

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010419\
 Data File : BF111857.D
 Acq On : 4 Jan 2019 20:57
 Operator : JU/SJ
 Sample : K1036-04
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 04 23:32:50 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

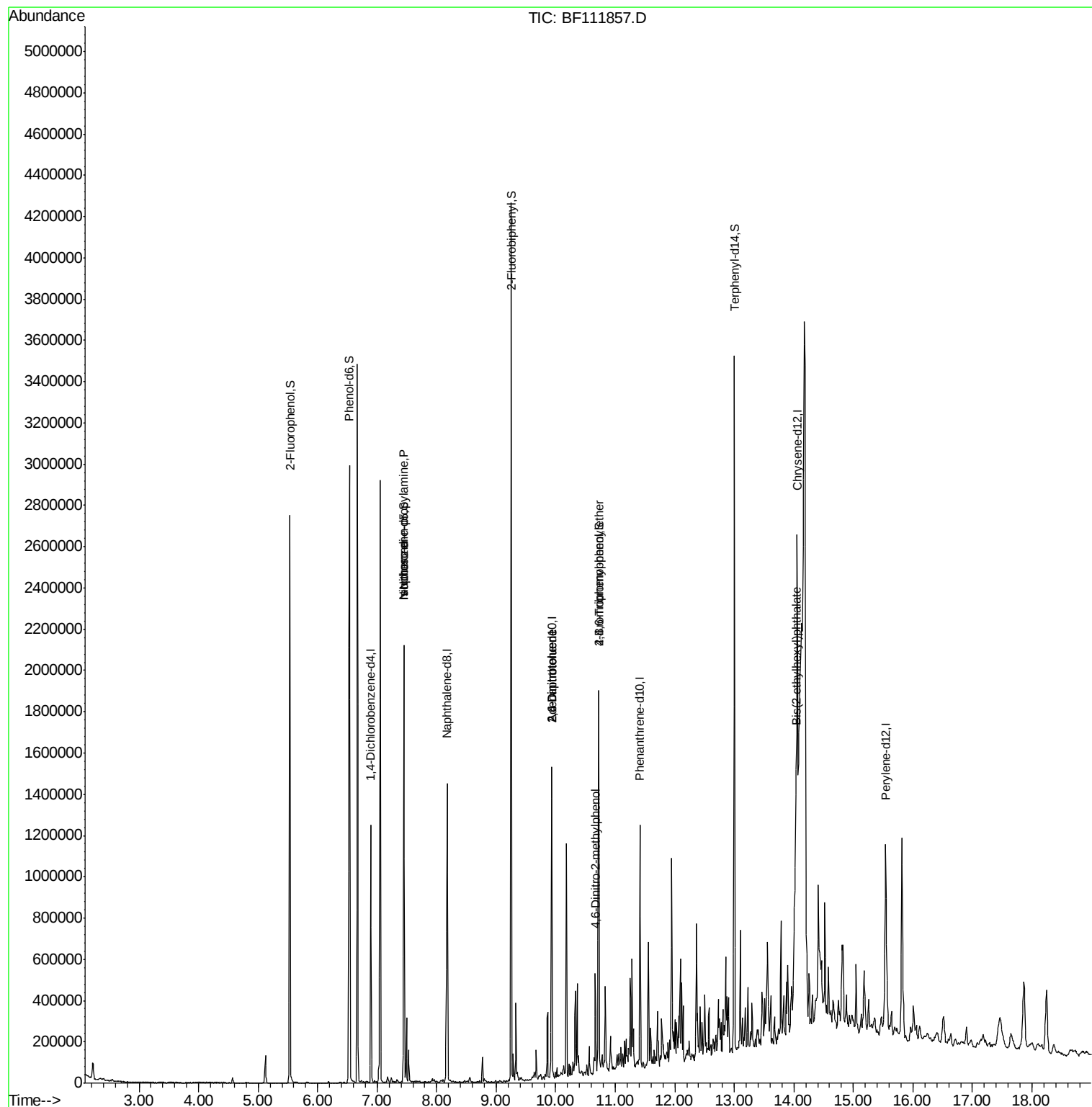
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	166170	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	601459	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	271937	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	388394	20.00	ng	0.00
76) Chrysene-d12	14.06	240	422328	20.00	ng	0.00
87) Perylene-d12	15.54	264	313829	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	786885	80.72	ng	0.02
7) Phenol-d6	6.53	99	1014670	81.78	ng	0.01
23) Nitrobenzene-d5	7.45	82	647171	62.63	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	234848	73.09	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1227782	65.81	ng	0.00
79) Terphenyl-d14	13.00	244	1171573	52.61	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.45	70	88723	10.768	ng	# 77
25) Isophorone	7.45	82	645284	35.177	ng	# 64
51) 2,6-Dinitrotoluene	9.93	165	34867	8.793	ng	# 30
57) 2,4-Dinitrotoluene	9.93	165	34867	7.316	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.66	198	439	6.928	ng	# 57
67) 4-Bromophenyl-phenylether	10.72	248	14659	3.043	ng	# 1
84) Bis(2-ethylhexyl)phthalate	14.03	149	59463	3.883	ng	# 85

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

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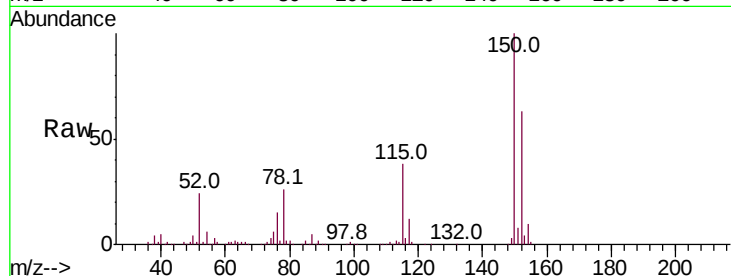


#1

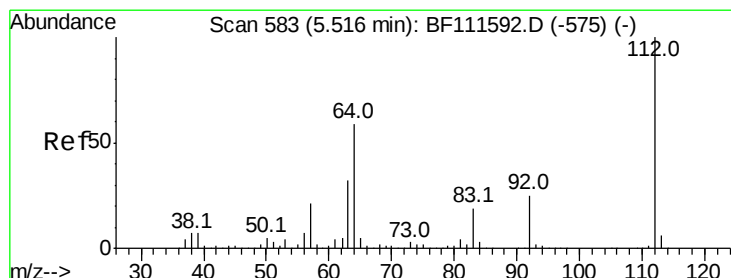
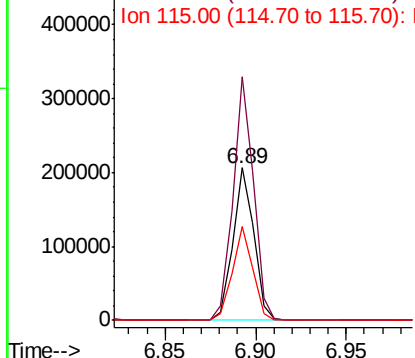
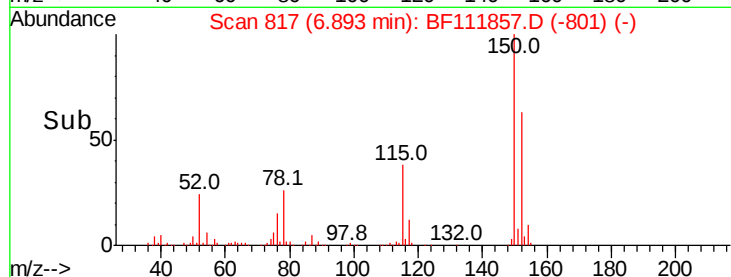
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF111857.D
Acq: 4 Jan 2019 20:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 166170
Ion Ratio Lower Upper
152 100
150 159.8 126.6 189.8
115 61.4 50.7 76.1



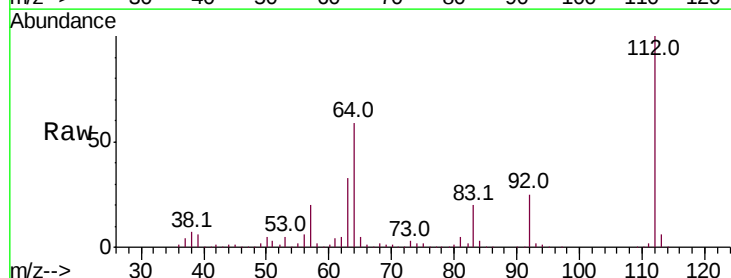
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



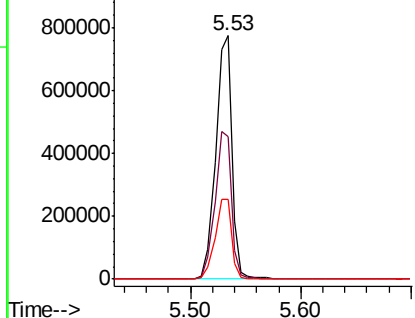
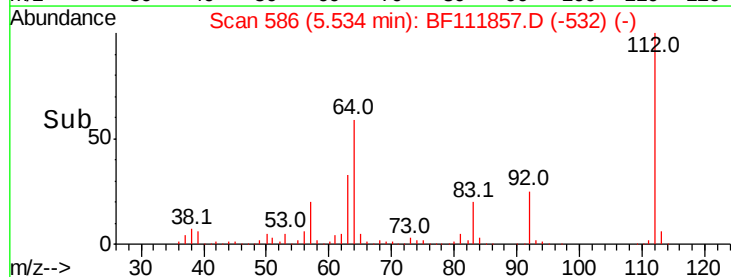
#5

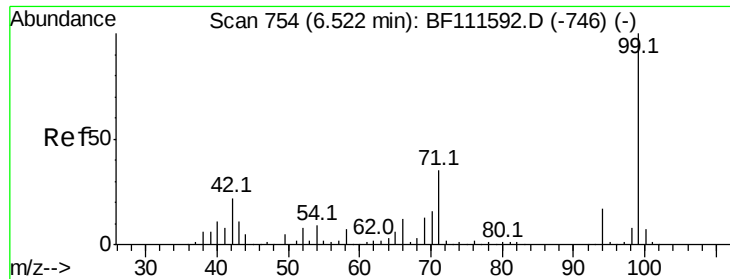
2-Fluorophenol
Concen: 80.717 ng
RT: 5.53 min Scan# 586
Delta R.T. 0.02 min
Lab File: BF111857.D
Acq: 4 Jan 2019 20:57

Tgt Ion:112 Resp: 786885
Ion Ratio Lower Upper
112 100
64 58.8 51.8 77.6
63 32.6 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: 81.784 ng

RT: 6.53 min Scan# 756

Delta R.T. 0.01 min

Lab File: BF111857.D

Acq: 4 Jan 2019 20:57

Instrument :

BNA_G

ClientSampled :

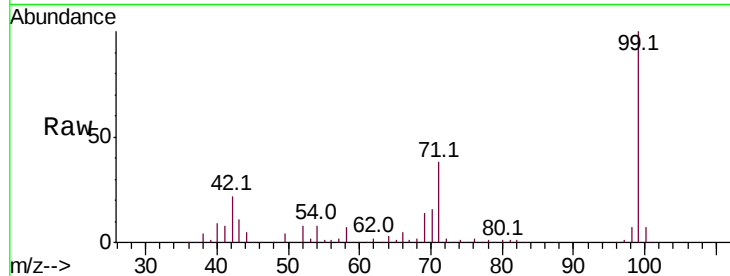
Tot Ion: 99 Resp: 1014670

Ion Ratio Lower Upper

99 100

42 22.0 17.4 26.0

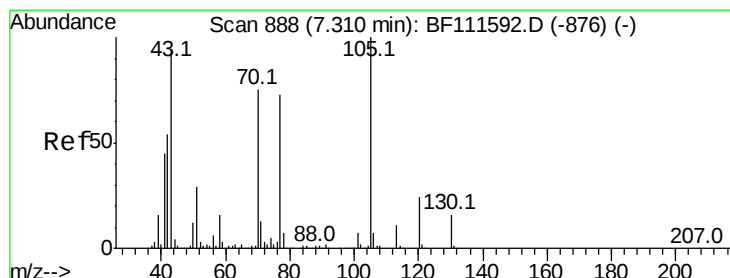
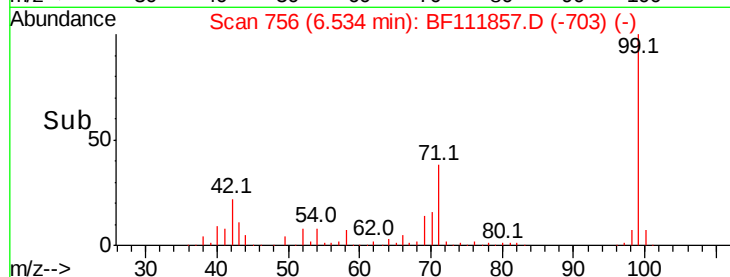
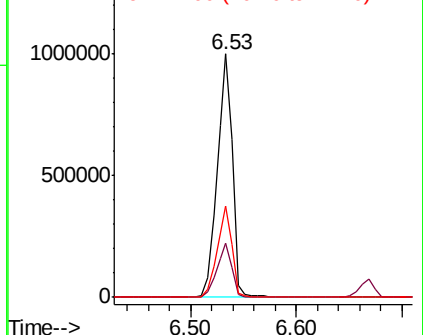
71 37.7 26.1 39.1



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.768 ng

RT: 7.45 min Scan# 912

Delta R.T. 0.14 min

Lab File: BF111857.D

Acq: 4 Jan 2019 20:57

Tgt Ion: 70 Resp: 88723

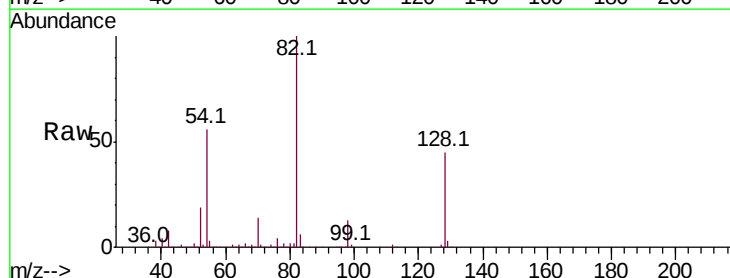
Ion Ratio Lower Upper

70 100

42 54.7 53.2 79.8

101 0.0 8.2 12.4#

130 1.9 18.1 27.1#

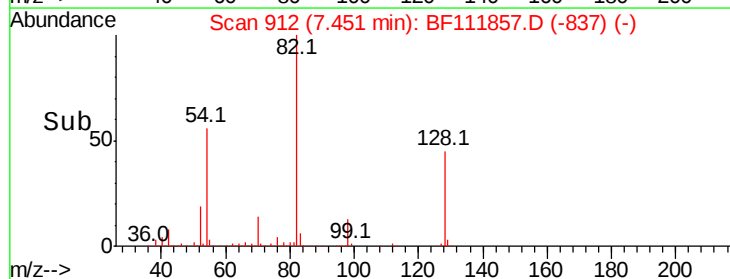
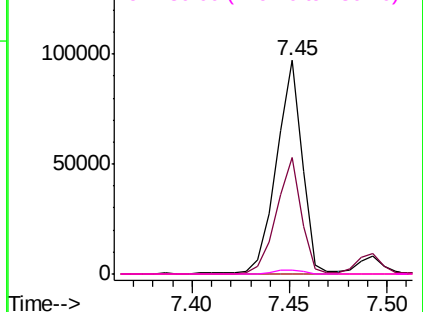


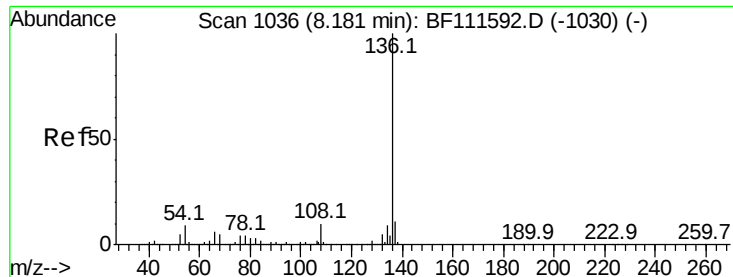
Abundance Ion 70.00 (69.70 to 70.70): BF1

Ion 42.00 (41.70 to 42.70): BF1

Ion 101.00 (100.70 to 101.70): BF1

Ion 130.00 (129.70 to 130.70): BF1

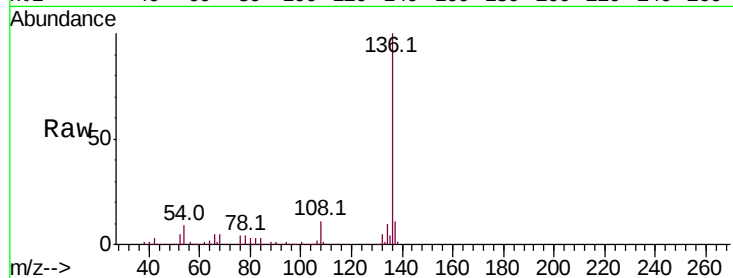




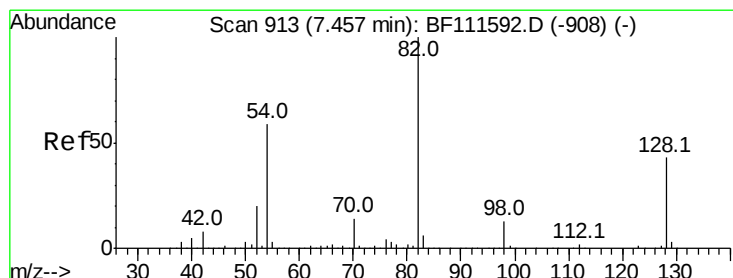
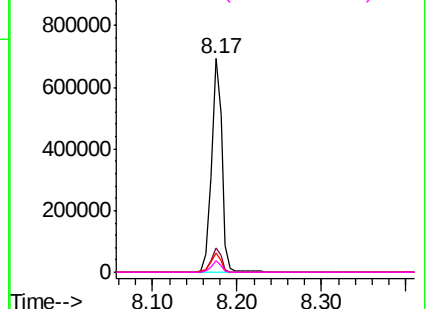
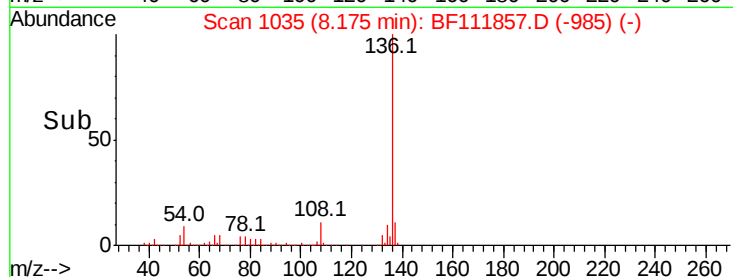
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.17 min Scan# 1035
Delta R.T. -0.01 min
Lab File: BF111857.D
Acq: 4 Jan 2019 20:57

Instrument :
BNA_G
ClientSampleId :

Tot Ion:136	Resp: 601459
Ion Ratio	Lower Upper
136 100	
137 11.2	9.1 13.7
54 9.3	7.7 11.5
68 5.3	4.9 7.3

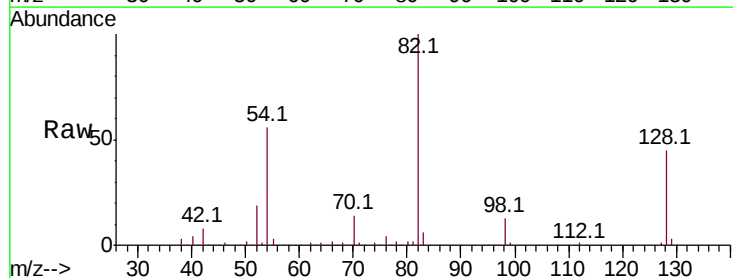


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

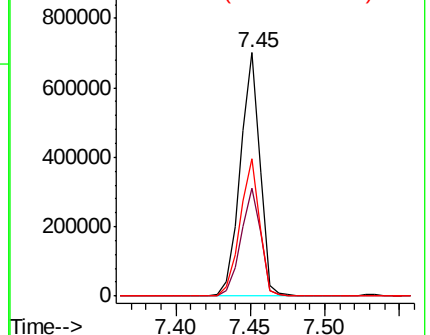
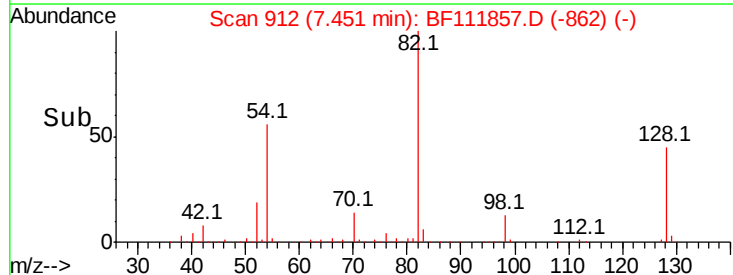


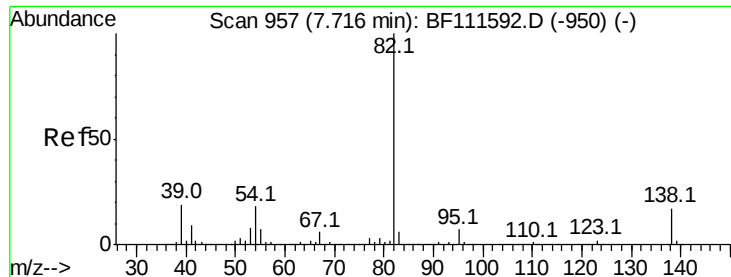
#23
Nitrobenzene-d5
Concen: 62.632 ng
RT: 7.45 min Scan# 912
Delta R.T. -0.01 min
Lab File: BF111857.D
Acq: 4 Jan 2019 20:57

Tgt Ion: 82	Resp: 647171
Ion Ratio	Lower Upper
82 100	
128 44.5	37.4 56.2
54 56.3	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: 35.177 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF111857.D

Acq: 4 Jan 2019 20:57

Instrument :

BNA_G

ClientSampled :

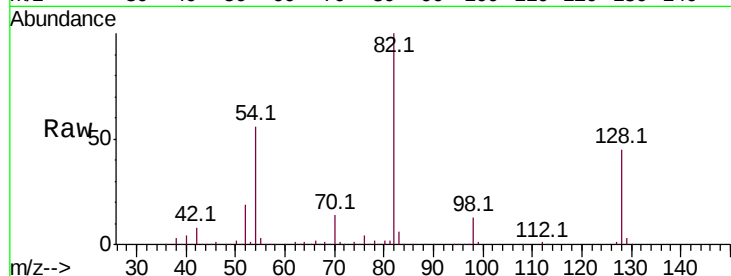
Tot Ion: 82 Resp: 645284

Ion Ratio Lower Upper

82 100

95 0.0 5.4 8.2#

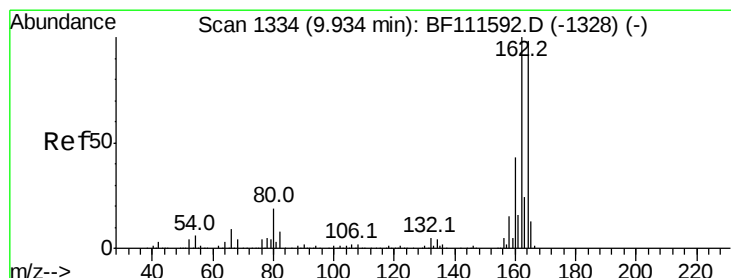
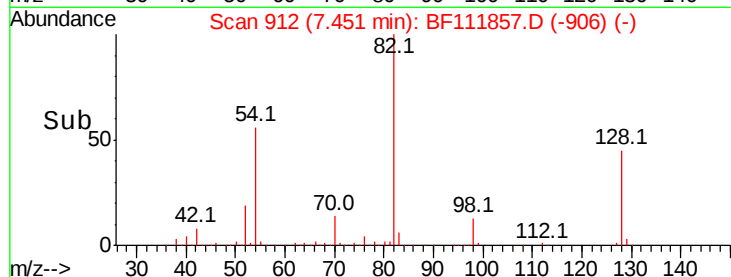
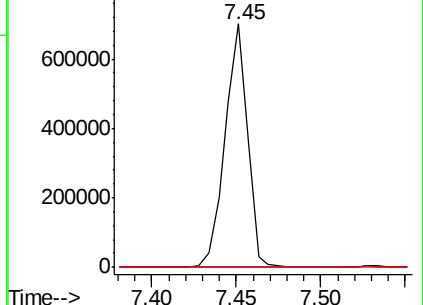
138 0.0 15.1 22.7#



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# 1334

Delta R.T. -0.00 min

Lab File: BF111857.D

Acq: 4 Jan 2019 20:57

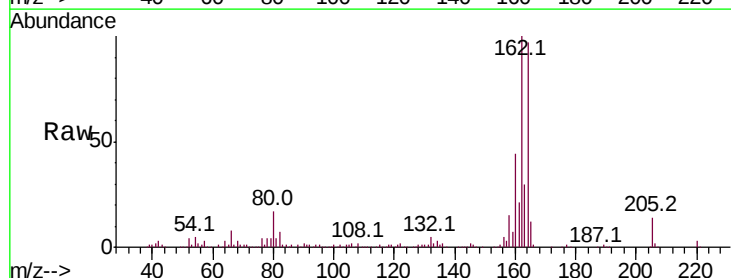
Tgt Ion:164 Resp: 271937

Ion Ratio Lower Upper

164 100

162 103.5 81.4 122.0

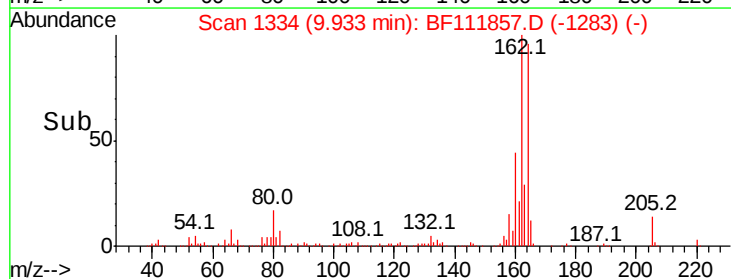
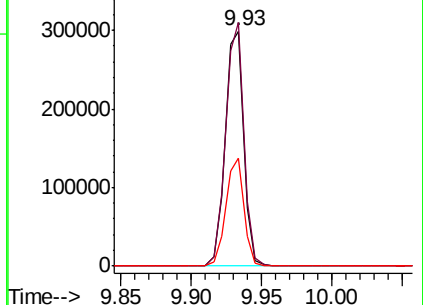
160 45.7 35.7 53.5

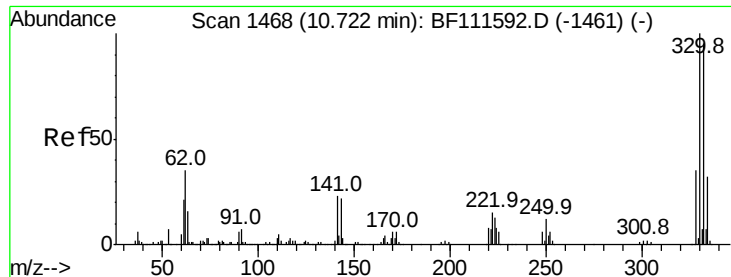


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

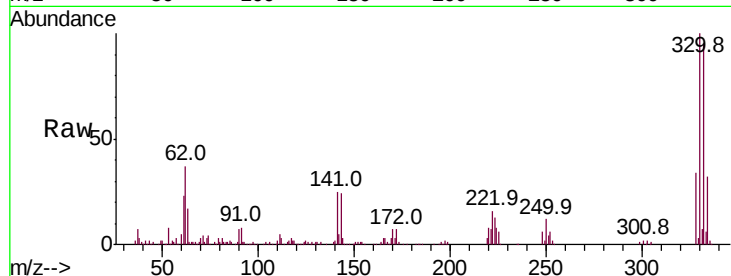




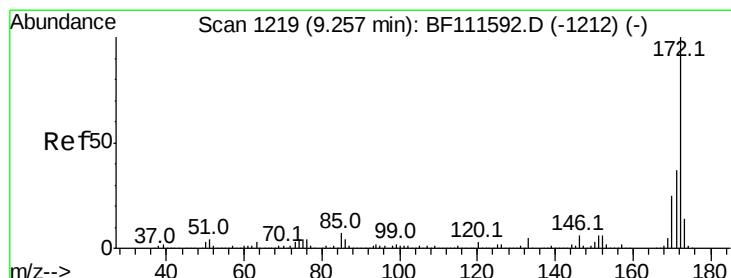
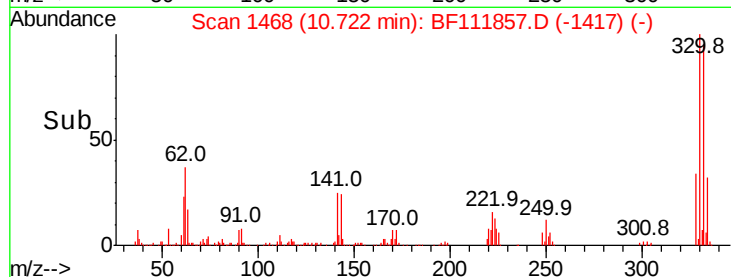
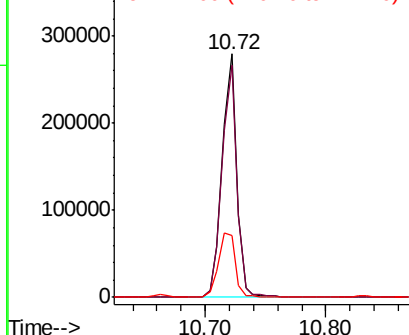
#42
 2,4,6-Tribromophenol
 Concen: 73.090 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. -0.00 min
 Lab File: BF111857.D
 Acq: 4 Jan 2019 20:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	96.6	76.0	114.0
141	30.4	31.0	46.6#

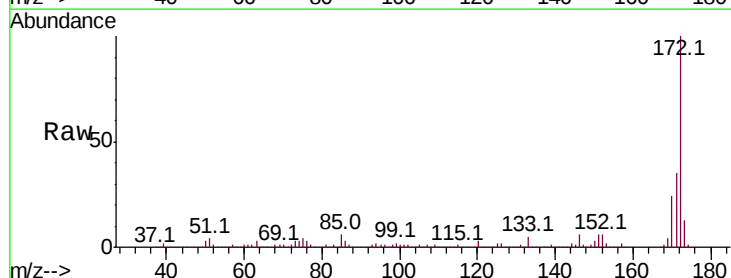


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

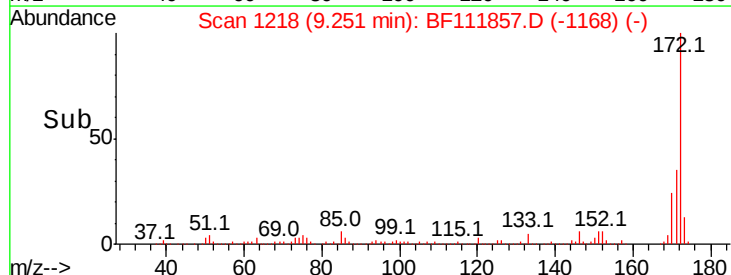
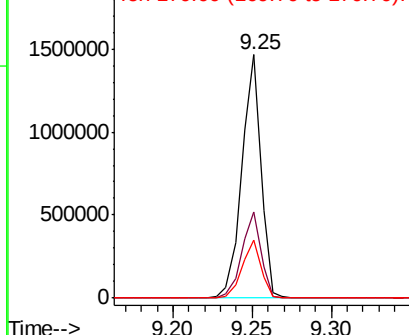


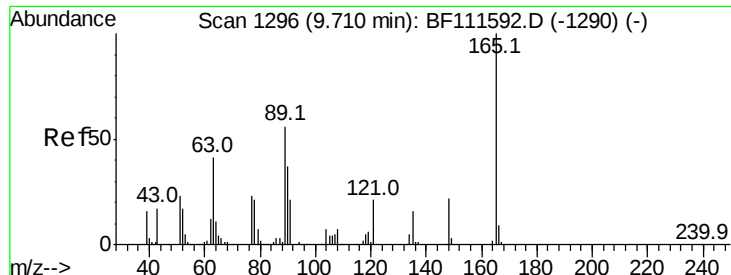
#45
 2-Fluorobiphenyl
 Concen: 65.809 ng
 RT: 9.25 min Scan# 1218
 Delta R.T. -0.01 min
 Lab File: BF111857.D
 Acq: 4 Jan 2019 20:57

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.4	33.0	49.4
170	23.6	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





#51

2,6-Dinitrotoluene

Concen: 8.793 ng

RT: 9.93 min Scan# 1333

Delta R.T. 0.22 min

Lab File: BF111857.D

Acq: 4 Jan 2019 20:57

Instrument :

BNA_G

ClientSampleId :

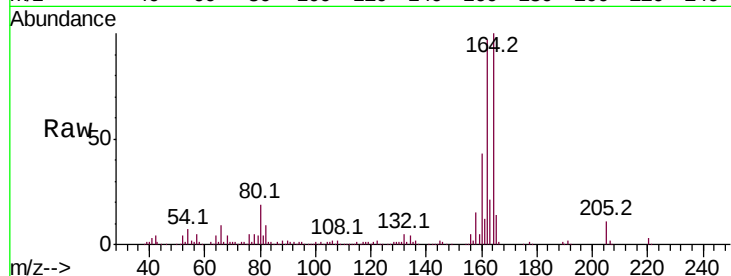
Tot Ion:165 Resp: 34867

Ion Ratio Lower Upper

165 100

63 2.1 40.5 60.7#

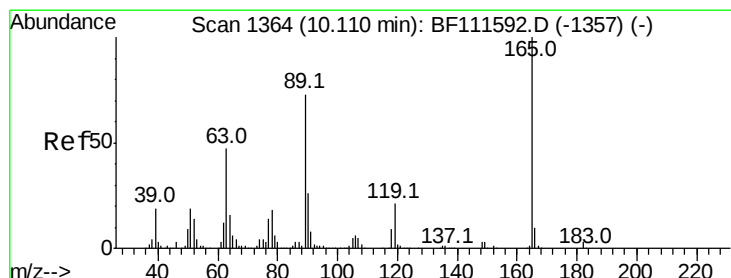
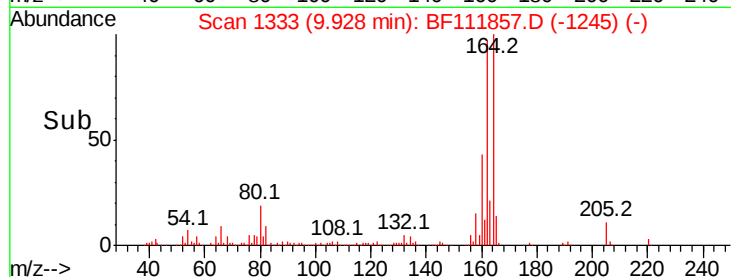
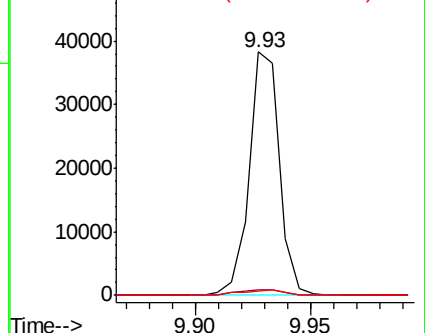
89 1.8 40.0 60.0#



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



#57

2,4-Dinitrotoluene

Concen: 7.316 ng

RT: 9.93 min Scan# 1333

Delta R.T. -0.18 min

Lab File: BF111857.D

Acq: 4 Jan 2019 20:57

Tgt Ion:165 Resp: 34867

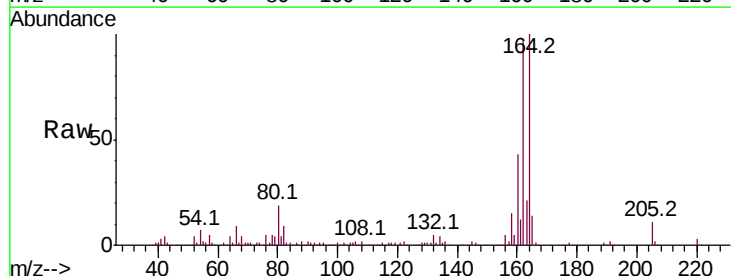
Ion Ratio Lower Upper

165 100

63 2.1 34.6 52.0#

89 1.8 56.2 84.4#

182 0.0 1.8 2.6#

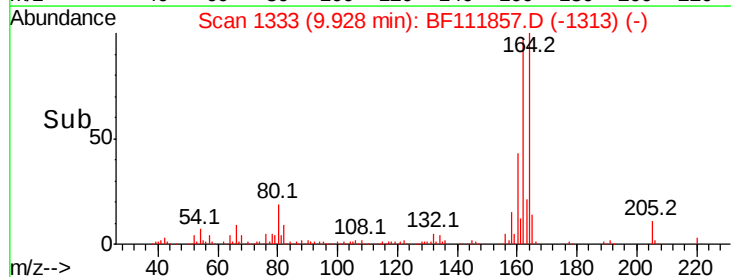
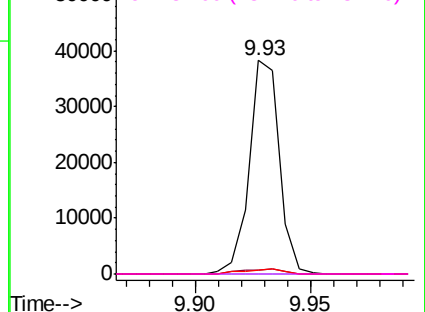


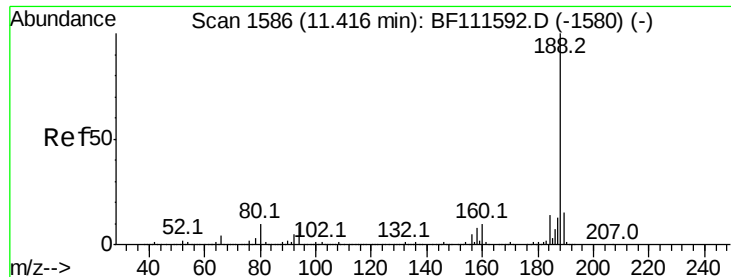
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF1

Ion 89.00 (88.70 to 89.70): BF1

Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.42 min Scan# 1586

Delta R.T. -0.00 min

Lab File: BF111857.D

Acq: 4 Jan 2019 20:57

Instrument :

BNA_G

ClientSampleId :

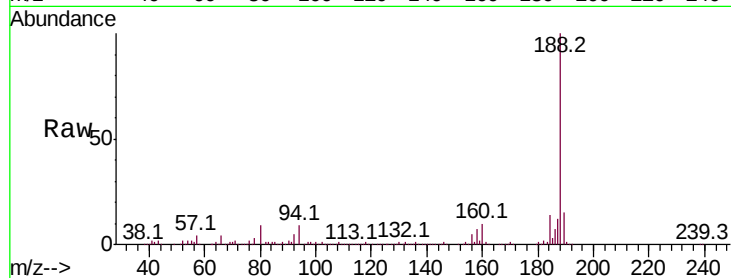
Tot Ion:188 Resp: 388394

Ion Ratio Lower Upper

188 100

94 8.8 9.6 14.4#

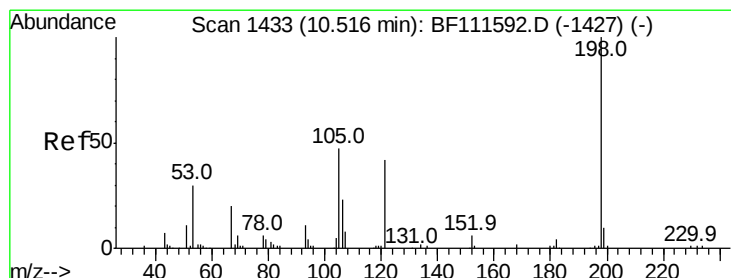
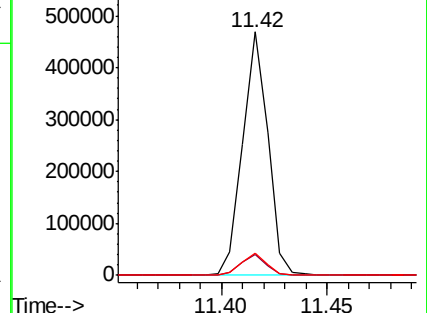
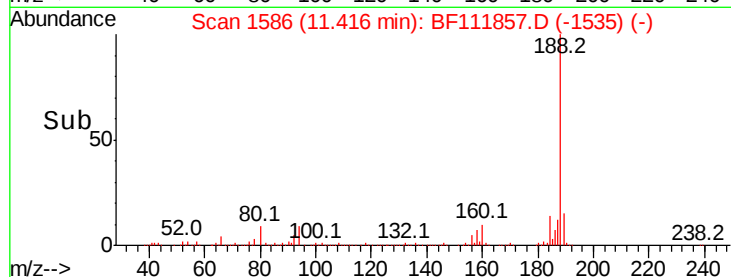
80 9.2 9.8 14.6#



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: 6.928 ng

RT: 10.66 min Scan# 1458

Delta R.T. 0.15 min

Lab File: BF111857.D

Acq: 4 Jan 2019 20:57

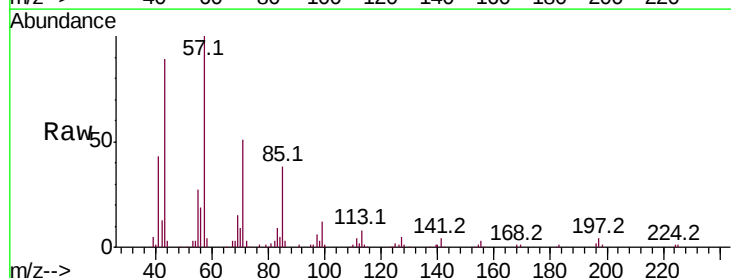
Tgt Ion:198 Resp: 439

Ion Ratio Lower Upper

198 100

51 54.1 48.0 88.0

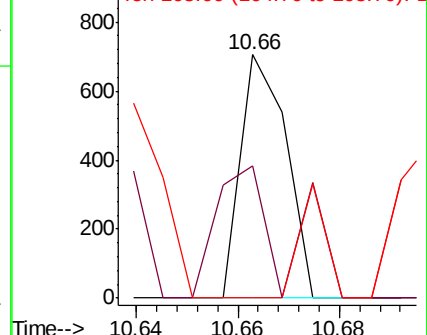
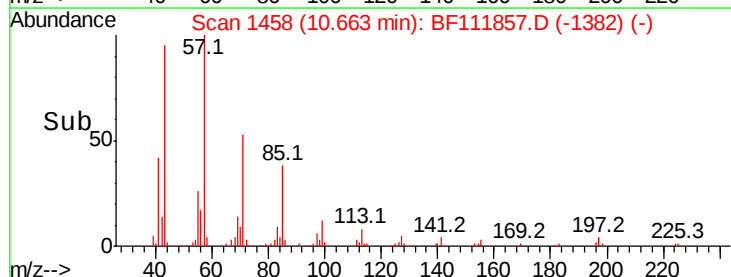
105 0.0 34.0 74.0#

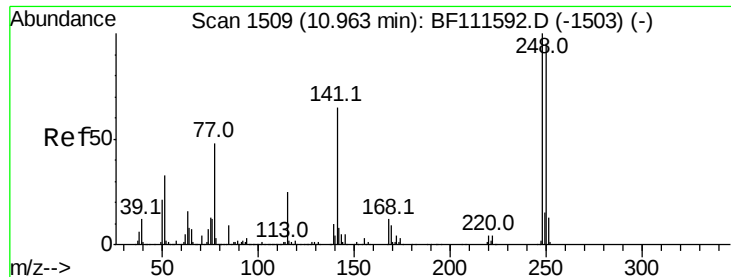


Abundance Ion 198.00 (197.70 to 198.70): E

Ion 51.00 (50.70 to 51.70): BF1

Ion 105.00 (104.70 to 105.70): E

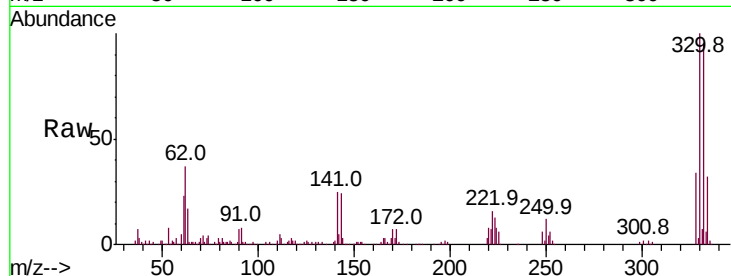




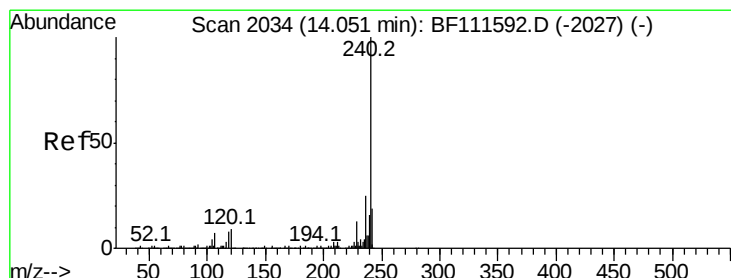
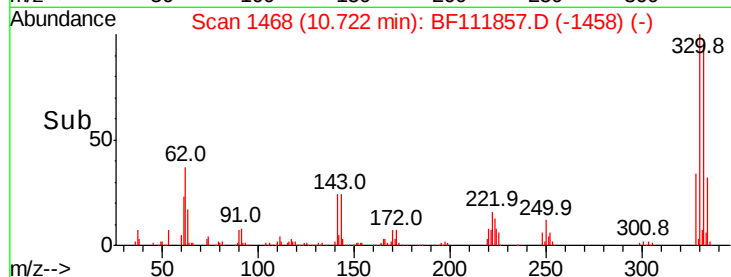
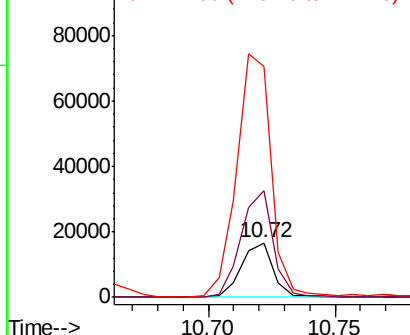
#67
4-Bromophenyl-phenylether
Concen: 3.043 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.24 min
Lab File: BF111857.D
Acq: 4 Jan 2019 20:57

Instrument :
BNA_G
ClientSampled :

Tot Ion:248 Resp: 14659
Ion Ratio Lower Upper
248 100
250 193.9 77.0 115.4#
141 421.0 63.0 94.6#

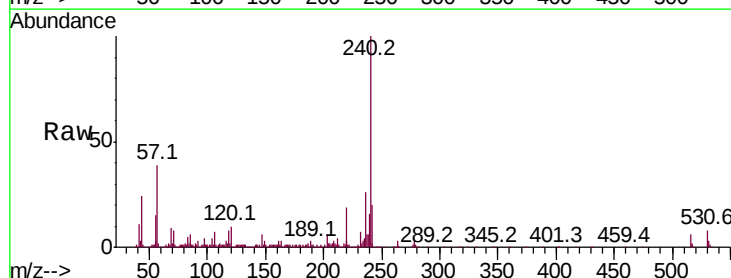


Abundance Ion 248.00 (247.70 to 248.70): E
Ion 250.00 (249.70 to 250.70): E
Ion 141.00 (140.70 to 141.70): E

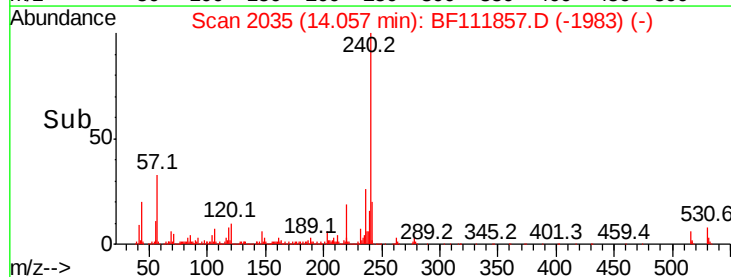
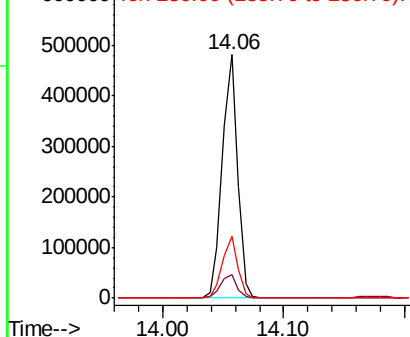


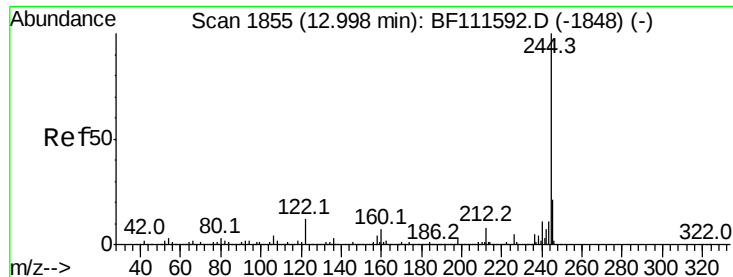
#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.06 min Scan# 2035
Delta R.T. 0.01 min
Lab File: BF111857.D
Acq: 4 Jan 2019 20:57

Tgt Ion:240 Resp: 422328
Ion Ratio Lower Upper
240 100
120 9.9 12.2 18.2#
236 25.5 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: 52.608 ng

RT: 13.00 min Scan# 1855

Delta R.T. -0.00 min

Lab File: BF111857.D

Acq: 4 Jan 2019 20:57

Instrument :

BNA_G

ClientSampleId :

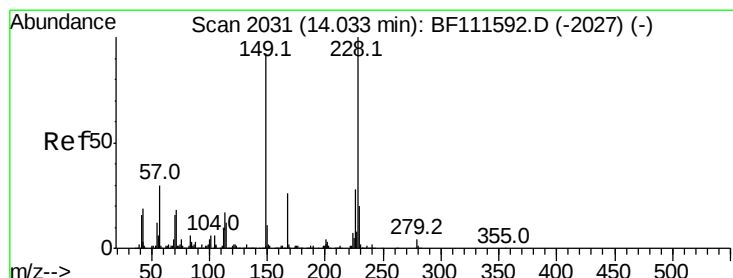
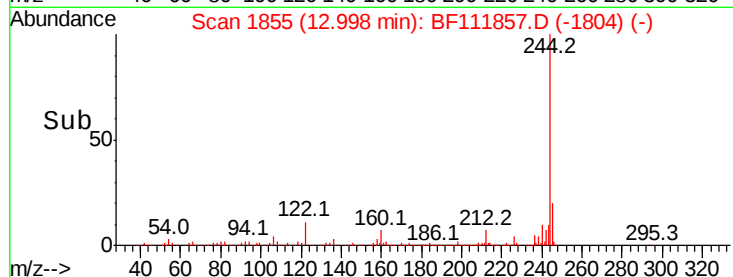
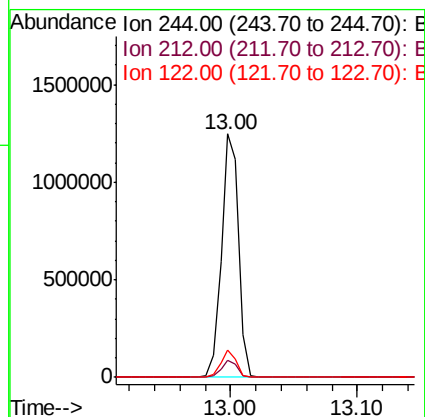
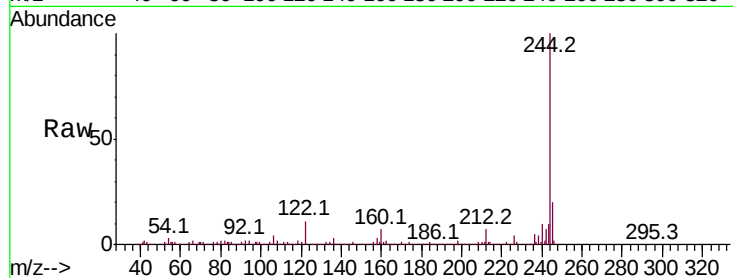
Tot Ion:244 Resp: 1171573

Ion Ratio Lower Upper

244 100

212 6.8 5.7 8.5

122 11.2 13.1 19.7#



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.883 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BF111857.D

Acq: 4 Jan 2019 20:57

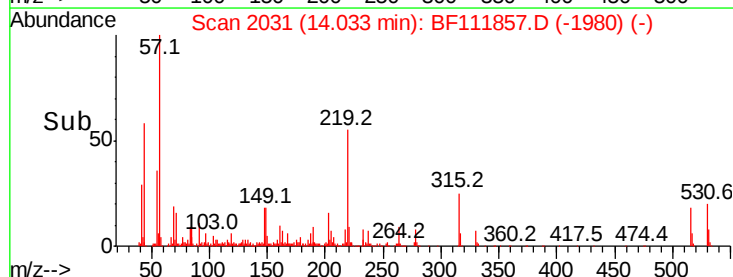
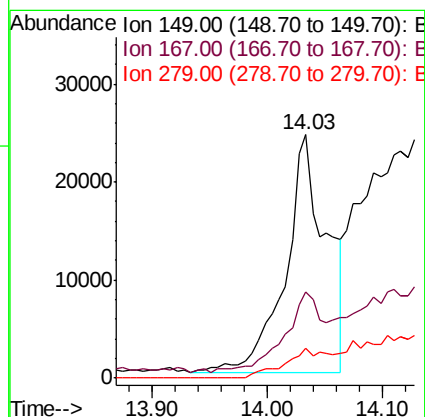
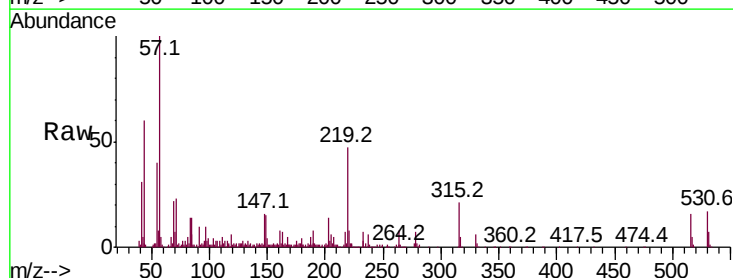
Tgt Ion:149 Resp: 59463

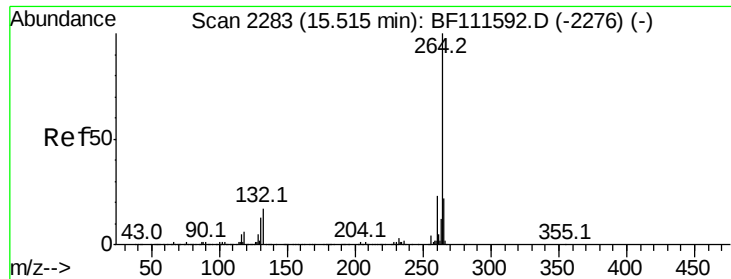
Ion Ratio Lower Upper

149 100

167 35.5 22.5 33.7#

279 12.2 2.6 4.0#

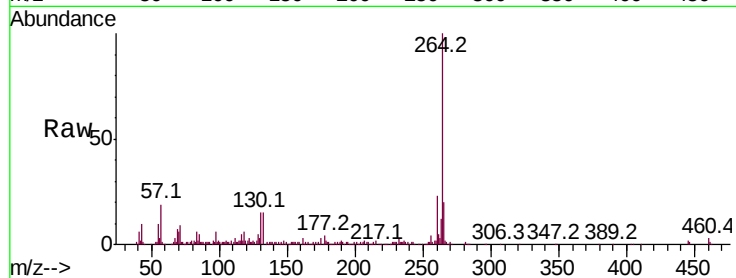




#87
 Pervlene-d12
 Concen: 20.000 ng
 RT: 15.54 min Scan# 2287
 Delta R.T. 0.02 min
 Lab File: BF111857.D
 Acq: 4 Jan 2019 20:57

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.2	18.3	27.5
265	20.4	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

