

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010419\
 Data File : BF111852.D
 Acq On : 4 Jan 2019 18:41
 Operator : JU/SJ
 Sample : K1040-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 04 23:30:46 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA F\METHODS\8270-BF121918.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 19 17:39:39 2018
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	163214	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	555757	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	246788	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	364707	20.00	ng	0.00
76) Chrysene-d12	14.13	240	175226	20.00	ng	0.08
87) Perylene-d12	15.64	264	176568	20.00	ng	0.13

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.53	112	921258	96.21	ng	0.01
7) Phenol-d6	6.53	99	1188609	97.54	ng	0.01
23) Nitrobenzene-d5	7.45	82	689109	72.17	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	213330	73.16	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1117327	65.99	ng	0.00
79) Terphenyl-d14	13.03	244	739867	80.07	ng	0.03

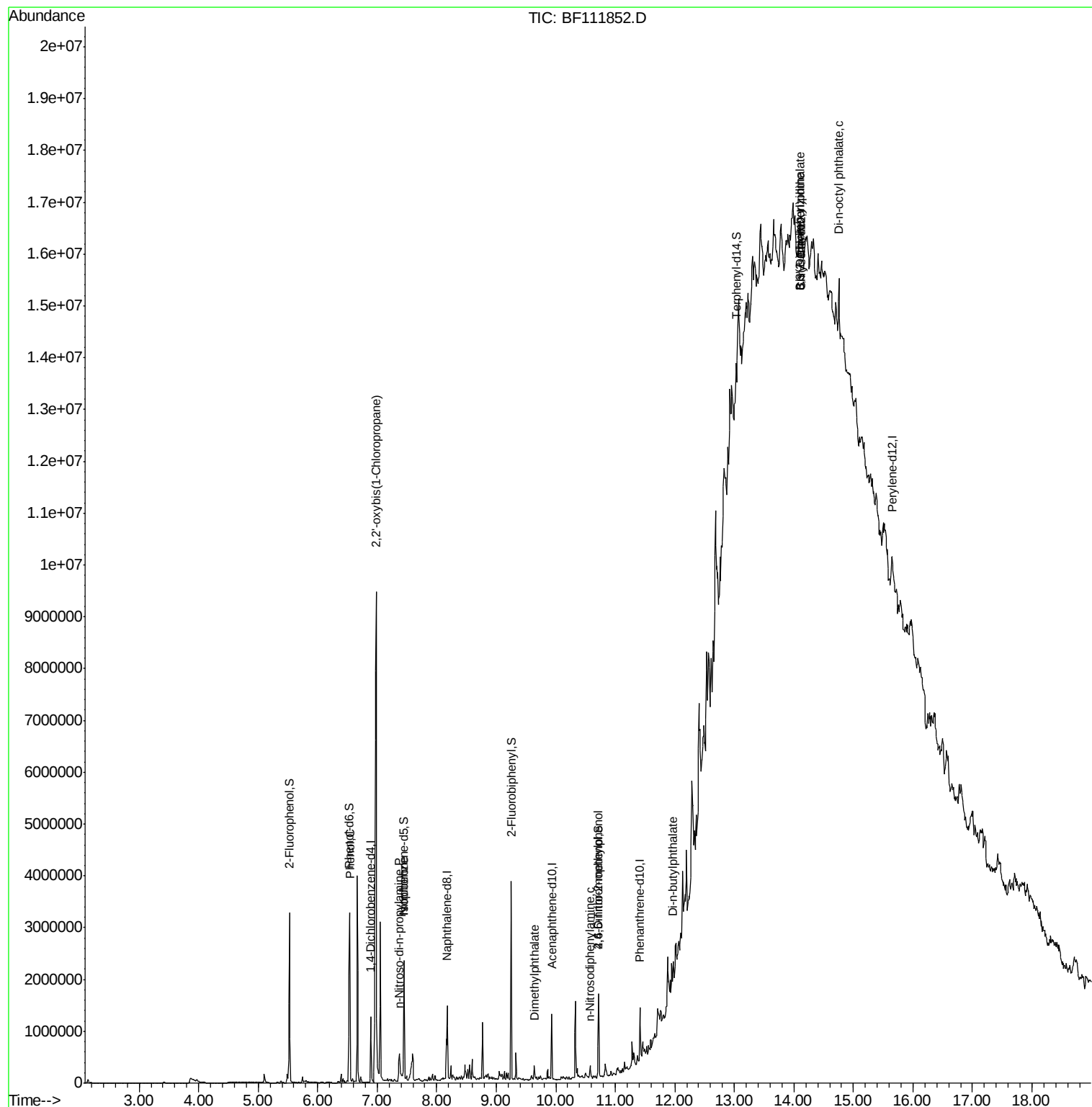
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.55	94	72062	5.241	ng	96
16) 2,2'-oxybis(1-Chloropropan	6.99	45	78394	4.131	ng	86
19) n-Nitroso-di-n-propylamine	7.37	70	69104	8.539	ng	# 57
25) Isophorone	7.45	82	688777	40.636	ng	# 64
50) Dimethylphthalate	9.64	163	88899	4.926	ng	97
65) 4,6-Dinitro-2-methylphenol	10.72	198	322	6.877	ng	# 1
66) n-Nitrosodiphenylamine	10.58	169	38500	3.145	ng	97
74) Di-n-butylphthalate	11.97	149	74418	3.521	ng	# 93
82) 3,3'-Dichlorobenzidine	14.11	252	13570	3.434	ng	# 1
84) Bis(2-ethylhexyl)phthalate	14.09	149	64689	10.182	ng	# 75
85) Di-n-octyl phthalate	14.76	149	318719	32.378	ng	# 55

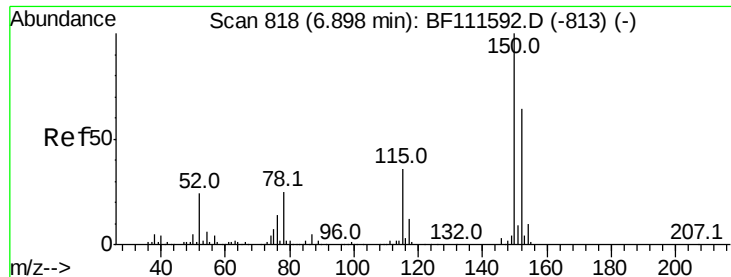
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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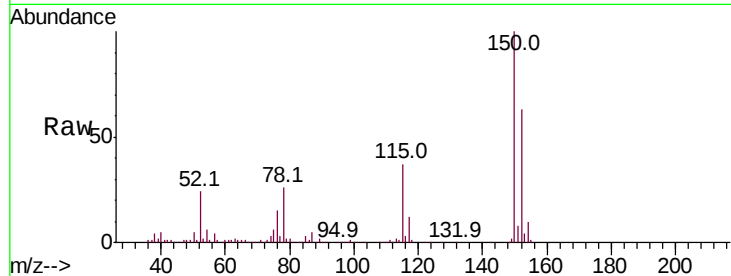


#1

1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF111852.D
Acq: 4 Jan 2019 18:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
152	100		
150	157.8	126.6	189.8
115	58.9	50.7	76.1

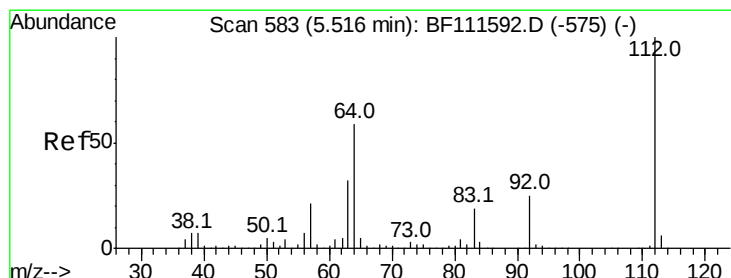
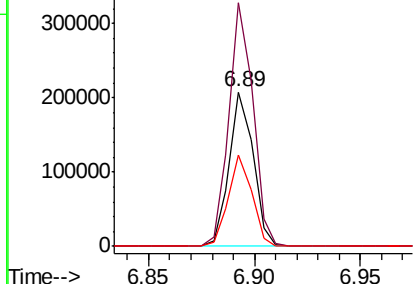
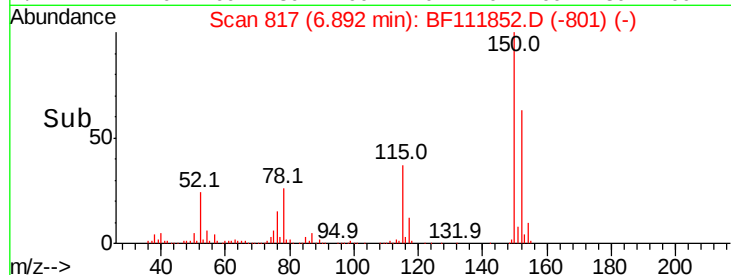


Abundance

Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

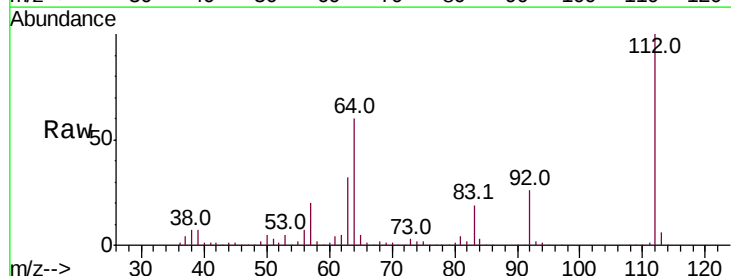
Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol
Concen: 96.212 ng
RT: 5.53 min Scan# 585
Delta R.T. 0.01 min
Lab File: BF111852.D
Acq: 4 Jan 2019 18:41

Tgt Ion	Ratio	Lower	Upper
112	100		
64	60.0	51.8	77.6
63	32.1	26.8	40.2

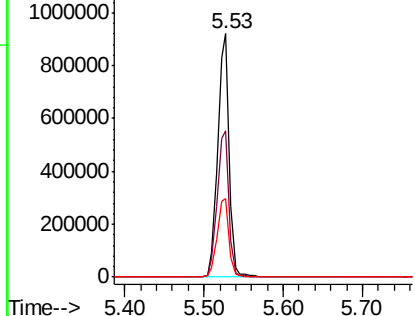
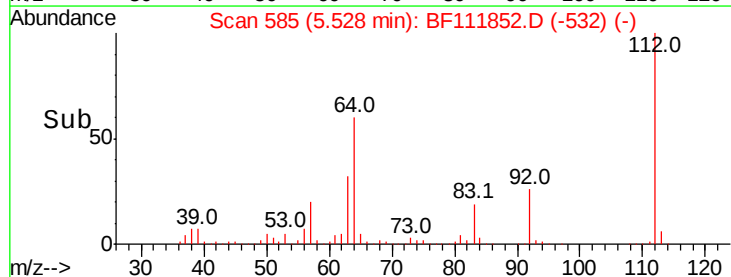


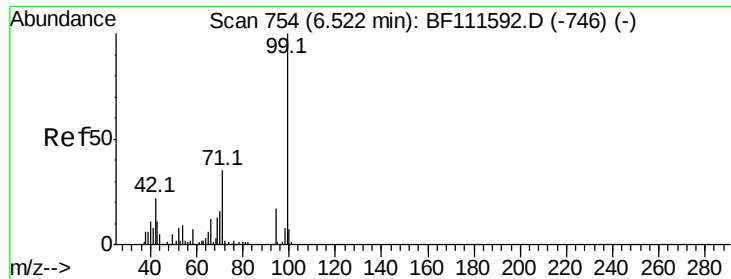
Abundance

Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF1

Ion 63.00 (62.70 to 63.70): BF1





#7

Phenol-d6

Concen: 97.539 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.01 min

Lab File: BF111852.D

Acq: 4 Jan 2019 18:41

Instrument :

BNA_G

ClientSampled :

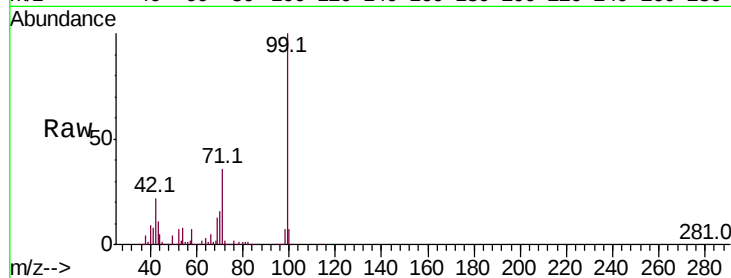
Tot Ion: 99 Resp: 1188609

Ion Ratio Lower Upper

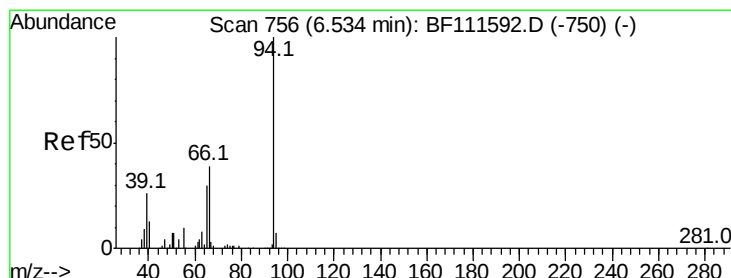
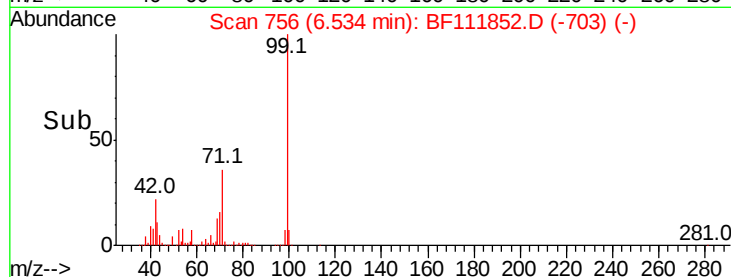
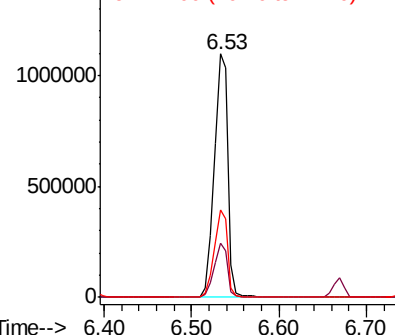
99 100

42 22.2 17.4 26.0

71 36.0 26.1 39.1



Abundance Ion 99.00 (98.70 to 99.70): BF1
1500000
Ion 42.00 (41.70 to 42.70): BF1
Ion 71.00 (70.70 to 71.70): BF1



#10

Phenol

Concen: 5.241 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.01 min

Lab File: BF111852.D

Acq: 4 Jan 2019 18:41

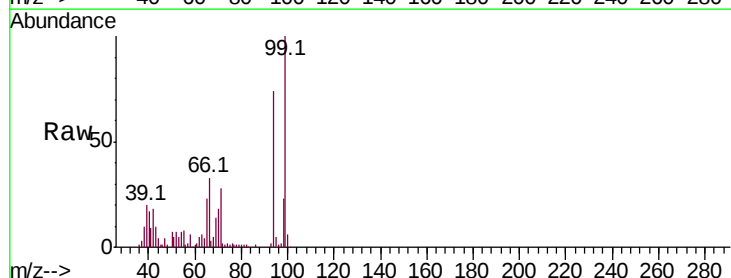
Tgt Ion: 94 Resp: 72062

Ion Ratio Lower Upper

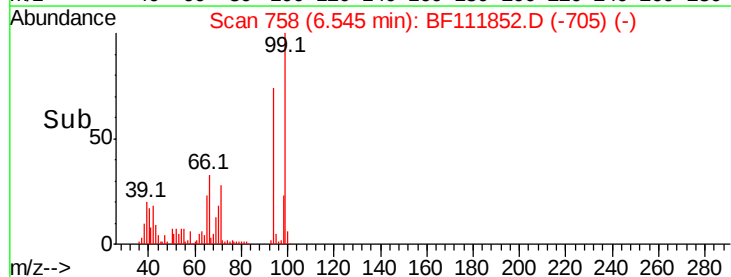
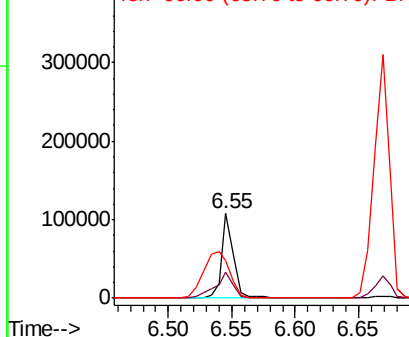
94 100

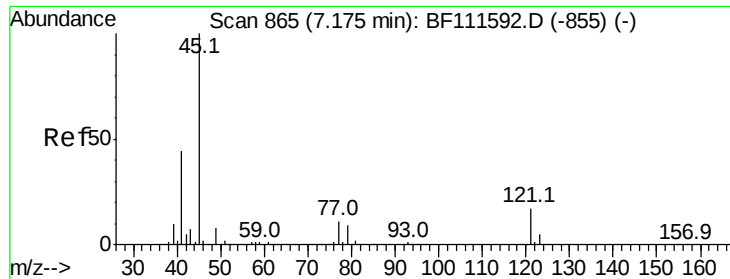
65 31.0 11.7 51.7

66 44.4 21.0 61.0



Abundance Ion 94.00 (93.70 to 94.70): BF1
400000
Ion 65.00 (64.70 to 65.70): BF1
Ion 66.00 (65.70 to 66.70): BF1

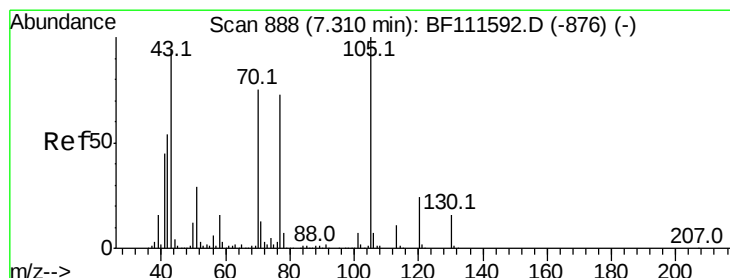
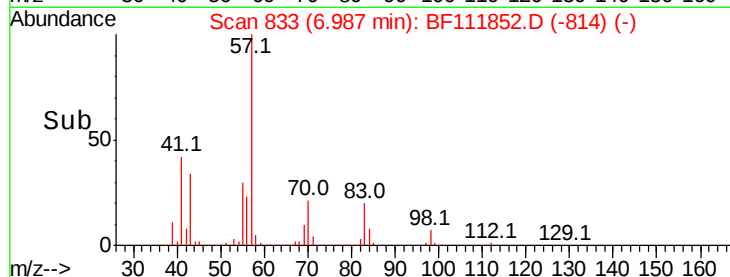
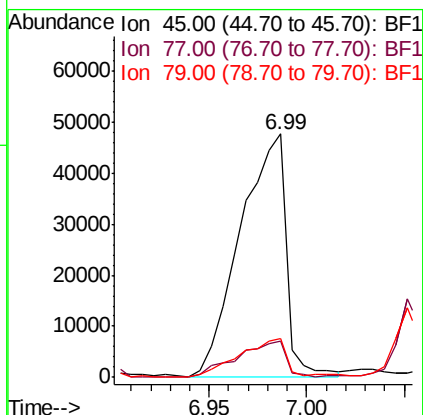
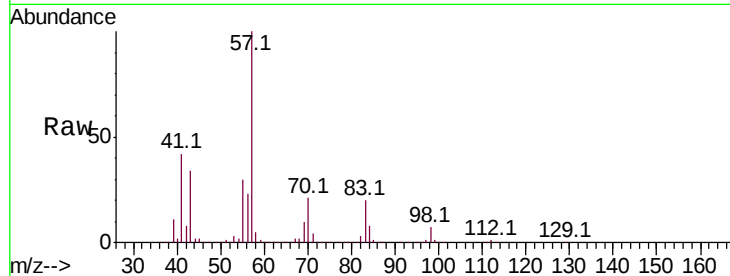




#16
2,2'-oxvbis(1-Chloropropane)
Concen: 4.131 ng
RT: 6.99 min Scan# 833
Delta R.T. -0.19 min
Lab File: BF111852.D
Acq: 4 Jan 2019 18:41

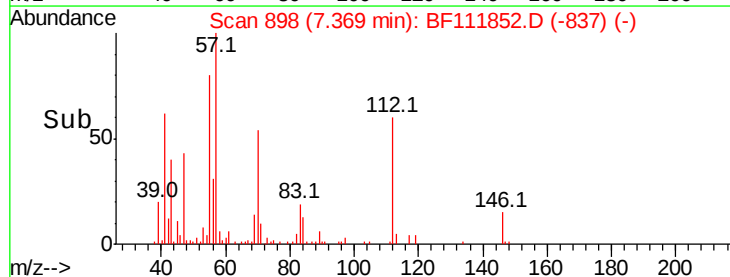
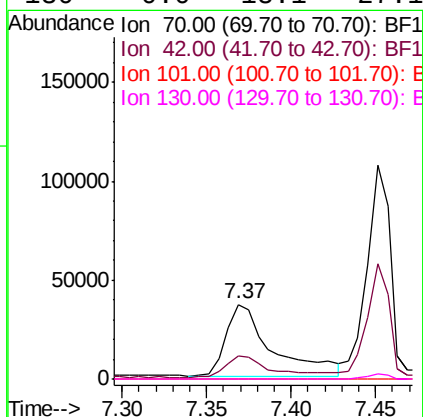
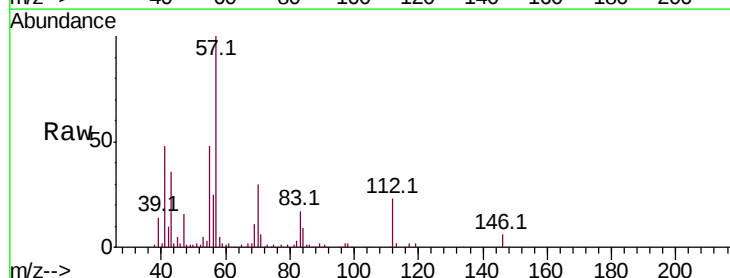
Instrument :
BNA_G
ClientSampleId :

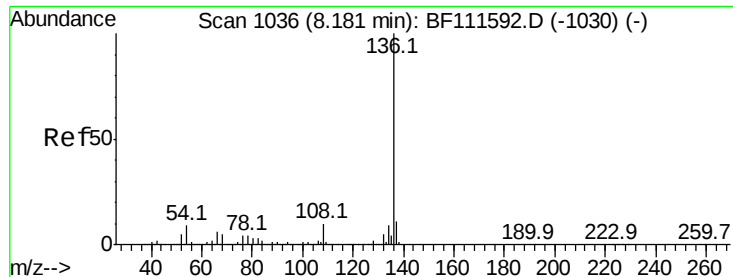
Tot Ion: 45 Resp: 78394
Ion Ratio Lower Upper
45 100
77 14.9 0.0 31.5
79 15.9 0.0 28.9



#19
n-Nitroso-di-n-propylamine
Concen: 8.539 ng
RT: 7.37 min Scan# 898
Delta R.T. 0.06 min
Lab File: BF111852.D
Acq: 4 Jan 2019 18:41

Tgt Ion: 70 Resp: 69104
Ion Ratio Lower Upper
70 100
42 31.5 53.2 79.8#
101 0.0 8.2 12.4#
130 0.0 18.1 27.1#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF111852.D

Acq: 4 Jan 2019 18:41

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 555757

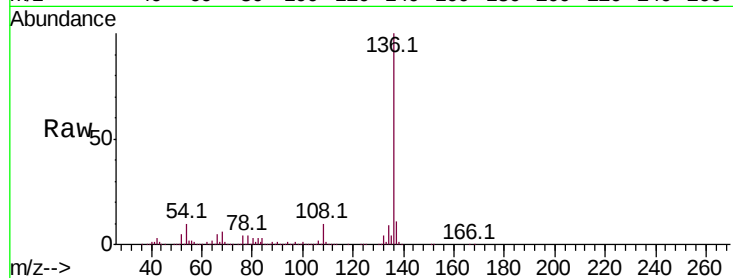
Ion Ratio Lower Upper

136 100

137 11.4 9.1 13.7

54 9.6 7.7 11.5

68 6.0 4.9 7.3

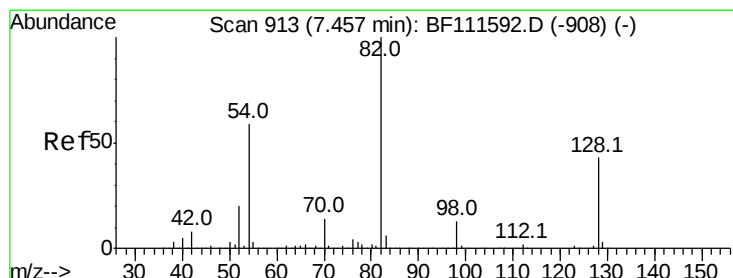
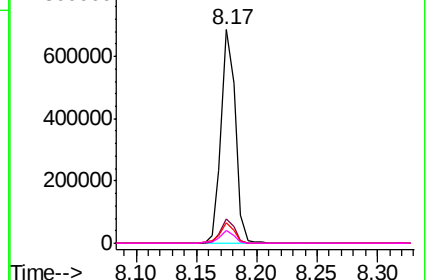
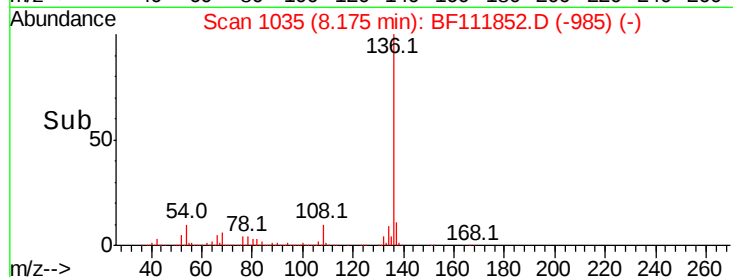


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.174 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF111852.D

Acq: 4 Jan 2019 18:41

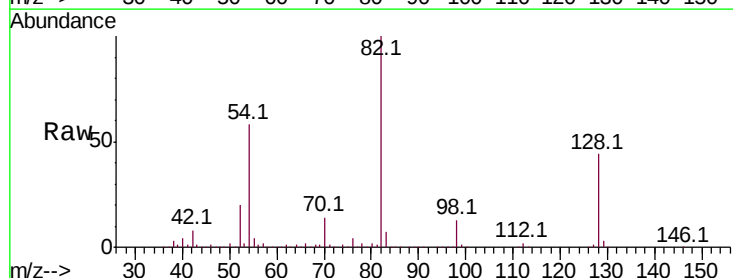
Tgt Ion: 82 Resp: 689109

Ion Ratio Lower Upper

82 100

128 43.6 37.4 56.2

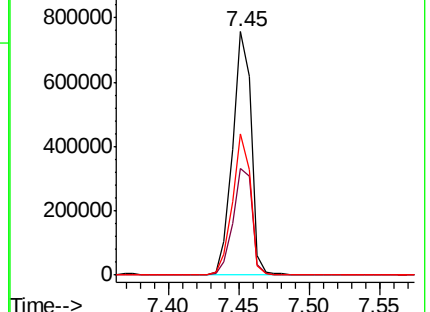
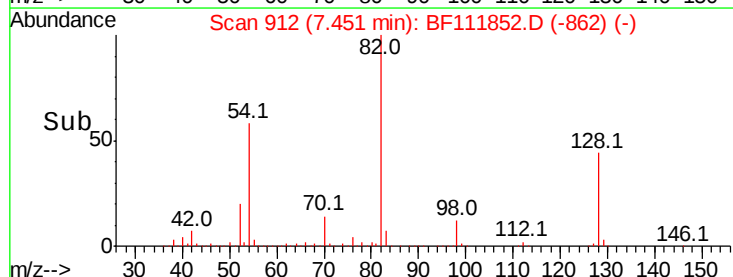
54 58.1 47.6 71.4

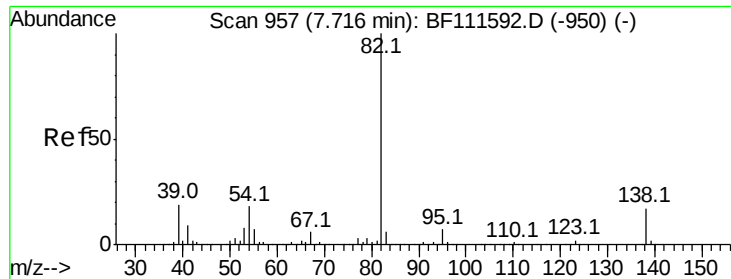


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 40.636 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF111852.D

Acq: 4 Jan 2019 18:41

Instrument :

BNA_G

ClientSampleId :

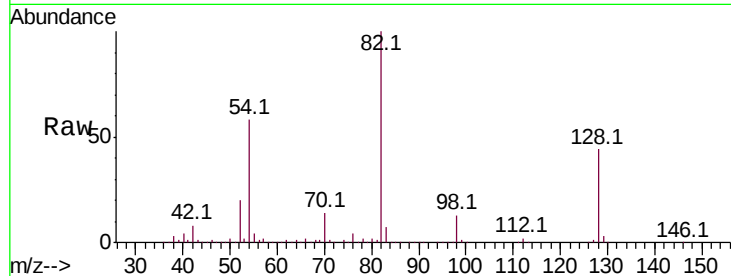
Tot Ion: 82 Resp: 688777

Ion Ratio Lower Upper

82 100

95 0.1 5.4 8.2#

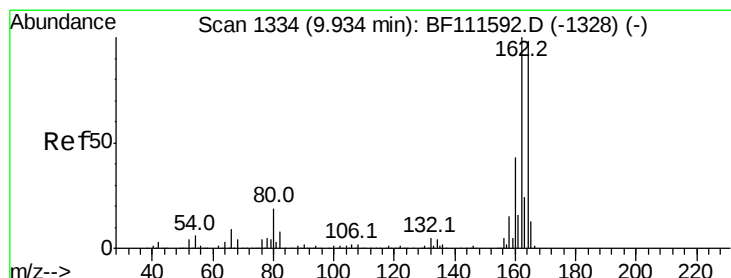
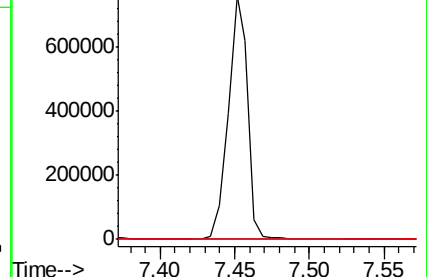
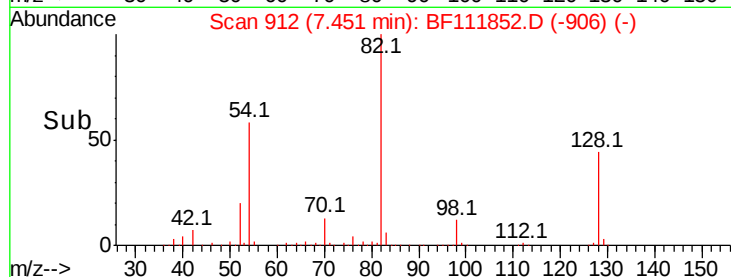
138 0.0 15.1 22.7#



Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 95.00 (94.70 to 95.70): BF1

Ion 138.00 (137.70 to 138.70): BF1



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.01 min

Lab File: BF111852.D

Acq: 4 Jan 2019 18:41

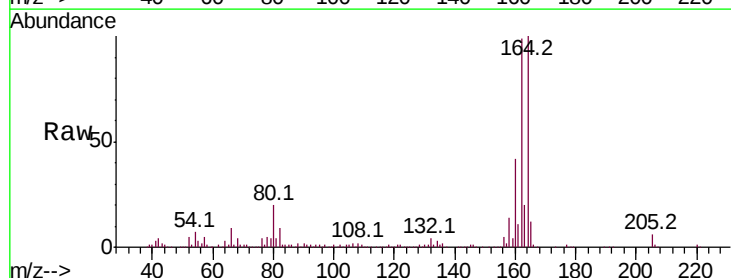
Tgt Ion:164 Resp: 246788

Ion Ratio Lower Upper

164 100

162 99.4 81.4 122.0

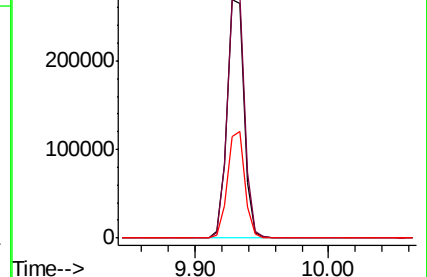
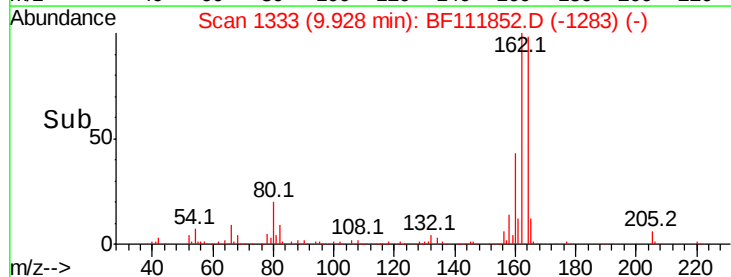
160 42.5 35.7 53.5

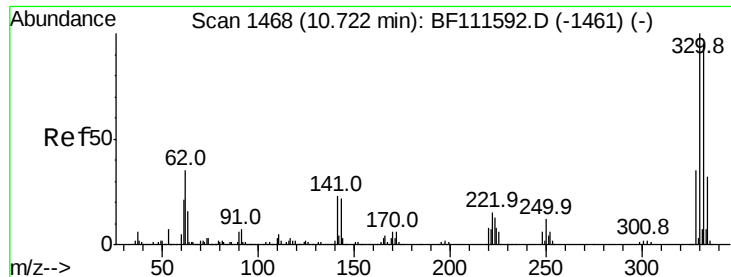


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

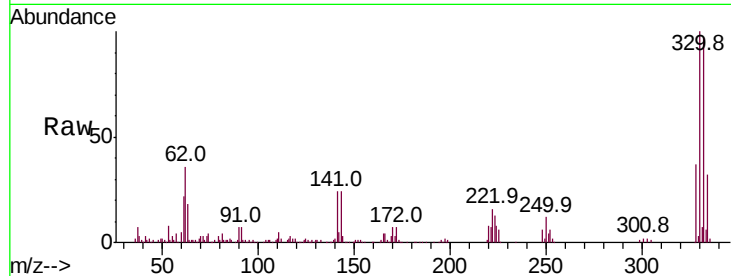




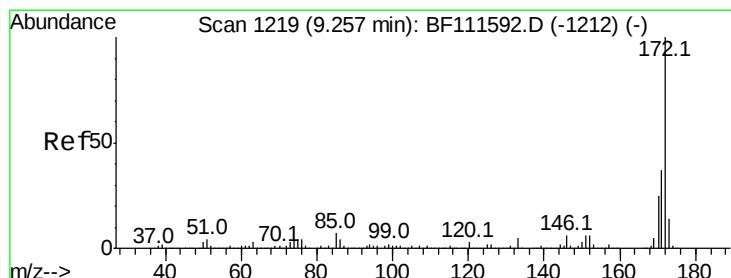
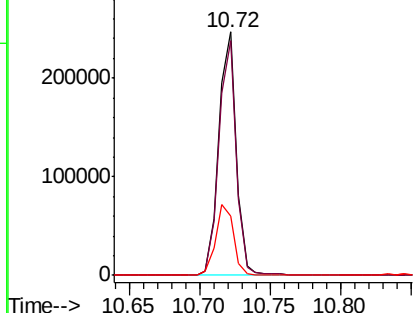
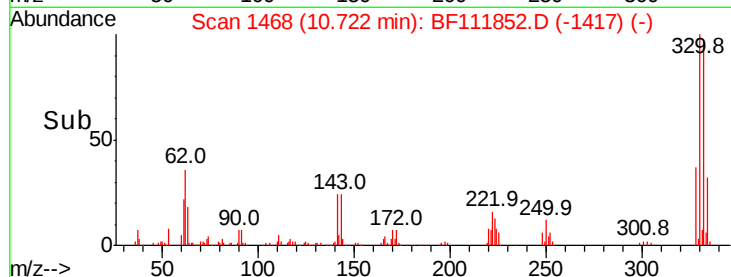
#42
 2,4,6-Tribromophenol
 Concen: 73.159 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: BF111852.D
 Acq: 4 Jan 2019 18:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:330 Resp: 213330
 Ion Ratio Lower Upper
 330 100
 332 95.7 76.0 114.0
 141 30.8 31.0 46.6#

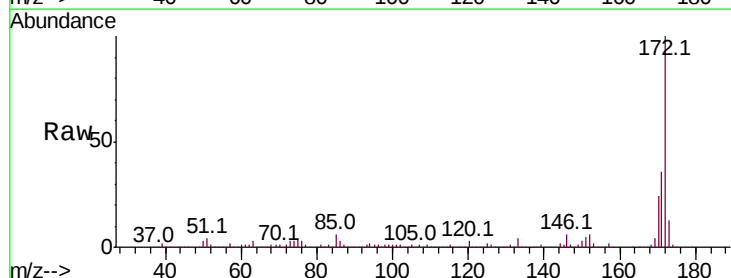


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

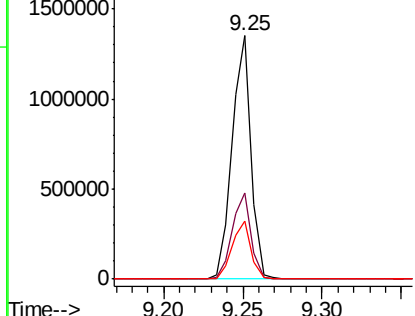
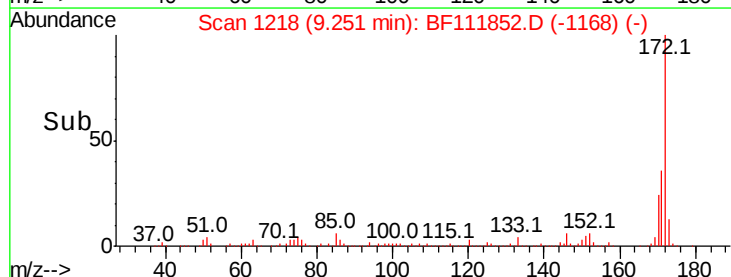


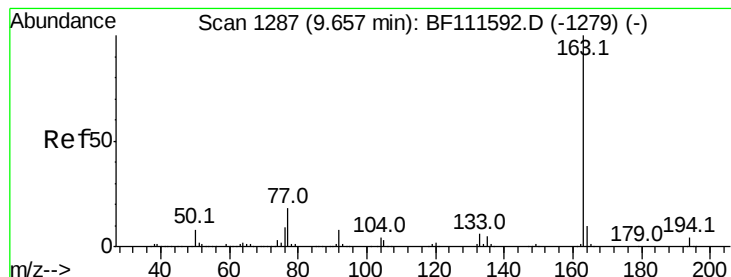
#45
 2-Fluorobiphenyl
 Concen: 65.991 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF111852.D
 Acq: 4 Jan 2019 18:41

Tgt Ion:172 Resp: 1117327
 Ion Ratio Lower Upper
 172 100
 171 35.6 33.0 49.4
 170 23.7 22.3 33.5



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





#50

Dimethylphthalate

Concen: 4.926 ng

RT: 9.64 min Scan# 1284

Delta R.T. -0.02 min

Lab File: BF111852.D

Acq: 4 Jan 2019 18:41

Instrument :

BNA_G

ClientSampled :

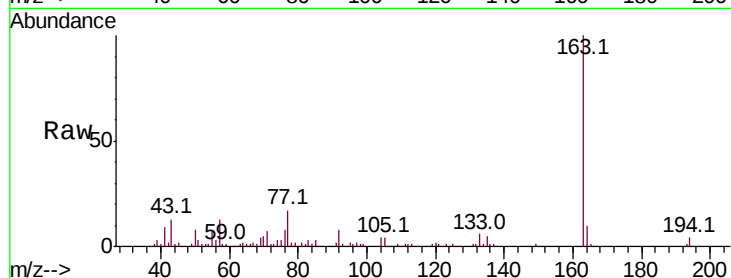
Tot Ion:163 Resp: 88899

Ion Ratio Lower Upper

163 100

194 4.2 3.0 4.6

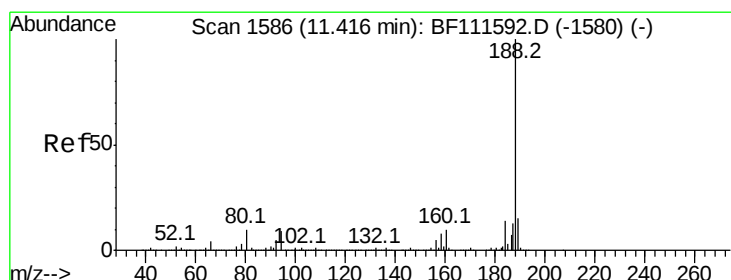
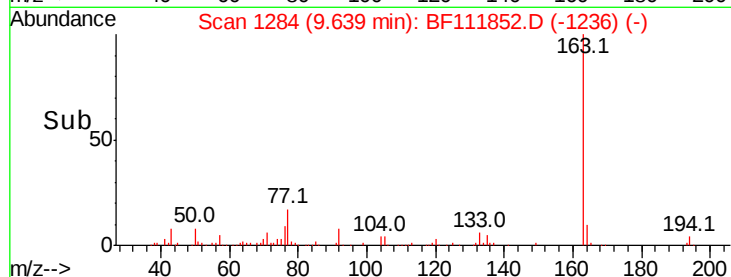
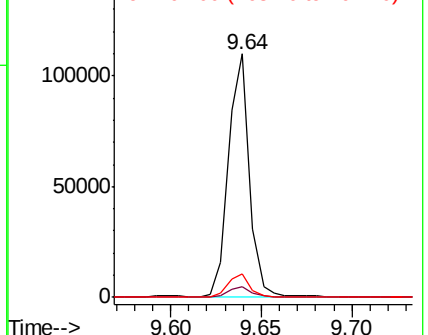
164 9.8 8.9 13.3



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF111852.D

Acq: 4 Jan 2019 18:41

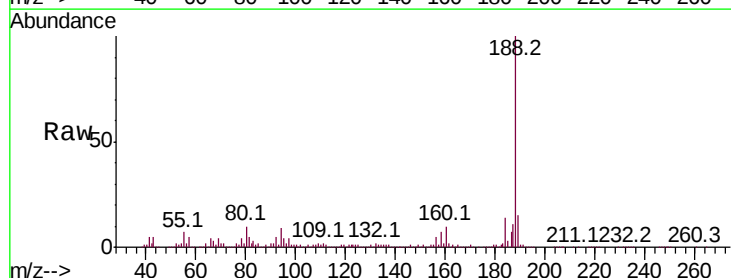
Tgt Ion:188 Resp: 364707

Ion Ratio Lower Upper

188 100

94 8.9 9.6 14.4#

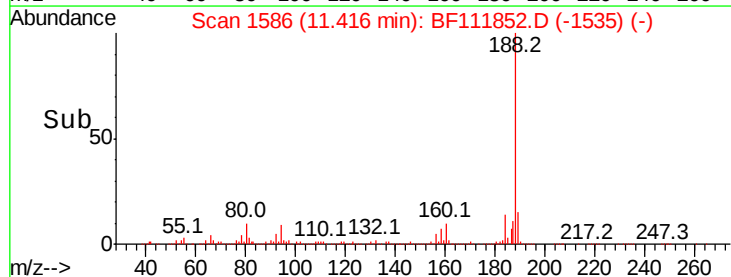
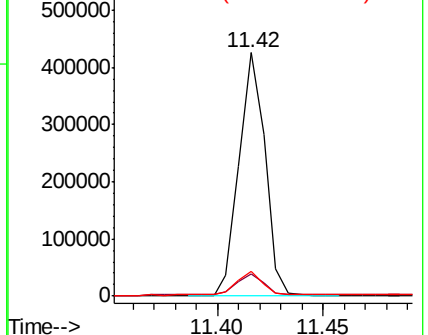
80 10.0 9.8 14.6

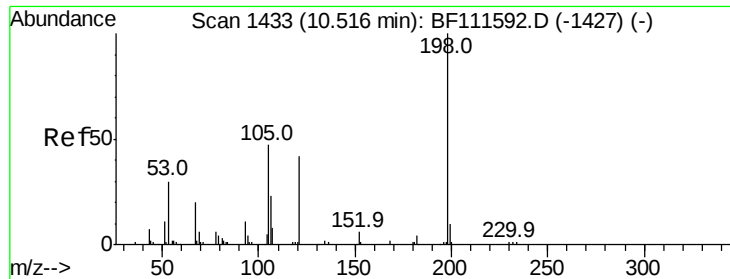


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

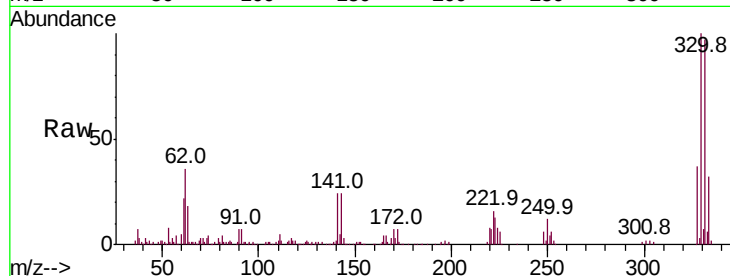




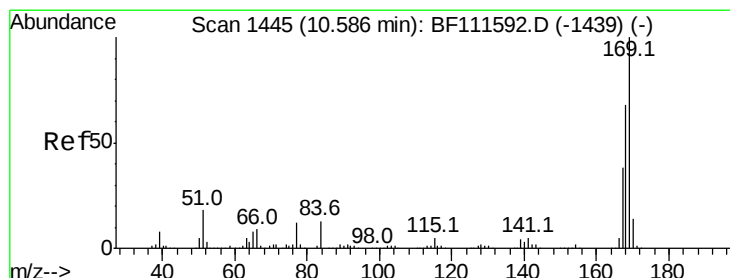
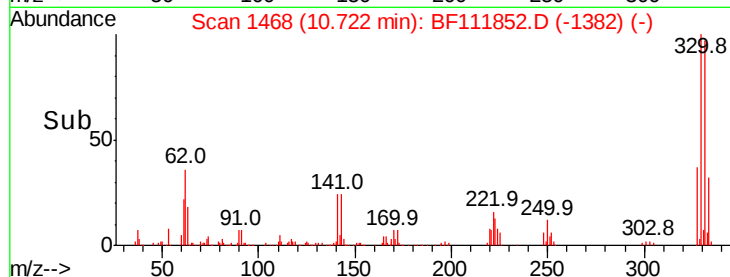
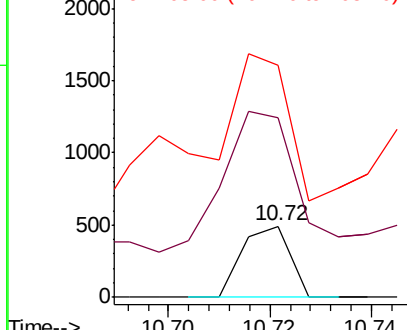
#65
4,6-Dinitro-2-methylphenol
Concen: 6.877 ng
RT: 10.72 min Scan# 1468
Delta R.T. 0.21 min
Lab File: BF111852.D
Acq: 4 Jan 2019 18:41

Instrument :
BNA_G
ClientSampleId :

Tot Ion:198 Resp: 322
Ion Ratio Lower Upper
198 100
51 252.0 48.0 88.0#
105 325.7 34.0 74.0#

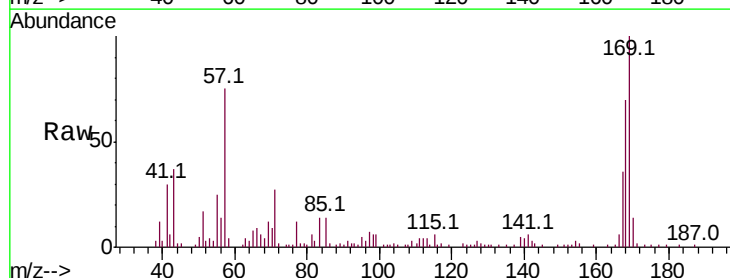


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

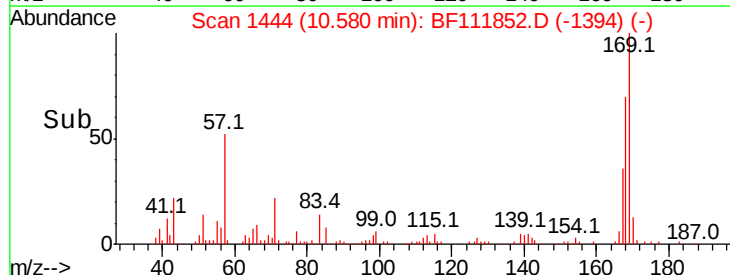
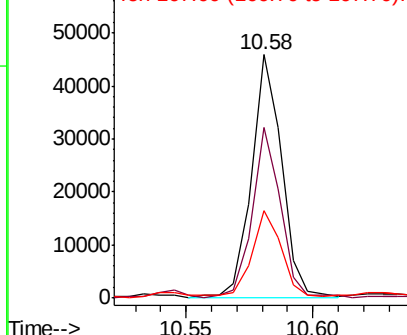


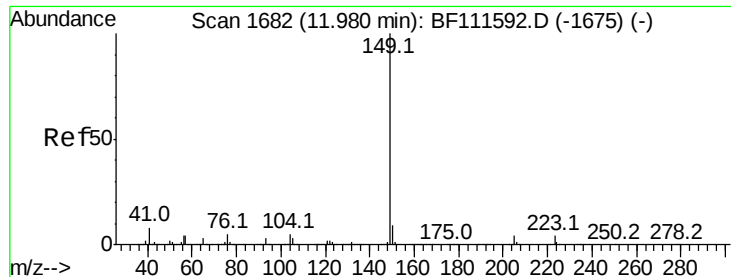
#66
n-Nitrosodiphenylamine
Concen: 3.145 ng
RT: 10.58 min Scan# 1444
Delta R.T. -0.01 min
Lab File: BF111852.D
Acq: 4 Jan 2019 18:41

Tgt Ion:169 Resp: 38500
Ion Ratio Lower Upper
169 100
168 70.1 54.4 81.6
167 35.8 30.5 45.7



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





#74

Di-n-butylphthalate

Concen: 3.521 ng

RT: 11.97 min Scan# 1681

Delta R.T. -0.01 min

Lab File: BF111852.D

Acq: 4 Jan 2019 18:41

Instrument :

BNA_G

ClientSampleId :

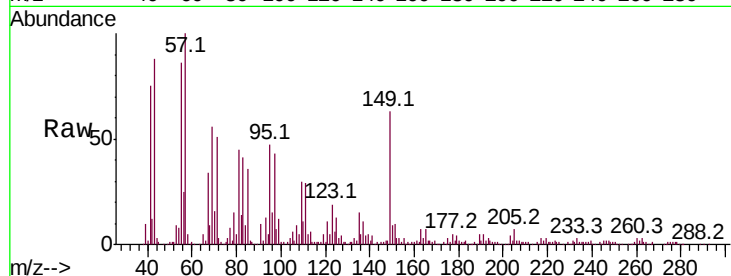
Tot Ion:149 Resp: 74418

Ion Ratio Lower Upper

149 100

150 14.4 8.8 13.2#

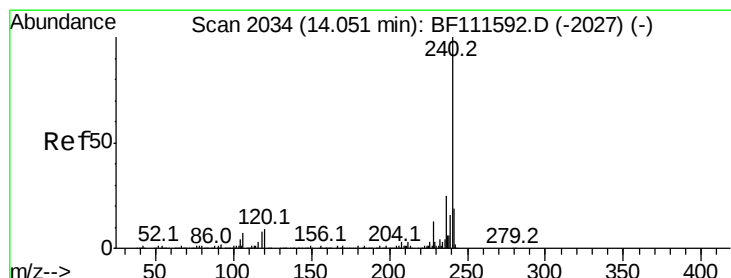
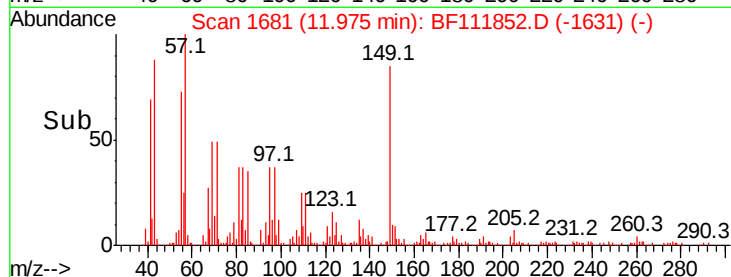
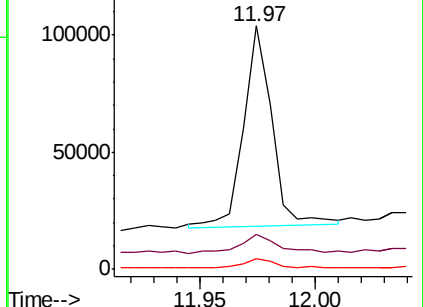
104 4.4 4.5 6.7#



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: 14.13 min Scan# 2047

Delta R.T. 0.08 min

Lab File: BF111852.D

Acq: 4 Jan 2019 18:41

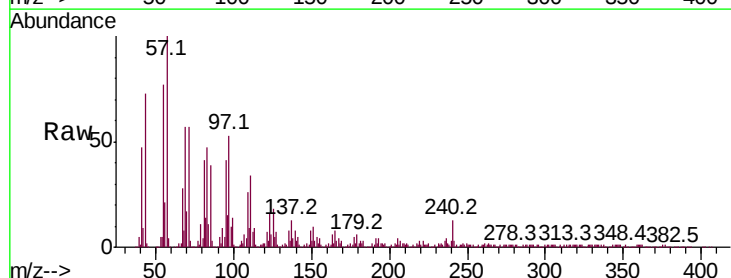
Tgt Ion:240 Resp: 175226

Ion Ratio Lower Upper

240 100

120 13.7 12.2 18.2

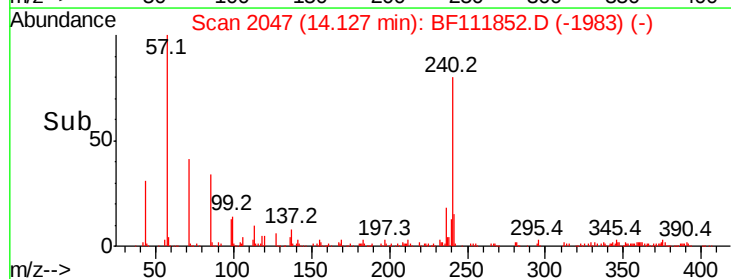
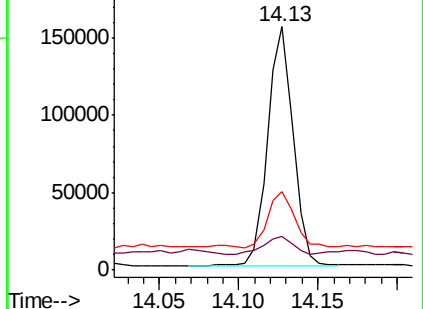
236 32.0 20.2 30.2#

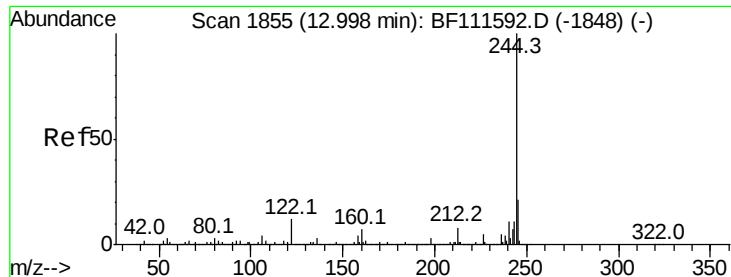


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#79

Terphenyl-d14

Concen: 80.074 ng

RT: 13.03 min Scan# 1860

Delta R.T. 0.03 min

Lab File: BF111852.D

Acq: 4 Jan 2019 18:41

Instrument :

BNA_G

ClientSampled :

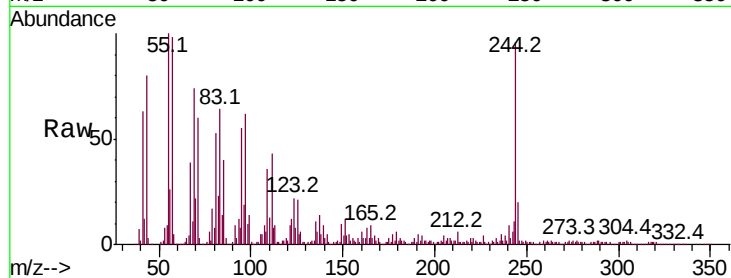
Tot Ion:244 Resp: 739867

Ion Ratio Lower Upper

244 100

212 6.3 5.7 8.5

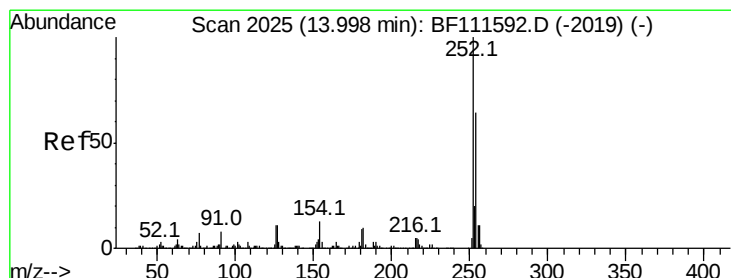
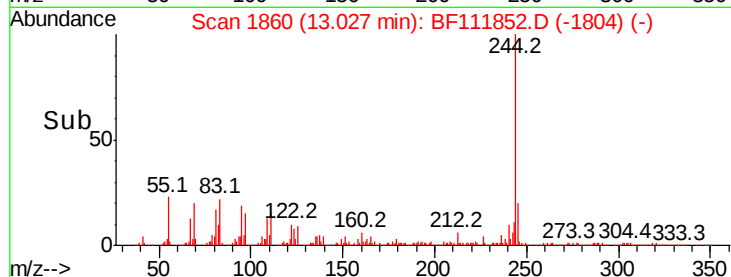
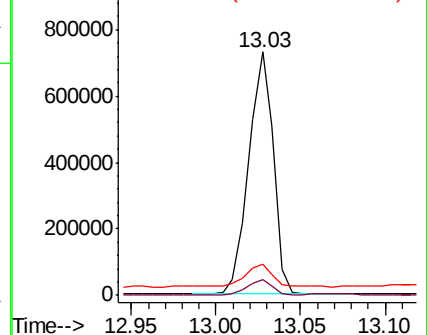
122 12.9 13.1 19.7#



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



#82

3,3'-Dichlorobenzidine

Concen: 3.434 ng

RT: 14.11 min Scan# 2044

Delta R.T. 0.11 min

Lab File: BF111852.D

Acq: 4 Jan 2019 18:41

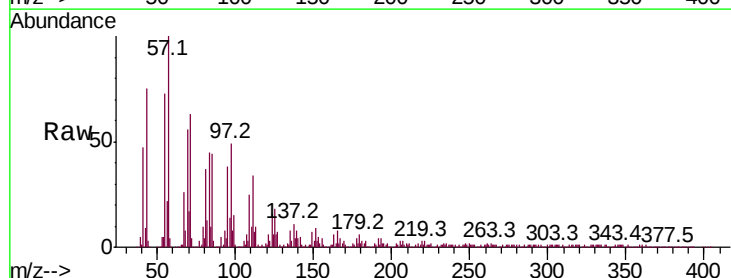
Tgt Ion:252 Resp: 13570

Ion Ratio Lower Upper

252 100

254 28.1 52.7 79.1#

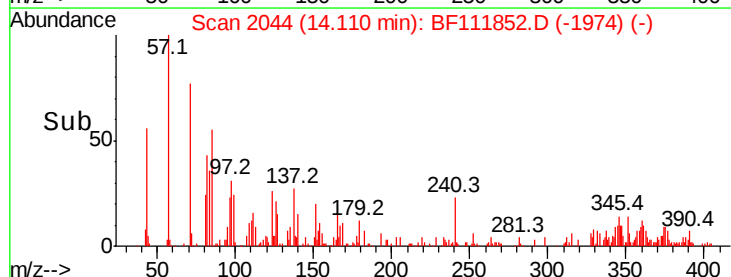
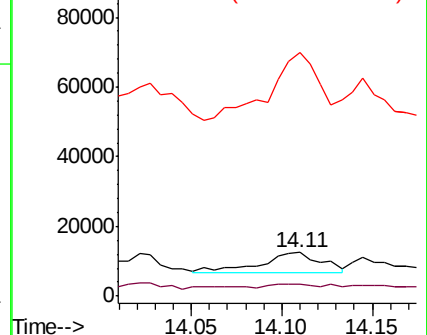
126 561.1 11.1 16.7#

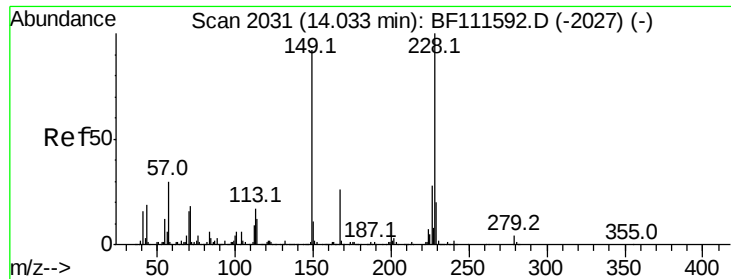


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 254.00 (253.70 to 254.70): E

Ion 126.00 (125.70 to 126.70): E





#84

Bis(2-ethylhexyl)phthalate

Concen: 10.182 ng

RT: 14.09 min Scan# 2041

Delta R.T. 0.06 min

Lab File: BF111852.D

Acq: 4 Jan 2019 18:41

Instrument :

BNA_G

ClientSampleId :

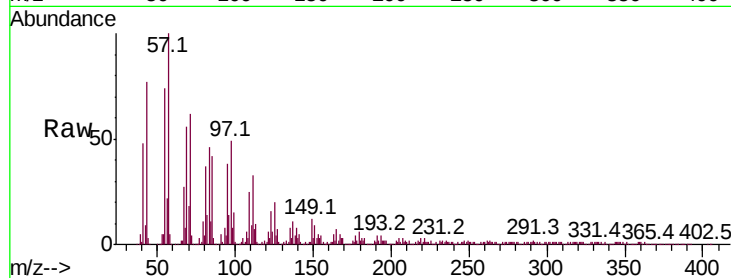
Tot Ion:149 Resp: 64689

Ion Ratio Lower Upper

149 100

167 42.1 22.5 33.7#

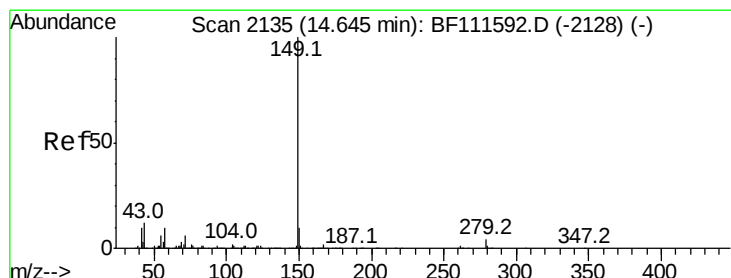
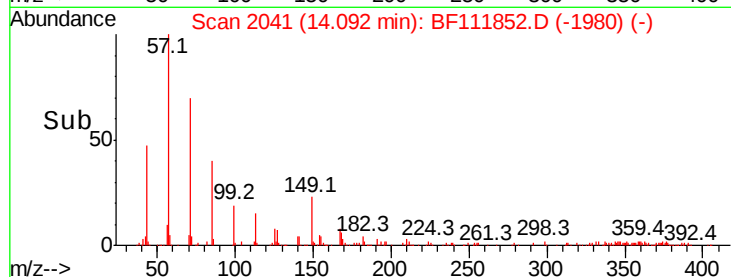
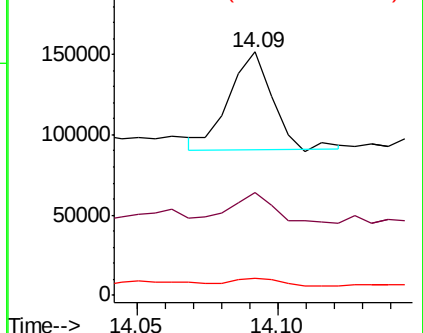
279 7.1 2.6 4.0#



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: 32.378 ng

RT: 14.76 min Scan# 2154

Delta R.T. 0.11 min

Lab File: BF111852.D

Acq: 4 Jan 2019 18:41

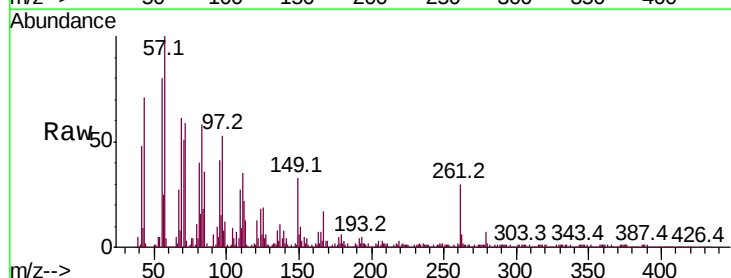
Tgt Ion:149 Resp: 318719

Ion Ratio Lower Upper

149 100

167 52.5 1.3 1.9#

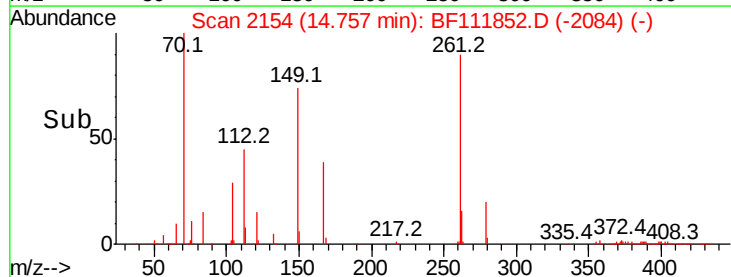
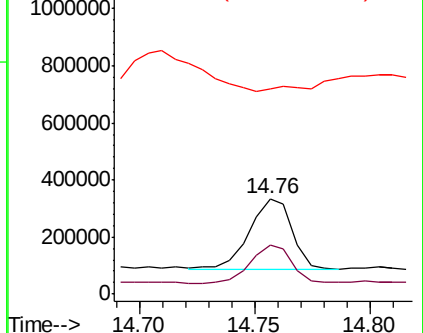
43 0.0 10.9 16.3#

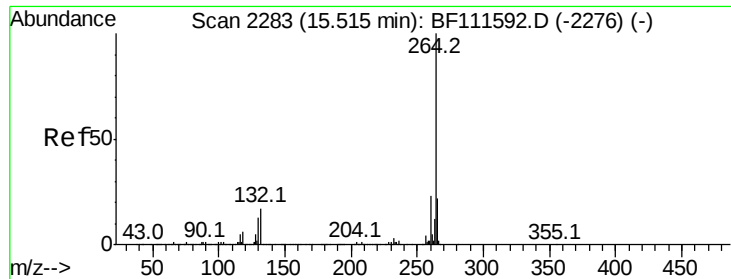


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 43.00 (42.70 to 43.70): BF1

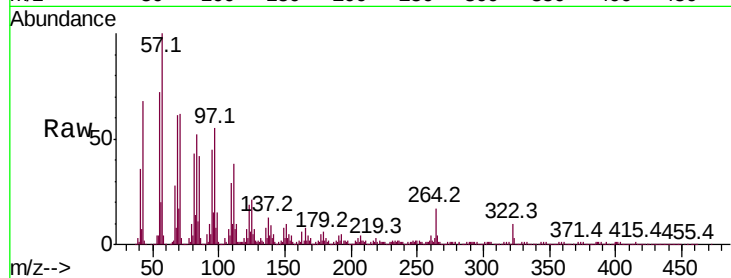




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.64 min Scan# 2305
 Delta R.T. 0.13 min
 Lab File: BF111852.D
 Acq: 4 Jan 2019 18:41

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	24.4	18.3	27.5
265	23.9	17.7	26.5



Abundance

Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

