

Data Path : Z:\SVOASRV\HPCHEM1\BNA F\DATA\BF010419\
 Data File : BF111865.D
 Acq On : 5 Jan 2019 00:35
 Operator : JU/SJ
 Sample : K1036-20
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 05 02:56:13 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

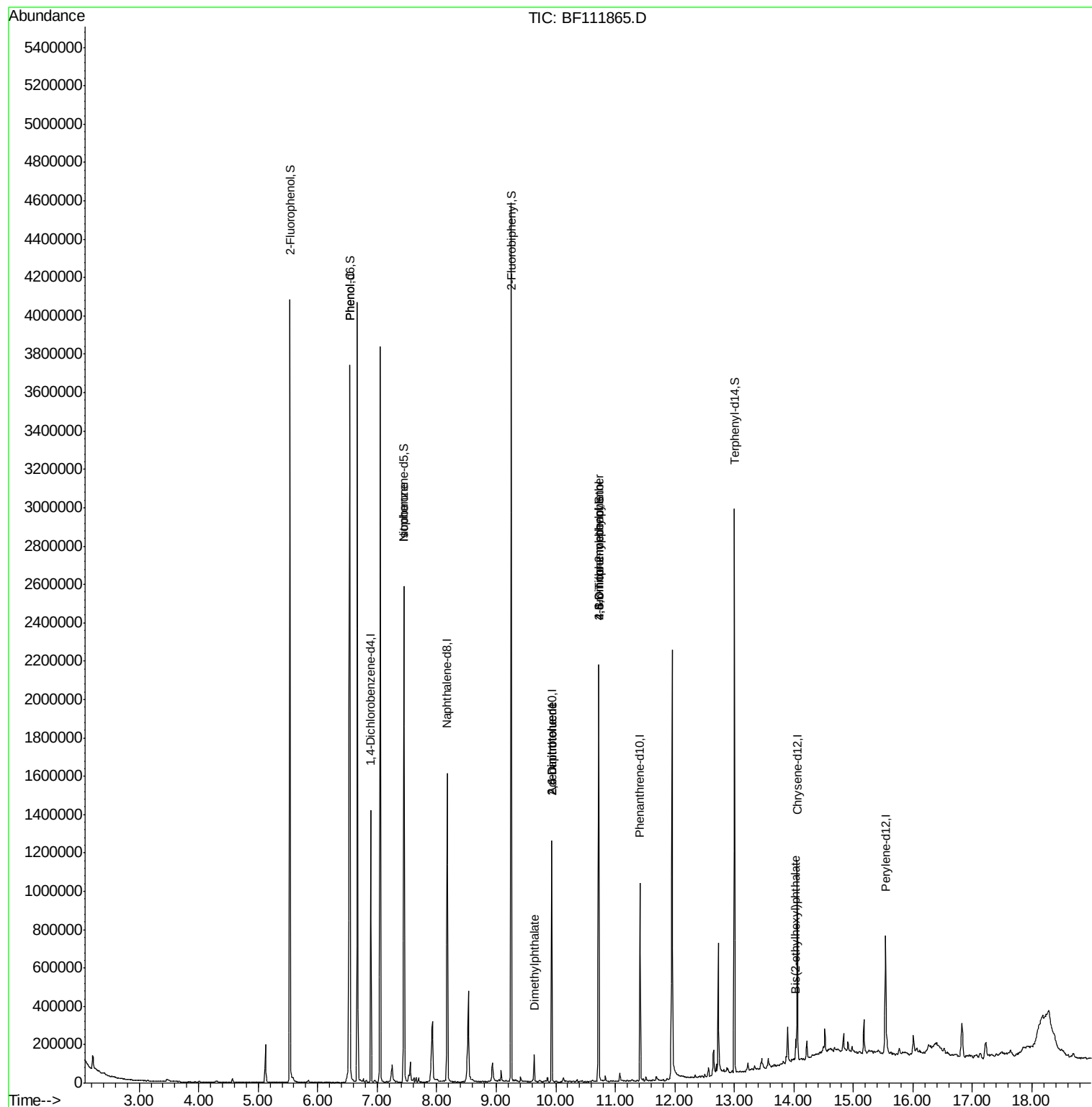
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.89	152	191320	20.00	ng	0.00
21) Naphthalene-d8	8.17	136	676531	20.00	ng	0.00
39) Acenaphthene-d10	9.93	164	248422	20.00	ng	0.00
64) Phenanthrene-d10	11.42	188	357944	20.00	ng	0.00
76) Chrysene-d12	14.06	240	346852	20.00	ng	0.00
87) Perylene-d12	15.54	264	280080	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.53	112	1045216	93.12	ng	0.02
7) Phenol-d6	6.54	99	1217293	85.22	ng	0.02
23) Nitrobenzene-d5	7.45	82	846858	72.86	ng	0.00
42) 2,4,6-Tribromophenol	10.72	330	262597	89.46	ng	0.00
45) 2-Fluorobiphenyl	9.25	172	1310529	76.89	ng	0.00
79) Terphenyl-d14	13.00	244	1013694	55.42	ng	0.00
Target Compounds						
10) Phenol	6.55	94	56747	3.521	ng	80
25) Isophorone	7.45	82	844568	40.932	ng	# 64
50) Dimethylphthalate	9.64	163	52615	2.896	ng	95
51) 2,6-Dinitrotoluene	9.93	165	31177	8.607	ng	# 30
57) 2,4-Dinitrotoluene	9.93	165	31177	7.161	ng	# 25
65) 4,6-Dinitro-2-methylphenol	10.72	198	440	6.949	ng	# 1
67) 4-Bromophenyl-phenylether	10.72	248	16174	3.643	ng	# 1
84) Bis(2-ethylhexyl)phthalate	14.03	149	30054	2.390	ng	# 99

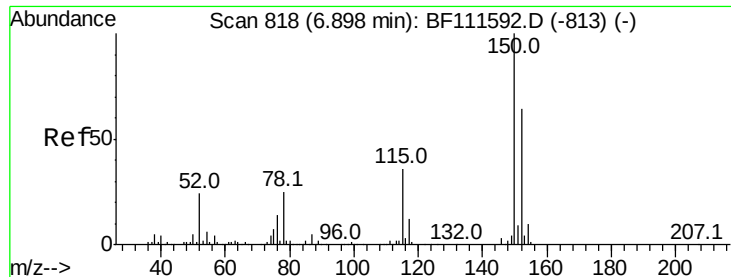
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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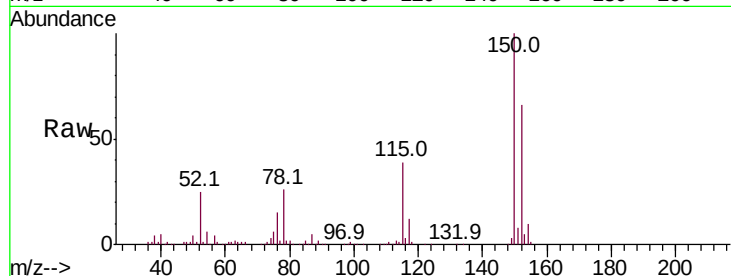


#1

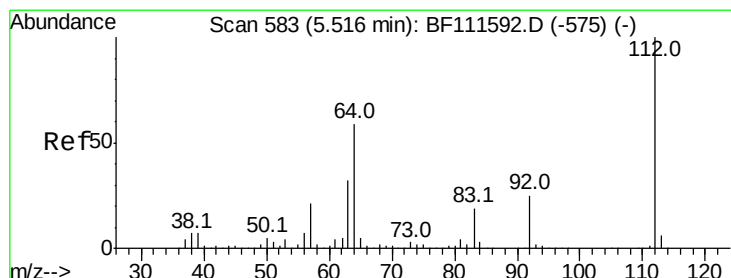
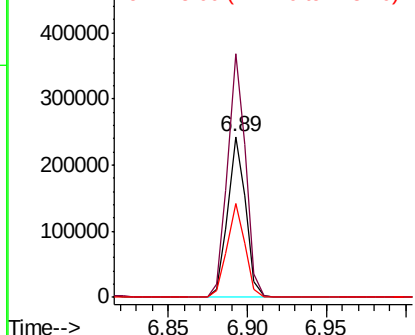
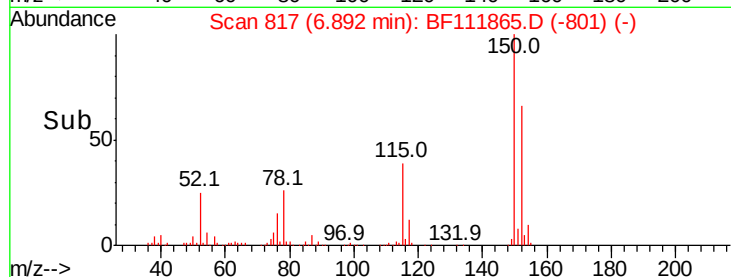
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.89 min Scan# 817
Delta R.T. -0.01 min
Lab File: BF111865.D
Acq: 5 Jan 2019 00:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 191320
Ion Ratio Lower Upper
152 100
150 151.6 126.6 189.8
115 58.5 50.7 76.1



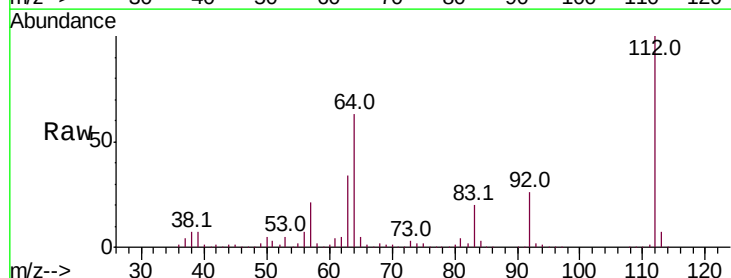
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



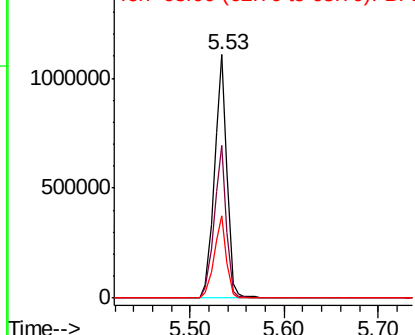
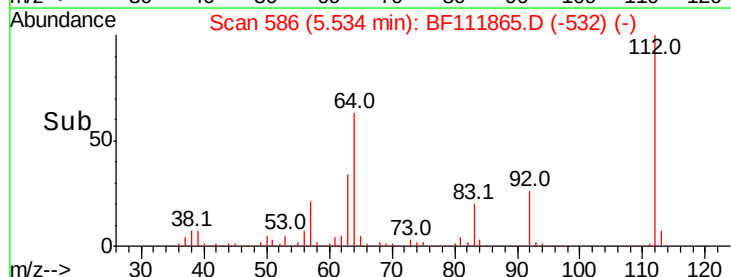
#5

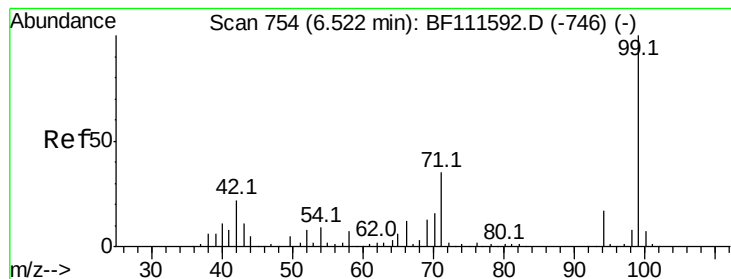
2-Fluorophenol
Concen: 93.122 ng
RT: 5.53 min Scan# 586
Delta R.T. 0.02 min
Lab File: BF111865.D
Acq: 5 Jan 2019 00:35

Tgt Ion:112 Resp: 1045216
Ion Ratio Lower Upper
112 100
64 62.9 51.8 77.6
63 33.7 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: 85.218 ng

RT: 6.54 min Scan# 757

Delta R.T. 0.02 min

Lab File: BF111865.D

Acq: 5 Jan 2019 00:35

Instrument :

BNA_G

ClientSampleId :

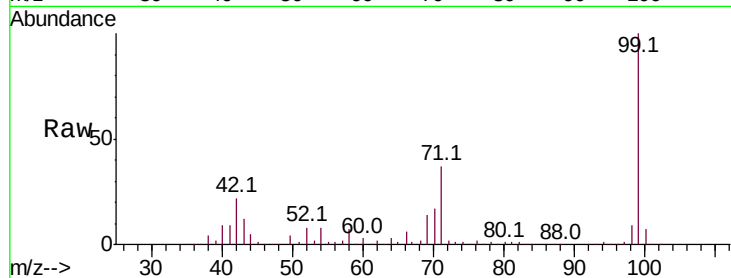
Tot Ion: 99 Resp: 1217293

Ion	Ratio	Lower	Upper
99	100		
42	22.4	17.4	26.0
71	36.7	26.1	39.1

99 100

42 22.4 17.4 26.0

71 36.7 26.1 39.1

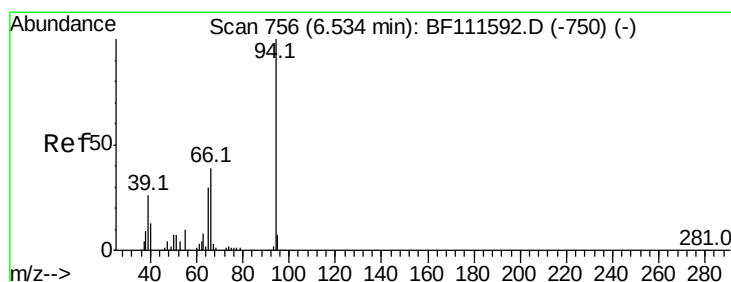
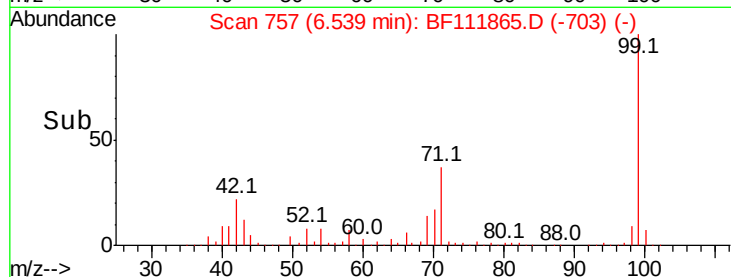
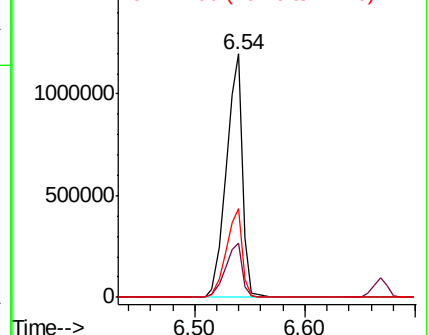


Abundance

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



#10

Phenol

Concen: 3.521 ng

RT: 6.55 min Scan# 758

Delta R.T. 0.01 min

Lab File: BF111865.D

Acq: 5 Jan 2019 00:35

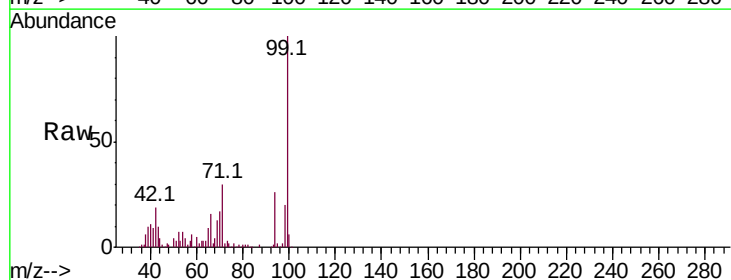
Tgt Ion: 94 Resp: 56747

Ion	Ratio	Lower	Upper
94	100		
65	35.9	11.7	51.7
66	60.1	21.0	61.0

94 100

65 35.9 11.7 51.7

66 60.1 21.0 61.0

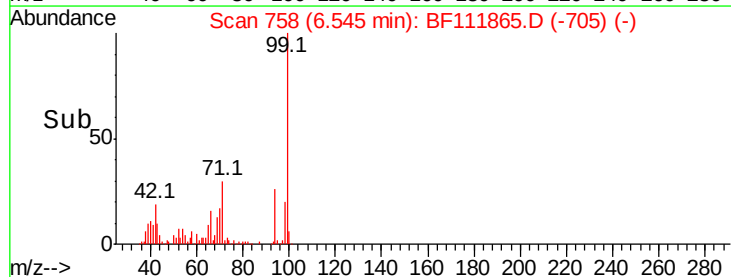
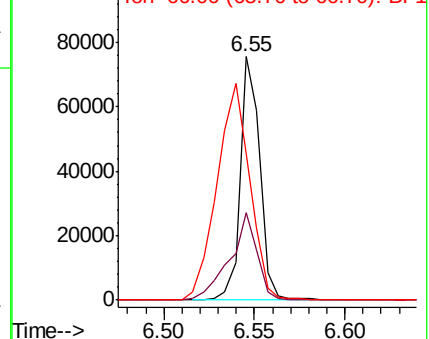


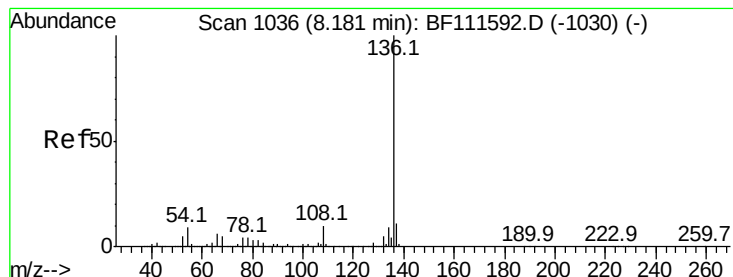
Abundance

Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 8.17 min Scan# 1035

Delta R.T. -0.01 min

Lab File: BF111865.D

Acq: 5 Jan 2019 00:35

Instrument :

BNA_G

ClientSampleId :

Tot Ion:136 Resp: 676531

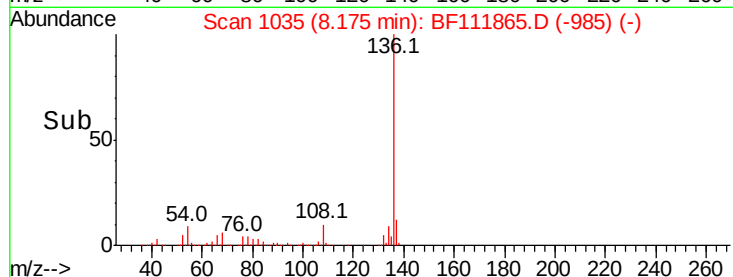
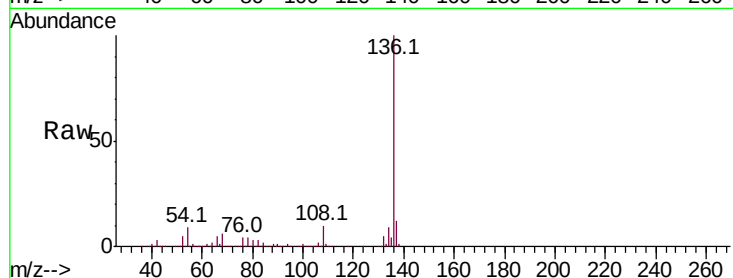
Ion Ratio Lower Upper

136 100

137 11.6 9.1 13.7

54 9.1 7.7 11.5

68 5.6 4.9 7.3

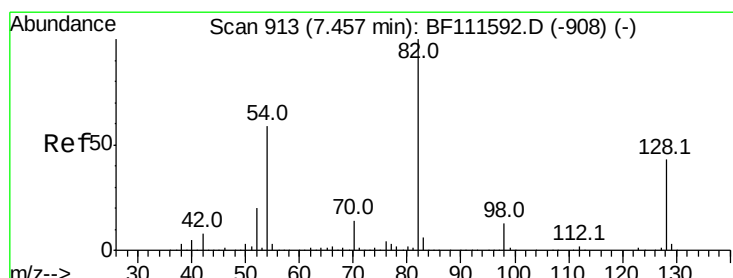
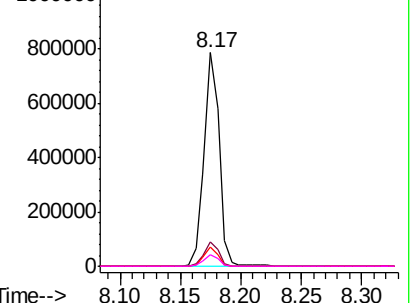


Abundance Ion 136.00 (135.70 to 136.70): E

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: 72.862 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.01 min

Lab File: BF111865.D

Acq: 5 Jan 2019 00:35

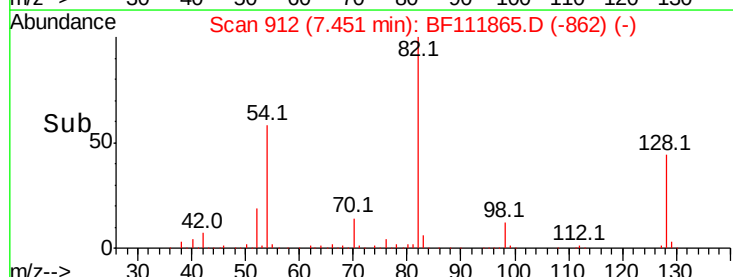
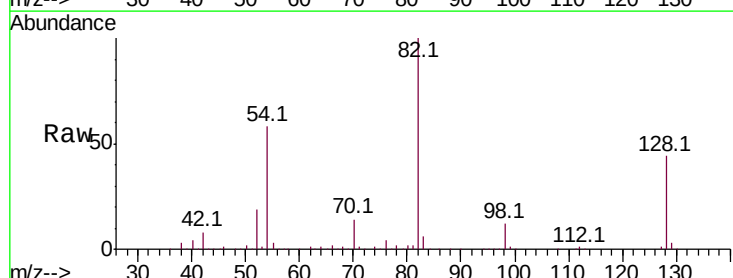
Tgt Ion: 82 Resp: 846858

Ion Ratio Lower Upper

82 100

128 44.5 37.4 56.2

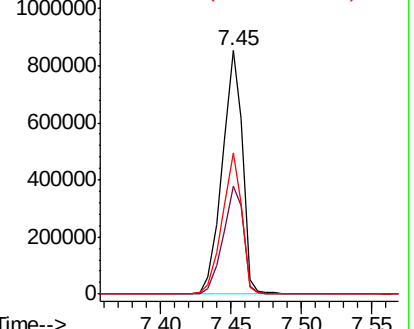
54 57.8 47.6 71.4

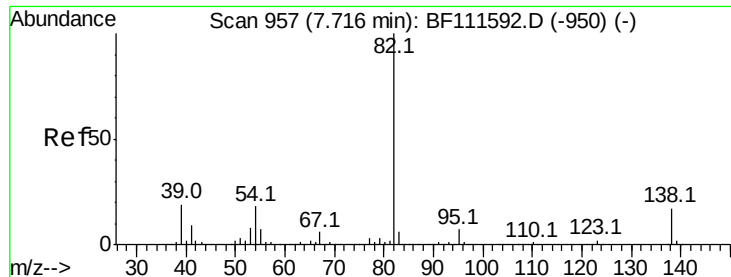


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 40.932 ng

RT: 7.45 min Scan# 912

Delta R.T. -0.26 min

Lab File: BF111865.D

Acq: 5 Jan 2019 00:35

Instrument :

BNA_G

ClientSampleId :

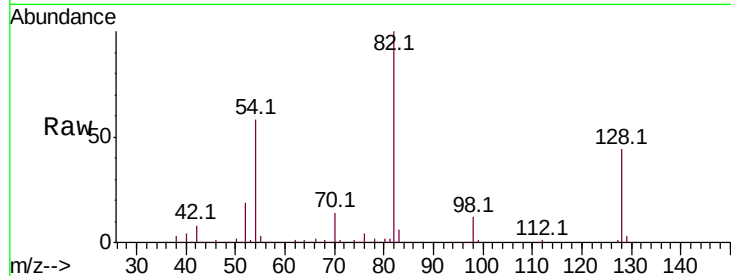
Tot Ion: 82 Resp: 844568

Ion Ratio Lower Upper

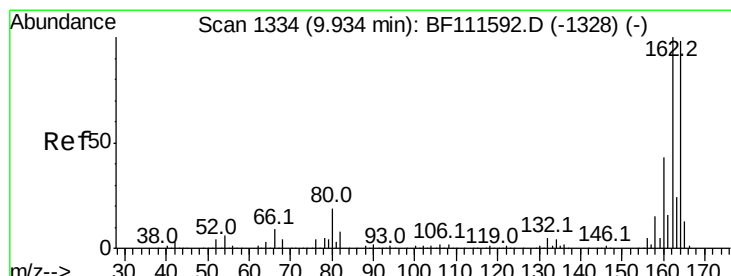
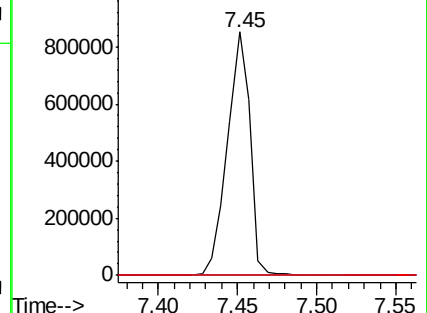
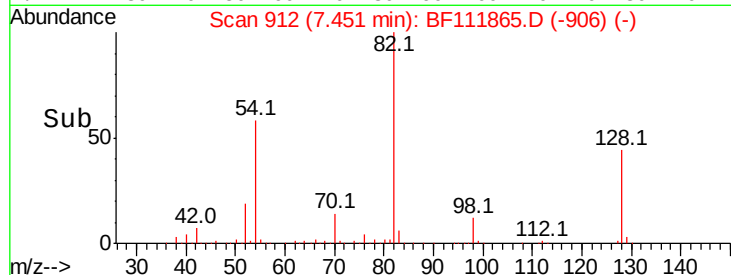
82 100

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: BF111865.D

Acq: 5 Jan 2019 00:35

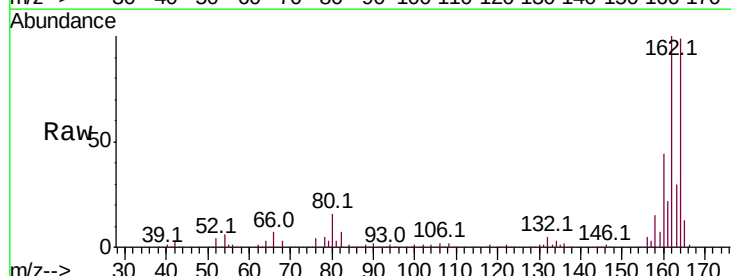
Tgt Ion:164 Resp: 248422

Ion Ratio Lower Upper

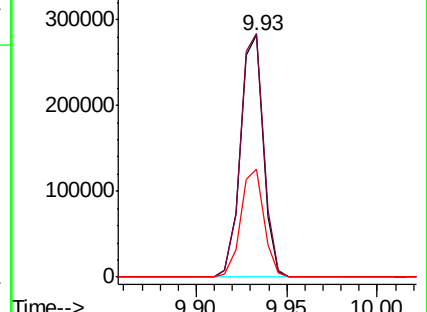
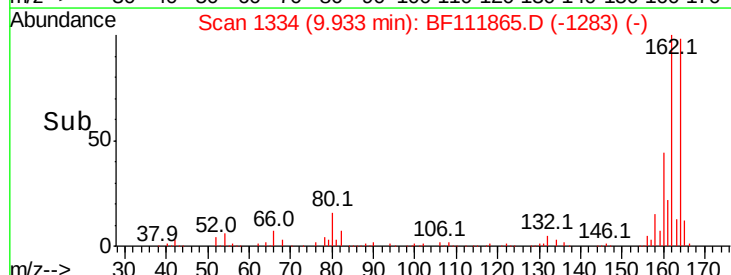
164 100

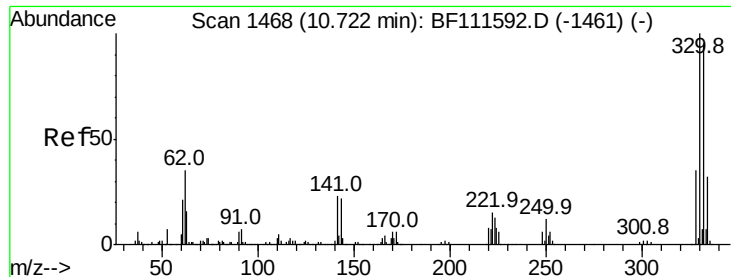
162 100.7 81.4 122.0

160 44.6 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: 89.462 ng

RT: 10.72 min Scan# 1468

Delta R.T. -0.00 min

Lab File: BF111865.D

Acq: 5 Jan 2019 00:35

Instrument :

BNA_G

ClientSampleId :

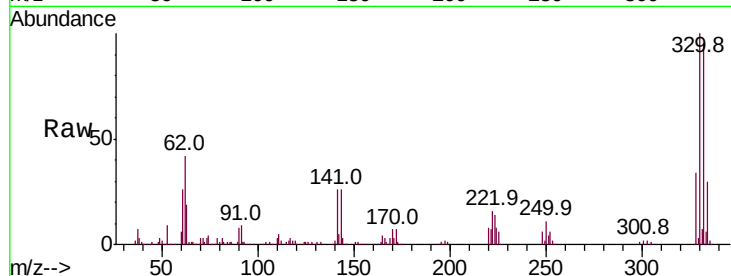
Tot Ion:330 Resp: 262597

Ion Ratio Lower Upper

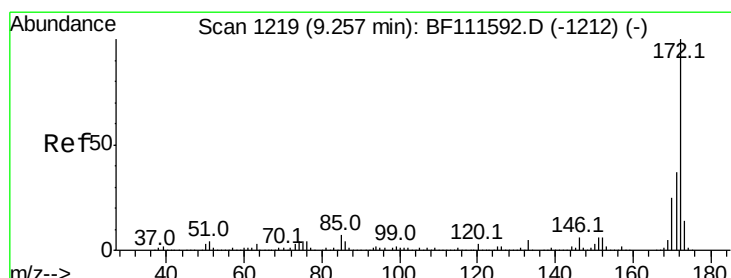
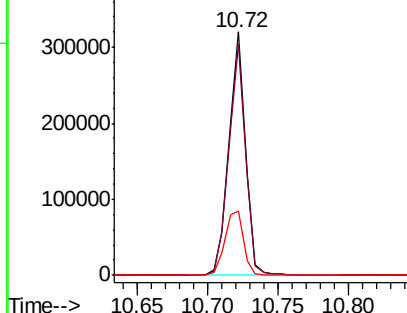
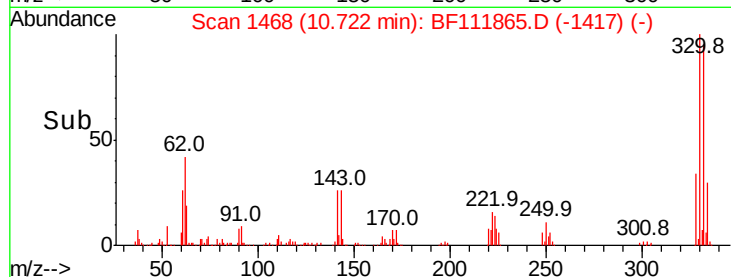
330 100

332 96.1 76.0 114.0

141 29.6 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: 76.893 ng

RT: 9.25 min Scan# 1218

Delta R.T. -0.01 min

Lab File: BF111865.D

Acq: 5 Jan 2019 00:35

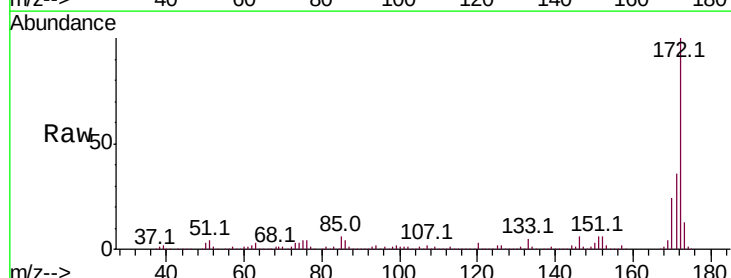
Tgt Ion:172 Resp: 1310529

Ion Ratio Lower Upper

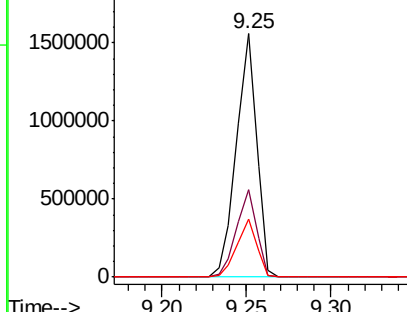
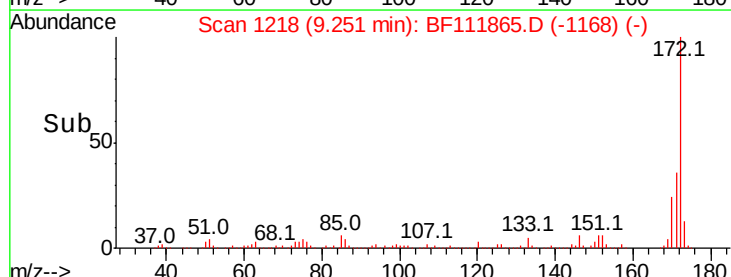
172 100

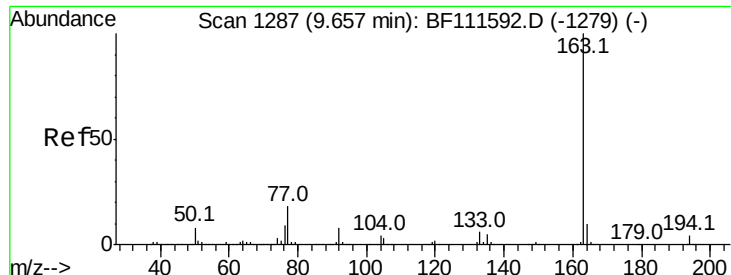
171 36.1 33.0 49.4

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

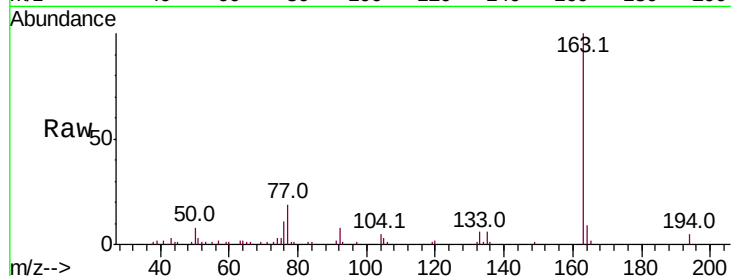




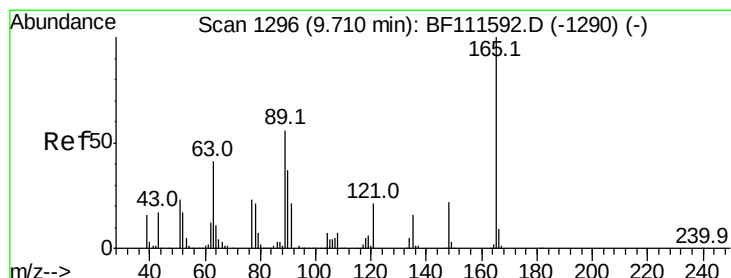
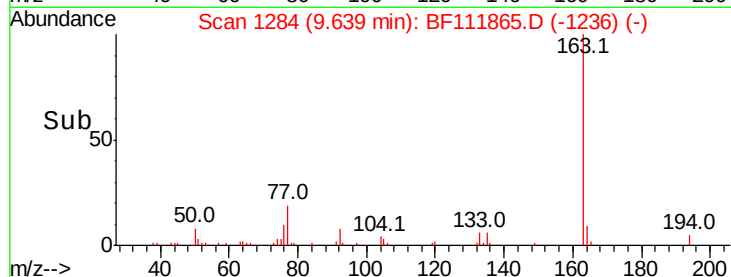
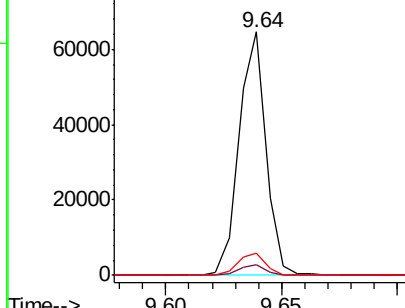
#50
Dimethylphthalate
Concen: 2.896 ng
RT: 9.64 min Scan# 1284
Delta R.T. -0.02 min
Lab File: BF111865.D
Acq: 5 Jan 2019 00:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
163	100		
194	4.5	3.0	4.6
164	9.0	8.9	13.3

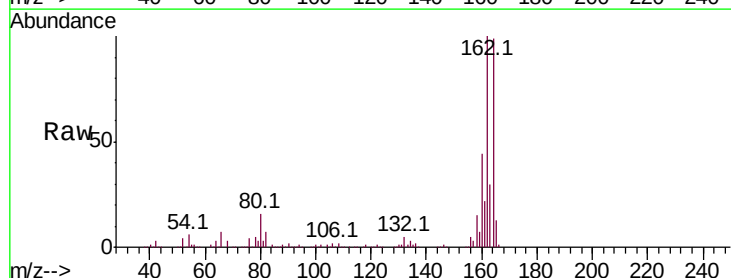


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

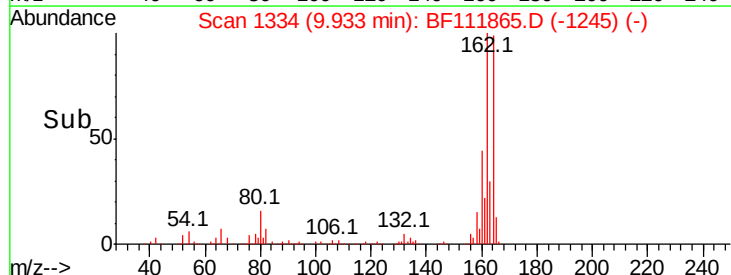
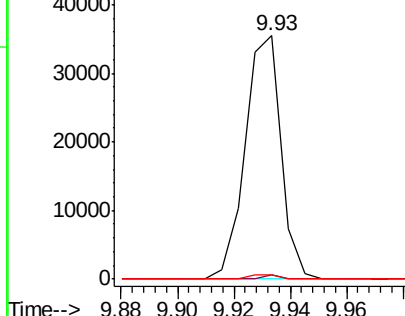


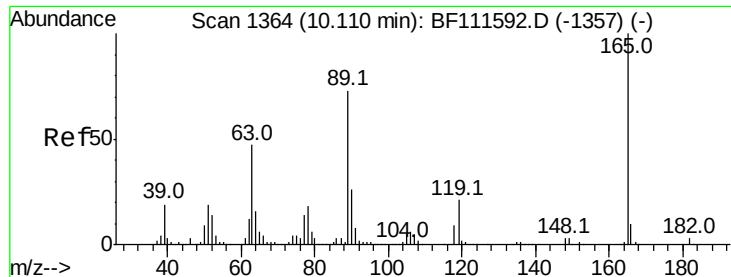
#51
2,6-Dinitrotoluene
Concen: 8.607 ng
RT: 9.93 min Scan# 1334
Delta R.T. 0.22 min
Lab File: BF111865.D
Acq: 5 Jan 2019 00:35

Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.9	40.5	60.7#
89	2.0	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: 7.161 ng

RT: 9.93 min Scan# 1334

Delta R.T. -0.18 min

Lab File: BF111865.D

Acq: 5 Jan 2019 00:35

Instrument :

BNA_G

ClientSampleId :

Tot Ion:165 Resp: 31177

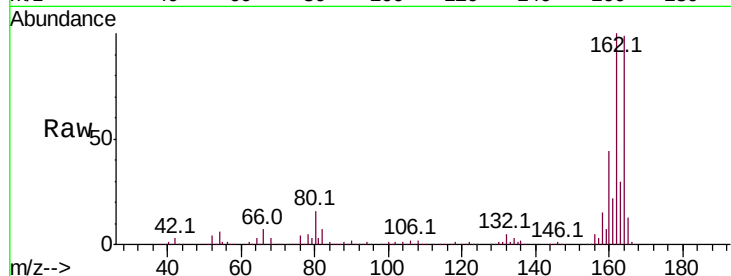
Ion Ratio Lower Upper

165 100

63 1.9 34.6 52.0#

89 2.0 56.2 84.4#

182 0.0 1.8 2.6#

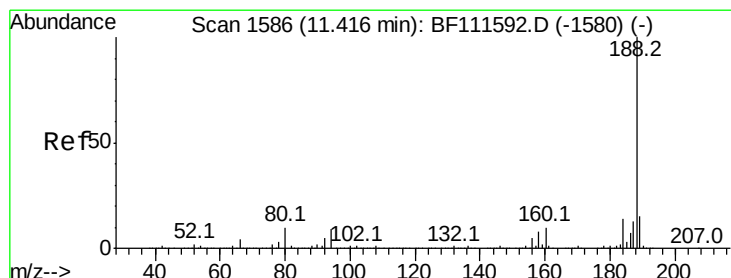
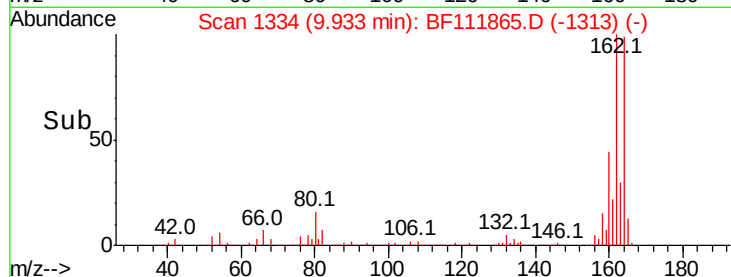
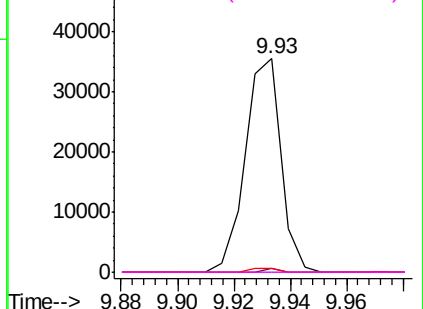


Abundance Ion 165.00 (164.70 to 165.70): E

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: BF111865.D

Acq: 5 Jan 2019 00:35

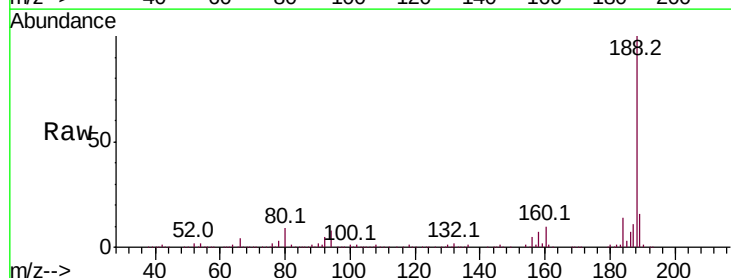
Tgt Ion:188 Resp: 357944

Ion Ratio Lower Upper

188 100

94 8.5 9.6 14.4#

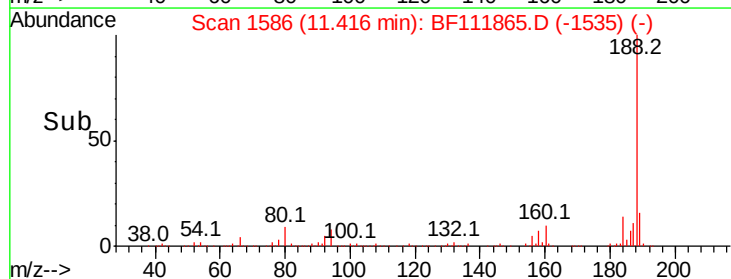
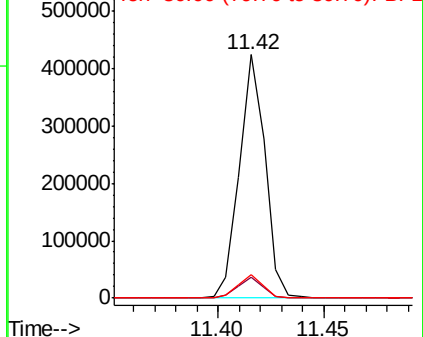
80 9.4 9.8 14.6#

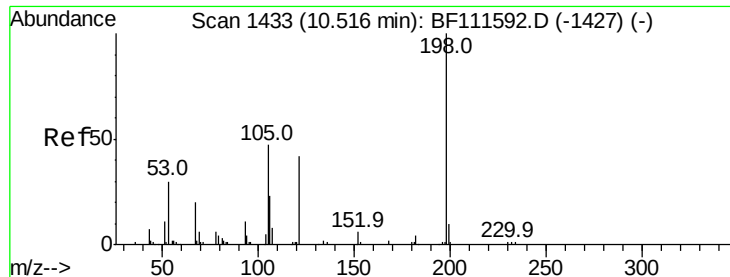


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

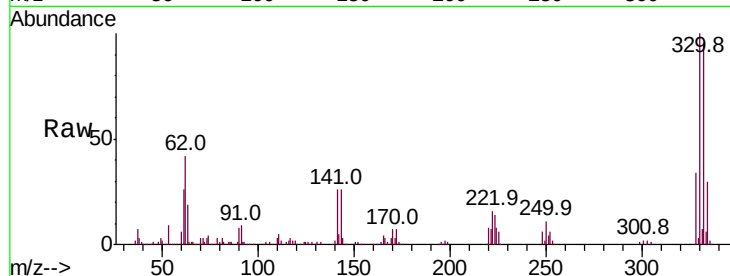




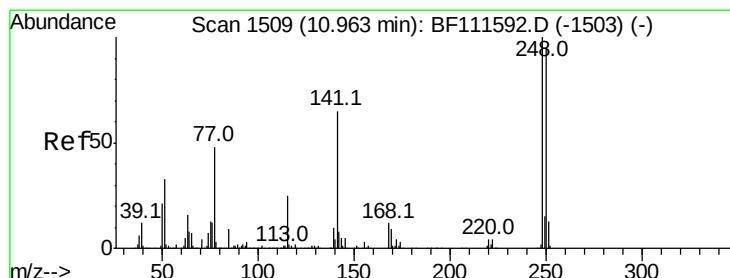
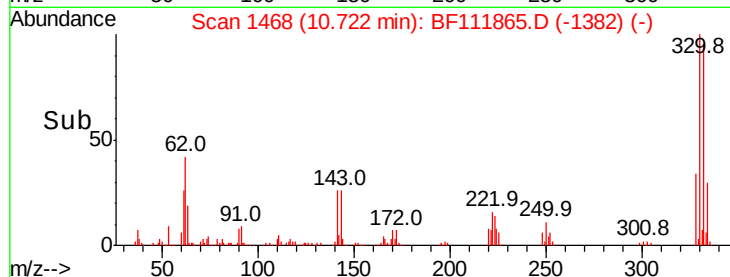
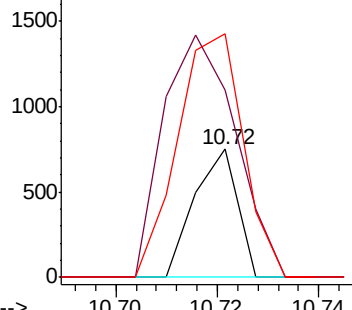
#65
4,6-Dinitro-2-methylphenol
Concen: 6.949 ng
RT: 10.72 min Scan# 1468
Delta R.T. 0.21 min
Lab File: BF111865.D
Acq: 5 Jan 2019 00:35

Instrument :
BNA_G
ClientSampleId :

Tot Ion:198 Resp: 440
Ion Ratio Lower Upper
198 100
51 146.7 48.0 88.0#
105 190.4 34.0 74.0#

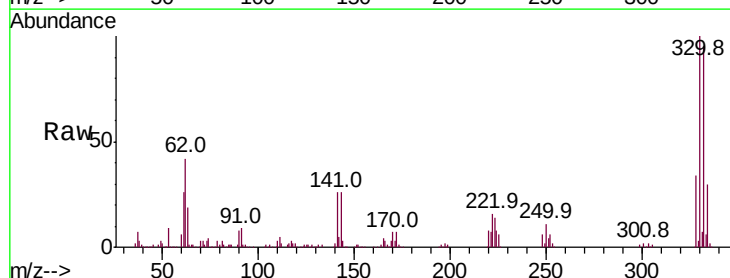


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

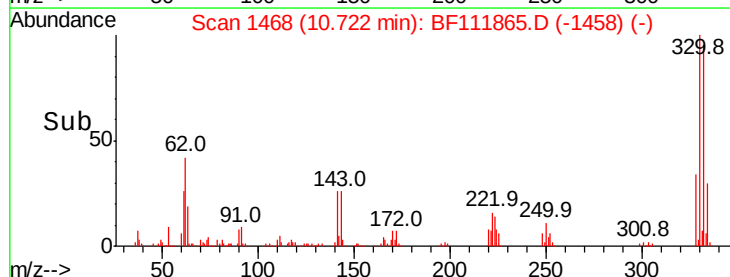
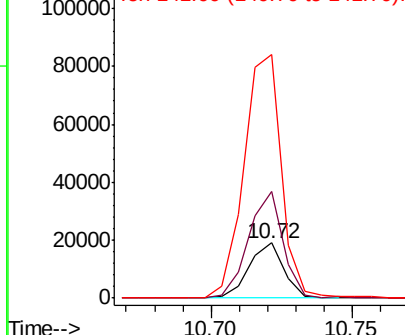


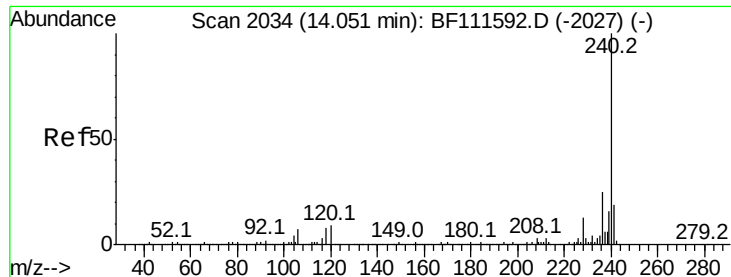
#67
4-Bromophenyl-phenylether
Concen: 3.643 ng
RT: 10.72 min Scan# 1468
Delta R.T. -0.24 min
Lab File: BF111865.D
Acq: 5 Jan 2019 00:35

Tgt Ion:248 Resp: 16174
Ion Ratio Lower Upper
248 100
250 192.8 77.0 115.4#
141 442.5 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: BF111865.D

Acq: 5 Jan 2019 00:35

Instrument :

BNA_G

ClientSampleId :

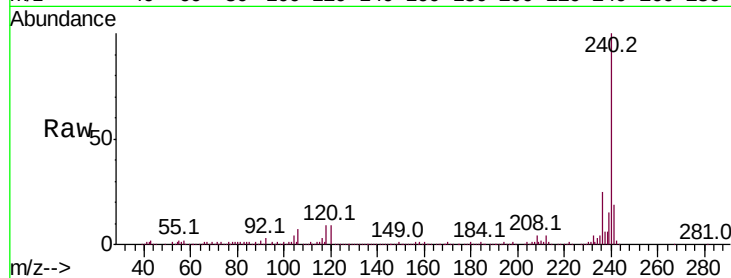
Tot Ion:240 Resp: 346852

Ion Ratio Lower Upper

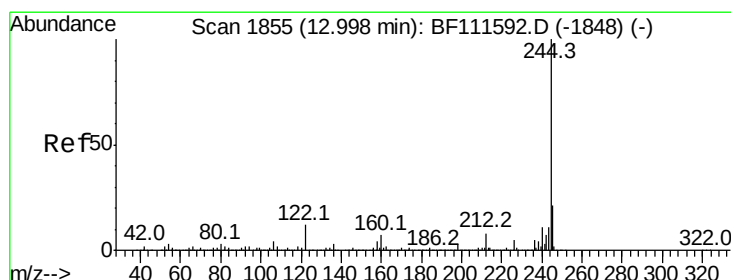
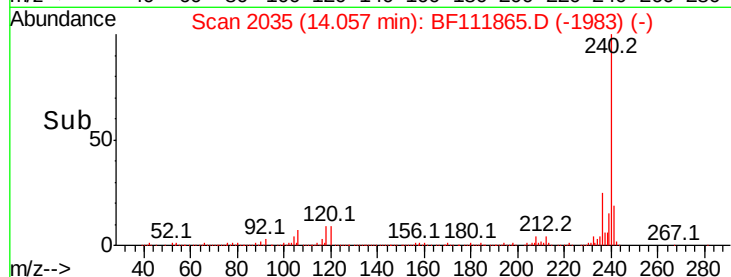
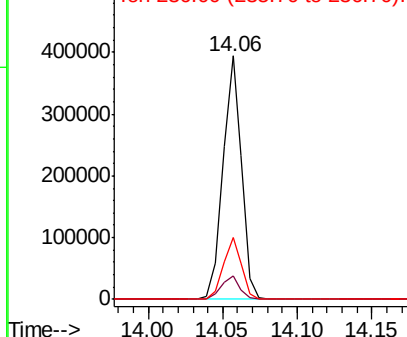
240 100

120 9.4 12.2 18.2#

236 25.3 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: 55.424 ng

RT: 13.00 min Scan# 1856

Delta R.T. 0.01 min

Lab File: BF111865.D

Acq: 5 Jan 2019 00:35

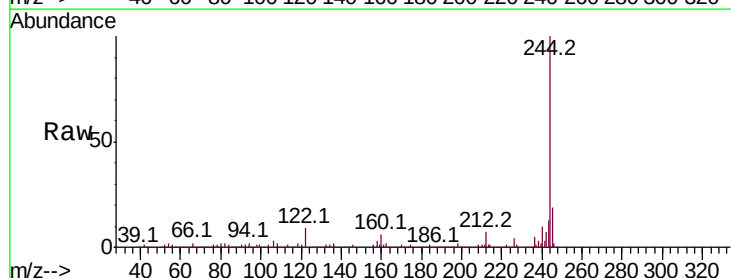
Tgt Ion:244 Resp: 1013694

Ion Ratio Lower Upper

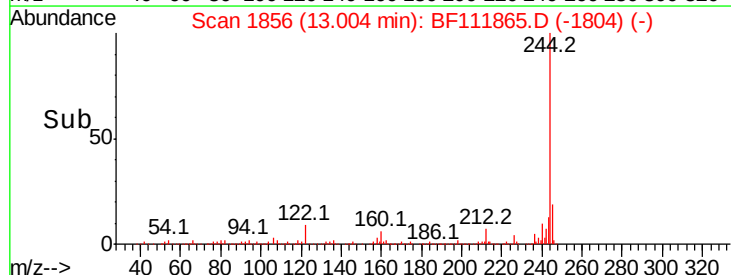
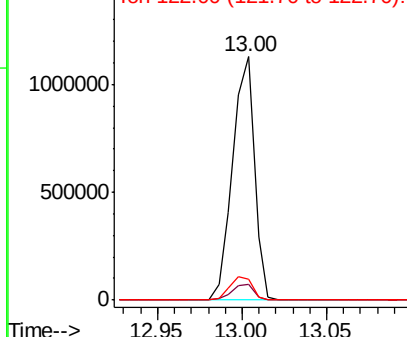
244 100

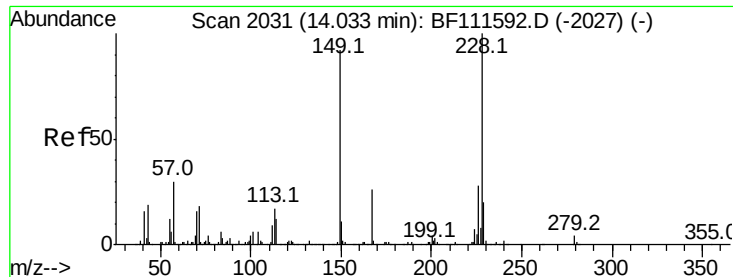
212 6.7 5.7 8.5

122 8.8 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





#84

Bis(2-ethylhexyl)phthalate

Concen: 2.390 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BF111865.D

Acq: 5 Jan 2019 00:35

Instrument :

BNA_G

ClientSampleId :

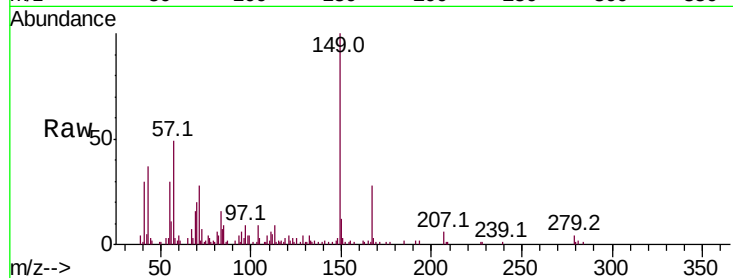
Tot Ion:149 Resp: 30054

Ion Ratio Lower Upper

149 100

167 27.8 22.5 33.7

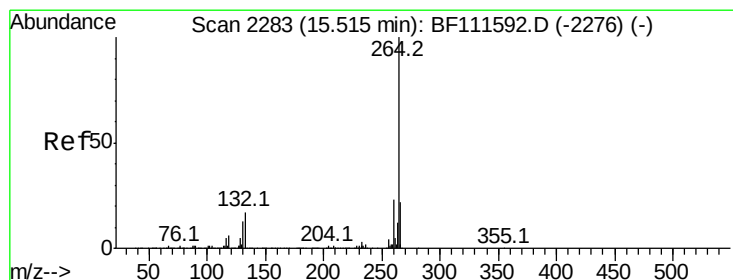
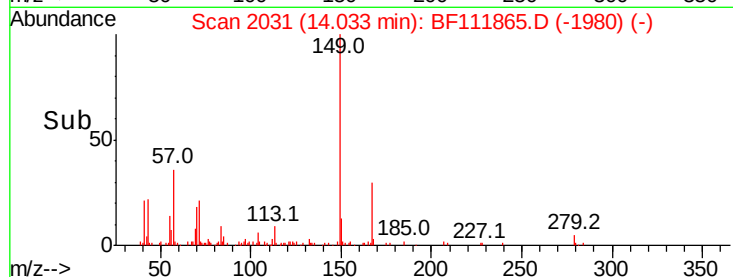
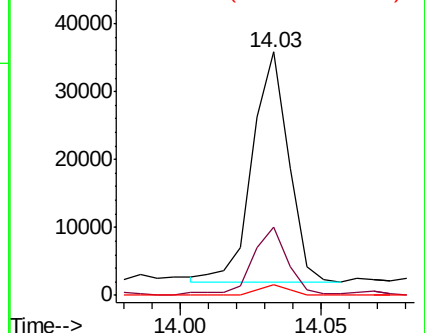
279 4.4 2.6 4.0#



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



#87

Perylene-d12

Concen: 20.000 ng

RT: 15.54 min Scan# 2287

Delta R.T. 0.02 min

Lab File: BF111865.D

Acq: 5 Jan 2019 00:35

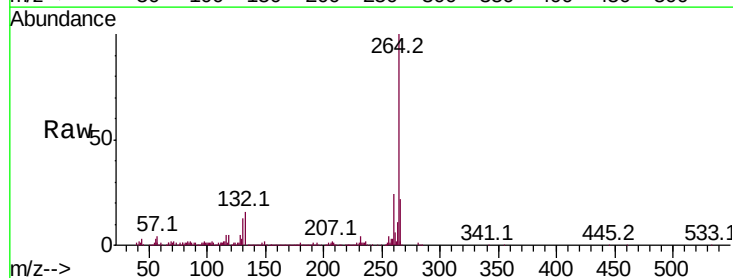
Tgt Ion:264 Resp: 280080

Ion Ratio Lower Upper

264 100

260 24.0 18.3 27.5

265 22.1 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

