

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120718\
 Data File : BF111190.D
 Acq On : 7 Dec 2018 16:43
 Operator : JU/SJ
 Sample : PB115343BS
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB115343BS

Manual Integrations
 APPROVED

Sohil
 12/11/2018 8:44:44 AM

Quant Time: Dec 10 13:25:36 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 07 16:40:01 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	401906	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	1613144	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	749384	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	1273030	20.00	ng	0.00
76) Chrysene-d12	13.96	240	799089	20.00	ng	0.01
87) Perylene-d12	15.40	264	592003	20.00	ng	0.02

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	2990589	116.11	ng	0.02
7) Phenol-d6	6.44	99	3824853	115.28	ng	0.00
23) Nitrobenzene-d5	7.37	82	1998706	73.35	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	803810	134.94	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	3306025	80.98	ng	0.00
79) Terphenyl-d14	12.91	244	2969567	76.11	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.65	88	478903	32.326	ng	98
3) Pyridine	3.38	79	1308322	39.819	ng	96
4) n-Nitrosodimethylamine	3.32	42	689184	42.602	ng	94
6) Aniline	6.47	93	1412844	31.874	ng	98
8) 2-Chlorophenol	6.59	128	1217387	41.008	ng	95
9) Benzaldehyde	6.35	77	505059	25.345	ng	99
10) Phenol	6.45	94	1493261	41.278	ng	94
11) bis(2-Chloroethyl)ether	6.55	93	1151870	38.958	ng	96
12) 1,3-Dichlorobenzene	6.75	146	1259909	39.906	ng	96
13) 1,4-Dichlorobenzene	6.82	146	1280463	40.301	ng	99
14) 1,2-Dichlorobenzene	6.98	146	1202989	40.703	ng	99
15) Benzyl Alcohol	6.95	79	1050136	39.947	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.09	45	2288384	39.788	ng	99
17) 2-Methylphenol	7.06	107	1003310	41.172	ng	99
18) Hexachloroethane	7.32	117	487565	40.907	ng	94
19) n-Nitroso-di-n-propylamine	7.22	70	859461	38.547	ng	98
20) 3+4-Methylphenols	7.21	107	1189127	40.009	ng	95
22) Acetophenone	7.22	105	1625695	41.703	ng	# 92
24) Nitrobenzene	7.39	77	1287828	43.933	ng	99
25) Isophorone	7.63	82	2311939	46.234	ng	100
26) 2-Nitrophenol	7.70	139	620796	50.121	ng	92
27) 2,4-Dimethylphenol	7.75	122	1163181	49.865	ng	100
28) bis(2-Chloroethoxy)methane	7.84	93	1470050	43.426	ng	99
29) 2,4-Dichlorophenol	7.95	162	1001018	43.590	ng	99
30) 1,2,4-Trichlorobenzene	8.03	180	998355	43.072	ng	98
31) Naphthalene	8.11	128	3401160	48.426	ng	98
32) Benzoic acid	7.86	122	708756	46.076	ng	96
33) 4-Chloroaniline	8.15	127	811470	23.902	ng	96
34) Hexachlorobutadiene	8.23	225	539001	42.790	ng	98
35) Caprolactam	8.52	113	341769m	40.534	ng	
36) 4-Chloro-3-methylphenol	8.64	107	1071599	42.602	ng	100
37) 2-Methylnaphthalene	8.80	142	2294741	47.366	ng	98
38) 1-Methylnaphthalene	8.90	142	2177572	46.751	ng	98
40) 1,2,4,5-Tetrachlorobenzene	8.97	216	823904	41.252	ng	99

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.96	237	1069005	101.507	nq	98
43) 2,4,6-Trichlorophenol	9.08	196	659689	45.224	nq	99
44) 2,4,5-Trichlorophenol	9.12	196	672244	45.462	nq	98
46) 1,1'-Biphenyl	9.27	154	2534077	41.308	nq	98
47) 2-Chloronaphthalene	9.29	162	2032568	42.638	nq	97
48) 2-Nitroaniline	9.38	65	703023	45.507	nq	97
49) Acenaphthylene	9.70	152	3191407	47.895	nq	99
50) Dimethylphthalate	9.57	163	2301243	44.124	nq	99
51) 2,6-Dinitrotoluene	9.62	165	535954	48.470	nq	91
52) Acenaphthene	9.88	154	2083527	47.331	nq	100
53) 3-Nitroaniline	9.79	138	436571	31.432	nq	99
54) 2,4-Dinitrophenol	9.90	184	407794	113.389	nq	# 65
55) Dibenzofuran	10.05	168	2753750	45.417	nq	97
56) 4-Nitrophenol	9.95	139	918719	87.776	nq	96
57) 2,4-Dinitrotoluene	10.03	165	700033	49.019	nq	99
58) Fluorene	10.39	166	2043406	47.792	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.17	232	557706	50.533	nq	95
60) Diethylphthalate	10.27	149	2284718	43.835	nq	99
61) 4-Chlorophenyl-phenylether	10.39	204	931255	44.196	nq	96
62) 4-Nitroaniline	10.40	138	576613	45.997	nq	98
63) Azobenzene	10.55	77	2324420	41.889	nq	96
65) 4,6-Dinitro-2-methylphenol	10.43	198	272943	51.897	nq	98
66) n-Nitrosodiphenylamine	10.50	169	1889230	42.383	nq	98
67) 4-Bromophenyl-phenylether	10.87	248	577196	42.832	nq	94
68) Hexachlorobenzene	10.95	284	597015	43.327	nq	97
69) Atrazine	11.03	200	599046	50.484	nq	96
70) Pentachlorophenol	11.13	266	703654	77.653	nq	99
71) Phenanthrene	11.35	178	2914872	47.602	nq	98
72) Anthracene	11.40	178	2996903	48.553	nq	98
73) Carbazole	11.55	167	2784557	43.355	nq	98
74) Di-n-butylphthalate	11.89	149	3290047	43.761	nq	99
75) Fluoranthene	12.54	202	2826239	47.167	nq	97
77) Benzidine	12.65	184	1298221	48.718	nq	99
78) Pyrene	12.76	202	2882049	46.294	nq	97
80) Butylbenzylphthalate	13.39	149	1386767	46.111	nq	97
81) Benzo(a)anthracene	13.95	228	2121831	45.320	nq	100
82) 3,3'-Dichlorobenzidine	13.91	252	498115	28.192	nq	100
83) Chrysene	13.99	228	2110179	45.401	nq	98
84) Bis(2-ethylhexyl)phthalate	13.96	149	1585216	43.638	nq	# 97
85) Di-n-octyl phthalate	14.57	149	2617360	45.833	nq	97
86) Indeno(1,2,3-cd)pyrene	16.83	276	1623397	43.502	nq	# 88
88) Benzo(b)fluoranthene	15.00	252	1754196	52.293	nq	99
89) Benzo(k)fluoranthene	15.02	252	1587678	48.958	nq	99
90) Benzo(a)pyrene	15.35	252	1533394	49.835	nq	98
91) Dibenzo(a,h)anthracene	16.84	278	1340430	51.912	nq	99
92) Benzo(g,h,i)perylene	17.26	276	1388651	53.517	nq	97

(#) = qualifier out of range (m) = manual integration (+) = signals summed

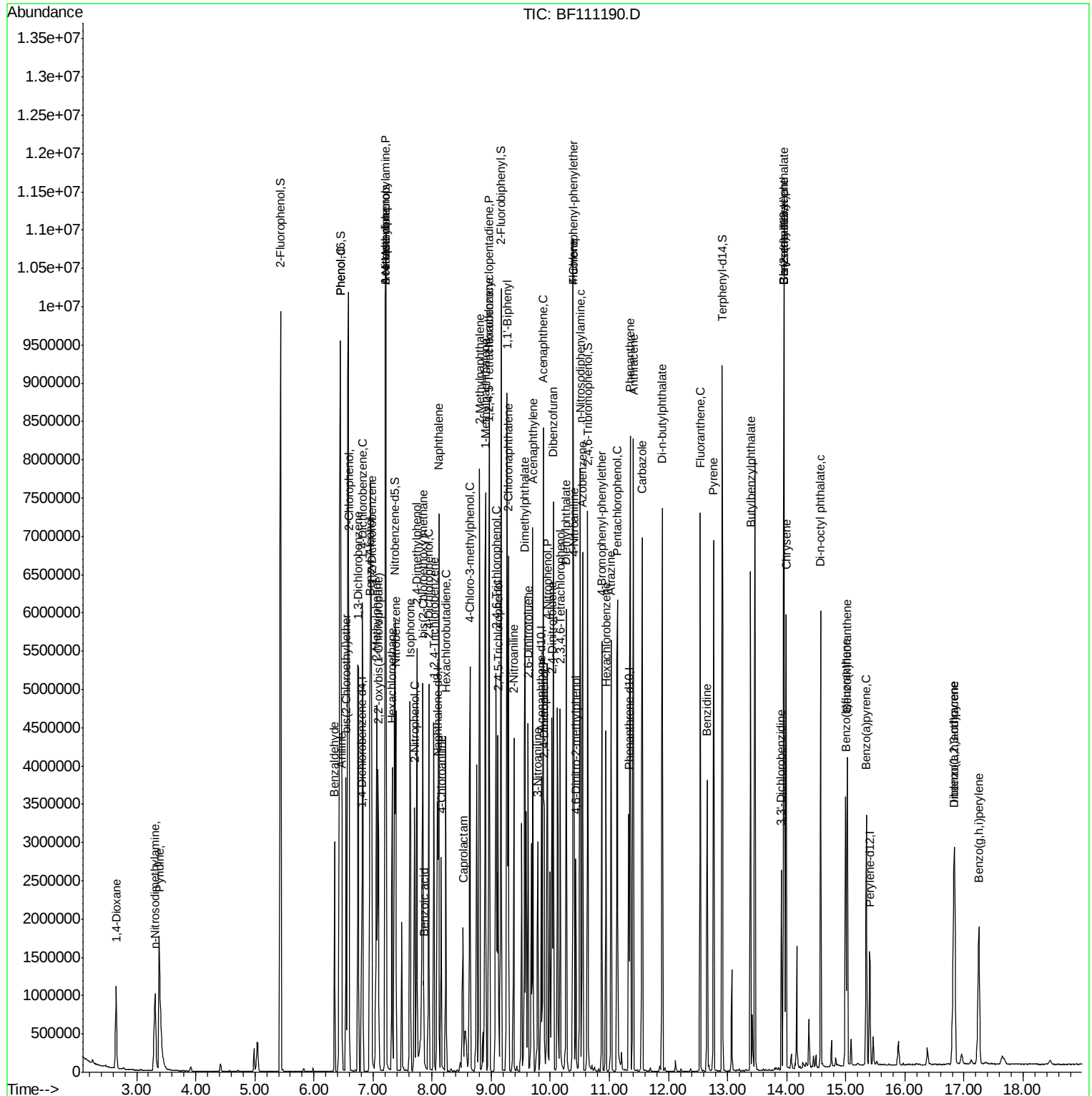
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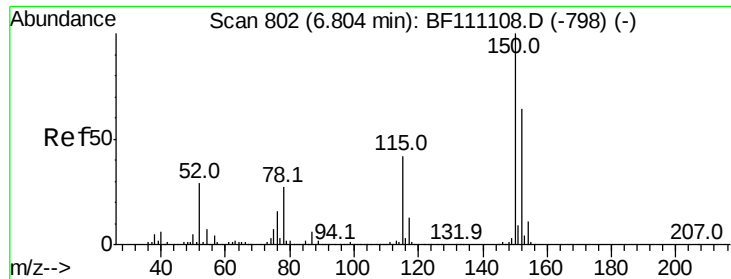
Instrument :
BNA_F
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.80 min Scan# 802

Delta R.T. 0.00 min

Lab File: BF111190.D

Acq: 7 Dec 2018 16:43

Instrument :

BNA_F

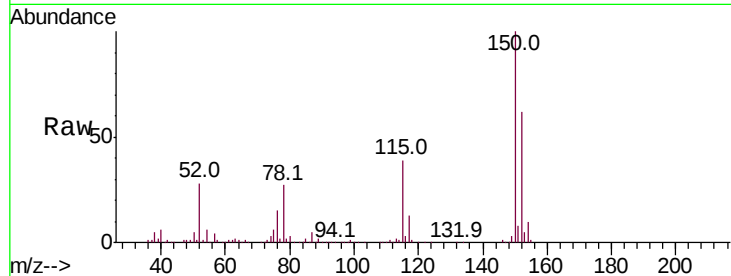
ClientSampleId :

PB115343BS

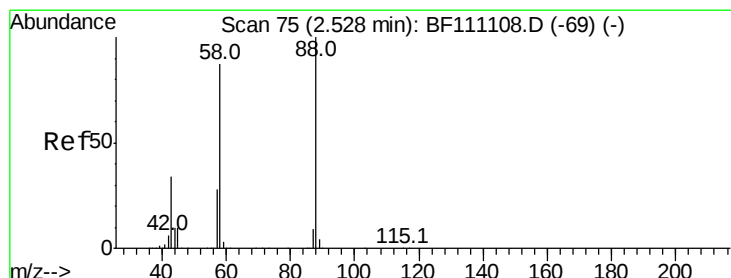
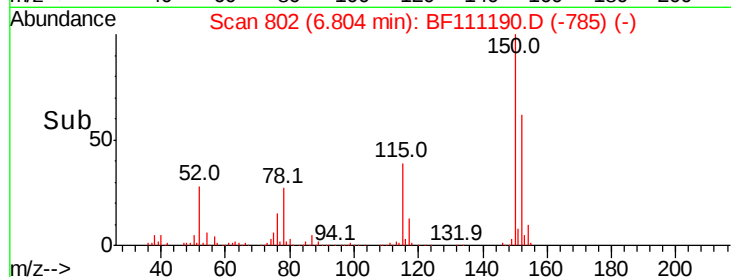
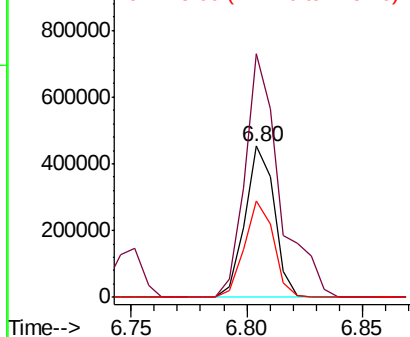
Tot Ion:	152	Resp:	401906
Ion Ratio	Lower	Upper	
152	100		
150	161.1	124.6	187.0
115	63.5	52.2	78.2

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Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 32.326 ng

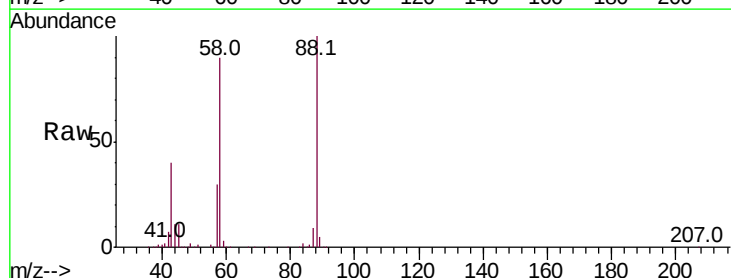
RT: 2.65 min Scan# 96

Delta R.T. 0.12 min

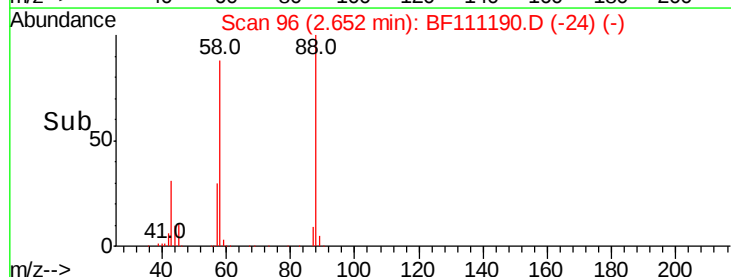
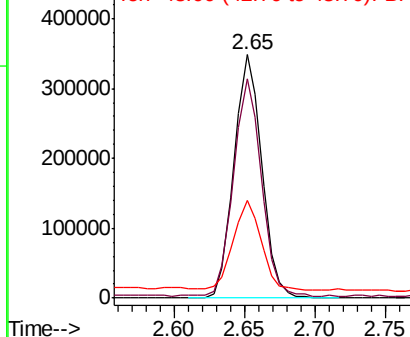
Lab File: BF111190.D

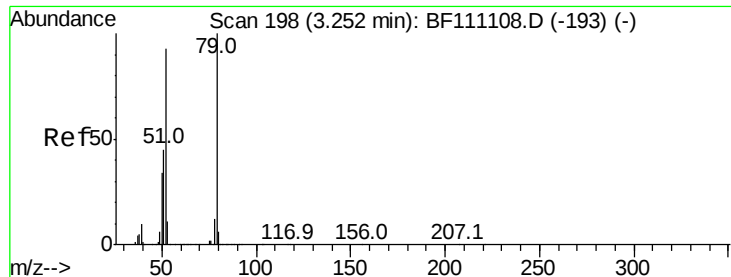
Acq: 7 Dec 2018 16:43

Tgt Ion:	88	Resp:	478903
Ion Ratio	Lower	Upper	
88	100		
58	89.5	70.8	106.2
43	37.6	28.3	42.5



Abundance Ion 88.00 (87.70 to 88.70): BF1
Ion 58.00 (57.70 to 58.70): BF1
Ion 43.00 (42.70 to 43.70): BF1





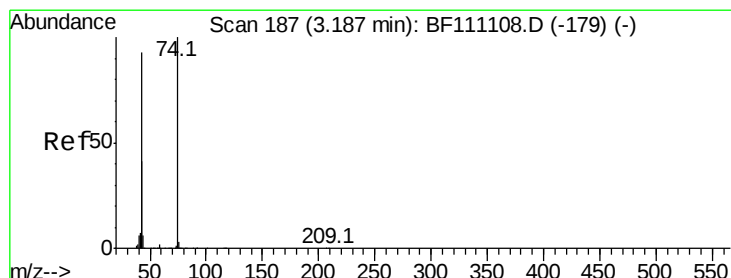
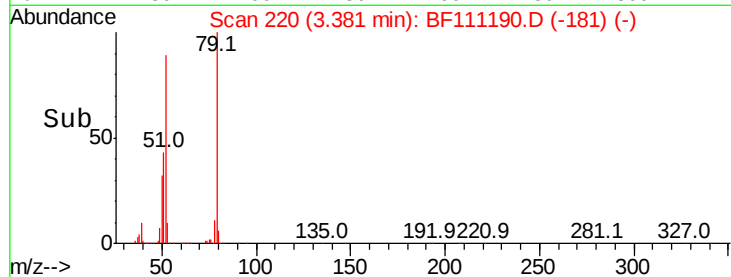
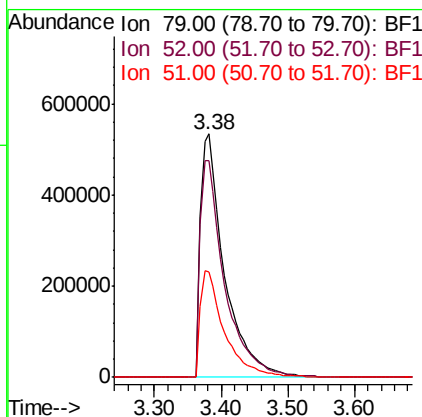
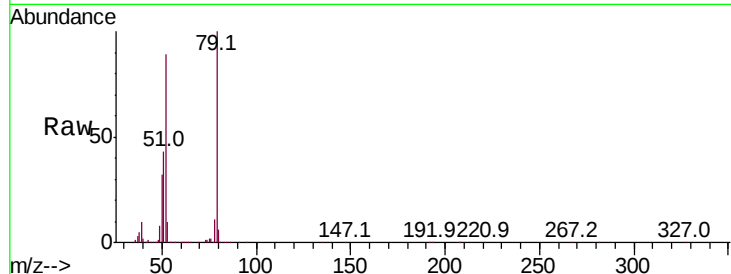
#3
 Pvridine
 Concen: 39.819 ng
 RT: 3.38 min Scan# 220
 Delta R.T. 0.13 min
 Lab File: BF111190.D
 Acq: 7 Dec 2018 16:43

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 PB115343BS

Tot Ion: 79 Resp: 1308322
 Ion Ratio Lower Upper
 79 100
 52 89.0 74.7 112.1
 51 43.2 35.9 53.9

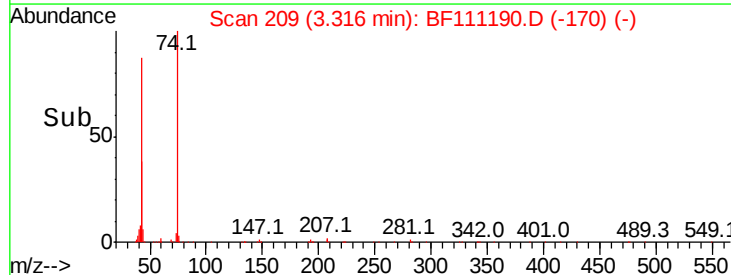
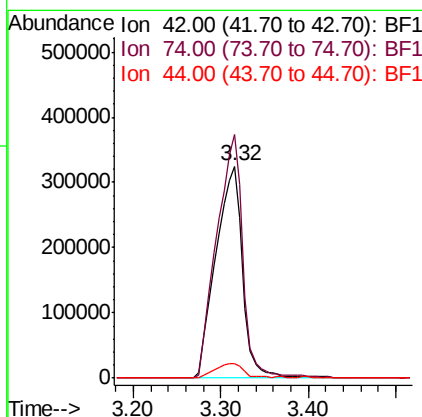
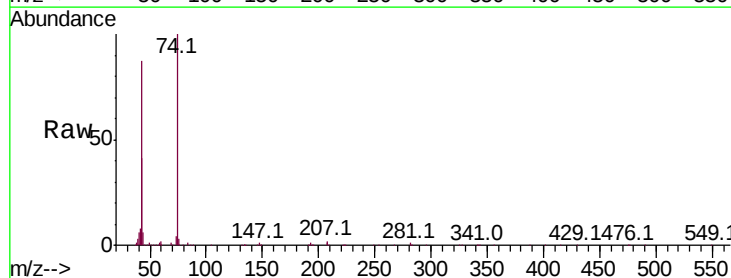
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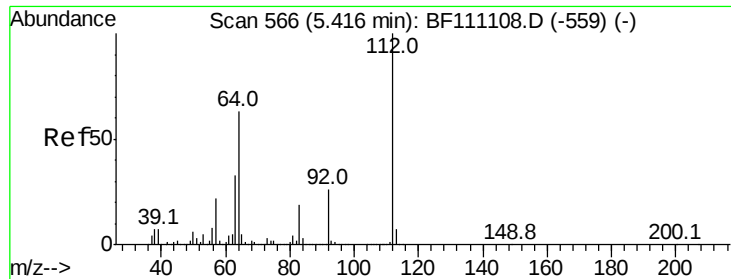
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#4
 n-Nitrosodimethylamine
 Concen: 42.602 ng
 RT: 3.32 min Scan# 209
 Delta R.T. 0.13 min
 Lab File: BF111190.D
 Acq: 7 Dec 2018 16:43

Tgt Ion: 42 Resp: 689184
 Ion Ratio Lower Upper
 42 100
 74 114.8 86.2 129.2
 44 7.0 5.7 8.5





#5

2-Fluorophenol

Concen: 116.114 ng

RT: 5.43 min Scan# 569

Delta R.T. 0.02 min

Lab File: BF111190.D

Acq: 7 Dec 2018 16:43

Instrument :

BNA_F

ClientSampleId :

PB115343BS

Tot Ion:112 Resp: 2990589

Ion Ratio Lower Upper

112 100

64 66.5 50.2 75.4

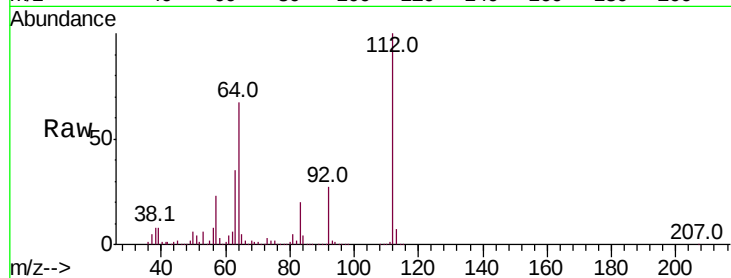
63 35.5 26.6 39.8

Manual Integrations

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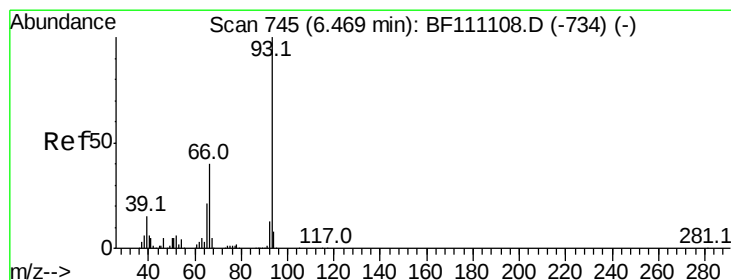
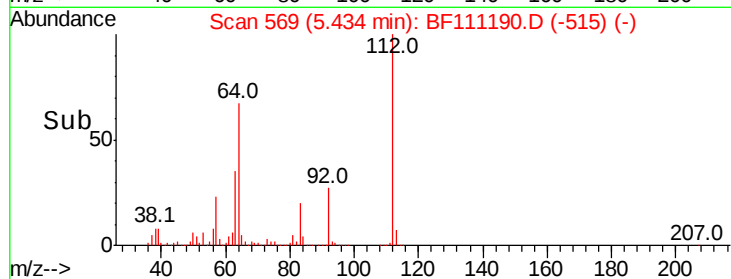
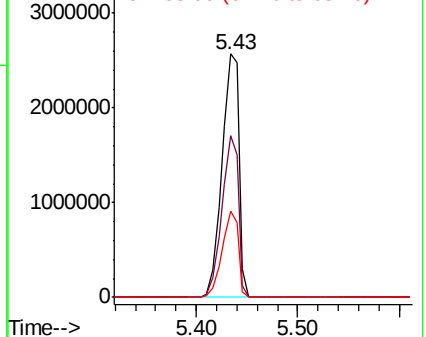
12/11/2018 8:44:44 AM



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 31.874 ng

RT: 6.47 min Scan# 745

Delta R.T. 0.00 min

Lab File: BF111190.D

Acq: 7 Dec 2018 16:43

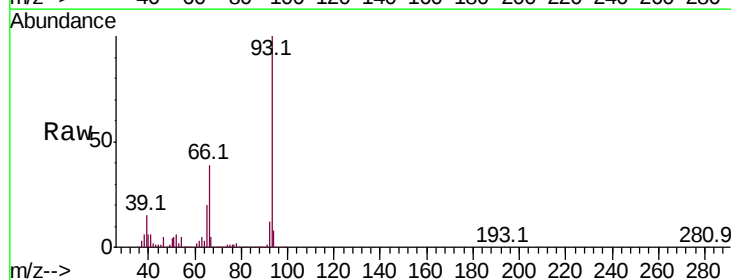
Tgt Ion: 93 Resp: 1412844

Ion Ratio Lower Upper

93 100

66 38.7 31.8 47.8

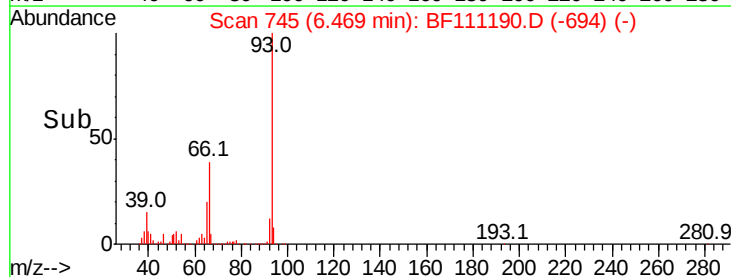
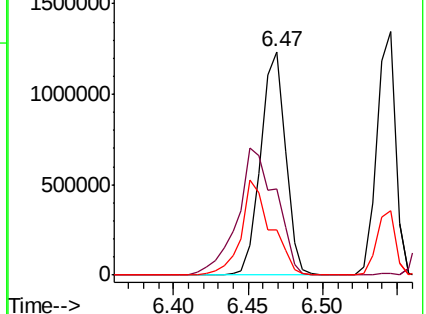
65 20.3 16.6 24.8

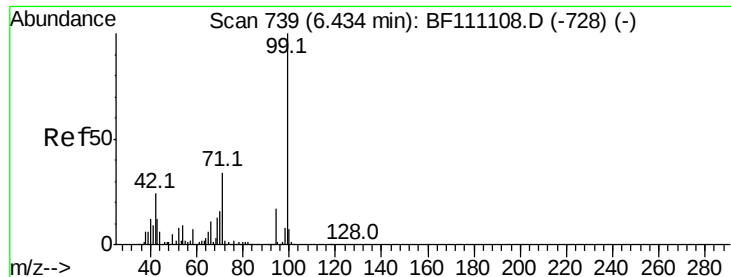


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 115.284 ng

RT: 6.44 min Scan# 740

Delta R.T. 0.01 min

Lab File: BF111190.D

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Instrument :

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PB115343BS

Tot Ion: 99 Resp: 3824853

Ion Ratio Lower Upper

99 100

42 23.9 19.3 28.9

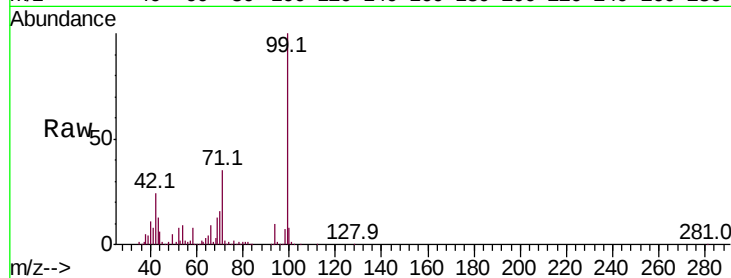
71 35.2 27.4 41.2

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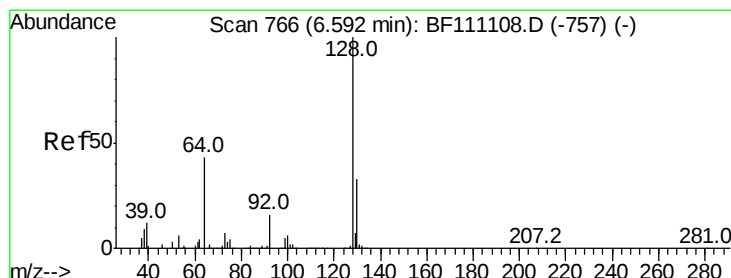
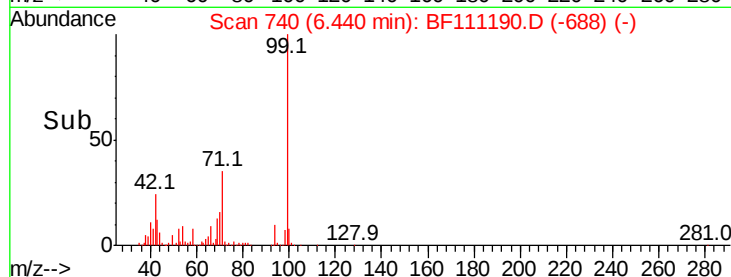
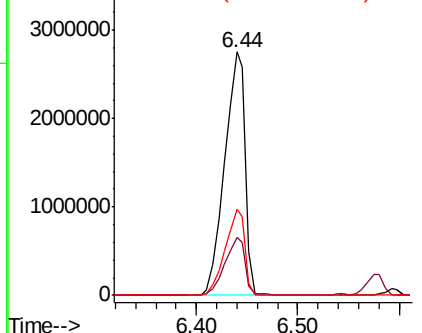
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Abundance Ion 99.00 (98.70 to 99.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 41.008 ng

RT: 6.59 min Scan# 766

Delta R.T. 0.00 min

Lab File: BF111190.D

Acq: 7 Dec 2018 16:43

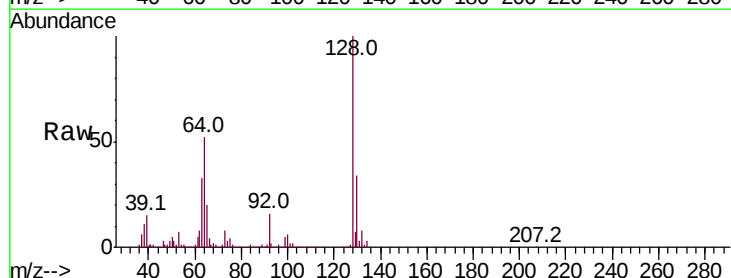
Tgt Ion:128 Resp: 1217387

Ion Ratio Lower Upper

128 100

130 33.8 12.8 52.8

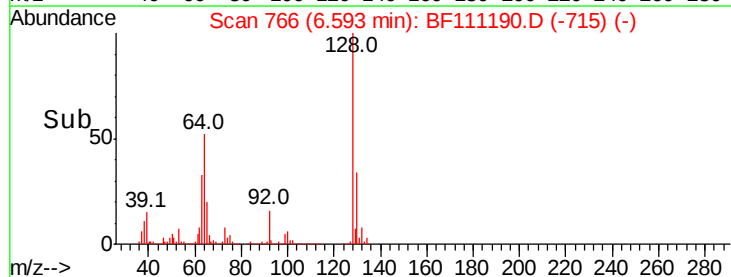
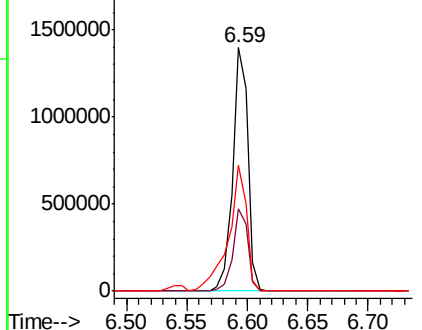
64 51.7 26.6 66.6

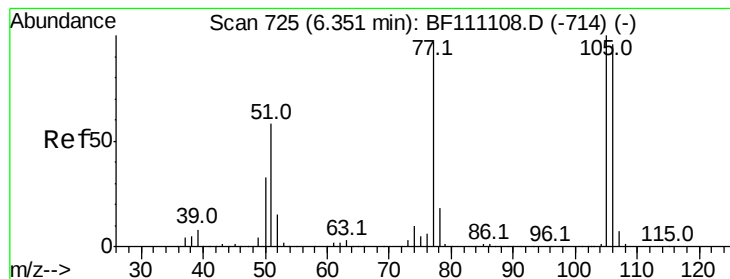


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 25.345 ng

RT: 6.35 min Scan# 725

Delta R.T. 0.00 min

Lab File: BF111190.D

Acq: 7 Dec 2018 16:43

Instrument :

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ClientSampleId :

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Tot Ion: 77 Resp: 505059

Ion Ratio Lower Upper

77 100

105 103.1 83.1 123.1

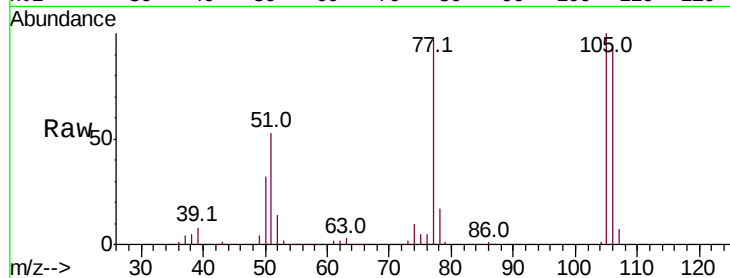
106 96.0 79.0 119.0

Manual Integrations

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Sohil

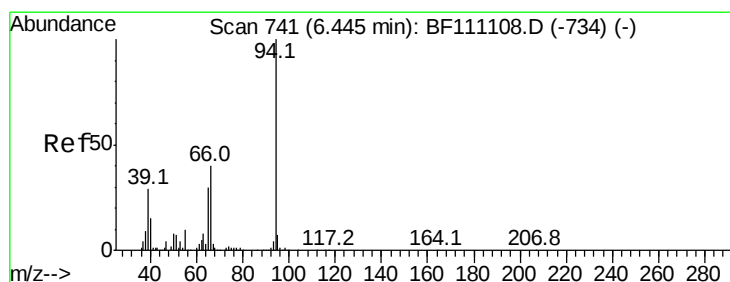
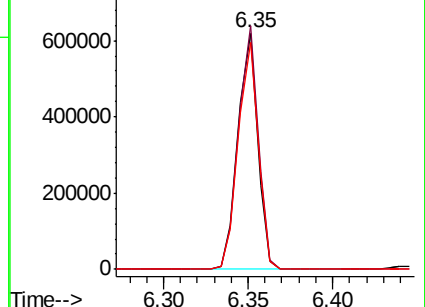
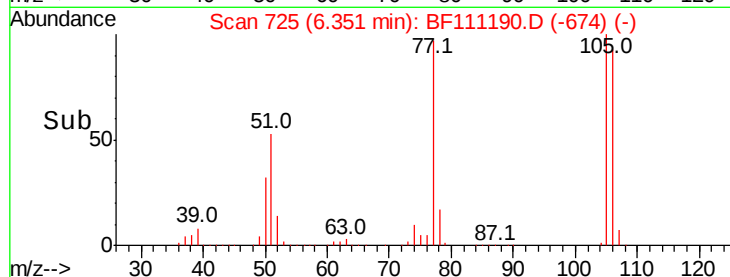
12/11/2018 8:44:44 AM



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1



#10

Phenol

Concen: 41.278 ng

RT: 6.45 min Scan# 742

Delta R.T. 0.01 min

Lab File: BF111190.D

Acq: 7 Dec 2018 16:43

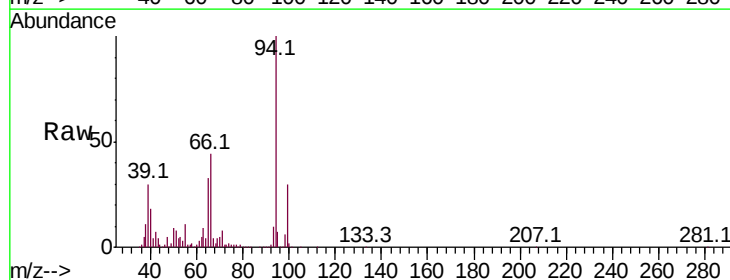
Tgt Ion: 94 Resp: 1493261

Ion Ratio Lower Upper

94 100

65 32.8 10.5 50.5

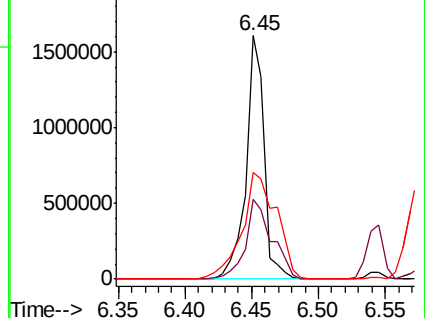
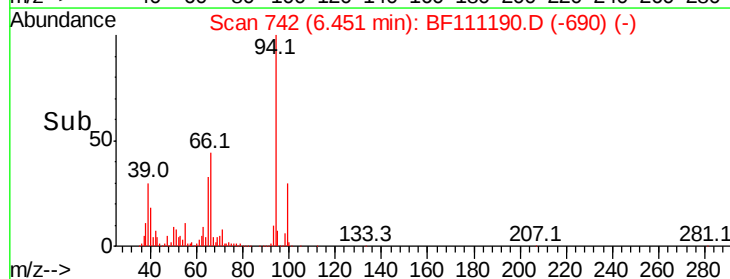
66 43.9 19.8 59.8

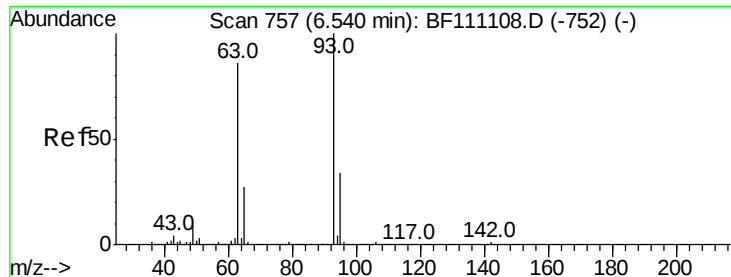


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





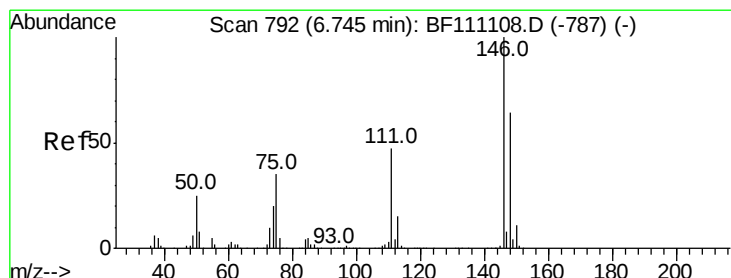
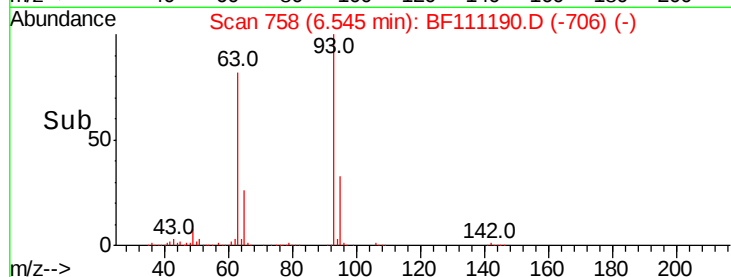
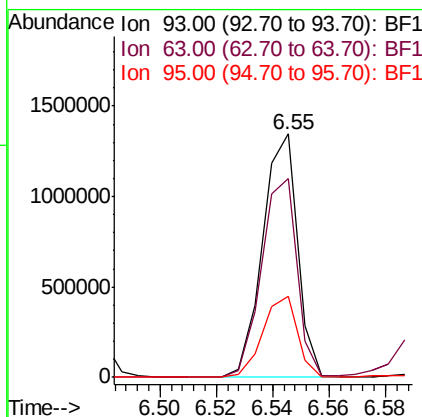
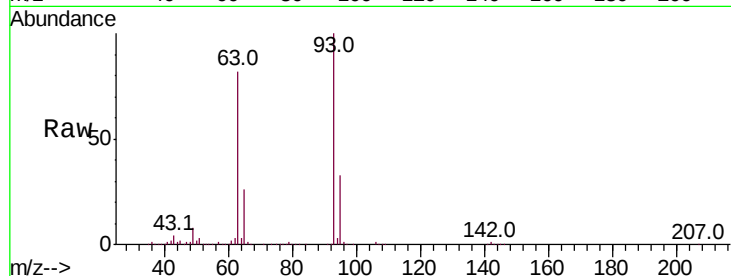
#11
bis(2-Chloroethyl)ether
Concen: 38.958 ng
RT: 6.55 min Scan# 758
Delta R.T. 0.01 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Instrument :
BNA_F
ClientSampleId :
PB115343BS

Tot Ion: 93 Resp: 1151870
Ion Ratio Lower Upper
93 100
63 81.5 66.0 106.0
95 33.2 14.3 54.3

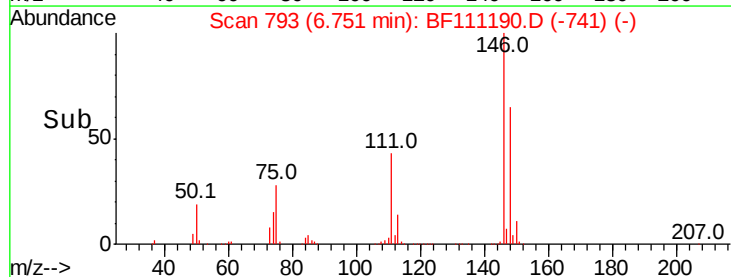
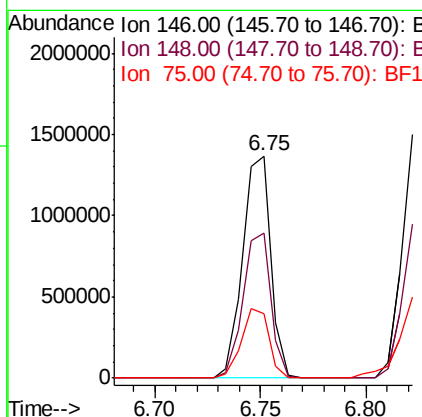
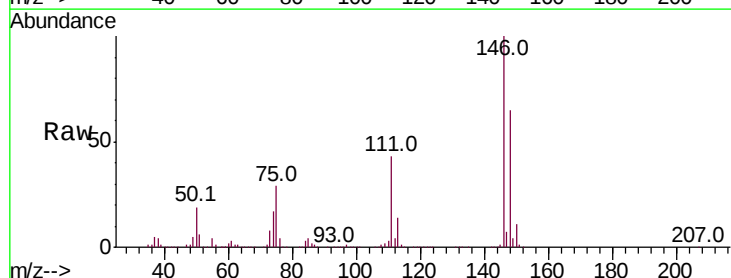
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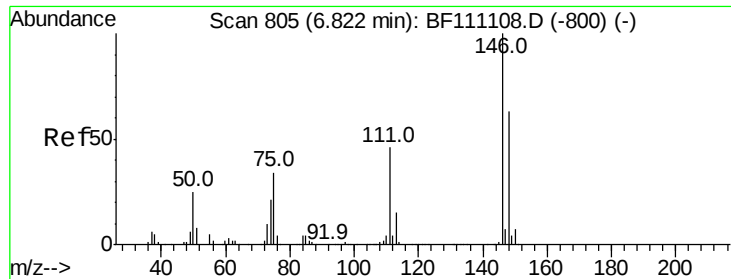
Sohil
12/11/2018 8:44:44 AM



#12
1,3-Dichlorobenzene
Concen: 39.906 ng
RT: 6.75 min Scan# 793
Delta R.T. 0.01 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Tgt Ion: 146 Resp: 1259909
Ion Ratio Lower Upper
146 100
148 65.3 51.3 76.9
75 29.0 27.7 41.5





#13
 1,4-Dichlorobenzene
 Concen: 40.301 ng
 RT: 6.82 min Scan# 805
 Delta R.T. 0.00 min
 Lab File: BF111190.D
 Acq: 7 Dec 2018 16:43

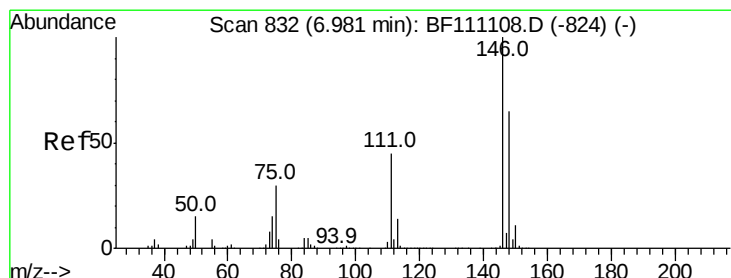
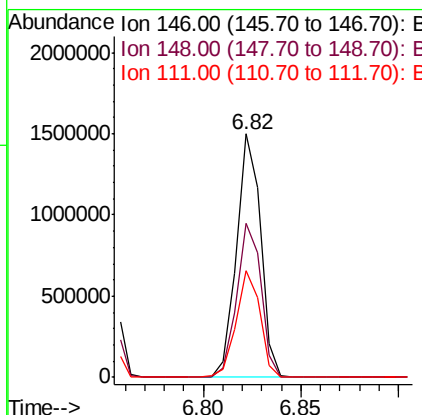
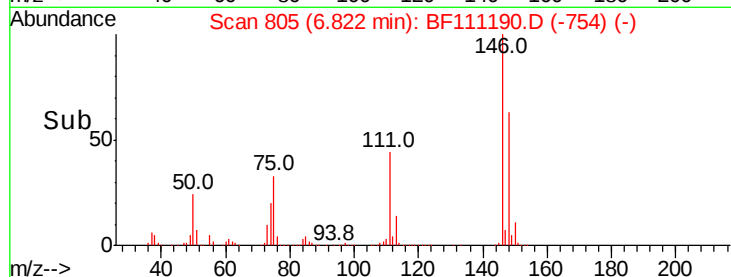
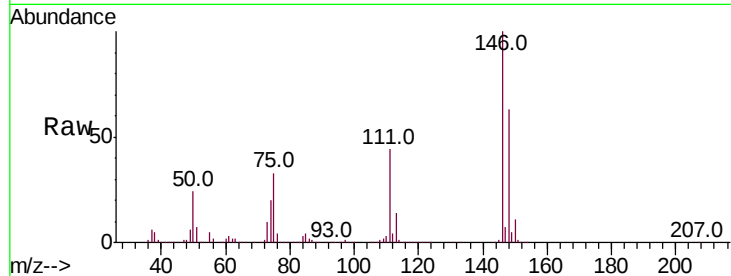
Instrument :
 BNA_F
 ClientSampleId :
 PB115343BS

Tot Ion:146 Resp: 1280463

Ion	Ratio	Lower	Upper
146	100		
148	63.0	50.3	75.5
111	43.7	36.6	55.0

Manual Integrations
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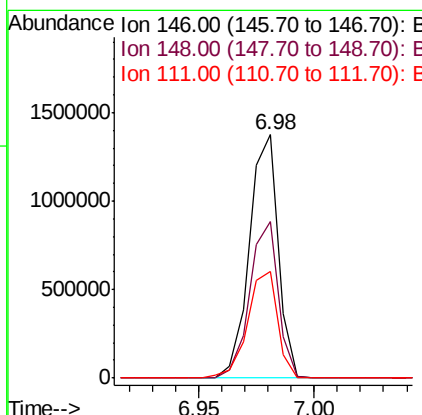
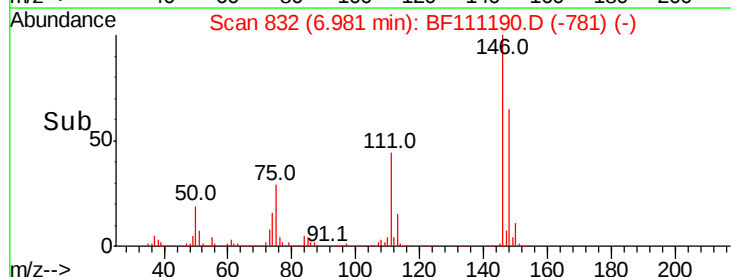
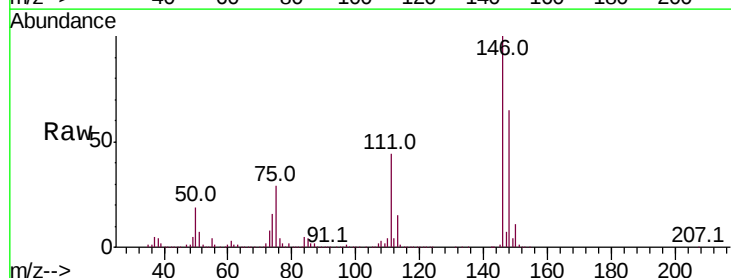
Sohil
 12/11/2018 8:44:44 AM

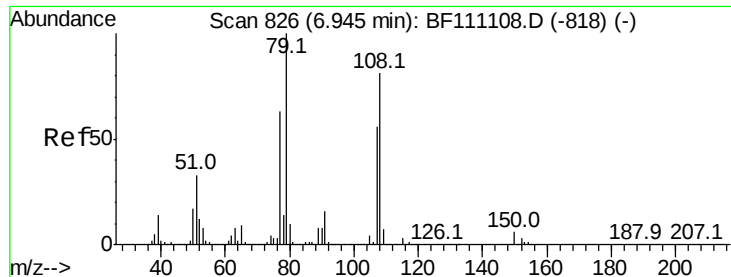


#14
 1,2-Dichlorobenzene
 Concen: 40.703 ng
 RT: 6.98 min Scan# 832
 Delta R.T. 0.00 min
 Lab File: BF111190.D
 Acq: 7 Dec 2018 16:43

Tgt Ion:146 Resp: 1202989

Ion	Ratio	Lower	Upper
146	100		
148	64.5	51.8	77.6
111	44.0	35.7	53.5





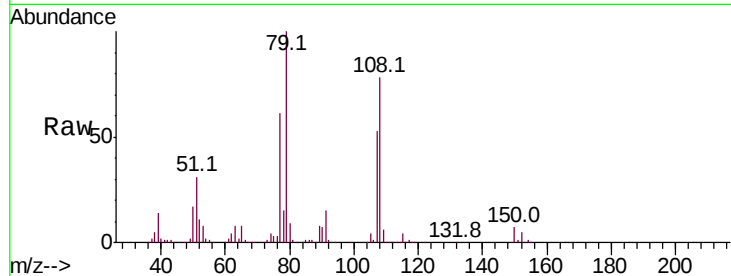
#15
Benzyl Alcohol
Concen: 39.947 ng
RT: 6.95 min Scan# 826
Delta R.T. 0.00 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Instrument :
BNA_F
ClientSampleId :
PB115343BS

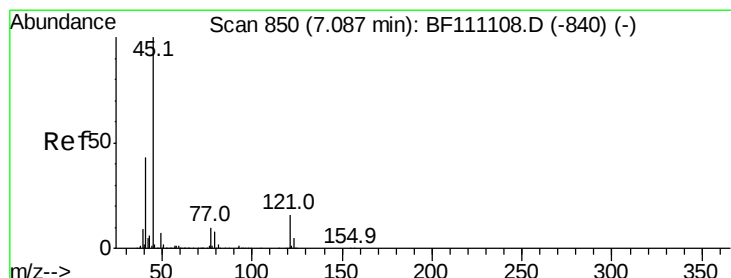
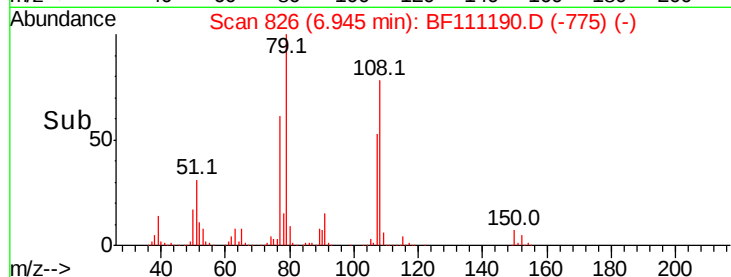
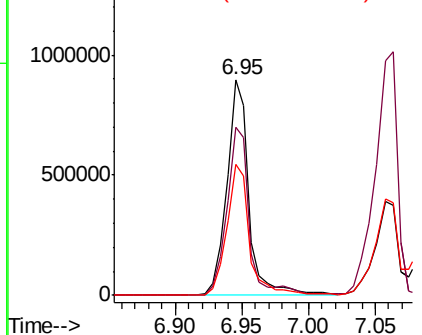
Tot Ion: 79 Resp: 1050136
Ion Ratio Lower Upper
79 100
108 78.0 64.5 96.7
77 60.7 50.5 75.7

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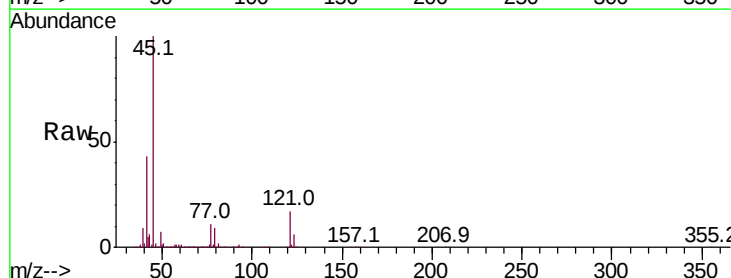


Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 108.00 (107.70 to 108.70): BF1
Ion 77.00 (76.70 to 77.70): BF1

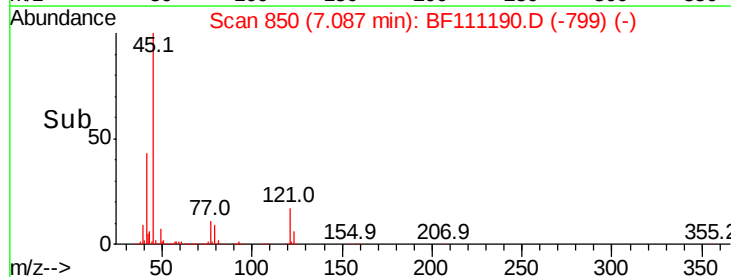
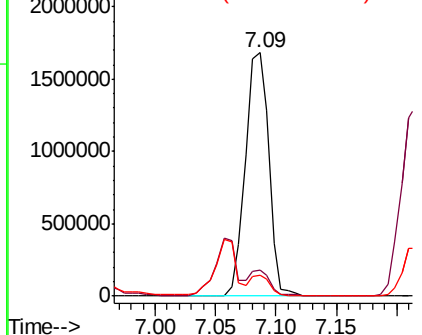


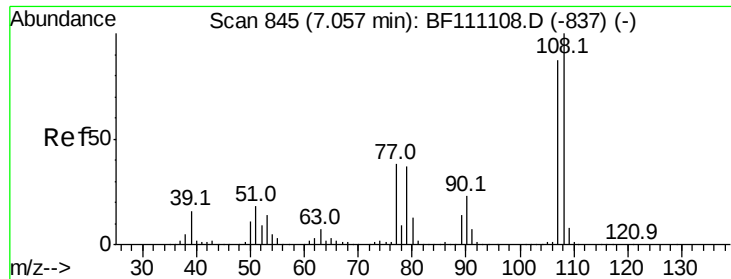
#16
2,2'-oxybis(1-chloropropane)
Concen: 39.788 ng
RT: 7.09 min Scan# 850
Delta R.T. 0.00 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Tgt Ion: 45 Resp: 2288384
Ion Ratio Lower Upper
45 100
77 10.8 0.0 30.6
79 8.7 0.0 28.4



Abundance Ion 45.00 (44.70 to 45.70): BF1
Ion 77.00 (76.70 to 77.70): BF1
Ion 79.00 (78.70 to 79.70): BF1





#17

2-Methylphenol

Concen: 41.172 ng

RT: 7.06 min Scan# 846

Delta R.T. 0.01 min

Lab File: BF111190.D

Acq: 7 Dec 2018 16:43

Instrument :

BNA_F

ClientSampleId :

PB115343BS

Tot Ion:107 Resp: 1003310

Ion Ratio Lower Upper

107 100

108 115.9 91.8 137.8

77 44.0 34.7 52.1

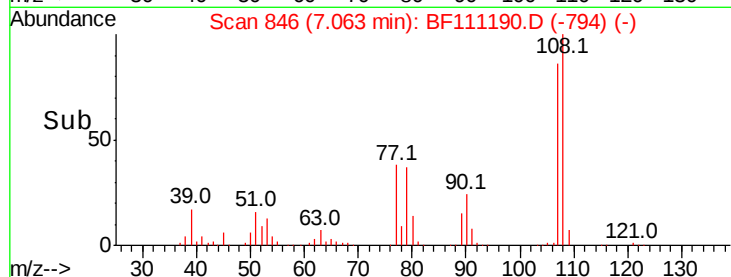
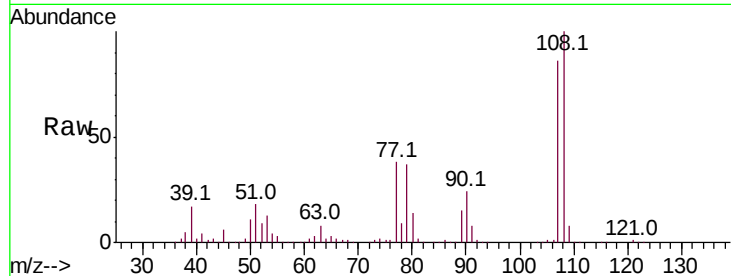
79 43.1 34.2 51.2

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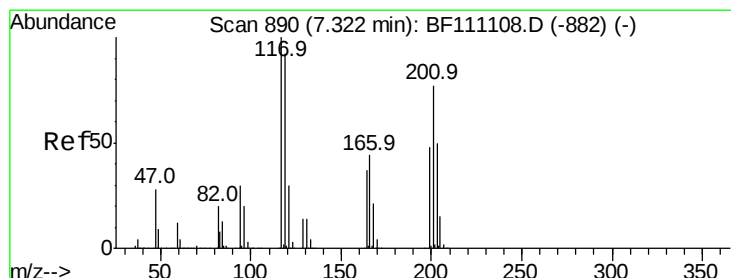
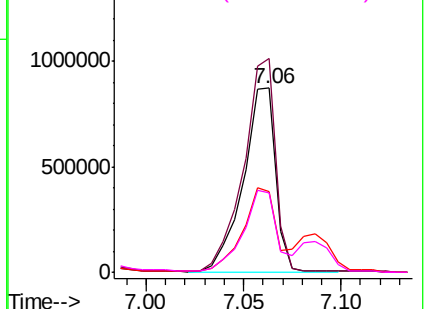


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 40.907 ng

RT: 7.32 min Scan# 890

Delta R.T. 0.00 min

Lab File: BF111190.D

Acq: 7 Dec 2018 16:43

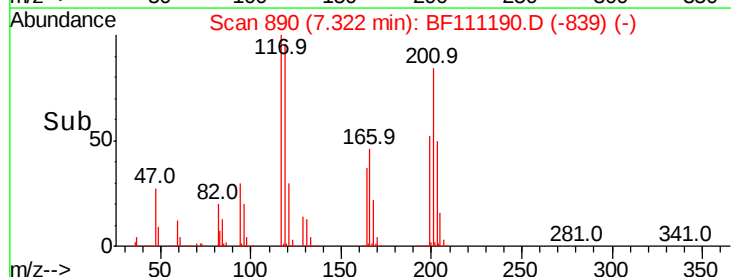
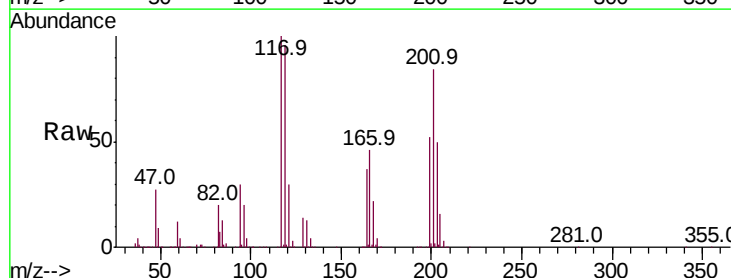
Tgt Ion:117 Resp: 487565

Ion Ratio Lower Upper

117 100

119 96.1 73.8 110.6

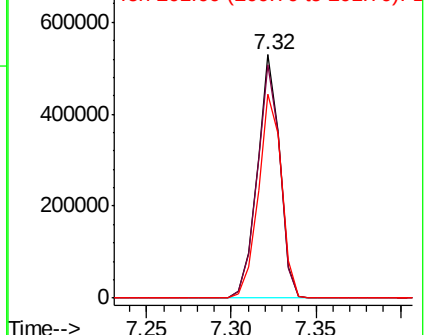
201 84.0 61.2 91.8

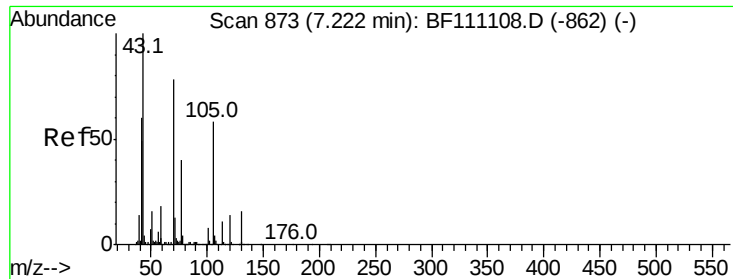


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





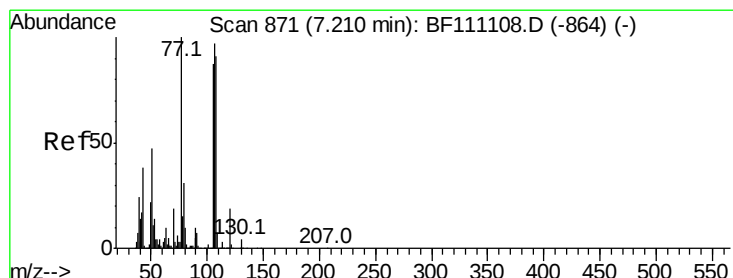
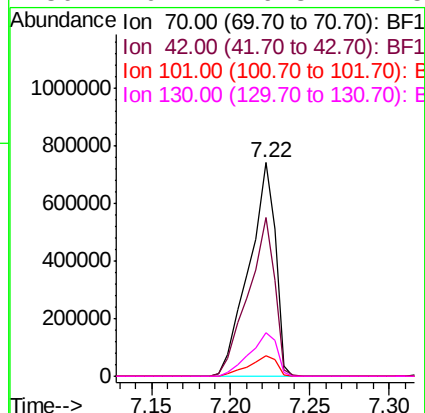
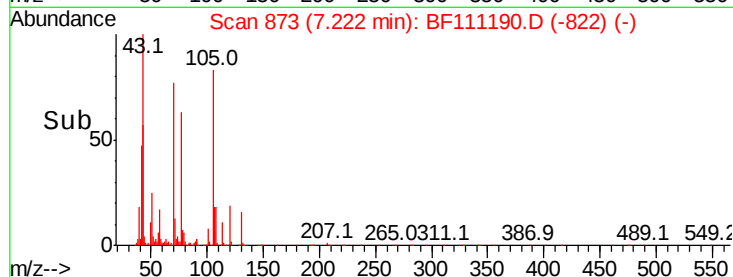
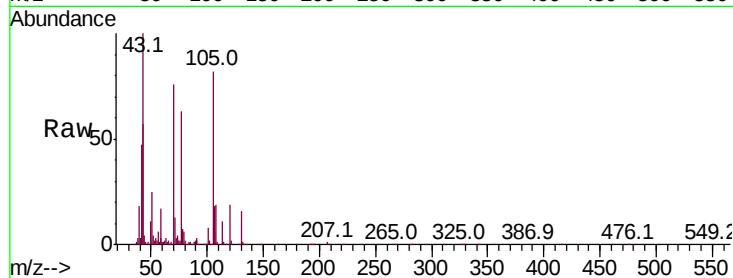
#19
n-Nitroso-di-n-propylamine
Concen: 38.547 ng
RT: 7.22 min Scan# 873
Delta R.T. 0.00 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Instrument :
BNA_F
ClientSampleId :
PB115343BS

Tot Ion	Ratio	Lower	Upper
70	100		
42	74.5	61.3	91.9
101	9.9	7.7	11.5
130	20.7	16.3	24.5

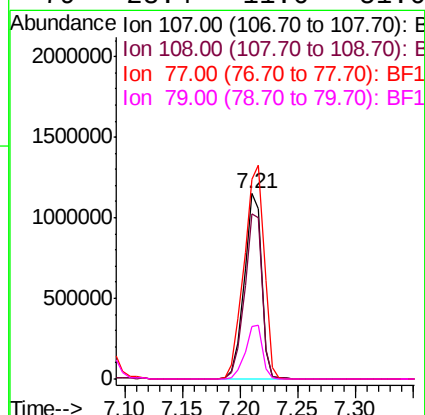
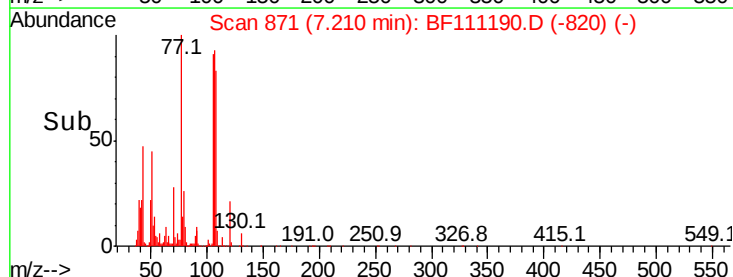
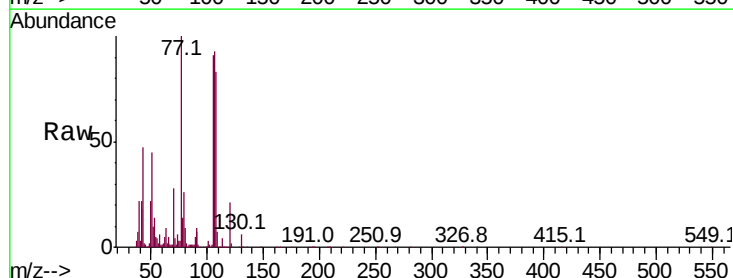
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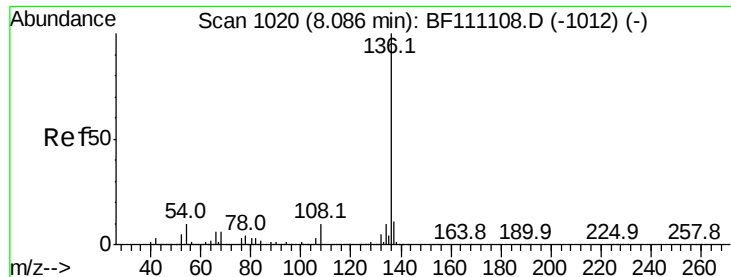
Sohil
12/11/2018 8:44:44 AM



#20
3+4-Methylphenols
Concen: 40.009 ng
RT: 7.21 min Scan# 871
Delta R.T. 0.00 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Tgt Ion	Ratio	Lower	Upper
107	100		
108	89.4	74.0	114.0
77	107.6	83.2	123.2
79	28.4	11.6	51.6





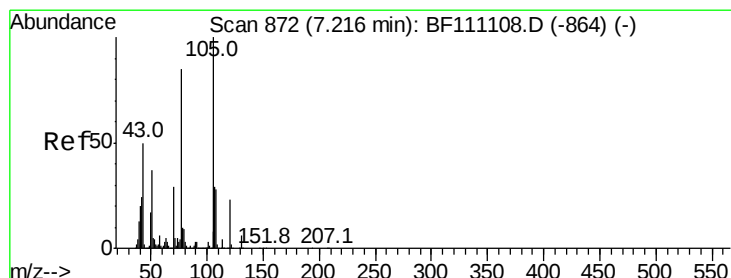
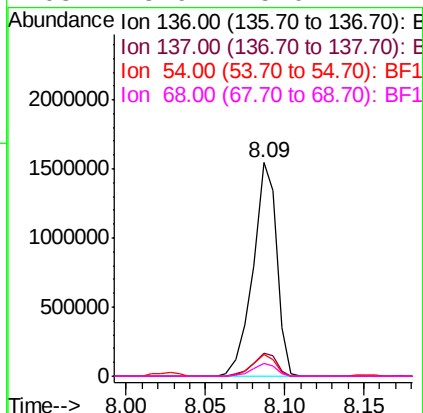
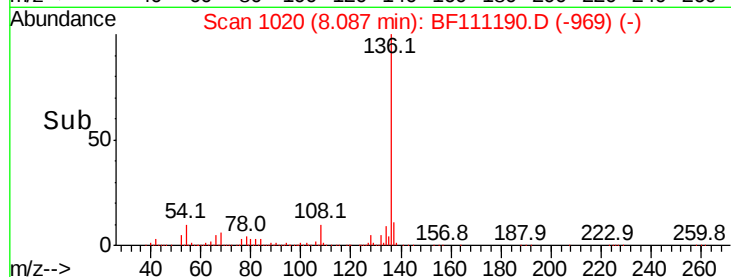
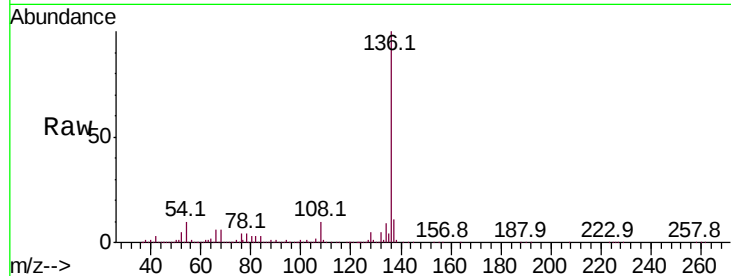
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. 0.00 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Instrument :
BNA_F
ClientSampleId :
PB115343BS

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.0	9.0	13.6
54	10.2	8.4	12.6
68	5.9	5.0	7.4

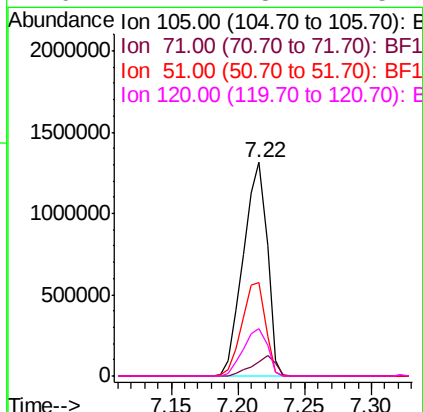
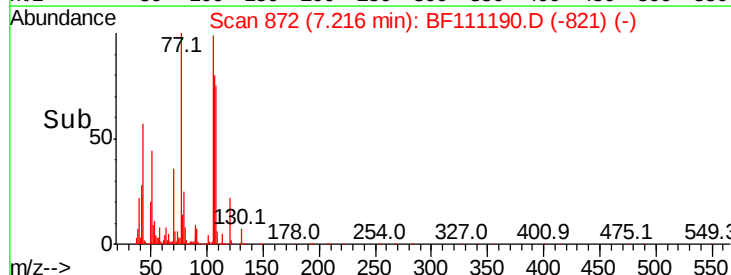
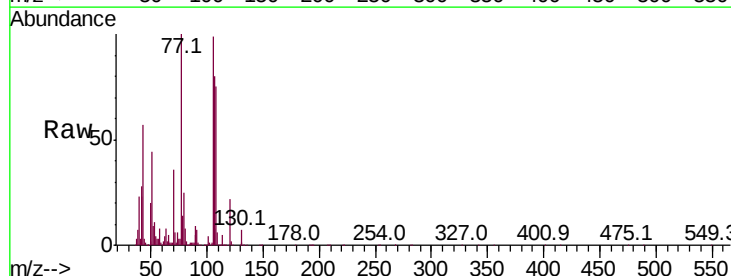
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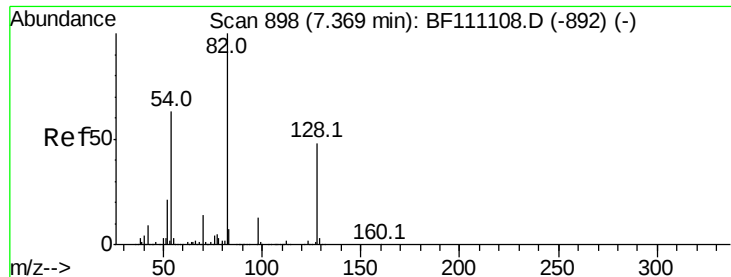
Sohil
12/11/2018 8:44:44 AM



#22
Acetophenone
Concen: 41.703 ng
RT: 7.22 min Scan# 872
Delta R.T. 0.00 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Tgt Ion	Ratio	Lower	Upper
105	100		
71	6.4	4.0	6.0#
51	43.9	29.8	44.8
120	22.1	18.7	28.1





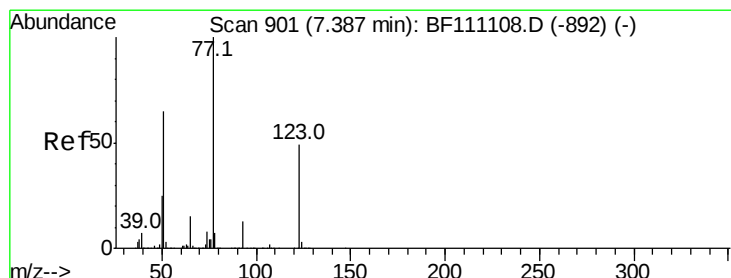
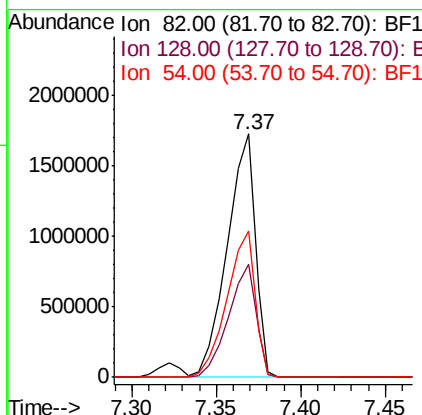
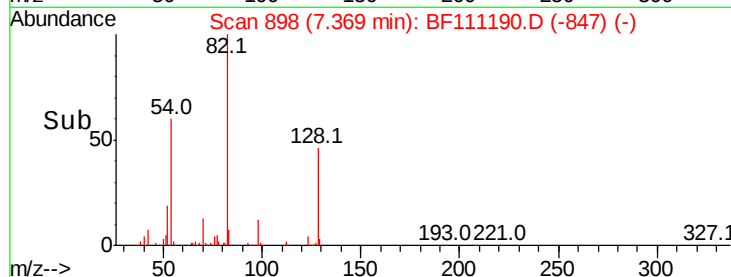
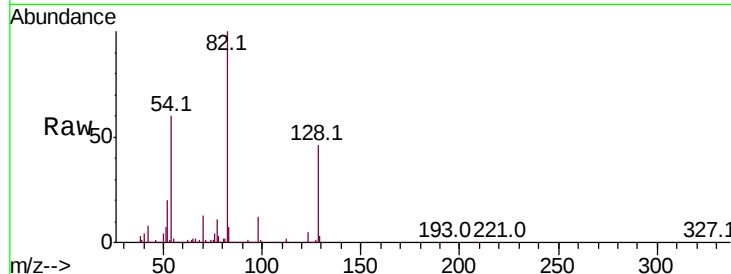
#23
 Nitrobenzene-d5
 Concen: 73.354 ng
 RT: 7.37 min Scan# 898
 Delta R.T. 0.00 min
 Lab File: BF111190.D
 Acq: 7 Dec 2018 16:43

Instrument :
 BNA_F
 ClientSampleId :
 PB115343BS

Tot Ion: 82 Resp: 1998706
 Ion Ratio Lower Upper
 82 100
 128 46.3 38.1 57.1
 54 60.0 50.3 75.5

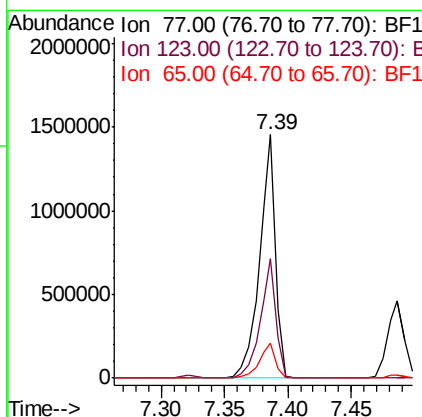
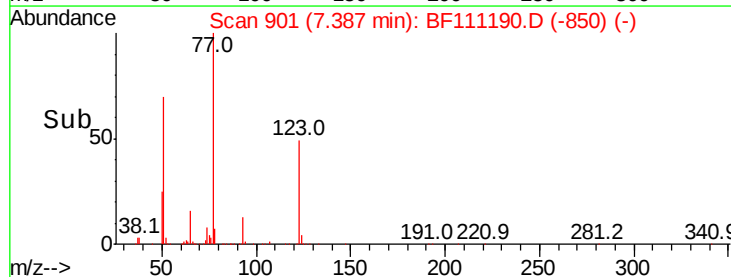
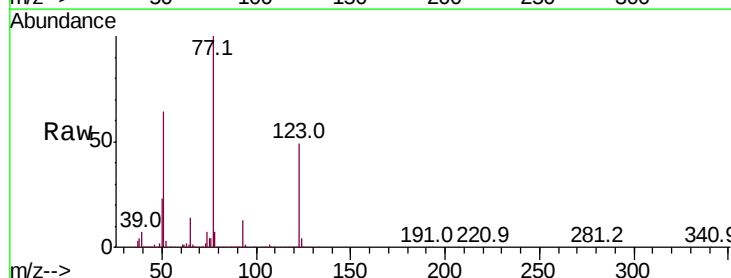
Manual Integrations
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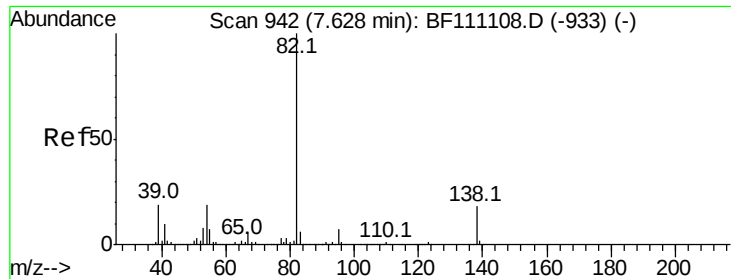
Sohil
 12/11/2018 8:44:44 AM



#24
 Nitrobenzene
 Concen: 43.933 ng
 RT: 7.39 min Scan# 901
 Delta R.T. 0.00 min
 Lab File: BF111190.D
 Acq: 7 Dec 2018 16:43

Tgt Ion: 77 Resp: 1287828
 Ion Ratio Lower Upper
 77 100
 123 48.9 39.5 59.3
 65 14.5 11.8 17.6





#25

Isophorone

Concen: 46.234 ng

RT: 7.63 min Scan# 942

Delta R.T. 0.00 min

Lab File: BF111190.D

Acq: 7 Dec 2018 16:43

Instrument :

BNA_F

ClientSampleId :

PB115343BS

Tot Ion: 82 Resp: 2311939

Ion Ratio Lower Upper

82 100

95 7.1 5.6 8.4

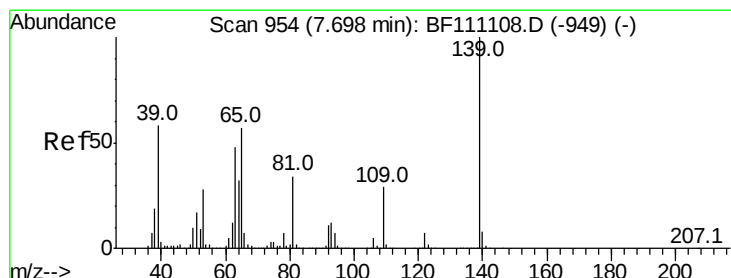
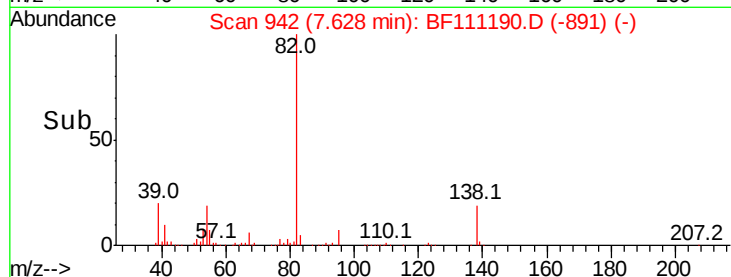
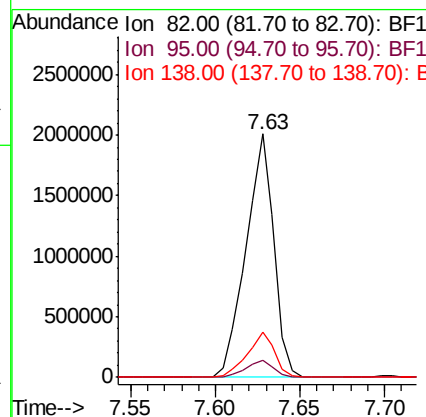
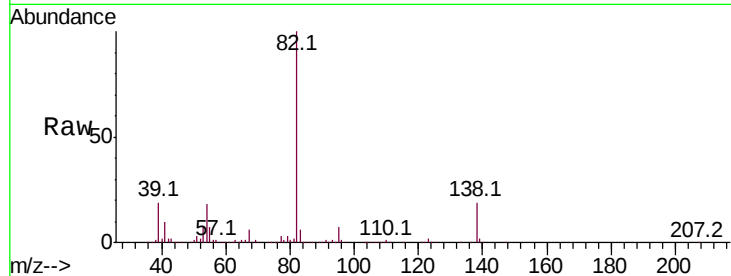
138 18.5 14.6 22.0

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#26

2-Nitrophenol

Concen: 50.121 ng

RT: 7.70 min Scan# 955

Delta R.T. 0.01 min

Lab File: BF111190.D

Acq: 7 Dec 2018 16:43

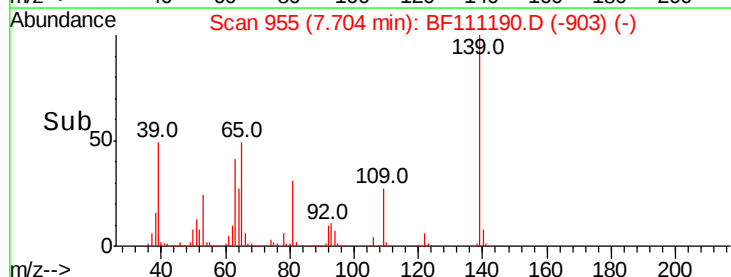
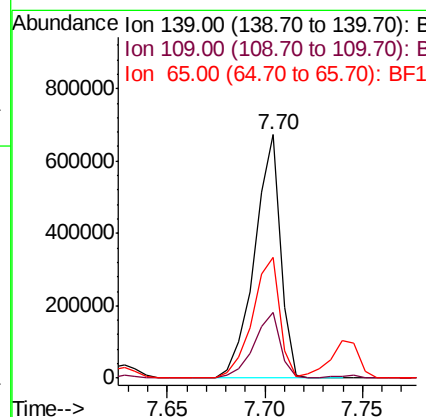
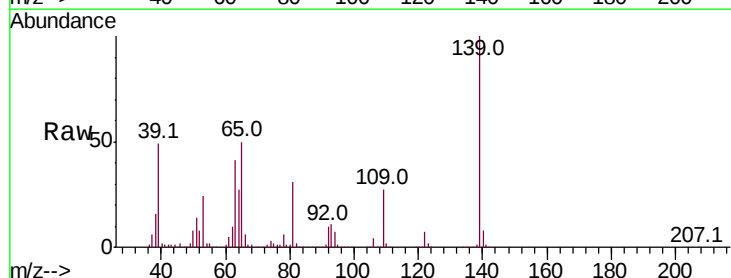
Tgt Ion: 139 Resp: 620796

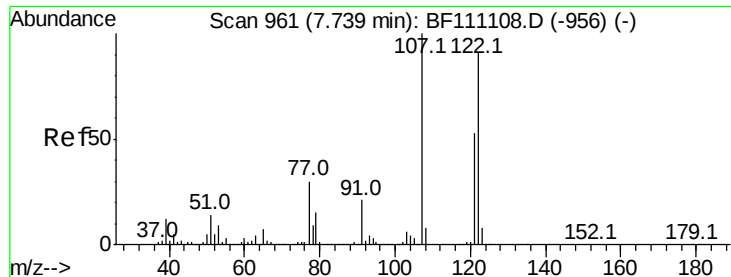
Ion Ratio Lower Upper

139 100

109 26.9 23.1 34.7

65 49.7 45.9 68.9





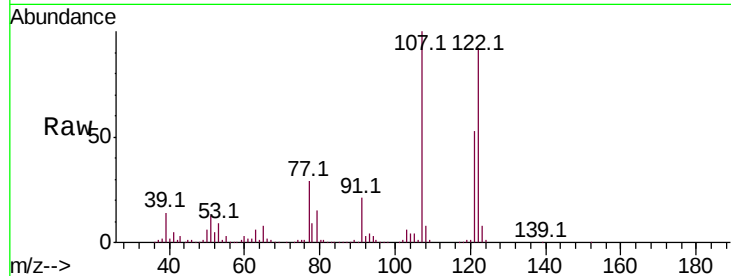
#27
2,4-Dimethylphenol
Concen: 49.865 ng
RT: 7.75 min Scan# 962
Delta R.T. 0.01 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Instrument :
BNA_F
ClientSampleId :
PB115343BS

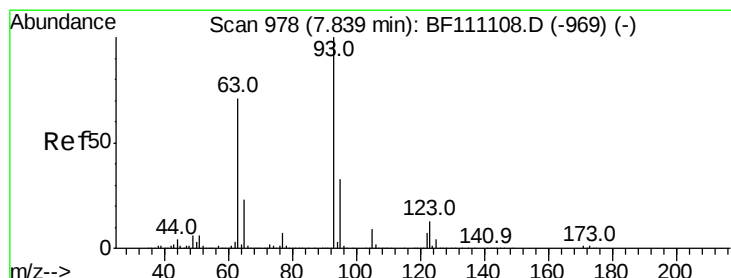
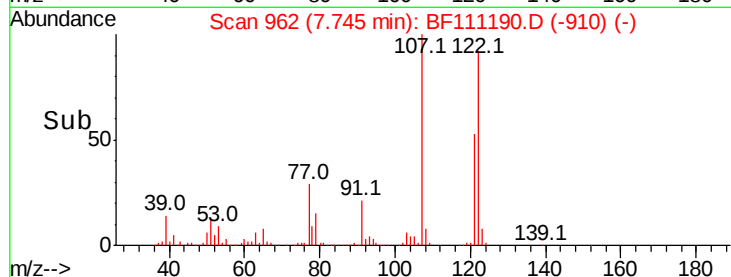
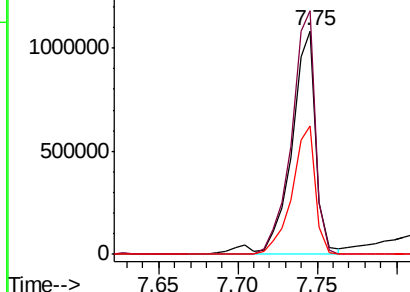
Tot Ion:122 Resp: 1163181
Ion Ratio Lower Upper
122 100
107 108.9 87.4 131.0
121 57.5 45.9 68.9

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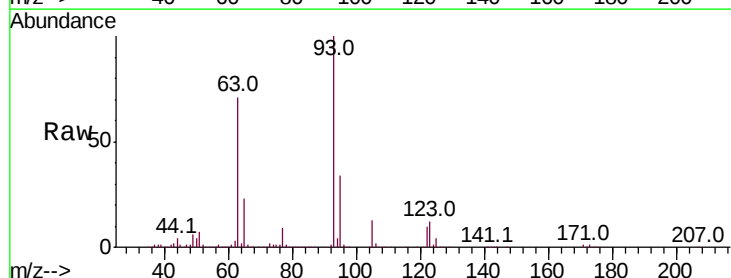


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 107.00 (106.70 to 107.70): E
Ion 121.00 (120.70 to 121.70): E

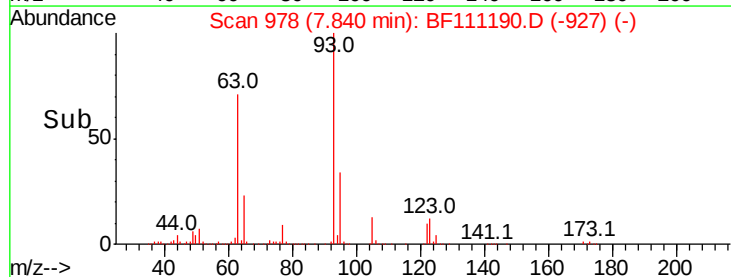
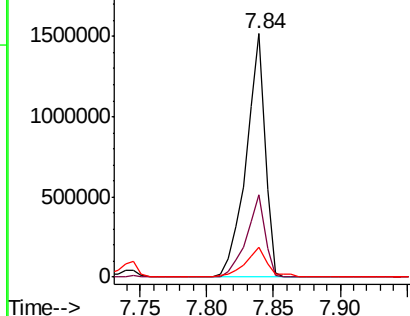


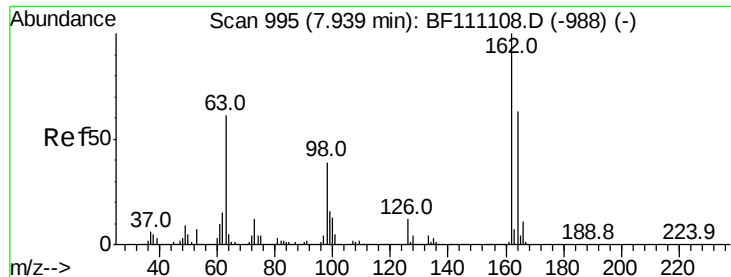
#28
bis(2-Chloroethoxy)methane
Concen: 43.426 ng
RT: 7.84 min Scan# 978
Delta R.T. 0.00 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Tgt Ion: 93 Resp: 1470050
Ion Ratio Lower Upper
93 100
95 33.6 26.6 39.8
123 12.3 10.3 15.5



Abundance Ion 93.00 (92.70 to 93.70): BF1
Ion 95.00 (94.70 to 95.70): BF1
Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 43.590 ng

RT: 7.95 min Scan# 996

Delta R.T. 0.01 min

Lab File: BF111190.D

Acq: 7 Dec 2018 16:43

Instrument :

BNA_F

ClientSampled :

PB115343BS

Tot Ion:162 Resp: 1001018

Ion Ratio Lower Upper

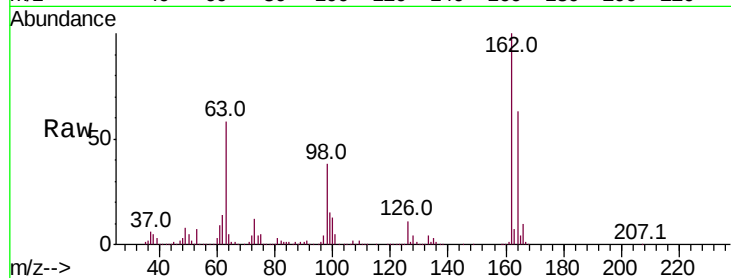
162 100

164 63.2 43.3 83.3

98 38.1 18.9 58.9

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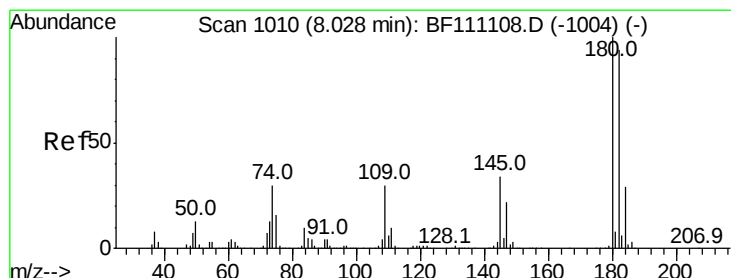
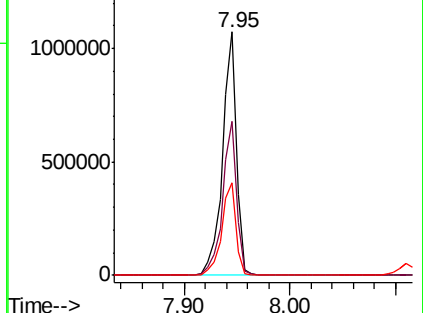
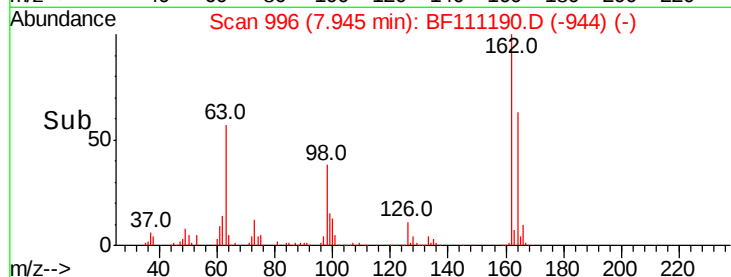
Sohil
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Abundance Ion 162.00 (161.70 to 162.70): E

Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30

1,2,4-Trichlorobenzene

Concen: 43.072 ng

RT: 8.03 min Scan# 1011

Delta R.T. 0.01 min

Lab File: BF111190.D

Acq: 7 Dec 2018 16:43

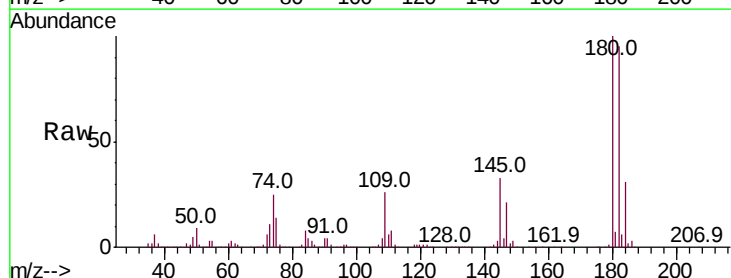
Tgt Ion:180 Resp: 998355

Ion Ratio Lower Upper

180 100

182 95.2 75.1 112.7

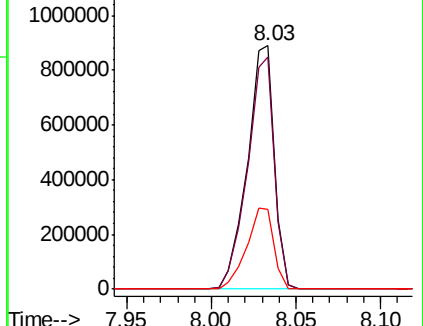
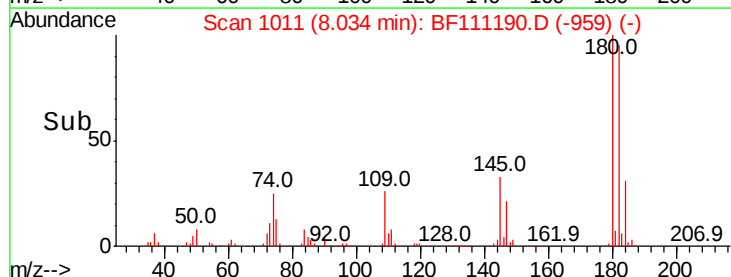
145 32.8 27.6 41.4

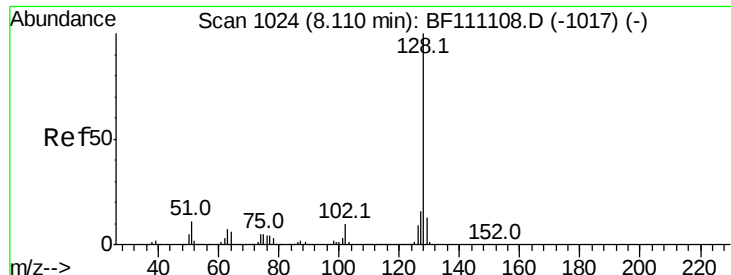


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





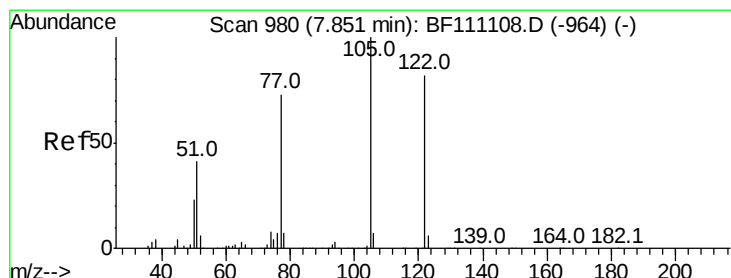
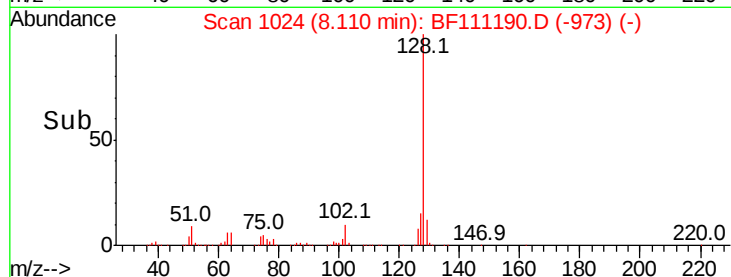
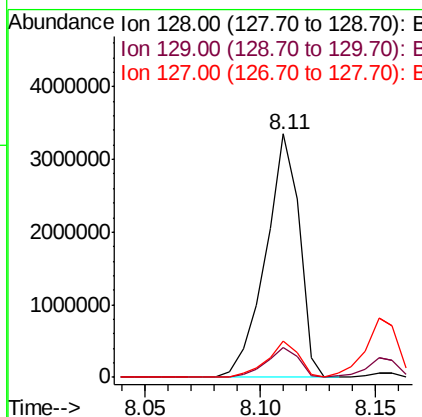
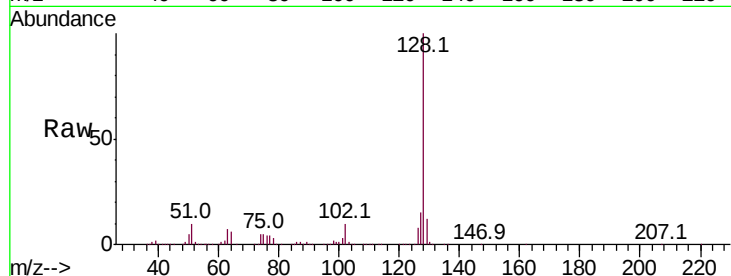
#31
Naphthalene
Concen: 48.426 ng
RT: 8.11 min Scan# 1024
Delta R.T. 0.00 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Instrument :
BNA_F
ClientSampleId :
PB115343BS

Tot Ion	Ratio	Lower	Upper
128	100		
129	12.3	10.5	15.7
127	14.6	12.5	18.7

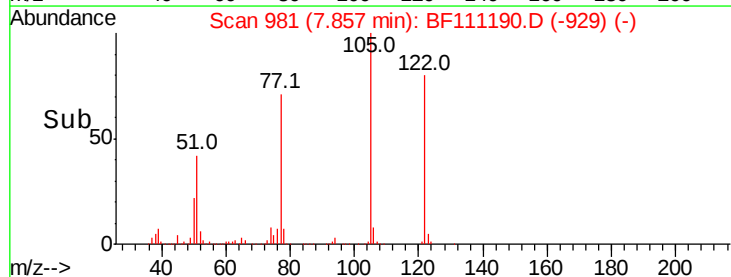
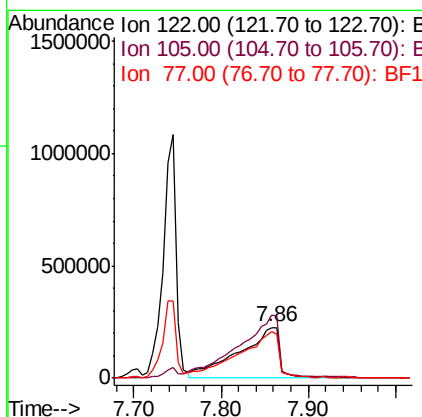
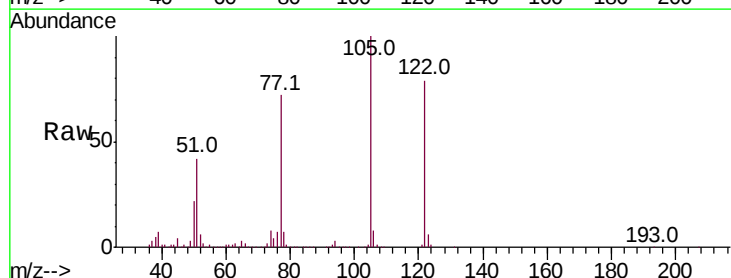
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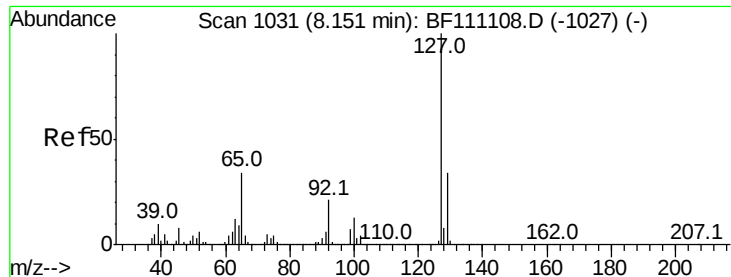
Sohil
12/11/2018 8:44:44 AM



#32
Benzoic acid
Concen: 46.076 ng
RT: 7.86 min Scan# 981
Delta R.T. 0.01 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Tgt Ion	Ratio	Lower	Upper
122	100		
105	125.9	100.1	140.1
77	91.0	69.4	109.4





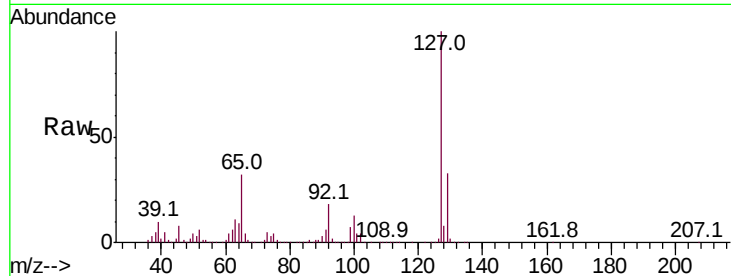
#33
4-Chloroaniline
Concen: 23.902 ng
RT: 8.15 min Scan# 1031
Delta R.T. 0.00 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Instrument :
BNA_F
ClientSampleId :
PB115343BS

Tot Ion	Ratio	Resp	Lower	Upper
127	100			
129	32.8	27.0	40.6	
65	31.6	27.2	40.8	
92	18.2	16.6	24.8	

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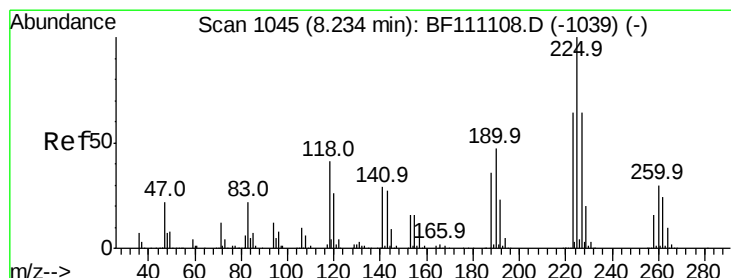
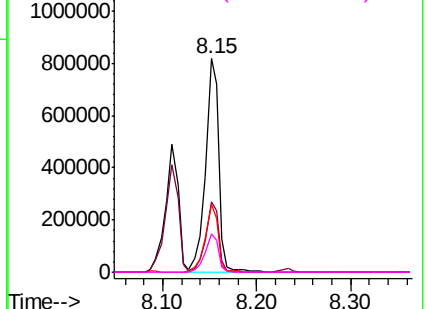
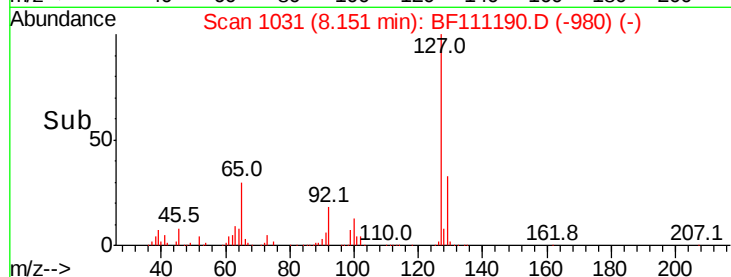
Abundance

Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

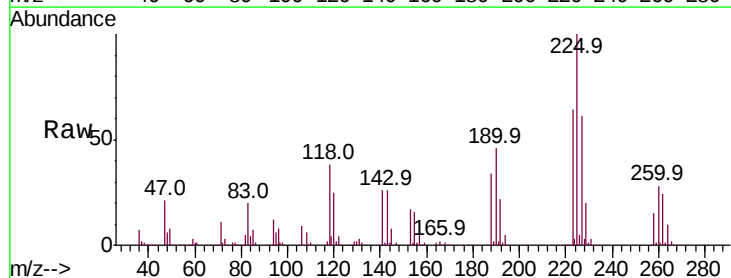
Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1



#34
Hexachlorobutadiene
Concen: 42.790 ng
RT: 8.23 min Scan# 1045
Delta R.T. 0.00 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
225	100			
223	63.7	51.4	77.2	
227	61.4	51.0	76.4	

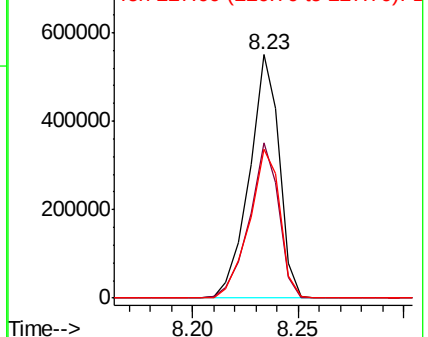
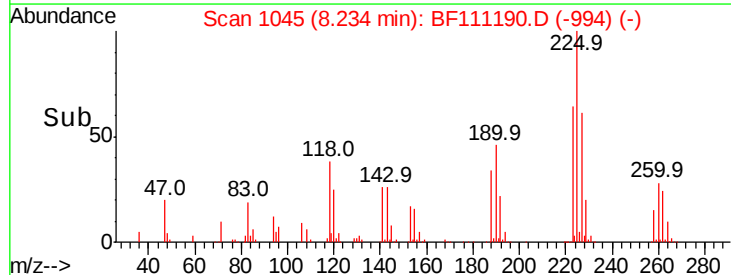


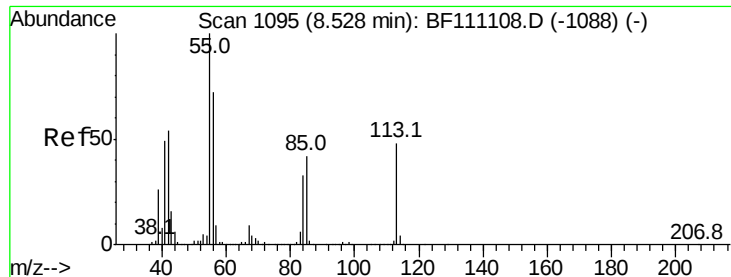
Abundance

Ion 225.00 (224.70 to 225.70): E

Ion 223.00 (222.70 to 223.70): E

Ion 227.00 (226.70 to 227.70): E





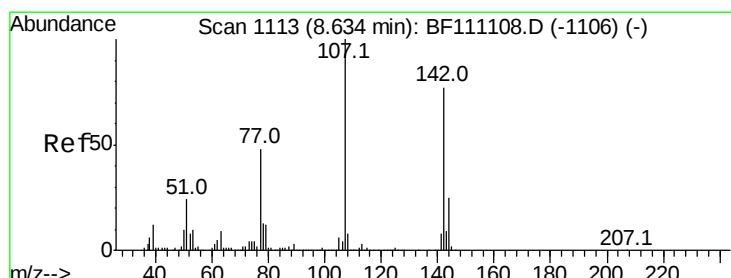
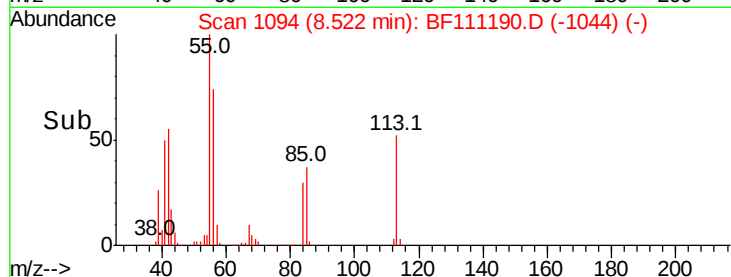
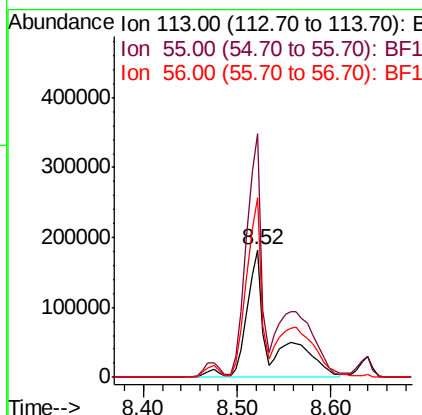
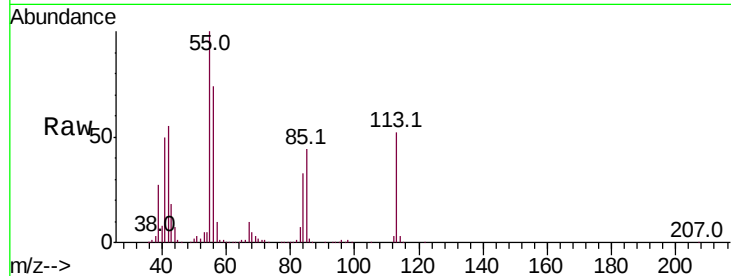
#35
Caprolactam
Concen: 40.534 ng/ml
RT: 8.52 min Scan# 1094
Delta R.T. -0.01 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Instrument :
BNA_F
ClientSampleID :
PB115343BS

Tot Ion	Ratio	Lower	Upper
113	100		
55	191.4	190.6	230.6
56	141.3	130.9	170.9

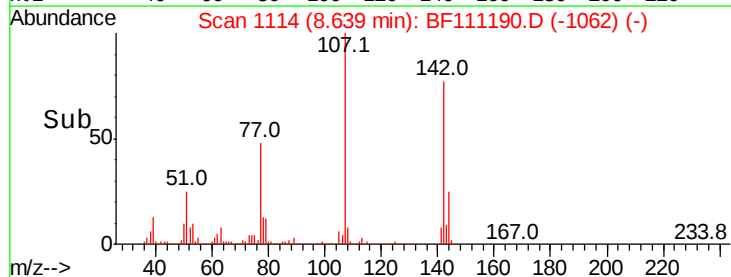
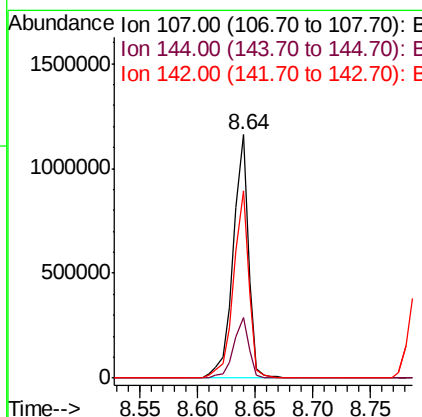
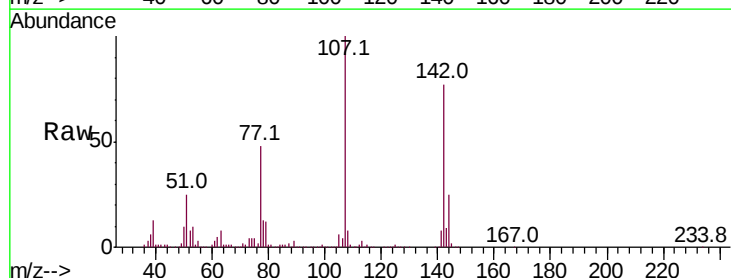
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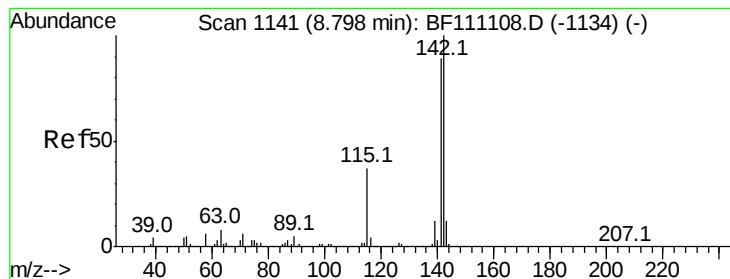
Sohil
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#36
4-Chloro-3-methylphenol
Concen: 42.602 ng/ml
RT: 8.64 min Scan# 1114
Delta R.T. 0.01 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Tgt Ion	Ratio	Lower	Upper
107	100		
144	24.9	19.9	29.9
142	76.9	61.4	92.0





#37

2-Methylnaphthalene

Concen: 47.366 ng

RT: 8.80 min Scan# 1142

Delta R.T. 0.01 min

Lab File: BF111190.D

Acq: 7 Dec 2018 16:43

Instrument :

BNA_F

ClientSampleId :

PB115343BS

Tot Ion:142 Resp: 2294741

Ion Ratio Lower Upper

142 100

141 90.3 71.4 107.0

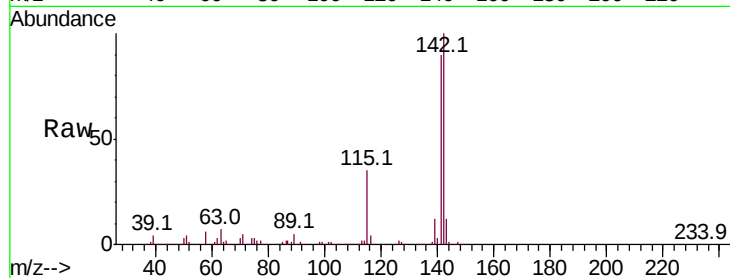
115 35.1 29.2 43.8

Manual Integrations

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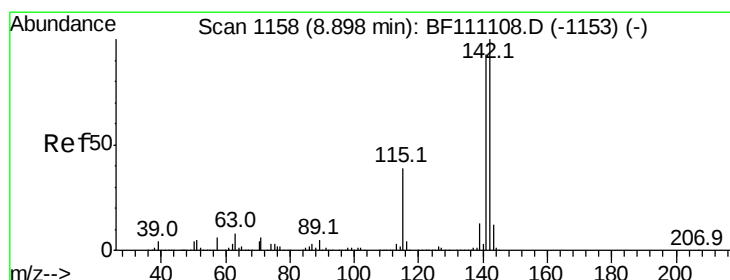
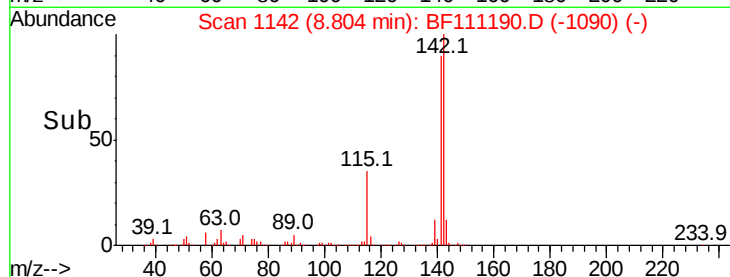
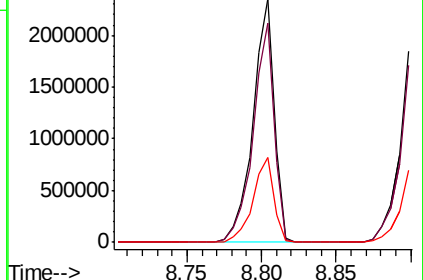
12/11/2018 8:44:44 AM



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

1-Methylnaphthalene

Concen: 46.751 ng

RT: 8.90 min Scan# 1159

Delta R.T. 0.01 min

Lab File: BF111190.D

Acq: 7 Dec 2018 16:43

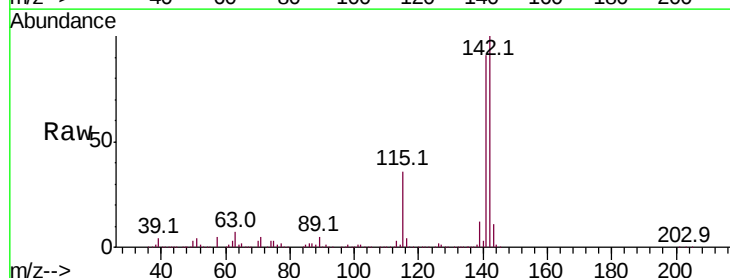
Tgt Ion:142 Resp: 2177572

Ion Ratio Lower Upper

142 100

141 91.4 74.5 111.7

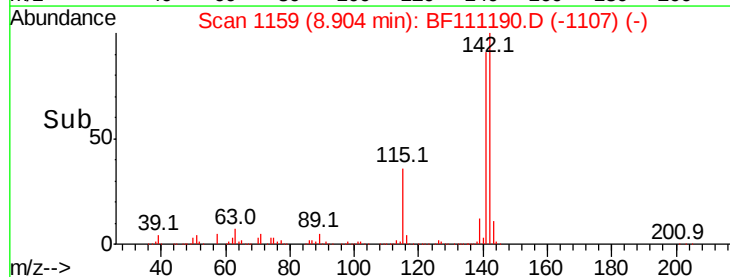
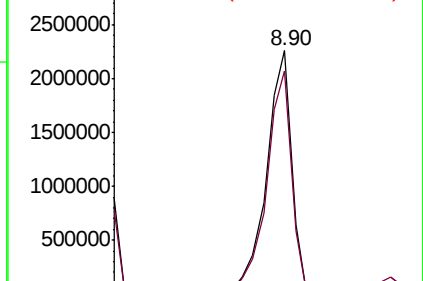
116 3.7 3.2 4.8

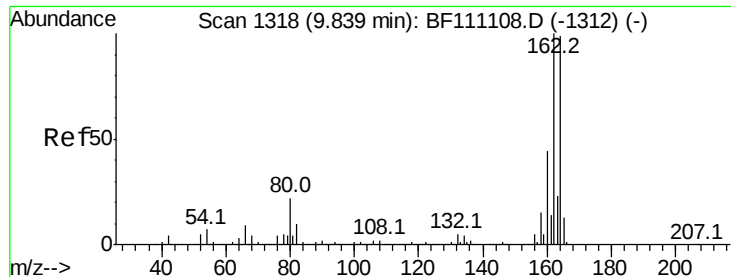


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 116.00 (115.70 to 116.70): E





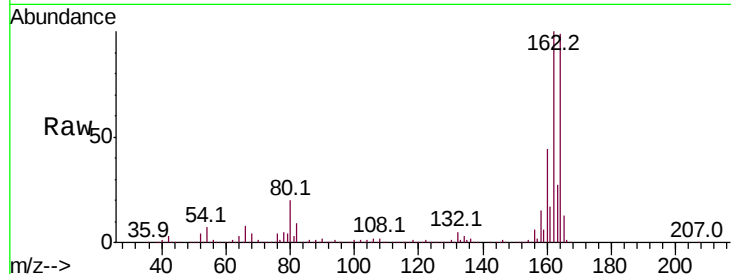
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.01 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Instrument :
BNA_F
ClientSampleId :
PB115343BS

Tot Ion	Ratio	Resp	Lower	Upper
164	100			
162	100.5	80.6	120.8	
160	44.3	35.5	53.3	

Manual Integrations
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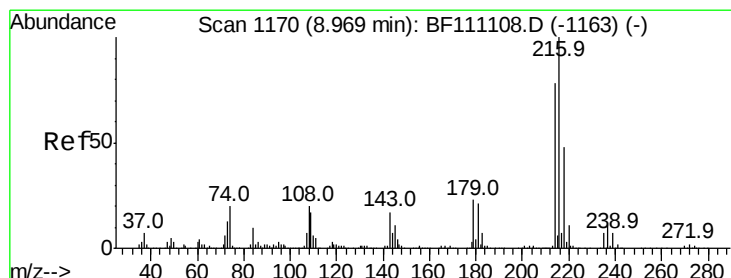
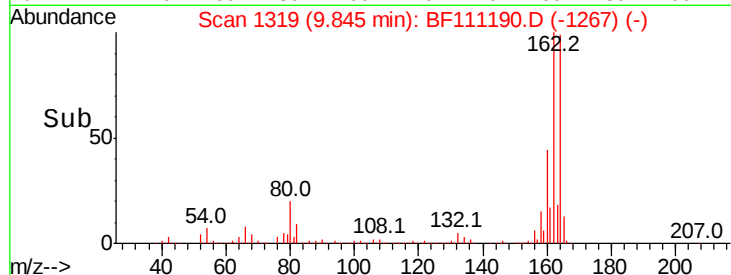
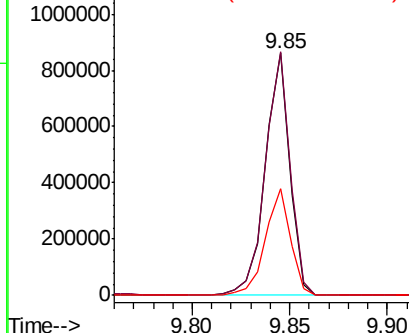


Abundance

Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.252 ng
RT: 8.97 min Scan# 1171
Delta R.T. 0.01 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
216	100			
214	78.5	63.4	95.0	
179	22.8	18.5	27.7	
108	25.8	19.1	28.7	

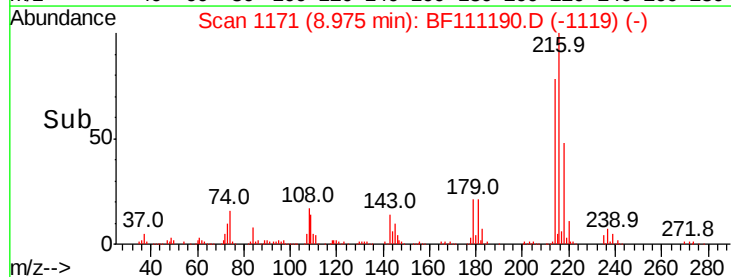
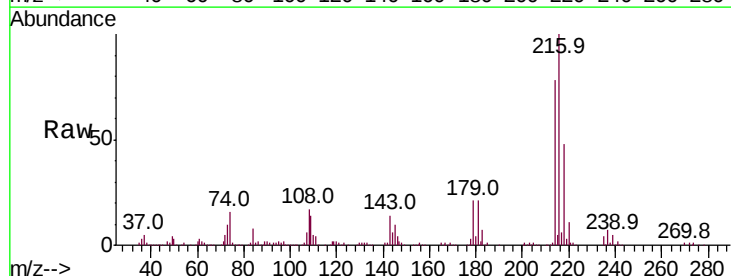
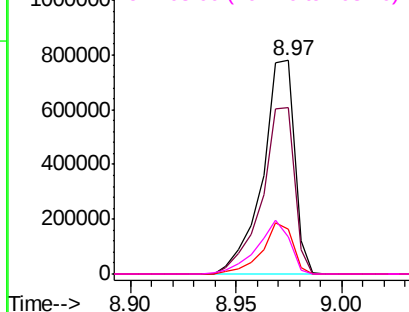
Abundance

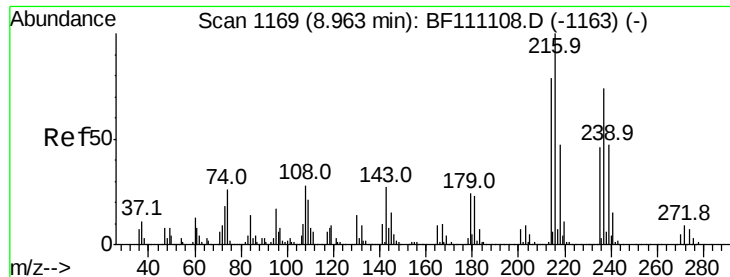
Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 101.507 ng

RT: 8.96 min Scan# 1169

Delta R.T. 0.00 min

Lab File: BF111190.D

Acq: 7 Dec 2018 16:43

Instrument :

BNA_F

ClientSampleId :

PB115343BS

Tot Ion:237 Resp: 1069005

Ion Ratio Lower Upper

237 100

235 63.1 41.9 81.9

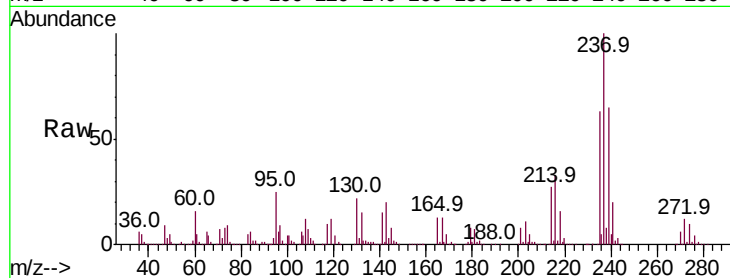
272 12.3 0.0 32.7

Manual Integrations

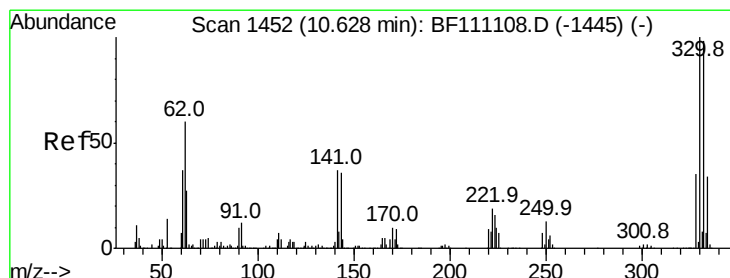
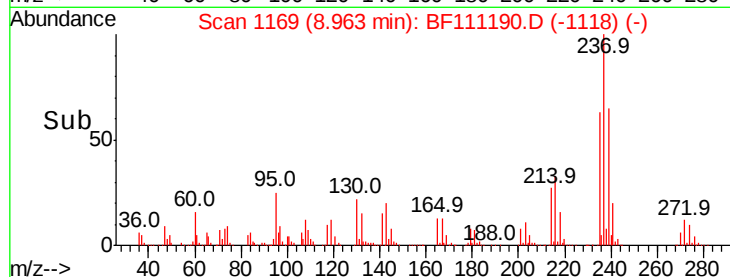
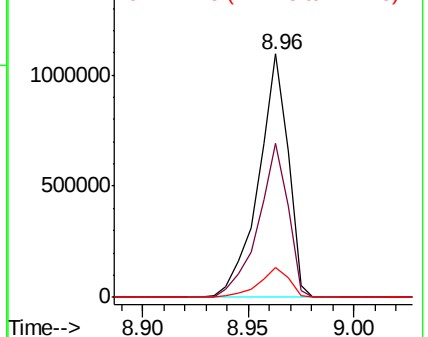
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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 134.941 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.01 min

Lab File: BF111190.D

Acq: 7 Dec 2018 16:43

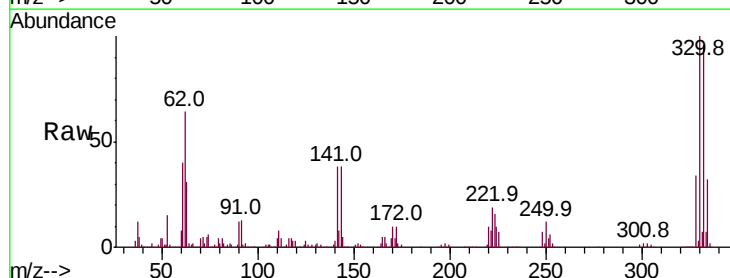
Tgt Ion:330 Resp: 803810

Ion Ratio Lower Upper

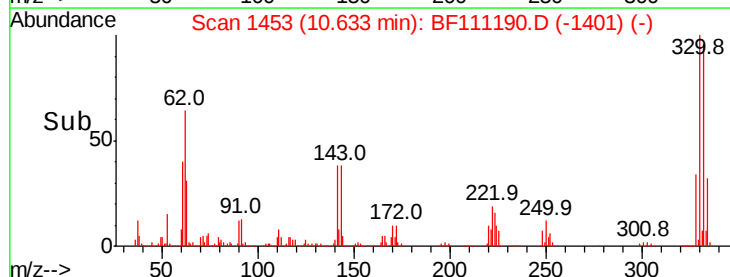
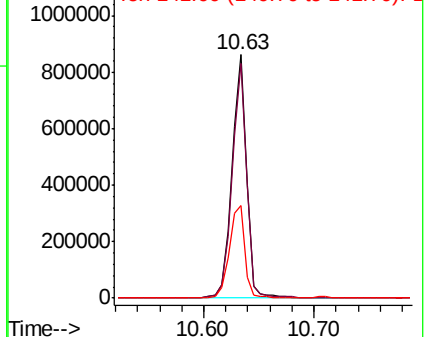
330 100

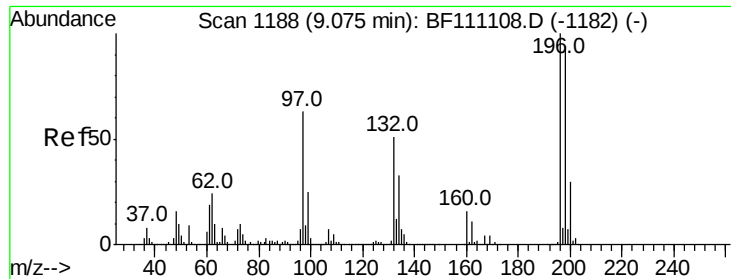
332 96.2 77.2 115.8

141 40.6 36.1 54.1



Abundance Ion 329.80 (329.50 to 330.50): E
Ion 331.80 (331.50 to 332.50): E
Ion 141.00 (140.70 to 141.70): E





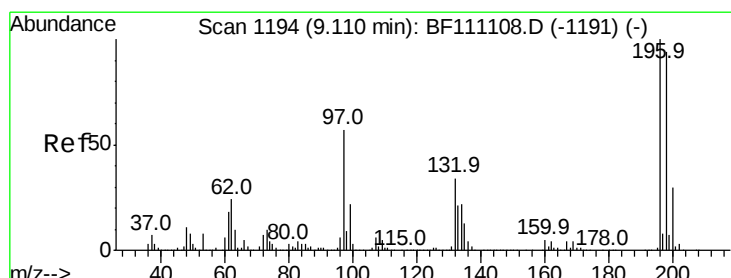
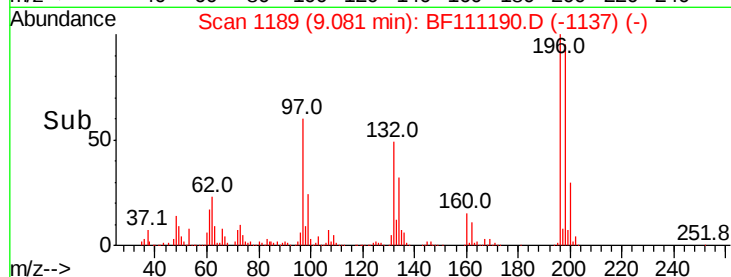
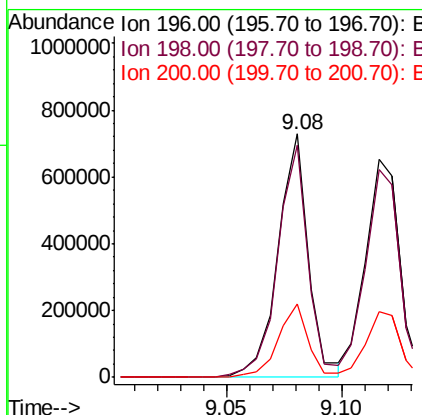
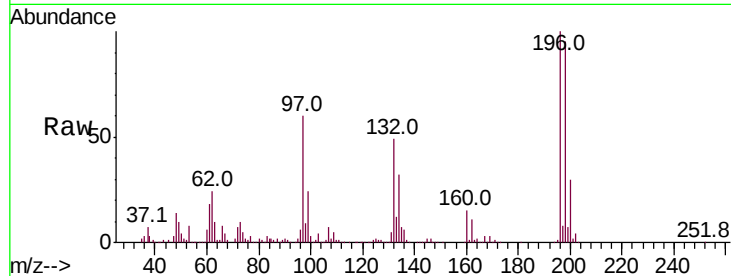
#43
 2,4,6-Trichlorophenol
 Concen: 45.224 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: BF111190.D
 Acq: 7 Dec 2018 16:43

Instrument :
 BNA_F
 ClientSampleID :
 PB115343BS

Tot Ion	Ratio	Resp	Lower	Upper
196	100	659689		
198	95.3	75.4	113.0	
200	30.3	24.2	36.4	

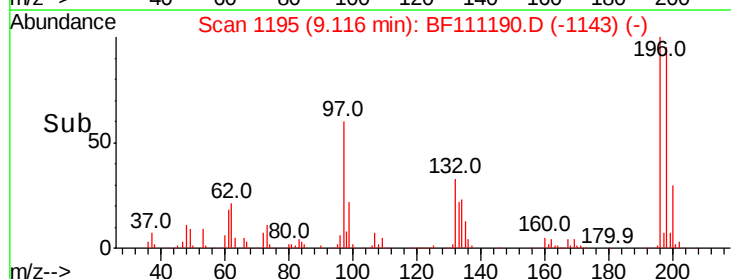
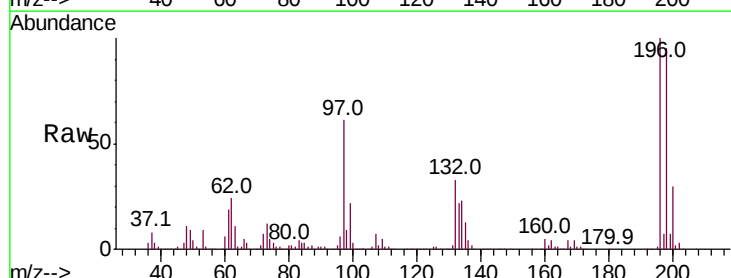
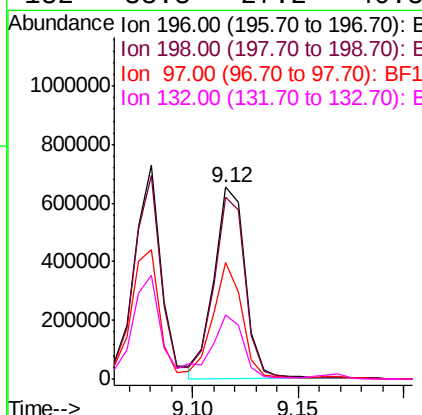
Manual Integrations
 APPROVED

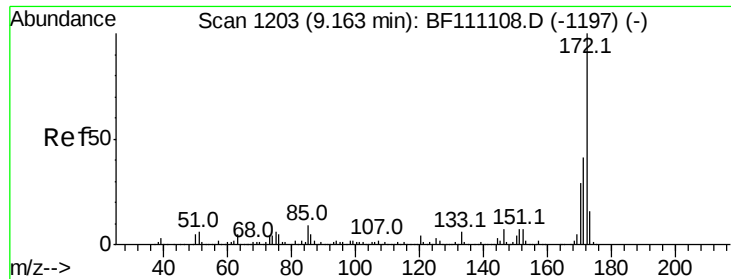
Sohil
 12/11/2018 8:44:44 AM



#44
 2,4,5-Trichlorophenol
 Concen: 45.462 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. 0.01 min
 Lab File: BF111190.D
 Acq: 7 Dec 2018 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	672244		
198	95.0	75.0	112.4	
97	60.5	46.2	69.4	
132	33.3	27.2	40.8	





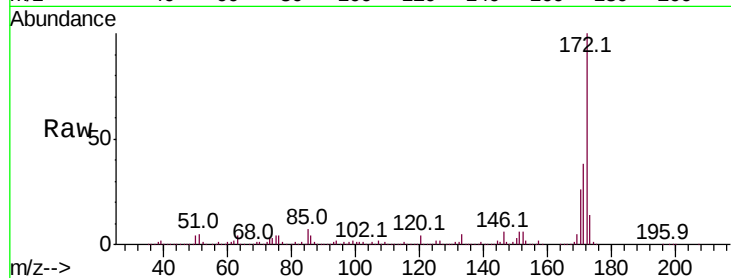
#45
2-Fluorobiphenyl
Concen: 80.983 ng
RT: 9.17 min Scan# 1204
Delta R.T. 0.01 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Instrument :
BNA_F
ClientSampleId :
PB115343BS

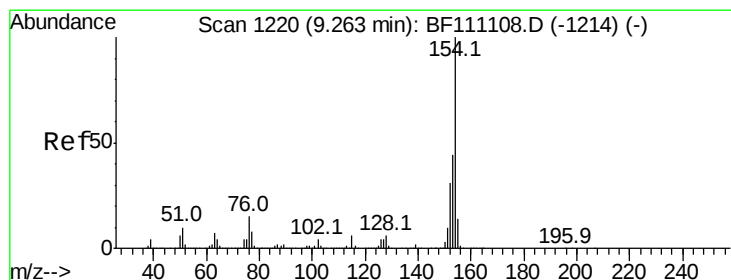
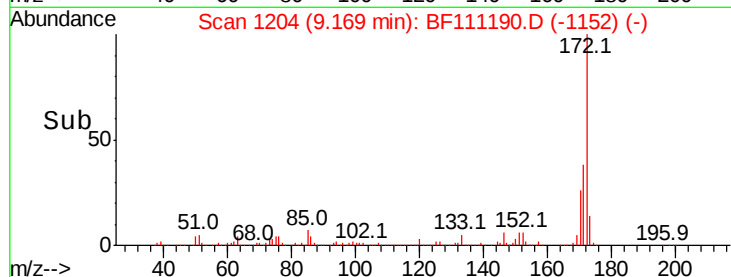
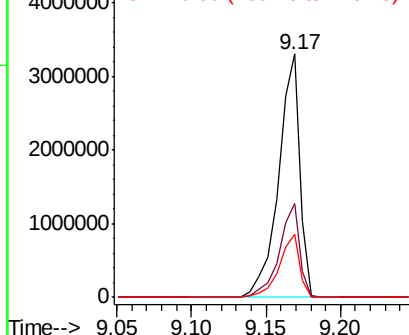
Tot Ion:172 Resp: 3306025
Ion Ratio Lower Upper
172 100
171 38.3 33.2 49.8
170 26.1 22.9 34.3

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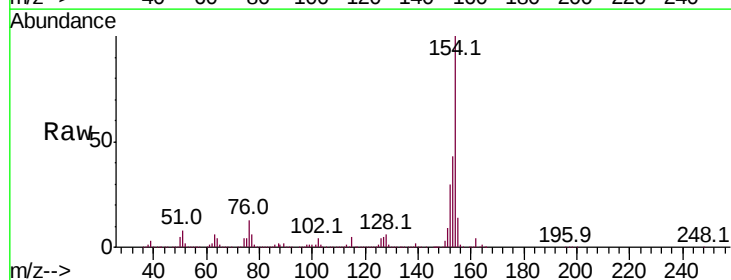


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

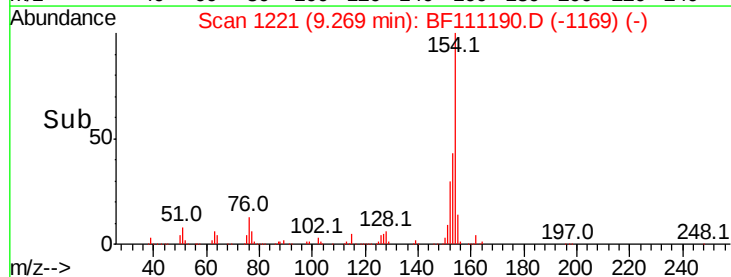
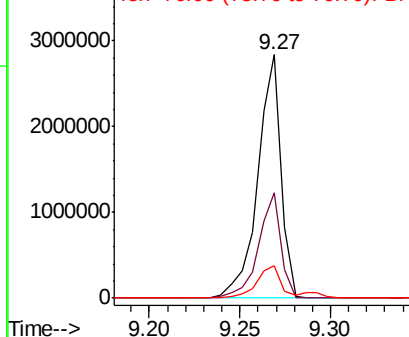


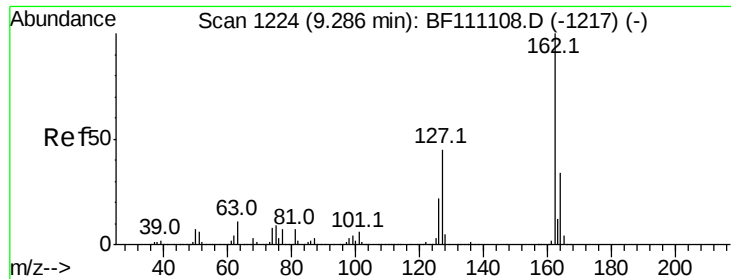
#46
1,1'-Biphenyl
Concen: 41.308 ng
RT: 9.27 min Scan# 1221
Delta R.T. 0.01 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Tgt Ion:154 Resp: 2534077
Ion Ratio Lower Upper
154 100
153 43.0 23.7 63.7
76 13.2 0.0 35.0



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1





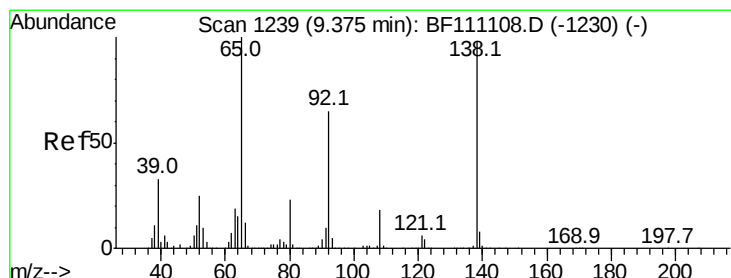
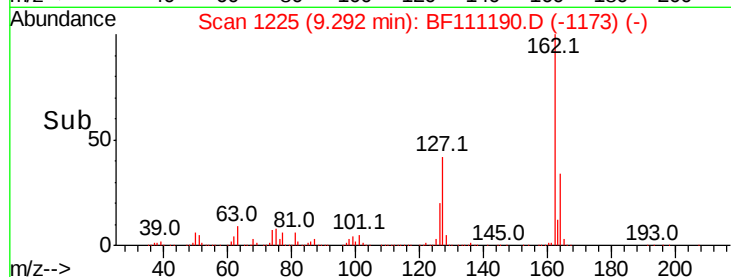
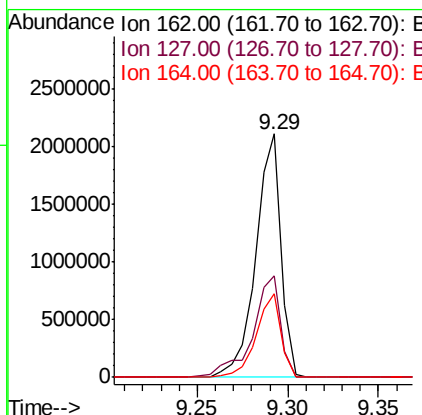
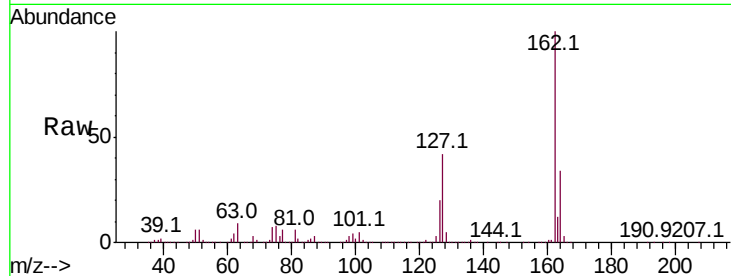
#47
 2-Chloronaphthalene
 Concen: 42.638 ng
 RT: 9.29 min Scan# 1225
 Delta R.T. 0.01 min
 Lab File: BF111190.D
 Acq: 7 Dec 2018 16:43

Instrument :
 BNA_F
 ClientSampleID :
 PB115343BS

Tot Ion	Ratio	Lower	Upper
162	100		
127	41.9	36.4	54.6
164	34.1	27.3	40.9

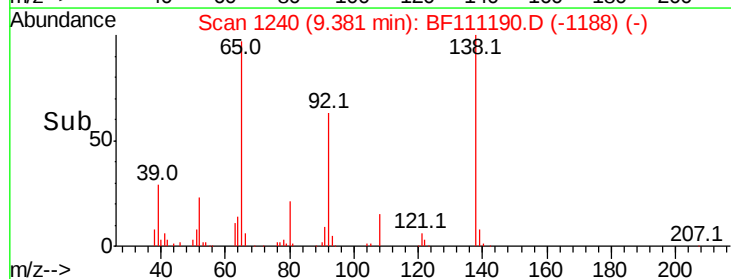
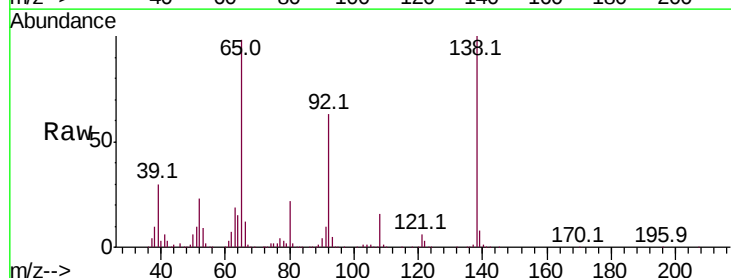
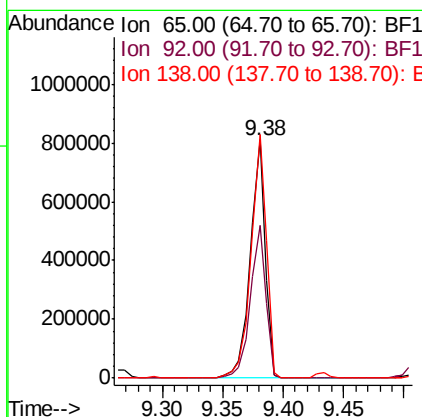
Manual Integrations
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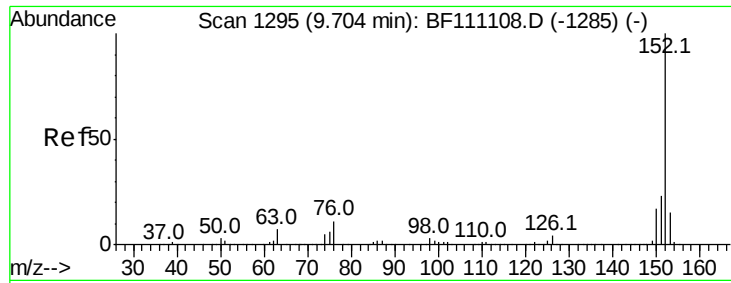
Sohil
 12/11/2018 8:44:44 AM



#48
 2-Nitroaniline
 Concen: 45.507 ng
 RT: 9.38 min Scan# 1240
 Delta R.T. 0.01 min
 Lab File: BF111190.D
 Acq: 7 Dec 2018 16:43

Tgt Ion	Ratio	Lower	Upper
65	100		
92	64.3	52.1	78.1
138	102.3	78.2	117.4





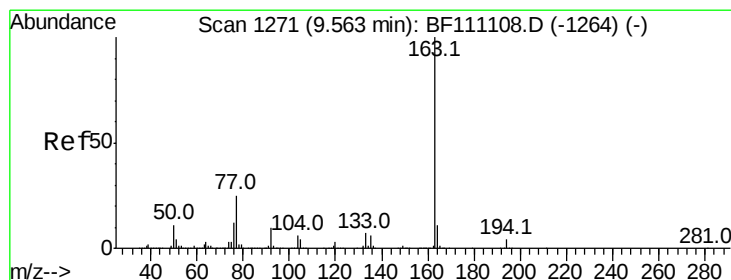
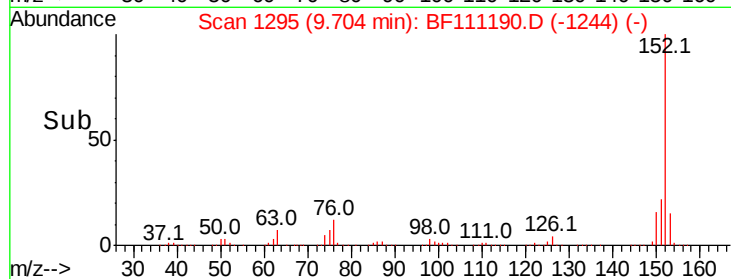
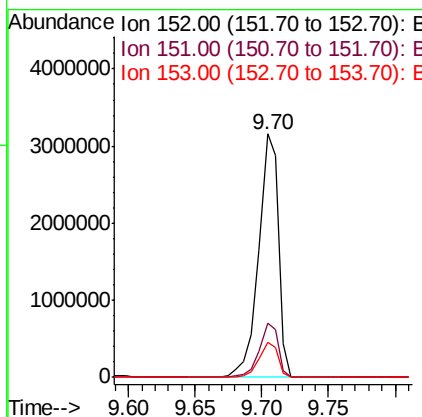
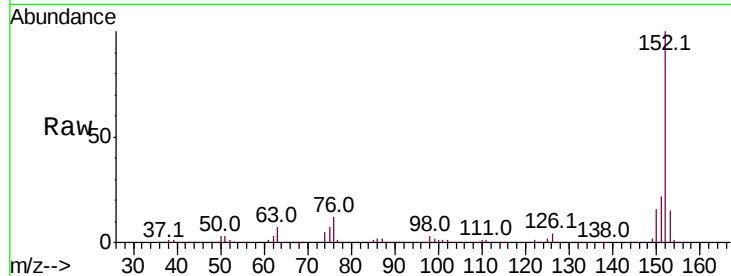
#49
Acenaphthylene
Concen: 47.895 ng
RT: 9.70 min Scan# 1295
Delta R.T. 0.00 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Instrument :
BNA_F
ClientSampleId :
PB115343BS

Tot Ion	Ratio	Lower	Upper
152	100		
151	22.1	18.3	27.5
153	14.6	11.8	17.8

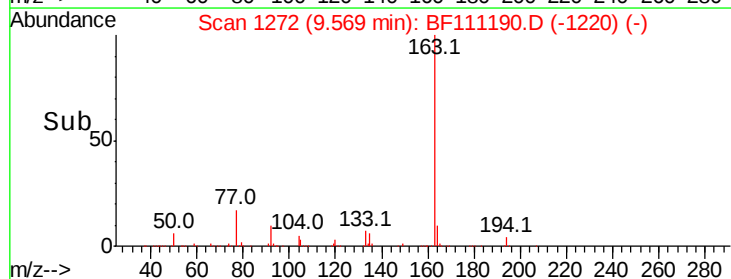
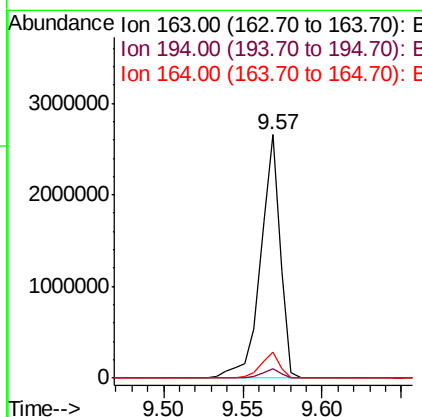
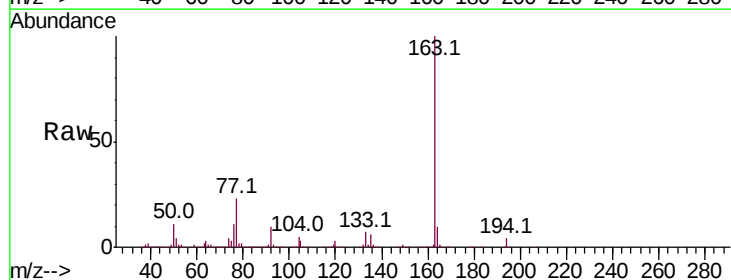
Manual Integrations
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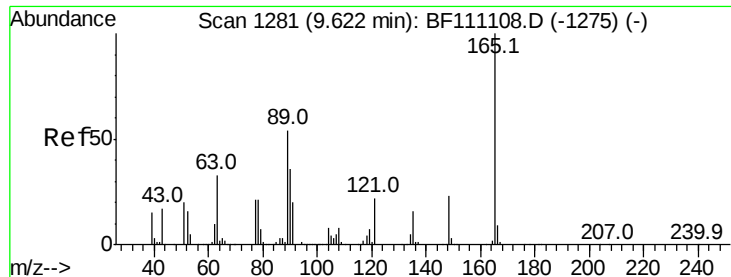
Sohil
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#50
Dimethylphthalate
Concen: 44.124 ng
RT: 9.57 min Scan# 1272
Delta R.T. 0.01 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.9	3.0	4.4
164	10.5	8.9	13.3





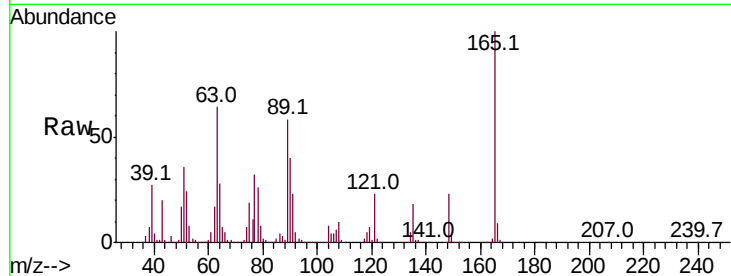
#51
 2,6-Dinitrotoluene
 Concen: 48.470 ng
 RT: 9.62 min Scan# 1281
 Delta R.T. 0.00 min
 Lab File: BF111190.D
 Acq: 7 Dec 2018 16:43

Instrument :
 BNA_F
 ClientSampleId :
 PB115343BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	64.2	44.7	67.1	
89	57.9	43.0	64.4	

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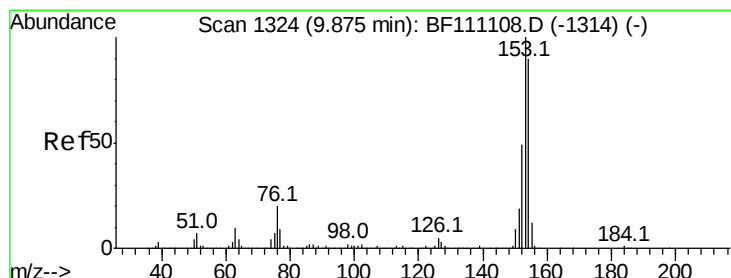
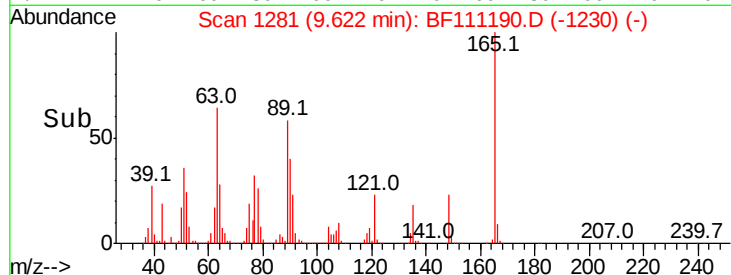
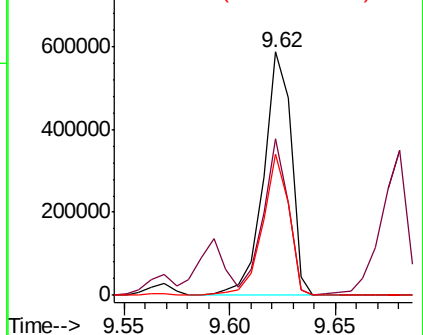


Abundance

Ion 165.00 (164.70 to 165.70): E

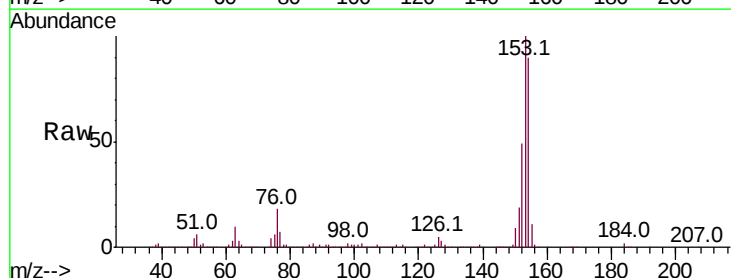
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52
 Acenaphthene
 Concen: 47.331 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: BF111190.D
 Acq: 7 Dec 2018 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
154	100			
153	110.9	88.7	133.1	
152	54.9	43.8	65.8	

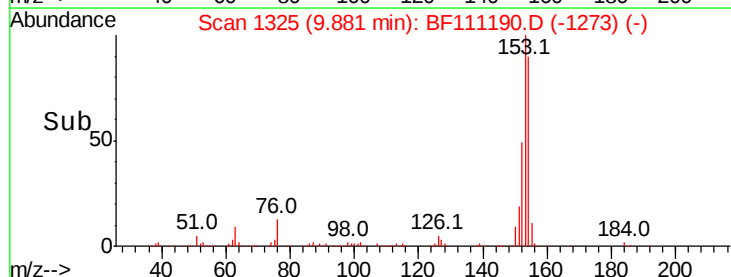
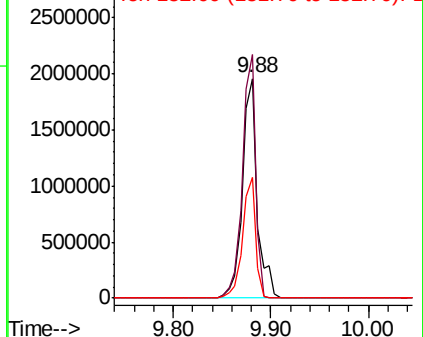


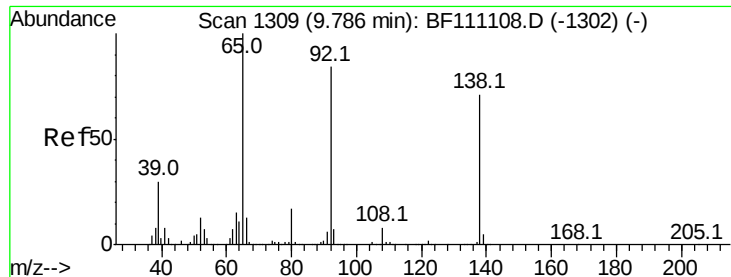
Abundance

Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





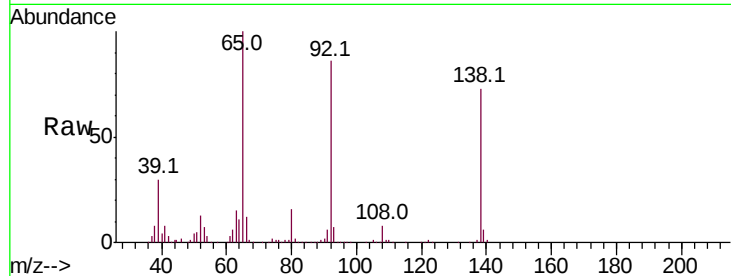
#53
3-Nitroaniline
Concen: 31.432 ng
RT: 9.79 min Scan# 1309
Delta R.T. 0.00 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Instrument :
BNA_F
ClientSampleId :
PB115343BS

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.5	9.4	14.0
92	116.7	94.1	141.1

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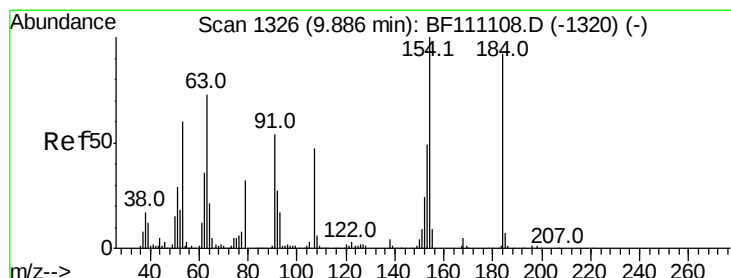
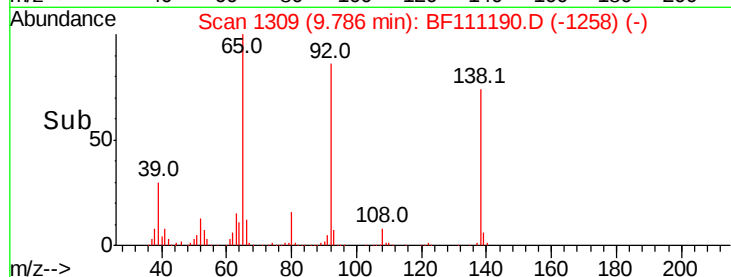
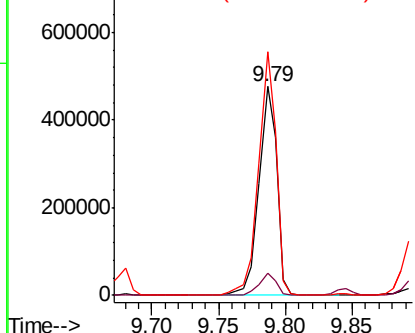


Abundance

Ion 138.00 (137.70 to 138.70): E

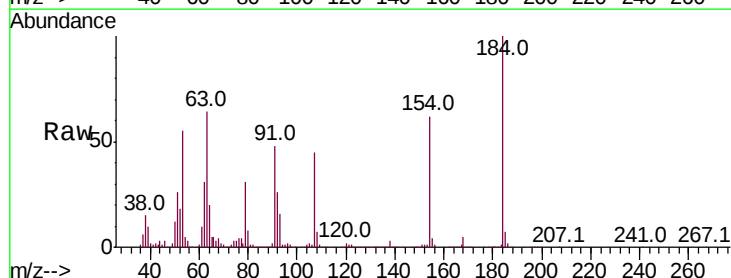
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 113.389 ng
RT: 9.90 min Scan# 1328
Delta R.T. 0.01 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Tgt Ion	Ratio	Lower	Upper
184	100		
63	64.0	64.2	96.4#
154	61.7	89.5	134.3#

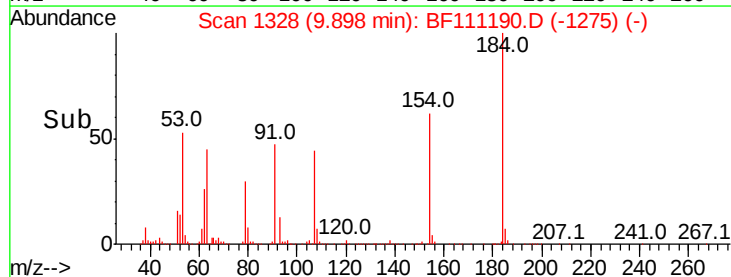
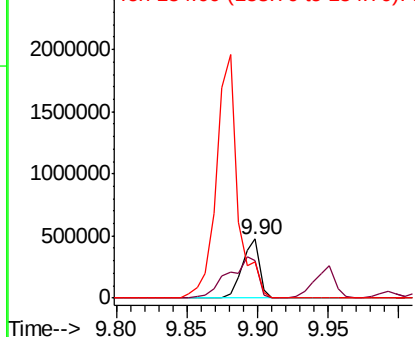


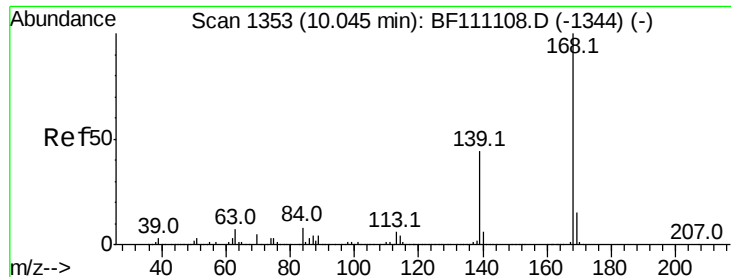
Abundance

Ion 184.00 (183.70 to 184.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 154.00 (153.70 to 154.70): E





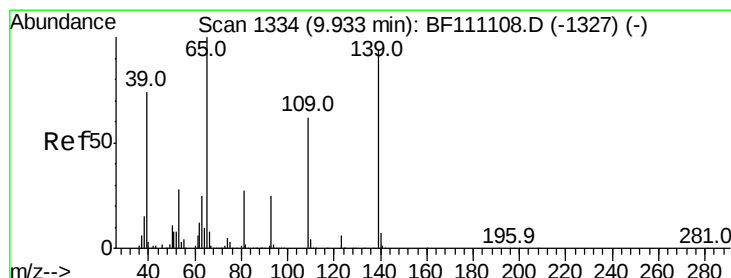
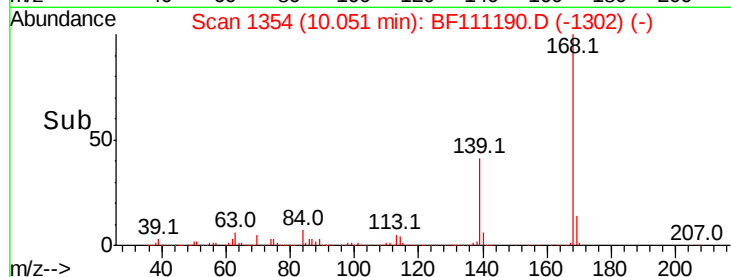
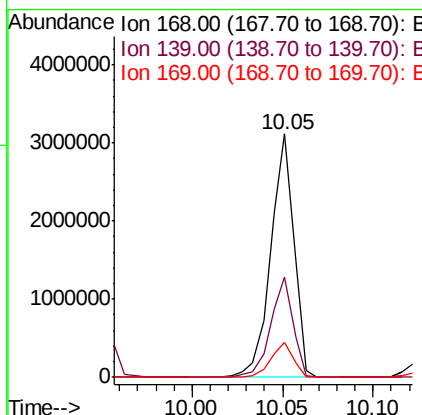
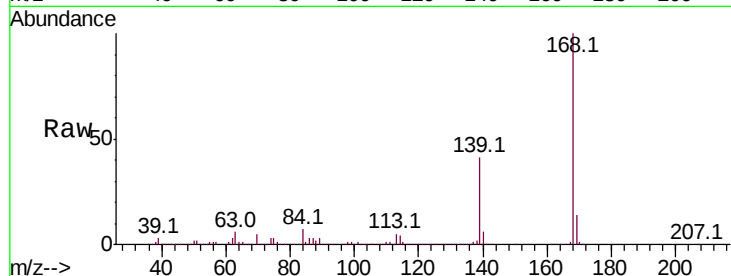
#55
Dibenzofuran
Concen: 45.417 ng
RT: 10.05 min Scan# 1354
Delta R.T. 0.01 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Instrument :
BNA_F
ClientSampleId :
PB115343BS

Tot Ion	Ratio	Lower	Upper
168	100		
139	41.4	35.1	52.7
169	14.3	12.2	18.4

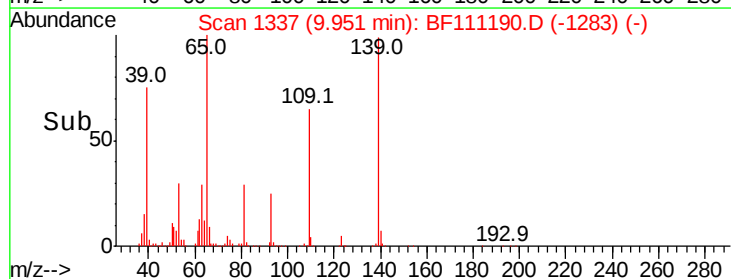
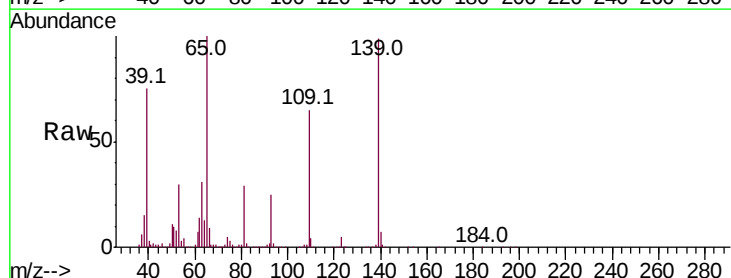
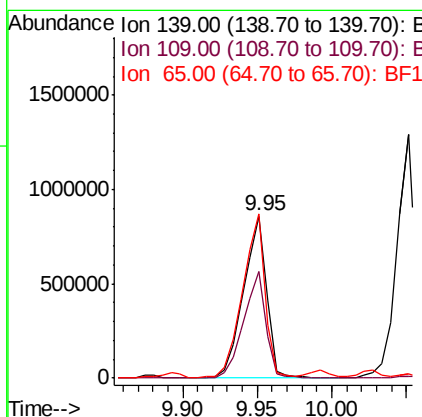
Manual Integrations
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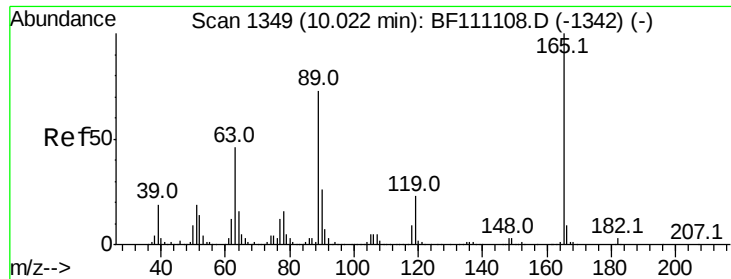
Sohil
12/11/2018 8:44:44 AM



#56
4-Nitrophenol
Concen: 87.776 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.02 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Tgt Ion	Ratio	Lower	Upper
139	100		
109	65.5	46.1	86.1
65	101.0	87.0	127.0





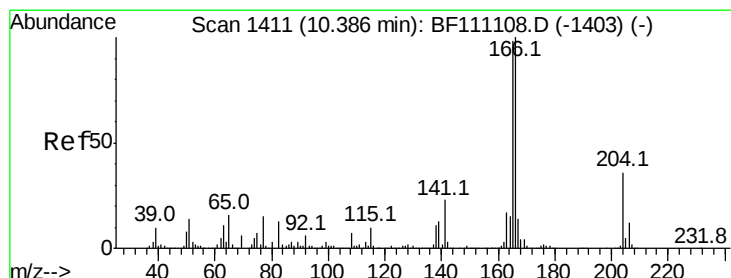
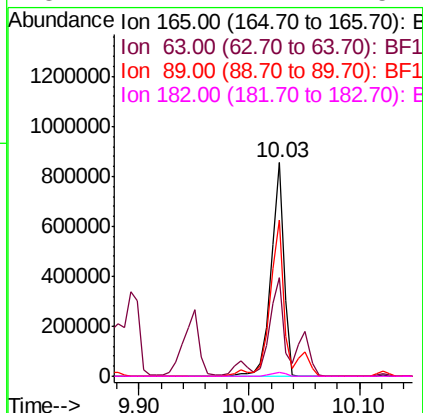
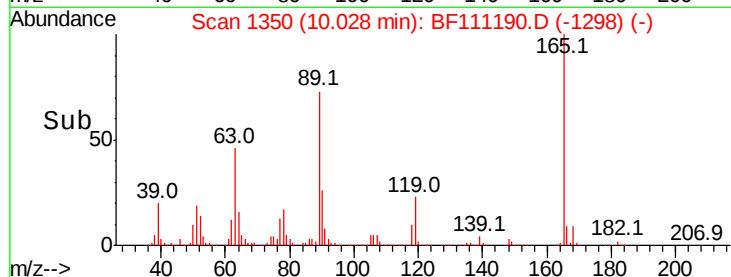
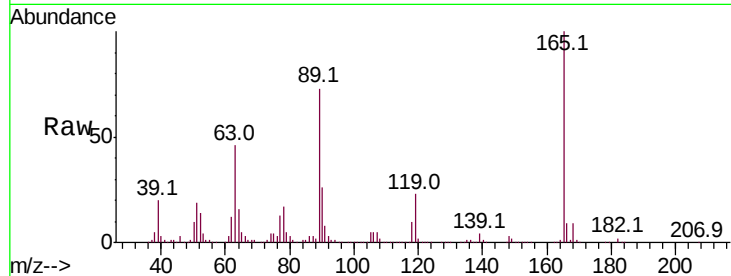
#57
2,4-Dinitrotoluene
Concen: 49.019 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.01 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Instrument :
BNA_F
ClientSampleId :
PB115343BS

Tot Ion	Ratio	Resp	Lower	Upper
165	100	700033		
63	46.4	36.7	55.1	
89	73.3	58.4	87.6	
182	2.1	2.1	3.1	

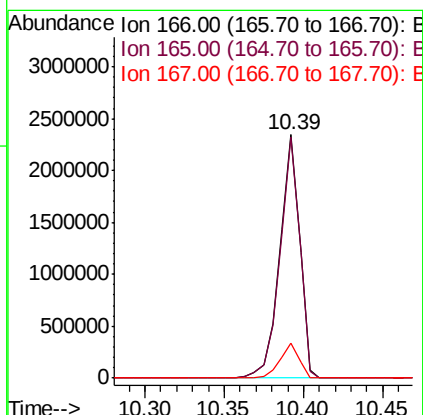
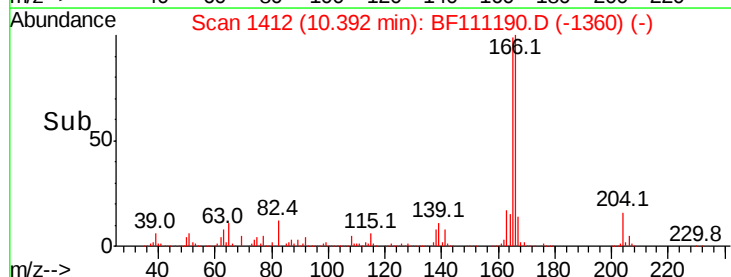
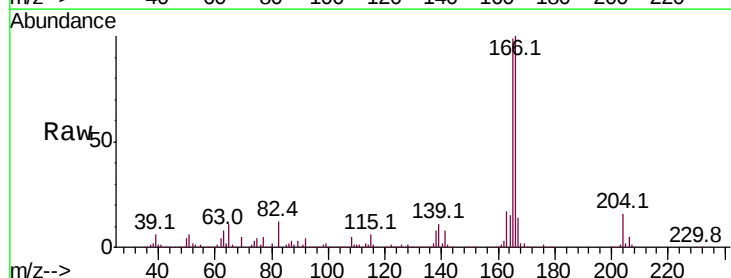
Manual Integrations
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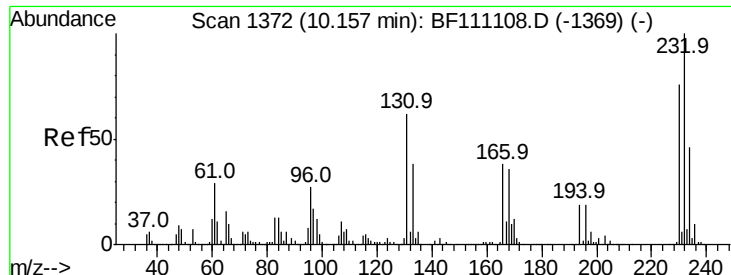
Sohil
12/11/2018 8:44:44 AM



#58
Fluorene
Concen: 47.792 ng
RT: 10.39 min Scan# 1412
Delta R.T. 0.01 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	2043406		
165	98.9	78.4	117.6	
167	14.1	11.4	17.2	





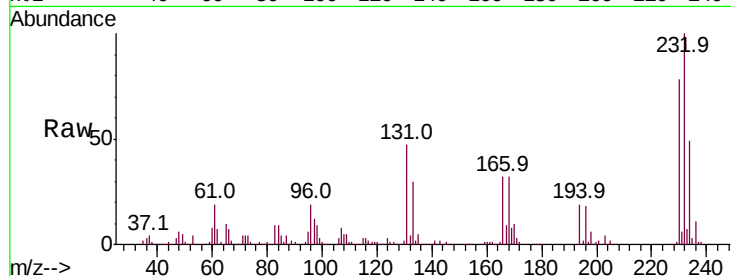
#59
2,3,4,6-Tetrachlorophenol
Concen: 50.533 ng
RT: 10.17 min Scan# 1374
Delta R.T. 0.01 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Instrument :
BNA_F
ClientSampled :
PB115343BS

Tot Ion	Ratio	Lower	Upper
232	100		
131	52.0	40.4	60.6
130	2.6	2.1	3.1
166	33.7	23.0	34.6

Manual Integrations
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12/11/2018 8:44:44 AM



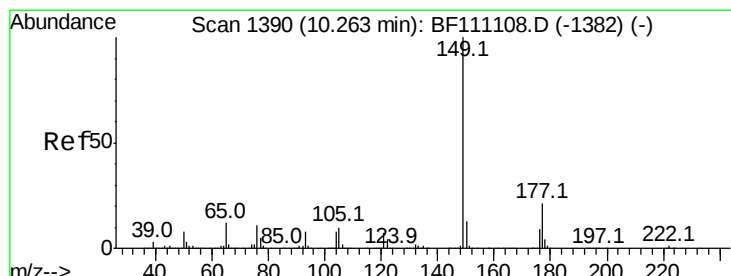
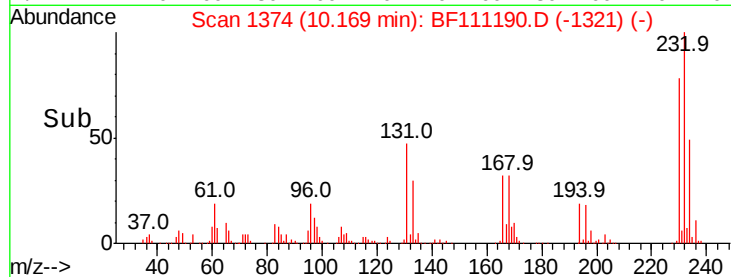
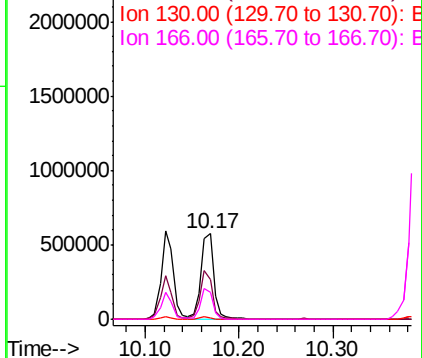
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
Diethylphthalate
Concen: 43.835 ng
RT: 10.27 min Scan# 1391
Delta R.T. 0.01 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

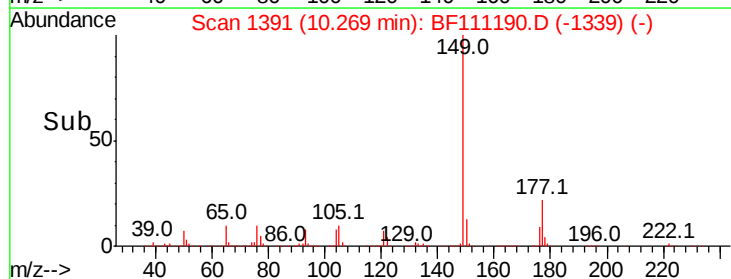
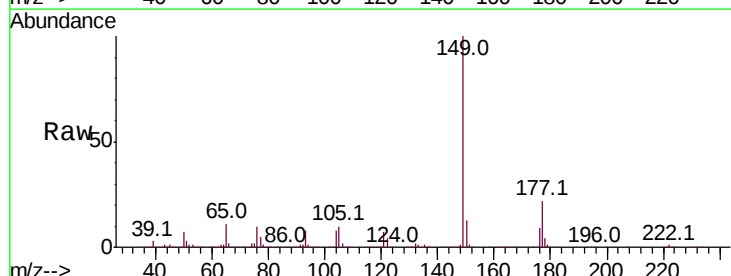
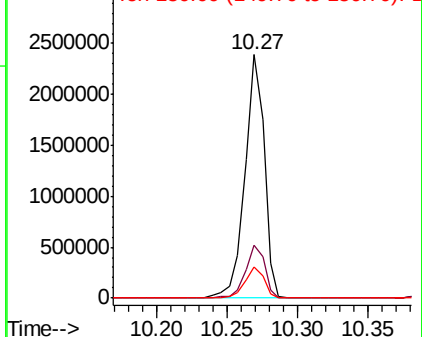
Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.8	17.0	25.6
150	13.1	10.5	15.7

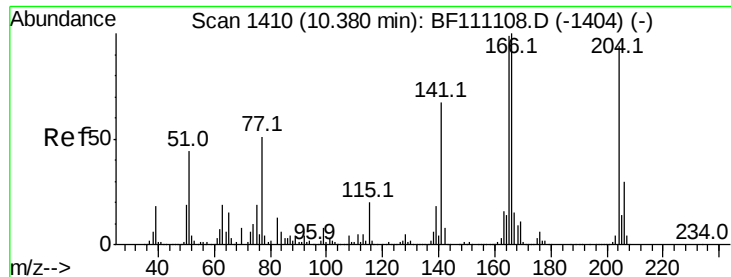
Abundance

Ion 149.00 (148.70 to 149.70): E

Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E





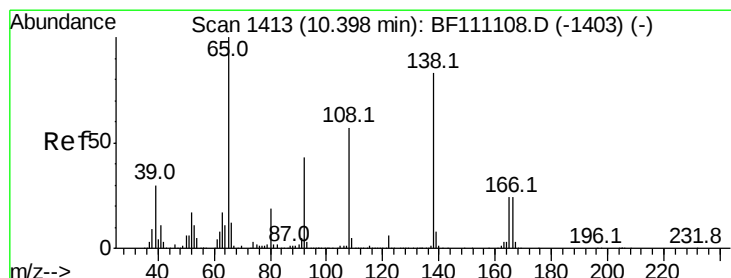
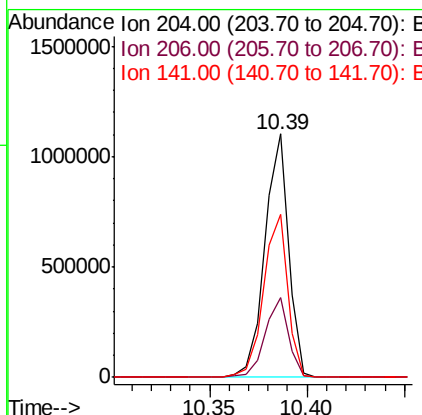
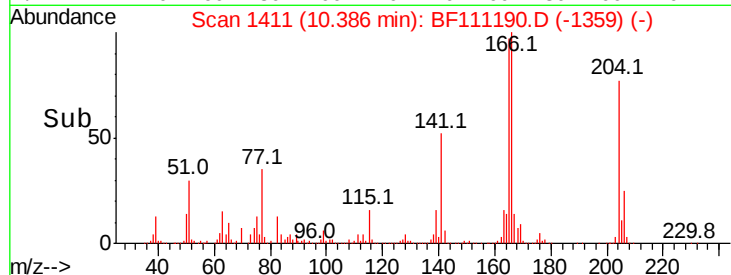
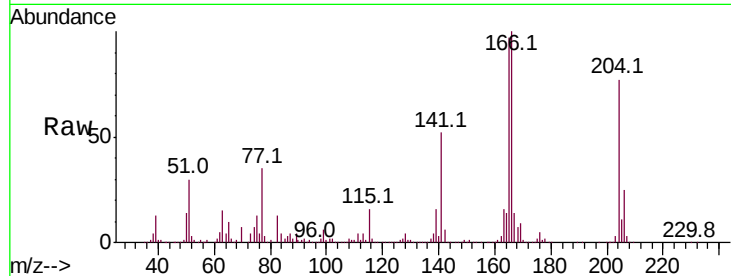
#61
 4-Chlorophenyl-phenylether
 Concen: 44.196 ng
 RT: 10.39 min Scan# 1411
 Delta R.T. 0.01 min
 Lab File: BF111190.D
 Acq: 7 Dec 2018 16:43

Instrument :
 BNA_F
 ClientSampled :
 PB115343BS

Tot Ion:	204	Resp:	931255
Ion Ratio	Lower	Upper	
204	100		
206	33.0	25.9	38.9
141	67.1	57.4	86.0

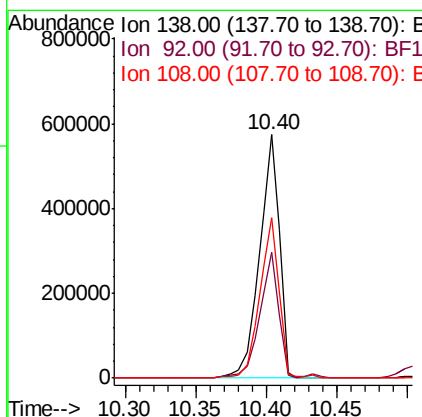
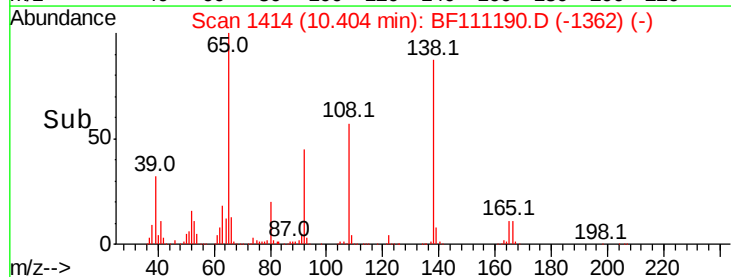
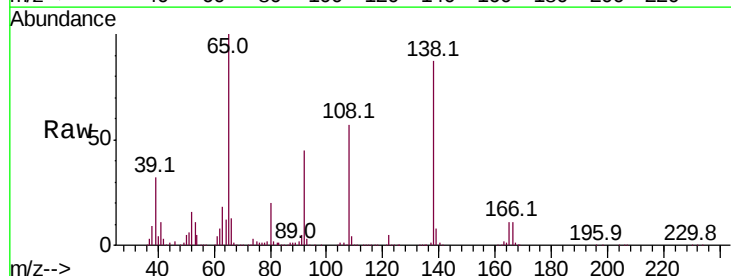
Manual Integrations
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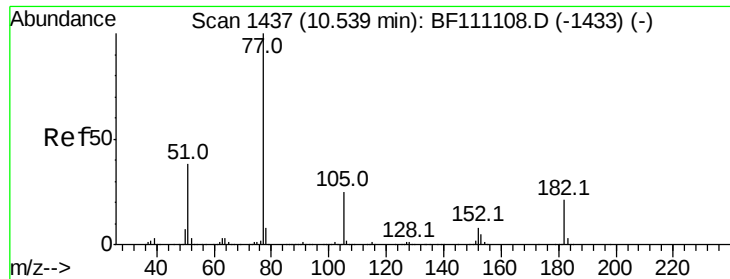
Sohil
 12/11/2018 8:44:44 AM



#62
 4-Nitroaniline
 Concen: 45.997 ng
 RT: 10.40 min Scan# 1414
 Delta R.T. 0.01 min
 Lab File: BF111190.D
 Acq: 7 Dec 2018 16:43

Tgt Ion:	138	Resp:	576613
Ion Ratio	Lower	Upper	
138	100		
92	52.0	31.6	71.6
108	66.0	48.3	88.3





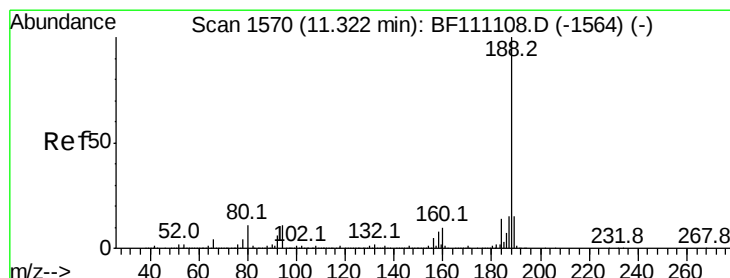
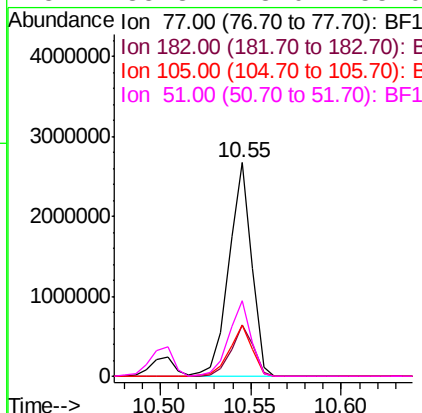
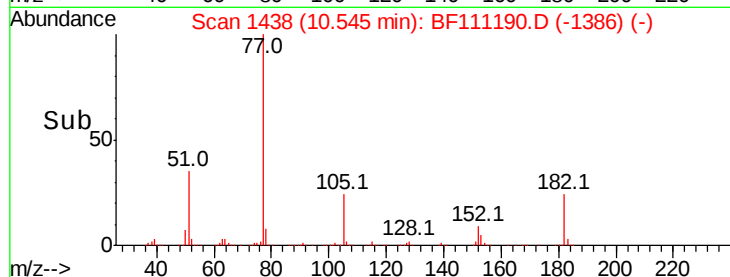
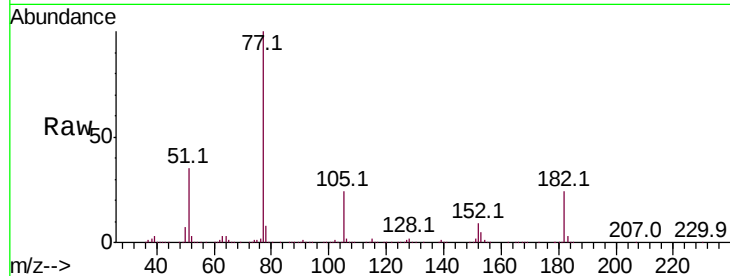
#63
Azobenzene
Concen: 41.889 ng
RT: 10.55 min Scan# 1438
Delta R.T. 0.01 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Instrument :
BNA_F
ClientSampleId :
PB115343BS

Tot Ion	Ratio	Lower	Upper
77	100		
182	24.2	1.4	41.4
105	24.0	4.7	44.7
51	35.3	18.0	58.0

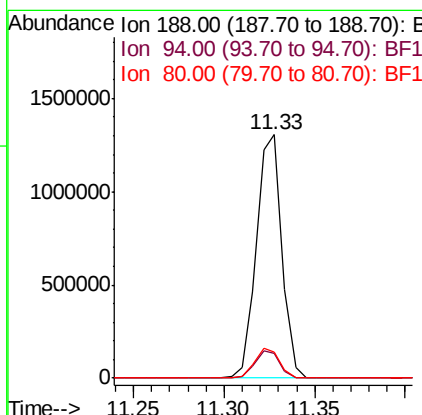
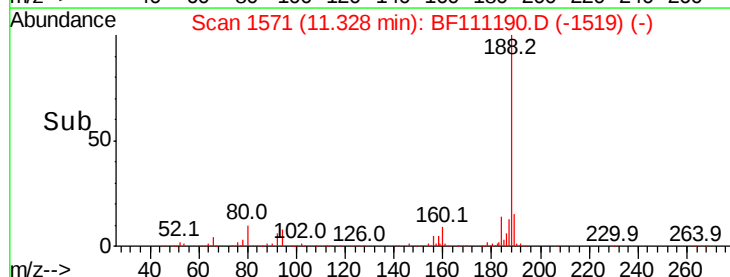
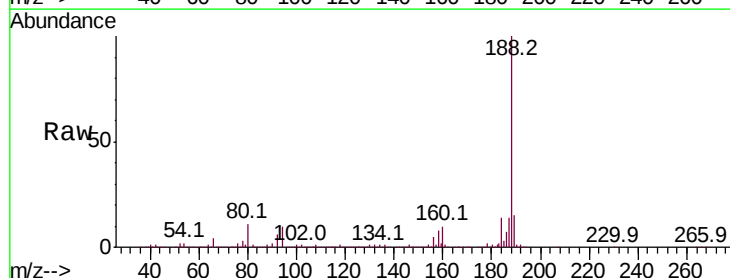
Manual Integrations
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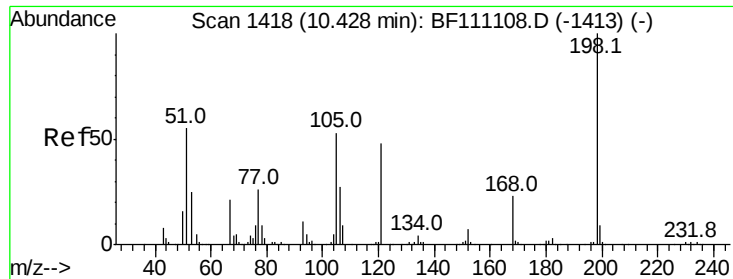
Sohil
12/11/2018 8:44:44 AM



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.33 min Scan# 1571
Delta R.T. 0.01 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Tgt Ion	Ratio	Lower	Upper
188	100		
94	10.4	8.5	12.7
80	10.8	9.0	13.6





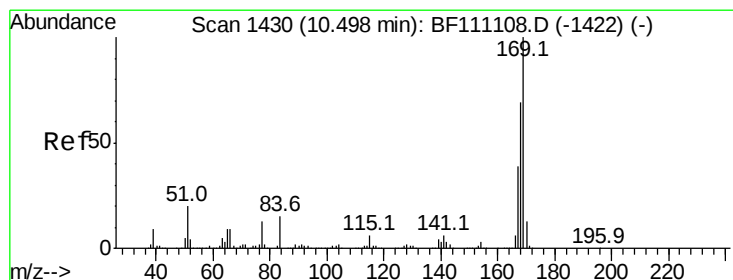
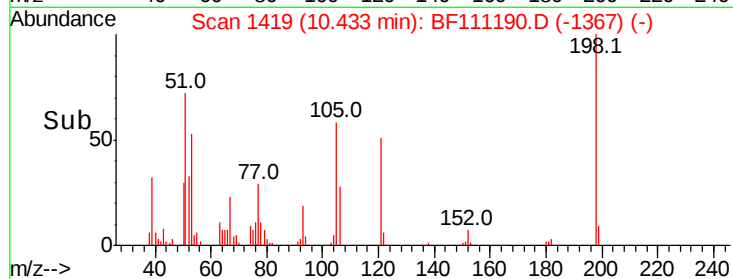
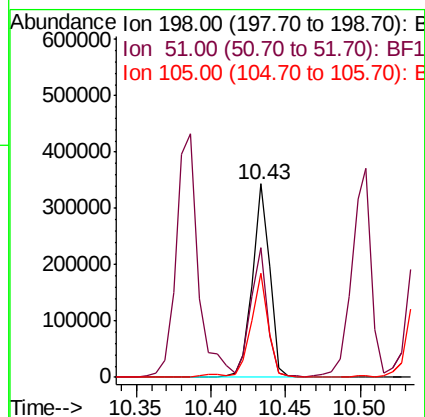
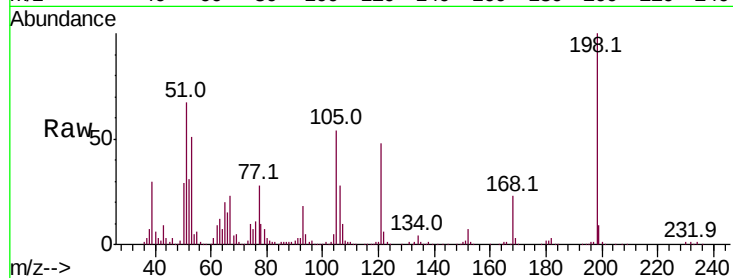
#65
4,6-Dinitro-2-methylphenol
Concen: 51.897 ng
RT: 10.43 min Scan# 1419
Delta R.T. 0.01 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Instrument :
BNA_F
ClientSampleId :
PB115343BS

Tot Ion	Ratio	Lower	Upper
198	100		
51	66.8	48.8	88.8
105	54.0	35.2	75.2

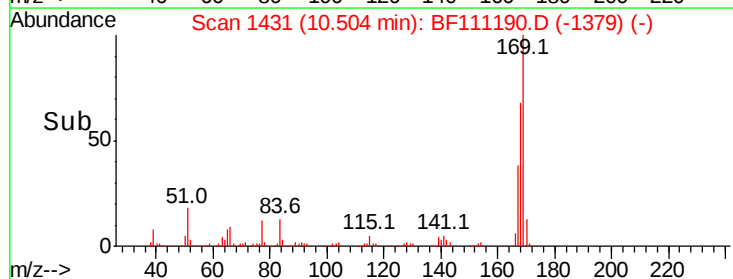
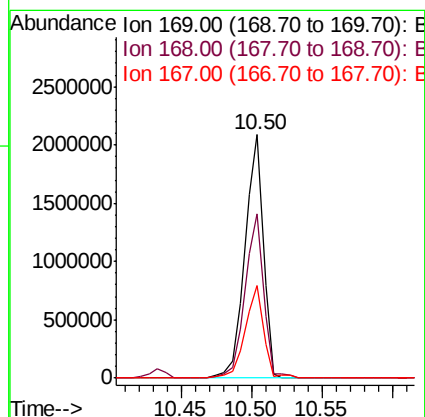
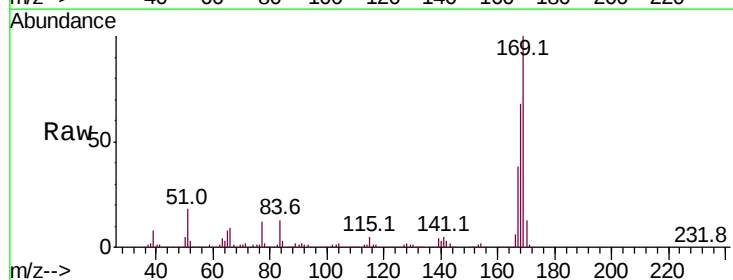
Manual Integrations
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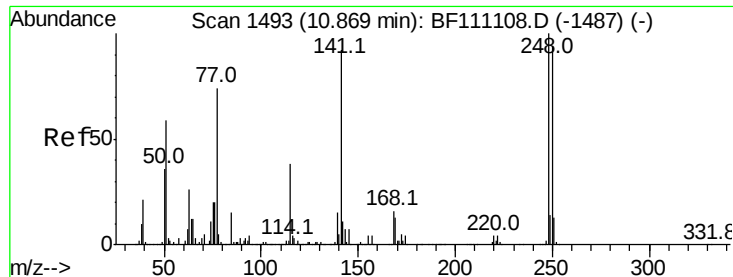
Sohil
12/11/2018 8:44:44 AM



#66
n-Nitrosodiphenylamine
Concen: 42.383 ng
RT: 10.50 min Scan# 1431
Delta R.T. 0.01 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Tgt Ion	Ratio	Lower	Upper
169	100		
168	67.7	55.4	83.2
167	37.9	31.1	46.7





#67

4-Bromophenyl-phenylether

Concen: 42.832 ng

RT: 10.87 min Scan# 1494

Delta R.T. 0.01 min

Lab File: BF111190.D

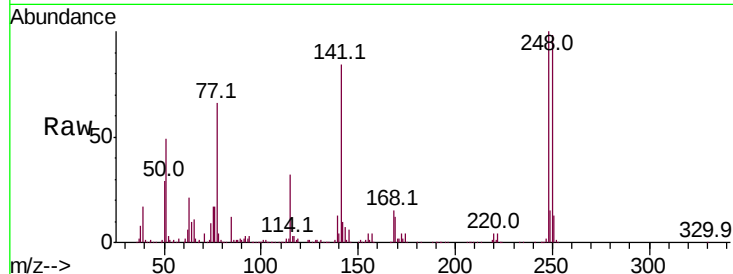
Acq: 7 Dec 2018 16:43

Instrument :
BNA_F
ClientSampleId :
PB115343BS

Tot Ion	Ratio	Lower	Upper
248	100		
250	98.2	75.4	113.0
141	84.2	73.8	110.6

Manual Integrations
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12/11/2018 8:44:44 AM

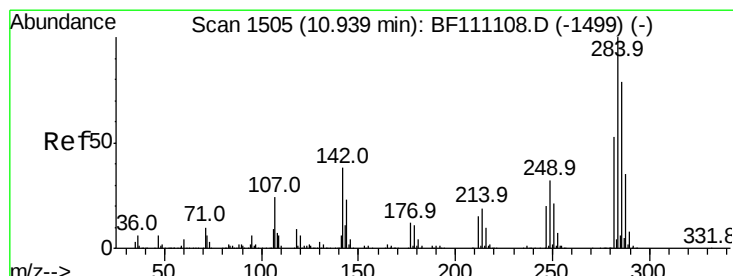
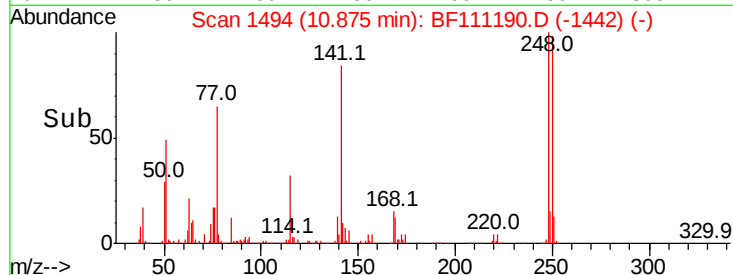
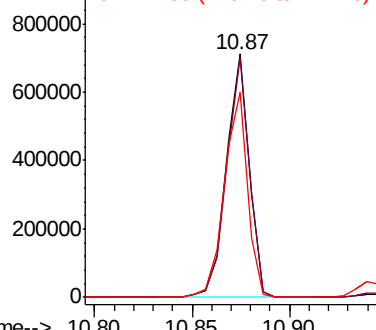


Abundance

Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68

Hexachlorobenzene

Concen: 43.327 ng

RT: 10.95 min Scan# 1506

Delta R.T. 0.01 min

Lab File: BF111190.D

Acq: 7 Dec 2018 16:43

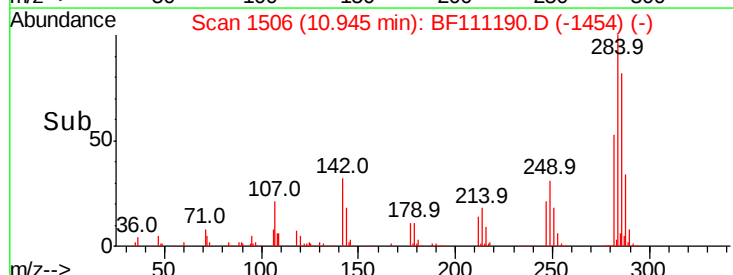
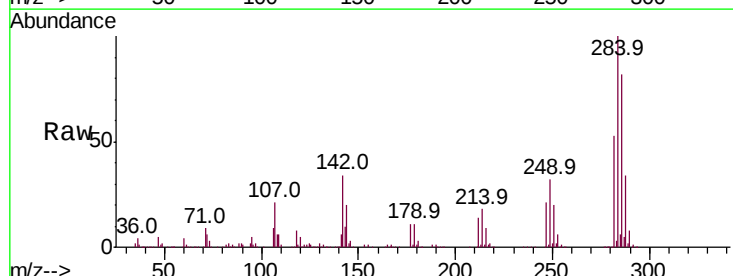
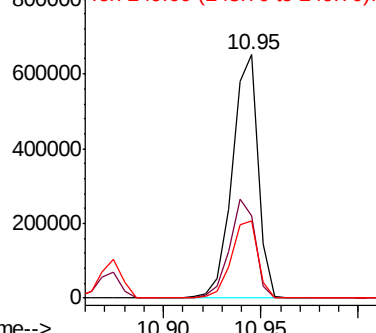
Tgt Ion	Ratio	Lower	Upper
284	100		
142	34.1	30.2	45.2
249	31.7	25.3	37.9

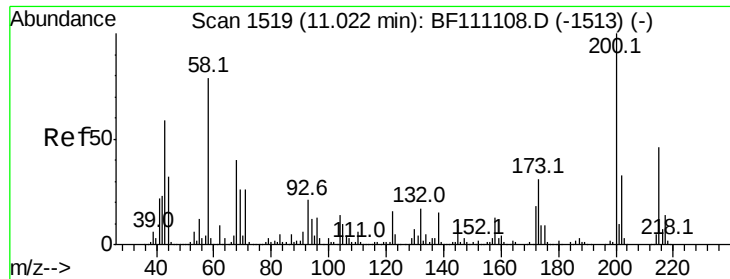
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





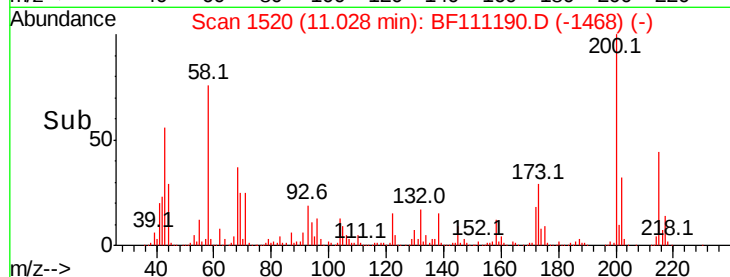
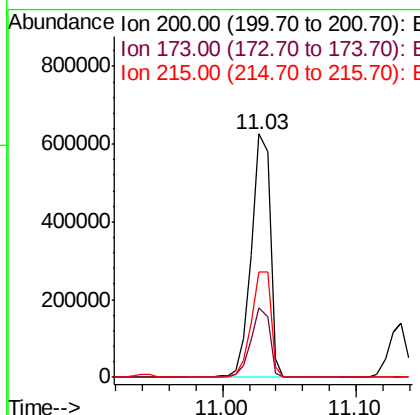
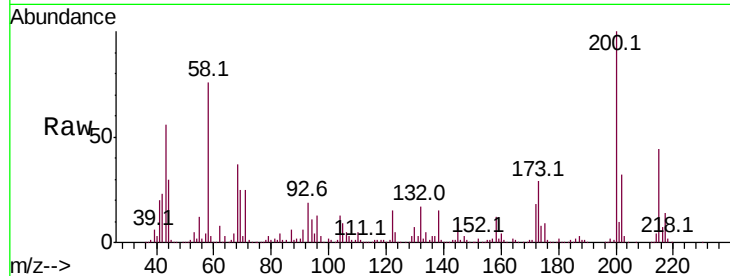
#69
Atrazine
Concen: 50.484 ng
RT: 11.03 min Scan# 1520
Delta R.T. 0.01 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Instrument :
BNA_F
ClientSampleId :
PB115343BS

Tot Ion	Ratio	Lower	Upper
200	100		
173	28.8	11.3	51.3
215	43.5	25.9	65.9

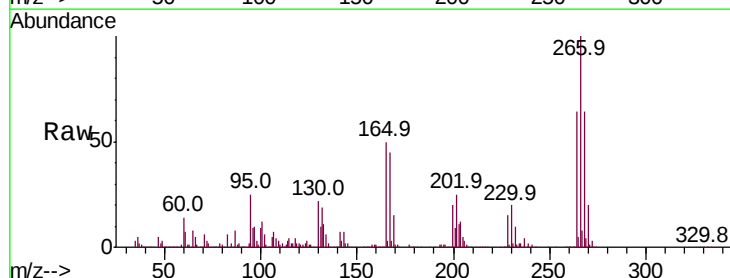
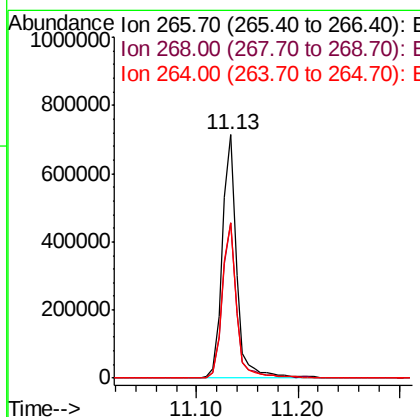
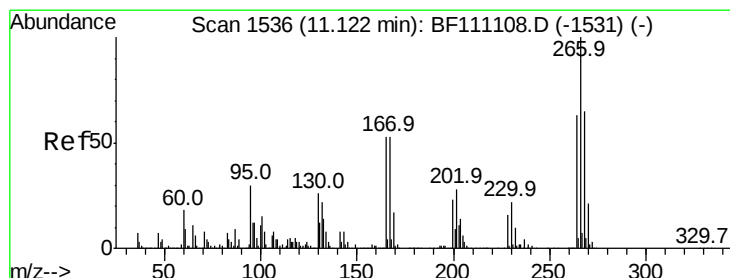
Manual Integrations
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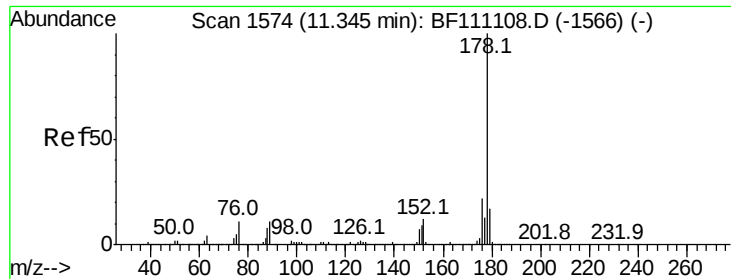
Sohil
12/11/2018 8:44:44 AM



#70
Pentachlorophenol
Concen: 77.653 ng
RT: 11.13 min Scan# 1538
Delta R.T. 0.01 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Tgt Ion	Ratio	Lower	Upper
266	100		
268	63.9	52.2	78.4
264	63.6	50.8	76.2





#71

Phenanthrene

Concen: 47.602 ng

RT: 11.35 min Scan# 1575

Delta R.T. 0.01 min

Lab File: BF111190.D

Acq: 7 Dec 2018 16:43

Instrument :

BNA_F

ClientSampleId :

PB115343BS

Tot Ion:178 Resp: 2914872

Ion Ratio Lower Upper

178 100

176 21.2 17.7 26.5

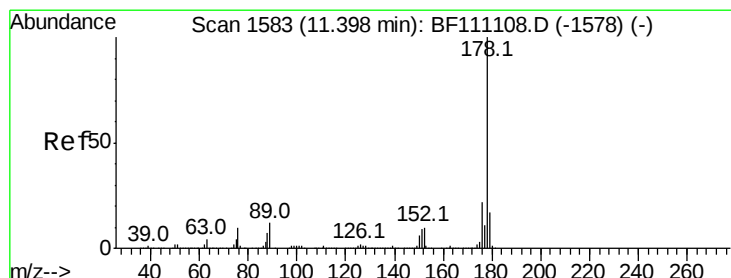
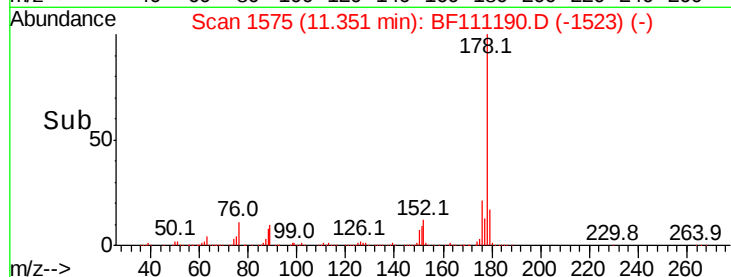
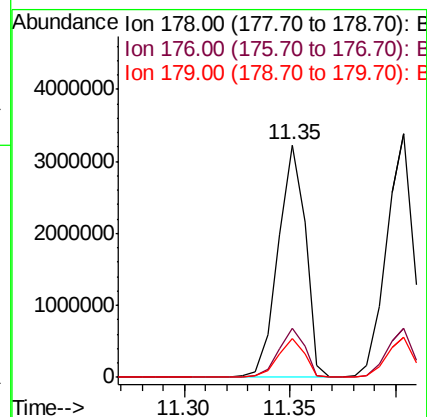
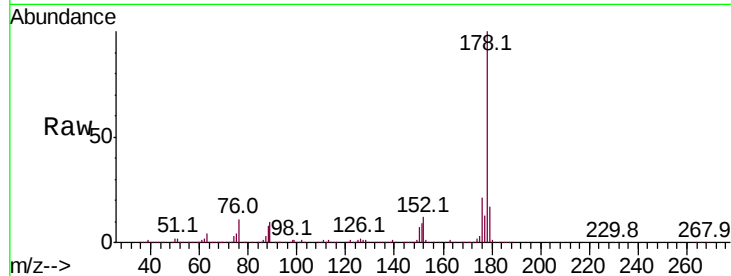
179 16.9 14.0 21.0

Manual Integrations

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Sohil

12/11/2018 8:44:44 AM



#72

Anthracene

Concen: 48.553 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.01 min

Lab File: BF111190.D

Acq: 7 Dec 2018 16:43

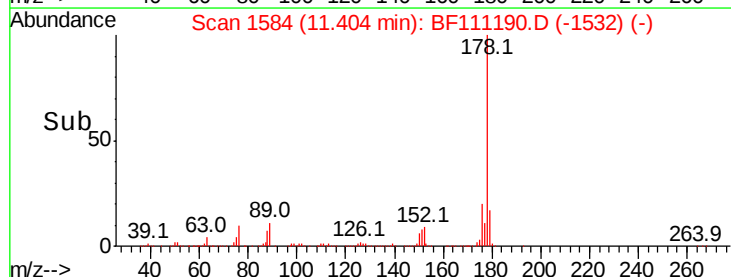
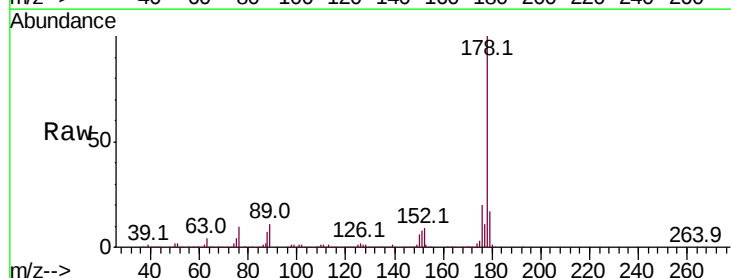
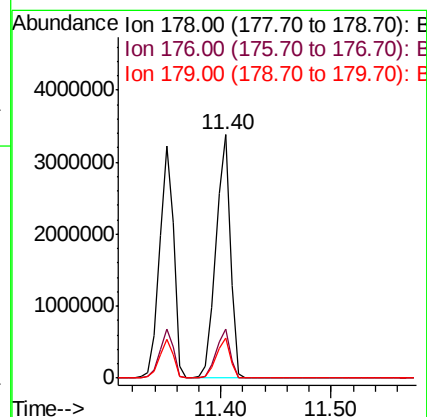
Tgt Ion:178 Resp: 2996903

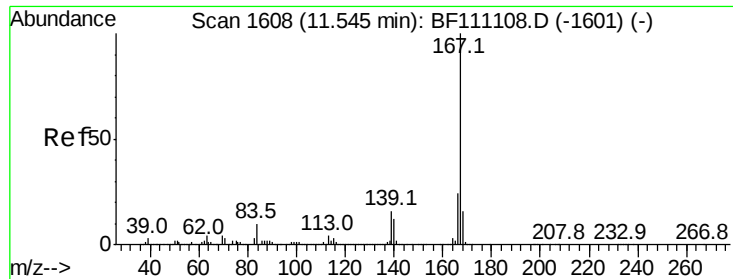
Ion Ratio Lower Upper

178 100

176 20.4 17.3 25.9

179 16.5 13.8 20.8





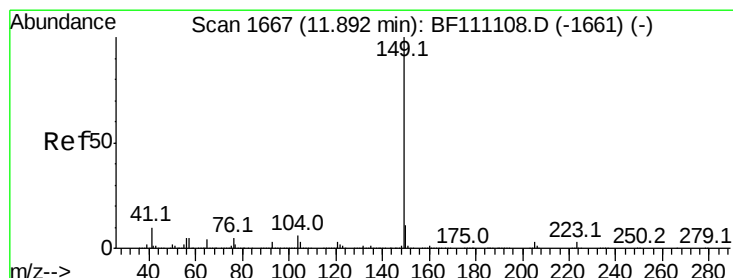
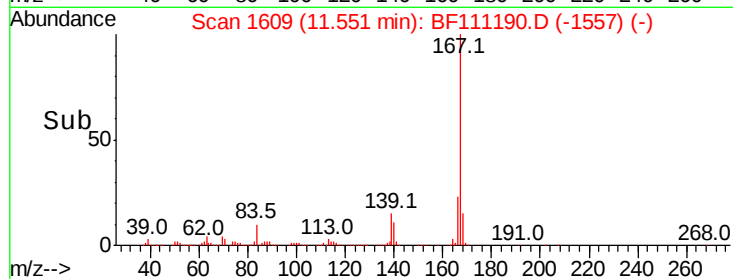
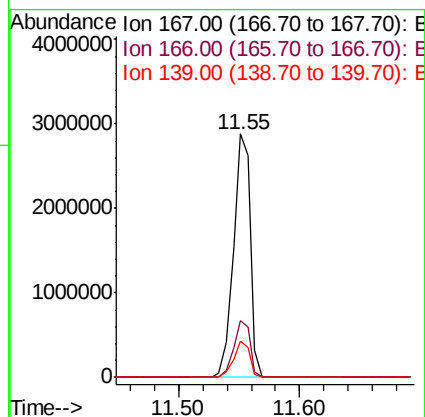
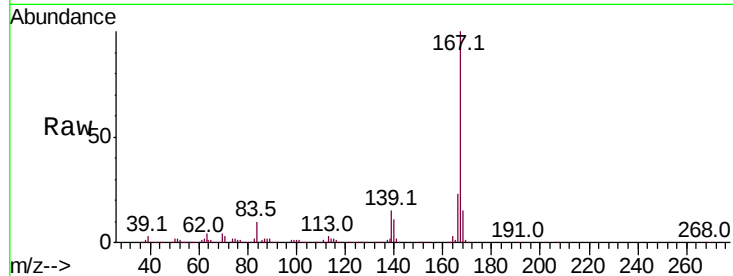
#73
 Carbazole
 Concen: 43.355 ng
 RT: 11.55 min Scan# 1609
 Delta R.T. 0.01 min
 Lab File: BF111190.D
 Acq: 7 Dec 2018 16:43

Instrument :
 BNA_F
 ClientSampleId :
 PB115343BS

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.1	19.4	29.0
139	14.7	12.6	18.8

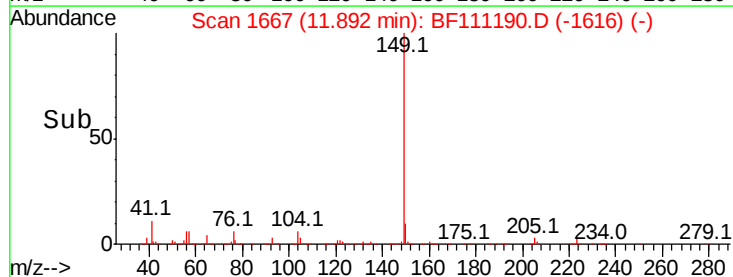
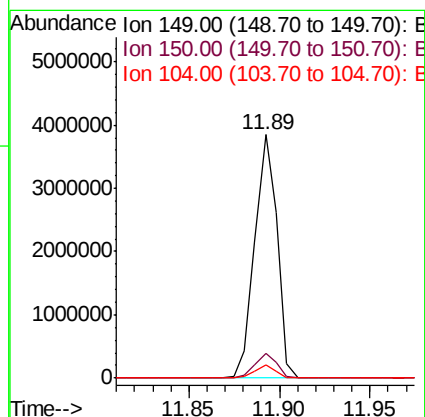
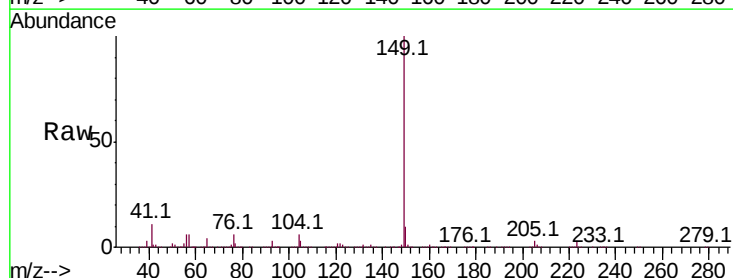
Manual Integrations
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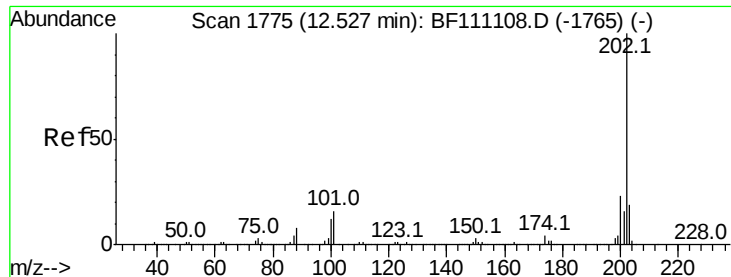
Sohil
 12/11/2018 8:44:44 AM



#74
 Di-n-butylphthalate
 Concen: 43.761 ng
 RT: 11.89 min Scan# 1667
 Delta R.T. 0.00 min
 Lab File: BF111190.D
 Acq: 7 Dec 2018 16:43

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.2	8.6	12.8
104	5.6	4.5	6.7





#75

Fluoranthene

Concen: 47.167 ng

RT: 12.54 min Scan# 1777

Delta R.T. 0.01 min

Lab File: BF111190.D

Acq: 7 Dec 2018 16:43

Instrument :

BNA_F

ClientSampleId :

PB115343BS

Tot Ion:202 Resp: 2826239

Ion Ratio Lower Upper

202 100

101 13.2 0.0 35.8

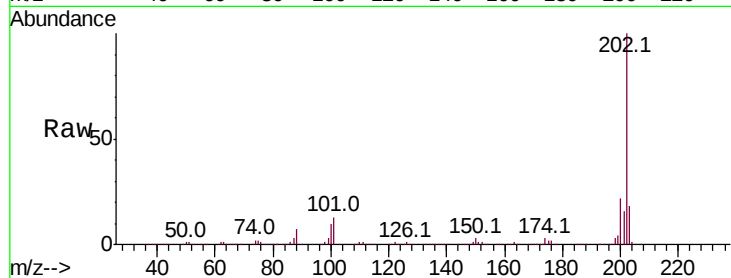
203 18.3 0.0 38.6

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Sohil

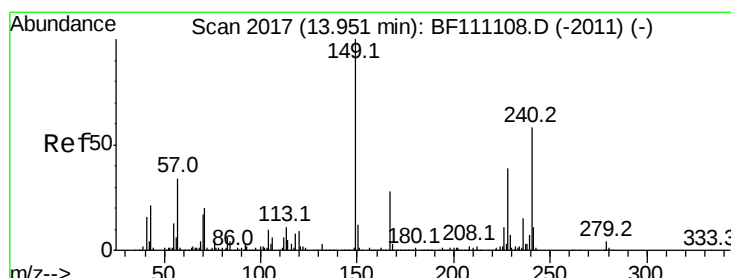
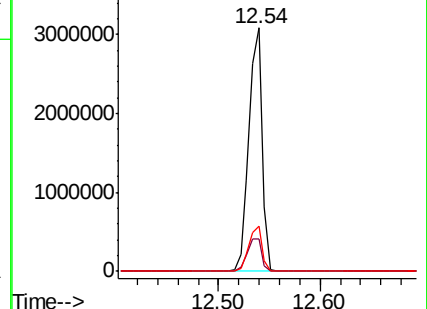
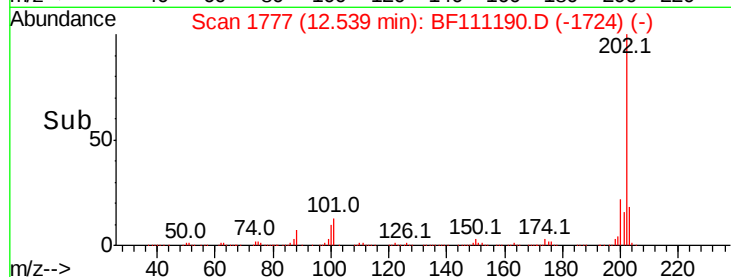
12/11/2018 8:44:44 AM



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2019

Delta R.T. 0.01 min

Lab File: BF111190.D

Acq: 7 Dec 2018 16:43

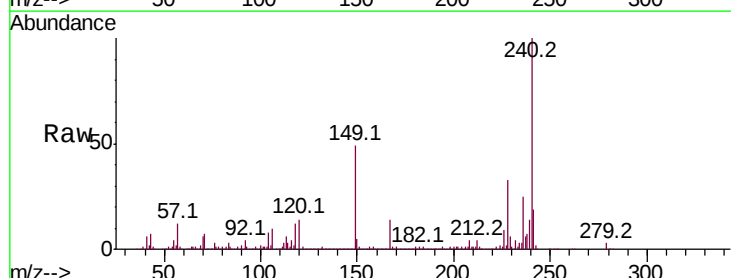
Tgt Ion:240 Resp: 799089

Ion Ratio Lower Upper

240 100

120 14.0 12.8 19.2

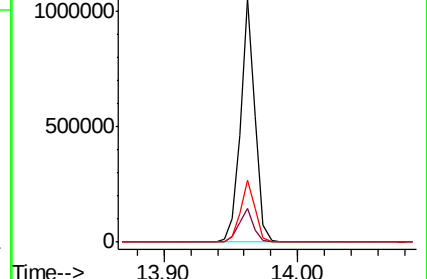
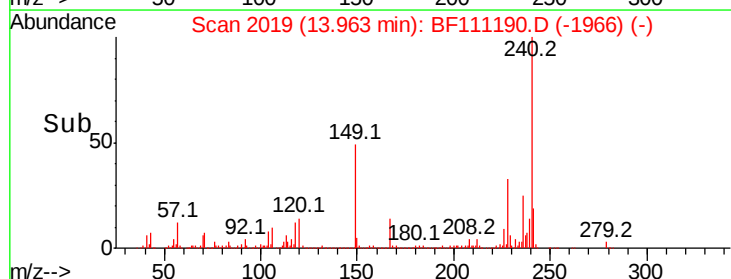
236 25.4 21.1 31.7

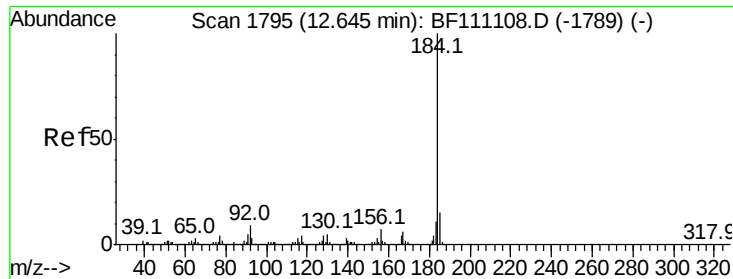


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 48.718 ng

RT: 12.65 min Scan# 1796

Delta R.T. 0.01 min

Lab File: BF111190.D

Acq: 7 Dec 2018 16:43

Instrument :

BNA_F

ClientSampleId :

PB115343BS

Tot Ion:184 Resp: 1298221

Ion Ratio Lower Upper

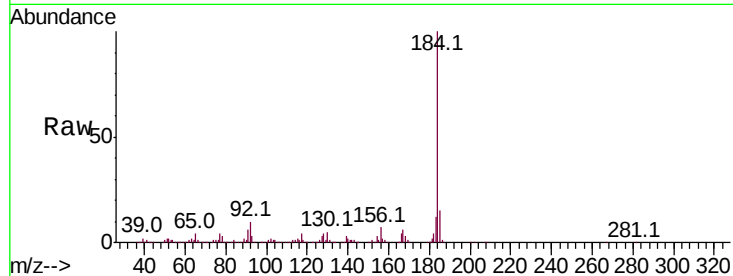
184 100

185 15.0 12.0 18.0

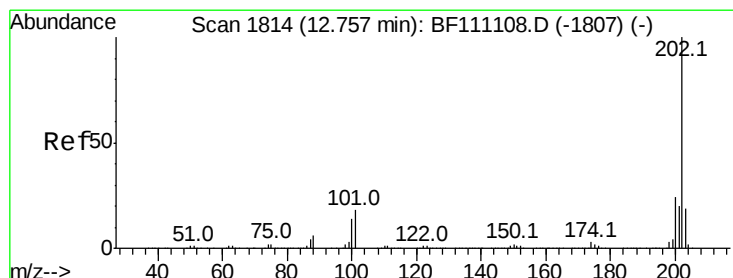
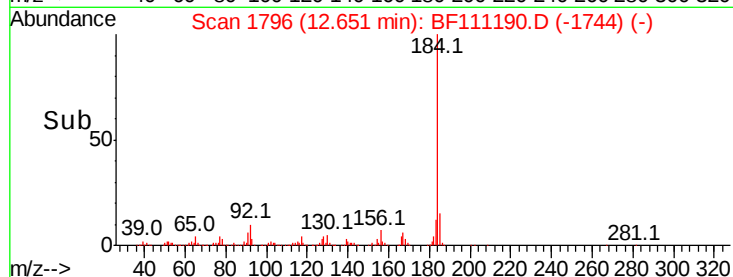
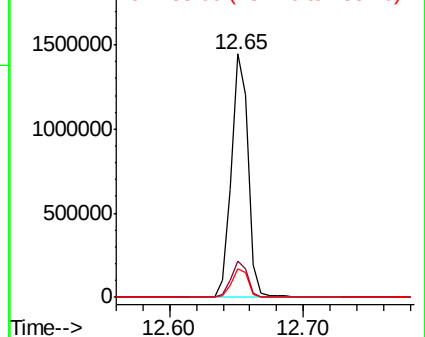
183 11.7 8.9 13.3

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Abundance Ion 184.00 (183.70 to 184.70): E
2000000 Ion 185.00 (184.70 to 185.70): E
Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 46.294 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.01 min

Lab File: BF111190.D

Acq: 7 Dec 2018 16:43

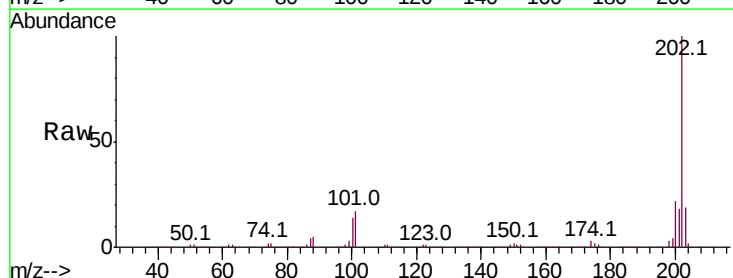
Tgt Ion:202 Resp: 2882049

Ion Ratio Lower Upper

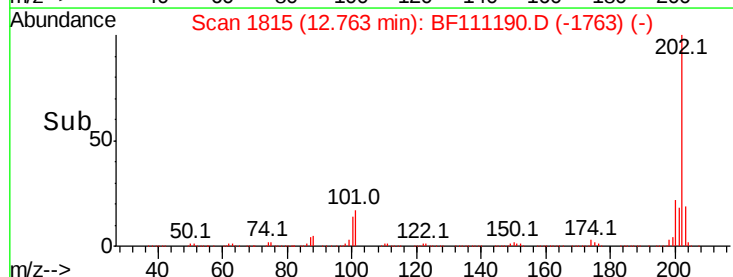
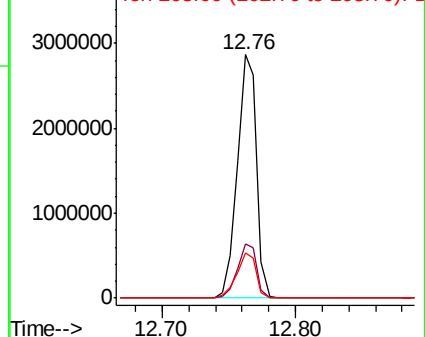
202 100

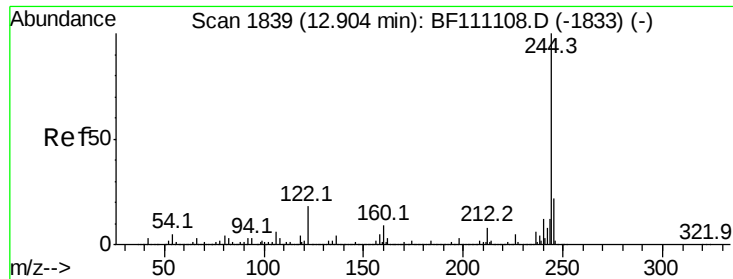
200 22.1 19.3 28.9

203 18.5 15.4 23.2



Abundance Ion 202.00 (201.70 to 202.70): E
4000000 Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E





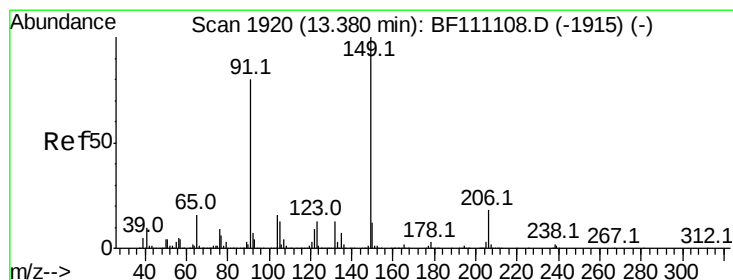
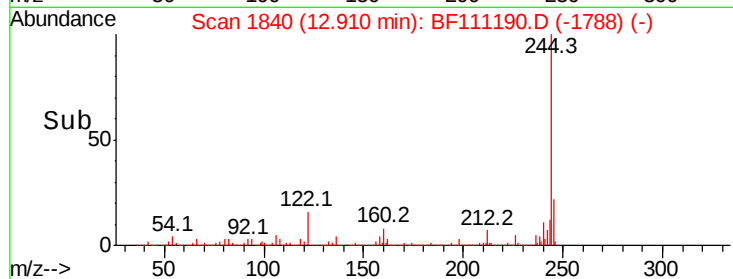
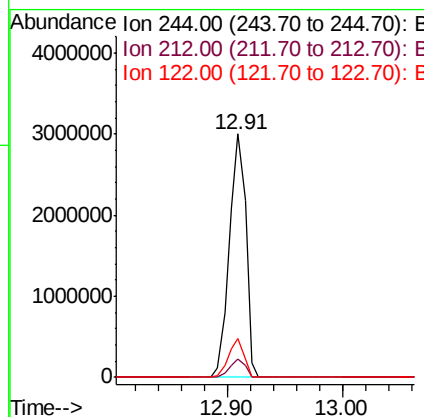
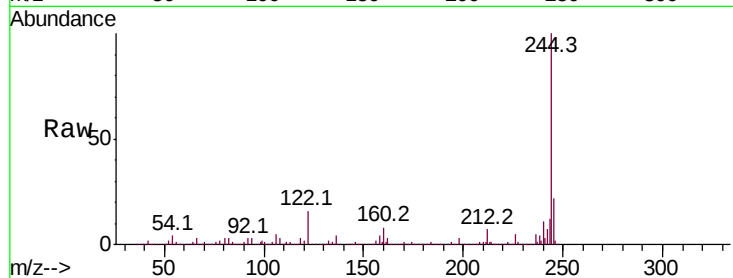
#79
Terphenyl-d14
Concen: 76.107 ng
RT: 12.91 min Scan# 1840
Delta R.T. 0.01 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Instrument :
BNA_F
ClientSampleId :
PB115343BS

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.4	6.6	9.8
122	15.9	14.2	21.2

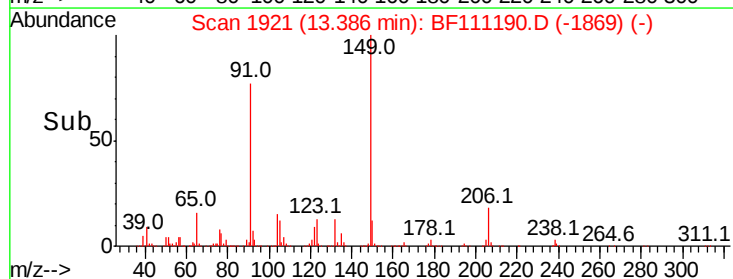
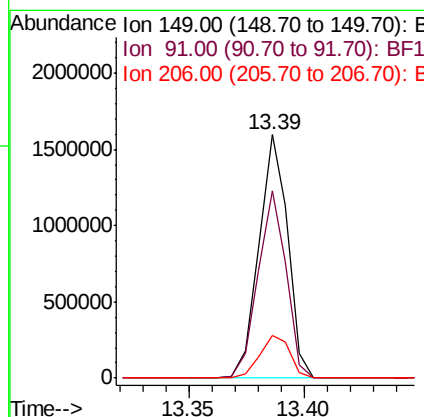
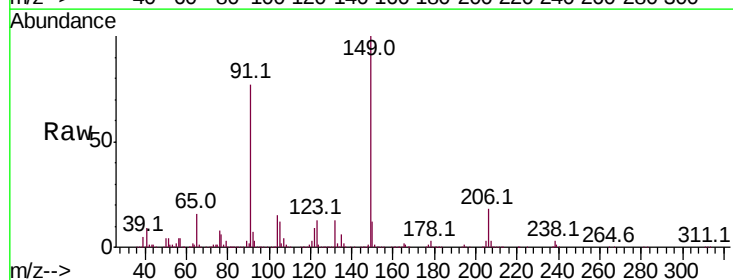
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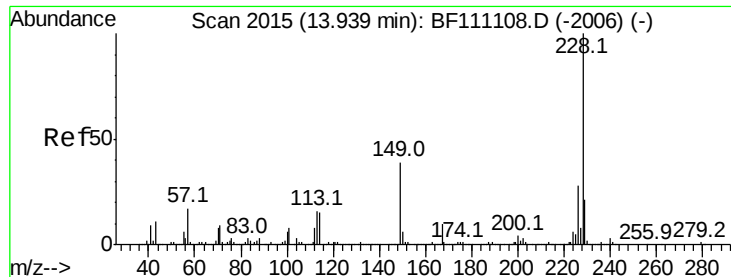
Sohil
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#80
Butylbenzylphthalate
Concen: 46.111 ng
RT: 13.39 min Scan# 1921
Delta R.T. 0.01 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Tgt Ion	Ratio	Lower	Upper
149	100		
91	76.7	64.0	96.0
206	17.5	14.1	21.1





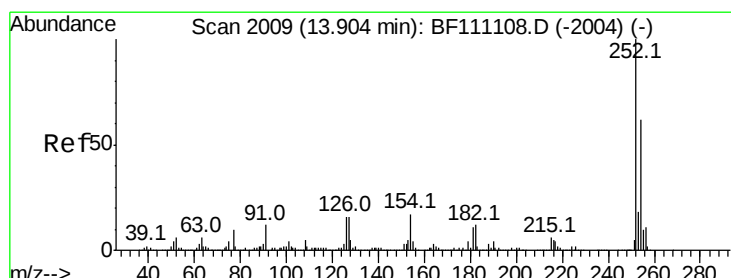
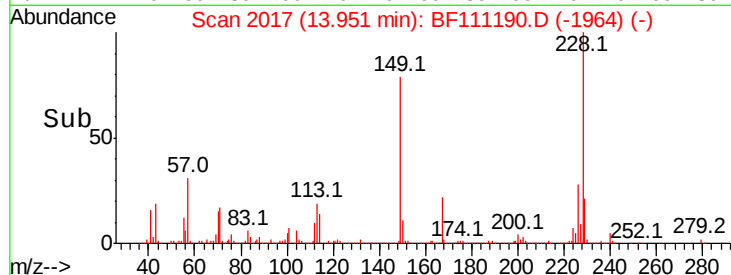
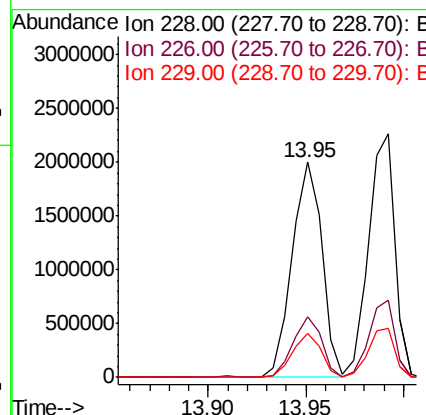
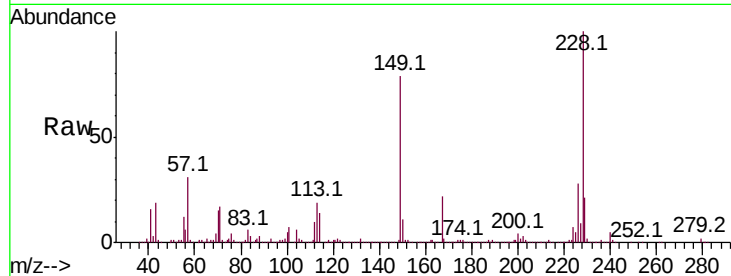
#81
Benzo(a)anthracene
Concen: 45.320 ng
RT: 13.95 min Scan# 2017
Delta R.T. 0.01 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Instrument :
BNA_F
ClientSampleId :
PB115343BS

Tot Ion	Ratio	Lower	Upper
228	100		
226	28.2	22.6	34.0
229	20.6	16.7	25.1

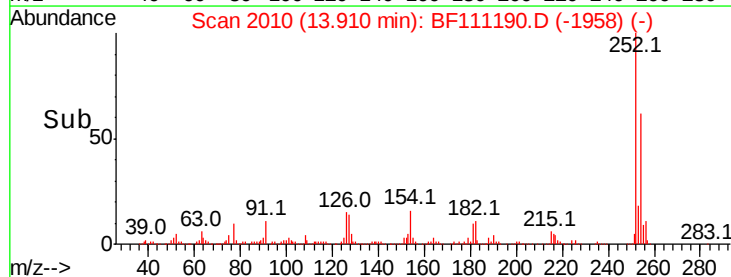
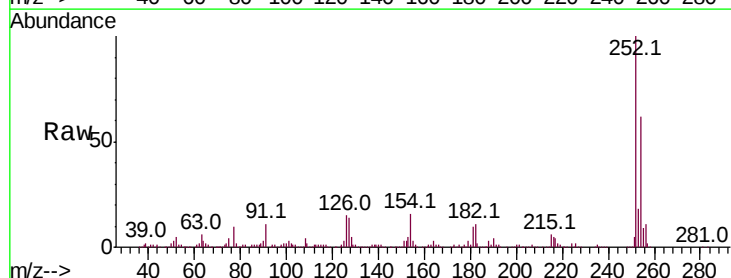
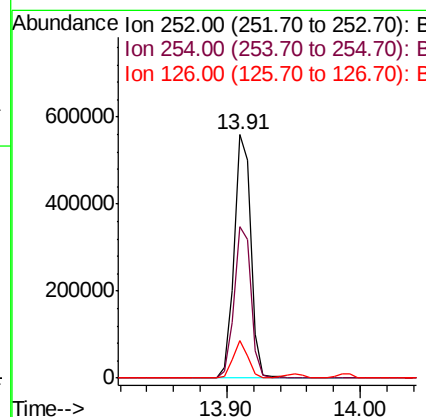
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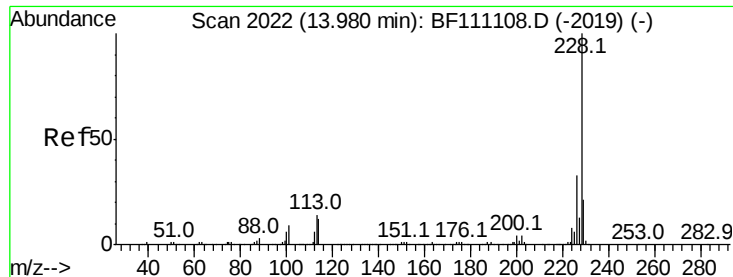
Sohil
12/11/2018 8:44:44 AM



#82
3,3'-Dichlorobenzidine
Concen: 28.192 ng
RT: 13.91 min Scan# 2010
Delta R.T. 0.01 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Tgt Ion	Ratio	Lower	Upper
252	100		
254	62.4	49.8	74.8
126	15.4	12.9	19.3





#83

Chrvsene

Concen: 45.401 ng

RT: 13.99 min Scan# 2024

Delta R.T. 0.01 min

Lab File: BF111190.D

Acq: 7 Dec 2018 16:43

Instrument :

BNA_F

ClientSampleId :

PB115343BS

Tot Ion:228 Resp: 2110179

Ion Ratio Lower Upper

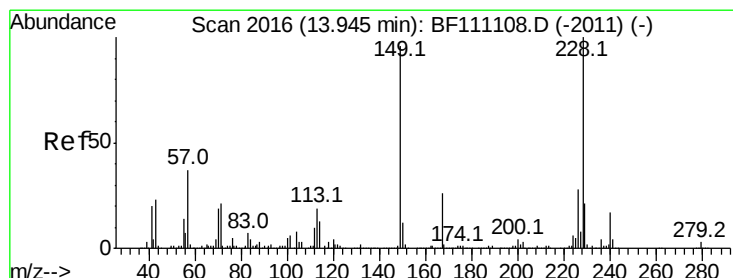
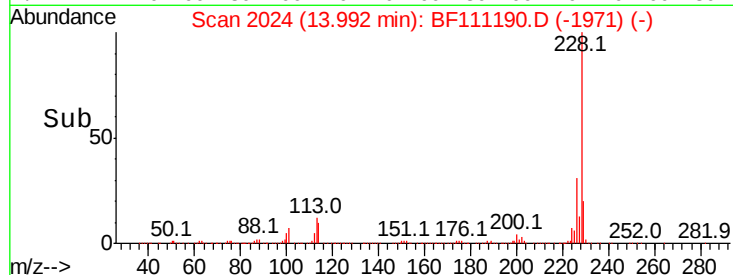
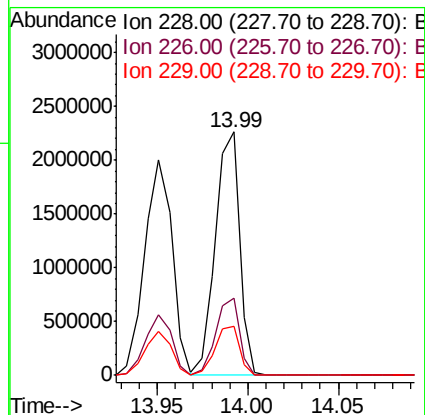
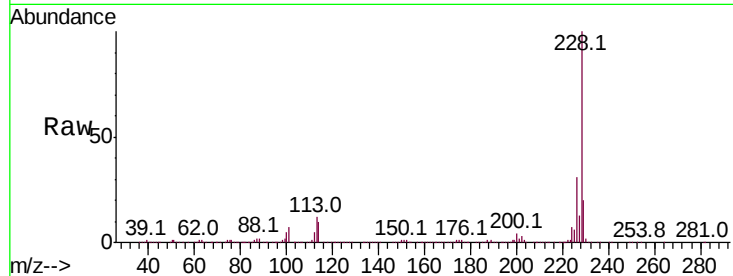
228 100

226 31.5 26.2 39.2

229 20.2 16.9 25.3

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#84

Bis(2-ethylhexyl)phthalate

Concen: 43.638 ng

RT: 13.96 min Scan# 2018

Delta R.T. 0.01 min

Lab File: BF111190.D

Acq: 7 Dec 2018 16:43

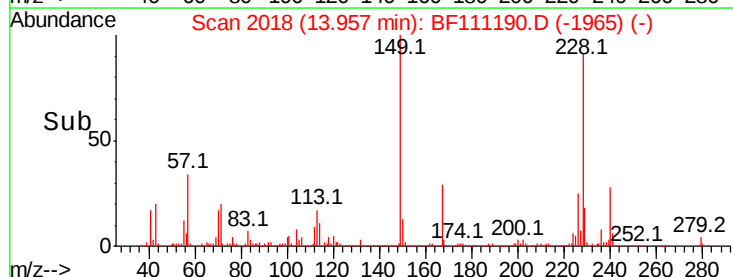
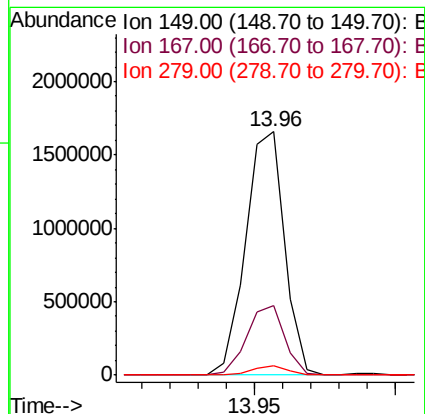
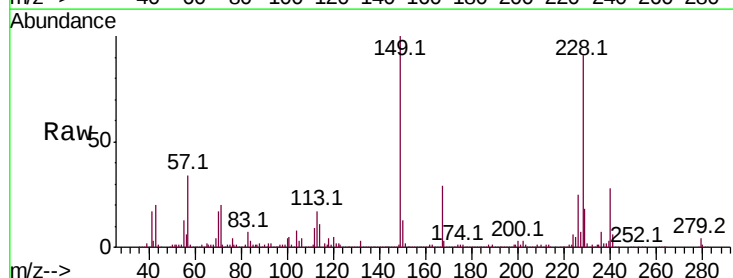
Tgt Ion:149 Resp: 1585216

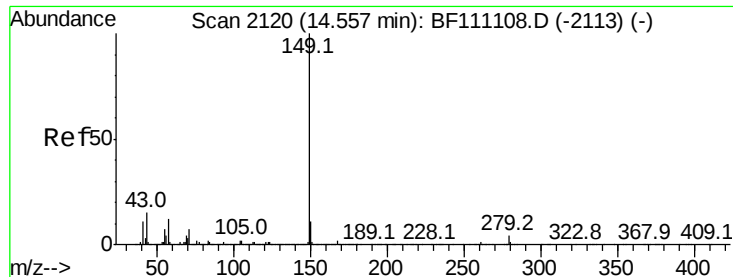
Ion Ratio Lower Upper

149 100

167 28.7 21.6 32.4

279 3.8 2.3 3.5#





#85

Di-n-octyl phthalate

Concen: 45.833 ng

RT: 14.57 min Scan# 2123

Delta R.T. 0.02 min

Lab File: BF111190.D

Acq: 7 Dec 2018 16:43

Instrument :

BNA_F

ClientSampleId :

PB115343BS

Tot Ion:149 Resp: 2617360

Ion Ratio Lower Upper

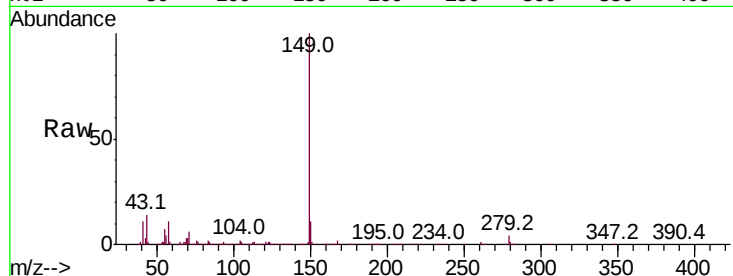
149 100

167 1.5 1.3 1.9

43 13.5 11.9 17.9

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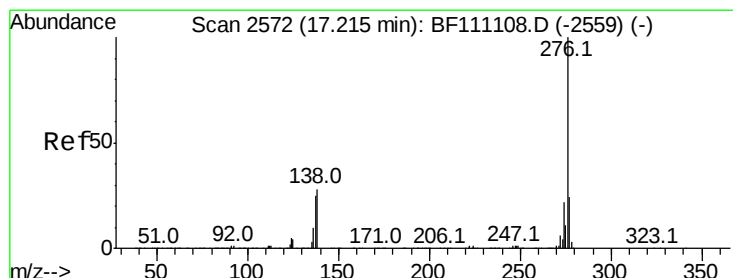
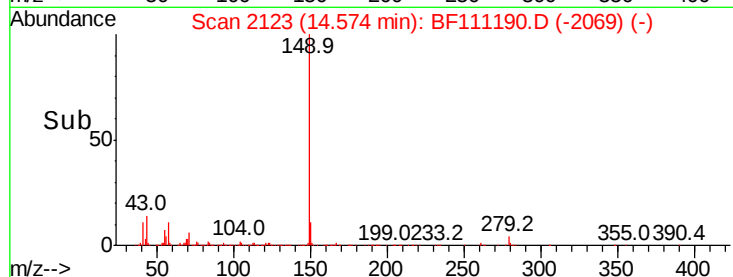
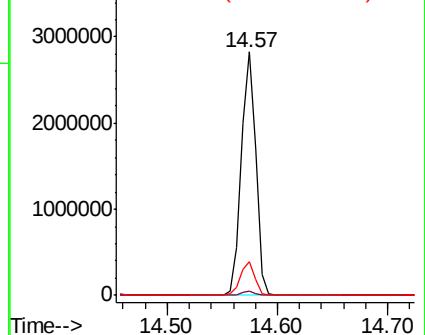
Sohil
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Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 43.502 ng

RT: 16.83 min Scan# 2506

Delta R.T. 0.04 min

Lab File: BF111190.D

Acq: 7 Dec 2018 16:43

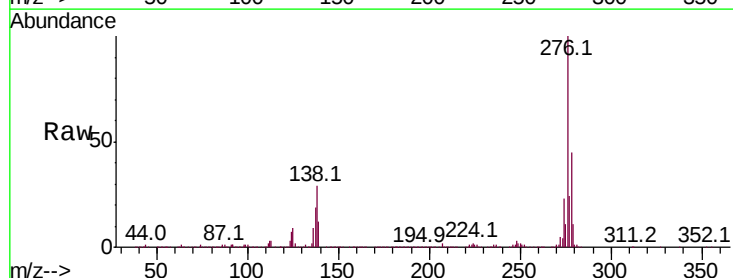
Tgt Ion:276 Resp: 1623397

Ion Ratio Lower Upper

276 100

138 32.1 20.2 30.4#

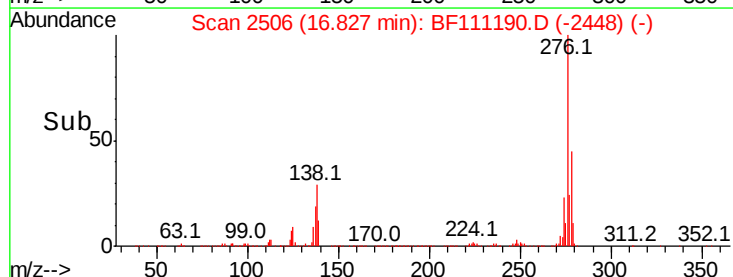
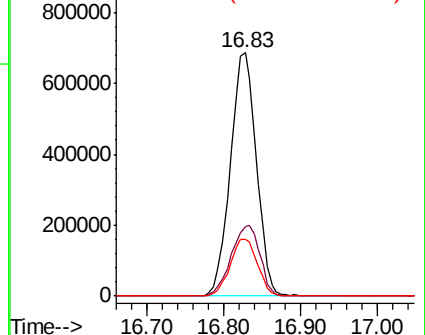
277 24.5 15.8 23.6#

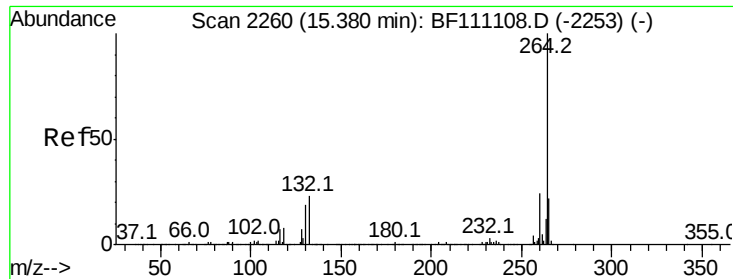


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.40 min Scan# 2264

Delta R.T. 0.02 min

Lab File: BF111190.D

Acq: 7 Dec 2018 16:43

Instrument :

BNA_F

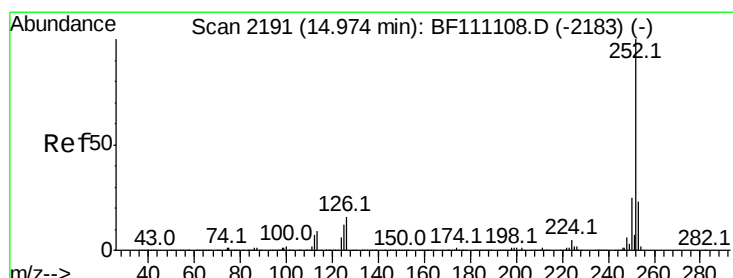
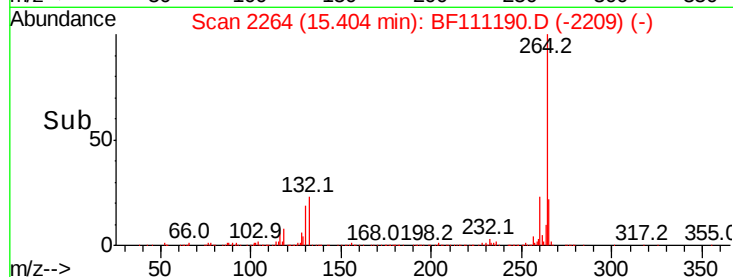
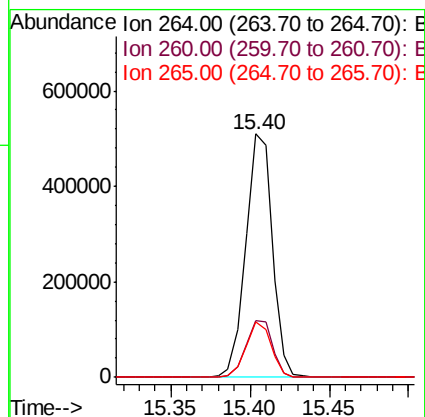
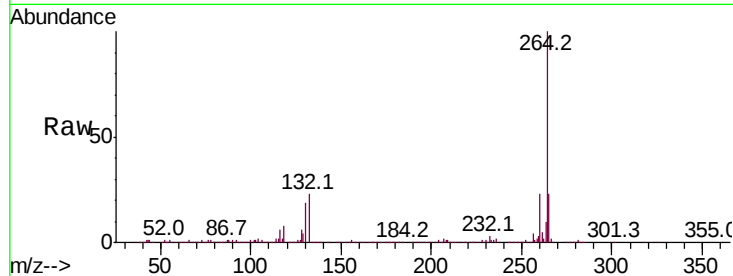
ClientSampleId :

PB115343BS

Tot Ion:	264	Resp:	592003
Ion Ratio	Lower	Upper	
264	100		
260	23.4	19.4	29.0
265	22.5	17.4	26.0

Manual Integrations
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#88

Benzo(b)fluoranthene

Concen: 52.293 ng

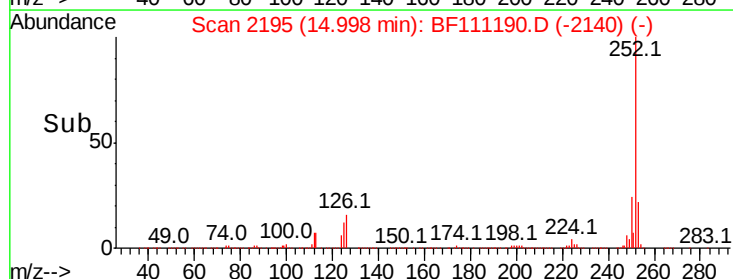
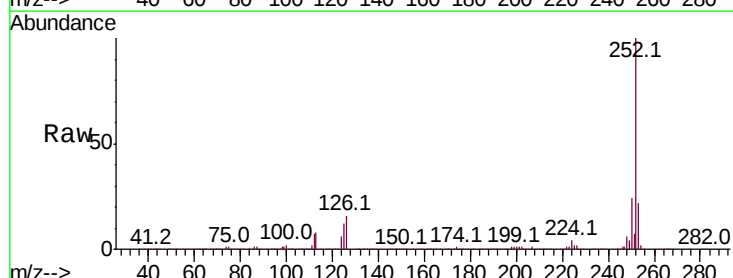
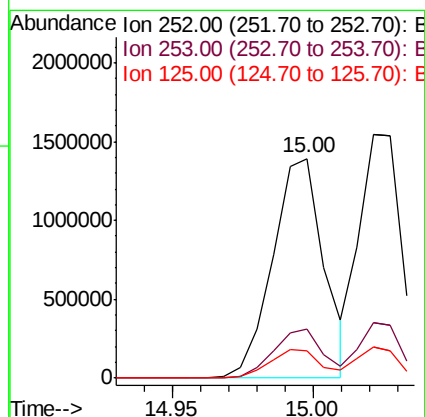
RT: 15.00 min Scan# 2195

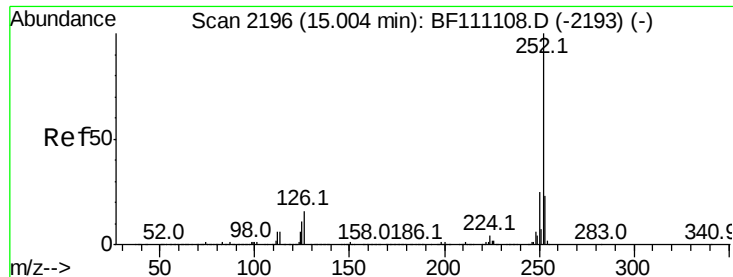
Delta R.T. 0.02 min

Lab File: BF111190.D

Acq: 7 Dec 2018 16:43

Tgt Ion:	252	Resp:	1754196
Ion Ratio	Lower	Upper	
252	100		
253	22.2	18.5	27.7
125	12.2	9.9	14.9





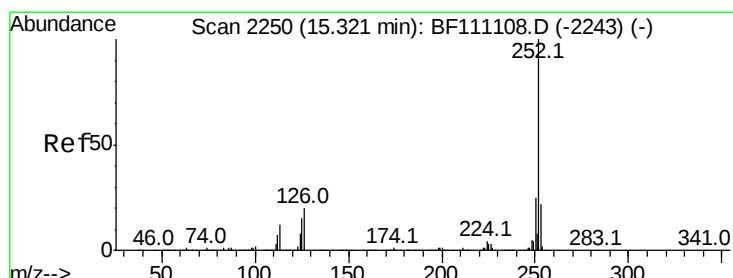
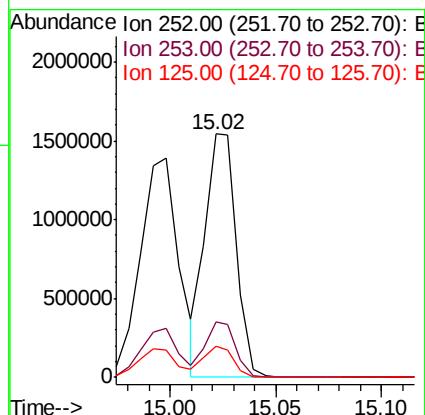
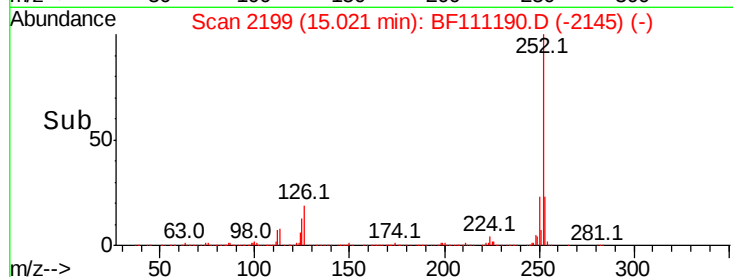
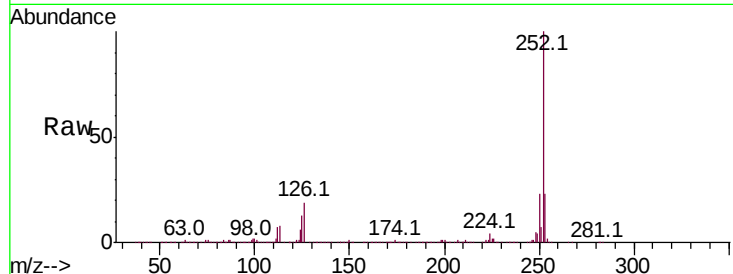
#89
Benzo(k)fluoranthene
Concen: 48.958 ng
RT: 15.02 min Scan# 2199
Delta R.T. 0.02 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Instrument :
BNA_F
ClientSampleId :
PB115343BS

Tot Ion:252 Resp: 1587678
Ion Ratio Lower Upper
252 100
253 22.7 18.2 27.4
125 13.0 9.9 14.9

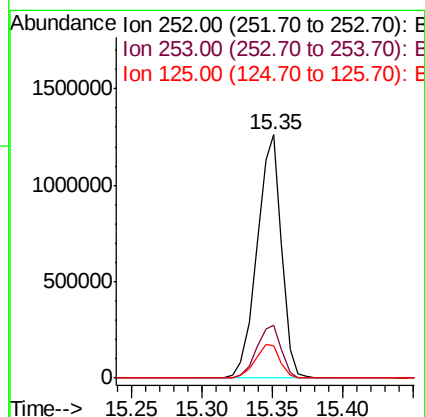
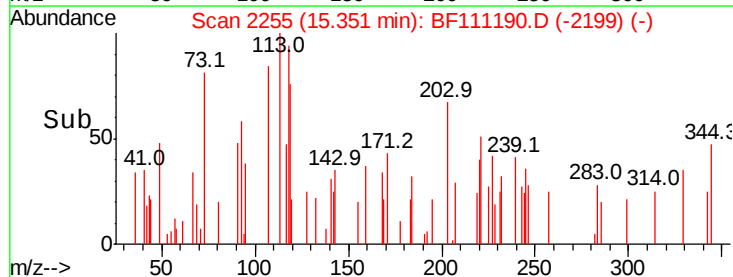
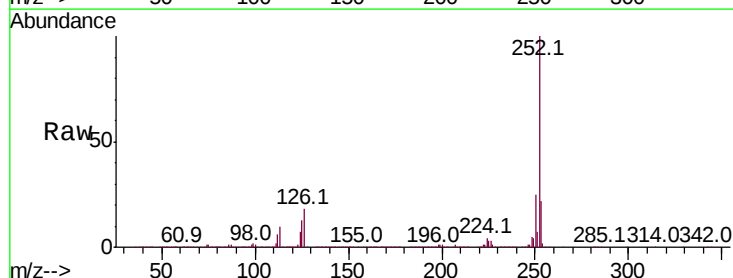
Manual Integrations
APPROVED

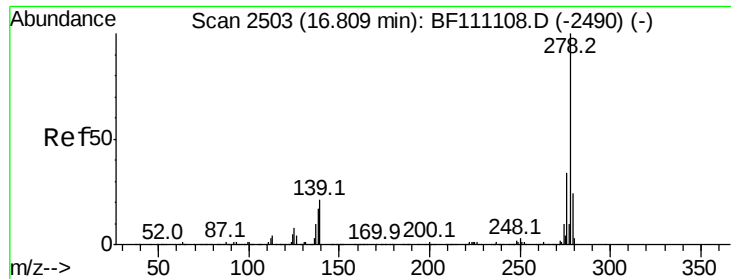
Sohil
12/11/2018 8:44:44 AM



#90
Benzo(a)pyrene
Concen: 49.835 ng
RT: 15.35 min Scan# 2255
Delta R.T. 0.03 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Tgt Ion:252 Resp: 1533394
Ion Ratio Lower Upper
252 100
253 21.7 17.5 26.3
125 13.3 12.4 18.6





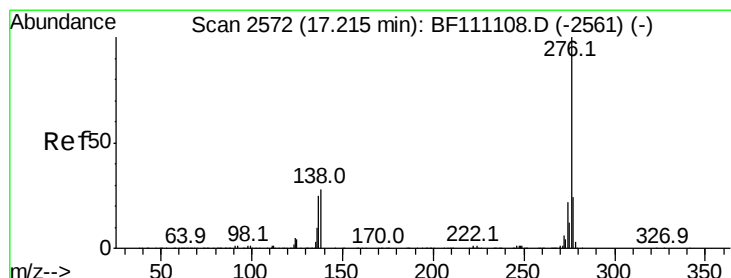
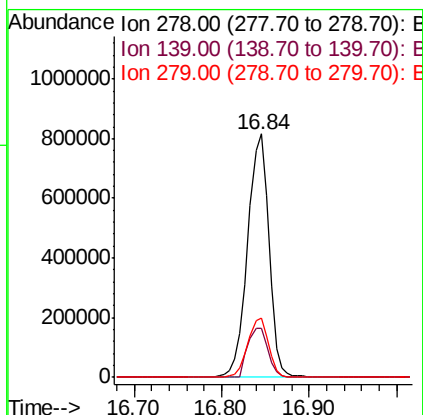
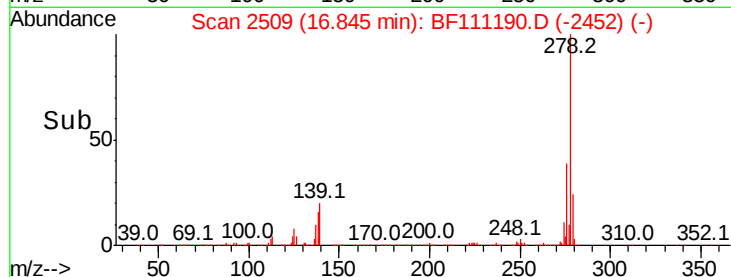
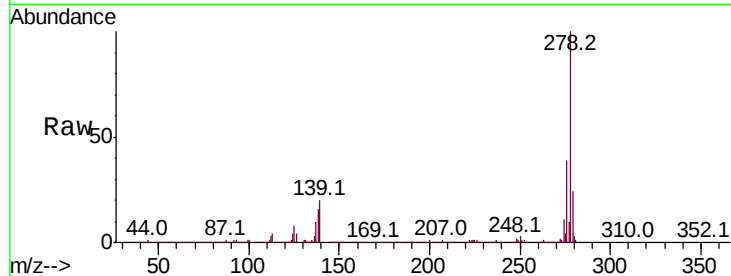
#91
Dibenzo(a,h)anthracene
Concen: 51.912 ng
RT: 16.84 min Scan# 2509
Delta R.T. 0.04 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Instrument :
BNA_F
ClientSampleId :
PB115343BS

Tot Ion:278 Resp: 1340430
Ion Ratio Lower Upper
278 100
139 20.2 16.6 25.0
279 24.2 18.8 28.2

Manual Integrations
APPROVED

Sohil
12/11/2018 8:44:44 AM



#92
Benzo(g,h,i)perylene
Concen: 53.517 ng
RT: 17.26 min Scan# 2579
Delta R.T. 0.04 min
Lab File: BF111190.D
Acq: 7 Dec 2018 16:43

Tgt Ion:276 Resp: 1388651
Ion Ratio Lower Upper
276 100
277 22.7 19.3 28.9
138 26.6 22.3 33.5

