

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF122018\
 Data File : BF111636.D
 Acq On : 20 Dec 2018 13:44
 Operator : JU/SJ
 Sample : J6481-01MSD
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 VB-1MSD

Manual Integrations
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Sohil
 12/21/2018 2:46:38 PM

Quant Time: Dec 21 06:30:16 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	182911	20.00	ng	0.00
21) Naphthalene-d8	8.18	136	691824	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	339849	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	598337	20.00	ng	0.00
76) Chrysene-d12	14.05	240	409988	20.00	ng	0.00
87) Perylene-d12	15.52	264	426819	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.53	112	1403583	130.80	ng	0.01
7) Phenol-d6	6.53	99	1847637	135.29	ng	0.01
23) Nitrobenzene-d5	7.46	82	1155874	97.25	ng	0.00
42) 2,4,6-Tribromophenol	10.73	330	534065	133.00	ng	0.00
45) 2-Fluorobiphenyl	9.26	172	2035698	87.31	ng	0.00
79) Terphenyl-d14	13.00	244	1695121	78.41	ng	0.00

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.75	88	188465	37.329	ng	96
3) Pyridine	3.50	79	510790	38.833	ng	99
4) n-Nitrosodimethylamine	3.44	42	319116	49.573	ng	86
6) Aniline	6.56	93	614028	35.273	ng	96
8) 2-Chlorophenol	6.69	128	567698	47.758	ng	99
9) Benzaldehyde	6.45	77	428401	45.611	ng	96
10) Phenol	6.55	94	794327	51.550	ng	98
11) bis(2-Chloroethyl)ether	6.63	93	525221	45.487	ng	98
12) 1,3-Dichlorobenzene	6.84	146	615938	44.711	ng	97
13) 1,4-Dichlorobenzene	6.92	146	628178	44.963	ng	96
14) 1,2-Dichlorobenzene	7.07	146	590065	45.268	ng	97
15) Benzyl Alcohol	7.03	79	520265	47.968	ng	92
16) 2,2'-oxybis(1-Chloropropan	7.17	45	931221	43.789	ng	100
17) 2-Methylphenol	7.15	107	454928	47.795	ng	95
18) Hexachloroethane	7.42	117	214811	45.627	ng	# 85
19) n-Nitroso-di-n-propylamine	7.31	70	408518	45.043	ng	98
20) 3+4-Methylphenols	7.30	107	580815	48.293	ng	91
22) Acetophenone	7.30	105	760407	43.386	ng	# 94
24) Nitrobenzene	7.47	77	607671	48.782	ng	98
25) Isophorone	7.72	82	1085620	51.451	ng	97
26) 2-Nitrophenol	7.79	139	284364	56.286	ng	95
27) 2,4-Dimethylphenol	7.83	122	496210	49.824	ng	94
28) bis(2-Chloroethoxy)methane	7.93	93	656765	46.775	ng	99
29) 2,4-Dichlorophenol	8.03	162	502026	46.866	ng	97
30) 1,2,4-Trichlorobenzene	8.12	180	526523	44.109	ng	97
31) Naphthalene	8.20	128	1609980	48.433	ng	97
32) Benzoic acid	7.95	122	301979	45.860	ng	92
33) 4-Chloroaniline	8.24	127	232112	16.155	ng	99
34) Hexachlorobutadiene	8.33	225	308891	42.458	ng	98
35) Caprolactam	8.62	113	154458m	42.553	ng	
36) 4-Chloro-3-methylphenol	8.73	107	499739	47.459	ng	98
37) 2-Methylnaphthalene	8.89	142	1087391	50.280	ng	99
38) 1-Methylnaphthalene	8.99	142	1026651	49.428	ng	100
40) 1,2,4,5-Tetrachlorobenzene	9.06	216	508362	45.522	ng	97

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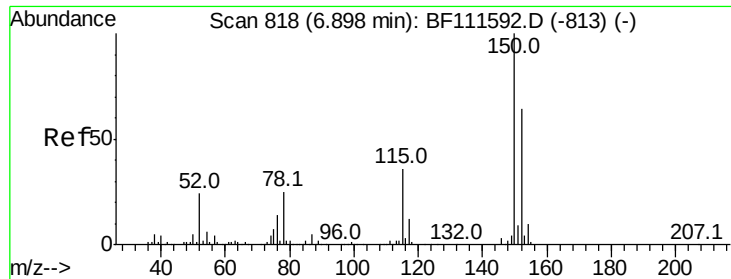
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 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	9.05	237	482024	88.948	nq	99
43) 2,4,6-Trichlorophenol	9.17	196	355266	47.649	nq	98
44) 2,4,5-Trichlorophenol	9.21	196	377445	49.346	nq	91
46) 1,1'-Biphenyl	9.36	154	1307560	45.578	nq	95
47) 2-Chloronaphthalene	9.38	162	1023046	45.010	nq	96
48) 2-Nitroaniline	9.47	65	320847	54.260	nq	99
49) Acenaphthylene	9.80	152	1615813	48.689	nq	96
50) Dimethylphthalate	9.66	163	1380332	55.542	nq	98
51) 2,6-Dinitrotoluene	9.71	165	274342	55.361	nq #	86
52) Acenaphthene	9.97	154	1027569	50.203	nq	98
53) 3-Nitroaniline	9.87	138	169239	32.022	nq	96
54) 2,4-Dinitrophenol	9.99	184	184172	112.536	nq #	81
55) Dibenzofuran	10.14	168	1429193	46.218	nq	96
56) 4-Nitrophenol	10.04	139	421559	104.520	nq	92
57) 2,4-Dinitrotoluene	10.12	165	356092	59.789	nq #	99
58) Fluorene	10.49	166	1083752	48.636	nq	99
59) 2,3,4,6-Tetrachlorophenol	10.26	232	324957	50.482	nq	89
60) Diethylphthalate	10.36	149	1159136	47.548	nq	99
61) 4-Chlorophenyl-phenylether	10.47	204	535047	43.461	nq	93
62) 4-Nitroaniline	10.49	138	244540	47.607	nq	90
63) Azobenzene	10.63	77	1084758	44.323	nq	96
65) 4,6-Dinitro-2-methylphenol	10.52	198	128582	51.440	nq	87
66) n-Nitrosodiphenylamine	10.59	169	969727	48.281	nq	98
67) 4-Bromophenyl-phenylether	10.96	248	346354	46.670	nq	94
68) Hexachlorobenzene	11.03	284	377238	45.590	nq	96
69) Atrazine	11.12	200	321243	46.039	nq	96
70) Pentachlorophenol	11.22	266	404049	78.986	nq	97
71) Phenanthrene	11.44	178	1517574	47.825	nq	95
72) Anthracene	11.50	178	1529070	48.007	nq	95
73) Carbazole	11.64	167	1296210	41.918	nq	95
74) Di-n-butylphthalate	11.98	149	1609746	46.429	nq	97
75) Fluoranthene	12.63	202	1335803	41.571	nq	96
77) Benzdine	12.74	184	345621	22.403	nq	97
78) Pyrene	12.86	202	1304184	45.046	nq	97
80) Butylbenzylphthalate	13.47	149	549116	46.528	nq #	86
81) Benzo(a)anthracene	14.04	228	1114156	47.618	nq	99
82) 3,3'-Dichlorobenzidine	14.00	252	343756	37.184	nq #	97
83) Chrysene	14.08	228	1098518	47.769	nq	98
84) Bis(2-ethylhexyl)phthalate	14.03	149	714229	48.046	nq #	99
85) Di-n-octyl phthalate	14.64	149	1211621	52.606	nq	96
86) Indeno(1,2,3-cd)pyrene	17.01	276	1055550	53.994	nq #	88
88) Benzo(b)fluoranthene	15.09	252	1224909	49.104	nq #	96
89) Benzo(k)fluoranthene	15.13	252	1071114	45.103	nq #	96
90) Benzo(a)pyrene	15.46	252	1114531	49.179	nq #	96
91) Dibenzo(a,h)anthracene	17.03	278	893871	45.042	nq #	92
92) Benzo(g,h,i)perylene	17.46	276	818217	42.223	nq #	89

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



#1

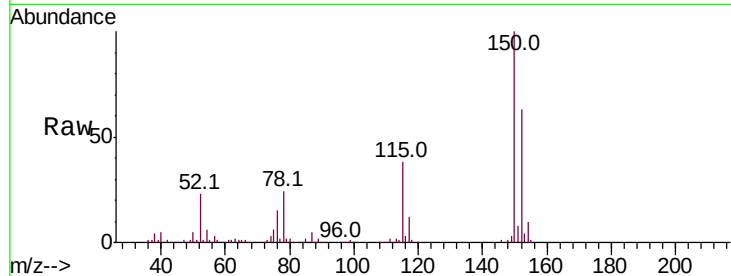
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.90 min Scan# 818
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampleId :
VB-1MSD

Tot Ion	Ratio	Lower	Upper
152	100		
150	158.8	126.6	189.8
115	59.6	50.7	76.1

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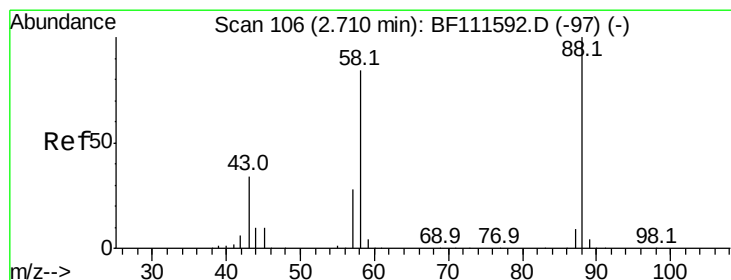
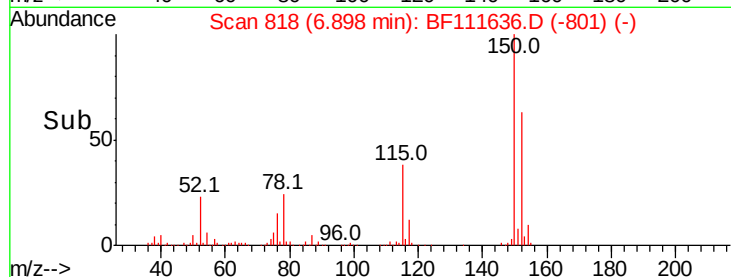
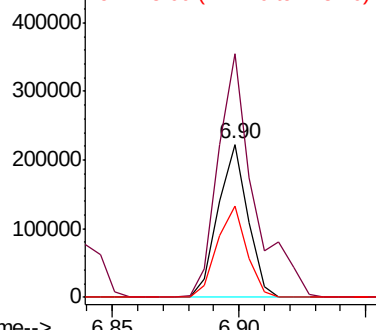


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

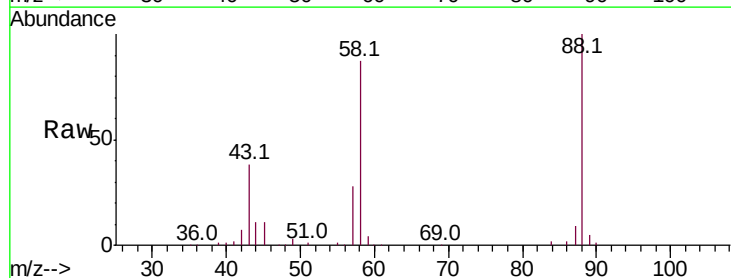
Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane
Concen: 37.329 ng
RT: 2.75 min Scan# 112
Delta R.T. 0.04 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
88	100		
58	83.7	68.9	103.3
43	36.4	25.8	38.6

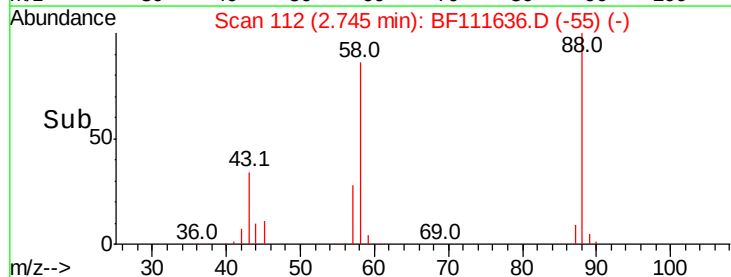
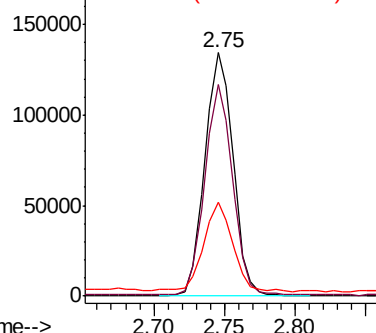


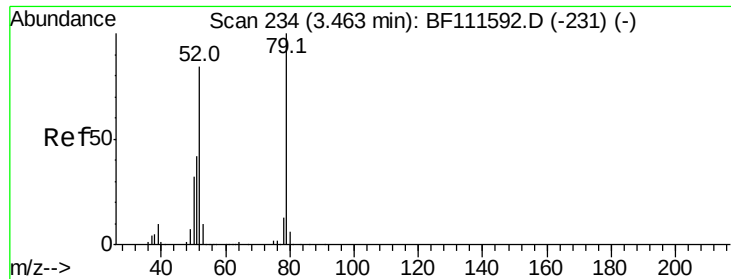
Abundance

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: 38.833 ng

RT: 3.50 min Scan# 241

Delta R.T. 0.04 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

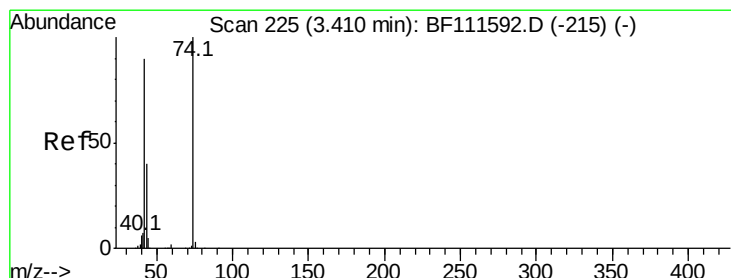
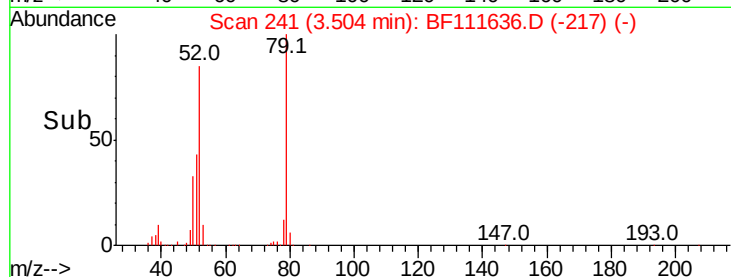
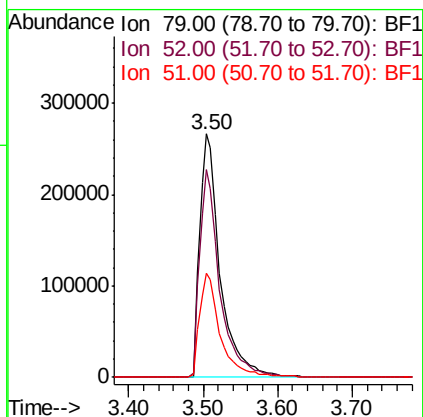
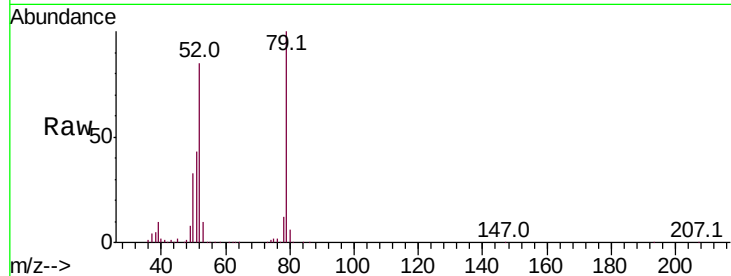
ClientSampleId :

VB-1MSD

Tot Ion:	79	Resp:	510790
Ion Ratio	Lower	Upper	
79	100		
52	85.2	68.3	102.5
51	43.0	32.6	49.0

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#4

n-Nitrosodimethylamine

Concen: 49.573 ng

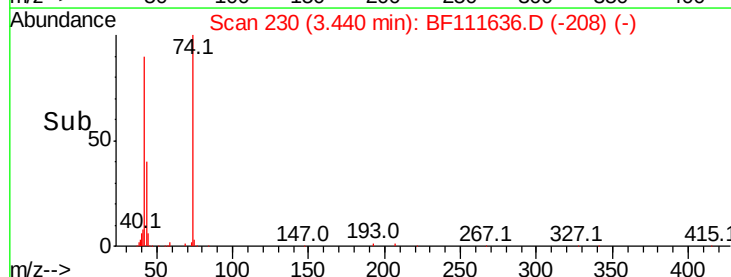
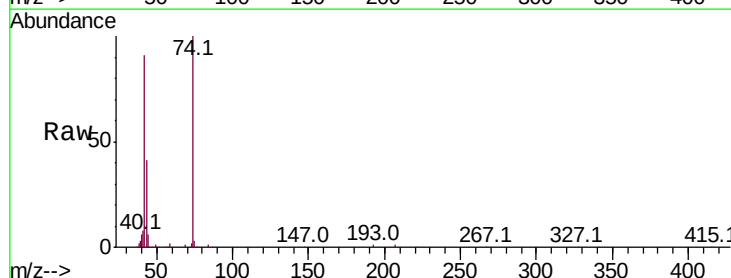
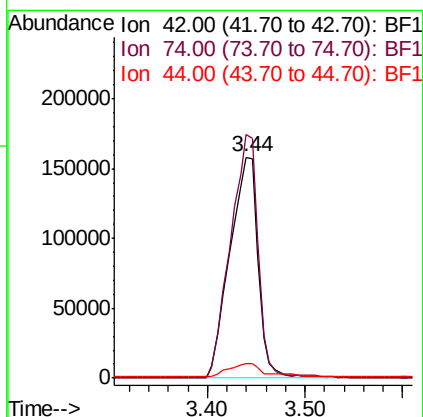
RT: 3.44 min Scan# 230

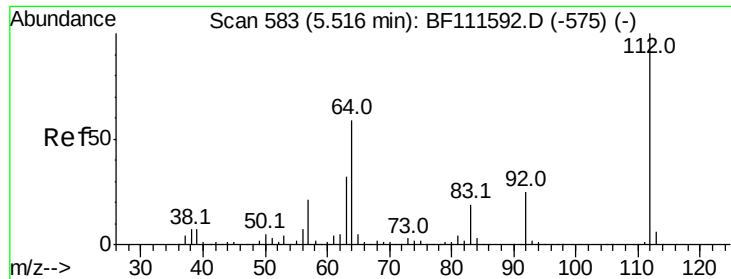
Delta R.T. 0.03 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Tgt Ion:	42	Resp:	319116
Ion Ratio	Lower	Upper	
42	100		
74	110.4	101.5	152.3
44	6.8	6.0	9.0





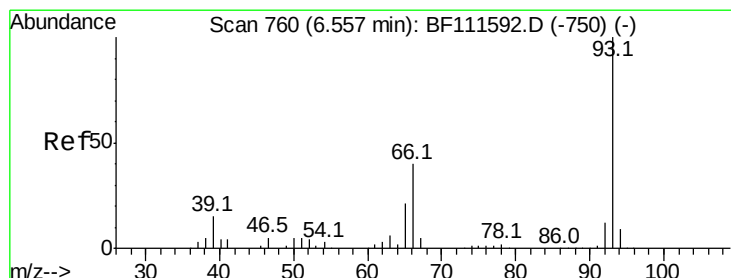
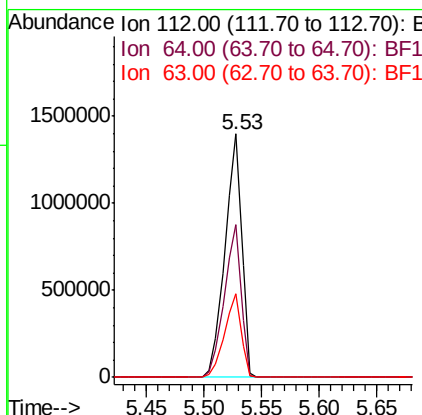
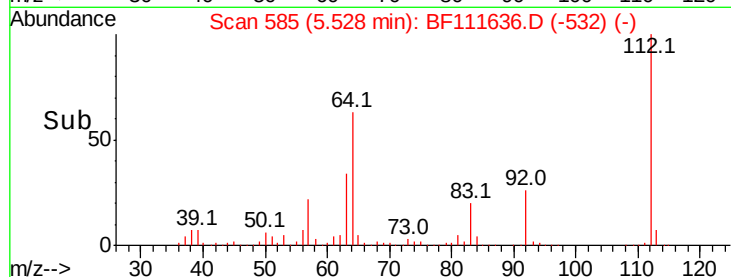
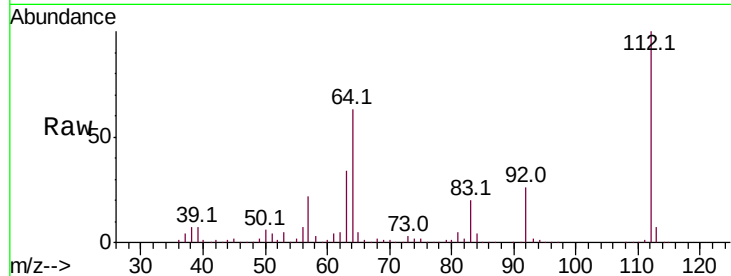
#5
2-Fluorophenol
Concen: 130.799 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampleId :
VB-1MSD

Tot Ion: 112 Resp: 1403583
Ion Ratio Lower Upper
112 100
64 62.9 51.8 77.6
63 34.3 26.8 40.2

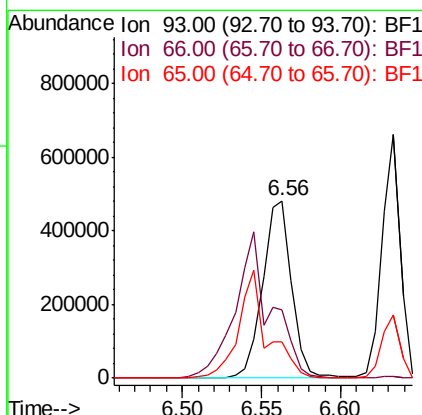
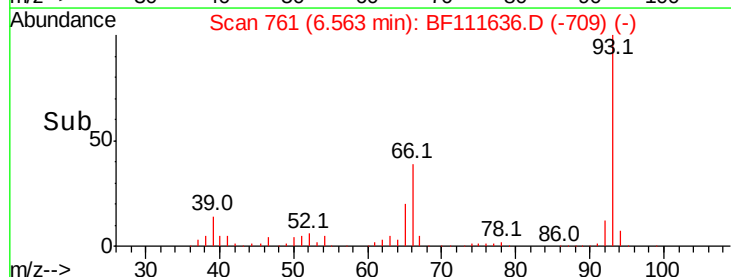
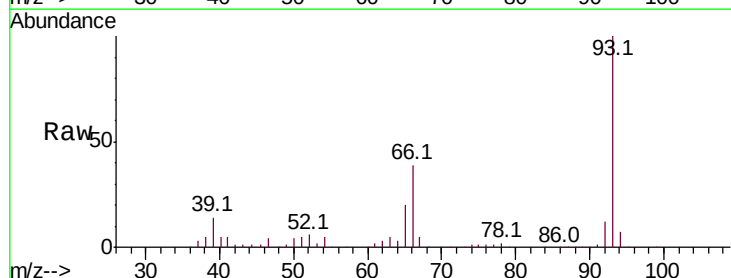
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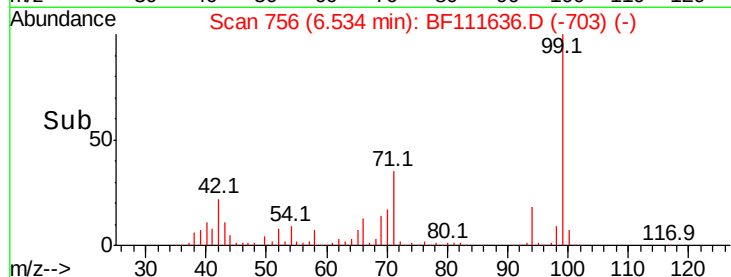
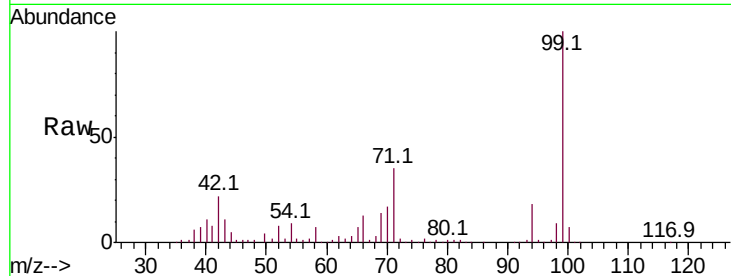
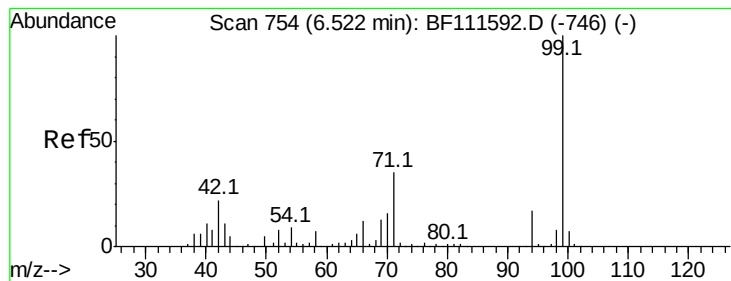
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#6
Aniline
Concen: 35.273 ng
RT: 6.56 min Scan# 761
Delta R.T. 0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion: 93 Resp: 614028
Ion Ratio Lower Upper
93 100
66 38.5 33.2 49.8
65 20.2 17.0 25.4





#7

Phenol-d6

Concen: 135.292 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.01 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Tot Ion: 99 Resp: 1847637

Ion Ratio Lower Upper

99 100

42 22.3 17.4 26.0

71 35.4 26.1 39.1

Instrument :

BNA_F

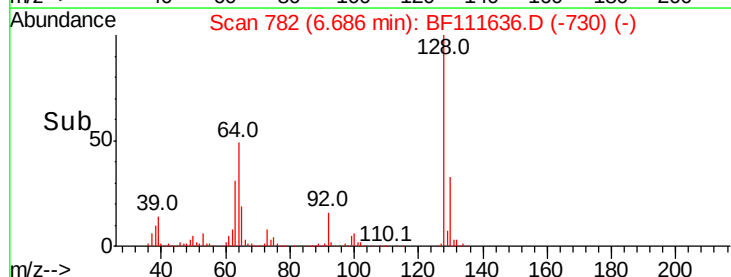
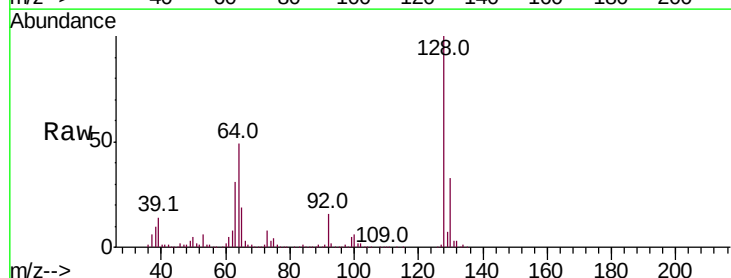
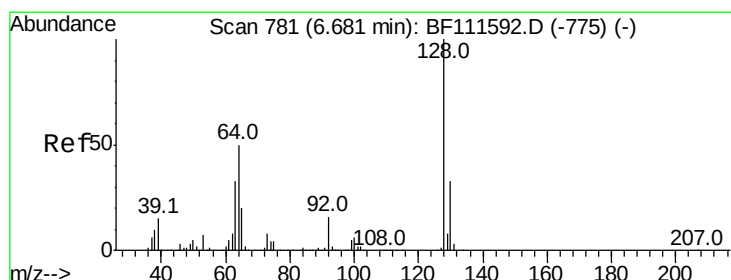
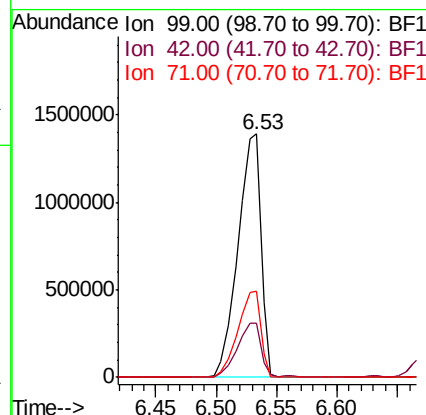
ClientSampleId :

VB-1MSD

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#8

2-Chlorophenol

Concen: 47.758 ng

RT: 6.69 min Scan# 782

Delta R.T. 0.01 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

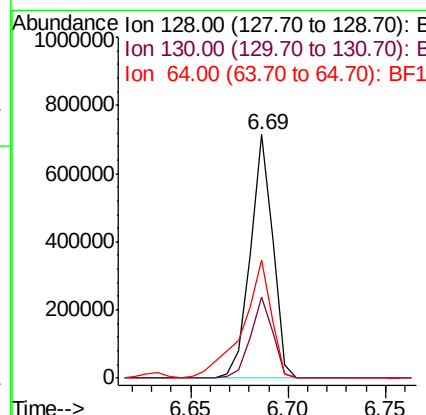
Tgt Ion:128 Resp: 567698

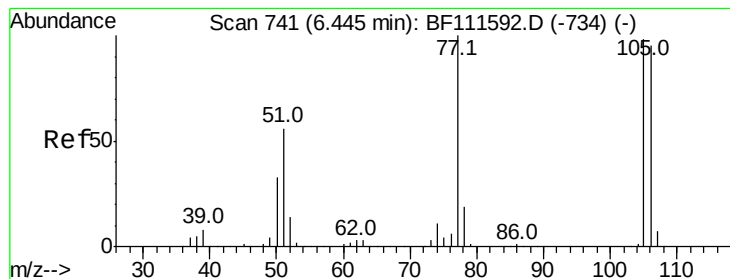
Ion Ratio Lower Upper

128 100

130 33.2 12.7 52.7

64 48.8 30.0 70.0





#9

Benzaldehyde

Concen: 45.611 ng

RT: 6.45 min Scan# 741

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

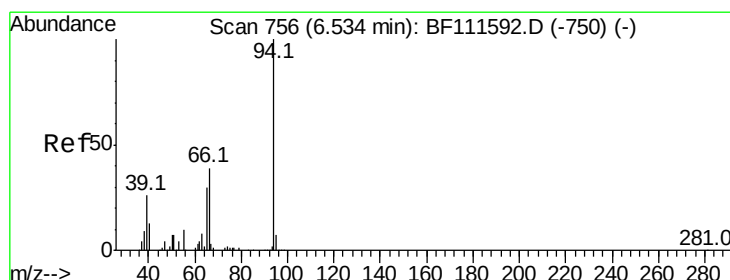
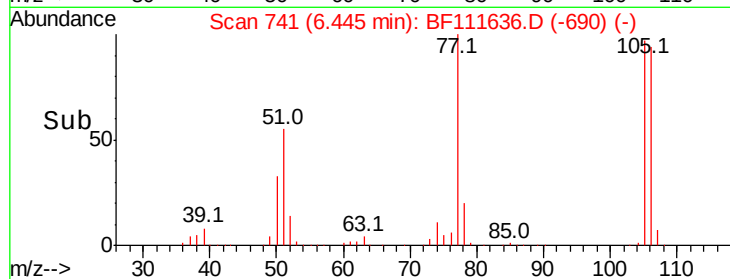
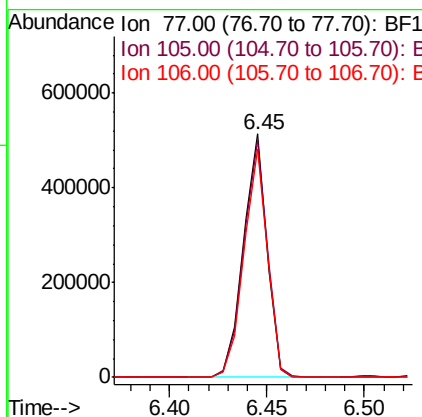
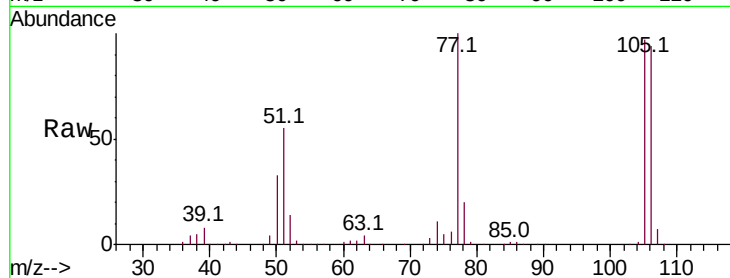
ClientSampleId :

VB-1MSD

Tot Ion:	77	Resp:	428401
Ion Ratio	Lower	Upper	
77	100		
105	97.4	81.4	121.4
106	93.7	77.9	117.9

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#10

Phenol

Concen: 51.550 ng

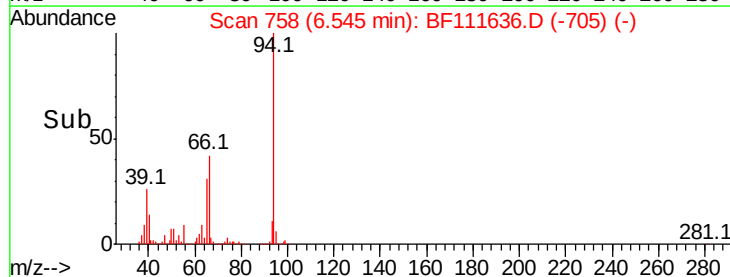
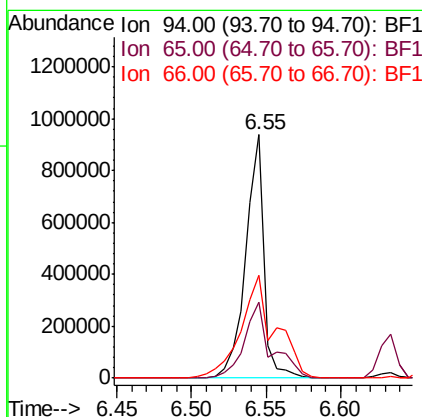
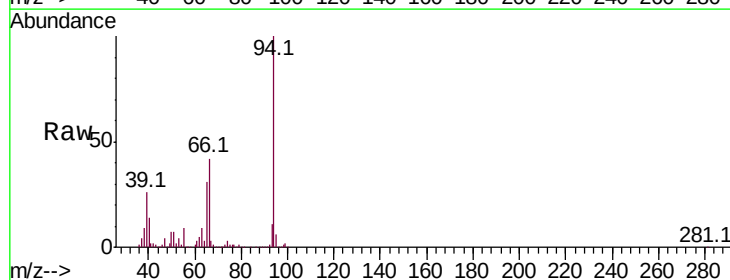
RT: 6.55 min Scan# 758

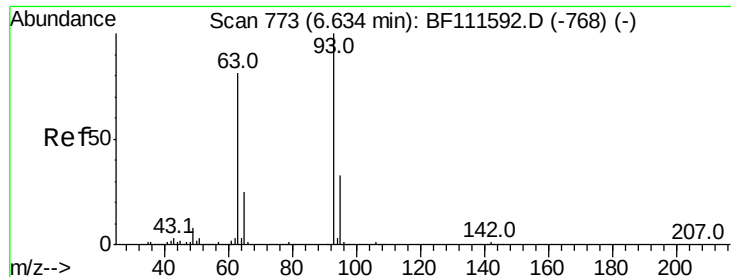
Delta R.T. 0.01 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Tgt Ion:	94	Resp:	794327
Ion Ratio	Lower	Upper	
94	100		
65	31.3	11.7	51.7
66	42.5	21.0	61.0





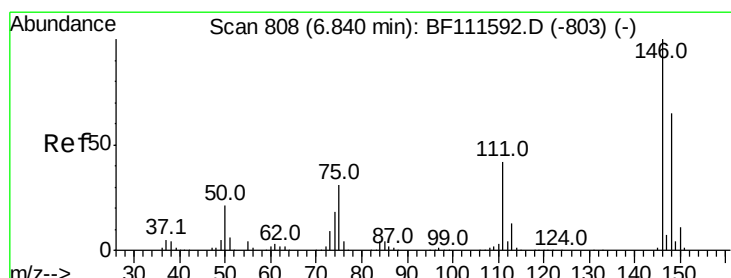
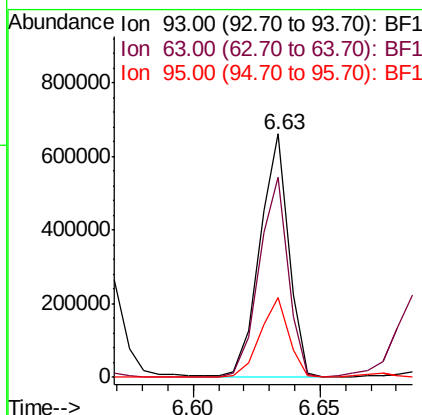
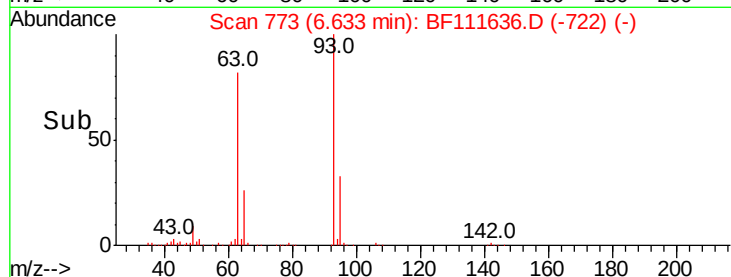
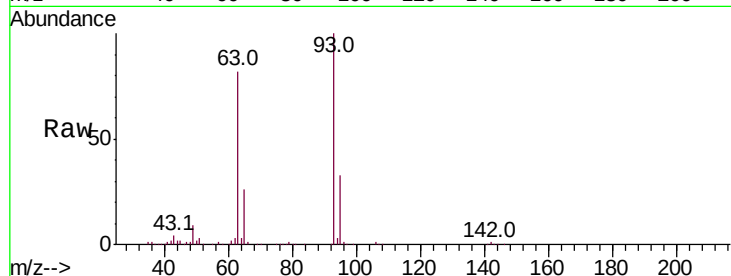
#11
bis(2-Chloroethyl)ether
Concen: 45.487 ng
RT: 6.63 min Scan# 773
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampleId :
VB-1MSD

Tot Ion	Ratio	Lower	Upper
93	100		
63	82.3	60.0	100.0
95	32.9	13.4	53.4

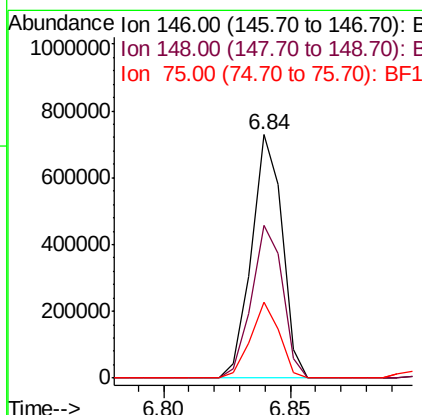
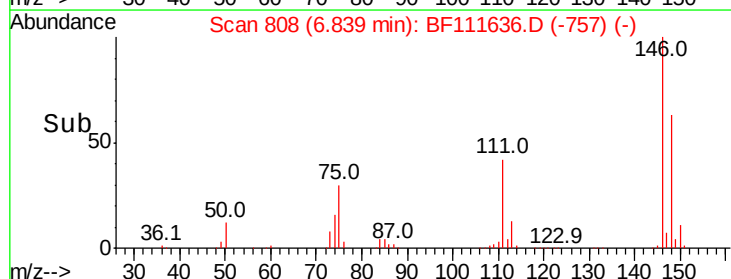
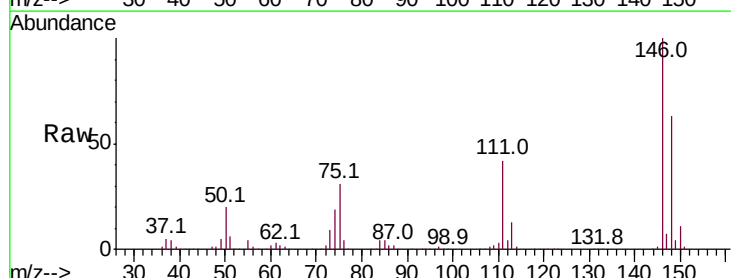
Manual Integrations
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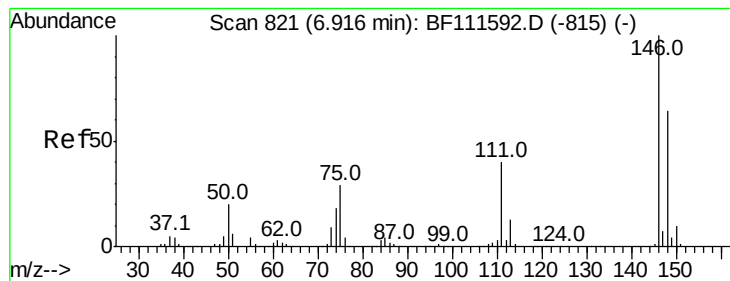
Sohil
12/21/2018 2:46:38 PM



#12
1,3-Dichlorobenzene
Concen: 44.711 ng
RT: 6.84 min Scan# 808
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
146	100		
148	63.0	52.1	78.1
75	31.0	23.9	35.9





#13

1,4-Dichlorobenzene

Concen: 44.963 ng

RT: 6.92 min Scan# 821

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

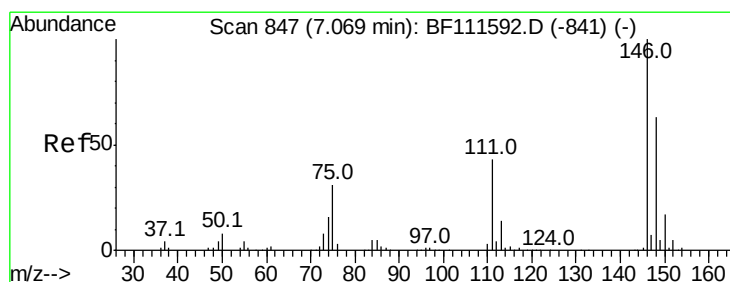
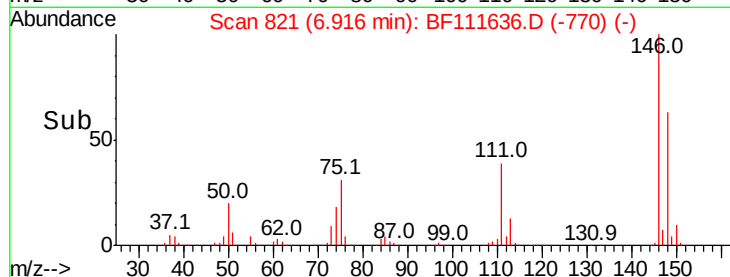
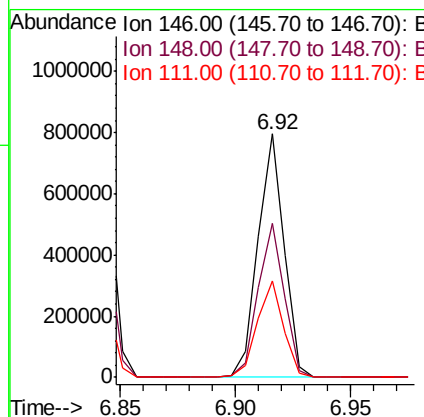
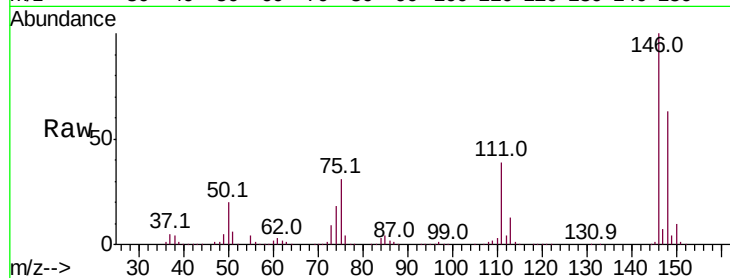
ClientSampled :

VB-1MSD

Tot Ion	Ratio	Lower	Upper
146	100		
148	63.0	52.8	79.2
111	39.4	33.4	50.0

Manual Integrations
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#14

1,2-Dichlorobenzene

Concen: 45.268 ng

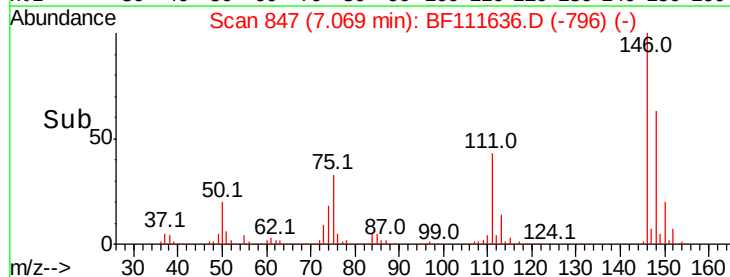
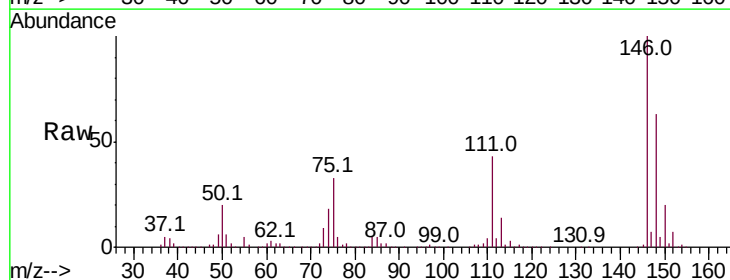
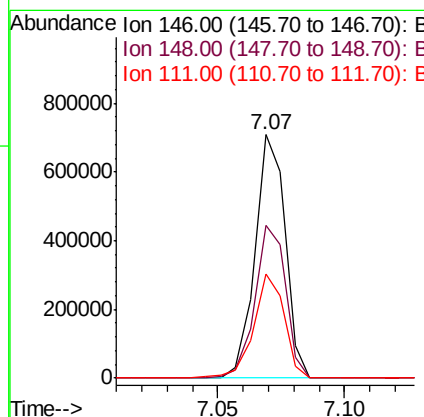
RT: 7.07 min Scan# 847

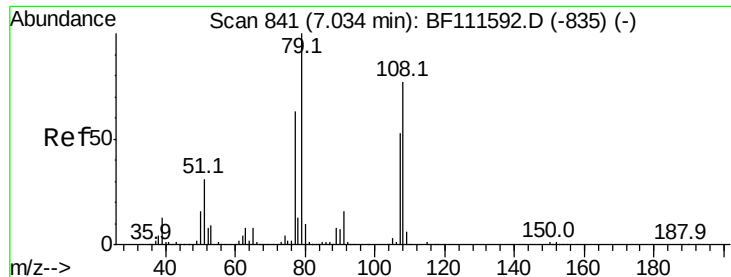
Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
146	100		
148	62.9	51.9	77.9
111	43.0	36.2	54.4





#15

Benzyl Alcohol

Concen: 47.968 ng

RT: 7.03 min Scan# 841

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

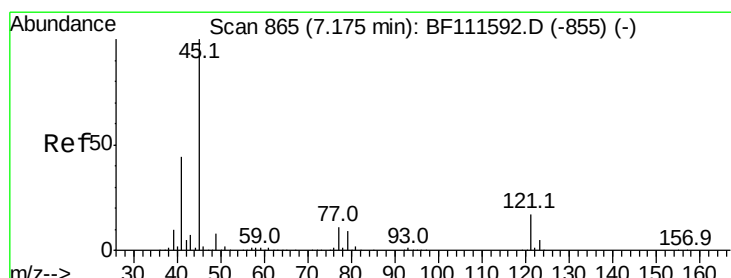
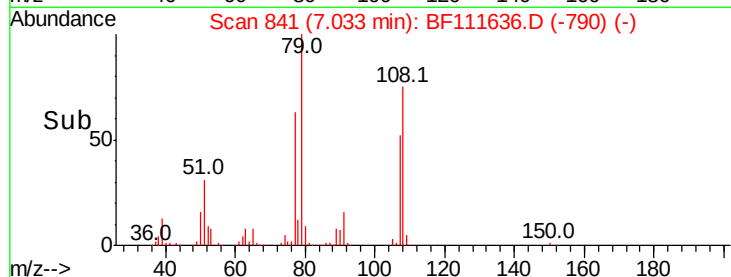
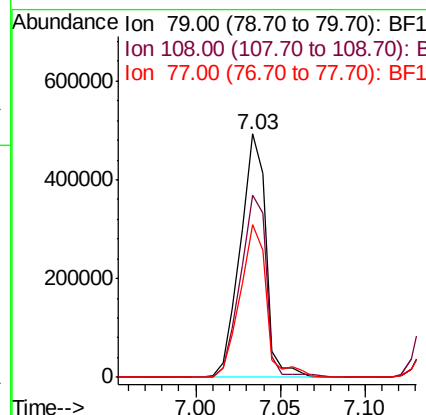
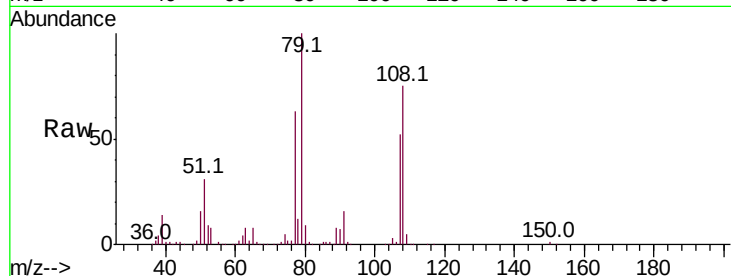
ClientSampled :

VB-1MSD

Tot Ion	Ratio	Lower	Upper
79	100		
108	74.7	69.4	104.2
77	62.6	49.7	74.5

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#16

2,2'-oxybis(1-Chloropropane)

Concen: 43.789 ng

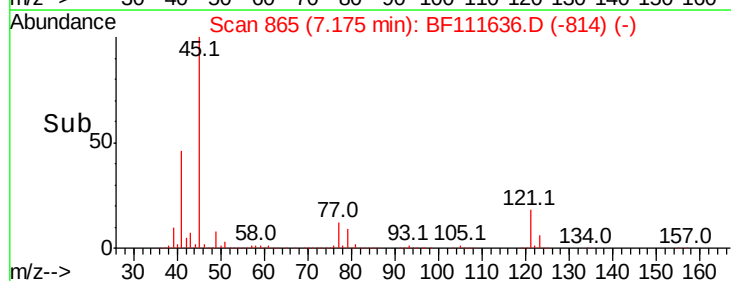
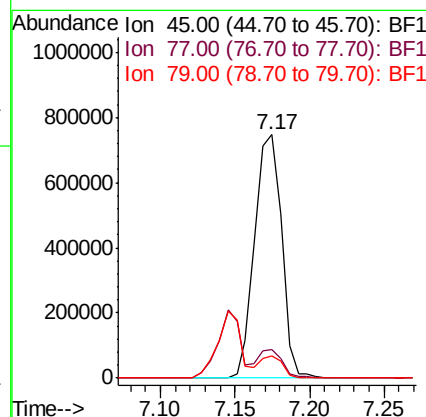
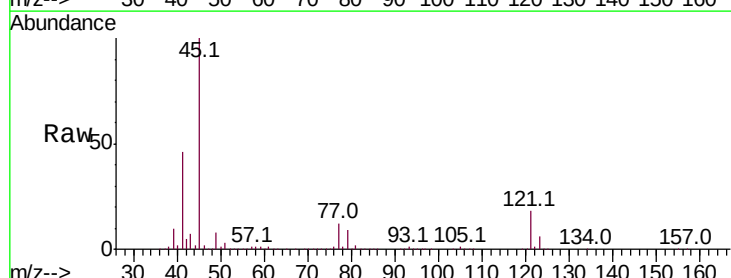
RT: 7.17 min Scan# 865

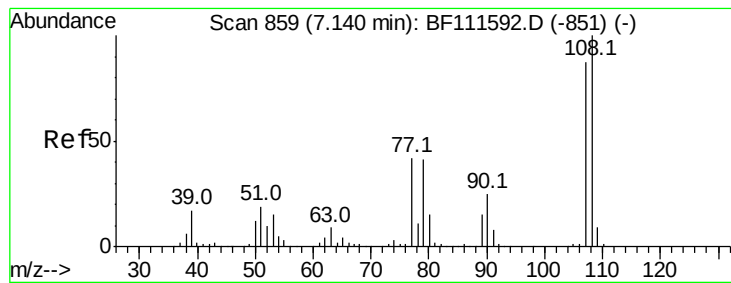
Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
45	100		
77	11.7	0.0	31.5
79	9.1	0.0	28.9





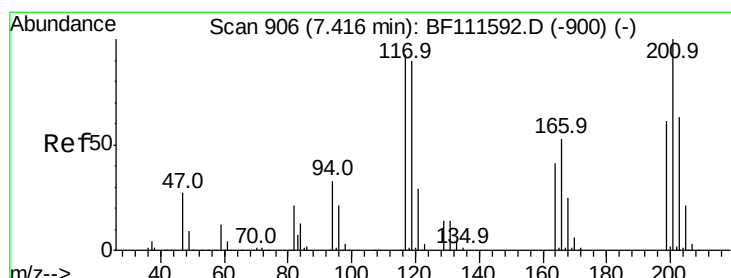
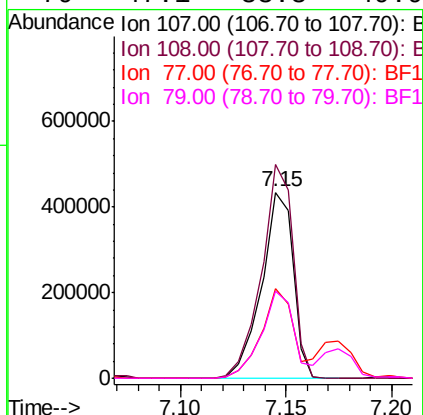
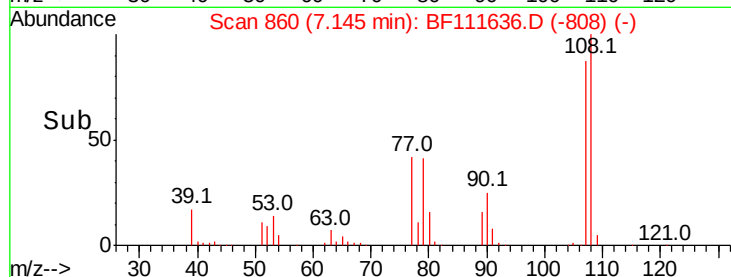
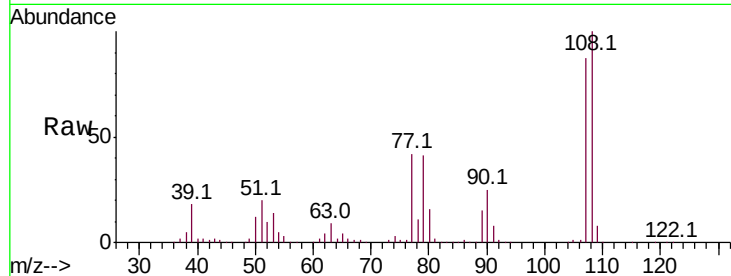
#17
2-Methylphenol
Concen: 47.795 ng
RT: 7.15 min Scan# 860
Delta R.T. 0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampleId :
VB-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
107	100			
108	114.9	91.0	136.4	
77	48.2	33.5	50.3	
79	47.1	33.3	49.9	

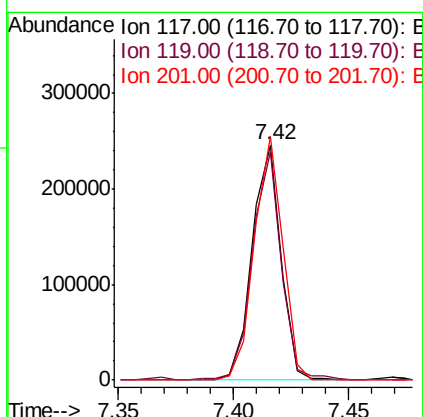
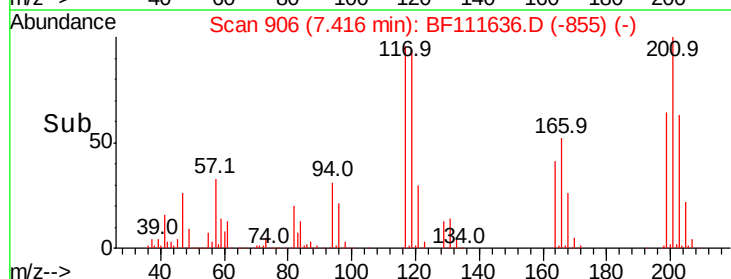
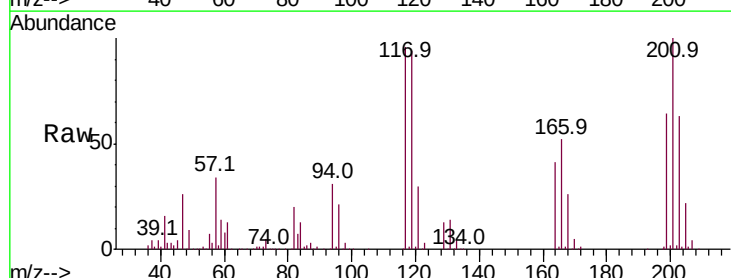
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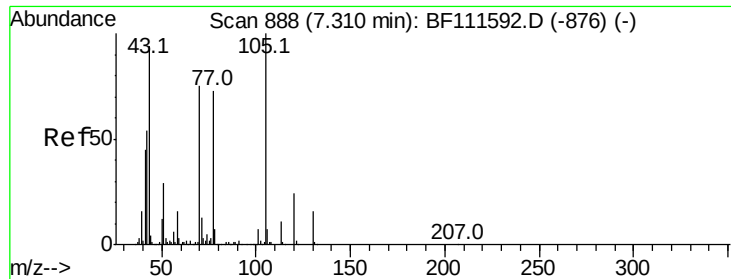
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#18
Hexachloroethane
Concen: 45.627 ng
RT: 7.42 min Scan# 906
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
117	100			
119	97.3	75.4	113.0	
201	103.7	62.4	93.6#	





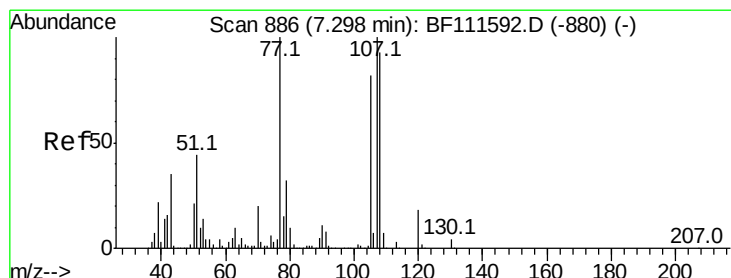
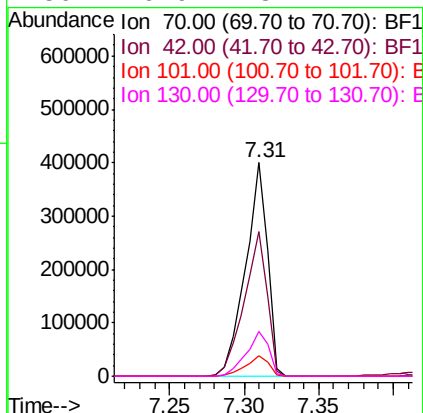
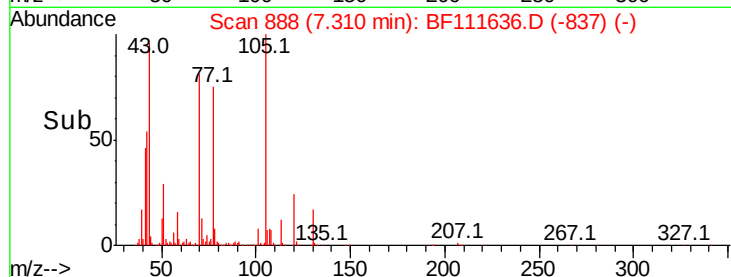
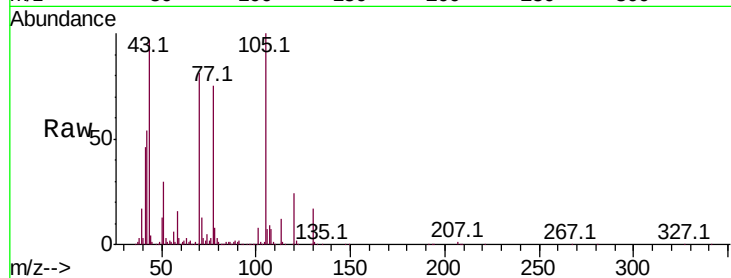
#19
n-Nitroso-di-n-propylamine
Concen: 45.043 ng
RT: 7.31 min Scan# 888
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampleId :
VB-1MSD

Tot Ion	70	Resp	408518
Ion Ratio	Lower	Upper	
70	100		
42	67.5	53.2	79.8
101	9.4	8.2	12.4
130	20.9	18.1	27.1

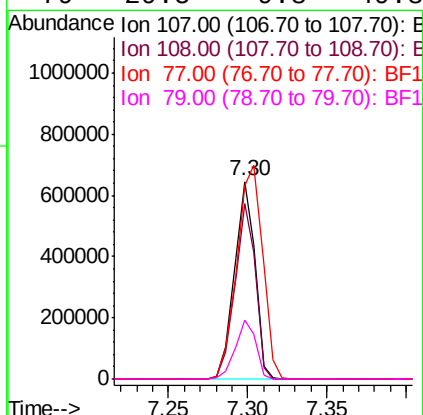
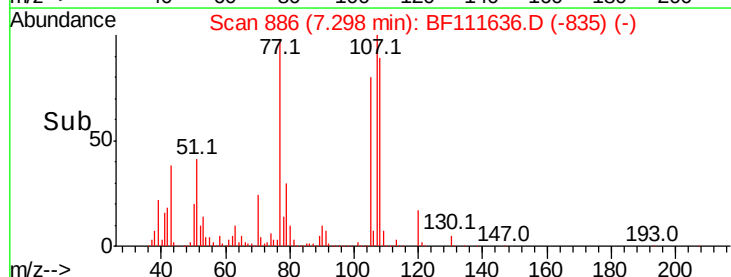
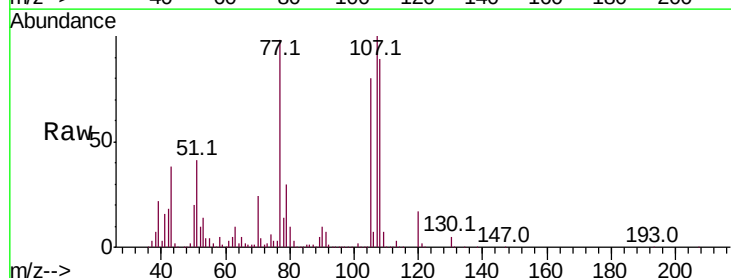
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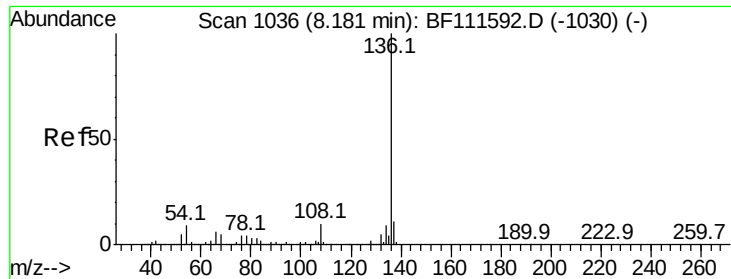
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#20
3+4-Methylphenols
Concen: 48.293 ng
RT: 7.30 min Scan# 886
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion	107	Resp	580815
Ion Ratio	Lower	Upper	
107	100		
108	88.9	72.1	112.1
77	97.7	94.1	134.1
79	29.5	9.8	49.8





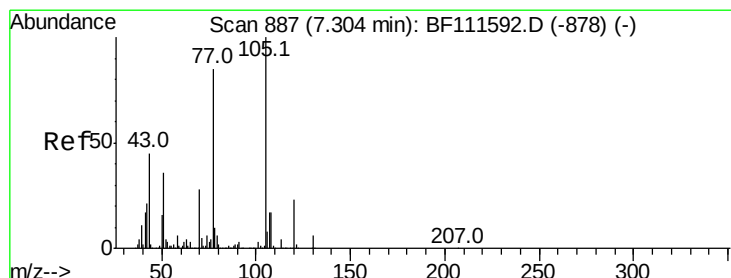
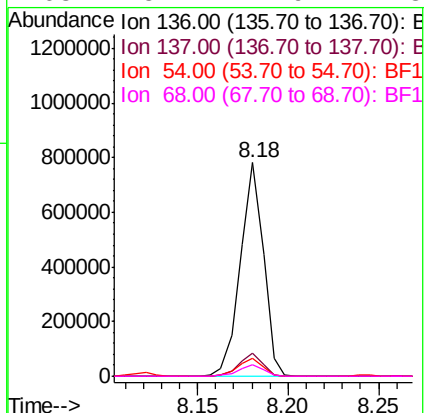
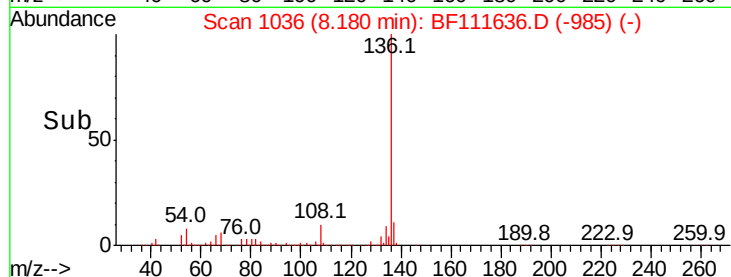
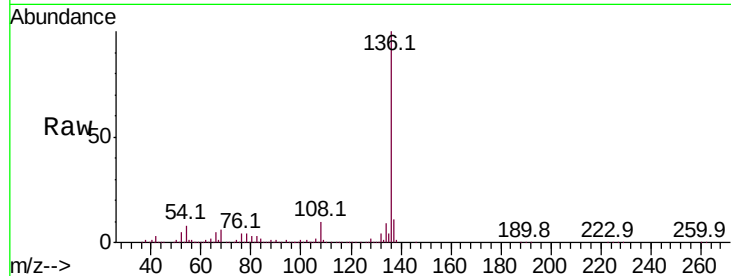
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.18 min Scan# 1036
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampleId :
VB-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
136	100	691824		
137	10.9		9.1	13.7
54	8.4		7.7	11.5
68	5.7		4.9	7.3

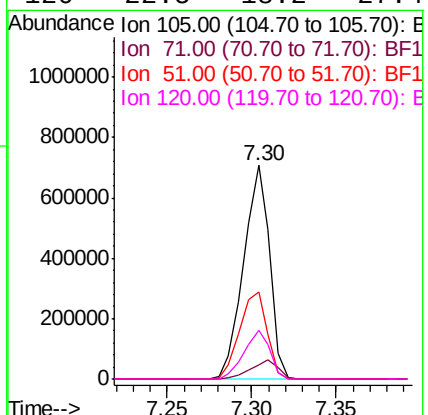
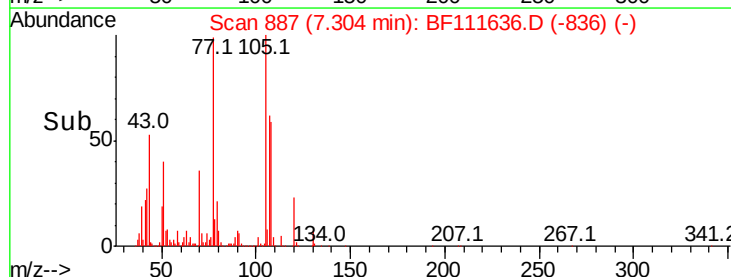
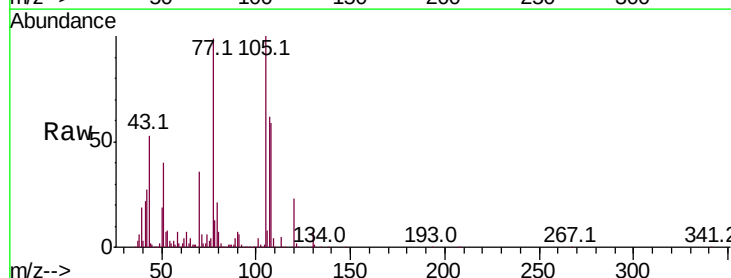
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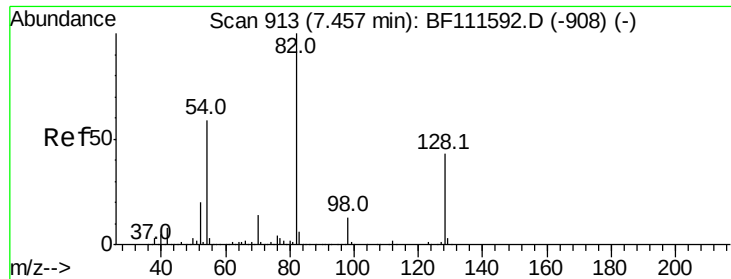
Sohil
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#22
Acetophenone
Concen: 43.386 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
105	100	760407		
71	6.3		3.1	4.7#
51	40.5		36.6	54.8
120	22.5		18.2	27.4





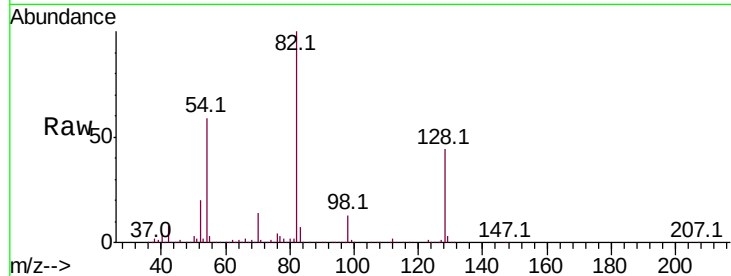
#23
Nitrobenzene-d5
Concen: 97.251 ng
RT: 7.46 min Scan# 913
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampled :
VB-1MSD

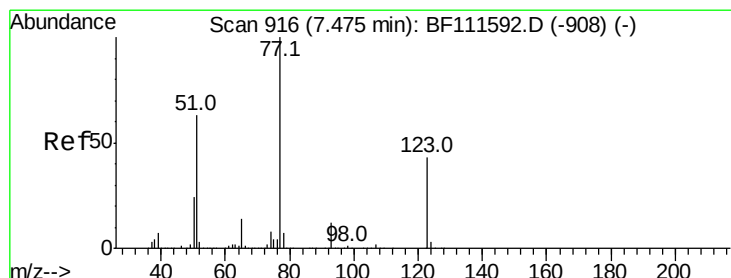
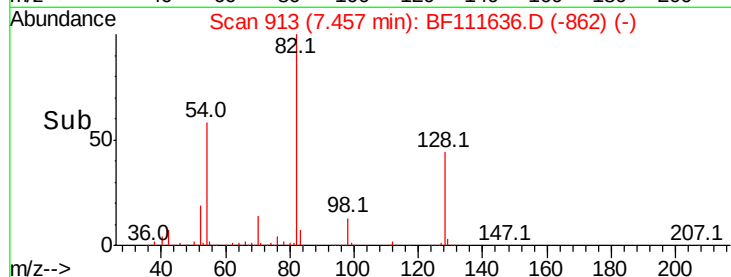
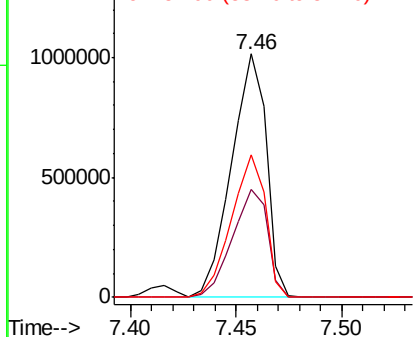
Tot Ion: 82 Resp: 1155874
Ion Ratio Lower Upper
82 100
128 44.2 37.4 56.2
54 58.6 47.6 71.4

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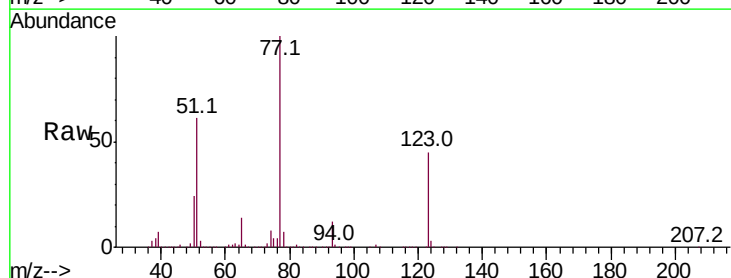


Abundance Ion 82.00 (81.70 to 82.70): BF1
Ion 128.00 (127.70 to 128.70): BF1
Ion 54.00 (53.70 to 54.70): BF1

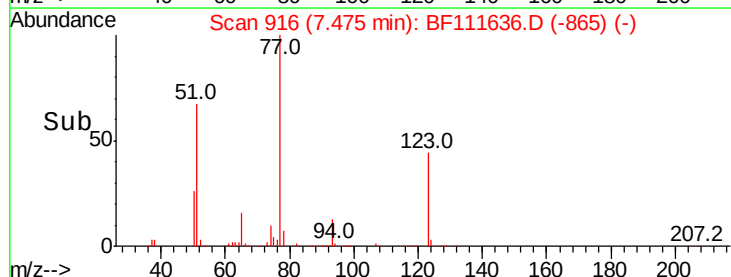
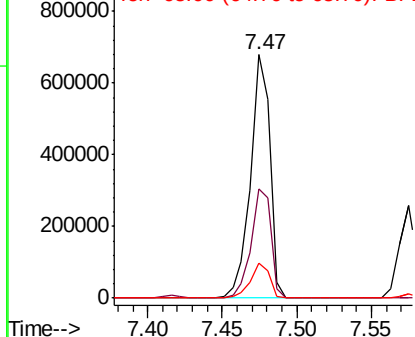


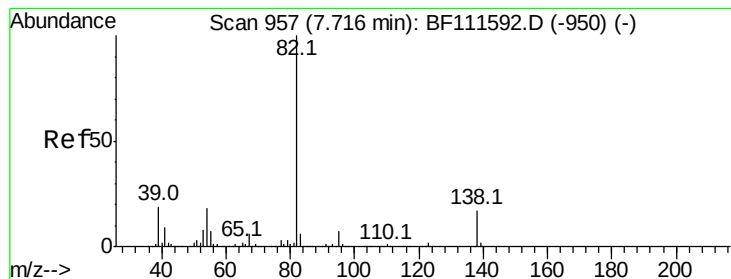
#24
Nitrobenzene
Concen: 48.782 ng
RT: 7.47 min Scan# 916
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion: 77 Resp: 607671
Ion Ratio Lower Upper
77 100
123 44.8 37.2 55.8
65 14.4 11.5 17.3



Abundance Ion 77.00 (76.70 to 77.70): BF1
Ion 123.00 (122.70 to 123.70): BF1
Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 51.451 ng

RT: 7.72 min Scan# 957

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

ClientSampleId :

VB-1MSD

Tot Ion: 82 Resp: 1085620

Ion Ratio Lower Upper

82 100

95 7.3 5.4 8.2

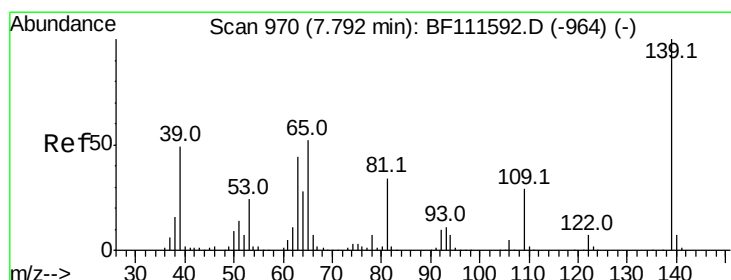
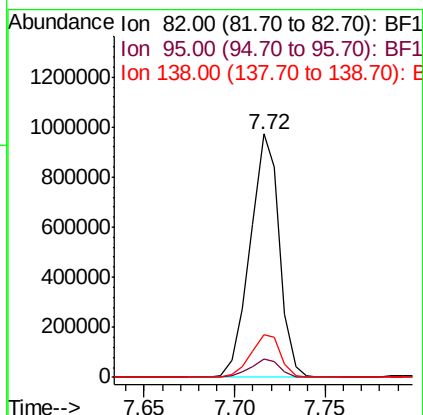
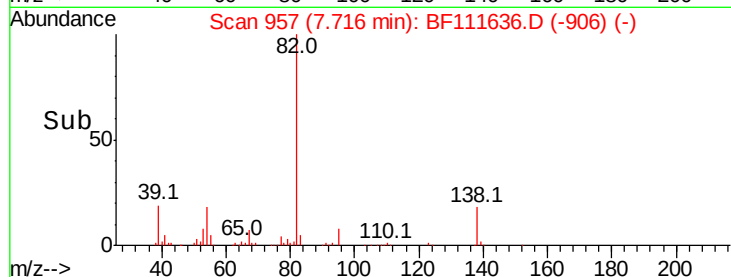
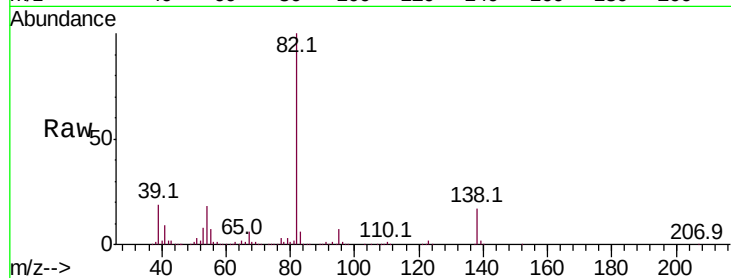
138 17.3 15.1 22.7

Manual Integrations

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#26

2-Nitrophenol

Concen: 56.286 ng

RT: 7.79 min Scan# 970

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

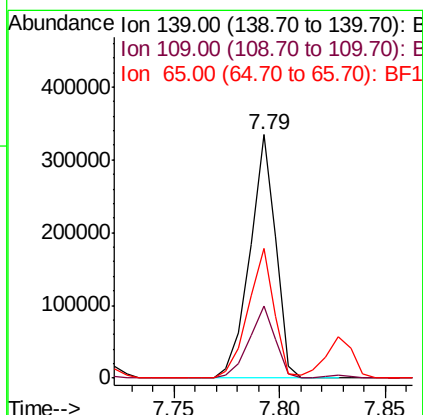
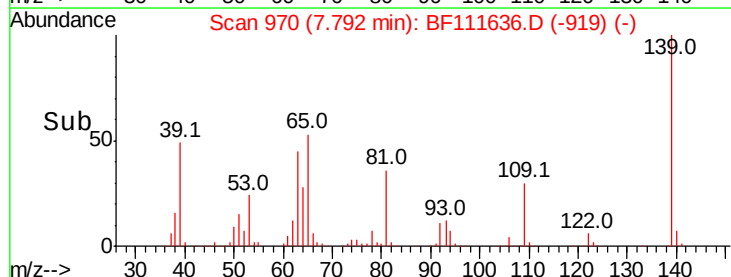
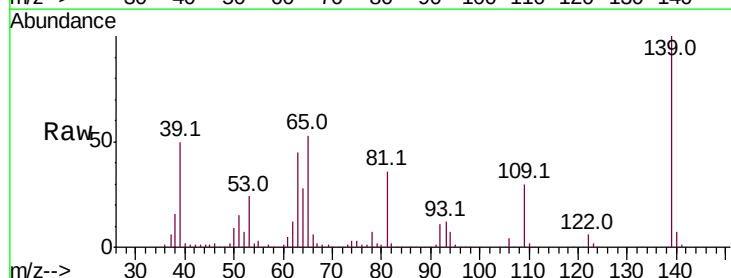
Tgt Ion: 139 Resp: 284364

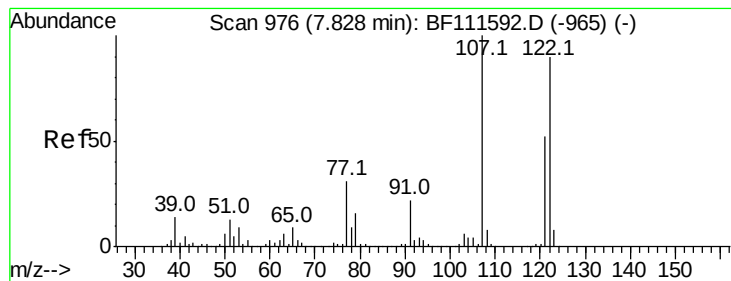
Ion Ratio Lower Upper

139 100

109 29.7 20.2 30.4

65 53.4 40.7 61.1





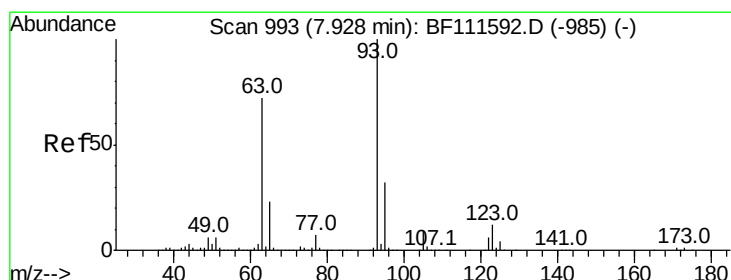
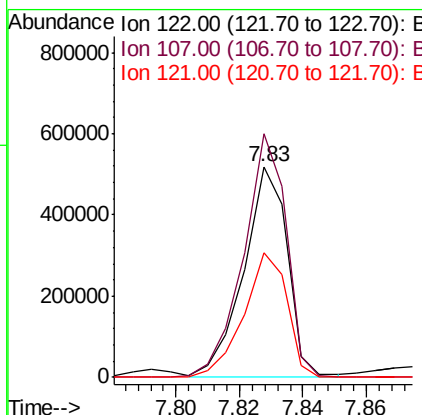
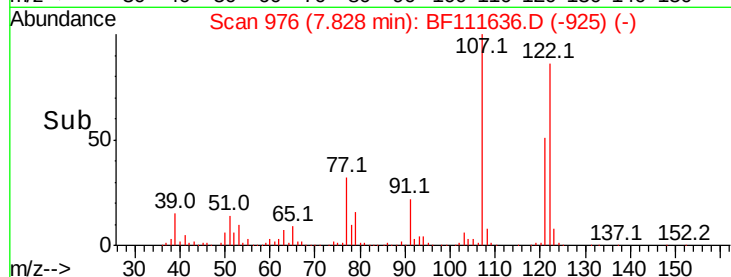
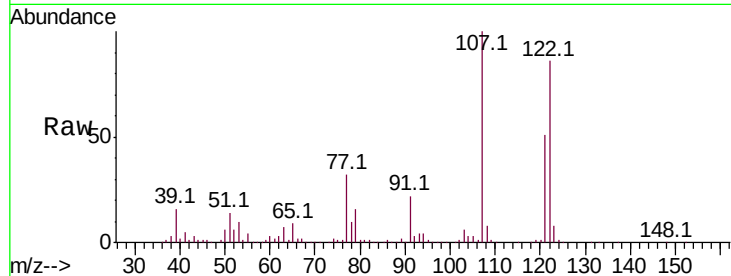
#27
2,4-Dimethylphenol
Concen: 49.824 ng
RT: 7.83 min Scan# 976
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampleId :
VB-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
122	100	496210		
107	115.6	85.5	128.3	
121	58.9	46.6	70.0	

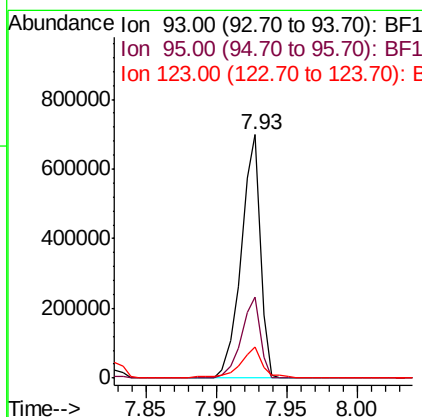
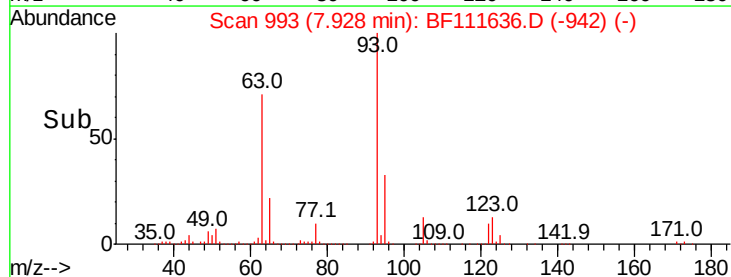
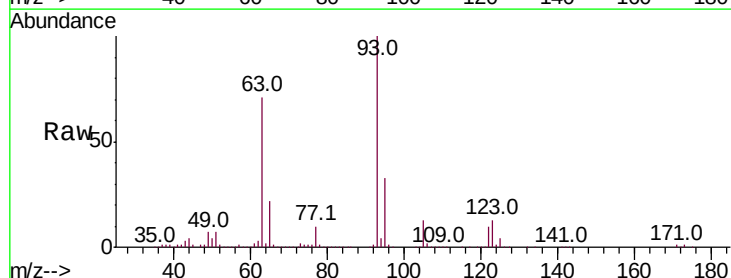
Manual Integrations
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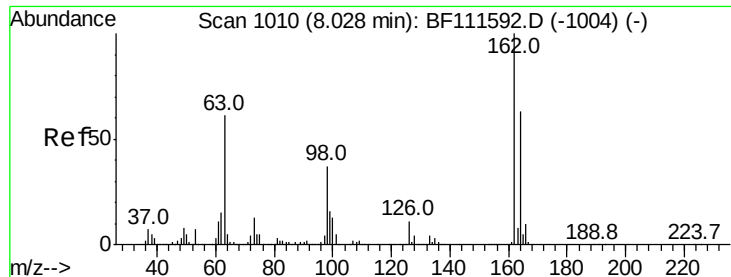
Sohil
12/21/2018 2:46:38 PM



#28
bis(2-Chloroethoxy)methane
Concen: 46.775 ng
RT: 7.93 min Scan# 993
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
93	100	656765		
95	33.0	27.1	40.7	
123	12.7	9.9	14.9	





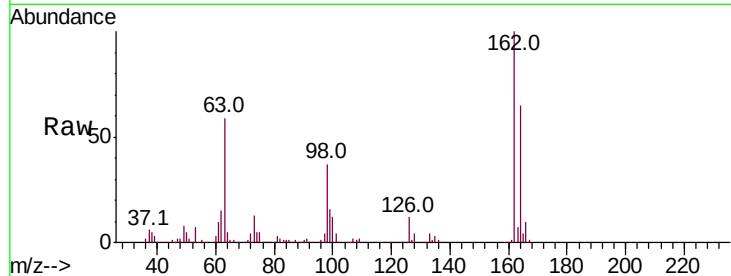
#29
 2,4-Dichlorophenol
 Concen: 46.866 ng
 RT: 8.03 min Scan# 1011
 Delta R.T. 0.01 min
 Lab File: BF111636.D
 Acq: 20 Dec 2018 13:44

Instrument :
 BNA_F
 ClientSampleId :
 VB-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
162	100	502026		
164	64.8	44.4	84.4	
98	36.6	20.3	60.3	

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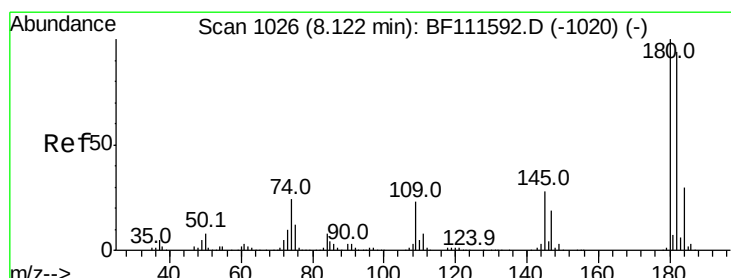
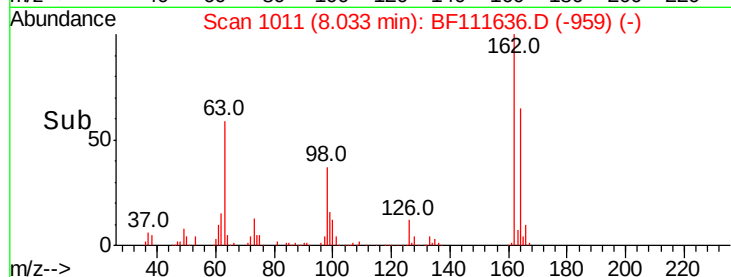
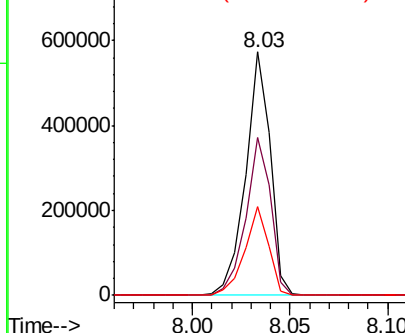


Abundance

Ion 162.00 (161.70 to 162.70): E

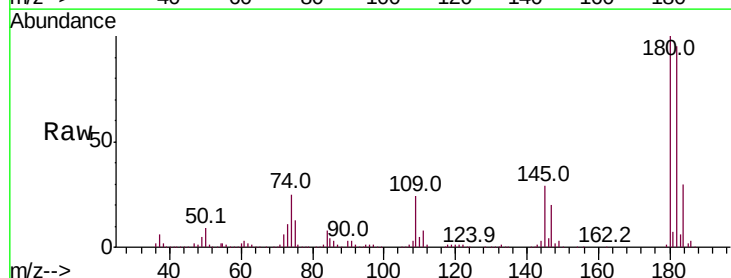
Ion 164.00 (163.70 to 164.70): E

Ion 98.00 (97.70 to 98.70): BF1



#30
 1,2,4-Trichlorobenzene
 Concen: 44.109 ng
 RT: 8.12 min Scan# 1026
 Delta R.T. -0.00 min
 Lab File: BF111636.D
 Acq: 20 Dec 2018 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
180	100	526523		
182	95.4	75.6	113.4	
145	28.7	26.7	40.1	

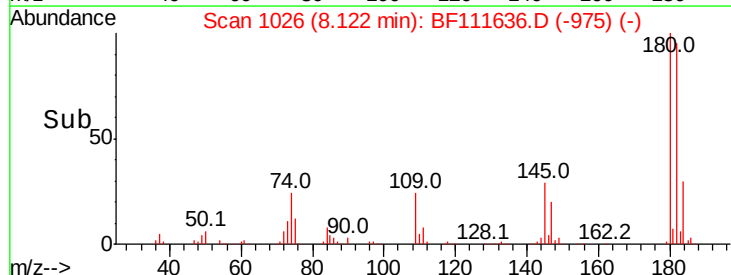
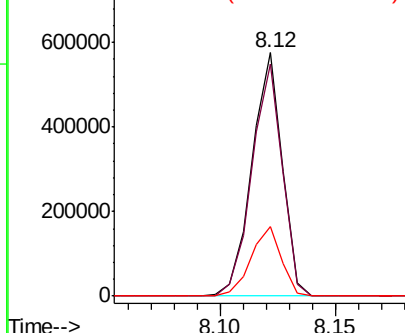


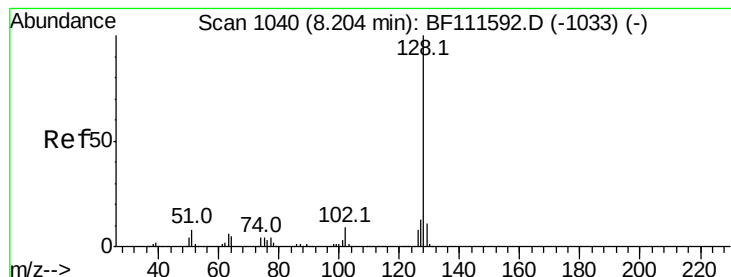
Abundance

Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 48.433 ng

RT: 8.20 min Scan# 1040

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

ClientSampleId :

VB-1MSD

Tot Ion:128 Resp: 1609980

Ion Ratio Lower Upper

128 100

129 11.2 9.8 14.8

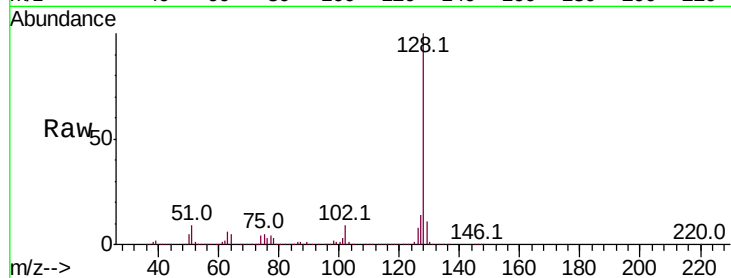
127 13.9 12.0 18.0

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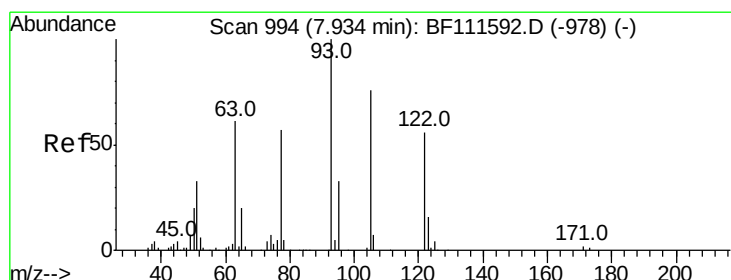
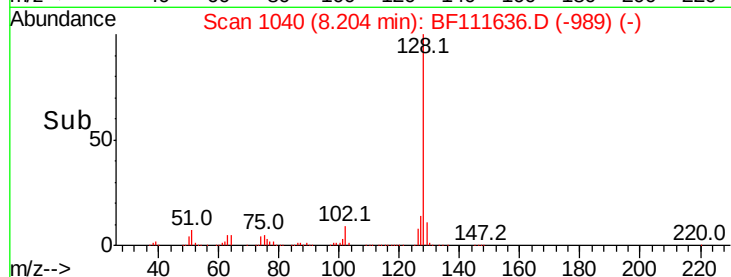
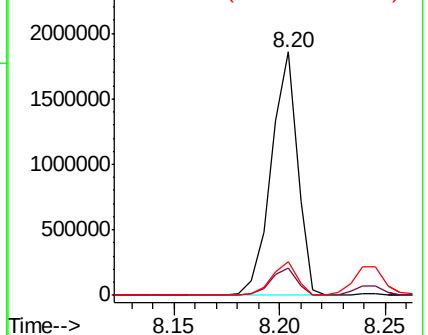
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Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#32

Benzoic acid

Concen: 45.860 ng

RT: 7.95 min Scan# 996

Delta R.T. 0.01 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

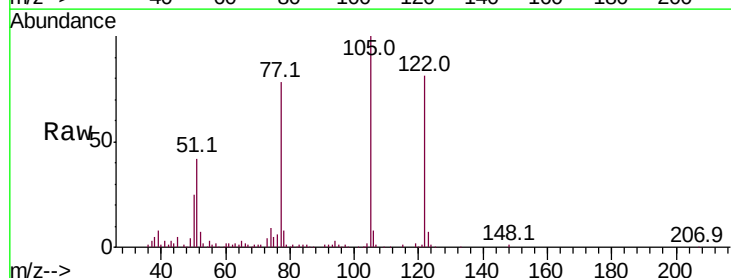
Tgt Ion:122 Resp: 301979

Ion Ratio Lower Upper

122 100

105 123.8 97.0 137.0

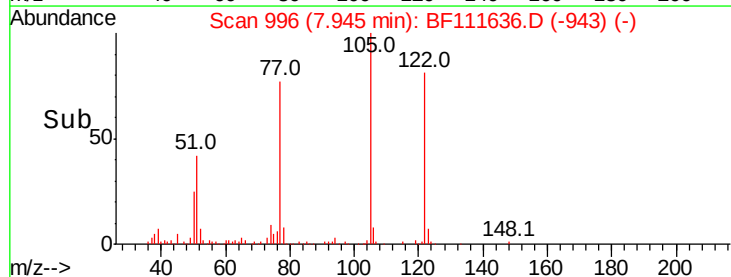
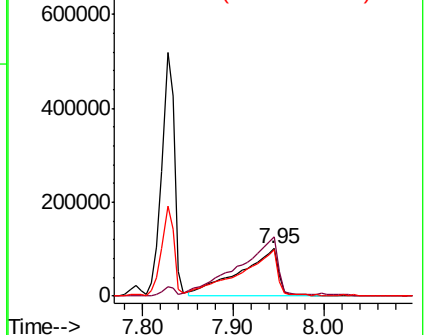
77 96.3 65.7 105.7

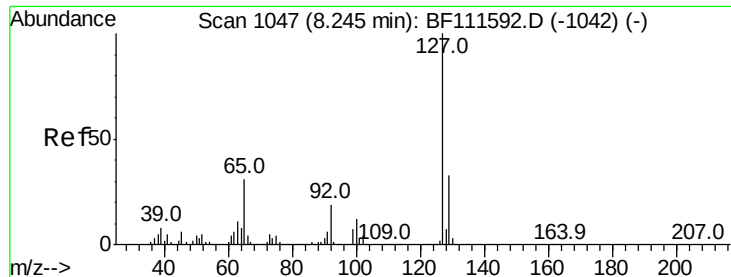


Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1





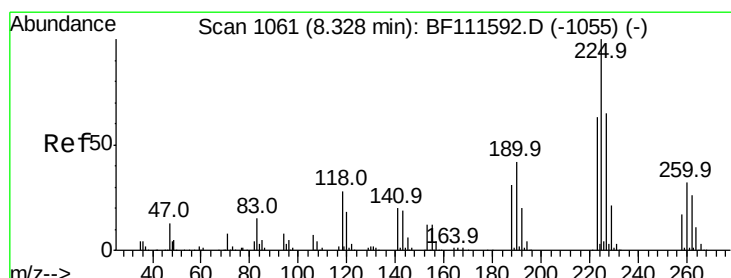
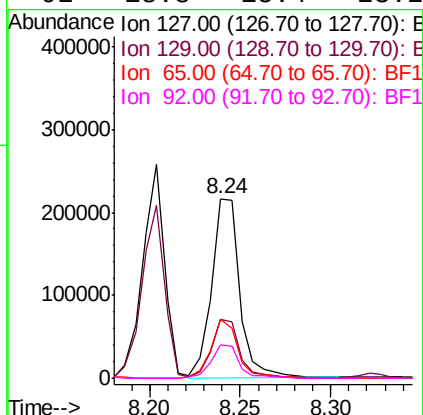
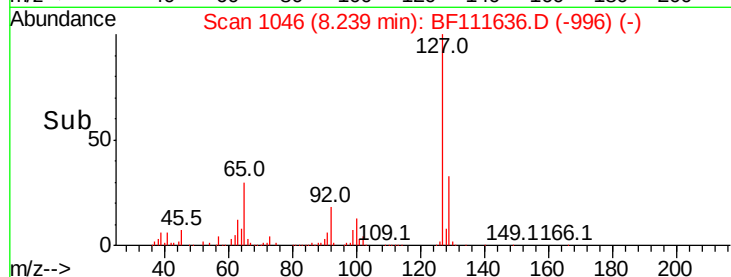
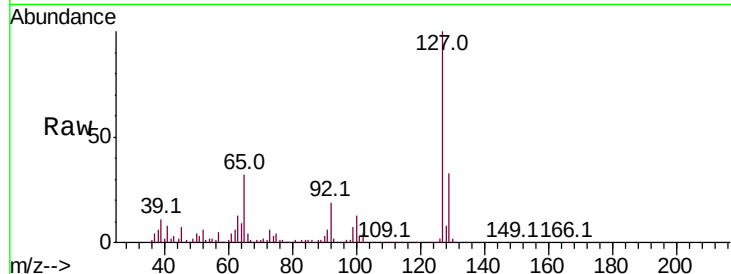
#33
4-Chloroaniline
Concen: 16.155 ng
RT: 8.24 min Scan# 1046
Delta R.T. -0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampleId :
VB-1MSD

Tot Ion	Ratio	Resp Lower	Resp Upper
127	100		
129	32.6	26.6	39.8
65	32.5	25.7	38.5
92	18.8	15.4	23.2

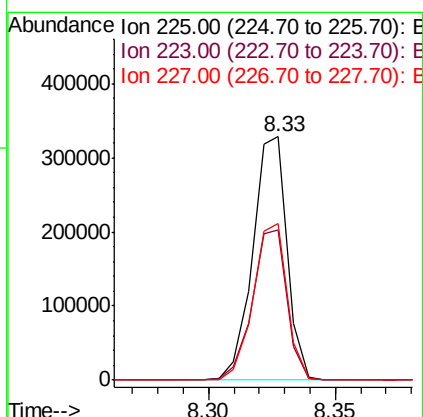
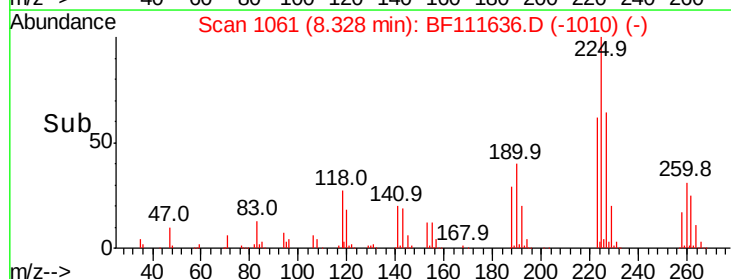
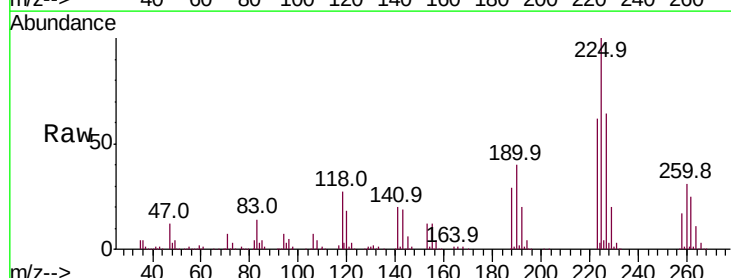
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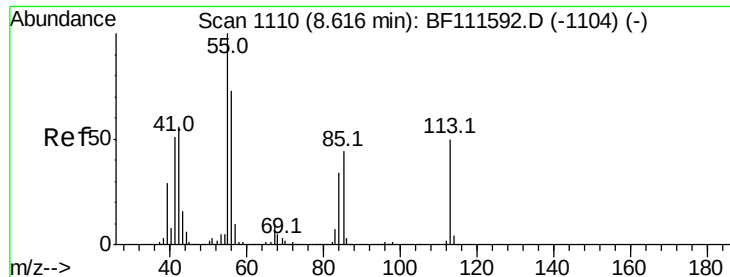
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#34
Hexachlorobutadiene
Concen: 42.458 ng
RT: 8.33 min Scan# 1061
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion	Ratio	Resp Lower	Resp Upper
225	100		
223	61.9	50.7	76.1
227	64.4	52.6	78.8





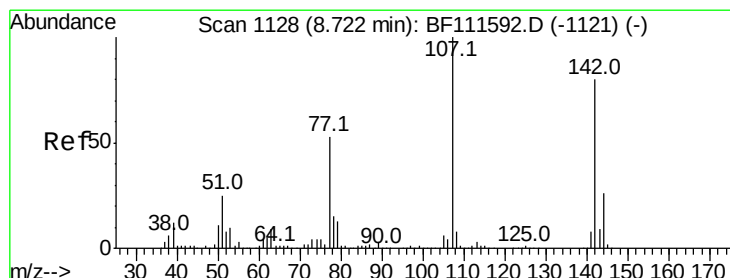
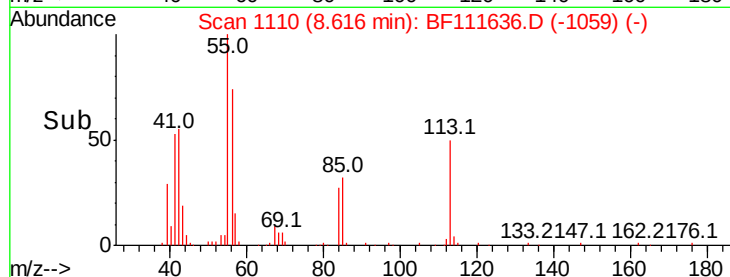
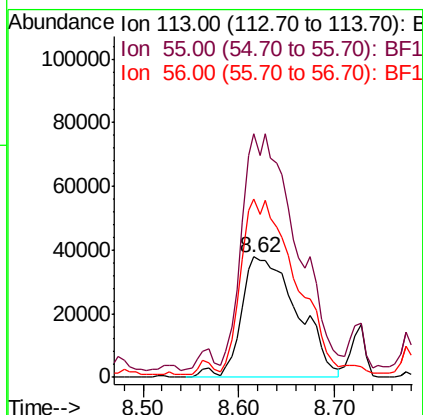
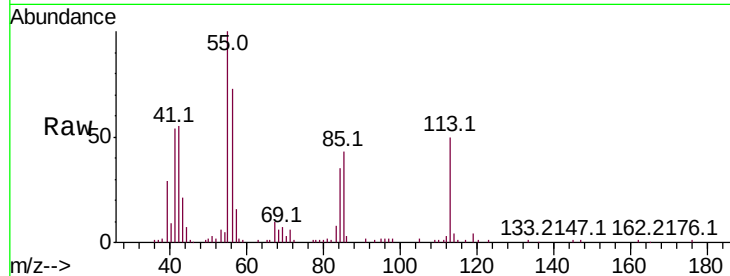
#35
 Caprolactam
 Concen: 42.553 ng/ml
 RT: 8.62 min Scan# 1110
 Delta R.T. -0.00 min
 Lab File: BF111636.D
 Acq: 20 Dec 2018 13:44

Instrument :
 BNA_F
 ClientSampled :
 VB-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
113	100			
55	201.9	184.1	224.1	
56	147.5	126.0	166.0	

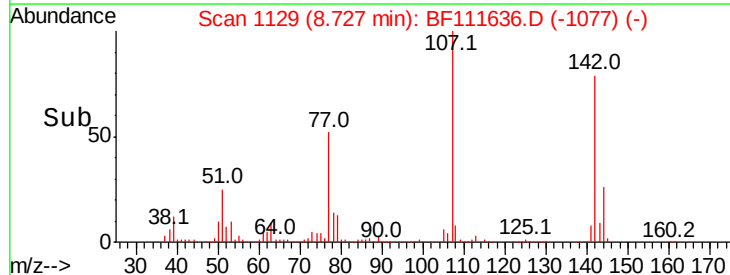
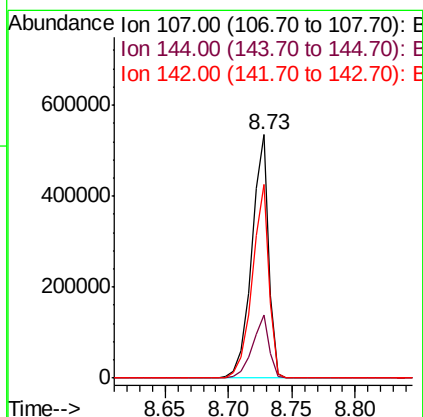
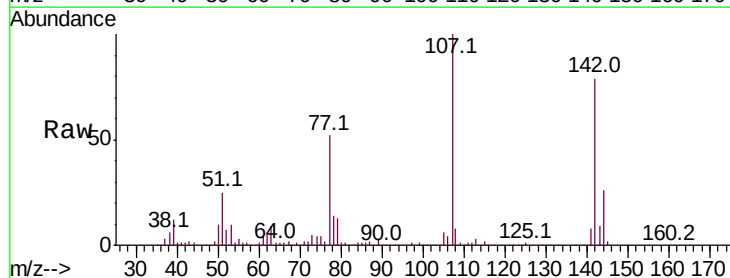
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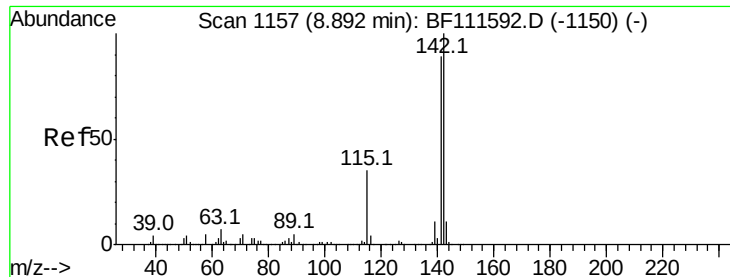
Sohil
 12/21/2018 2:46:38 PM



#36
 4-Chloro-3-methylphenol
 Concen: 47.459 ng/ml
 RT: 8.73 min Scan# 1129
 Delta R.T. 0.01 min
 Lab File: BF111636.D
 Acq: 20 Dec 2018 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
107	100			
144	26.0	19.8	29.6	
142	79.4	62.3	93.5	





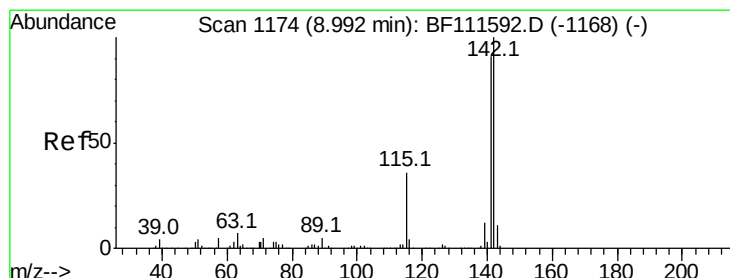
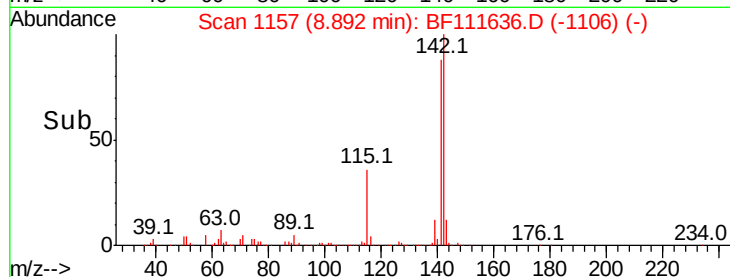
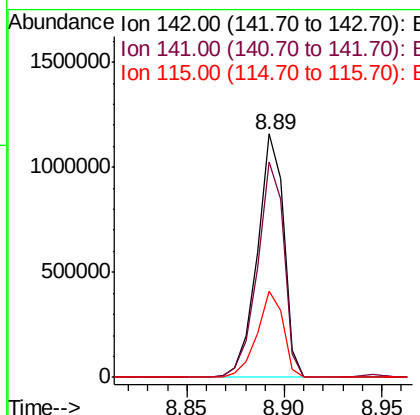
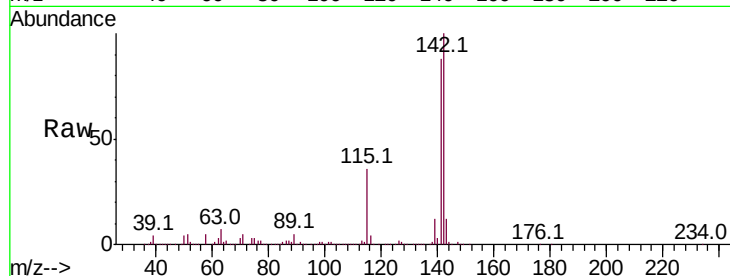
#37
2-Methylnaphthalene
Concen: 50.280 ng
RT: 8.89 min Scan# 1157
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampleId :
VB-1MSD

Tot Ion	Ratio	Lower	Upper
142	100		
141	88.3	70.6	105.8
115	35.6	27.0	40.6

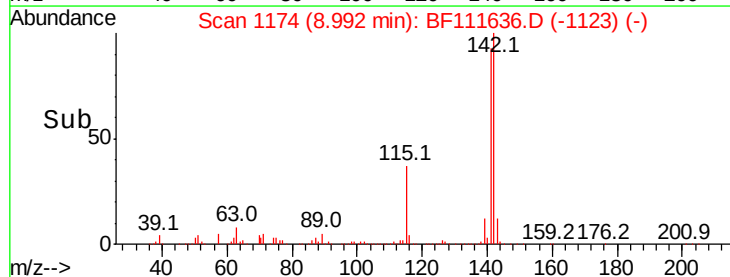
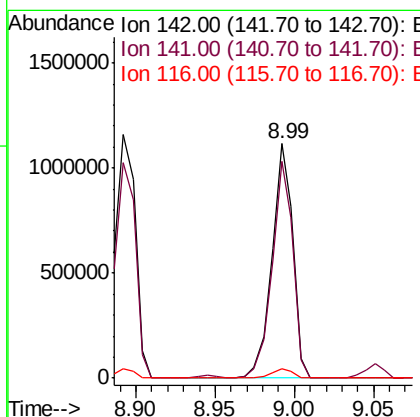
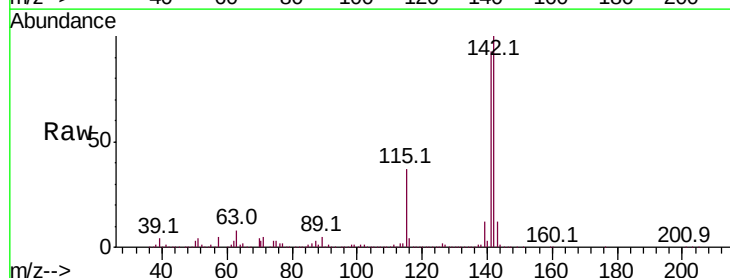
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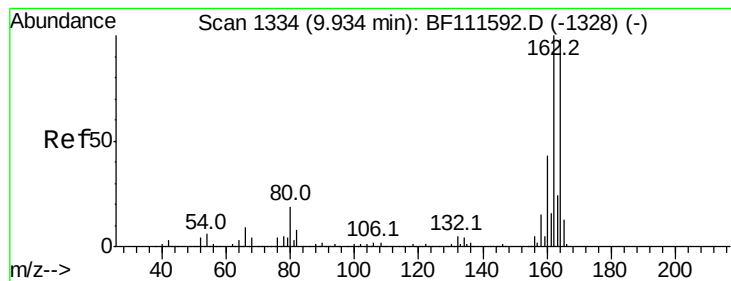
Sohil
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#38
1-Methylnaphthalene
Concen: 49.428 ng
RT: 8.99 min Scan# 1174
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.6	74.2	111.4
116	4.0	2.9	4.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

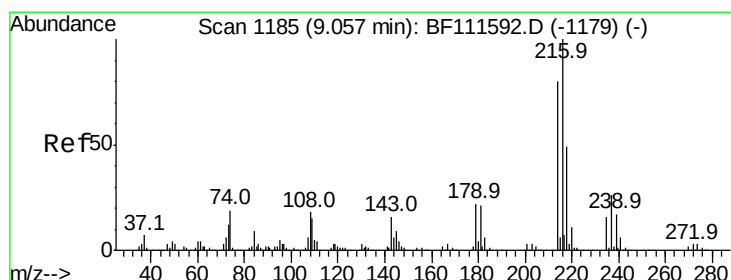
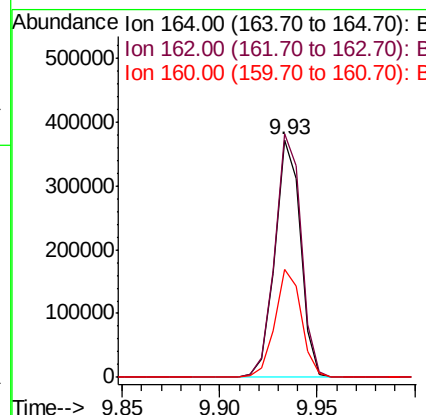
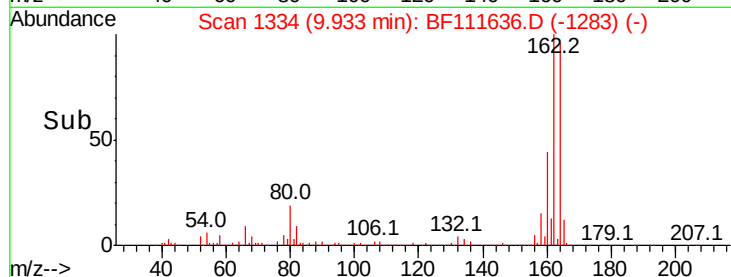
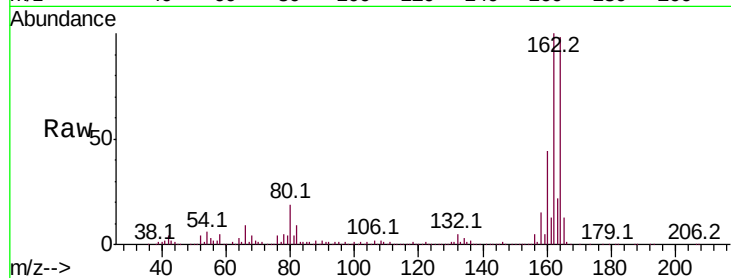
ClientSampleId :

VB-1MSD

Tot Ion:	164	Resp:	339849
Ion Ratio	Lower	Upper	
164	100		
162	102.5	81.4	122.0
160	45.4	35.7	53.5

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 45.522 ng

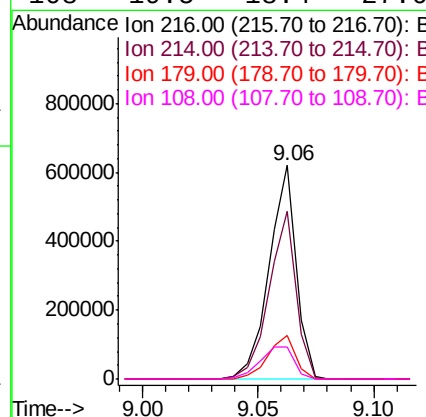
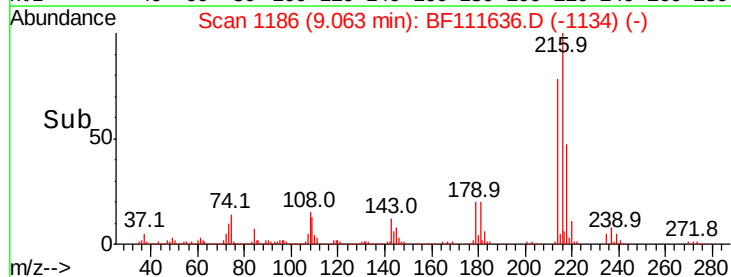
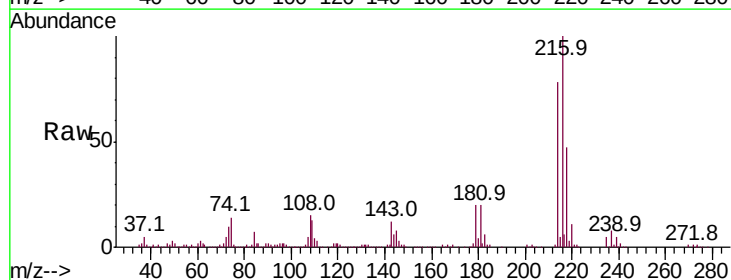
RT: 9.06 min Scan# 1186

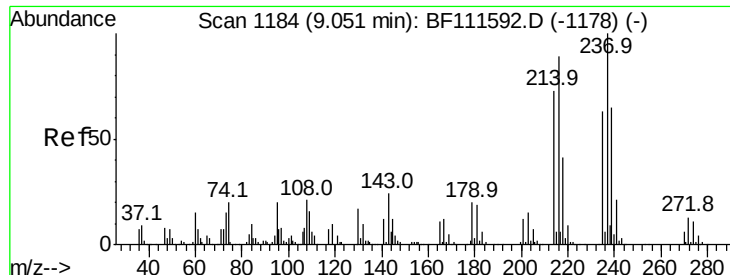
Delta R.T. 0.01 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Tgt Ion:	216	Resp:	508362
Ion Ratio	Lower	Upper	
216	100		
214	78.4	63.8	95.8
179	20.9	17.9	26.9
108	19.5	18.4	27.6





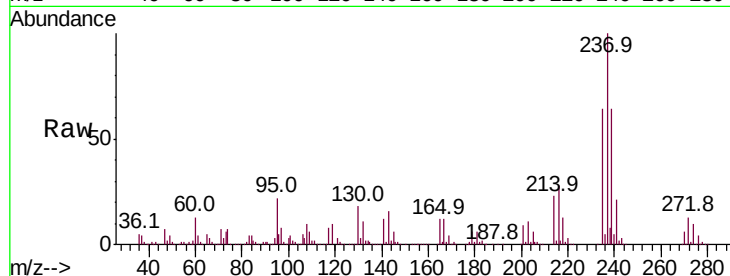
#41
Hexachlorocyclopentadiene
Concen: 88.948 ng
RT: 9.05 min Scan# 1184
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampleId :
VB-1MSD

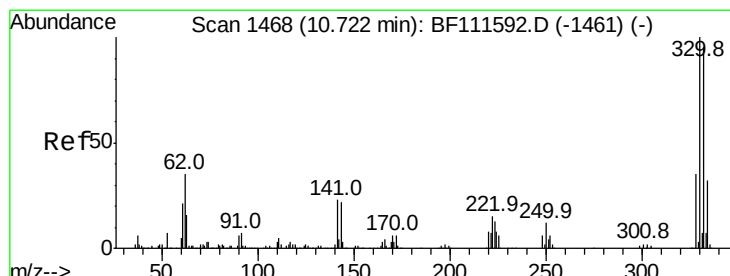
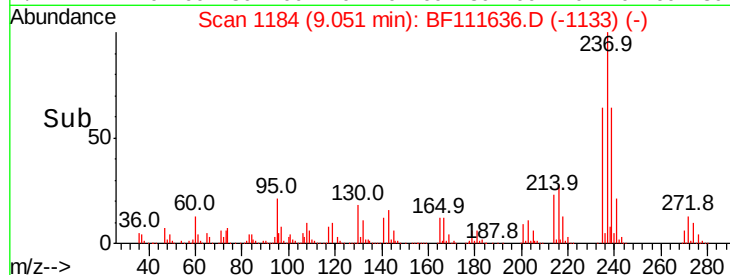
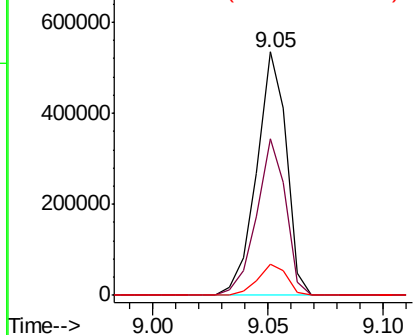
Tot Ion	Ratio	Resp	Lower	Upper
237	100	482024		
235	64.1	43.1	83.1	
272	12.6	0.0	33.0	

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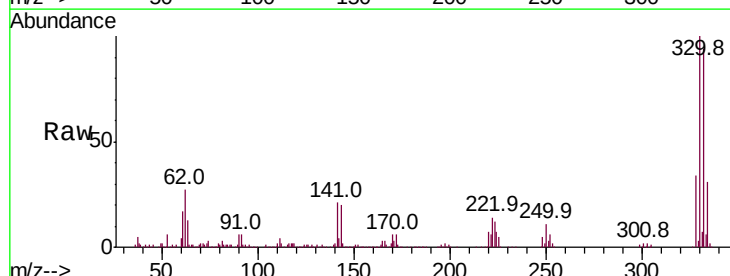


Abundance Ion 236.80 (236.50 to 237.50): E
Ion 234.90 (234.60 to 235.60): E
Ion 271.75 (271.45 to 272.45): E

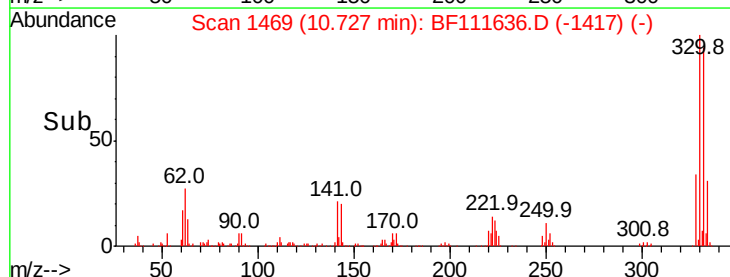
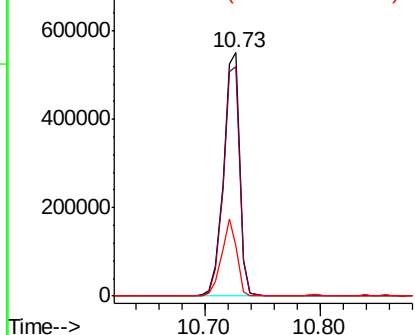


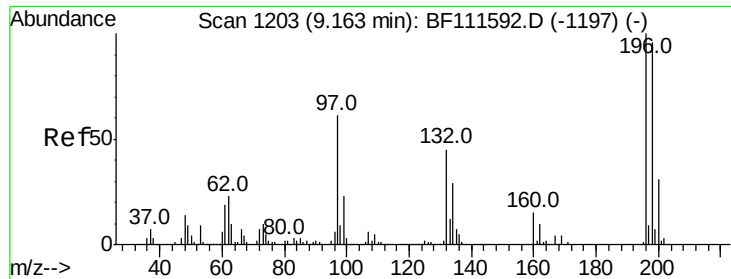
#42
2,4,6-Tribromophenol
Concen: 132.998 ng
RT: 10.73 min Scan# 1469
Delta R.T. 0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
330	100	534065		
332	95.5	76.0	114.0	
141	29.7	31.0	46.6#	



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: 47.649 ng

RT: 9.17 min Scan# 1204

Delta R.T. 0.01 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

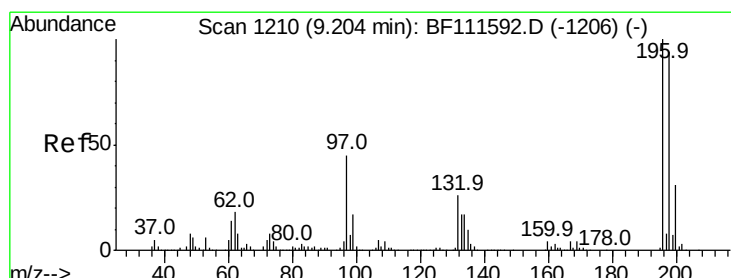
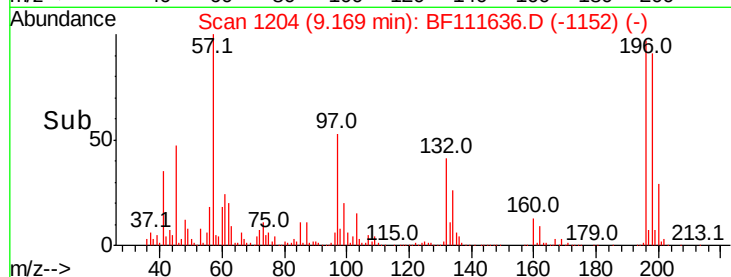
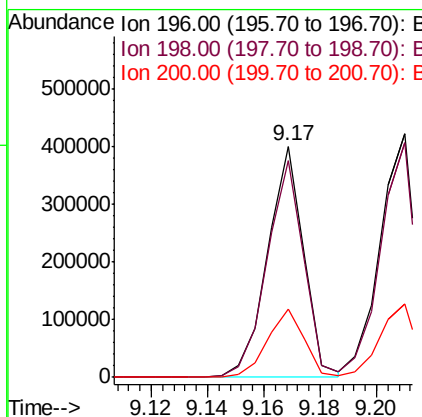
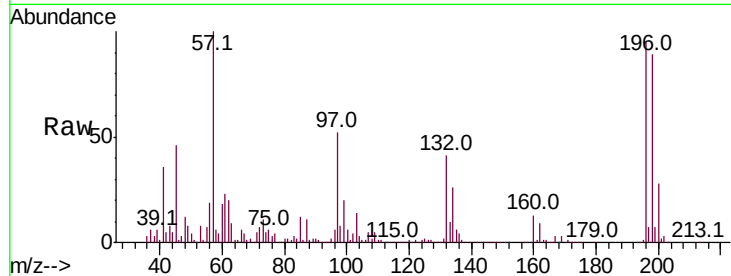
ClientSampled :

VB-1MSD

Tot Ion:	196	Resp:	355266
Ion Ratio	Lower	Upper	
196	100		
198	93.7	76.3	114.5
200	29.8	24.9	37.3

Manual Integrations
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#44

2,4,5-Trichlorophenol

Concen: 49.346 ng

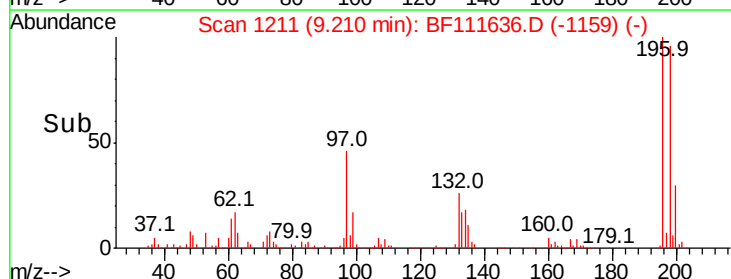
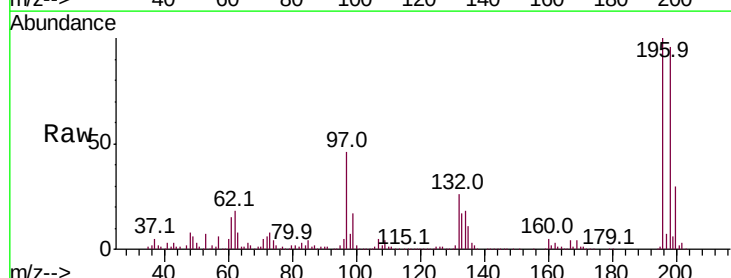
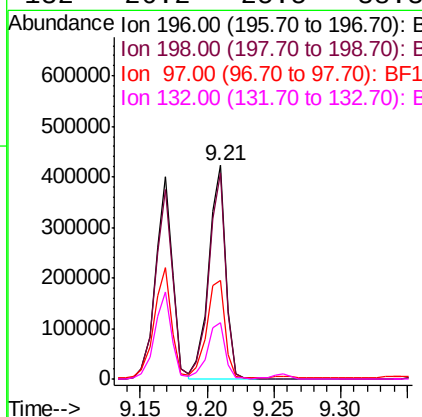
RT: 9.21 min Scan# 1211

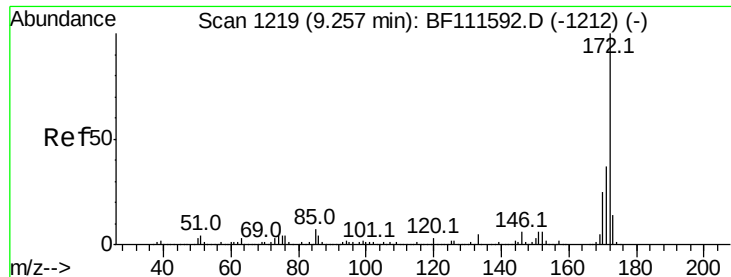
Delta R.T. 0.01 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Tgt Ion:	196	Resp:	377445
Ion Ratio	Lower	Upper	
196	100		
198	96.3	72.9	109.3
97	46.4	45.3	67.9
132	26.2	25.5	38.3





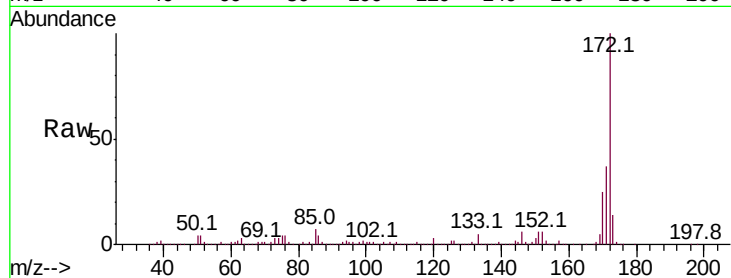
#45
2-Fluorobiphenyl
Concen: 87.309 ng
RT: 9.26 min Scan# 1219
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampleId :
VB-1MSD

Tot Ion	Ratio	Lower	Upper
172	100		
171	37.1	33.0	49.4
170	25.1	22.3	33.5

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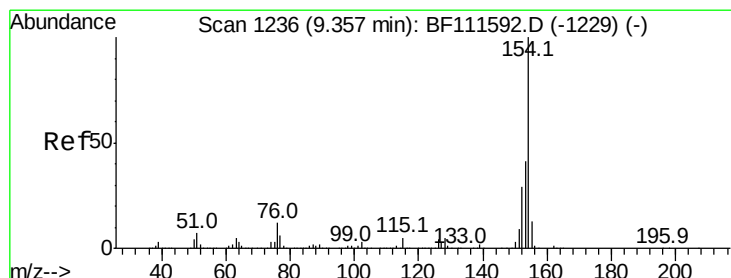
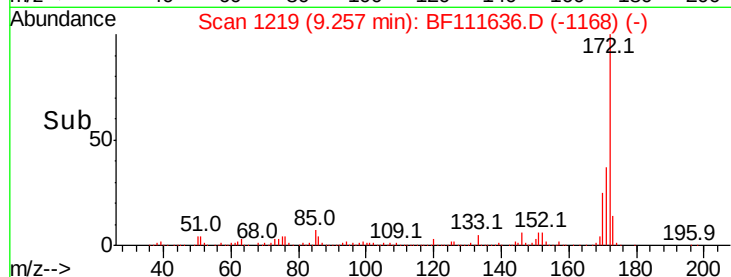
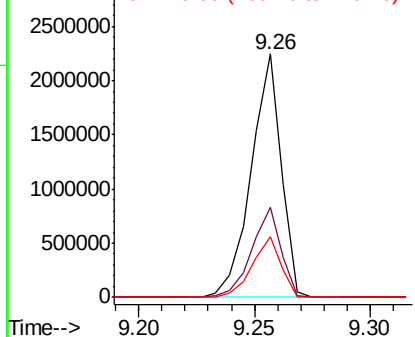


Abundance

Ion 172.00 (171.70 to 172.70): E

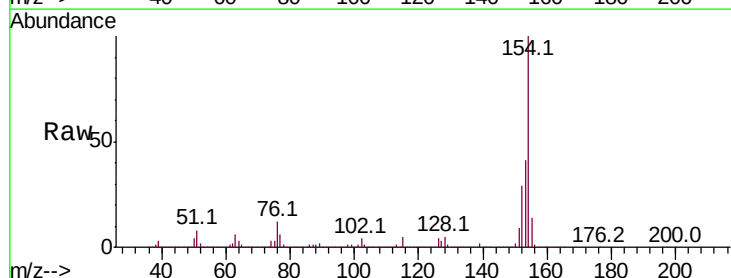
Ion 171.00 (170.70 to 171.70): E

Ion 170.00 (169.70 to 170.70): E



#46
1,1'-Biphenyl
Concen: 45.578 ng
RT: 9.36 min Scan# 1236
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
154	100		
153	41.0	23.7	63.7
76	12.4	0.0	35.0

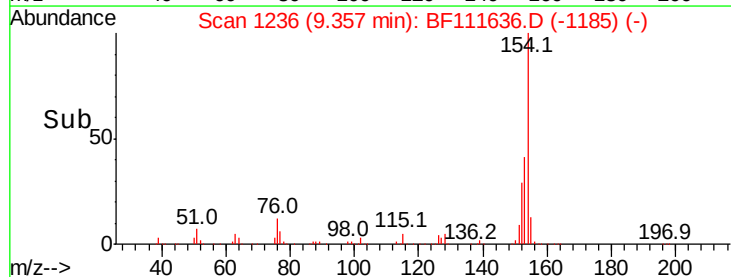
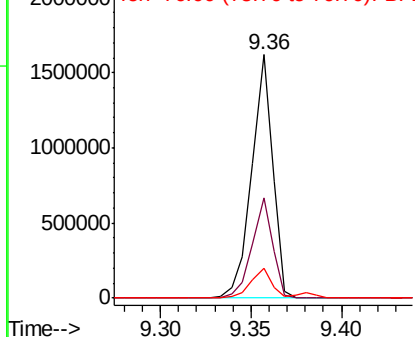


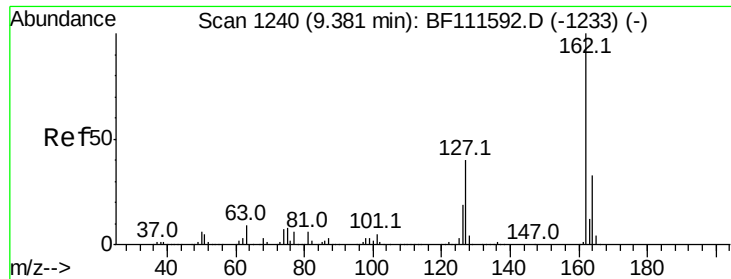
Abundance

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: 45.010 ng

RT: 9.38 min Scan# 1240

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

ClientSampleId :

VB-1MSD

Tot Ion:162 Resp: 1023046

Ion Ratio Lower Upper

162 100

127 41.0 35.0 52.4

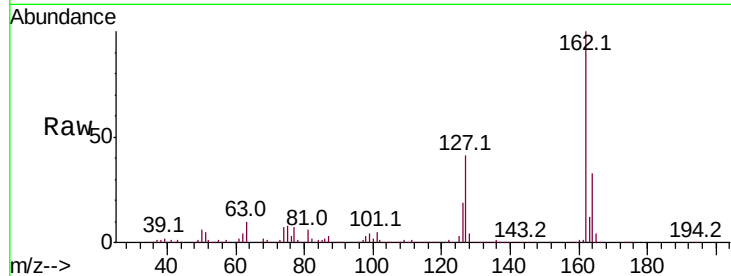
164 32.9 28.4 42.6

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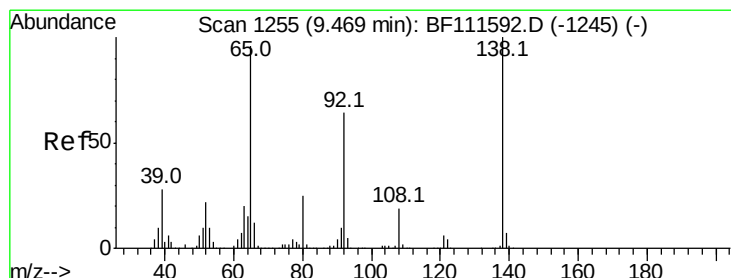
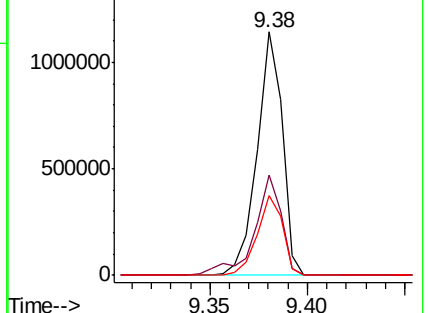
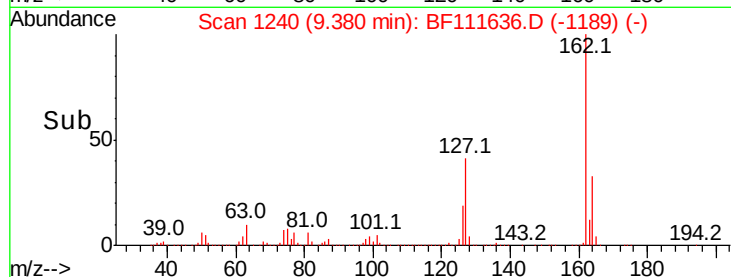
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Abundance Ion 162.00 (161.70 to 162.70): E

Ion 127.00 (126.70 to 127.70): E

Ion 164.00 (163.70 to 164.70): E



#48

2-Nitroaniline

Concen: 54.260 ng

RT: 9.47 min Scan# 1255

Delta R.T. 0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

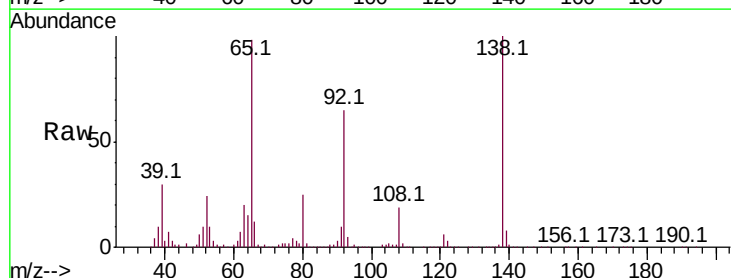
Tgt Ion: 65 Resp: 320847

Ion Ratio Lower Upper

65 100

92 66.0 53.5 80.3

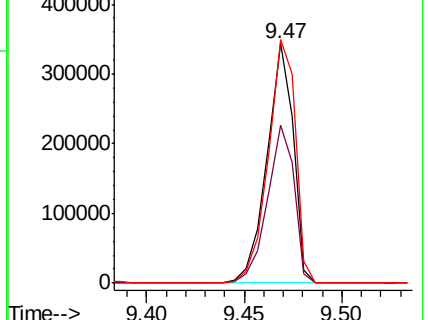
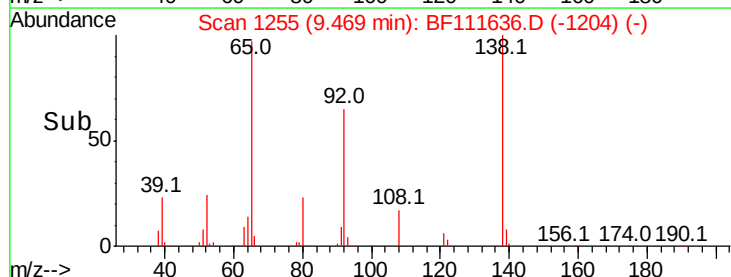
138 101.8 80.9 121.3

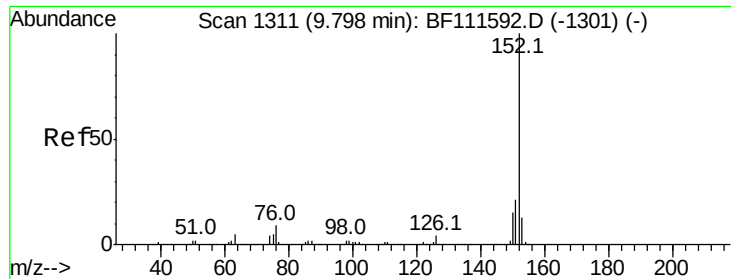


Abundance Ion 65.00 (64.70 to 65.70): BF1

Ion 92.00 (91.70 to 92.70): BF1

Ion 138.00 (137.70 to 138.70): E





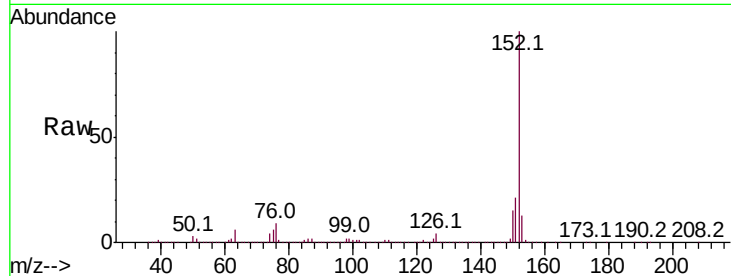
#49
Acenaphthylene
Concen: 48.689 ng
RT: 9.80 min Scan# 1311
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampleId :
VB-1MSD

Tot Ion	Ratio	Lower	Upper
152	100		
151	21.1	18.0	27.0
153	13.4	12.3	18.5

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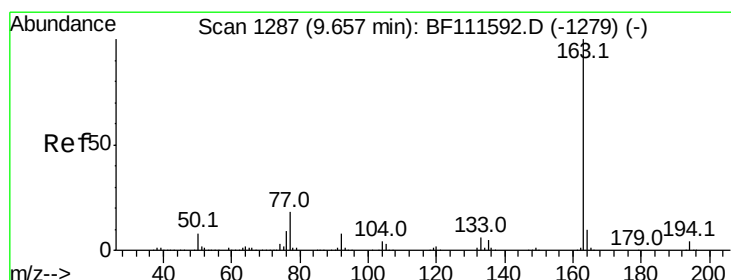
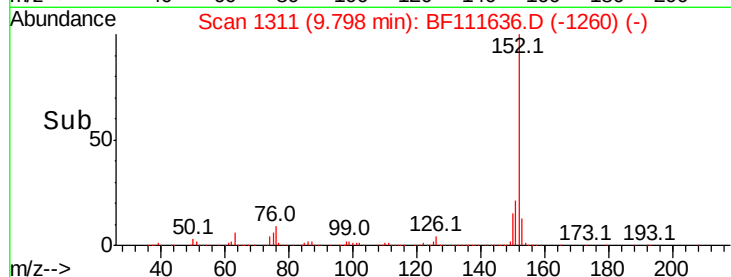
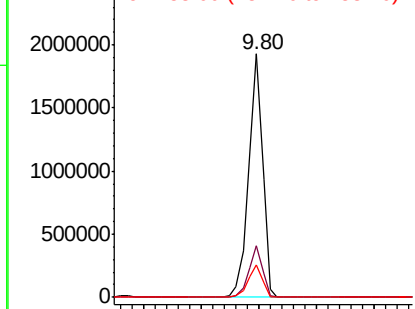


Abundance

Ion 152.00 (151.70 to 152.70): E

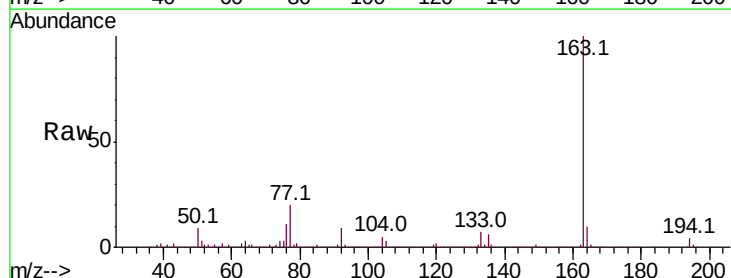
Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50
Dimethylphthalate
Concen: 55.542 ng
RT: 9.66 min Scan# 1287
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
163	100		
194	4.3	3.0	4.6
164	10.5	8.9	13.3

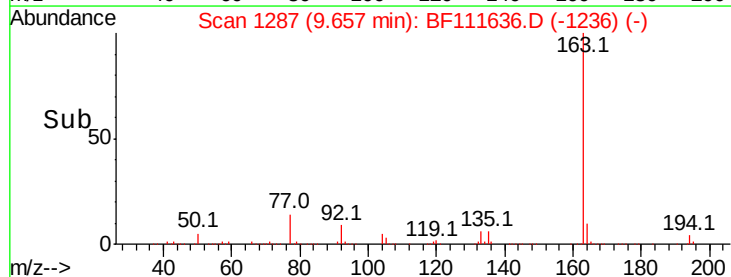
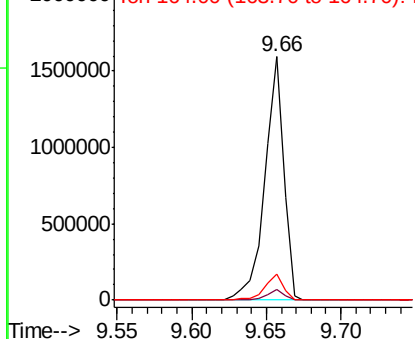


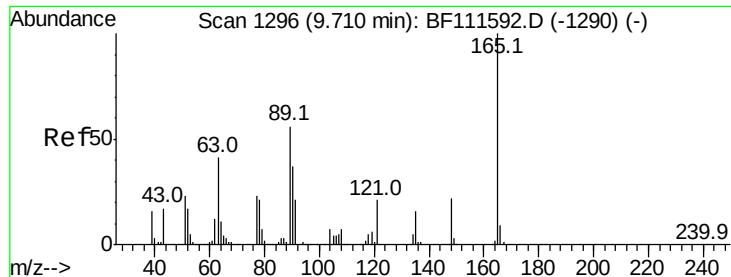
Abundance

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





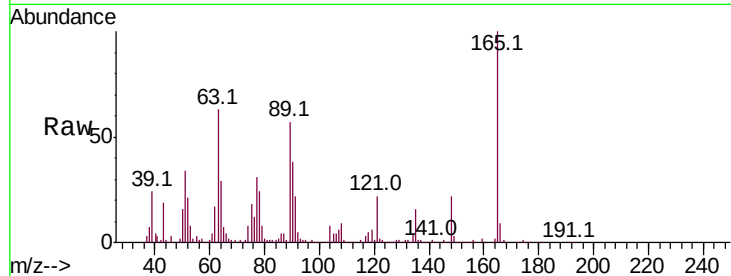
#51
2,6-Dinitrotoluene
Concen: 55.361 ng
RT: 9.71 min Scan# 1296
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampled :
VB-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100	274342		
63	63.5		40.5	60.7#
89	56.9		40.0	60.0

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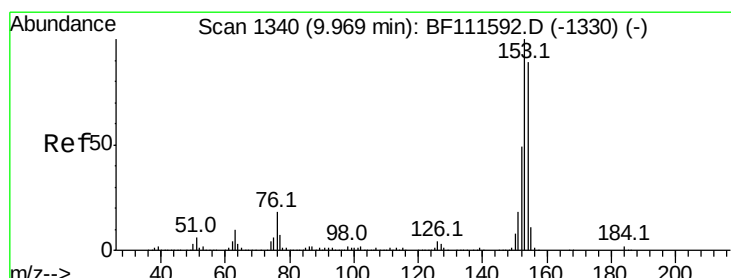
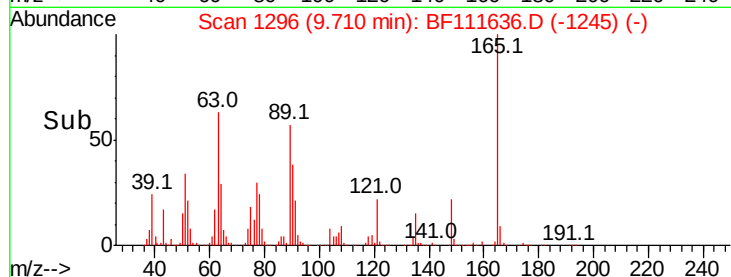
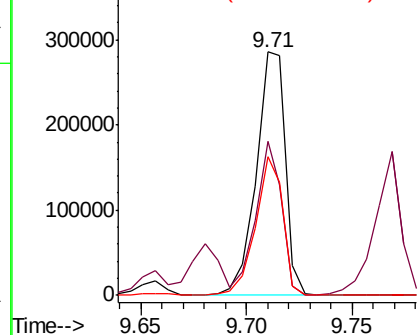


Abundance

Ion 165.00 (164.70 to 165.70): E

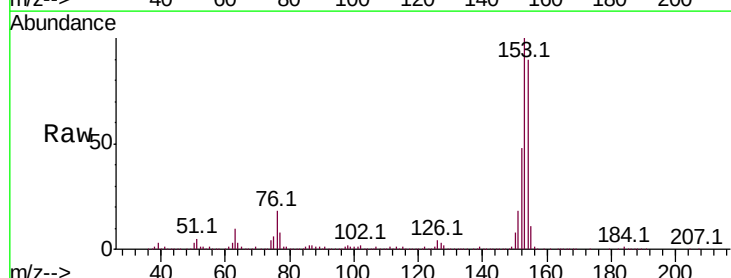
Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1



#52
Acenaphthene
Concen: 50.203 ng
RT: 9.97 min Scan# 1340
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
154	100	1027569		
153	111.1		87.8	131.8
152	52.9		43.4	65.2

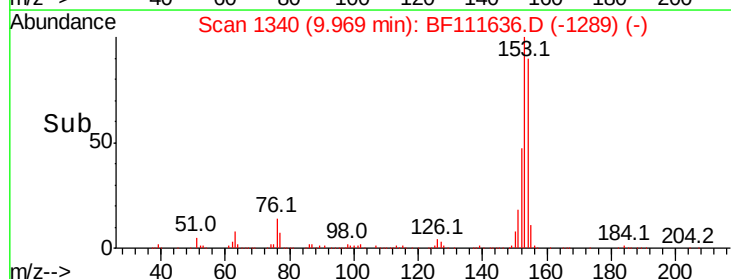
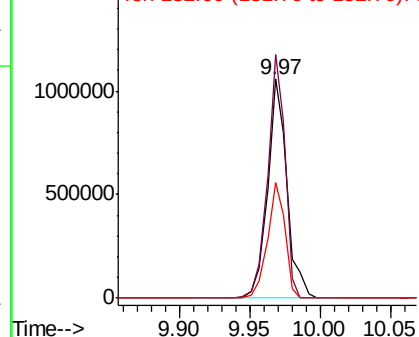


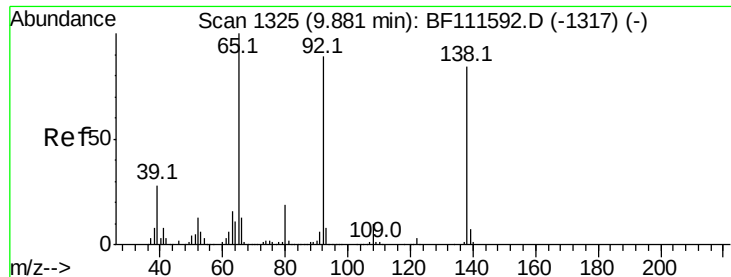
Abundance

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





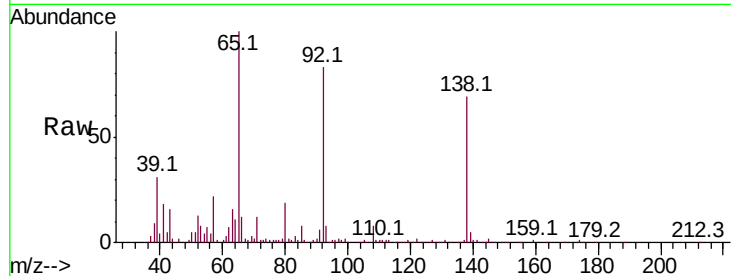
#53
3-Nitroaniline
Concen: 32.022 ng
RT: 9.87 min Scan# 1324
Delta R.T. -0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampleId :
VB-1MSD

Tot Ion	Ratio	Lower	Upper
138	100		
108	11.9	8.2	12.4
92	120.9	93.4	140.2

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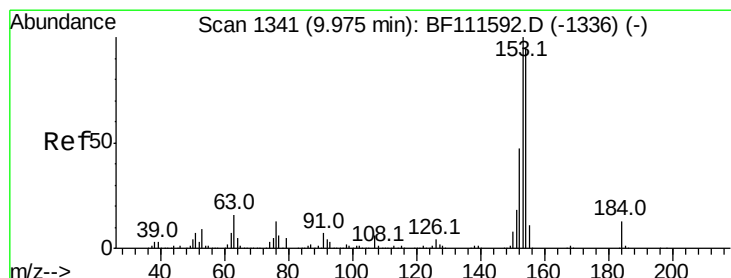
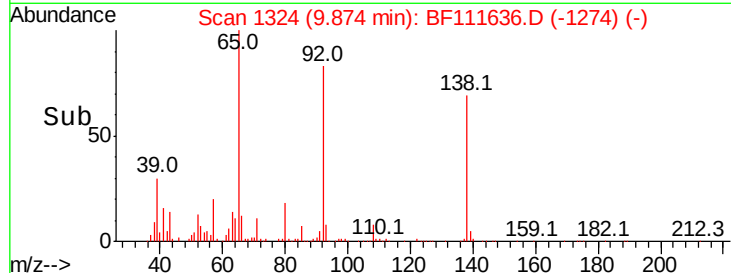
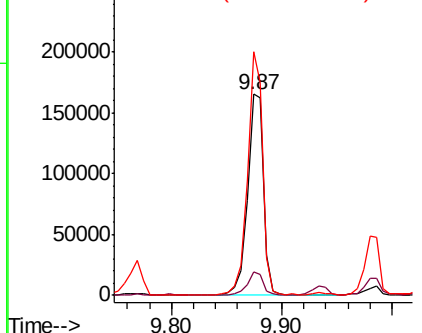


Abundance

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: 112.536 ng
RT: 9.99 min Scan# 1343
Delta R.T. 0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

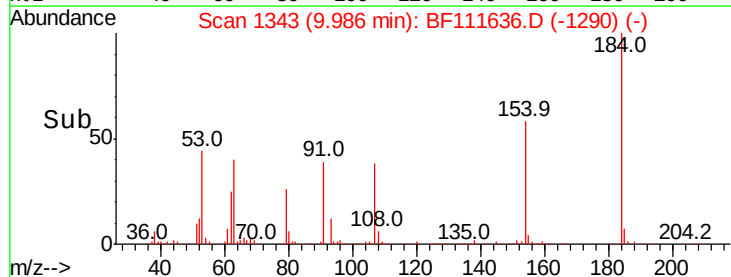
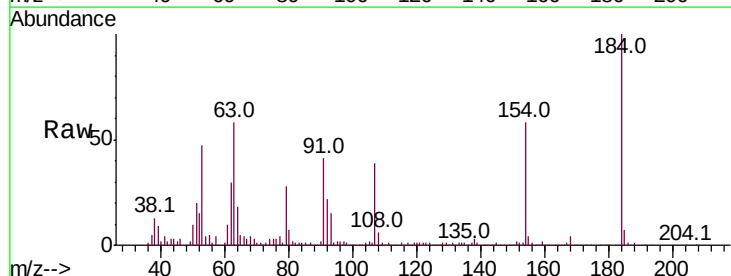
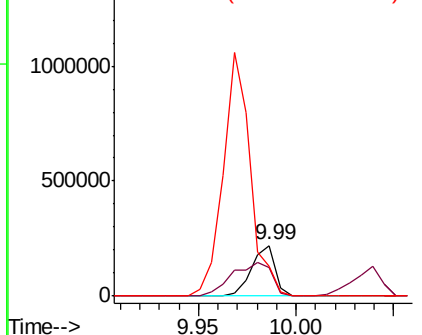
Tgt Ion	Ratio	Lower	Upper
184	100		
63	57.5	62.3	93.5#
154	58.5	56.2	84.2

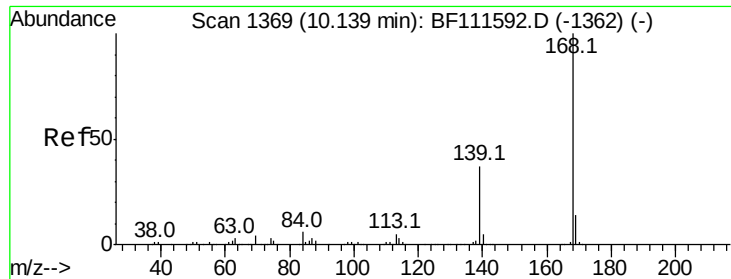
Abundance

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: 46.218 ng

RT: 10.14 min Scan# 1369

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

ClientSampleId :

VB-1MSD

Tot Ion:168 Resp: 1429193

Ion Ratio Lower Upper

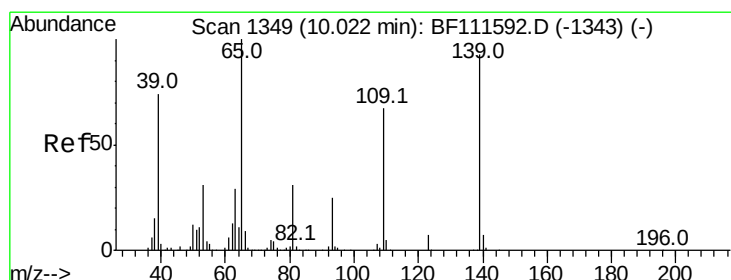
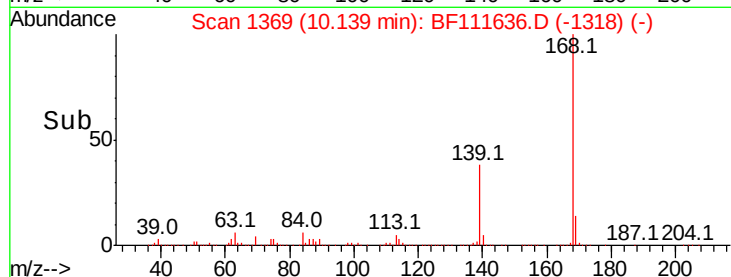
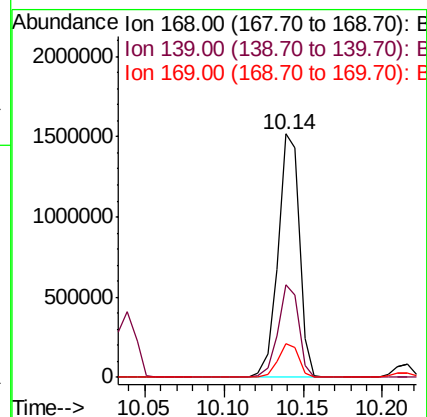
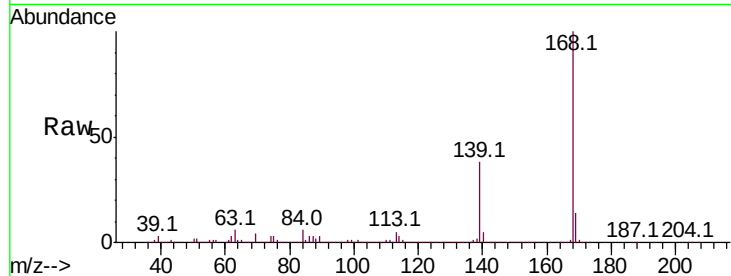
168 100

139 37.8 32.6 49.0

169 14.0 11.8 17.6

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#56

4-Nitrophenol

Concen: 104.520 ng

RT: 10.04 min Scan# 1352

Delta R.T. 0.02 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

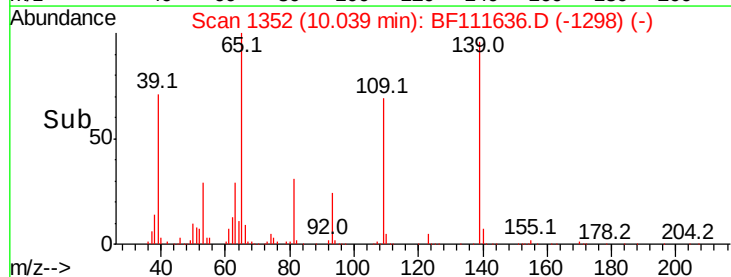
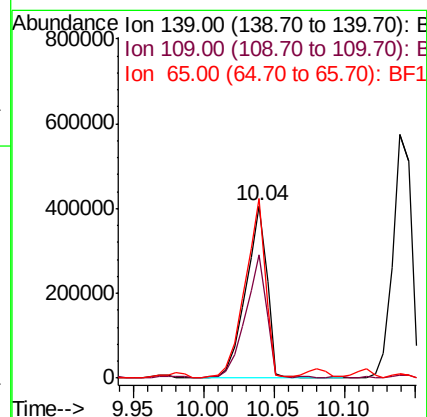
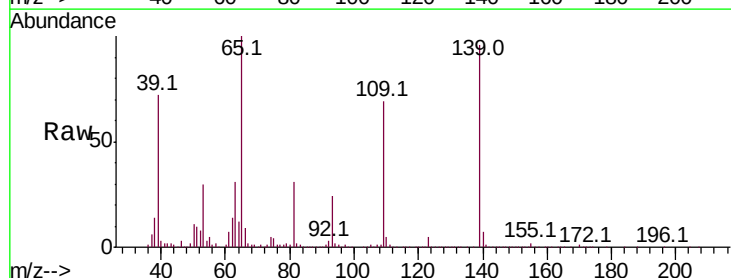
Tgt Ion:139 Resp: 421559

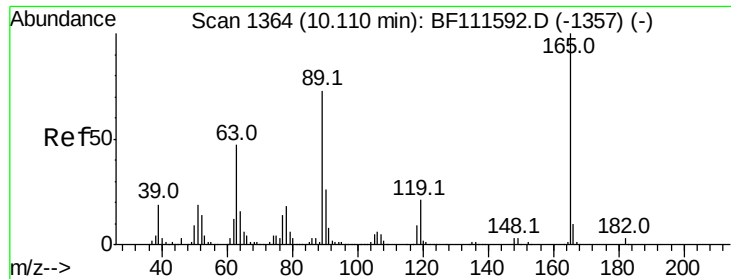
Ion Ratio Lower Upper

139 100

109 71.8 41.8 81.8

65 104.4 79.6 119.6





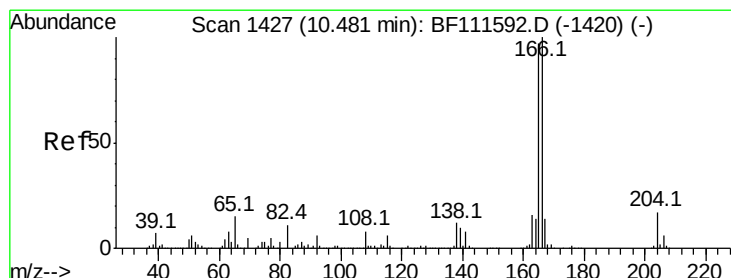
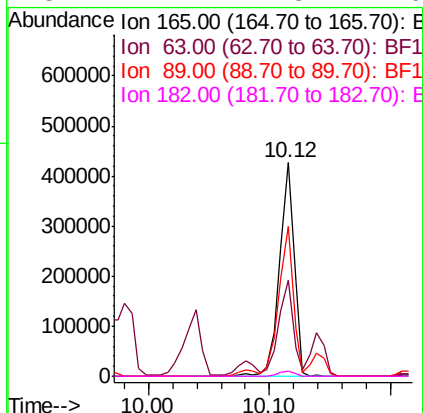
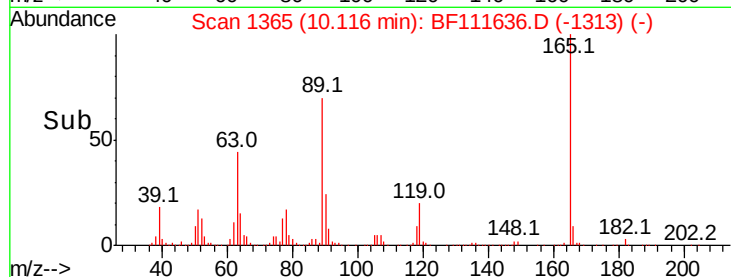
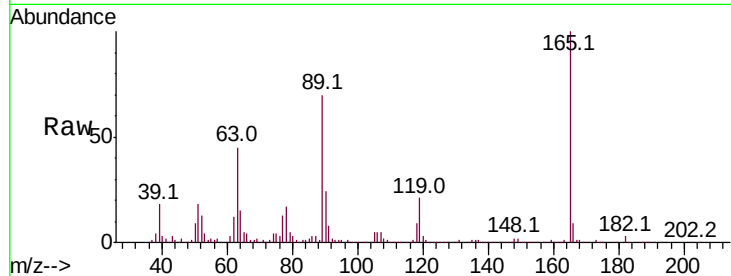
#57
2,4-Dinitrotoluene
Concen: 59.789 ng
RT: 10.12 min Scan# 1365
Delta R.T. 0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampleId :
VB-1MSD

Tot Ion	Ratio	Resp	Lower	Upper
165	100			
63	45.1	34.6	52.0	
89	70.1	56.2	84.4	
182	2.7	1.8	2.6	

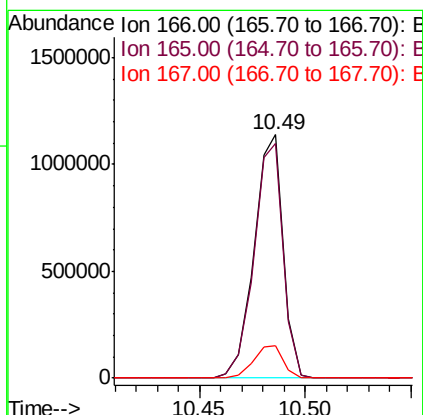
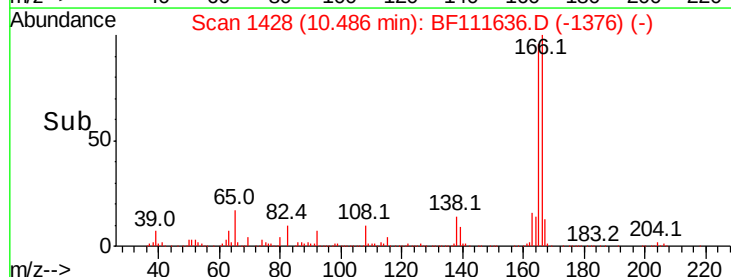
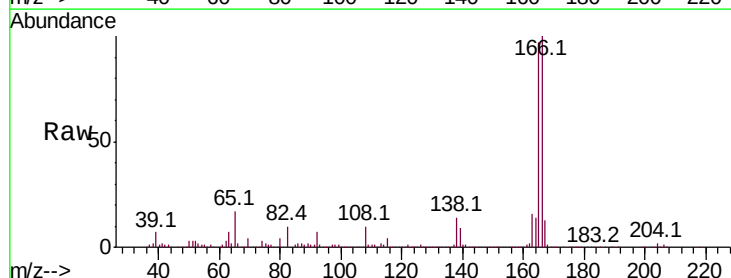
Manual Integrations
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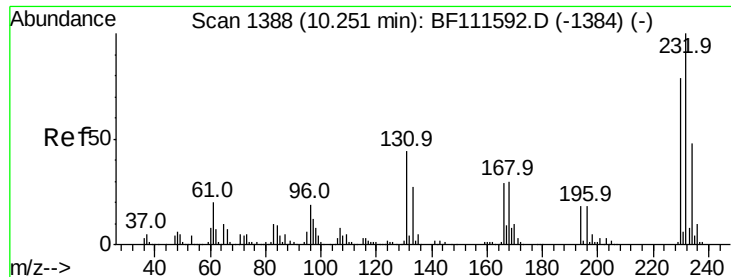
Sohil
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#58
Fluorene
Concen: 48.636 ng
RT: 10.49 min Scan# 1428
Delta R.T. 0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion	Ratio	Resp	Lower	Upper
166	100			
165	96.6	78.4	117.6	
167	13.2	11.2	16.8	





#59

2,3,4,6-Tetrachlorophenol

Concen: 50.482 ng

RT: 10.26 min Scan# 1389

Delta R.T. 0.01 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

ClientSampleId :

VB-1MSD

Tot Ion:232 Resp: 324957
Ion Ratio Lower Upper

232 100

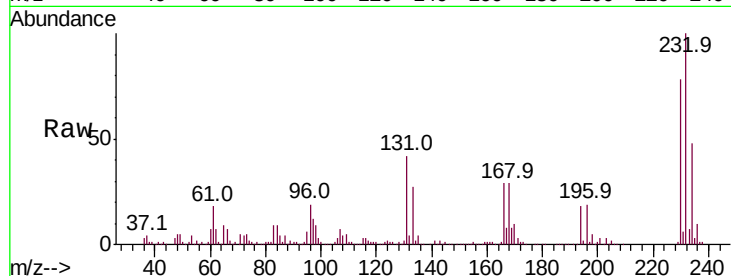
131 42.1 40.9 61.3

130 2.3 2.0 3.0

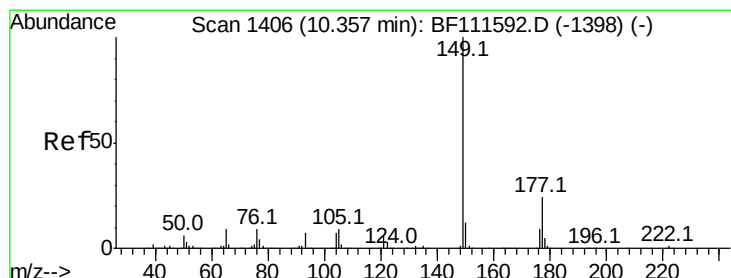
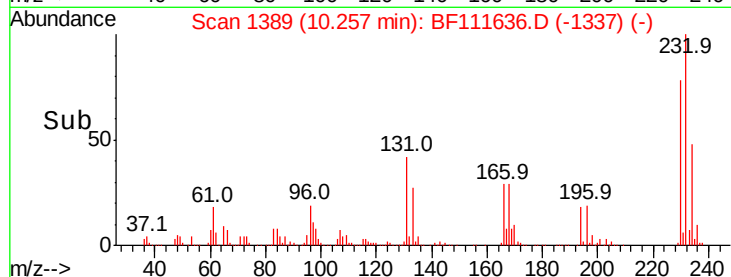
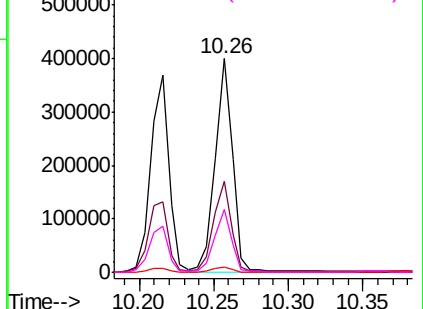
166 29.0 26.8 40.2

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12/21/2018 2:46:38 PM



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: 47.548 ng

RT: 10.36 min Scan# 1406

Delta R.T. -0.00 min

Lab File: BF111636.D

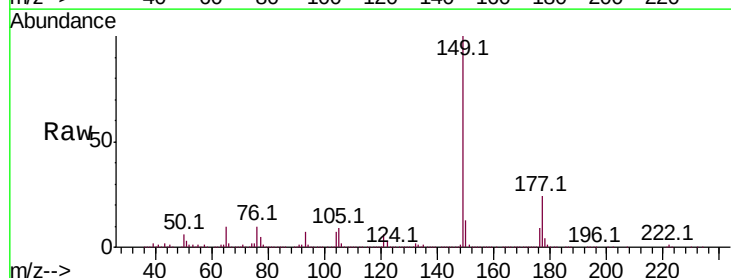
Acq: 20 Dec 2018 13:44

Tgt Ion:149 Resp: 1159136
Ion Ratio Lower Upper

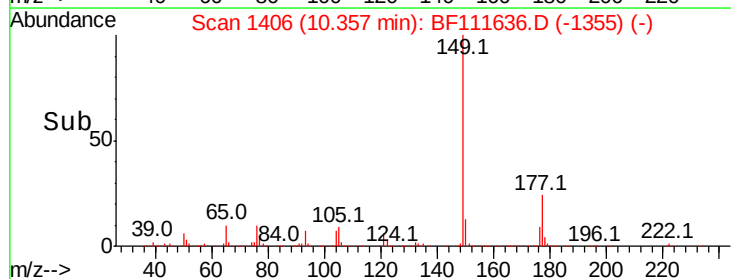
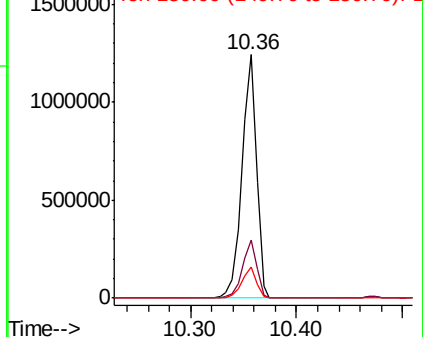
149 100

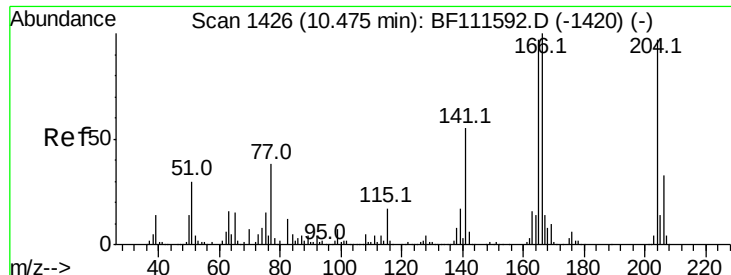
177 23.6 18.3 27.5

150 12.8 10.6 15.8



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





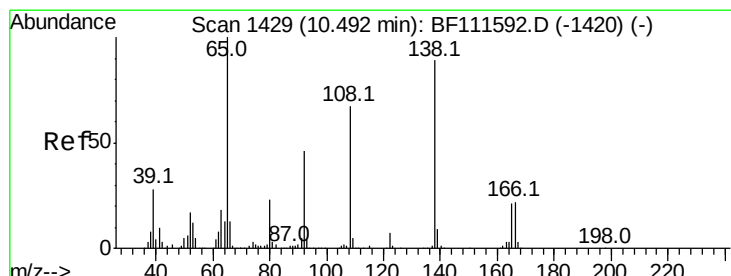
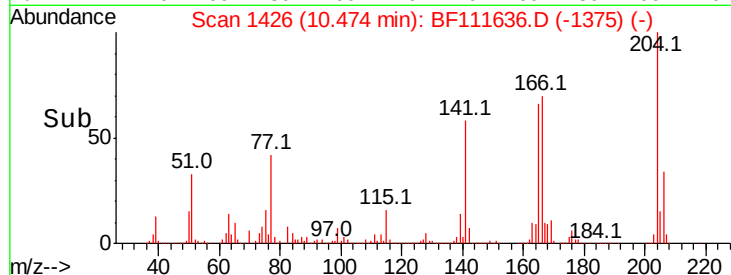
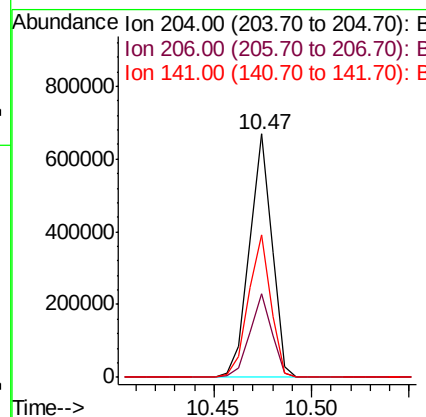
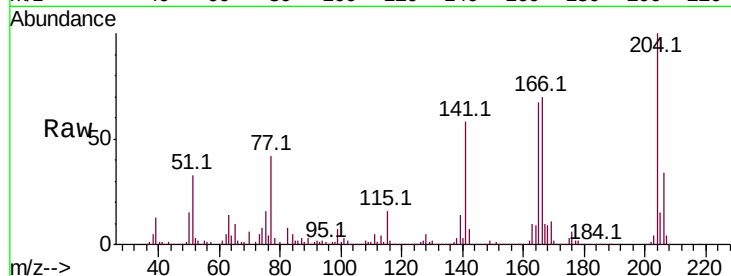
#61
 4-Chlorophenyl-phenylether
 Concen: 43.461 ng
 RT: 10.47 min Scan# 1426
 Delta R.T. -0.00 min
 Lab File: BF111636.D
 Acq: 20 Dec 2018 13:44

Instrument :
 BNA_F
 ClientSampleID :
 VB-1MSD

Tot Ion:	204	Resp:	535047
Ion Ratio	Lower	Upper	
204	100		
206	34.4	26.6	39.8
141	58.4	52.6	78.8

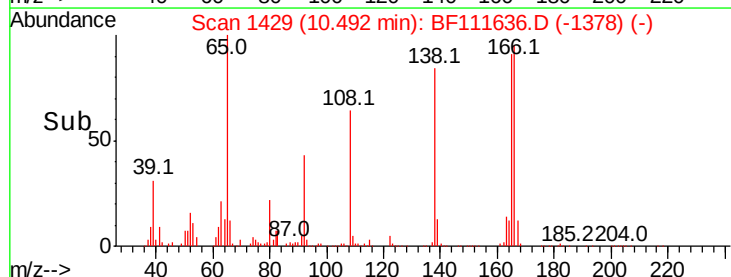
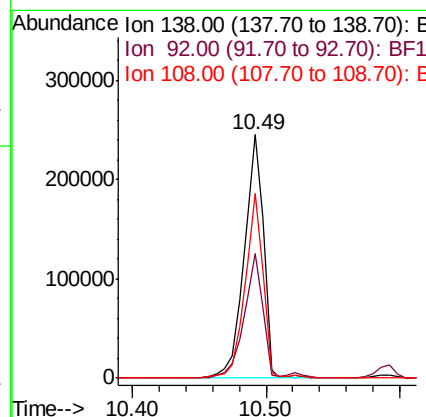
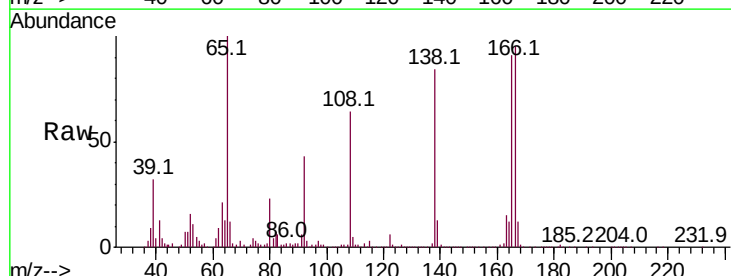
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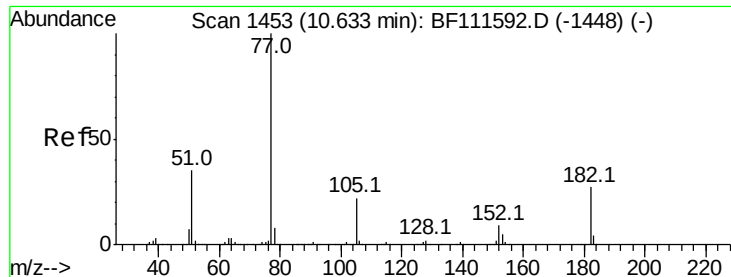
Sohil
 12/21/2018 2:46:38 PM



#62
 4-Nitroaniline
 Concen: 47.607 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. -0.00 min
 Lab File: BF111636.D
 Acq: 20 Dec 2018 13:44

Tgt Ion:	138	Resp:	244540
Ion Ratio	Lower	Upper	
138	100		
92	50.9	29.9	69.9
108	75.7	43.2	83.2





#63

Azobenzene

Concen: 44.323 ng

RT: 10.63 min Scan# 1453

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

ClientSampleId :

VB-1MSD

Tot Ion: 77 Resp: 1084758

Ion Ratio Lower Upper

77 100

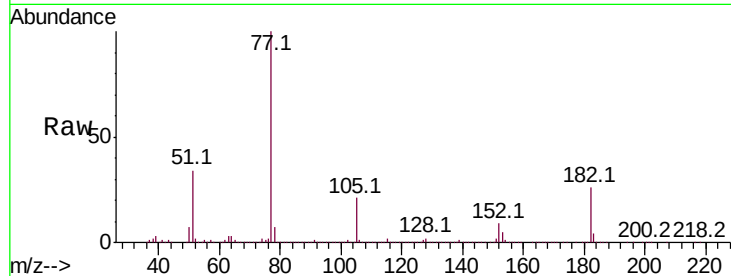
182 26.2 4.9 44.9

105 21.0 6.0 46.0

51 34.3 14.7 54.7

Manual Integrations
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Sohil
12/21/2018 2:46:38 PM

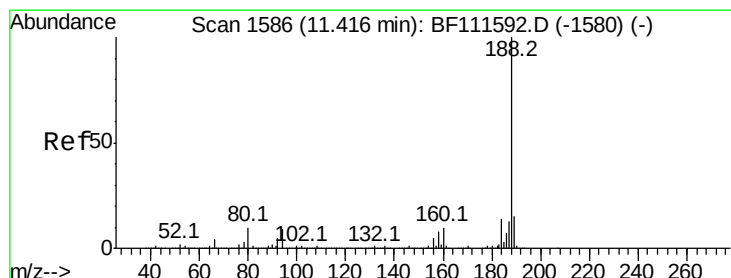
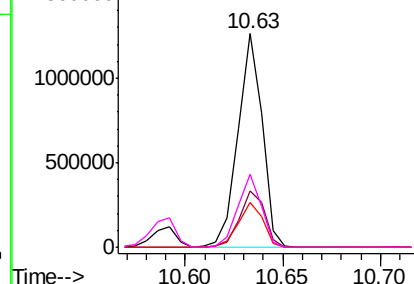
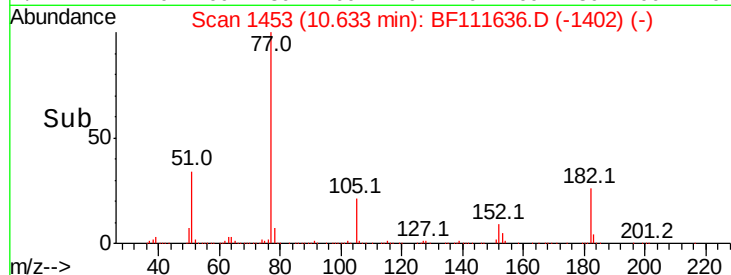


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

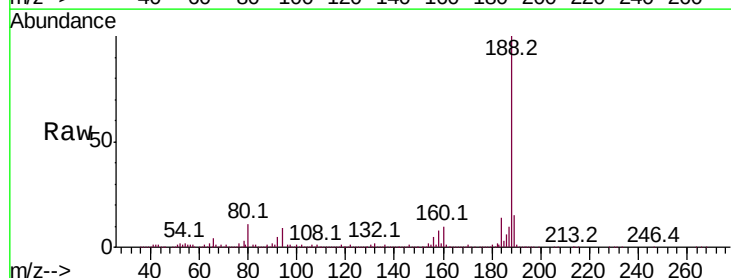
Tgt Ion: 188 Resp: 598337

Ion Ratio Lower Upper

188 100

94 9.0 9.6 14.4#

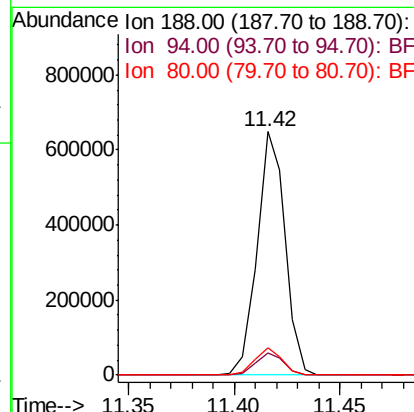
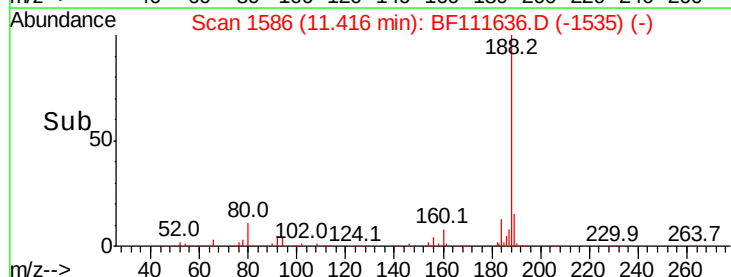
80 11.4 9.8 14.6

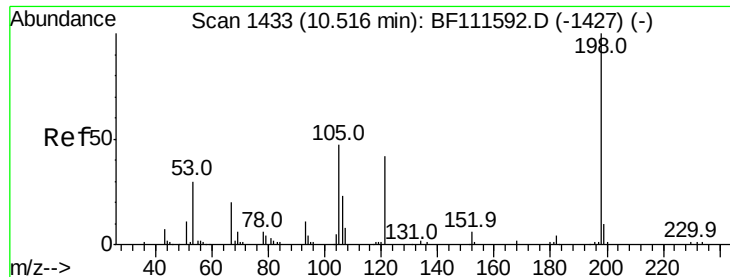


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1





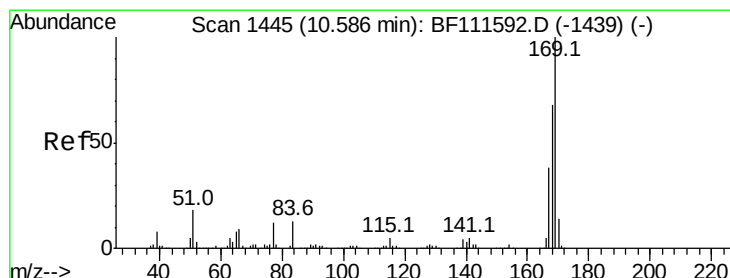
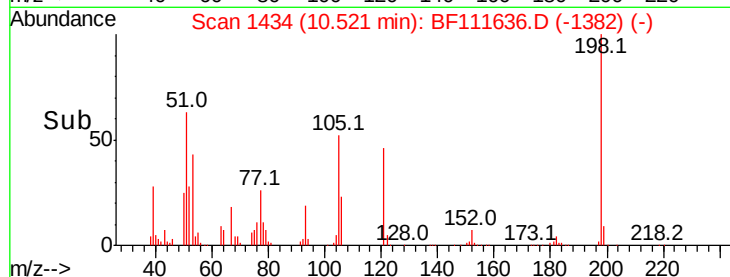
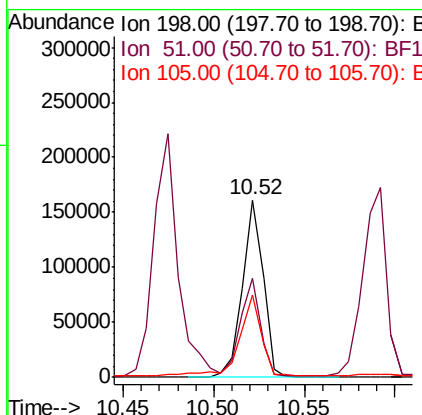
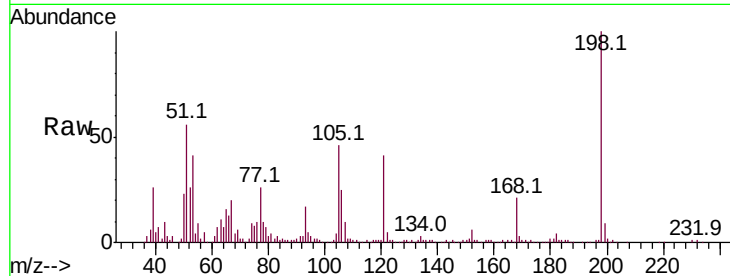
#65
4,6-Dinitro-2-methylphenol
Concen: 51.440 ng
RT: 10.52 min Scan# 1434
Delta R.T. 0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampled :
VB-1MSD

Tot Ion	Ratio	Lower	Upper
198	100		
51	56.1	48.0	88.0
105	46.5	34.0	74.0

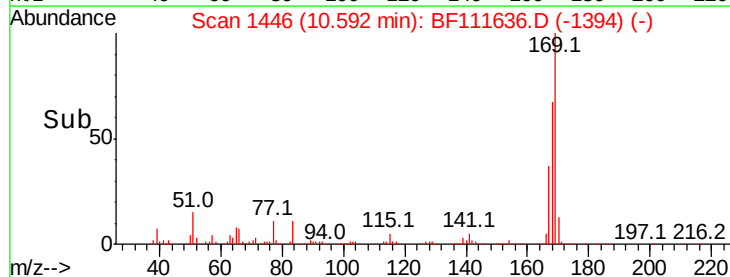
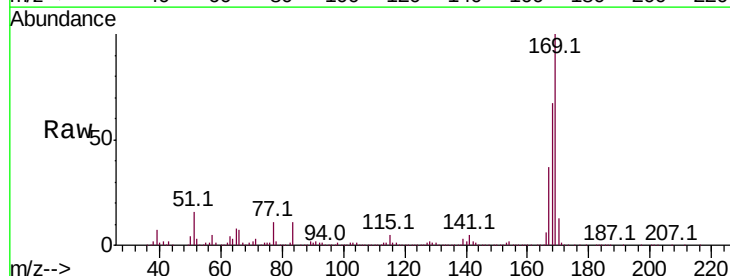
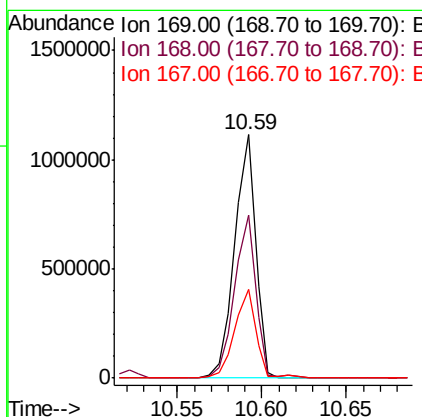
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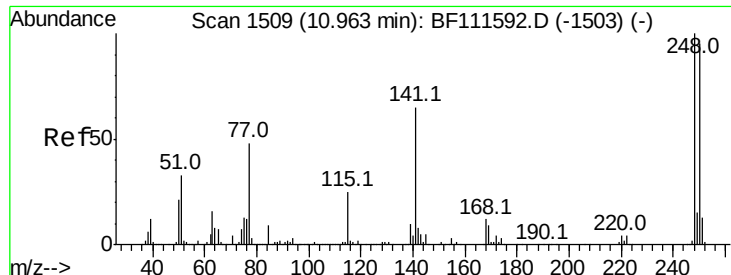
Sohil
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#66
n-Nitrosodiphenylamine
Concen: 48.281 ng
RT: 10.59 min Scan# 1446
Delta R.T. 0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
169	100		
168	66.7	54.4	81.6
167	36.6	30.5	45.7





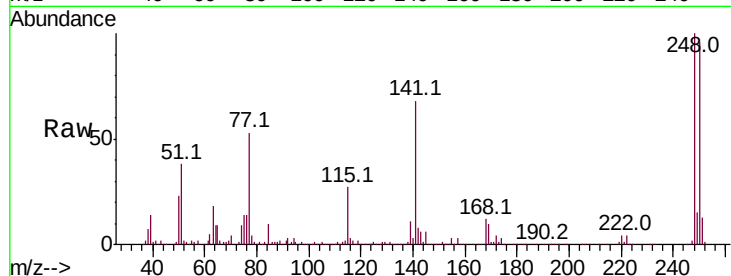
#67
 4-Bromophenyl-phenylether
 Concen: 46.670 ng
 RT: 10.96 min Scan# 1509
 Delta R.T. -0.00 min
 Lab File: BF111636.D
 Acq: 20 Dec 2018 13:44

Instrument :
 BNA_F
 ClientSampleId :
 VB-1MSD

Tot Ion	Ratio	Lower	Upper
248	100		
250	95.5	77.0	115.4
141	67.6	63.0	94.6

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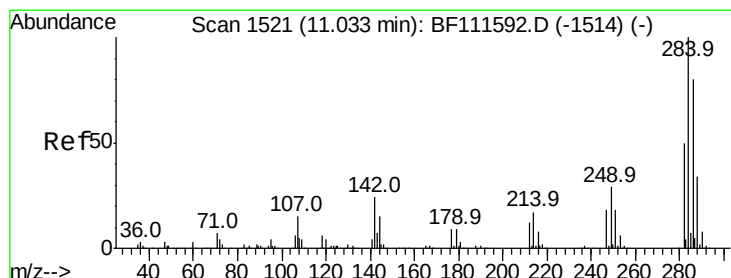
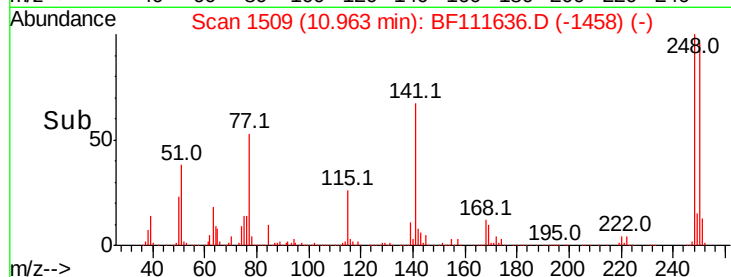
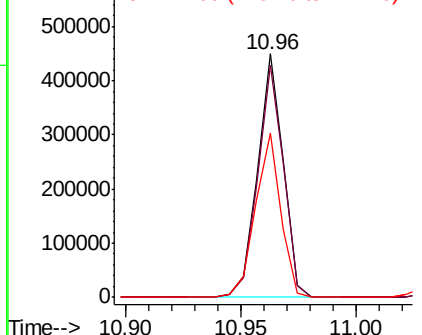


Abundance

Ion 248.00 (247.70 to 248.70): E

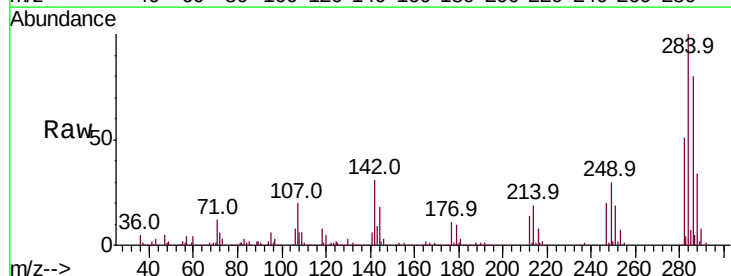
Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E



#68
 Hexachlorobenzene
 Concen: 45.590 ng
 RT: 11.03 min Scan# 1521
 Delta R.T. -0.00 min
 Lab File: BF111636.D
 Acq: 20 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
284	100		
142	30.6	27.4	41.2
249	30.1	24.4	36.6

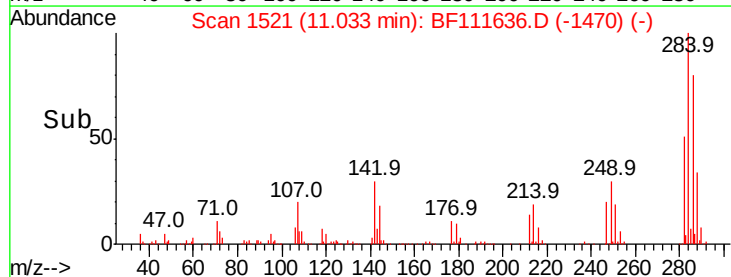
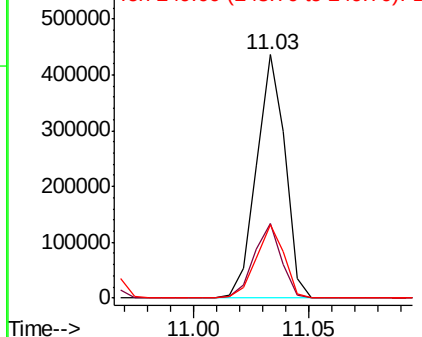


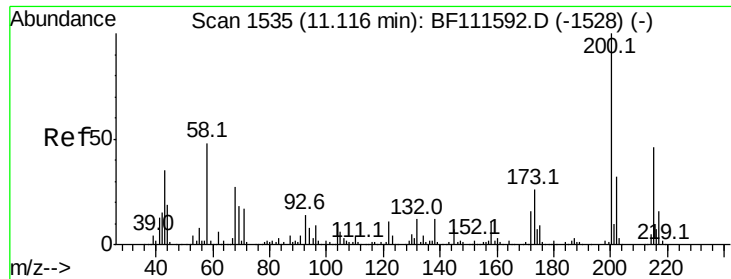
Abundance

Ion 283.80 (283.50 to 284.50): E

Ion 142.00 (141.70 to 142.70): E

Ion 249.00 (248.70 to 249.70): E





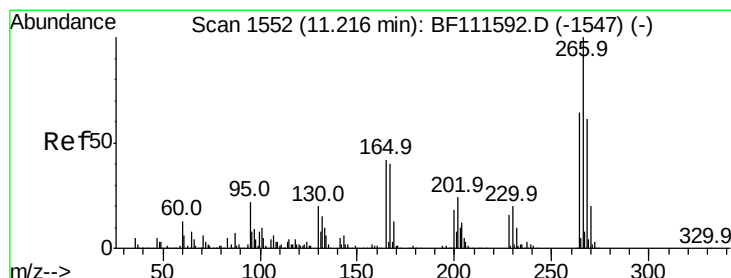
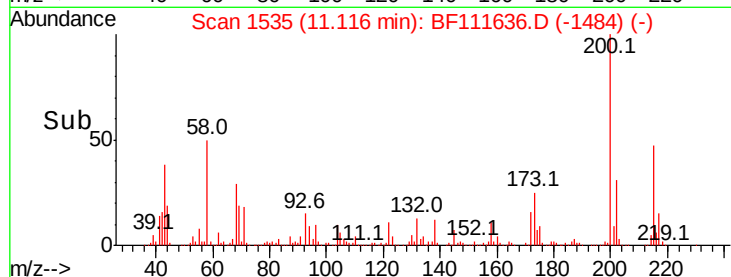
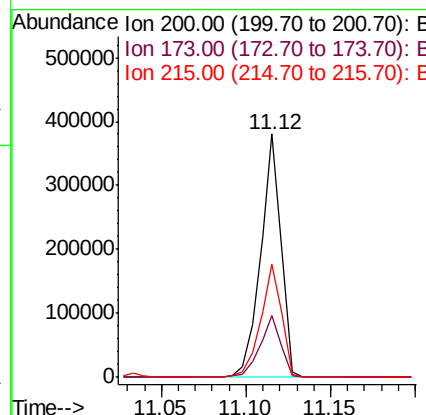
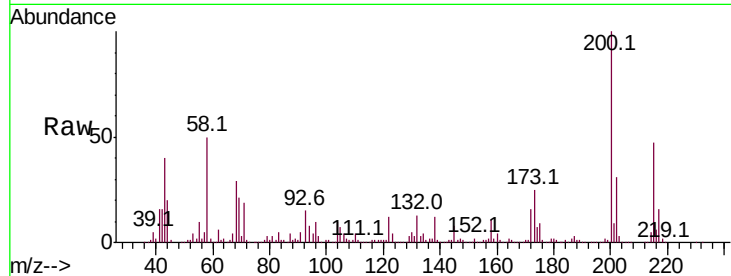
#69
Atrazine
Concen: 46.039 ng
RT: 11.12 min Scan# 1535
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampled :
VB-1MSD

Tot Ion	Ratio	Lower	Upper
200	100		
173	25.3	10.1	50.1
215	46.7	26.9	66.9

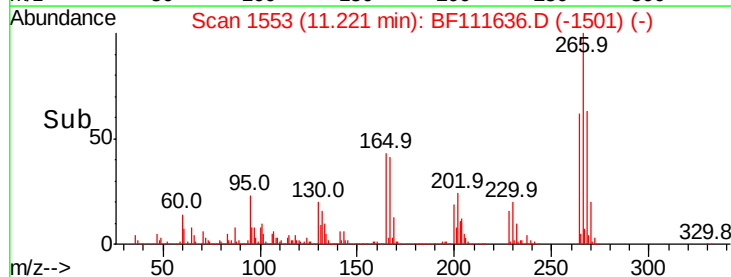
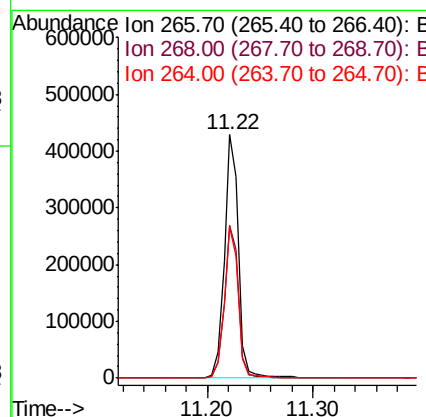
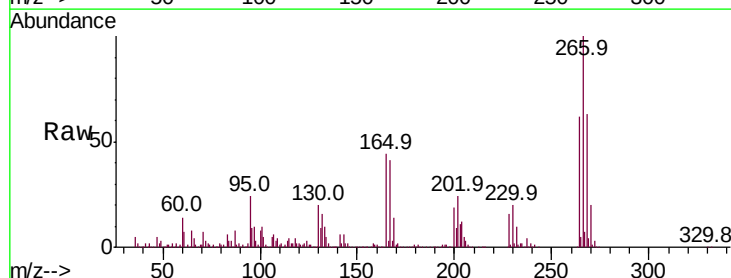
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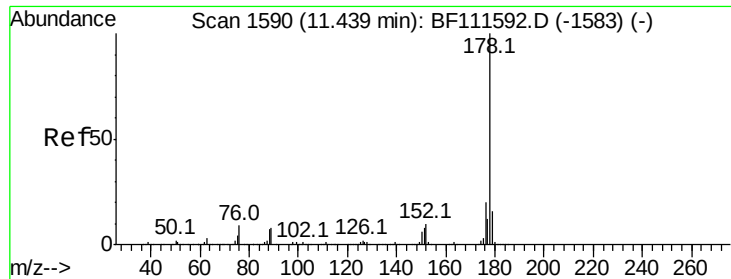
Sohil
12/21/2018 2:46:38 PM



#70
Pentachlorophenol
Concen: 78.986 ng
RT: 11.22 min Scan# 1553
Delta R.T. 0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
266	100		
268	62.7	47.9	71.9
264	62.5	49.1	73.7





#71

Phenanthrene

Concen: 47.825 ng

RT: 11.44 min Scan# 1591

Delta R.T. 0.01 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

ClientSampleId :

VB-1MSD

Tot Ion:178 Resp: 1517574

Ion Ratio Lower Upper

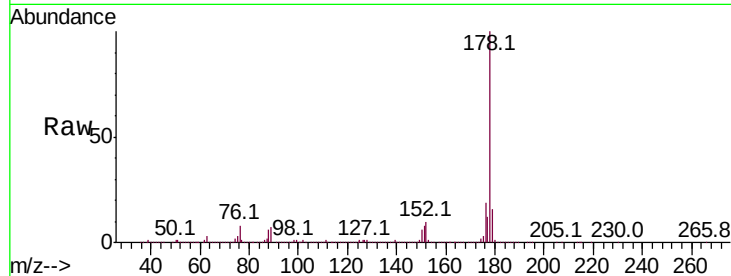
178 100

176 19.4 18.1 27.1

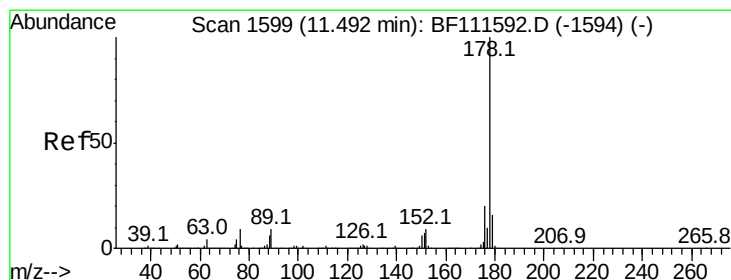
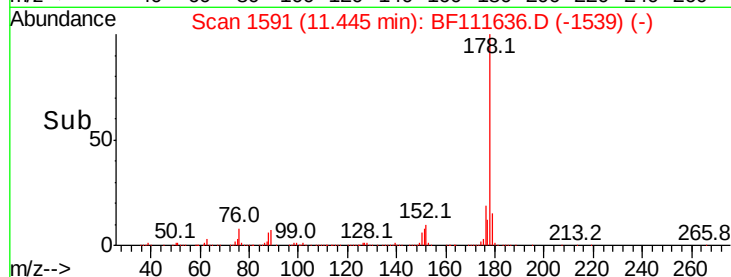
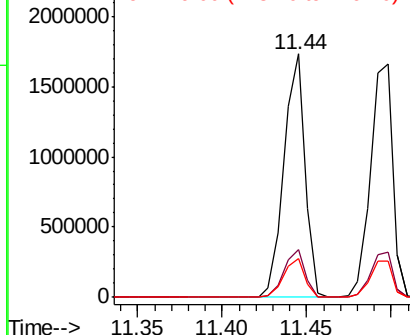
179 15.8 14.0 21.0

Manual Integrations
APPROVED

Sohil
12/21/2018 2:46:38 PM



Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 48.007 ng

RT: 11.50 min Scan# 1600

Delta R.T. 0.01 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Tgt Ion:178 Resp: 1529070

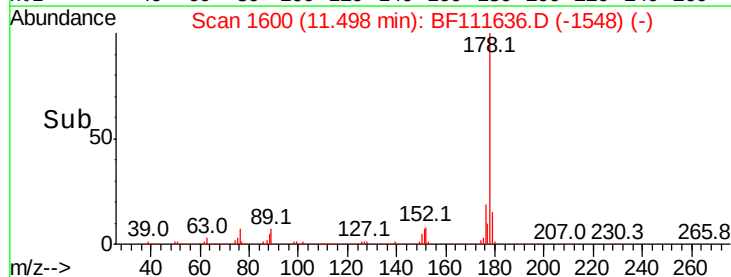
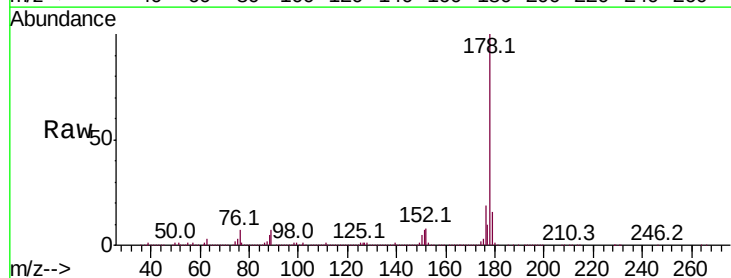
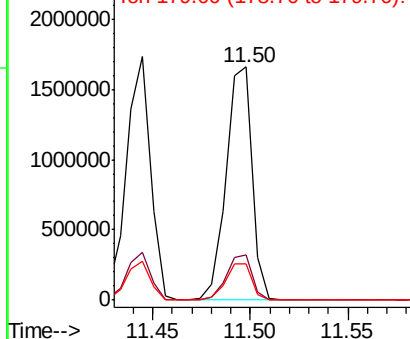
Ion Ratio Lower Upper

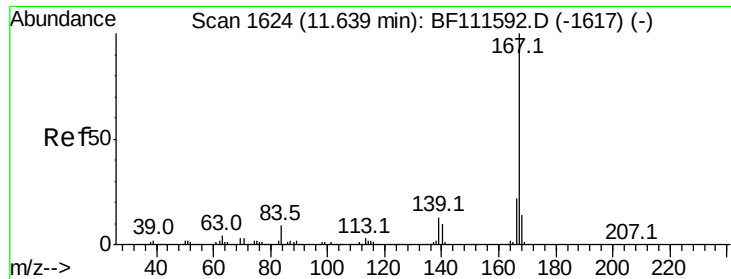
178 100

176 19.2 17.2 25.8

179 15.5 13.8 20.8

Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E





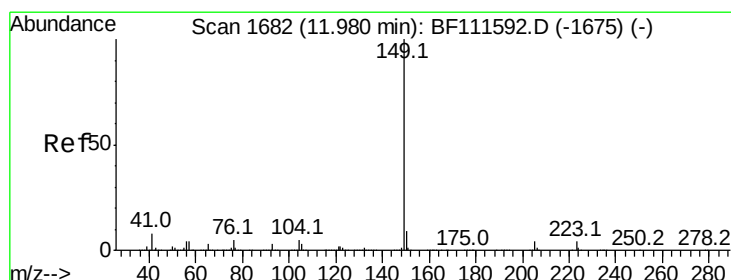
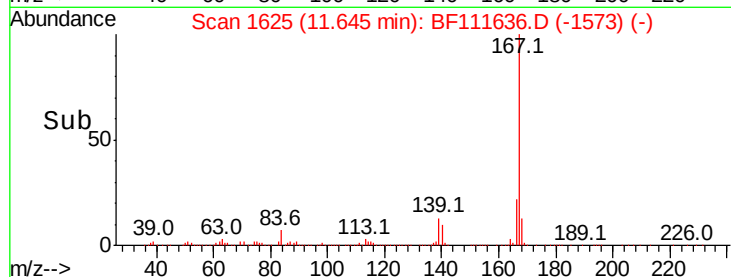
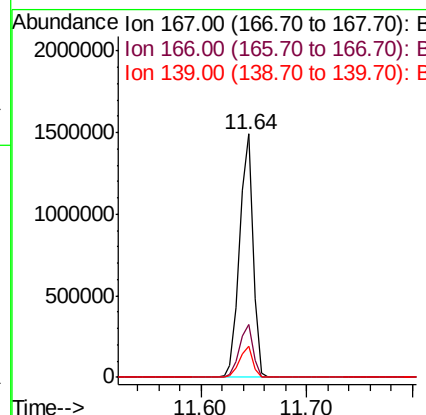
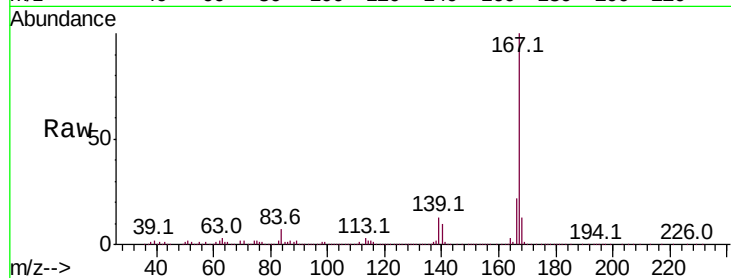
#73
 Carbazole
 Concen: 41.918 ng
 RT: 11.64 min Scan# 1625
 Delta R.T. 0.01 min
 Lab File: BF111636.D
 Acq: 20 Dec 2018 13:44

Instrument :
 BNA_F
 ClientSampleId :
 VB-1MSD

Tot Ion	Ratio	Lower	Upper
167	100		
166	21.6	19.3	28.9
139	12.6	11.9	17.9

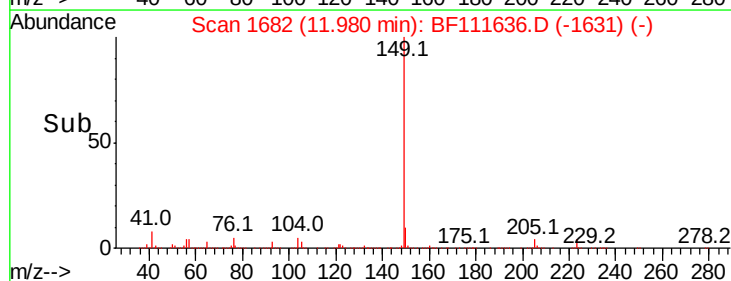
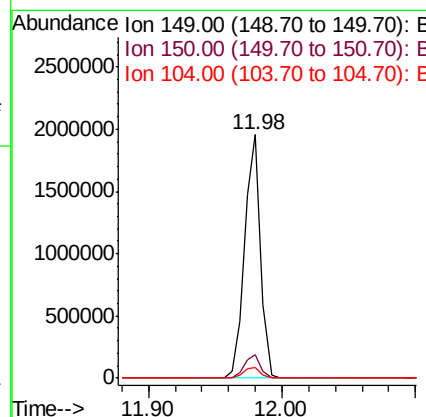
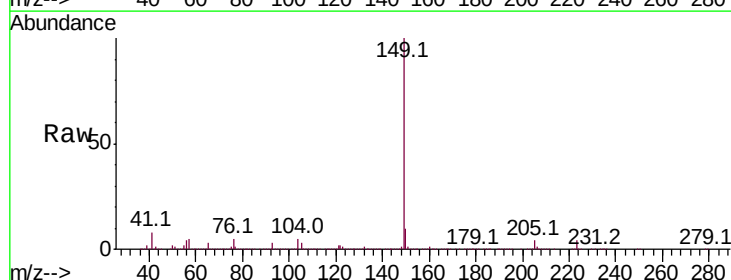
Manual Integrations
 APPROVED

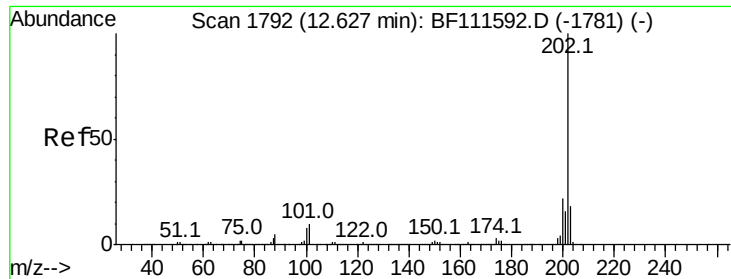
Sohil
 12/21/2018 2:46:38 PM



#74
 Di-n-butylphthalate
 Concen: 46.429 ng
 RT: 11.98 min Scan# 1682
 Delta R.T. -0.00 min
 Lab File: BF111636.D
 Acq: 20 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
149	100		
150	9.6	8.8	13.2
104	4.6	4.5	6.7





#75

Fluoranthene

Concen: 41.571 ng

RT: 12.63 min Scan# 1792

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

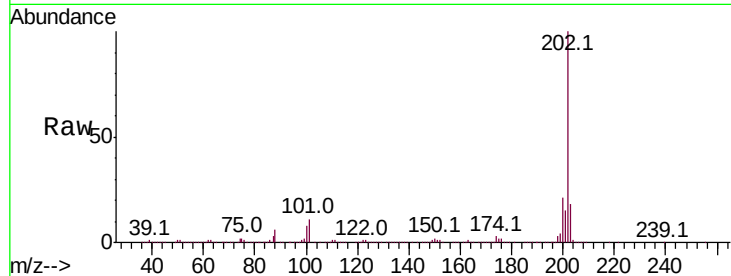
ClientSampleId :

VB-1MSD

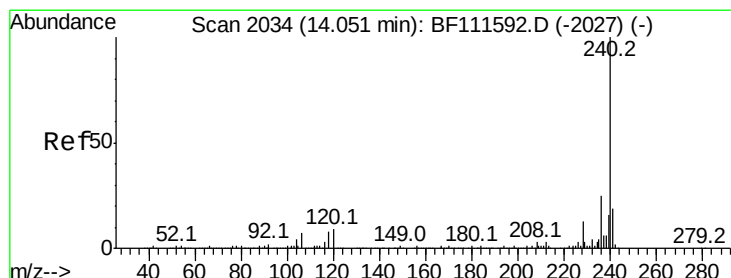
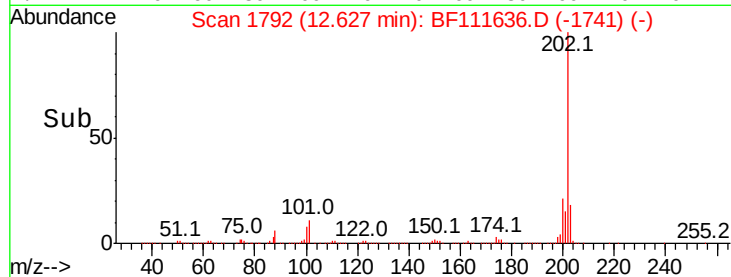
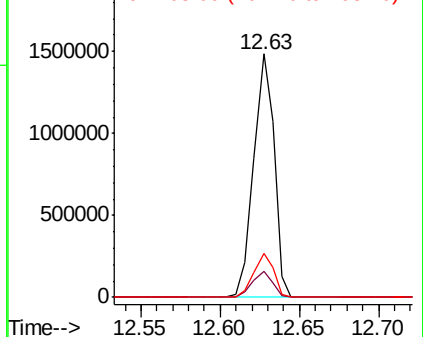
Tot Ion:	202	Resp:	1335803
Ion	Ratio	Lower	Upper
202	100		
101	10.8	0.0	33.8
203	18.0	0.0	38.6

Manual Integrations
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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

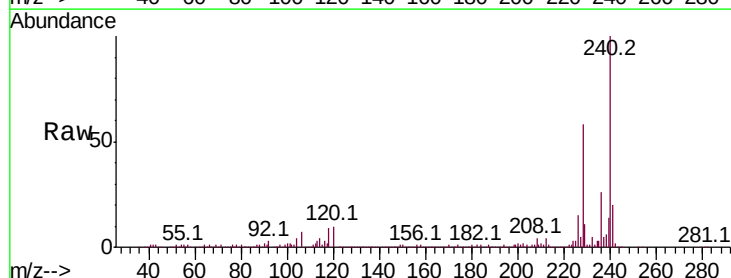
RT: 14.05 min Scan# 2034

Delta R.T. -0.00 min

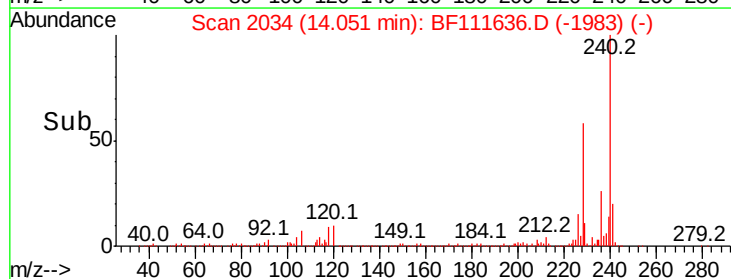
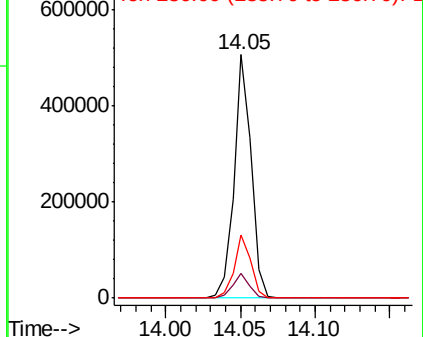
Lab File: BF111636.D

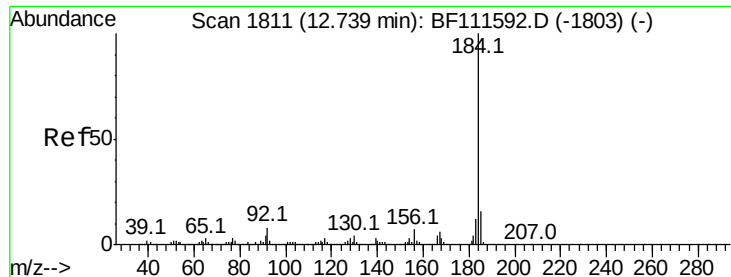
Acq: 20 Dec 2018 13:44

Tgt Ion:	240	Resp:	409988
Ion	Ratio	Lower	Upper
240	100		
120	10.3	12.2	18.2#
236	26.0	20.2	30.2



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: 22.403 ng

RT: 12.74 min Scan# 1811

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

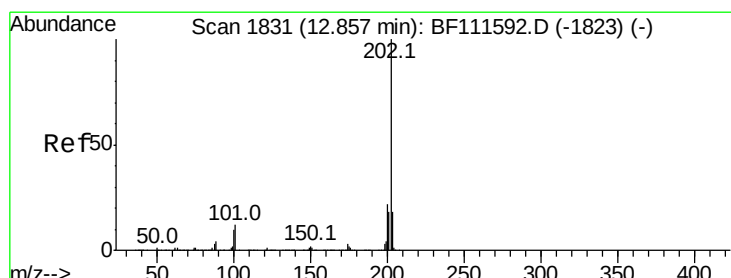
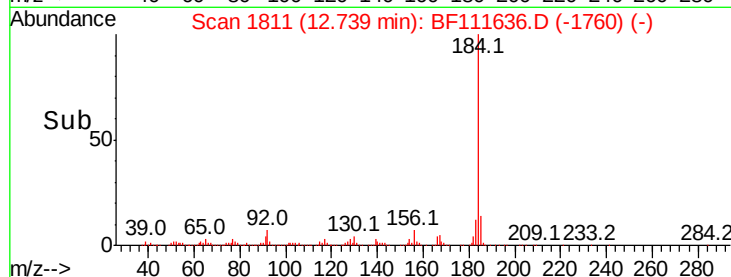
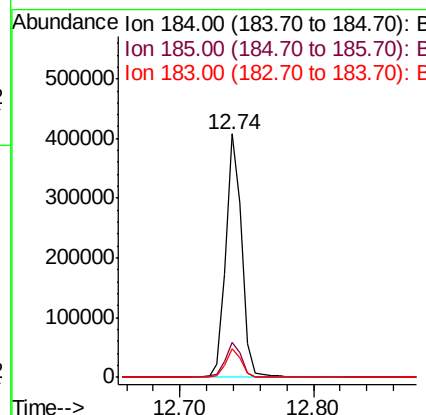
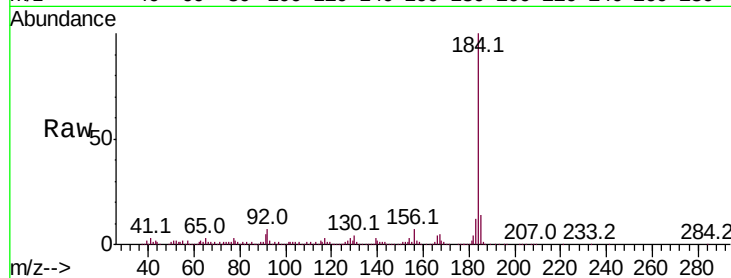
ClientSampleId :

VB-1MSD

Tot Ion:	184	Resp:	345621
Ion Ratio	Lower	Upper	
184	100		
185	14.2	13.0	19.6
183	11.5	9.3	13.9

Manual Integrations
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#78

Pyrene

Concen: 45.046 ng

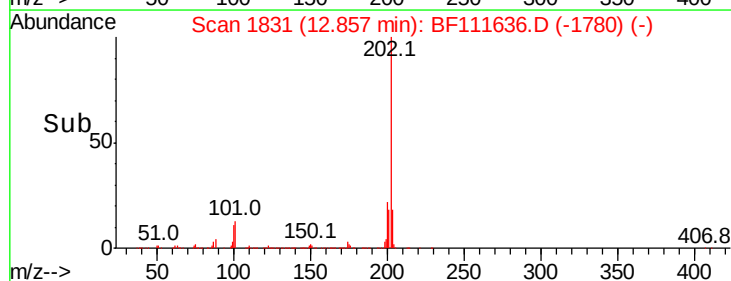
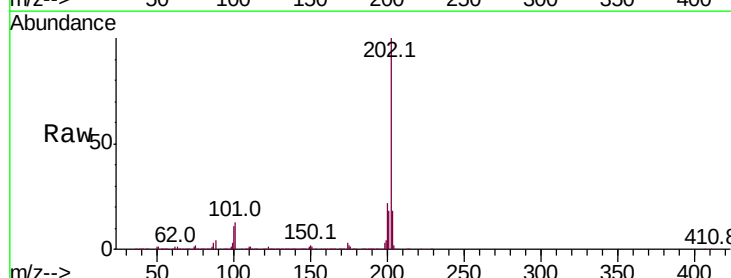
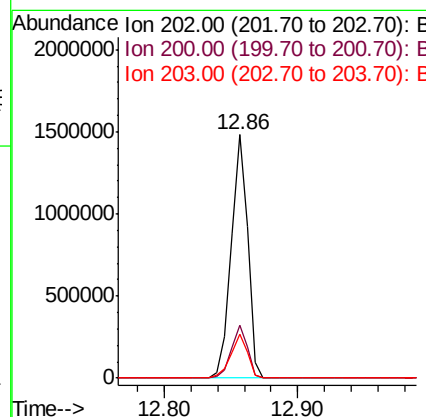
RT: 12.86 min Scan# 1831

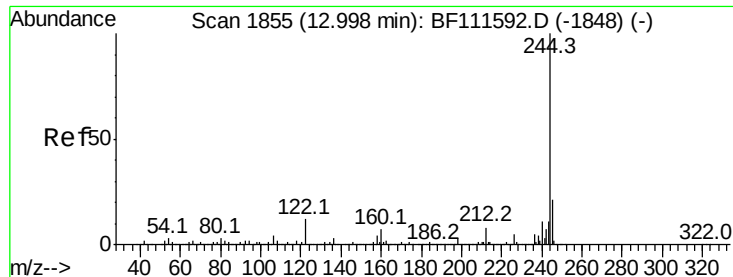
Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Tgt Ion:	202	Resp:	1304184
Ion Ratio	Lower	Upper	
202	100		
200	21.9	19.0	28.4
203	17.9	15.2	22.8





#79

Terphenyl-d14

Concen: 78.409 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

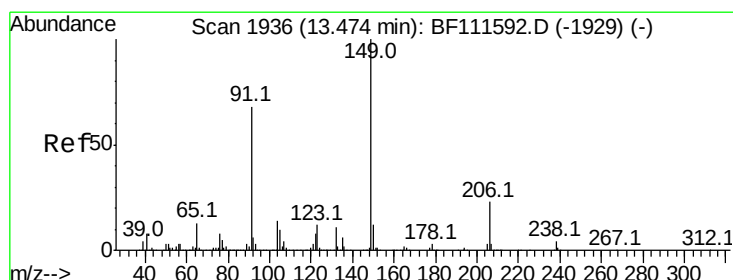
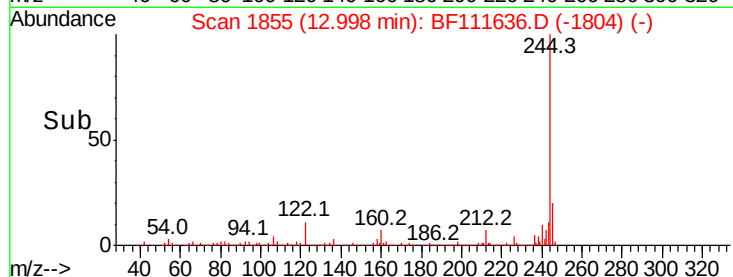
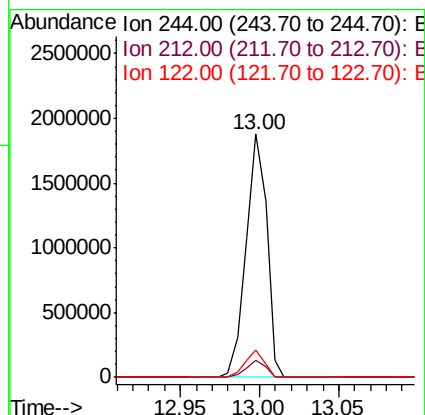
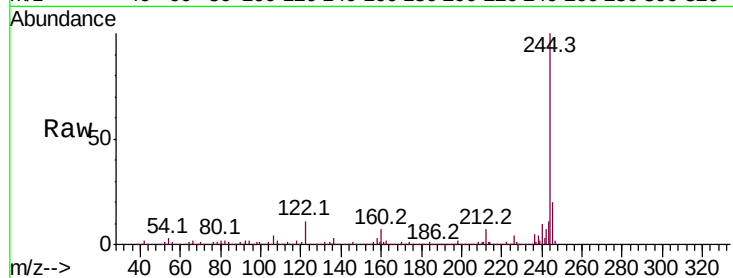
ClientSampleId :

VB-1MSD

Tot Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.7	8.5
122	11.1	13.1	19.7#

Manual Integrations
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#80

Butylbenzylphthalate

Concen: 46.528 ng

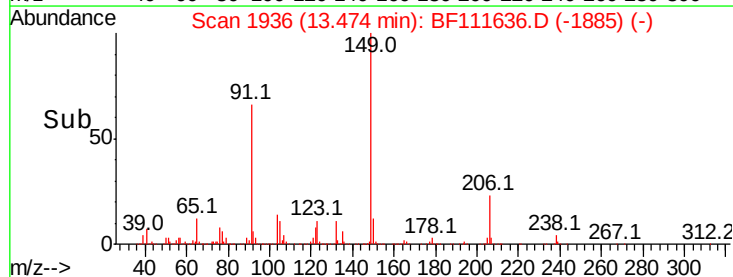
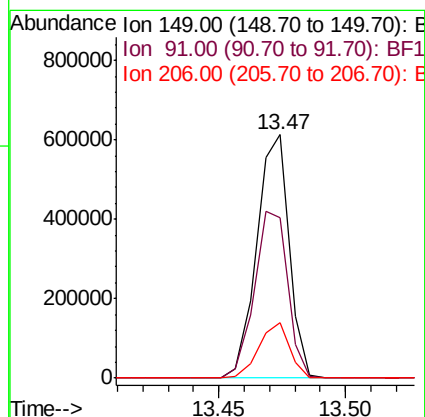
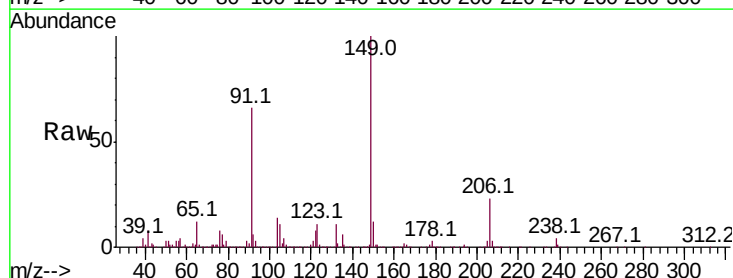
RT: 13.47 min Scan# 1936

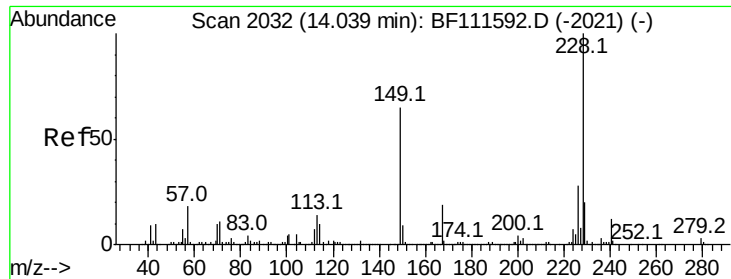
Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
149	100		
91	65.8	63.8	95.6
206	22.8	15.1	22.7#





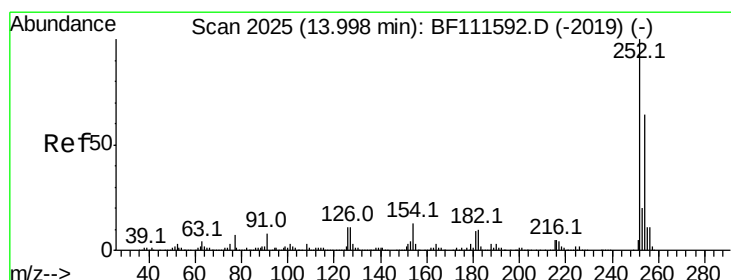
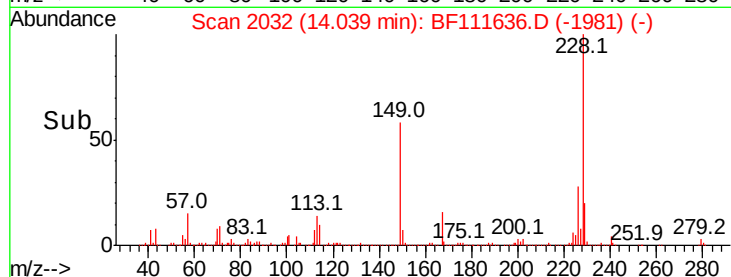
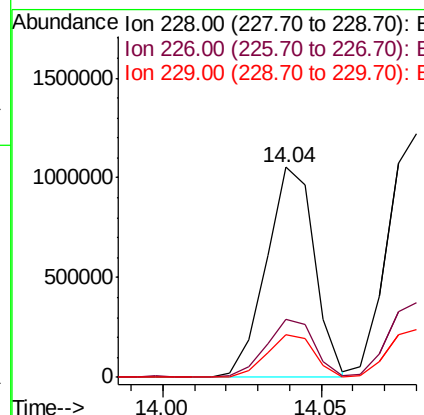
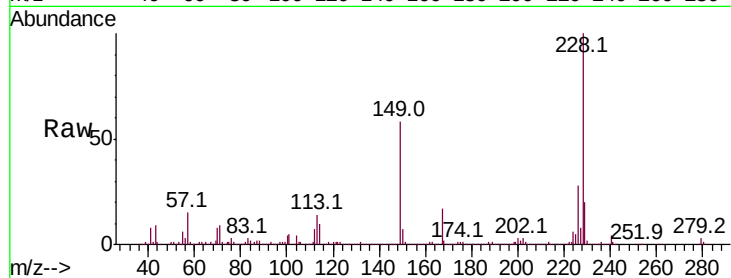
#81
Benzo(a)anthracene
Concen: 47.618 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampleId :
VB-1MSD

Tot Ion:228 Resp: 1114156
Ion Ratio Lower Upper
228 100
226 27.7 22.6 34.0
229 20.3 16.3 24.5

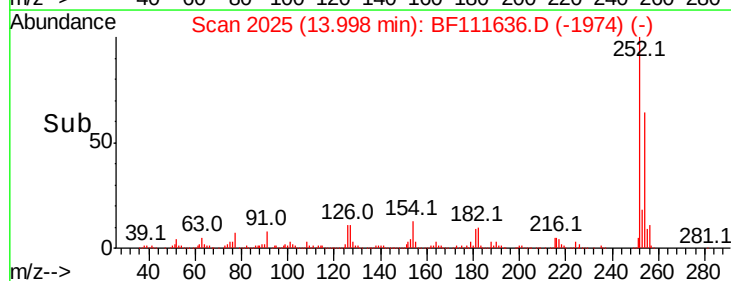
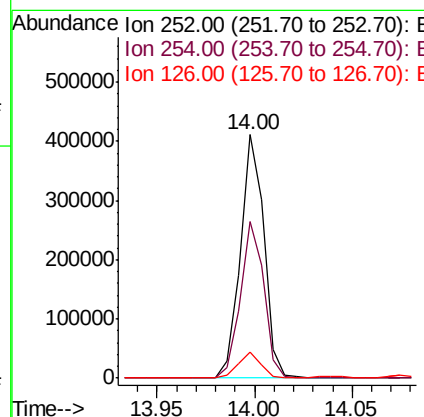
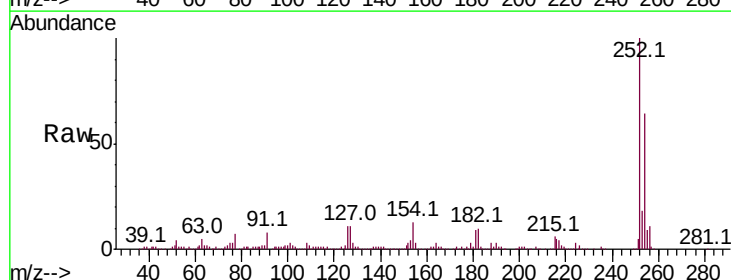
Manual Integrations
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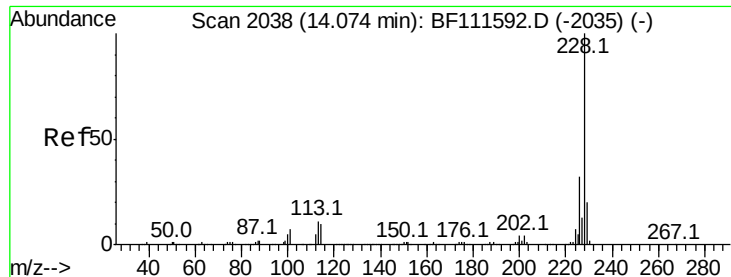
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#82
3,3'-Dichlorobenzidine
Concen: 37.184 ng
RT: 14.00 min Scan# 2025
Delta R.T. -0.00 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion:252 Resp: 343756
Ion Ratio Lower Upper
252 100
254 64.2 52.7 79.1
126 10.8 11.1 16.7#





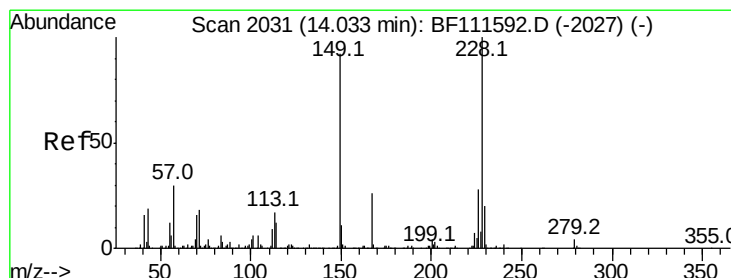
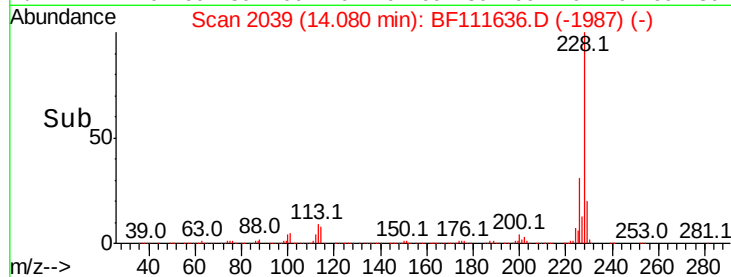
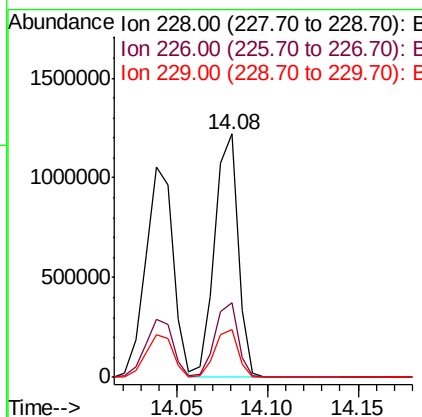
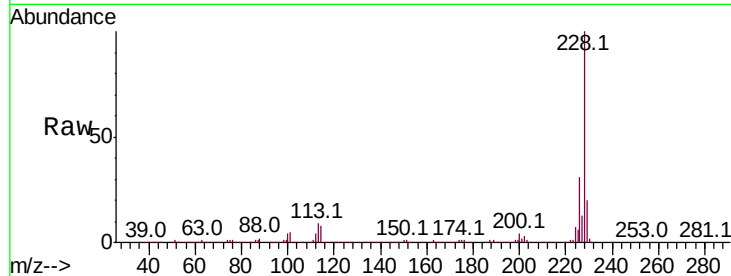
#83
 Chrysene
 Concen: 47.769 ng
 RT: 14.08 min Scan# 2039
 Delta R.T. 0.01 min
 Lab File: BF111636.D
 Acq: 20 Dec 2018 13:44

Instrument :
 BNA_F
 ClientSampleId :
 VB-1MSD

Tot Ion	Ratio	Lower	Upper
228	100		
226	30.9	25.3	37.9
229	19.7	17.2	25.8

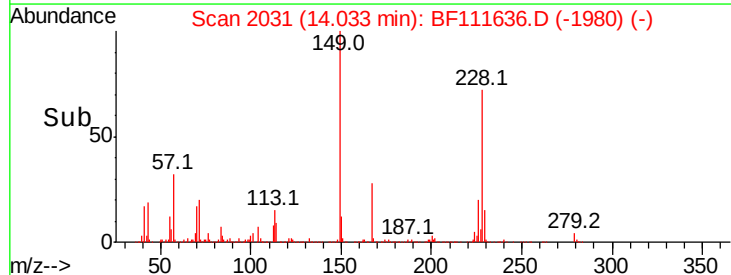
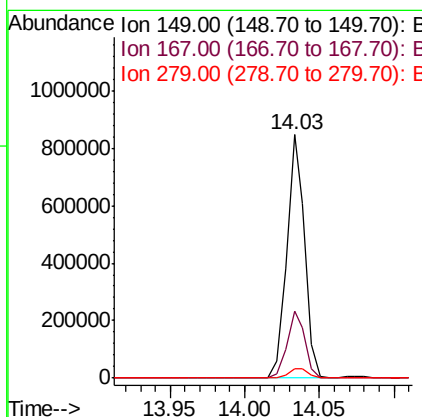
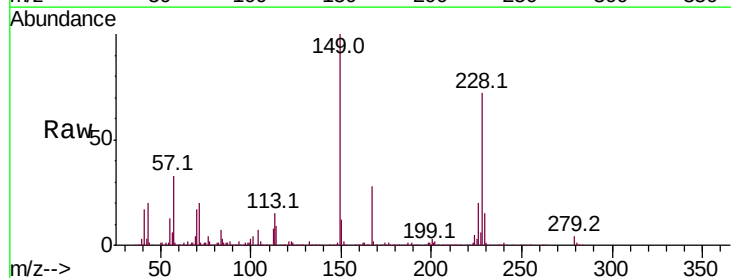
Manual Integrations
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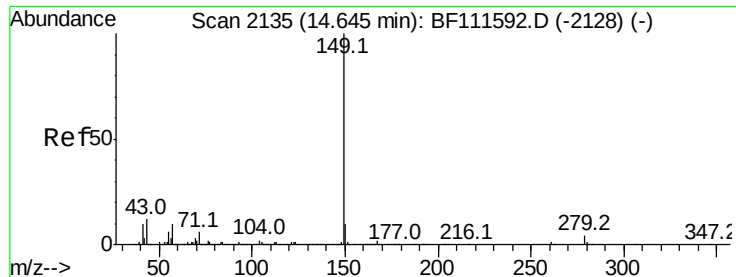
Sohil
 12/21/2018 2:46:38 PM



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 48.046 ng
 RT: 14.03 min Scan# 2031
 Delta R.T. -0.00 min
 Lab File: BF111636.D
 Acq: 20 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
149	100		
167	27.7	22.5	33.7
279	4.0	2.6	4.0#





#85

Di-n-octyl phthalate

Concen: 52.606 ng

RT: 14.64 min Scan# 2135

Delta R.T. -0.00 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

Instrument :

BNA_F

ClientSampleId :

VB-1MSD

Tot Ion:149 Resp: 1211621

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

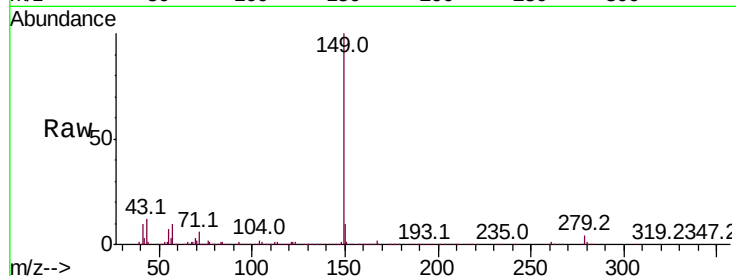
43 11.7 10.9 16.3

Manual Integrations

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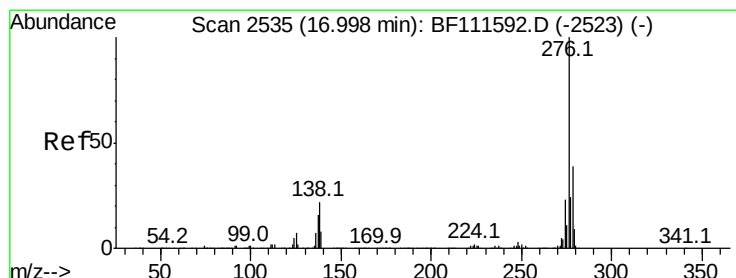
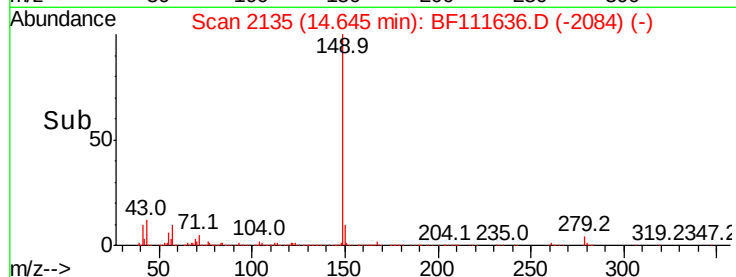
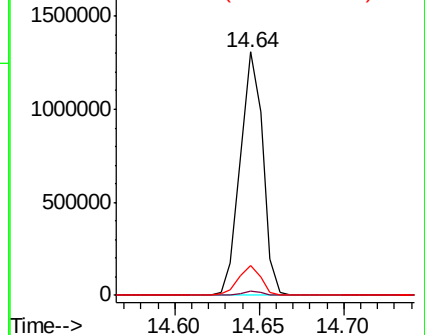
12/21/2018 2:46:38 PM



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1



#86

Indeno(1,2,3-cd)pyrene

Concen: 53.994 ng

RT: 17.01 min Scan# 2537

Delta R.T. 0.01 min

Lab File: BF111636.D

Acq: 20 Dec 2018 13:44

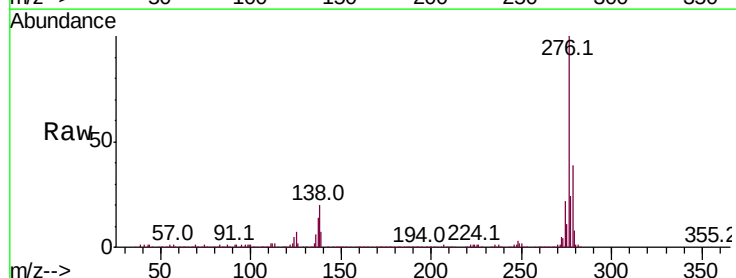
Tgt Ion:276 Resp: 1055550

Ion Ratio Lower Upper

276 100

138 23.2 27.8 41.6#

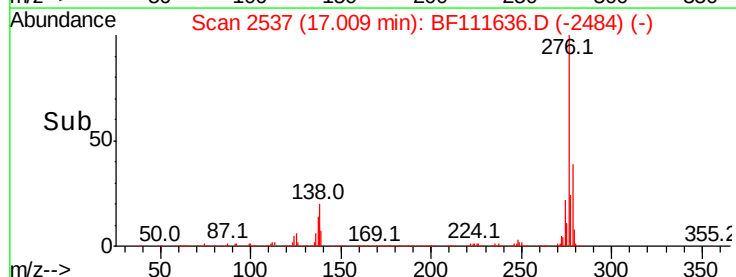
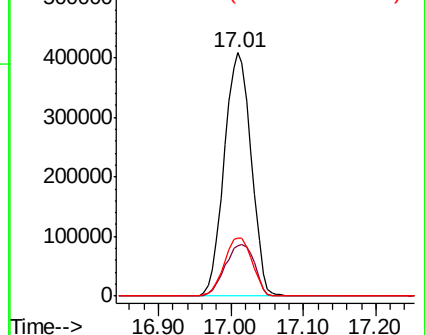
277 25.0 20.1 30.1

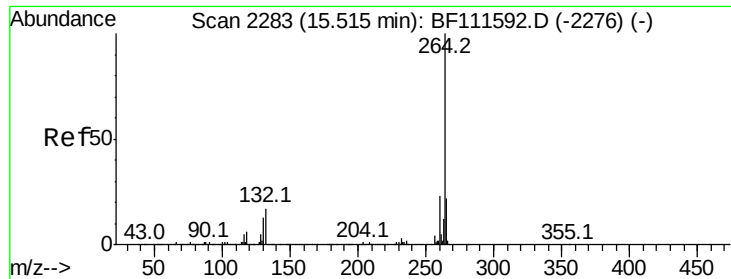


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E





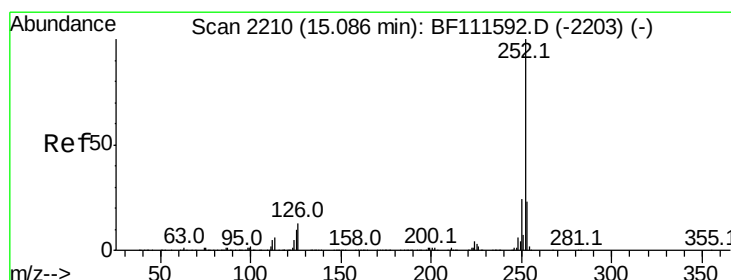
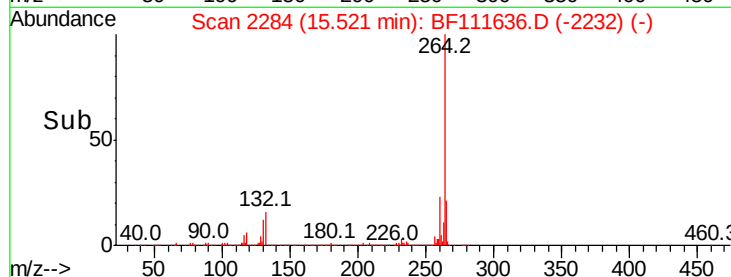
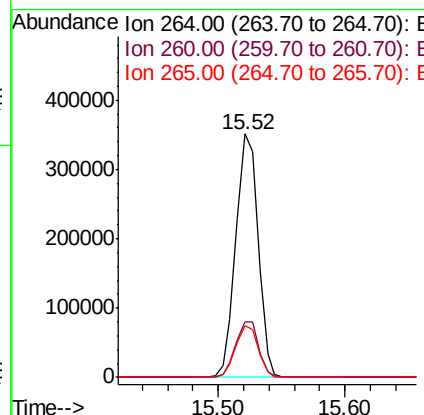
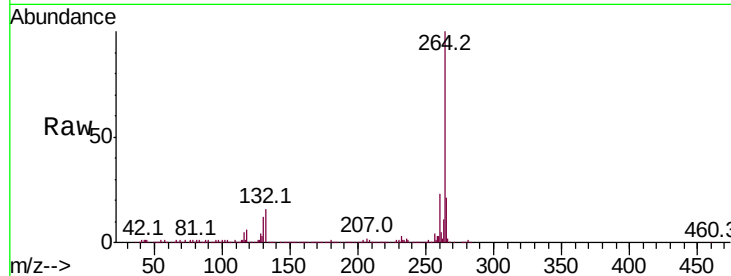
#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampleId :
VB-1MSD

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.0	18.3	27.5
265	21.3	17.7	26.5

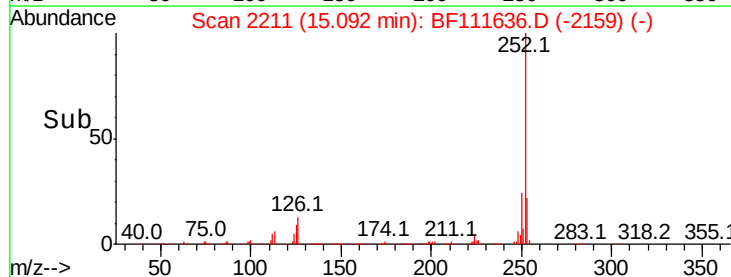
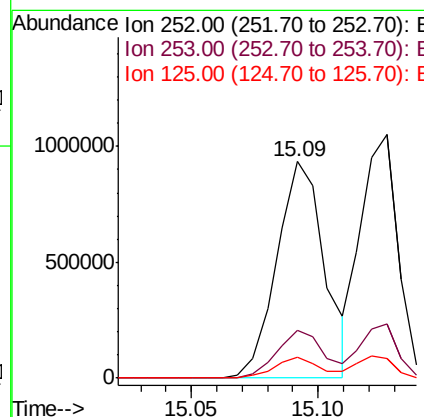
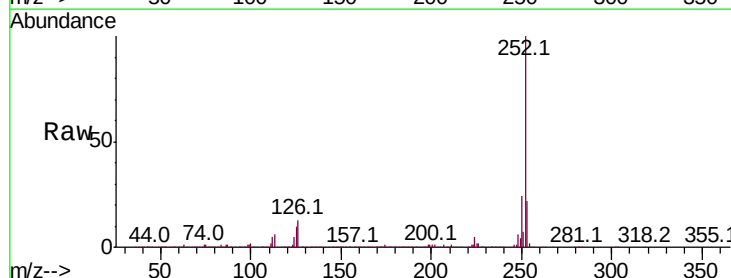
Manual Integrations
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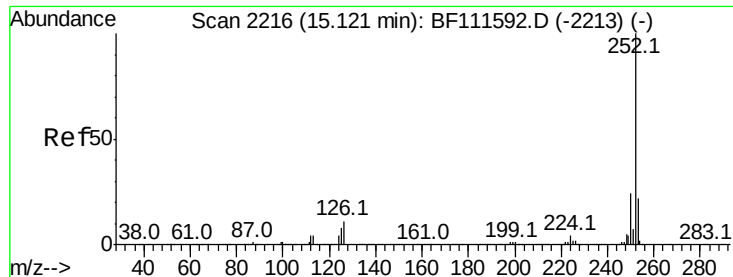
Sohil
12/21/2018 2:46:38 PM



#88
Benzo(b)fluoranthene
Concen: 49.104 ng
RT: 15.09 min Scan# 2211
Delta R.T. 0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.2	27.2
125	9.6	10.4	15.6#





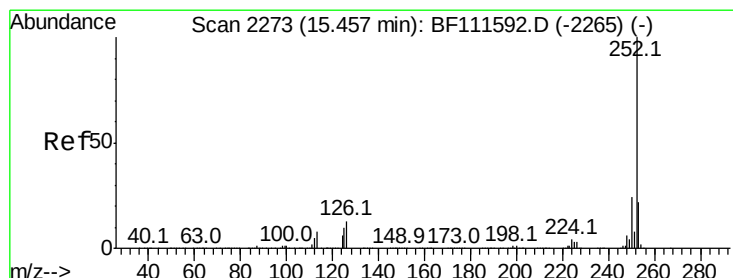
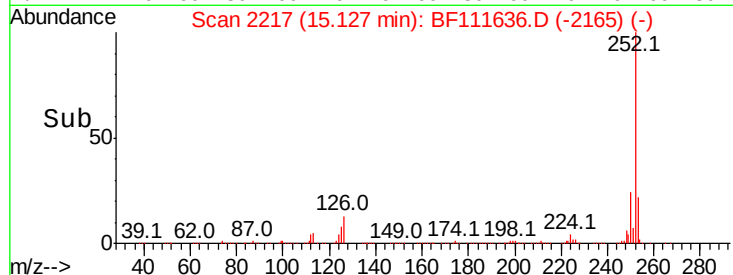
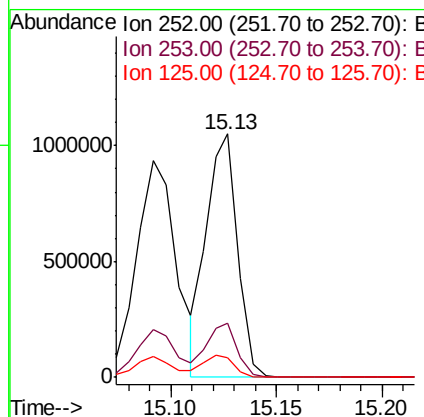
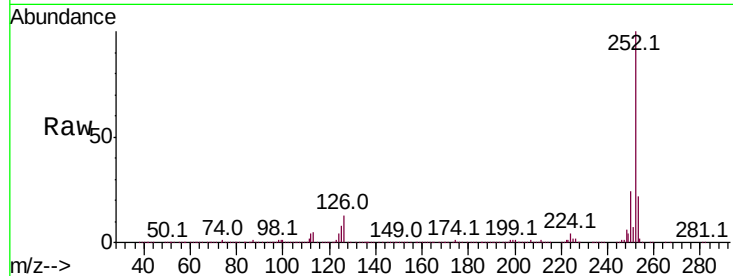
#89
Benzo(k)fluoranthene
Concen: 45.103 ng
RT: 15.13 min Scan# 2217
Delta R.T. 0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampleId :
VB-1MSD

Tot Ion	Ratio	Lower	Upper
252	100		
253	22.5	18.1	27.1
125	8.3	9.8	14.8

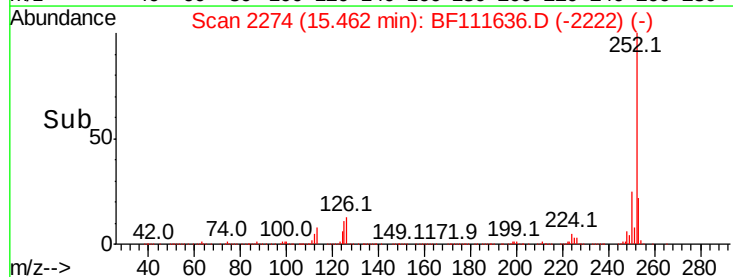
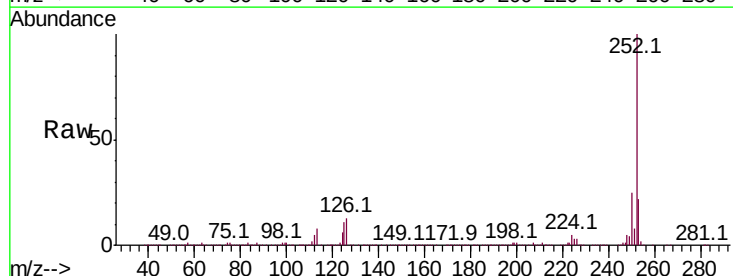
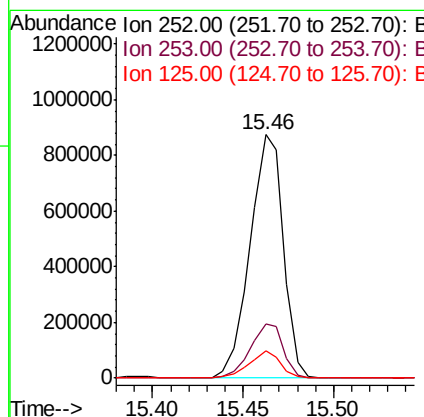
Manual Integrations
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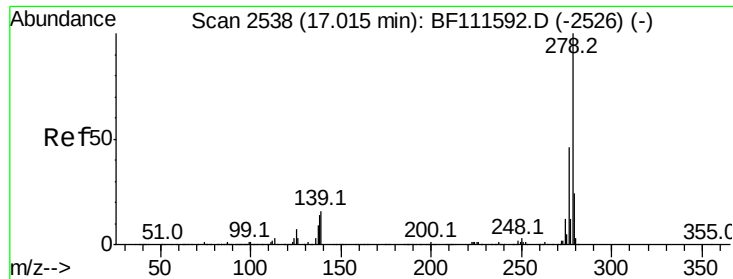
Sohil
12/21/2018 2:46:38 PM



#90
Benzo(a)pyrene
Concen: 49.179 ng
RT: 15.46 min Scan# 2274
Delta R.T. 0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.4	17.8	26.8
125	11.1	12.3	18.5





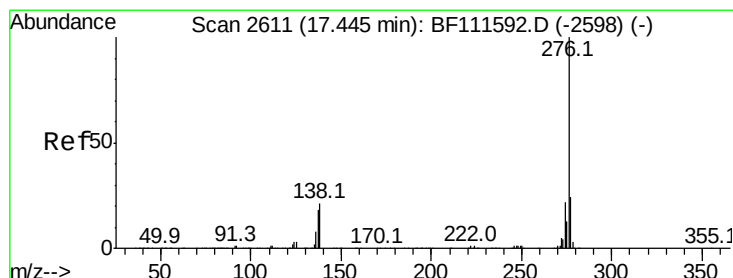
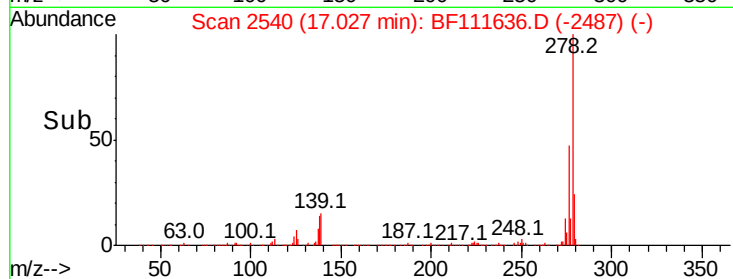
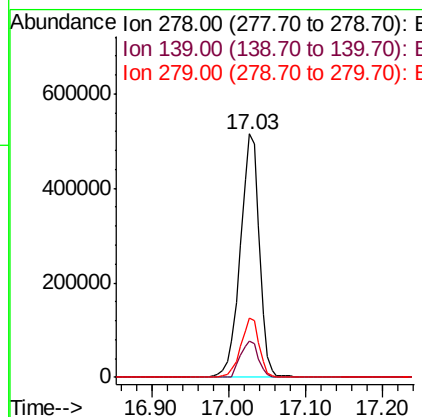
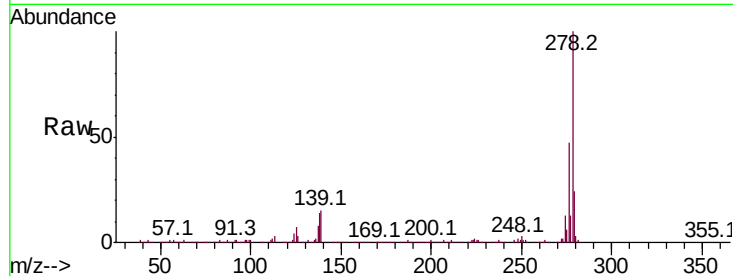
#91
Dibenzo(a,h)anthracene
Concen: 45.042 ng
RT: 17.03 min Scan# 2540
Delta R.T. 0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Instrument :
BNA_F
ClientSampleId :
VB-1MSD

Tot Ion	Ratio	Lower	Upper
278	100		
139	15.0	18.2	27.4#
279	24.1	19.0	28.6

Manual Integrations
APPROVED

Sohil
12/21/2018 2:46:38 PM



#92
Benzo(g,h,i)perylene
Concen: 42.223 ng
RT: 17.46 min Scan# 2613
Delta R.T. 0.01 min
Lab File: BF111636.D
Acq: 20 Dec 2018 13:44

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.0	19.2	28.8
138	20.5	24.9	37.3#

