

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022819\
 Data File : BF112768.D
 Acq On : 28 Feb 2019 18:35
 Operator : JU/SJ
 Sample : PB117468BL
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB117468BL

Quant Time: Mar 01 04:50:00 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 27 16:08:50 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.75	152	187996	20.00	ng	0.00
21) Naphthalene-d8	8.02	136	713991	20.00	ng	0.00
39) Acenaphthene-d10	9.77	164	333833	20.00	ng	0.00
64) Phenanthrene-d10	11.25	188	606236	20.00	ng	0.00
76) Chrysene-d12	13.87	240	398196	20.00	ng	0.00
87) Perylene-d12	15.29	264	423734	20.00	ng	0.01

System Monitoring Compounds

5) 2-Fluorophenol	5.36	112	1233851	102.09	ng	0.02
7) Phenol-d6	6.38	99	1557215	102.57	ng	0.01
23) Nitrobenzene-d5	7.30	82	971959	81.46	ng	0.00
42) 2,4,6-Tribromophenol	10.56	330	386802	109.14	ng	0.00
45) 2-Fluorobiphenyl	9.10	172	1730122	89.66	ng	0.00
79) Terphenyl-d14	12.83	244	1492933	72.68	ng	0.00

Target Compounds

						Qvalue
4) n-Nitrosodimethylamine	3.10	42	219	0.031	ng	# 1
6) Aniline	6.52	93	1730	0.083	ng	# 1
8) 2-Chlorophenol	6.53	128	365	0.027	ng	# 1
9) Benzaldehyde	6.38	77	2221	0.203	ng	# 1
10) Phenol	6.37	94	343	0.019	ng	# 1
11) bis(2-Chloroethyl)ether	6.52	93	1730	0.127	ng	# 1
15) Benzyl Alcohol	6.90	79	16282	1.406	ng	# 50
16) 2,2'-oxybis(1-Chloropropan	7.01	45	155	0.007	ng	# 71
19) n-Nitroso-di-n-propylamine	7.30	70	129048	13.422	ng	# 76
24) Nitrobenzene	7.30	77	2841	0.214	ng	# 37
25) Isophorone	7.30	82	960235	37.355	ng	# 66
38) 1-Methylnaphthalene	9.10	142	767	0.035	ng	# 27
46) 1,1'-Biphenyl	9.20	154	3421	0.126	ng	# 95
48) 2-Nitroaniline	9.10	65	3415	0.528	ng	# 1
49) Acenaphthylene	9.65	152	123	0.003	ng	# 59
50) Dimethylphthalate	9.77	163	89739	3.646	ng	# 1
51) 2,6-Dinitrotoluene	9.77	165	42490	8.289	ng	# 18
52) Acenaphthene	9.77	154	1444	0.068	ng	# 5
57) 2,4-Dinitrotoluene	9.77	165	42490	6.669	ng	# 18
58) Fluorene	10.56	166	16574	0.761	ng	# 80
63) Azobenzene	10.48	77	367	0.014	ng	# 1
65) 4,6-Dinitro-2-methylphenol	10.56	198	641	4.845	ng	# 1
66) n-Nitrosodiphenylamine	10.56	169	11051	0.568	ng	# 42
67) 4-Bromophenyl-phenylether	10.56	248	22138	3.467	ng	# 1
71) Phenanthrene	11.27	178	132	0.004	ng	# 59
72) Anthracene	11.27	178	132	0.004	ng	# 59
73) Carbazole	11.47	167	109	0.004	ng	# 59
74) Di-n-butylphthalate	11.82	149	2440	0.066	ng	# 78
77) Benzidine	12.83	184	19311	0.935	ng	# 95
78) Pyrene	12.83	202	4569	0.136	ng	# 58
80) Butylbenzylphthalate	13.30	149	1449	0.098	ng	# 33
81) Benzo(a)anthracene	13.87	228	1226	0.044	ng	# 42
82) 3,3'-Dichlorobenzidine	13.66	252	109	0.010	ng	# 1
83) Chrysene	13.90	228	331	0.012	ng	# 28

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022819\
Data File : BF112768.D
Acq On : 28 Feb 2019 18:35
Operator : JU/SJ
Sample : PB117468BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB117468BL

Quant Time: Mar 01 04:50:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 27 16:08:50 2019
Response via : Initial Calibration

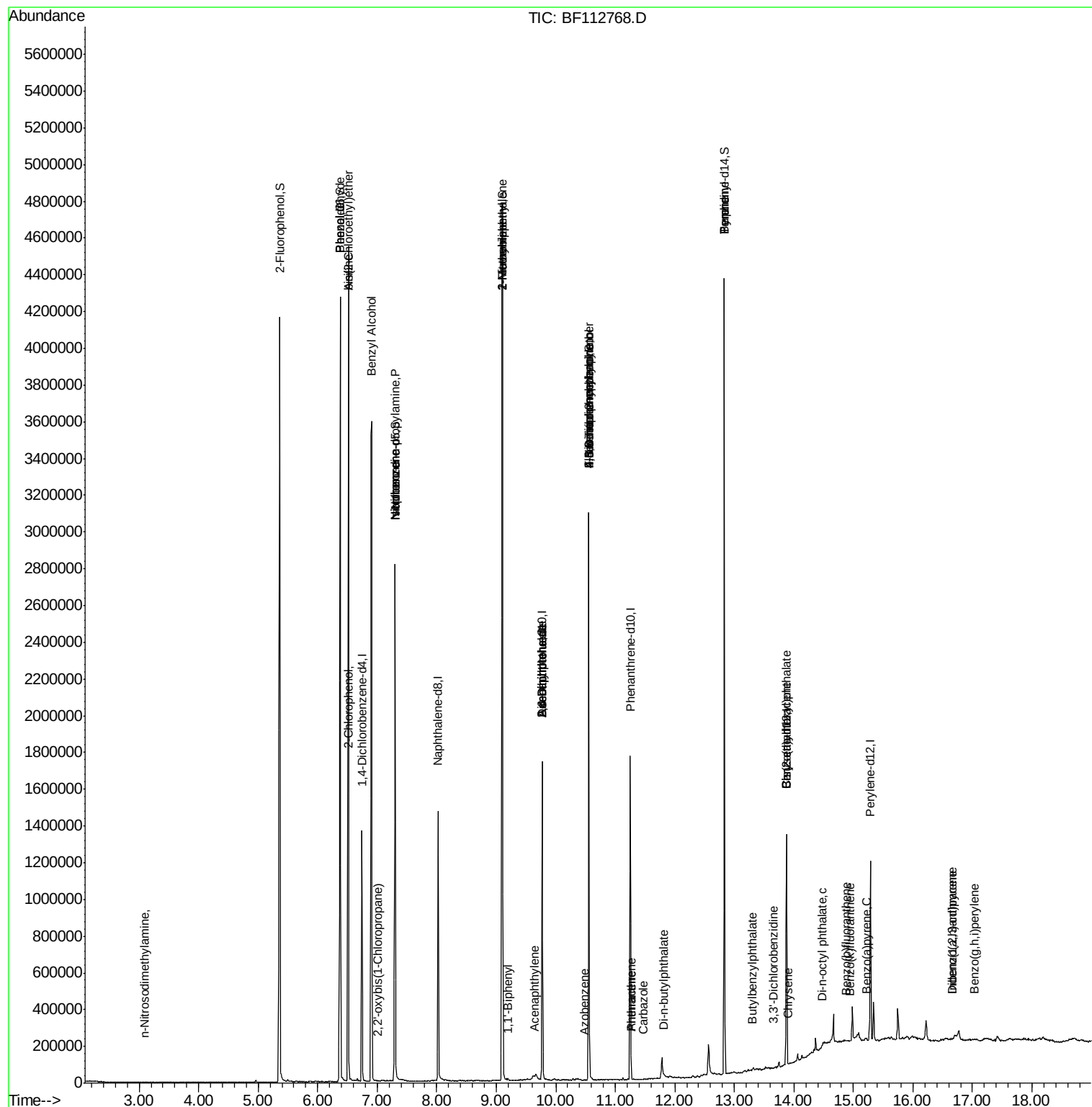
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
84) Bis(2-ethylhexyl)phthalate	13.87	149	650	0.037	ng	# 57
85) Di-n-octyl phthalate	14.47	149	442	0.015	ng	# 1
86) Indeno(1,2,3-cd)pyrene	16.66	276	878	0.038	ng	# 67
88) Benzo(b)fluoranthene	14.87	252	658	0.024	ng	# 1
89) Benzo(k)fluoranthene	14.93	252	264	0.011	ng	# 1
90) Benzo(a)pyrene	15.22	252	681	0.028	ng	# 1
91) Dibenzo(a,h)anthracene	16.66	278	112	0.005	ng	# 1
92) Benzo(g,h,i)perylene	17.03	276	131	0.006	ng	# 1

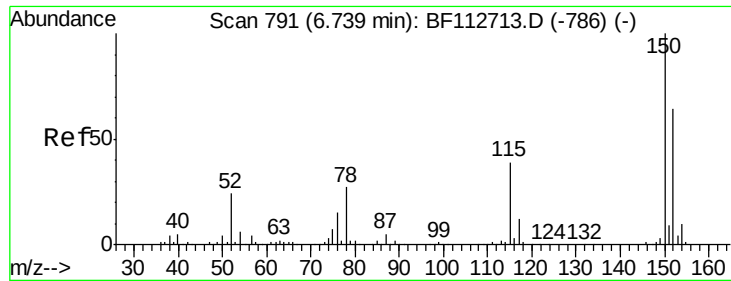
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA_F\DATA\BF022819\
Data File : BF112768.D
Acq On : 28 Feb 2019 18:35
Operator : JU/SJ
Sample : PB117468BL
Misc :
ALS Vial : 4 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
PB117468BL

Quant Time: Mar 01 04:50:00 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF022719.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Feb 27 16:08:50 2019
Response via : Initial Calibration



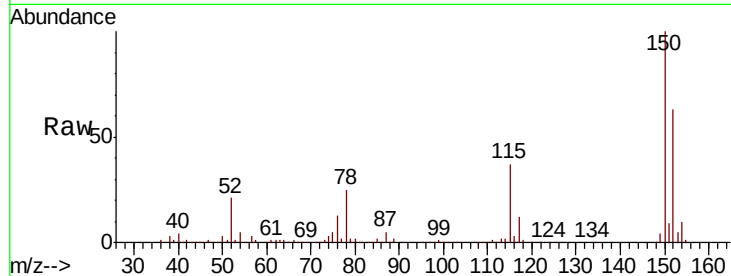


#1

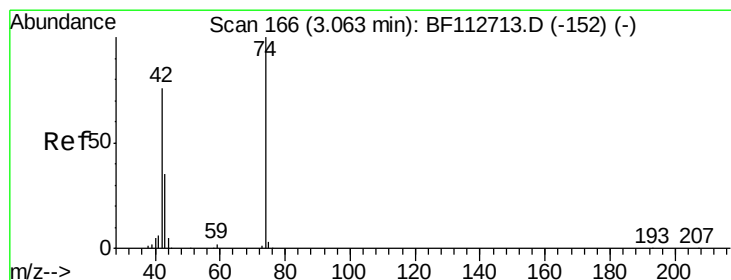
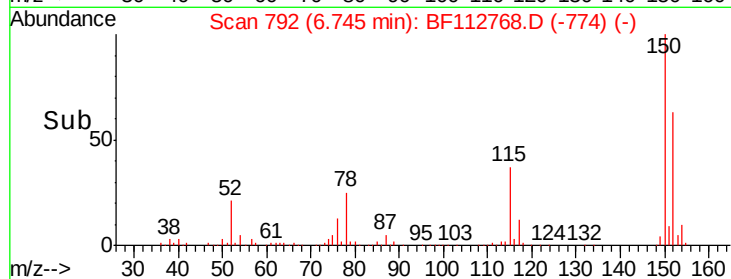
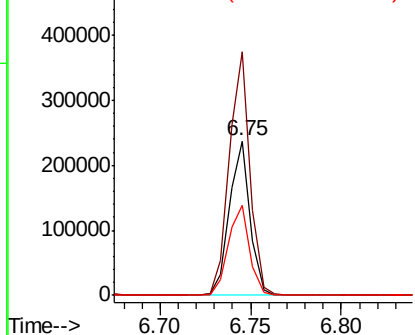
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.75 min Scan# 792
Delta R.T. 0.01 min
Lab File: BF112768.D
Acq: 28 Feb 2019 18:35

Instrument :
BNA_F
ClientSampleId :
PB117468BL

Tgt Ion: 152 Resp: 187996
Ion Ratio Lower Upper
152 100
150 157.9 124.2 186.2
115 58.2 48.2 72.4



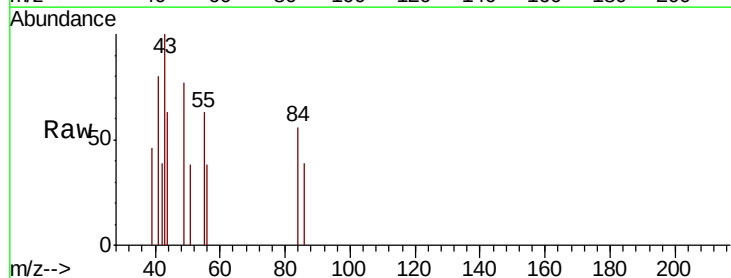
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



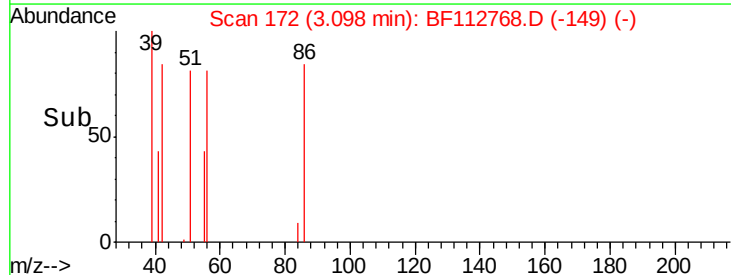
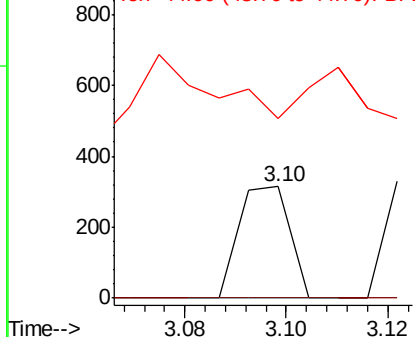
#4

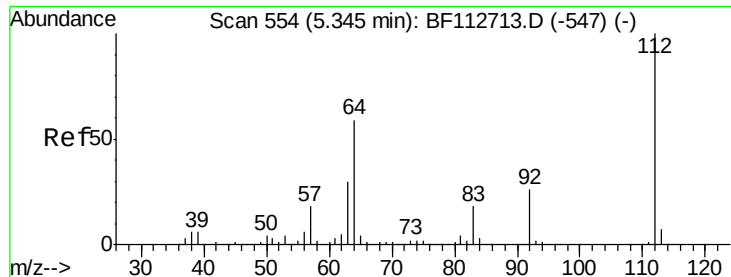
n-Nitrosodimethylamine
Concen: 0.031 ng
RT: 3.10 min Scan# 172
Delta R.T. 0.04 min
Lab File: BF112768.D
Acq: 28 Feb 2019 18:35

Tgt Ion: 42 Resp: 219
Ion Ratio Lower Upper
42 100
74 0.0 105.8 158.8#
44 161.0 6.2 9.2#



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: 102.093 ng

RT: 5.36 min Scan# 557

Delta R.T. 0.02 min

Lab File: BF112768.D

Acq: 28 Feb 2019 18:35

Instrument :

BNA_F

ClientSampleId :

PB117468BL

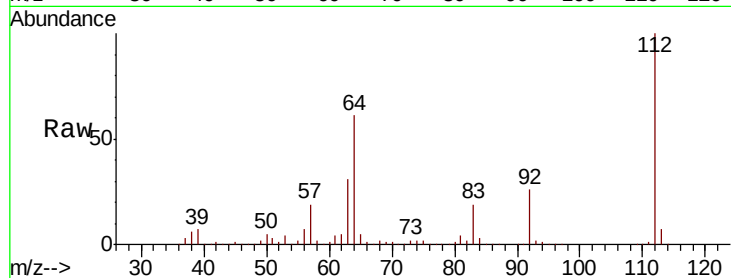
Tgt Ion: 112 Resp: 1233851

Ion Ratio Lower Upper

112 100

64 60.9 47.6 71.4

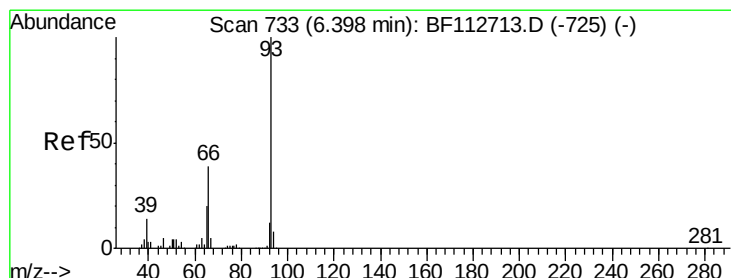
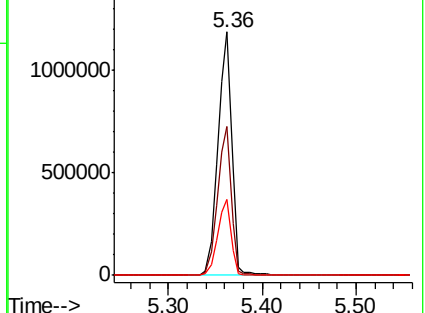
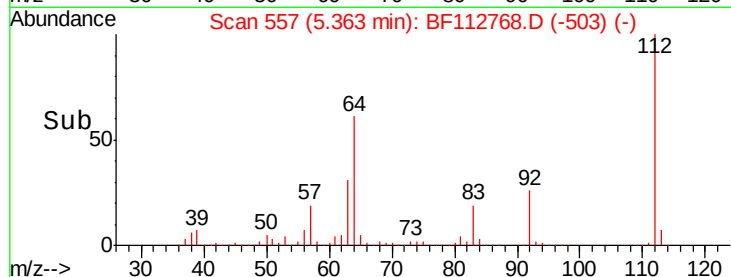
63 31.4 24.4 36.6



Abundance Ion 112.00 (111.70 to 112.70): BF1

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1



#6

Aniline

Concen: 0.083 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.12 min

Lab File: BF112768.D

Acq: 28 Feb 2019 18:35

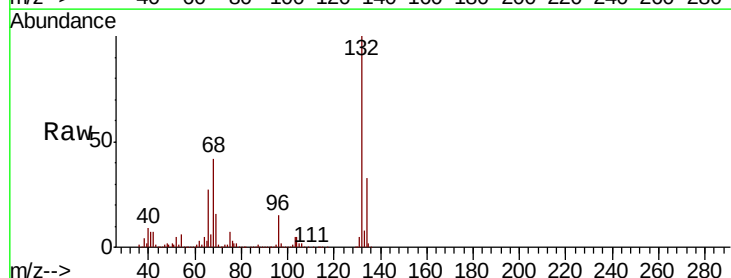
Tgt Ion: 93 Resp: 1730

Ion Ratio Lower Upper

93 100

66 19441.5 32.2 48.2#

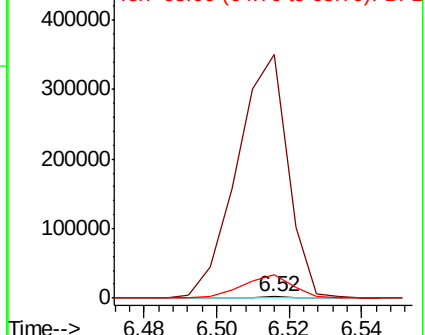
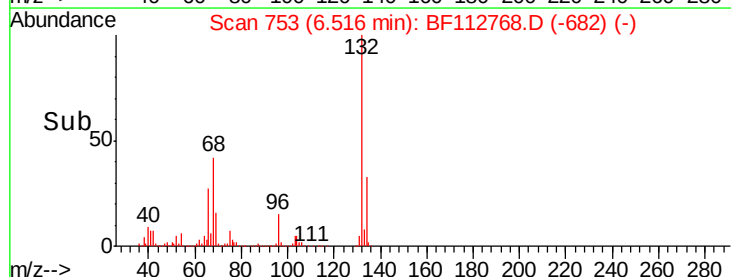
65 1897.0 16.2 24.4#

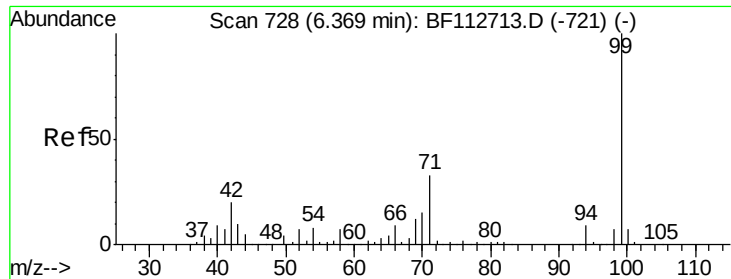


Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

Ion 65.00 (64.70 to 65.70): BF1





#7

Phenol-d6

Concen: 102.574 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.01 min

Lab File: BF112768.D

Acq: 28 Feb 2019 18:35

Instrument :

BNA_F

ClientSampleId :

PB117468BL

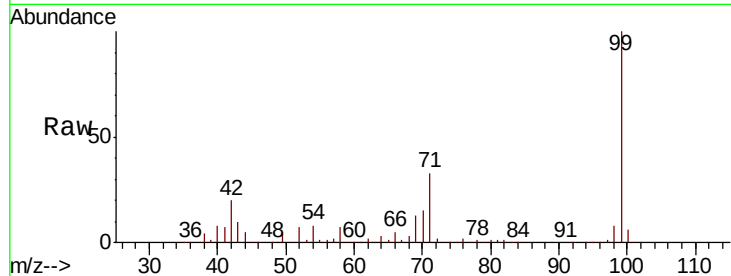
Tgt Ion: 99 Resp: 1557215

Ion Ratio Lower Upper

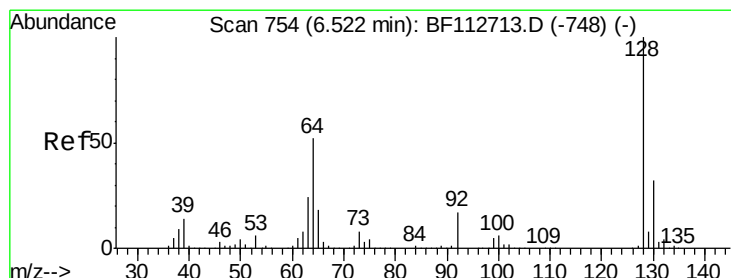
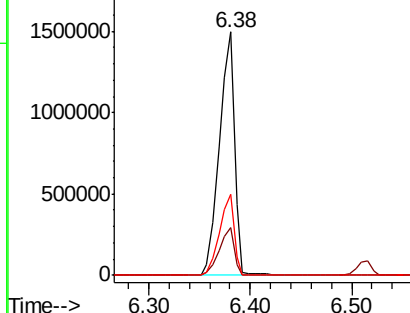
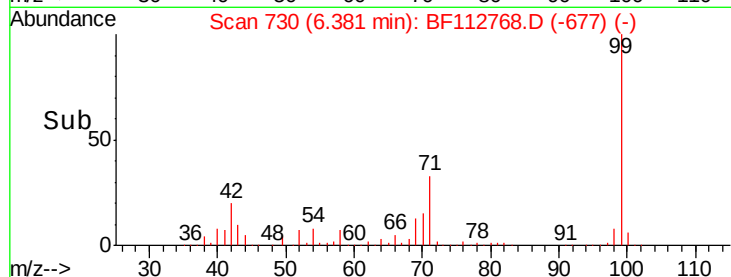
99 100

42 19.6 16.3 24.5

71 33.4 26.2 39.4



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: 0.027 ng

RT: 6.53 min Scan# 755

Delta R.T. 0.01 min

Lab File: BF112768.D

Acq: 28 Feb 2019 18:35

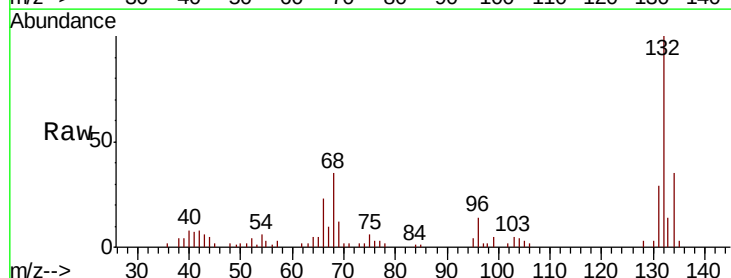
Tgt Ion: 128 Resp: 365

Ion Ratio Lower Upper

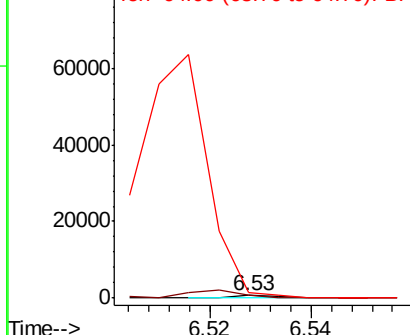
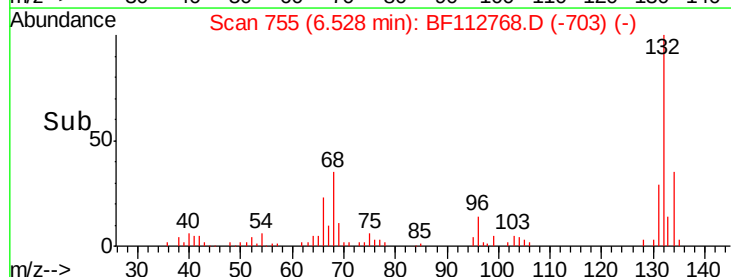
128 100

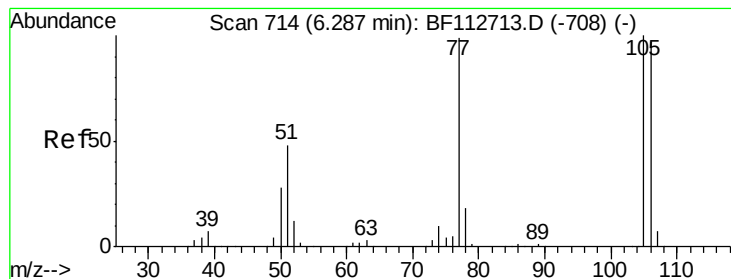
130 103.9 12.4 52.4#

64 186.6 32.2 72.2#



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: 0.203 ng

RT: 6.38 min Scan# 730

Delta R.T. 0.09 min

Lab File: BF112768.D

Acq: 28 Feb 2019 18:35

Instrument :

BNA_F

ClientSampleId :

PB117468BL

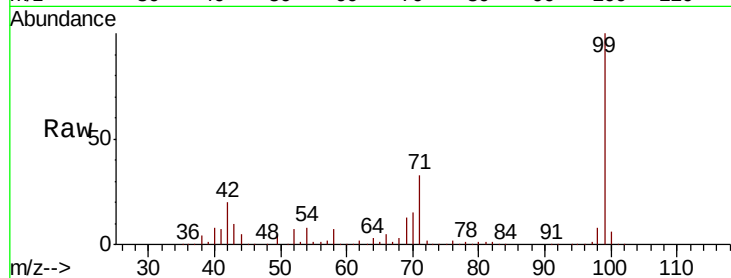
Tgt Ion: 77 Resp: 2221

Ion Ratio Lower Upper

77 100

105 0.0 81.4 121.4#

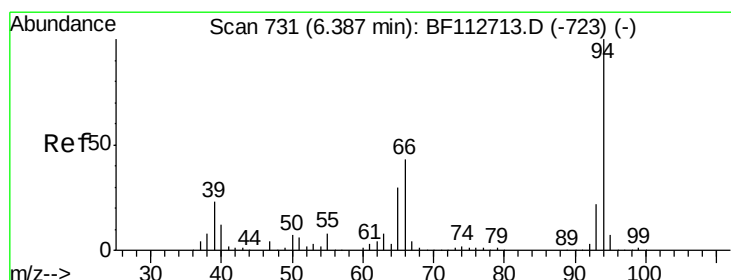
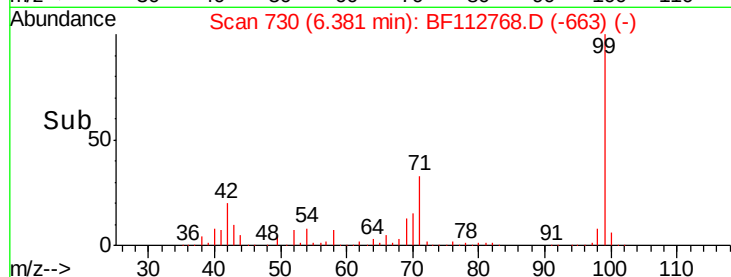
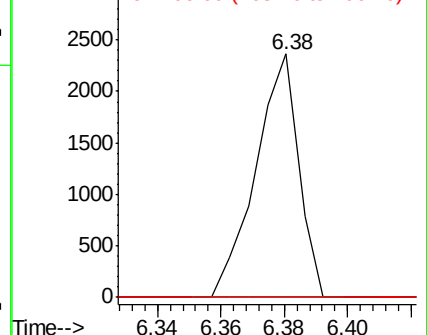
106 0.0 78.3 118.3#



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: 0.019 ng

RT: 6.37 min Scan# 729

Delta R.T. -0.01 min

Lab File: BF112768.D

Acq: 28 Feb 2019 18:35

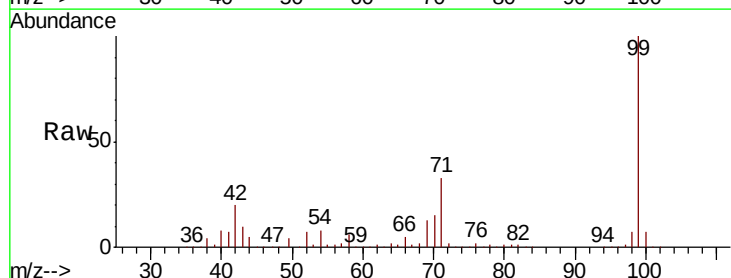
Tgt Ion: 94 Resp: 343

Ion Ratio Lower Upper

94 100

65 3141.0 10.5 50.5#

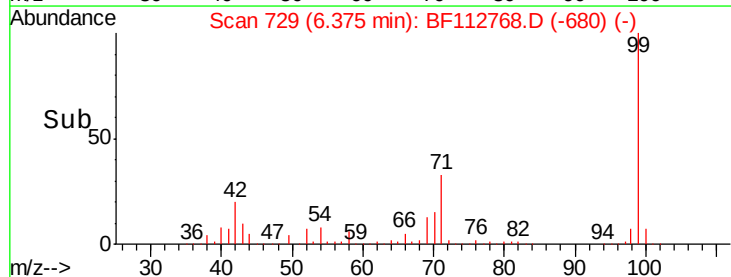
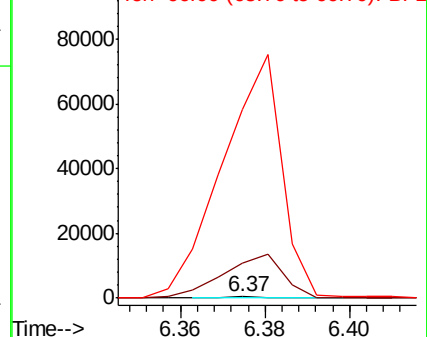
66 16706.0 22.6 62.6#

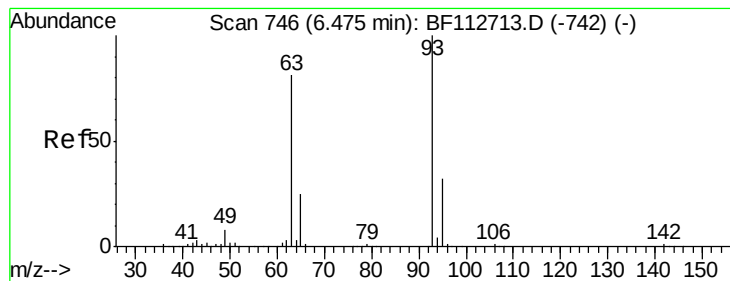


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#11

bis(2-Chloroethyl)ether

Concen: 0.127 ng

RT: 6.52 min Scan# 753

Delta R.T. 0.04 min

Lab File: BF112768.D

Acq: 28 Feb 2019 18:35

Instrument :

BNA_F

ClientSampleId :

PB117468BL

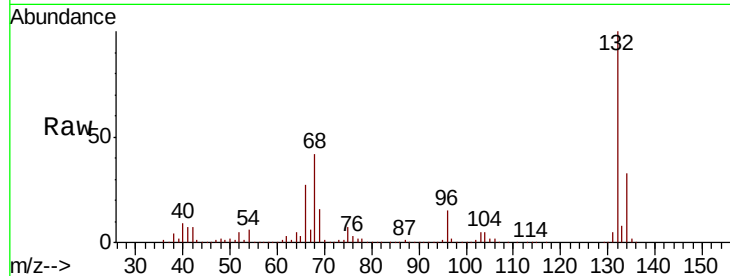
Tgt Ion: 93 Resp: 1730

Ion Ratio Lower Upper

93 100

63 756.0 60.5 100.5#

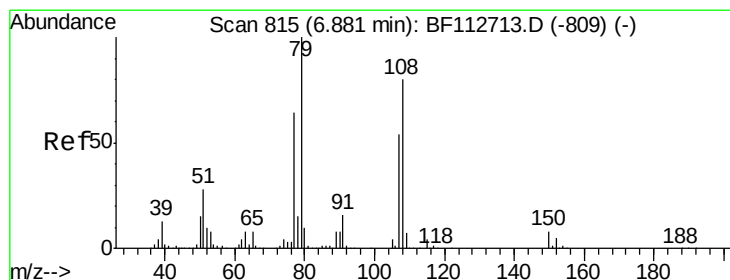
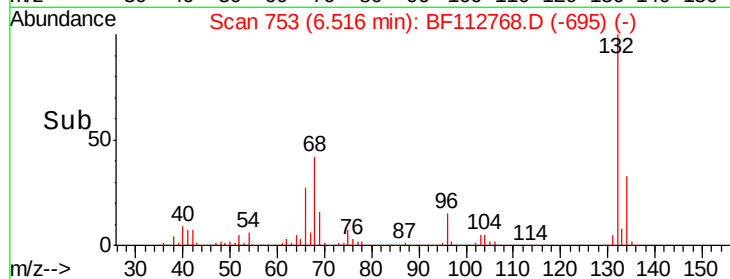
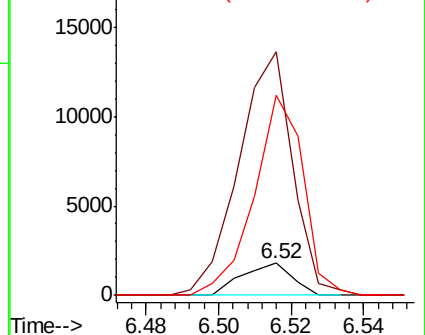
95 620.0 12.1 52.1#



Abundance Ion 93.00 (92.70 to 93.70): BF1

Ion 63.00 (62.70 to 63.70): BF1

Ion 95.00 (94.70 to 95.70): BF1



#15

Benzyl Alcohol

Concen: 1.406 ng

RT: 6.90 min Scan# 818

Delta R.T. 0.02 min

Lab File: BF112768.D

Acq: 28 Feb 2019 18:35

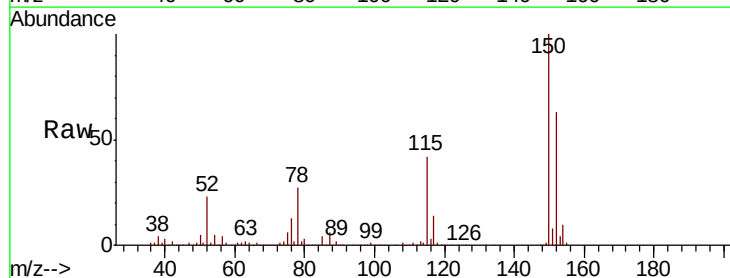
Tgt Ion: 79 Resp: 16282

Ion Ratio Lower Upper

79 100

108 28.8 64.2 96.4#

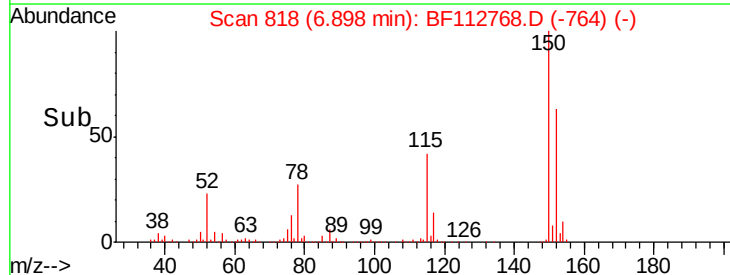
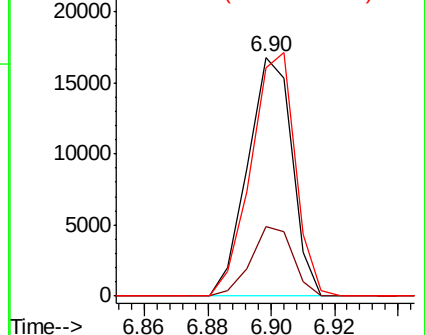
77 95.3 51.1 76.7#

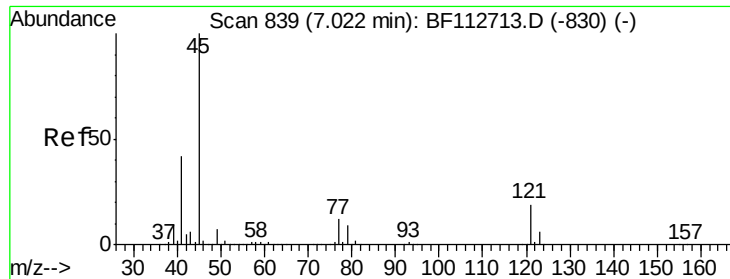


Abundance Ion 79.00 (78.70 to 79.70): BF1

Ion 108.00 (107.70 to 108.70): E

Ion 77.00 (76.70 to 77.70): BF1

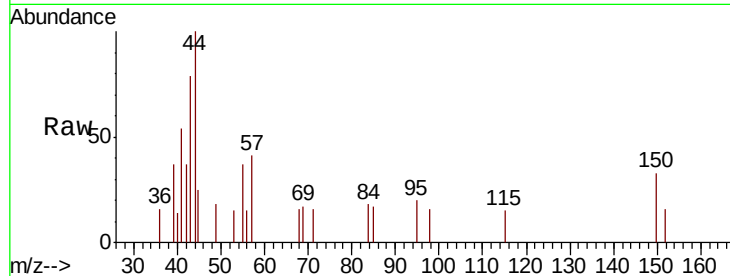




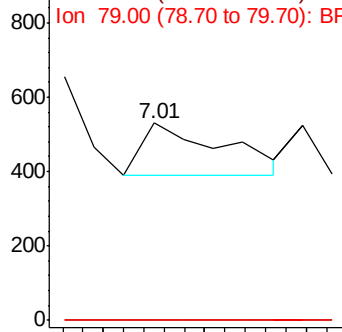
#16
2,2'-oxybis(1-Chloropropane)
Concen: 0.007 ng
RT: 7.01 min Scan# 837
Delta R.T. -0.01 min
Lab File: BF112768.D
Acq: 28 Feb 2019 18:35

Instrument :
BNA_F
ClientSampleId :
PB117468BL

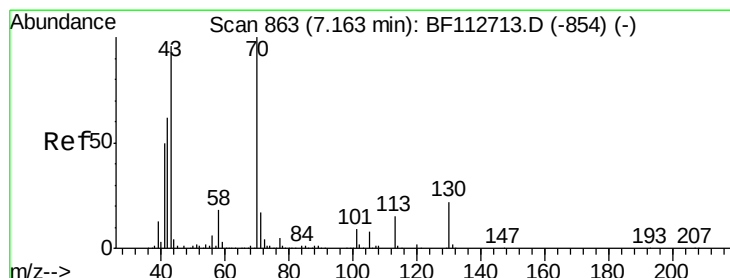
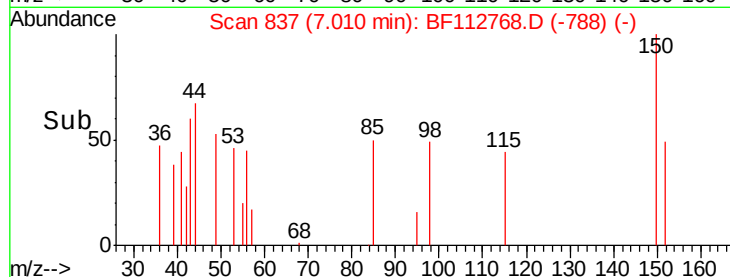
Tgt Ion:	45	Resp:	155
Ion	Ratio	Lower	Upper
45	100		
77	0.0	0.0	32.1
79	0.0	0.0	29.4



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

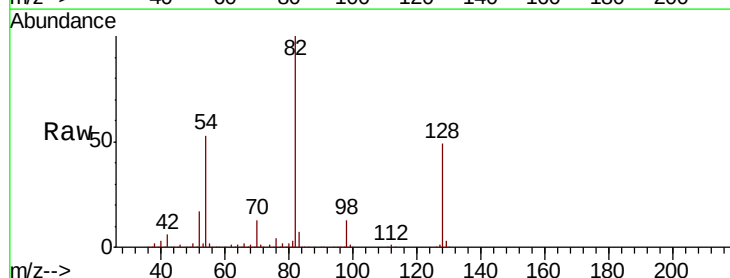


Time-->

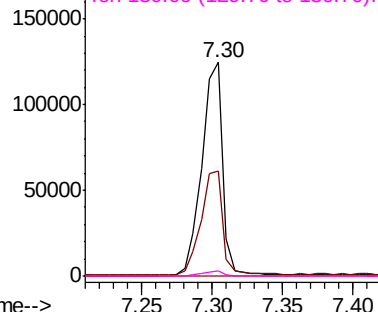


#19
n-Nitroso-di-n-propylamine
Concen: 13.422 ng
RT: 7.30 min Scan# 887
Delta R.T. 0.14 min
Lab File: BF112768.D
Acq: 28 Feb 2019 18:35

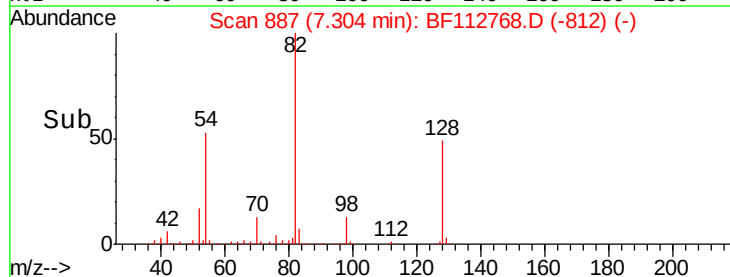
Tgt Ion:	70	Resp:	129048
Ion	Ratio	Lower	Upper
70	100		
42	49.1	49.9	74.9#
101	0.0	7.4	11.2#
130	2.3	17.4	26.2#

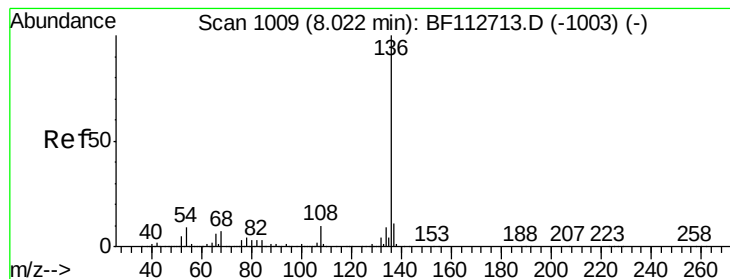


Abundance Ion 70.00 (69.70 to 70.70): BF1
Ion 42.00 (41.70 to 42.70): BF1
Ion 101.00 (100.70 to 101.70): B
Ion 130.00 (129.70 to 130.70): B



Time-->





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.02 min Scan# 1009

Delta R.T. -0.00 min

Lab File: BF112768.D

Acq: 28 Feb 2019 18:35

Instrument :

BNA_F

ClientSampleId :

PB117468BL

Tgt Ion: 136 Resp: 713991

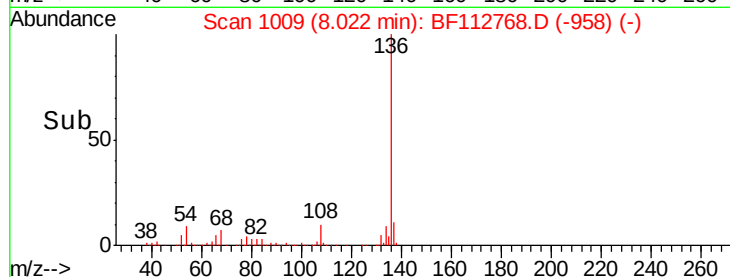
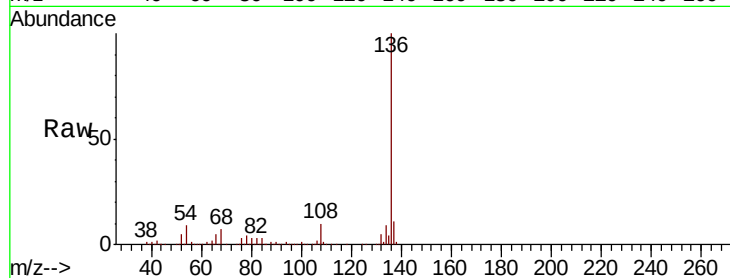
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.8 7.3 10.9

68 6.6 5.4 8.2

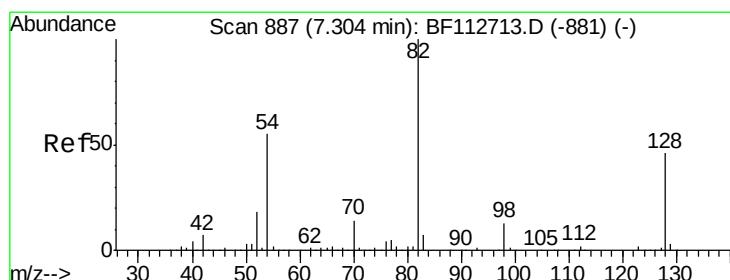
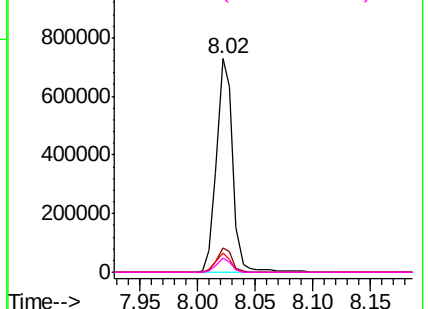


Abundance Ion 136.00 (135.70 to 136.70): E

Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF1

Ion 68.00 (67.70 to 68.70): BF1



#23

Nitrobenzene-d5

Concen: 81.458 ng

RT: 7.30 min Scan# 887

Delta R.T. -0.00 min

Lab File: BF112768.D

Acq: 28 Feb 2019 18:35

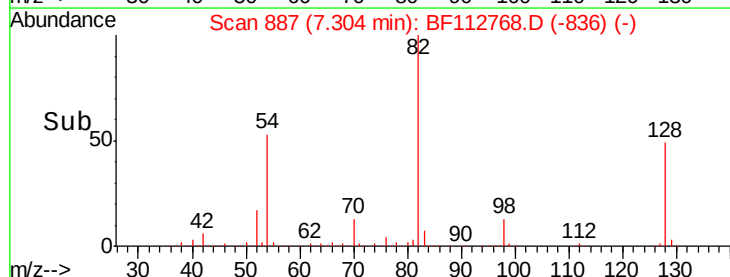
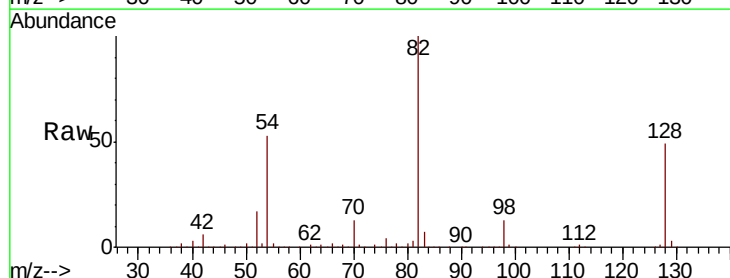
Tgt Ion: 82 Resp: 971959

Ion Ratio Lower Upper

82 100

128 48.6 36.3 54.5

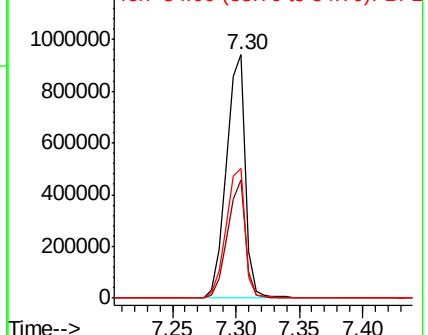
54 53.4 43.7 65.5

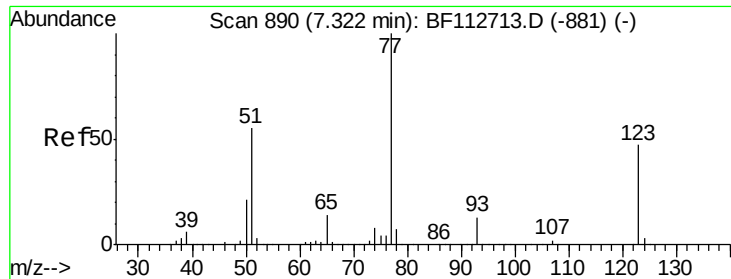


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1

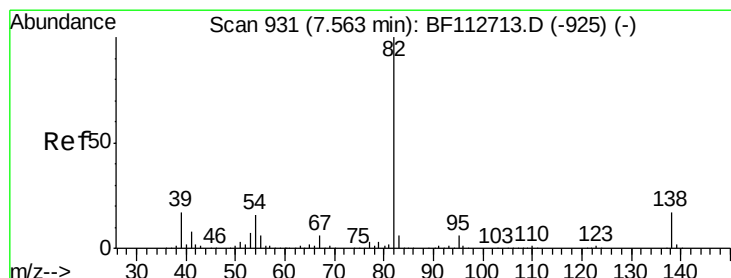
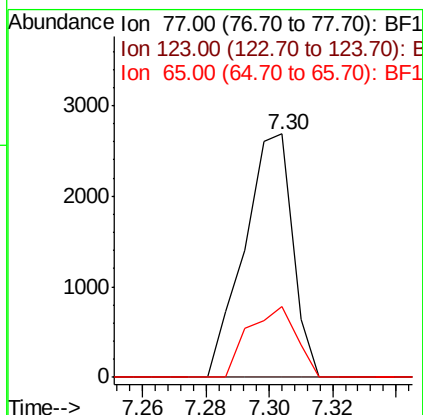
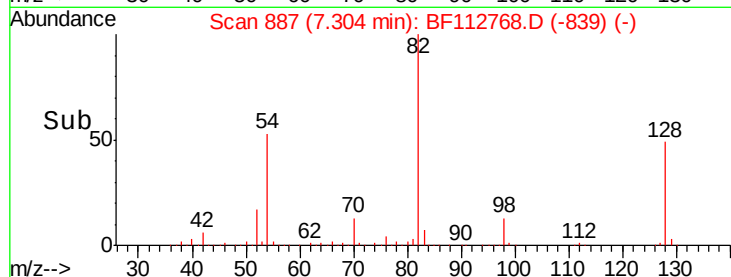
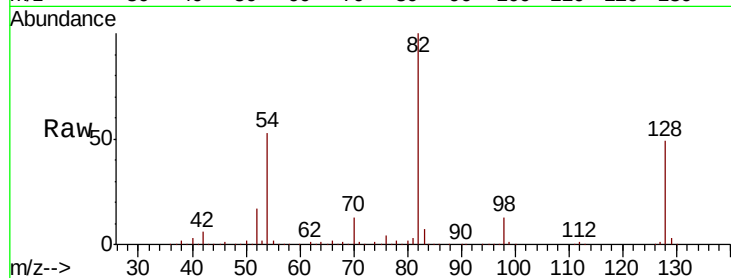




#24
Nitrobenzene
Concen: 0.214 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.02 min
Lab File: BF112768.D
Acq: 28 Feb 2019 18:35

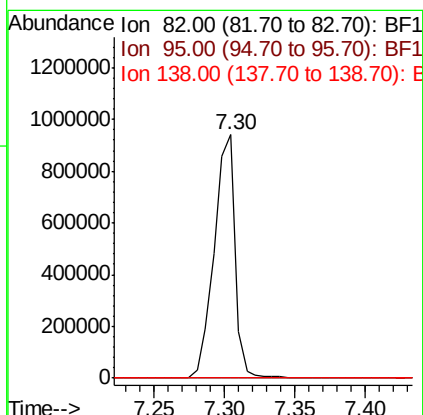
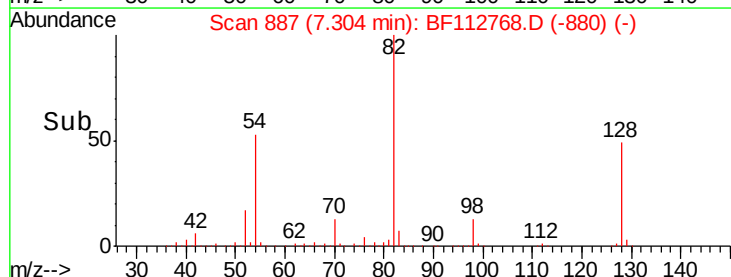
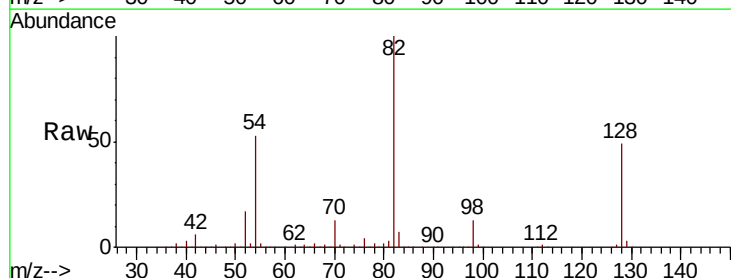
Instrument :
BNA_F
ClientSampleId :
PB117468BL

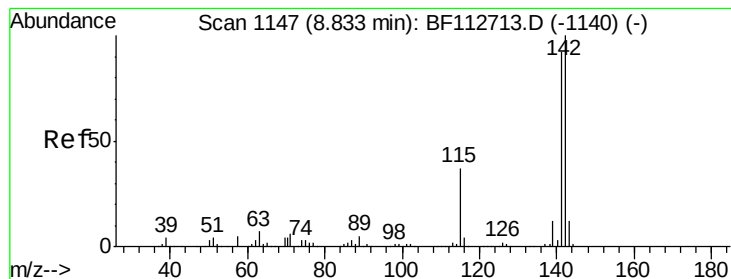
Tgt Ion: 77 Resp: 2841
Ion Ratio Lower Upper
77 100
123 0.0 37.8 56.6#
65 29.3 11.1 16.7#



#25
Isophorone
Concen: 37.355 ng
RT: 7.30 min Scan# 887
Delta R.T. -0.26 min
Lab File: BF112768.D
Acq: 28 Feb 2019 18:35

Tgt Ion: 82 Resp: 960235
Ion Ratio Lower Upper
82 100
95 0.1 5.2 7.8#
138 0.0 13.8 20.8#





#38

1-Methylnaphthalene

Concen: 0.035 ng

RT: 9.10 min Scan# 1193

Delta R.T. 0.27 min

Lab File: BF112768.D

Acq: 28 Feb 2019 18:35

Instrument :

BNA_F

ClientSampleId :

PB117468BL

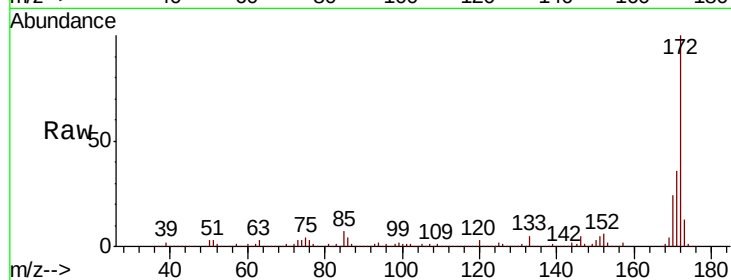
Tgt Ion:142 Resp: 767

Ion Ratio Lower Upper

142 100

141 49.8 73.7 110.5#

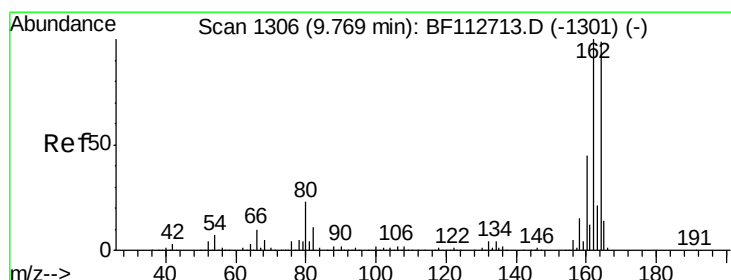
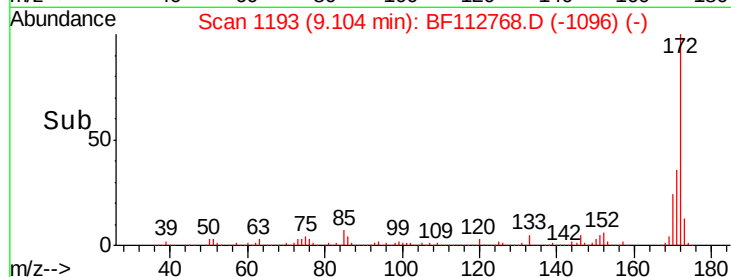
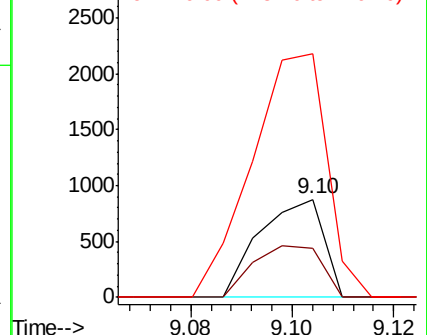
116 248.8 3.1 4.7#



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: 9.77 min Scan# 1307

Delta R.T. 0.01 min

Lab File: BF112768.D

Acq: 28 Feb 2019 18:35

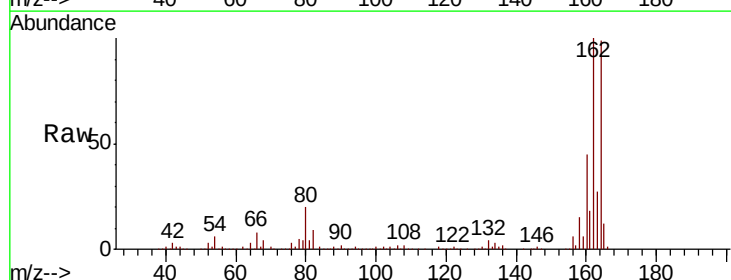
Tgt Ion:164 Resp: 333833

Ion Ratio Lower Upper

164 100

162 101.1 80.6 120.8

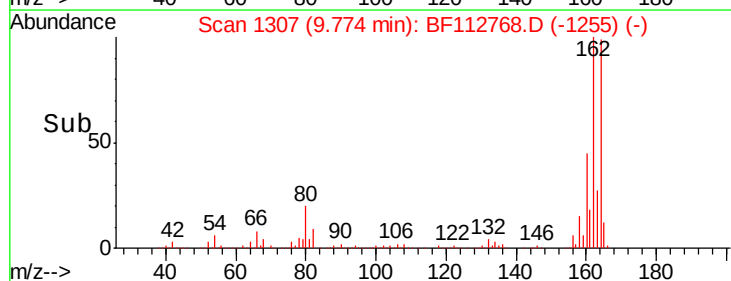
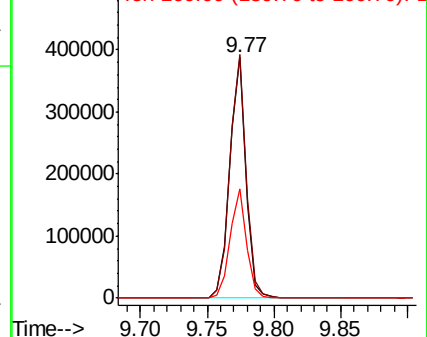
160 45.4 36.0 54.0

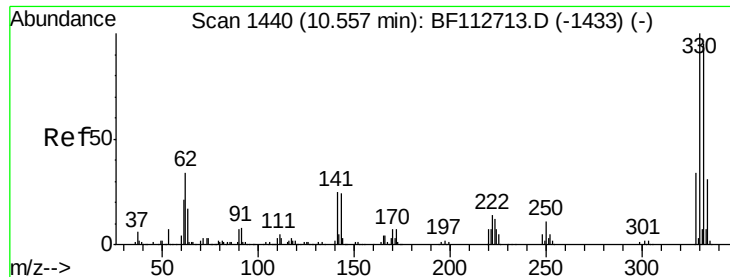


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

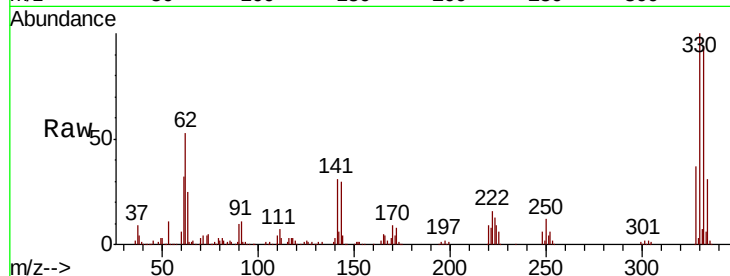




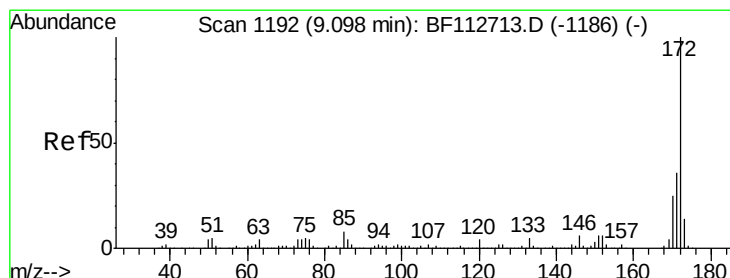
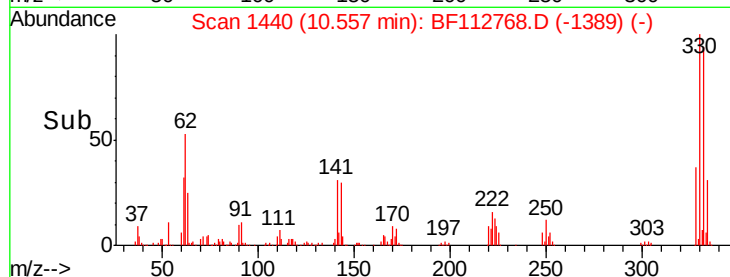
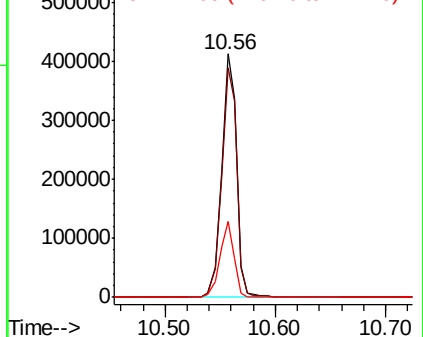
#42
 2,4,6-Tribromophenol
 Concen: 109.141 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.00 min
 Lab File: BF112768.D
 Acq: 28 Feb 2019 18:35

Instrument :
 BNA_F
 ClientSampleId :
 PB117468BL

Tgt Ion:330 Resp: 386802
 Ion Ratio Lower Upper
 330 100
 332 96.3 76.2 114.4
 141 29.7 27.0 40.6

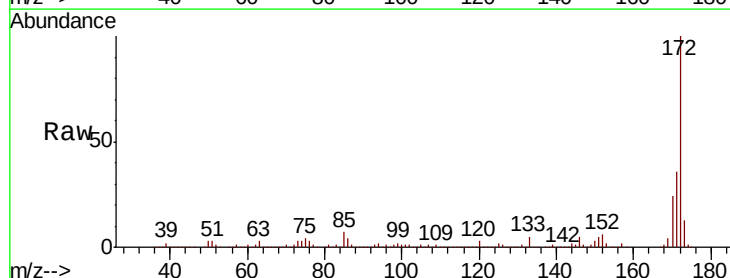


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

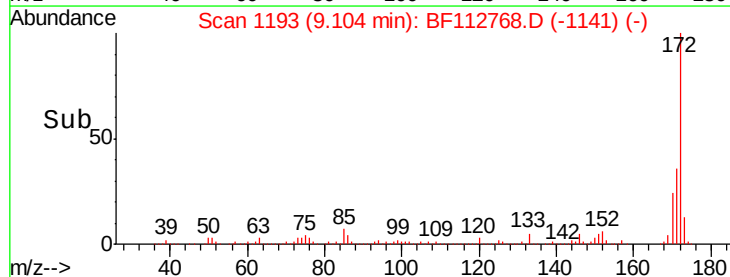
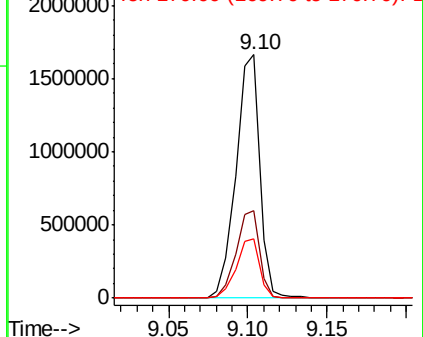


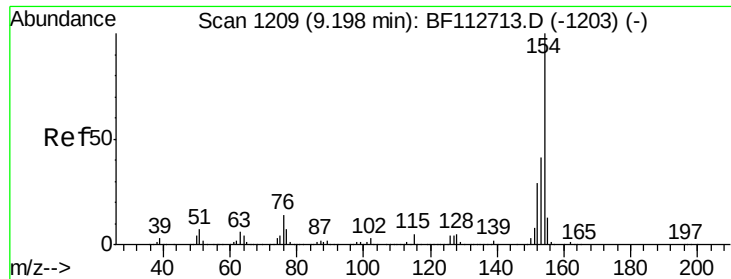
#45
 2-Fluorobiphenyl
 Concen: 89.664 ng
 RT: 9.10 min Scan# 1193
 Delta R.T. 0.01 min
 Lab File: BF112768.D
 Acq: 28 Feb 2019 18:35

Tgt Ion:172 Resp: 1730122
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.0 43.4
 170 24.2 20.0 30.0



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

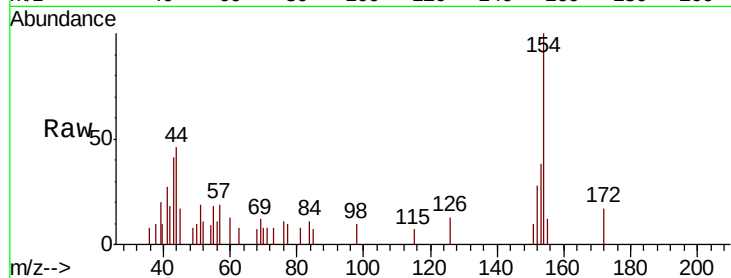




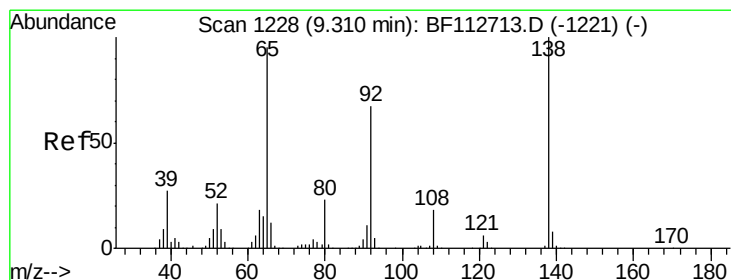
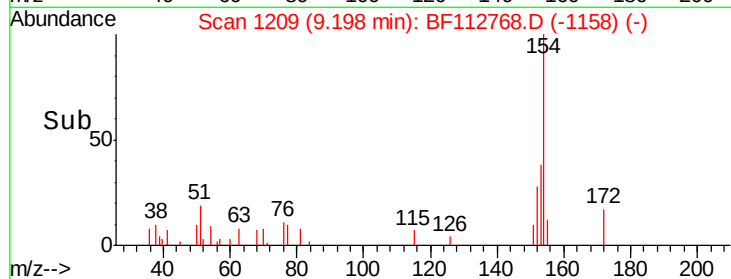
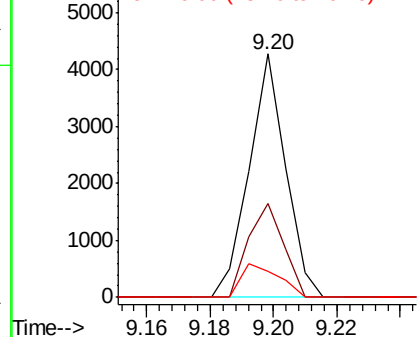
#46
 1,1'-Biphenyl
 Concen: 0.126 ng
 RT: 9.20 min Scan# 1209
 Delta R.T. -0.00 min
 Lab File: BF112768.D
 Acq: 28 Feb 2019 18:35

Instrument :
 BNA_F
 ClientSampled :
 PB117468BL

Tgt Ion: 154 Resp: 3421
 Ion Ratio Lower Upper
 154 100
 153 38.5 20.8 60.8
 76 10.8 0.0 33.8

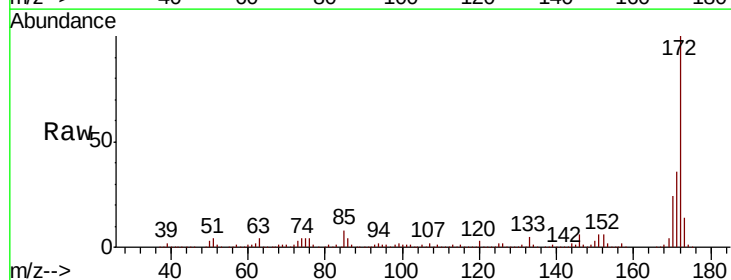


Abundance Ion 154.00 (153.70 to 154.70): E
 Ion 153.00 (152.70 to 153.70): E
 Ion 76.00 (75.70 to 76.70): BF1

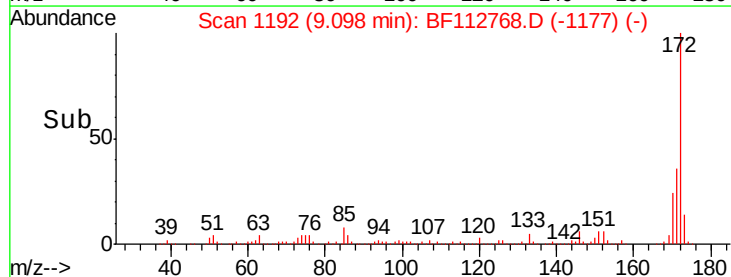
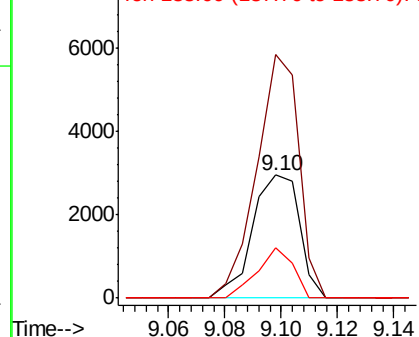


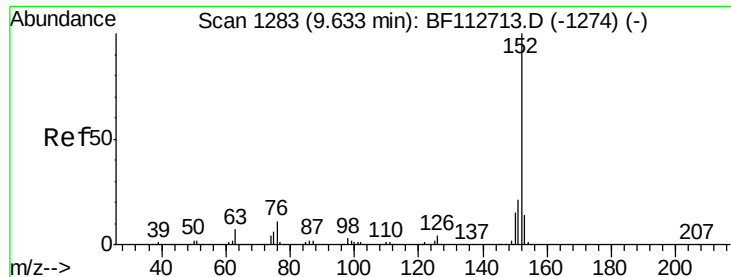
#48
 2-Nitroaniline
 Concen: 0.528 ng
 RT: 9.10 min Scan# 1192
 Delta R.T. -0.21 min
 Lab File: BF112768.D
 Acq: 28 Feb 2019 18:35

Tgt Ion: 65 Resp: 3415
 Ion Ratio Lower Upper
 65 100
 92 198.5 56.4 84.6#
 138 40.6 84.6 126.8#



Abundance Ion 65.00 (64.70 to 65.70): BF1
 Ion 92.00 (91.70 to 92.70): BF1
 Ion 138.00 (137.70 to 138.70): E





#49

Acenaphthylene

Concen: 0.003 ng

RT: 9.65 min Scan# 1285

Delta R.T. 0.01 min

Lab File: BF112768.D

Acq: 28 Feb 2019 18:35

Instrument :

BNA_F

ClientSampleId :

PB117468BL

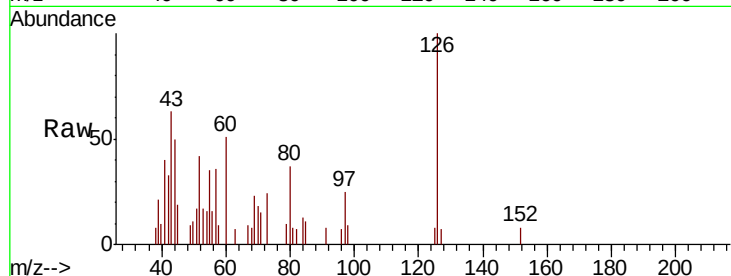
Tgt Ion:152 Resp: 123

Ion Ratio Lower Upper

152 100

151 0.0 16.9 25.3#

153 0.0 11.0 16.6#



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

9.65

400

300

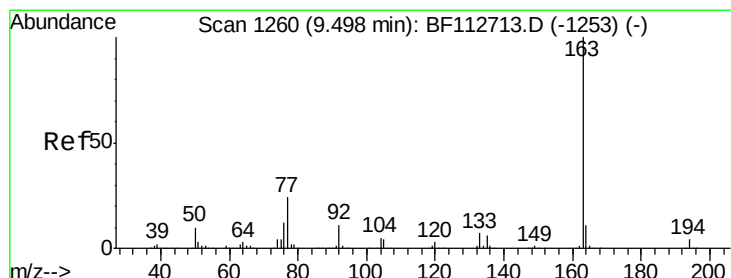
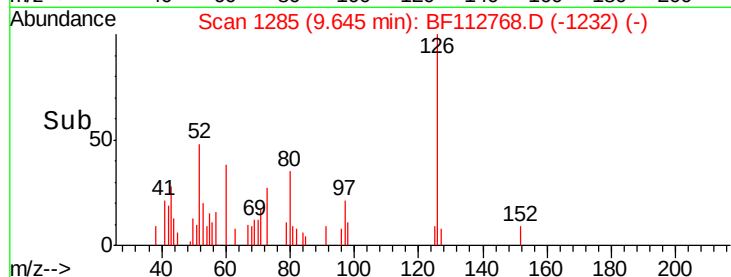
200

100

0

9.63 9.64 9.65 9.66

Time-->



#50

Dimethylphthalate

Concen: 3.646 ng

RT: 9.77 min Scan# 1307

Delta R.T. 0.28 min

Lab File: BF112768.D

Acq: 28 Feb 2019 18:35

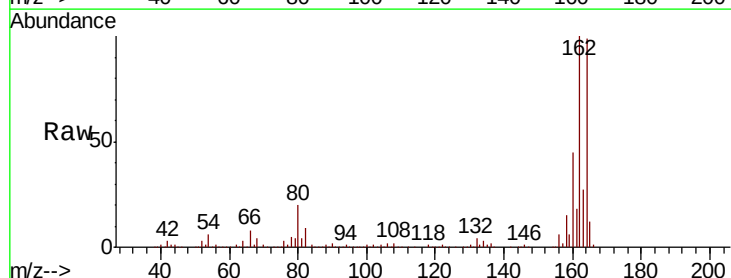
Tgt Ion:163 Resp: 89739

Ion Ratio Lower Upper

163 100

194 0.0 3.0 4.4#

164 367.7 8.4 12.6#



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

9.77

500000

400000

300000

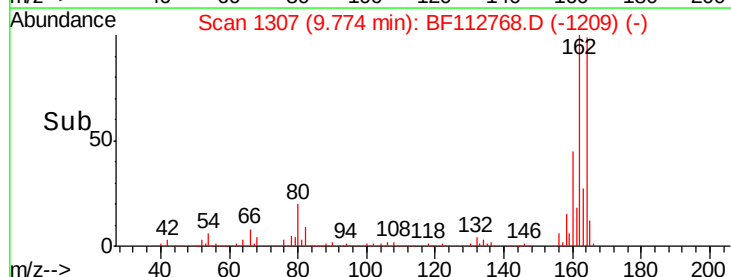
200000

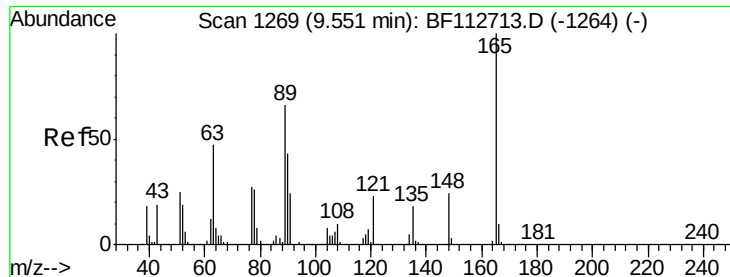
100000

0

9.74 9.76 9.78

Time-->

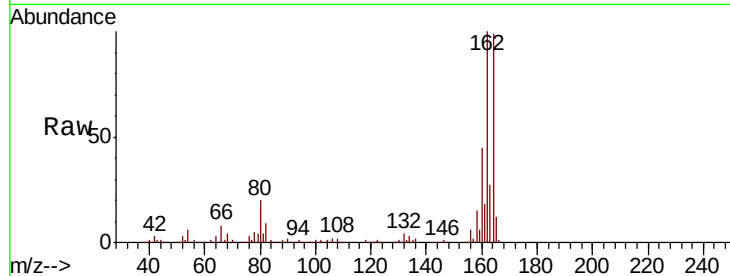




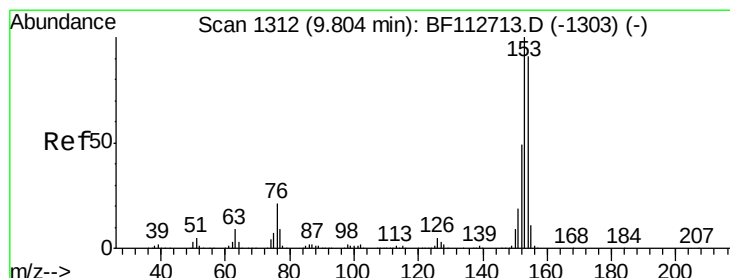
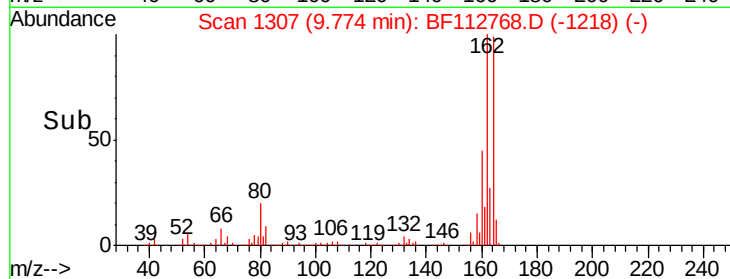
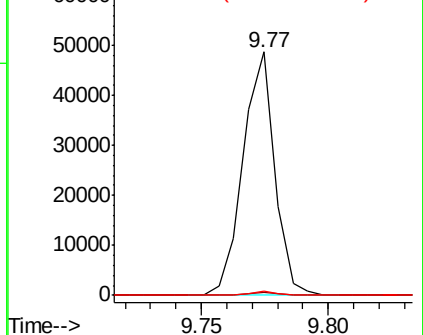
#51
2,6-Dinitrotoluene
Concen: 8.289 ng
RT: 9.77 min Scan# 1307
Delta R.T. 0.22 min
Lab File: BF112768.D
Acq: 28 Feb 2019 18:35

Instrument :
BNA_F
ClientSampleId :
PB117468BL

Tgt Ion:165 Resp: 42490
Ion Ratio Lower Upper
165 100
63 1.4 54.1 81.1#
89 1.6 52.8 79.2#

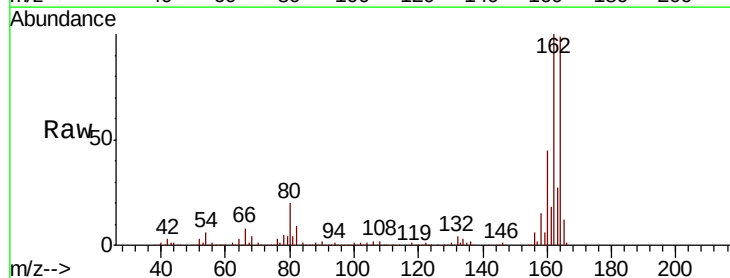


Abundance Ion 165.00 (164.70 to 165.70): E
Ion 63.00 (62.70 to 63.70): BF1
Ion 89.00 (88.70 to 89.70): BF1

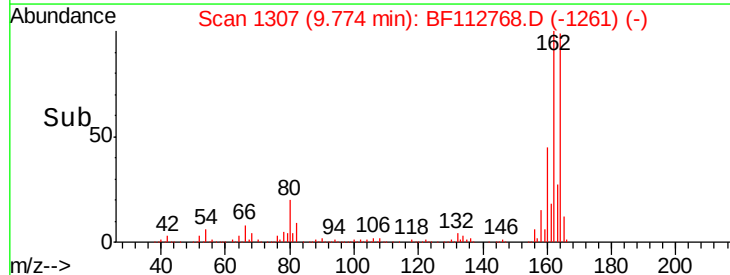
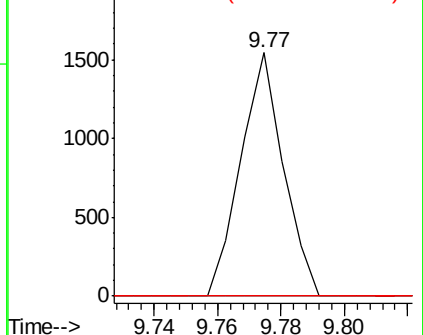


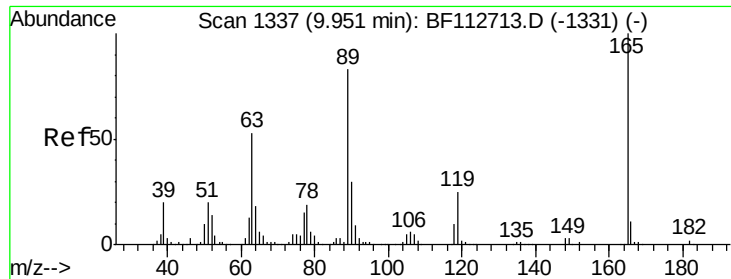
#52
Acenaphthene
Concen: 0.068 ng
RT: 9.77 min Scan# 1307
Delta R.T. -0.03 min
Lab File: BF112768.D
Acq: 28 Feb 2019 18:35

Tgt Ion:154 Resp: 1444
Ion Ratio Lower Upper
154 100
153 0.0 87.8 131.8#
152 0.0 43.0 64.6#



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

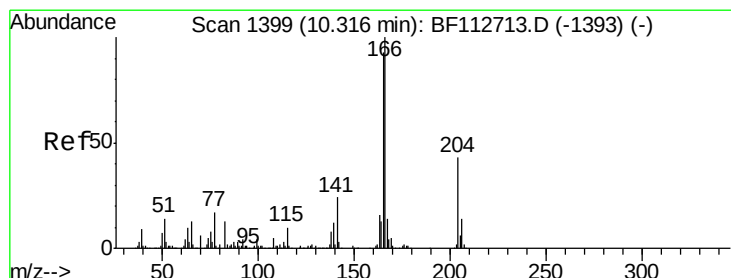
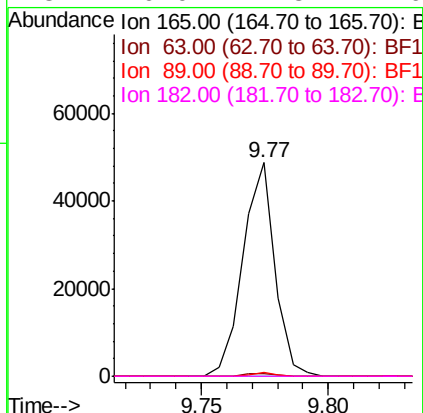
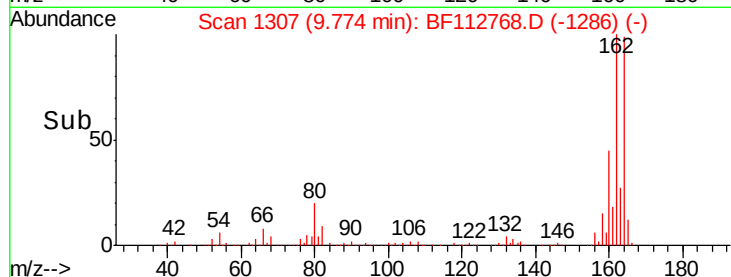
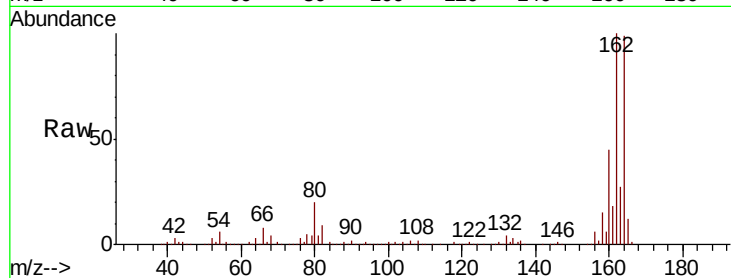




#57
 2,4-Dinitrotoluene
 Concen: 6.669 ng
 RT: 9.77 min Scan# 1307
 Delta R.T. -0.18 min
 Lab File: BF112768.D
 Acq: 28 Feb 2019 18:35

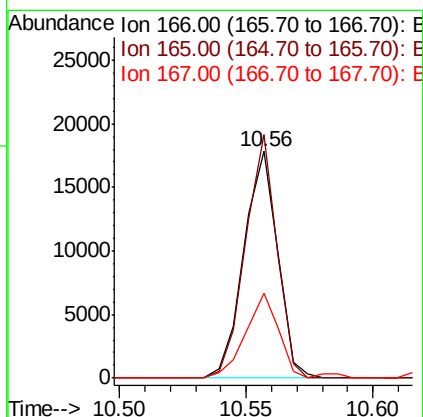
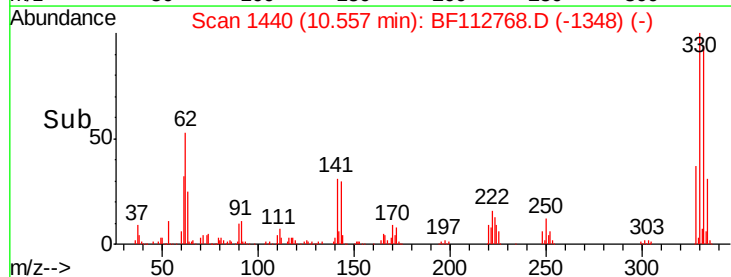
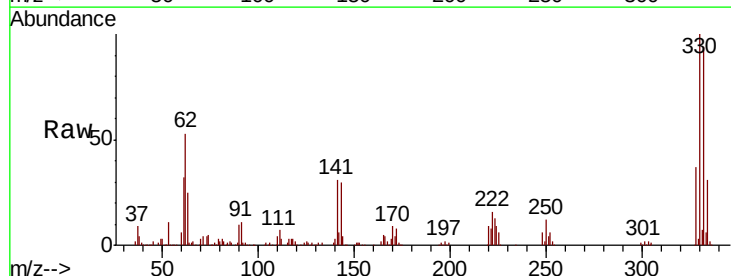
Instrument :
 BNA_F
 ClientSampleId :
 PB117468BL

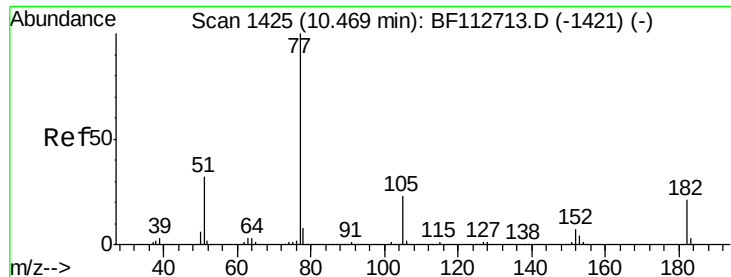
Tgt Ion:	165	Resp:	42490
Ion	Ratio	Lower	Upper
165	100		
63	1.4	42.2	63.2#
89	1.6	66.2	99.4#
182	0.0	1.8	2.6#



#58
 Fluorene
 Concen: 0.761 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.24 min
 Lab File: BF112768.D
 Acq: 28 Feb 2019 18:35

Tgt Ion:	166	Resp:	16574
Ion	Ratio	Lower	Upper
166	100		
165	107.5	74.7	112.1
167	37.7	11.0	16.6#





#63

Azobenzene

Concen: 0.014 ng

RT: 10.48 min Scan# 1427

Delta R.T. 0.01 min

Lab File: BF112768.D

Acq: 28 Feb 2019 18:35

Instrument :

BNA_F

ClientSampleId :

PB117468BL

Tgt Ion: 77 Resp: 367

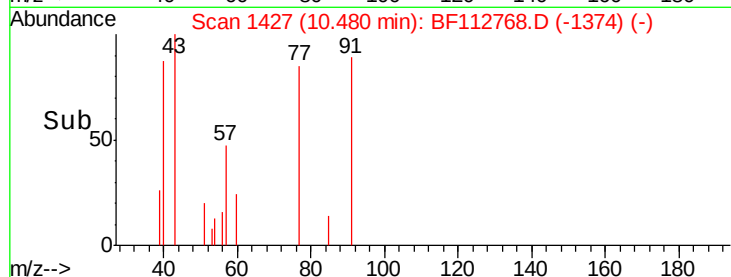
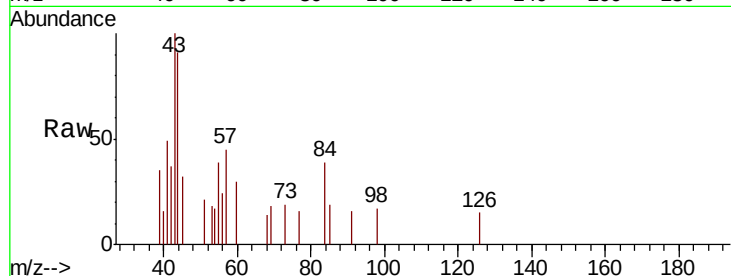
Ion Ratio Lower Upper

77 100

182 0.0 1.4 41.4#

105 0.0 2.6 42.6#

51 131.1 12.0 52.0#

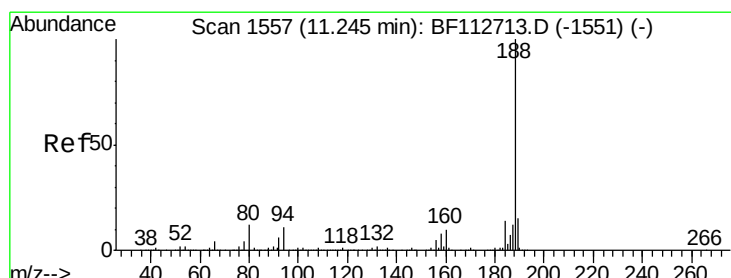
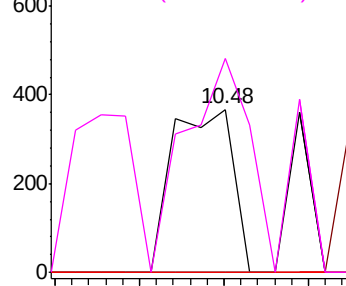


Abundance Ion 77.00 (76.70 to 77.70): BF1

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: 11.25 min Scan# 1558

Delta R.T. 0.01 min

Lab File: BF112768.D

Acq: 28 Feb 2019 18:35

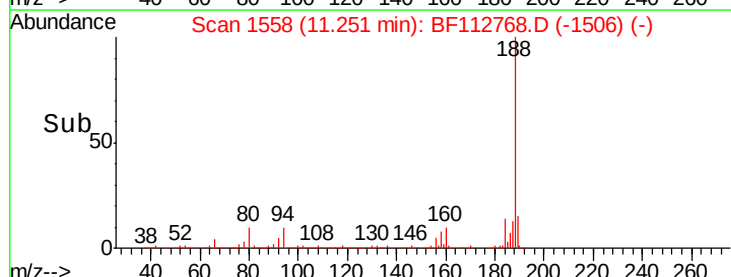
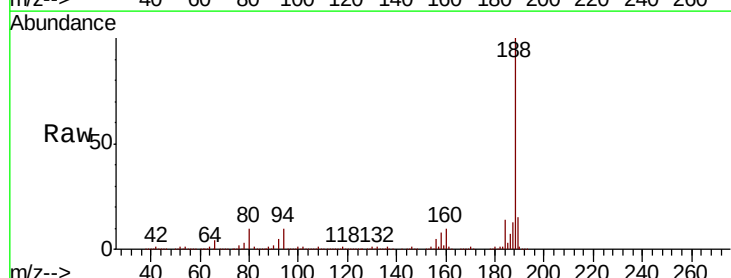
Tgt Ion: 188 Resp: 606236

Ion Ratio Lower Upper

188 100

94 10.3 9.0 13.4

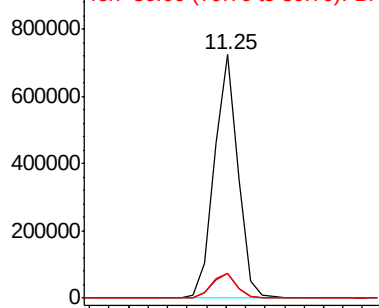
80 10.1 9.2 13.8

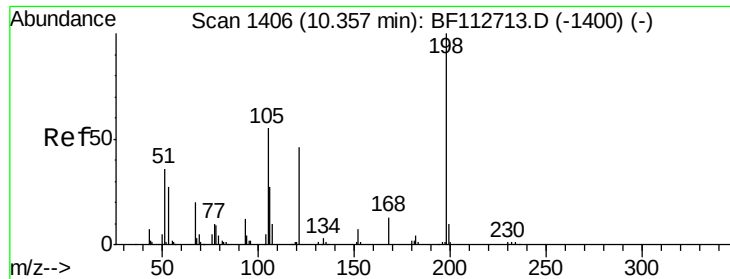


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

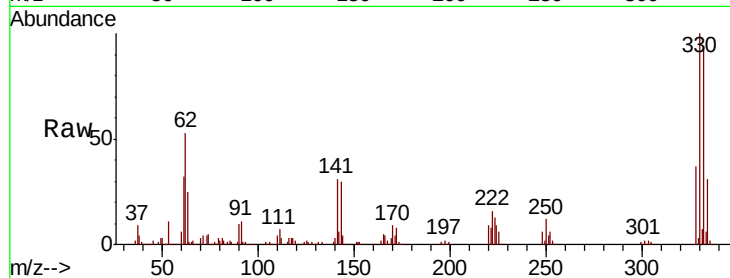




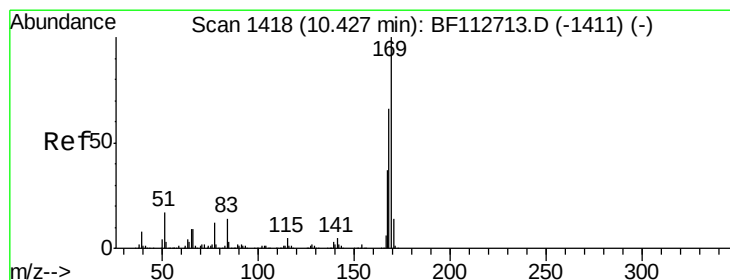
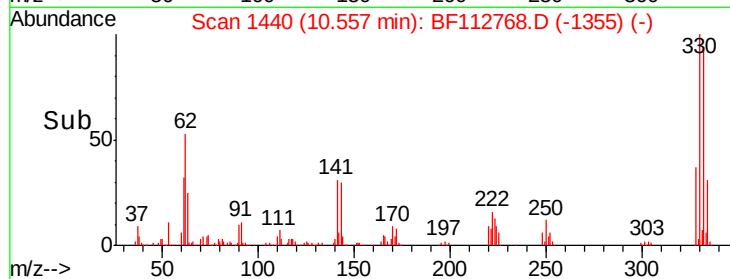
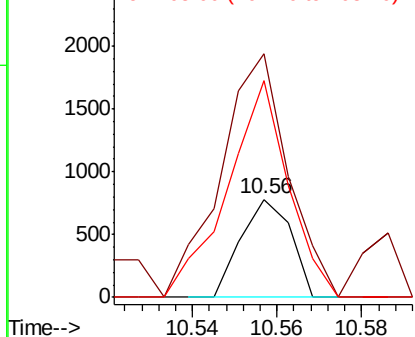
#65
 4,6-Dinitro-2-methylphenol
 Concen: 4.845 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.20 min
 Lab File: BF112768.D
 Acq: 28 Feb 2019 18:35

Instrument :
 BNA_F
 ClientSampleId :
 PB117468BL

Tgt Ion:198 Resp: 641
 Ion Ratio Lower Upper
 198 100
 51 248.4 43.8 83.8#
 105 221.5 36.5 76.5#

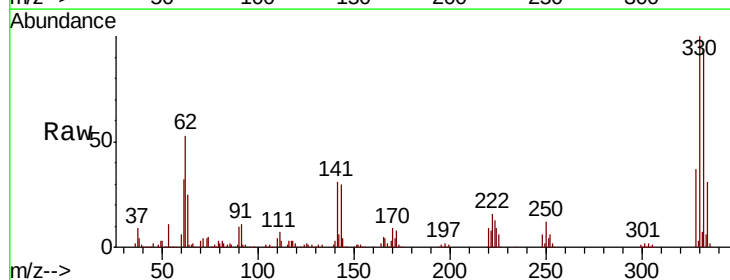


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

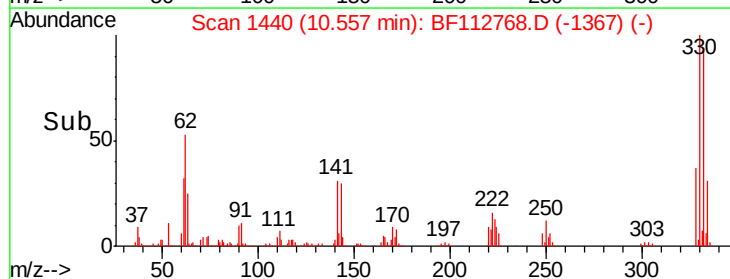
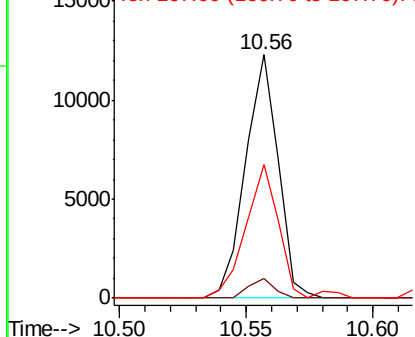


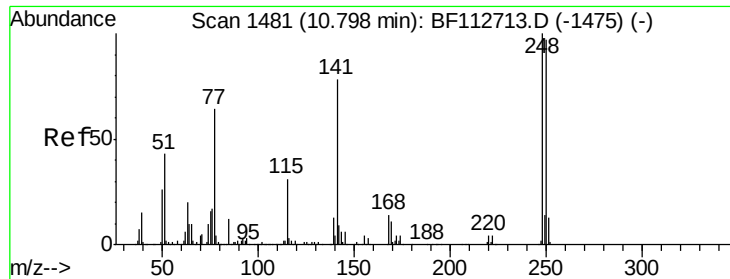
#66
 n-Nitrosodiphenylamine
 Concen: 0.568 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. 0.13 min
 Lab File: BF112768.D
 Acq: 28 Feb 2019 18:35

Tgt Ion:169 Resp: 11051
 Ion Ratio Lower Upper
 169 100
 168 8.2 53.0 79.6#
 167 54.7 29.3 43.9#



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

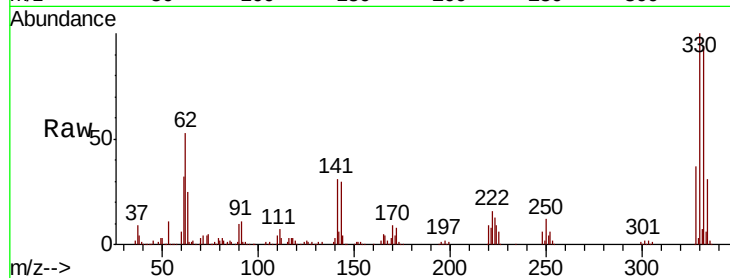




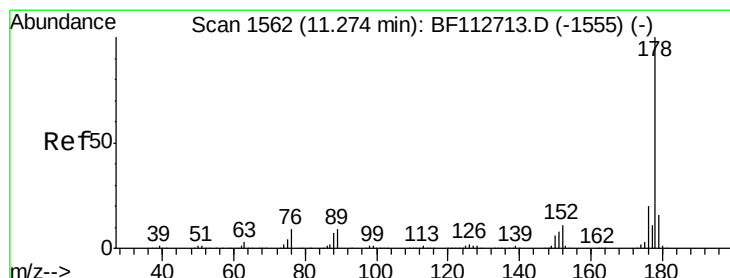
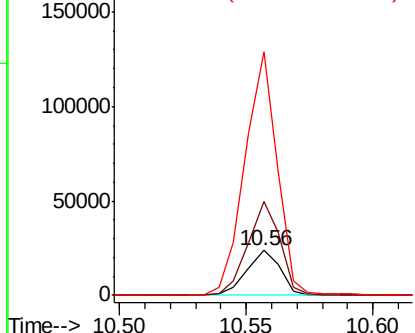
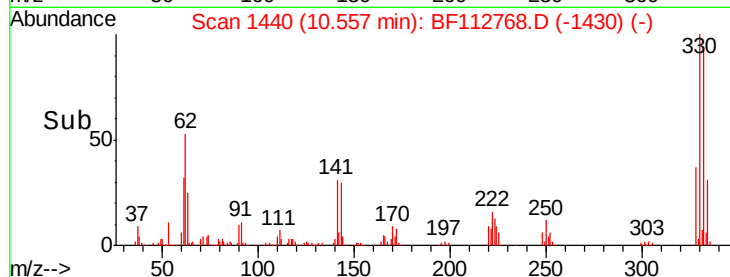
#67
 4-Bromophenyl-phenylether
 Concen: 3.467 ng
 RT: 10.56 min Scan# 1440
 Delta R.T. -0.24 min
 Lab File: BF112768.D
 Acq: 28 Feb 2019 18:35

Instrument :
 BNA_F
 ClientSampleId :
 PB117468BL

Tgt Ion:248 Resp: 22138
 Ion Ratio Lower Upper
 248 100
 250 209.2 77.5 116.3#
 141 541.2 62.4 93.6#

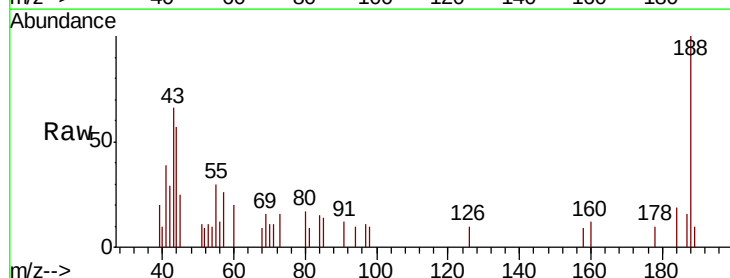


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

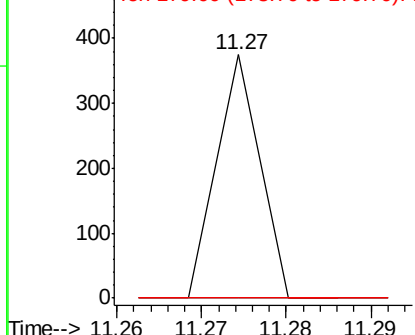
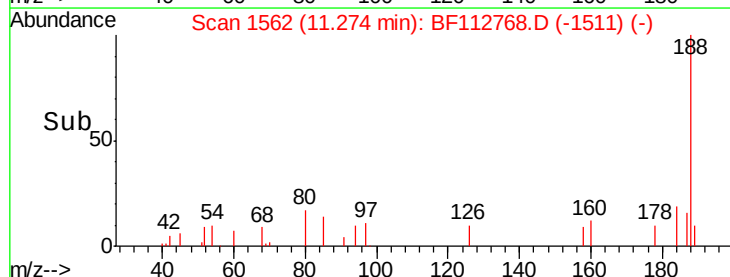


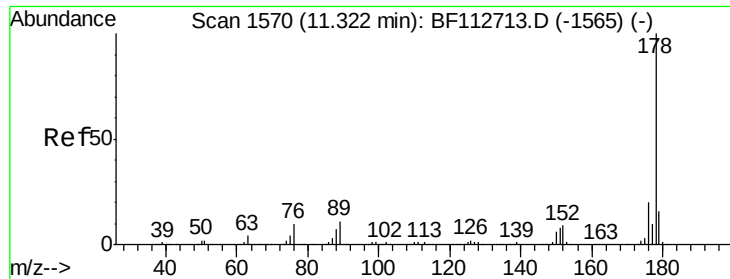
#71
 Phenanthrene
 Concen: 0.004 ng
 RT: 11.27 min Scan# 1562
 Delta R.T. -0.00 min
 Lab File: BF112768.D
 Acq: 28 Feb 2019 18:35

Tgt Ion:178 Resp: 132
 Ion Ratio Lower Upper
 178 100
 176 0.0 16.3 24.5#
 179 0.0 12.7 19.1#



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: 0.004 ng

RT: 11.27 min Scan# 1562

Delta R.T. -0.05 min

Lab File: BF112768.D

Acq: 28 Feb 2019 18:35

Instrument :

BNA_F

ClientSampleId :

PB117468BL

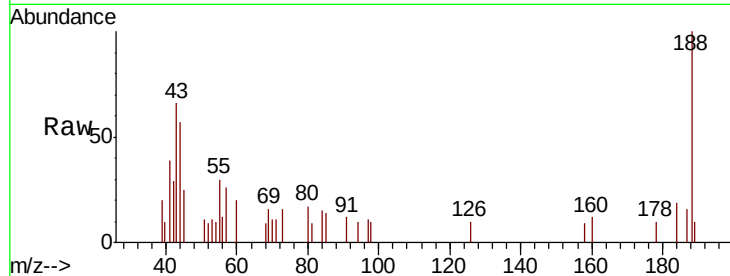
Tgt Ion:178 Resp: 132

Ion Ratio Lower Upper

178 100

176 0.0 15.8 23.6#

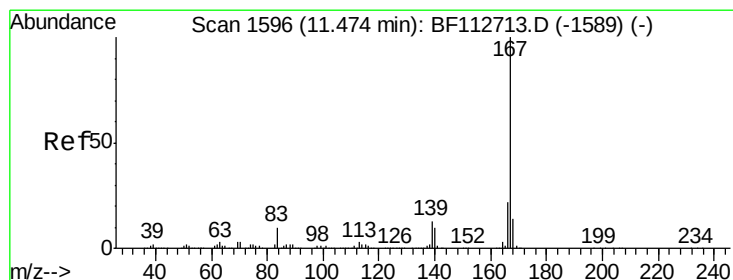
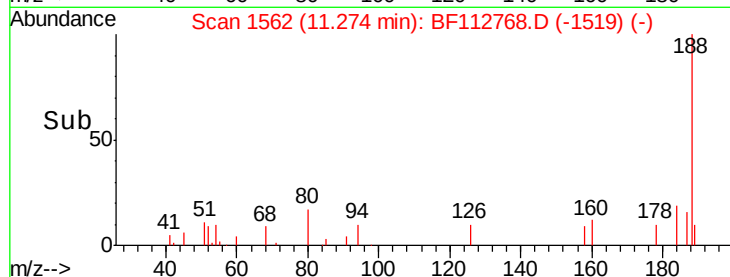
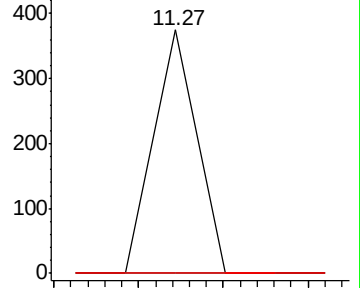
179 0.0 13.0 19.6#



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: 0.004 ng

RT: 11.47 min Scan# 1595

Delta R.T. -0.01 min

Lab File: BF112768.D

Acq: 28 Feb 2019 18:35

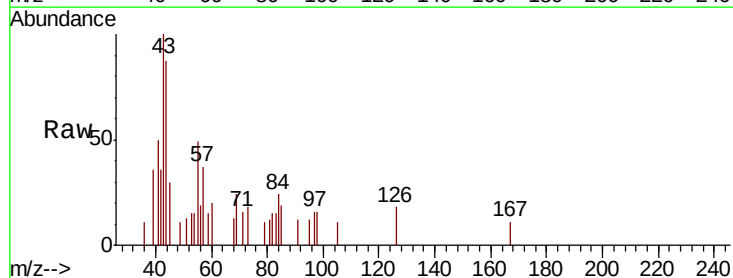
Tgt Ion:167 Resp: 109

Ion Ratio Lower Upper

167 100

166 0.0 17.5 26.3#

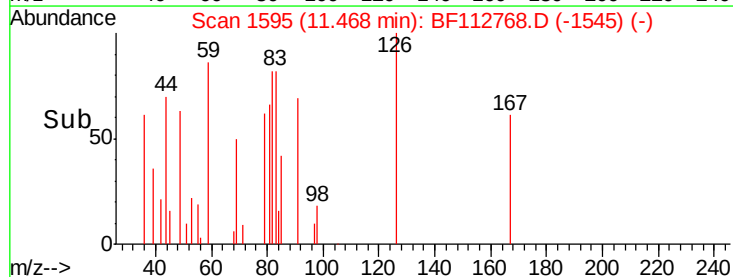
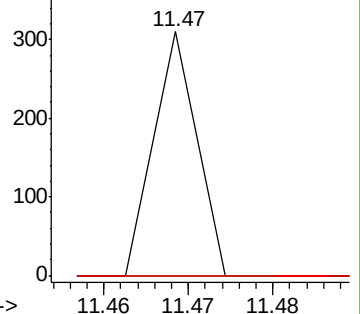
139 0.0 10.8 16.2#

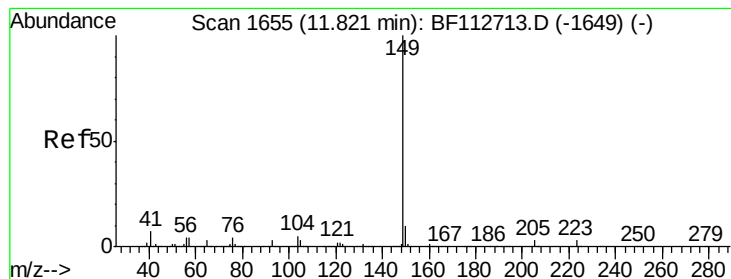


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Di-n-butylphthalate

Concen: 0.066 ng

RT: 11.82 min Scan# 1654

Delta R.T. -0.01 min

Lab File: BF112768.D

Acq: 28 Feb 2019 18:35

Instrument :

BNA_F

ClientSampleId :

PB117468BL

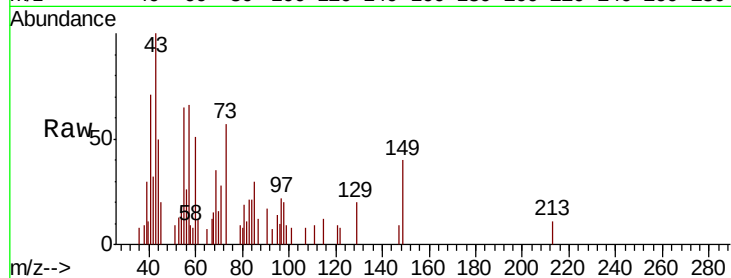
Tgt Ion:149 Resp: 2440

Ion Ratio Lower Upper

149 100

150 0.0 7.6 11.4#

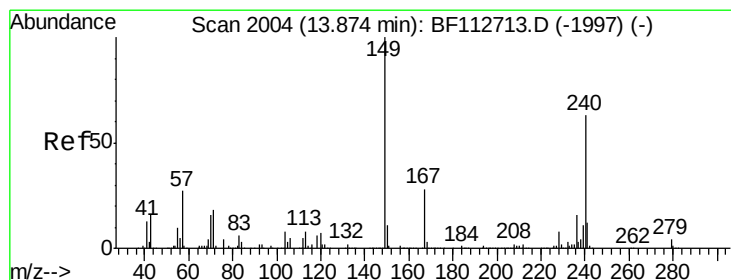
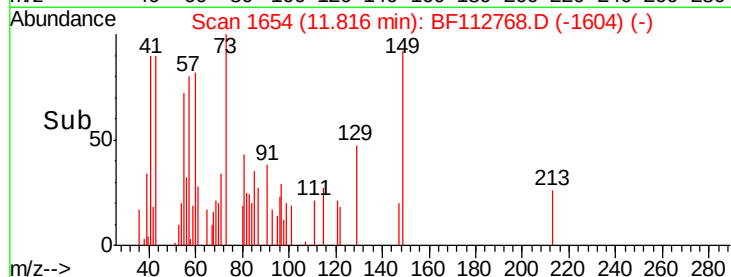
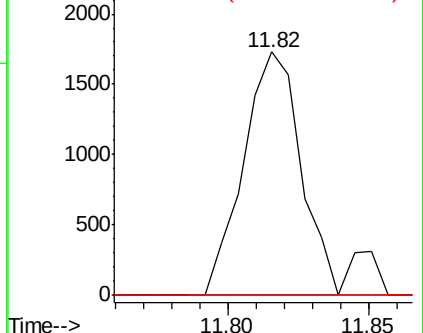
104 0.0 3.7 5.5#



Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF112768.D

Acq: 28 Feb 2019 18:35

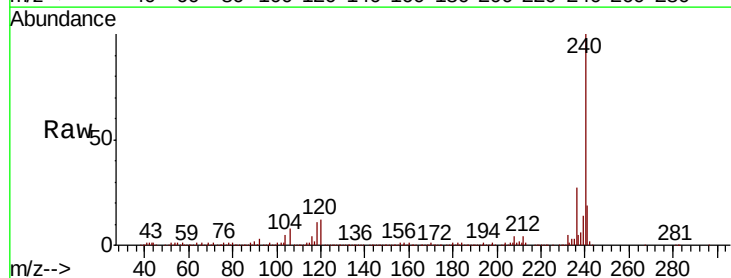
Tgt Ion:240 Resp: 398196

Ion Ratio Lower Upper

240 100

120 12.2 8.9 13.3

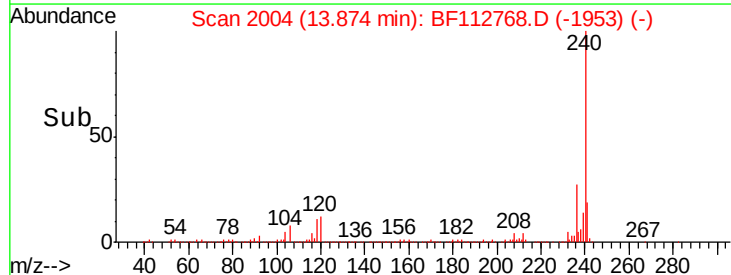
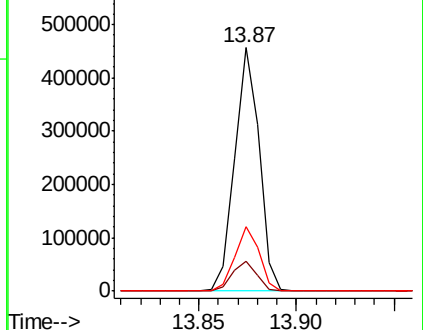
236 26.7 20.7 31.1

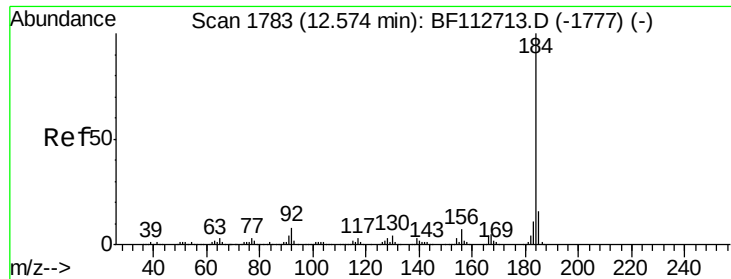


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Benzidine

Concen: 0.935 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.26 min

Lab File: BF112768.D

Acq: 28 Feb 2019 18:35

Instrument :

BNA_F

ClientSampleId :

PB117468BL

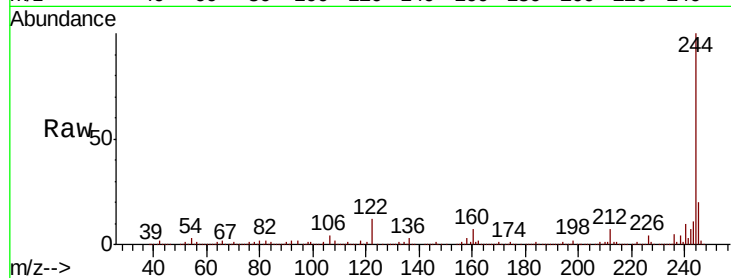
Tgt Ion:184 Resp: 19311

Ion Ratio Lower Upper

184 100

185 17.3 12.6 18.8

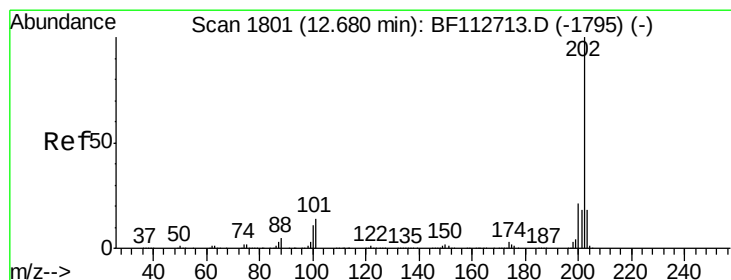
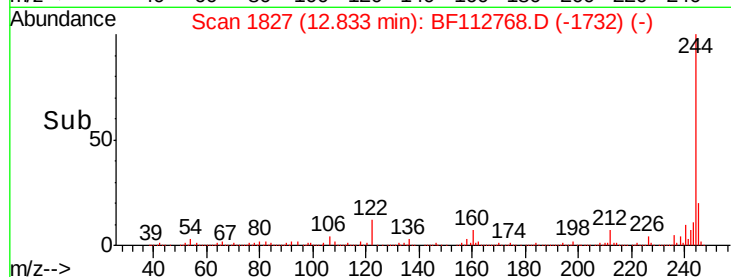
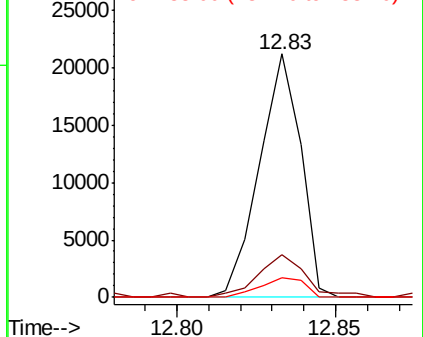
183 8.1 8.6 12.8#



Abundance Ion 184.00 (183.70 to 184.70): E

Ion 185.00 (184.70 to 185.70): E

Ion 183.00 (182.70 to 183.70): E



#78

Pyrene

Concen: 0.136 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.15 min

Lab File: BF112768.D

Acq: 28 Feb 2019 18:35

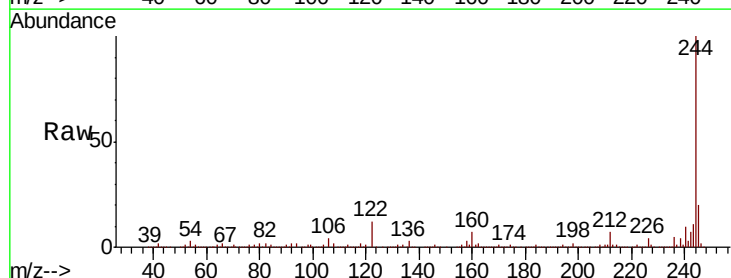
Tgt Ion:202 Resp: 4569

Ion Ratio Lower Upper

202 100

200 56.4 17.0 25.4#

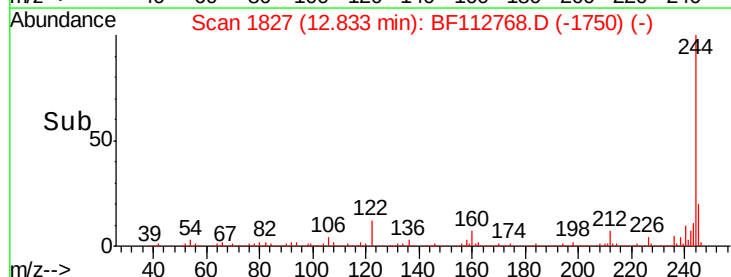
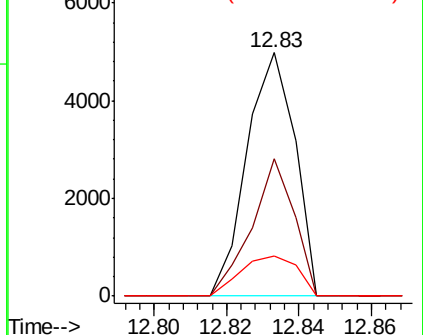
203 16.4 14.4 21.6

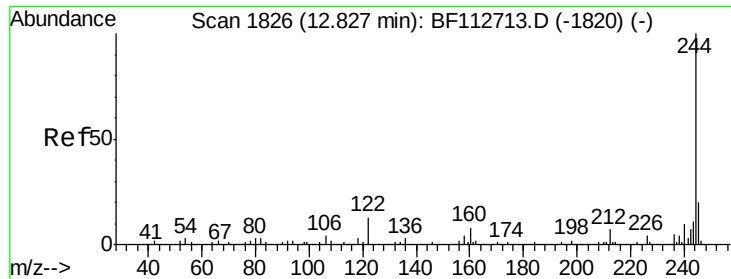


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#79

Terphenyl-d14

Concen: 72.679 ng

RT: 12.83 min Scan# 1827

Delta R.T. 0.01 min

Lab File: BF112768.D

Acq: 28 Feb 2019 18:35

Instrument :

BNA_F

ClientSampleId :

PB117468BL

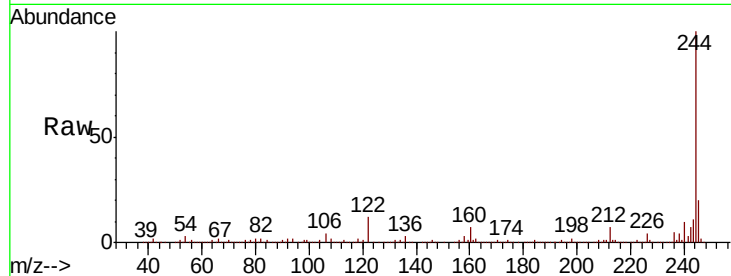
Tgt Ion:244 Resp: 1492933

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

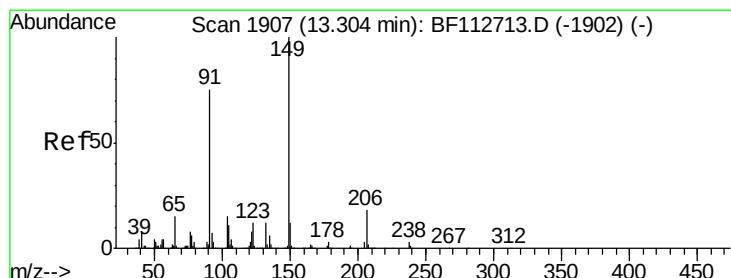
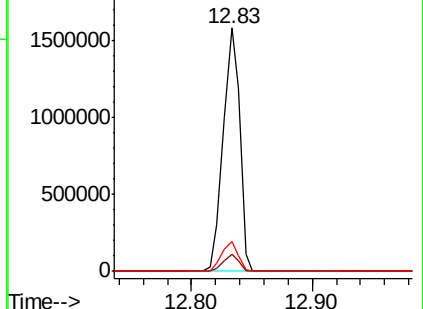
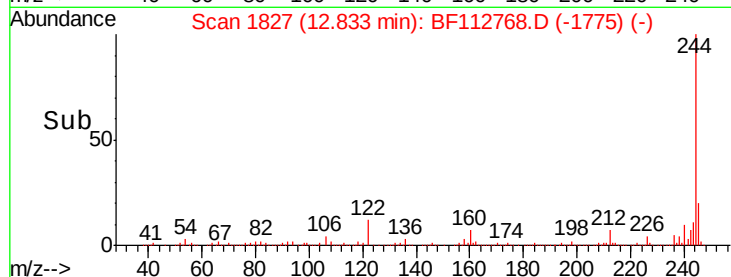
122 12.4 10.5 15.7



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: 0.098 ng

RT: 13.30 min Scan# 1906

Delta R.T. -0.01 min

Lab File: BF112768.D

Acq: 28 Feb 2019 18:35

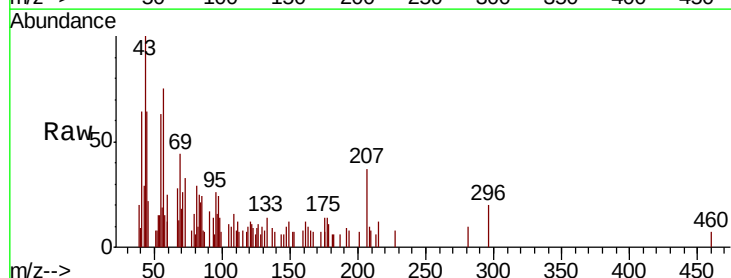
Tgt Ion:149 Resp: 1449

Ion Ratio Lower Upper

149 100

91 137.8 59.9 89.9#

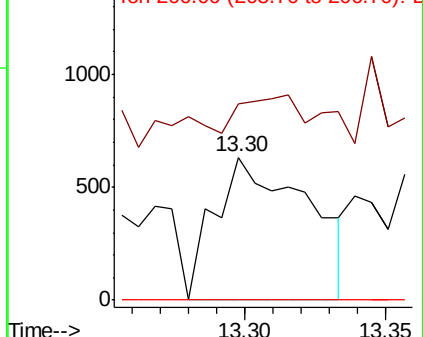
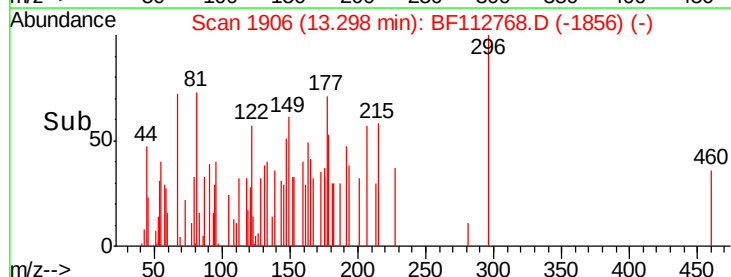
206 0.0 14.7 22.1#

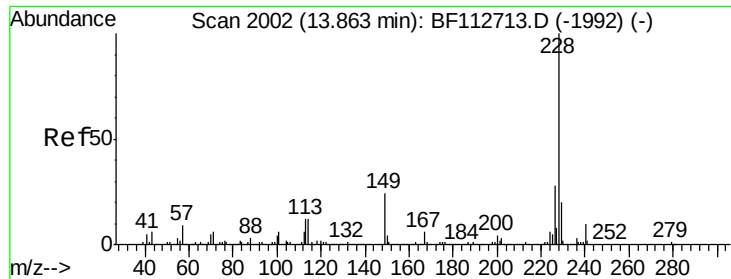


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 91.00 (90.70 to 91.70): BF1

Ion 206.00 (205.70 to 206.70): E

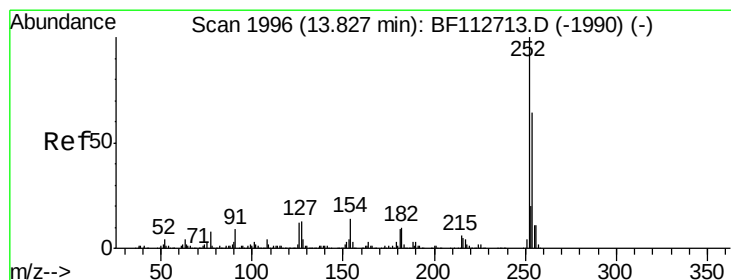
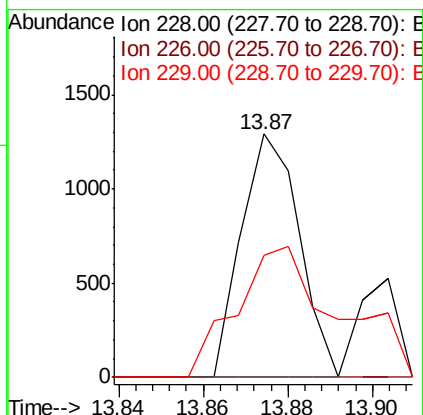
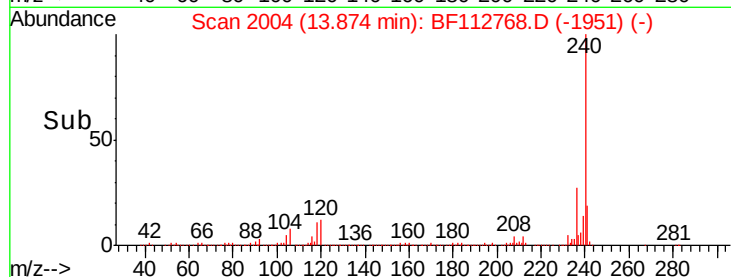
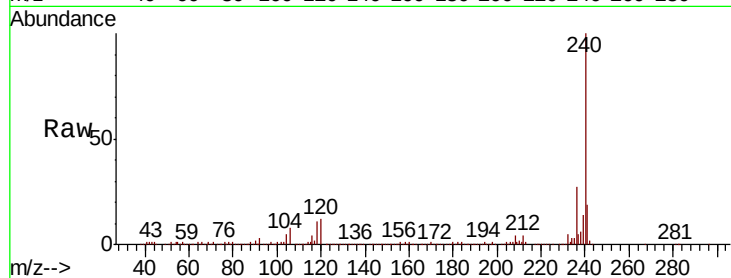




#81
Benzo(a)anthracene
Concen: 0.044 ng
RT: 13.87 min Scan# 2004
Delta R.T. 0.01 min
Lab File: BF112768.D
Acq: 28 Feb 2019 18:35

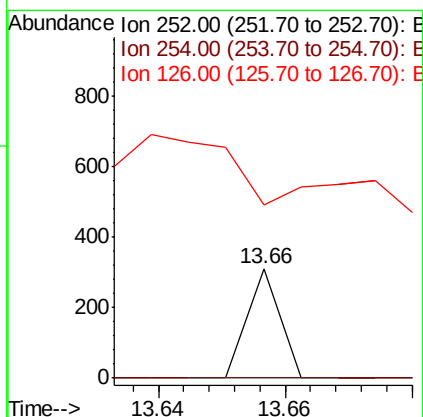
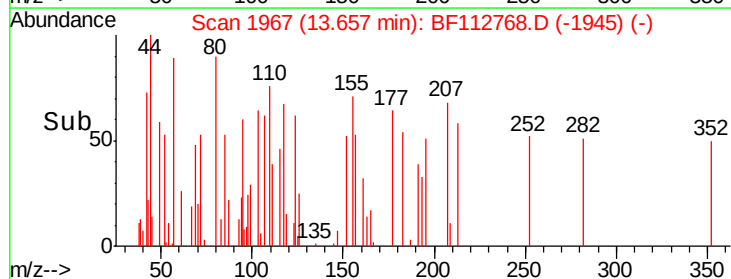
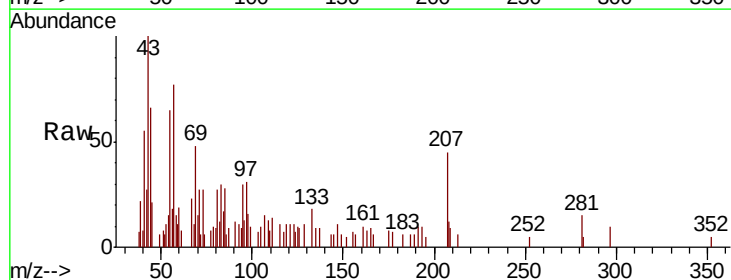
Instrument :
BNA_F
ClientSampleId :
PB117468BL

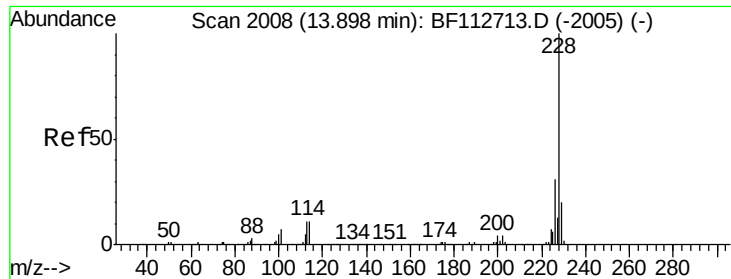
Tgt Ion: 228 Resp: 1226
Ion Ratio Lower Upper
228 100
226 0.0 22.2 33.4#
229 50.1 16.0 24.0#



#82
3,3'-Dichlorobenzidine
Concen: 0.010 ng
RT: 13.66 min Scan# 1967
Delta R.T. -0.17 min
Lab File: BF112768.D
Acq: 28 Feb 2019 18:35

Tgt Ion: 252 Resp: 109
Ion Ratio Lower Upper
252 100
254 0.0 51.1 76.7#
126 158.7 9.9 14.9#





#83

Chrysene

Concen: 0.012 ng

RT: 13.90 min Scan# 2009

Delta R.T. 0.01 min

Lab File: BF112768.D

Acq: 28 Feb 2019 18:35

Instrument :

BNA_F

ClientSampleId :

PB117468BL

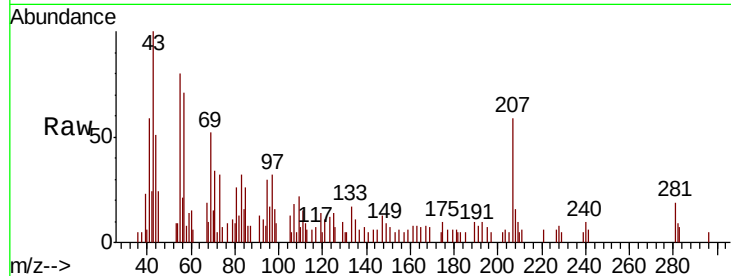
Tgt Ion:228 Resp: 331

Ion Ratio Lower Upper

228 100

226 0.0 24.9 37.3#

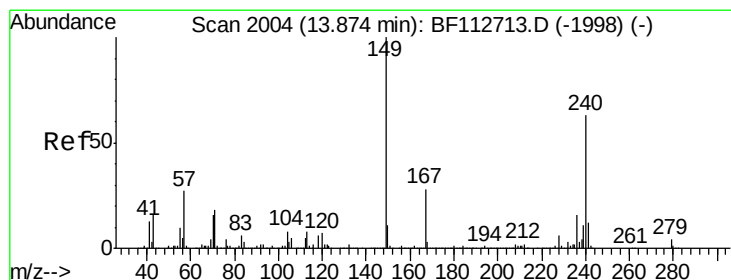
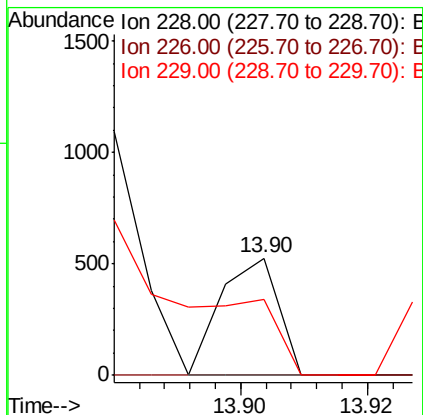
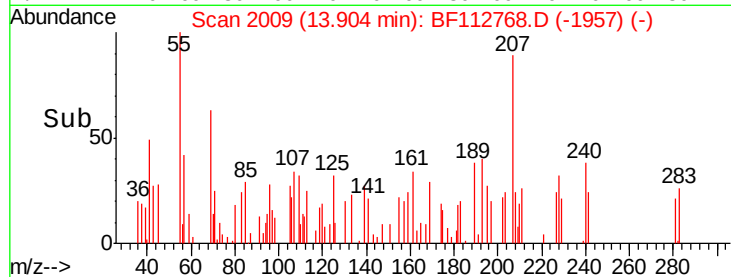
229 64.3 16.3 24.5#



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: 0.037 ng

RT: 13.87 min Scan# 2004

Delta R.T. -0.00 min

Lab File: BF112768.D

Acq: 28 Feb 2019 18:35

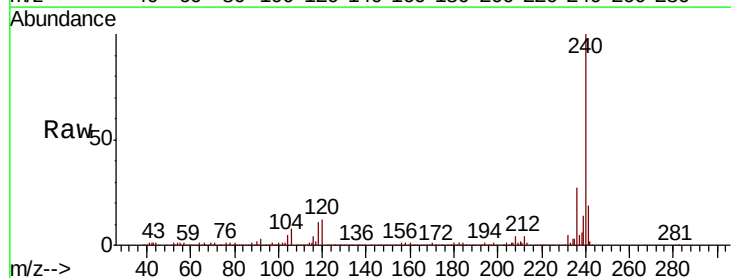
Tgt Ion:149 Resp: 650

Ion Ratio Lower Upper

149 100

167 53.0 22.4 33.6#

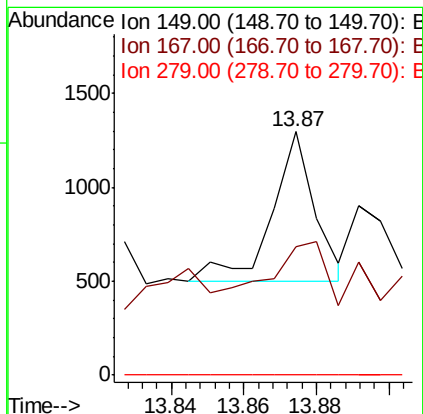
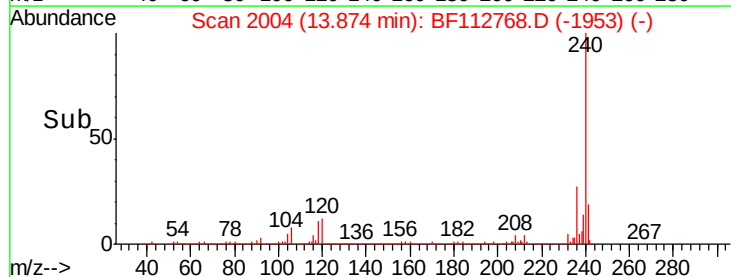
279 0.0 3.3 4.9#

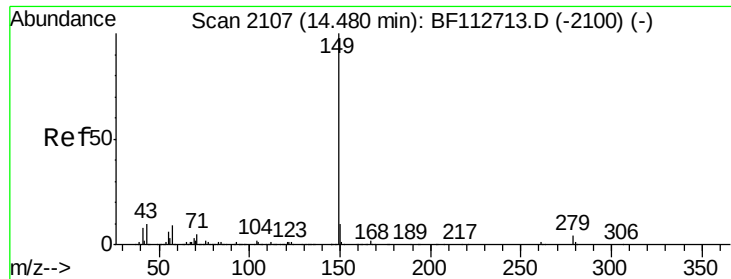


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E





#85

Di-n-octyl phthalate

Concen: 0.015 ng

RT: 14.47 min Scan# 2106

Delta R.T. -0.01 min

Lab File: BF112768.D

Acq: 28 Feb 2019 18:35

Instrument :

BNA_F

ClientSampleId :

PB117468BL

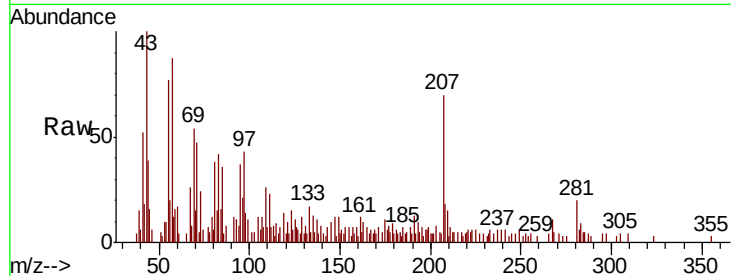
Tgt Ion:149 Resp: 442

Ion Ratio Lower Upper

149 100

167 40.3 1.2 1.8#

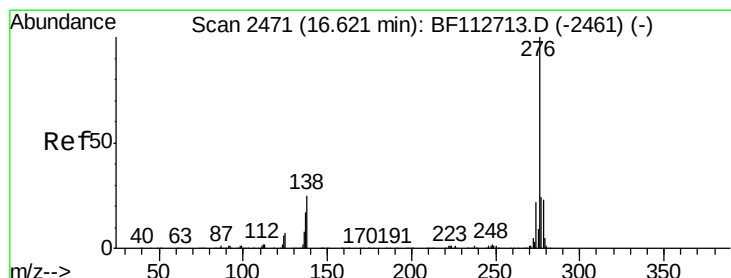
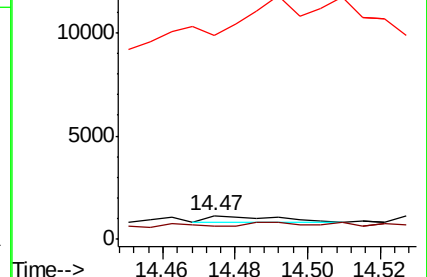
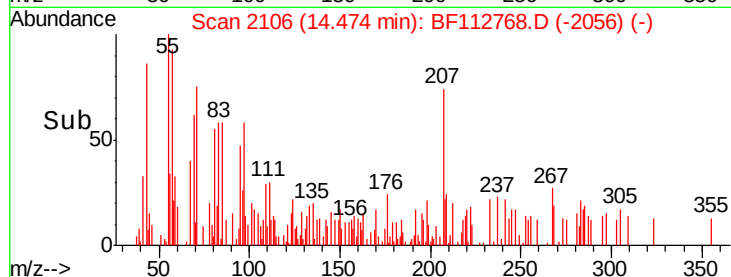
43 1110.4 9.0 13.4#



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: 0.038 ng

RT: 16.66 min Scan# 2477

Delta R.T. 0.04 min

Lab File: BF112768.D

Acq: 28 Feb 2019 18:35

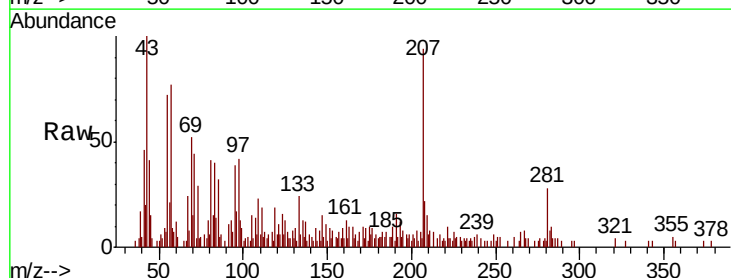
Tgt Ion:276 Resp: 878

Ion Ratio Lower Upper

276 100

138 17.1 23.2 34.8#

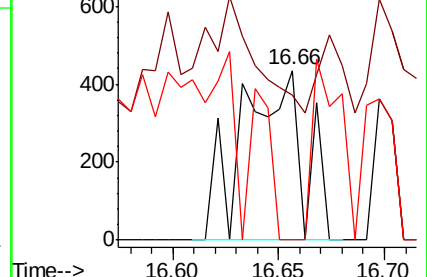
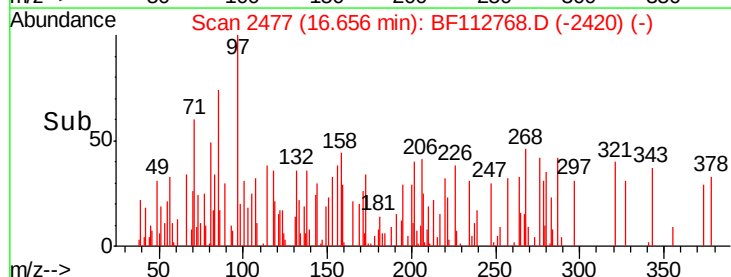
277 47.6 19.9 29.9#

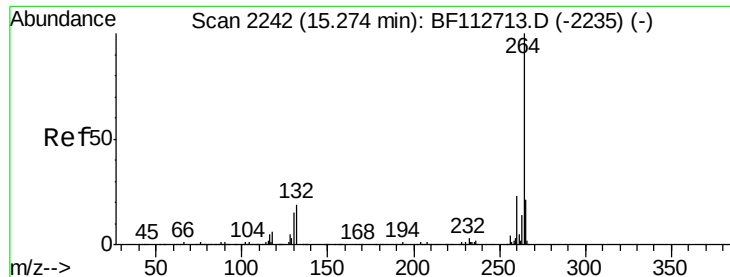


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



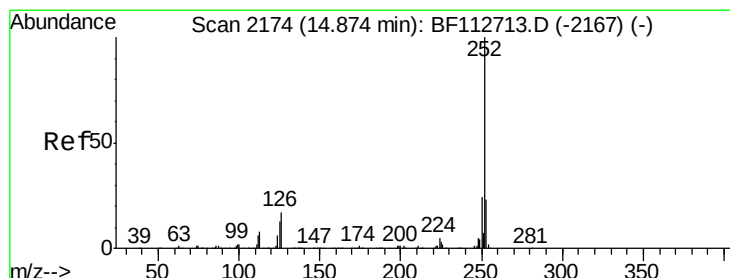
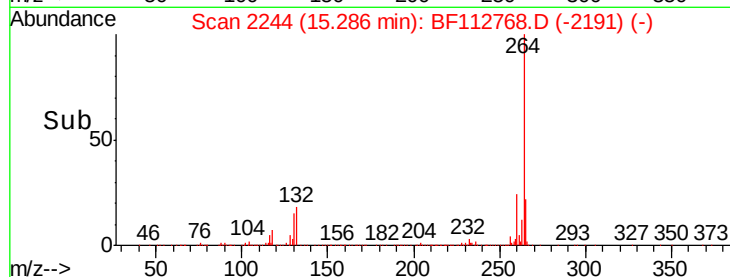
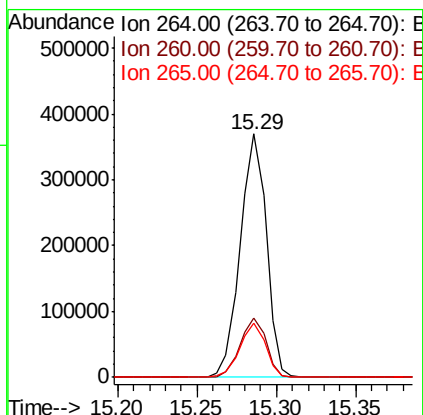
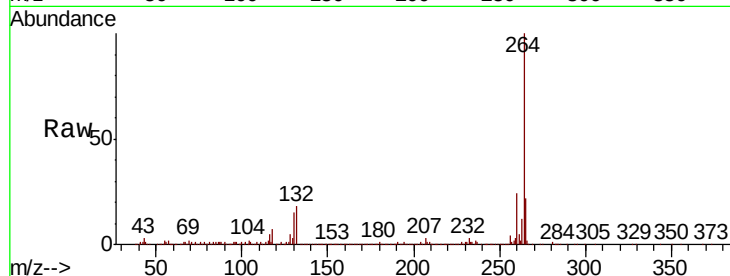


#87
Perylene-d12
Concen: 20.000 ng
RT: 15.29 min Scan# 2244
Delta R.T. 0.01 min
Lab File: BF112768.D
Acq: 28 Feb 2019 18:35

Instrument :
BNA_F
ClientSampleId :
PB117468BL

Tgt Ion: 264 Resp: 423734

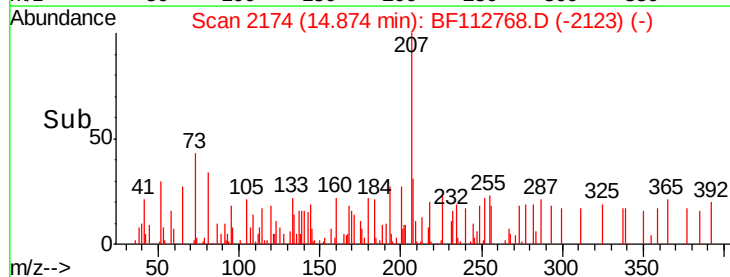
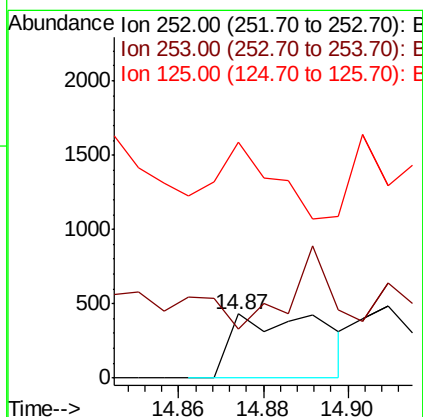
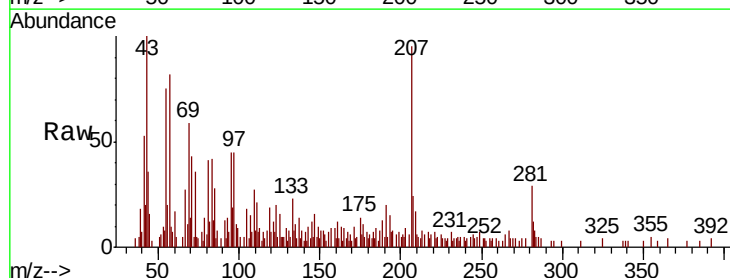
Ion	Ratio	Lower	Upper
264	100		
260	24.3	18.7	28.1
265	22.1	17.2	25.8

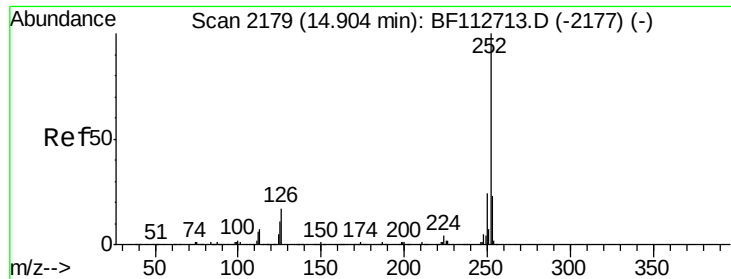


#88
Benzo(b)fluoranthene
Concen: 0.024 ng
RT: 14.87 min Scan# 2174
Delta R.T. -0.00 min
Lab File: BF112768.D
Acq: 28 Feb 2019 18:35

Tgt Ion: 252 Resp: 658

Ion	Ratio	Lower	Upper
252	100		
253	75.9	18.0	27.0#
125	369.1	10.2	15.2#

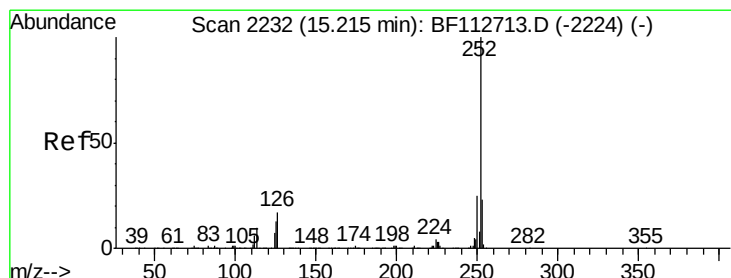
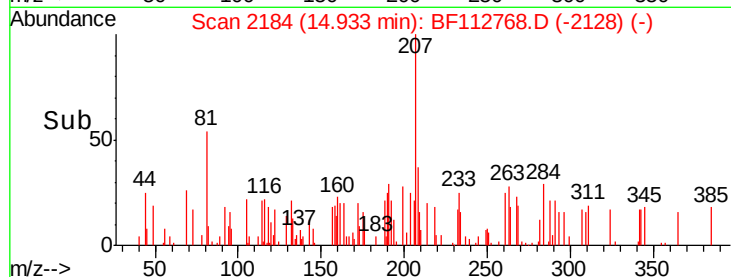
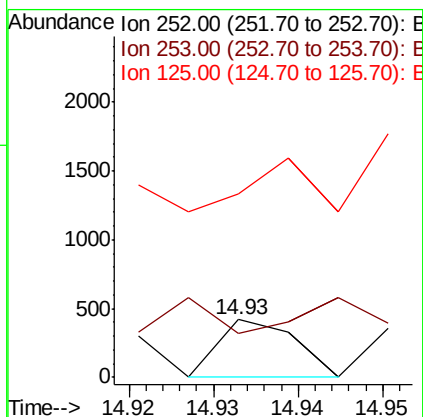
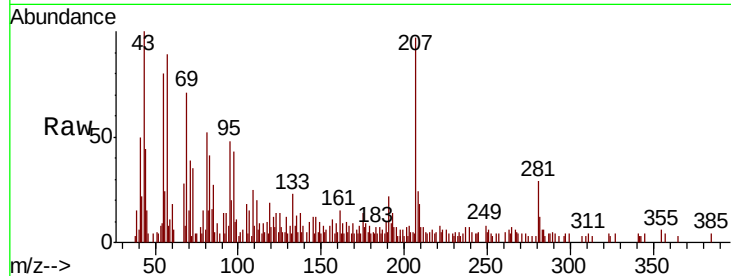




#89
Benzo(k)fluoranthene
Concen: 0.011 ng
RT: 14.93 min Scan# 2184
Delta R.T. 0.03 min
Lab File: BF112768.D
Acq: 28 Feb 2019 18:35

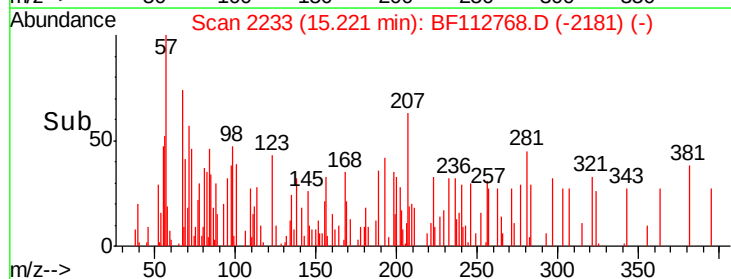
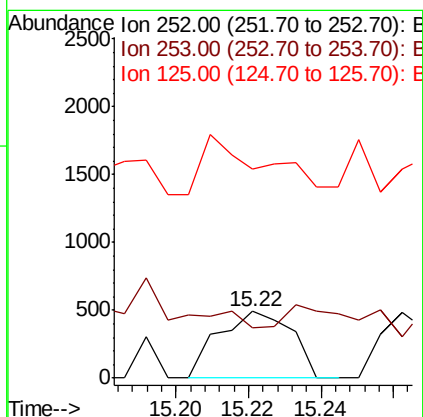
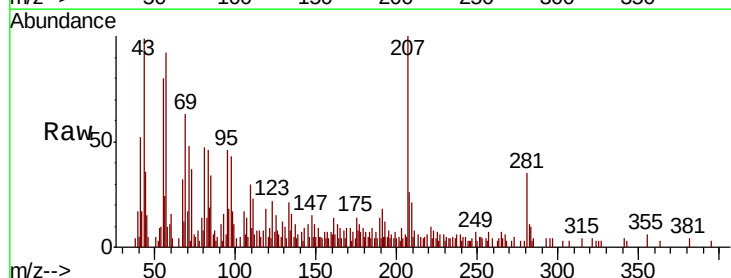
Instrument :
BNA_F
ClientSampleId :
PB117468BL

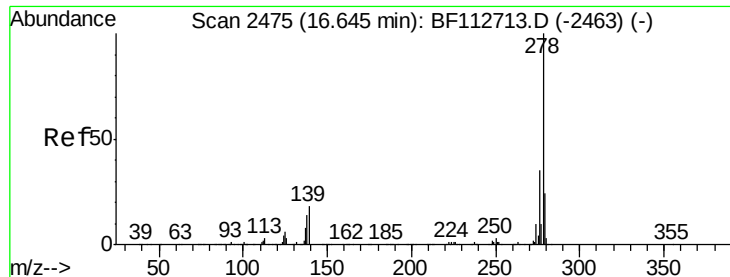
Tgt Ion:252 Resp: 264
Ion Ratio Lower Upper
252 100
253 75.1 18.2 27.2#
125 317.1 9.8 14.6#



#90
Benzo(a)pyrene
Concen: 0.028 ng
RT: 15.22 min Scan# 2233
Delta R.T. 0.01 min
Lab File: BF112768.D
Acq: 28 Feb 2019 18:35

Tgt Ion:252 Resp: 681
Ion Ratio Lower Upper
252 100
253 76.3 18.0 27.0#
125 316.0 10.7 16.1#





#91

Dibenzo(a,h)anthracene

Concen: 0.005 ng

RT: 16.66 min Scan# 2477

Delta R.T. 0.01 min

Lab File: BF112768.D

Acq: 28 Feb 2019 18:35

Instrument :

BNA_F

ClientSampled :

PB117468BL

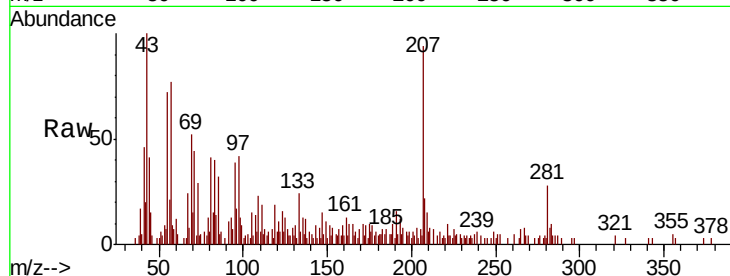
Tgt Ion:278 Resp: 112

Ion Ratio Lower Upper

278 100

139 197.8 14.3 21.5#

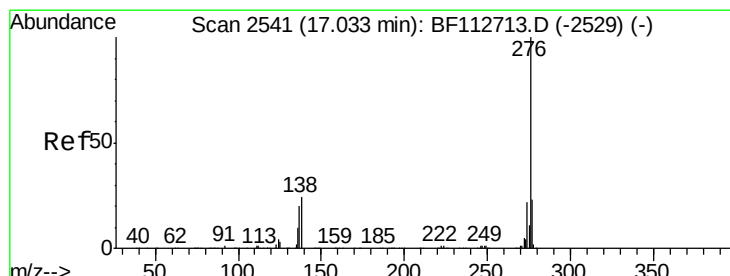
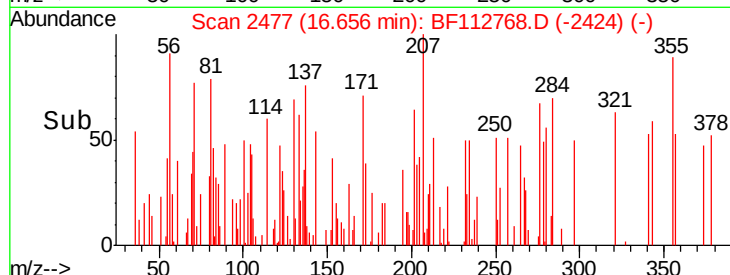
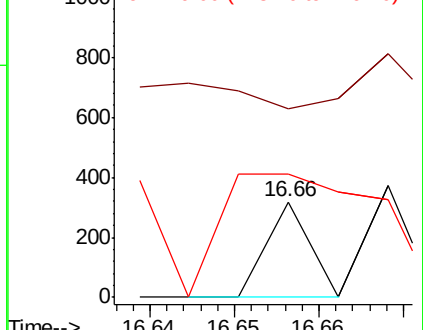
279 129.2 19.4 29.0#



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: 0.006 ng

RT: 17.03 min Scan# 2540

Delta R.T. -0.01 min

Lab File: BF112768.D

Acq: 28 Feb 2019 18:35

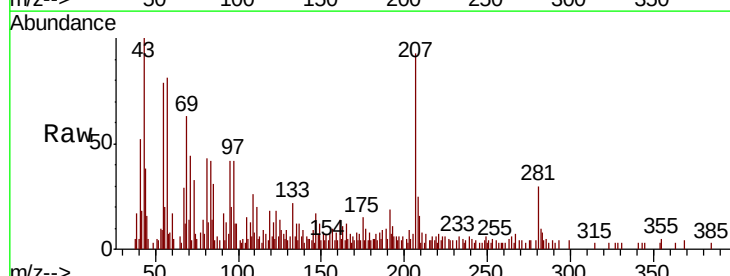
Tgt Ion:276 Resp: 131

Ion Ratio Lower Upper

276 100

277 0.0 18.6 27.8#

138 184.3 19.4 29.0#



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

