

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF012919\
 Data File : BF112290.D
 Acq On : 29 Jan 2019 12:57
 Operator : JU/SJ
 Sample : PB116683BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB116683BS

Quant Time: Jan 30 00:05:51 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF012519.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jan 28 10:38:18 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	158286	20.00	ng	0.00
21) Naphthalene-d8	8.12	136	599827	20.00	ng	0.00
39) Acenaphthene-d10	9.87	164	284239	20.00	ng	-0.01
64) Phenanthrene-d10	11.36	188	515178	20.00	ng	0.00
76) Chrysene-d12	14.00	240	334075	20.00	ng	0.00
87) Perylene-d12	15.46	264	311224	20.00	ng	-0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.49	112	1131588	151.85	ng	0.00
7) Phenol-d6	6.49	99	1349306	130.31	ng	0.00
23) Nitrobenzene-d5	7.40	82	801414	76.98	ng	-0.01
42) 2,4,6-Tribromophenol	10.67	330	398986	120.60	ng	-0.01
45) 2-Fluorobiphenyl	9.20	172	1613543	80.29	ng	0.00
79) Terphenyl-d14	12.94	244	1508077	85.02	ng	-0.01

Target Compounds

						Qvalue
2) 1,4-Dioxane	2.67	88	150074	50.554	ng	97
3) Pyridine	3.43	79	393444	52.103	ng	99
4) n-Nitrosodimethylamine	3.37	42	172781	54.461	ng	98
6) Aniline	6.50	93	325846	26.453	ng	# 38
8) 2-Chlorophenol	6.63	128	397034	39.605	ng	99
9) Benzaldehyde	6.39	77	90724	16.763	ng	99
10) Phenol	6.50	94	450417	39.647	ng	92
11) bis(2-Chloroethyl)ether	6.57	93	364767	40.783	ng	96
12) 1,3-Dichlorobenzene	6.78	146	450421	38.580	ng	99
13) 1,4-Dichlorobenzene	6.86	146	456695	38.009	ng	99
14) 1,2-Dichlorobenzene	7.01	146	426602	37.921	ng	96
15) Benzyl Alcohol	6.98	79	323130	37.018	ng	97
16) 2,2'-oxybis(1-Chloropropan	7.11	45	445377	38.783	ng	57
17) 2-Methylphenol	7.10	107	304966	38.375	ng	# 93
18) Hexachloroethane	7.35	117	163733	38.805	ng	95
19) n-Nitroso-di-n-propylamine	7.25	70	260899	36.539	ng	96
20) 3+4-Methylphenols	7.26	107	398080	39.172	ng	# 65
22) Acetophenone	7.25	105	531106	36.363	ng	95
24) Nitrobenzene	7.42	77	394180	37.914	ng	100
25) Isophorone	7.66	82	688707	42.171	ng	99
26) 2-Nitrophenol	7.74	139	214770	38.655	ng	98
27) 2,4-Dimethylphenol	7.78	122	331703	43.331	ng	96
28) bis(2-Chloroethoxy)methane	7.86	93	441134	39.670	ng	98
29) 2,4-Dichlorophenol	7.99	162	331780	38.730	ng	99
30) 1,2,4-Trichlorobenzene	8.06	180	378489	38.437	ng	99
31) Naphthalene	8.15	128	1141801	40.705	ng	98
32) Benzoic acid	7.91	122	149831	34.313	ng	99
33) 4-Chloroaniline	8.19	127	250233	20.488	ng	99
34) Hexachlorobutadiene	8.26	225	209137	36.193	ng	100
35) Caprolactam	8.56	113	96621	31.972	ng	99
36) 4-Chloro-3-methylphenol	8.69	107	326121	35.961	ng	99
37) 2-Methylnaphthalene	8.83	142	795992	41.452	ng	98
38) 1-Methylnaphthalene	8.93	142	743743	40.409	ng	98
40) 1,2,4,5-Tetrachlorobenzene	9.00	216	360886	38.670	ng	99

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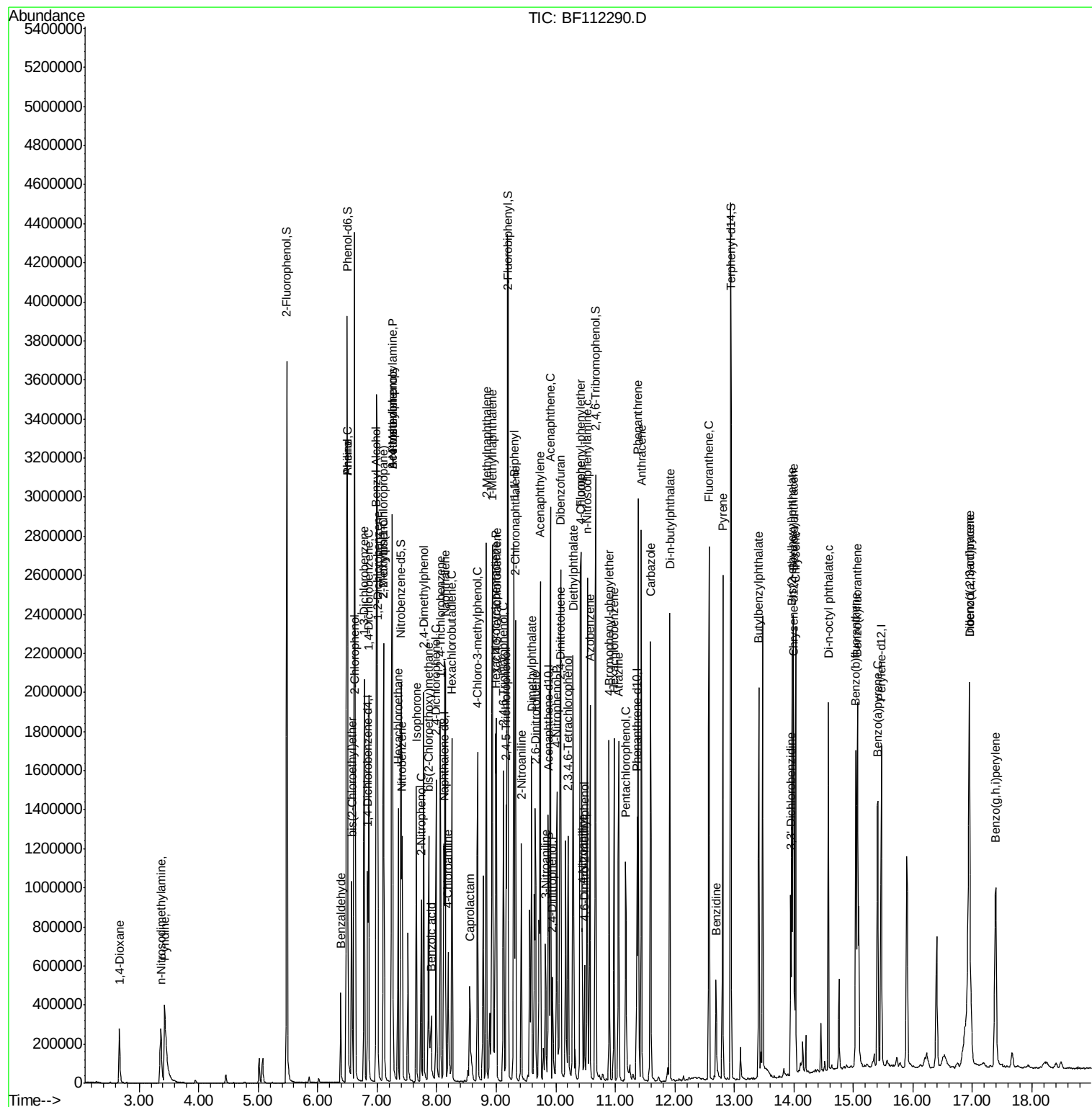
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
41) Hexachlorocyclopentadiene	8.99	237	229385	66.653	nq	98
43) 2,4,6-Trichlorophenol	9.12	196	223387	38.832	nq	99
44) 2,4,5-Trichlorophenol	9.17	196	233301	38.804	nq	99
46) 1,1'-Biphenyl	9.30	154	950836	38.264	nq	99
47) 2-Chloronaphthalene	9.32	162	740277	38.416	nq	96
48) 2-Nitroaniline	9.42	65	191642	36.488	nq	96
49) Acenaphthylene	9.74	152	1148162	40.652	nq	98
50) Dimethylphthalate	9.59	163	815199	36.914	nq	99
51) 2,6-Dinitrotoluene	9.66	165	184672	37.338	nq #	86
52) Acenaphthene	9.91	154	657701	38.982	nq	99
53) 3-Nitroaniline	9.83	138	117765	21.978	nq	89
54) 2,4-Dinitrophenol	9.95	184	85299	53.739	nq	94
55) Dibenzofuran	10.08	168	983214	38.134	nq	96
56) 4-Nitrophenol	10.01	139	194698	68.728	nq	93
57) 2,4-Dinitrotoluene	10.07	165	236078	37.493	nq	94
58) Fluorene	10.42	166	788447	40.864	nq	100
59) 2,3,4,6-Tetrachlorophenol	10.21	232	180329	39.689	nq	97
60) Diethylphthalate	10.29	149	804343	36.702	nq	98
61) 4-Chlorophenyl-phenylether	10.41	204	381067	36.308	nq	92
62) 4-Nitroaniline	10.45	138	166197	31.622	nq	96
63) Azobenzene	10.57	77	711775	36.928	nq	97
65) 4,6-Dinitro-2-methylphenol	10.48	198	79748	27.610	nq	90
66) n-Nitrosodiphenylamine	10.53	169	669812	38.577	nq	98
67) 4-Bromophenyl-phenylether	10.90	248	232752	38.413	nq	91
68) Hexachlorobenzene	10.98	284	246143	37.863	nq	97
69) Atrazine	11.06	200	208188	37.160	nq	97
70) Pentachlorophenol	11.17	266	152488	60.284	nq	99
71) Phenanthrene	11.39	178	1076957	40.210	nq	98
72) Anthracene	11.44	178	1119202	41.950	nq	99
73) Carbazole	11.59	167	912108	34.658	nq	99
74) Di-n-butylphthalate	11.92	149	1188499	36.383	nq	99
75) Fluoranthene	12.57	202	1025628	35.703	nq	99
77) Benzidine	12.69	184	222266	24.173	nq	98
78) Pyrene	12.80	202	1022433	44.205	nq	98
80) Butylbenzylphthalate	13.41	149	430134	38.438	nq	95
81) Benzo(a)anthracene	13.99	228	784982	39.971	nq	98
82) 3,3'-Dichlorobenzidine	13.95	252	223646	30.429	nq	98
83) Chrysene	14.03	228	730395	38.962	nq	98
84) Bis(2-ethylhexyl)phthalate	13.97	149	590669	37.185	nq #	98
85) Di-n-octyl phthalate	14.58	149	901751	36.898	nq	98
86) Indeno(1,2,3-cd)pyrene	16.94	276	896049	60.323	nq	97
88) Benzo(b)fluoranthene	15.04	252	779905	41.902	nq	100
89) Benzo(k)fluoranthene	15.07	252	655864	36.788	nq	98
90) Benzo(a)pyrene	15.41	252	707682	42.256	nq	99
91) Dibenzo(a,h)anthracene	16.95	278	753588	55.831	nq	99
92) Benzo(g,h,i)perylene	17.39	276	779125	61.183	nq	97

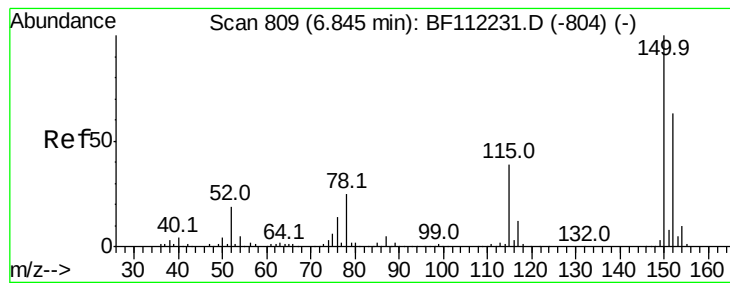
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.84 min Scan# 808

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

Instrument :

BNA_F

ClientSampleId :

PB116683BS

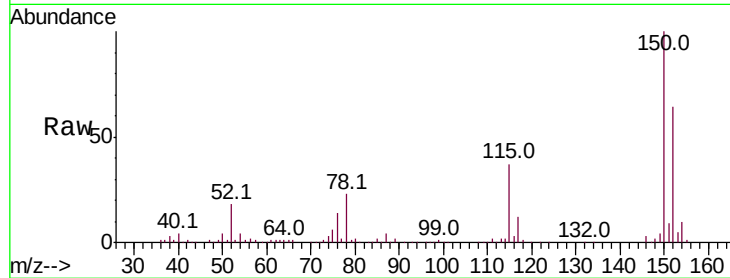
Tot Ion:152 Resp: 158286

Ion Ratio Lower Upper

152 100

150 155.5 127.4 191.0

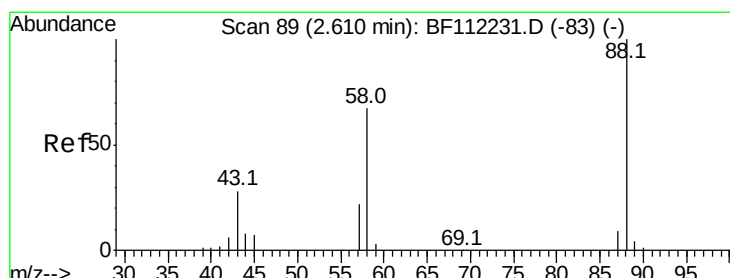
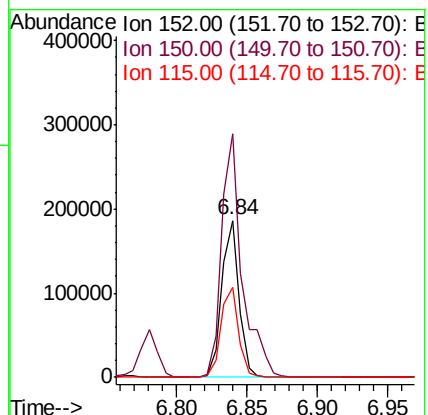
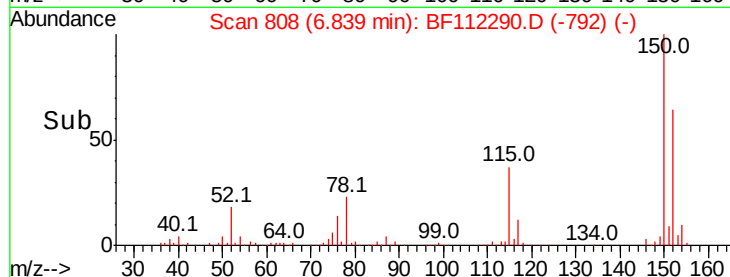
115 57.4 45.5 68.3



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: 50.554 ng

RT: 2.67 min Scan# 99

Delta R.T. 0.06 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

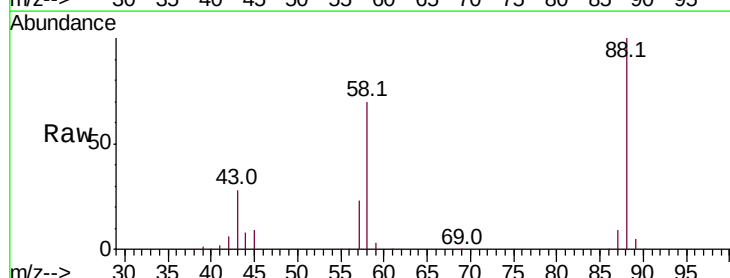
Tgt Ion: 88 Resp: 150074

Ion Ratio Lower Upper

88 100

58 69.1 57.4 86.2

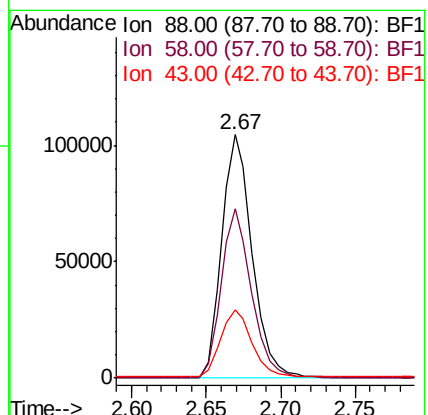
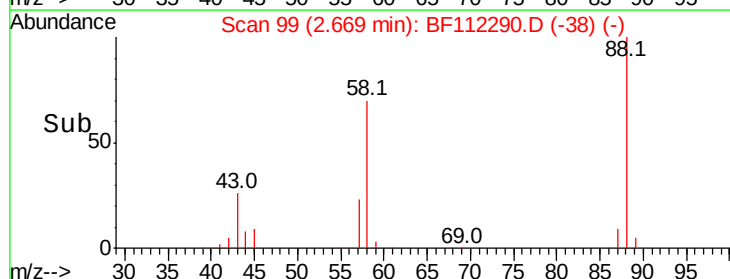
43 28.6 22.2 33.4

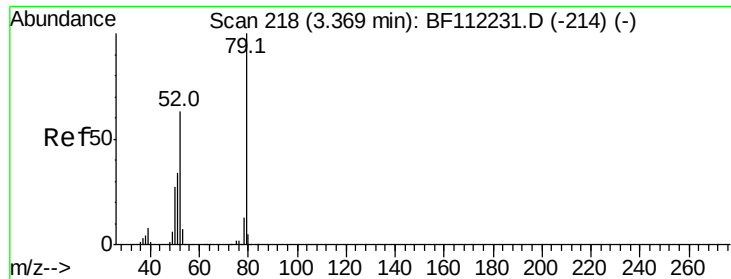


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1

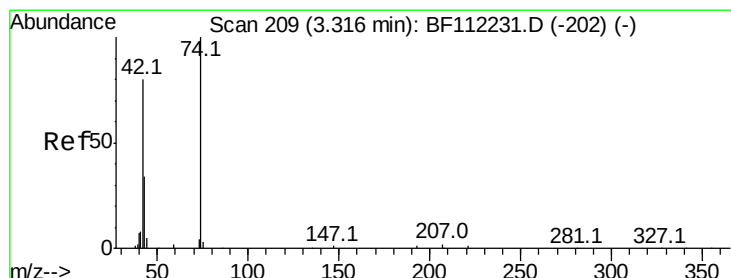
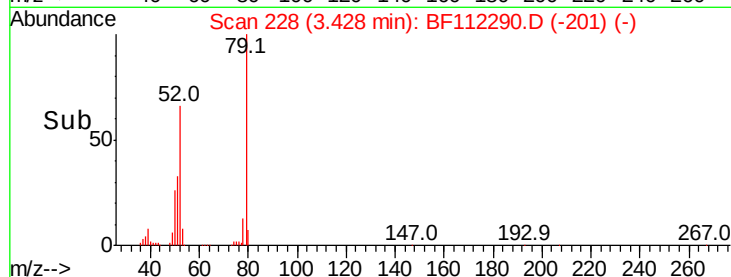
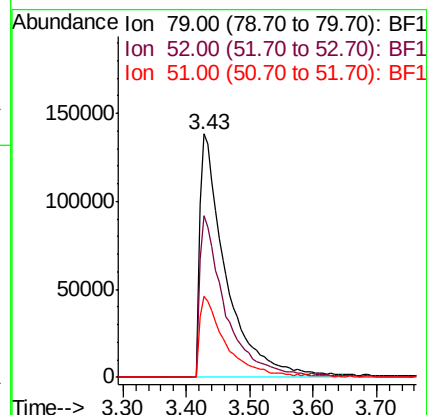
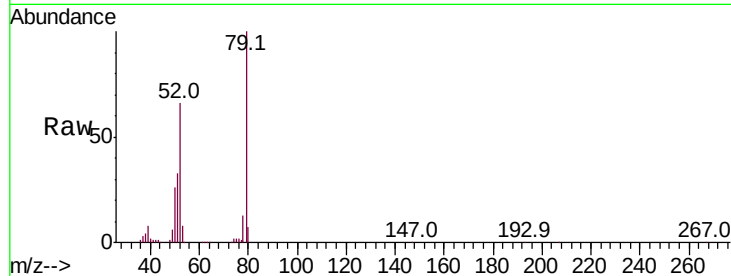




#3
 Pvridine
 Concen: 52.103 ng
 RT: 3.43 min Scan# 228
 Delta R.T. 0.06 min
 Lab File: BF112290.D
 Acq: 29 Jan 2019 12:57

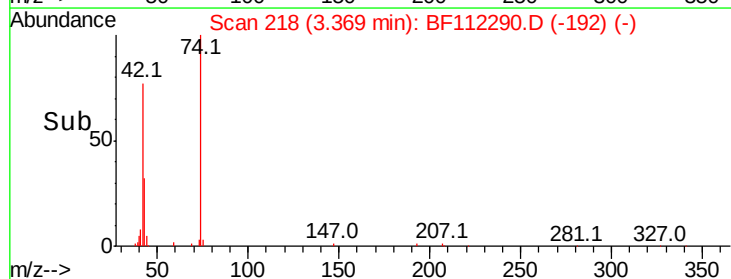
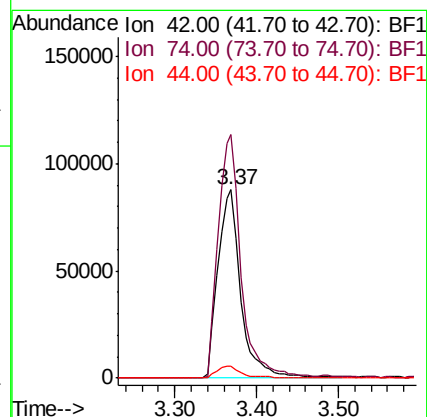
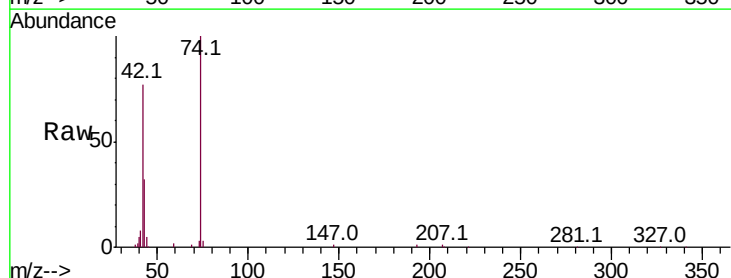
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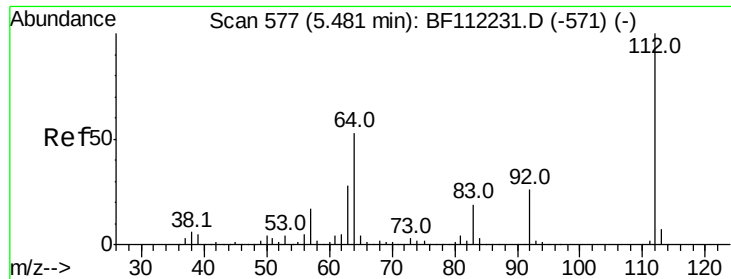
Tot Ion: 79 Resp: 393444
 Ion Ratio Lower Upper
 79 100
 52 66.3 52.4 78.6
 51 33.3 26.1 39.1



#4
 n-Nitrosodimethylamine
 Concen: 54.461 ng
 RT: 3.37 min Scan# 218
 Delta R.T. 0.05 min
 Lab File: BF112290.D
 Acq: 29 Jan 2019 12:57

Tgt Ion: 42 Resp: 172781
 Ion Ratio Lower Upper
 42 100
 74 129.4 105.6 158.4
 44 6.2 5.4 8.2





#5

2-Fluorophenol

Concen: 151.850 ng

RT: 5.49 min Scan# 578

Delta R.T. 0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

Instrument :

BNA_F

ClientSampled :

PB116683BS

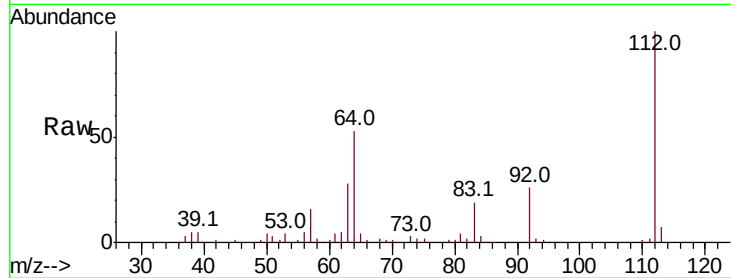
Tot Ion:112 Resp: 1131588

Ion Ratio Lower Upper

112 100

64 52.6 45.7 68.5

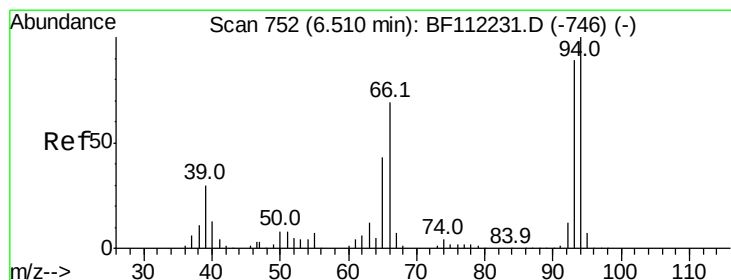
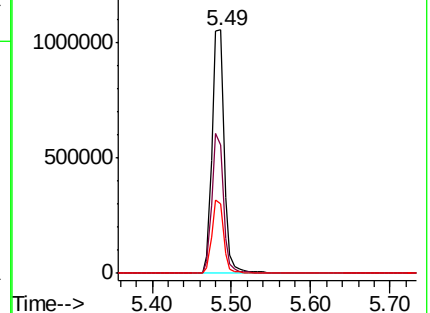
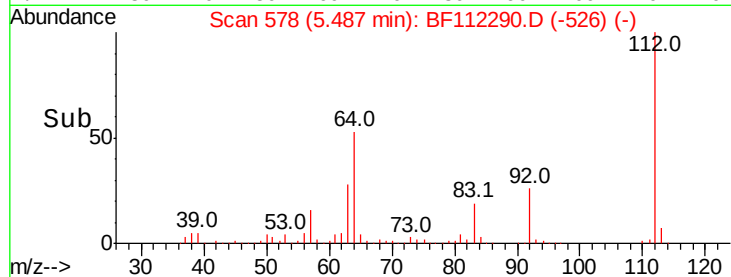
63 28.4 23.6 35.4



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 26.453 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

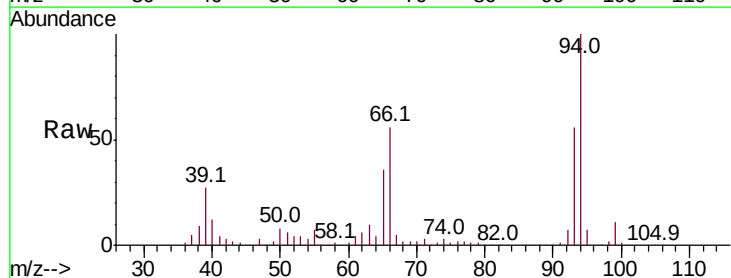
Tgt Ion: 93 Resp: 325846

Ion Ratio Lower Upper

93 100

66 99.8 43.4 65.2#

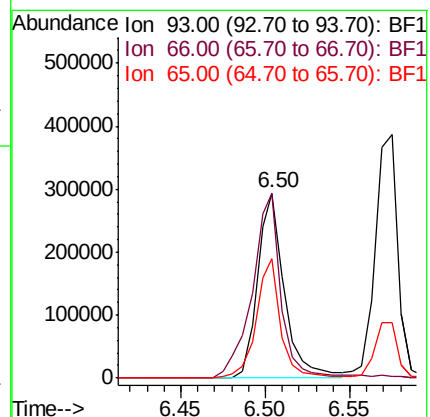
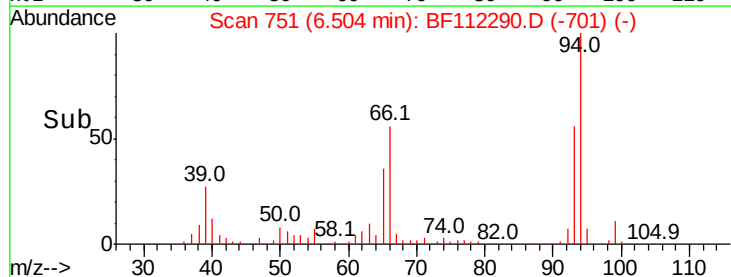
65 64.3 25.3 37.9#

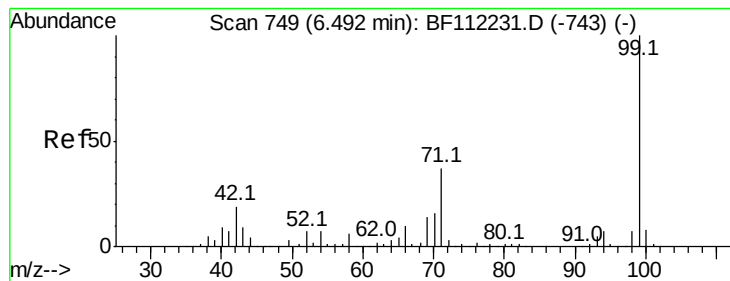


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 130.305 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.00 min

Lab File: BF112290.D

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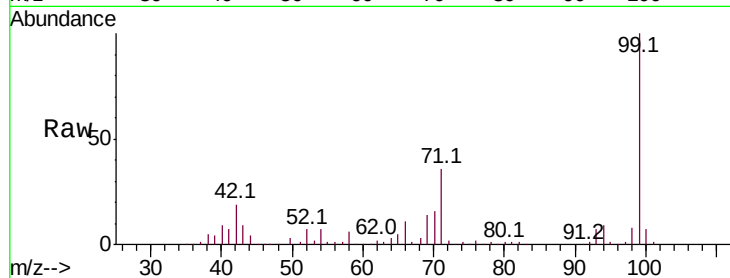
Tot Ion: 99 Resp: 1349306

Ion Ratio Lower Upper

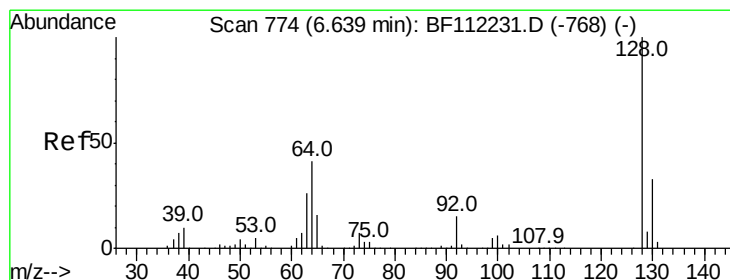
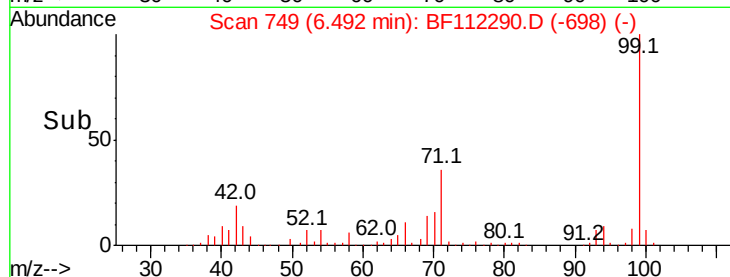
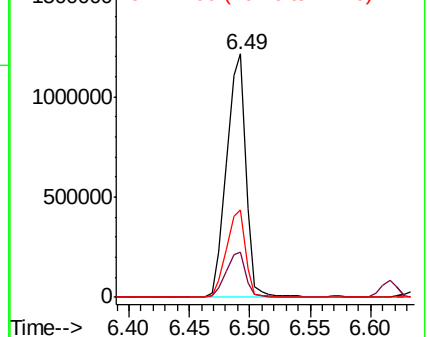
99 100

42 18.6 15.1 22.7

71 35.9 26.9 40.3



Abundance Ion 99.00 (98.70 to 99.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#8

2-Chlorophenol

Concen: 39.605 ng

RT: 6.63 min Scan# 773

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

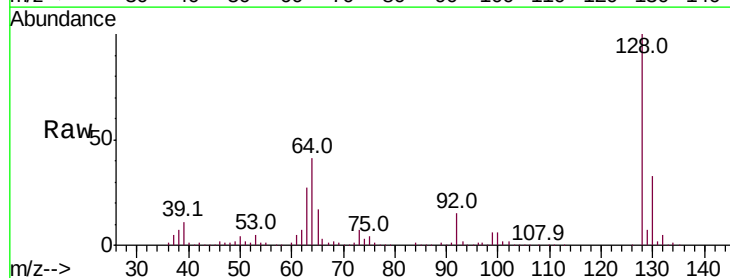
Tgt Ion:128 Resp: 397034

Ion Ratio Lower Upper

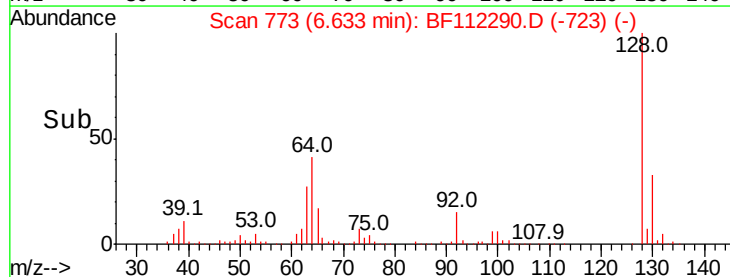
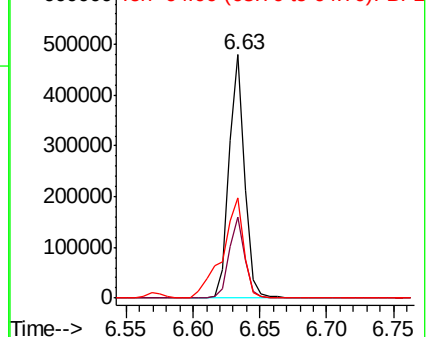
128 100

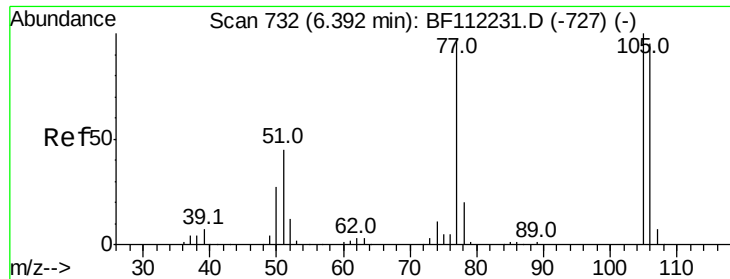
130 33.3 13.4 53.4

64 41.1 20.5 60.5



Abundance Ion 128.00 (127.70 to 128.70): E
Ion 130.00 (129.70 to 130.70): E
Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: 16.763 ng

RT: 6.39 min Scan# 731

Delta R.T. -0.01 min

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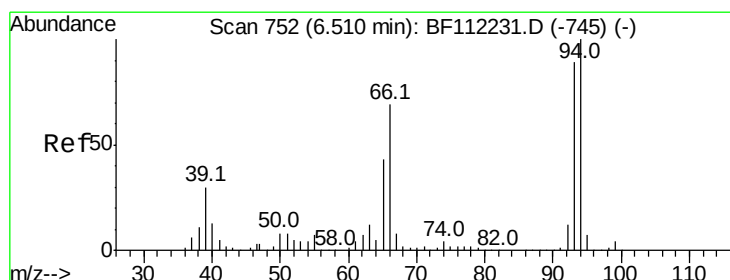
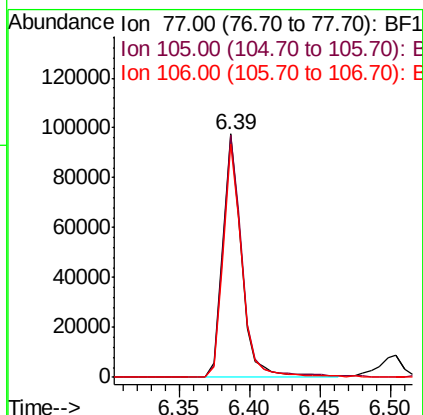
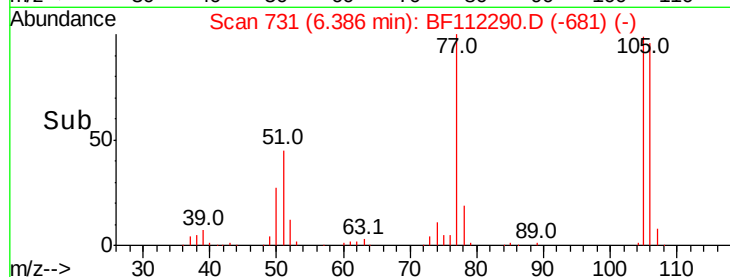
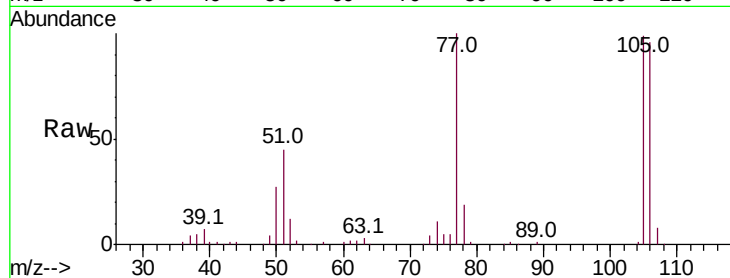
Tot Ion: 77 Resp: 90724

Ion Ratio Lower Upper

77 100

105 99.3 80.8 120.8

106 96.0 75.7 115.7



#10

Phenol

Concen: 39.647 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

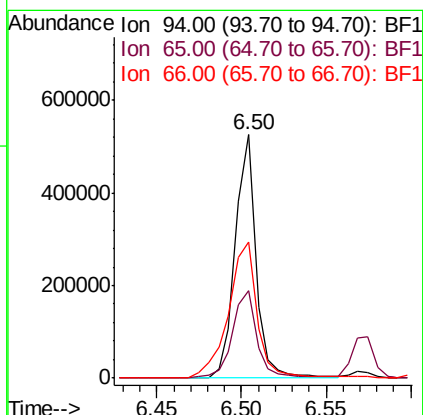
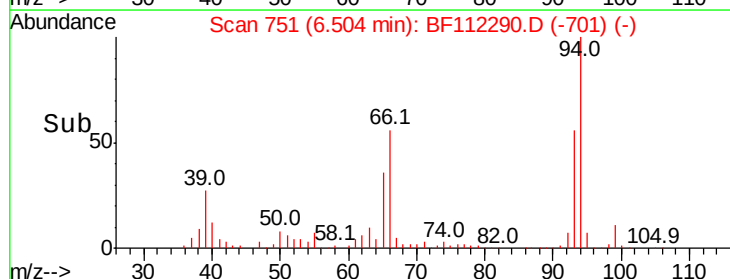
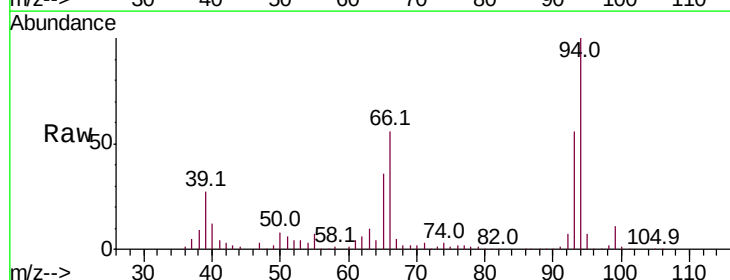
Tgt Ion: 94 Resp: 450417

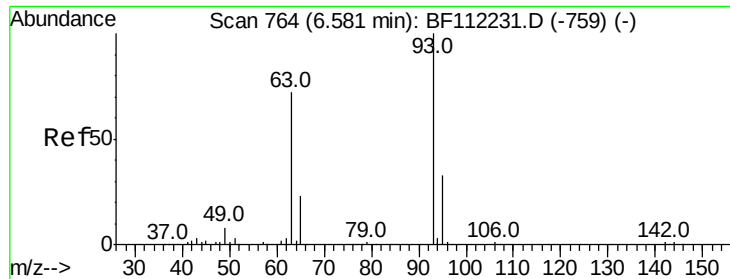
Ion Ratio Lower Upper

94 100

65 35.9 20.3 60.3

66 55.6 42.4 82.4

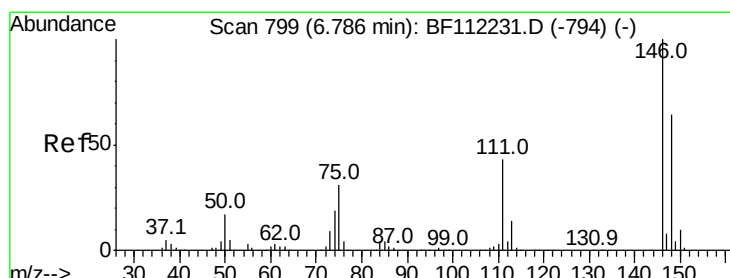
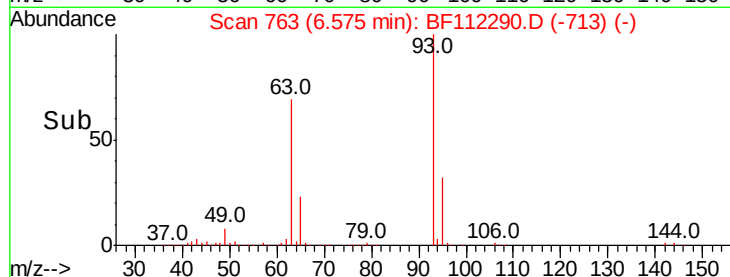
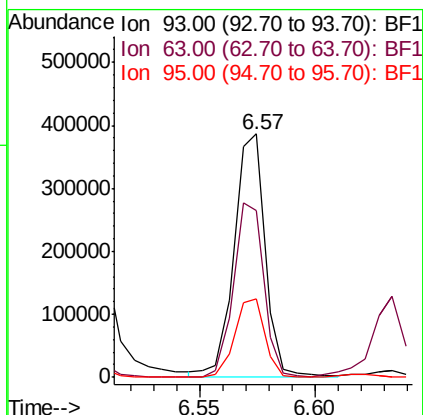
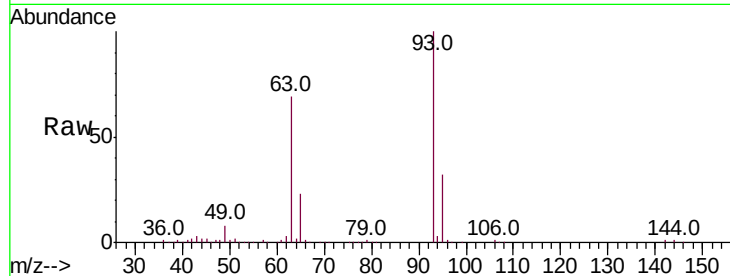




#11
bis(2-Chloroethyl)ether
Concen: 40.783 ng
RT: 6.57 min Scan# 763
Delta R.T. -0.01 min
Lab File: BF112290.D
Acq: 29 Jan 2019 12:57

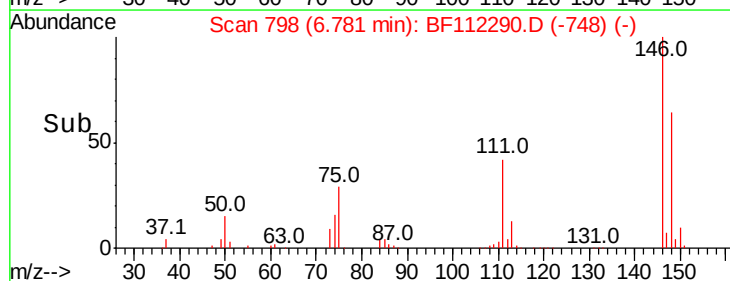
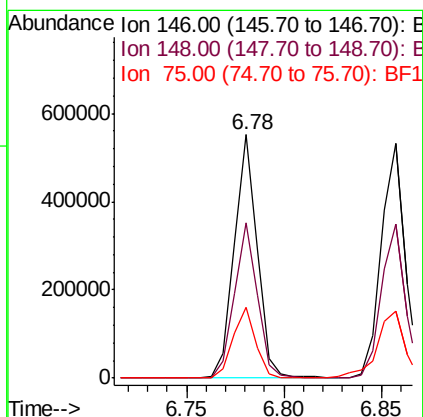
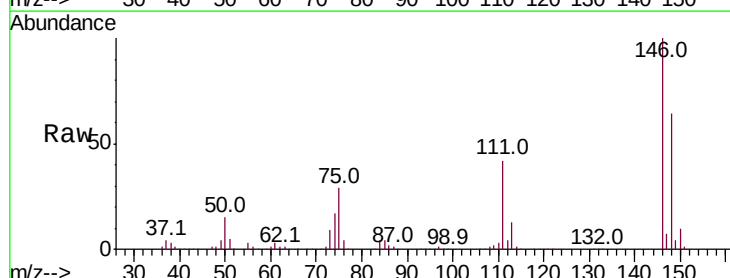
Instrument :
BNA_F
ClientSampleId :
PB116683BS

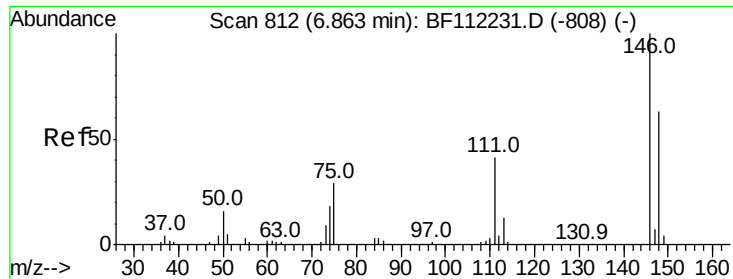
Tot Ion: 93 Resp: 364767
Ion Ratio Lower Upper
93 100
63 68.5 53.3 93.3
95 32.4 13.4 53.4



#12
1,3-Dichlorobenzene
Concen: 38.580 ng
RT: 6.78 min Scan# 798
Delta R.T. -0.01 min
Lab File: BF112290.D
Acq: 29 Jan 2019 12:57

Tgt Ion: 146 Resp: 450421
Ion Ratio Lower Upper
146 100
148 63.6 51.8 77.8
75 29.2 23.1 34.7

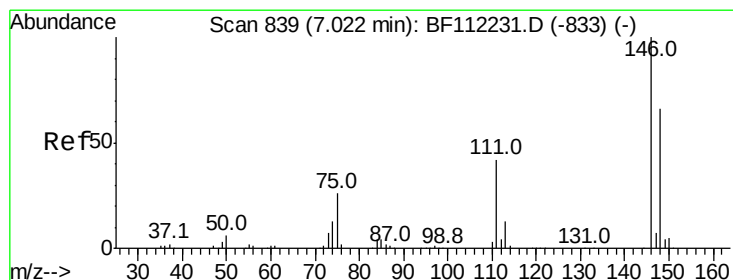
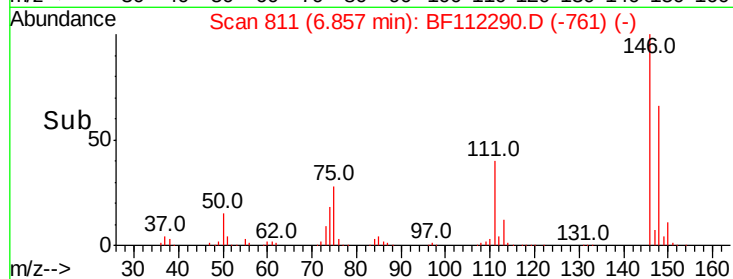
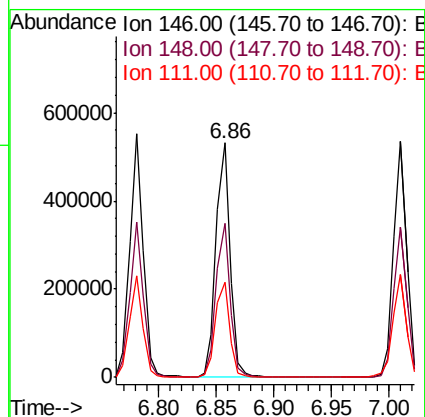
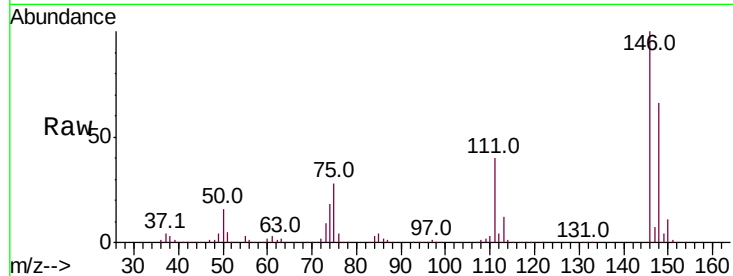




#13
 1,4-Dichlorobenzene
 Concen: 38.009 ng
 RT: 6.86 min Scan# 811
 Delta R.T. -0.01 min
 Lab File: BF112290.D
 Acq: 29 Jan 2019 12:57

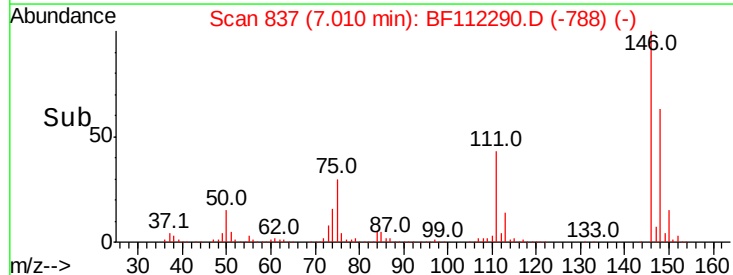
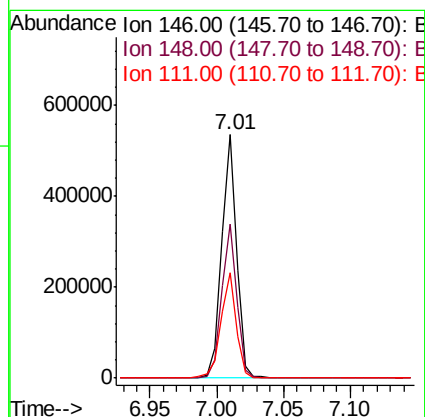
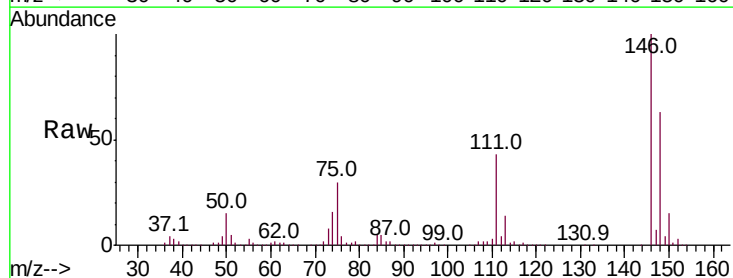
Instrument :
 BNA_F
 ClientSampleId :
 PB116683BS

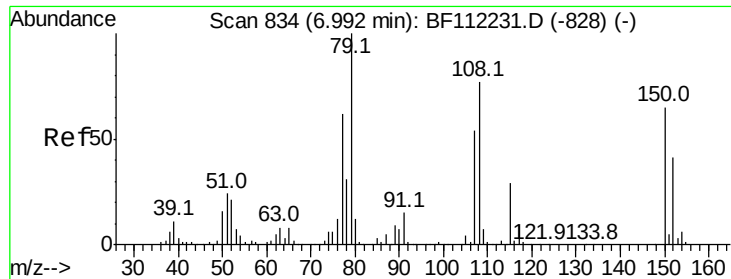
Tot Ion:146 Resp: 456695
 Ion Ratio Lower Upper
 146 100
 148 65.6 52.0 78.0
 111 40.4 31.2 46.8



#14
 1,2-Dichlorobenzene
 Concen: 37.921 ng
 RT: 7.01 min Scan# 837
 Delta R.T. -0.01 min
 Lab File: BF112290.D
 Acq: 29 Jan 2019 12:57

Tgt Ion:146 Resp: 426602
 Ion Ratio Lower Upper
 146 100
 148 63.4 52.2 78.4
 111 43.3 31.2 46.8

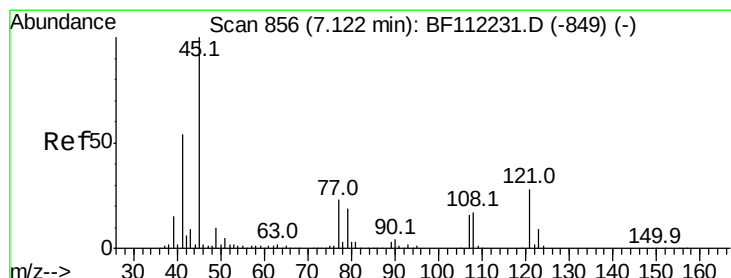
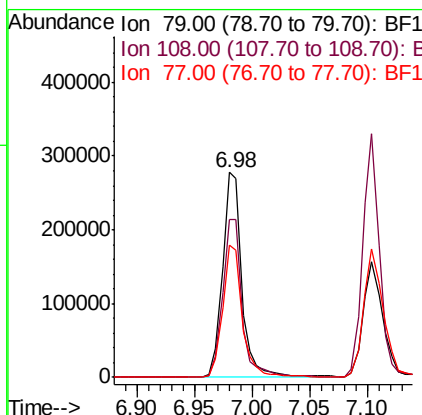
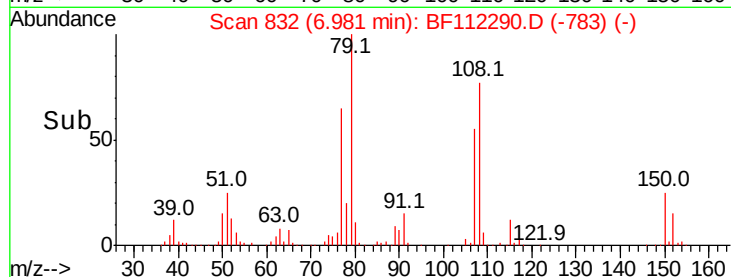
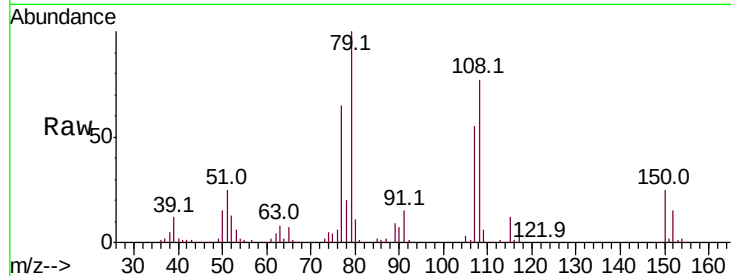




#15
Benzyl Alcohol
Concen: 37.018 ng
RT: 6.98 min Scan# 832
Delta R.T. -0.01 min
Lab File: BF112290.D
Acq: 29 Jan 2019 12:57

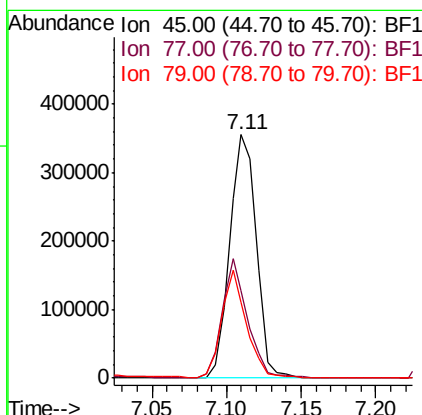
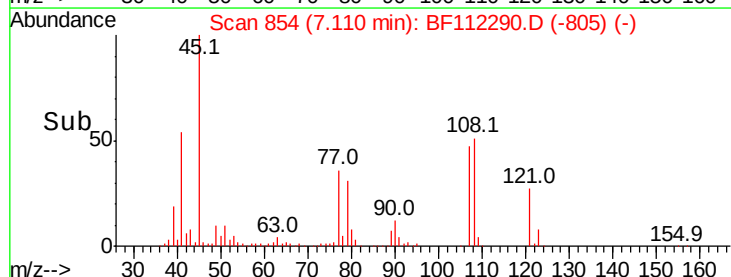
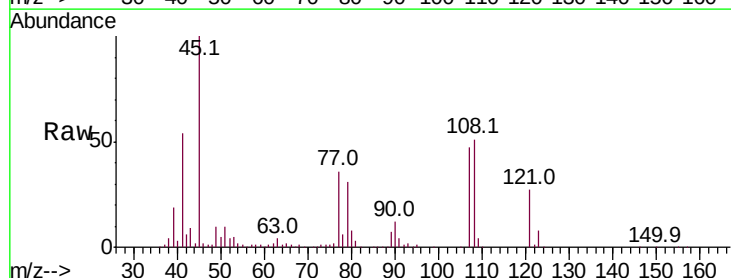
Instrument :
BNA_F
ClientSampleId :
PB116683BS

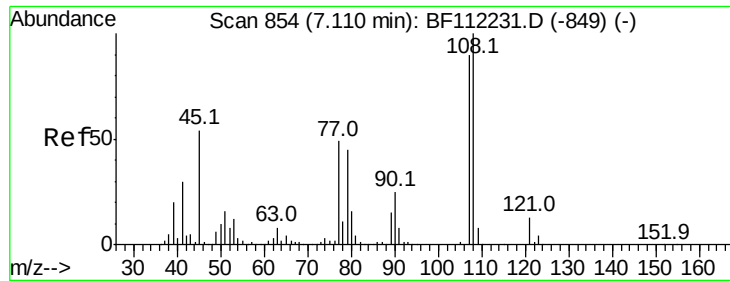
Tot Ion: 79 Resp: 323130
Ion Ratio Lower Upper
79 100
108 77.1 64.2 96.2
77 64.9 50.3 75.5



#16
2,2'-oxybis(1-chloropropane)
Concen: 38.783 ng
RT: 7.11 min Scan# 854
Delta R.T. -0.01 min
Lab File: BF112290.D
Acq: 29 Jan 2019 12:57

Tgt Ion: 45 Resp: 445377
Ion Ratio Lower Upper
45 100
77 35.7 0.0 36.9
79 31.4 0.0 34.0





#17

2-Methylphenol

Concen: 38.375 ng

RT: 7.10 min Scan# 853

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

Instrument :

BNA_F

ClientSampleId :

PB116683BS

Tot Ion:107 Resp: 304966

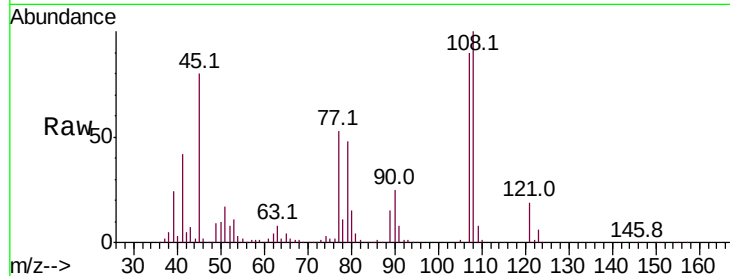
Ion Ratio Lower Upper

107 100

108 110.7 91.3 136.9

77 58.7 39.0 58.6#

79 52.8 37.0 55.4

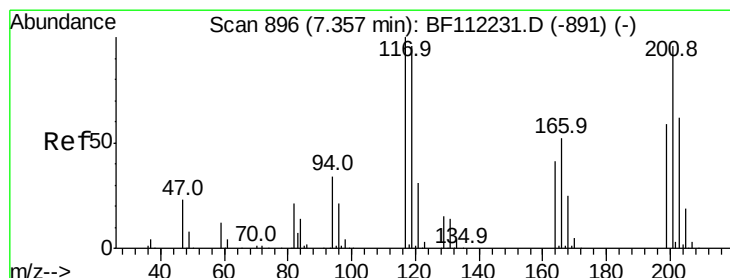
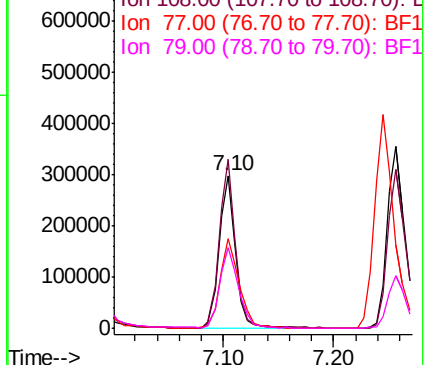
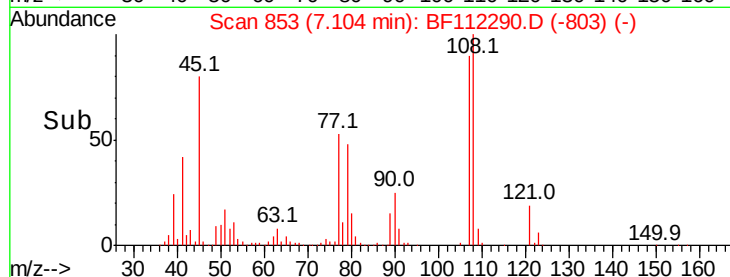


Abundance Ion 107.00 (106.70 to 107.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

Ion 79.00 (78.70 to 79.70): BF1



#18

Hexachloroethane

Concen: 38.805 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

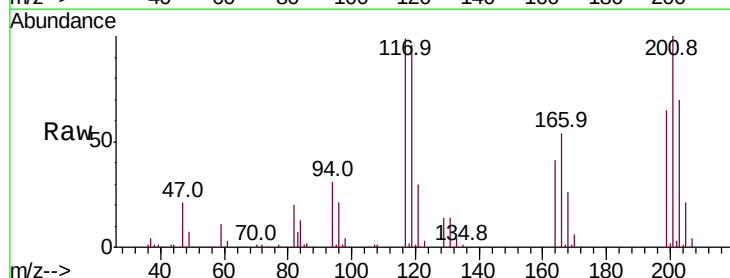
Tgt Ion:117 Resp: 163733

Ion Ratio Lower Upper

117 100

119 96.6 77.0 115.4

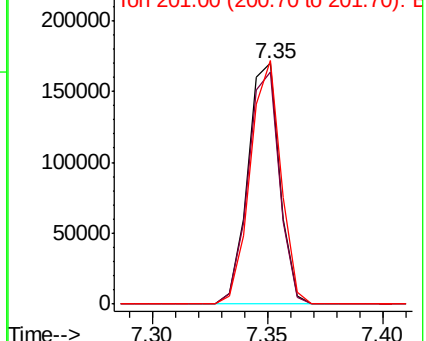
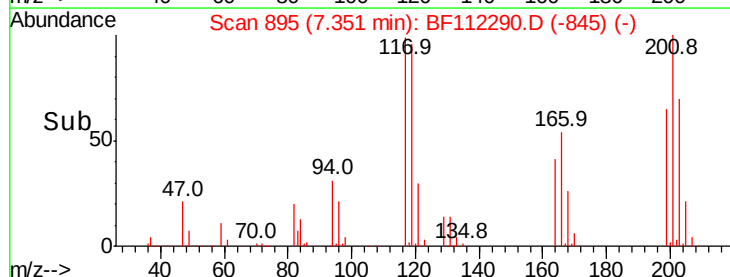
201 101.1 74.1 111.1

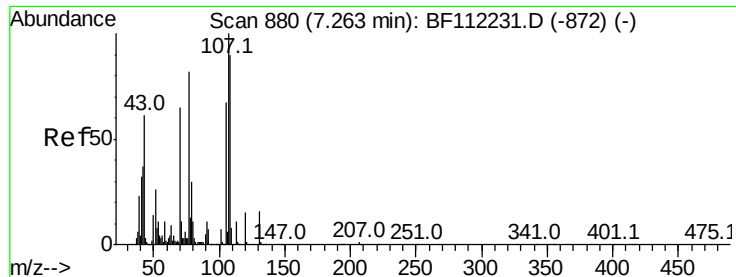


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E

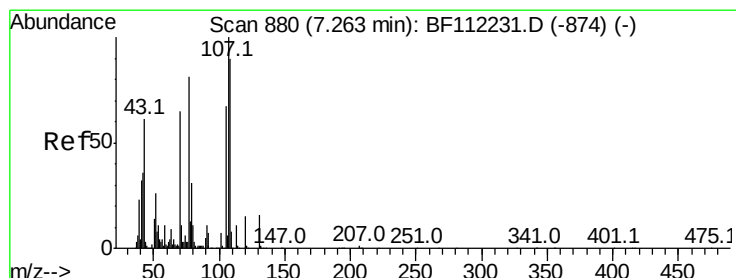
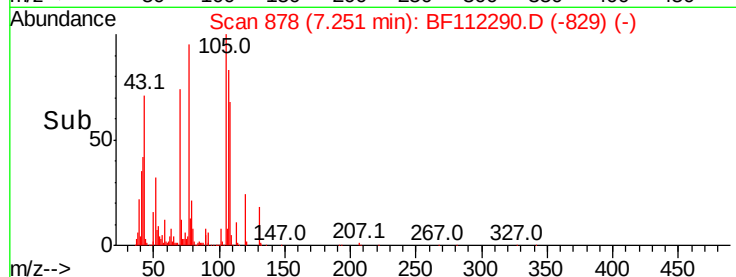
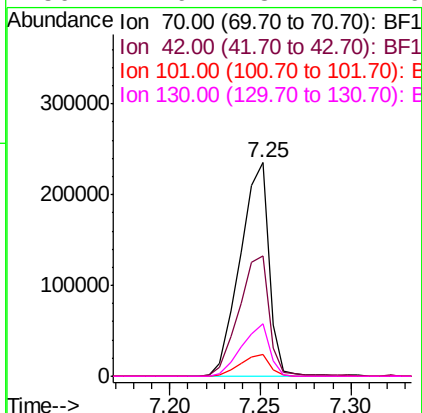
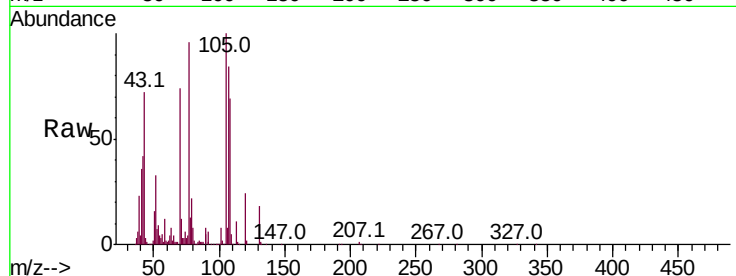




#19
n-Nitroso-di-n-propylamine
Concen: 36.539 ng
RT: 7.25 min Scan# 878
Delta R.T. -0.01 min
Lab File: BF112290.D
Acq: 29 Jan 2019 12:57

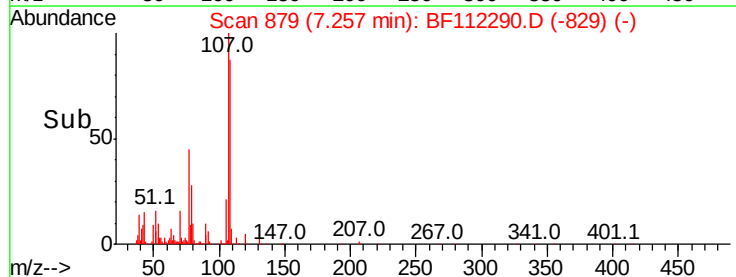
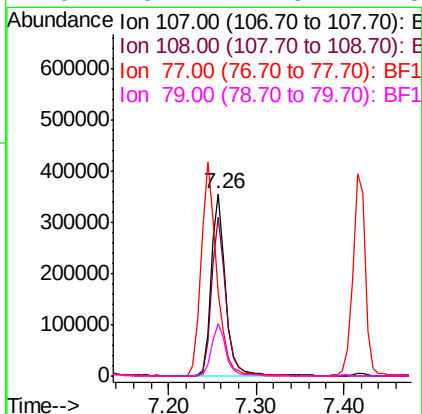
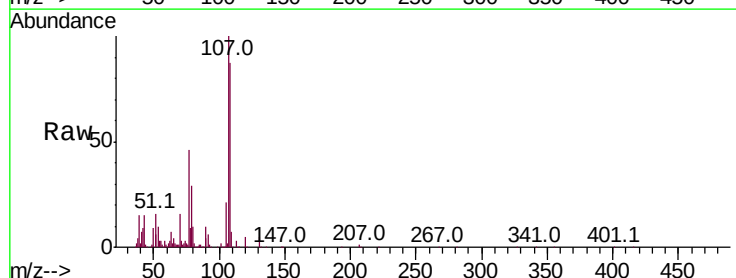
Instrument :
BNA_F
ClientSampleId :
PB116683BS

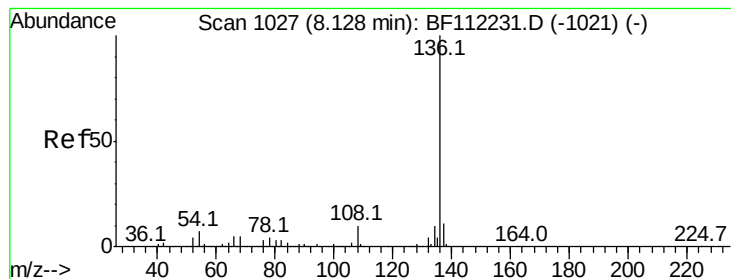
Tot Ion:	70	Resp:	260899
Ion	Ratio	Lower	Upper
70	100		
42	56.4	47.6	71.4
101	10.3	7.9	11.9
130	24.6	18.4	27.6



#20
3+4-Methylphenols
Concen: 39.172 ng
RT: 7.26 min Scan# 879
Delta R.T. -0.01 min
Lab File: BF112290.D
Acq: 29 Jan 2019 12:57

Tgt Ion:	107	Resp:	398080
Ion	Ratio	Lower	Upper
107	100		
108	87.3	68.2	108.2
77	46.0	100.7	140.7#
79	29.2	7.3	47.3





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.12 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

Instrument :

BNA_F

ClientSampleId :

PB116683BS

Tot Ion:136 Resp: 599827

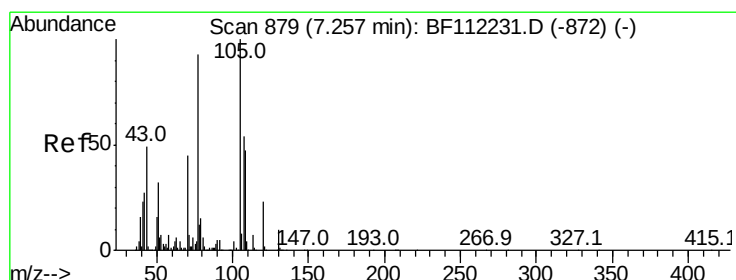
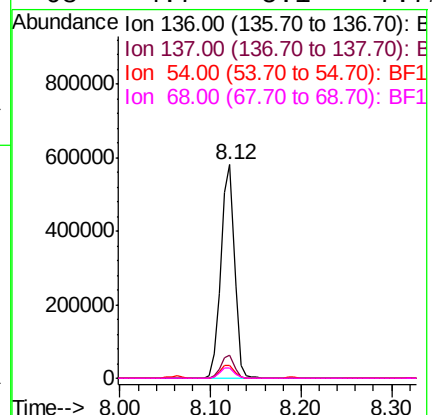
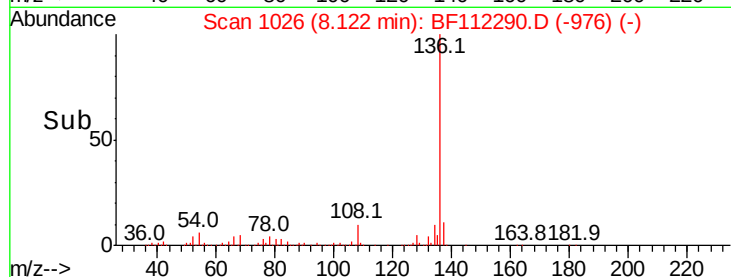
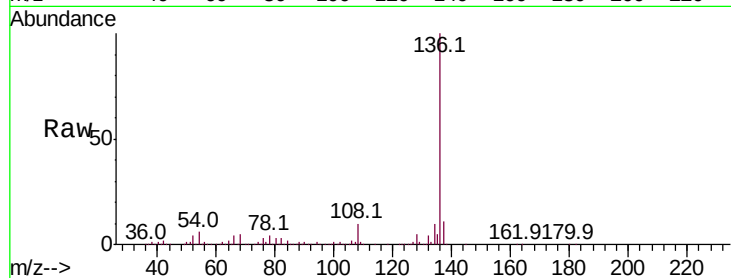
Ion Ratio Lower Upper

136 100

137 10.9 9.1 13.7

54 6.3 5.9 8.9

68 4.7 5.1 7.7#



#22

Acetophenone

Concen: 36.363 ng

RT: 7.25 min Scan# 877

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

Tgt Ion:105 Resp: 531106

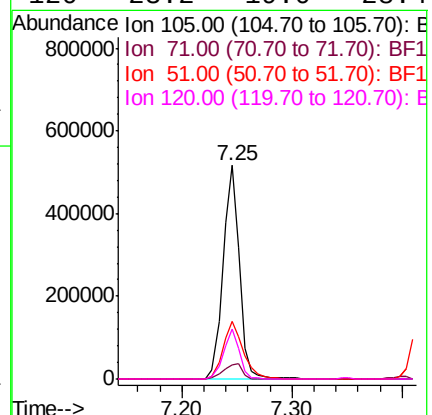
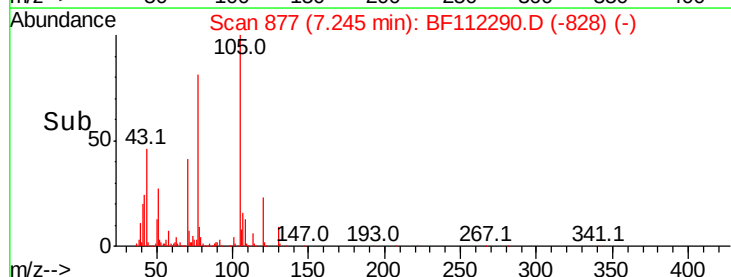
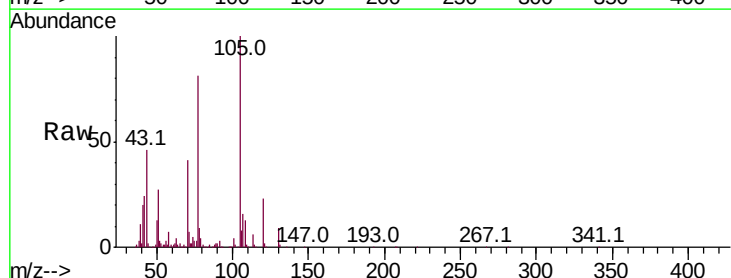
Ion Ratio Lower Upper

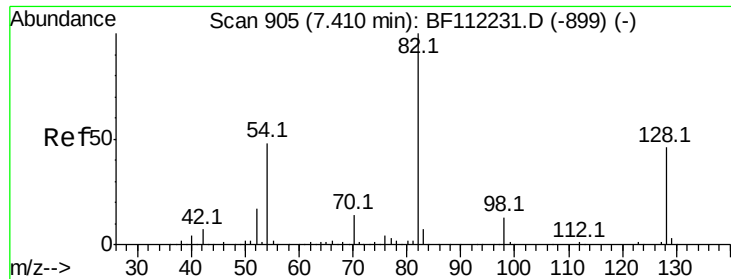
105 100

71 6.8 4.6 6.8

51 27.2 25.0 37.6

120 23.2 19.0 28.4

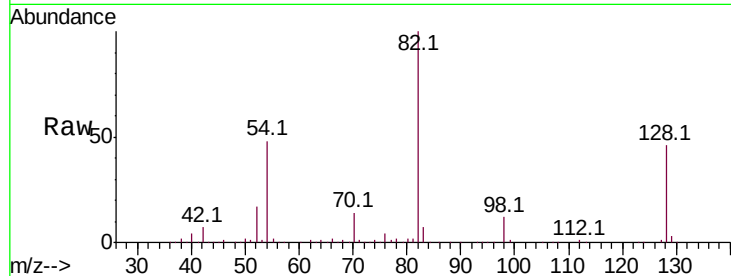




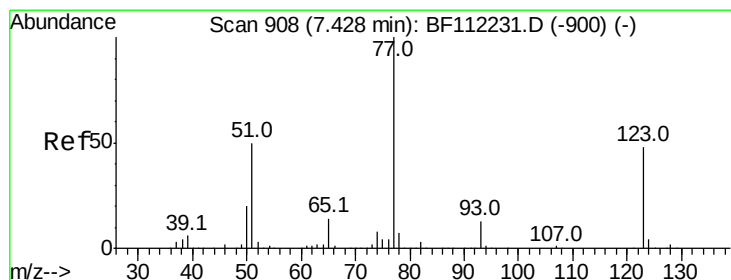
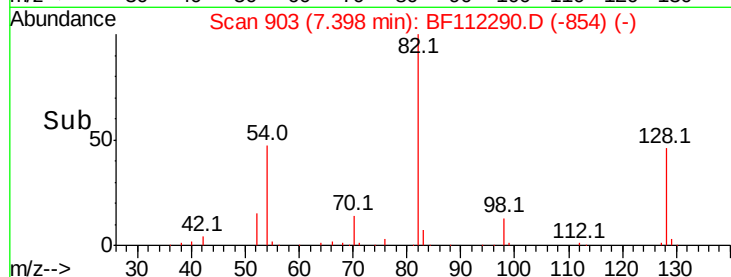
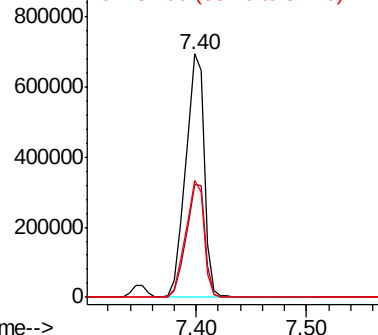
#23
 Nitrobenzene-d5
 Concen: 76.984 ng
 RT: 7.40 min Scan# 903
 Delta R.T. -0.01 min
 Lab File: BF112290.D
 Acq: 29 Jan 2019 12:57

Instrument :
 BNA_F
 ClientSampleId :
 PB116683BS

Tot Ion: 82 Resp: 801414
 Ion Ratio Lower Upper
 82 100
 128 46.2 37.8 56.8
 54 48.1 39.7 59.5

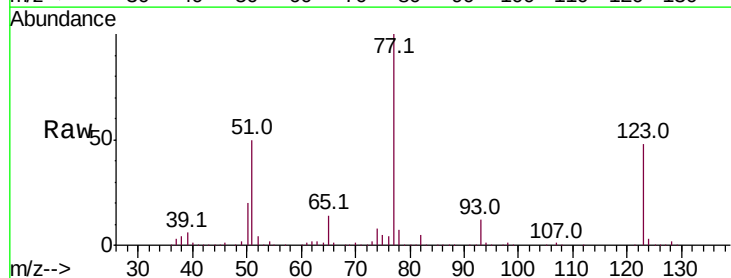


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

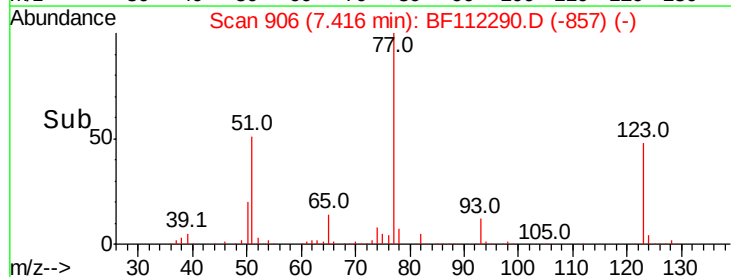
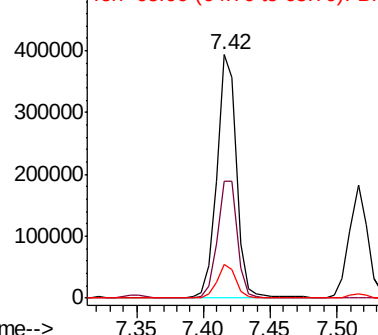


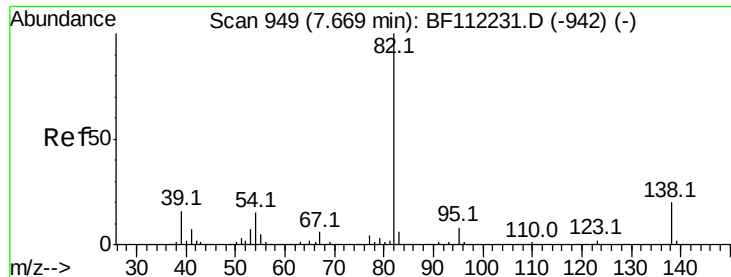
#24
 Nitrobenzene
 Concen: 37.914 ng
 RT: 7.42 min Scan# 906
 Delta R.T. -0.01 min
 Lab File: BF112290.D
 Acq: 29 Jan 2019 12:57

Tgt Ion: 77 Resp: 394180
 Ion Ratio Lower Upper
 77 100
 123 47.9 38.4 57.6
 65 13.6 10.6 15.8



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: 42.171 ng

RT: 7.66 min Scan# 947

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

Instrument :

BNA_F

ClientSampleId :

PB116683BS

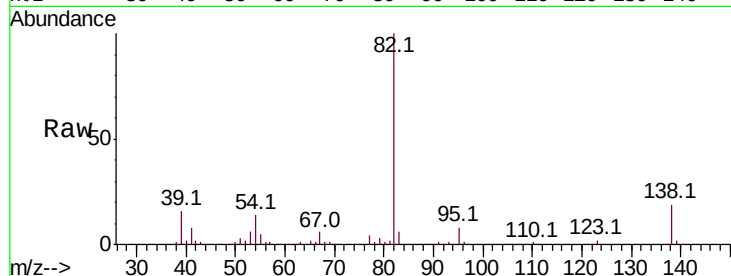
Tot Ion: 82 Resp: 688707

Ion Ratio Lower Upper

82 100

95 7.6 5.7 8.5

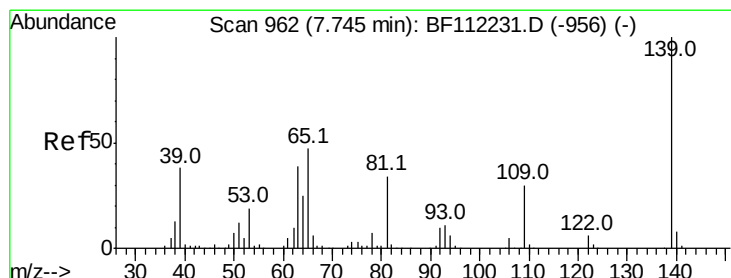
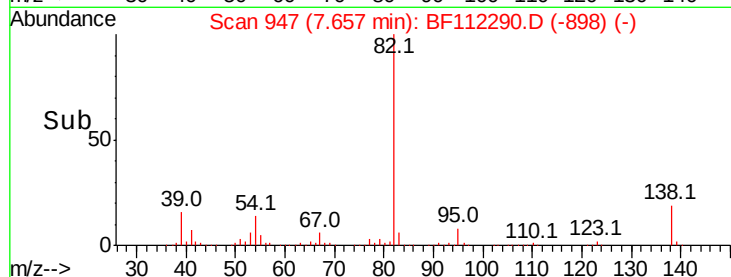
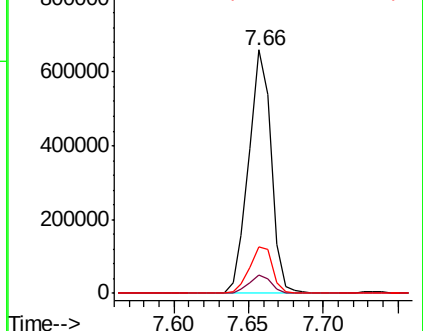
138 18.9 15.4 23.0



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#26

2-Nitrophenol

Concen: 38.655 ng

RT: 7.74 min Scan# 961

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

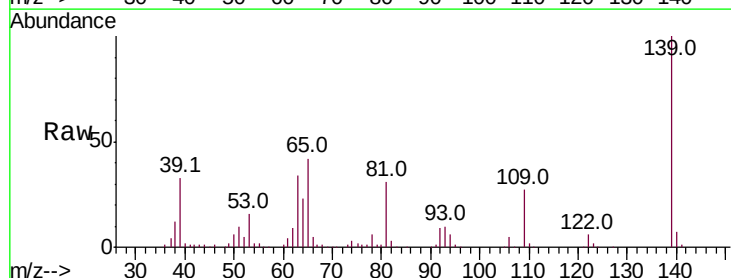
Tgt Ion: 139 Resp: 214770

Ion Ratio Lower Upper

139 100

109 27.3 20.8 31.2

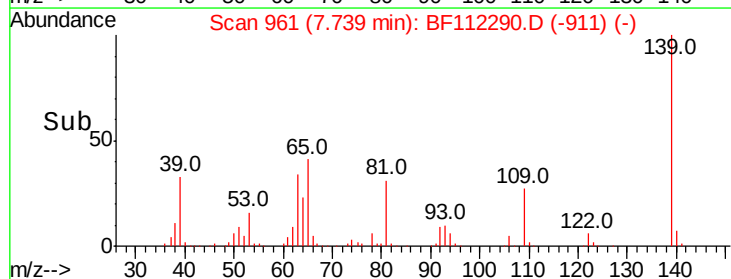
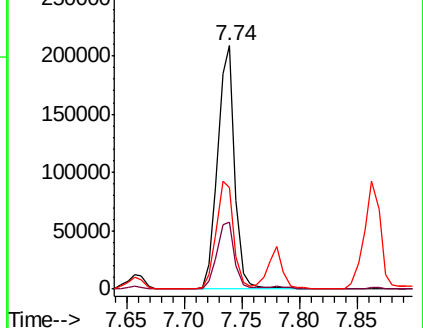
65 41.7 34.4 51.6

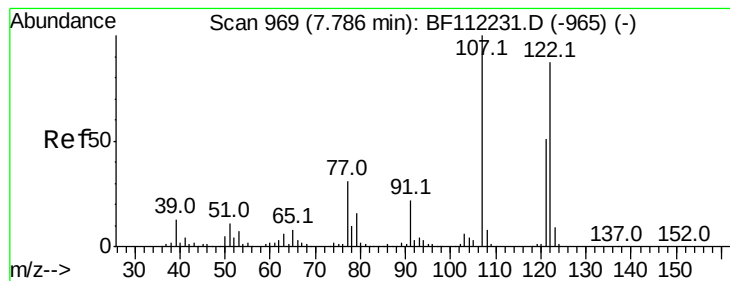


Abundance Ion 139.00 (138.70 to 139.70): BF1

Ion 109.00 (108.70 to 109.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#27

2,4-Dimethylphenol

Concen: 43.331 ng

RT: 7.78 min Scan# 968

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

Instrument :

BNA_F

ClientSampleId :

PB116683BS

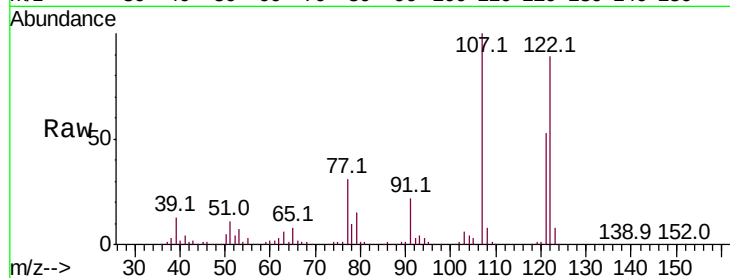
Tot Ion:122 Resp: 331703

Ion Ratio Lower Upper

122 100

107 112.5 85.4 128.0

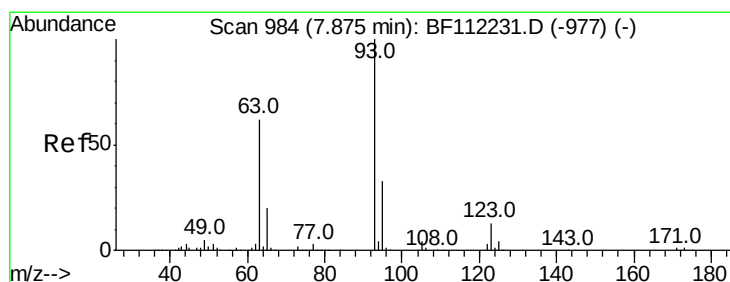
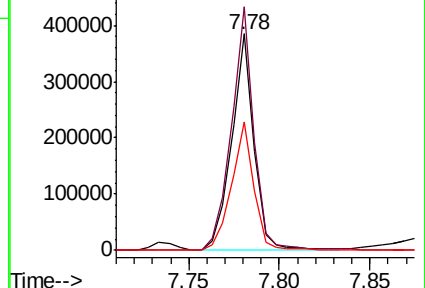
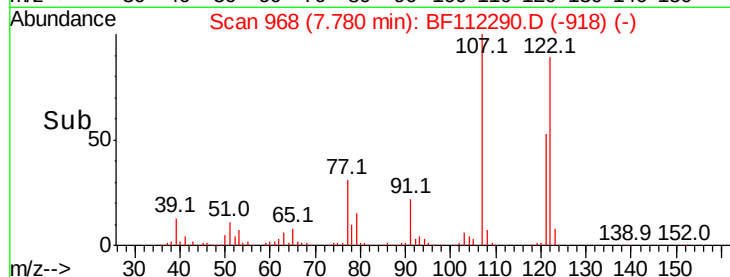
121 59.3 47.0 70.4



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 107.00 (106.70 to 107.70): E

Ion 121.00 (120.70 to 121.70): E



#28

bis(2-Chloroethoxy)methane

Concen: 39.670 ng

RT: 7.86 min Scan# 982

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

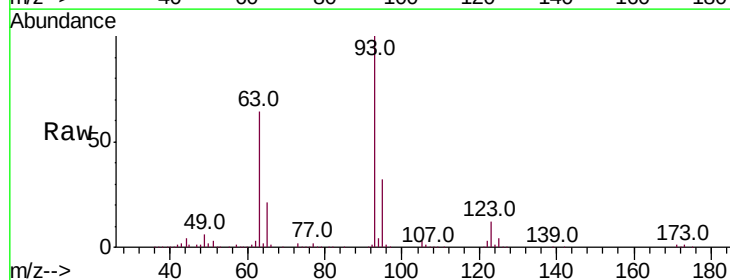
Tgt Ion: 93 Resp: 441134

Ion Ratio Lower Upper

93 100

95 32.4 26.8 40.2

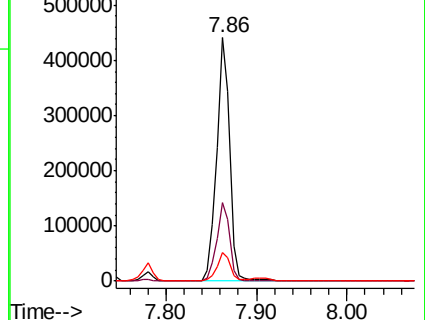
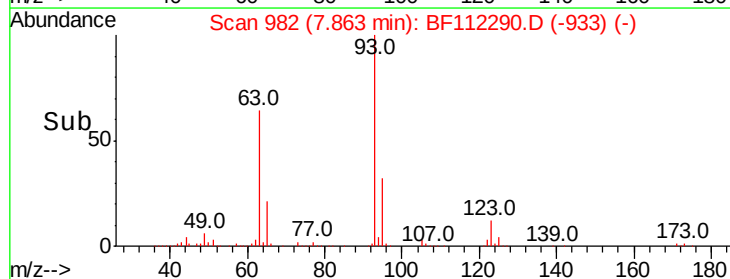
123 12.0 10.2 15.2

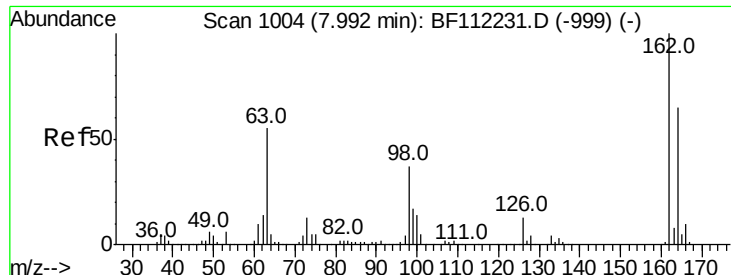


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E

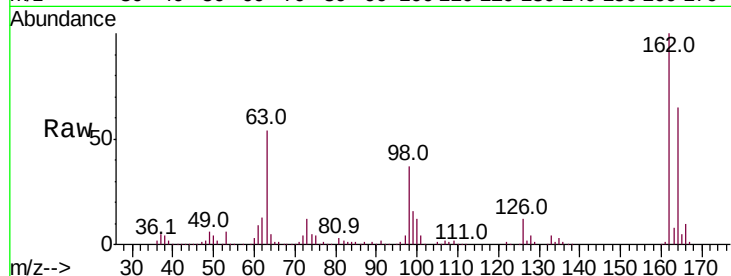




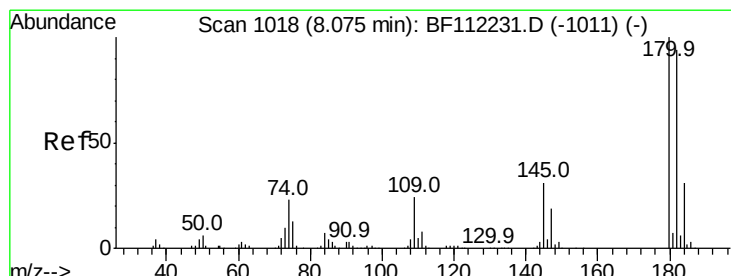
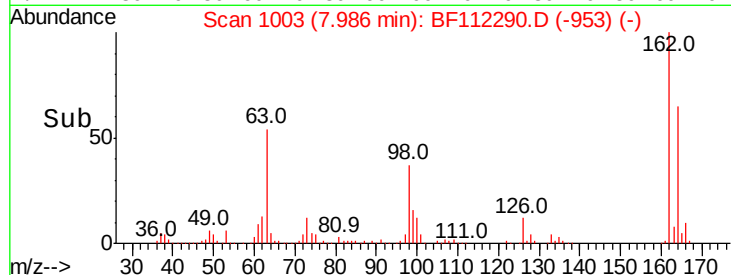
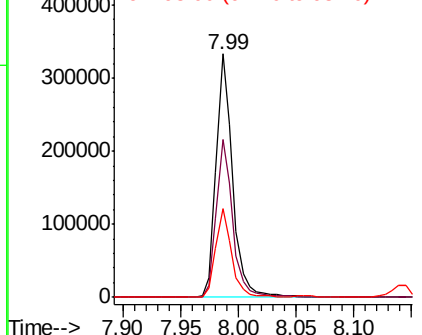
#29
 2,4-Dichlorophenol
 Concen: 38.730 ng
 RT: 7.99 min Scan# 1003
 Delta R.T. -0.01 min
 Lab File: BF112290.D
 Acq: 29 Jan 2019 12:57

Instrument :
 BNA_F
 ClientSampleId :
 PB116683BS

Tot Ion	Ratio	Lower	Upper
162	100		
164	64.7	44.6	84.6
98	36.7	14.6	54.6

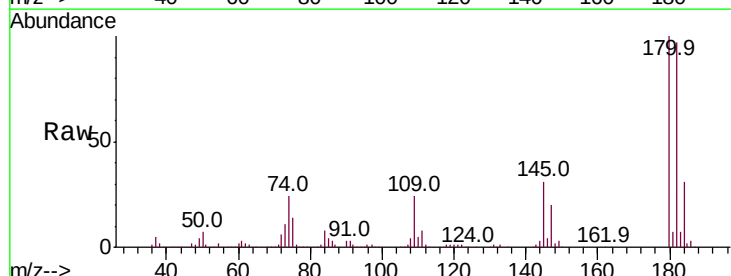


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 164.00 (163.70 to 164.70): E
 Ion 98.00 (97.70 to 98.70): BF1

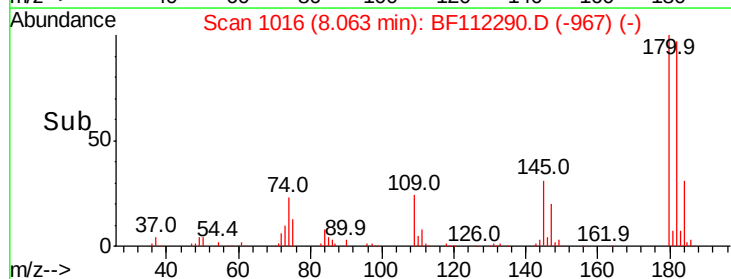
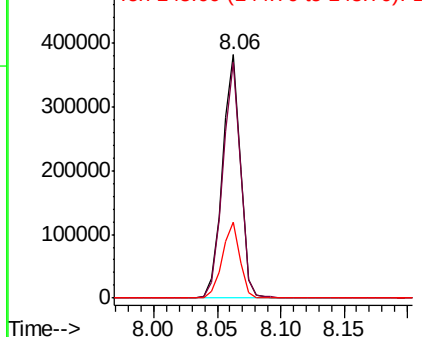


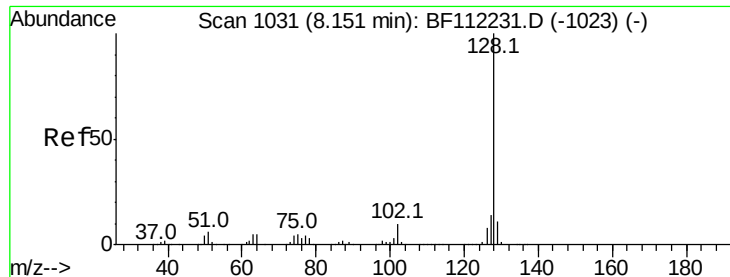
#30
 1,2,4-Trichlorobenzene
 Concen: 38.437 ng
 RT: 8.06 min Scan# 1016
 Delta R.T. -0.01 min
 Lab File: BF112290.D
 Acq: 29 Jan 2019 12:57

Tgt Ion	Ratio	Lower	Upper
180	100		
182	97.1	76.4	114.6
145	31.3	25.0	37.4



Abundance Ion 180.00 (179.70 to 180.70): E
 Ion 182.00 (181.70 to 182.70): E
 Ion 145.00 (144.70 to 145.70): E

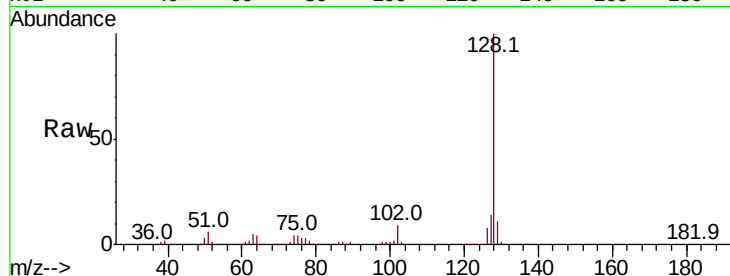




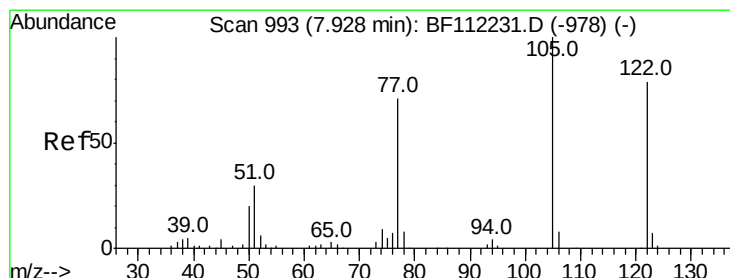
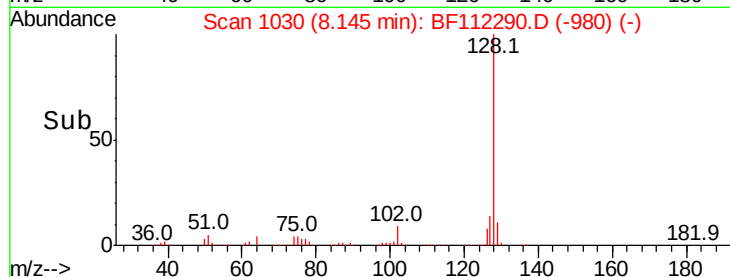
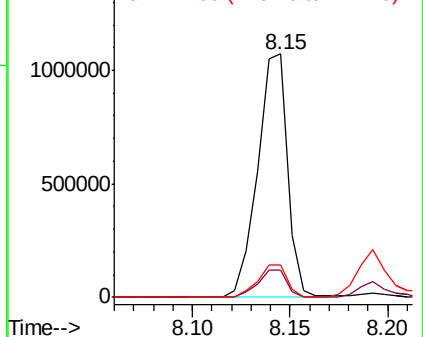
#31
Naphthalene
Concen: 40.705 ng
RT: 8.15 min Scan# 1030
Delta R.T. -0.01 min
Lab File: BF112290.D
Acq: 29 Jan 2019 12:57

Instrument :
BNA_F
ClientSampleId :
PB116683BS

Tot Ion:128 Resp: 1141801
Ion Ratio Lower Upper
128 100
129 11.0 9.6 14.4
127 13.6 11.1 16.7

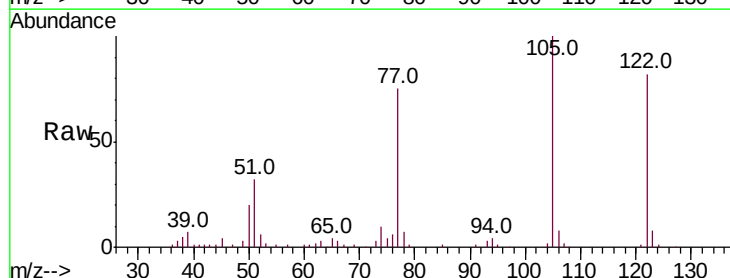


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

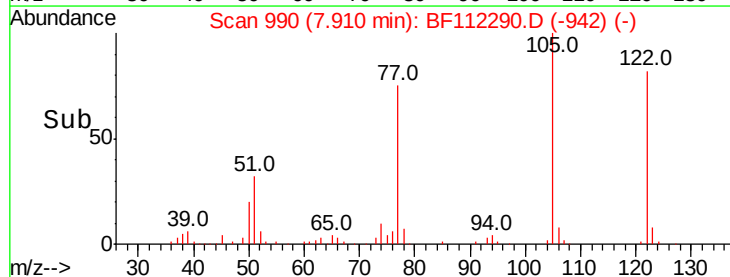
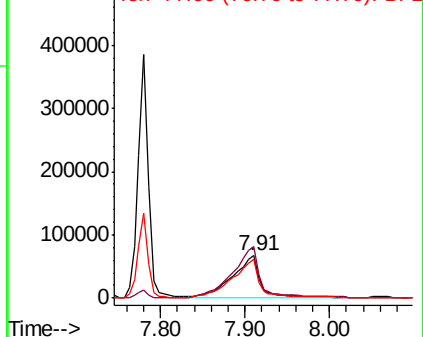


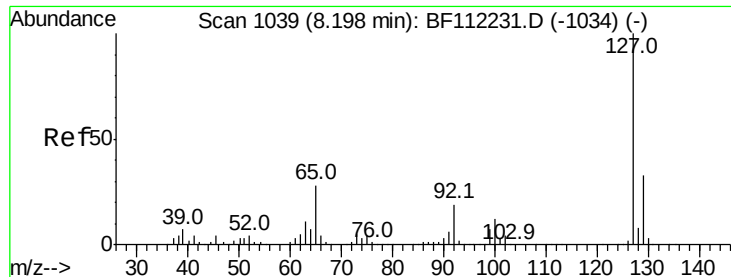
#32
Benzoic acid
Concen: 34.313 ng
RT: 7.91 min Scan# 990
Delta R.T. -0.02 min
Lab File: BF112290.D
Acq: 29 Jan 2019 12:57

Tgt Ion:122 Resp: 149831
Ion Ratio Lower Upper
122 100
105 122.2 101.2 141.2
77 92.0 70.4 110.4



Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

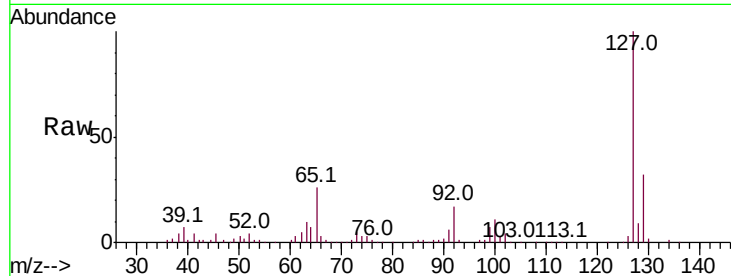




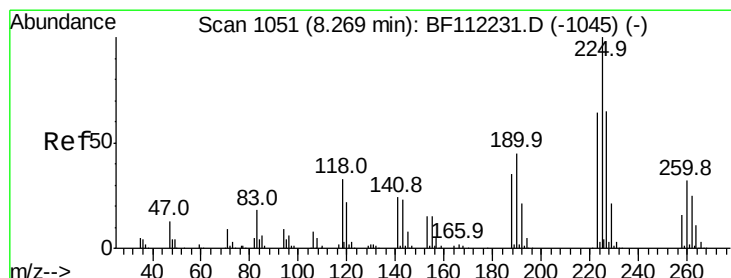
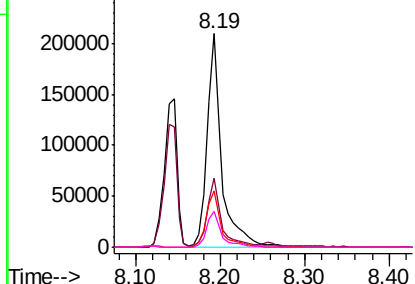
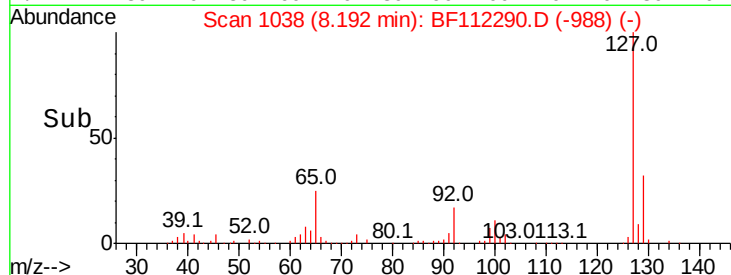
#33
4-Chloroaniline
Concen: 20.488 ng
RT: 8.19 min Scan# 1038
Delta R.T. -0.01 min
Lab File: BF112290.D
Acq: 29 Jan 2019 12:57

Instrument :
BNA_F
ClientSampleId :
PB116683BS

Tot Ion:	127	Resp:	250233
Ion	Ratio	Lower	Upper
127	100		
129	32.2	26.6	39.8
65	26.4	21.4	32.2
92	17.1	14.2	21.2

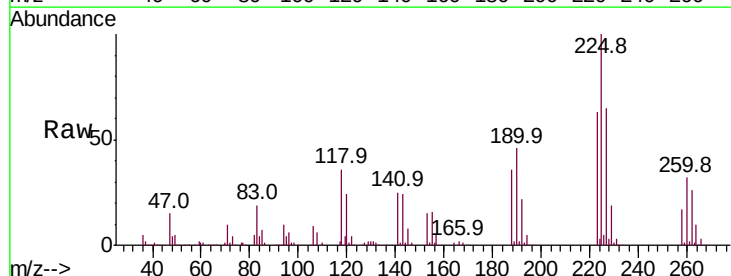


Abundance Ion 127.00 (126.70 to 127.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 65.00 (64.70 to 65.70): BF1
Ion 92.00 (91.70 to 92.70): BF1

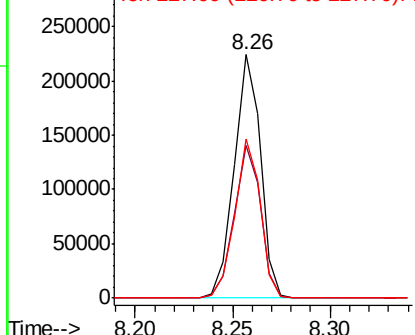
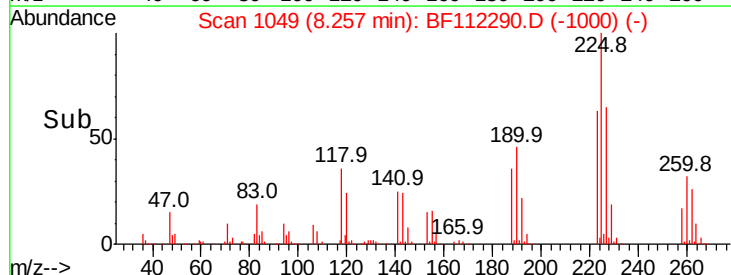


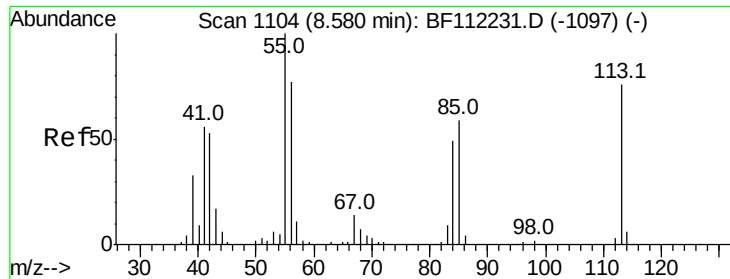
#34
Hexachlorobutadiene
Concen: 36.193 ng
RT: 8.26 min Scan# 1049
Delta R.T. -0.01 min
Lab File: BF112290.D
Acq: 29 Jan 2019 12:57

Tgt Ion:	225	Resp:	209137
Ion	Ratio	Lower	Upper
225	100		
223	62.7	50.3	75.5
227	65.2	51.8	77.8



Abundance Ion 225.00 (224.70 to 225.70): E
Ion 223.00 (222.70 to 223.70): E
Ion 227.00 (226.70 to 227.70): E

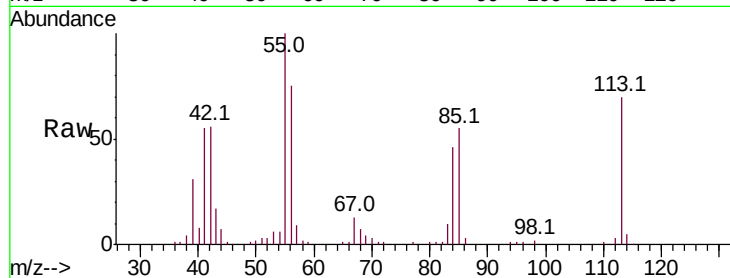




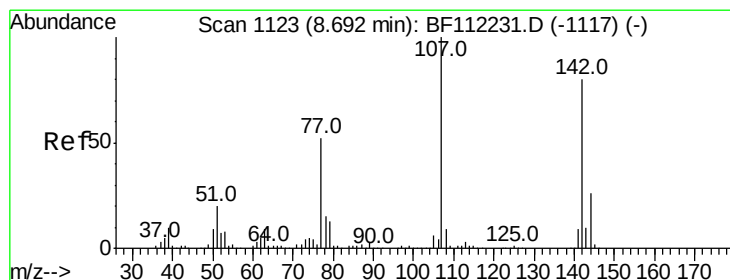
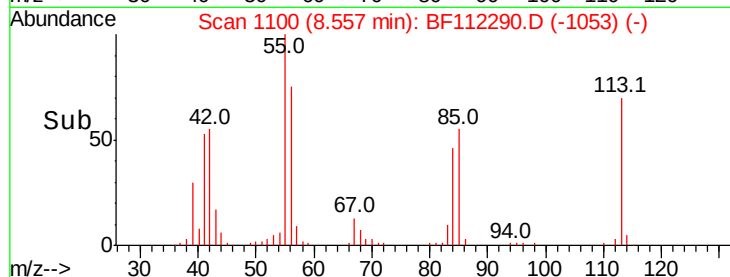
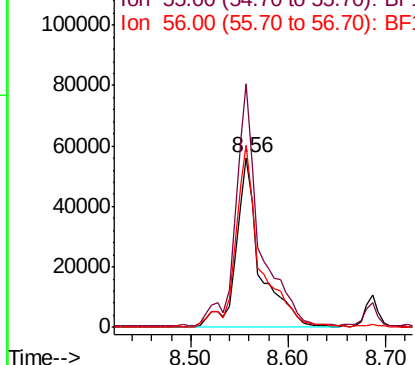
#35
 Caprolactam
 Concen: 31.972 ng
 RT: 8.56 min Scan# 1100
 Delta R.T. -0.02 min
 Lab File: BF112290.D
 Acq: 29 Jan 2019 12:57

Instrument :
 BNA_F
 ClientSampleId :
 PB116683BS

Tot Ion:113 Resp: 96621
 Ion Ratio Lower Upper
 113 100
 55 143.4 121.6 161.6
 56 107.4 86.7 126.7

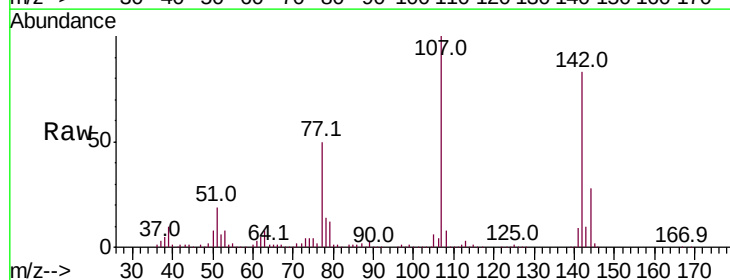


Abundance Ion 113.00 (112.70 to 113.70): E
 Ion 55.00 (54.70 to 55.70): BF1
 Ion 56.00 (55.70 to 56.70): BF1

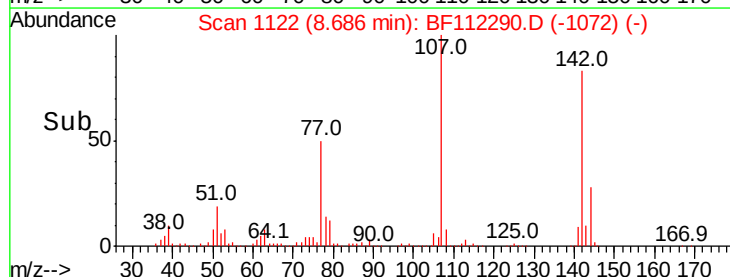
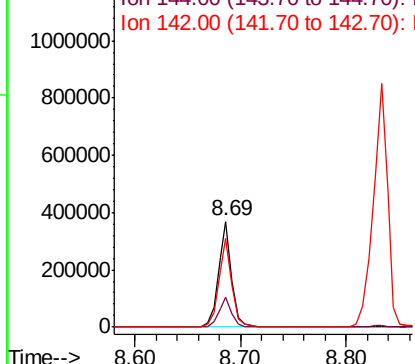


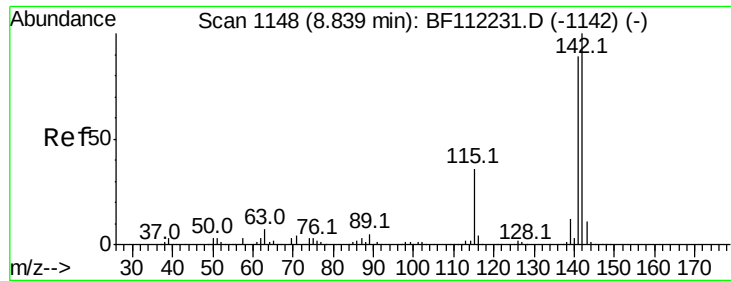
#36
 4-Chloro-3-methylphenol
 Concen: 35.961 ng
 RT: 8.69 min Scan# 1122
 Delta R.T. -0.01 min
 Lab File: BF112290.D
 Acq: 29 Jan 2019 12:57

Tgt Ion:107 Resp: 326121
 Ion Ratio Lower Upper
 107 100
 144 27.8 22.2 33.2
 142 83.3 67.7 101.5



Abundance Ion 107.00 (106.70 to 107.70): E
 Ion 144.00 (143.70 to 144.70): E
 Ion 142.00 (141.70 to 142.70): E

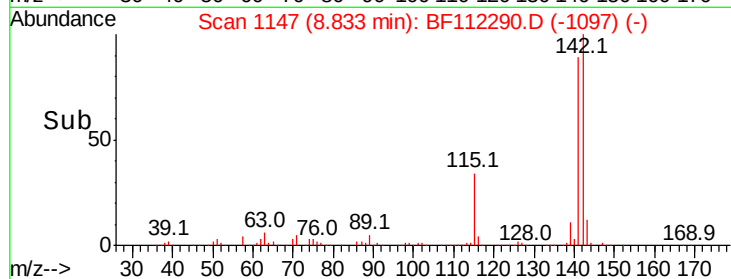
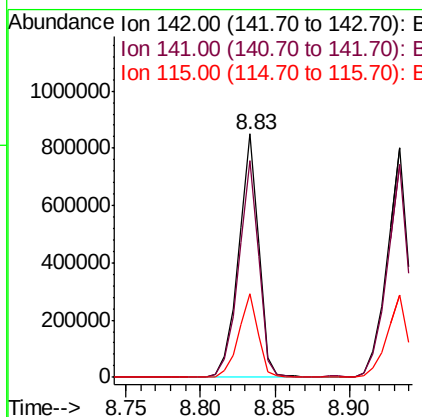
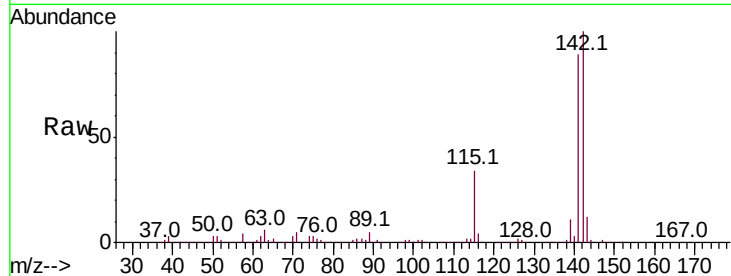




#37
 2-Methylnaphthalene
 Concen: 41.452 ng
 RT: 8.83 min Scan# 1147
 Delta R.T. -0.01 min
 Lab File: BF112290.D
 Acq: 29 Jan 2019 12:57

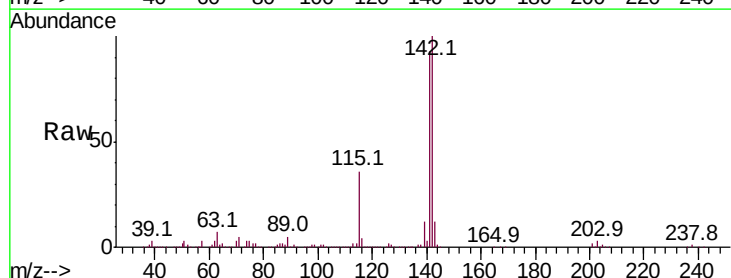
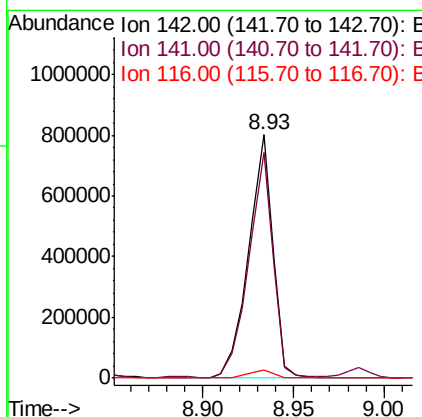
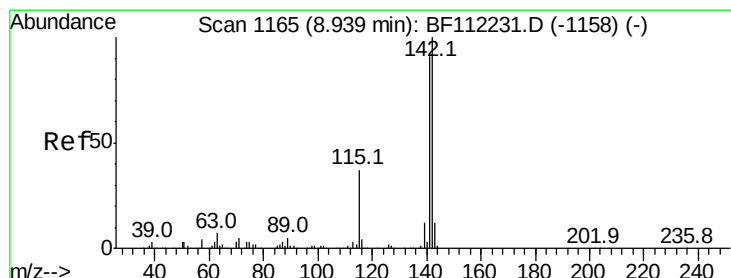
Instrument :
 BNA_F
 ClientSampleId :
 PB116683BS

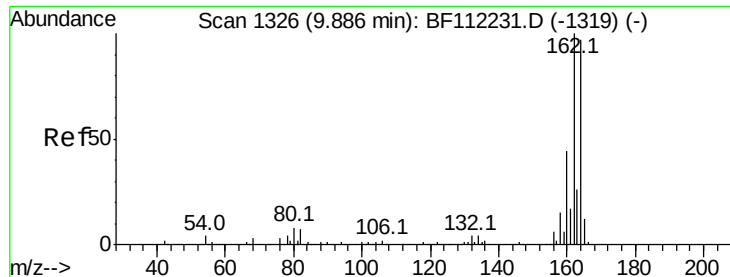
Tot Ion	Ratio	Lower	Upper
142	100		
141	89.0	70.9	106.3
115	34.3	24.9	37.3



#38
 1-Methylnaphthalene
 Concen: 40.409 ng
 RT: 8.93 min Scan# 1164
 Delta R.T. -0.01 min
 Lab File: BF112290.D
 Acq: 29 Jan 2019 12:57

Tgt Ion	Ratio	Lower	Upper
142	100		
141	92.9	72.6	108.8
116	3.5	2.8	4.2





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.87 min Scan# 1324

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

Instrument :

BNA_F

ClientSampleId :

PB116683BS

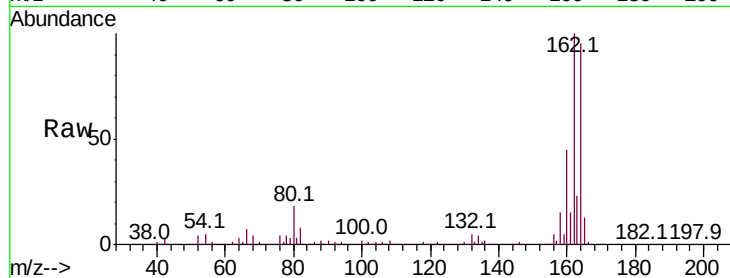
Tot Ion:164 Resp: 284239

Ion Ratio Lower Upper

164 100

162 105.6 82.2 123.4

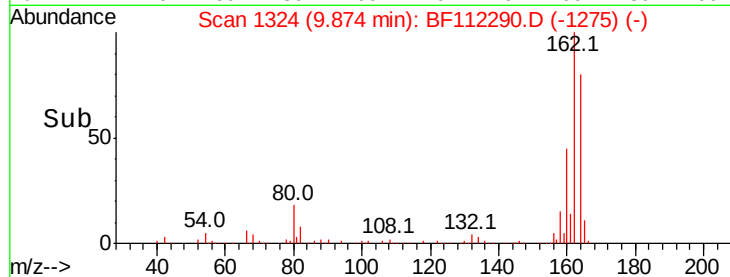
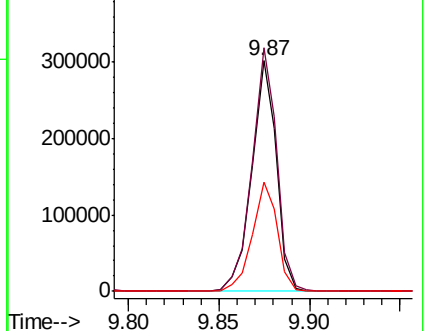
160 47.2 36.2 54.4



Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E



#40

1,2,4,5-Tetrachlorobenzene

Concen: 38.670 ng

RT: 9.00 min Scan# 1176

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

Tgt Ion:216 Resp: 360886

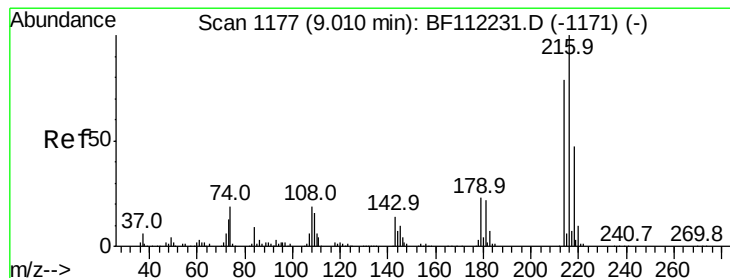
Ion Ratio Lower Upper

216 100

214 78.9 63.8 95.6

179 21.9 16.9 25.3

108 19.3 14.2 21.4

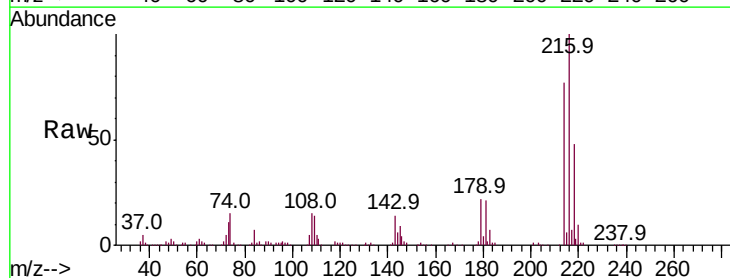
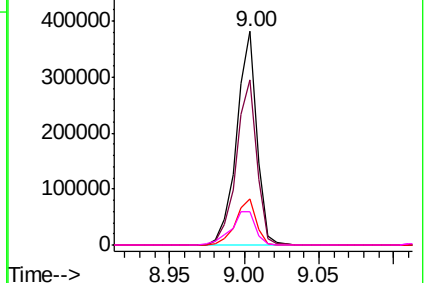


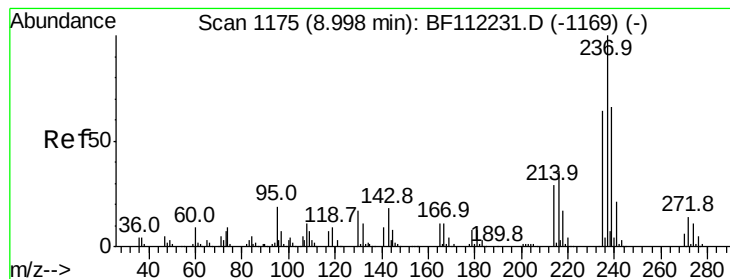
Abundance Ion 216.00 (215.70 to 216.70): E

Ion 214.00 (213.70 to 214.70): E

Ion 179.00 (178.70 to 179.70): E

Ion 108.00 (107.70 to 108.70): E





#41

Hexachlorocyclopentadiene

Concen: 66.653 ng

RT: 8.99 min Scan# 1173

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

Instrument :

BNA_F

ClientSampleId :

PB116683BS

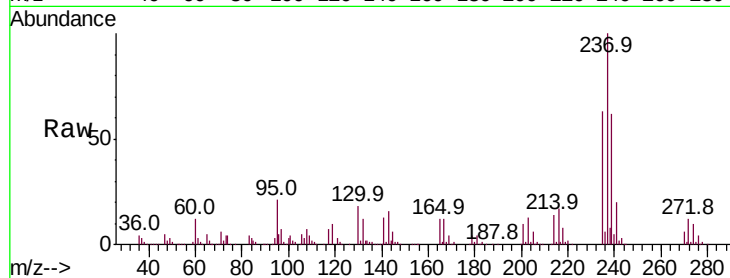
Tot Ion:237 Resp: 229385

Ion Ratio Lower Upper

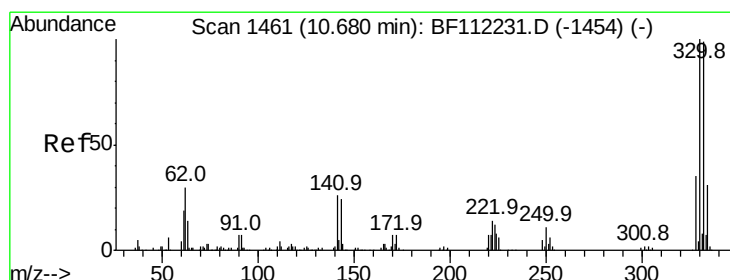
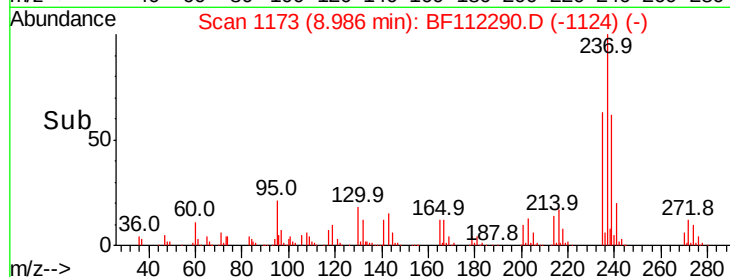
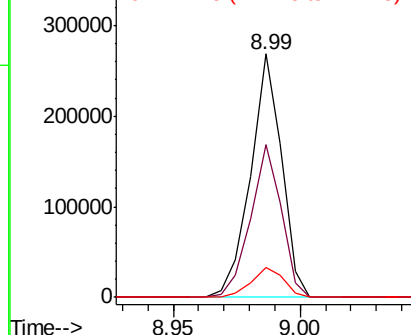
237 100

235 62.5 44.0 84.0

272 12.0 0.0 33.3



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: 120.596 ng

RT: 10.67 min Scan# 1459

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

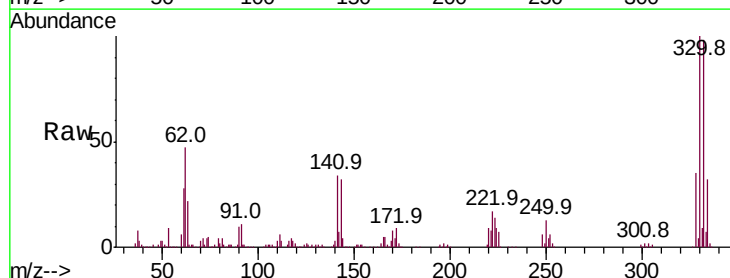
Tgt Ion:330 Resp: 398986

Ion Ratio Lower Upper

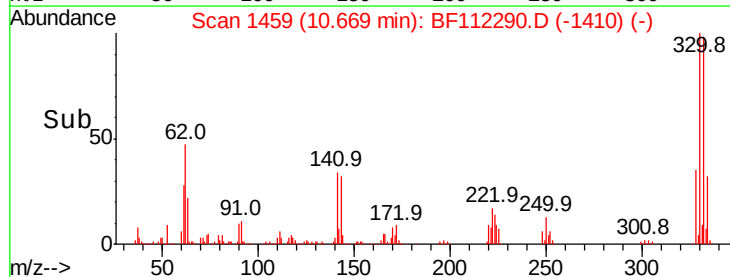
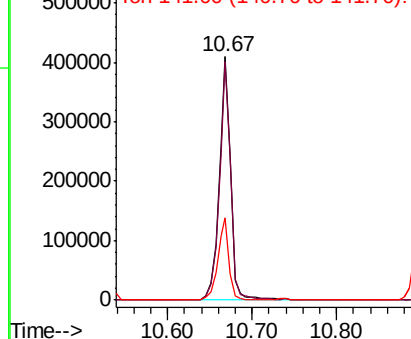
330 100

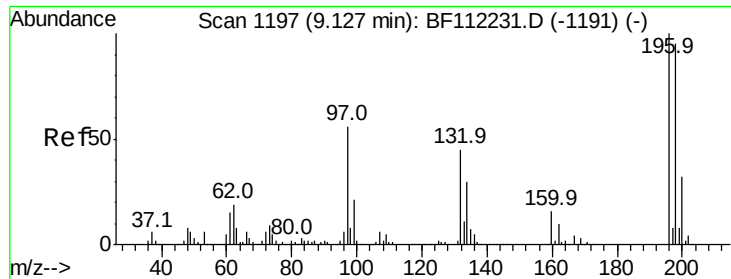
332 97.0 76.6 114.8

141 32.9 24.3 36.5



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

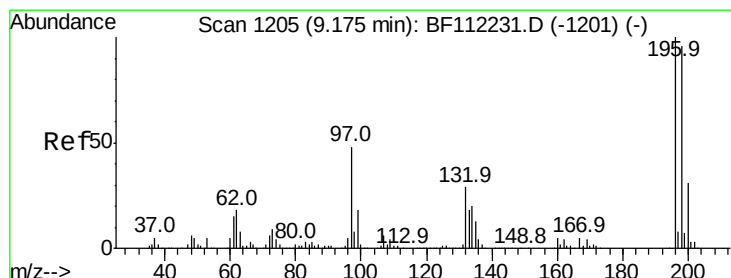
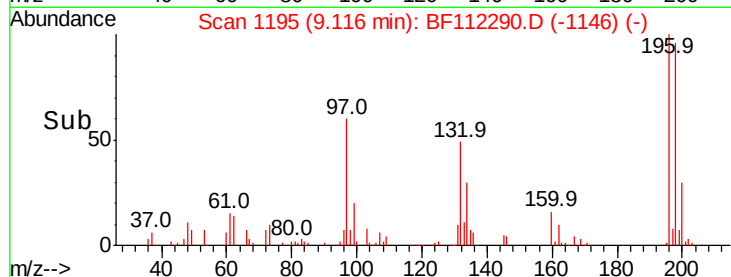
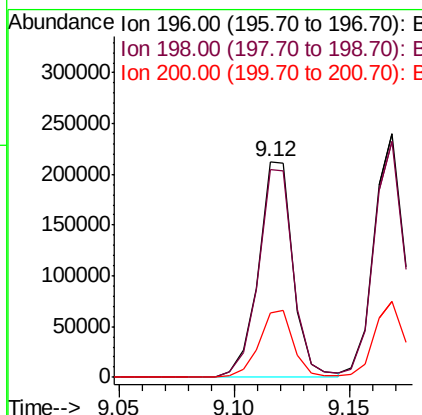
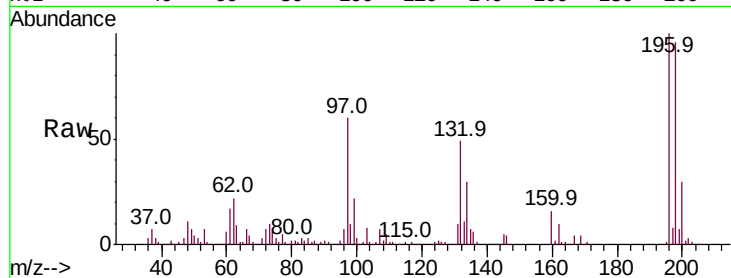




#43
 2,4,6-Trichlorophenol
 Concen: 38.832 ng
 RT: 9.12 min Scan# 1195
 Delta R.T. -0.01 min
 Lab File: BF112290.D
 Acq: 29 Jan 2019 12:57

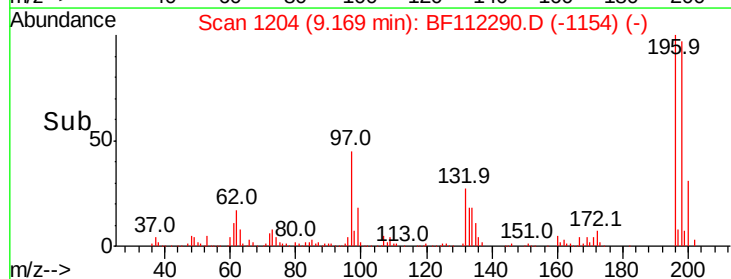
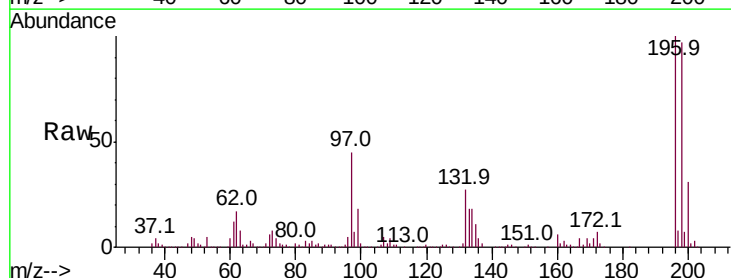
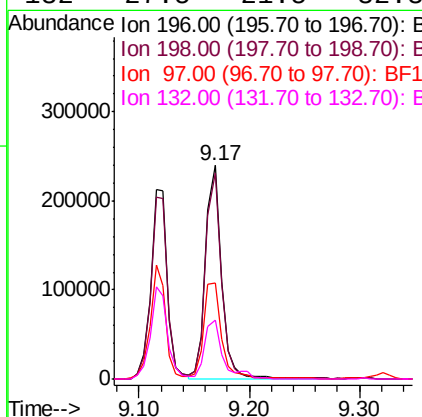
Instrument :
 BNA_F
 ClientSampleId :
 PB116683BS

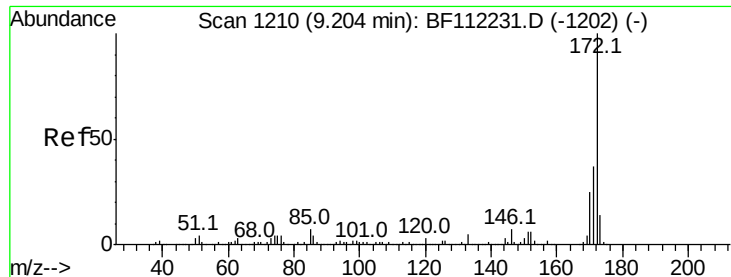
Tot Ion	Ratio	Lower	Upper
196	100		
198	96.3	76.2	114.4
200	29.7	24.3	36.5



#44
 2,4,5-Trichlorophenol
 Concen: 38.804 ng
 RT: 9.17 min Scan# 1204
 Delta R.T. -0.01 min
 Lab File: BF112290.D
 Acq: 29 Jan 2019 12:57

Tgt Ion	Ratio	Lower	Upper
196	100		
198	96.7	76.0	114.0
97	45.1	36.4	54.6
132	27.5	21.5	32.3



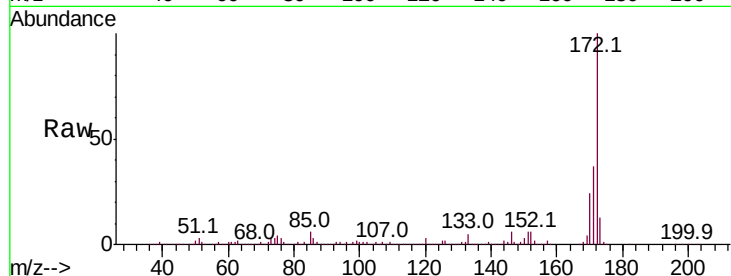


#45
 2-Fluorobiphenyl
 Concen: 80.288 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.01 min
 Lab File: BF112290.D
 Acq: 29 Jan 2019 12:57

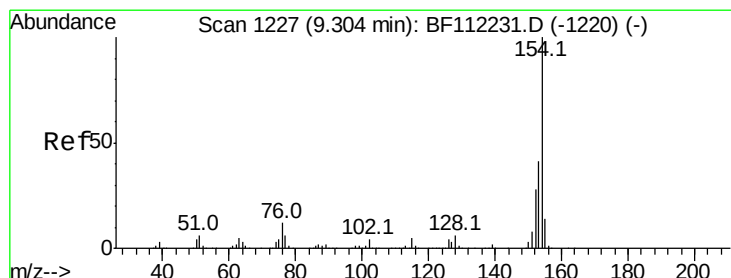
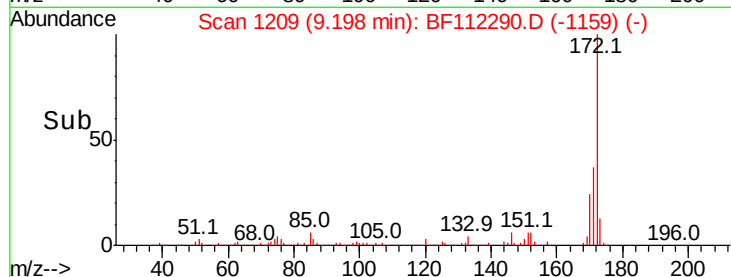
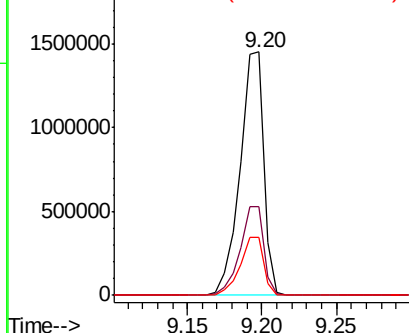
Instrument :
 BNA_F
 ClientSampleId :
 PB116683BS

Tot Ion:172 Resp: 1613543

Ion	Ratio	Lower	Upper
172	100		
171	36.6	30.5	45.7
170	23.8	20.2	30.4



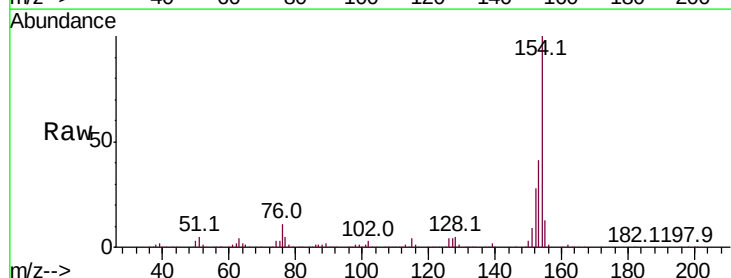
Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E



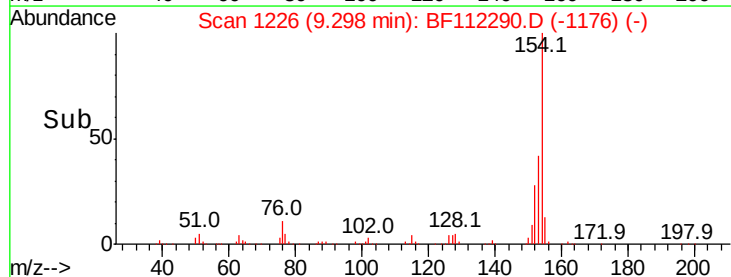
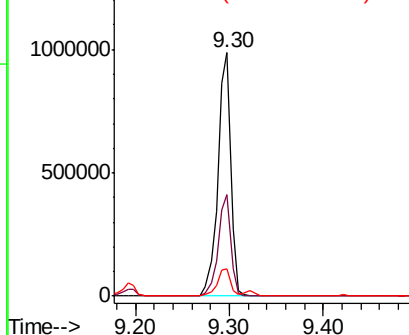
#46
 1,1'-Biphenyl
 Concen: 38.264 ng
 RT: 9.30 min Scan# 1226
 Delta R.T. -0.01 min
 Lab File: BF112290.D
 Acq: 29 Jan 2019 12:57

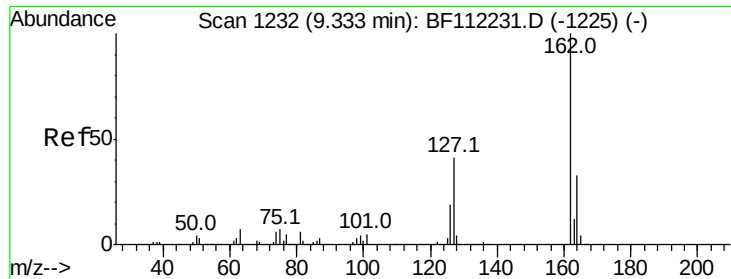
Tgt Ion:154 Resp: 950836

Ion	Ratio	Lower	Upper
154	100		
153	41.5	21.5	61.5
76	11.2	0.0	33.1



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

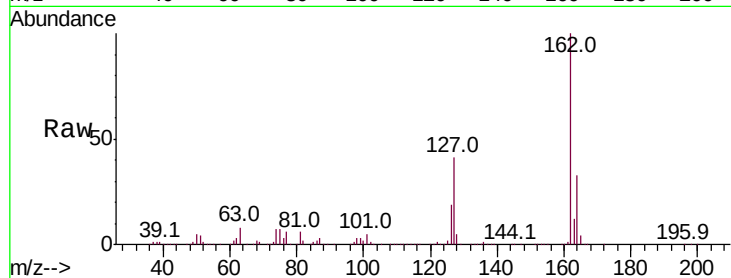




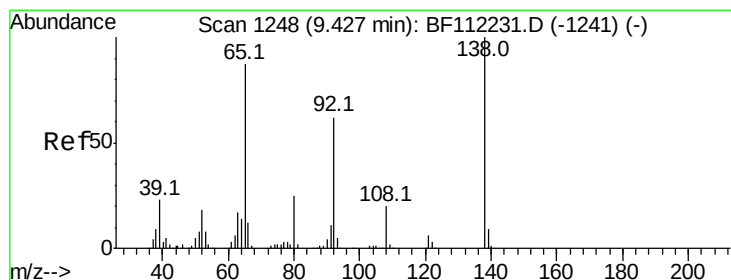
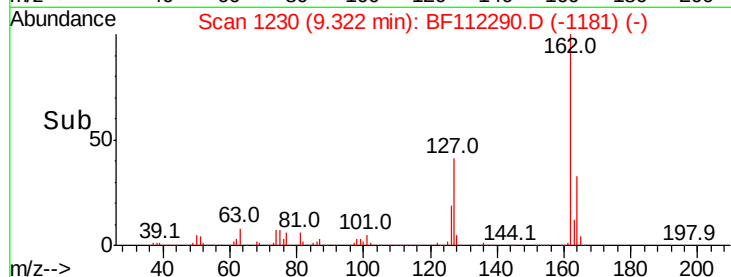
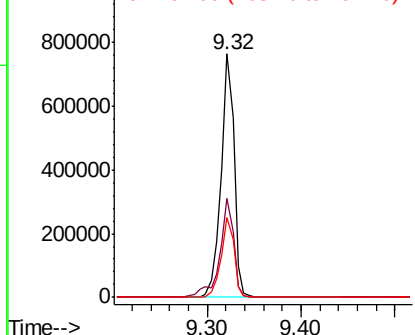
#47
 2-Chloronaphthalene
 Concen: 38.416 ng
 RT: 9.32 min Scan# 1230
 Delta R.T. -0.01 min
 Lab File: BF112290.D
 Acq: 29 Jan 2019 12:57

Instrument :
 BNA_F
 ClientSampleId :
 PB116683BS

Tot Ion	Ratio	Lower	Upper
162	100		
127	40.7	30.4	45.6
164	32.5	27.4	41.2

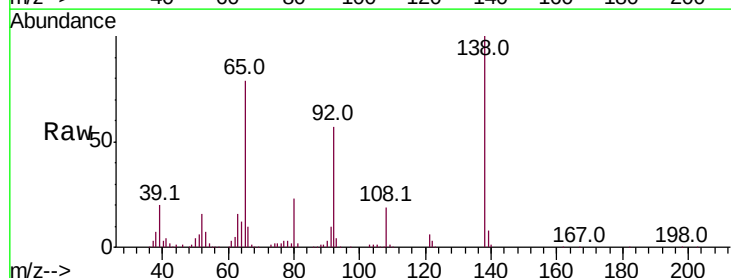


Abundance Ion 162.00 (161.70 to 162.70): E
 Ion 127.00 (126.70 to 127.70): E
 Ion 164.00 (163.70 to 164.70): E

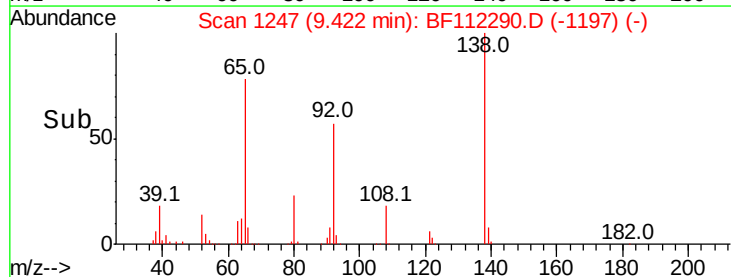
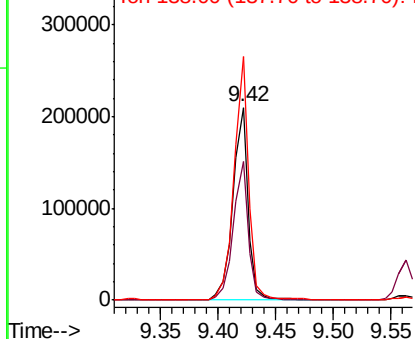


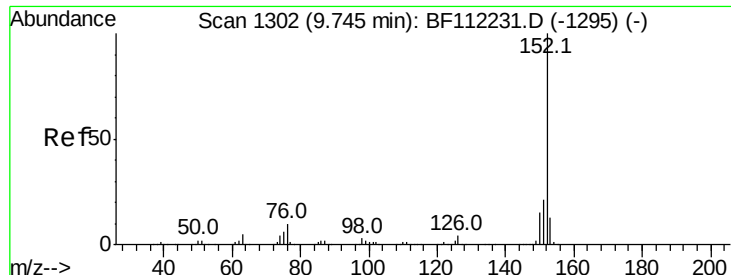
#48
 2-Nitroaniline
 Concen: 36.488 ng
 RT: 9.42 min Scan# 1247
 Delta R.T. -0.01 min
 Lab File: BF112290.D
 Acq: 29 Jan 2019 12:57

Tgt Ion	Ratio	Lower	Upper
65	100		
92	72.0	60.4	90.6
138	126.5	104.4	156.6



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: 40.652 ng

RT: 9.74 min Scan# 1301

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

Instrument :

BNA_F

ClientSampleId :

PB116683BS

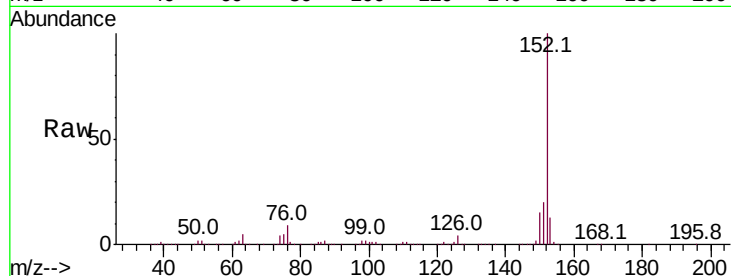
Tot Ion:152 Resp: 1148162

Ion Ratio Lower Upper

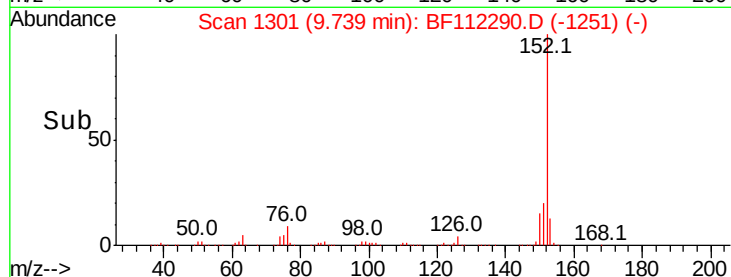
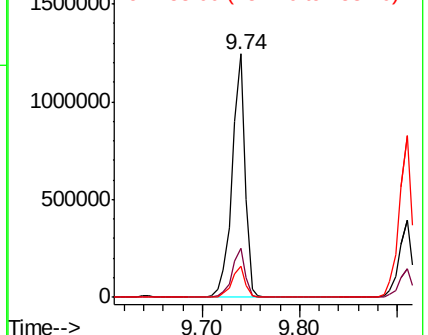
152 100

151 20.4 17.0 25.6

153 13.0 11.2 16.8



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: 36.914 ng

RT: 9.59 min Scan# 1276

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

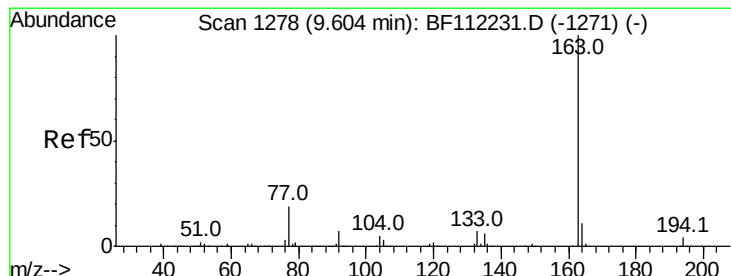
Tgt Ion:163 Resp: 815199

Ion Ratio Lower Upper

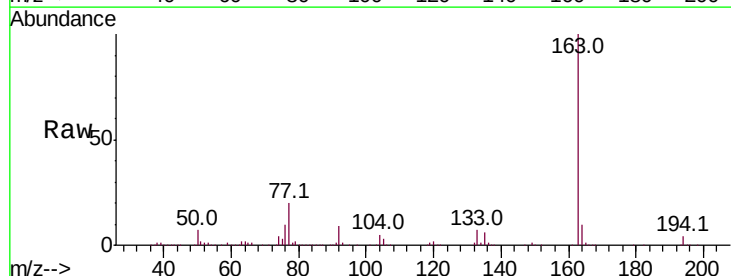
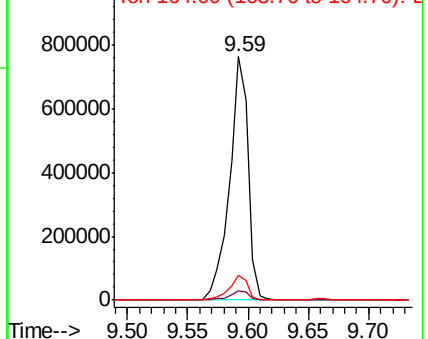
163 100

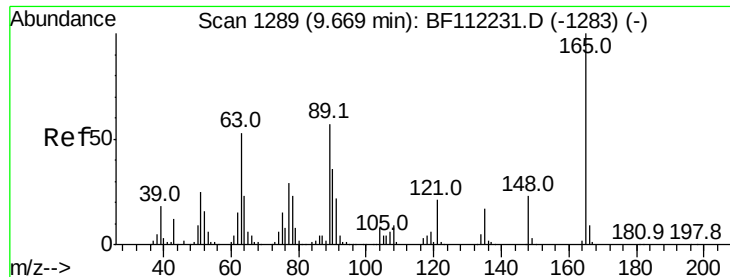
194 3.8 3.3 4.9

164 10.4 8.5 12.7



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

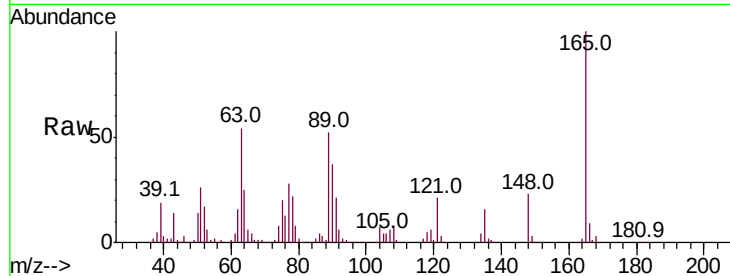




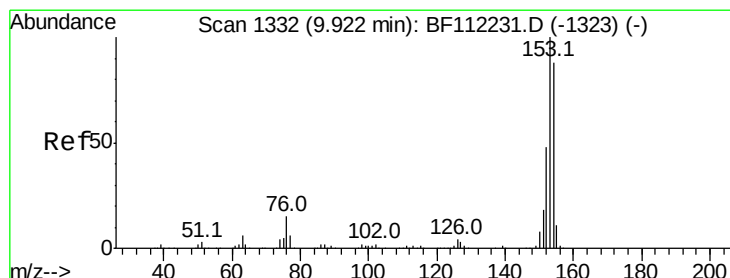
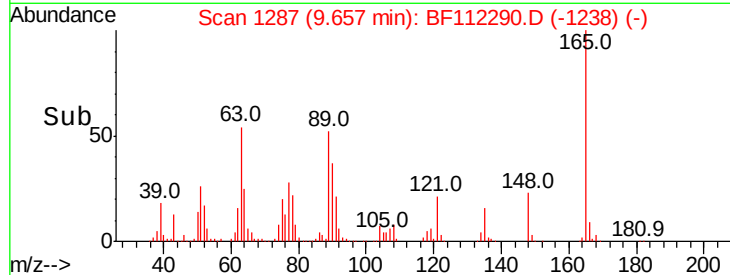
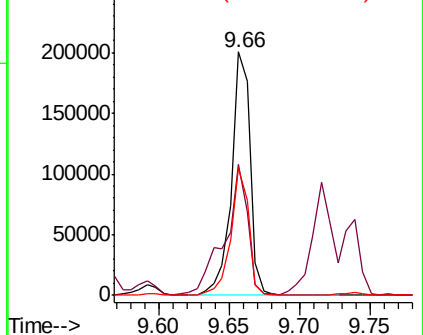
#51
 2,6-Dinitrotoluene
 Concen: 37.338 ng
 RT: 9.66 min Scan# 1287
 Delta R.T. -0.01 min
 Lab File: BF112290.D
 Acq: 29 Jan 2019 12:57

Instrument :
 BNA_F
 ClientSampleID :
 PB116683BS

Tot Ion:165 Resp: 184672
 Ion Ratio Lower Upper
 165 100
 63 53.8 33.8 50.8#
 89 52.4 36.9 55.3

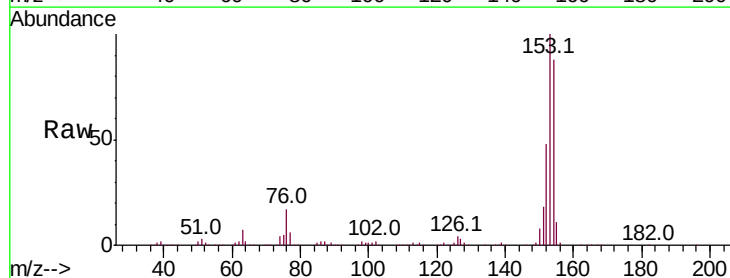


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF1
 Ion 89.00 (88.70 to 89.70): BF1

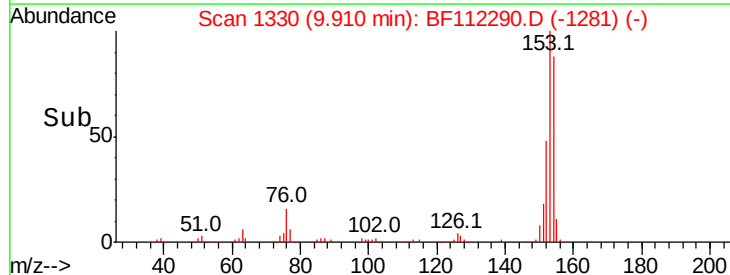
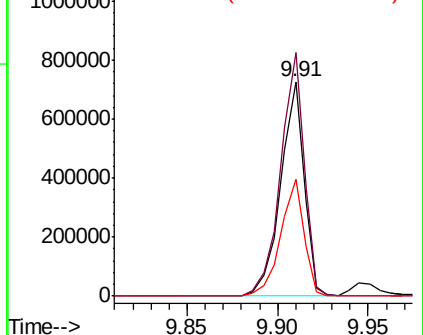


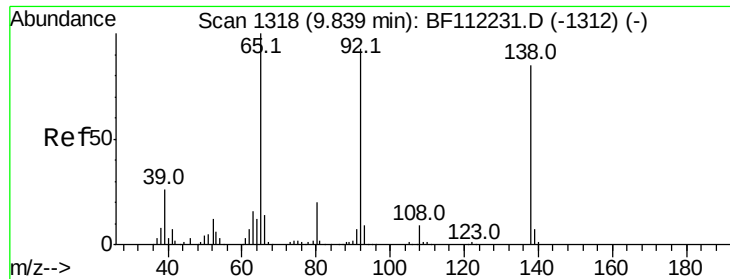
#52
 Acenaphthene
 Concen: 38.982 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.01 min
 Lab File: BF112290.D
 Acq: 29 Jan 2019 12:57

Tgt Ion:154 Resp: 657701
 Ion Ratio Lower Upper
 154 100
 153 113.5 89.8 134.6
 152 54.6 43.5 65.3



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

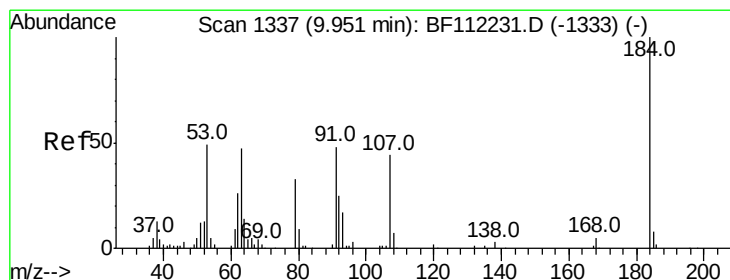
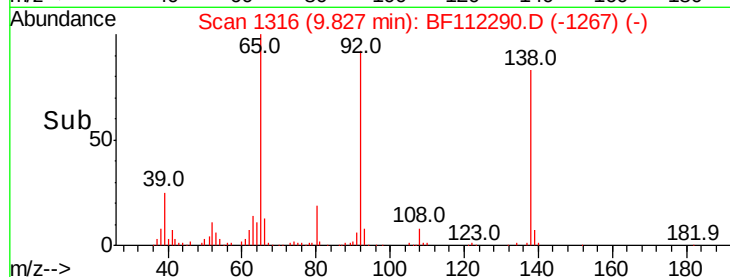
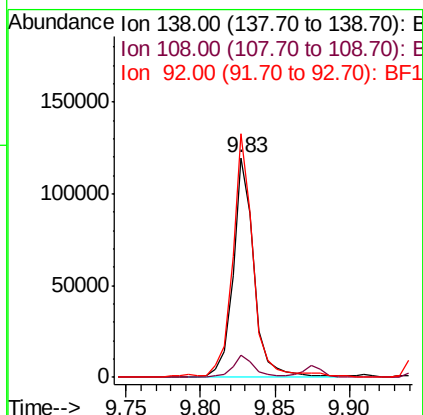
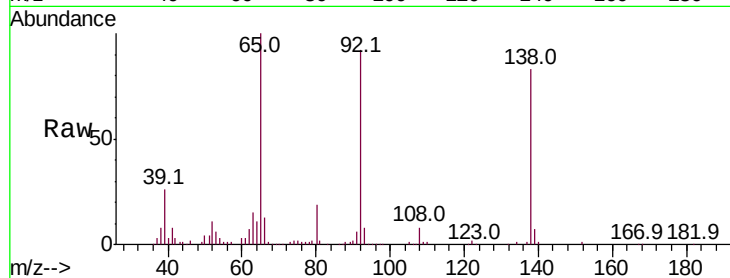




#53
 3-Nitroaniline
 Concen: 21.978 ng
 RT: 9.83 min Scan# 1316
 Delta R.T. -0.01 min
 Lab File: BF112290.D
 Acq: 29 Jan 2019 12:57

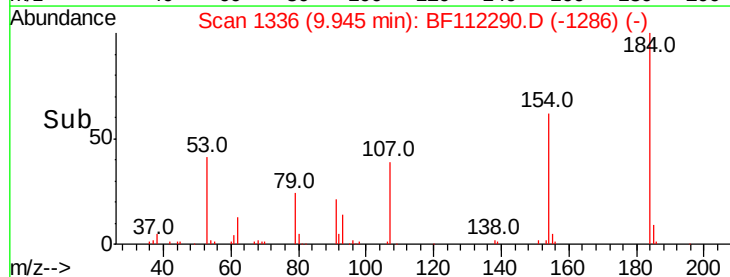
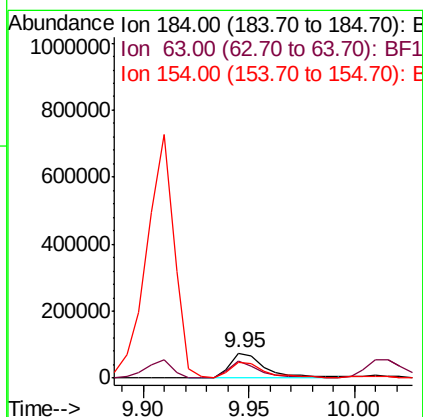
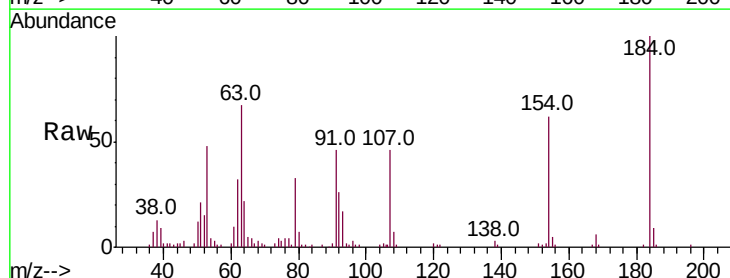
Instrument :
 BNA_F
 ClientSampleId :
 PB116683BS

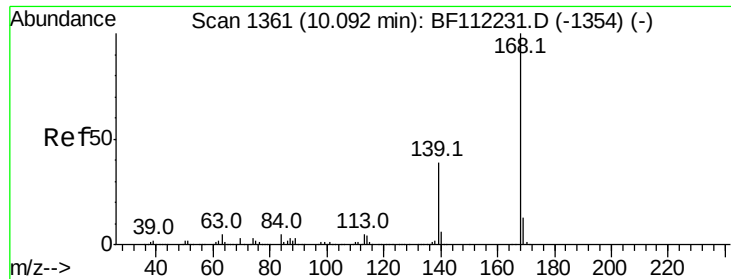
Tot Ion:138 Resp: 117765
 Ion Ratio Lower Upper
 138 100
 108 9.9 9.8 14.6
 92 110.7 79.4 119.2



#54
 2,4-Dinitrophenol
 Concen: 53.739 ng
 RT: 9.95 min Scan# 1336
 Delta R.T. -0.01 min
 Lab File: BF112290.D
 Acq: 29 Jan 2019 12:57

Tgt Ion:184 Resp: 85299
 Ion Ratio Lower Upper
 184 100
 63 67.3 47.1 70.7
 154 62.2 48.9 73.3





#55

Dibenzofuran

Concen: 38.134 ng

RT: 10.08 min Scan# 1359

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

Instrument :

BNA_F

ClientSampleId :

PB116683BS

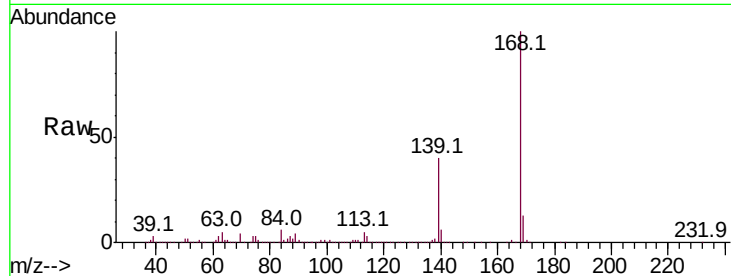
Tot Ion:168 Resp: 983214

Ion Ratio Lower Upper

168 100

139 39.8 29.2 43.8

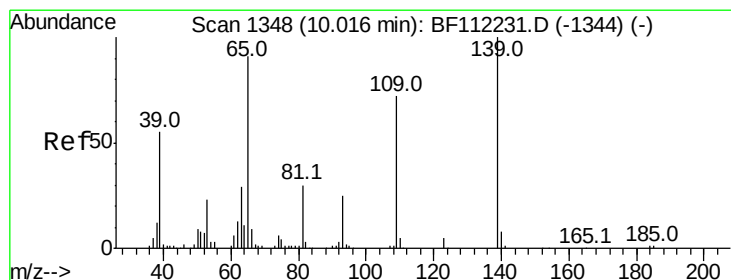
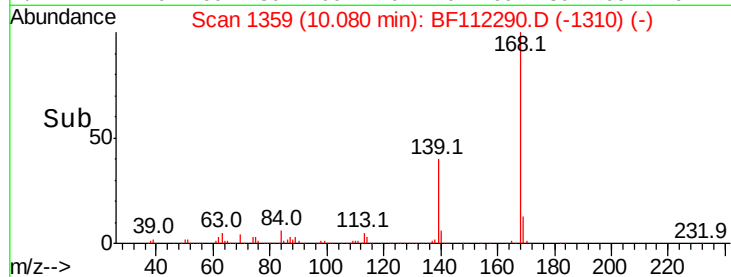
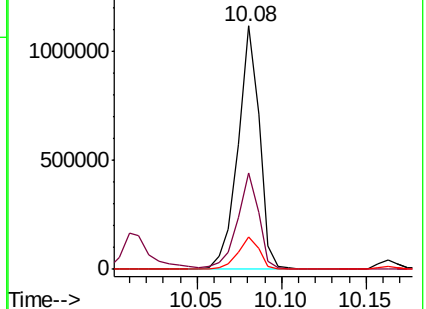
169 13.5 11.4 17.0



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#56

4-Nitrophenol

Concen: 68.728 ng

RT: 10.01 min Scan# 1347

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

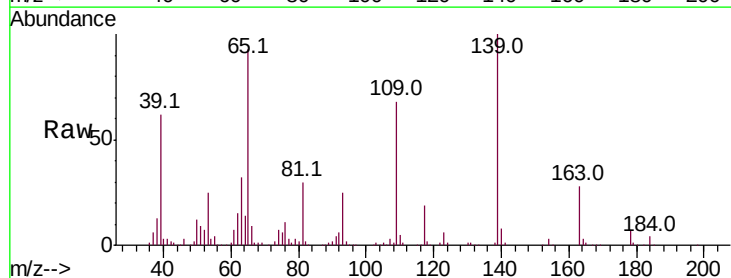
Tgt Ion:139 Resp: 194698

Ion Ratio Lower Upper

139 100

109 68.2 42.8 82.8

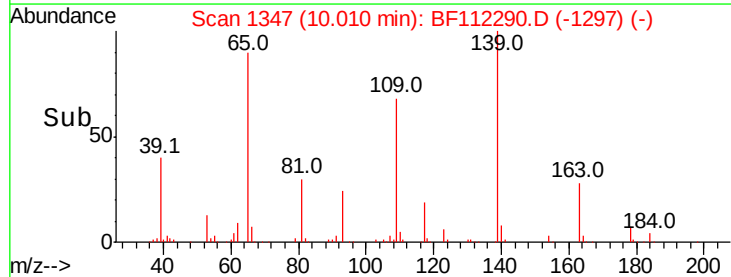
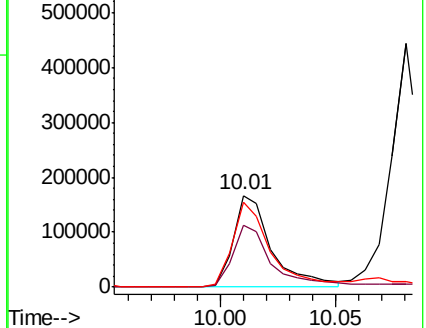
65 93.3 66.1 106.1

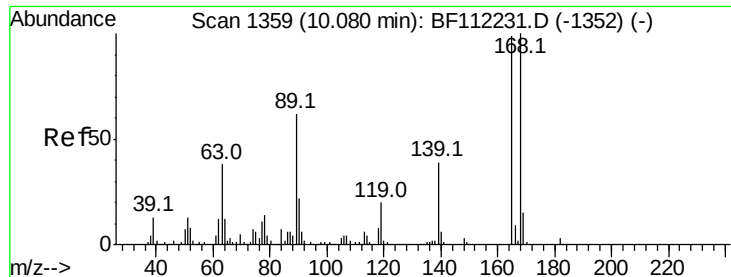


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF1





#57

2,4-Dinitrotoluene

Concen: 37.493 ng

RT: 10.07 min Scan# 1357

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

Instrument :

BNA_F

ClientSampleId :

PB116683BS

Tot Ion:165 Resp: 236078

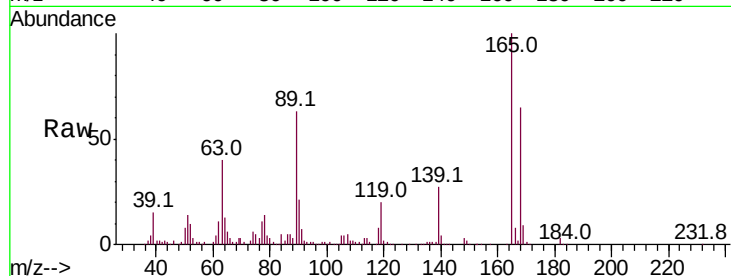
Ion Ratio Lower Upper

165 100

63 40.1 27.9 41.9

89 63.3 47.9 71.9

182 2.6 2.2 3.4

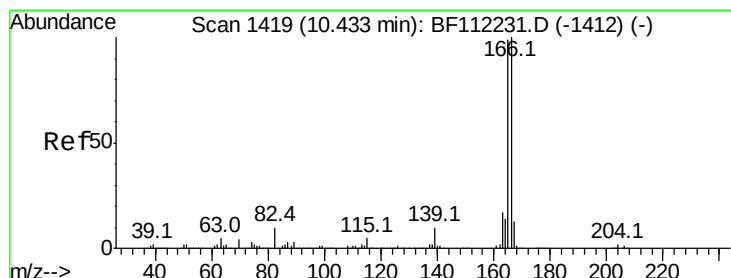
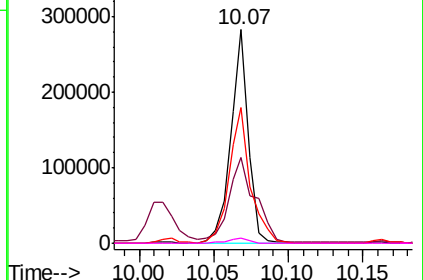
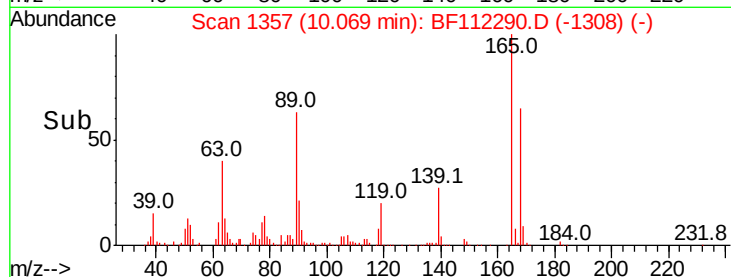


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E



#58

Fluorene

Concen: 40.864 ng

RT: 10.42 min Scan# 1417

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

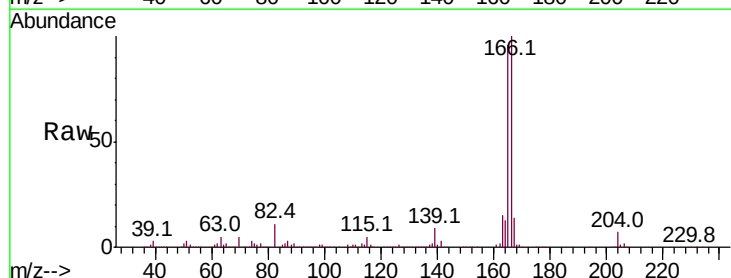
Tgt Ion:166 Resp: 788447

Ion Ratio Lower Upper

166 100

165 96.4 77.1 115.7

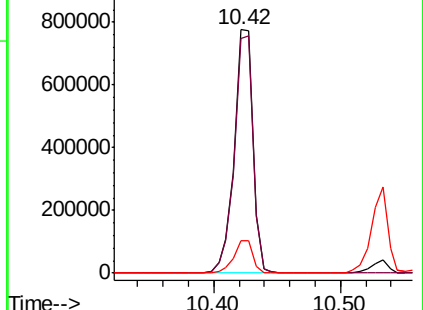
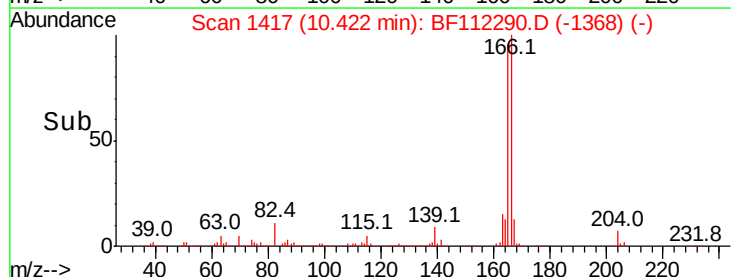
167 13.5 11.3 16.9

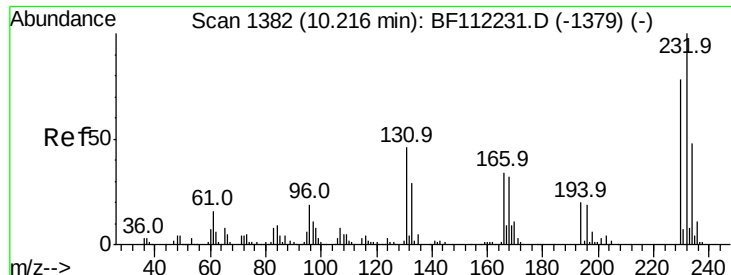


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

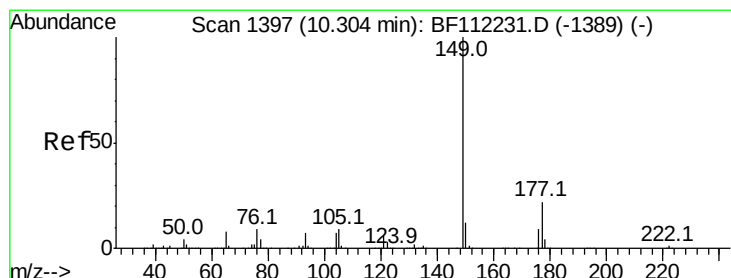
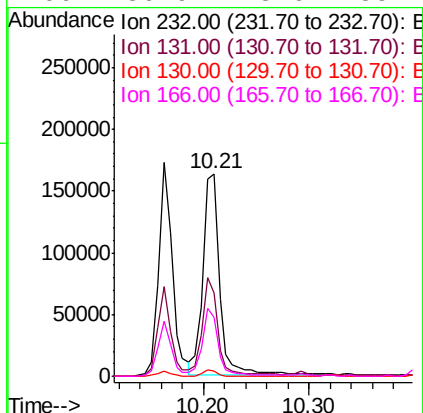
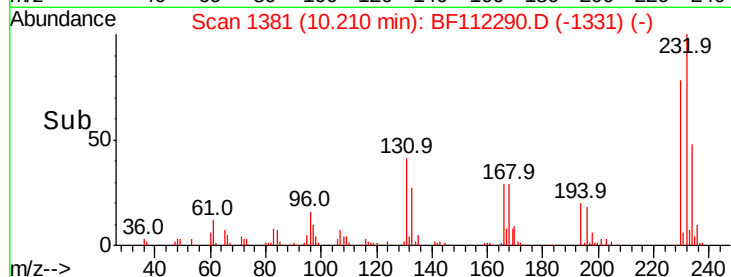
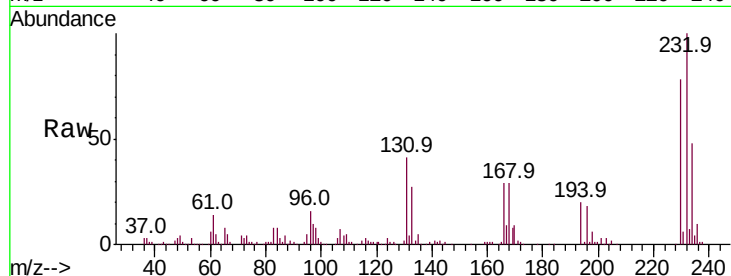




#59
 2,3,4,6-Tetrachlorophenol
 Concen: 39.689 ng
 RT: 10.21 min Scan# 1381
 Delta R.T. -0.01 min
 Lab File: BF112290.D
 Acq: 29 Jan 2019 12:57

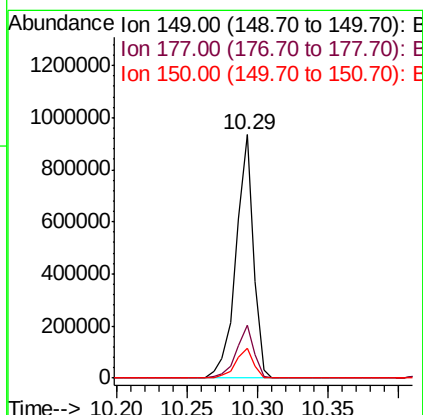
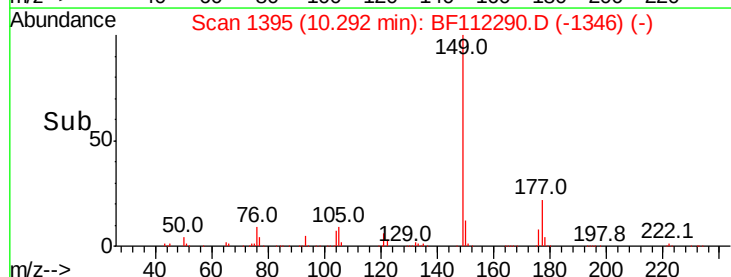
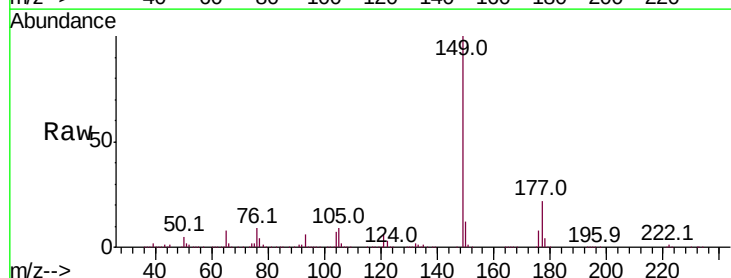
Instrument :
 BNA_F
 ClientSampleId :
 PB116683BS

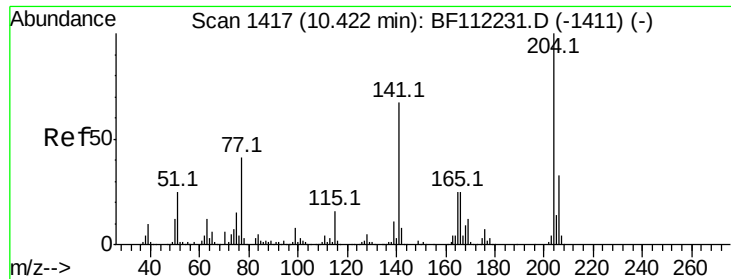
Tot Ion:	232	Resp:	180329
Ion	Ratio	Lower	Upper
232	100		
131	44.1	33.9	50.9
130	2.6	1.8	2.6
166	30.9	23.6	35.4



#60
 Diethylphthalate
 Concen: 36.702 ng
 RT: 10.29 min Scan# 1395
 Delta R.T. -0.01 min
 Lab File: BF112290.D
 Acq: 29 Jan 2019 12:57

Tgt Ion:	149	Resp:	804343
Ion	Ratio	Lower	Upper
149	100		
177	21.6	18.2	27.2
150	12.5	10.4	15.6

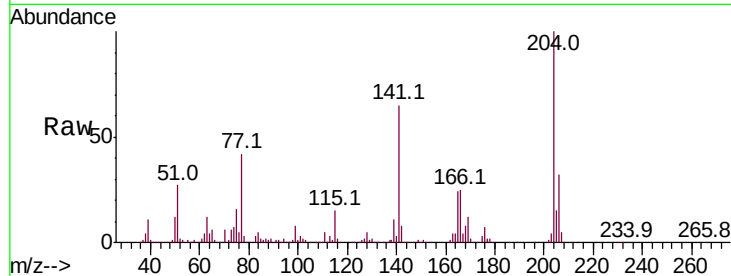




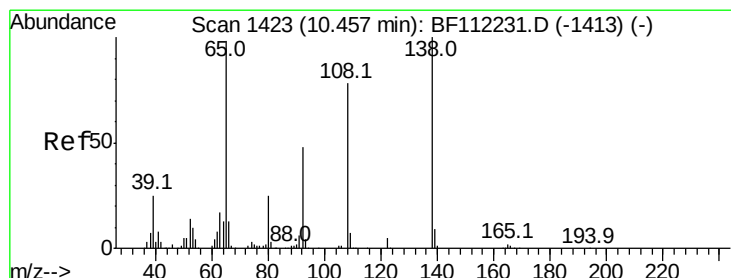
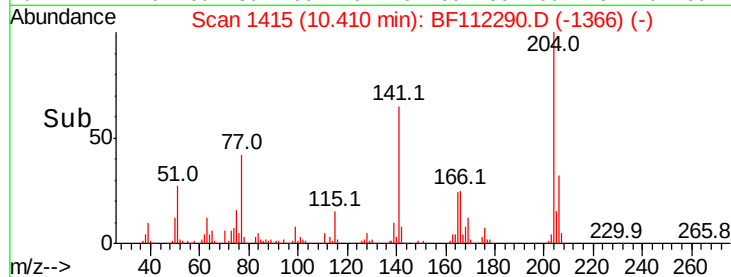
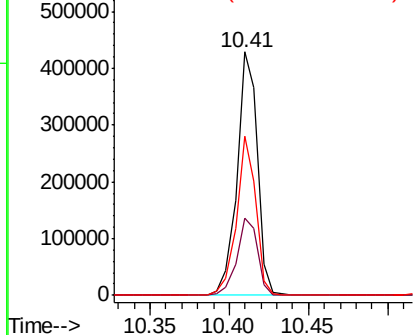
#61
 4-Chlorophenyl-phenylether
 Concen: 36.308 ng
 RT: 10.41 min Scan# 1415
 Delta R.T. -0.01 min
 Lab File: BF112290.D
 Acq: 29 Jan 2019 12:57

Instrument :
 BNA_F
 ClientSampleId :
 PB116683BS

Tot Ion:	204	Resp:	381067
Ion	Ratio	Lower	Upper
204	100		
206	31.7	26.5	39.7
141	65.3	45.9	68.9

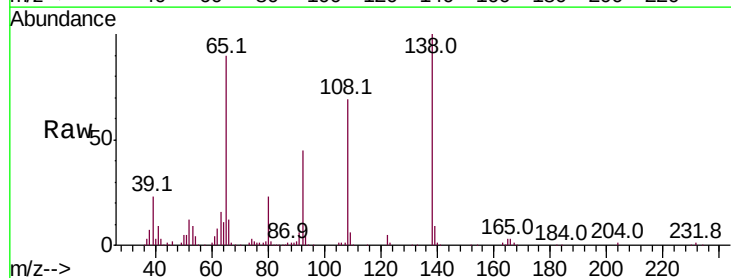


Abundance Ion 204.00 (203.70 to 204.70): E
 Ion 206.00 (205.70 to 206.70): E
 Ion 141.00 (140.70 to 141.70): E

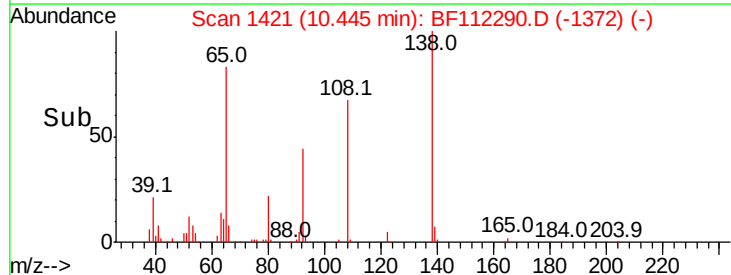
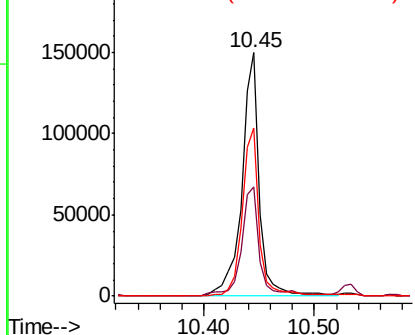


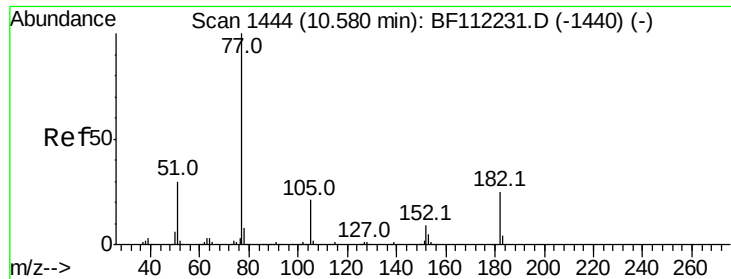
#62
 4-Nitroaniline
 Concen: 31.622 ng
 RT: 10.45 min Scan# 1421
 Delta R.T. -0.01 min
 Lab File: BF112290.D
 Acq: 29 Jan 2019 12:57

Tgt Ion:	138	Resp:	166197
Ion	Ratio	Lower	Upper
138	100		
92	44.7	30.6	70.6
108	69.3	50.0	90.0



Abundance Ion 138.00 (137.70 to 138.70): E
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 108.00 (107.70 to 108.70): E





#63

Azobenzene

Concen: 36.928 ng

RT: 10.57 min Scan# 1443

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

Instrument :

BNA_F

ClientSampleId :

PB116683BS

Tot Ion: 77 Resp: 711775

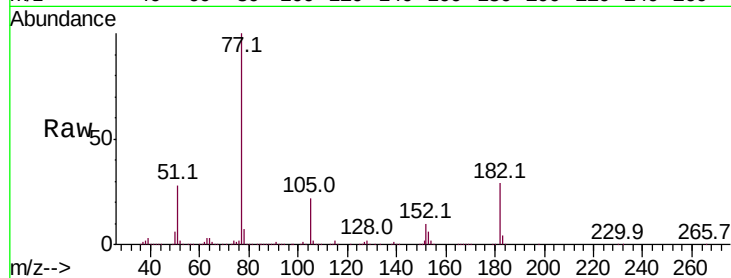
Ion Ratio Lower Upper

77 100

182 29.1 5.7 45.7

105 22.1 1.4 41.4

51 28.3 9.5 49.5

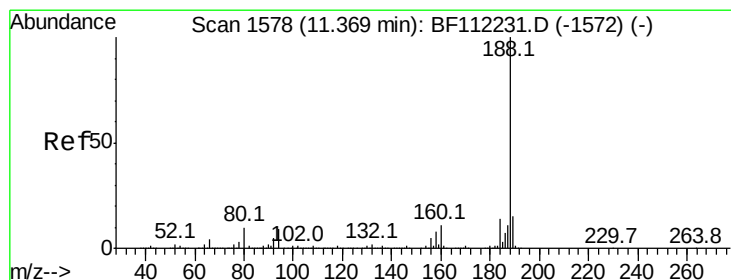
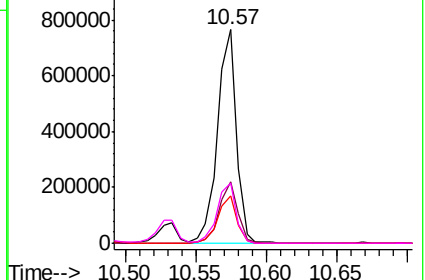
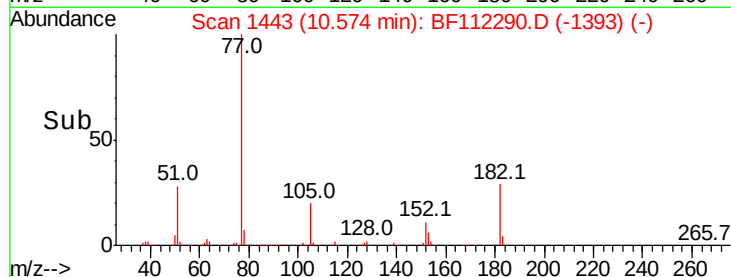


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 11.36 min Scan# 1577

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

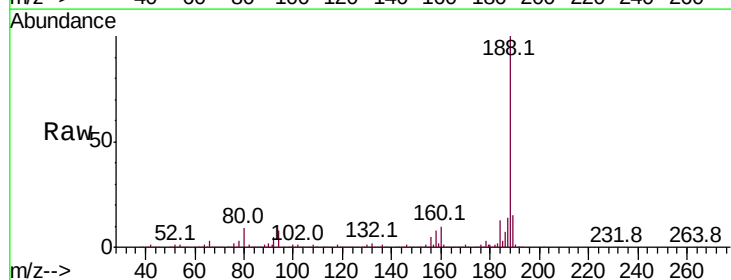
Tgt Ion: 188 Resp: 515178

Ion Ratio Lower Upper

188 100

94 8.0 8.2 12.2#

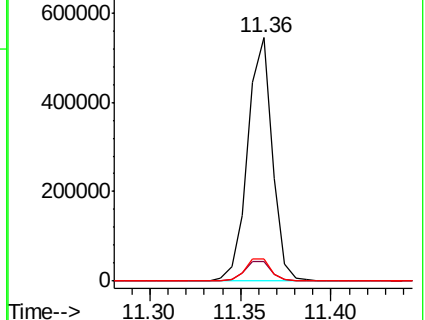
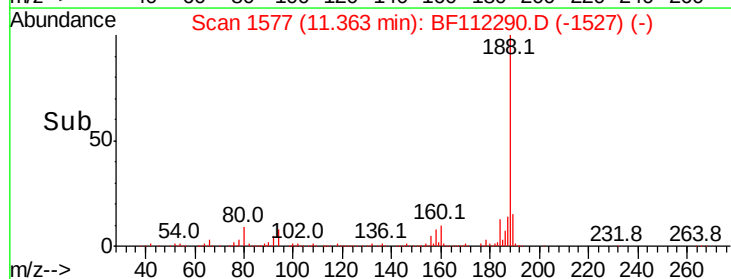
80 8.9 8.9 13.3#

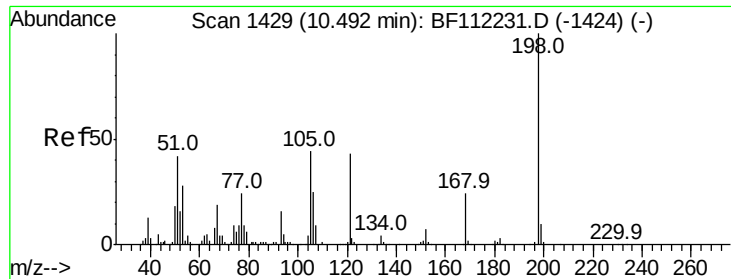


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

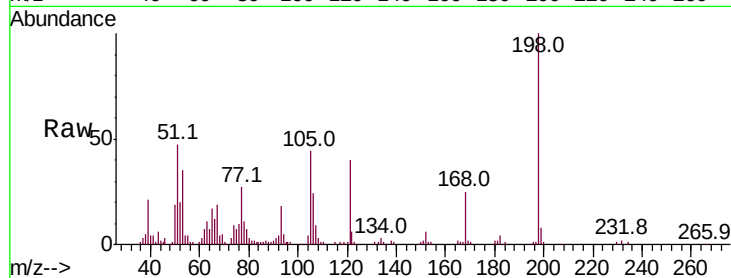




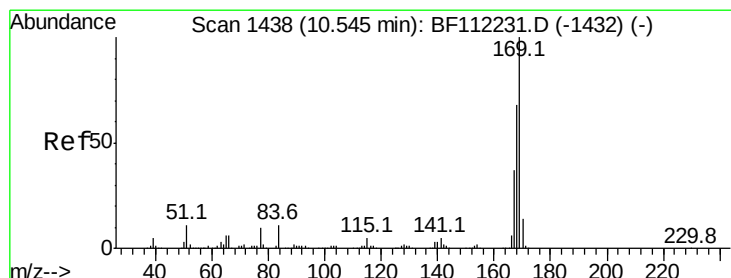
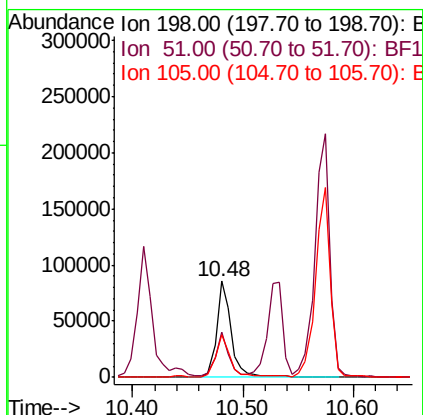
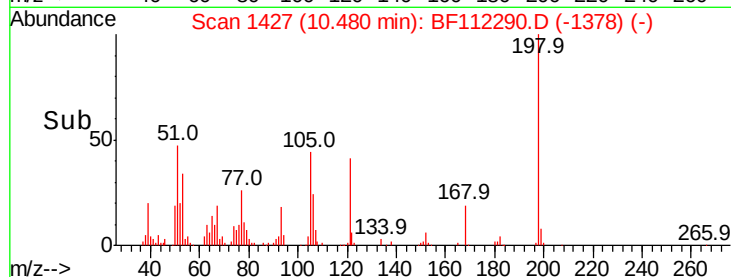
#65
4,6-Dinitro-2-methylphenol
Concen: 27.610 ng
RT: 10.48 min Scan# 1427
Delta R.T. -0.01 min
Lab File: BF112290.D
Acq: 29 Jan 2019 12:57

Instrument :
BNA_F
ClientSampleId :
PB116683BS

Tot Ion:198 Resp: 79748
Ion Ratio Lower Upper
198 100
51 47.1 17.2 57.2
105 44.1 21.9 61.9

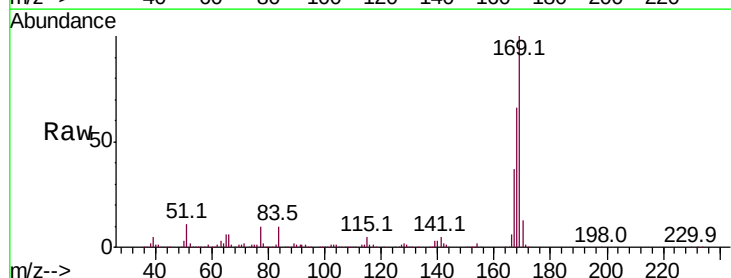


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

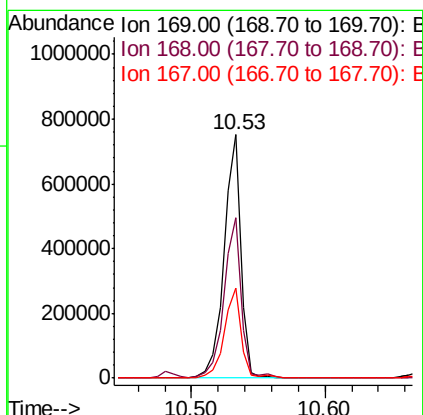
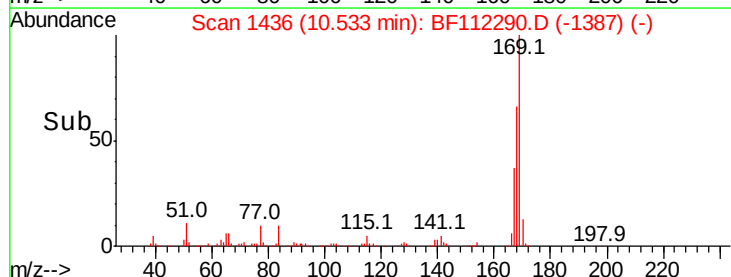


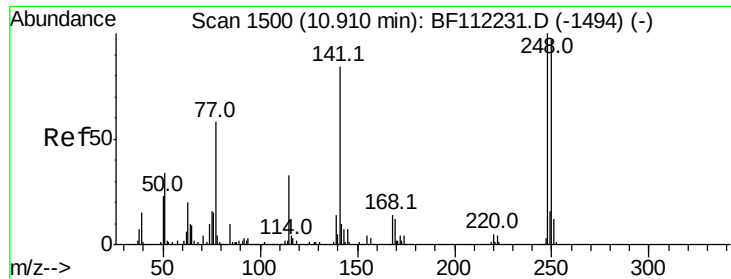
#66
n-Nitrosodiphenylamine
Concen: 38.577 ng
RT: 10.53 min Scan# 1436
Delta R.T. -0.01 min
Lab File: BF112290.D
Acq: 29 Jan 2019 12:57

Tgt Ion:169 Resp: 669812
Ion Ratio Lower Upper
169 100
168 65.9 53.9 80.9
167 36.8 28.9 43.3



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

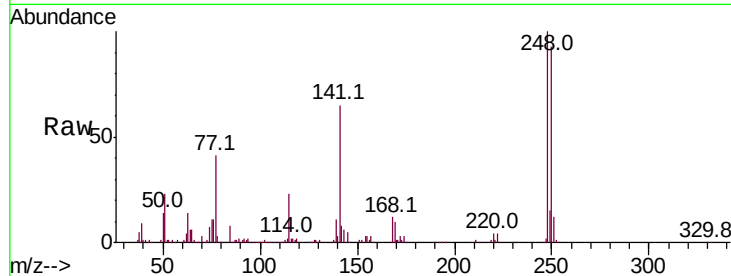




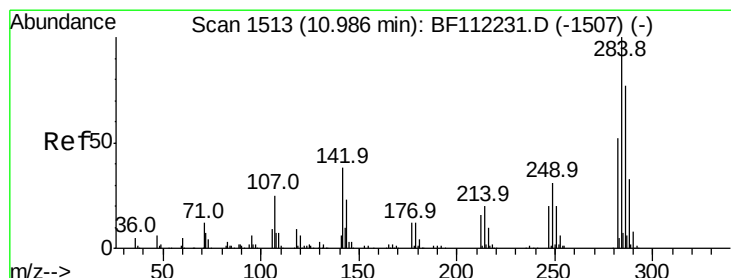
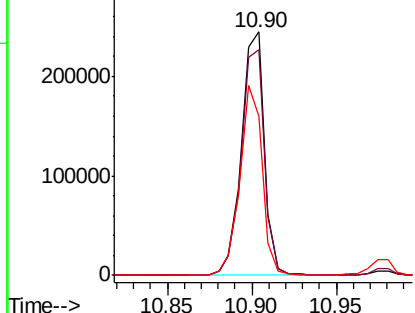
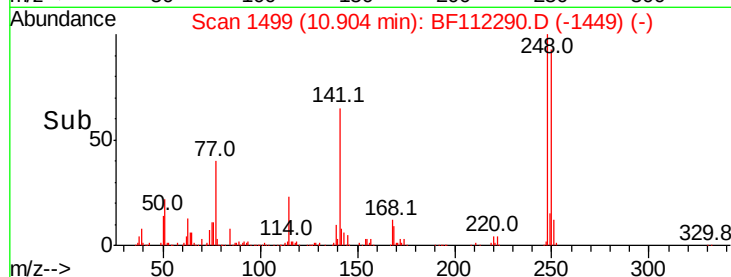
#67
4-Bromophenyl-phenylether
Concen: 38.413 ng
RT: 10.90 min Scan# 1499
Delta R.T. -0.01 min
Lab File: BF112290.D
Acq: 29 Jan 2019 12:57

Instrument :
BNA_F
ClientSampleId :
PB116683BS

Tot Ion:248 Resp: 232752
Ion Ratio Lower Upper
248 100
250 92.9 79.7 119.5
141 65.2 60.3 90.5

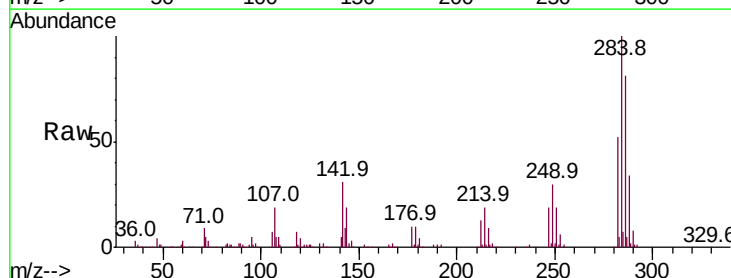


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

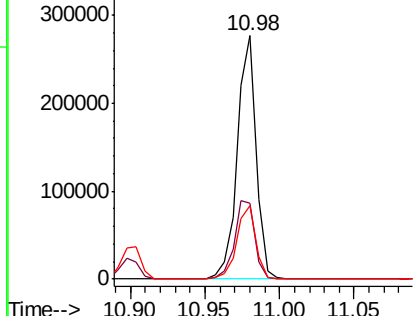
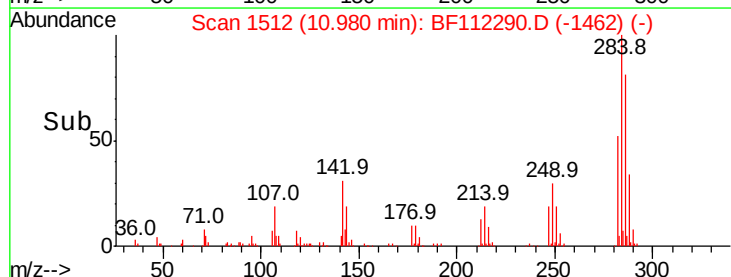


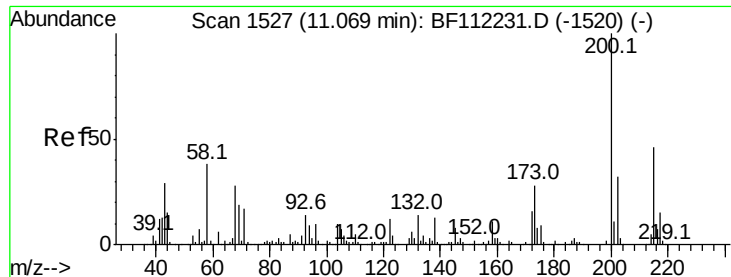
#68
Hexachlorobenzene
Concen: 37.863 ng
RT: 10.98 min Scan# 1512
Delta R.T. -0.01 min
Lab File: BF112290.D
Acq: 29 Jan 2019 12:57

Tgt Ion:284 Resp: 246143
Ion Ratio Lower Upper
284 100
142 31.0 27.6 41.4
249 30.2 24.1 36.1



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

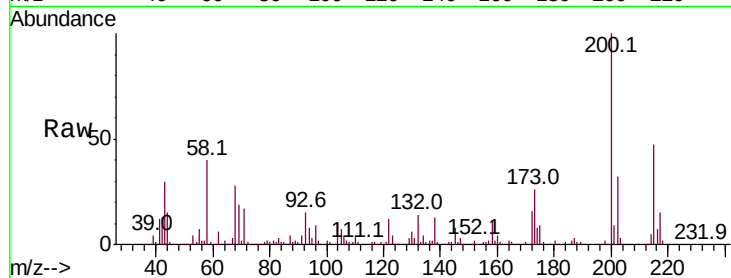




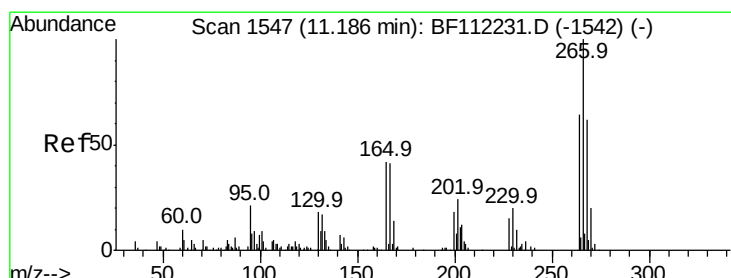
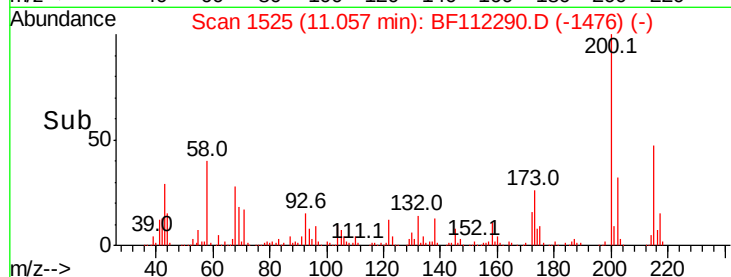
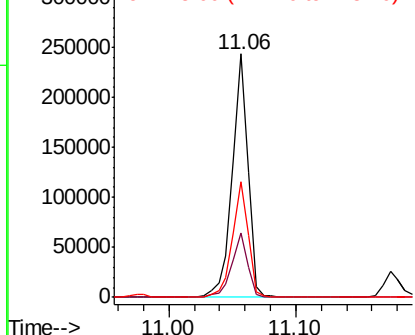
#69
Atrazine
Concen: 37.160 ng
RT: 11.06 min Scan# 1525
Delta R.T. -0.01 min
Lab File: BF112290.D
Acq: 29 Jan 2019 12:57

Instrument :
BNA_F
ClientSampleId :
PB116683BS

Tot Ion	Ratio	Lower	Upper
200	100		
173	26.4	7.1	47.1
215	47.4	30.4	70.4

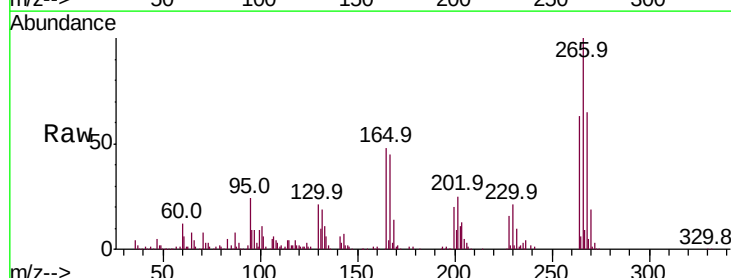


Abundance Ion 200.00 (199.70 to 200.70): E
Ion 173.00 (172.70 to 173.70): E
Ion 215.00 (214.70 to 215.70): E

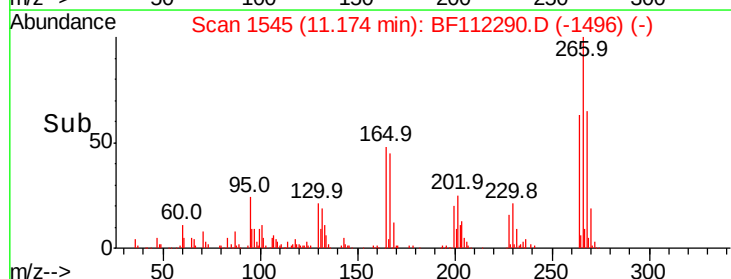
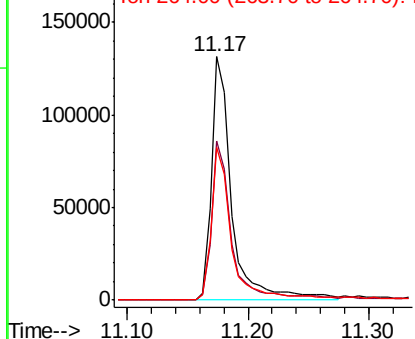


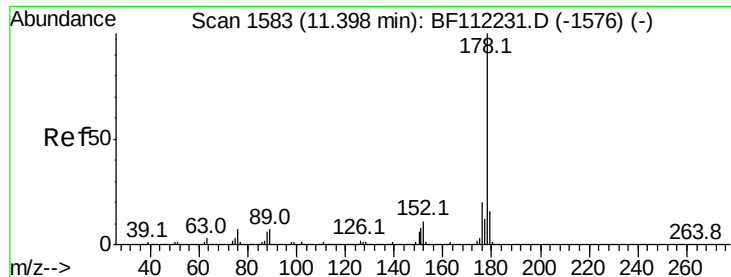
#70
Pentachlorophenol
Concen: 60.284 ng
RT: 11.17 min Scan# 1545
Delta R.T. -0.01 min
Lab File: BF112290.D
Acq: 29 Jan 2019 12:57

Tgt Ion	Ratio	Lower	Upper
266	100		
268	65.5	51.2	76.8
264	62.7	50.9	76.3



Abundance Ion 265.70 (265.40 to 266.40): E
Ion 268.00 (267.70 to 268.70): E
Ion 264.00 (263.70 to 264.70): E

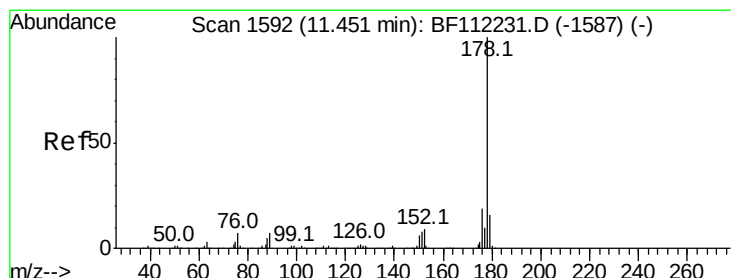
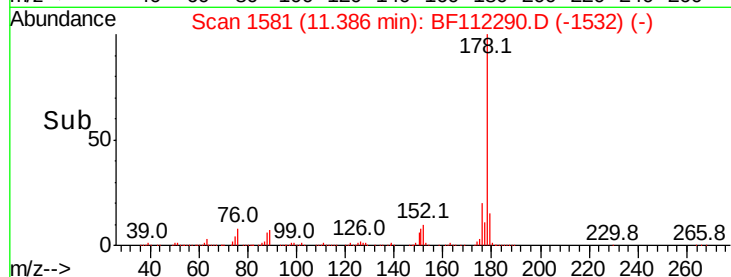
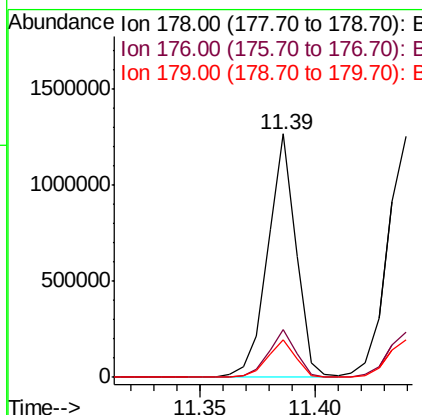
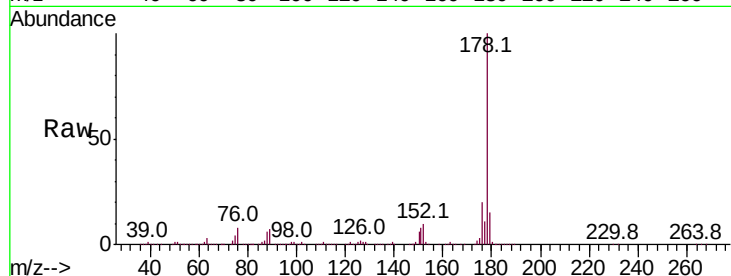




#71
Phenanthrene
Concen: 40.210 ng
RT: 11.39 min Scan# 1581
Delta R.T. -0.01 min
Lab File: BF112290.D
Acq: 29 Jan 2019 12:57

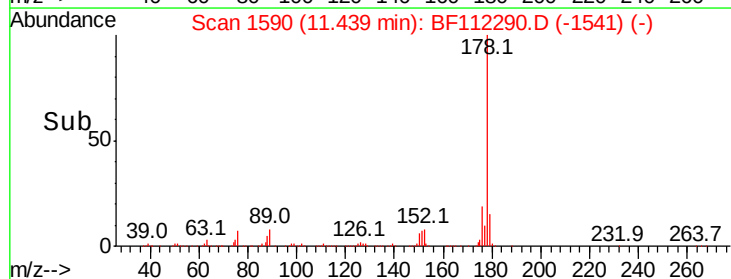
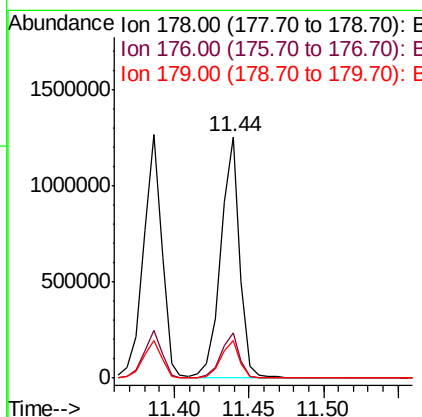
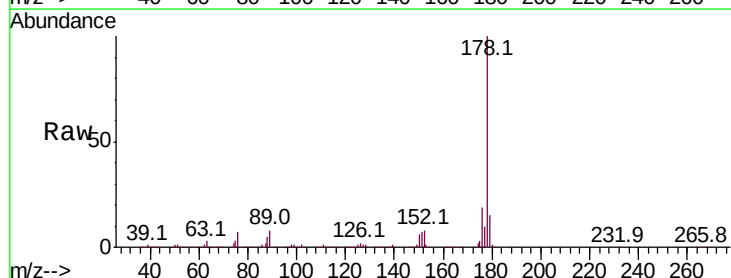
Instrument :
BNA_F
ClientSampleId :
PB116683BS

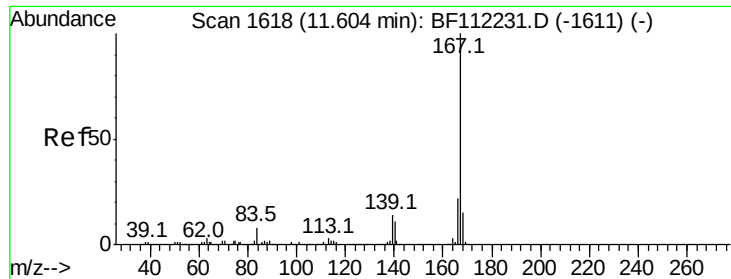
Tot Ion:178 Resp: 1076957
Ion Ratio Lower Upper
178 100
176 19.8 16.3 24.5
179 15.4 13.0 19.4



#72
Anthracene
Concen: 41.950 ng
RT: 11.44 min Scan# 1590
Delta R.T. -0.01 min
Lab File: BF112290.D
Acq: 29 Jan 2019 12:57

Tgt Ion:178 Resp: 1119202
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 15.4 12.8 19.2

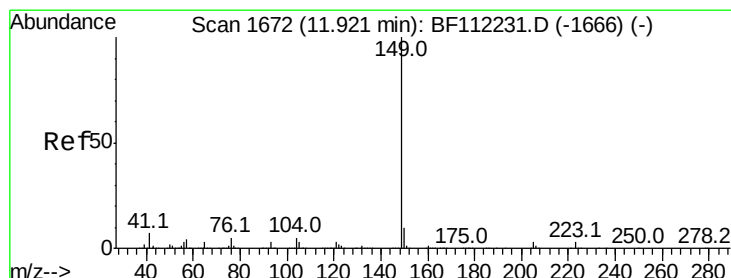
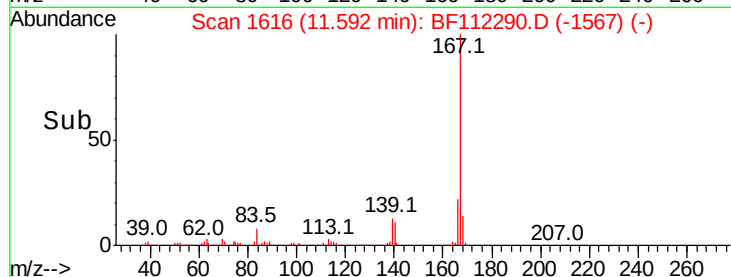
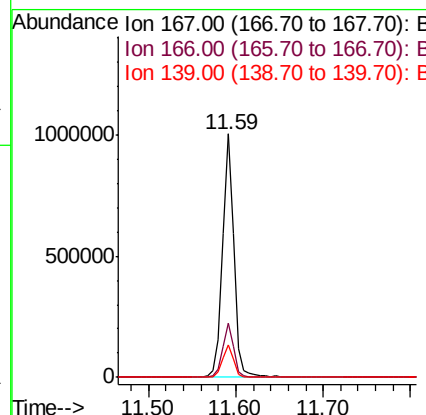
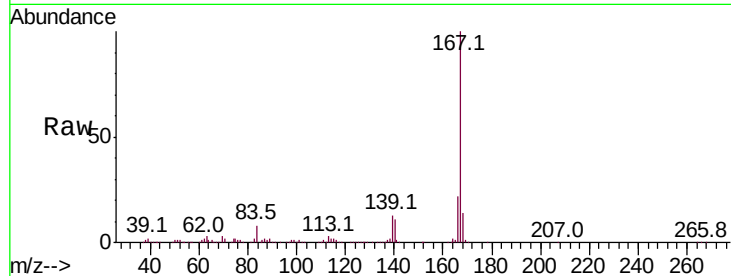




#73
 Carbazole
 Concen: 34.658 ng
 RT: 11.59 min Scan# 1616
 Delta R.T. -0.01 min
 Lab File: BF112290.D
 Acq: 29 Jan 2019 12:57

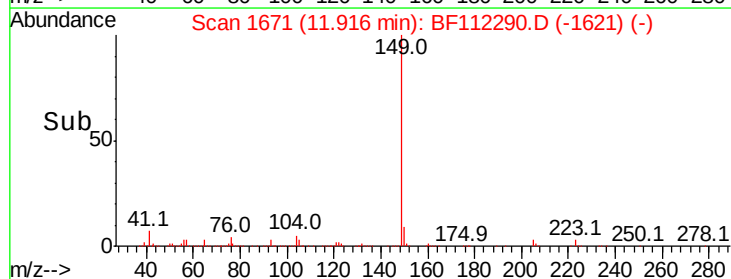
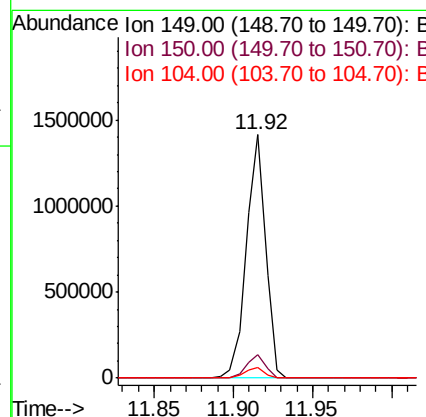
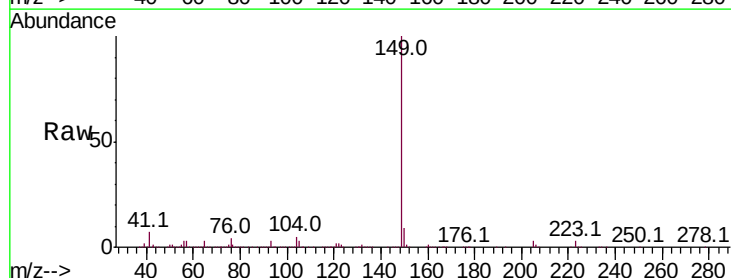
Instrument :
 BNA_F
 ClientSampleId :
 PB116683BS

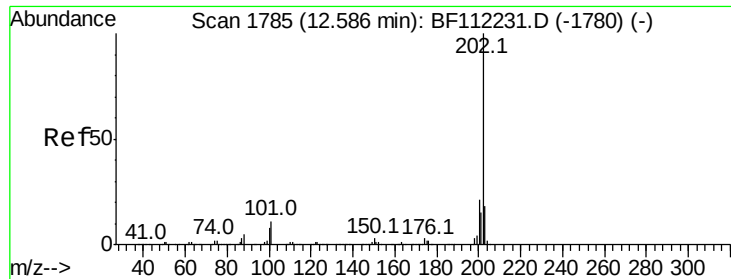
Tot Ion:167 Resp: 912108
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.9 26.9
 139 13.5 10.2 15.2



#74
 Di-n-butylphthalate
 Concen: 36.383 ng
 RT: 11.92 min Scan# 1671
 Delta R.T. -0.01 min
 Lab File: BF112290.D
 Acq: 29 Jan 2019 12:57

Tgt Ion:149 Resp: 1188499
 Ion Ratio Lower Upper
 149 100
 150 9.4 8.1 12.1
 104 4.6 3.9 5.9





#75

Fluoranthene

Concen: 35.703 ng

RT: 12.57 min Scan# 1783

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

Instrument :

BNA_F

ClientSampleId :

PB116683BS

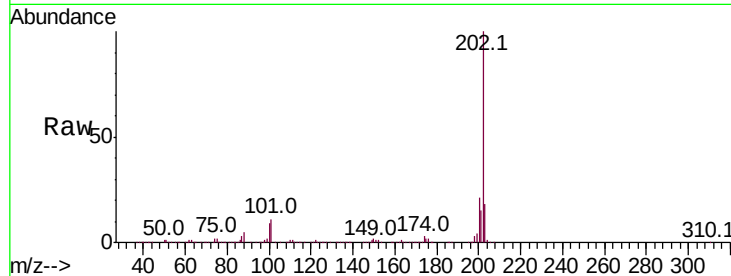
Tot Ion:202 Resp: 1025628

Ion Ratio Lower Upper

202 100

101 10.8 0.0 31.8

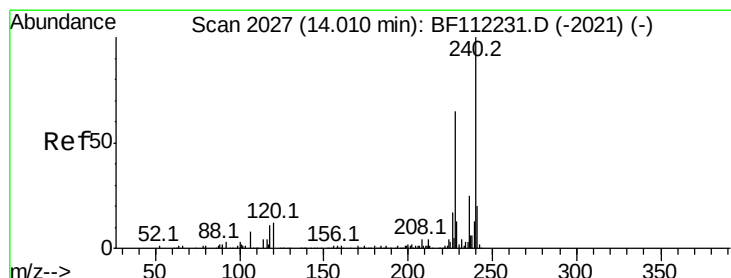
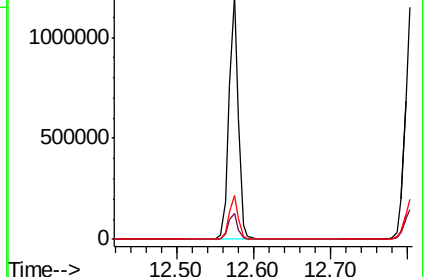
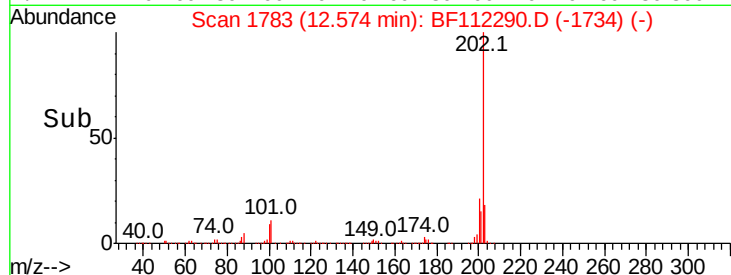
203 18.1 0.0 38.4



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: 14.00 min Scan# 2026

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

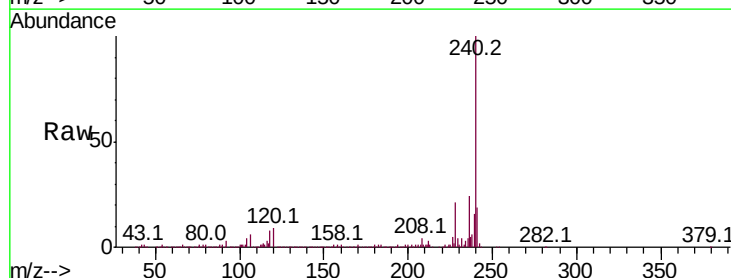
Tgt Ion:240 Resp: 334075

Ion Ratio Lower Upper

240 100

120 9.2 9.0 13.6

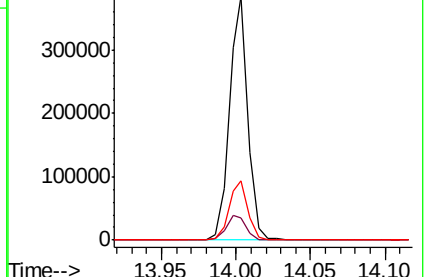
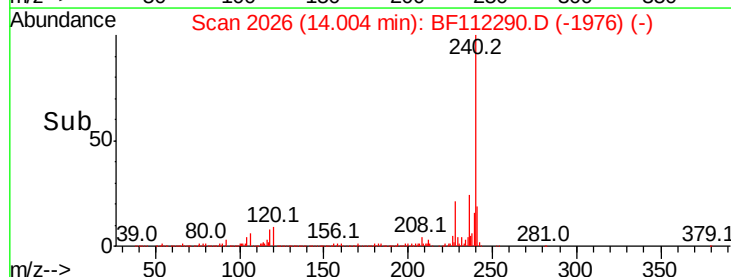
236 24.3 20.7 31.1

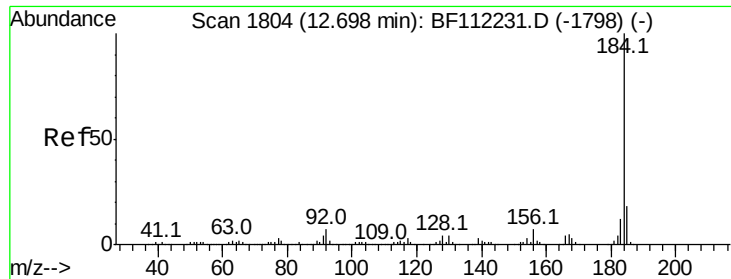


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 24.173 ng

RT: 12.69 min Scan# 1803

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

Instrument :

BNA_F

ClientSampleId :

PB116683BS

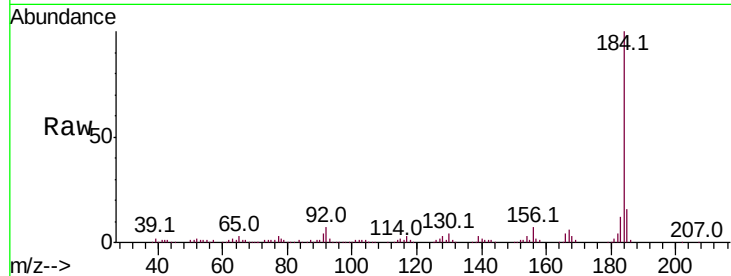
Tot Ion:184 Resp: 222266

Ion Ratio Lower Upper

184 100

185 15.9 13.9 20.9

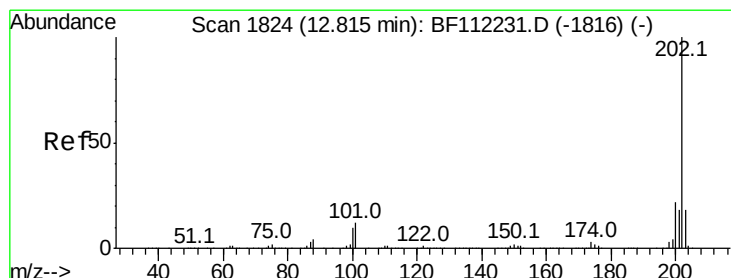
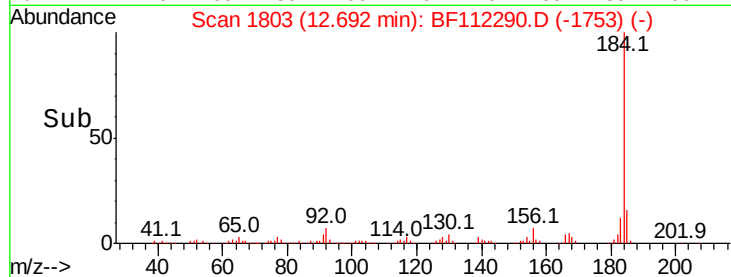
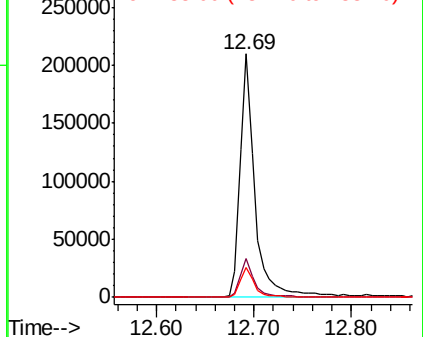
183 12.4 10.0 15.0



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 44.205 ng

RT: 12.80 min Scan# 1822

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

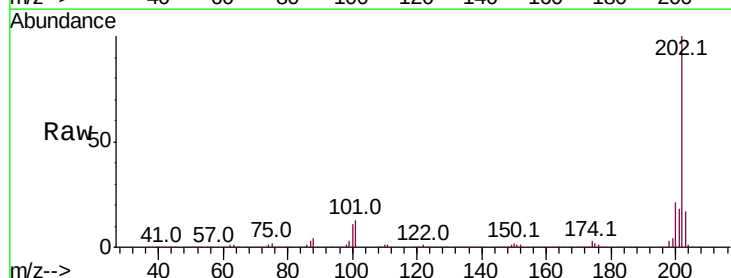
Tgt Ion:202 Resp: 1022433

Ion Ratio Lower Upper

202 100

200 20.8 17.7 26.5

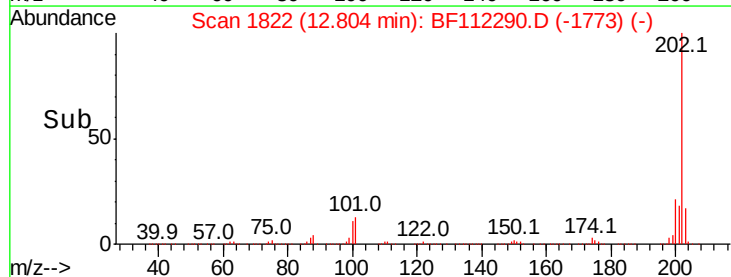
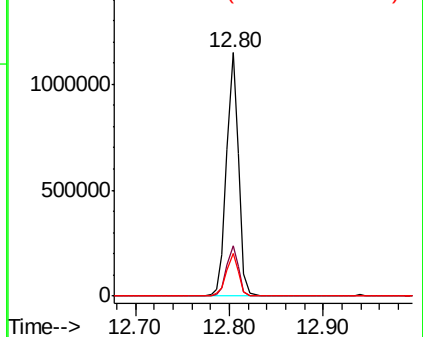
203 17.5 14.6 22.0

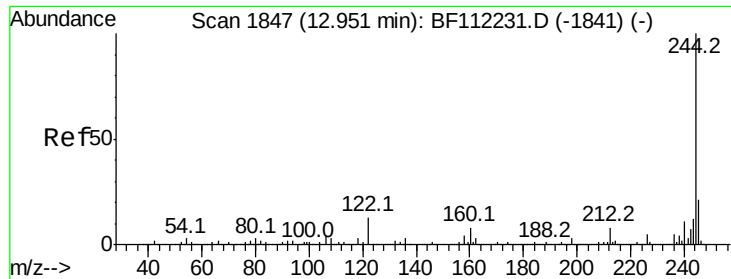


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

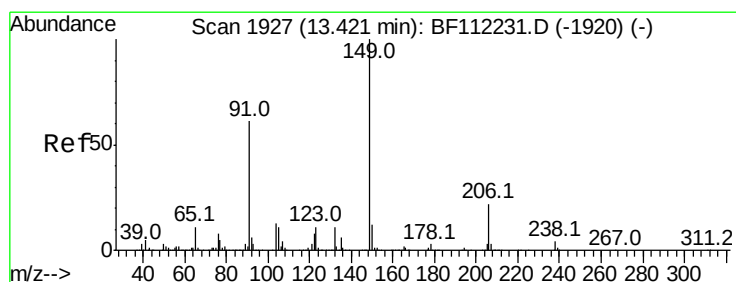
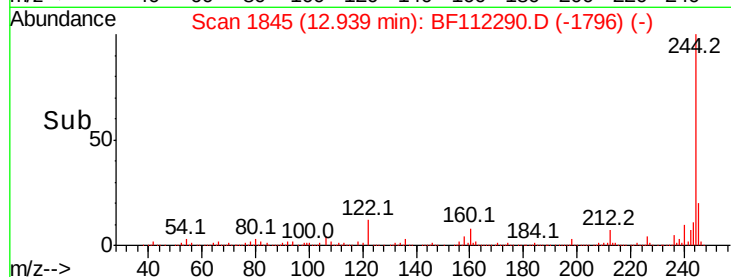
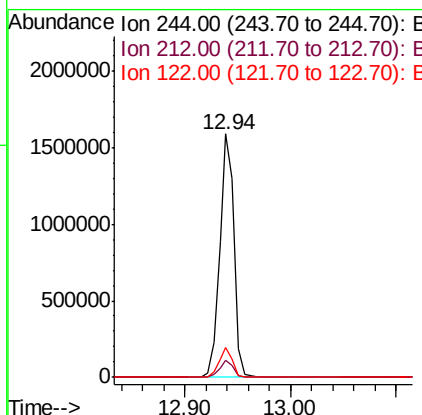
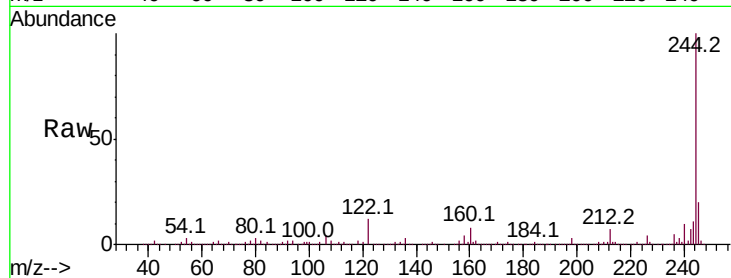




#79
 Terphenyl-d14
 Concen: 85.022 ng
 RT: 12.94 min Scan# 1845
 Delta R.T. -0.01 min
 Lab File: BF112290.D
 Acq: 29 Jan 2019 12:57

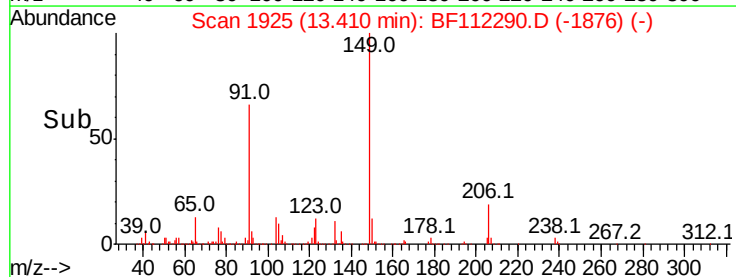
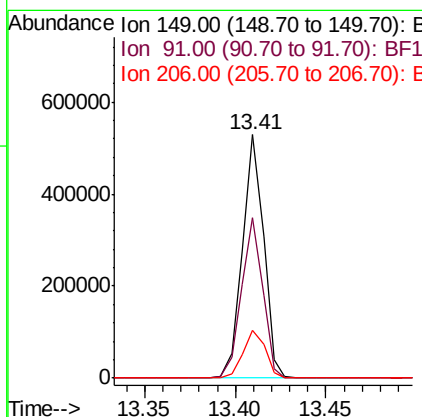
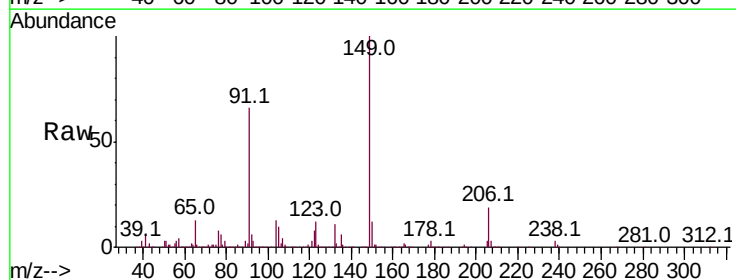
Instrument :
 BNA_F
 ClientSampleId :
 PB116683BS

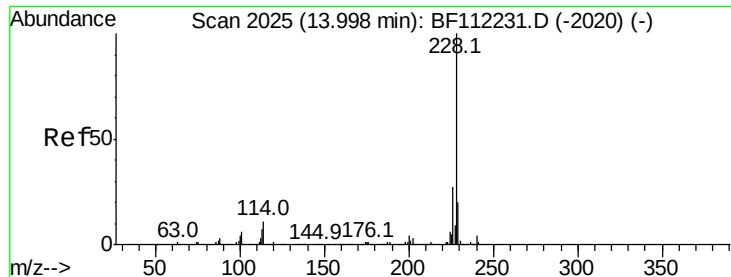
Tot Ion:244 Resp: 1508077
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.9 8.9
 122 12.3 9.8 14.6



#80
 Butylbenzylphthalate
 Concen: 38.438 ng
 RT: 13.41 min Scan# 1925
 Delta R.T. -0.01 min
 Lab File: BF112290.D
 Acq: 29 Jan 2019 12:57

Tgt Ion:149 Resp: 430134
 Ion Ratio Lower Upper
 149 100
 91 65.7 50.3 75.5
 206 19.4 18.2 27.4





#81

Benzo(a)anthracene

Concen: 39.971 ng

RT: 13.99 min Scan# 2024

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

Instrument :

BNA_F

ClientSampleId :

PB116683BS

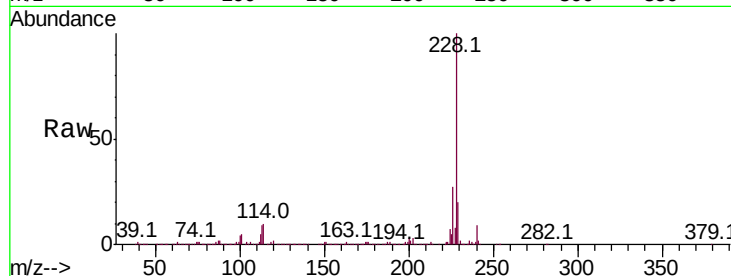
Tot Ion:228 Resp: 784982

Ion Ratio Lower Upper

228 100

226 27.3 22.6 34.0

229 19.6 16.5 24.7



Abundance

Ion 228.00 (227.70 to 228.70): E

1200000

Ion 226.00 (225.70 to 226.70): E

1000000

Ion 229.00 (228.70 to 229.70): E

800000

600000

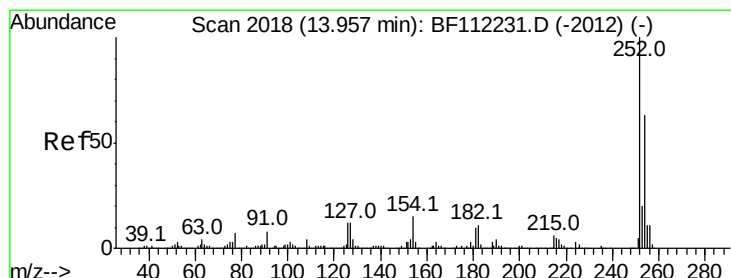
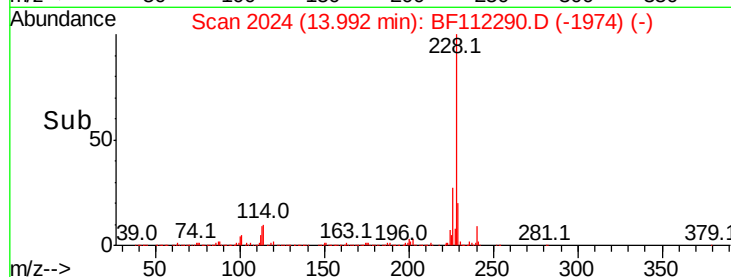
400000

200000

0

13.95 14.00

Time-->



#82

3,3'-Dichlorobenzidine

Concen: 30.429 ng

RT: 13.95 min Scan# 2017

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

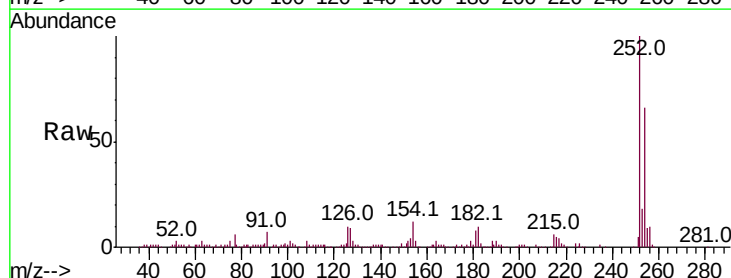
Tgt Ion:252 Resp: 223646

Ion Ratio Lower Upper

252 100

254 65.9 51.6 77.4

126 9.9 8.6 12.8



Abundance

Ion 252.00 (251.70 to 252.70): E

300000

Ion 254.00 (253.70 to 254.70): E

250000

Ion 126.00 (125.70 to 126.70): E

200000

150000

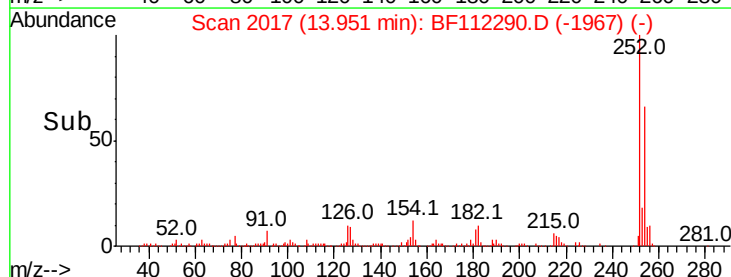
100000

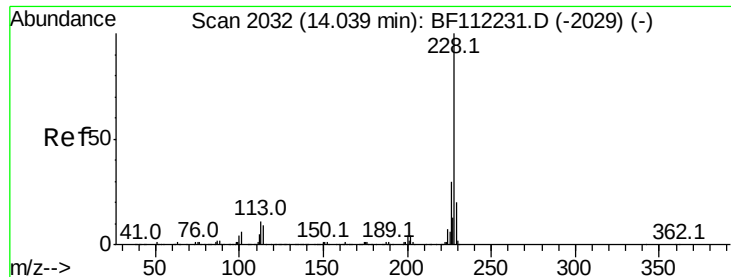
50000

0

13.90 13.95 14.00

Time-->





#83

Chrysene

Concen: 38.962 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

Instrument :

BNA_F

ClientSampleId :

PB116683BS

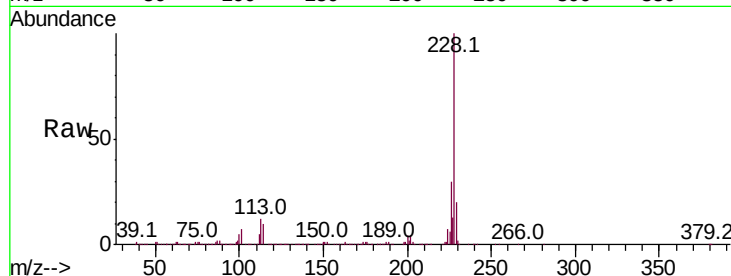
Tot Ion:228 Resp: 730395

Ion Ratio Lower Upper

228 100

226 30.2 25.0 37.6

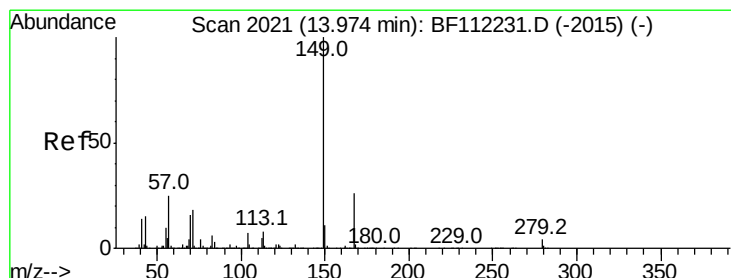
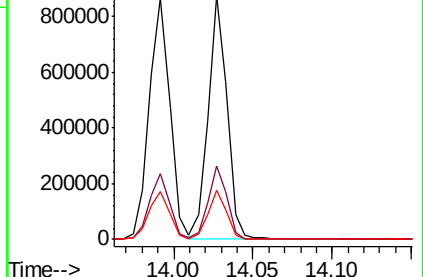
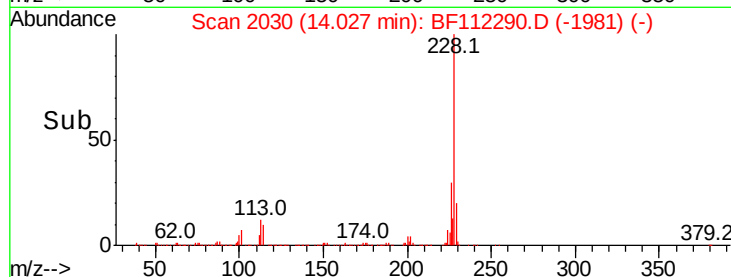
229 20.1 16.6 24.8



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#84

Bis(2-ethylhexyl)phthalate

Concen: 37.185 ng

RT: 13.97 min Scan# 2020

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

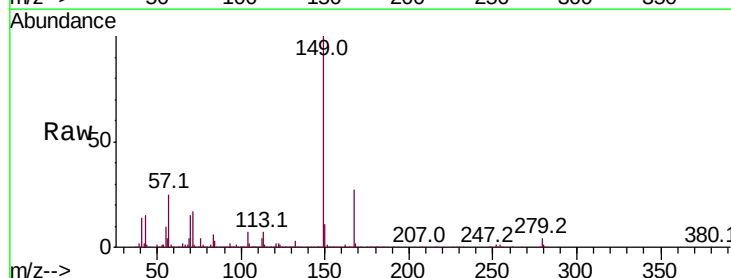
Tgt Ion:149 Resp: 590669

Ion Ratio Lower Upper

149 100

167 27.1 22.5 33.7

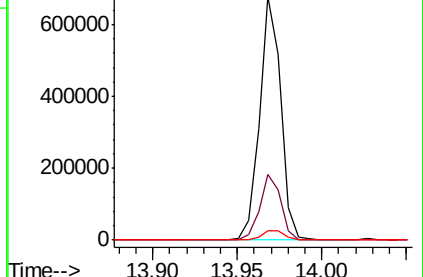
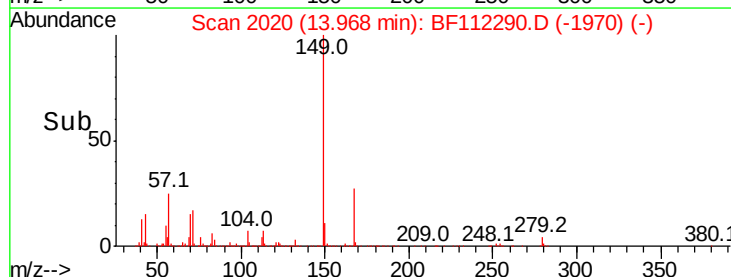
279 3.7 3.8 5.6#

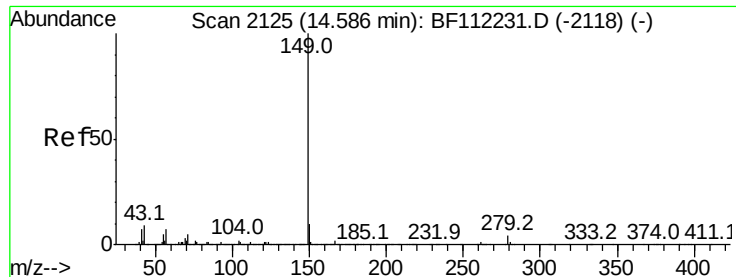


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 36.898 ng

RT: 14.58 min Scan# 2124

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

Instrument :

BNA_F

ClientSampleId :

PB116683BS

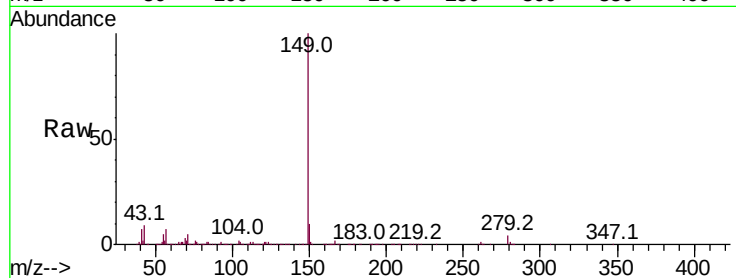
Tot Ion:149 Resp: 901751

Ion Ratio Lower Upper

149 100

167 1.5 1.3 1.9

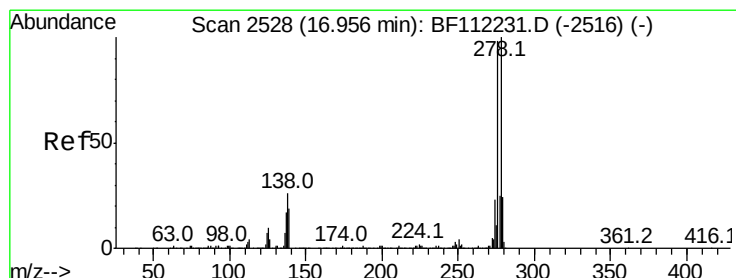
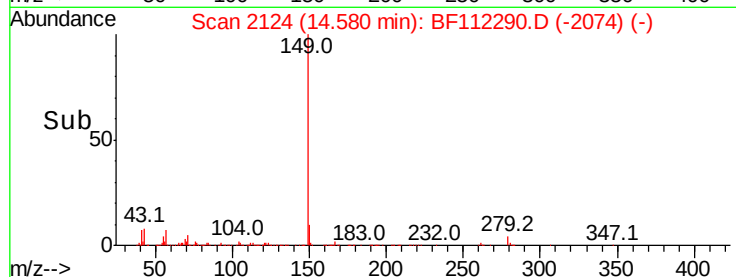
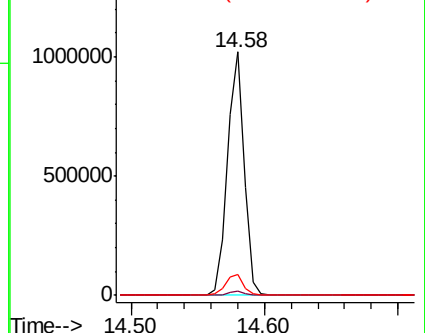
43 8.8 7.8 11.6



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: 60.323 ng

RT: 16.94 min Scan# 2526

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

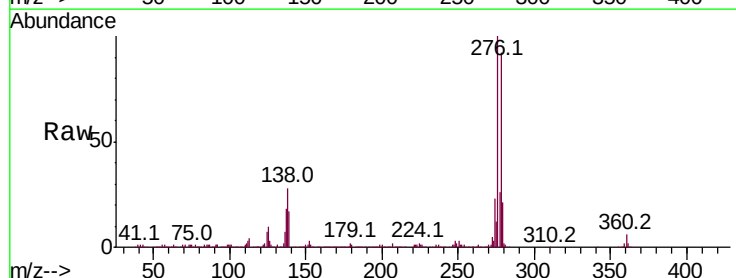
Tgt Ion:276 Resp: 896049

Ion Ratio Lower Upper

276 100

138 25.9 22.6 34.0

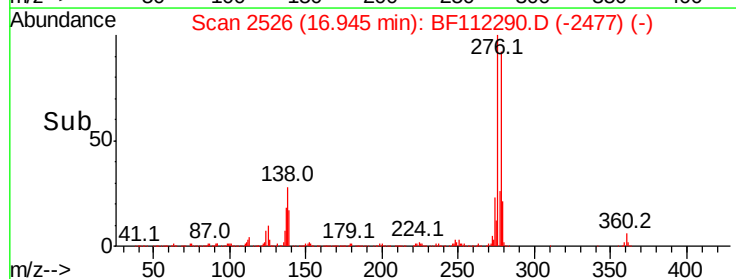
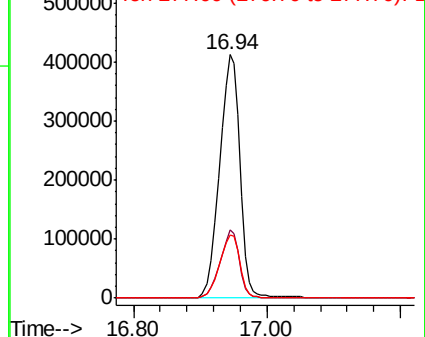
277 25.9 20.3 30.5

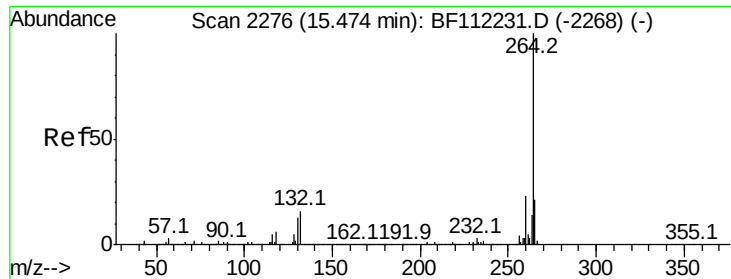


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

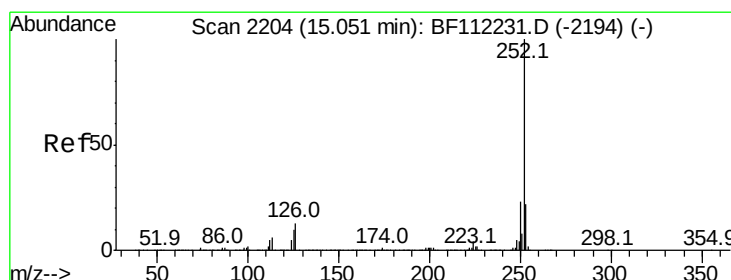
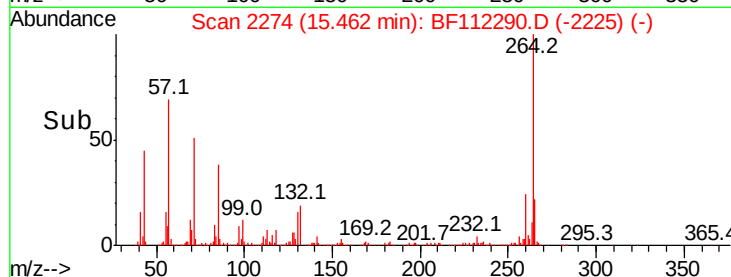
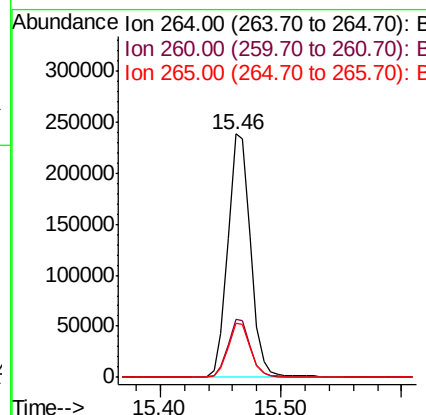
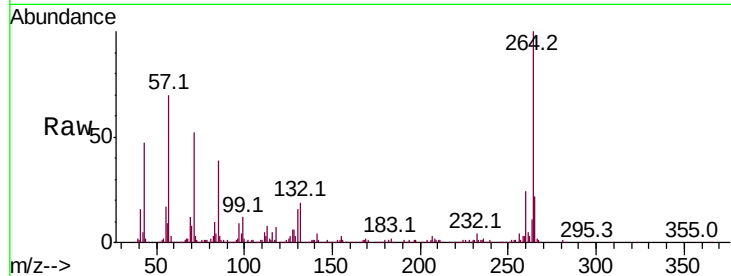




#87
Pervlene-d12
Concen: 20.000 ng
RT: 15.46 min Scan# 2274
Delta R.T. -0.01 min
Lab File: BF112290.D
Acq: 29 Jan 2019 12:57

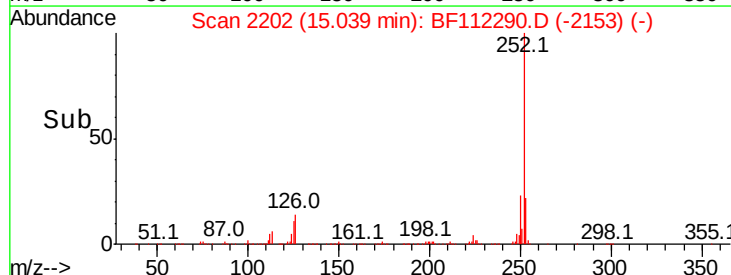
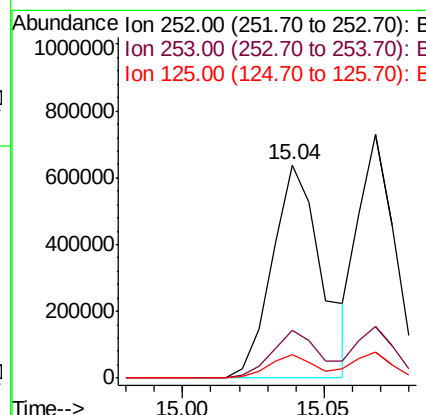
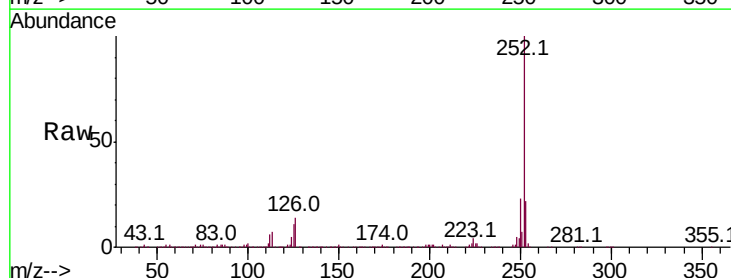
Instrument :
BNA_F
ClientSampleId :
PB116683BS

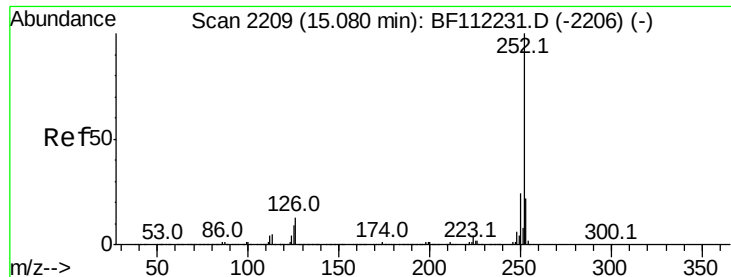
Tot Ion:264 Resp: 311224
Ion Ratio Lower Upper
264 100
260 23.6 18.2 27.2
265 22.4 17.0 25.4



#88
Benzo(b)fluoranthene
Concen: 41.902 ng
RT: 15.04 min Scan# 2202
Delta R.T. -0.01 min
Lab File: BF112290.D
Acq: 29 Jan 2019 12:57

Tgt Ion:252 Resp: 779905
Ion Ratio Lower Upper
252 100
253 22.3 18.0 27.0
125 11.0 8.7 13.1

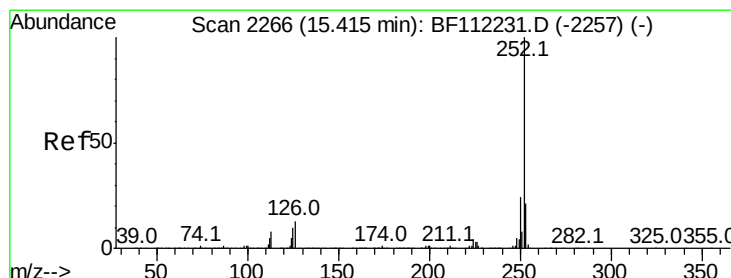
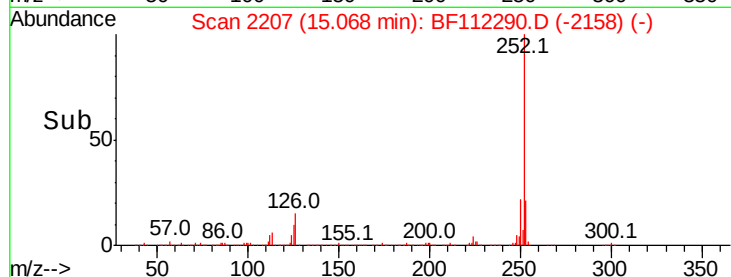
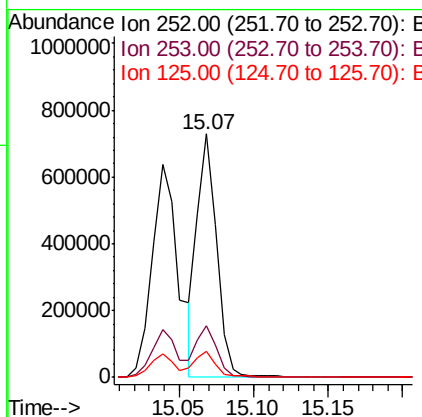
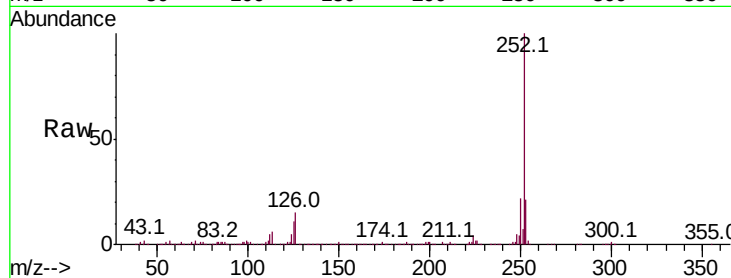




#89
Benzo(k)fluoranthene
Concen: 36.788 ng
RT: 15.07 min Scan# 2207
Delta R.T. -0.01 min
Lab File: BF112290.D
Acq: 29 Jan 2019 12:57

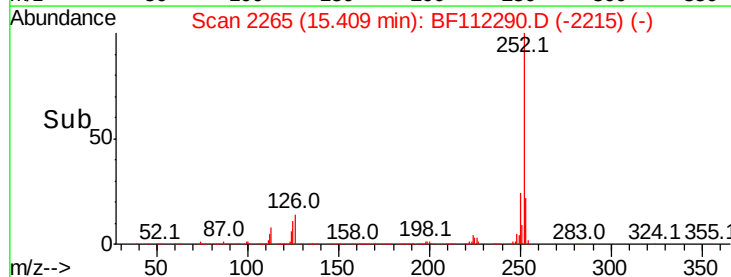
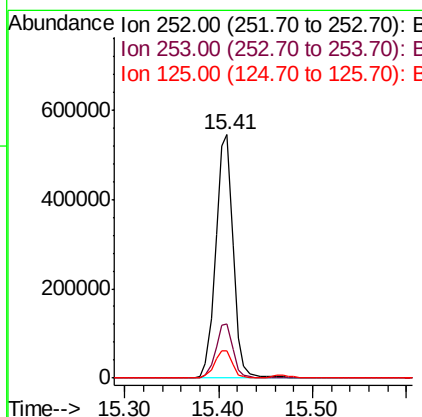
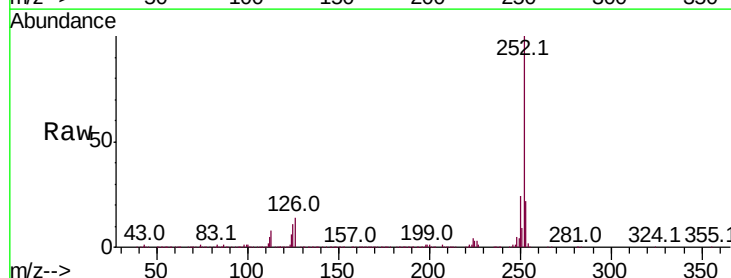
Instrument :
BNA_F
ClientSampleId :
PB116683BS

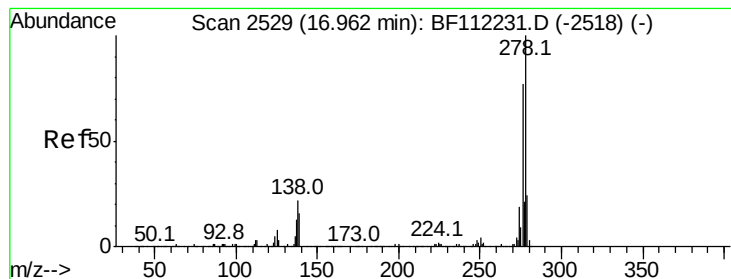
Tot Ion:252 Resp: 655864
Ion Ratio Lower Upper
252 100
253 21.4 18.0 27.0
125 10.5 9.1 13.7



#90
Benzo(a)pyrene
Concen: 42.256 ng
RT: 15.41 min Scan# 2265
Delta R.T. -0.01 min
Lab File: BF112290.D
Acq: 29 Jan 2019 12:57

Tgt Ion:252 Resp: 707682
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 11.0 9.0 13.4





#91

Dibenzo(a,h)anthracene

Concen: 55.831 ng

RT: 16.95 min Scan# 2527

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

Instrument :

BNA_F

ClientSampleId :

PB116683BS

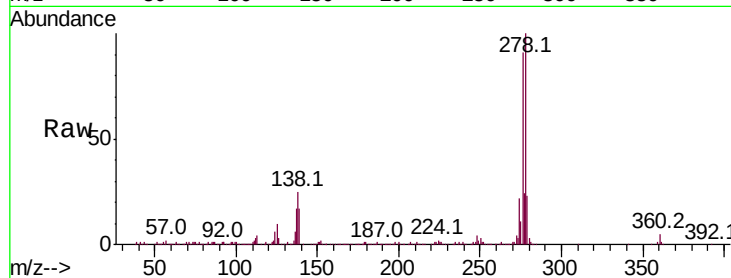
Tot Ion:278 Resp: 753588

Ion Ratio Lower Upper

278 100

139 17.3 13.7 20.5

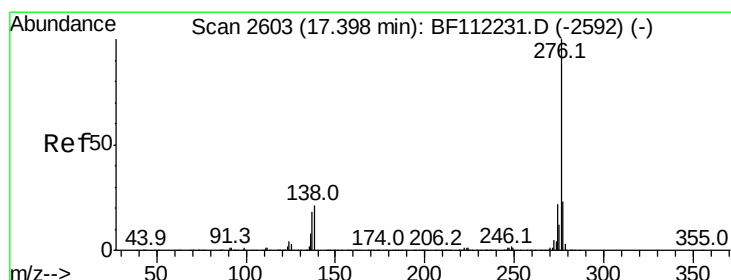
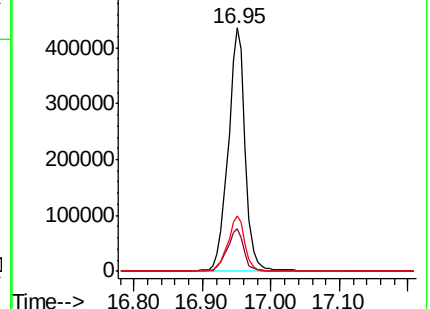
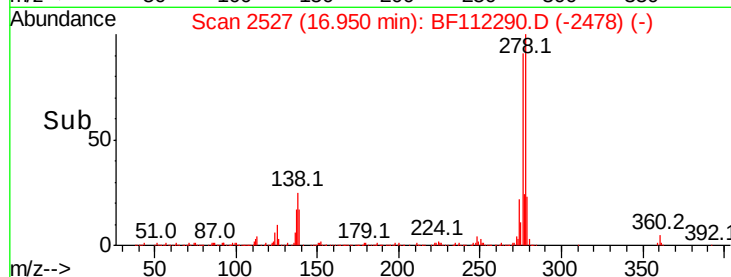
279 23.0 19.0 28.6



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#92

Benzo(g,h,i)perylene

Concen: 61.183 ng

RT: 17.39 min Scan# 2602

Delta R.T. -0.01 min

Lab File: BF112290.D

Acq: 29 Jan 2019 12:57

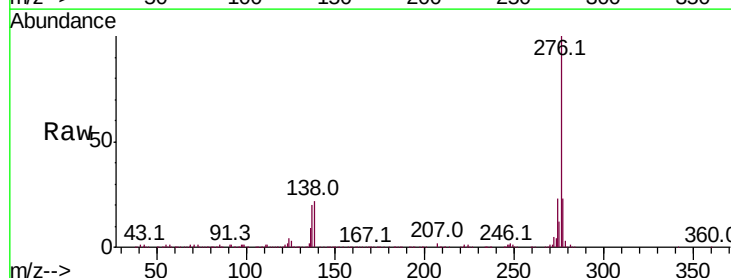
Tgt Ion:276 Resp: 779125

Ion Ratio Lower Upper

276 100

277 23.1 19.4 29.0

138 22.3 19.1 28.7



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

