

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF120618\
 Data File : BF111144.D
 Acq On : 6 Dec 2018 18:05
 Operator : JU/SJ
 Sample : J6233-03MSD
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-2MSD

Manual Integrations
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mohammad
 12/10/2018 12:19:02 PM

Quant Time: Dec 07 11:39:21 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF120518.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 05 17:30:55 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.80	152	484036	20.00	ng	0.00
21) Naphthalene-d8	8.09	136	1937347	20.00	ng	0.00
39) Acenaphthene-d10	9.85	164	917424	20.00	ng	0.00
64) Phenanthrene-d10	11.33	188	1543503	20.00	ng	0.00
76) Chrysene-d12	13.96	240	789204	20.00	ng	0.00
87) Perylene-d12	15.39	264	893489	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.43	112	3609995	116.38	ng	0.01
7) Phenol-d6	6.45	99	4722578	118.19	ng	0.01
23) Nitrobenzene-d5	7.37	82	3056495	93.40	ng	0.00
42) 2,4,6-Tribromophenol	10.63	330	974463	133.63	ng	0.00
45) 2-Fluorobiphenyl	9.17	172	4611441	94.68	ng	0.00
79) Terphenyl-d14	12.91	244	3584414	93.02	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.59	88	526481	29.508	ng	97
3) Pyridine	3.33	79	1253626	31.680	ng	97
4) n-Nitrosodimethylamine	3.25	42	839122	43.069	ng	100
6) Aniline	6.47	93	866130	16.224	ng	99
8) 2-Chlorophenol	6.59	128	1450253	40.563	ng	95
9) Benzaldehyde	6.35	77	723620	31.806	ng	97
10) Phenol	6.46	94	2004932m	46.018	ng	
11) bis(2-Chloroethyl)ether	6.55	93	1392857	39.115	ng	97
12) 1,3-Dichlorobenzene	6.75	146	1475294	38.799	ng	96
13) 1,4-Dichlorobenzene	6.83	146	1503863	39.301	ng	96
14) 1,2-Dichlorobenzene	6.98	146	1397938	39.273	ng	99
15) Benzyl Alcohol	6.95	79	1305948	41.249	ng	99
16) 2,2'-oxybis(1-Chloropropan	7.09	45	2749752	39.697	ng	99
17) 2-Methylphenol	7.06	107	1229531	41.894	ng	99
18) Hexachloroethane	7.32	117	572142	39.858	ng	98
19) n-Nitroso-di-n-propylamine	7.23	70	1053151	39.220	ng	95
20) 3+4-Methylphenols	7.22	107	1453621	40.609	ng	93
22) Acetophenone	7.22	105	1958754	41.838	ng	# 92
24) Nitrobenzene	7.39	77	1528684	43.423	ng	99
25) Isophorone	7.63	82	2813881	46.855	ng	99
26) 2-Nitrophenol	7.70	139	761787	51.212	ng	93
27) 2,4-Dimethylphenol	7.75	122	1333239	47.591	ng	98
28) bis(2-Chloroethoxy)methane	7.84	93	1782458	43.843	ng	99
29) 2,4-Dichlorophenol	7.95	162	1216767	44.118	ng	97
30) 1,2,4-Trichlorobenzene	8.03	180	1163755	41.805	ng	98
31) Naphthalene	8.11	128	3910164	46.357	ng	99
32) Benzoic acid	7.83	122	395938	21.433	ng	95
33) 4-Chloroaniline	8.15	127	241718	5.928	ng	95
34) Hexachlorobutadiene	8.23	225	616414	40.746	ng	99
35) Caprolactam	8.52	113	392215m	38.733	ng	
36) 4-Chloro-3-methylphenol	8.64	107	1326918	43.924	ng	97
37) 2-Methylnaphthalene	8.80	142	2692888	46.283	ng	99
38) 1-Methylnaphthalene	8.90	142	2570703	45.956	ng	100
40) 1,2,4,5-Tetrachlorobenzene	8.97	216	956402	39.115	ng	98

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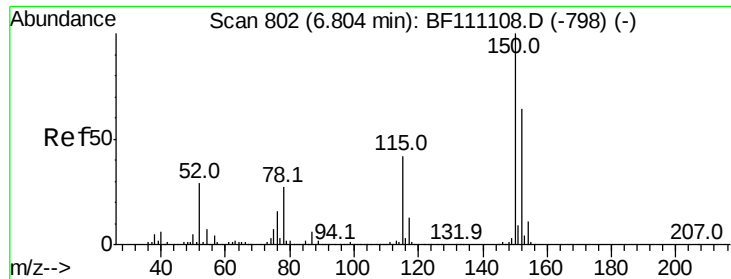
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.96	237	1106243	85.803	ng	97
43) 2,4,6-Trichlorophenol	9.08	196	811225	45.426	ng	100
44) 2,4,5-Trichlorophenol	9.12	196	838849	46.338	ng	99
46) 1,1'-Biphenyl	9.27	154	2988625	39.794	ng	99
47) 2-Chloronaphthalene	9.29	162	2417877	41.431	ng	98
48) 2-Nitroaniline	9.38	65	856483	45.286	ng	94
49) Acenaphthylene	9.70	152	3771035	46.228	ng	99
50) Dimethylphthalate	9.57	163	3313758	51.900	ng	99
51) 2,6-Dinitrotoluene	9.62	165	661556	48.870	ng	87
52) Acenaphthene	9.88	154	2386698	44.287	ng	99
53) 3-Nitroaniline	9.79	138	317784	18.689	ng	95
54) 2,4-Dinitrophenol	9.89	184	321895	75.457	ng	# 75
55) Dibenzofuran	10.05	168	3264723	43.982	ng	99
56) 4-Nitrophenol	9.95	139	1055249	82.354	ng	96
57) 2,4-Dinitrotoluene	10.03	165	884185	50.574	ng	# 99
58) Fluorene	10.39	166	2454681	46.895	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.17	232	662214	49.012	ng	93
60) Diethylphthalate	10.27	149	2827278	44.309	ng	99
61) 4-Chlorophenyl-phenylether	10.39	204	1117626	43.326	ng	97
62) 4-Nitroaniline	10.40	138	660525	43.040	ng	98
63) Azobenzene	10.55	77	2870727	42.258	ng	97
65) 4,6-Dinitro-2-methylphenol	10.43	198	273497	42.890	ng	95
66) n-Nitrosodiphenylamine	10.50	169	2314037	42.816	ng	100
67) 4-Bromophenyl-phenylether	10.87	248	713079	43.643	ng	95
68) Hexachlorobenzene	10.94	284	723471	43.304	ng	# 93
69) Atrazine	11.03	200	718990	Below Cal		97
70) Pentachlorophenol	11.13	266	717346	65.292	ng	98
71) Phenanthrene	11.35	178	3457160	46.564	ng	99
72) Anthracene	11.40	178	3512535	46.935	ng	100
73) Carbazole	11.55	167	3233962	41.529	ng	99
74) Di-n-butylphthalate	11.89	149	3971414	43.567	ng	99
75) Fluoranthene	12.54	202	3150098	43.359	ng	96
77) Benzidine	12.65	184	332176	9.842	ng	99
78) Pyrene	12.76	202	3086861	50.205	ng	98
80) Butylbenzylphthalate	13.39	149	1403831	47.263	ng	99
81) Benzo(a)anthracene	13.94	228	2119363	45.834	ng	100
82) 3,3'-Dichlorobenzidine	13.91	252	382800	21.937	ng	# 94
83) Chrysene	13.99	228	2061860	44.917	ng	99
84) Bis(2-ethylhexyl)phthalate	13.95	149	1720344	47.951	ng	99
85) Di-n-octyl phthalate	14.56	149	2977388	52.790	ng	97
86) Indeno(1,2,3-cd)pyrene	16.82	276	2523619	68.472	ng	# 87
88) Benzo(b)fluoranthene	14.98	252	2310785	45.642	ng	98
89) Benzo(k)fluoranthene	15.01	252	1942791	39.694	ng	99
90) Benzo(a)pyrene	15.34	252	2162459	46.565	ng	97
91) Dibenzo(a,h)anthracene	16.83	278	2079095	53.350	ng	98
92) Benzo(g,h,i)perylene	17.24	276	2081473	53.150	ng	98

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



#1

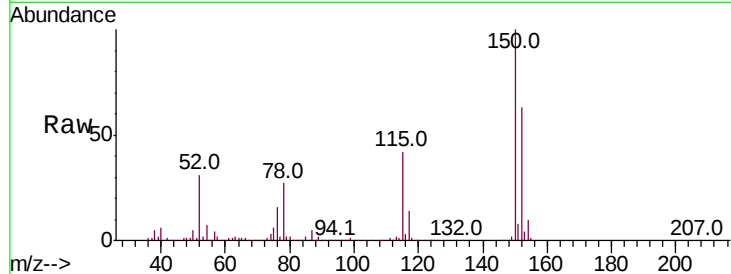
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.80 min Scan# 802
Delta R.T. -0.00 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Instrument :
BNA_F
ClientSampleId :
SB-2MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.5	124.6	187.0
115	66.7	52.2	78.2

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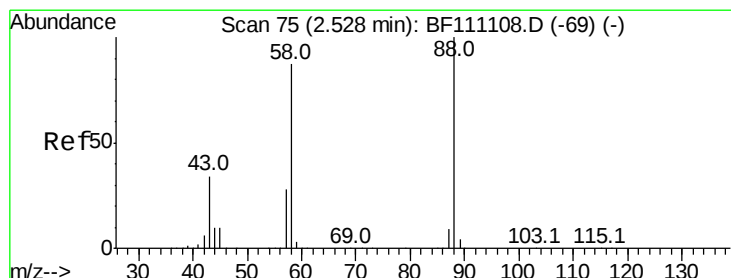
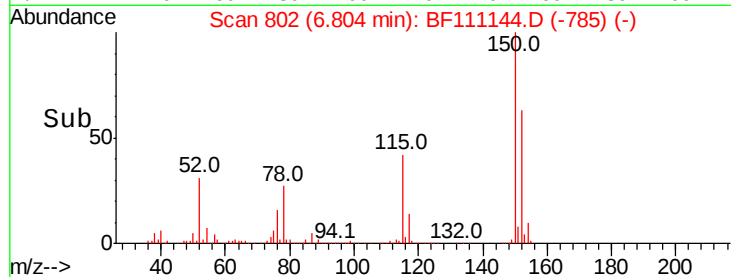
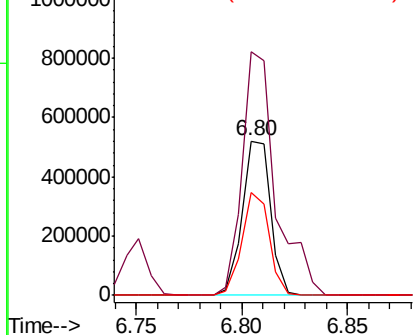


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

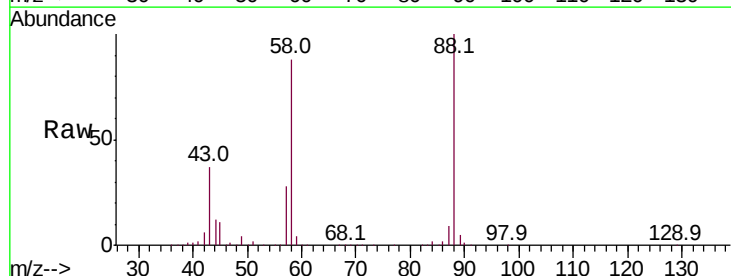
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 29.508 ng
RT: 2.59 min Scan# 85
Delta R.T. 0.06 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Tgt Ion	Ratio	Lower	Upper
88	100		
58	86.4	70.8	106.2
43	37.3	28.3	42.5

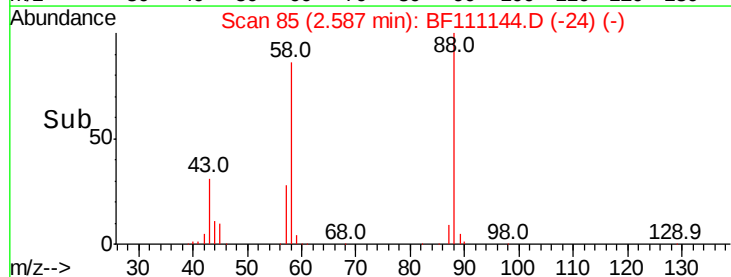
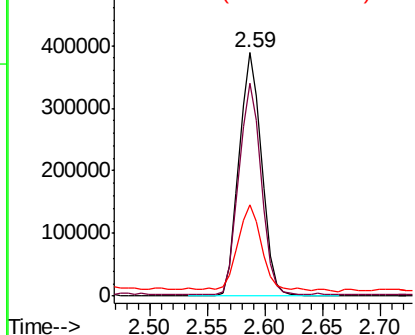


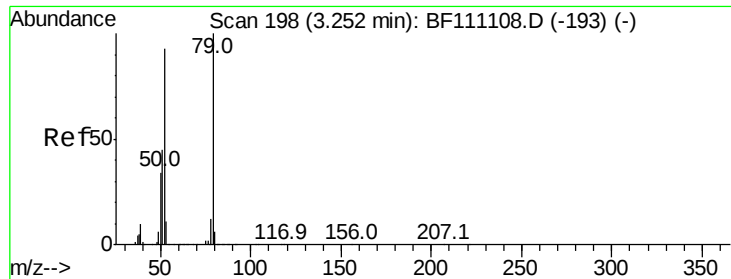
Abundance

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





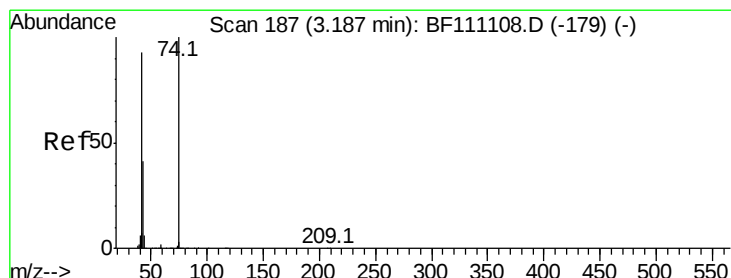
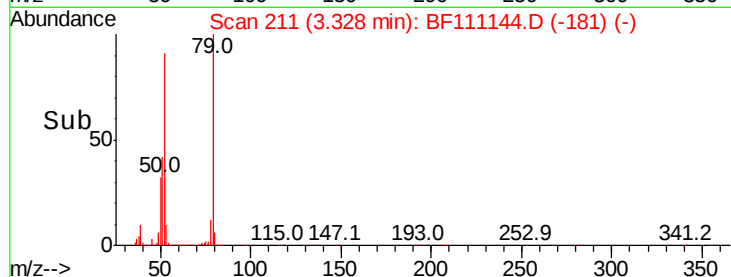
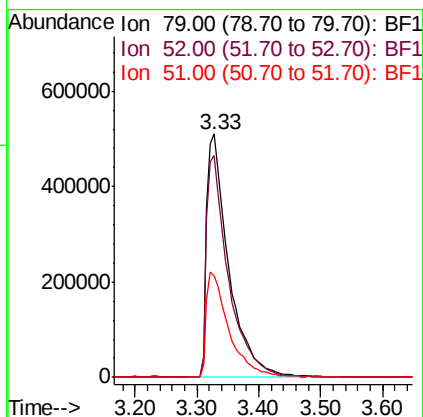
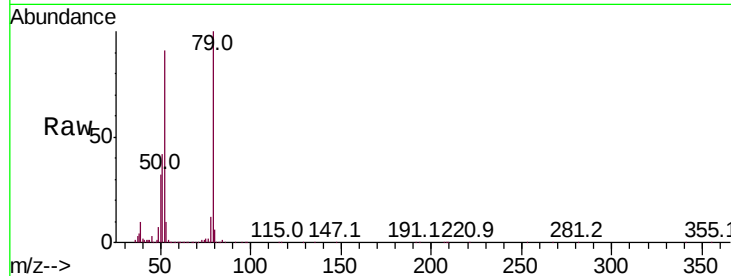
#3
 Pvridine
 Concen: 31.680 ng
 RT: 3.33 min Scan# 211
 Delta R.T. 0.08 min
 Lab File: BF111144.D
 Acq: 6 Dec 2018 18:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-2MSD

Tot Ion: 79 Resp: 1253626
 Ion Ratio Lower Upper
 79 100
 52 91.1 74.7 112.1
 51 41.9 35.9 53.9

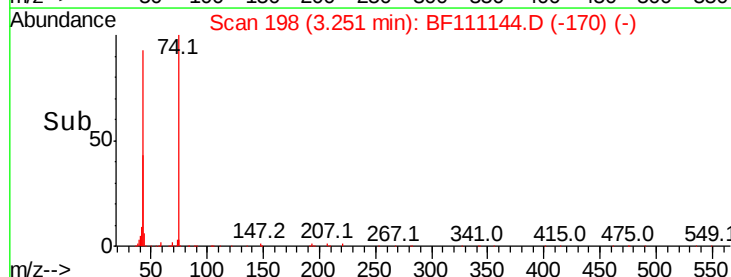
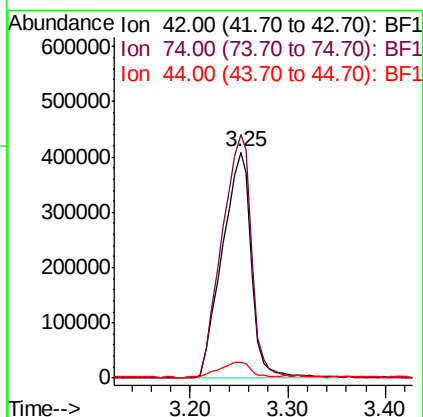
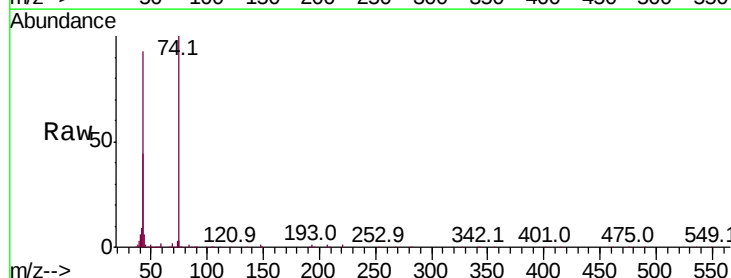
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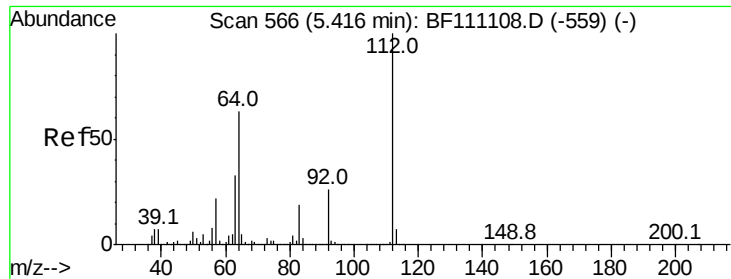
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#4
 n-Nitrosodimethylamine
 Concen: 43.069 ng
 RT: 3.25 min Scan# 198
 Delta R.T. 0.06 min
 Lab File: BF111144.D
 Acq: 6 Dec 2018 18:05

Tgt Ion: 42 Resp: 839122
 Ion Ratio Lower Upper
 42 100
 74 107.7 86.2 129.2
 44 6.8 5.7 8.5





#5

2-Fluorophenol

Concen: 116.381 ng

RT: 5.43 min Scan# 568

Delta R.T. 0.01 min

Lab File: BF111144.D

Acq: 6 Dec 2018 18:05

Instrument :

BNA_F

ClientSampleId :

SB-2MSD

Tot Ion:112 Resp: 3609995

Ion Ratio Lower Upper

112 100

64 67.5 50.2 75.4

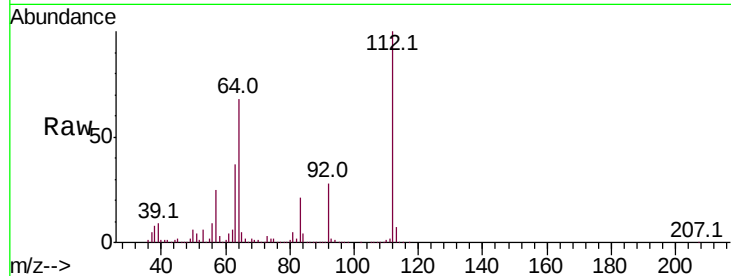
63 36.9 26.6 39.8

Manual Integrations

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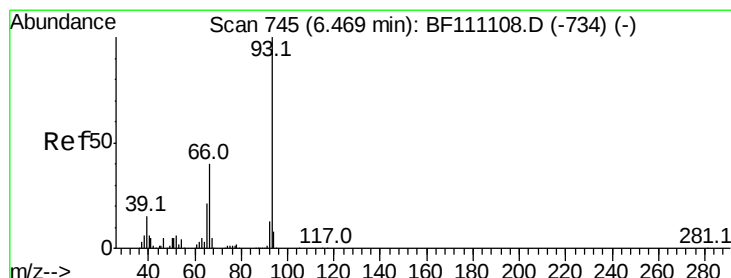
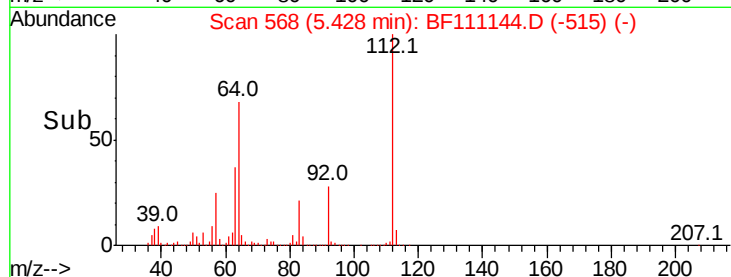
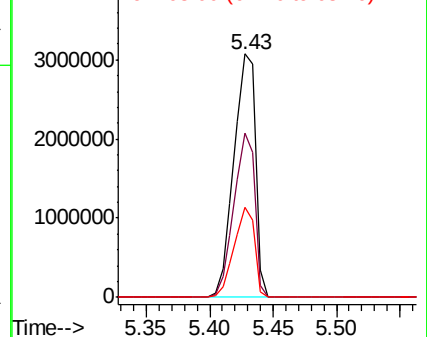
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Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 16.224 ng

RT: 6.47 min Scan# 745

Delta R.T. -0.00 min

Lab File: BF111144.D

Acq: 6 Dec 2018 18:05

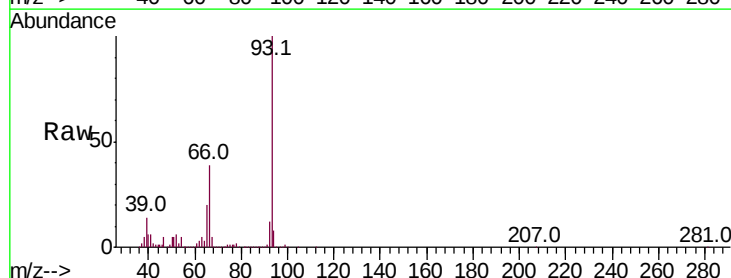
Tgt Ion: 93 Resp: 866130

Ion Ratio Lower Upper

93 100

66 38.9 31.8 47.8

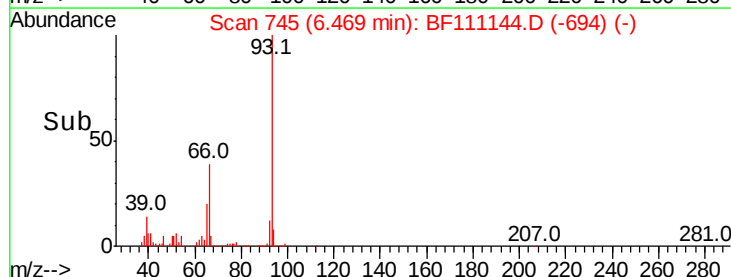
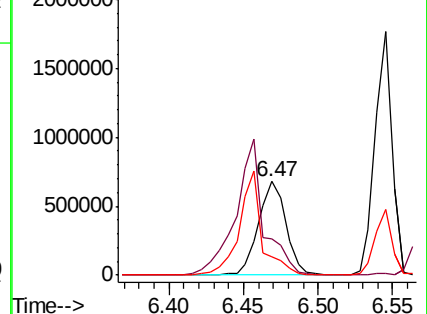
65 20.2 16.6 24.8

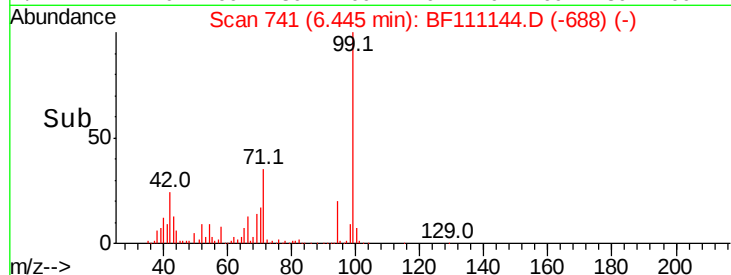
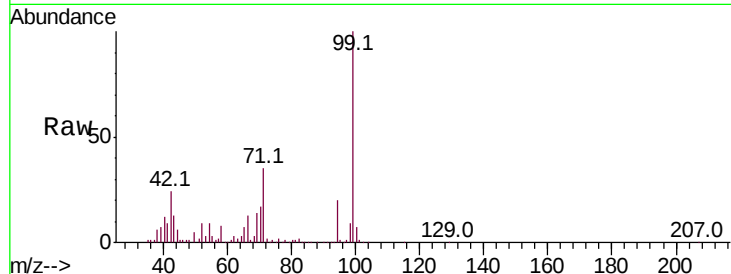
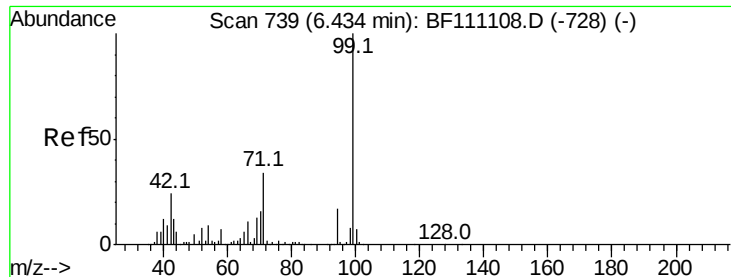


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 118.189 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.01 min

Lab File: BF111144.D

Acq: 6 Dec 2018 18:05

Tot Ion: 99 Resp: 4722578

Ion Ratio Lower Upper

99 100

42 24.4 19.3 28.9

71 35.3 27.4 41.2

Instrument :

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ClientSampleId :

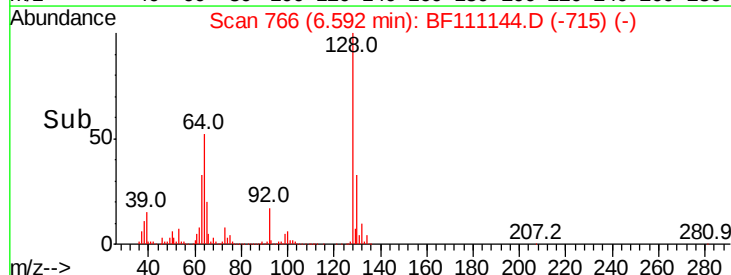
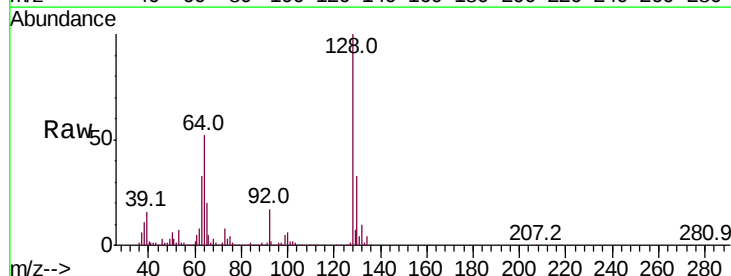
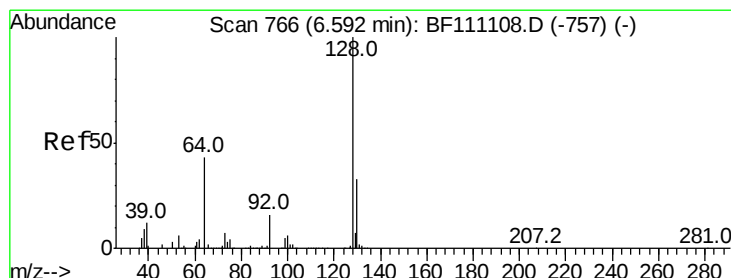
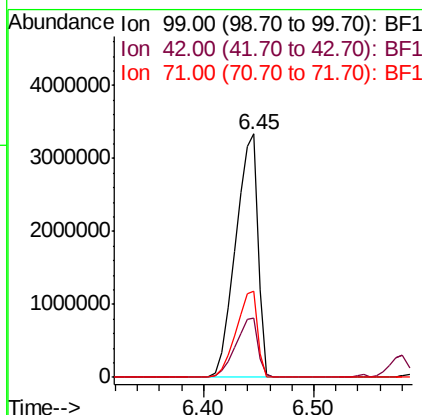
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#8

2-Chlorophenol

Concen: 40.563 ng

RT: 6.59 min Scan# 766

Delta R.T. -0.00 min

Lab File: BF111144.D

Acq: 6 Dec 2018 18:05

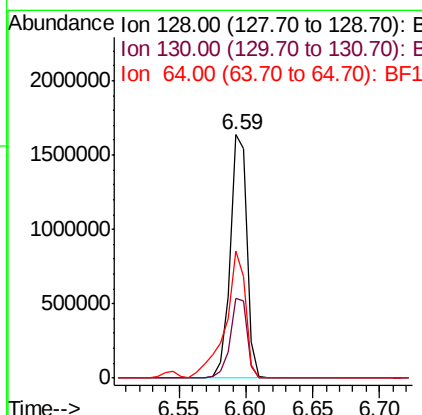
Tgt Ion:128 Resp: 1450253

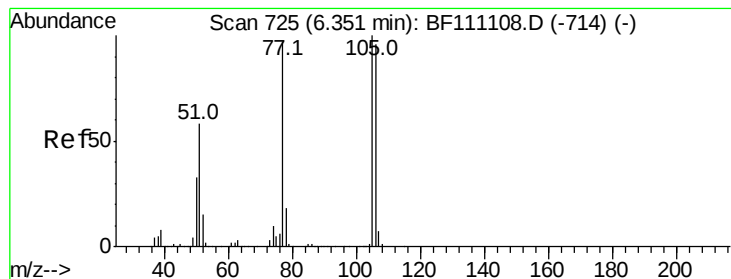
Ion Ratio Lower Upper

128 100

130 32.5 12.8 52.8

64 52.4 26.6 66.6





#9

Benzaldehyde

Concen: 31.806 ng

RT: 6.35 min Scan# 725

Delta R.T. 0.00 min

Lab File: BF111144.D

Acq: 6 Dec 2018 18:05

Instrument :

BNA_F

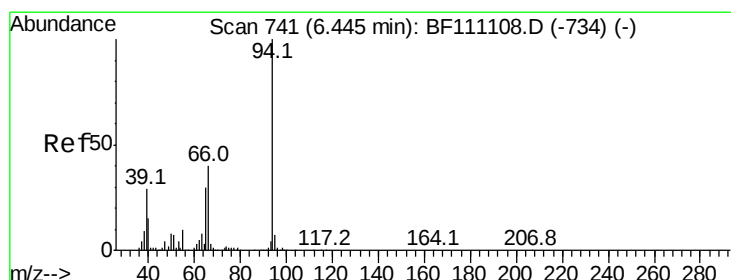
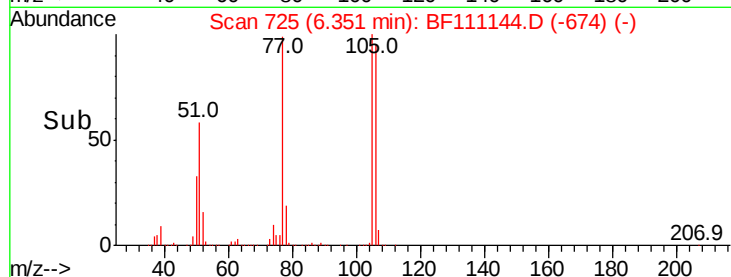
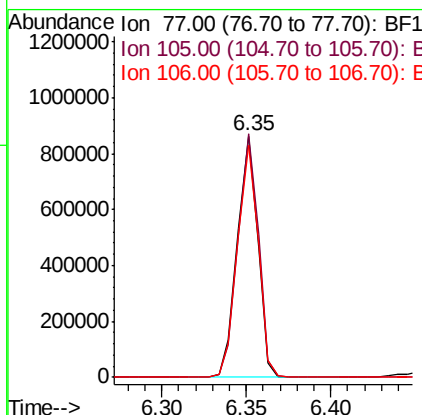
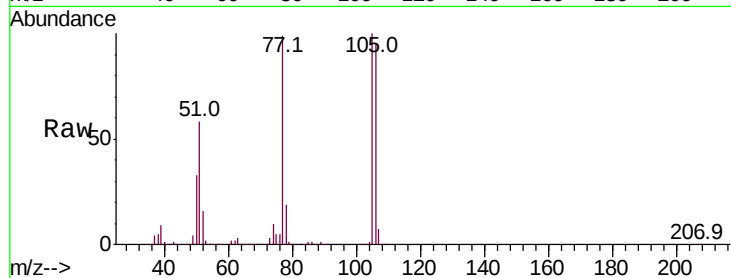
ClientSampleId :

SB-2MSD

Tot Ion	Ratio	Lower	Upper
77	100		
105	100.8	83.1	123.1
106	96.2	79.0	119.0

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#10

Phenol

Concen: 46.018 ng m

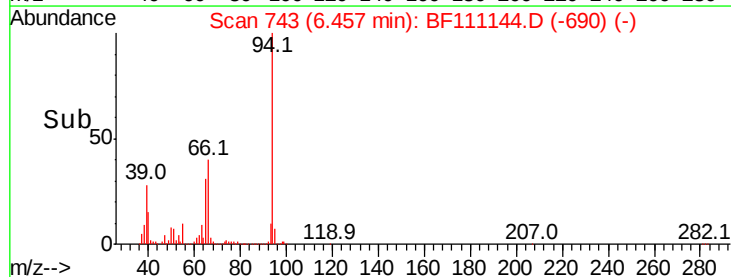
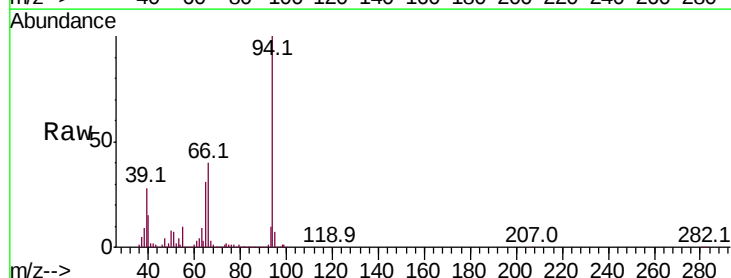
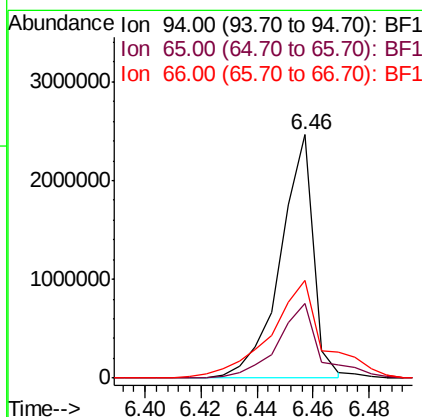
RT: 6.46 min Scan# 743

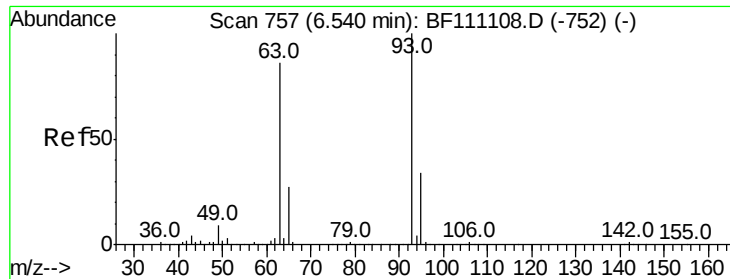
Delta R.T. 0.01 min

Lab File: BF111144.D

Acq: 6 Dec 2018 18:05

Tgt Ion	Ratio	Lower	Upper
94	100		
65	30.6	10.5	50.5
66	40.2	19.8	59.8





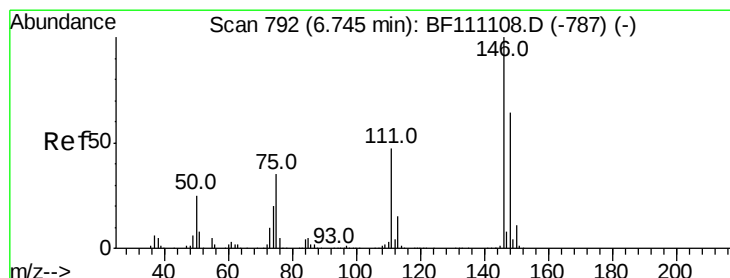
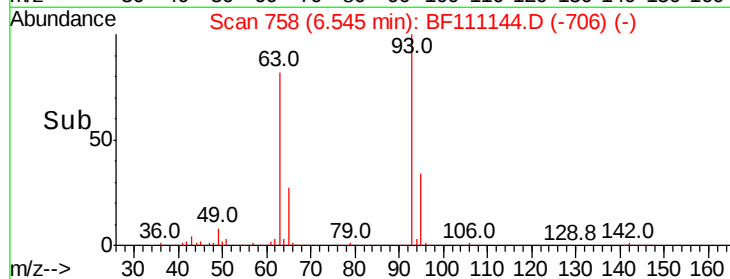
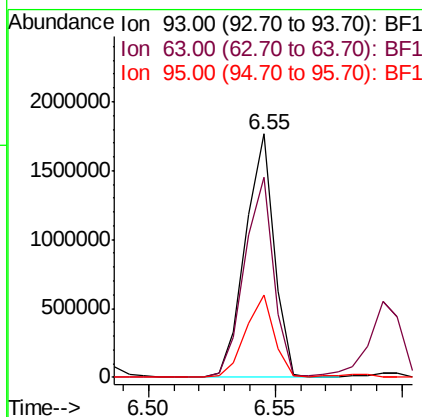
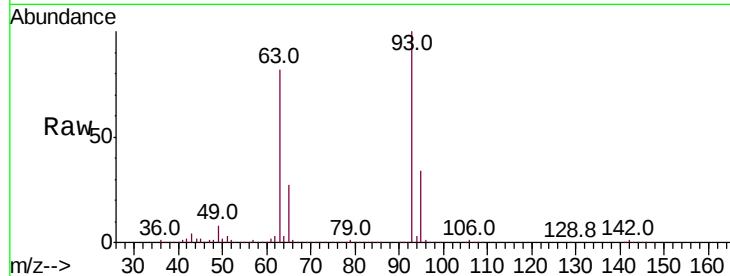
#11
bis(2-Chloroethyl)ether
Concen: 39.115 ng
RT: 6.55 min Scan# 758
Delta R.T. 0.01 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Instrument :
BNA_F
ClientSampleId :
SB-2MSD

Tot Ion: 93 Resp: 1392857
Ion Ratio Lower Upper
93 100
63 82.3 66.0 106.0
95 33.6 14.3 54.3

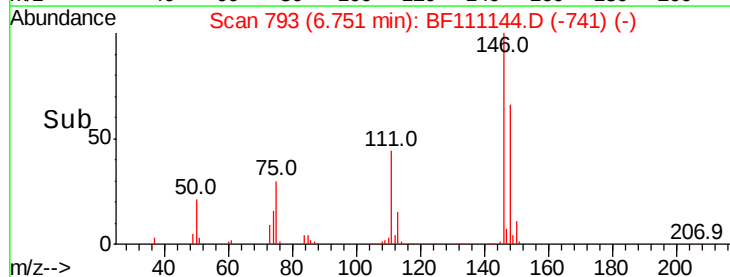
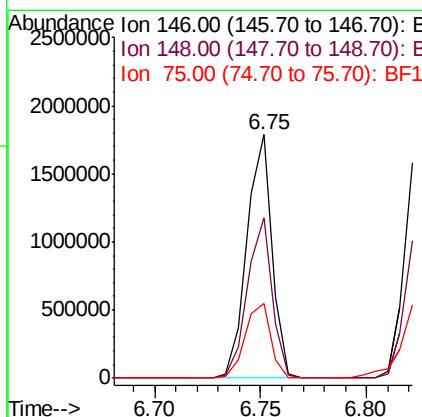
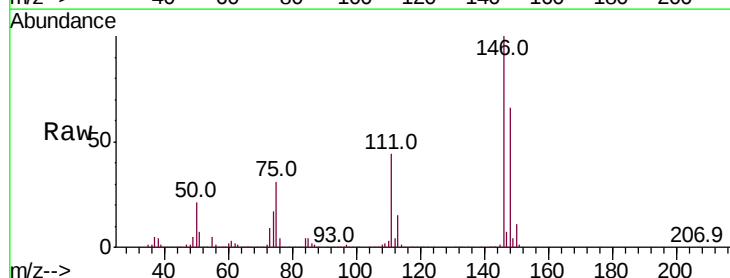
Manual Integrations
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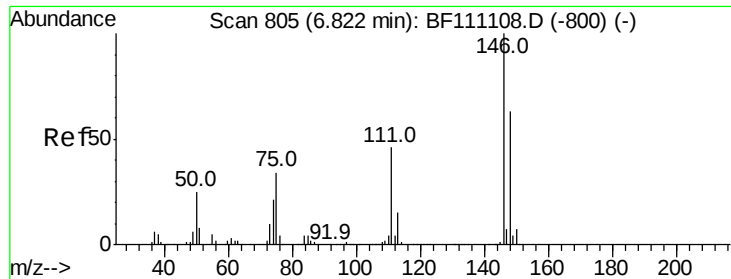
mohammad
12/10/2018 12:19:02 PM



#12
1,3-Dichlorobenzene
Concen: 38.799 ng
RT: 6.75 min Scan# 793
Delta R.T. 0.01 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Tgt Ion: 146 Resp: 1475294
Ion Ratio Lower Upper
146 100
148 65.7 51.3 76.9
75 30.6 27.7 41.5





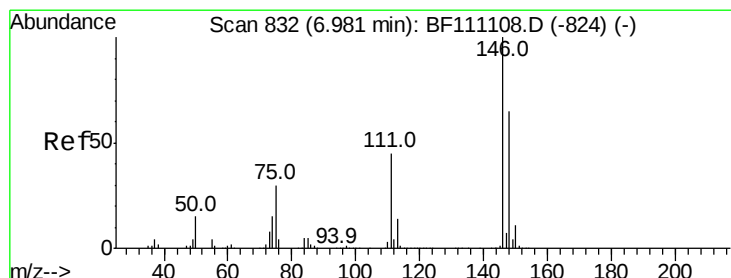
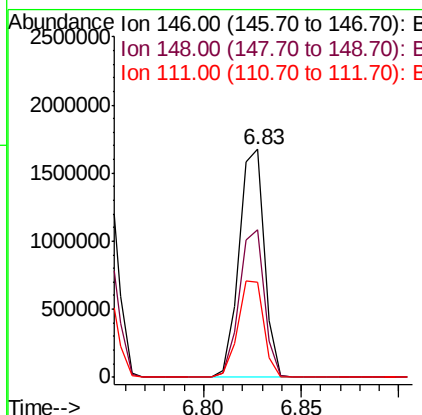
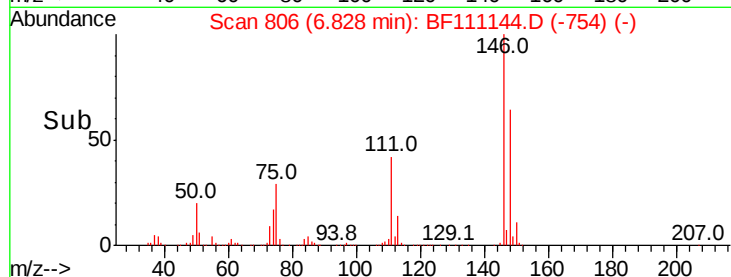
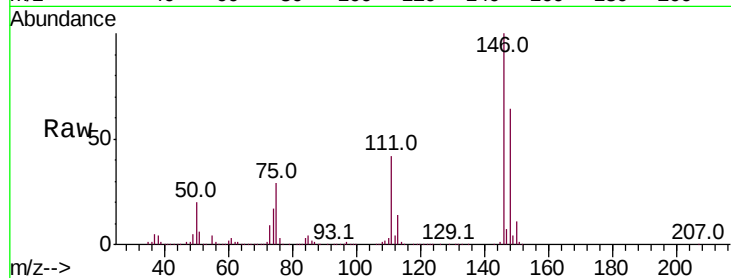
#13
 1,4-Dichlorobenzene
 Concen: 39.301 ng
 RT: 6.83 min Scan# 806
 Delta R.T. 0.01 min
 Lab File: BF111144.D
 Acq: 6 Dec 2018 18:05

Instrument :
 BNA_F
 ClientSampled :
 SB-2MSD

Tot Ion:146 Resp: 1503863
 Ion Ratio Lower Upper
 146 100
 148 64.4 50.3 75.5
 111 41.5 36.6 55.0

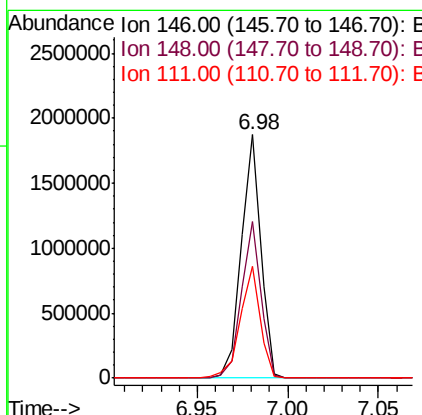
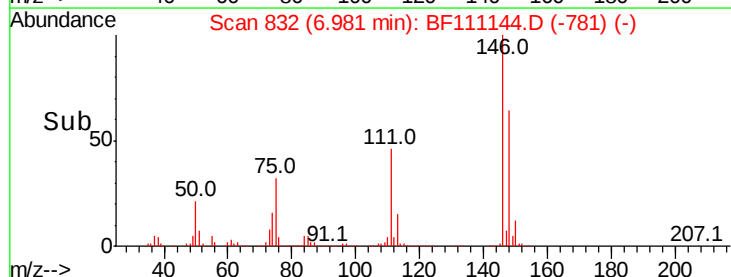
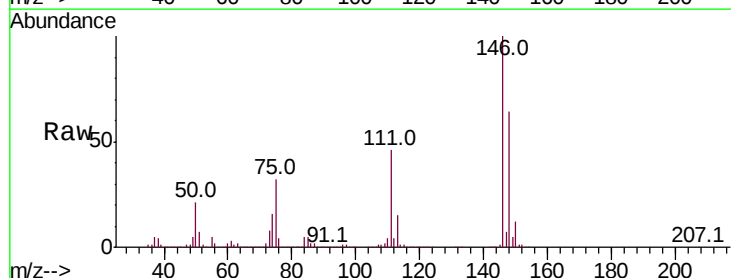
Manual Integrations
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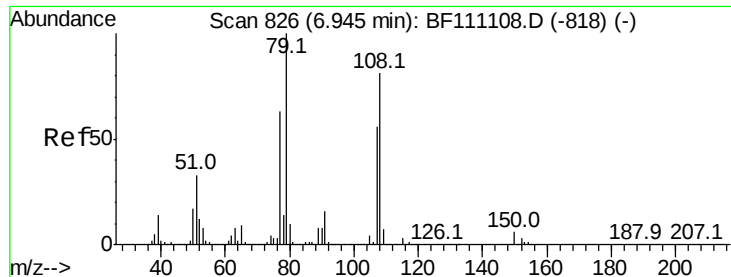
mohammad
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#14
 1,2-Dichlorobenzene
 Concen: 39.273 ng
 RT: 6.98 min Scan# 832
 Delta R.T. -0.00 min
 Lab File: BF111144.D
 Acq: 6 Dec 2018 18:05

Tgt Ion:146 Resp: 1397938
 Ion Ratio Lower Upper
 146 100
 148 64.1 51.8 77.6
 111 46.1 35.7 53.5





#15

Benzyl Alcohol

Concen: 41.249 ng

RT: 6.95 min Scan# 826

Delta R.T. -0.00 min

Lab File: BF111144.D

Acq: 6 Dec 2018 18:05

Instrument :

BNA_F

ClientSampleId :

SB-2MSD

Tot Ion: 79 Resp: 1305948

Ion Ratio Lower Upper

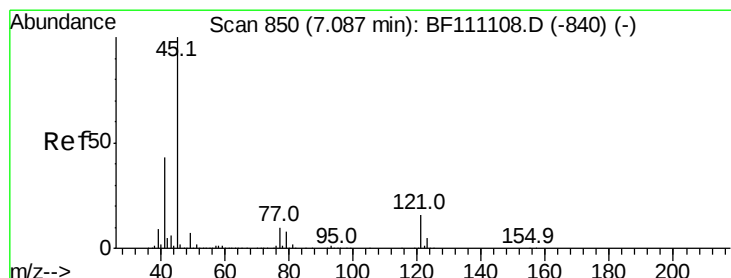
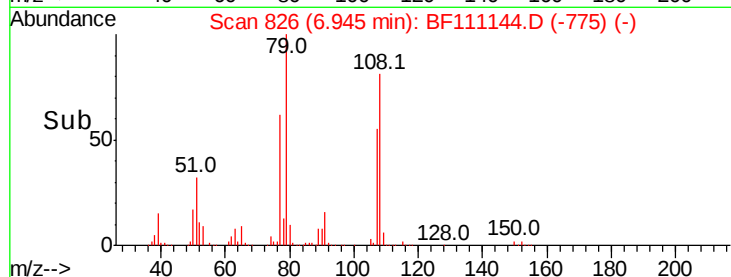
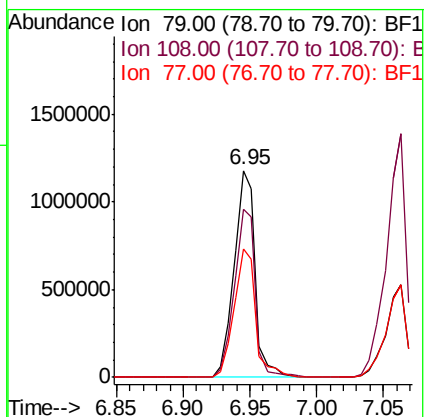
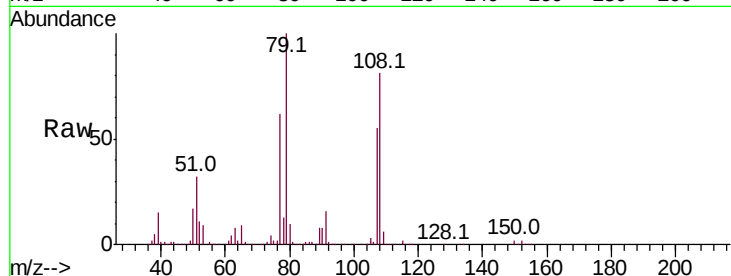
79 100

108 81.2 64.5 96.7

77 62.1 50.5 75.7

Manual Integrations
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#16

2,2'-oxybis(1-chloropropane)

Concen: 39.697 ng

RT: 7.09 min Scan# 850

Delta R.T. -0.00 min

Lab File: BF111144.D

Acq: 6 Dec 2018 18:05

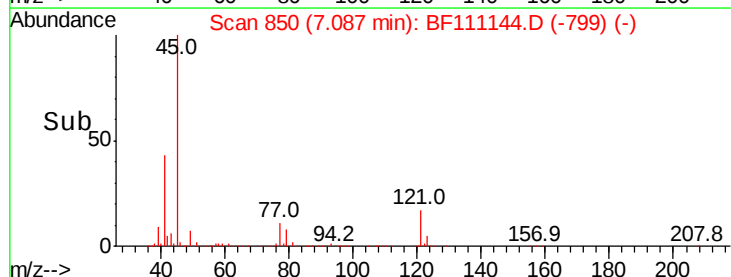
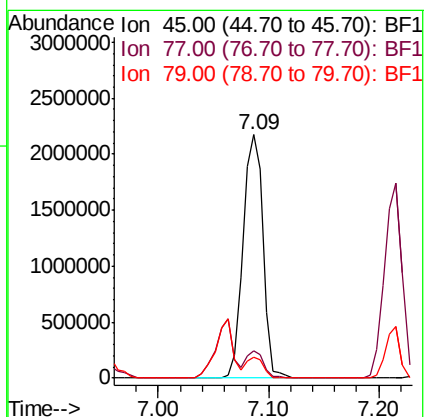
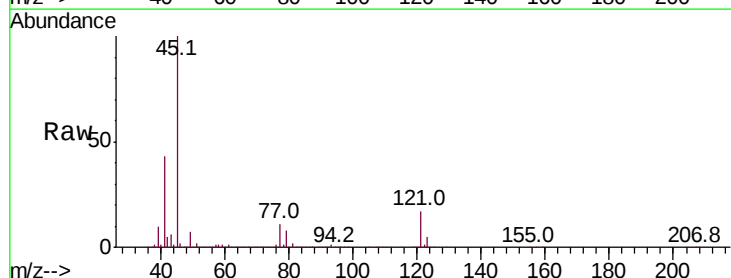
Tgt Ion: 45 Resp: 2749752

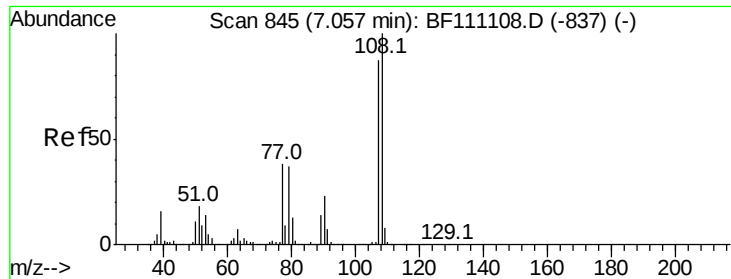
Ion Ratio Lower Upper

45 100

77 11.0 0.0 30.6

79 8.3 0.0 28.4





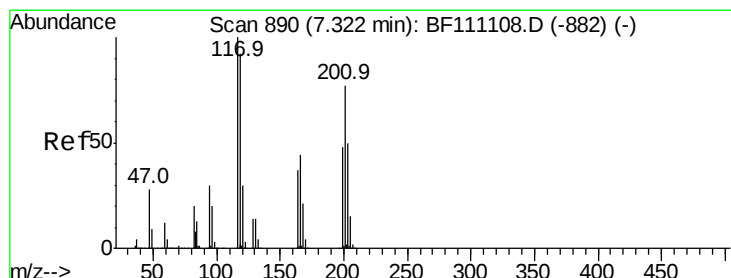
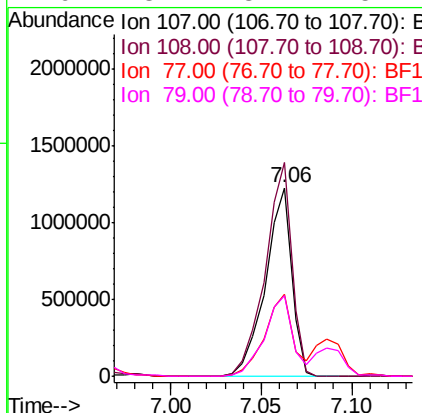
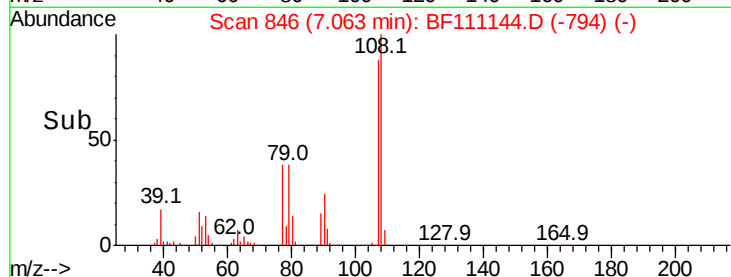
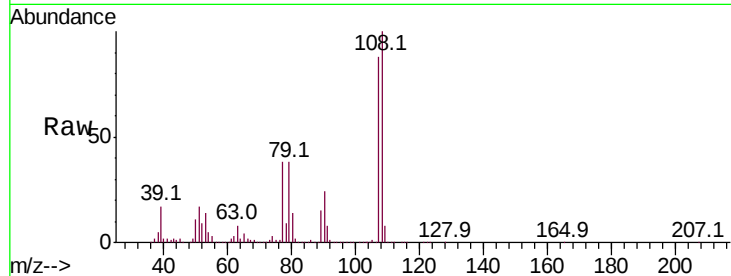
#17
2-Methylphenol
Concen: 41.894 ng
RT: 7.06 min Scan# 846
Delta R.T. 0.01 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Instrument :
BNA_F
ClientSampleId :
SB-2MSD

Tot Ion	Ratio	Lower	Upper
107	100		
108	113.5	91.8	137.8
77	43.4	34.7	52.1
79	43.1	34.2	51.2

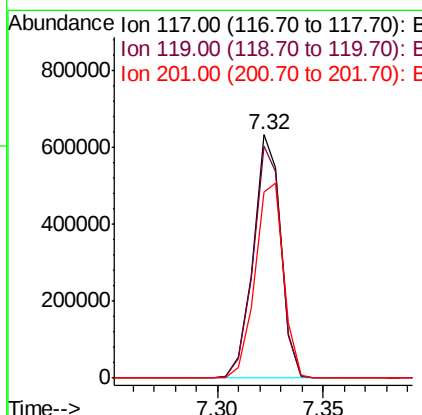
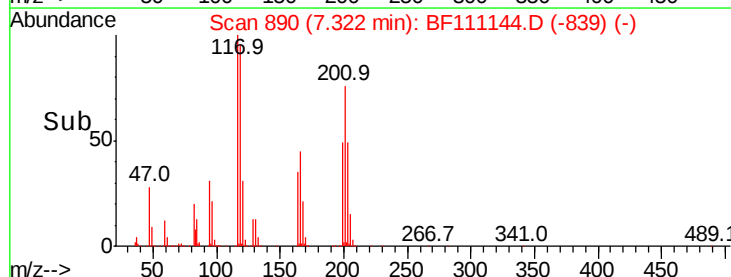
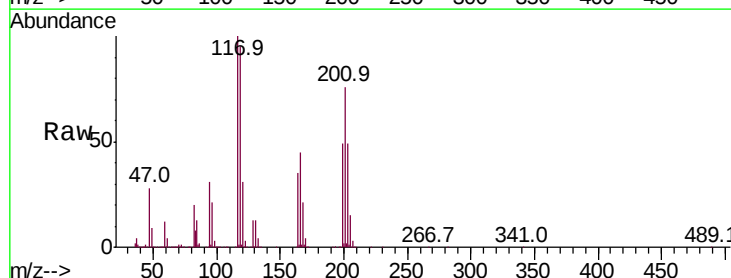
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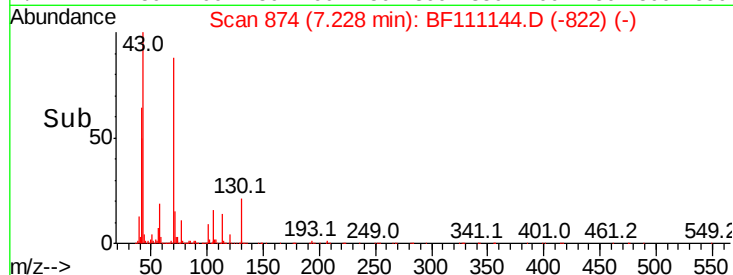
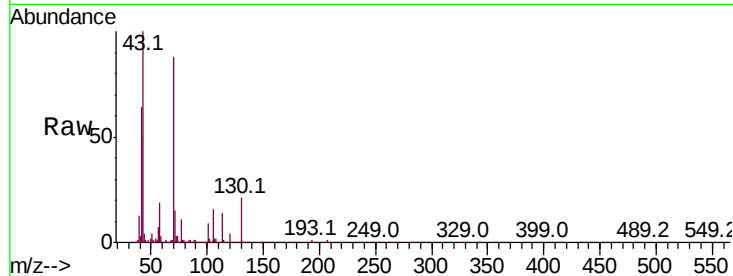
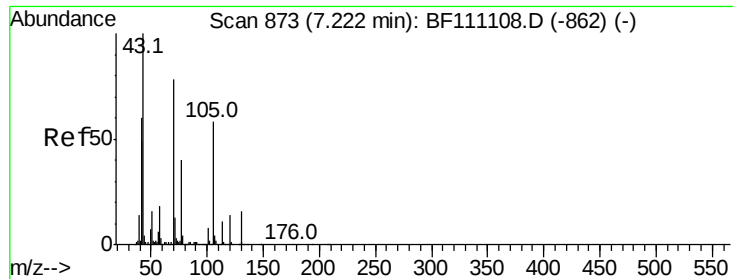
mohammad
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#18
Hexachloroethane
Concen: 39.858 ng
RT: 7.32 min Scan# 890
Delta R.T. -0.00 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Tgt Ion	Ratio	Lower	Upper
117	100		
119	95.4	73.8	110.6
201	76.2	61.2	91.8





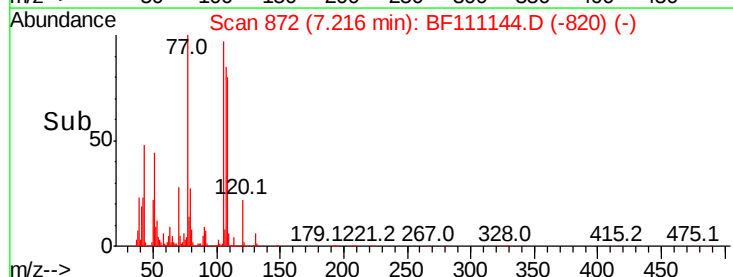
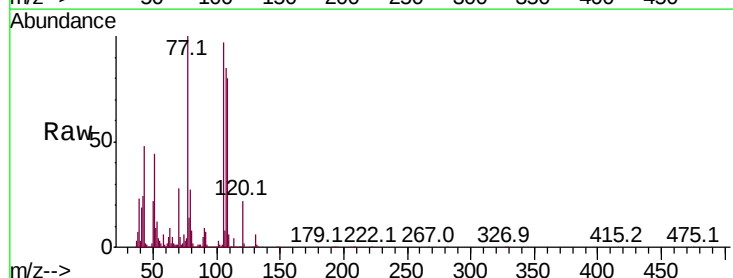
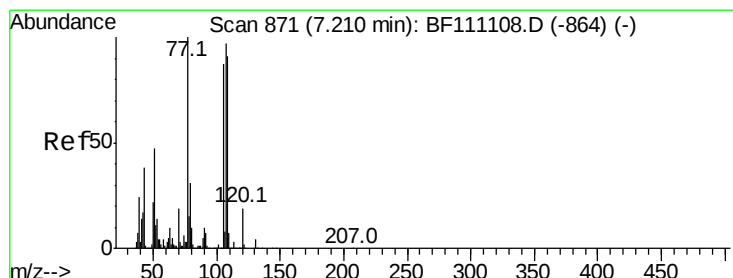
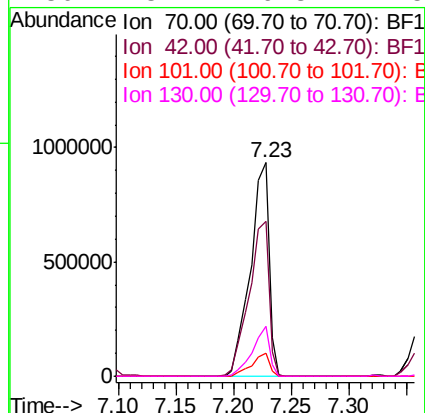
#19
n-Nitroso-di-n-propylamine
Concen: 39.220 ng
RT: 7.23 min Scan# 874
Delta R.T. 0.01 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Instrument :
BNA_F
ClientSampleId :
SB-2MSD

Tot Ion	Ratio	Lower	Upper
70	100		
42	72.6	61.3	91.9
101	10.6	7.7	11.5
130	23.7	16.3	24.5

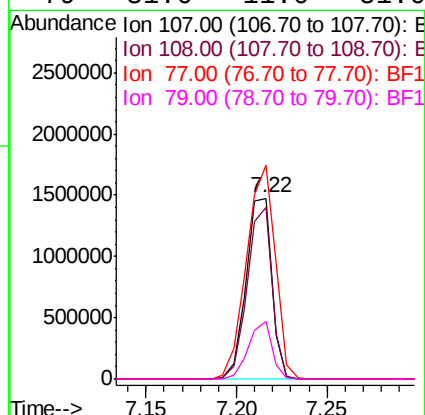
Manual Integrations
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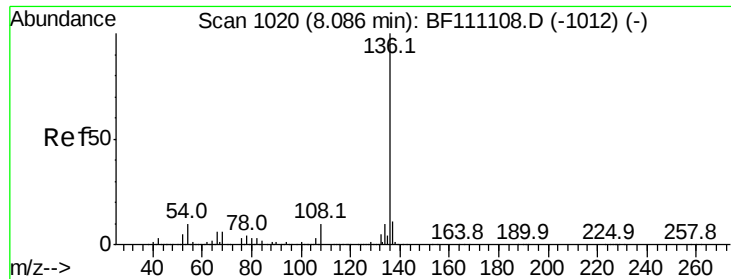
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#20
3+4-Methylphenols
Concen: 40.609 ng
RT: 7.22 min Scan# 872
Delta R.T. 0.01 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Tgt Ion	Ratio	Lower	Upper
107	100		
108	94.6	74.0	114.0
77	118.1	83.2	123.2
79	31.6	11.6	51.6





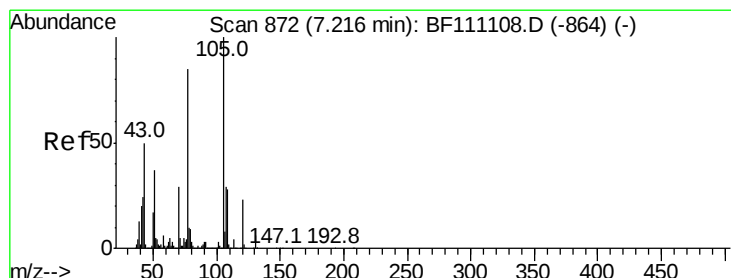
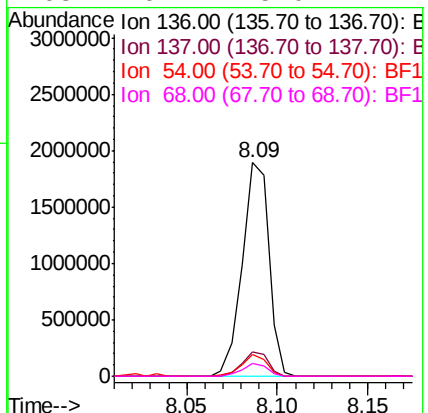
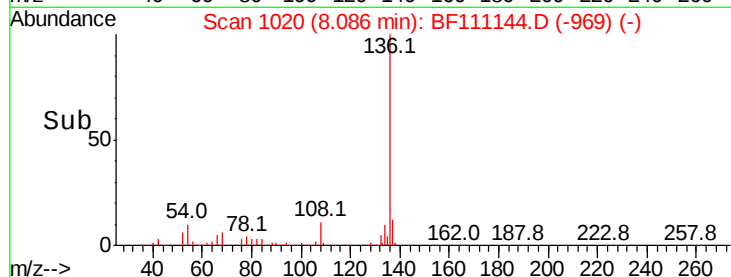
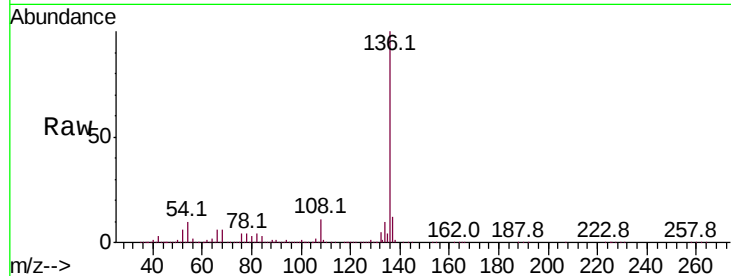
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.09 min Scan# 1020
Delta R.T. -0.00 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Instrument :
BNA_F
ClientSampleId :
SB-2MSD

Tot Ion	Ratio	Lower	Upper
136	100		
137	11.6	9.0	13.6
54	10.2	8.4	12.6
68	6.1	5.0	7.4

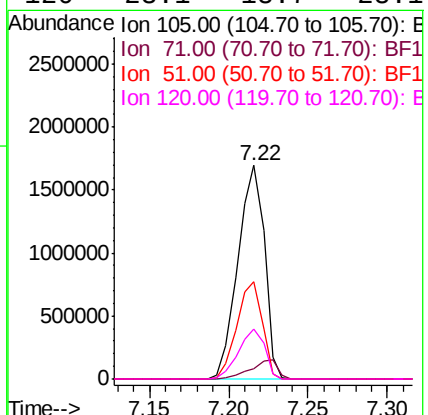
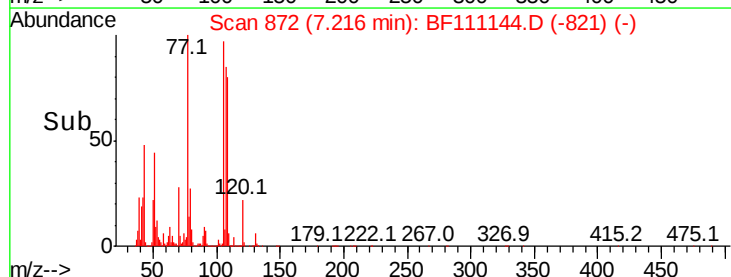
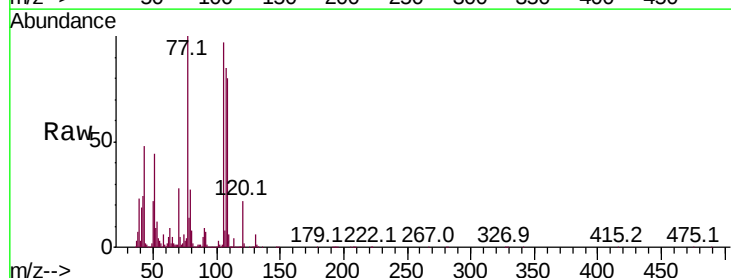
Manual Integrations
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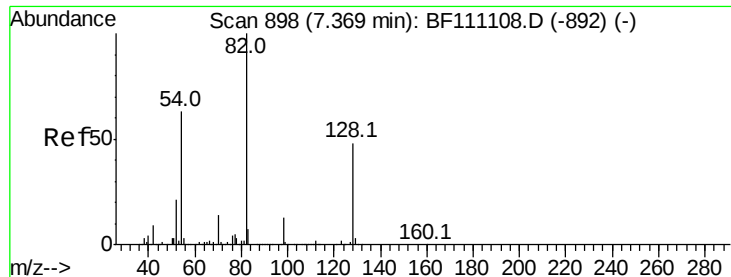
mohammad
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#22
Acetophenone
Concen: 41.838 ng
RT: 7.22 min Scan# 872
Delta R.T. -0.00 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Tgt Ion	Ratio	Lower	Upper
105	100		
71	4.9	4.0	6.0
51	45.6	29.8	44.8#
120	23.1	18.7	28.1





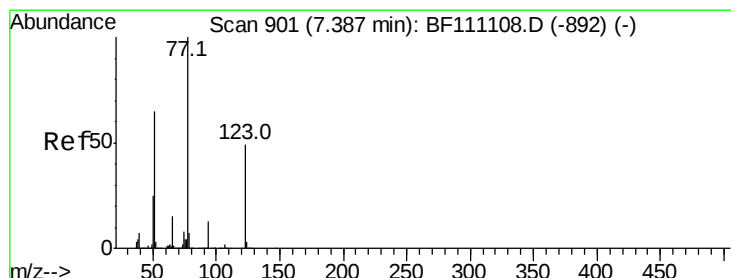
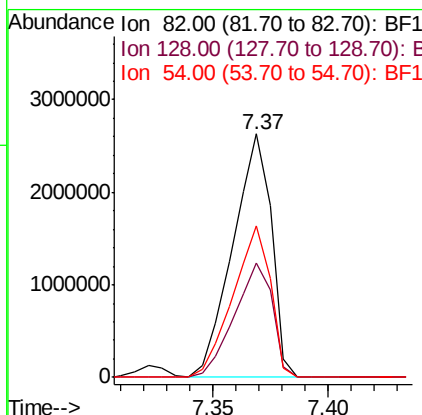
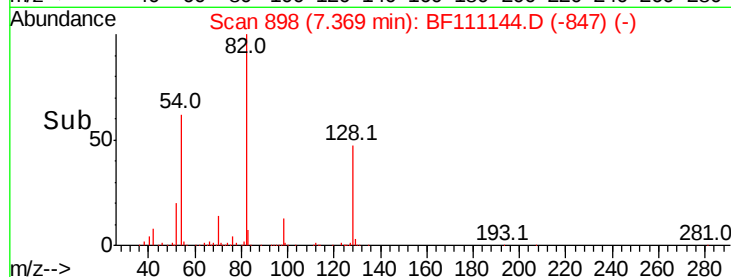
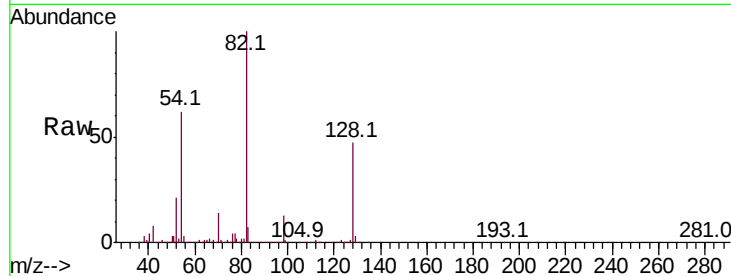
#23
Nitrobenzene-d5
Concen: 93.403 ng
RT: 7.37 min Scan# 898
Delta R.T. -0.00 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Instrument :
BNA_F
ClientSampleId :
SB-2MSD

Tot Ion: 82 Resp: 3056495
Ion Ratio Lower Upper
82 100
128 47.1 38.1 57.1
54 62.3 50.3 75.5

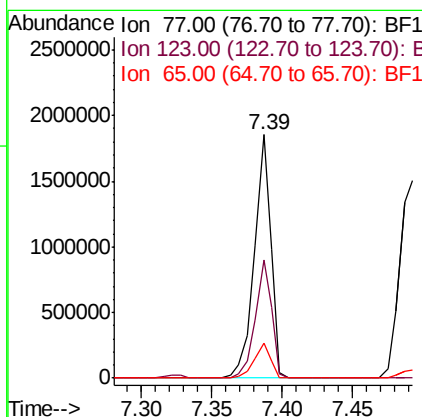
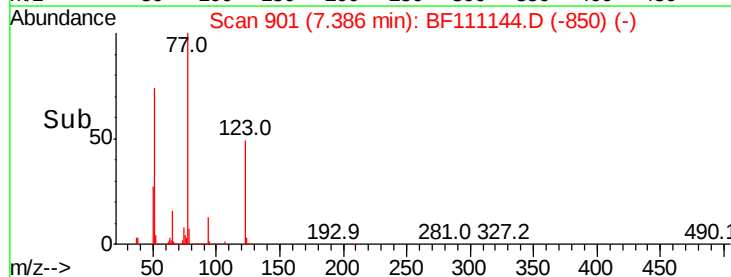
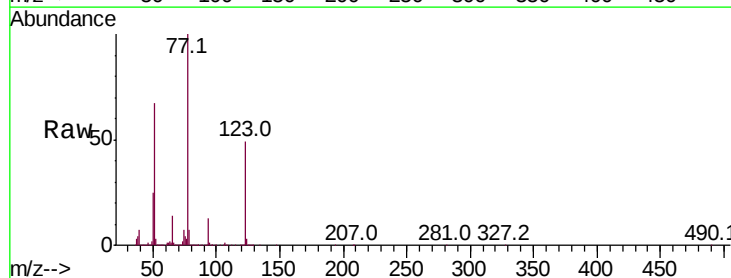
Manual Integrations
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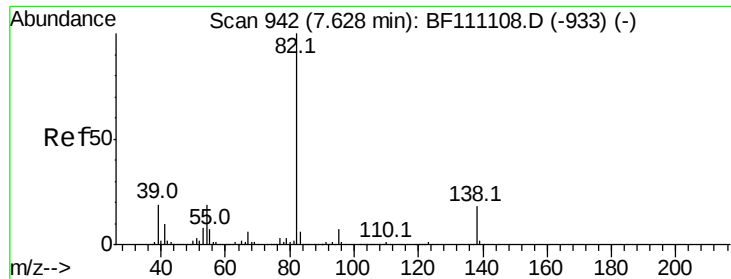
mohammad
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#24
Nitrobenzene
Concen: 43.423 ng
RT: 7.39 min Scan# 901
Delta R.T. -0.00 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Tgt Ion: 77 Resp: 1528684
Ion Ratio Lower Upper
77 100
123 48.5 39.5 59.3
65 14.4 11.8 17.6





#25

Isophorone

Concen: 46.855 ng

RT: 7.63 min Scan# 942

Delta R.T. -0.00 min

Lab File: BF111144.D

Acq: 6 Dec 2018 18:05

Instrument :

BNA_F

ClientSampleId :

SB-2MSD

Tot Ion: 82 Resp: 2813881

Ion Ratio Lower Upper

82 100

95 7.5 5.6 8.4

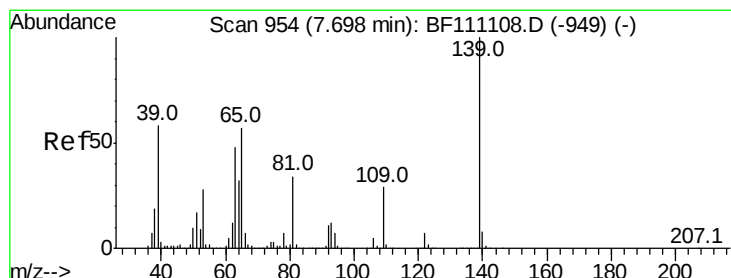
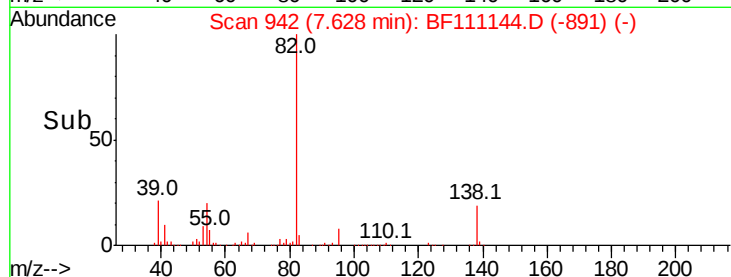
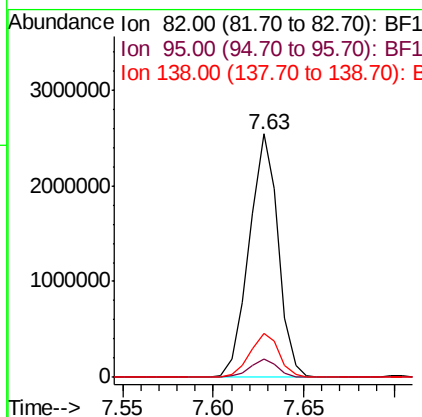
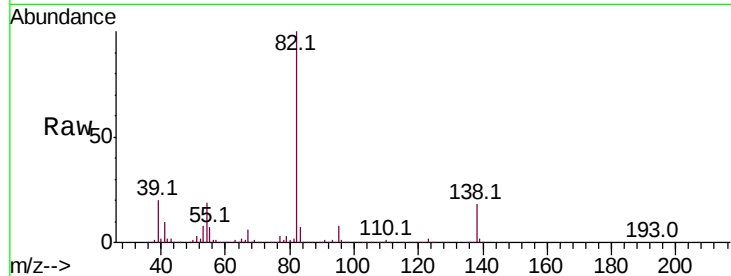
138 18.3 14.6 22.0

Manual Integrations

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#26

2-Nitrophenol

Concen: 51.212 ng

RT: 7.70 min Scan# 955

Delta R.T. 0.01 min

Lab File: BF111144.D

Acq: 6 Dec 2018 18:05

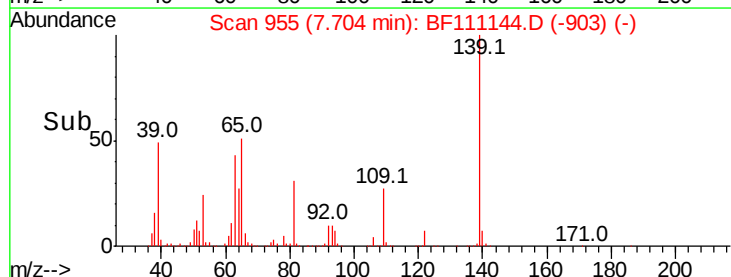
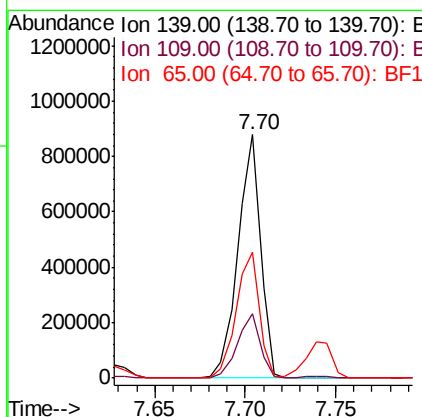
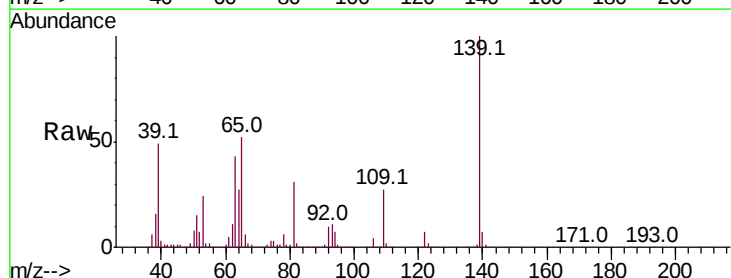
Tgt Ion: 139 Resp: 761787

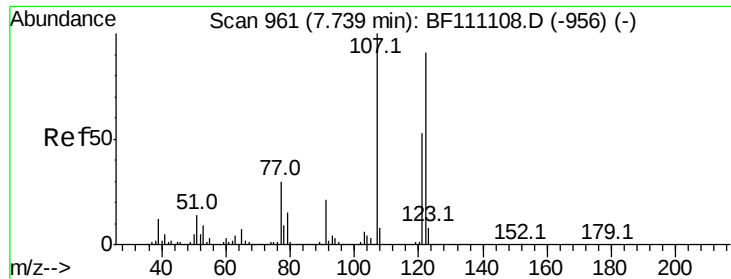
Ion Ratio Lower Upper

139 100

109 26.6 23.1 34.7

65 51.5 45.9 68.9





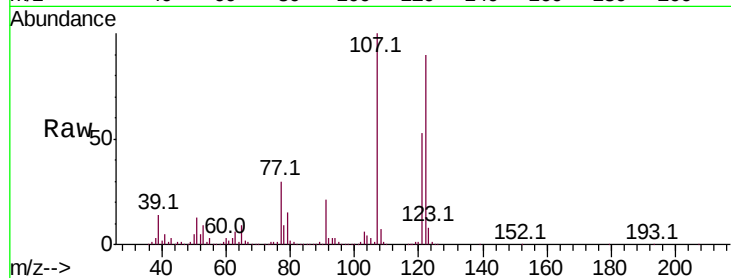
#27
 2,4-Dimethylphenol
 Concen: 47.591 ng
 RT: 7.75 min Scan# 962
 Delta R.T. 0.01 min
 Lab File: BF111144.D
 Acq: 6 Dec 2018 18:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-2MSD

Tot Ion	Ratio	Lower	Upper
122	100		
107	111.1	87.4	131.0
121	59.0	45.9	68.9

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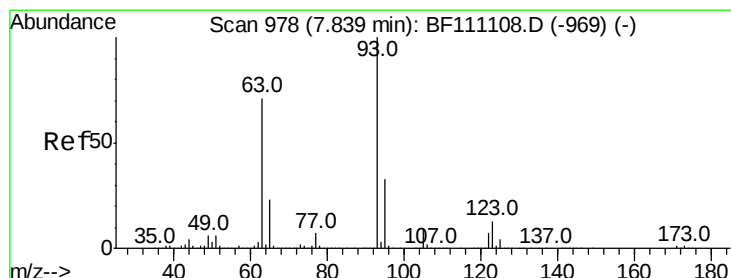
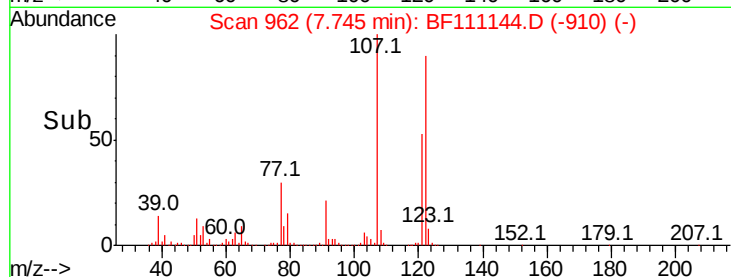
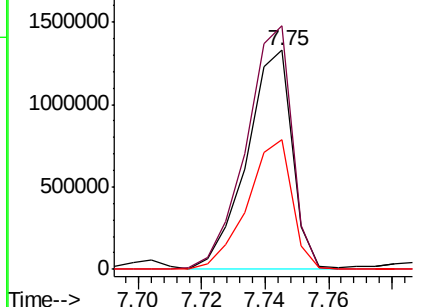


Abundance

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: 43.843 ng
 RT: 7.84 min Scan# 978
 Delta R.T. -0.00 min
 Lab File: BF111144.D
 Acq: 6 Dec 2018 18:05

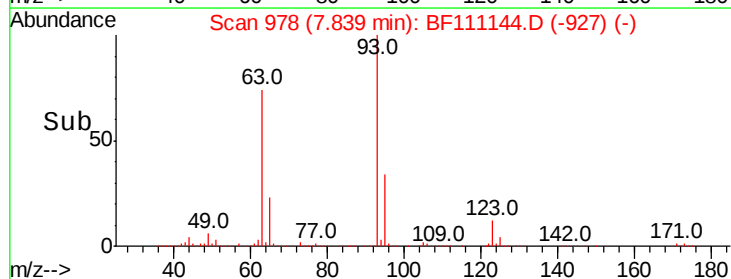
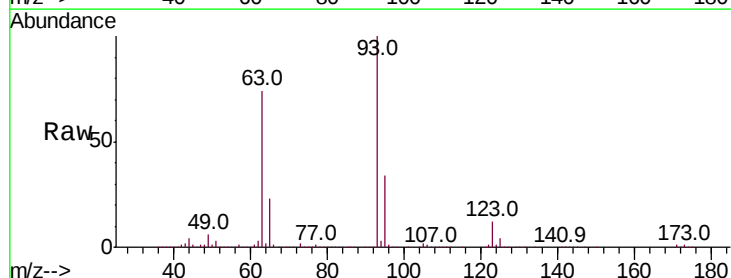
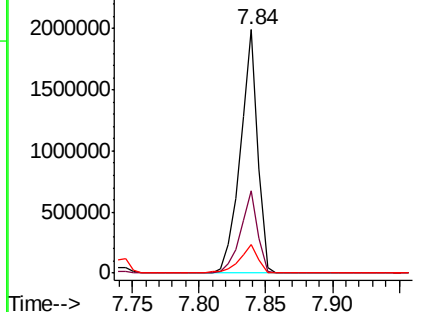
Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.8	26.6	39.8
123	11.8	10.3	15.5

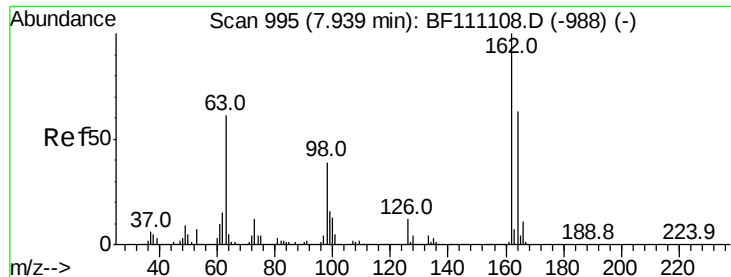
Abundance

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





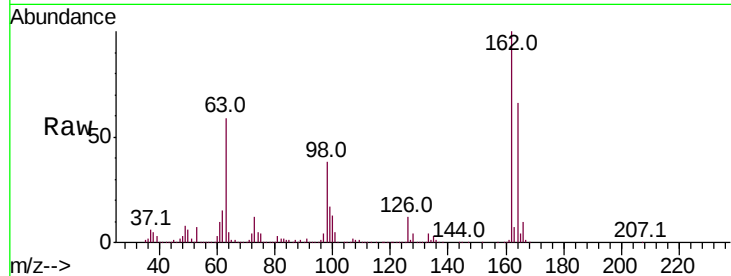
#29
2,4-Dichlorophenol
Concen: 44.118 ng
RT: 7.95 min Scan# 996
Delta R.T. 0.01 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Instrument :
BNA_F
ClientSampleId :
SB-2MSD

Tot Ion	Ratio	Lower	Upper
162	100		
164	66.4	43.3	83.3
98	37.8	18.9	58.9

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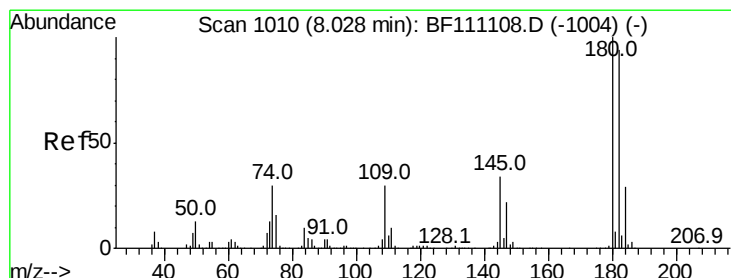
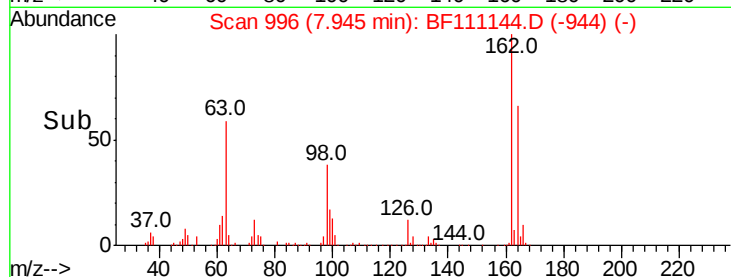
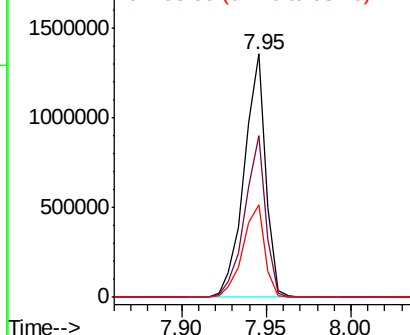


Abundance

Ion 162.00 (161.70 to 162.70): E

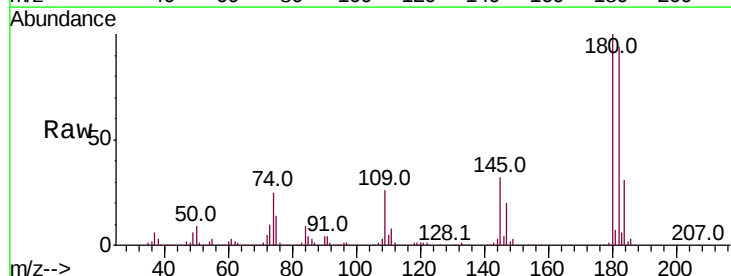
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
1,2,4-Trichlorobenzene
Concen: 41.805 ng
RT: 8.03 min Scan# 1011
Delta R.T. 0.01 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Tgt Ion	Ratio	Lower	Upper
180	100		
182	94.5	75.1	112.7
145	32.1	27.6	41.4

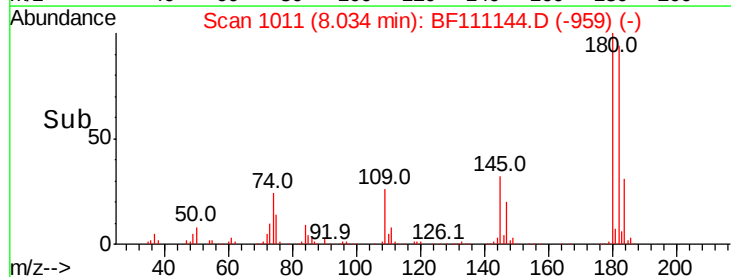
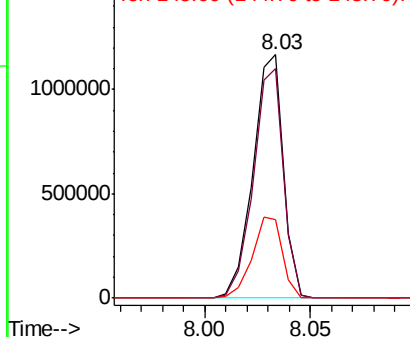


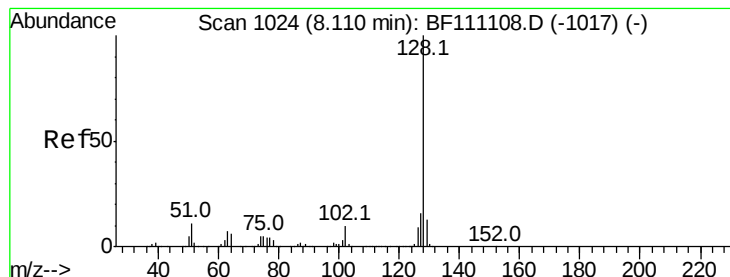
Abundance

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: 46.357 ng

RT: 8.11 min Scan# 1024

Delta R.T. -0.00 min

Lab File: BF111144.D

Acq: 6 Dec 2018 18:05

Instrument :

BNA_F

ClientSampleId :

SB-2MSD

Tot Ion:128 Resp: 3910164

Ion Ratio Lower Upper

128 100

129 13.0 10.5 15.7

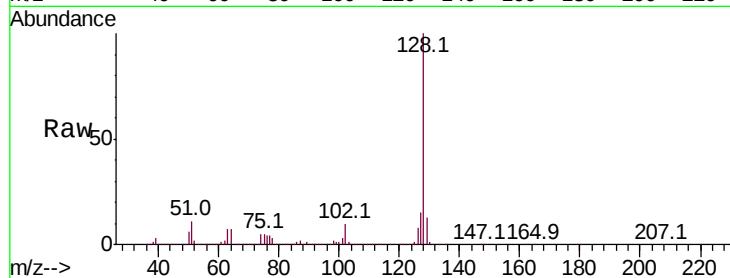
127 15.2 12.5 18.7

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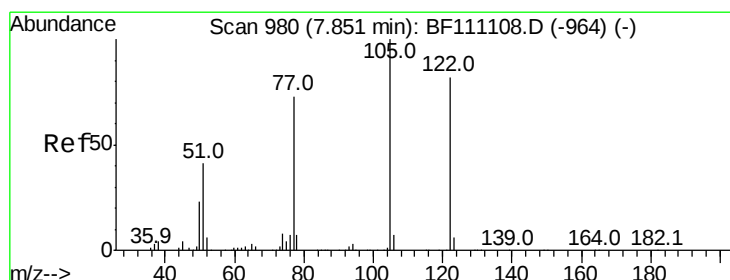
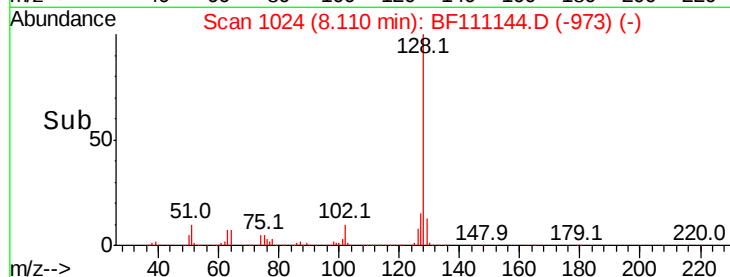
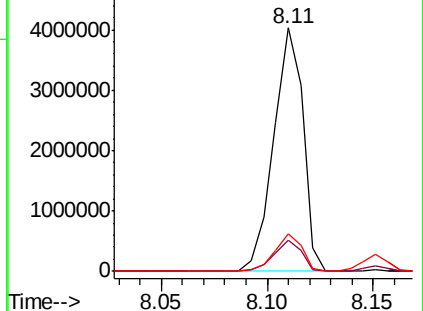
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 21.433 ng

RT: 7.83 min Scan# 976

Delta R.T. -0.02 min

Lab File: BF111144.D

Acq: 6 Dec 2018 18:05

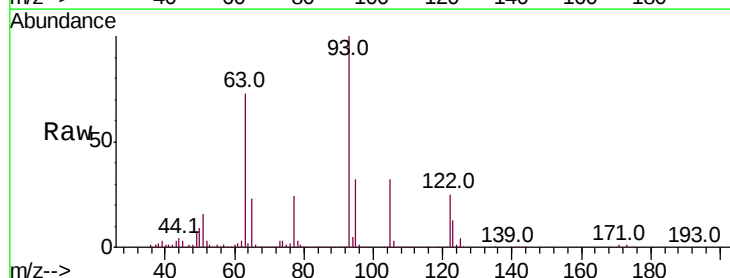
Tgt Ion:122 Resp: 395938

Ion Ratio Lower Upper

122 100

105 125.7 100.1 140.1

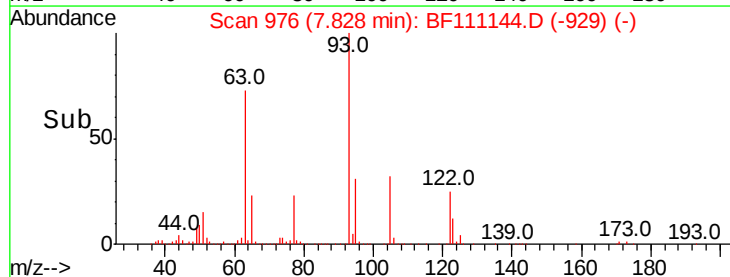
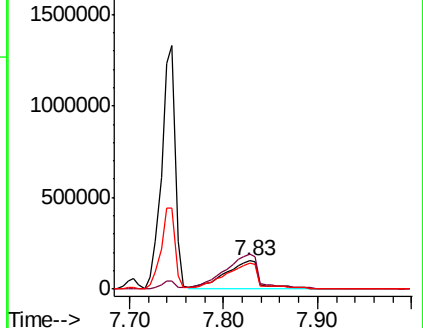
77 93.3 69.4 109.4

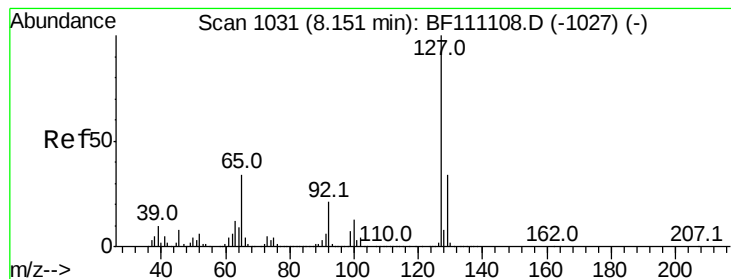


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





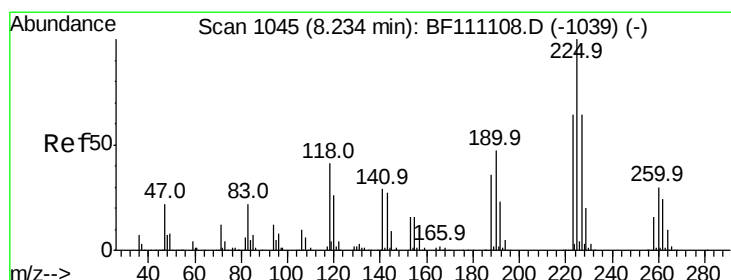
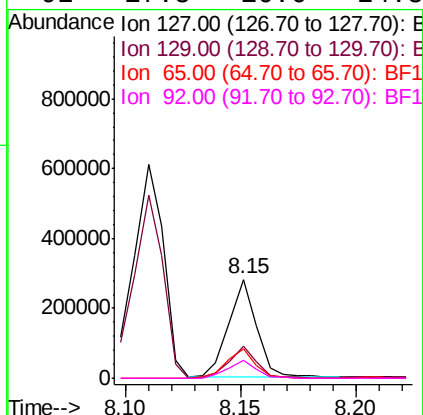
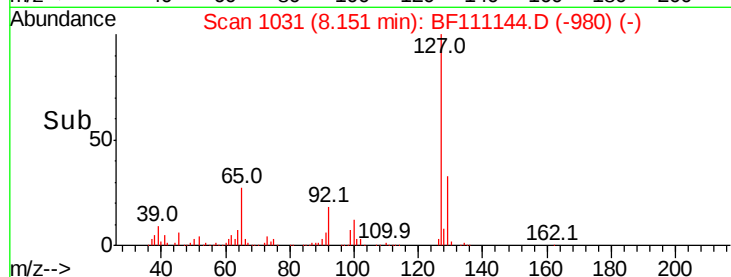
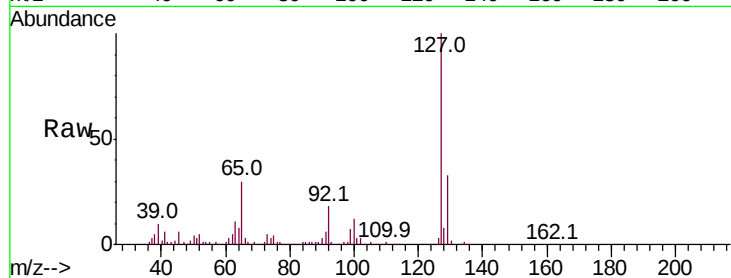
#33
4-Chloroaniline
Concen: 5.928 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.00 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Instrument :
BNA_F
ClientSampleId :
SB-2MSD

Tot Ion	Ion	Ratio	Resp	Lower	Upper
127	100				
129	32.6	27.0	40.6		
65	30.2	27.2	40.8		
92	17.8	16.6	24.8		

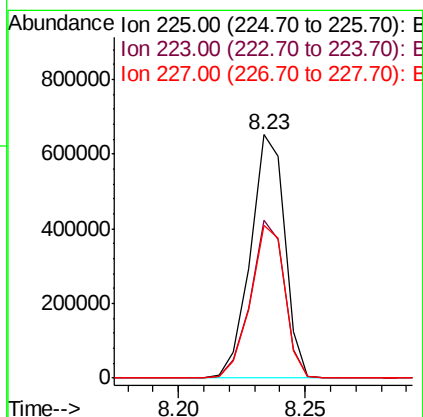
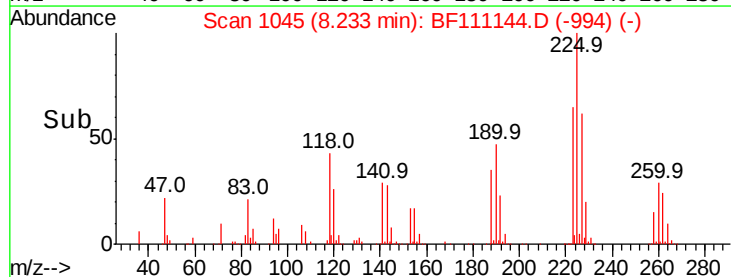
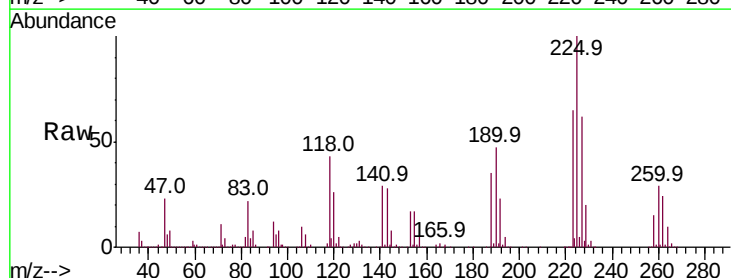
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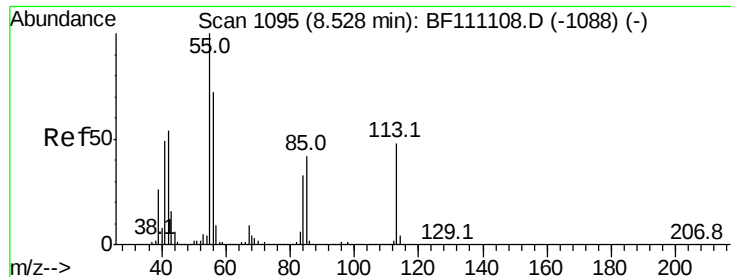
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#34
Hexachlorobutadiene
Concen: 40.746 ng
RT: 8.23 min Scan# 1045
Delta R.T. -0.00 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Tgt Ion	Ion	Ratio	Resp	Lower	Upper
225	100				
223	64.9	51.4	77.2		
227	62.5	51.0	76.4		





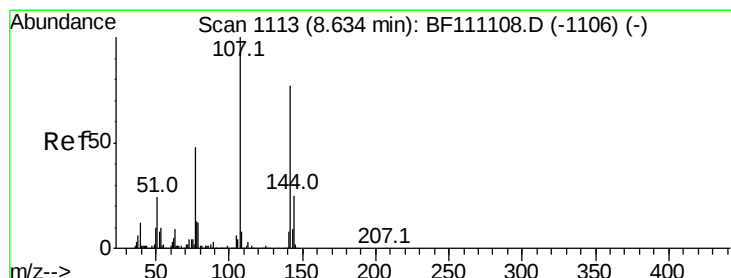
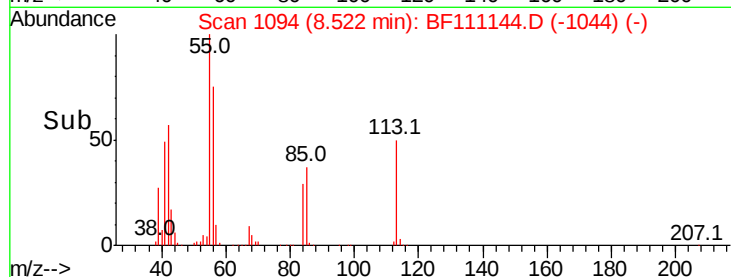
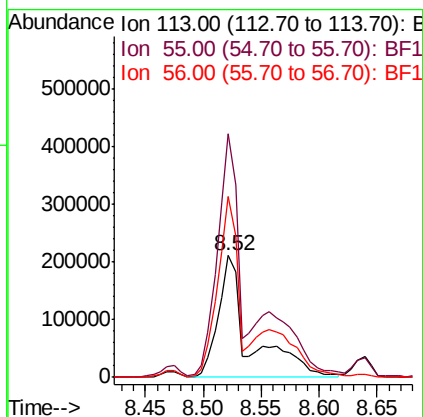
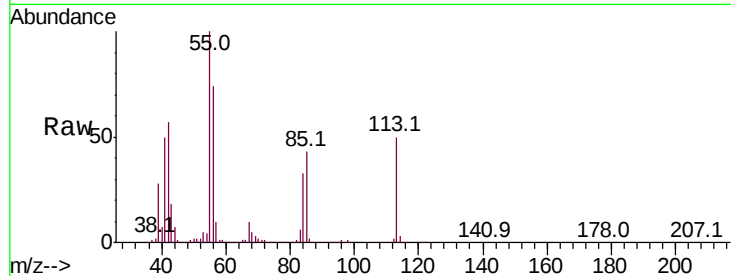
#35
Caprolactam
Concen: 38.733 ng/ml
RT: 8.52 min Scan# 1094
Delta R.T. -0.01 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Instrument :
BNA_F
ClientSampleId :
SB-2MSD

Tot Ion	Ratio	Lower	Upper
113	100		
55	200.4	190.6	230.6
56	149.1	130.9	170.9

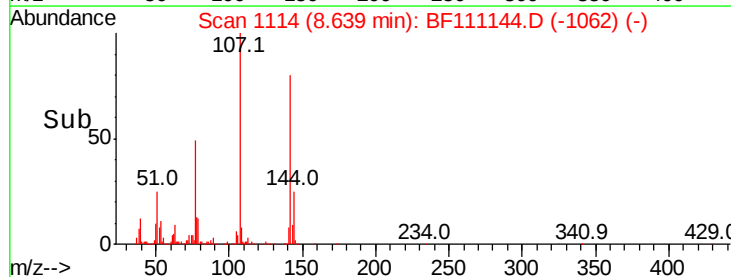
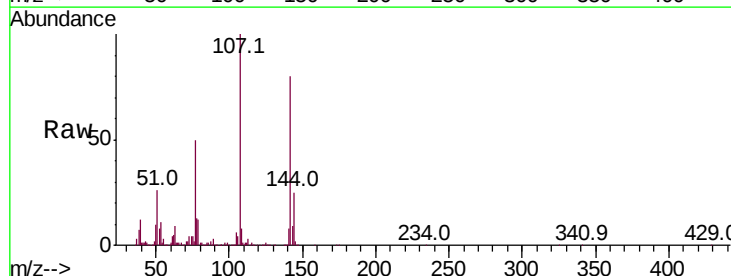
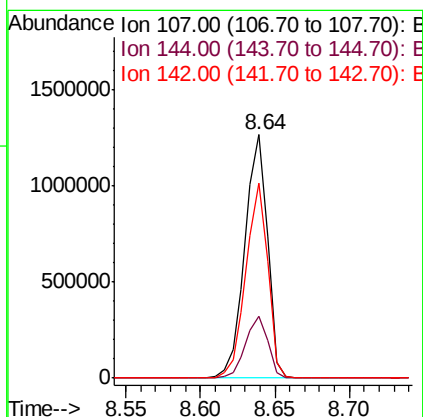
Manual Integrations
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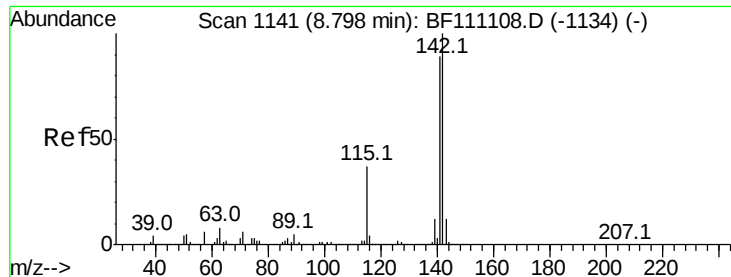
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#36
4-Chloro-3-methylphenol
Concen: 43.924 ng/ml
RT: 8.64 min Scan# 1114
Delta R.T. 0.01 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Tgt Ion	Ratio	Lower	Upper
107	100		
144	25.3	19.9	29.9
142	80.2	61.4	92.0





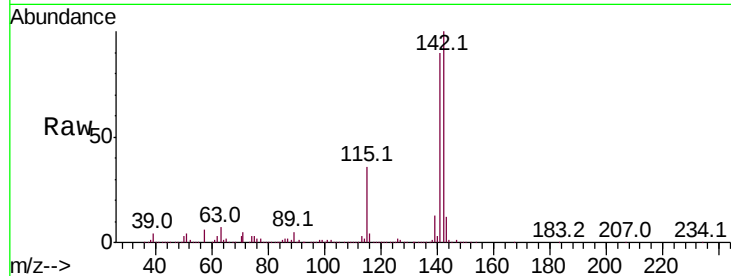
#37
2-Methylnaphthalene
Concen: 46.283 ng
RT: 8.80 min Scan# 1142
Delta R.T. 0.01 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Instrument :
BNA_F
ClientSampleId :
SB-2MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	90.1	71.4	107.0
115	36.1	29.2	43.8

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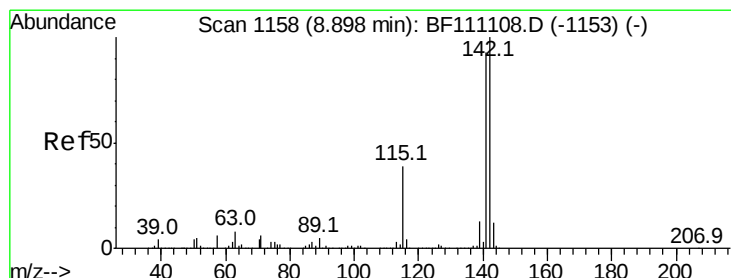
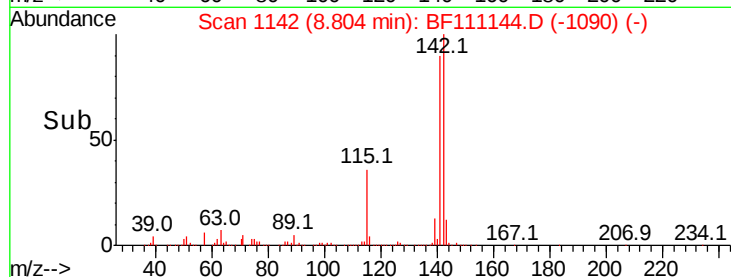
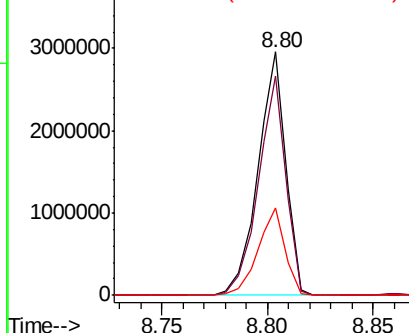


Abundance

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: 45.956 ng
RT: 8.90 min Scan# 1159
Delta R.T. 0.01 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

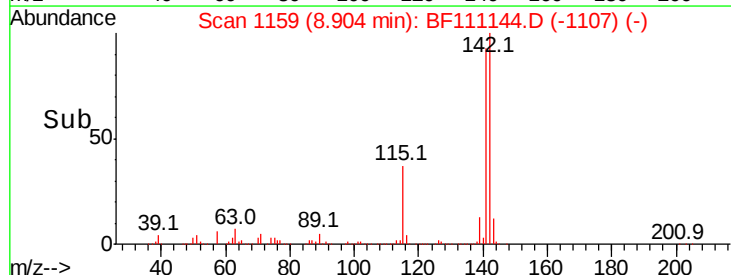
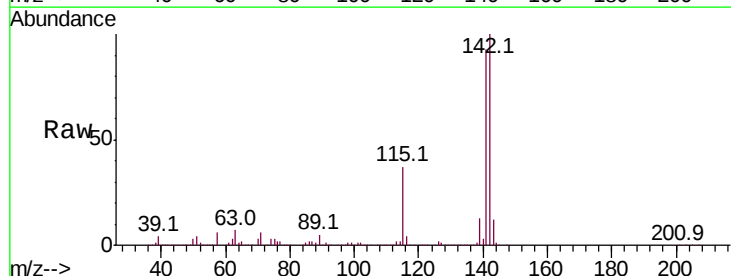
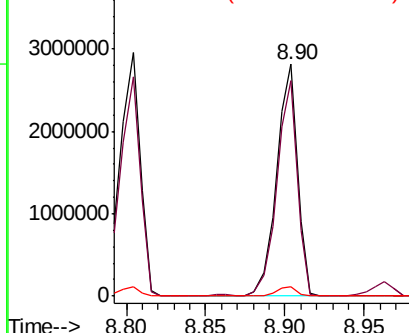
Tgt Ion	Ratio	Lower	Upper
142	100		
141	93.2	74.5	111.7
116	4.0	3.2	4.8

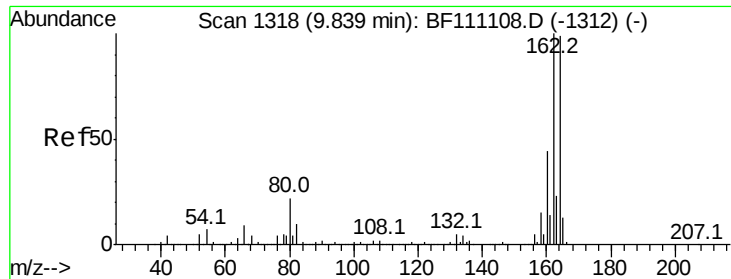
Abundance

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





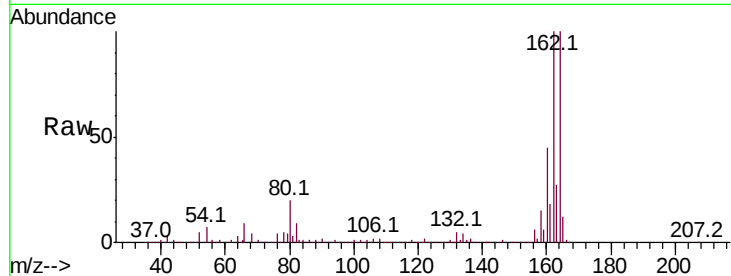
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.85 min Scan# 1319
Delta R.T. 0.01 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Instrument :
BNA_F
ClientSampled :
SB-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
164	100	917424		
162	99.9	80.6	120.8	
160	44.8	35.5	53.3	

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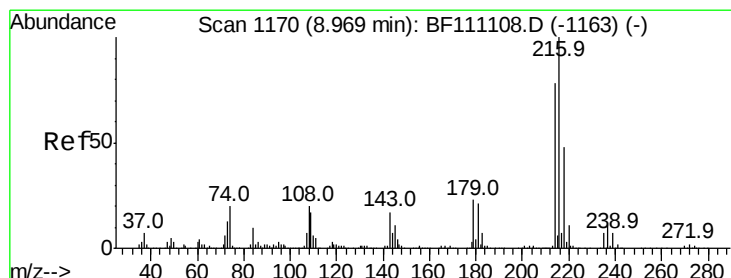
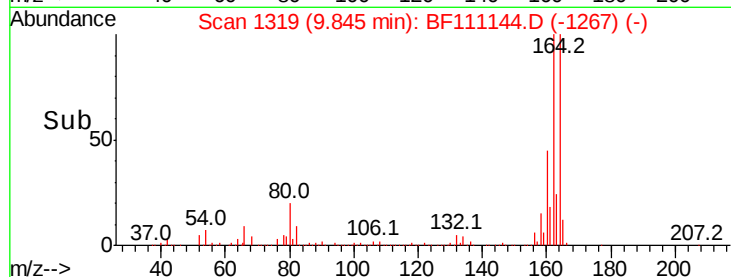
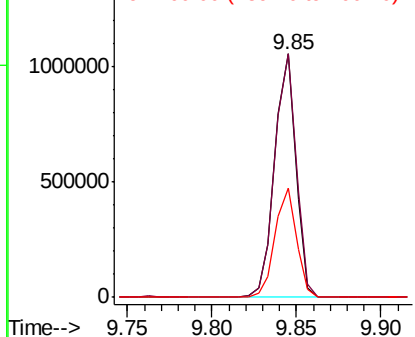


Abundance

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: 39.115 ng
RT: 8.97 min Scan# 1171
Delta R.T. 0.01 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Tgt Ion	Ratio	Resp	Lower	Upper
216	100	956402		
214	80.7	63.4	95.0	
179	23.1	18.5	27.7	
108	25.1	19.1	28.7	

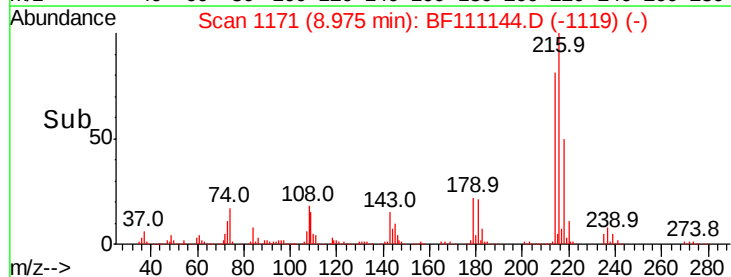
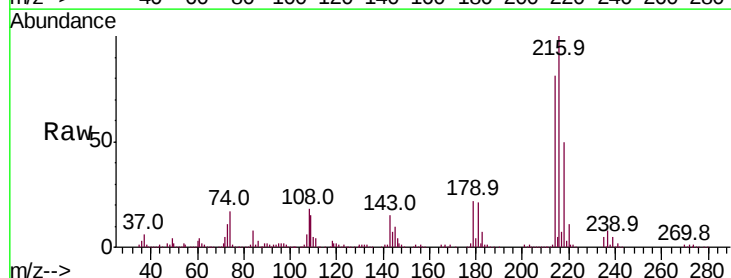
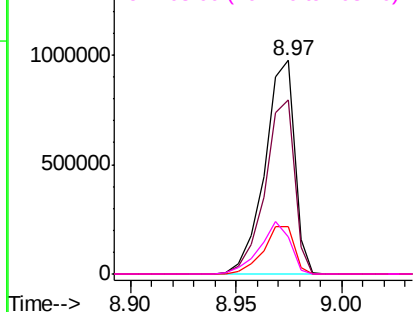
Abundance

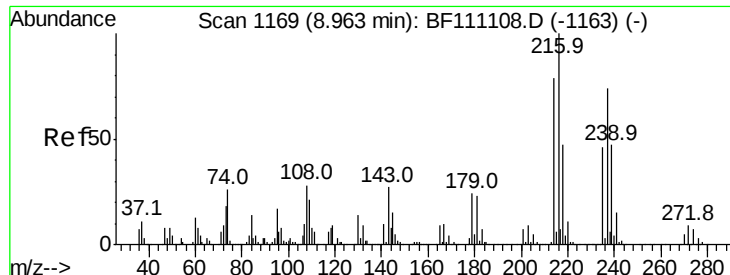
Ion 216.00 (215.70 to 216.70): E

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: 85.803 ng

RT: 8.96 min Scan# 1169

Delta R.T. -0.00 min

Lab File: BF111144.D

Acq: 6 Dec 2018 18:05

Instrument :

BNA_F

ClientSampleId :

SB-2MSD

Tot Ion:237 Resp: 1106243

Ion Ratio Lower Upper

237 100

235 64.2 41.9 81.9

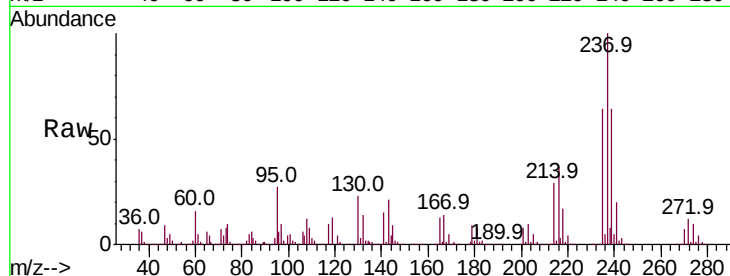
272 12.2 0.0 32.7

Manual Integrations

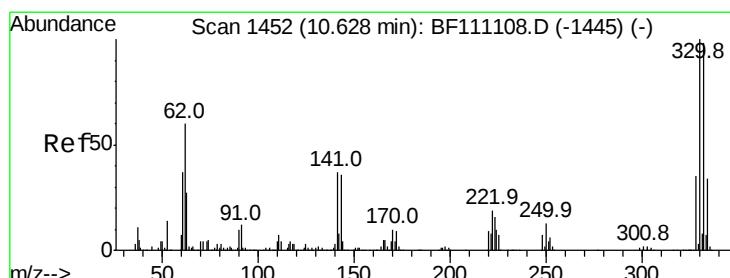
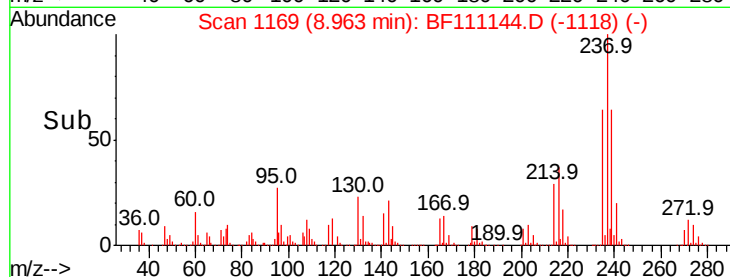
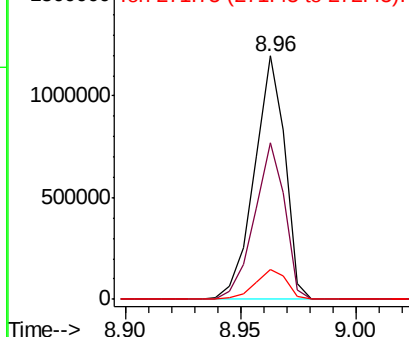
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Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E



#42

2,4,6-Tribromophenol

Concen: 133.626 ng

RT: 10.63 min Scan# 1453

Delta R.T. 0.01 min

Lab File: BF111144.D

Acq: 6 Dec 2018 18:05

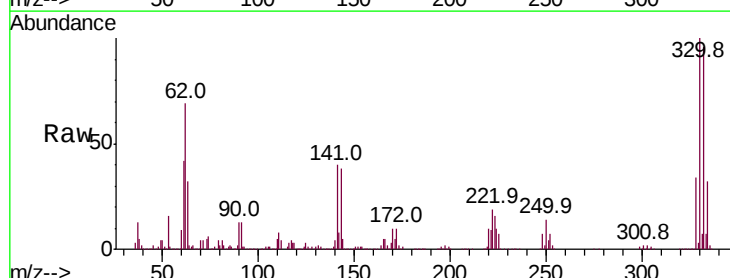
Tgt Ion:330 Resp: 974463

Ion Ratio Lower Upper

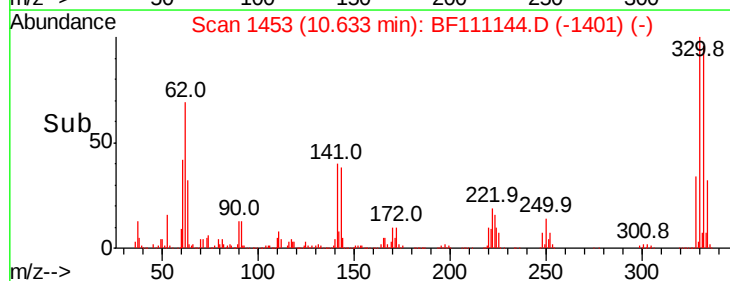
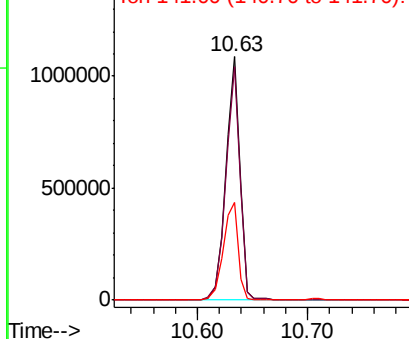
330 100

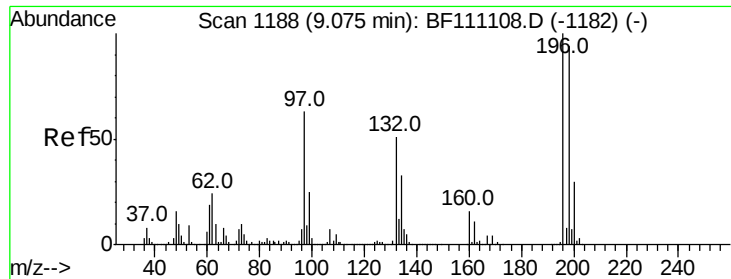
332 95.8 77.2 115.8

141 42.5 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





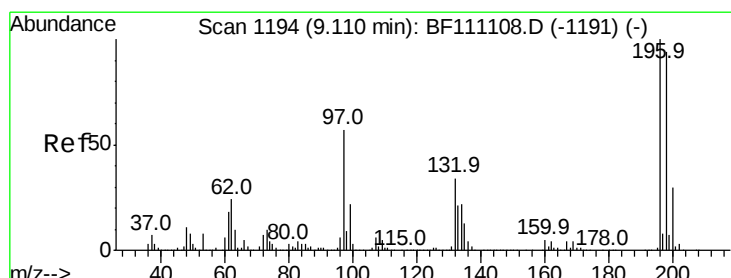
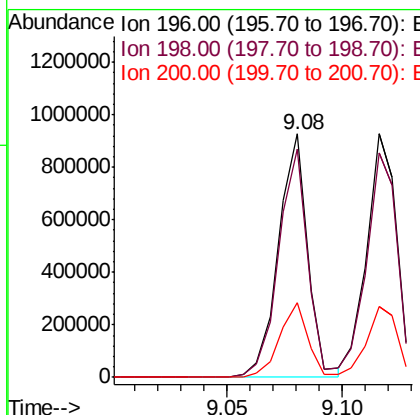
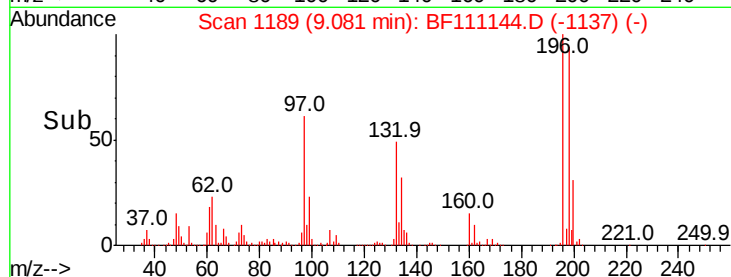
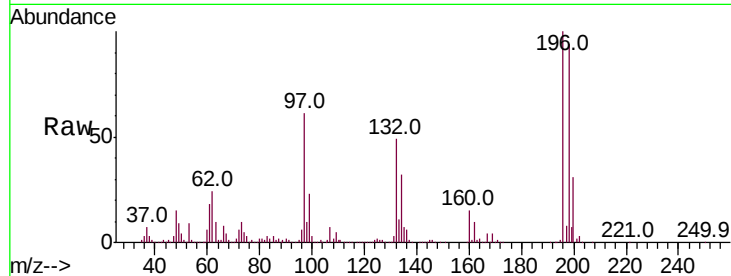
#43
 2,4,6-Trichlorophenol
 Concen: 45.426 ng
 RT: 9.08 min Scan# 1189
 Delta R.T. 0.01 min
 Lab File: BF111144.D
 Acq: 6 Dec 2018 18:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
196	100	811225		
198	93.7	75.4	113.0	
200	30.6	24.2	36.4	

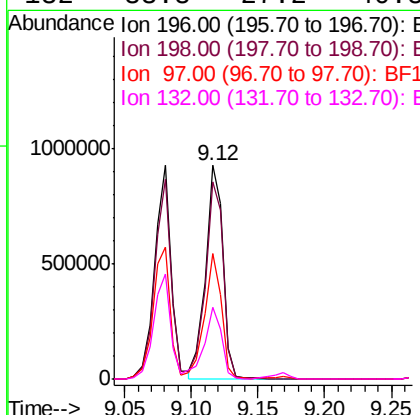
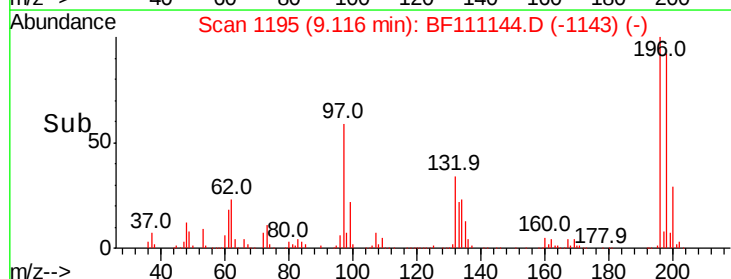
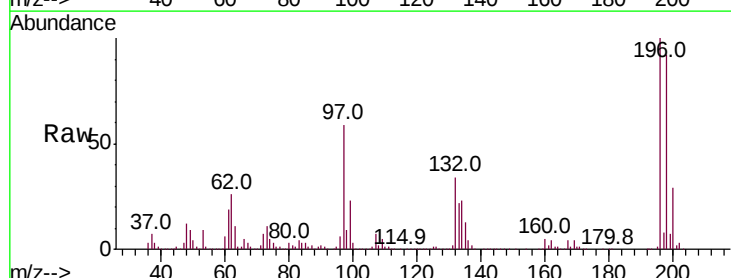
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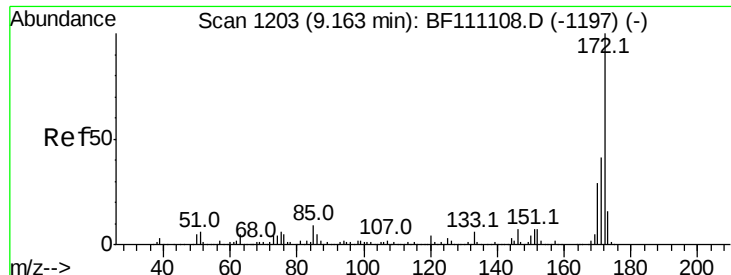
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#44
 2,4,5-Trichlorophenol
 Concen: 46.338 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. 0.01 min
 Lab File: BF111144.D
 Acq: 6 Dec 2018 18:05

Tgt Ion	Ratio	Resp	Lower	Upper
196	100	838849		
198	92.2	75.0	112.4	
97	59.0	46.2	69.4	
132	33.8	27.2	40.8	





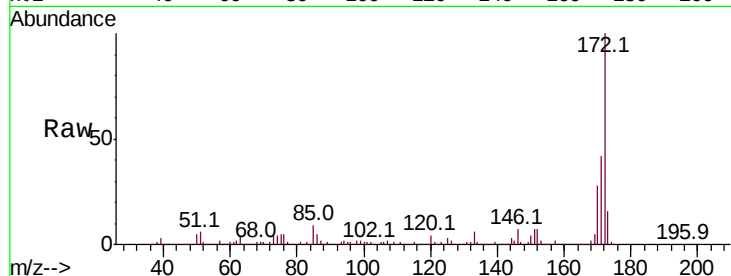
#45
2-Fluorobiphenyl
Concen: 94.681 ng
RT: 9.17 min Scan# 1204
Delta R.T. 0.01 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Instrument :
BNA_F
ClientSampled :
SB-2MSD

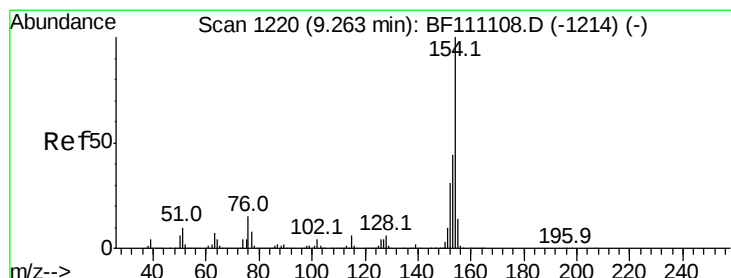
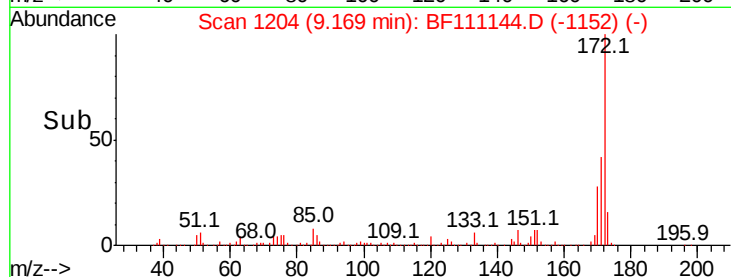
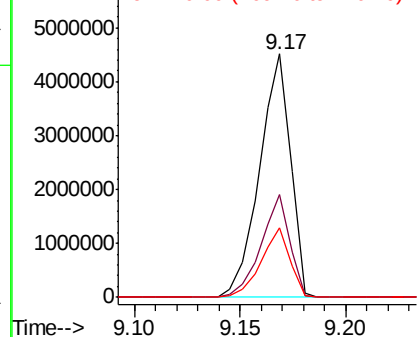
Tot Ion:172 Resp: 4611441
Ion Ratio Lower Upper
172 100
171 42.2 33.2 49.8
170 28.5 22.9 34.3

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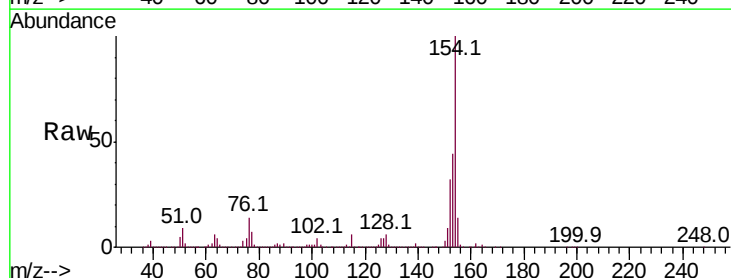


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

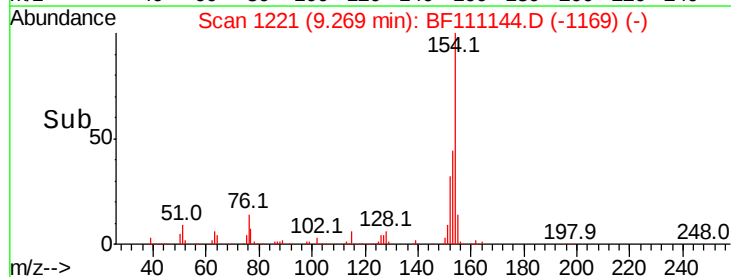
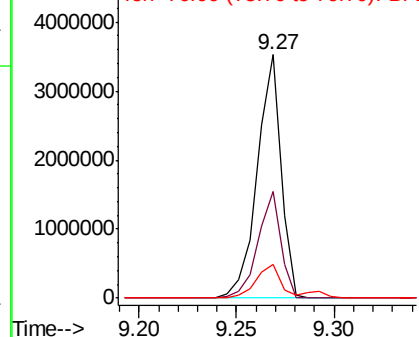


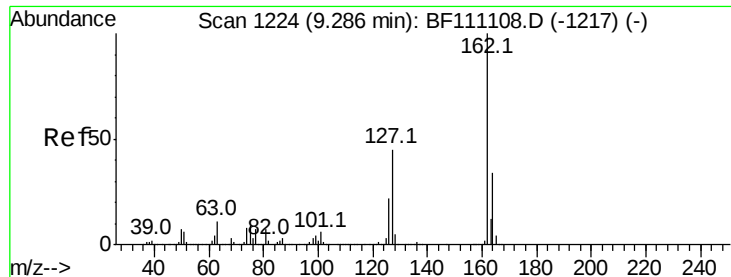
#46
1,1'-Biphenyl
Concen: 39.794 ng
RT: 9.27 min Scan# 1221
Delta R.T. 0.01 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Tgt Ion:154 Resp: 2988625
Ion Ratio Lower Upper
154 100
153 44.0 23.7 63.7
76 13.9 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





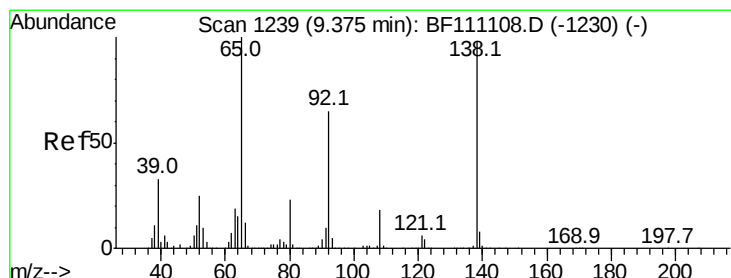
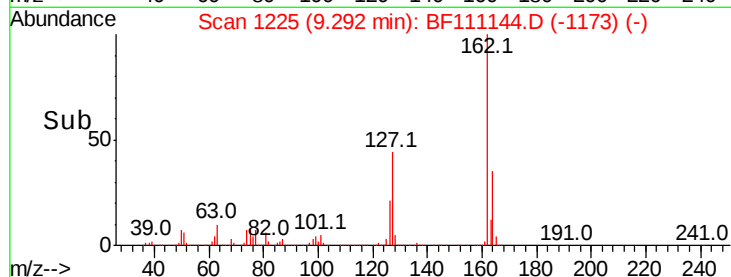
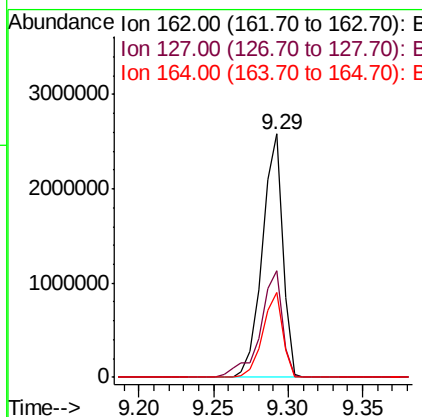
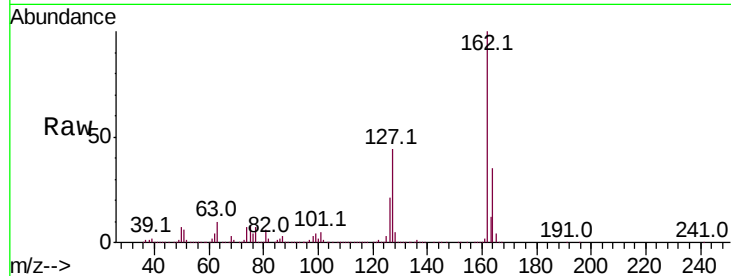
#47
2-Chloronaphthalene
Concen: 41.431 ng
RT: 9.29 min Scan# 1225
Delta R.T. 0.01 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Instrument :
BNA_F
ClientSampleId :
SB-2MSD

Tot Ion	Ratio	Lower	Upper
162	100		
127	44.1	36.4	54.6
164	34.9	27.3	40.9

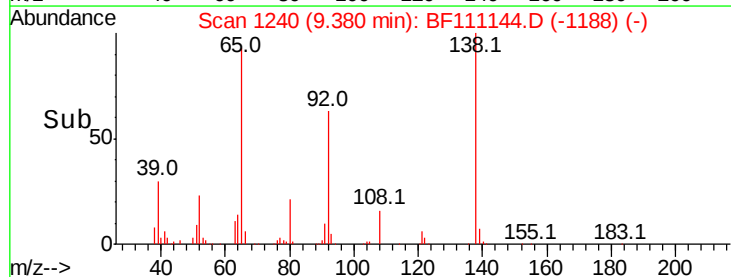
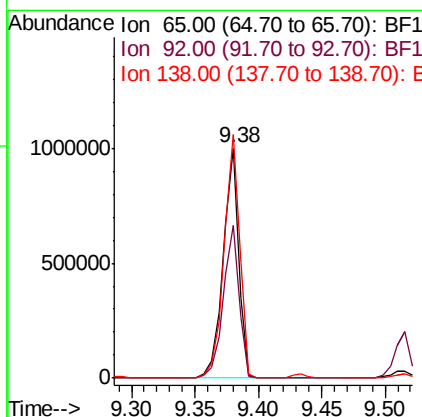
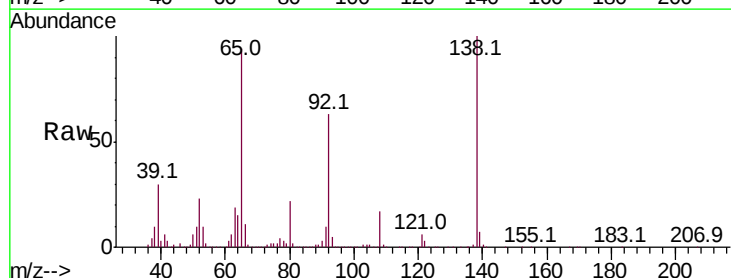
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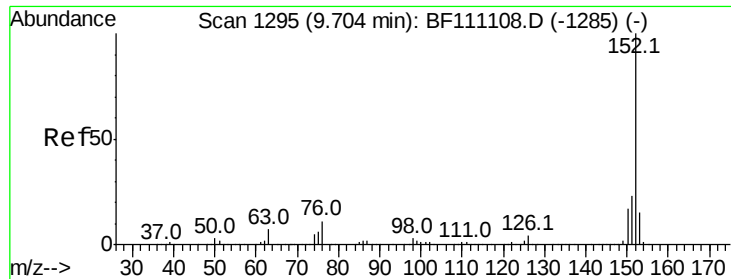
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#48
2-Nitroaniline
Concen: 45.286 ng
RT: 9.38 min Scan# 1240
Delta R.T. 0.01 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Tgt Ion	Ratio	Lower	Upper
65	100		
92	66.7	52.1	78.1
138	106.0	78.2	117.4





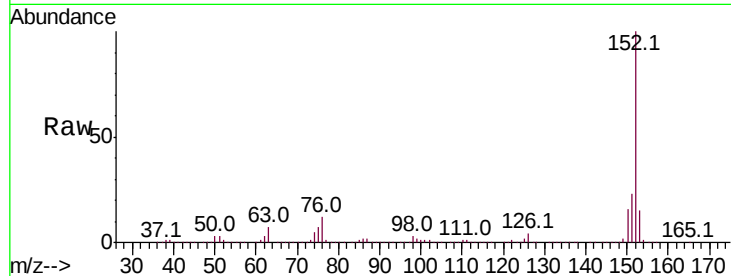
#49
Acenaphthylene
Concen: 46.228 ng
RT: 9.70 min Scan# 1295
Delta R.T. -0.00 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Instrument :
BNA_F
ClientSampleId :
SB-2MSD

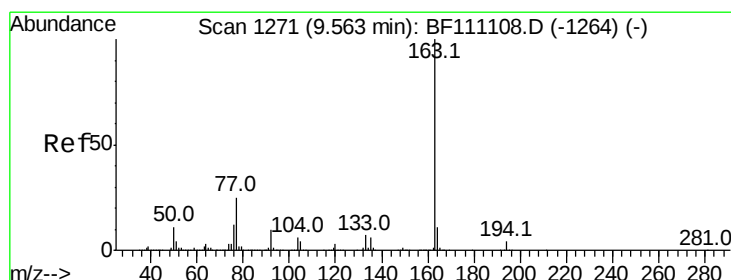
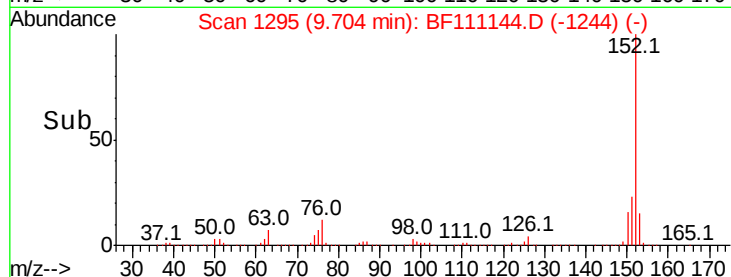
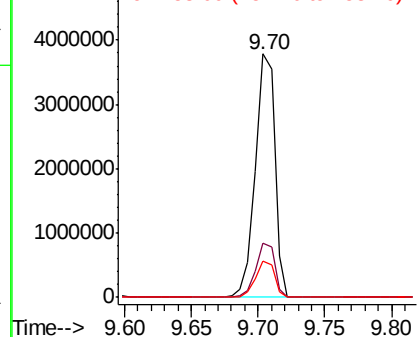
Tot Ion	Ratio	Lower	Upper
152	100		
151	22.5	18.3	27.5
153	15.1	11.8	17.8

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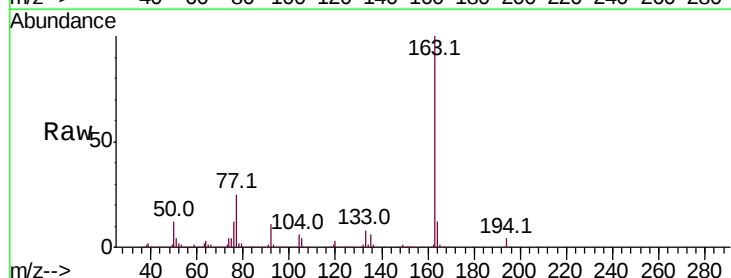


Abundance Ion 152.00 (151.70 to 152.70): E
Ion 151.00 (150.70 to 151.70): E
Ion 153.00 (152.70 to 153.70): E

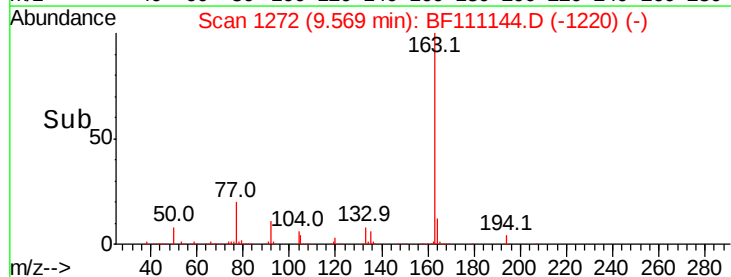
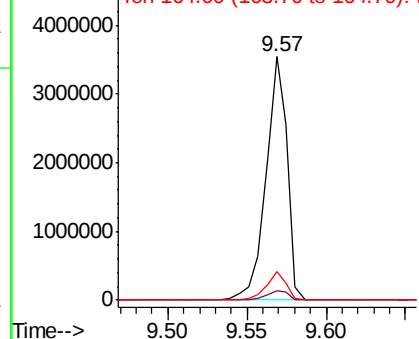


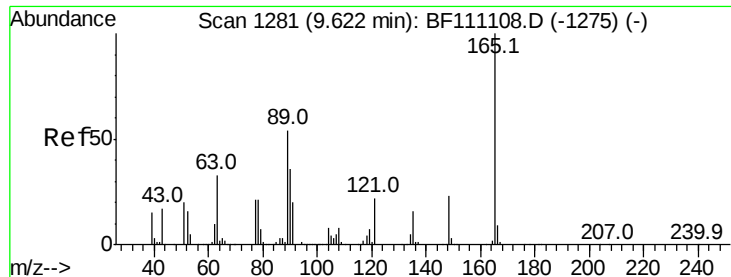
#50
Dimethylphthalate
Concen: 51.900 ng
RT: 9.57 min Scan# 1272
Delta R.T. 0.01 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.0	3.0	4.4
164	11.6	8.9	13.3



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





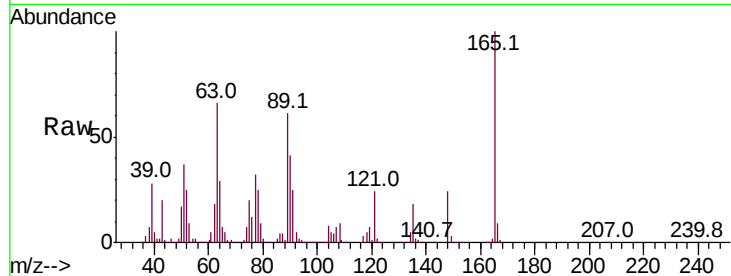
#51
 2,6-Dinitrotoluene
 Concen: 48.870 ng
 RT: 9.62 min Scan# 1281
 Delta R.T. -0.00 min
 Lab File: BF111144.D
 Acq: 6 Dec 2018 18:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-2MSD

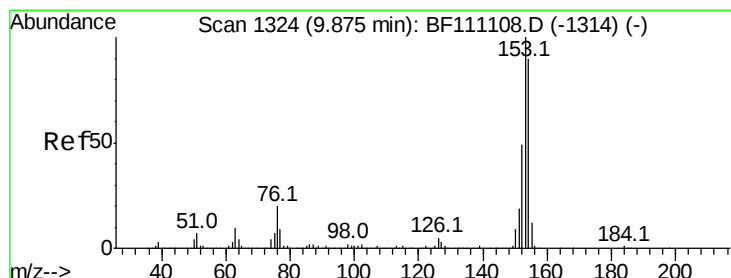
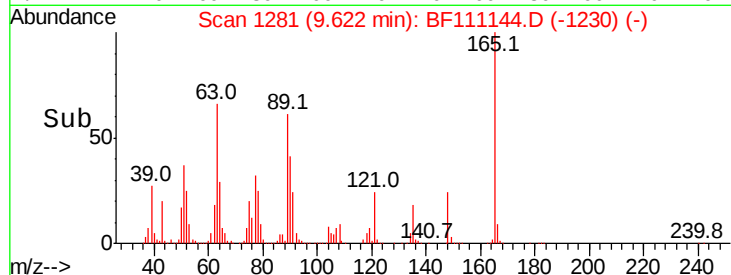
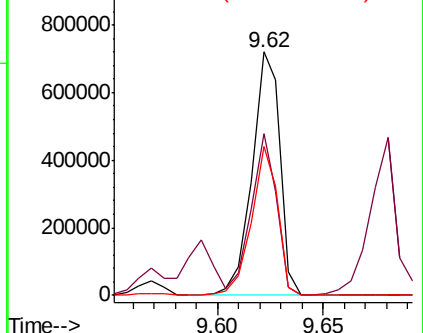
Tot Ion	Ratio	Resp	Lower	Upper
165	100	661556		
63	66.3	44.7	67.1	
89	61.3	43.0	64.4	

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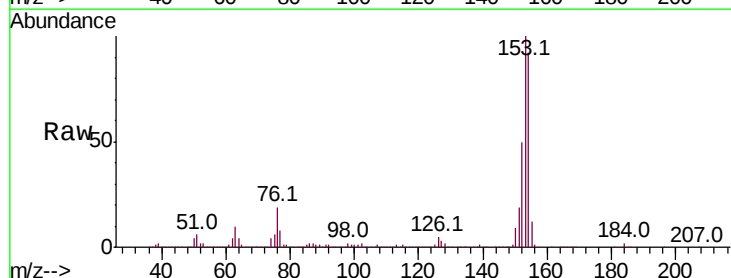


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

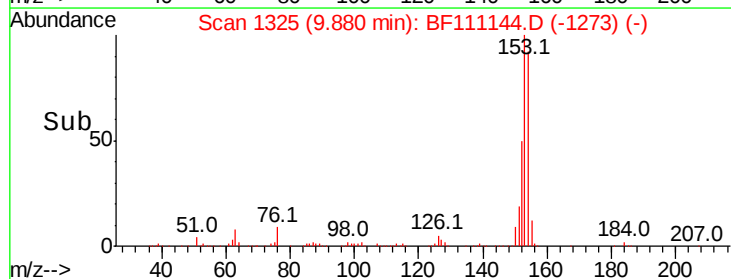
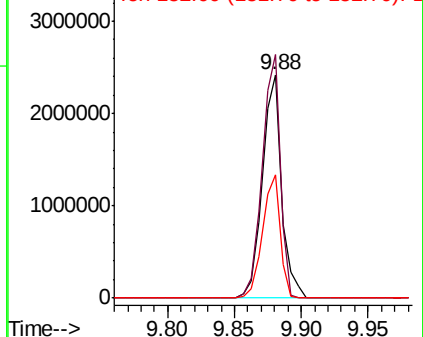


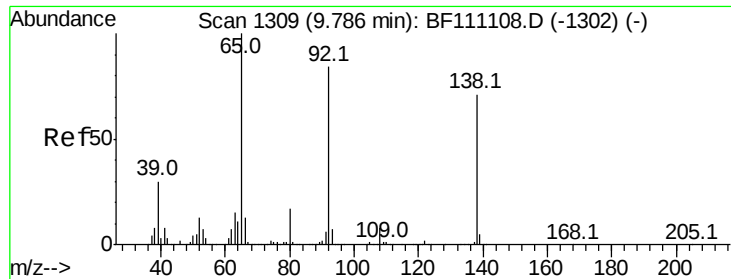
#52
 Acenaphthene
 Concen: 44.287 ng
 RT: 9.88 min Scan# 1325
 Delta R.T. 0.01 min
 Lab File: BF111144.D
 Acq: 6 Dec 2018 18:05

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	2386698		
153	108.8	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





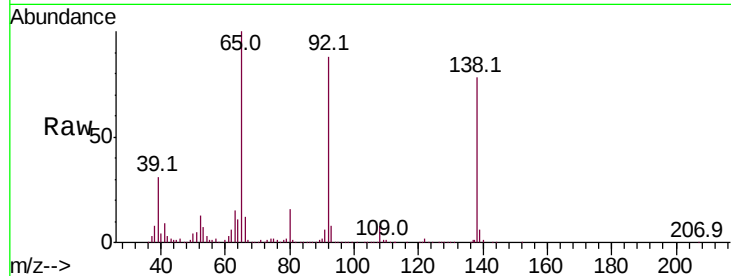
#53
3-Nitroaniline
Concen: 18.689 ng
RT: 9.79 min Scan# 1309
Delta R.T. -0.00 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Instrument :
BNA_F
ClientSampled :
SB-2MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	10.7	9.4	14.0
92	112.3	94.1	141.1

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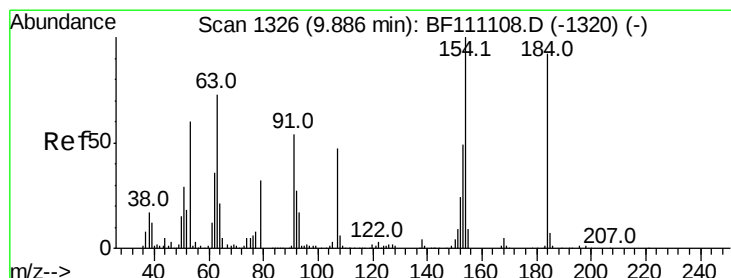
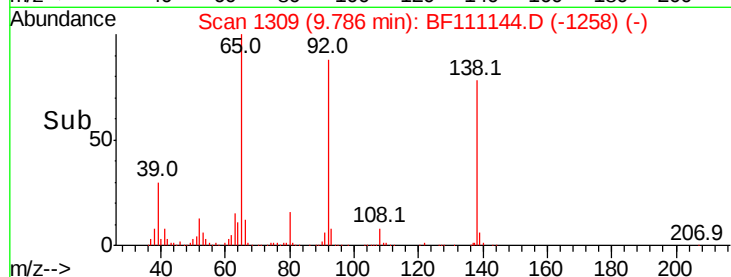
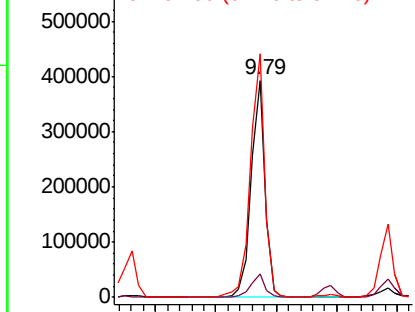


Abundance

Ion 138.00 (137.70 to 138.70): E

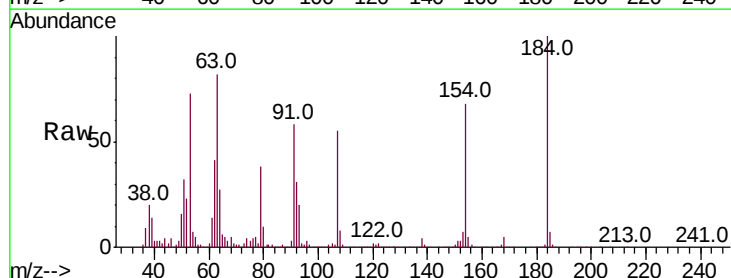
Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1



#54
2,4-Dinitrophenol
Concen: 75.457 ng
RT: 9.89 min Scan# 1327
Delta R.T. 0.01 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Tgt Ion	Ratio	Lower	Upper
184	100		
63	82.4	64.2	96.4
154	68.0	89.5	134.3#

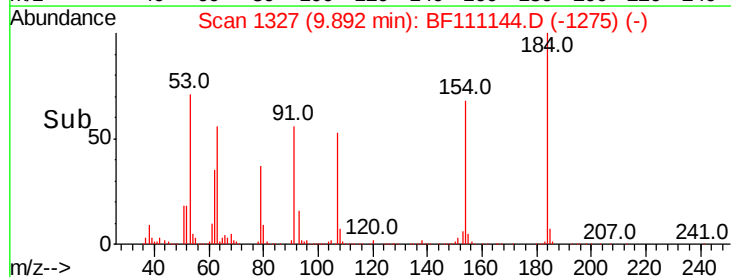
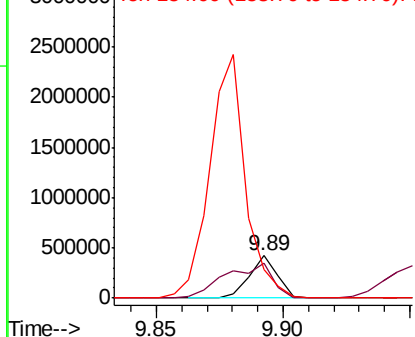


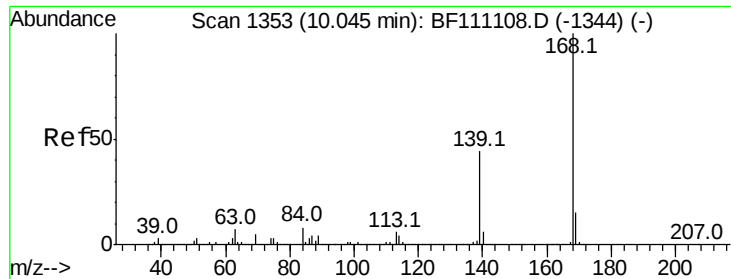
Abundance

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





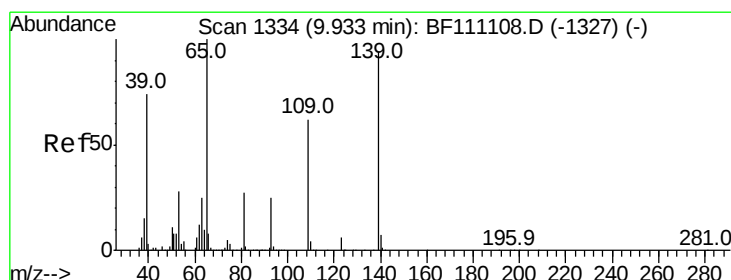
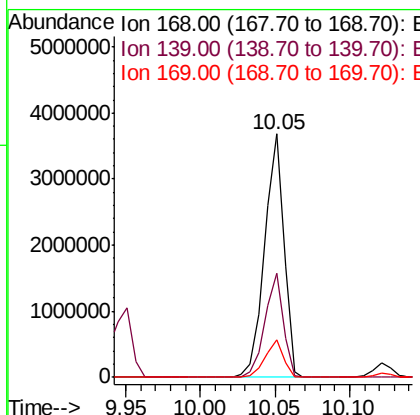
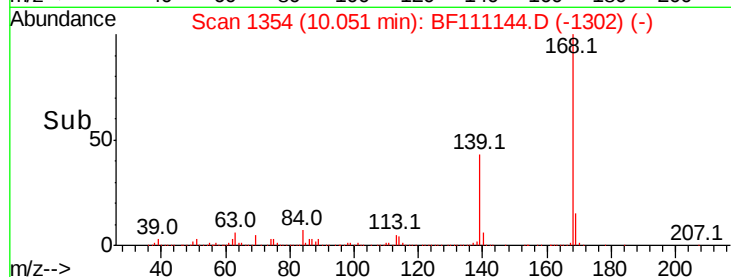
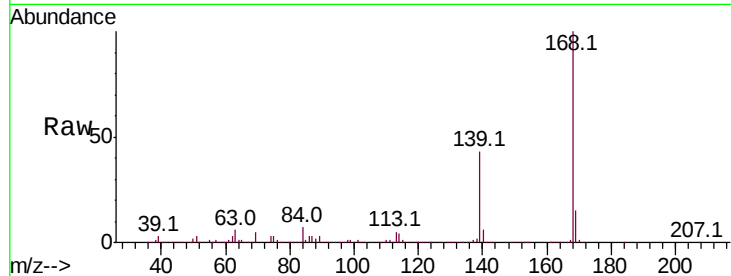
#55
Dibenzofuran
Concen: 43.982 ng
RT: 10.05 min Scan# 1354
Delta R.T. 0.01 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Instrument :
BNA_F
ClientSampled :
SB-2MSD

Tot Ion:168 Resp: 3264723
Ion Ratio Lower Upper
168 100
139 42.7 35.1 52.7
169 15.2 12.2 18.4

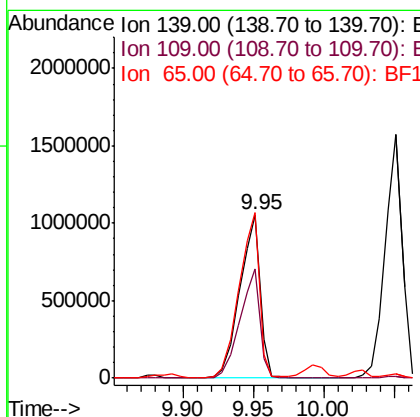
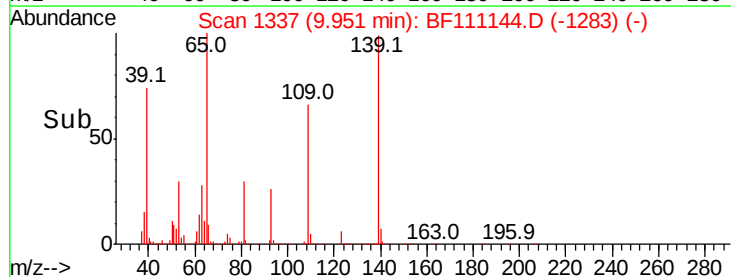
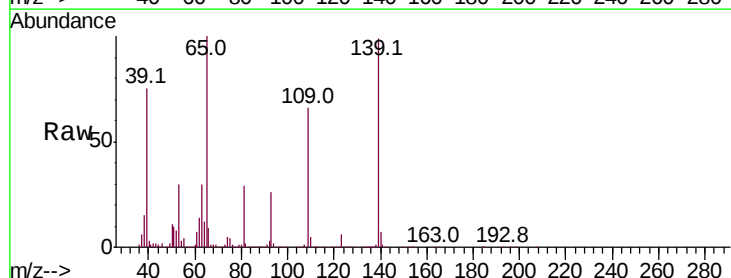
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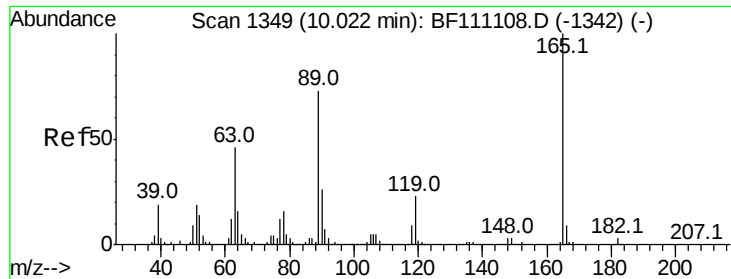
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#56
4-Nitrophenol
Concen: 82.354 ng
RT: 9.95 min Scan# 1337
Delta R.T. 0.02 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Tgt Ion:139 Resp: 1055249
Ion Ratio Lower Upper
139 100
109 67.0 46.1 86.1
65 101.0 87.0 127.0





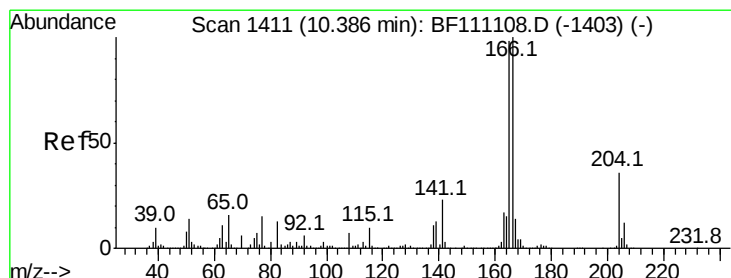
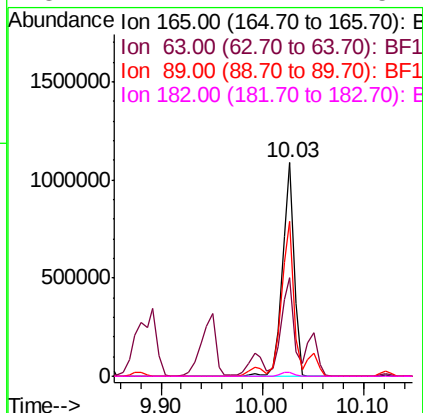
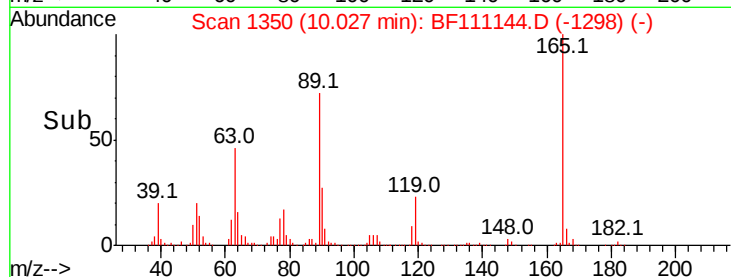
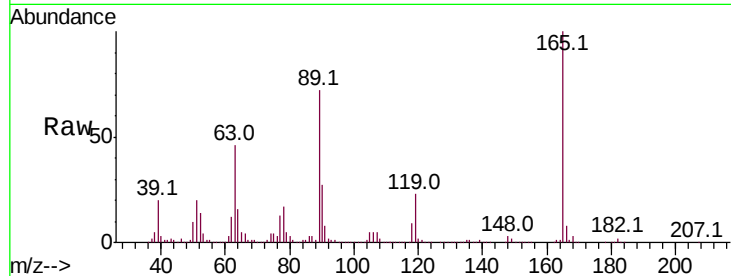
#57
2,4-Dinitrotoluene
Concen: 50.574 ng
RT: 10.03 min Scan# 1350
Delta R.T. 0.01 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Instrument :
BNA_F
ClientSampleId :
SB-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	884185		
63	46.2	36.7	55.1	
89	72.5	58.4	87.6	
182	2.1	2.1	3.1	

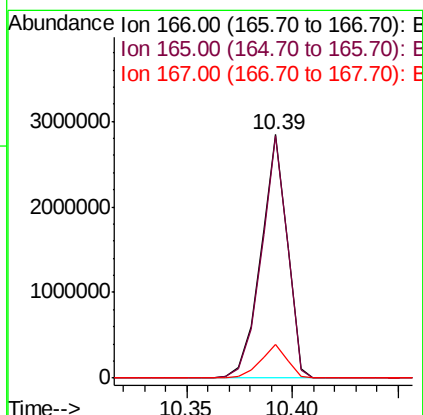
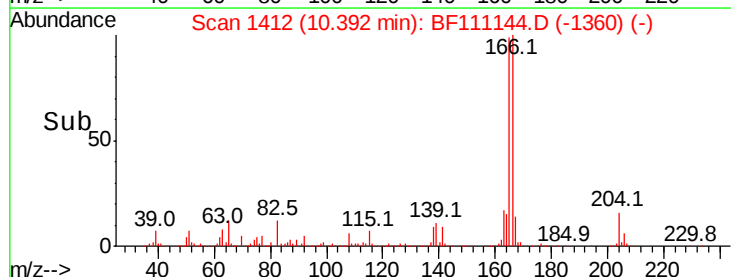
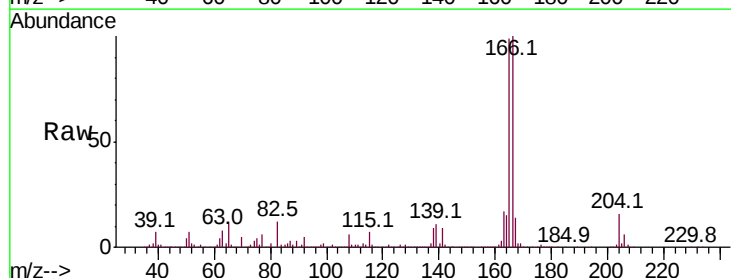
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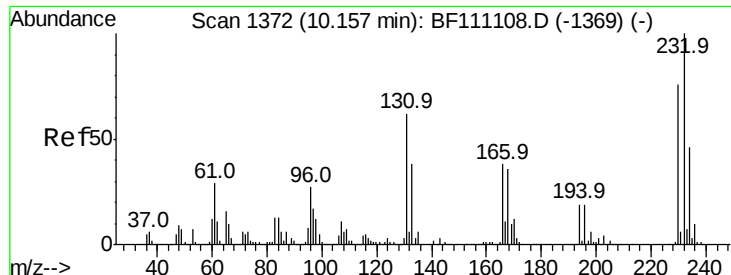
mohammad
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#58
Fluorene
Concen: 46.895 ng
RT: 10.39 min Scan# 1412
Delta R.T. 0.01 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Tgt Ion	Ratio	Resp	Lower	Upper
166	100	2454681		
165	99.4	78.4	117.6	
167	14.1	11.4	17.2	





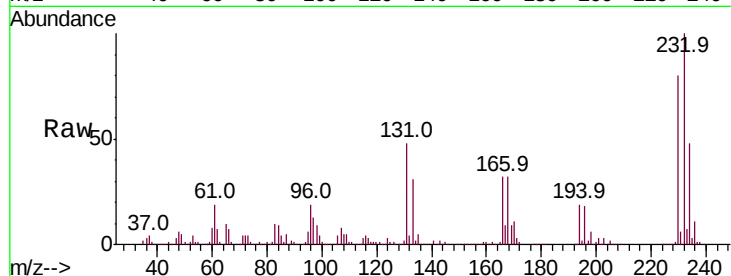
#59
2,3,4,6-Tetrachlorophenol
Concen: 49.012 ng
RT: 10.17 min Scan# 1374
Delta R.T. 0.01 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Instrument :
BNA_F
ClientSampled :
SB-2MSD

Tot Ion	Ratio	Lower	Upper
232	100		
131	54.0	40.4	60.6
130	2.7	2.1	3.1
166	34.2	23.0	34.6

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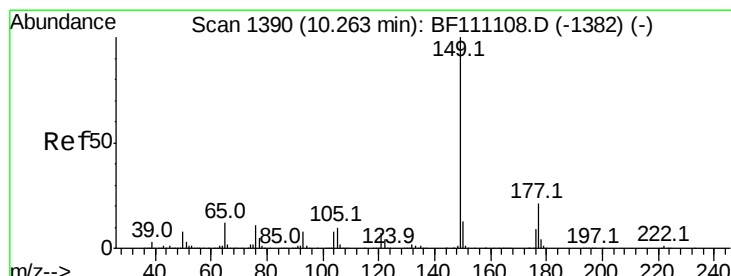
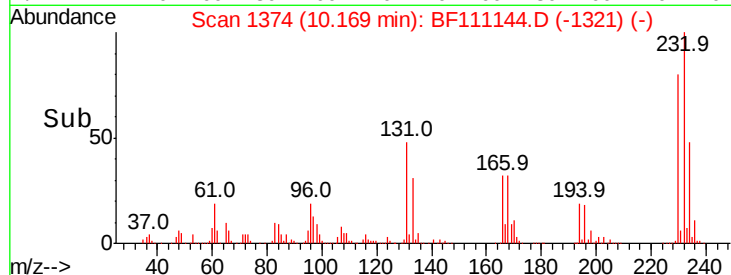
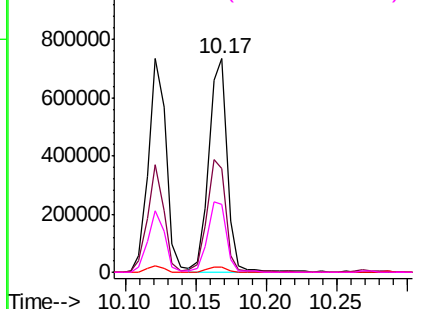
Abundance

Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

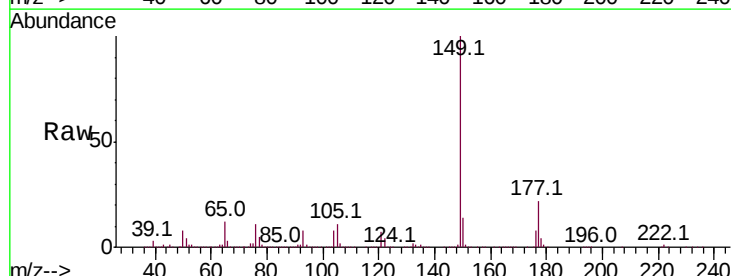
Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E



#60
Diethylphthalate
Concen: 44.309 ng
RT: 10.27 min Scan# 1391
Delta R.T. 0.01 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Tgt Ion	Ratio	Lower	Upper
149	100		
177	21.9	17.0	25.6
150	13.6	10.5	15.7

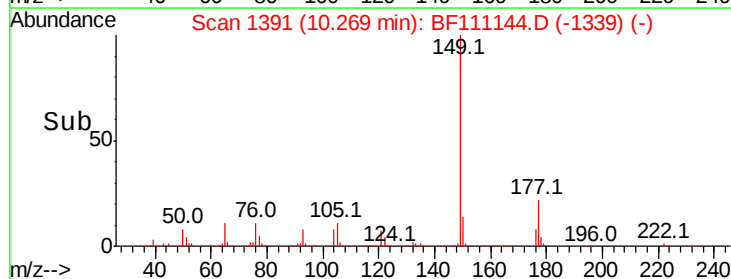
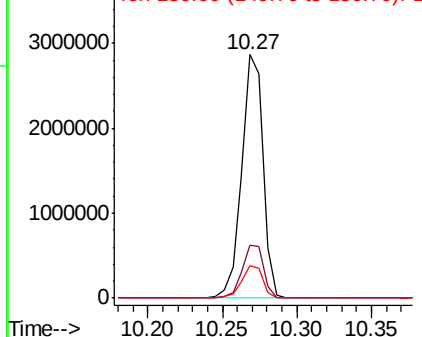


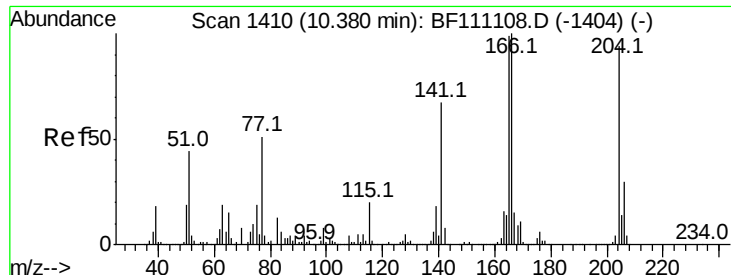
Abundance

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





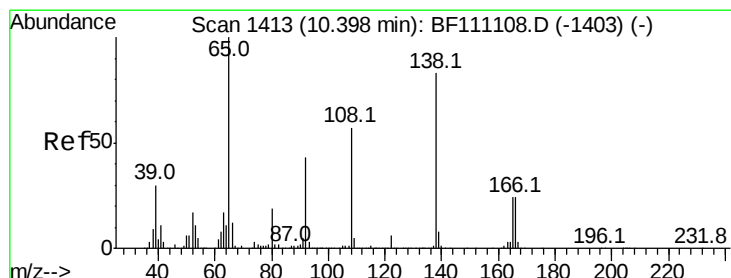
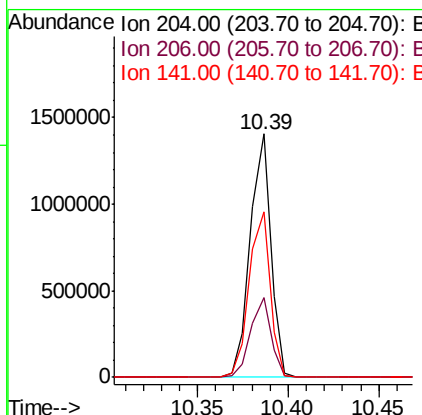
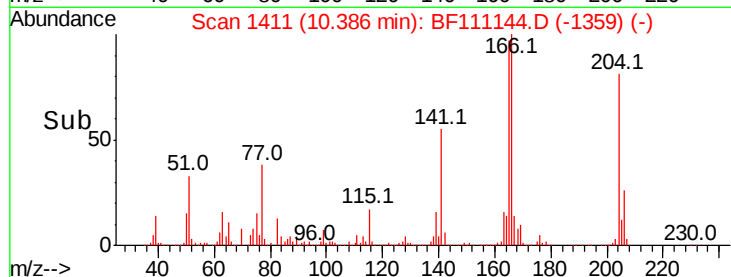
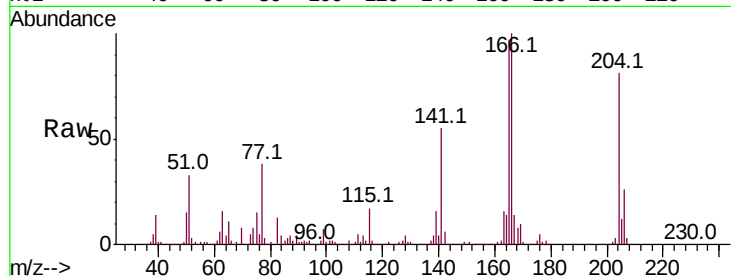
#61
4-Chlorophenyl-phenylether
Concen: 43.326 ng
RT: 10.39 min Scan# 1411
Delta R.T. 0.01 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Instrument :
BNA_F
ClientSampled :
SB-2MSD

Tot Ion:204 Resp: 1117626
Ion Ratio Lower Upper
204 100
206 32.7 25.9 38.9
141 68.0 57.4 86.0

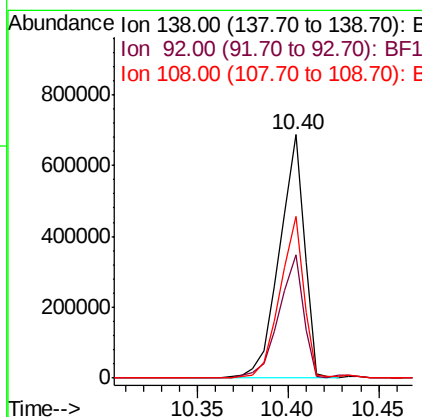
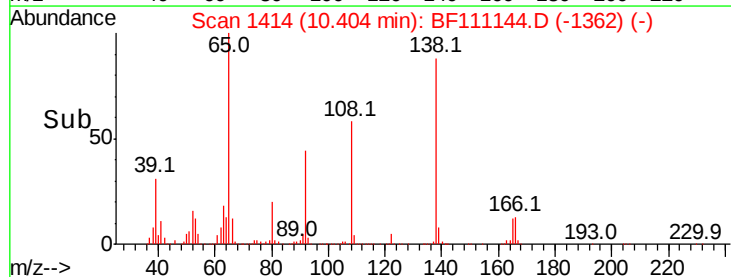
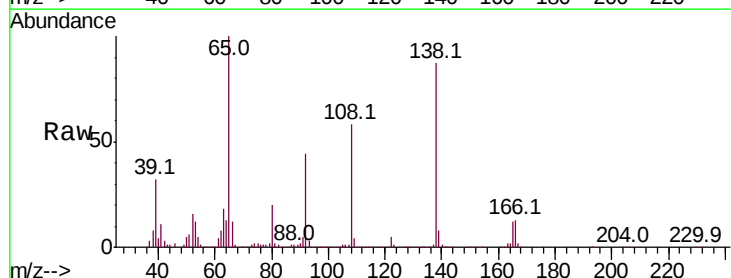
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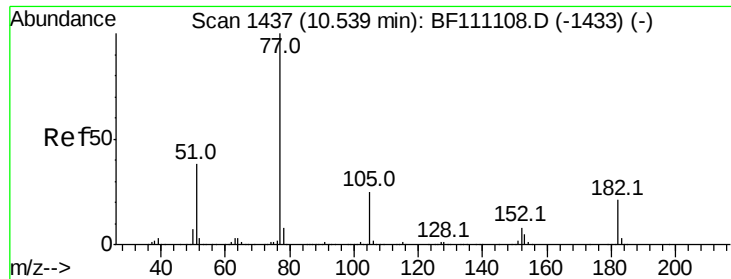
mohammad
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#62
4-Nitroaniline
Concen: 43.040 ng
RT: 10.40 min Scan# 1414
Delta R.T. 0.01 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Tgt Ion:138 Resp: 660525
Ion Ratio Lower Upper
138 100
92 50.4 31.6 71.6
108 66.6 48.3 88.3





#63

Azobenzene

Concen: 42.258 ng

RT: 10.55 min Scan# 1438

Delta R.T. 0.01 min

Lab File: BF111144.D

Acq: 6 Dec 2018 18:05

Instrument :

BNA_F

ClientSampleId :

SB-2MSD

Tot Ion: 77 Resp: 2870727

Ion Ratio Lower Upper

77 100

182 23.7 1.4 41.4

105 25.1 4.7 44.7

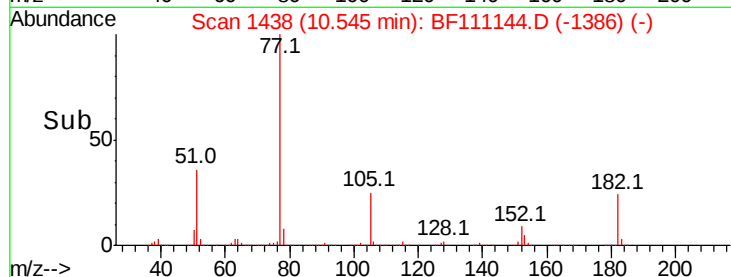
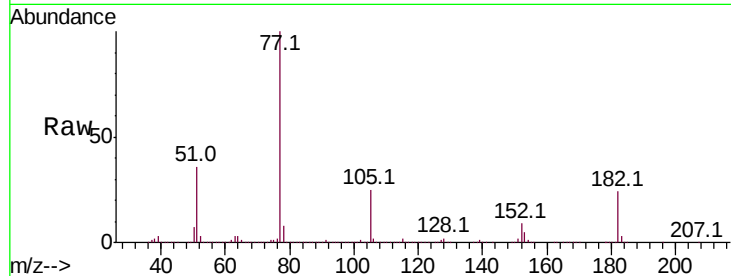
51 36.5 18.0 58.0

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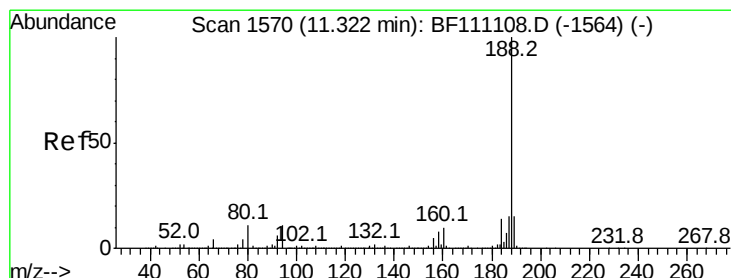
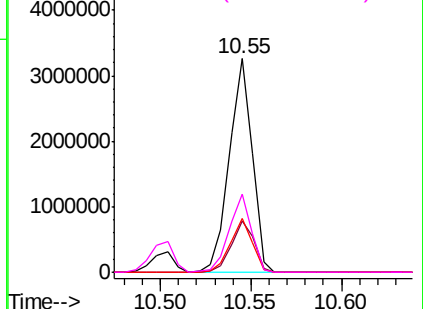


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.33 min Scan# 1571

Delta R.T. 0.01 min

Lab File: BF111144.D

Acq: 6 Dec 2018 18:05

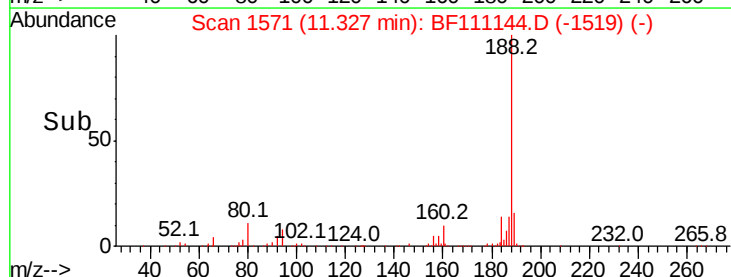
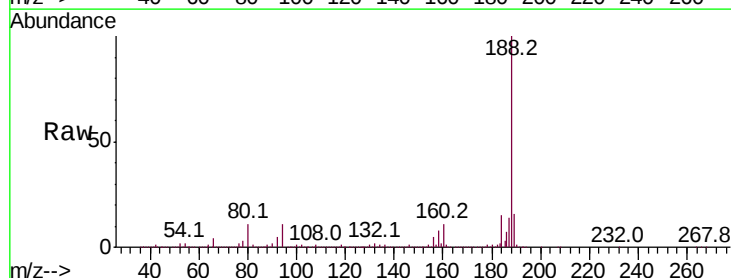
Tgt Ion: 188 Resp: 1543503

Ion Ratio Lower Upper

188 100

94 10.7 8.5 12.7

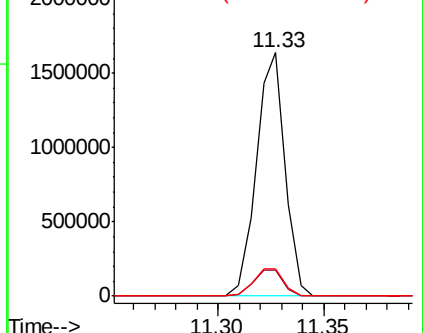
80 11.0 9.0 13.6

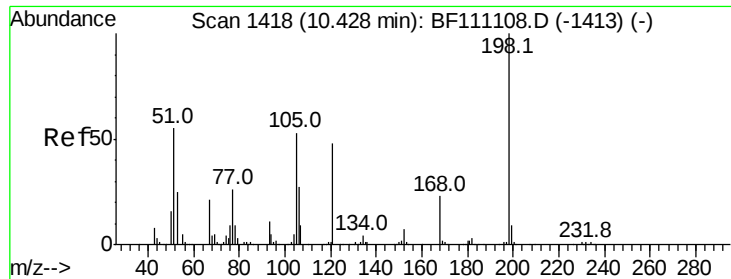


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





#65

4,6-Dinitro-2-methylphenol

Concen: 42.890 ng

RT: 10.43 min Scan# 1419

Delta R.T. 0.01 min

Lab File: BF111144.D

Acq: 6 Dec 2018 18:05

Instrument :

BNA_F

ClientSampleId :

SB-2MSD

Tot Ion:198 Resp: 273497

Ion Ratio Lower Upper

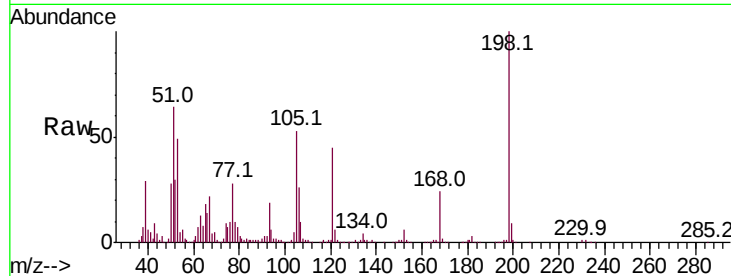
198 100

51 63.6 48.8 88.8

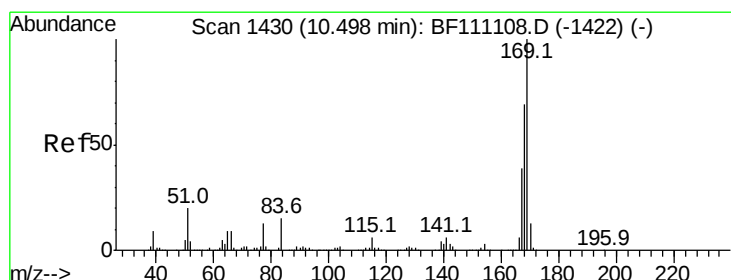
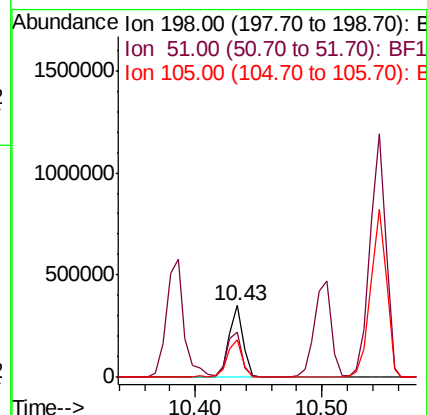
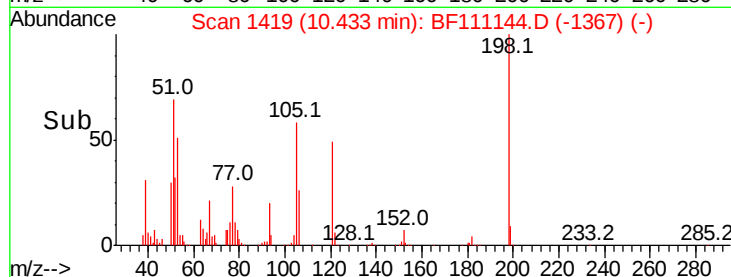
105 53.0 35.2 75.2

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Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E



#66

n-Nitrosodiphenylamine

Concen: 42.816 ng

RT: 10.50 min Scan# 1431

Delta R.T. 0.01 min

Lab File: BF111144.D

Acq: 6 Dec 2018 18:05

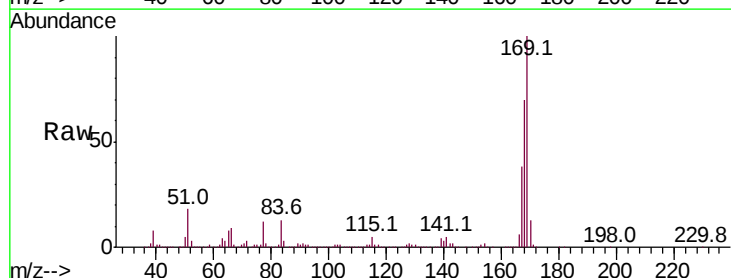
Tgt Ion:169 Resp: 2314037

Ion Ratio Lower Upper

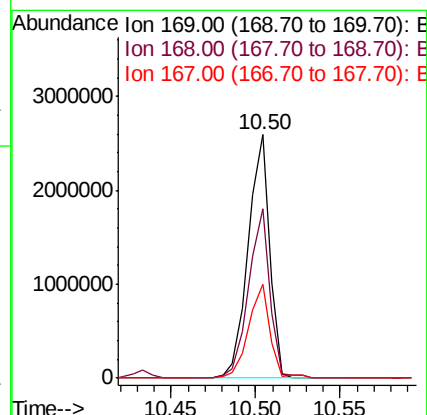
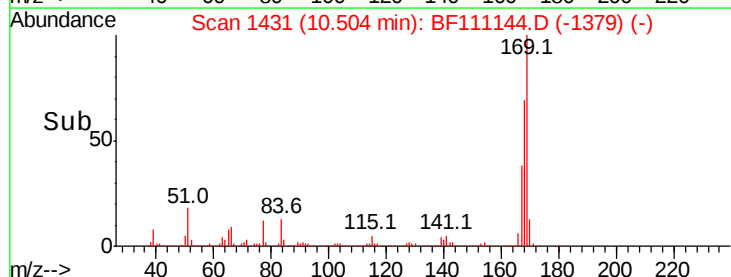
169 100

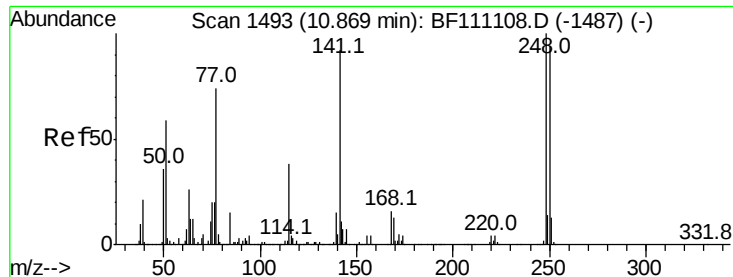
168 69.5 55.4 83.2

167 38.4 31.1 46.7



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





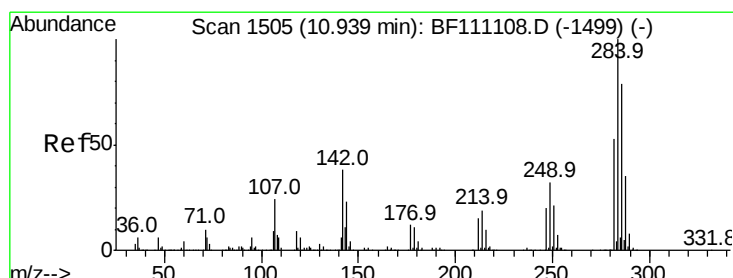
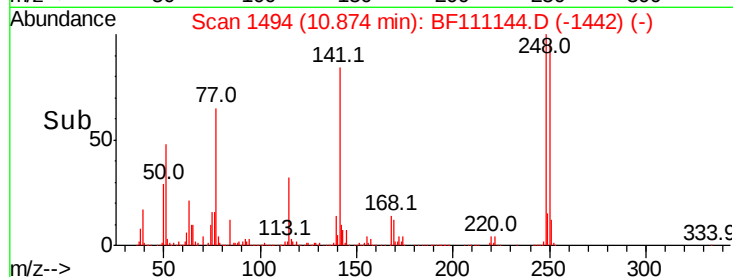
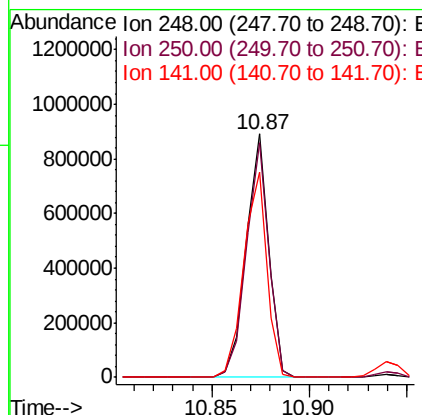
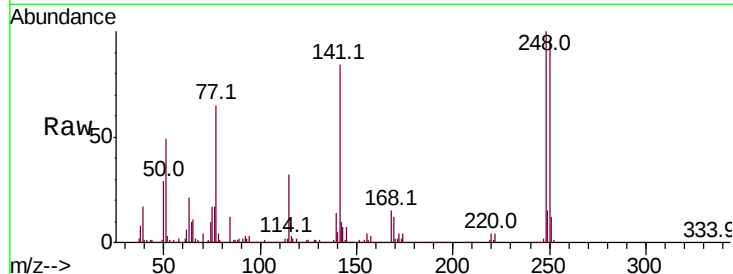
#67
4-Bromophenyl-phenylether
Concen: 43.643 ng
RT: 10.87 min Scan# 1494
Delta R.T. 0.01 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Instrument :
BNA_F
ClientSampled :
SB-2MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	96.2	75.4	113.0
141	84.1	73.8	110.6

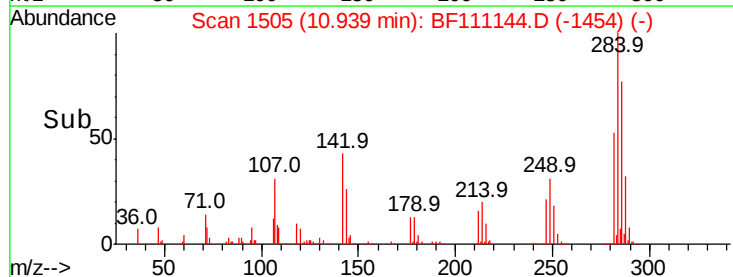
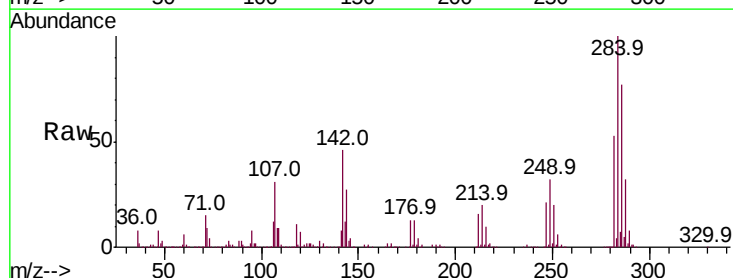
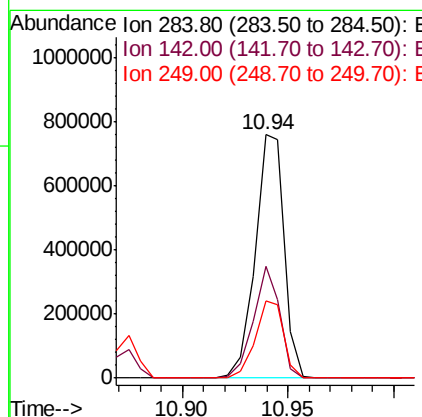
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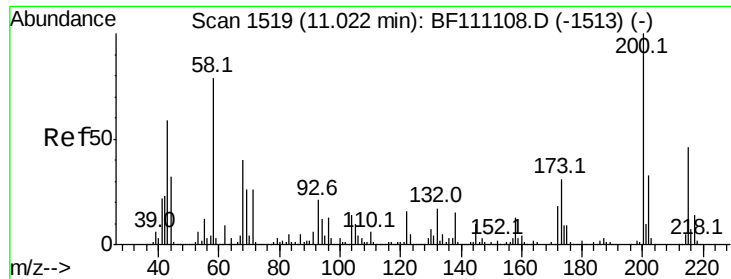
mohammad
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#68
Hexachlorobenzene
Concen: 43.304 ng
RT: 10.94 min Scan# 1505
Delta R.T. -0.00 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Tgt Ion	Ratio	Lower	Upper
284	100		
142	45.7	30.2	45.2#
249	31.8	25.3	37.9





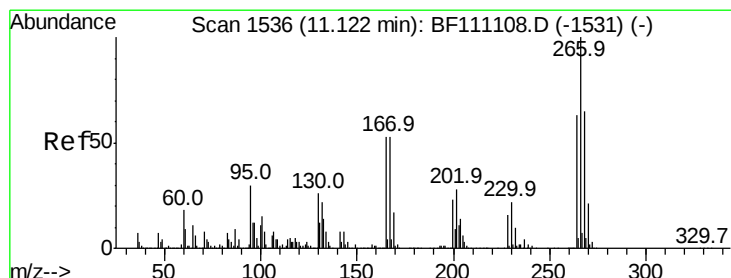
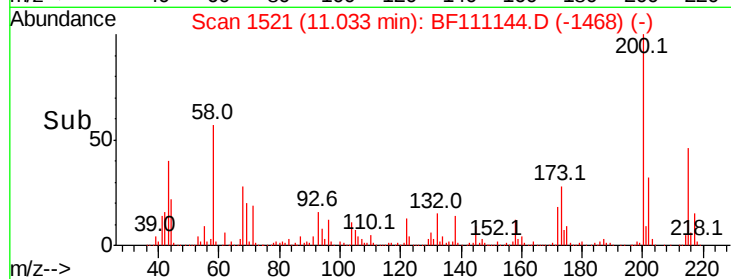
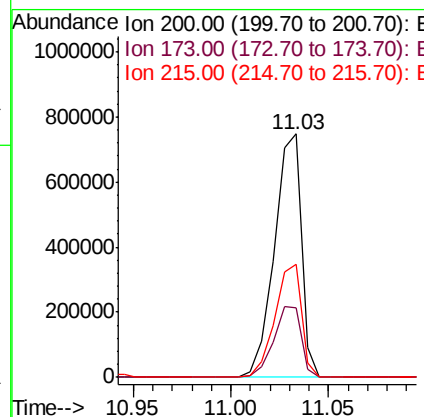
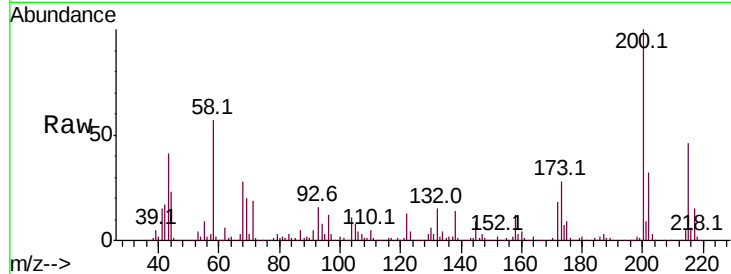
#69
Atrazine
Concen: Below Cal
RT: 11.03 min Scan# 1521
Delta R.T. 0.01 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Instrument :
BNA_F
ClientSampled :
SB-2MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	28.3	11.3	51.3
215	46.3	25.9	65.9

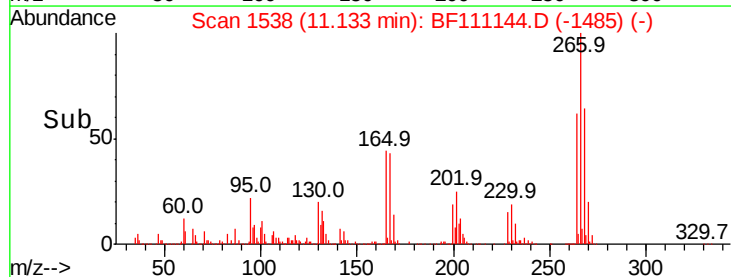
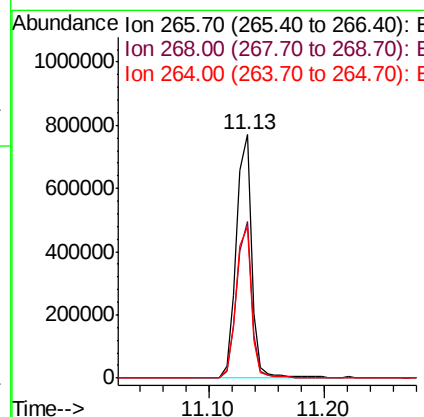
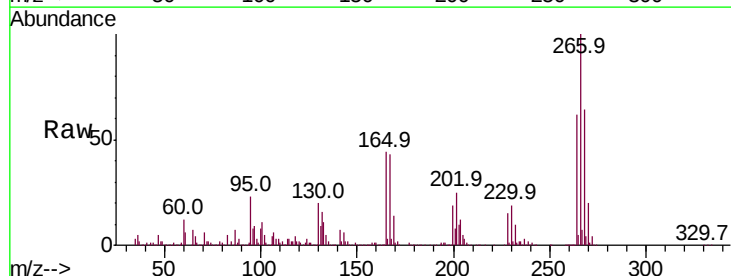
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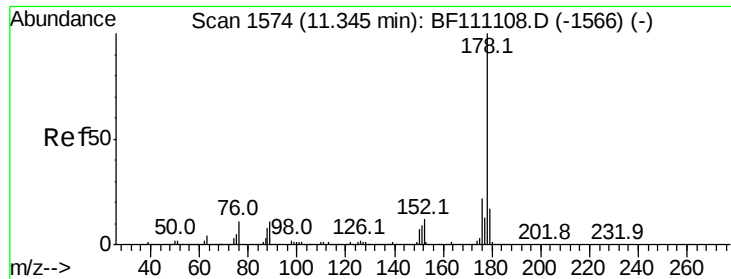
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#70
Pentachlorophenol
Concen: 65.292 ng
RT: 11.13 min Scan# 1538
Delta R.T. 0.01 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Tgt Ion	Ratio	Lower	Upper
266	100		
268	64.2	52.2	78.4
264	62.2	50.8	76.2





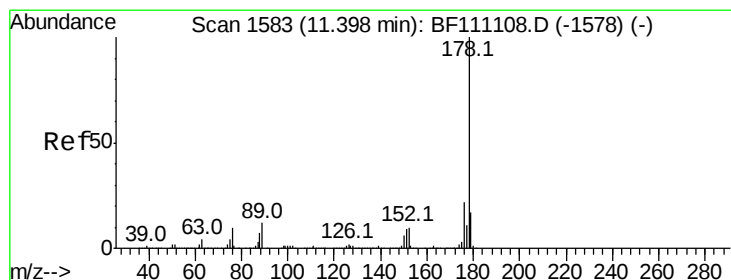
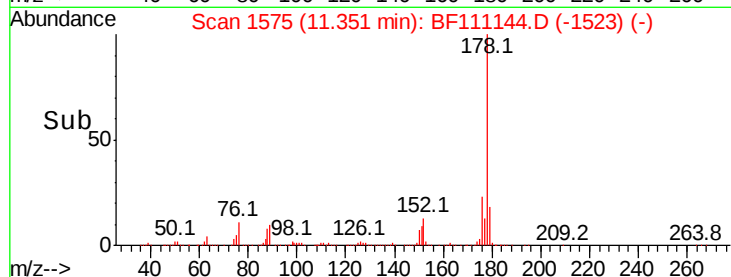
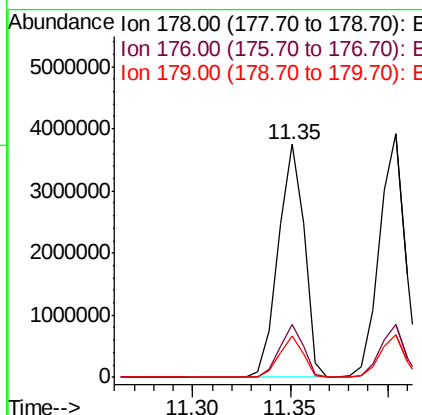
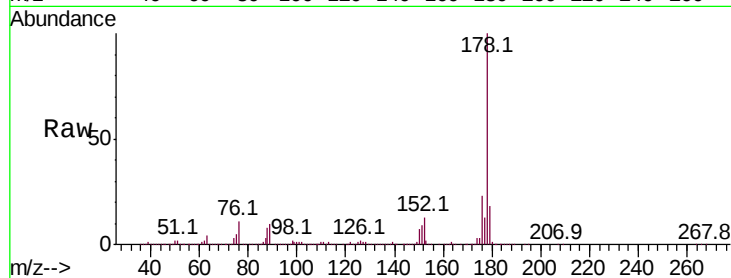
#71
Phenanthrene
Concen: 46.564 ng
RT: 11.35 min Scan# 1575
Delta R.T. 0.01 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Instrument :
BNA_F
ClientSampleId :
SB-2MSD

Tot Ion:178 Resp: 3457160
Ion Ratio Lower Upper
178 100
176 22.6 17.7 26.5
179 17.8 14.0 21.0

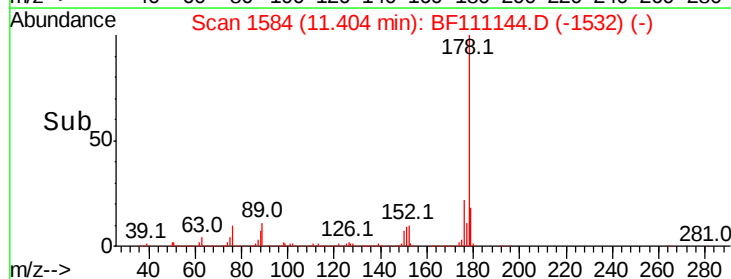
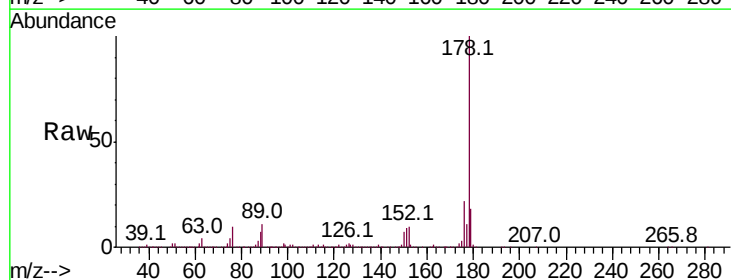
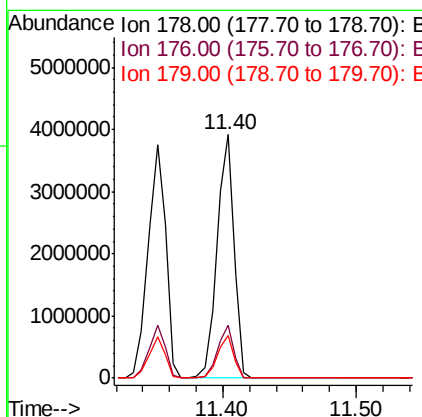
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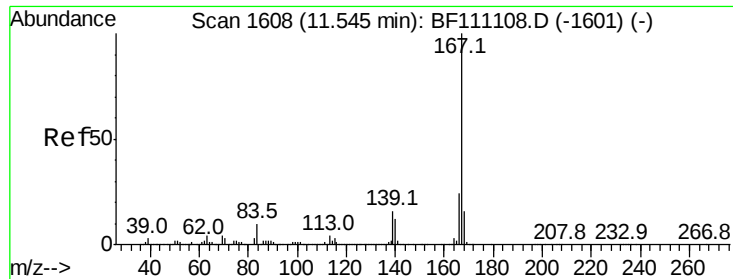
mohammad
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#72
Anthracene
Concen: 46.935 ng
RT: 11.40 min Scan# 1584
Delta R.T. 0.01 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Tgt Ion:178 Resp: 3512535
Ion Ratio Lower Upper
178 100
176 21.5 17.3 25.9
179 17.5 13.8 20.8





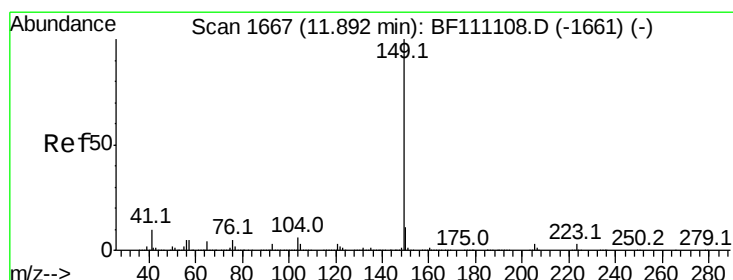
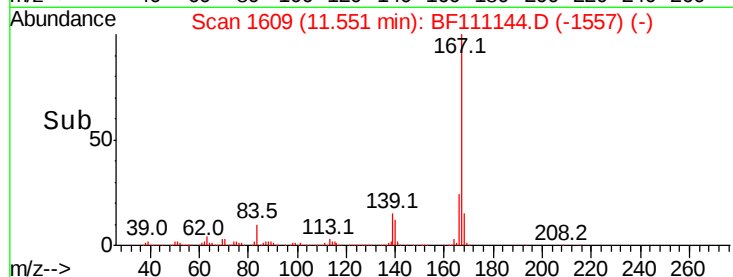
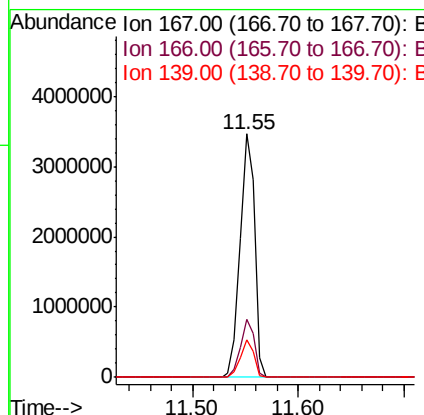
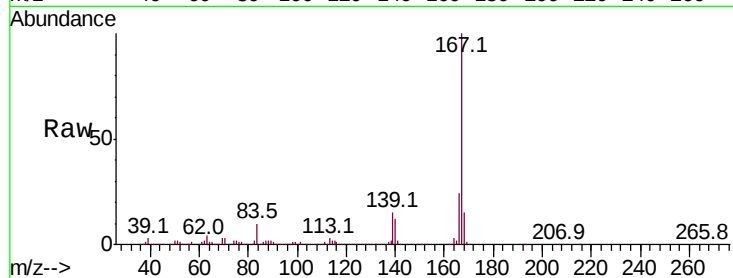
#73
 Carbazole
 Concen: 41.529 ng
 RT: 11.55 min Scan# 1609
 Delta R.T. 0.01 min
 Lab File: BF111144.D
 Acq: 6 Dec 2018 18:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-2MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	23.6	19.4	29.0
139	15.2	12.6	18.8

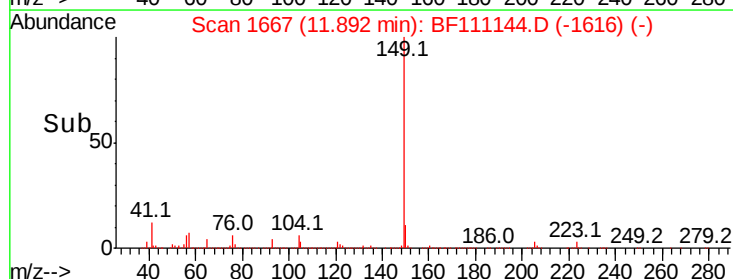
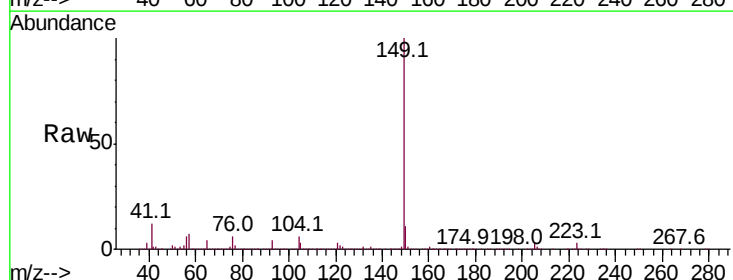
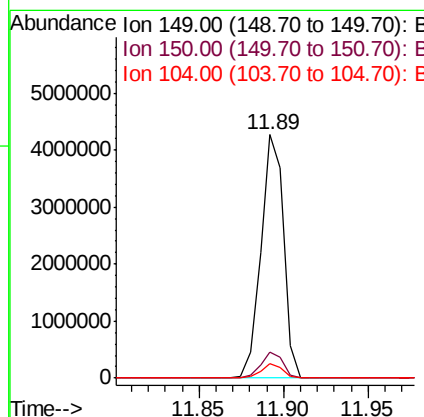
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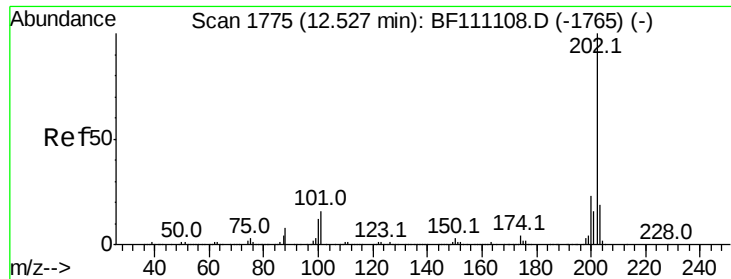
mohammad
 12/10/2018 12:19:02 PM



#74
 Di-n-butylphthalate
 Concen: 43.567 ng
 RT: 11.89 min Scan# 1667
 Delta R.T. -0.00 min
 Lab File: BF111144.D
 Acq: 6 Dec 2018 18:05

Tgt Ion	Ratio	Lower	Upper
149	100		
150	10.9	8.6	12.8
104	5.8	4.5	6.7





#75

Fluoranthene

Concen: 43.359 ng

RT: 12.54 min Scan# 1777

Delta R.T. 0.01 min

Lab File: BF111144.D

Acq: 6 Dec 2018 18:05

Instrument :

BNA_F

ClientSampleId :

SB-2MSD

Tot Ion:202 Resp: 3150098

Ion Ratio Lower Upper

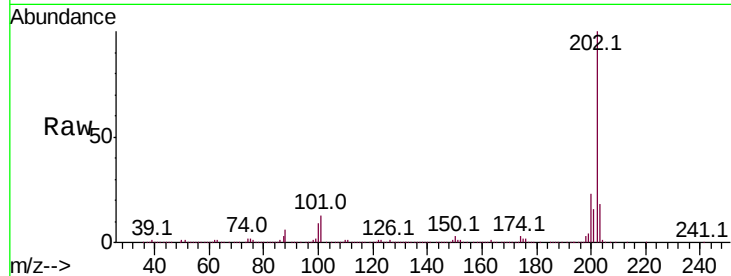
202 100

101 12.5 0.0 35.8

203 18.3 0.0 38.6

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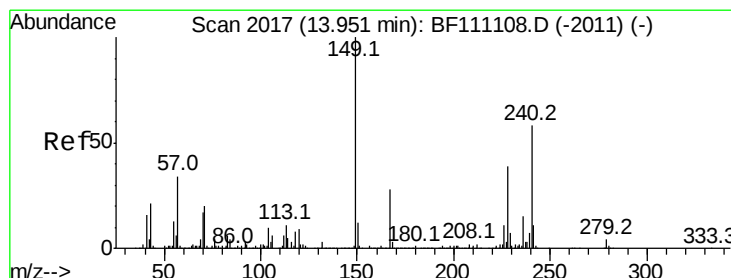
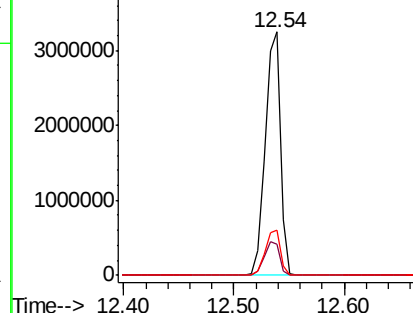
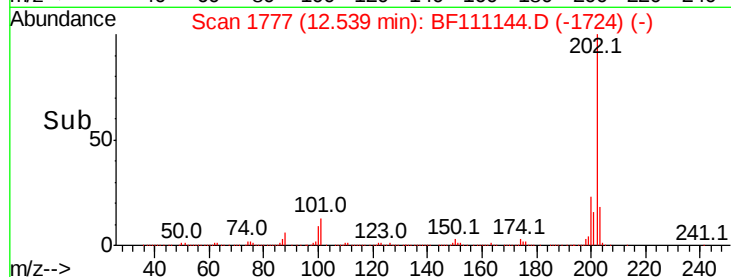


Abundance

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# 2018

Delta R.T. 0.01 min

Lab File: BF111144.D

Acq: 6 Dec 2018 18:05

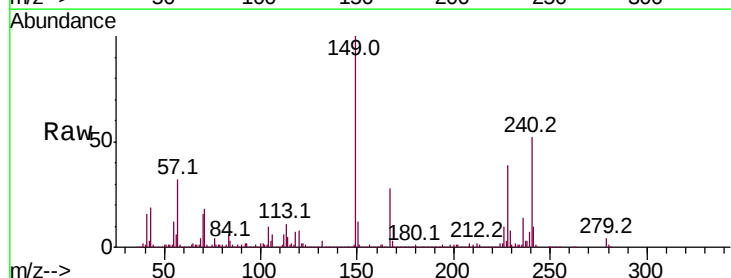
Tgt Ion:240 Resp: 789204

Ion Ratio Lower Upper

240 100

120 15.2 12.8 19.2

236 26.1 21.1 31.7

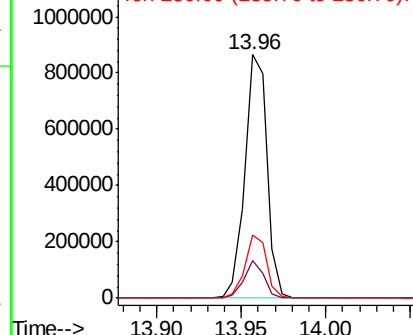
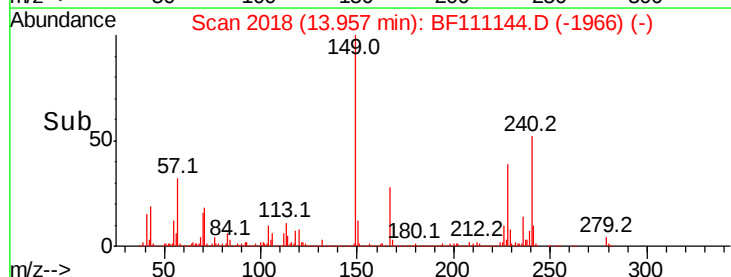


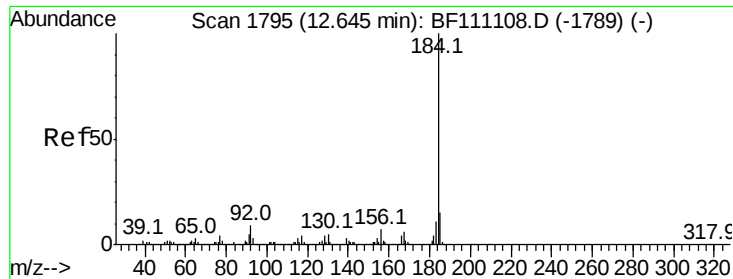
Abundance

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: 9.842 ng

RT: 12.65 min Scan# 1796

Delta R.T. 0.01 min

Lab File: BF111144.D

Acq: 6 Dec 2018 18:05

Instrument :

BNA_F

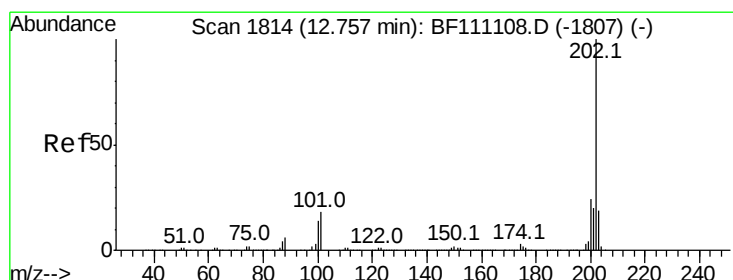
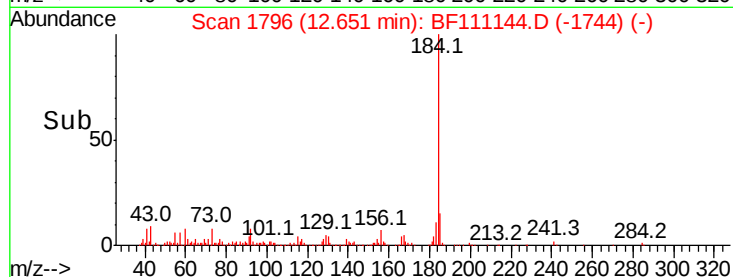
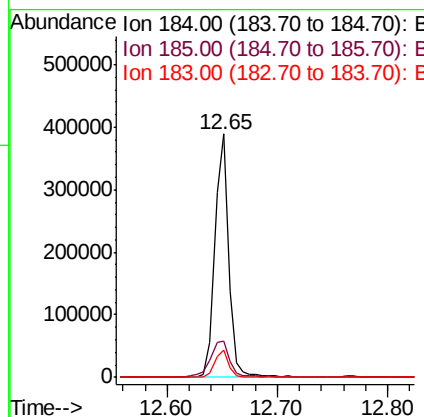
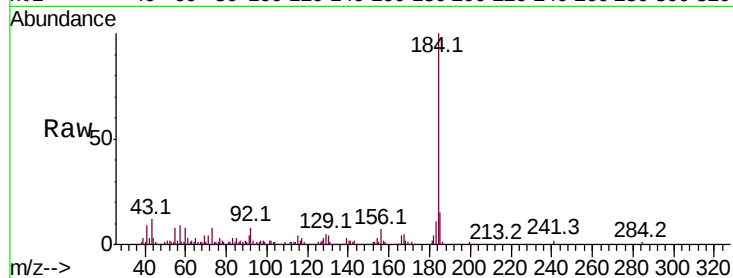
ClientSampled :

SB-2MSD

Tot Ion	Ratio	Resp	Lower	Upper
184	100			
185	14.7	12.0	18.0	
183	11.3	8.9	13.3	

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#78

Pyrene

Concen: 50.205 ng

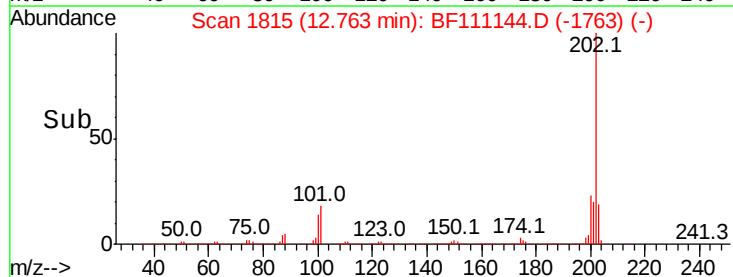
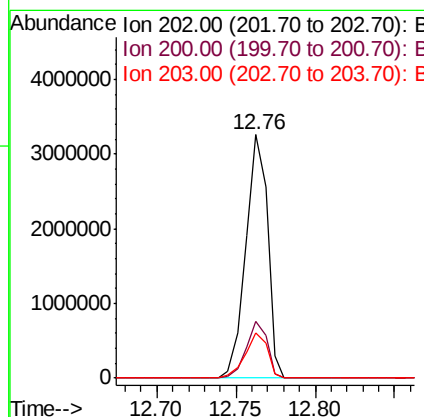
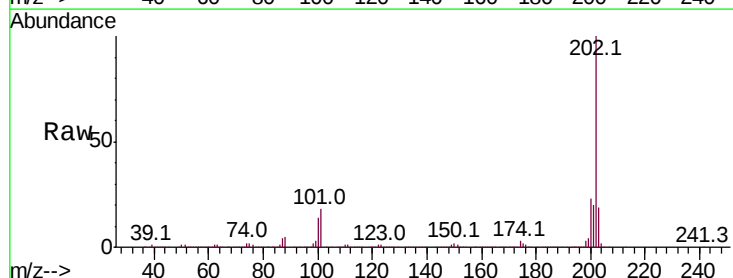
RT: 12.76 min Scan# 1815

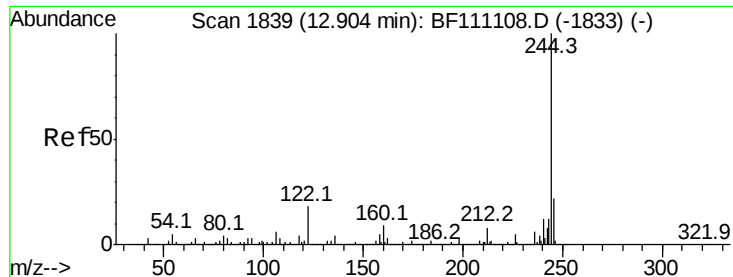
Delta R.T. 0.01 min

Lab File: BF111144.D

Acq: 6 Dec 2018 18:05

Tgt Ion	Ratio	Resp	Lower	Upper
202	100			
200	23.2	19.3	28.9	
203	18.6	15.4	23.2	





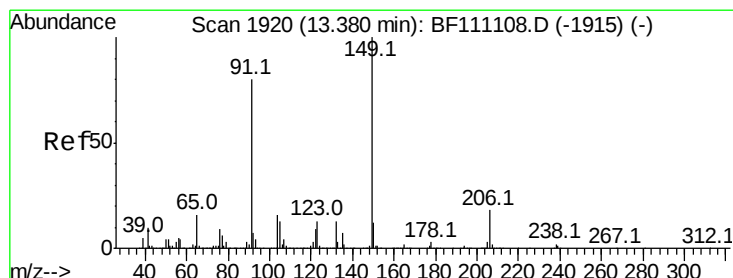
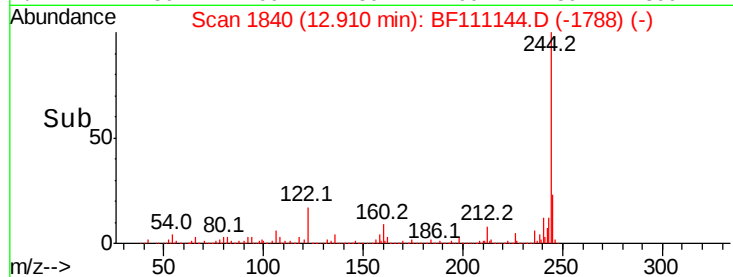
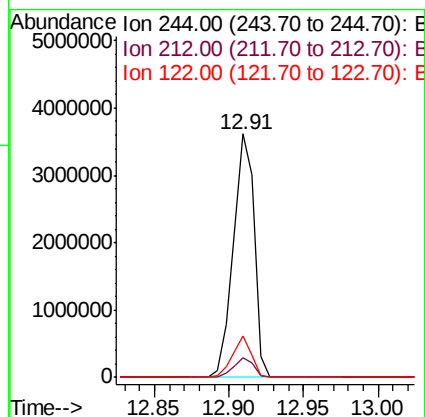
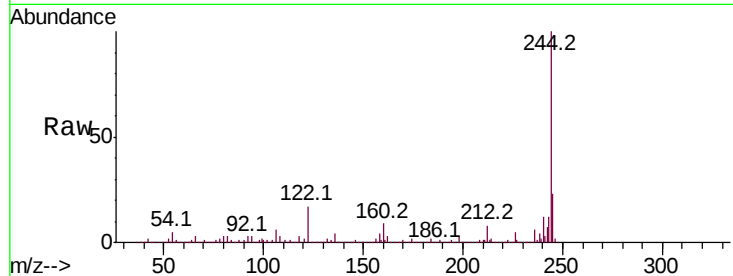
#79
 Terphenyl-d14
 Concen: 93.016 ng
 RT: 12.91 min Scan# 1840
 Delta R.T. 0.01 min
 Lab File: BF111144.D
 Acq: 6 Dec 2018 18:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-2MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	8.2	6.6	9.8
122	17.2	14.2	21.2

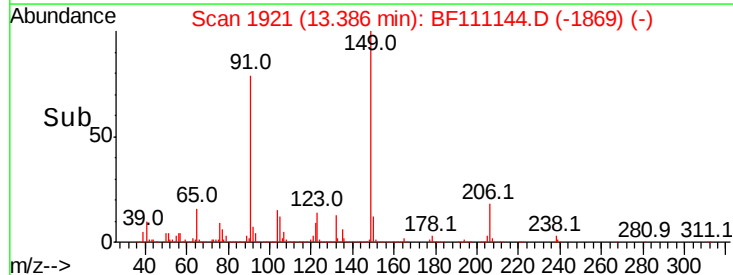
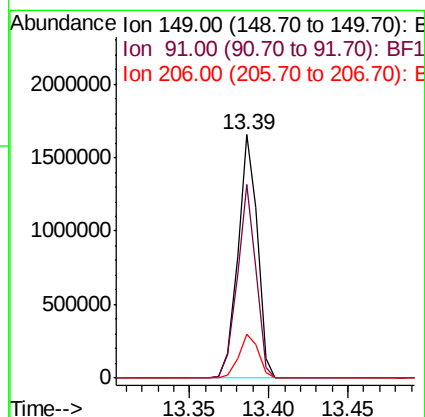
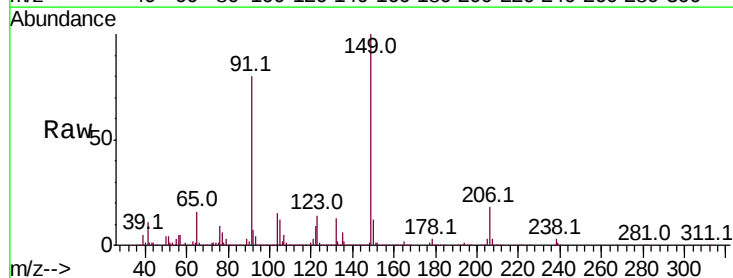
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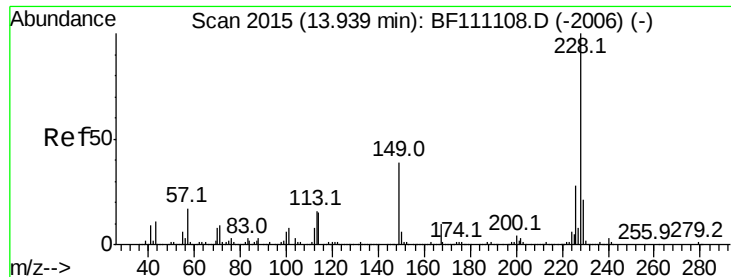
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#80
 Butylbenzylphthalate
 Concen: 47.263 ng
 RT: 13.39 min Scan# 1921
 Delta R.T. 0.01 min
 Lab File: BF111144.D
 Acq: 6 Dec 2018 18:05

Tgt Ion	Ratio	Lower	Upper
149	100		
91	79.5	64.0	96.0
206	18.0	14.1	21.1





#81

Benzo(a)anthracene

Concen: 45.834 ng

RT: 13.94 min Scan# 2016

Delta R.T. 0.01 min

Lab File: BF111144.D

Acq: 6 Dec 2018 18:05

Instrument :

BNA_F

ClientSampleId :

SB-2MSD

Tot Ion:228 Resp: 2119363

Ion Ratio Lower Upper

228 100

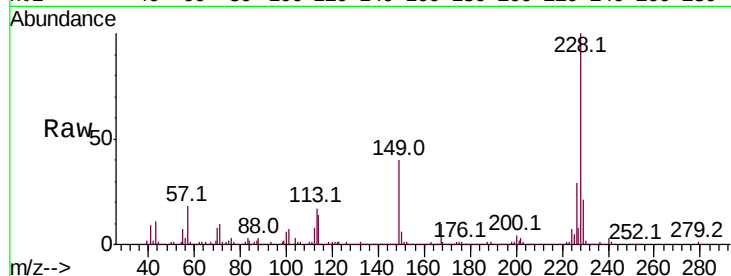
226 28.5 22.6 34.0

229 20.7 16.7 25.1

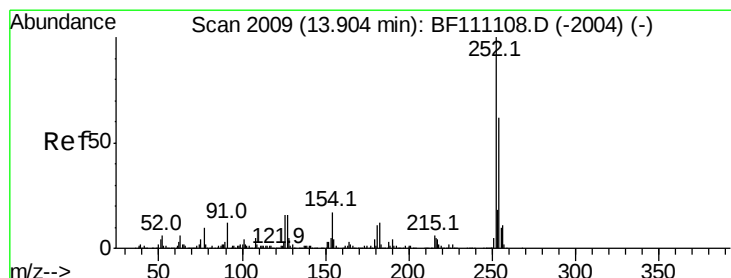
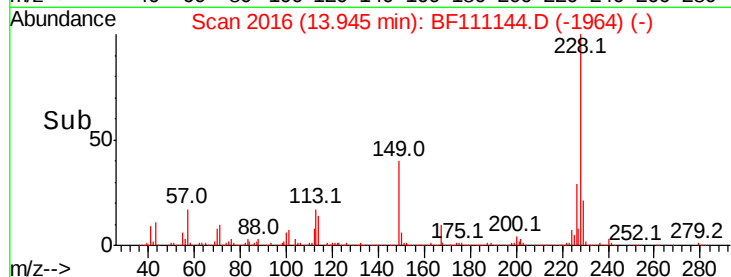
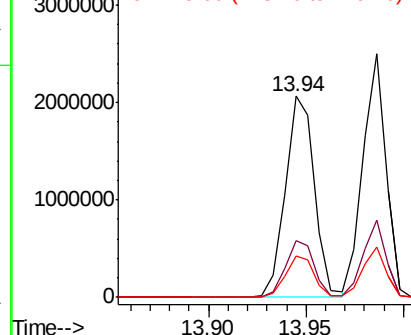
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Abundance Ion 228.00 (227.70 to 228.70): E
Ion 226.00 (225.70 to 226.70): E
Ion 229.00 (228.70 to 229.70): E



#82

3,3'-Dichlorobenzidine

Concen: 21.937 ng

RT: 13.91 min Scan# 2010

Delta R.T. 0.01 min

Lab File: BF111144.D

Acq: 6 Dec 2018 18:05

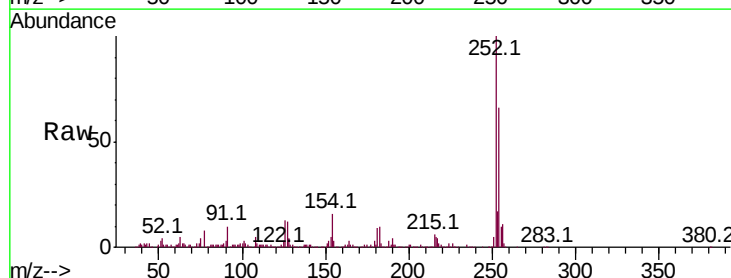
Tgt Ion:252 Resp: 382800

Ion Ratio Lower Upper

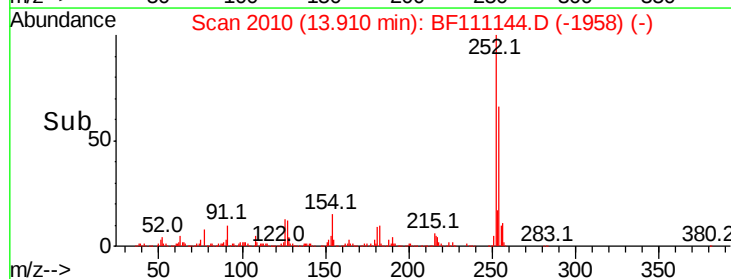
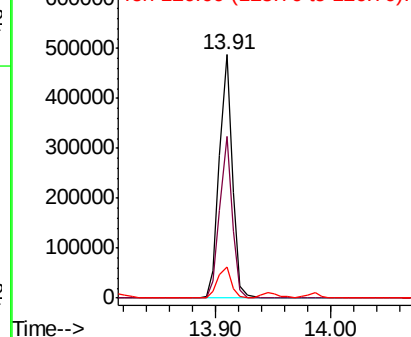
252 100

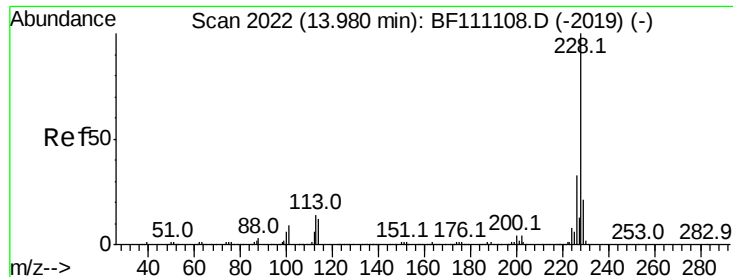
254 66.2 49.8 74.8

126 12.6 12.9 19.3#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 254.00 (253.70 to 254.70): E
Ion 126.00 (125.70 to 126.70): E





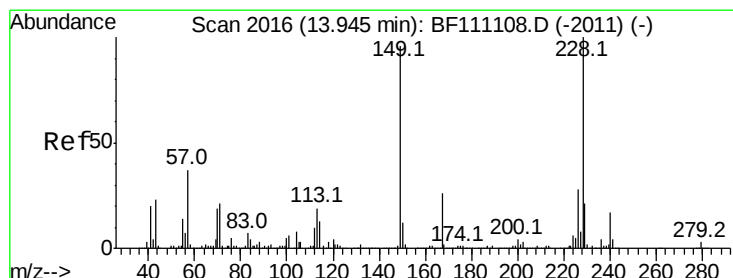
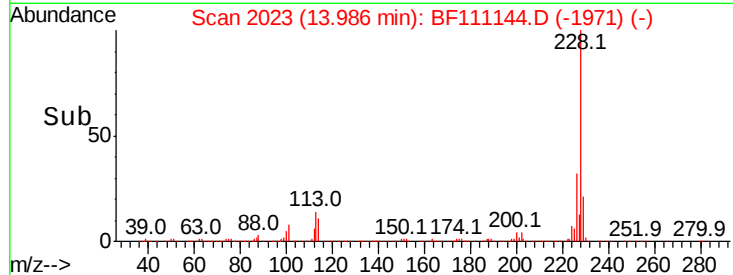
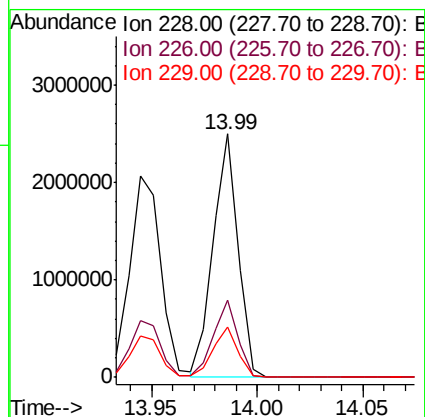
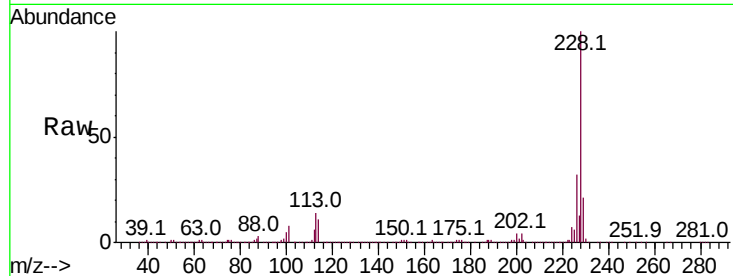
#83
 Chrvsene
 Concen: 44.917 ng
 RT: 13.99 min Scan# 2023
 Delta R.T. 0.01 min
 Lab File: BF111144.D
 Acq: 6 Dec 2018 18:05

Instrument :
 BNA_F
 ClientSampleId :
 SB-2MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	31.8	26.2	39.2
229	20.8	16.9	25.3

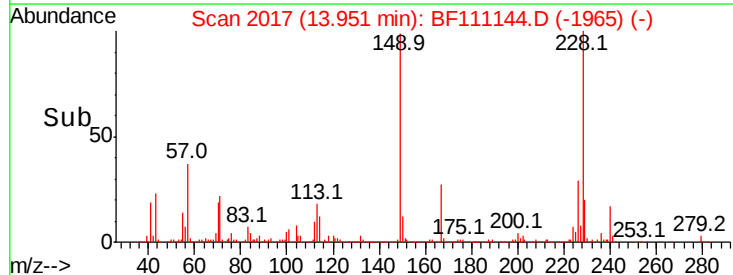
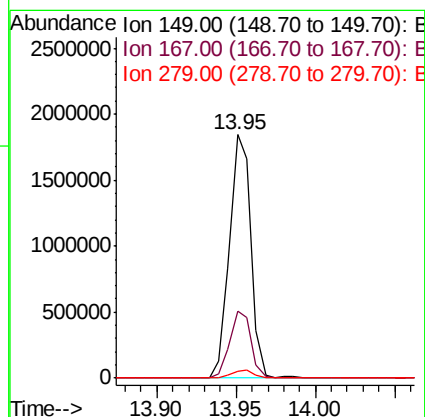
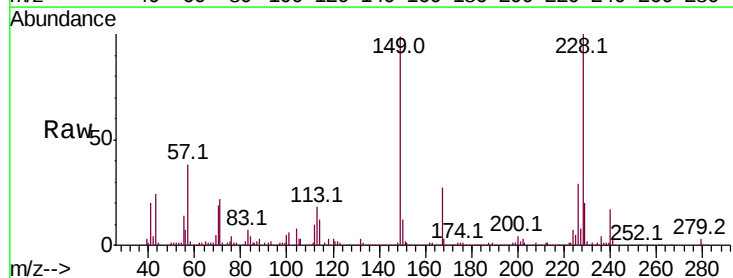
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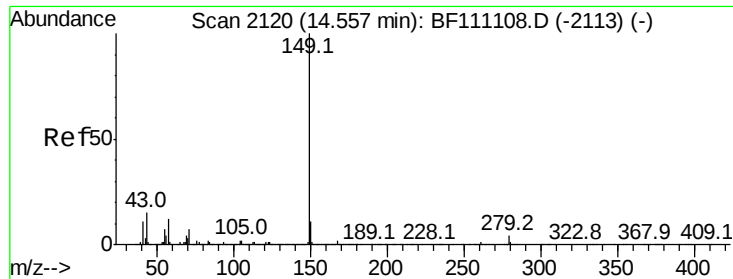
mohammad
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#84
 Bis(2-ethylhexyl)phthalate
 Concen: 47.951 ng
 RT: 13.95 min Scan# 2017
 Delta R.T. 0.01 min
 Lab File: BF111144.D
 Acq: 6 Dec 2018 18:05

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.4	21.6	32.4
279	3.0	2.3	3.5





#85

Di-n-octyl phthalate

Concen: 52.790 ng

RT: 14.56 min Scan# 2121

Delta R.T. 0.01 min

Lab File: BF111144.D

Acq: 6 Dec 2018 18:05

Instrument :

BNA_F

ClientSampleId :

SB-2MSD

Tot Ion:149 Resp: 2977388

Ion Ratio Lower Upper

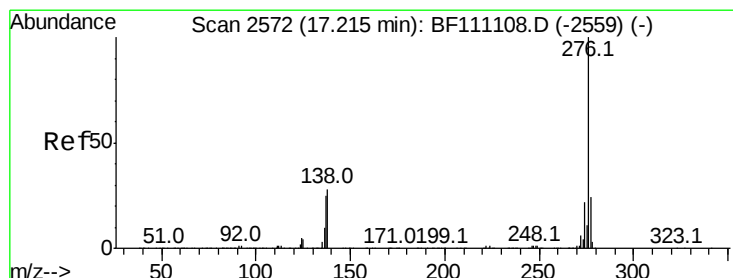
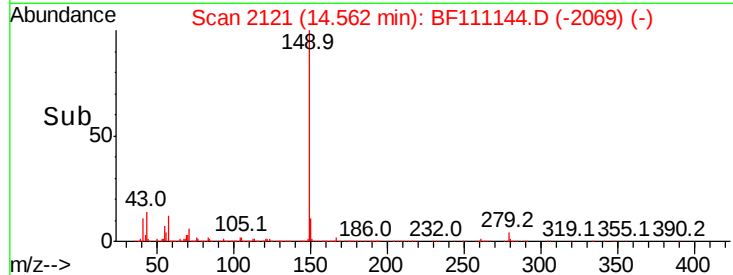
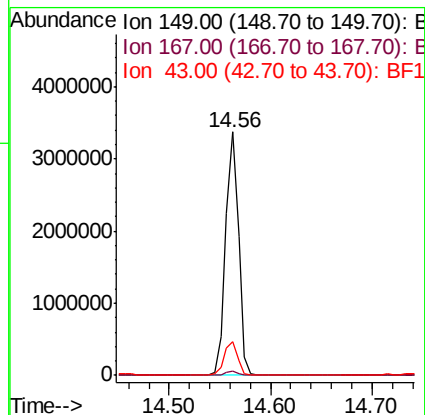
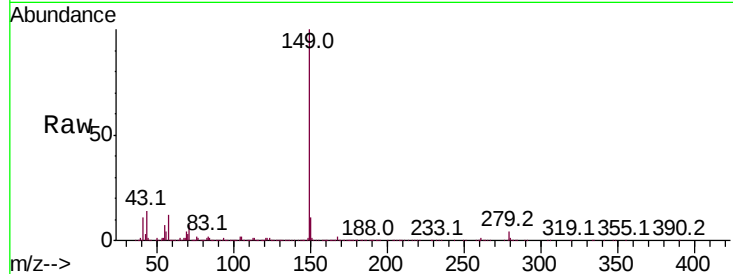
149 100

167 1.6 1.3 1.9

43 13.7 11.9 17.9

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#86

Indeno(1,2,3-cd)pyrene

Concen: 68.472 ng

RT: 16.82 min Scan# 2504

Delta R.T. 0.03 min

Lab File: BF111144.D

Acq: 6 Dec 2018 18:05

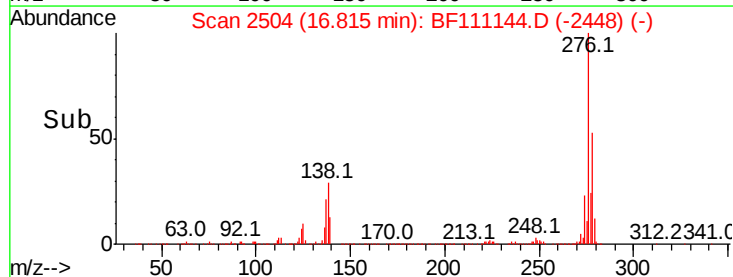
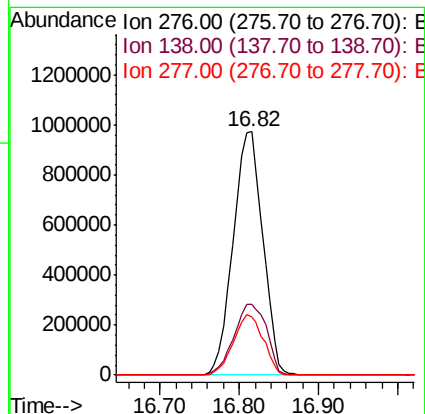
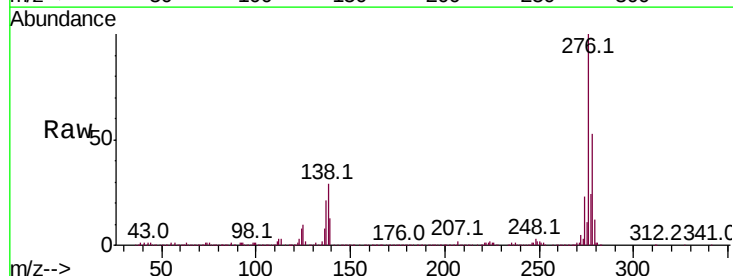
Tgt Ion:276 Resp: 2523619

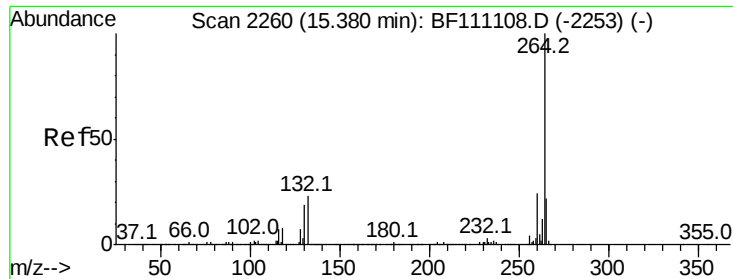
Ion Ratio Lower Upper

276 100

138 32.0 20.2 30.4#

277 25.1 15.8 23.6#





#87

Pervlene-d12

Concen: 20.000 ng

RT: 15.39 min Scan# 2262

Delta R.T. 0.01 min

Lab File: BF111144.D

Acq: 6 Dec 2018 18:05

Instrument :

BNA_F

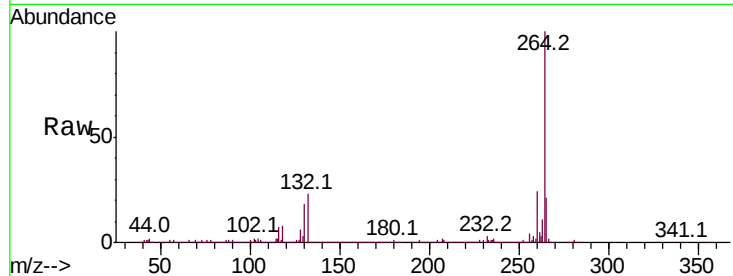
ClientSampleId :

SB-2MSD

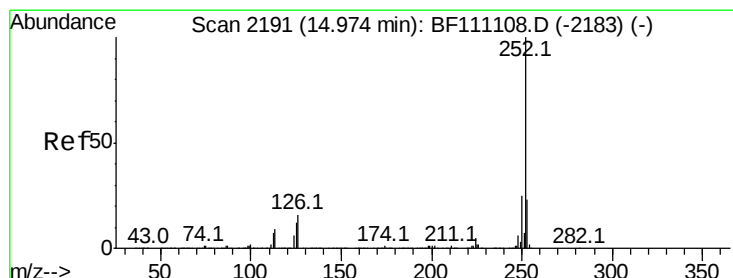
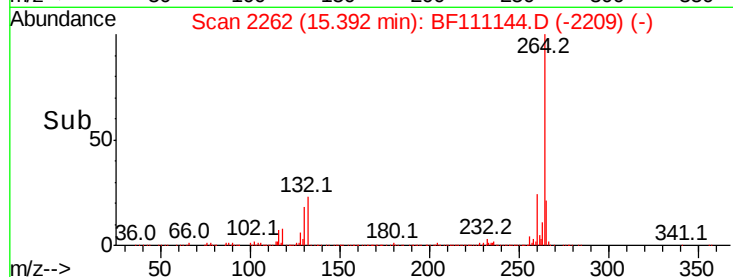
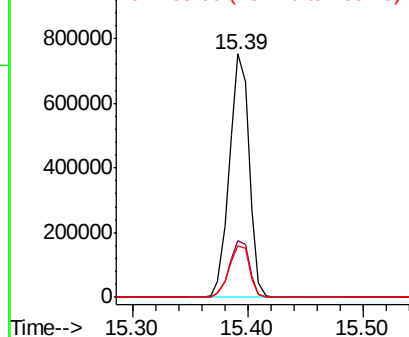
Tot Ion:	264	Resp:	893489
Ion Ratio	Lower	Upper	
264	100		
260	23.5	19.4	29.0
265	21.4	17.4	26.0

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Abundance Ion 264.00 (263.70 to 264.70): E
Ion 260.00 (259.70 to 260.70): E
Ion 265.00 (264.70 to 265.70): E



#88

Benzo(b)fluoranthene

Concen: 45.642 ng

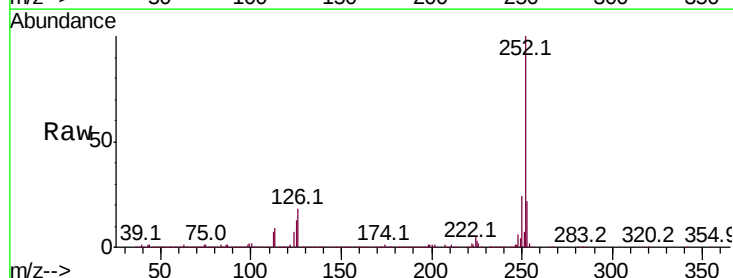
RT: 14.98 min Scan# 2192

Delta R.T. 0.01 min

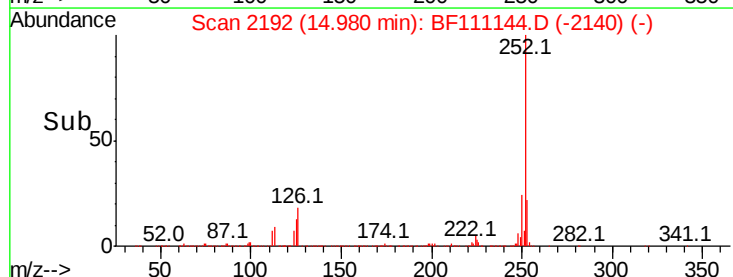
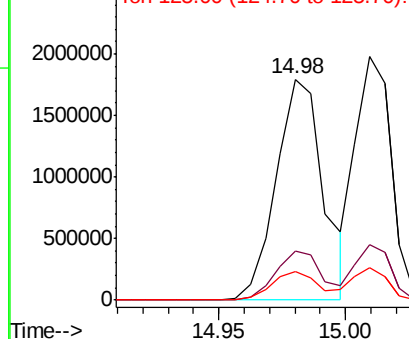
Lab File: BF111144.D

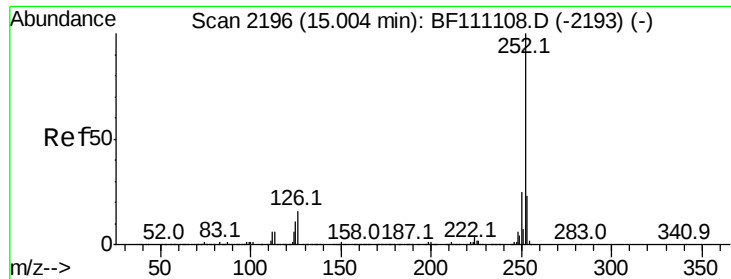
Acq: 6 Dec 2018 18:05

Tgt Ion:	252	Resp:	2310785
Ion Ratio	Lower	Upper	
252	100		
253	22.3	18.5	27.7
125	13.2	9.9	14.9



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





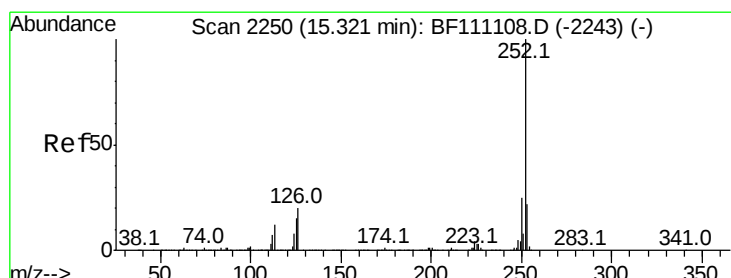
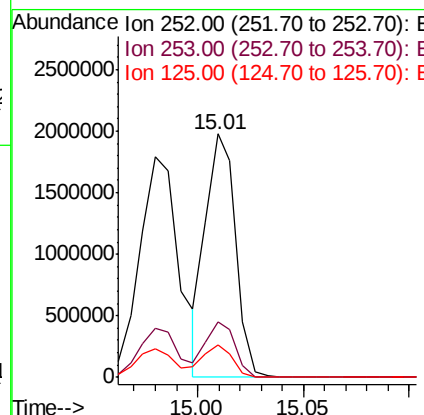
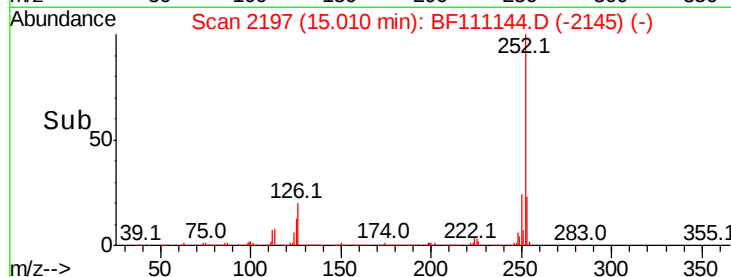
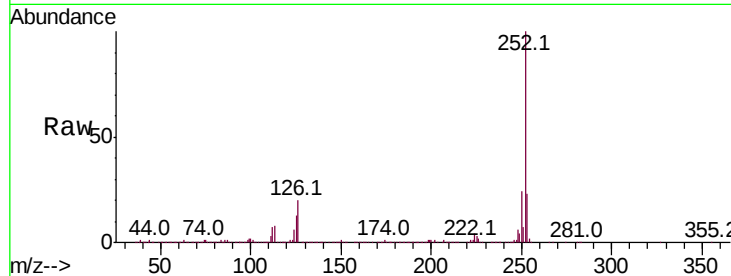
#89
Benzo(k)fluoranthene
Concen: 39.694 ng
RT: 15.01 min Scan# 2197
Delta R.T. 0.01 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Instrument :
BNA_F
ClientSampled :
SB-2MSD

Tot Ion:252 Resp: 1942791
Ion Ratio Lower Upper
252 100
253 22.6 18.2 27.4
125 13.4 9.9 14.9

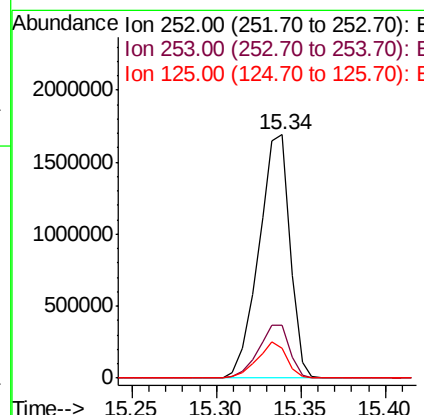
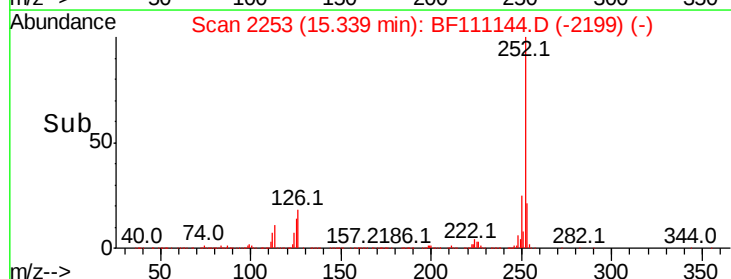
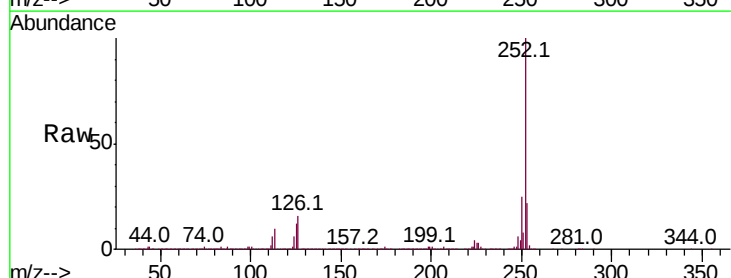
Manual Integrations
APPROVED

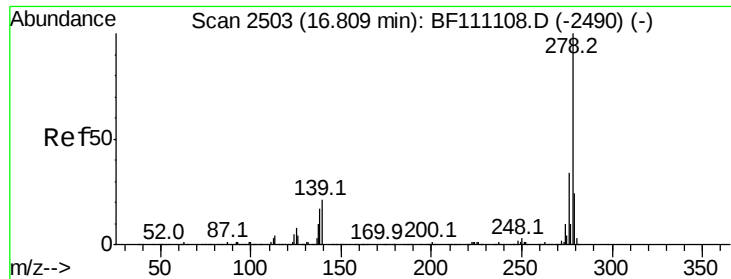
mohammad
12/10/2018 12:19:02 PM



#90
Benzo(a)pyrene
Concen: 46.565 ng
RT: 15.34 min Scan# 2253
Delta R.T. 0.02 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Tgt Ion:252 Resp: 2162459
Ion Ratio Lower Upper
252 100
253 21.5 17.5 26.3
125 12.4 12.4 18.6





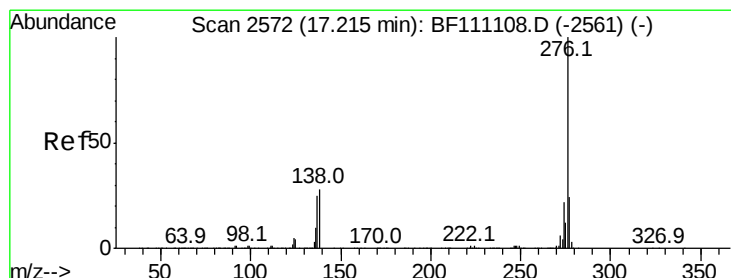
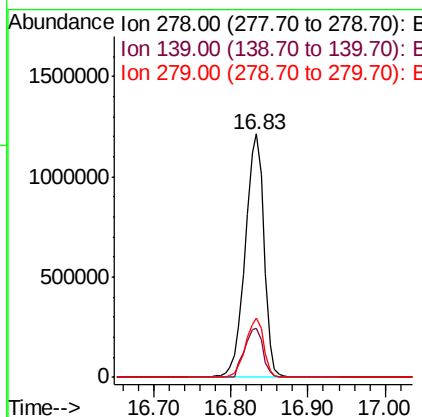
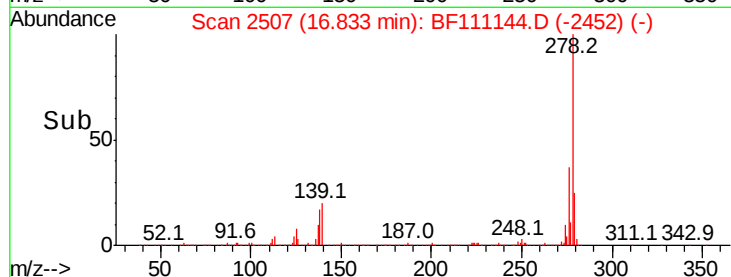
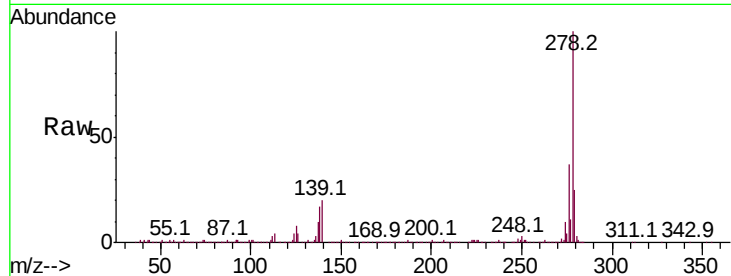
#91
Dibenzo(a,h)anthracene
Concen: 53.350 ng
RT: 16.83 min Scan# 2507
Delta R.T. 0.02 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Instrument :
BNA_F
ClientSampleId :
SB-2MSD

Tot Ion:278 Resp: 2079095
Ion Ratio Lower Upper
278 100
139 20.4 16.6 25.0
279 24.6 18.8 28.2

Manual Integrations
APPROVED

mohammad
12/10/2018 12:19:02 PM



#92
Benzo(g,h,i)perylene
Concen: 53.150 ng
RT: 17.24 min Scan# 2577
Delta R.T. 0.03 min
Lab File: BF111144.D
Acq: 6 Dec 2018 18:05

Tgt Ion:276 Resp: 2081473
Ion Ratio Lower Upper
276 100
277 23.4 19.3 28.9
138 26.5 22.3 33.5

