

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF121218\
 Data File : BF111340.D
 Acq On : 12 Dec 2018 23:50
 Operator : JU/SJ
 Sample : J6189-05 2X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-121118-C

Quant Time: Dec 13 01:25:15 2018
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 13:16:52 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	232676	20.00	ng	0.00
21) Naphthalene-d8	8.08	136	754526	20.00	ng	0.00
39) Acenaphthene-d10	9.83	164	333233	20.00	ng	0.00
64) Phenanthrene-d10	11.32	188	587622	20.00	ng	0.00
76) Chrysene-d12	13.96	240	366586	20.00	ng	0.00
87) Perylene-d12	15.40	264	297166	20.00	ng	0.00

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.41	112	893337	64.93	ng	0.00
7) Phenol-d6	6.43	99	1085576	58.52	ng	0.00
23) Nitrobenzene-d5	7.35	82	600053	44.82	ng	-0.01
42) 2,4,6-Tribromophenol	10.62	330	168185	57.25	ng	0.00
45) 2-Fluorobiphenyl	9.15	172	972169	46.84	ng	0.00
79) Terphenyl-d14	12.90	244	828815	49.76	ng	0.00

Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	2.52	88	281	0.041	ng	# 1
3) Pyridine	3.26	79	135	0.008	ng	# 1
4) n-Nitrosodimethylamine	3.22	42	370	0.047	ng	# 1
6) Aniline	6.48	93	998	0.044	ng	# 1
8) 2-Chlorophenol	6.83	128	221	0.013	ng	# 1
9) Benzaldehyde	6.35	77	6493	Below Cal		# 1
10) Phenol	6.44	94	85200	4.054	ng	# 89
11) bis(2-Chloroethyl)ether	6.52	93	209	0.013	ng	# 1
12) 1,3-Dichlorobenzene	6.95	146	144	0.008	ng	# 1
13) 1,4-Dichlorobenzene	6.95	146	144	0.008	ng	# 1
14) 1,2-Dichlorobenzene	6.95	146	144	0.008	ng	# 1
15) Benzyl Alcohol	6.95	79	12274	0.864	ng	# 41
16) 2,2'-oxybis(1-Chloropropan	7.09	45	461	0.014	ng	# 1
17) 2-Methylphenol	7.05	107	681	0.050	ng	# 1
18) Hexachloroethane	7.33	117	36684	5.331	ng	# 1
19) n-Nitroso-di-n-propylamine	7.23	70	10794	0.876	ng	# 75
20) 3+4-Methylphenols	7.20	107	2015	0.124	ng	# 1
22) Acetophenone	7.19	105	131190	7.485	ng	# 35
24) Nitrobenzene	7.36	77	5157	0.374	ng	# 48
25) Isophorone	7.61	82	35142	1.545	ng	# 1
26) 2-Nitrophenol	7.71	139	3118	0.460	ng	# 1
27) 2,4-Dimethylphenol	7.74	122	3395	0.330	ng	# 1
28) bis(2-Chloroethoxy)methane	7.84	93	9499	0.609	ng	# 1
29) 2,4-Dichlorophenol	7.92	162	2414	0.225	ng	# 1
30) 1,2,4-Trichlorobenzene	8.03	180	262	0.024	ng	# 1
31) Naphthalene	8.10	128	65516	1.864	ng	# 94
32) Benzoic acid	7.87	122	4380	0.512	ng	# 21
33) 4-Chloroaniline	8.15	127	1887	0.126	ng	# 1
35) Caprolactam	8.51	113	31030	8.251	ng	# 1
36) 4-Chloro-3-methylphenol	8.63	107	1626	0.142	ng	# 39
37) 2-Methylnaphthalene	8.79	142	89159	3.923	ng	# 96
38) 1-Methylnaphthalene	8.89	142	59684	2.721	ng	# 96
43) 2,4,6-Trichlorophenol	9.05	196	1661	0.248	ng	# 12
44) 2,4,5-Trichlorophenol	9.13	196	2020	0.285	ng	# 1

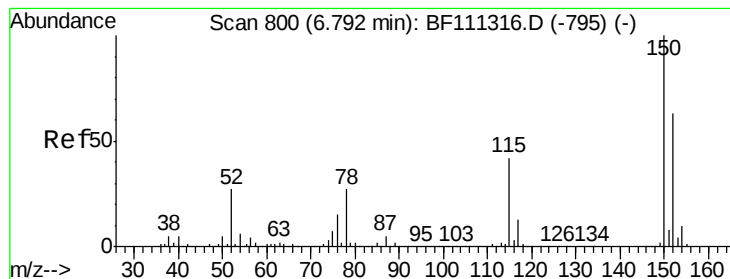
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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	9.25	154	25026	0.880	ng	89
47) 2-Chloronaphthalene	9.30	162	349	0.016	ng	# 1
48) 2-Nitroaniline	9.37	65	521	0.074	ng	# 63
49) Acenaphthylene	9.69	152	33843	1.064	ng	# 90
50) Dimethylphthalate	9.55	163	71120	2.968	ng	# 95
51) 2,6-Dinitrotoluene	9.55	165	3711	0.699	ng	# 68
52) Acenaphthene	9.86	154	44567	2.221	ng	98
53) 3-Nitroaniline	9.79	138	1092	0.171	ng	# 42
54) 2,4-Dinitrophenol	9.88	184	113	0.054	ng	# 1
55) Dibenzofuran	10.03	168	40850	1.410	ng	# 88
56) 4-Nitrophenol	9.94	139	2928	0.637	ng	# 8
57) 2,4-Dinitrotoluene	10.03	165	2360	0.347	ng	# 51
58) Fluorene	10.37	166	80833	3.901	ng	# 98
59) 2,3,4,6-Tetrachlorophenol	10.18	232	139	0.025	ng	# 34
60) Diethylphthalate	10.25	149	14099	0.584	ng	# 95
61) 4-Chlorophenyl-phenylether	10.37	204	349	0.034	ng	# 1
62) 4-Nitroaniline	10.37	138	1974	0.322	ng	# 84
63) Azobenzene	10.49	77	2183	0.090	ng	# 21
65) 4,6-Dinitro-2-methylphenol	10.45	198	108	0.032	ng	# 1
66) n-Nitrosodiphenylamine	10.49	169	14205	0.680	ng	# 77
67) 4-Bromophenyl-phenylether	10.62	248	11448	1.750	ng	# 1
69) Atrazine	11.02	200	2249	0.372	ng	# 55
70) Pentachlorophenol	11.23	266	107	0.024	ng	# 20
71) Phenanthrene	11.34	178	828282	27.270	ng	94
72) Anthracene	11.39	178	242689	7.847	ng	95
73) Carbazole	11.54	167	56626	1.771	ng	96
74) Di-n-butylphthalate	11.88	149	6172	0.170	ng	# 82
75) Fluoranthene	12.53	202	1100345	37.110	ng	98
77) Benzidine	12.63	184	2084	0.301	ng	# 1
78) Pyrene	12.76	202	971935	34.354	ng	97
80) Butylbenzylphthalate	13.38	149	4510	0.332	ng	# 44
81) Benzo(a)anthracene	13.95	228	379409	18.498	ng	98
82) 3,3'-Dichlorobenzidine	13.89	252	1917	0.247	ng	# 62
83) Chrysene	13.98	228	333070	15.916	ng	96
84) Bis(2-ethylhexyl)phthalate	13.95	149	8650	0.521	ng	# 67
85) Di-n-octyl phthalate	14.56	149	6126	0.225	ng	# 66
86) Indeno(1,2,3-cd)pyrene	16.82	276	119373	7.294	ng	93
88) Benzo(b)fluoranthene	14.98	252	450639	26.668	ng	# 89
89) Benzo(k)fluoranthene	14.98	252	450639	26.717	ng	# 88
90) Benzo(a)pyrene	15.33	252	242336	15.402	ng	# 94
91) Dibenzo(a,h)anthracene	16.82	278	34716	2.652	ng	# 47
92) Benzo(g,h,i)perylene	17.24	276	105463	8.058	ng	93

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



#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 6.79 min Scan# 800

Delta R.T. 0.00 min

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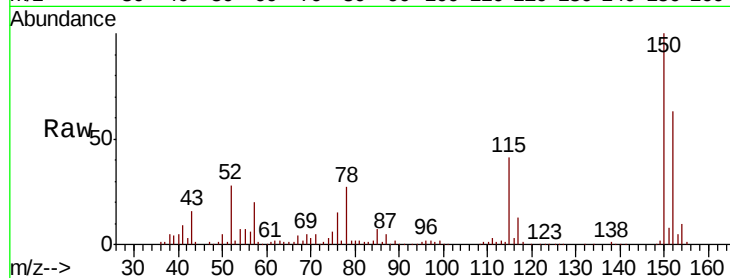
Tgt Ion:152 Resp: 232676

Ion Ratio Lower Upper

152 100

150 157.9 126.6 189.8

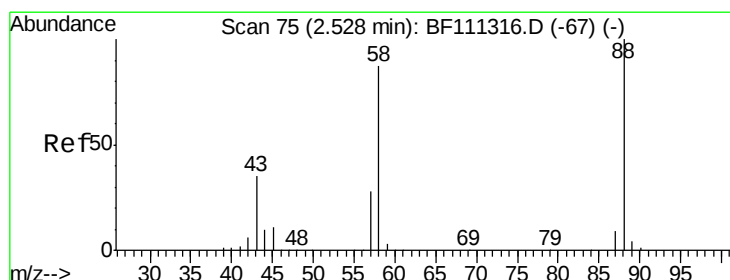
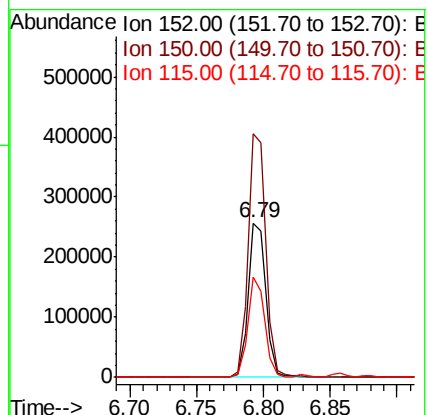
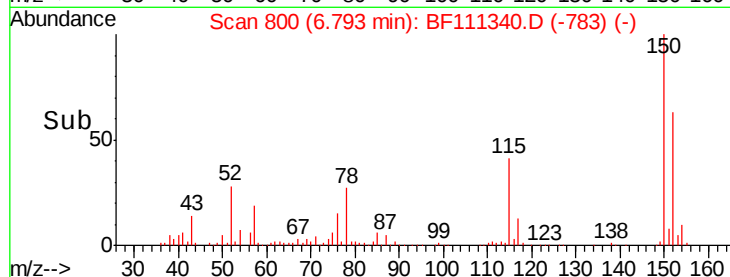
115 65.2 50.7 76.1



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: 0.041 ng

RT: 2.52 min Scan# 73

Delta R.T. -0.01 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

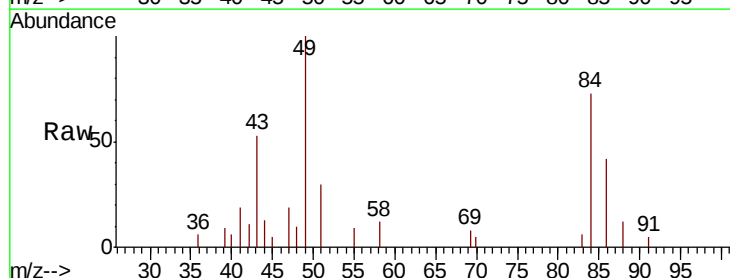
Tgt Ion: 88 Resp: 281

Ion Ratio Lower Upper

88 100

58 230.2 68.9 103.3#

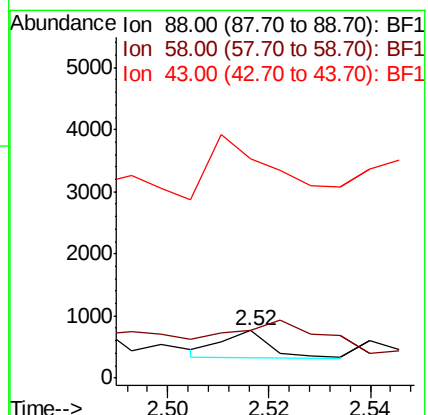
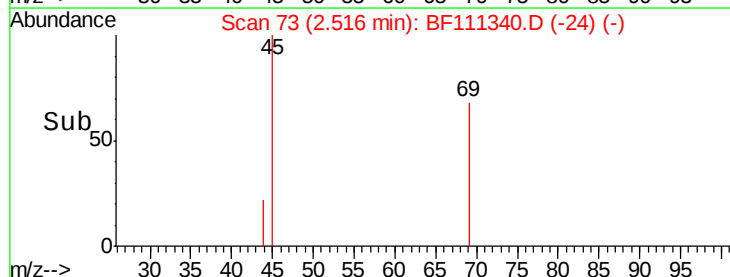
43 380.4 25.8 38.6#

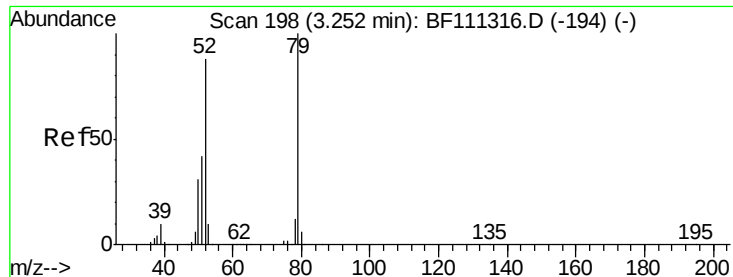


Abundance Ion 88.00 (87.70 to 88.70): BF1

Ion 58.00 (57.70 to 58.70): BF1

Ion 43.00 (42.70 to 43.70): BF1





#3

Pyridine

Concen: 0.008 ng

RT: 3.26 min Scan# 199

Delta R.T. 0.01 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

Instrument :

BNA_F

ClientSampleId :

HR-05-121118-C

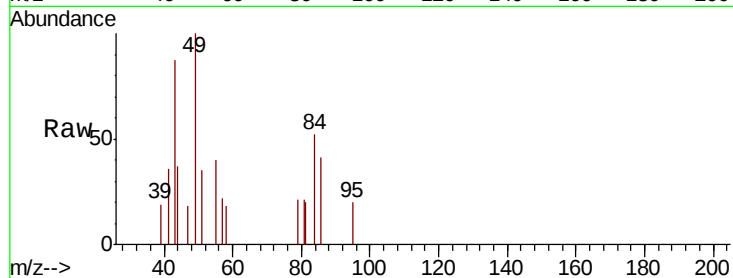
Tgt Ion: 79 Resp: 135

Ion Ratio Lower Upper

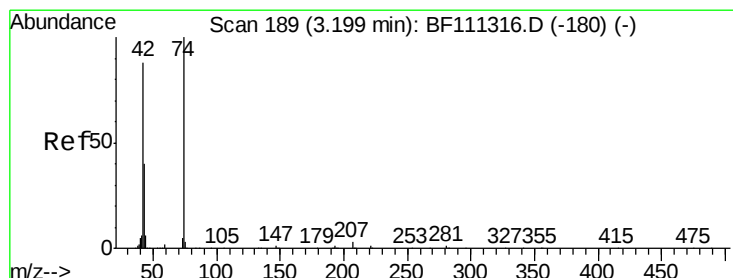
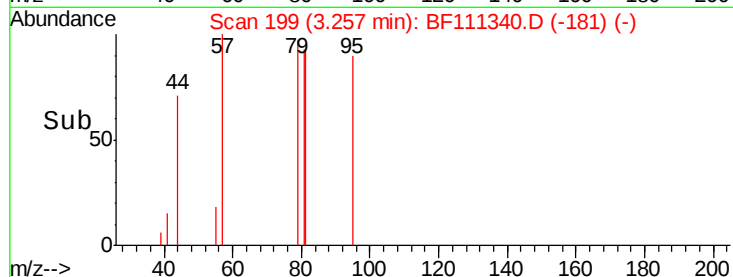
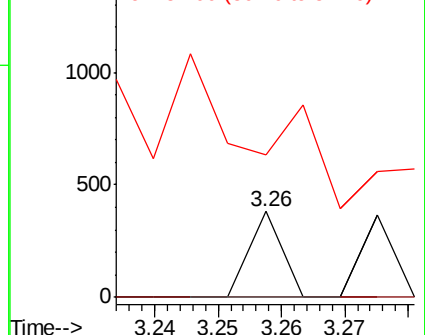
79 100

52 0.0 68.3 102.5#

51 164.8 32.6 49.0#



Abundance Ion 79.00 (78.70 to 79.70): BF1
Ion 52.00 (51.70 to 52.70): BF1
Ion 51.00 (50.70 to 51.70): BF1



#4

n-Nitrosodimethylamine

Concen: 0.047 ng

RT: 3.22 min Scan# 192

Delta R.T. 0.02 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

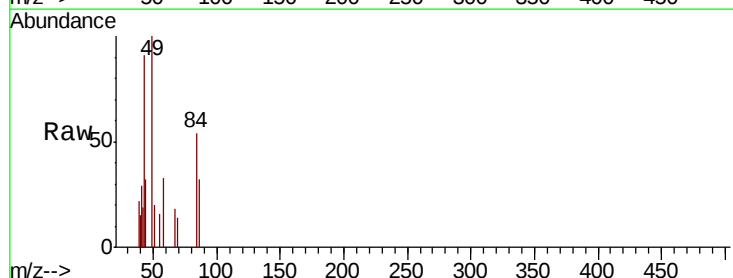
Tgt Ion: 42 Resp: 370

Ion Ratio Lower Upper

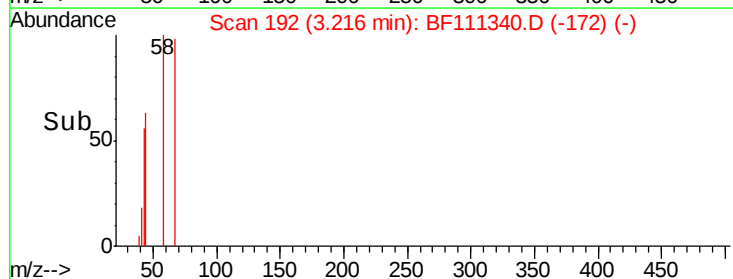
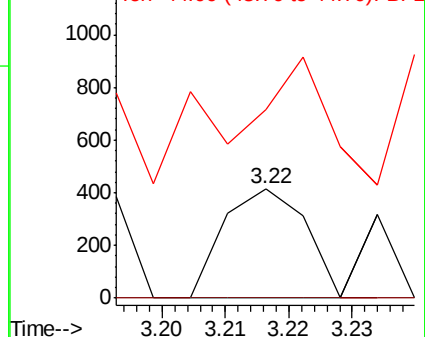
42 100

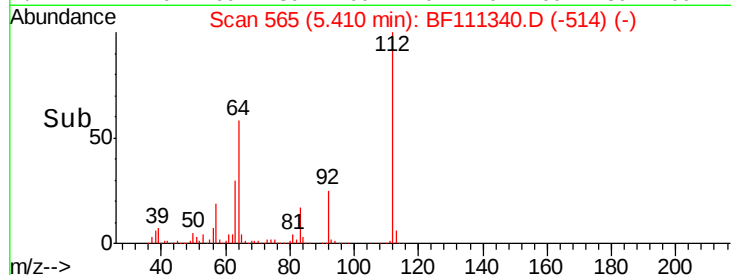
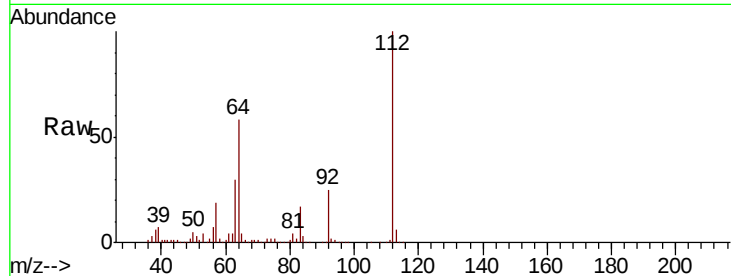
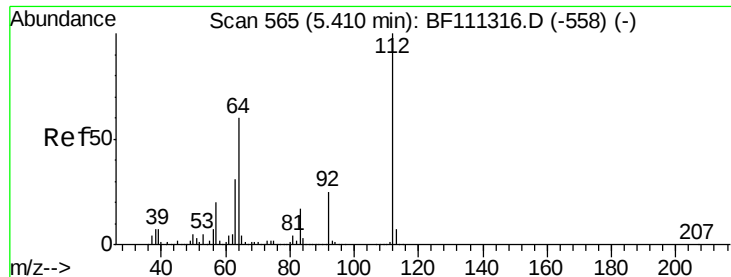
74 0.0 101.5 152.3#

44 172.6 6.0 9.0#



Abundance Ion 42.00 (41.70 to 42.70): BF1
Ion 74.00 (73.70 to 74.70): BF1
Ion 44.00 (43.70 to 44.70): BF1

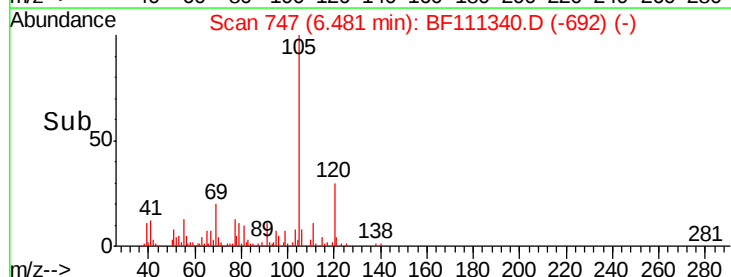
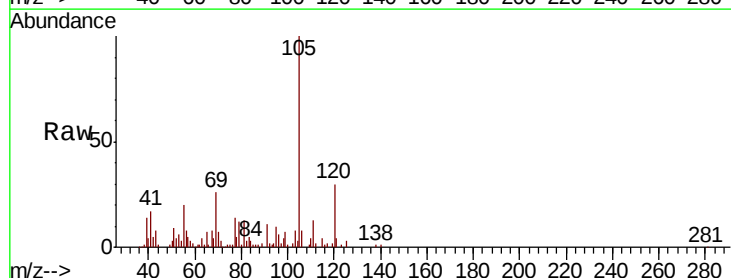
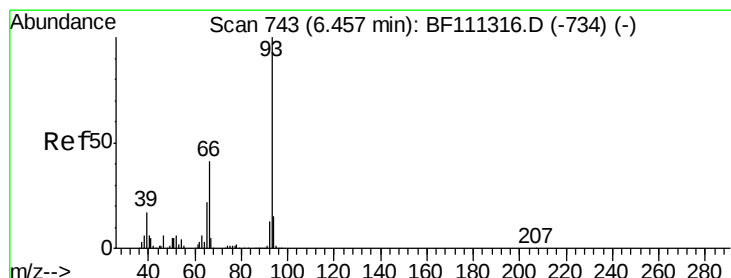
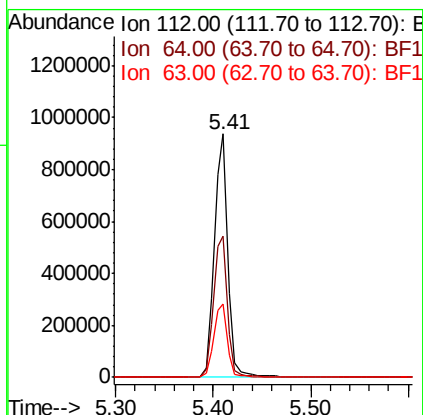




#5
2-Fluorophenol
Concen: 64.925 ng
RT: 5.41 min Scan# 565
Delta R.T. 0.00 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

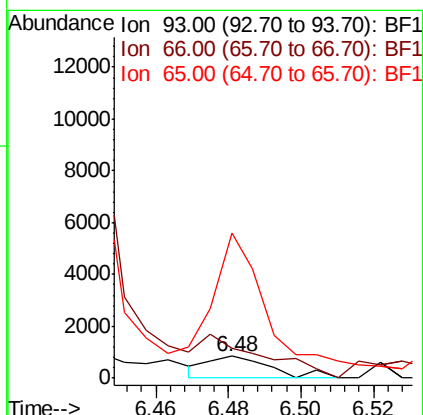
Instrument :
BNA_F
ClientSampleId :
HR-05-121118-C

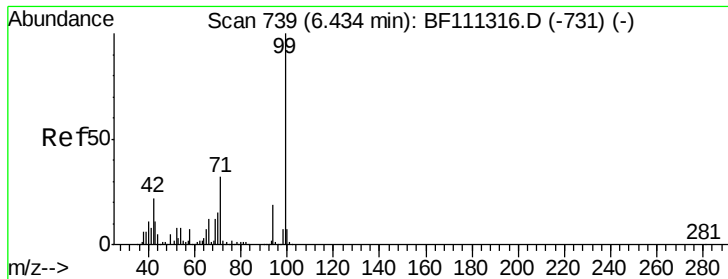
Tgt Ion	Ratio	Lower	Upper
112	100		
64	58.0	51.8	77.6
63	30.3	26.8	40.2



#6
Aniline
Concen: 0.044 ng
RT: 6.48 min Scan# 747
Delta R.T. 0.02 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Tgt Ion	Ratio	Lower	Upper
93	100		
66	136.6	33.2	49.8#
65	671.0	17.0	25.4#





#7

Phenol-d6

Concen: 58.517 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

Instrument :

BNA_F

ClientSampleId :

HR-05-121118-C

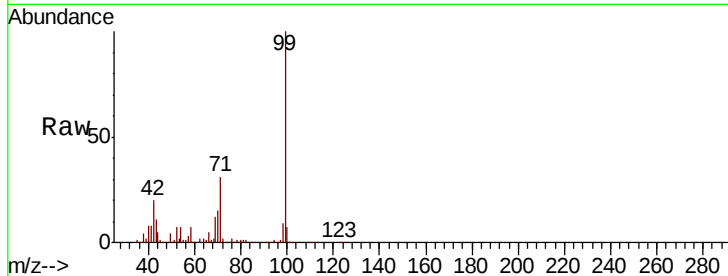
Tgt Ion: 99 Resp: 1085576

Ion Ratio Lower Upper

99 100

42 20.5 17.4 26.0

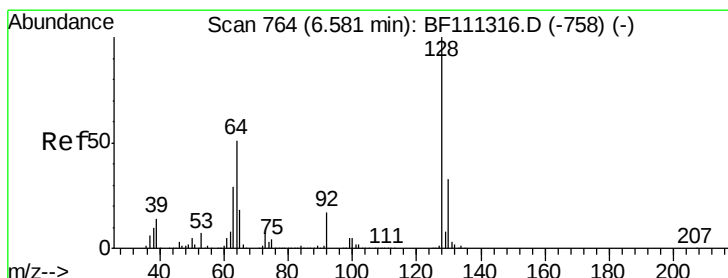
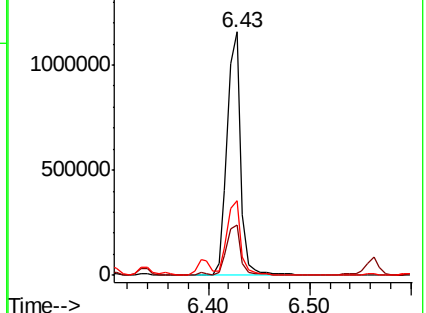
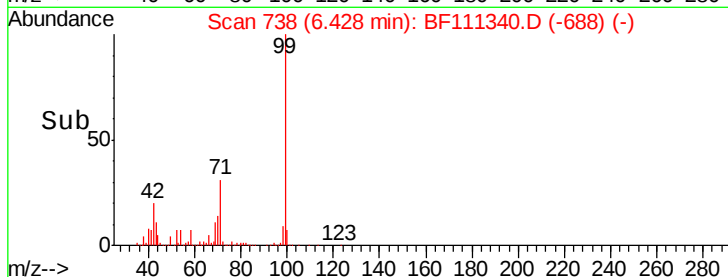
71 30.7 26.1 39.1



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: 0.013 ng

RT: 6.83 min Scan# 806

Delta R.T. 0.25 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

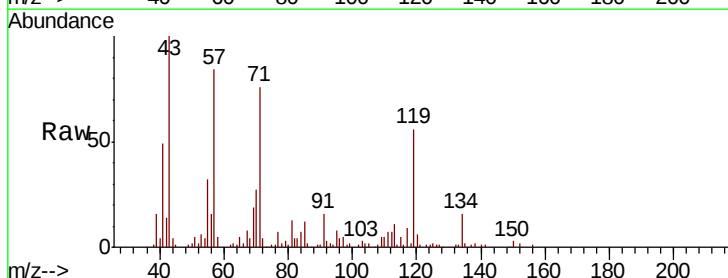
Tgt Ion: 128 Resp: 221

Ion Ratio Lower Upper

128 100

130 0.0 12.7 52.7#

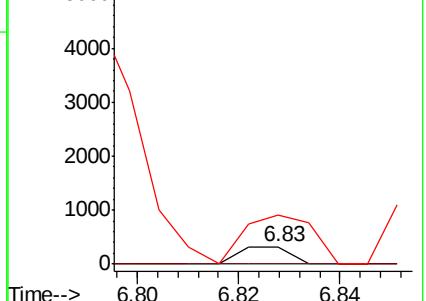
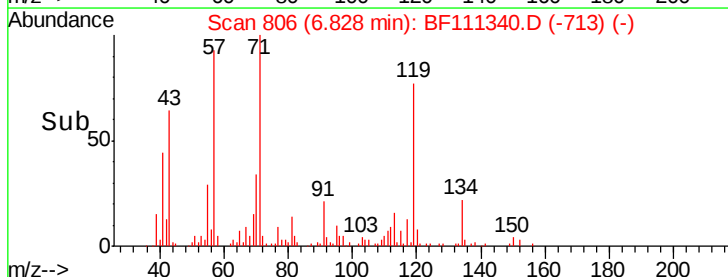
64 279.8 30.0 70.0#

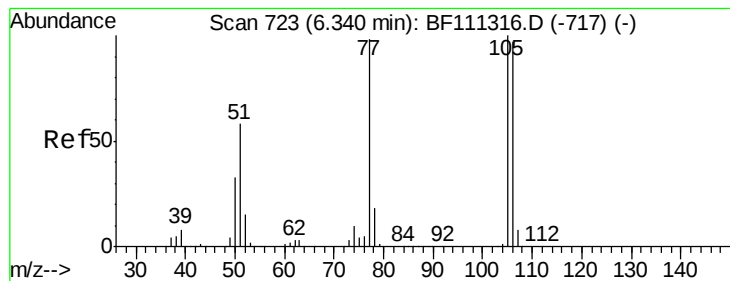


Abundance Ion 128.00 (127.70 to 128.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 64.00 (63.70 to 64.70): BF1





#9

Benzaldehyde

Concen: Below Cal

RT: 6.35 min Scan# 725

Delta R.T. 0.01 min

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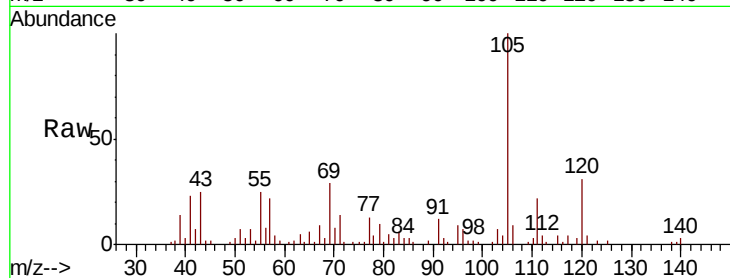
Tgt Ion: 77 Resp: 6493

Ion Ratio Lower Upper

77 100

105 772.8 81.4 121.4#

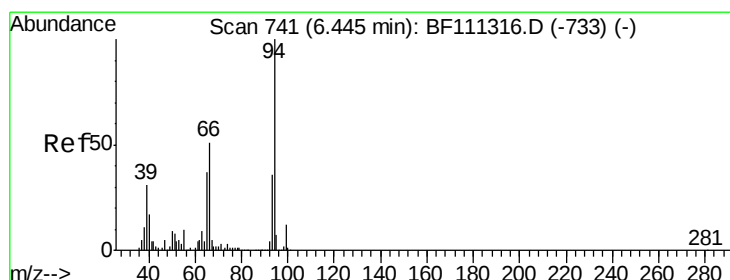
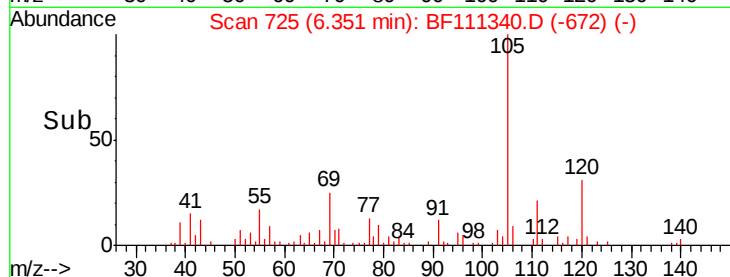
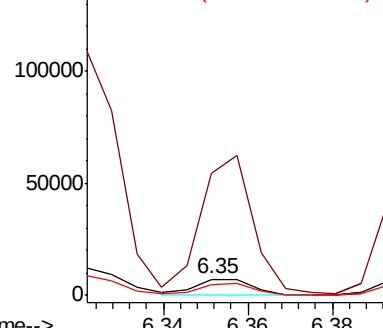
106 70.9 77.9 117.9#



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#10

Phenol

Concen: 4.054 ng

RT: 6.44 min Scan# 740

Delta R.T. -0.01 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

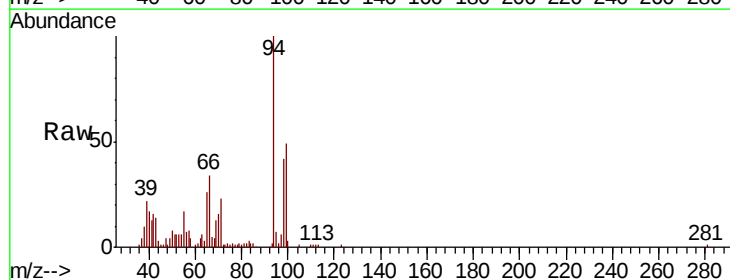
Tgt Ion: 94 Resp: 85200

Ion Ratio Lower Upper

94 100

65 25.6 11.7 51.7

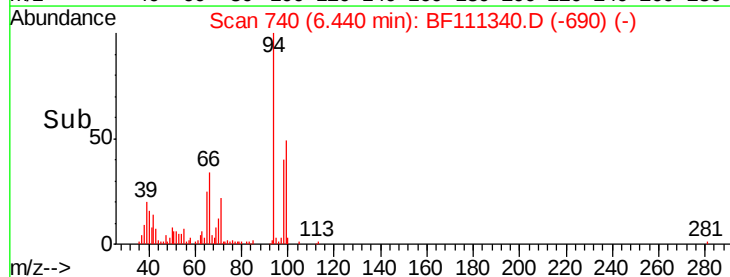
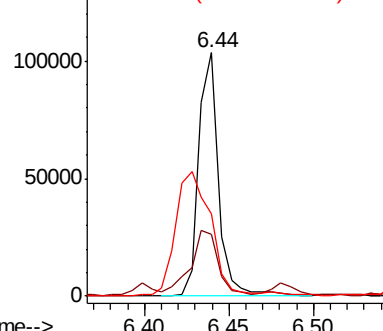
66 34.0 21.0 61.0

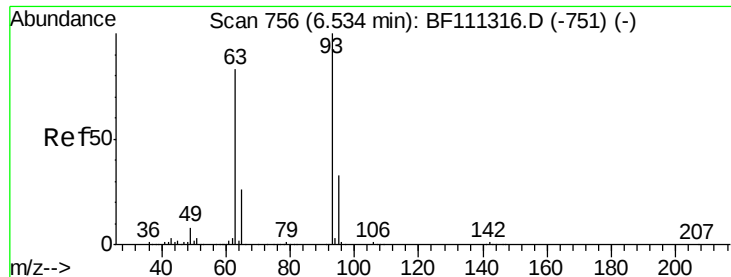


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

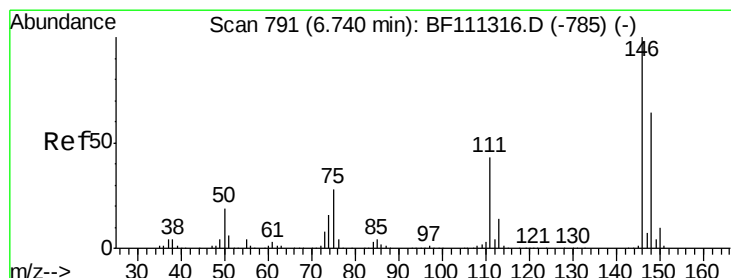
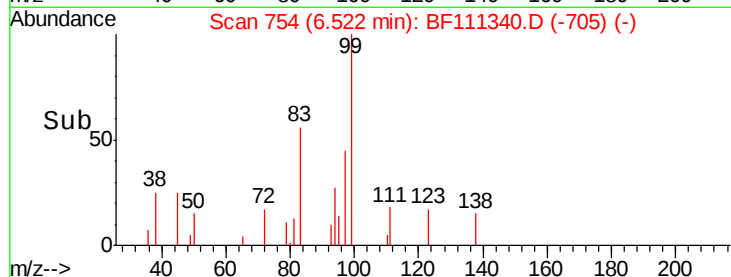
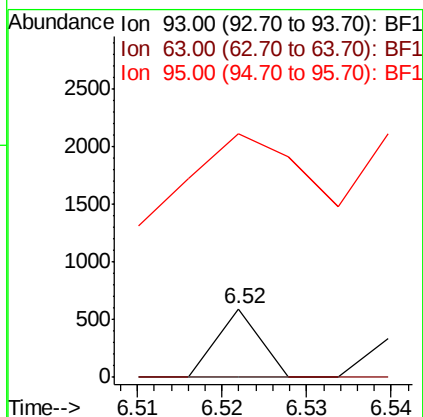
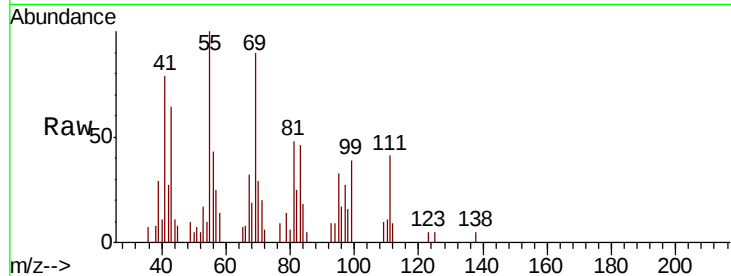




#11
bis(2-Chloroethyl)ether
Concen: 0.013 ng
RT: 6.52 min Scan# 754
Delta R.T. -0.01 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

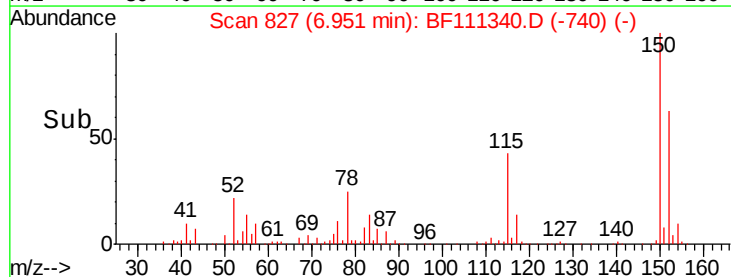
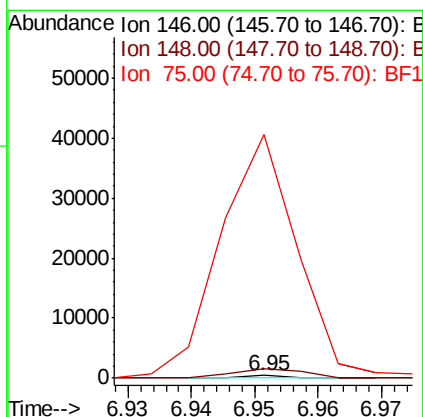
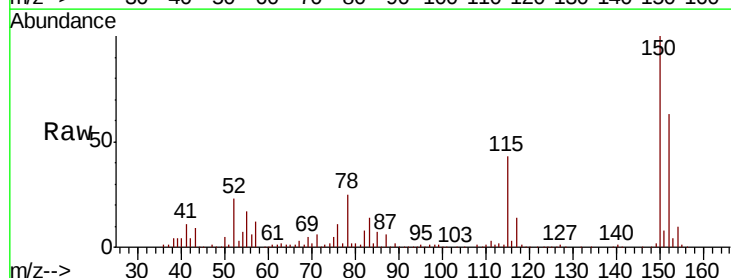
Instrument :
BNA_F
ClientSampleId :
HR-05-121118-C

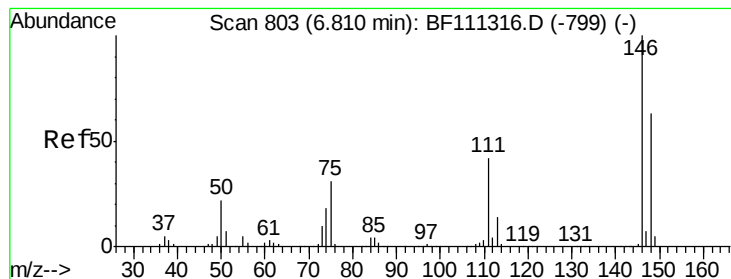
Tgt Ion: 93 Resp: 209
Ion Ratio Lower Upper
93 100
63 0.0 60.0 100.0#
95 356.0 13.4 53.4#



#12
1,3-Dichlorobenzene
Concen: 0.008 ng
RT: 6.95 min Scan# 827
Delta R.T. 0.21 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Tgt Ion: 146 Resp: 144
Ion Ratio Lower Upper
146 100
148 365.7 52.1 78.1#
75 9952.9 23.9 35.9#





#13

1,4-Dichlorobenzene

Concen: 0.008 ng

RT: 6.95 min Scan# 827

Delta R.T. 0.14 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

Instrument :

BNA_F

ClientSampleId :

HR-05-121118-C

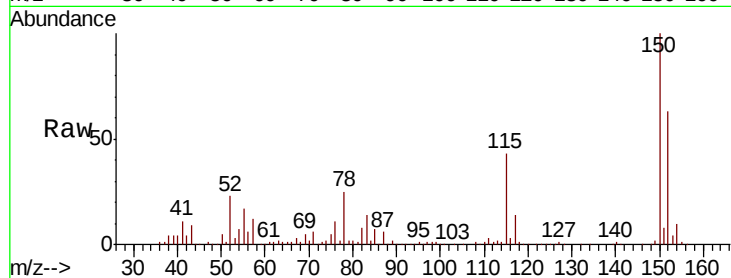
Tgt Ion:146 Resp: 144

Ion Ratio Lower Upper

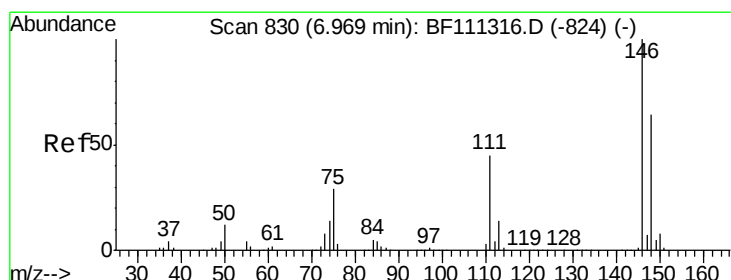
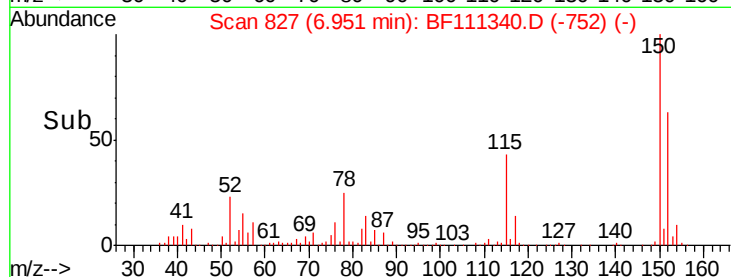
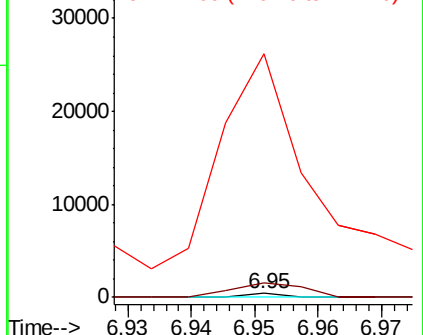
146 100

148 365.7 52.8 79.2#

111 6419.6 33.4 50.0#



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E



#14

1,2-Dichlorobenzene

Concen: 0.008 ng

RT: 6.95 min Scan# 827

Delta R.T. -0.02 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

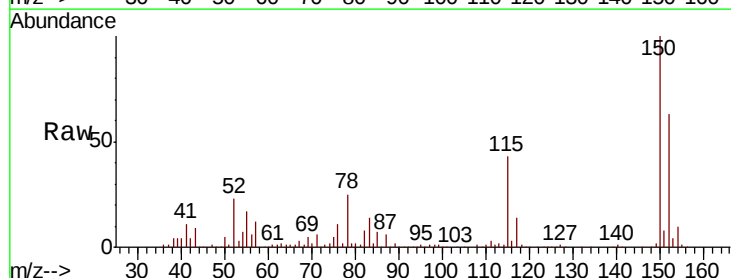
Tgt Ion:146 Resp: 144

Ion Ratio Lower Upper

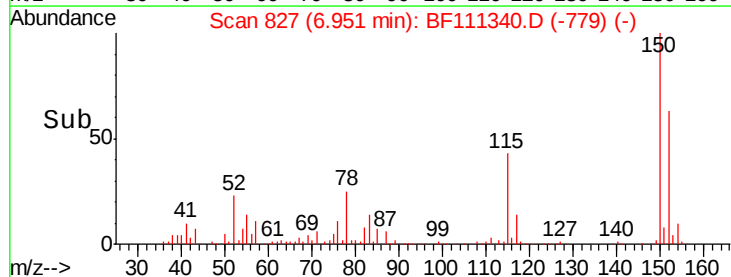
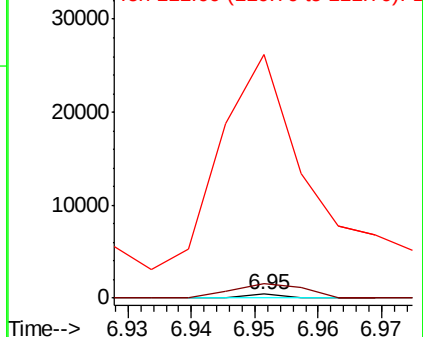
146 100

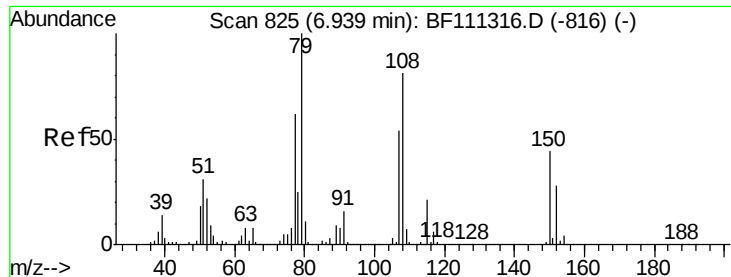
148 365.7 51.9 77.9#

111 6419.6 36.2 54.4#



Abundance Ion 146.00 (145.70 to 146.70): E
Ion 148.00 (147.70 to 148.70): E
Ion 111.00 (110.70 to 111.70): E





#15

Benzyl Alcohol

Concen: 0.864 ng

RT: 6.95 min Scan# 827

Delta R.T. 0.01 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

Instrument :

BNA_F

ClientSampleId :

HR-05-121118-C

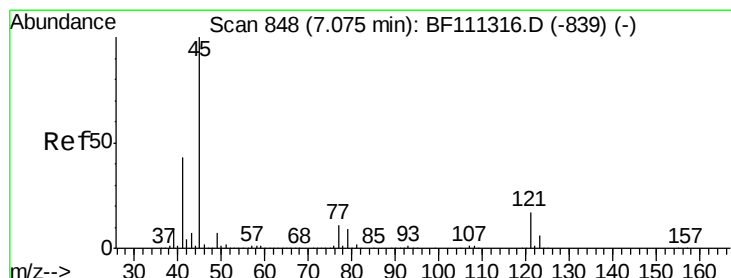
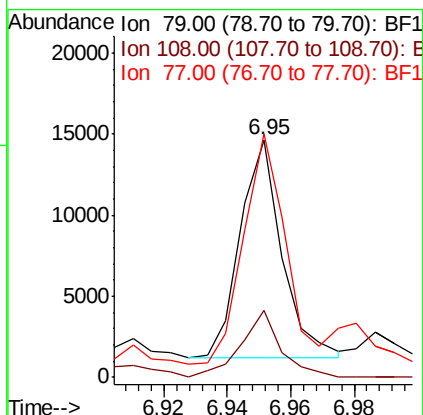
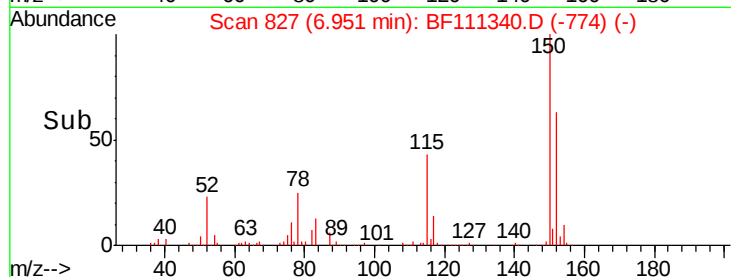
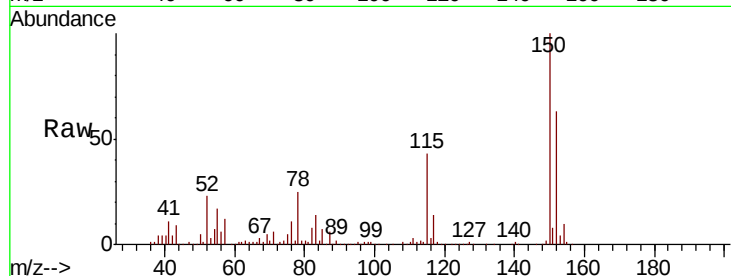
Tgt Ion: 79 Resp: 12274

Ion Ratio Lower Upper

79 100

108 28.3 69.4 104.2#

77 102.6 49.7 74.5#



#16

2,2'-oxybis(1-Chloropropane)

Concen: 0.014 ng

RT: 7.09 min Scan# 851

Delta R.T. 0.02 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

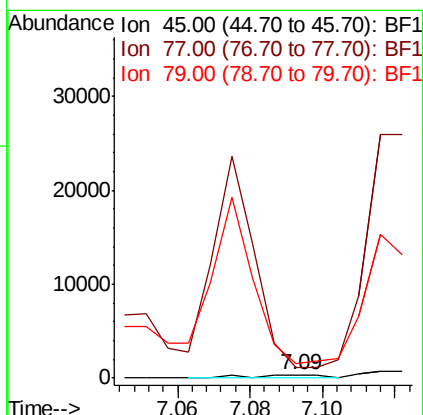
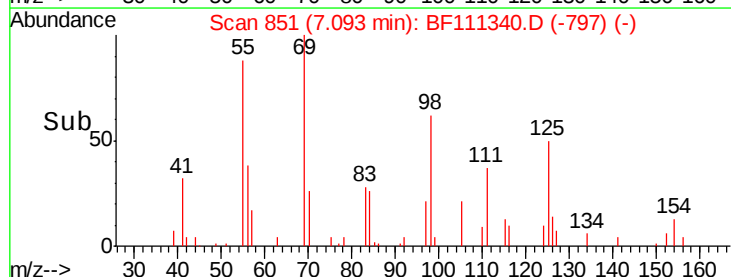
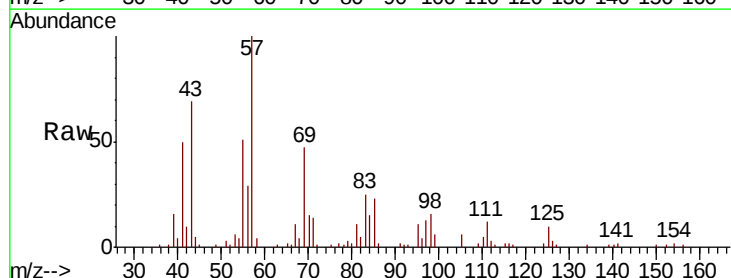
Tgt Ion: 45 Resp: 461

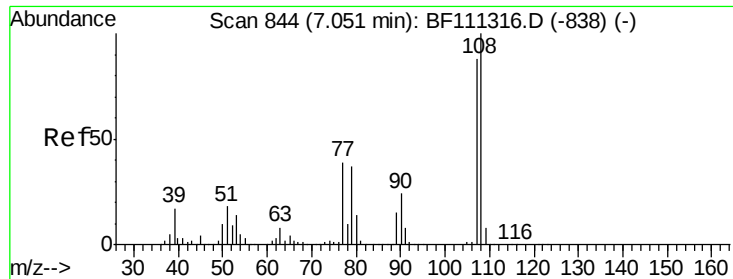
Ion Ratio Lower Upper

45 100

77 296.2 0.0 31.5#

79 429.7 0.0 28.9#

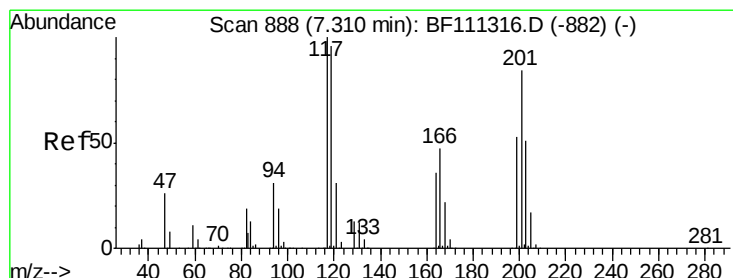
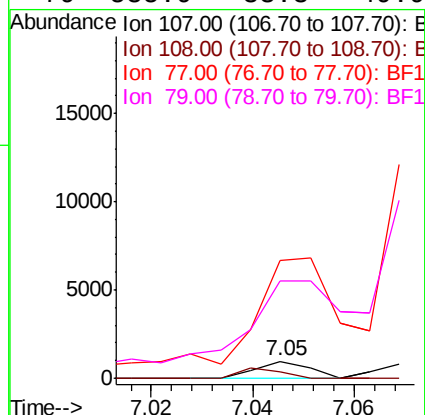
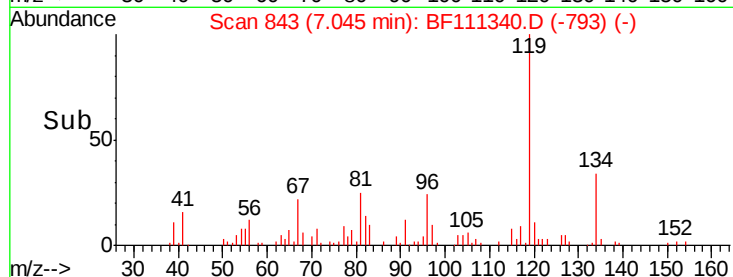
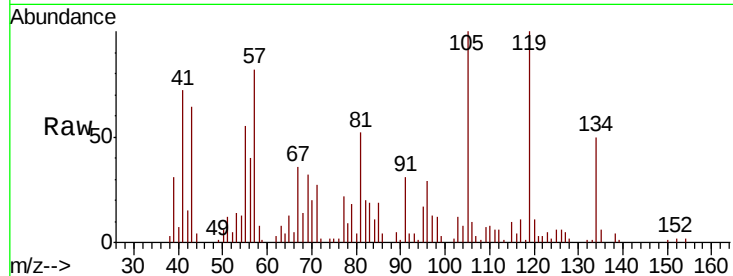




#17
2-Methylphenol
Concen: 0.050 ng
RT: 7.05 min Scan# 843
Delta R.T. -0.01 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

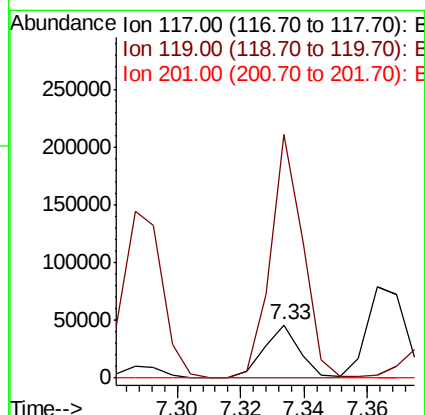
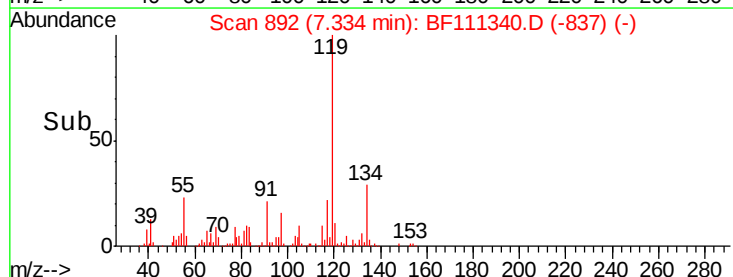
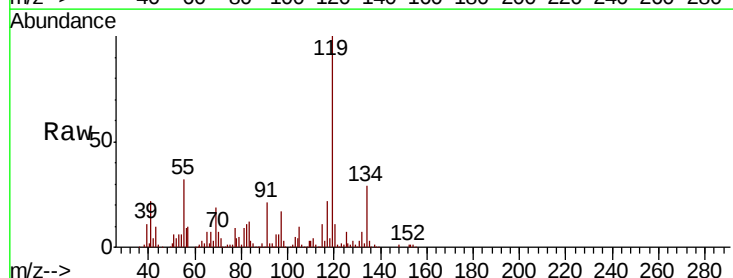
Instrument :
BNA_F
ClientSampleId :
HR-05-121118-C

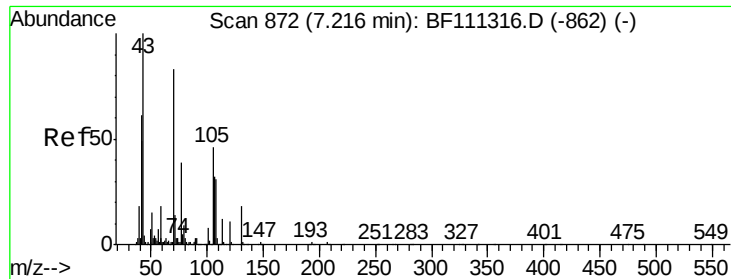
Tgt Ion:107 Resp: 681
Ion Ratio Lower Upper
107 100
108 40.2 91.0 136.4#
77 707.3 33.5 50.3#
79 585.9 33.3 49.9#



#18
Hexachloroethane
Concen: 5.331 ng
RT: 7.33 min Scan# 892
Delta R.T. 0.02 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Tgt Ion:117 Resp: 36684
Ion Ratio Lower Upper
117 100
119 454.9 75.4 113.0#
201 0.0 62.4 93.6#

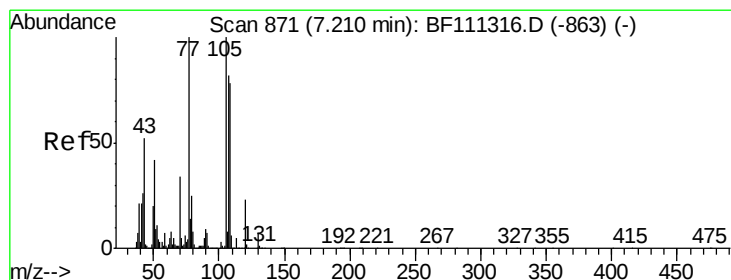
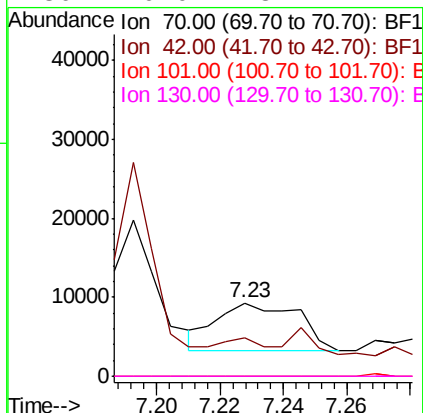
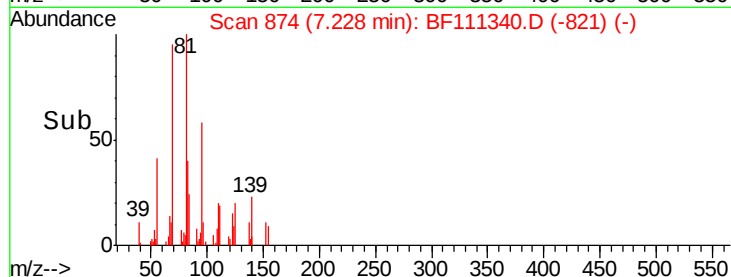
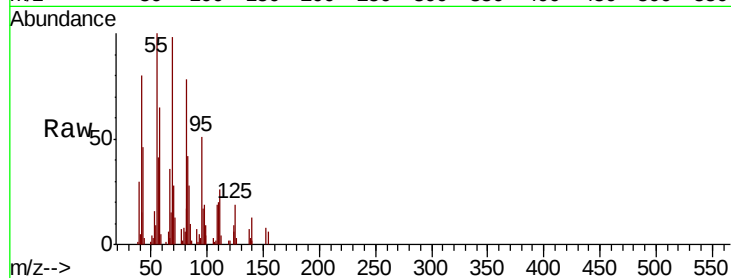




#19
n-Nitroso-di-n-propylamine
Concen: 0.876 ng
RT: 7.23 min Scan# 874
Delta R.T. 0.01 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

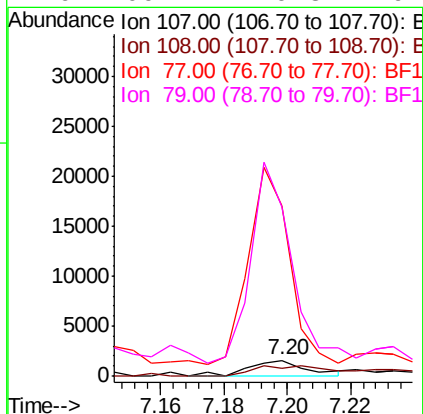
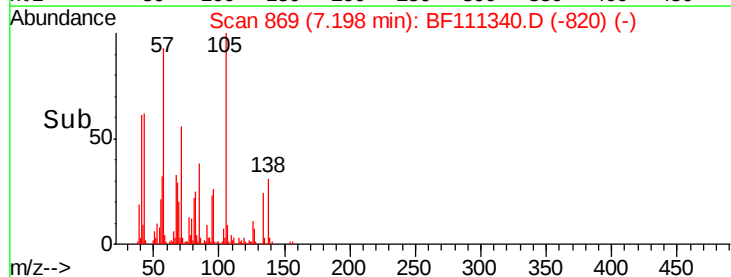
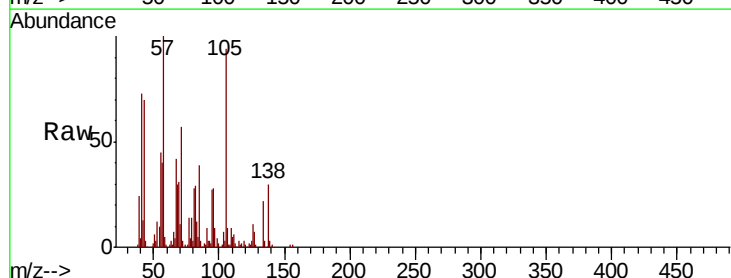
Instrument :
BNA_F
ClientSampleId :
HR-05-121118-C

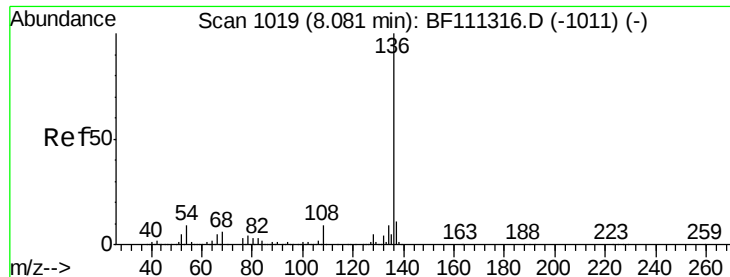
Tgt Ion: 70 Resp: 10794
Ion Ratio Lower Upper
70 100
42 52.2 53.2 79.8#
101 0.0 8.2 12.4#
130 0.0 18.1 27.1#



#20
3+4-Methylphenols
Concen: 0.124 ng
RT: 7.20 min Scan# 869
Delta R.T. -0.01 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Tgt Ion: 107 Resp: 2015
Ion Ratio Lower Upper
107 100
108 53.5 72.1 112.1#
77 1092.2 94.1 134.1#
79 1091.7 9.8 49.8#

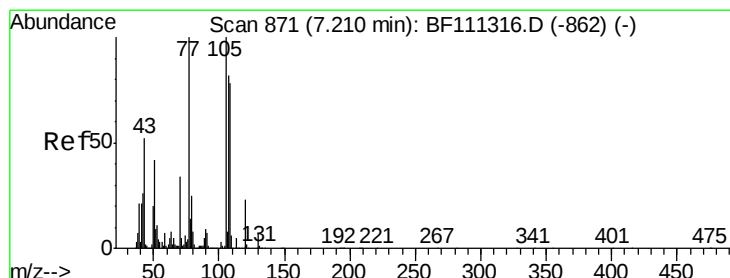
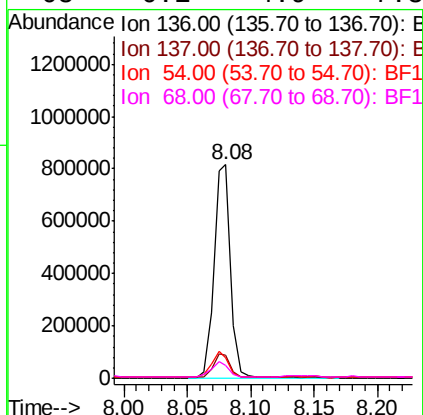
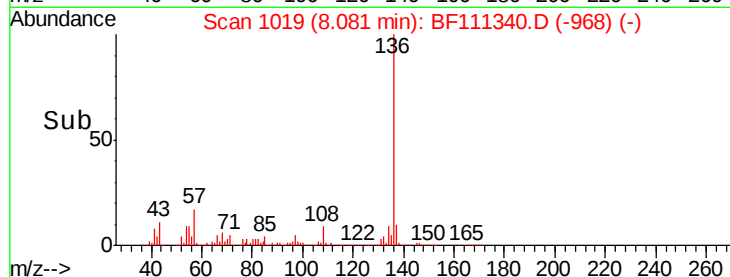
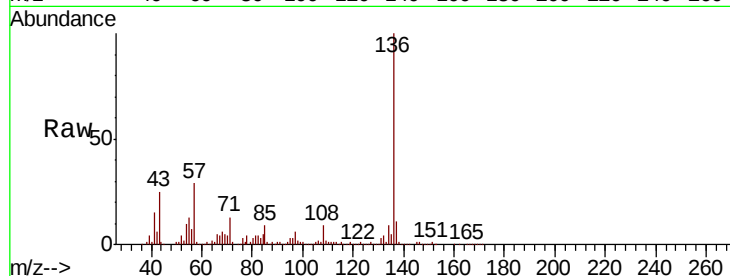




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.08 min Scan# 1019
Delta R.T. 0.00 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

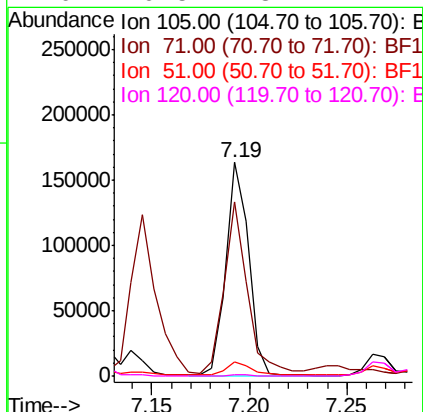
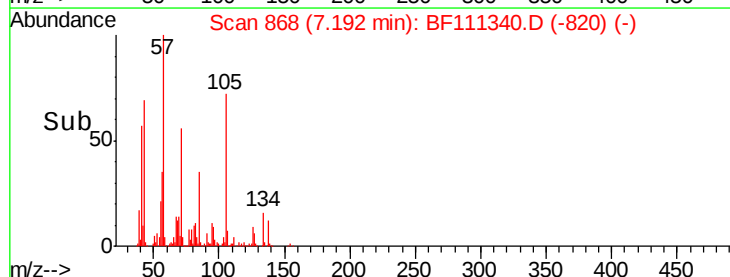
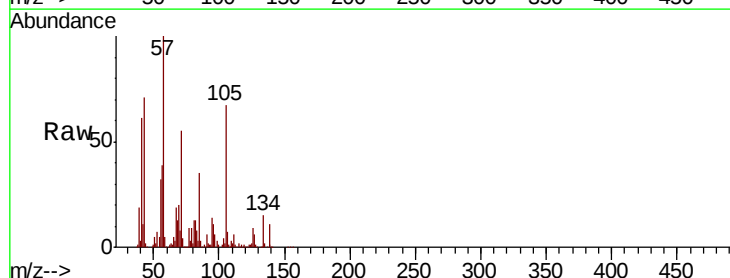
Instrument :
BNA_F
ClientSampleId :
HR-05-121118-C

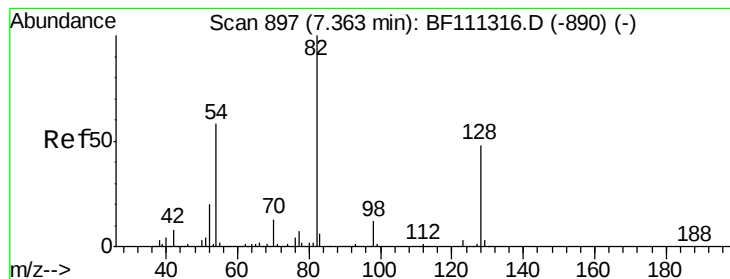
Tgt Ion:	136	Resp:	754526
Ion	Ratio	Lower	Upper
136	100		
137	10.5	9.1	13.7
54	9.5	7.7	11.5
68	6.1	4.9	7.3



#22
Acetophenone
Concen: 7.485 ng
RT: 7.19 min Scan# 868
Delta R.T. -0.02 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Tgt Ion:	105	Resp:	131190
Ion	Ratio	Lower	Upper
105	100		
71	81.7	3.1	4.7#
51	6.8	36.6	54.8#
120	0.5	18.2	27.4#





#23

Nitrobenzene-d5

Concen: 44.824 ng

RT: 7.35 min Scan# 895

Delta R.T. -0.01 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

Instrument :

BNA_F

ClientSampleId :

HR-05-121118-C

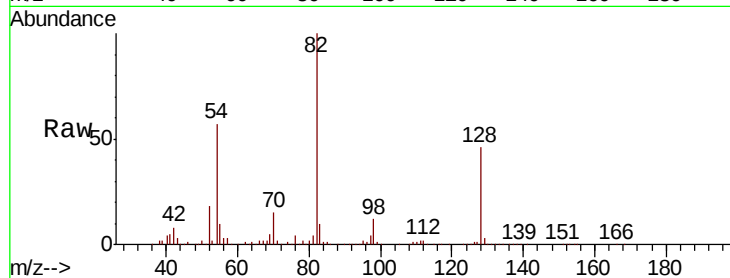
Tgt Ion: 82 Resp: 600053

Ion Ratio Lower Upper

82 100

128 46.3 37.4 56.2

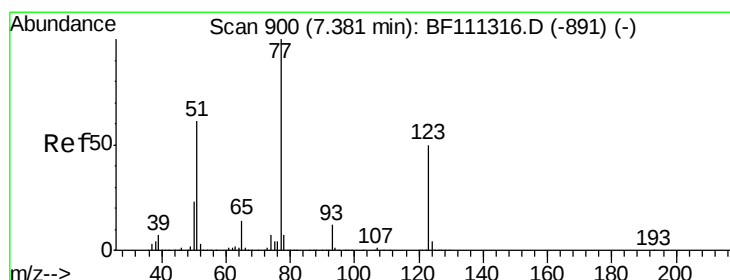
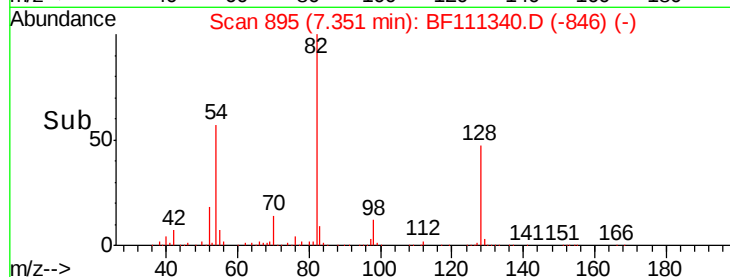
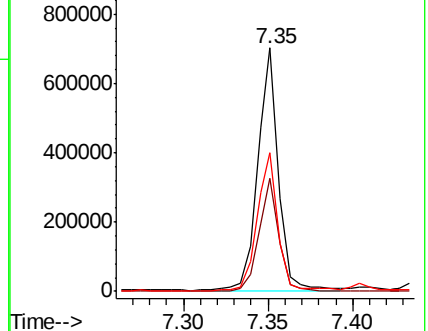
54 57.2 47.6 71.4



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: 0.374 ng

RT: 7.36 min Scan# 897

Delta R.T. -0.02 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

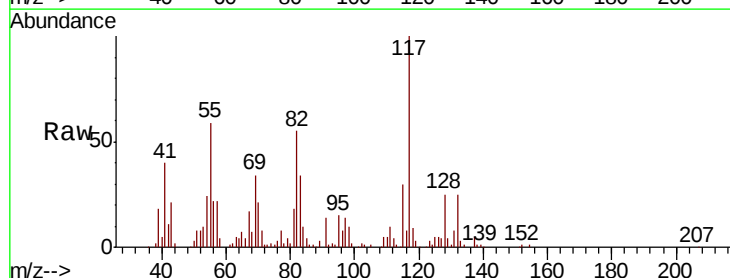
Tgt Ion: 77 Resp: 5157

Ion Ratio Lower Upper

77 100

123 40.6 37.2 55.8

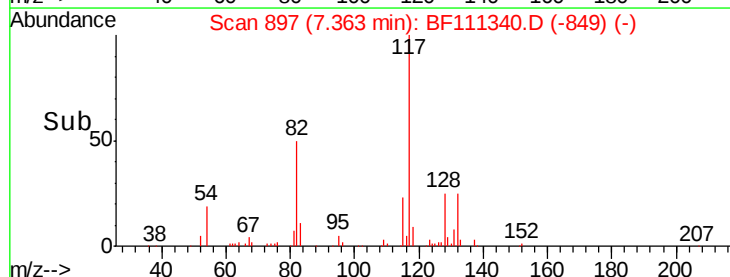
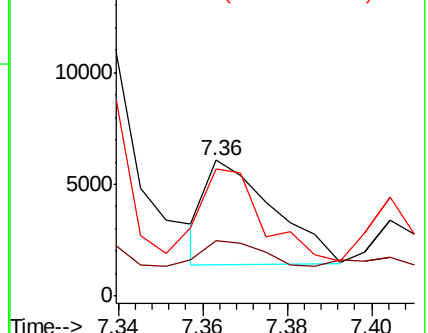
65 93.6 11.5 17.3#

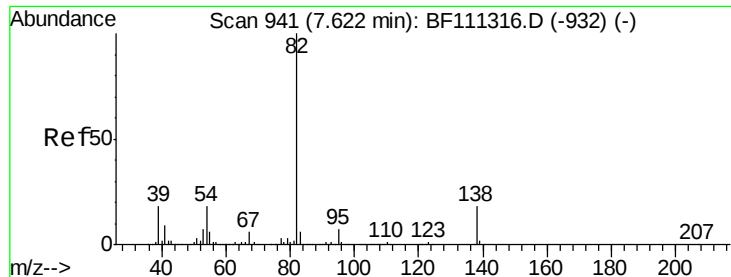


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 123.00 (122.70 to 123.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#25

Isophorone

Concen: 1.545 ng

RT: 7.61 min Scan# 939

Delta R.T. -0.01 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

Instrument :

BNA_F

ClientSampleId :

HR-05-121118-C

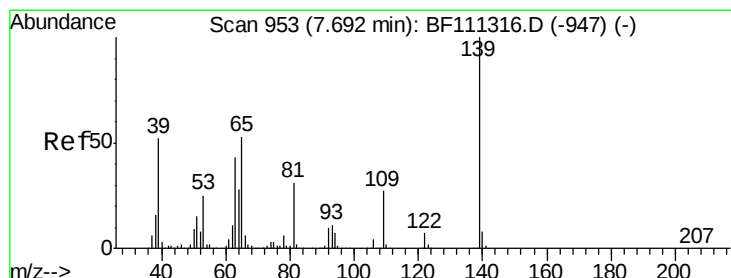
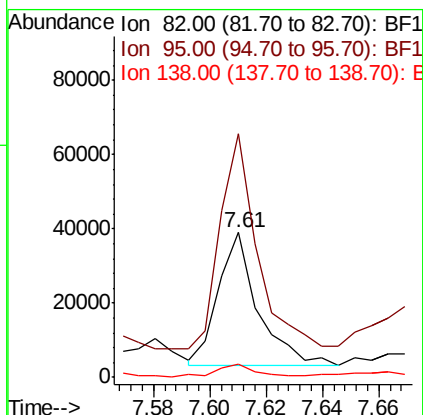
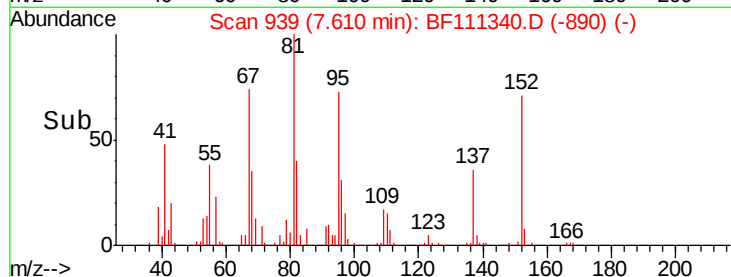
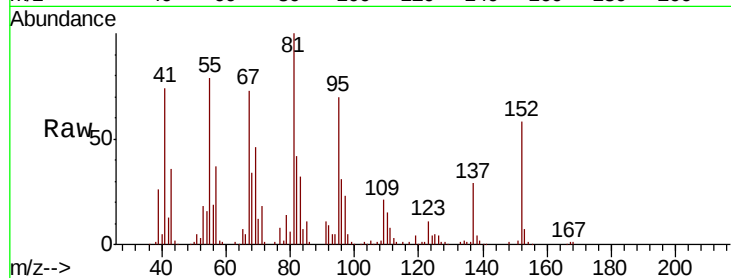
Tgt Ion: 82 Resp: 35142

Ion Ratio Lower Upper

82 100

95 168.0 5.4 8.2#

138 9.0 15.1 22.7#



#26

2-Nitrophenol

Concen: 0.460 ng

RT: 7.71 min Scan# 956

Delta R.T. 0.02 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

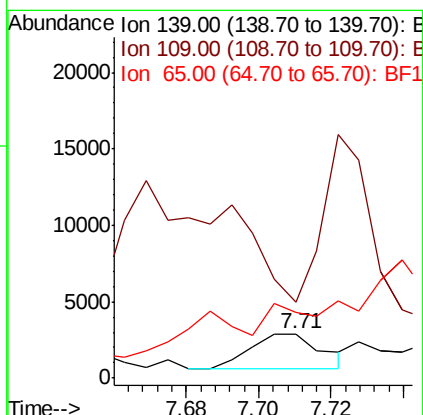
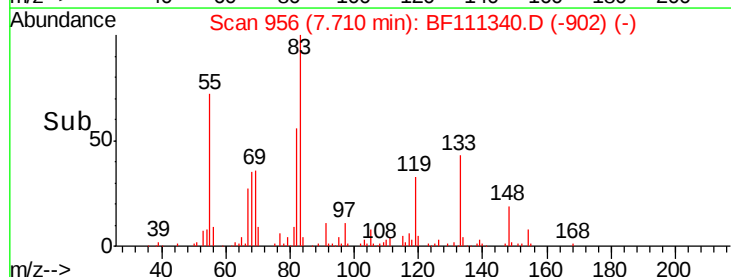
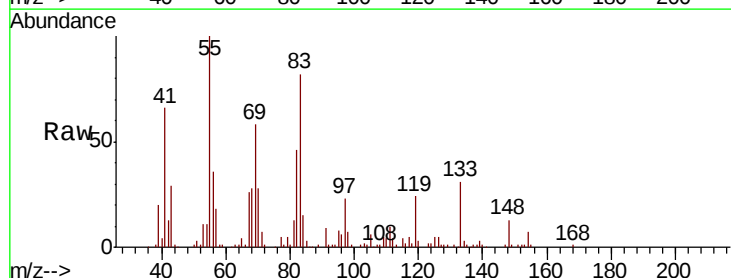
Tgt Ion: 139 Resp: 3118

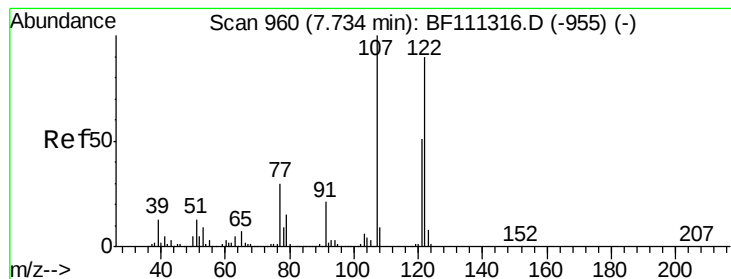
Ion Ratio Lower Upper

139 100

109 171.1 20.2 30.4#

65 148.0 40.7 61.1#





#27

2,4-Dimethylphenol

Concen: 0.330 ng

RT: 7.74 min Scan# 961

Delta R.T. 0.01 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

Instrument :

BNA_F

ClientSampleId :

HR-05-121118-C

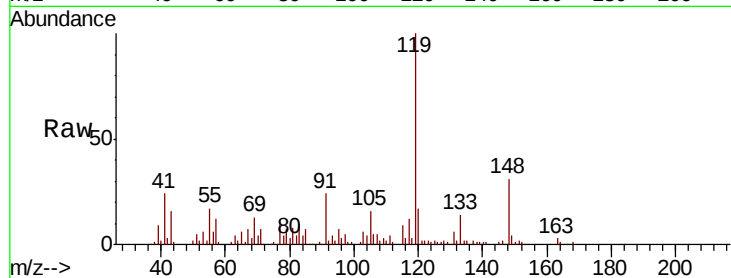
Tgt Ion:122 Resp: 3395

Ion Ratio Lower Upper

122 100

107 283.2 85.5 128.3#

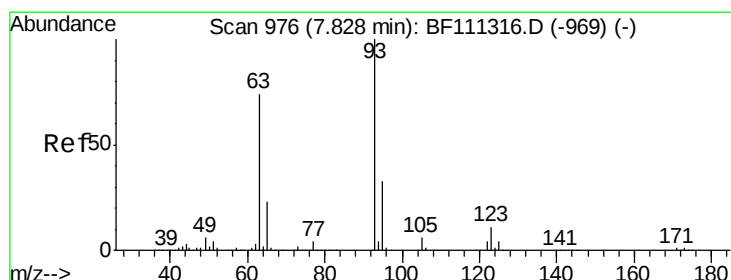
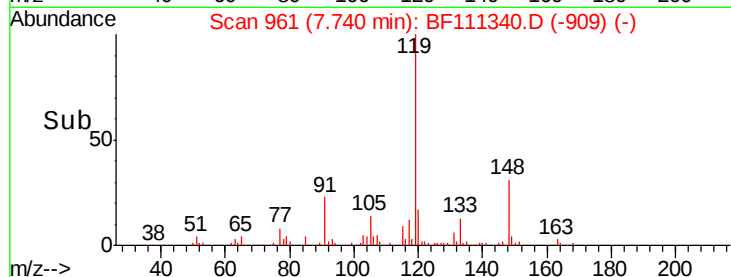
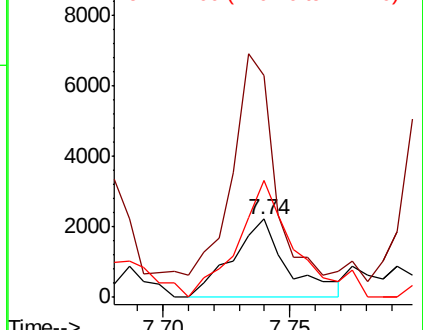
121 149.2 46.6 70.0#



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: 0.609 ng

RT: 7.84 min Scan# 978

Delta R.T. 0.01 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

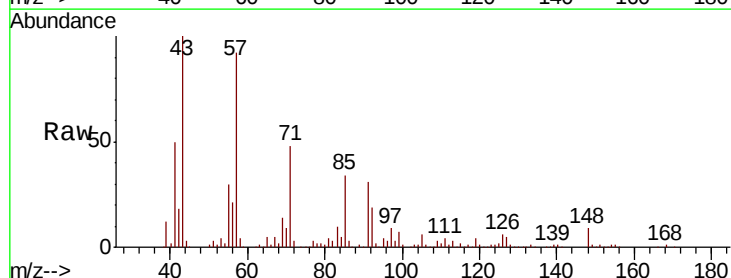
Tgt Ion: 93 Resp: 9499

Ion Ratio Lower Upper

93 100

95 209.4 27.1 40.7#

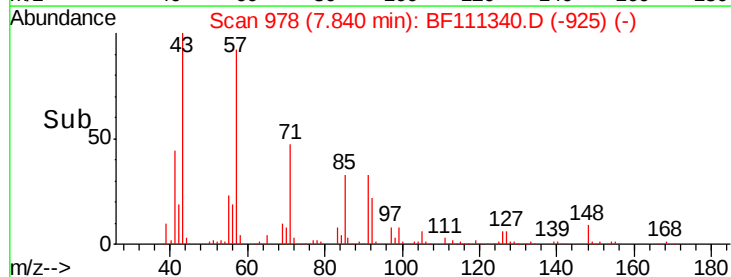
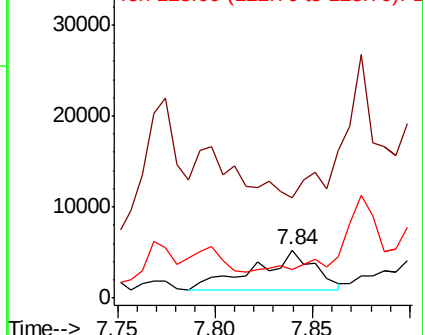
123 60.2 9.9 14.9#

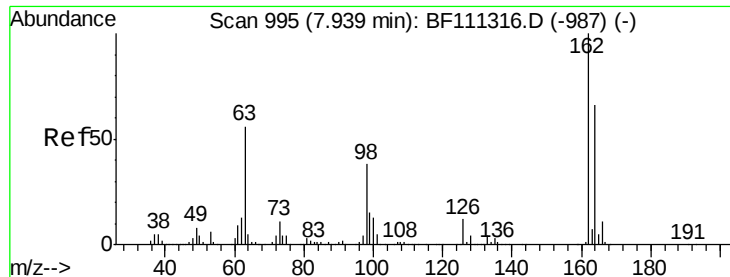


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 123.00 (122.70 to 123.70): E





#29

2,4-Dichlorophenol

Concen: 0.225 ng

RT: 7.92 min Scan# 992

Delta R.T. -0.02 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

Instrument :

BNA_F

ClientSampleId :

HR-05-121118-C

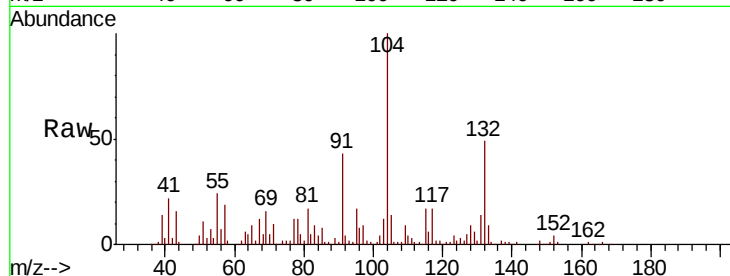
Tgt Ion:162 Resp: 2414

Ion Ratio Lower Upper

162 100

164 0.0 44.4 84.4#

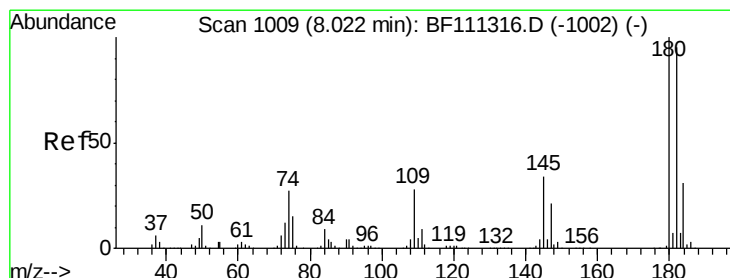
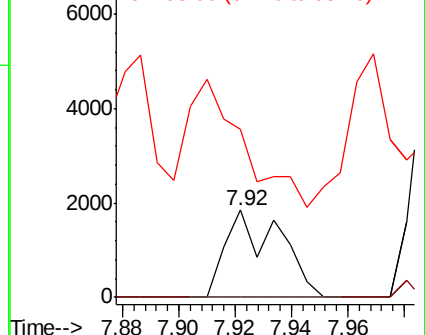
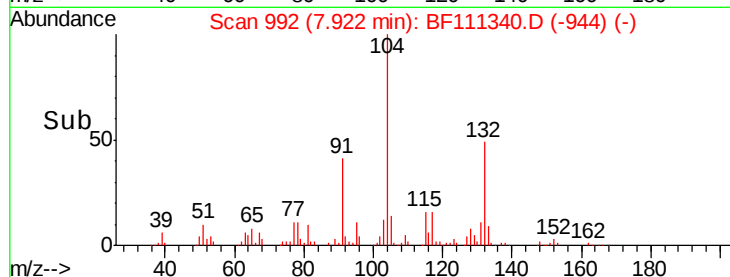
98 192.2 20.3 60.3#



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: 0.024 ng

RT: 8.03 min Scan# 1011

Delta R.T. 0.01 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

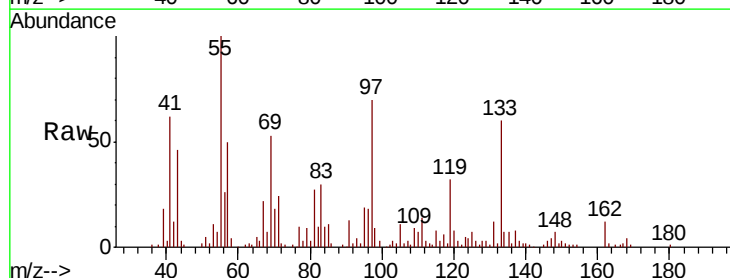
Tgt Ion:180 Resp: 262

Ion Ratio Lower Upper

180 100

182 0.0 75.6 113.4#

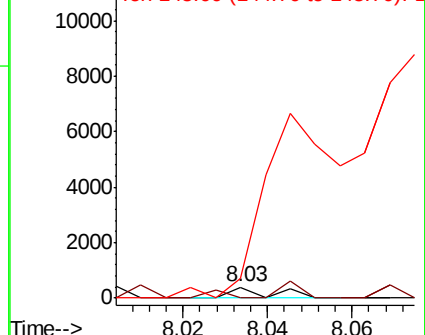
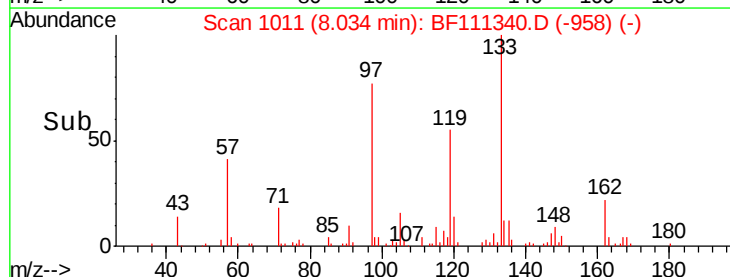
145 179.9 26.7 40.1#

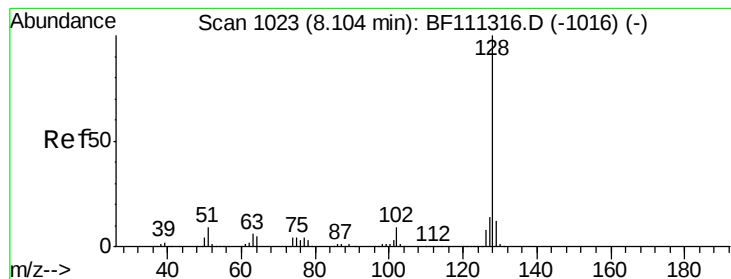


Abundance Ion 180.00 (179.70 to 180.70): E

Ion 182.00 (181.70 to 182.70): E

Ion 145.00 (144.70 to 145.70): E





#31

Naphthalene

Concen: 1.864 ng

RT: 8.10 min Scan# 1022

Delta R.T. -0.01 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

Instrument :

BNA_F

ClientSampleId :

HR-05-121118-C

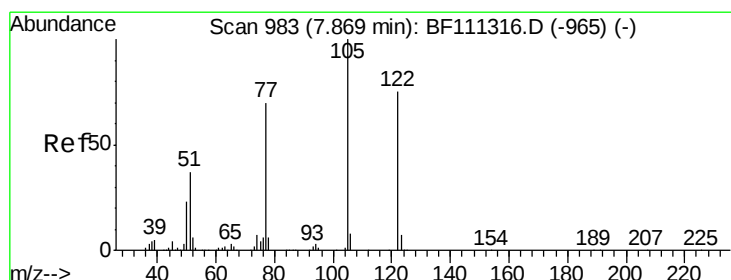
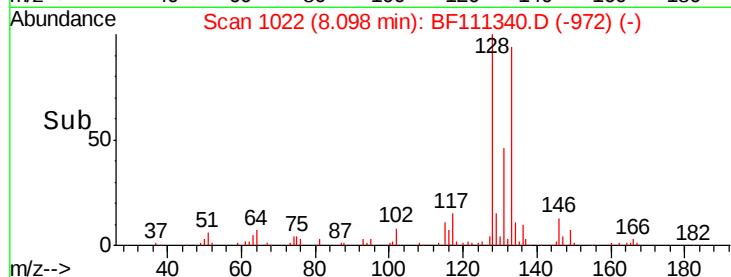
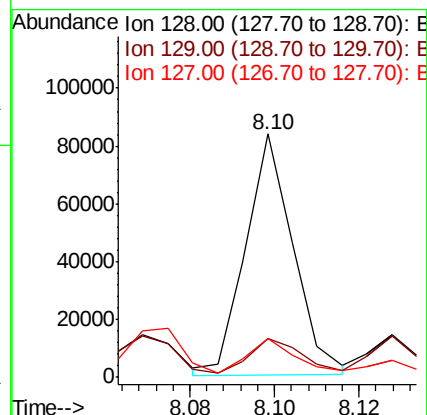
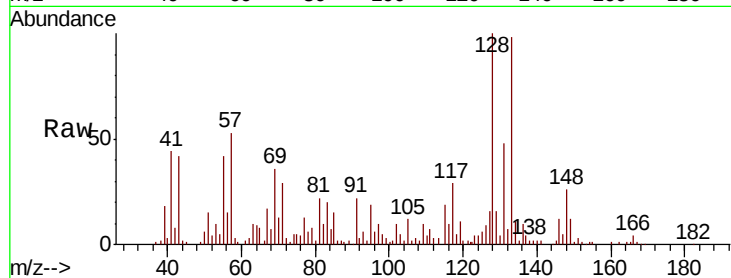
Tgt Ion:128 Resp: 65516

Ion Ratio Lower Upper

128 100

129 16.1 9.8 14.8#

127 15.9 12.0 18.0



#32

Benzoic acid

Concen: 0.512 ng

RT: 7.87 min Scan# 984

Delta R.T. 0.01 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

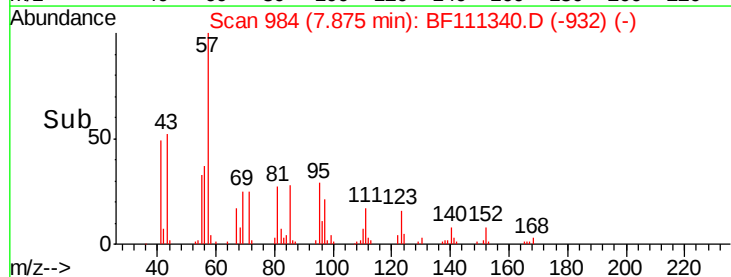
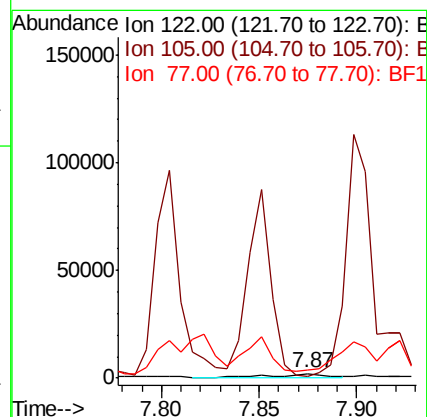
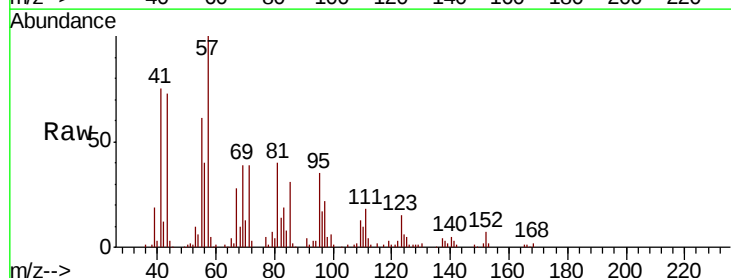
Tgt Ion:122 Resp: 4380

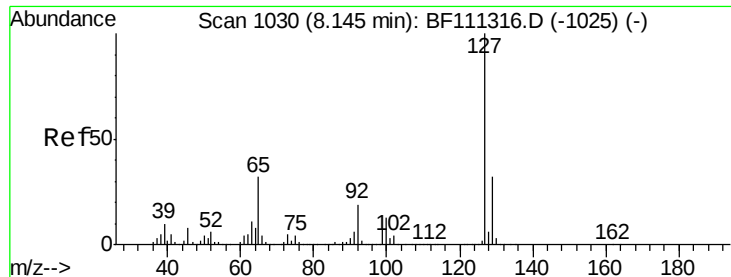
Ion Ratio Lower Upper

122 100

105 51.7 97.0 137.0#

77 183.3 65.7 105.7#

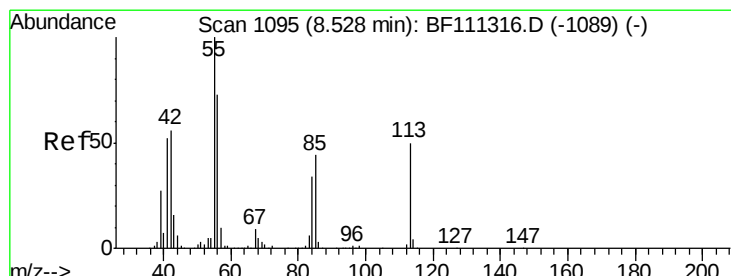
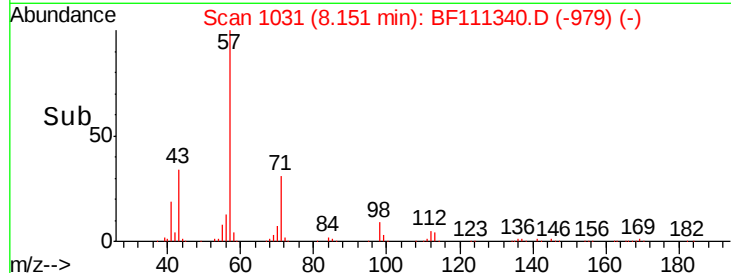
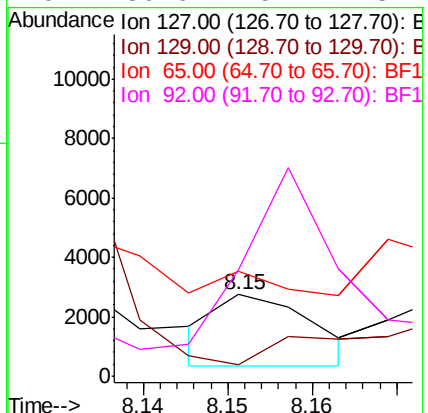
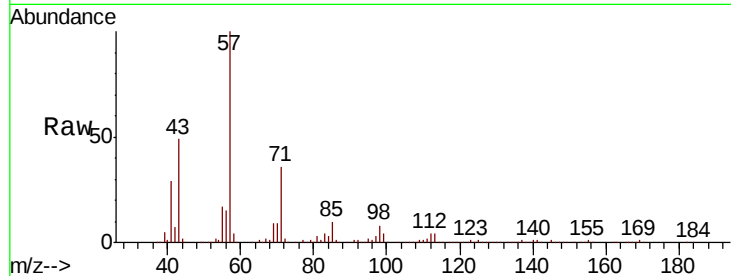




#33
4-Chloroaniline
Concen: 0.126 ng
RT: 8.15 min Scan# 1031
Delta R.T. 0.01 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

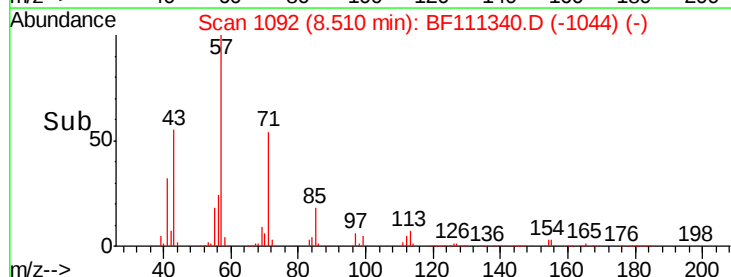
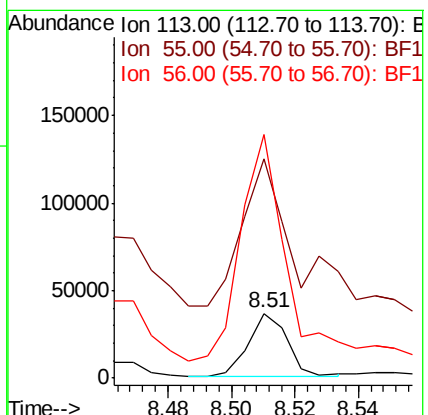
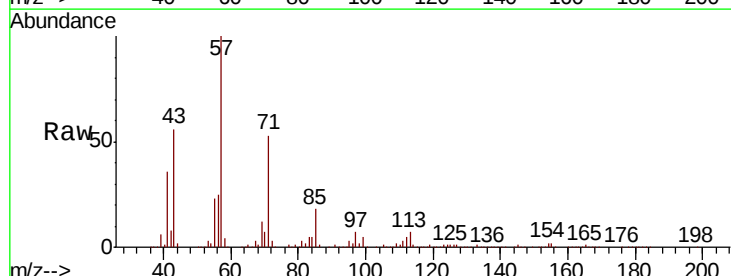
Instrument :
BNA_F
ClientSampleId :
HR-05-121118-C

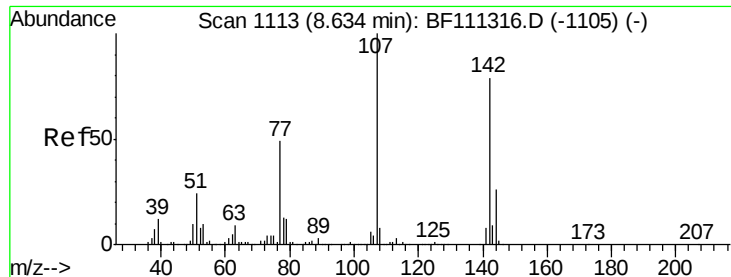
Tgt Ion:127 Resp: 1887
Ion Ratio Lower Upper
127 100
129 14.3 26.6 39.8#
65 129.6 25.7 38.5#
92 130.6 15.4 23.2#



#35
Caprolactam
Concen: 8.251 ng
RT: 8.51 min Scan# 1092
Delta R.T. -0.02 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Tgt Ion:113 Resp: 31030
Ion Ratio Lower Upper
113 100
55 339.8 184.1 224.1#
56 377.0 126.0 166.0#

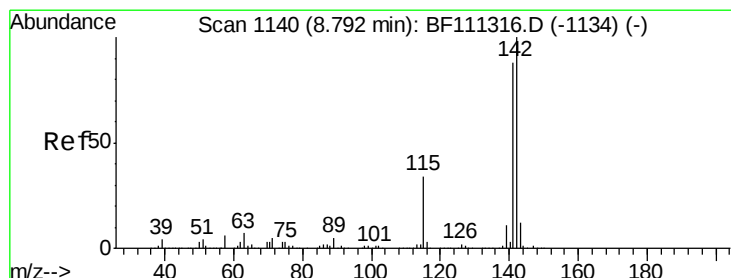
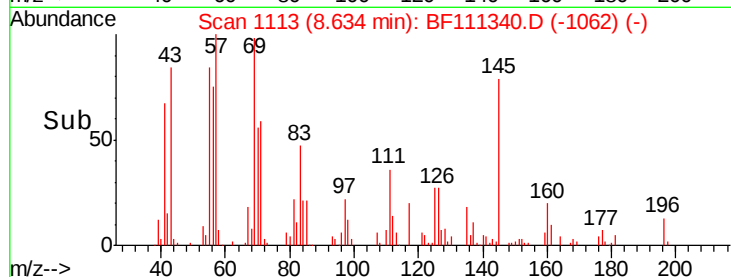
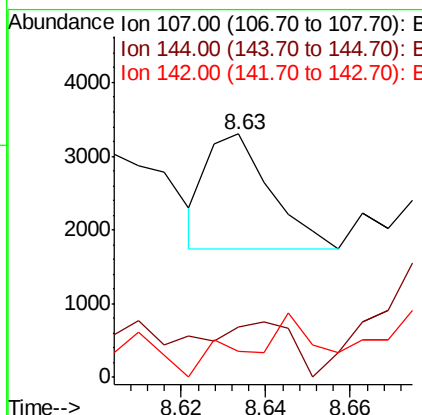
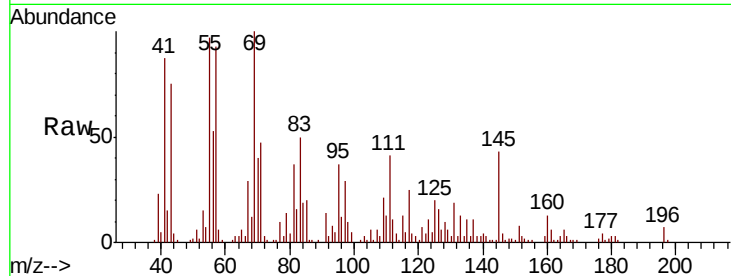




#36
 4-Chloro-3-methylphenol
 Concen: 0.142 ng
 RT: 8.63 min Scan# 1113
 Delta R.T. 0.00 min
 Lab File: BF111340.D
 Acq: 12 Dec 2018 23:50

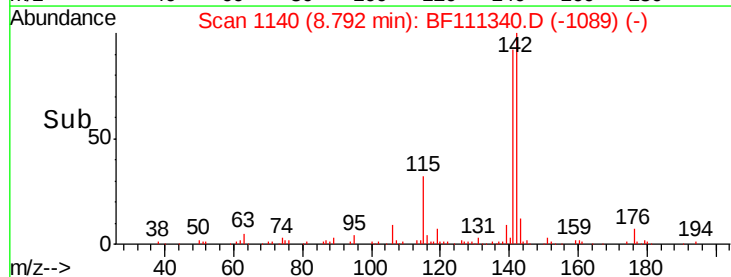
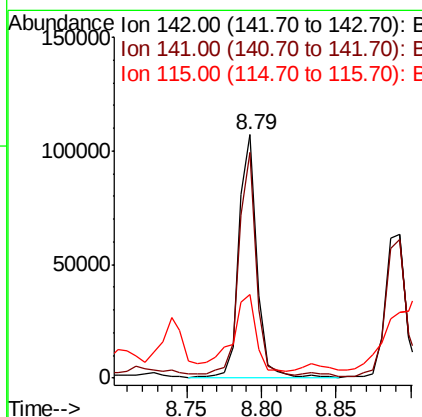
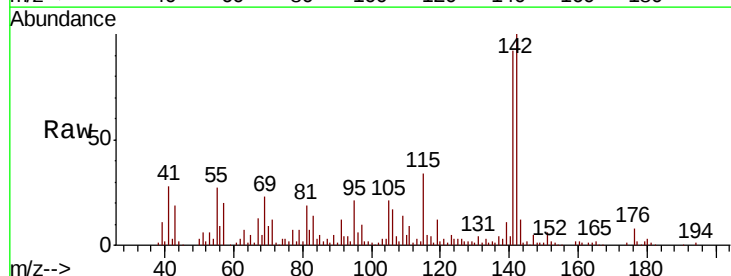
Instrument :
 BNA_F
 ClientSampleId :
 HR-05-121118-C

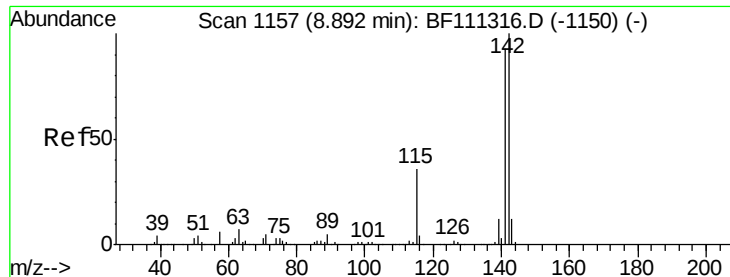
Tgt Ion:107 Resp: 1626
 Ion Ratio Lower Upper
 107 100
 144 20.4 19.8 29.6
 142 10.8 62.3 93.5#



#37
 2-Methylnaphthalene
 Concen: 3.923 ng
 RT: 8.79 min Scan# 1140
 Delta R.T. 0.00 min
 Lab File: BF111340.D
 Acq: 12 Dec 2018 23:50

Tgt Ion:142 Resp: 89159
 Ion Ratio Lower Upper
 142 100
 141 92.5 70.6 105.8
 115 34.3 27.0 40.6

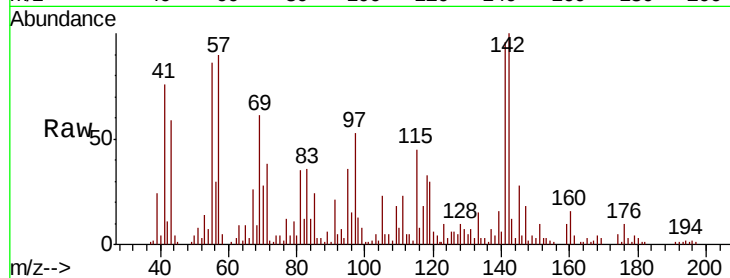




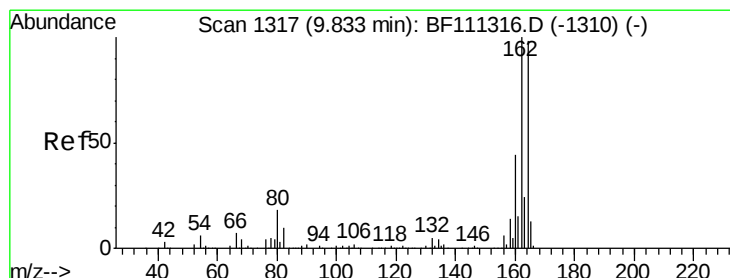
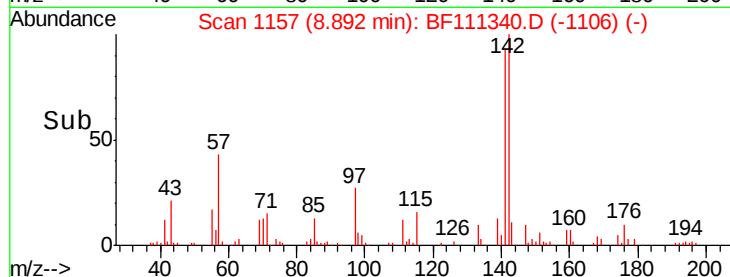
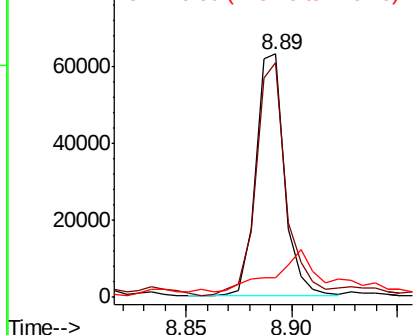
#38
 1-Methylnaphthalene
 Concen: 2.721 ng
 RT: 8.89 min Scan# 1157
 Delta R.T. 0.00 min
 Lab File: BF111340.D
 Acq: 12 Dec 2018 23:50

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-121118-C

Tgt Ion:142 Resp: 59684
 Ion Ratio Lower Upper
 142 100
 141 96.4 74.2 111.4
 116 7.9 2.9 4.3#

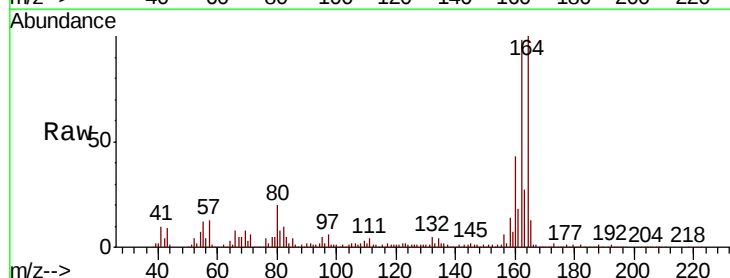


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 116.00 (115.70 to 116.70): E

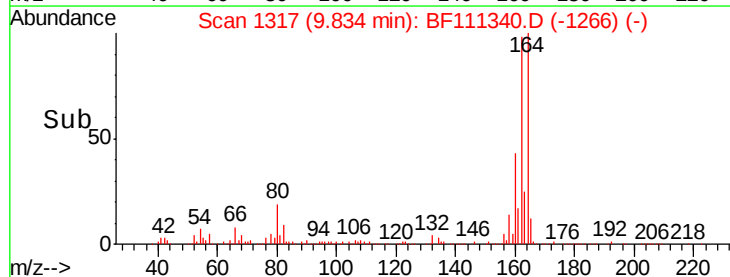
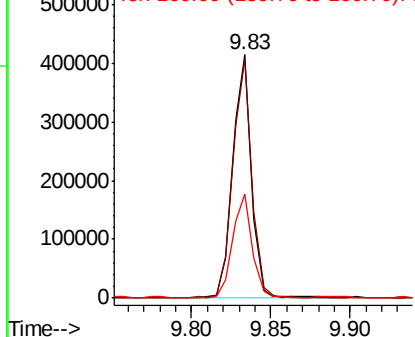


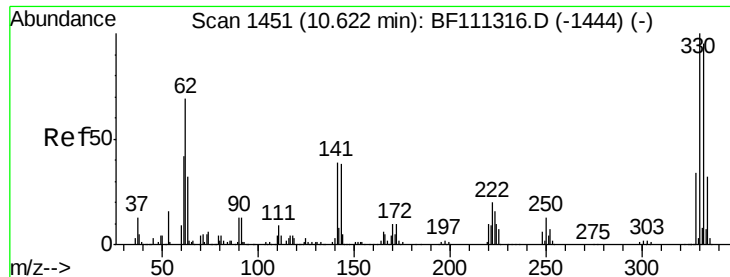
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 9.83 min Scan# 1317
 Delta R.T. 0.00 min
 Lab File: BF111340.D
 Acq: 12 Dec 2018 23:50

Tgt Ion:164 Resp: 333233
 Ion Ratio Lower Upper
 164 100
 162 98.2 81.4 122.0
 160 42.8 35.7 53.5



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

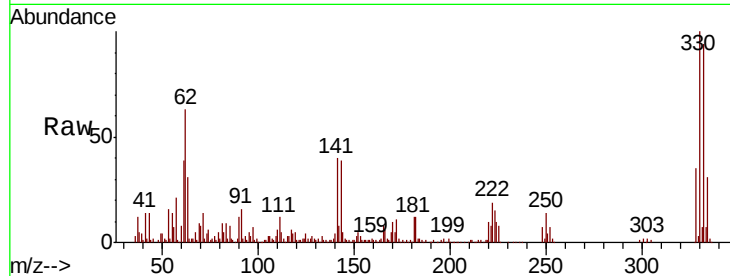




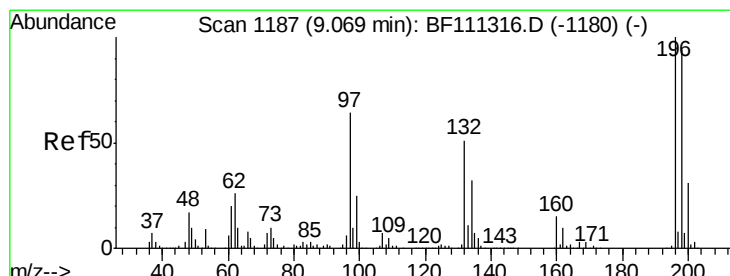
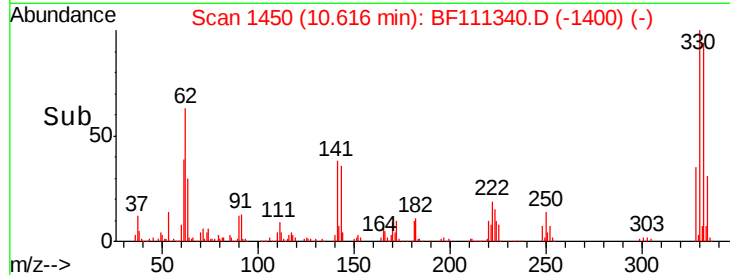
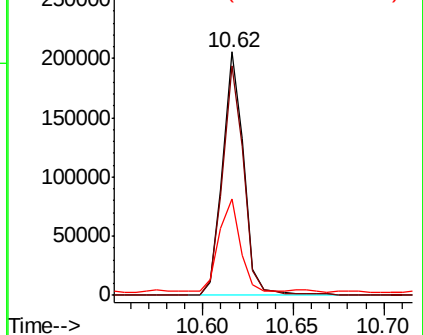
#42
 2,4,6-Tribromophenol
 Concen: 57.255 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.01 min
 Lab File: BF111340.D
 Acq: 12 Dec 2018 23:50

Instrument :
 BNA_F
 ClientSampleId :
 HR-05-121118-C

Tgt Ion:330 Resp: 168185
 Ion Ratio Lower Upper
 330 100
 332 95.6 76.0 114.0
 141 37.7 31.0 46.6

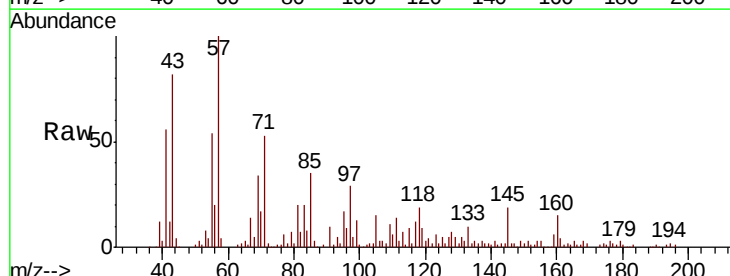


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

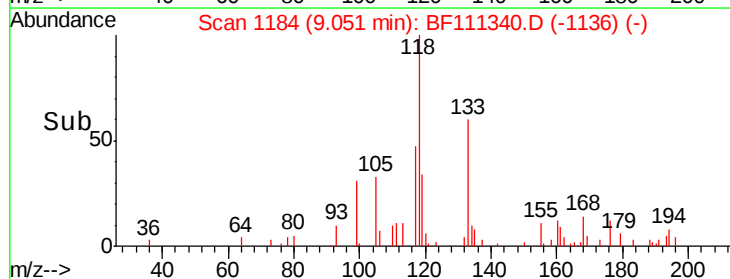
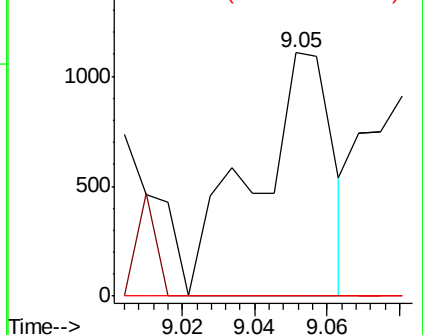


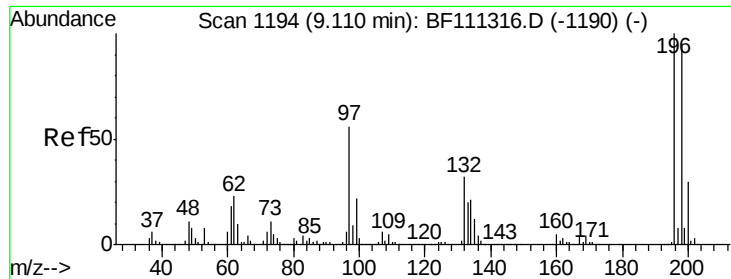
#43
 2,4,6-Trichlorophenol
 Concen: 0.248 ng
 RT: 9.05 min Scan# 1184
 Delta R.T. -0.02 min
 Lab File: BF111340.D
 Acq: 12 Dec 2018 23:50

Tgt Ion:196 Resp: 1661
 Ion Ratio Lower Upper
 196 100
 198 0.0 76.3 114.5#
 200 0.0 24.9 37.3#



Abundance Ion 196.00 (195.70 to 196.70): E
 Ion 198.00 (197.70 to 198.70): E
 Ion 200.00 (199.70 to 200.70): E

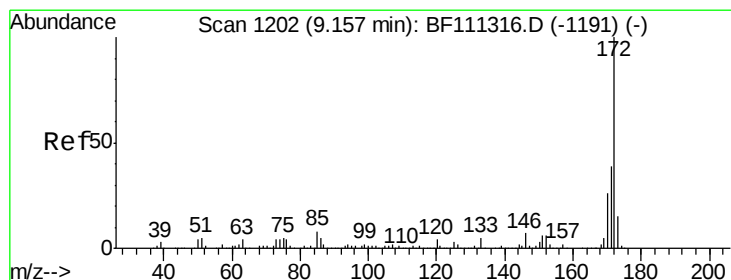
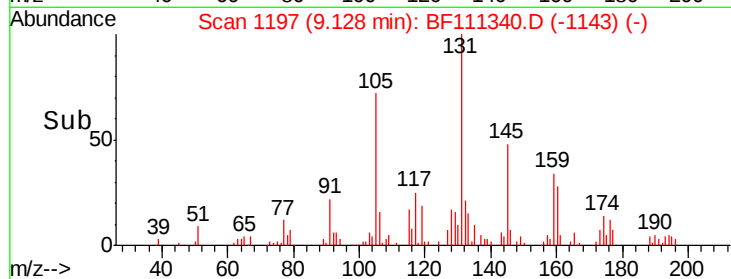
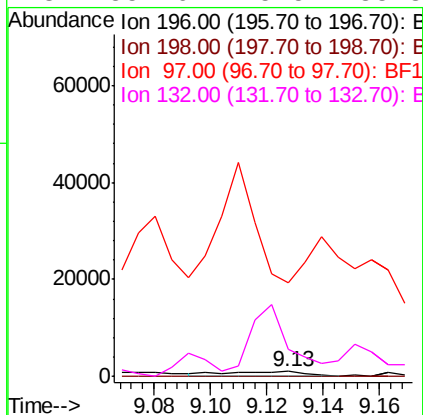
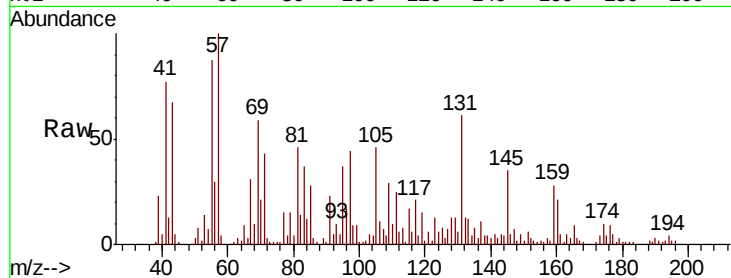




#44
 2,4,5-Trichlorophenol
 Concen: 0.285 ng
 RT: 9.13 min Scan# 1197
 Delta R.T. 0.02 min
 Lab File: BF111340.D
 Acq: 12 Dec 2018 23:50

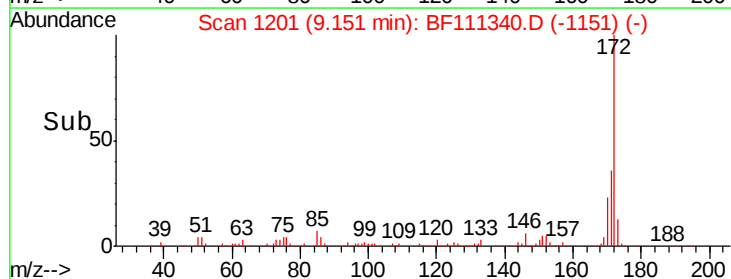
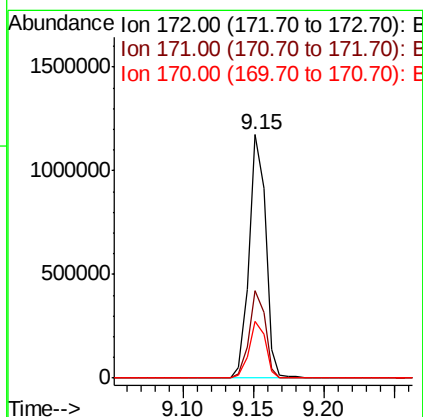
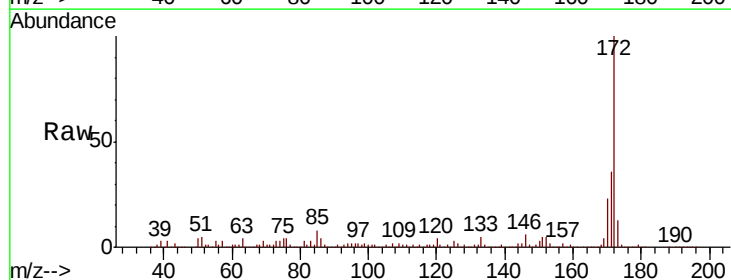
Instrument :
 BNA_F
 ClientSampleId :
 HR-05-121118-C

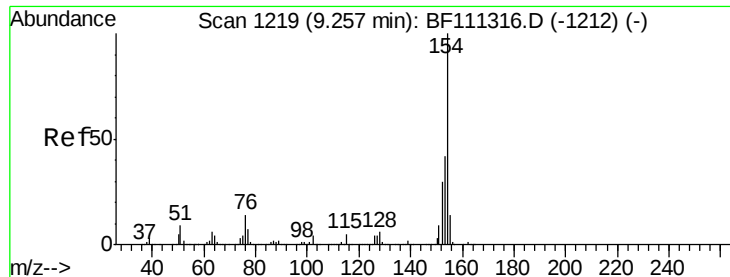
Tgt Ion:196 Resp: 2020
 Ion Ratio Lower Upper
 196 100
 198 0.0 72.9 109.3#
 97 1908.8 45.3 67.9#
 132 554.6 25.5 38.3#



#45
 2-Fluorobiphenyl
 Concen: 46.838 ng
 RT: 9.15 min Scan# 1201
 Delta R.T. -0.01 min
 Lab File: BF111340.D
 Acq: 12 Dec 2018 23:50

Tgt Ion:172 Resp: 972169
 Ion Ratio Lower Upper
 172 100
 171 36.1 33.0 49.4
 170 23.1 22.3 33.5

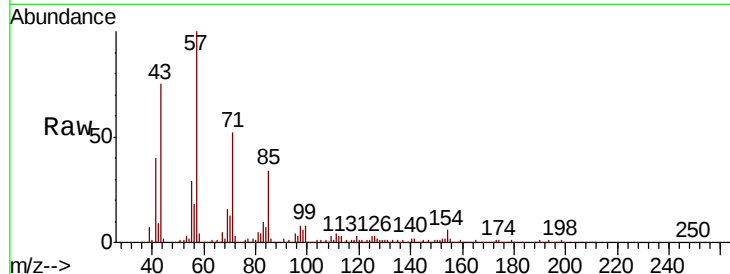




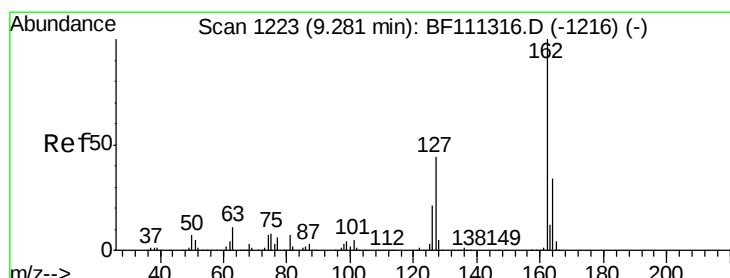
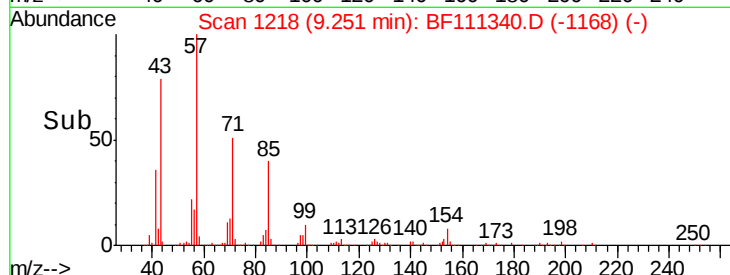
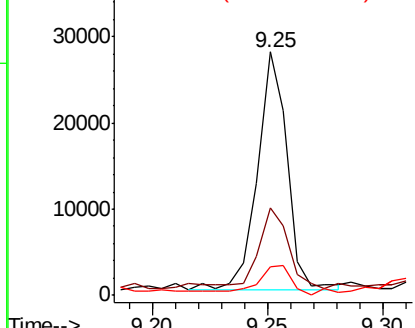
#46
1,1'-Biphenyl
Concen: 0.880 ng
RT: 9.25 min Scan# 1218
Delta R.T. -0.01 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Instrument :
BNA_F
ClientSampleId :
HR-05-121118-C

Tgt Ion:154 Resp: 25026
Ion Ratio Lower Upper
154 100
153 35.9 23.7 63.7
76 11.7 0.0 35.0

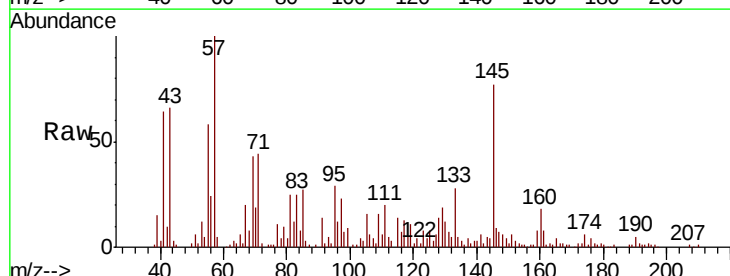


Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 76.00 (75.70 to 76.70): BF1

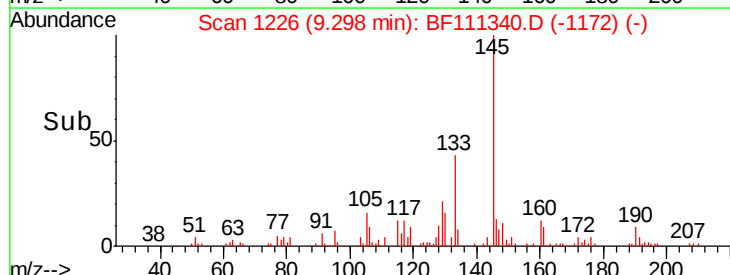
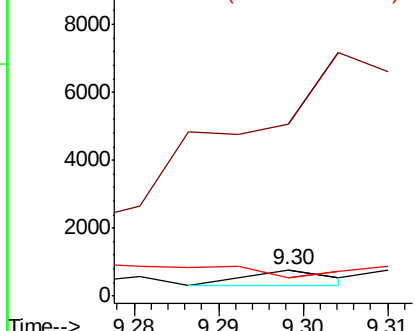


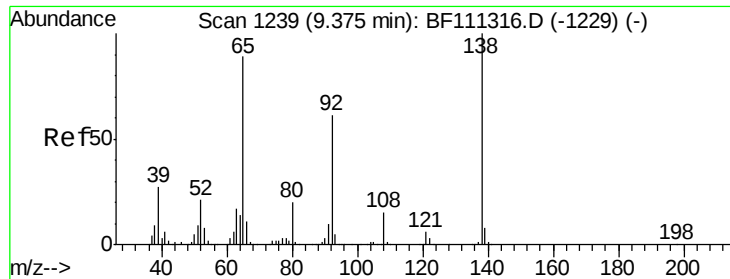
#47
2-Chloronaphthalene
Concen: 0.016 ng
RT: 9.30 min Scan# 1226
Delta R.T. 0.02 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Tgt Ion:162 Resp: 349
Ion Ratio Lower Upper
162 100
127 649.4 35.0 52.4#
164 68.5 28.4 42.6#



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

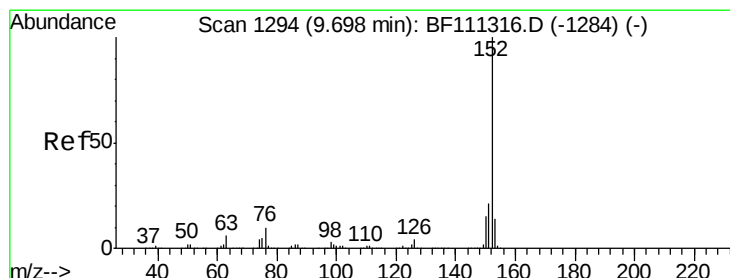
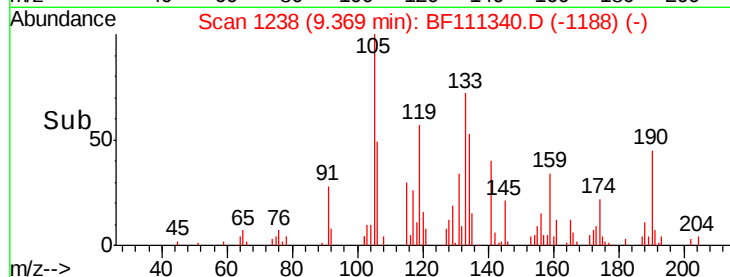
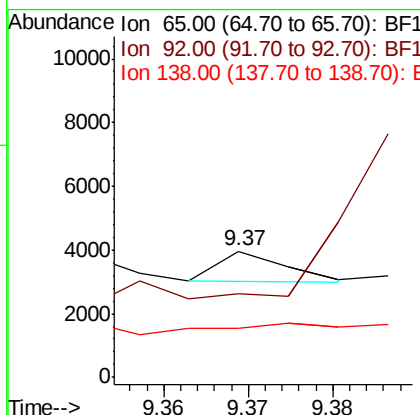
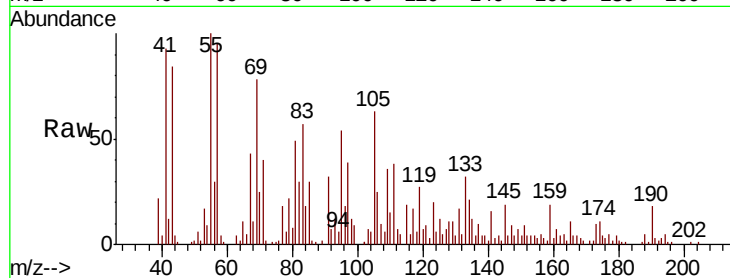




#48
2-Nitroaniline
Concen: 0.074 ng
RT: 9.37 min Scan# 1238
Delta R.T. -0.01 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

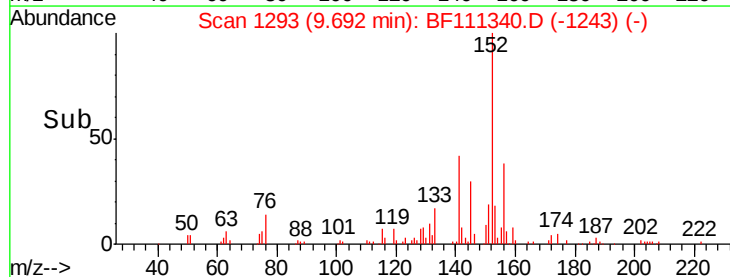
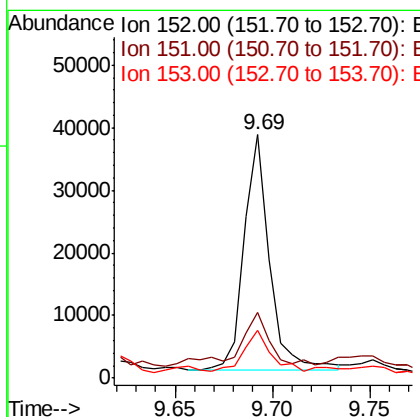
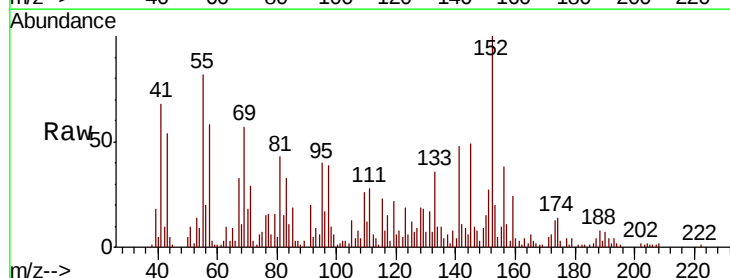
Instrument :
BNA_F
ClientSampleId :
HR-05-121118-C

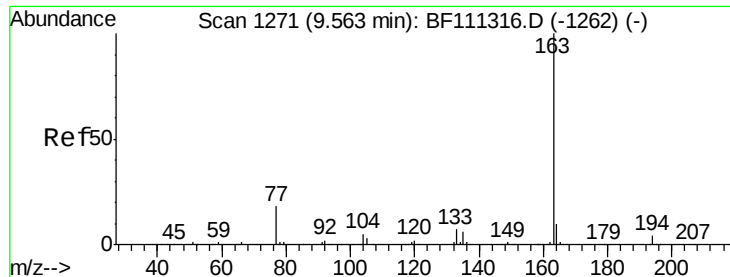
Tgt Ion: 65 Resp: 521
Ion Ratio Lower Upper
65 100
92 66.6 53.5 80.3
138 39.4 80.9 121.3#



#49
Acenaphthylene
Concen: 1.064 ng
RT: 9.69 min Scan# 1293
Delta R.T. -0.01 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Tgt Ion: 152 Resp: 33843
Ion Ratio Lower Upper
152 100
151 27.2 18.0 27.0#
153 19.8 12.3 18.5#

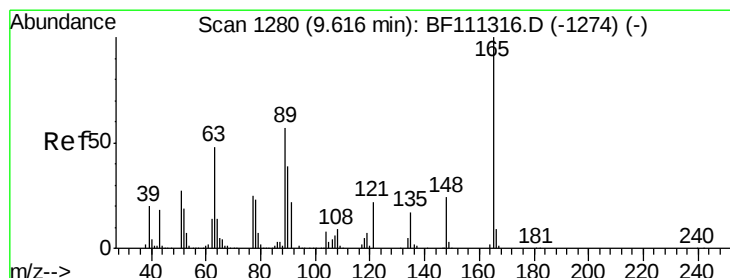
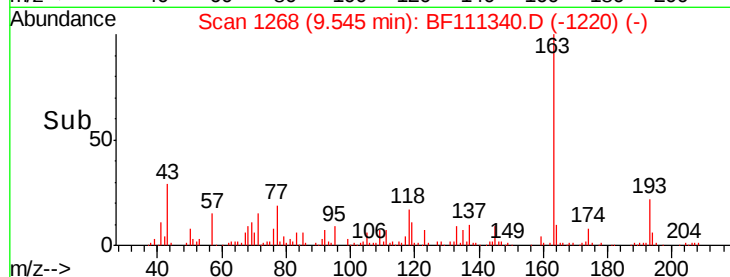
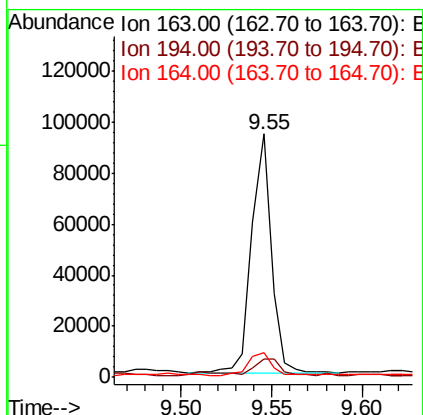
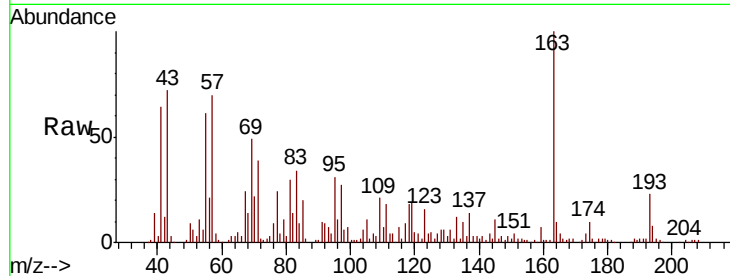




#50
Dimethylphthalate
Concen: 2.968 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.02 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

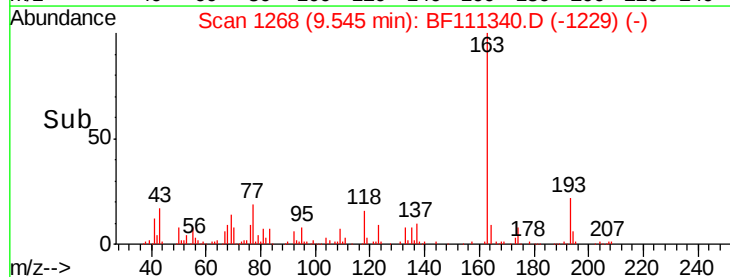
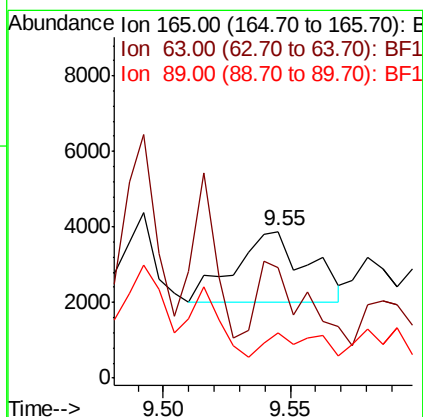
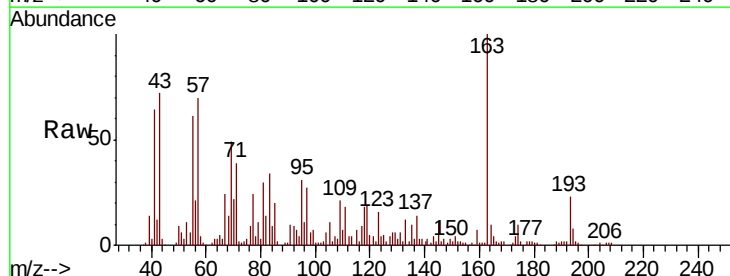
Instrument :
BNA_F
ClientSampleId :
HR-05-121118-C

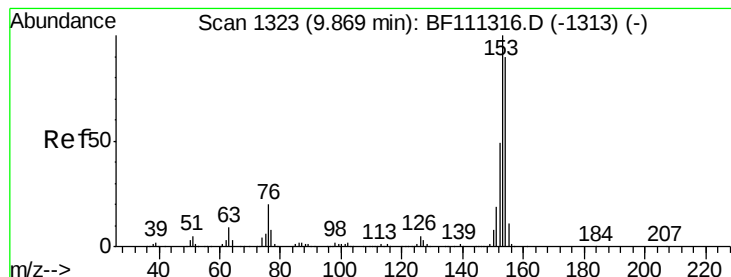
Tgt Ion:163 Resp: 71120
Ion Ratio Lower Upper
163 100
194 7.7 3.0 4.6#
164 10.2 8.9 13.3



#51
2,6-Dinitrotoluene
Concen: 0.699 ng
RT: 9.55 min Scan# 1268
Delta R.T. -0.07 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Tgt Ion:165 Resp: 3711
Ion Ratio Lower Upper
165 100
63 75.1 40.5 60.7#
89 30.6 40.0 60.0#





#52

Acenaphthene

Concen: 2.221 ng

RT: 9.86 min Scan# 1322

Delta R.T. -0.01 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

Instrument :

BNA_F

ClientSampleId :

HR-05-121118-C

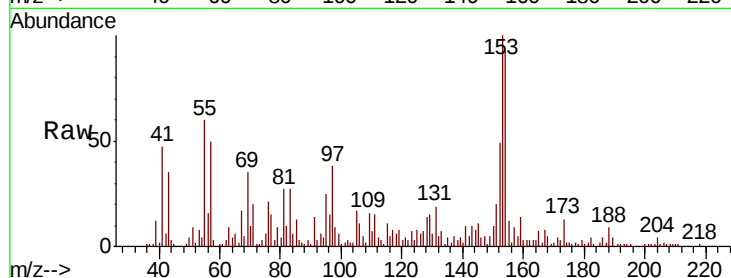
Tgt Ion:154 Resp: 44567

Ion Ratio Lower Upper

154 100

153 107.4 87.8 131.8

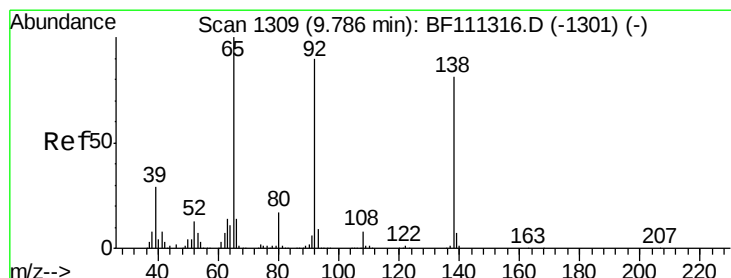
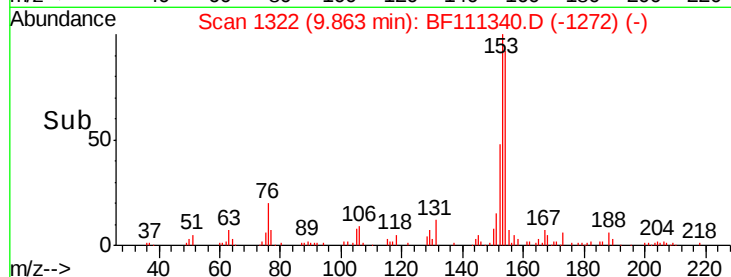
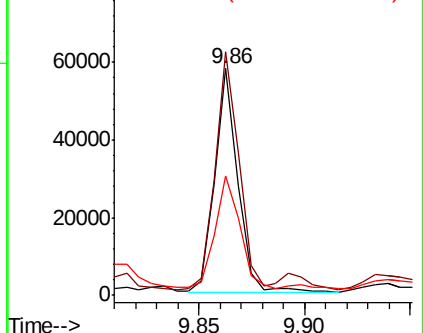
152 53.0 43.4 65.2



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#53

3-Nitroaniline

Concen: 0.171 ng

RT: 9.79 min Scan# 1309

Delta R.T. 0.00 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

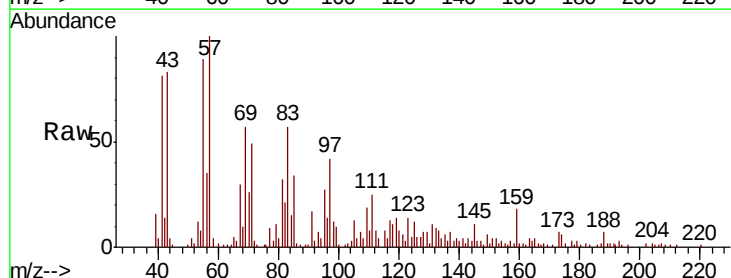
Tgt Ion:138 Resp: 1092

Ion Ratio Lower Upper

138 100

108 111.6 8.2 12.4#

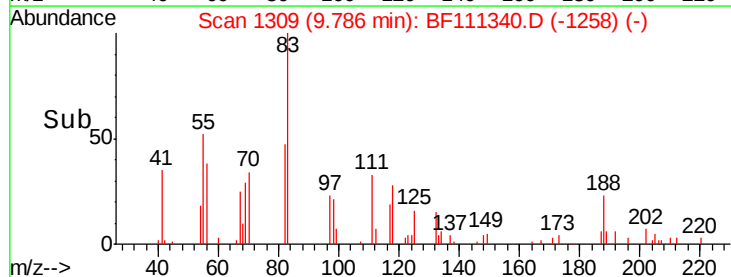
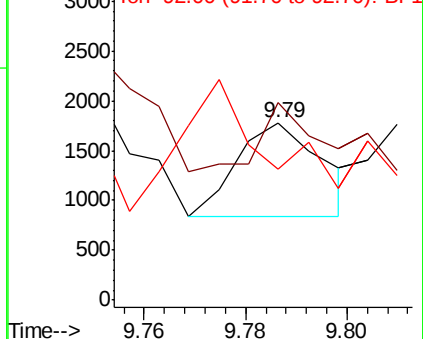
92 73.8 93.4 140.2#

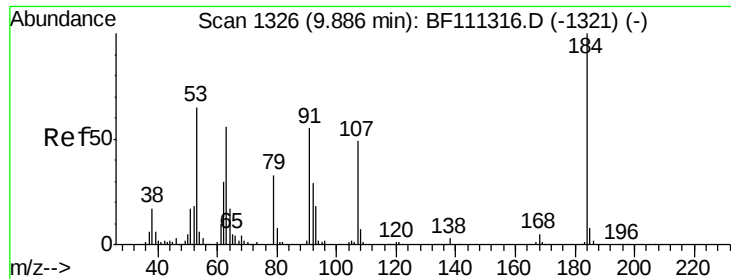


Abundance Ion 138.00 (137.70 to 138.70): E

Ion 108.00 (107.70 to 108.70): E

Ion 92.00 (91.70 to 92.70): BF1

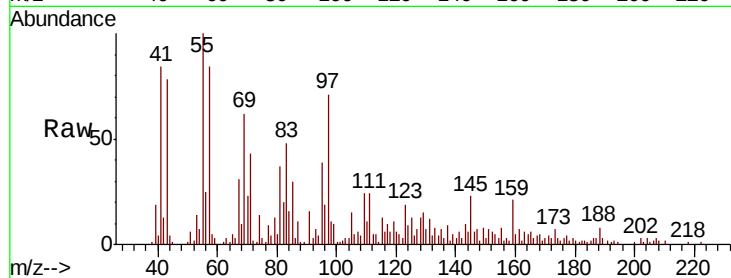




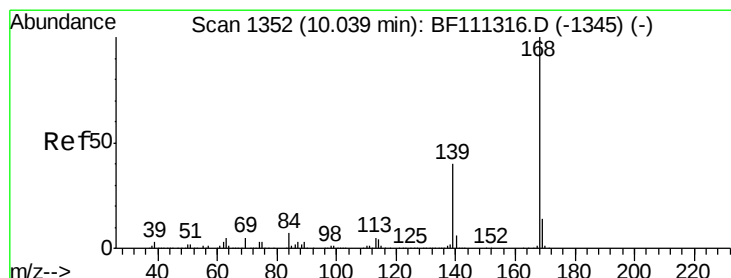
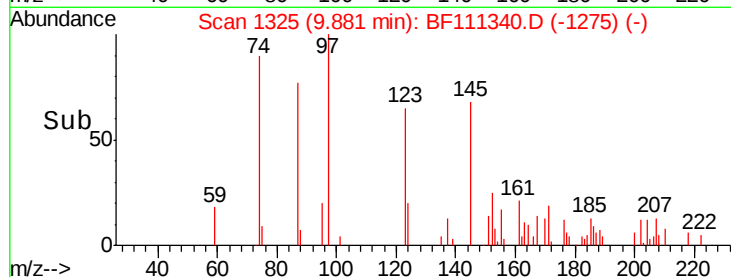
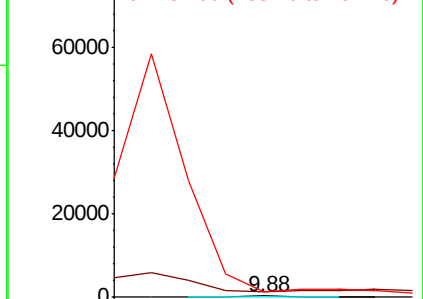
#54
2,4-Dinitrophenol
Concen: 0.054 ng
RT: 9.88 min Scan# 1325
Delta R.T. -0.01 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Instrument :
BNA_F
ClientSampleId :
HR-05-121118-C

Tgt Ion:184 Resp: 113
Ion Ratio Lower Upper
184 100
63 378.2 62.3 93.5#
154 445.5 56.2 84.2#

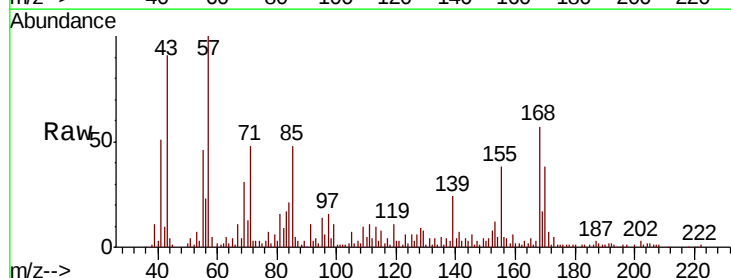


Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 154.00 (153.70 to 154.70): E

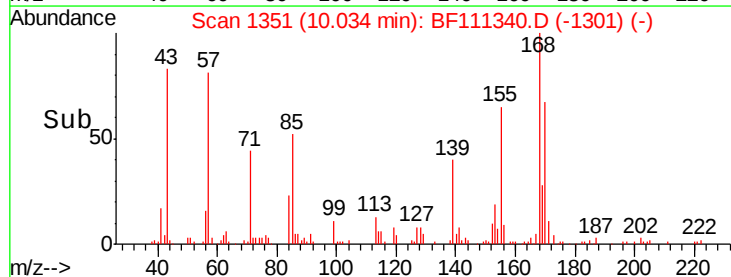
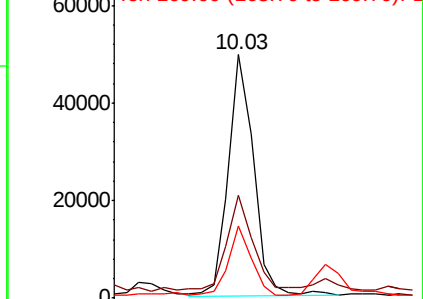


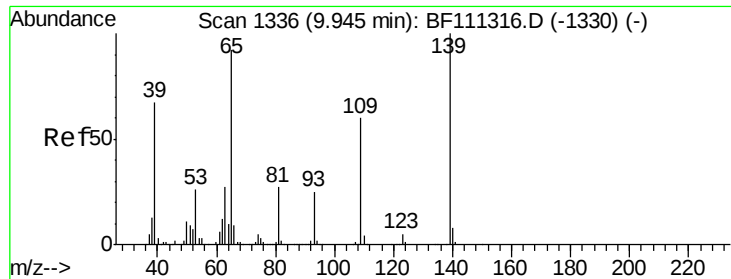
#55
Dibenzofuran
Concen: 1.410 ng
RT: 10.03 min Scan# 1351
Delta R.T. -0.01 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Tgt Ion:168 Resp: 40850
Ion Ratio Lower Upper
168 100
139 42.4 32.6 49.0
169 29.8 11.8 17.6#



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

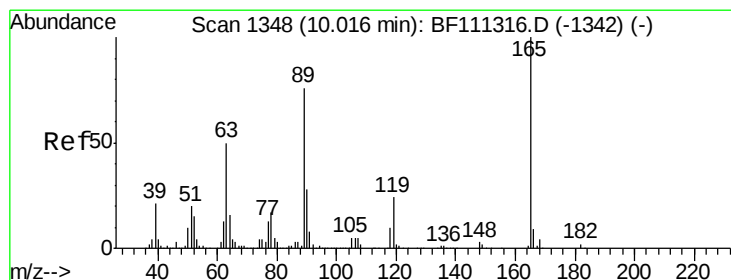
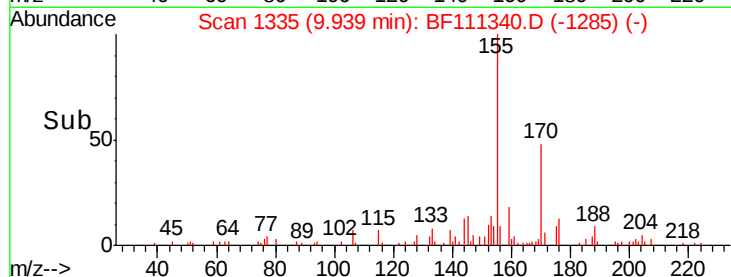
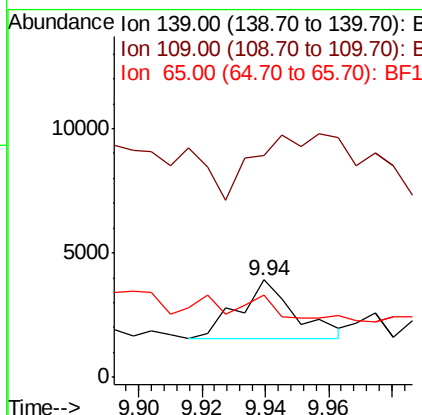
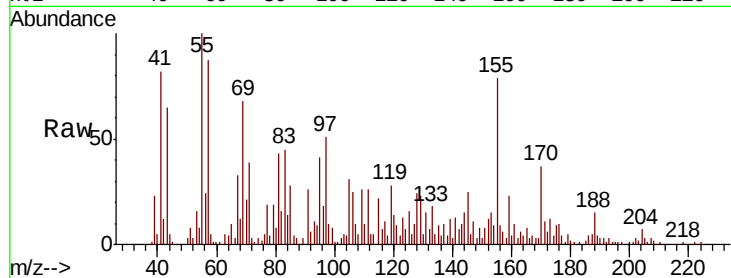




#56
4-Nitrophenol
Concen: 0.637 ng
RT: 9.94 min Scan# 1335
Delta R.T. -0.01 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

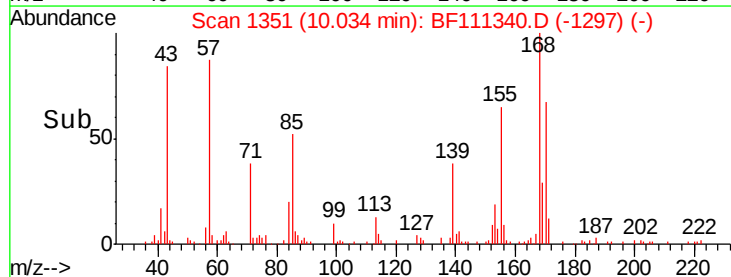
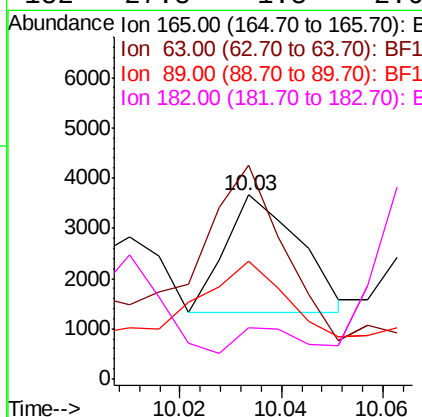
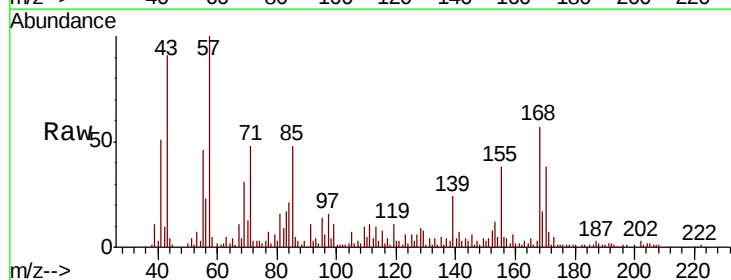
Instrument :
BNA_F
ClientSampleId :
HR-05-121118-C

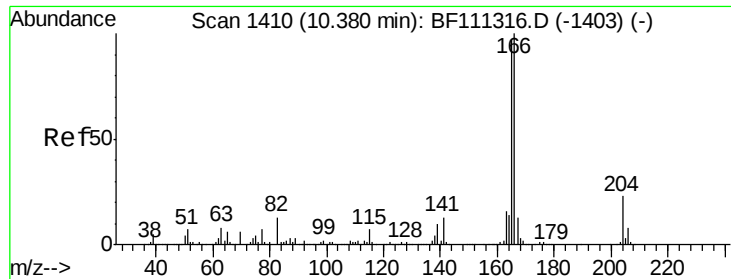
Tgt Ion:139 Resp: 2928
Ion Ratio Lower Upper
139 100
109 227.2 41.8 81.8#
65 83.9 79.6 119.6



#57
2,4-Dinitrotoluene
Concen: 0.347 ng
RT: 10.03 min Scan# 1351
Delta R.T. 0.02 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Tgt Ion:165 Resp: 2360
Ion Ratio Lower Upper
165 100
63 116.1 34.6 52.0#
89 63.7 56.2 84.4
182 27.8 1.8 2.6#





#58

Fluorene

Concen: 3.901 ng

RT: 10.37 min Scan# 1409

Delta R.T. -0.01 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

Instrument :

BNA_F

ClientSampleId :

HR-05-121118-C

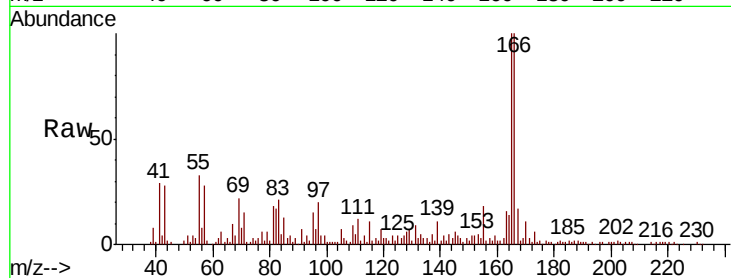
Tgt Ion:166 Resp: 80833

Ion Ratio Lower Upper

166 100

165 99.7 78.4 117.6

167 17.1 11.2 16.8#

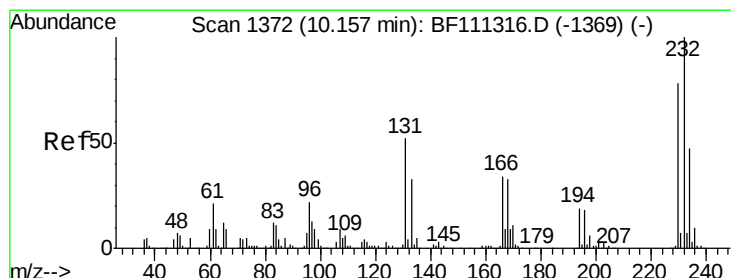
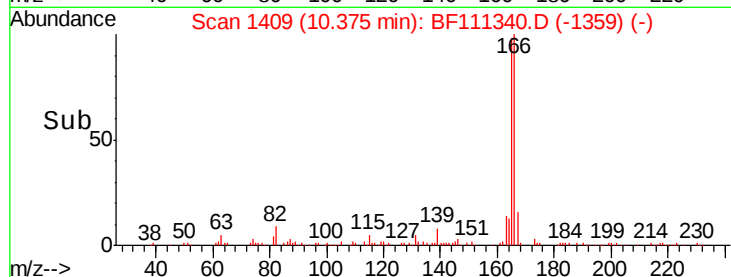
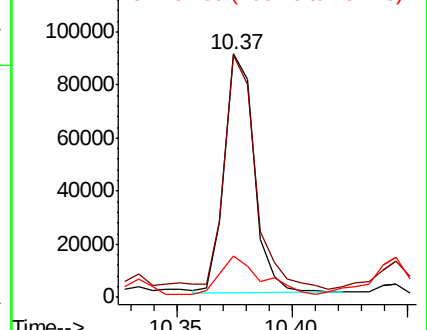


Abundance

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: 0.025 ng

RT: 10.18 min Scan# 1376

Delta R.T. 0.02 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

Tgt Ion:232 Resp: 139

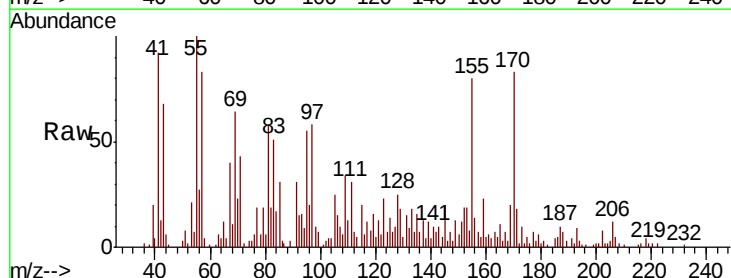
Ion Ratio Lower Upper

232 100

131 0.0 40.9 61.3#

130 0.0 2.0 3.0#

166 0.0 26.8 40.2#



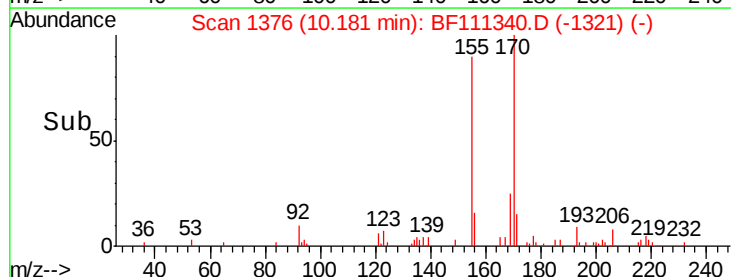
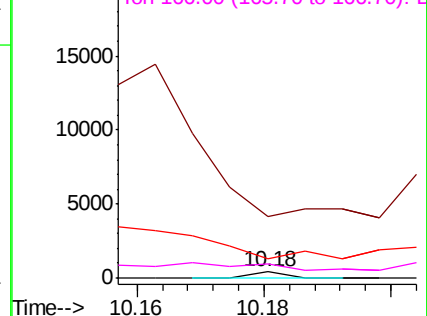
Abundance

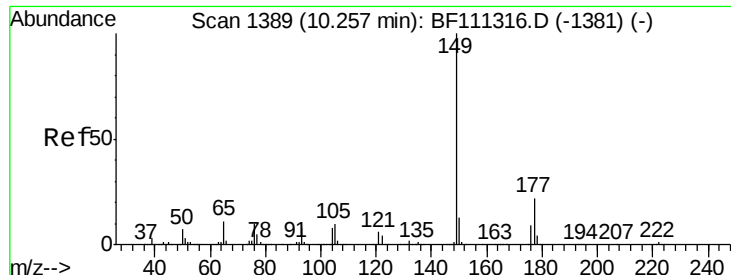
Ion 232.00 (231.70 to 232.70): E

Ion 131.00 (130.70 to 131.70): E

Ion 130.00 (129.70 to 130.70): E

Ion 166.00 (165.70 to 166.70): E

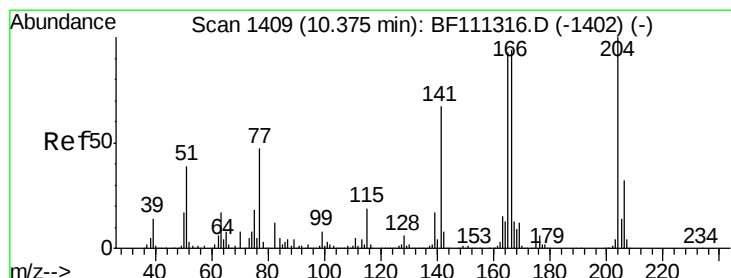
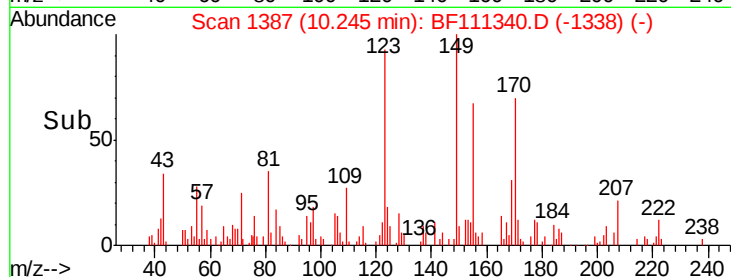
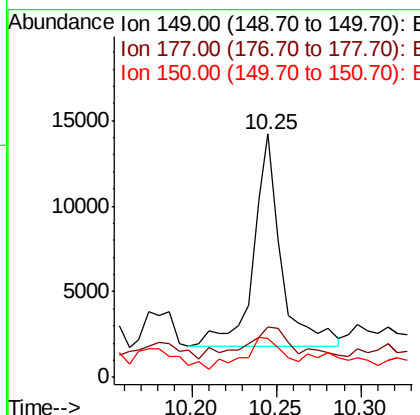
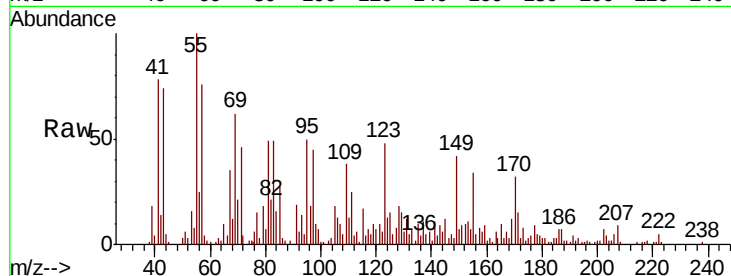




#60
Diethylphthalate
Concen: 0.584 ng
RT: 10.25 min Scan# 1387
Delta R.T. -0.01 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

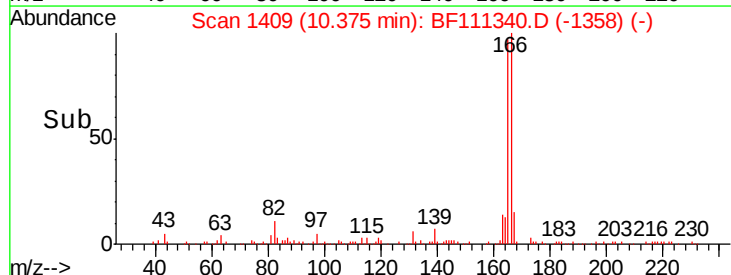
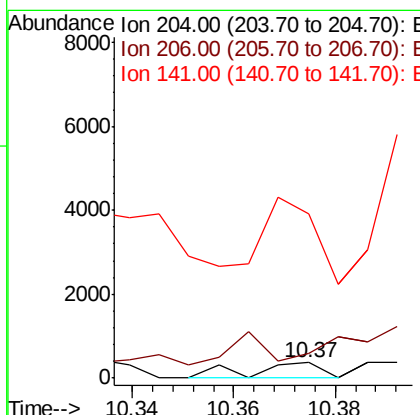
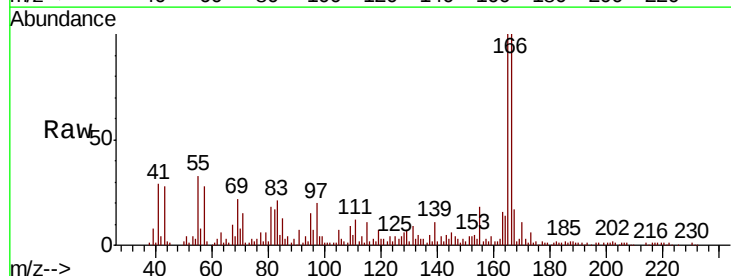
Instrument :
BNA_F
ClientSampleId :
HR-05-121118-C

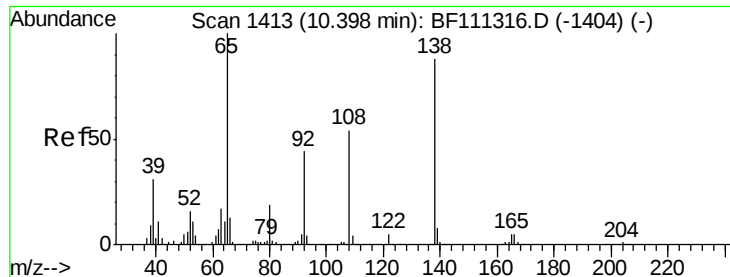
Tgt Ion	Ratio	Lower	Upper
149	100		
177	20.9	18.3	27.5
150	15.9	10.6	15.8#



#61
4-Chlorophenyl-phenylether
Concen: 0.034 ng
RT: 10.37 min Scan# 1409
Delta R.T. 0.00 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Tgt Ion	Ratio	Lower	Upper
204	100		
206	159.1	26.6	39.8#
141	1054.8	52.6	78.8#





#62

4-Nitroaniline

Concen: 0.322 ng

RT: 10.37 min Scan# 1409

Delta R.T. -0.02 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

Instrument :

BNA_F

ClientSampleId :

HR-05-121118-C

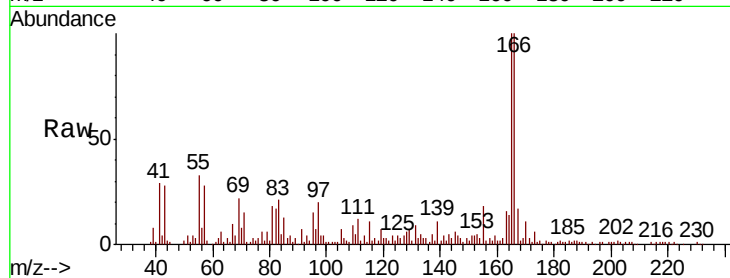
Tgt Ion:138 Resp: 1974

Ion Ratio Lower Upper

138 100

92 71.4 29.9 69.9#

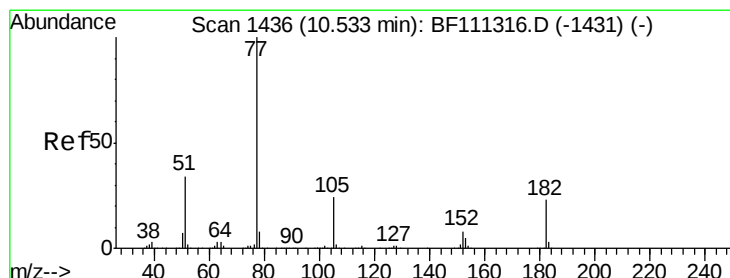
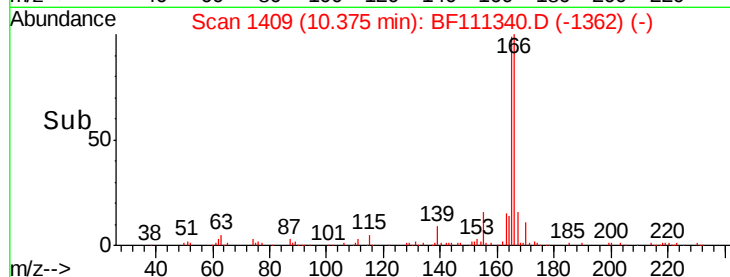
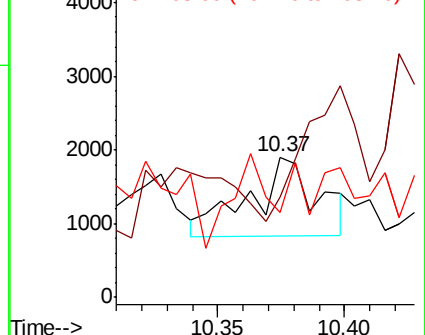
108 60.6 43.2 83.2



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: 0.090 ng

RT: 10.49 min Scan# 1429

Delta R.T. -0.04 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

Tgt Ion: 77 Resp: 2183

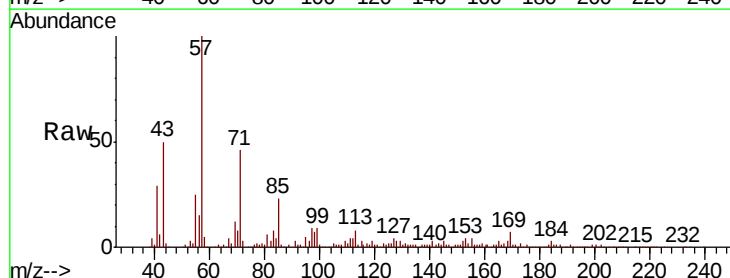
Ion Ratio Lower Upper

77 100

182 23.7 4.9 44.9

105 127.3 6.0 46.0#

51 60.7 14.7 54.7#

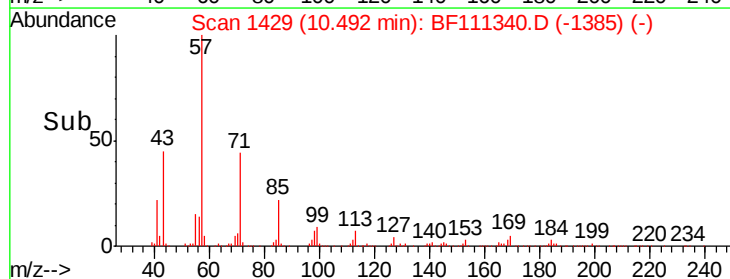
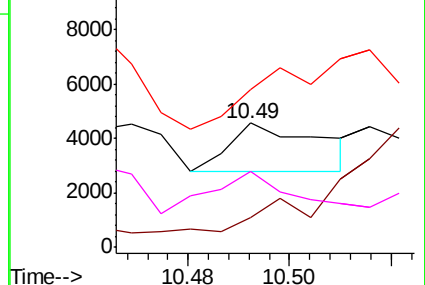


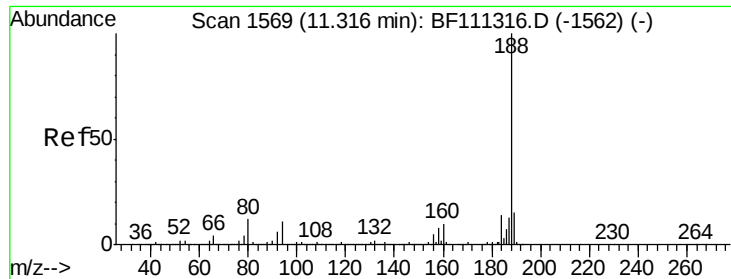
Abundance Ion 77.00 (76.70 to 77.70): BF1

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

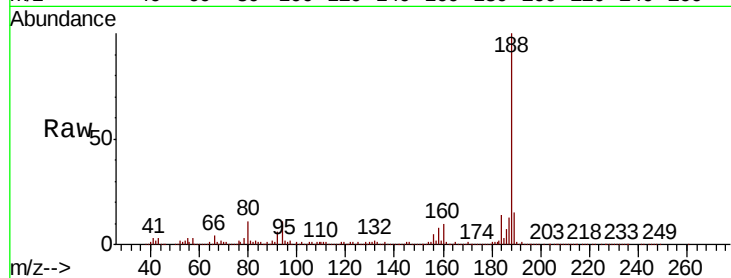




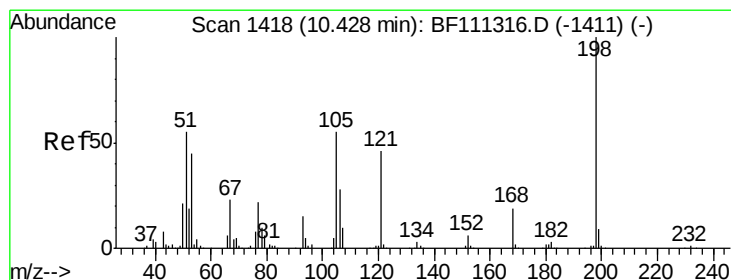
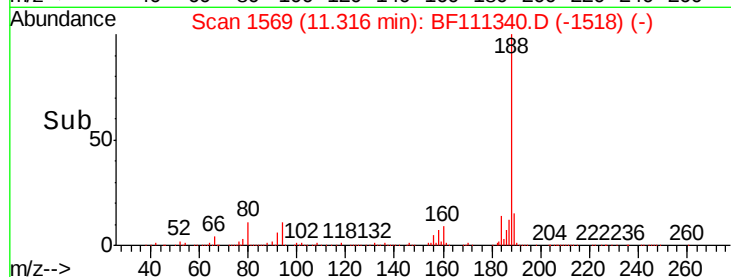
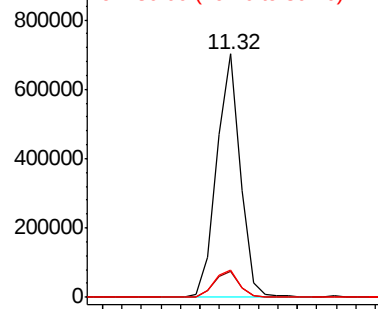
#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.32 min Scan# 1569
Delta R.T. 0.00 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Instrument :
BNA_F
ClientSampleId :
HR-05-121118-C

Tgt Ion:188 Resp: 587622
Ion Ratio Lower Upper
188 100
94 10.8 9.6 14.4
80 11.2 9.8 14.6

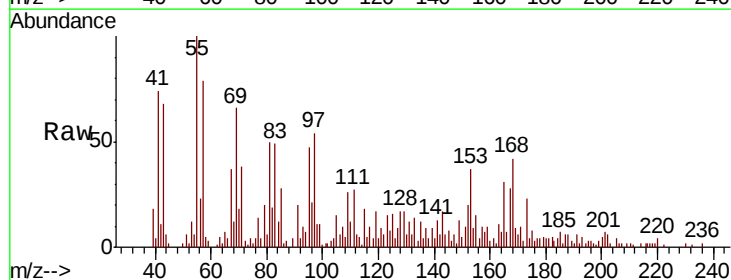


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF1
Ion 80.00 (79.70 to 80.70): BF1

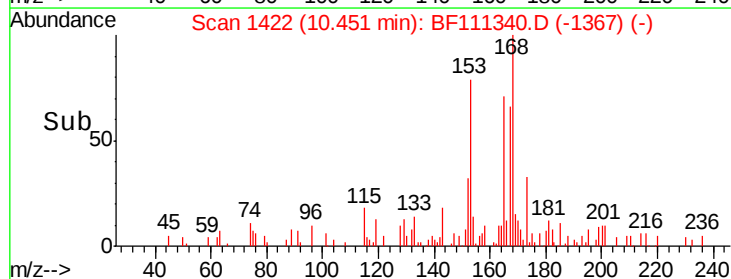
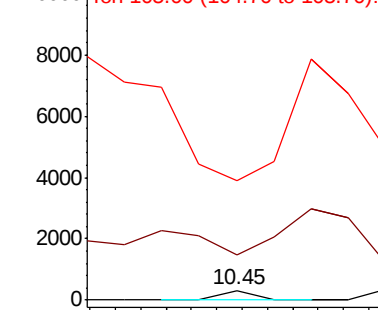


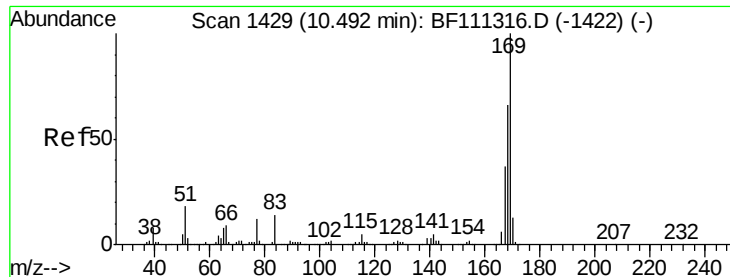
#65
4,6-Dinitro-2-methylphenol
Concen: 0.032 ng
RT: 10.45 min Scan# 1422
Delta R.T. 0.02 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Tgt Ion:198 Resp: 108
Ion Ratio Lower Upper
198 100
51 477.1 48.0 88.0#
105 1274.5 34.0 74.0#



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

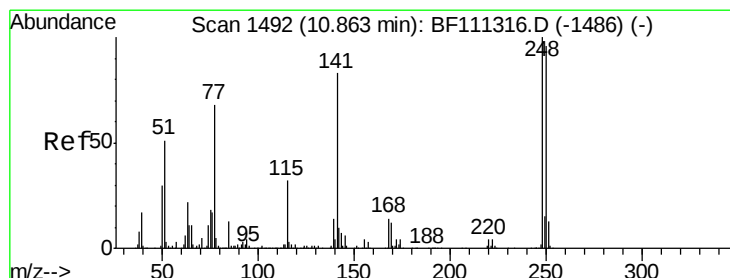
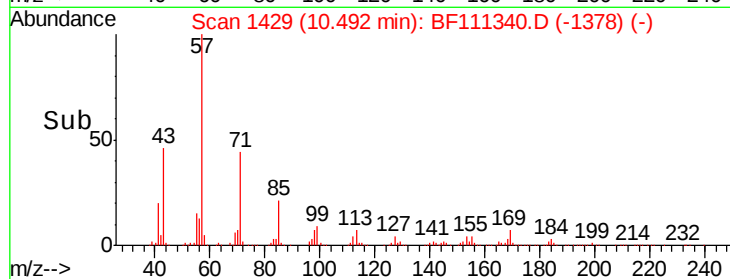
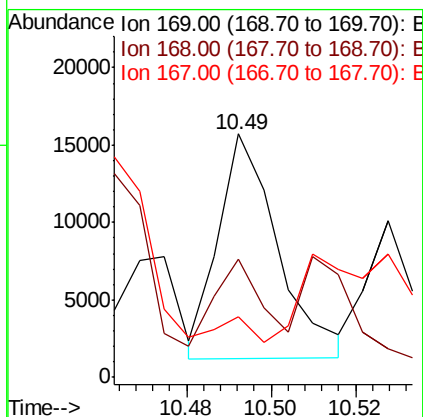
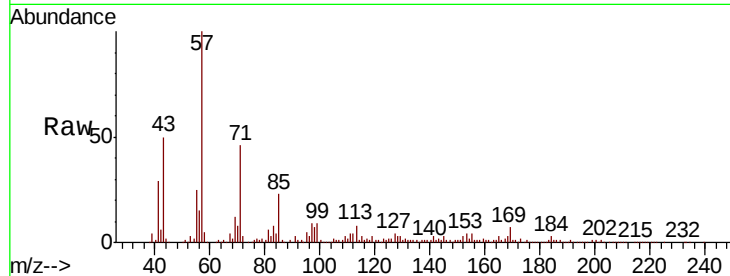




#66
 n-Nitrosodiphenylamine
 Concen: 0.680 ng
 RT: 10.49 min Scan# 1429
 Delta R.T. 0.00 min
 Lab File: BF111340.D
 Acq: 12 Dec 2018 23:50

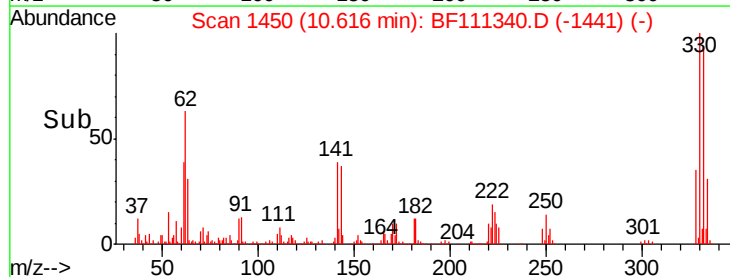
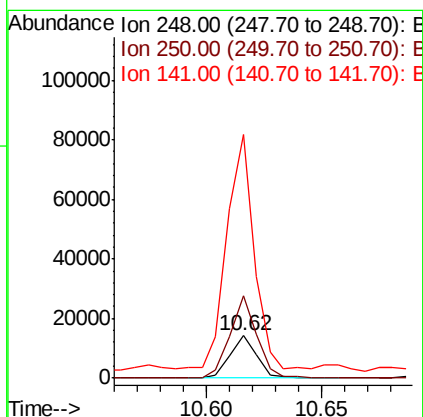
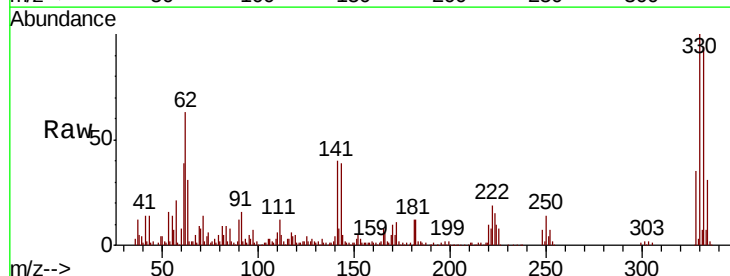
Instrument :
 BNA_F
 ClientSampleId :
 HR-05-121118-C

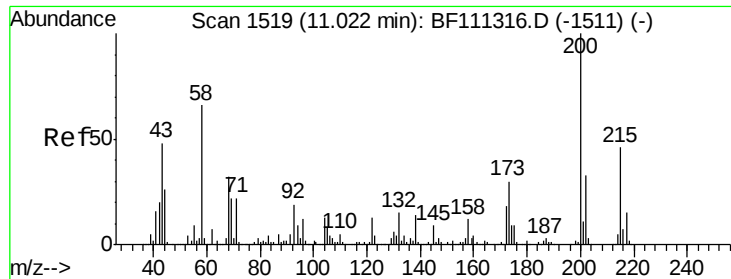
Tgt Ion:169 Resp: 14205
 Ion Ratio Lower Upper
 169 100
 168 48.7 54.4 81.6#
 167 24.7 30.5 45.7#



#67
 4-Bromophenyl-phenylether
 Concen: 1.750 ng
 RT: 10.62 min Scan# 1450
 Delta R.T. -0.25 min
 Lab File: BF111340.D
 Acq: 12 Dec 2018 23:50

Tgt Ion:248 Resp: 11448
 Ion Ratio Lower Upper
 248 100
 250 195.4 77.0 115.4#
 141 574.3 63.0 94.6#





#69

Atrazine

Concen: 0.372 ng

RT: 11.02 min Scan# 1518

Delta R.T. -0.01 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

Instrument :

BNA_F

ClientSampleId :

HR-05-121118-C

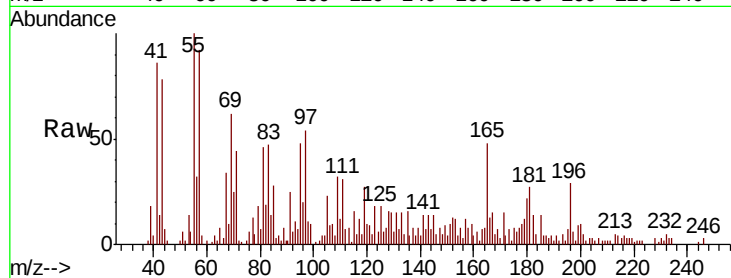
Tgt Ion:200 Resp: 2249

Ion Ratio Lower Upper

200 100

173 71.0 10.1 50.1#

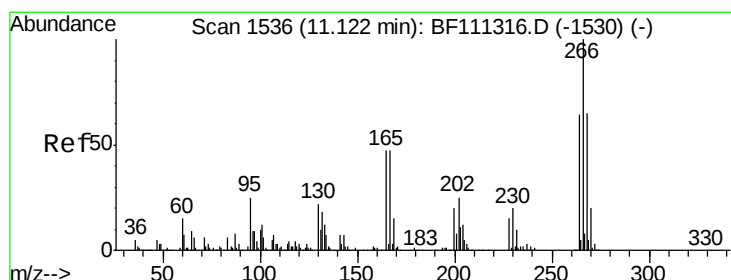
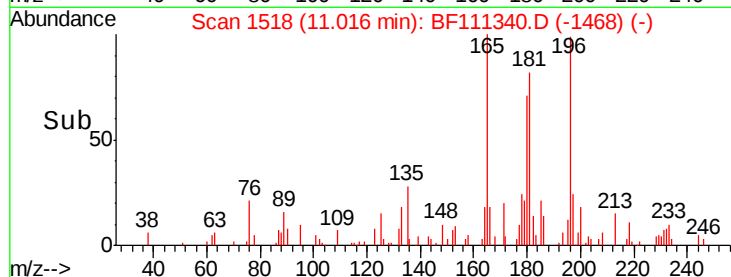
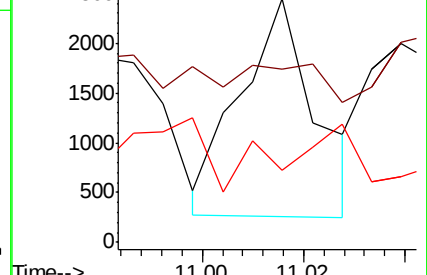
215 29.9 26.9 66.9



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: 0.024 ng

RT: 11.23 min Scan# 1555

Delta R.T. 0.11 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

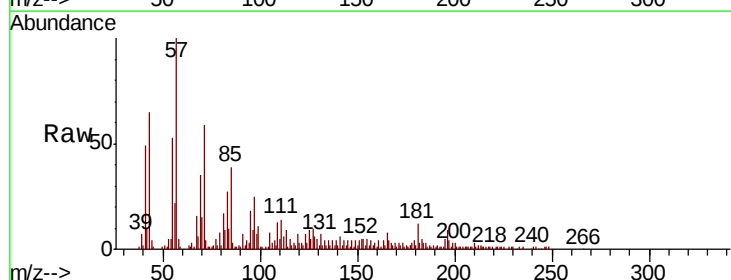
Tgt Ion:266 Resp: 107

Ion Ratio Lower Upper

266 100

268 0.0 47.9 71.9#

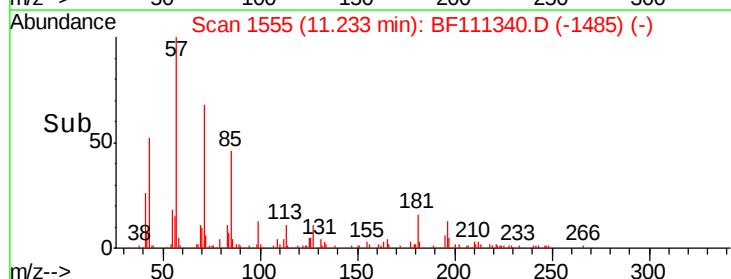
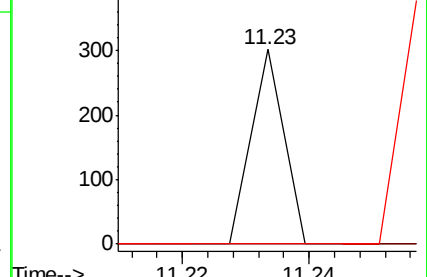
264 0.0 49.1 73.7#

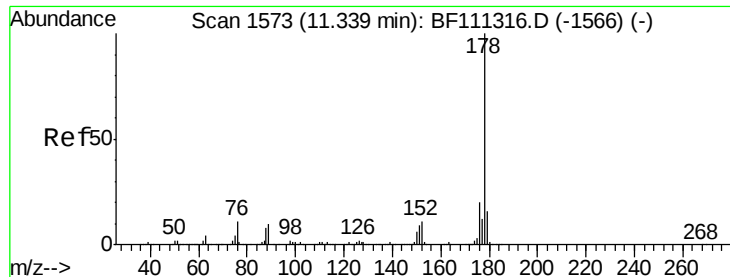


Abundance Ion 265.70 (265.40 to 266.40): E

Ion 268.00 (267.70 to 268.70): E

Ion 264.00 (263.70 to 264.70): E





#71

Phenanthrene

Concen: 27.270 ng

RT: 11.34 min Scan# 1573

Delta R.T. 0.00 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

Instrument :

BNA_F

ClientSampleId :

HR-05-121118-C

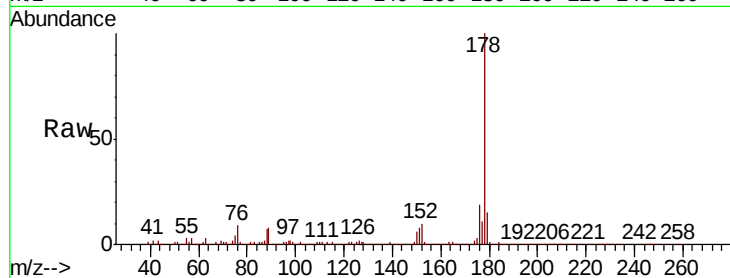
Tgt Ion:178 Resp: 828282

Ion Ratio Lower Upper

178 100

176 19.2 18.1 27.1

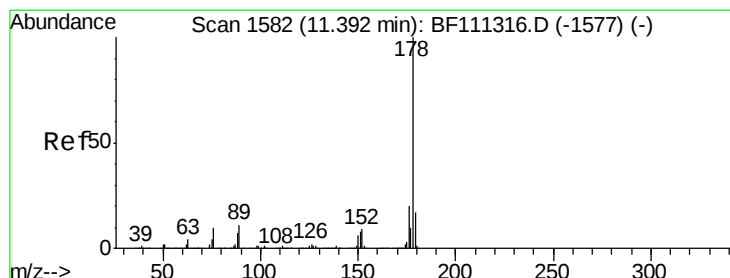
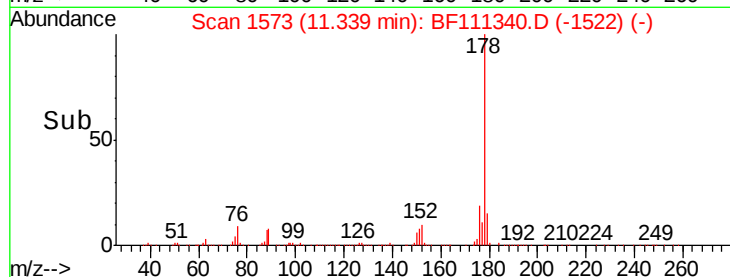
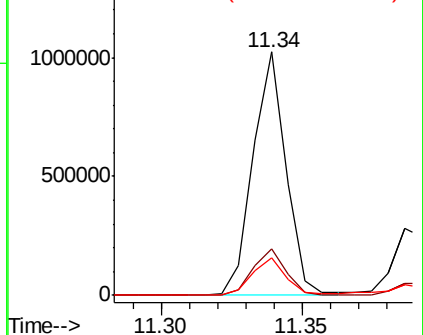
179 15.3 14.0 21.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#72

Anthracene

Concen: 7.847 ng

RT: 11.39 min Scan# 1581

Delta R.T. -0.01 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

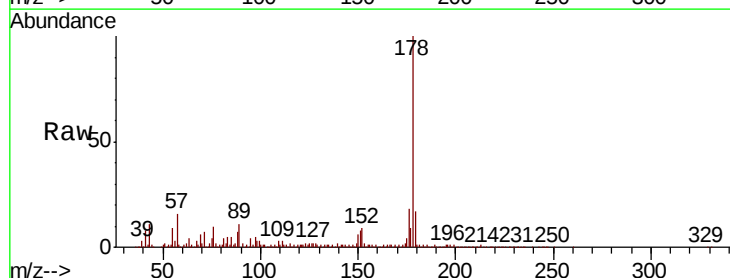
Tgt Ion:178 Resp: 242689

Ion Ratio Lower Upper

178 100

176 18.2 17.2 25.8

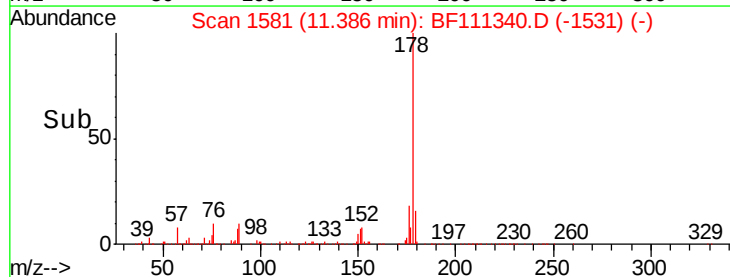
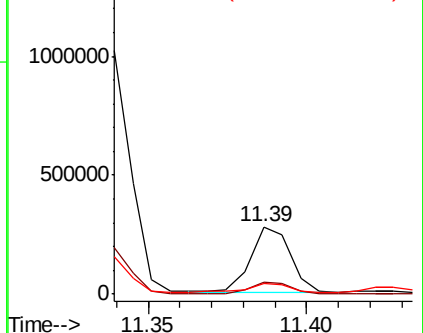
179 16.6 13.8 20.8

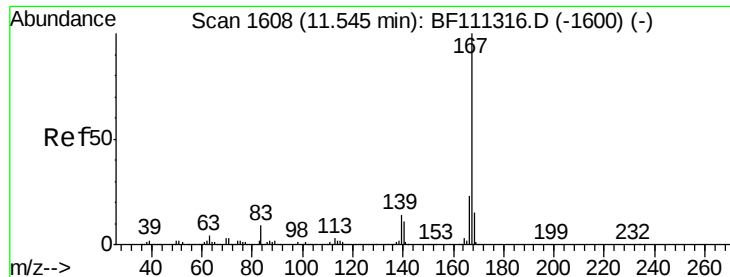


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

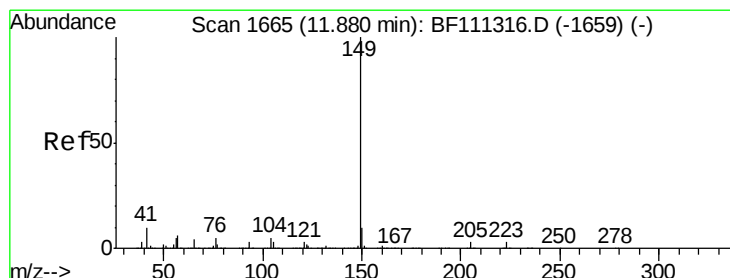
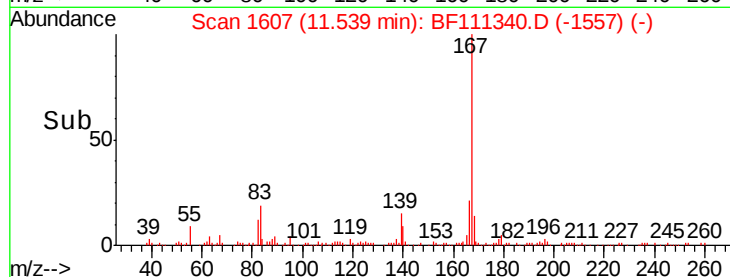
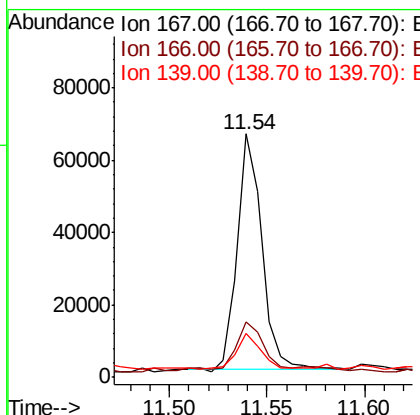
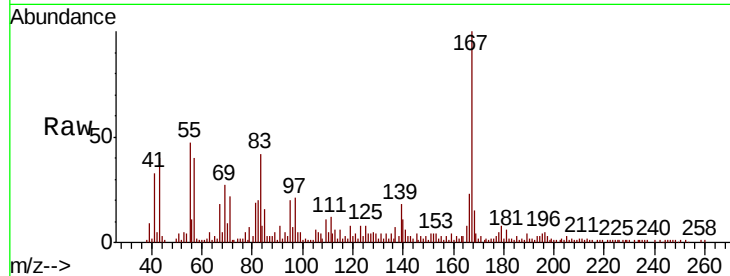




#73
 Carbazole
 Concen: 1.771 ng
 RT: 11.54 min Scan# 1607
 Delta R.T. -0.01 min
 Lab File: BF111340.D
 Acq: 12 Dec 2018 23:50

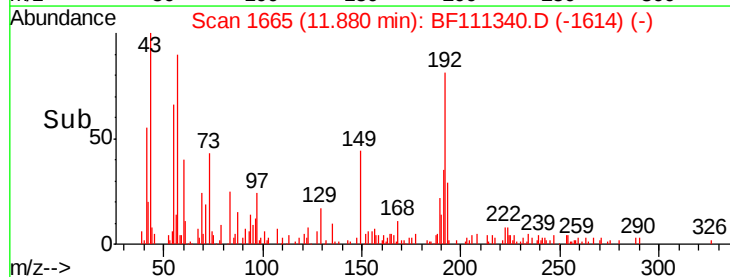
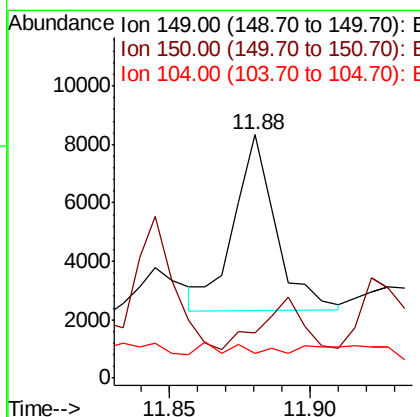
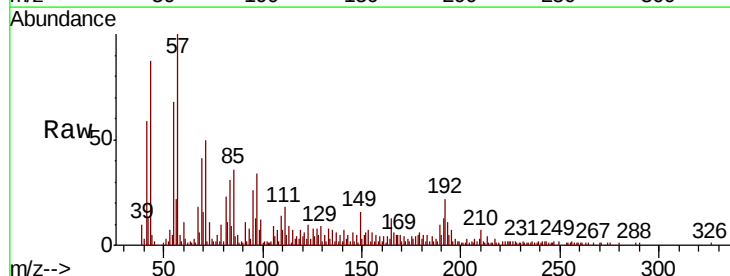
Instrument :
 BNA_F
 ClientSampleId :
 HR-05-121118-C

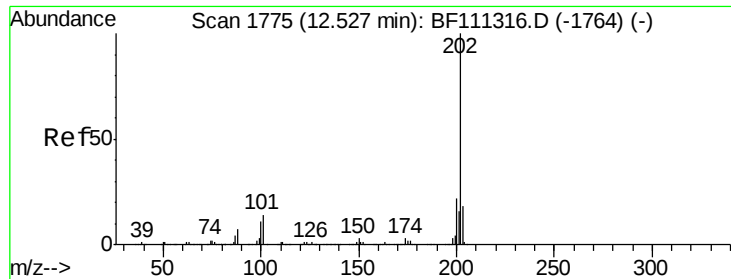
Tgt Ion:167 Resp: 56626
 Ion Ratio Lower Upper
 167 100
 166 22.9 19.3 28.9
 139 17.8 11.9 17.9



#74
 Di-n-butylphthalate
 Concen: 0.170 ng
 RT: 11.88 min Scan# 1665
 Delta R.T. 0.00 min
 Lab File: BF111340.D
 Acq: 12 Dec 2018 23:50

Tgt Ion:149 Resp: 6172
 Ion Ratio Lower Upper
 149 100
 150 18.4 8.8 13.2#
 104 10.3 4.5 6.7#





#75

Fluoranthene

Concen: 37.110 ng

RT: 12.53 min Scan# 1776

Delta R.T. 0.01 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

Instrument :

BNA_F

ClientSampleId :

HR-05-121118-C

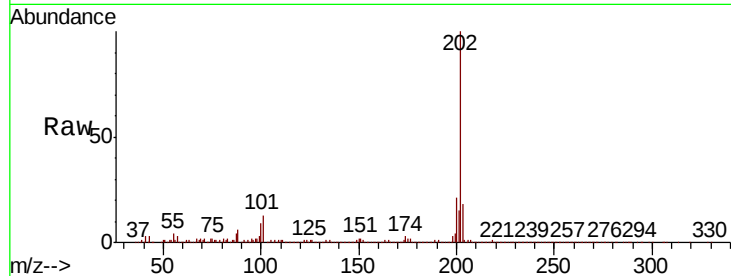
Tgt Ion:202 Resp: 1100345

Ion Ratio Lower Upper

202 100

101 12.7 0.0 33.8

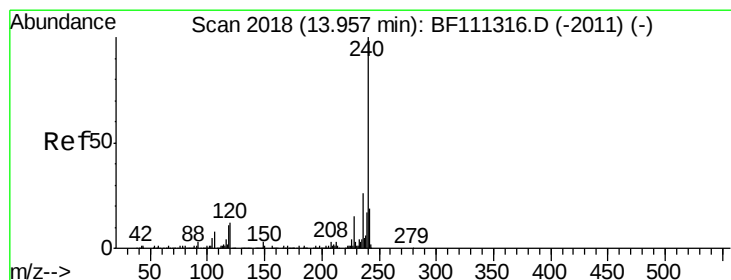
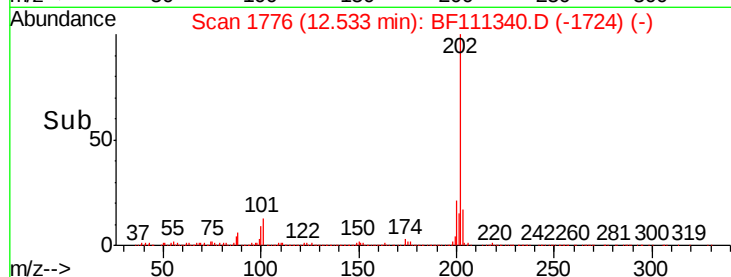
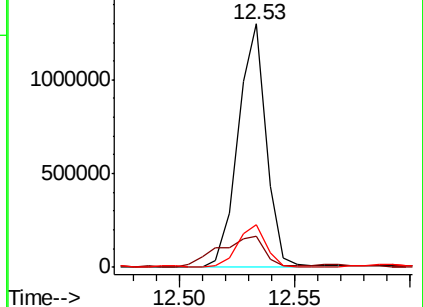
203 17.6 0.0 38.6



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.96 min Scan# 2018

Delta R.T. 0.00 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

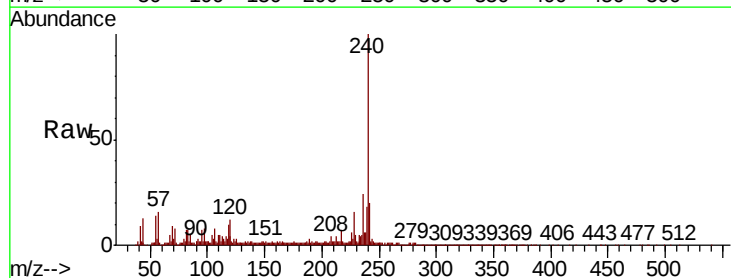
Tgt Ion:240 Resp: 366586

Ion Ratio Lower Upper

240 100

120 12.3 12.2 18.2

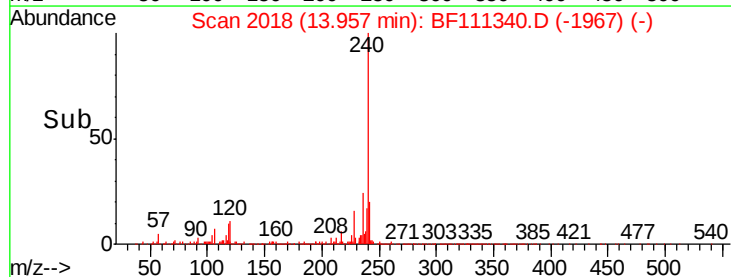
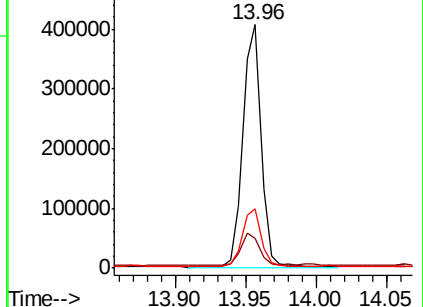
236 24.1 20.2 30.2

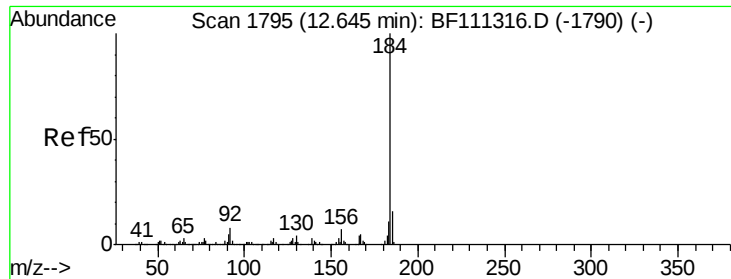


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 0.301 ng

RT: 12.63 min Scan# 1793

Delta R.T. -0.01 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

Instrument :

BNA_F

ClientSampleId :

HR-05-121118-C

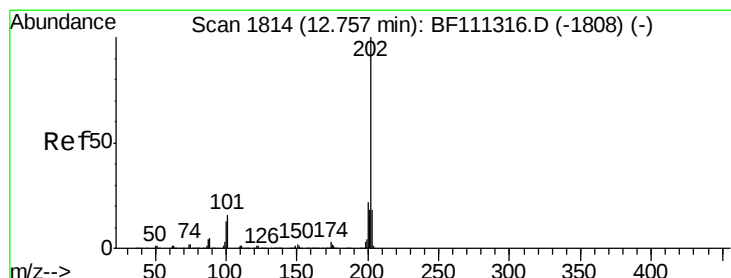
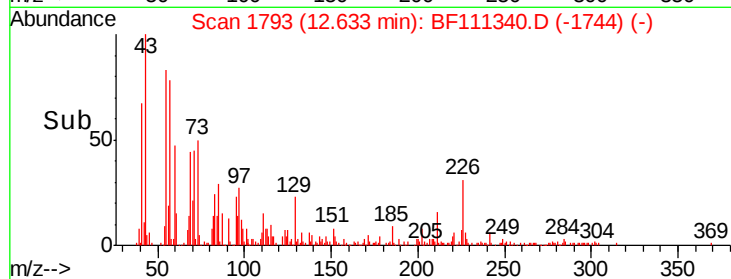
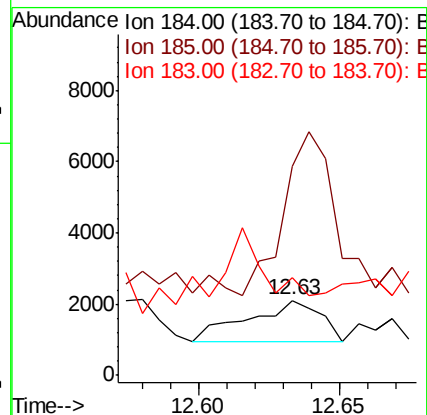
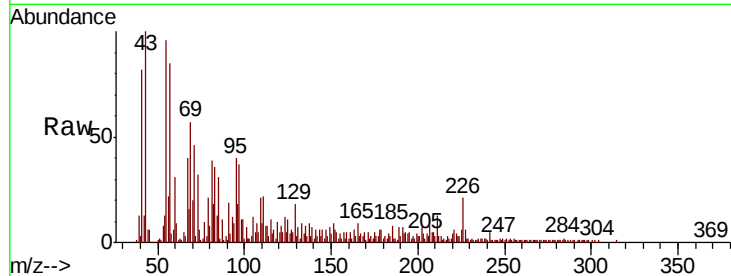
Tgt Ion:184 Resp: 2084

Ion Ratio Lower Upper

184 100

185 280.1 13.0 19.6#

183 131.4 9.3 13.9#



#78

Pyrene

Concen: 34.354 ng

RT: 12.76 min Scan# 1815

Delta R.T. 0.01 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

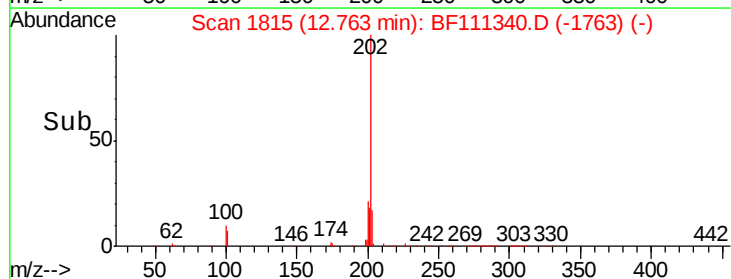
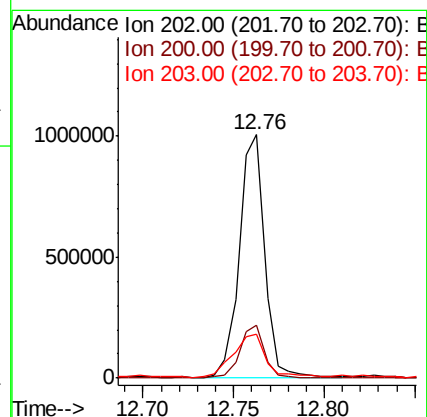
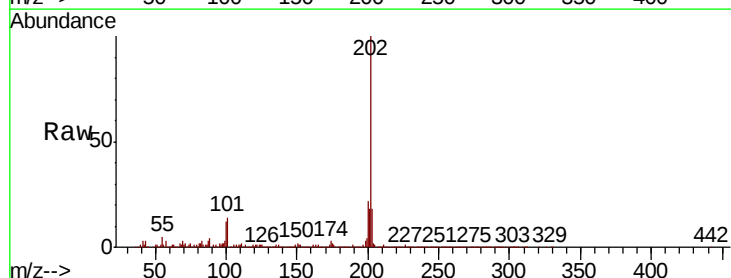
Tgt Ion:202 Resp: 971935

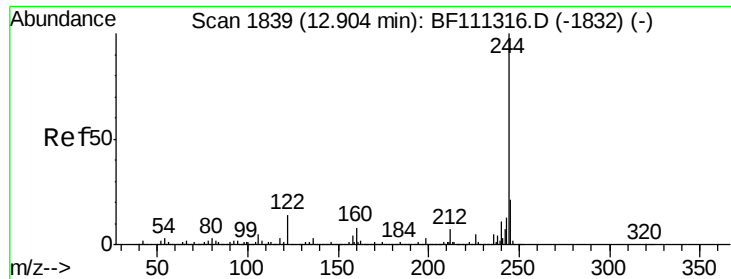
Ion Ratio Lower Upper

202 100

200 21.6 19.0 28.4

203 18.0 15.2 22.8





#79

Terphenyl-d14

Concen: 49.761 ng

RT: 12.90 min Scan# 1839

Delta R.T. 0.00 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

Instrument :

BNA_F

ClientSampleId :

HR-05-121118-C

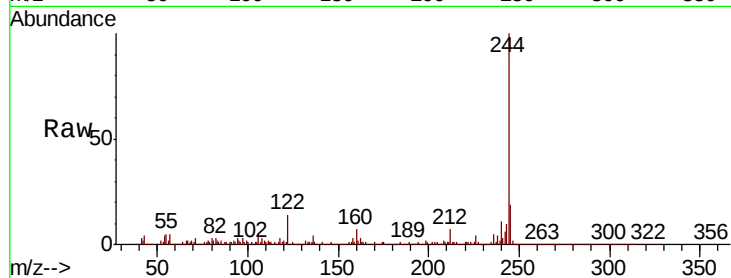
Tgt Ion:244 Resp: 828815

Ion Ratio Lower Upper

244 100

212 6.6 5.7 8.5

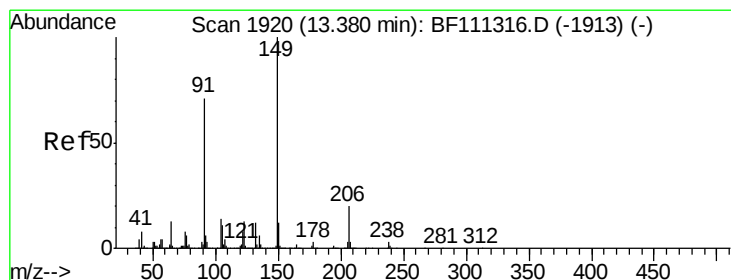
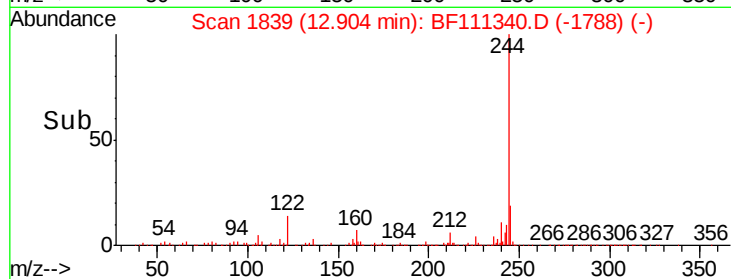
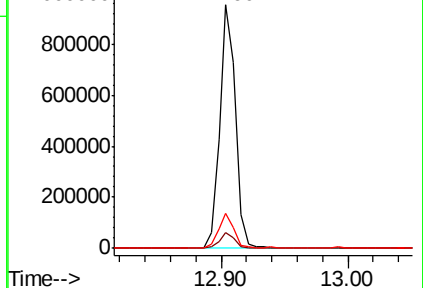
122 14.2 13.1 19.7



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#80

Butylbenzylphthalate

Concen: 0.332 ng

RT: 13.38 min Scan# 1920

Delta R.T. 0.00 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

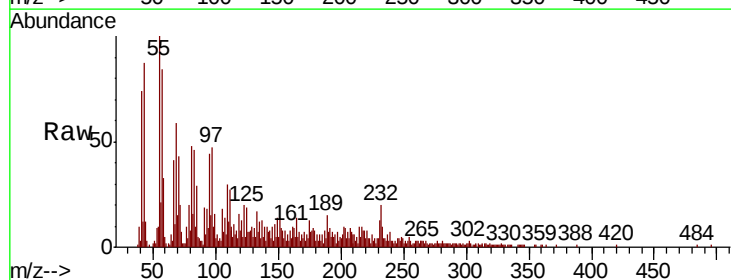
Tgt Ion:149 Resp: 4510

Ion Ratio Lower Upper

149 100

91 137.3 63.8 95.6#

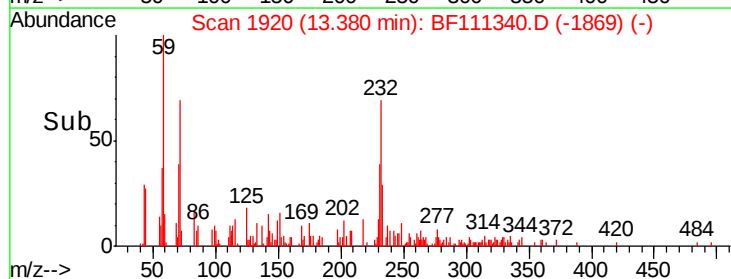
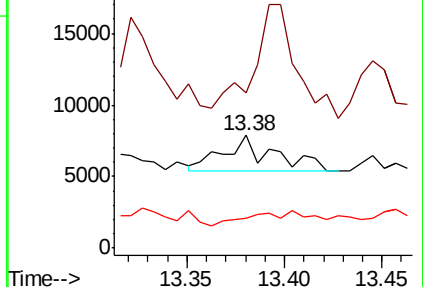
206 26.3 15.1 22.7#

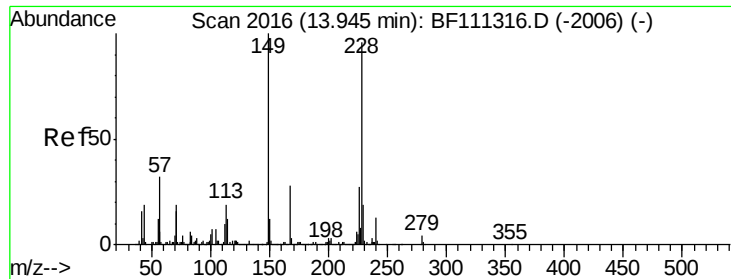


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

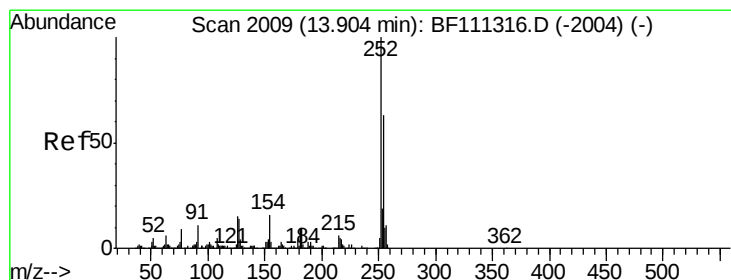
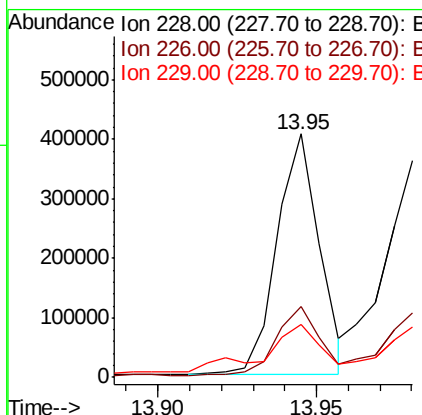
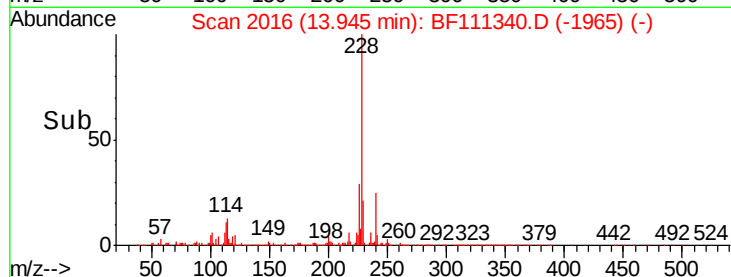
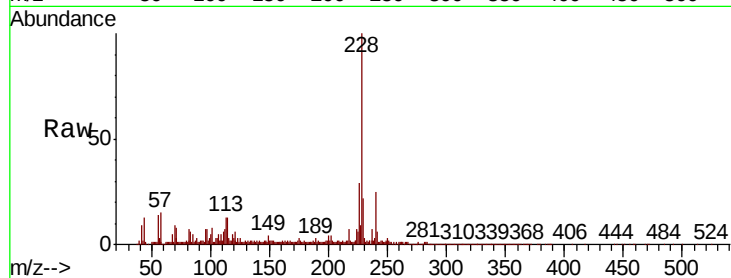




#81
Benzo(a)anthracene
Concen: 18.498 ng
RT: 13.95 min Scan# 2016
Delta R.T. 0.00 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

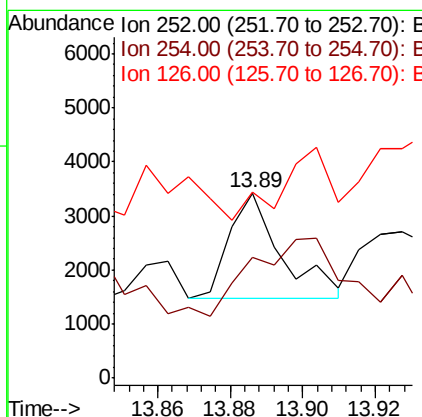
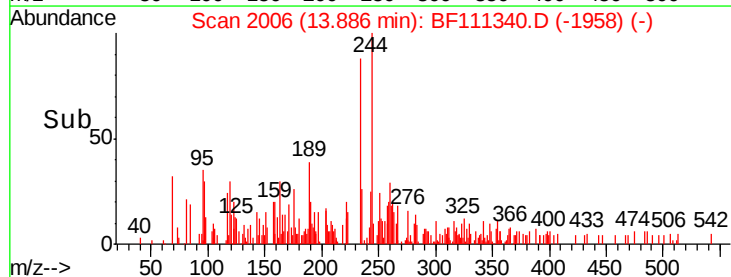
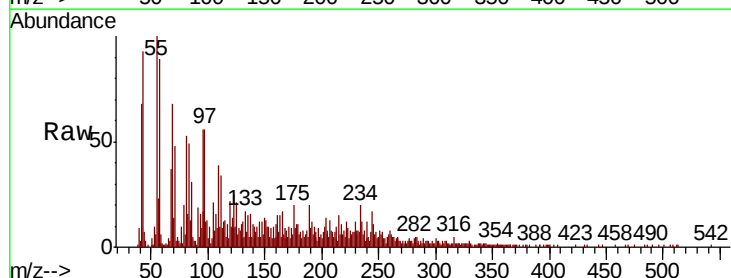
Instrument :
BNA_F
ClientSampleId :
HR-05-121118-C

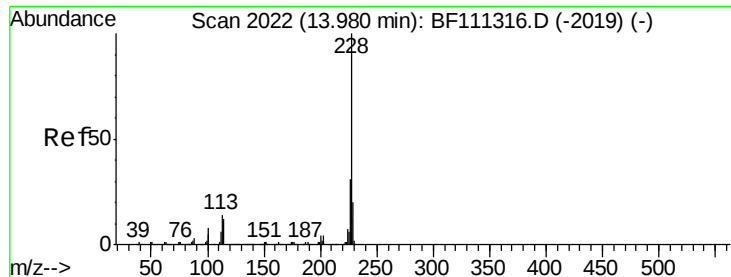
Tgt Ion:228 Resp: 379409
Ion Ratio Lower Upper
228 100
226 29.2 22.6 34.0
229 21.9 16.3 24.5



#82
3,3'-Dichlorobenzidine
Concen: 0.247 ng
RT: 13.89 min Scan# 2006
Delta R.T. -0.02 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Tgt Ion:252 Resp: 1917
Ion Ratio Lower Upper
252 100
254 65.3 52.7 79.1
126 100.8 11.1 16.7#





#83

Chrysene

Concen: 15.916 ng

RT: 13.98 min Scan# 2022

Delta R.T. 0.00 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

Instrument :

BNA_F

ClientSampleId :

HR-05-121118-C

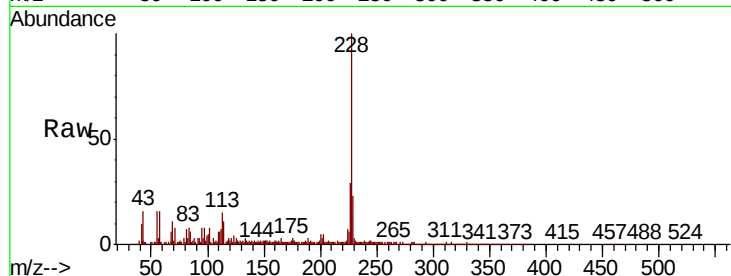
Tgt Ion:228 Resp: 333070

Ion Ratio Lower Upper

228 100

226 29.4 25.3 37.9

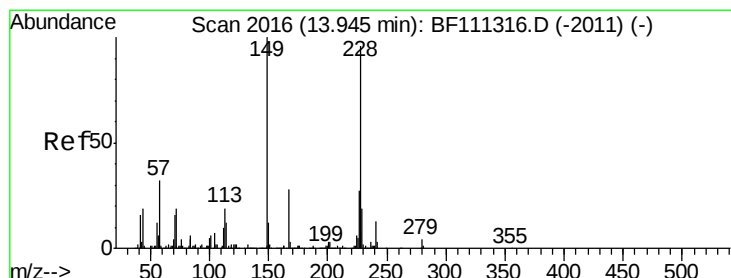
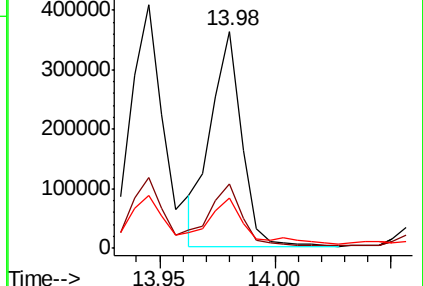
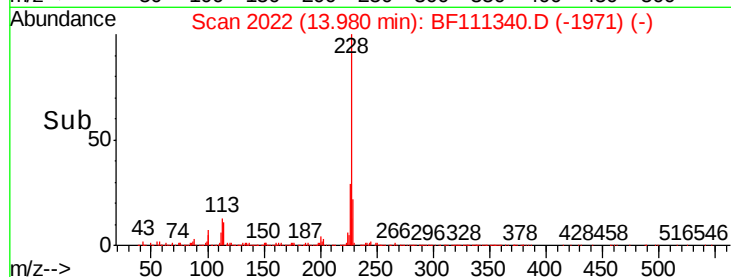
229 23.4 17.2 25.8



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: 0.521 ng

RT: 13.95 min Scan# 2016

Delta R.T. 0.00 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

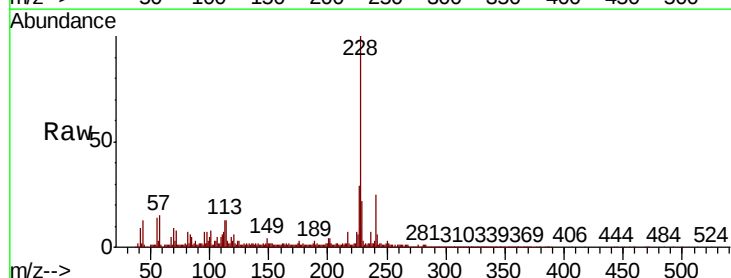
Tgt Ion:149 Resp: 8650

Ion Ratio Lower Upper

149 100

167 45.6 22.5 33.7#

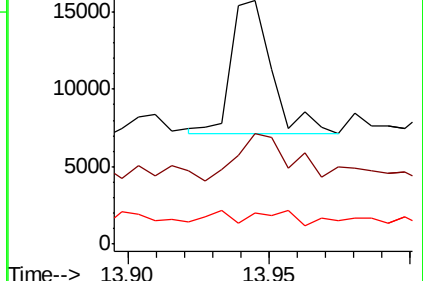
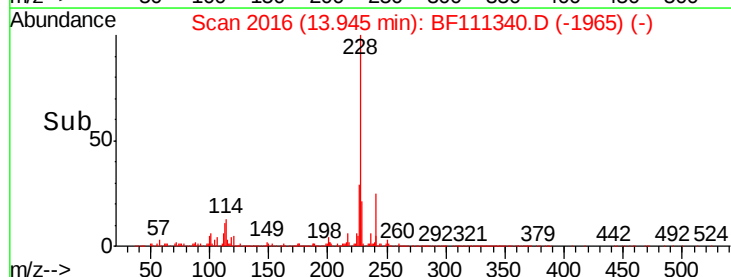
279 12.6 2.6 4.0#

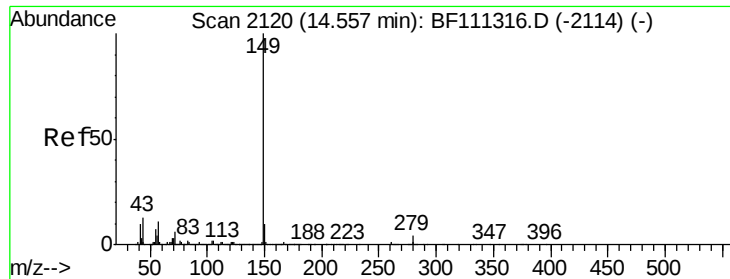


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

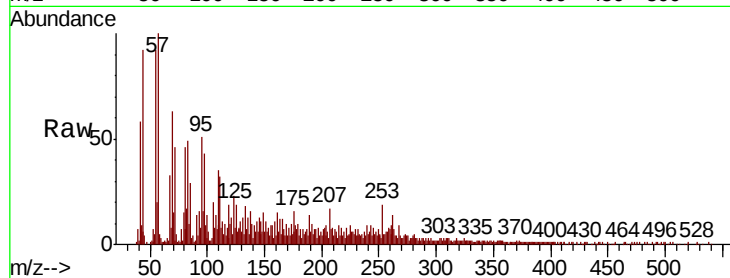




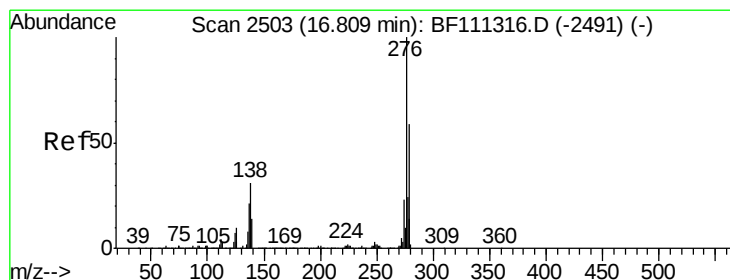
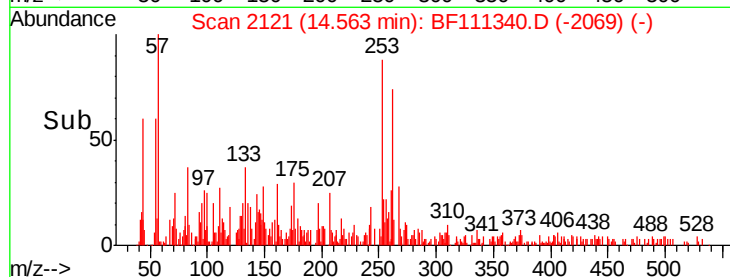
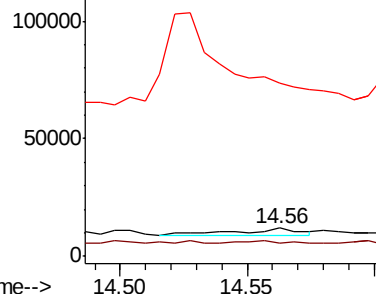
#85
Di-n-octyl phthalate
Concen: 0.225 ng
RT: 14.56 min Scan# 2121
Delta R.T. 0.01 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Instrument :
BNA_F
ClientSampleId :
HR-05-121118-C

Tgt Ion:149 Resp: 6126
Ion Ratio Lower Upper
149 100
167 15.4 1.3 1.9#
43 0.0 10.9 16.3#

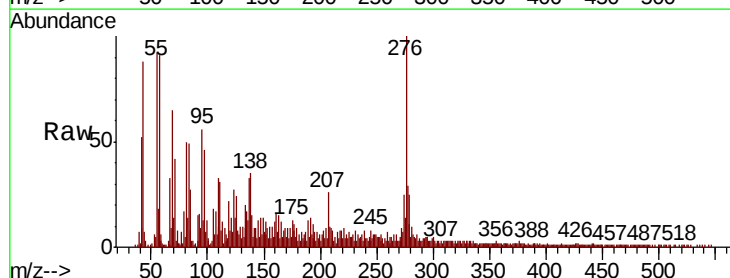


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF1

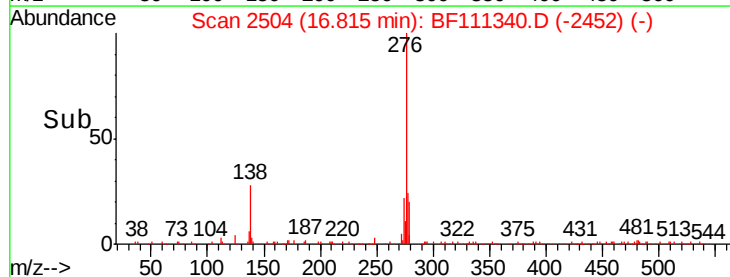
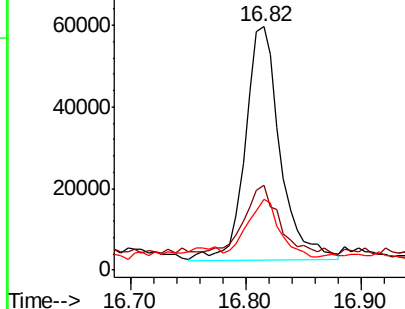


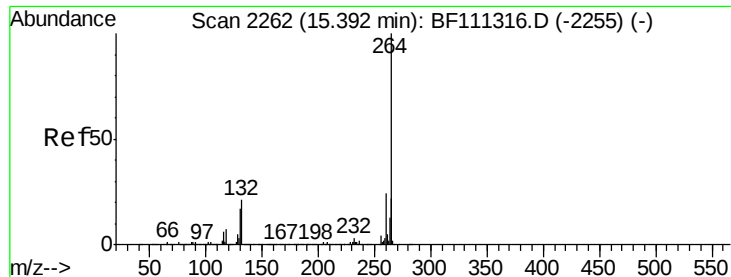
#86
Indeno(1,2,3-cd)pyrene
Concen: 7.294 ng
RT: 16.82 min Scan# 2504
Delta R.T. 0.01 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Tgt Ion:276 Resp: 119373
Ion Ratio Lower Upper
276 100
138 29.8 27.8 41.6
277 22.8 20.1 30.1



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

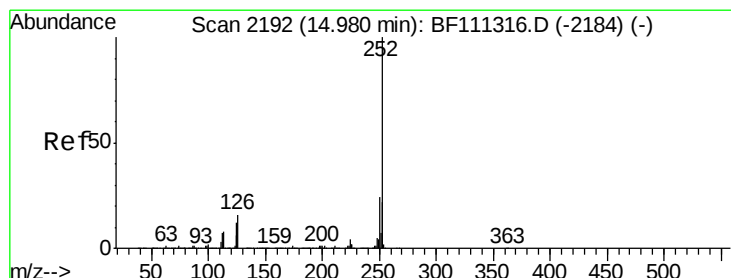
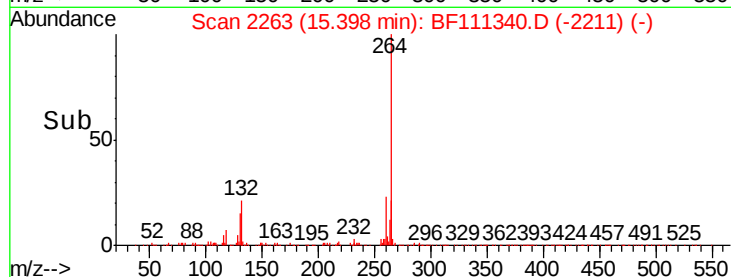
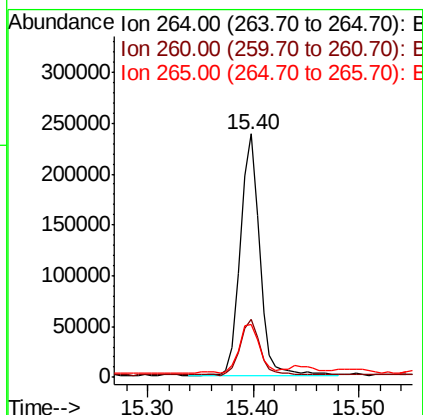
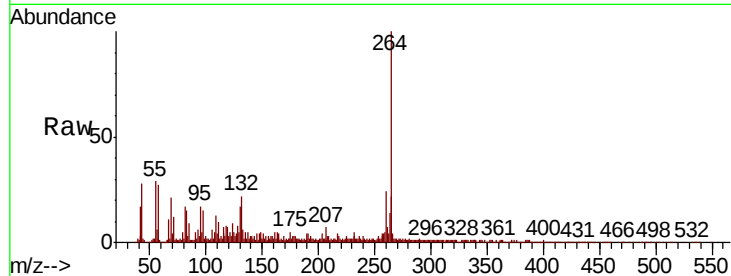




#87
Perylene-d12
Concen: 20.000 ng
RT: 15.40 min Scan# 2263
Delta R.T. 0.01 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

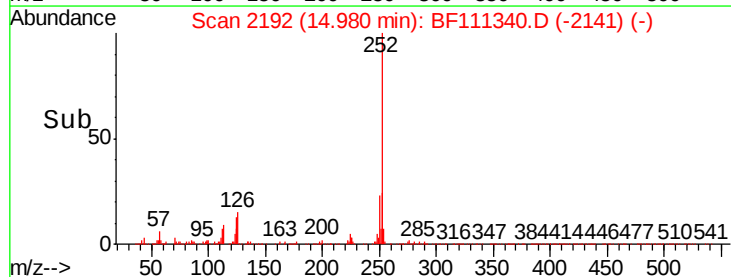
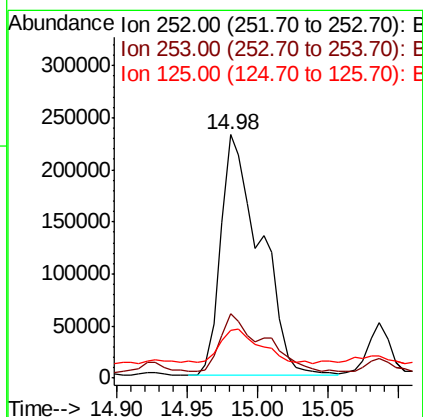
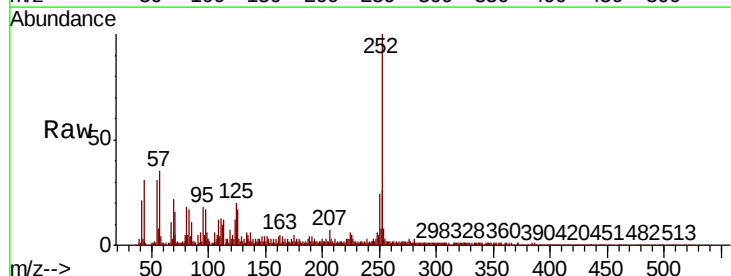
Instrument :
BNA_F
ClientSampleId :
HR-05-121118-C

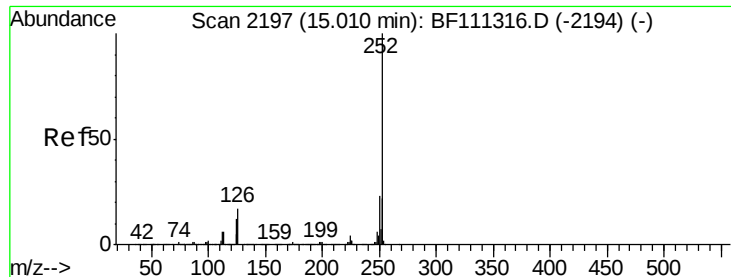
Tgt Ion:264 Resp: 297166
Ion Ratio Lower Upper
264 100
260 23.6 18.3 27.5
265 22.0 17.7 26.5



#88
Benzo(b)fluoranthene
Concen: 26.668 ng
RT: 14.98 min Scan# 2192
Delta R.T. 0.00 min
Lab File: BF111340.D
Acq: 12 Dec 2018 23:50

Tgt Ion:252 Resp: 450639
Ion Ratio Lower Upper
252 100
253 26.2 18.2 27.2
125 19.7 10.4 15.6#





#89

Benzo(k)fluoranthene

Concen: 26.717 ng

RT: 14.98 min Scan# 2192

Delta R.T. -0.03 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

Instrument :

BNA_F

ClientSampleId :

HR-05-121118-C

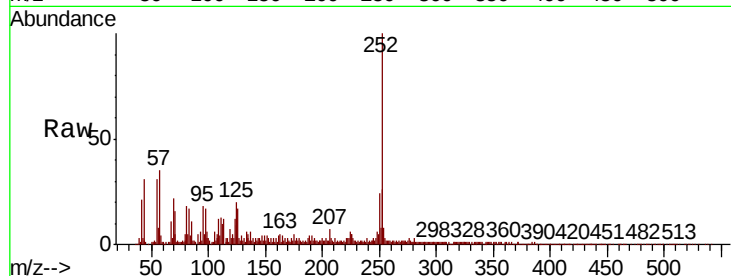
Tgt Ion:252 Resp: 450639

Ion Ratio Lower Upper

252 100

253 26.2 18.1 27.1

125 19.7 9.8 14.8#

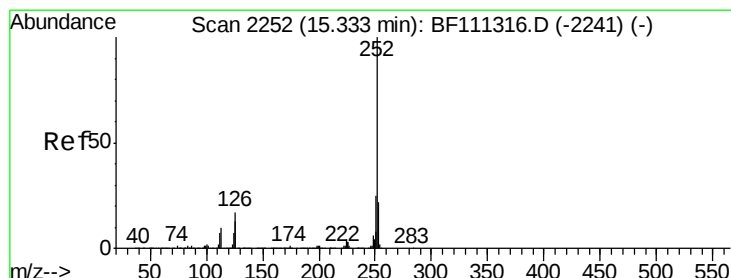
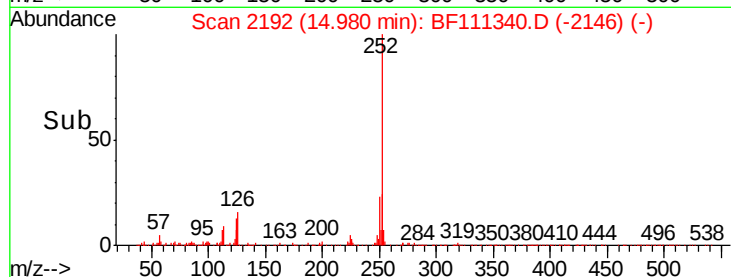
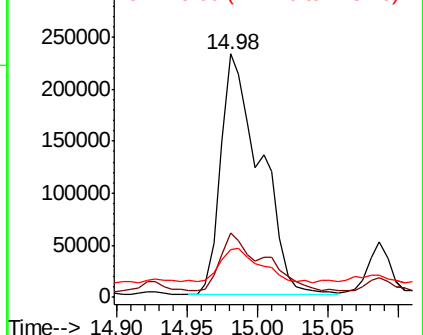


Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#90

Benzo(a)pyrene

Concen: 15.402 ng

RT: 15.33 min Scan# 2252

Delta R.T. 0.00 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

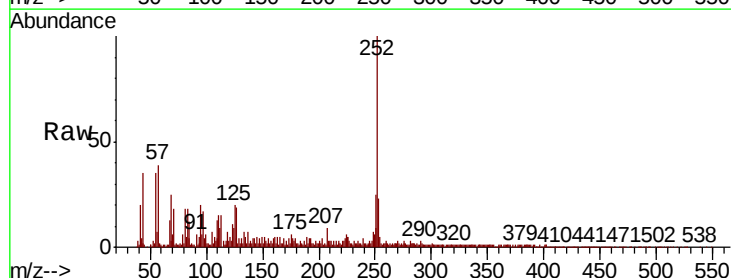
Tgt Ion:252 Resp: 242336

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

125 20.2 12.3 18.5#

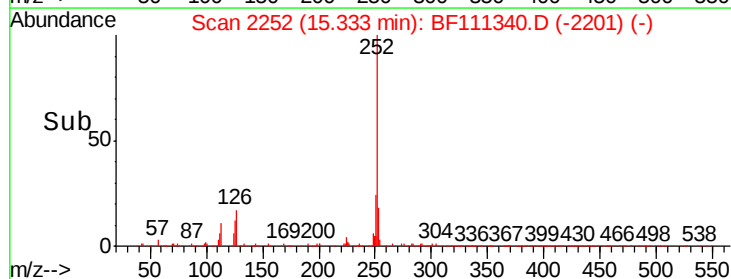
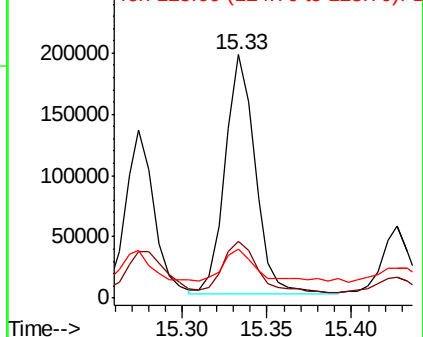


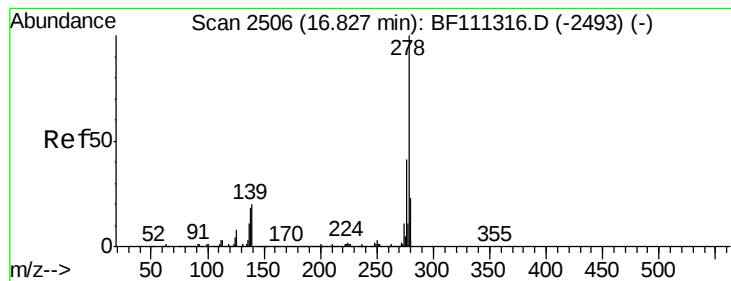
Abundance

Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Dibenzo(a,h)anthracene

Concen: 2.652 ng

RT: 16.82 min Scan# 2505

Delta R.T. -0.01 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

Instrument :

BNA_F

ClientSampleId :

HR-05-121118-C

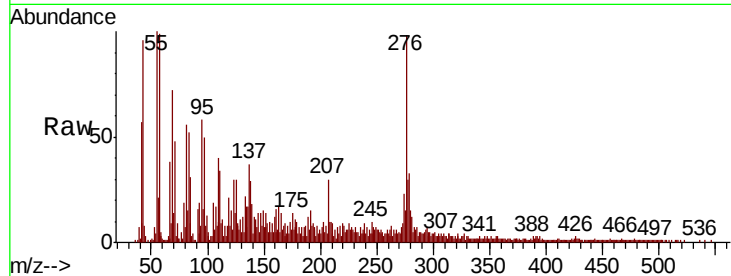
Tgt Ion:278 Resp: 34716

Ion Ratio Lower Upper

278 100

139 54.5 18.2 27.4#

279 44.0 19.0 28.6#

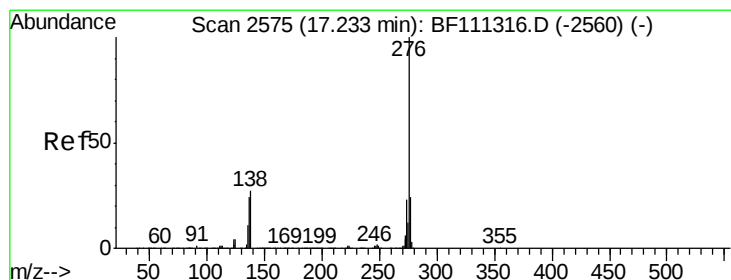
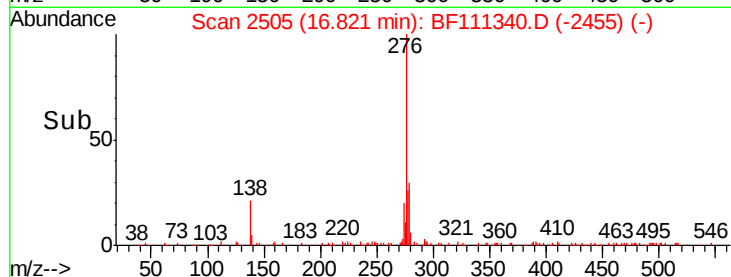
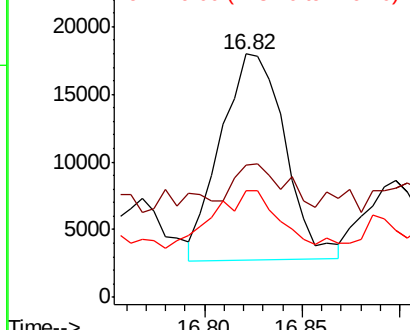


Abundance

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: 8.058 ng

RT: 17.24 min Scan# 2577

Delta R.T. 0.01 min

Lab File: BF111340.D

Acq: 12 Dec 2018 23:50

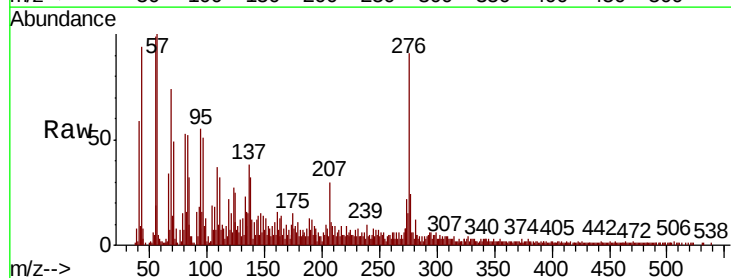
Tgt Ion:276 Resp: 105463

Ion Ratio Lower Upper

276 100

277 26.9 19.2 28.8

138 35.0 24.9 37.3



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

