

Data File : BF100015.D
Acq On : 31 Oct 2017 20:34
Operator : SJ/JU
Sample : I6178-07
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EPE-M-6(5-10)

Quant Time: Nov 01 08:16:35 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Oct 31 16:51:57 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.79	152	90218	20.00	ng	0.00
21) Naphthalene-d8	8.07	136	367534	20.00	ng	0.00
38) Acenaphthene-d10	9.82	164	168115	20.00	ng	0.00
63) Phenanthrene-d10	11.32	188	287043	20.00	ng	0.00
75) Chrysene-d12	13.98	240	176454	20.00	ng	0.00
86) Perylene-d12	15.46	264	153637	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.41	112	477216	83.04	ng	0.00
7) Phenol-d6	6.43	99	584049	85.72	ng	0.00
23) Nitrobenzene-d5	7.36	82	336162	58.89	ng	0.00
41) 2,4,6-Tribromophenol	10.62	330	129614	84.60	ng	0.00
44) 2-Fluorobiphenyl	9.15	172	707431	64.92	ng	0.00
78) Terphenyl-d14	12.90	244	579387	71.76	ng	0.00

Target Compounds						Qvalue
9) Benzaldehyde	6.56	77	9059	2.22	ng	93
10) Phenol	6.45	94	42797	5.72	ng	96
19) n-Nitroso-di-n-propylamine	7.36	70	41224	10.32	ng	# 73
25) Isophorone	7.36	82	336162	32.45	ng	# 64
49) Dimethylphthalate	9.54	163	124149	9.33	ng	100
56) 2,4-Dinitrotoluene	9.82	165	21178	6.28	ng	# 22
62) Azobenzene	10.54	77	30411	2.79	ng	# 1
66) 4-Bromophenyl-phenylether	10.62	248	8035	2.66	ng	# 1

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

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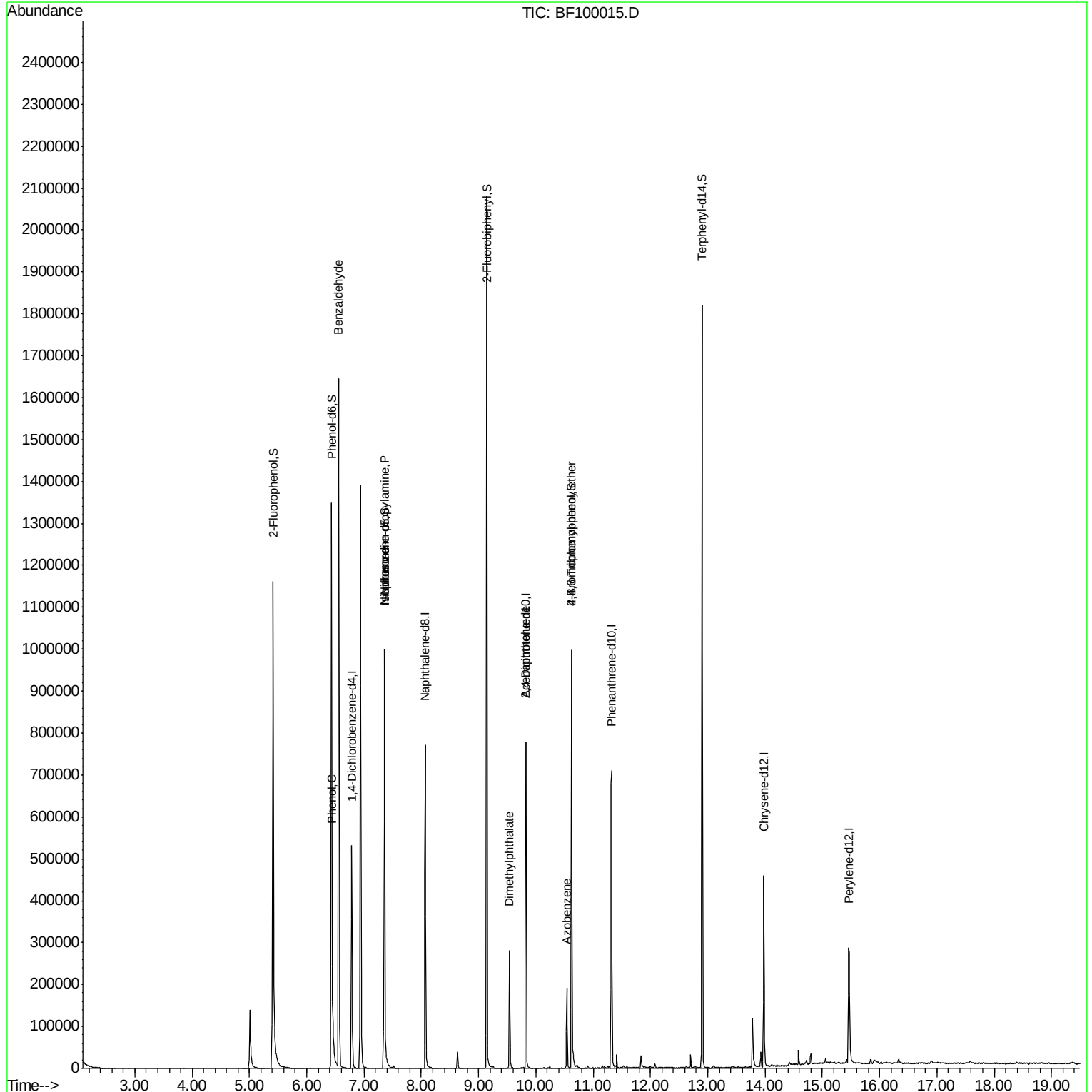
Quant Time: Nov 01 08:16:35 2017

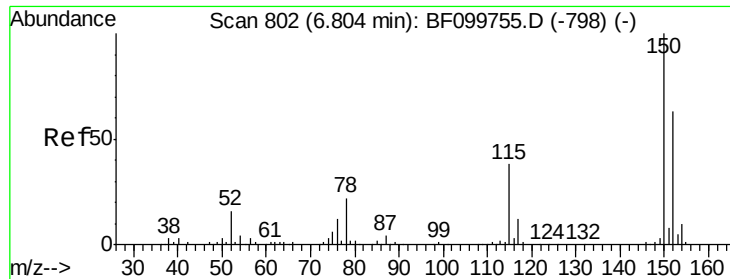
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102317.M

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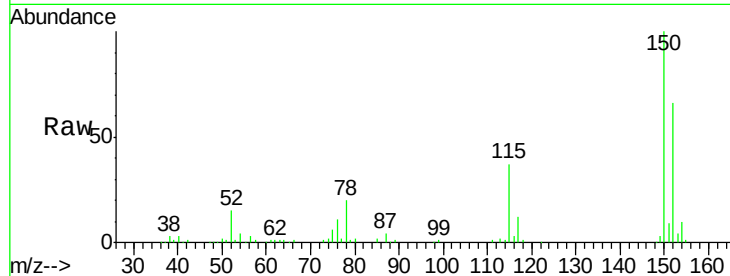




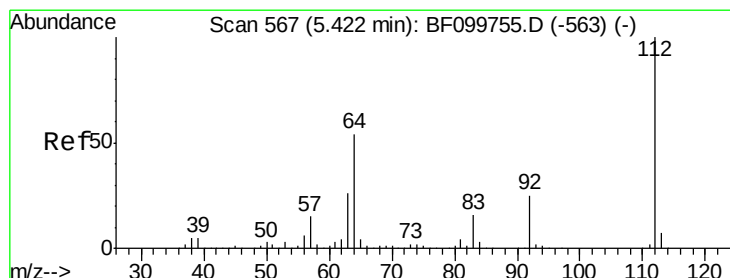
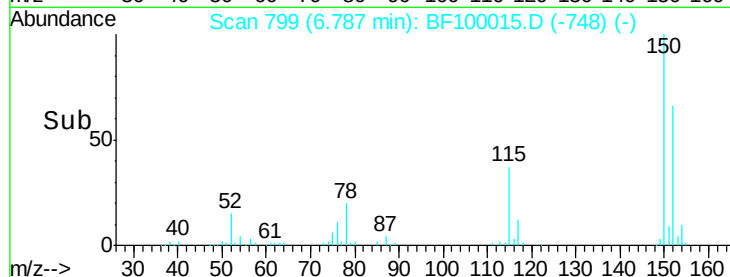
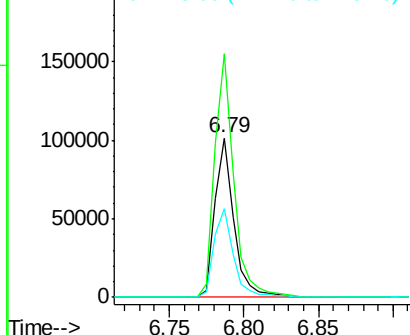
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.79 min Scan# 799
 Delta R.T. 0.00 min
 Lab File: BF100015.D
 Acq: 31 Oct 2017 20:34

Instrument :
 BNA_F
 ClientSampleId :
 EPE-M-6(5-10)

Tgt Ion:152 Resp: 90218
 Ion Ratio Lower Upper
 152 100
 150 152.4 124.6 186.8
 115 55.7 50.1 75.1

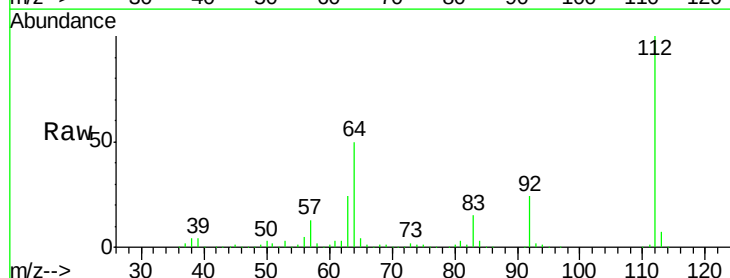


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

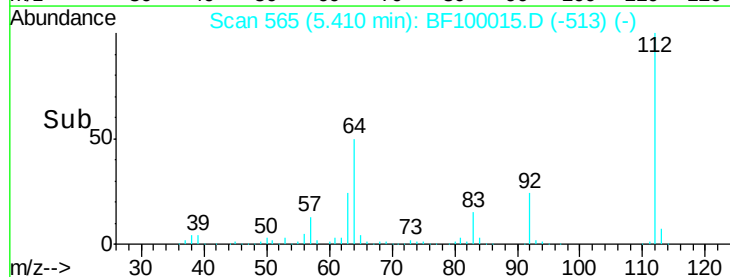
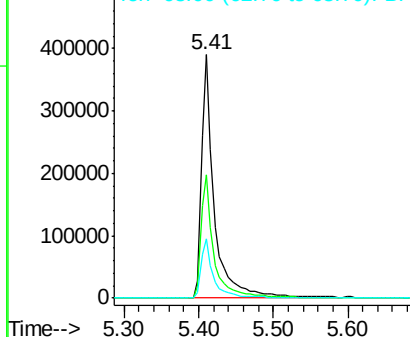


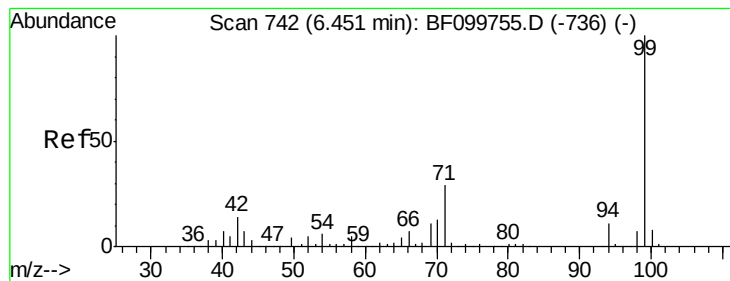
#5
 2-Fluorophenol
 Concen: 83.04 ng
 RT: 5.41 min Scan# 565
 Delta R.T. 0.01 min
 Lab File: BF100015.D
 Acq: 31 Oct 2017 20:34

Tgt Ion:112 Resp: 477216
 Ion Ratio Lower Upper
 112 100
 64 50.5 47.9 71.9
 63 24.2 23.7 35.5



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: 85.72 ng

RT: 6.43 min Scan# 739

Delta R.T. 0.00 min

Lab File: BF100015.D

Acq: 31 Oct 2017 20:34

Instrument :

BNA_F

ClientSampleId :

EPE-M-6(5-10)

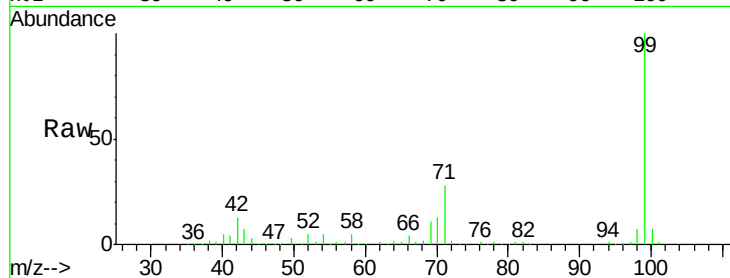
Tgt Ion: 99 Resp: 584049

Ion Ratio Lower Upper

99 100

42 12.9 14.5 21.7#

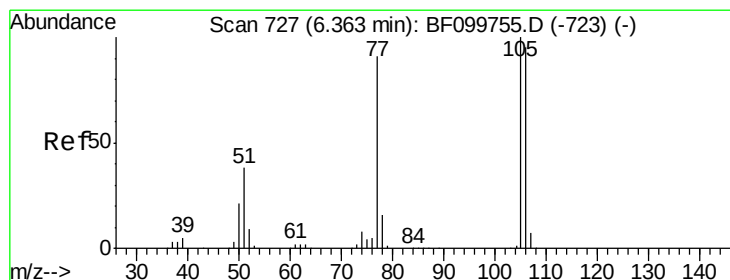
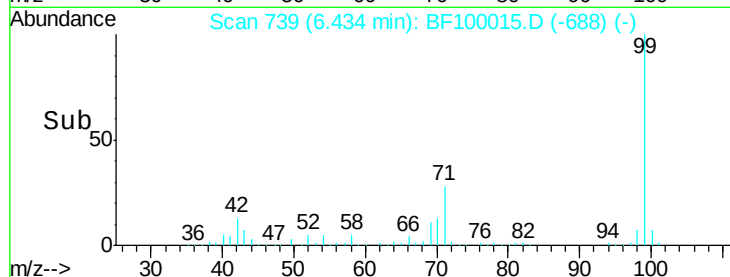
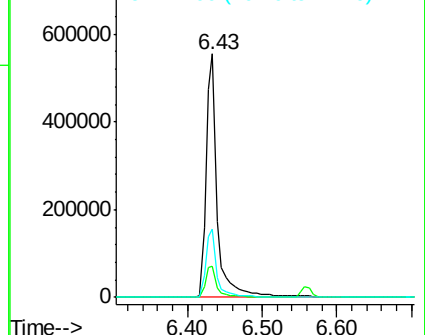
71 28.3 25.4 38.0



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



#9

Benzaldehyde

Concen: 2.22 ng

RT: 6.56 min Scan# 760

Delta R.T. 0.21 min

Lab File: BF100015.D

Acq: 31 Oct 2017 20:34

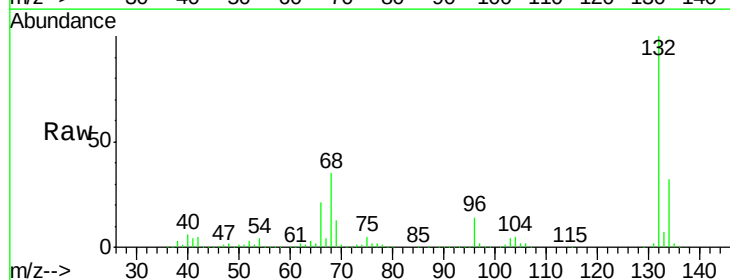
Tgt Ion: 77 Resp: 9059

Ion Ratio Lower Upper

77 100

105 90.1 81.1 121.1

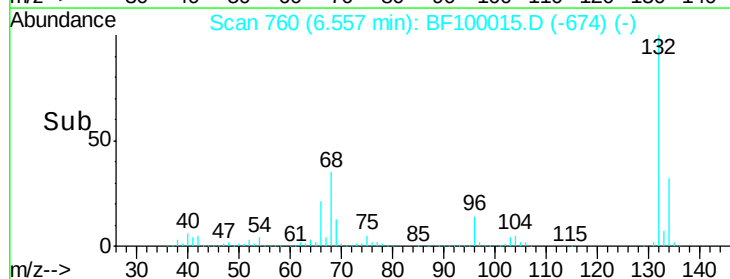
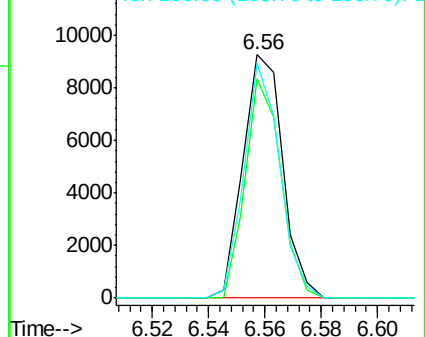
106 96.2 74.5 114.5

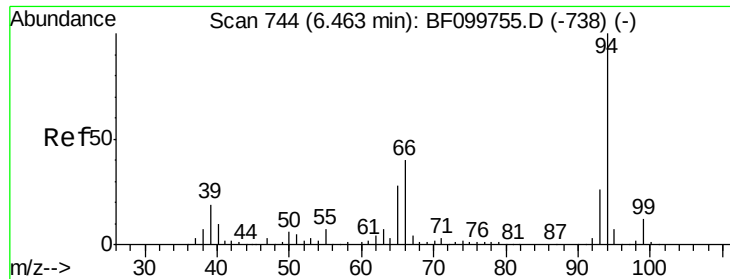


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E





#10

Phenol

Concen: 5.72 ng

RT: 6.45 min Scan# 741

Delta R.T. 0.00 min

Lab File: BF100015.D

Acq: 31 Oct 2017 20:34

Instrument :

BNA_F

ClientSampleId :

EPE-M-6(5-10)

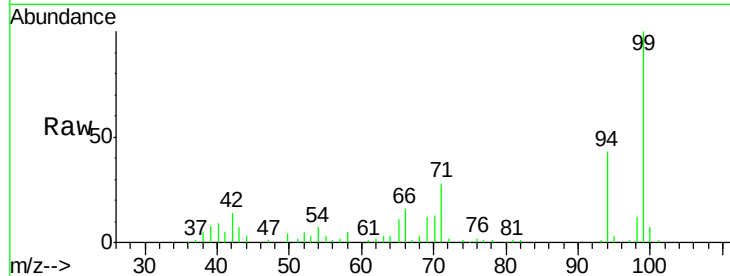
Tgt Ion: 94 Resp: 42797

Ion Ratio Lower Upper

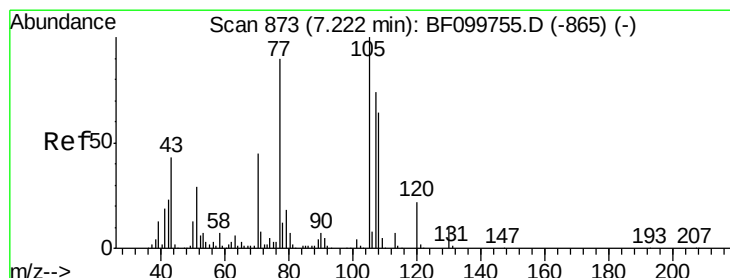
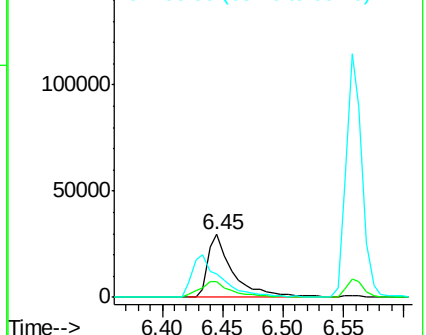
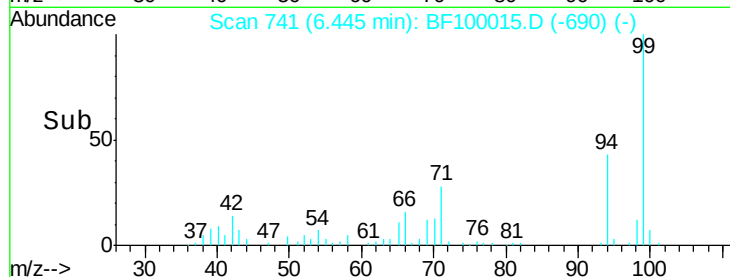
94 100

65 24.3 7.9 47.9

66 37.0 16.2 56.2



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



#19

n-Nitroso-di-n-propylamine

Concen: 10.32 ng

RT: 7.36 min Scan# 896

Delta R.T. 0.15 min

Lab File: BF100015.D

Acq: 31 Oct 2017 20:34

Tgt Ion: 70 Resp: 41224

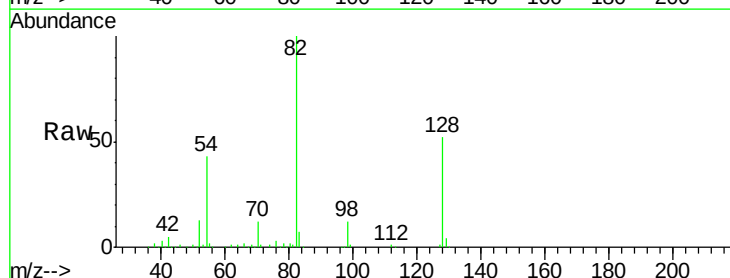
Ion Ratio Lower Upper

70 100

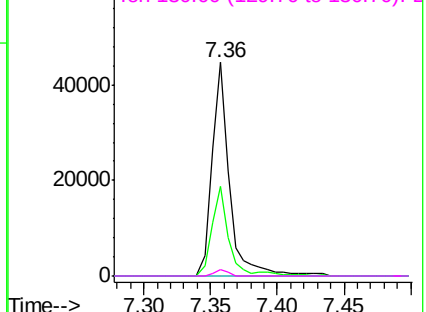
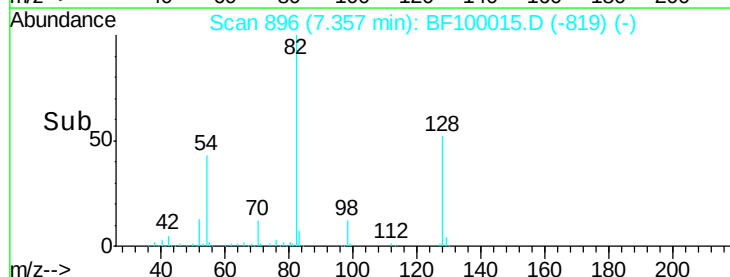
42 41.9 47.5 71.3#

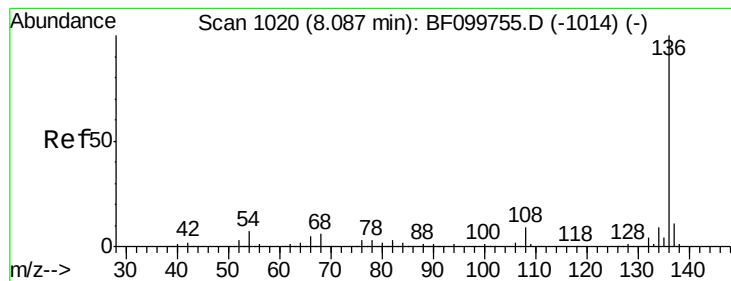
101 0.0 7.4 11.2#

130 2.8 16.6 25.0#



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: 20.00 ng

RT: 8.07 min Scan# 1017

Delta R.T. 0.00 min

Lab File: BF100015.D

Acq: 31 Oct 2017 20:34

Instrument :

BNA_F

ClientSampleId :

EPE-M-6(5-10)

Tgt Ion: 136 Resp: 367534

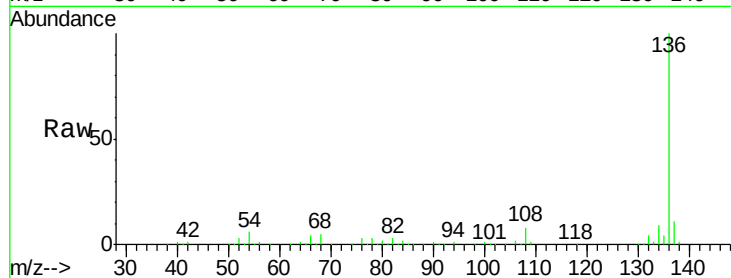
Ion Ratio Lower Upper

136 100

137 10.9 8.9 13.3

54 6.2 6.6 9.8#

68 5.4 5.0 7.4

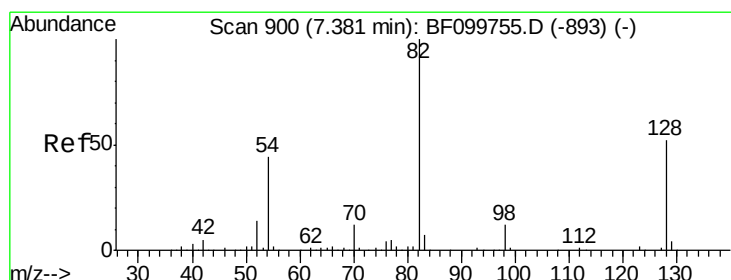
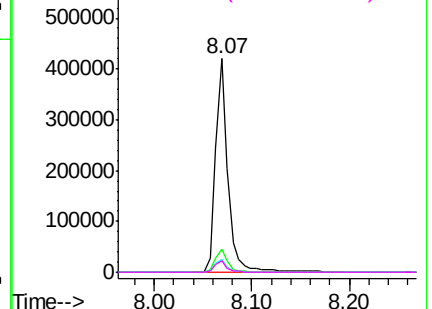
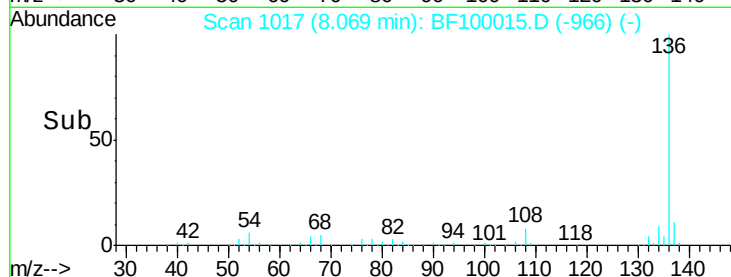


Abundance Ion 136.00 (135.70 to 136.70): E

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: 58.89 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.01 min

Lab File: BF100015.D

Acq: 31 Oct 2017 20:34

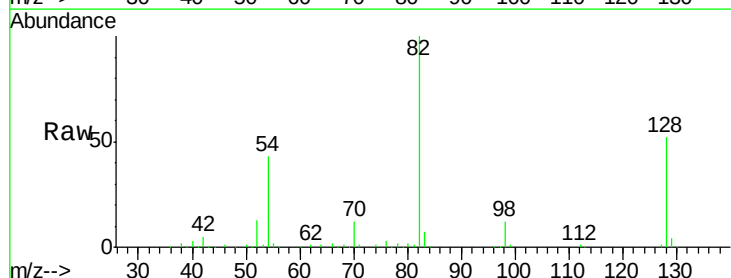
Tgt Ion: 82 Resp: 336162

Ion Ratio Lower Upper

82 100

128 51.8 36.1 54.1

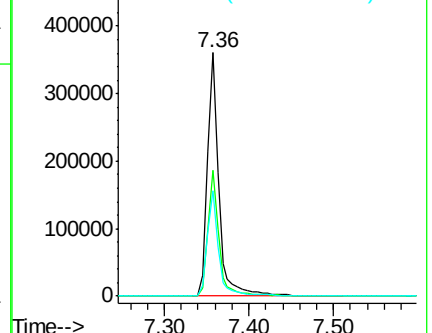
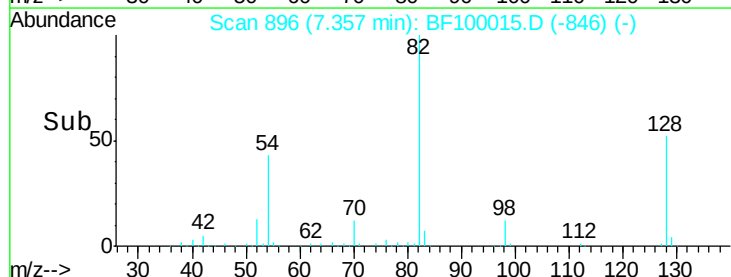
54 43.1 41.4 62.2

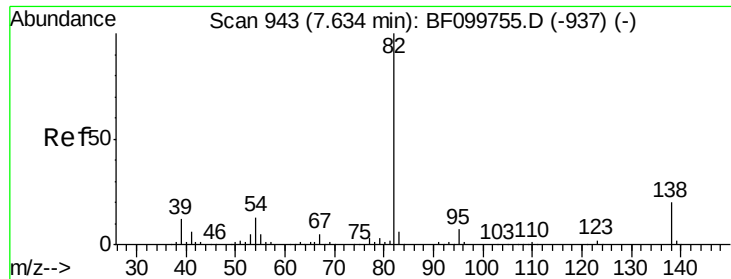


Abundance Ion 82.00 (81.70 to 82.70): BF1

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF1





#25

Isophorone

Concen: 32.45 ng

RT: 7.36 min Scan# 896

Delta R.T. -0.26 min

Lab File: BF100015.D

Acq: 31 Oct 2017 20:34

Instrument :

BNA_F

ClientSampleId :

EPE-M-6(5-10)

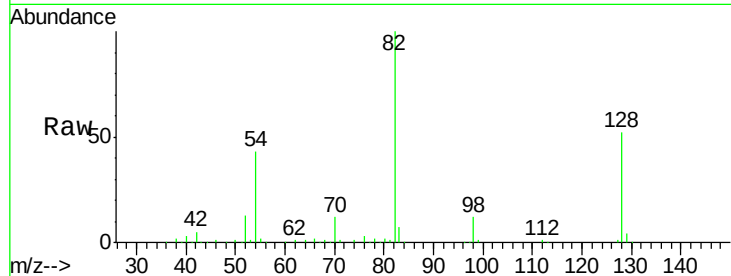
Tgt Ion: 82 Resp: 336162

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

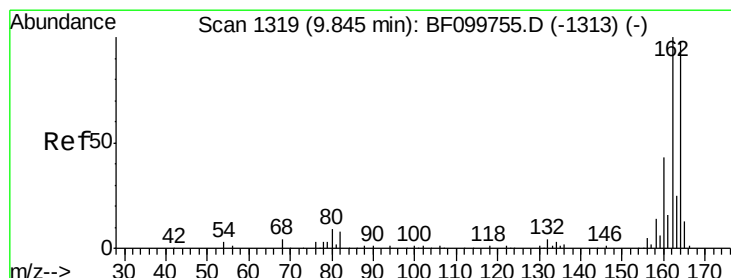
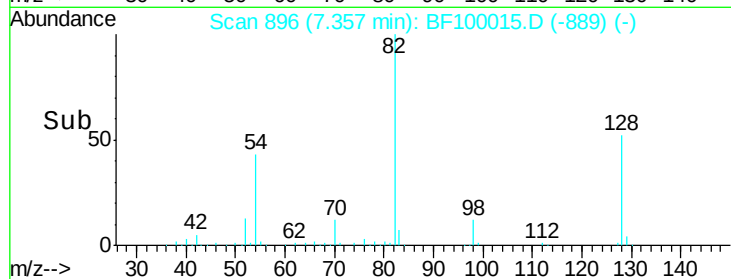
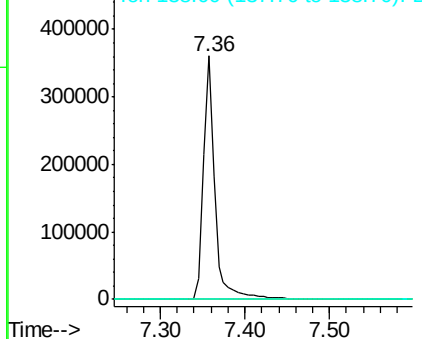
138 0.0 14.9 22.3#



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.01 min

Lab File: BF100015.D

Acq: 31 Oct 2017 20:34

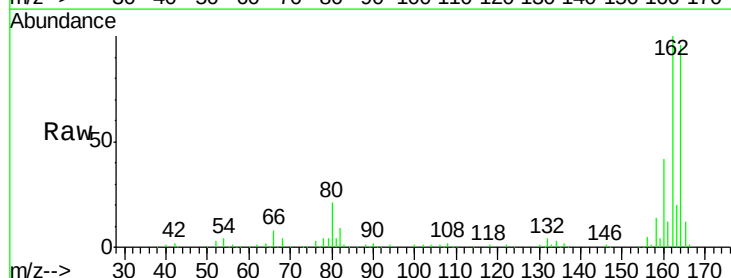
Tgt Ion: 164 Resp: 168115

Ion Ratio Lower Upper

164 100

162 104.2 86.1 129.1

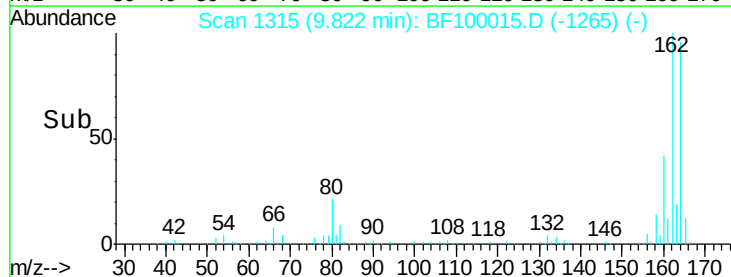
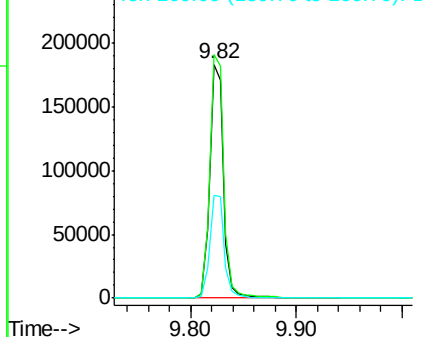
160 43.8 38.3 57.5

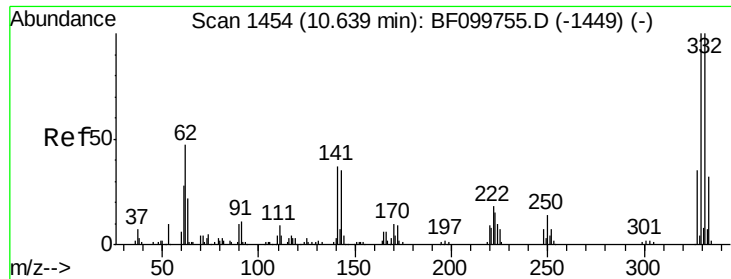


Abundance Ion 164.00 (163.70 to 164.70): BF1

Ion 162.00 (161.70 to 162.70): BF1

Ion 160.00 (159.70 to 160.70): BF1

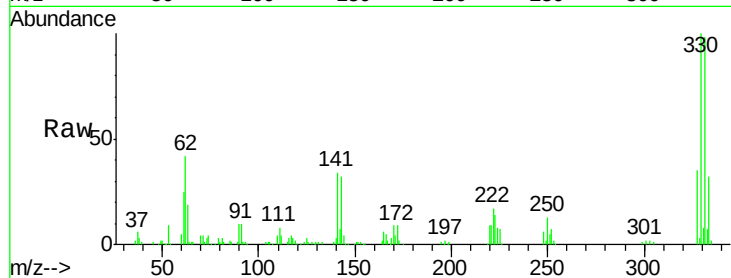




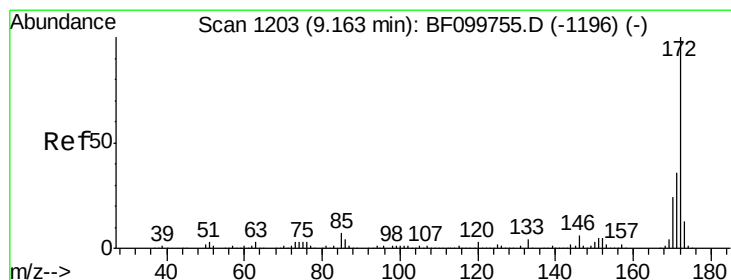
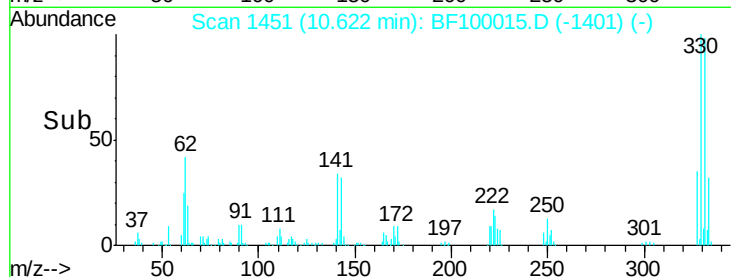
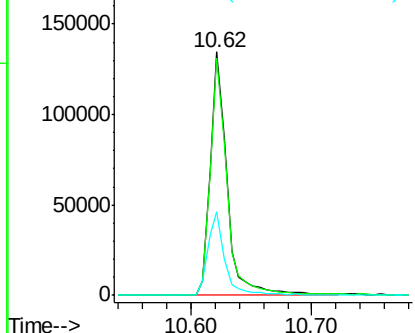
#41
 2,4,6-Tribromophenol
 Concen: 84.60 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.01 min
 Lab File: BF100015.D
 Acq: 31 Oct 2017 20:34

Instrument :
 BNA_F
 ClientSampleId :
 EPE-M-6(5-10)

Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.7	77.0	115.6
141	34.8	29.9	44.9

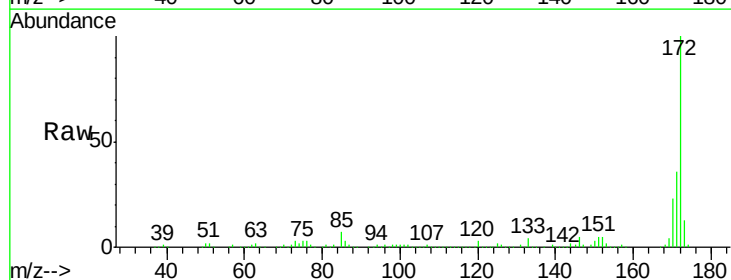


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

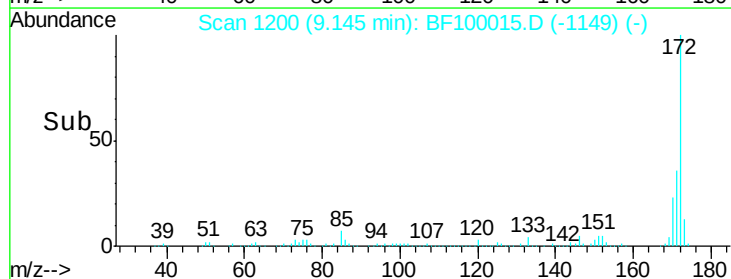
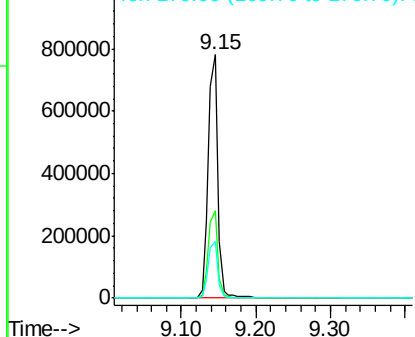


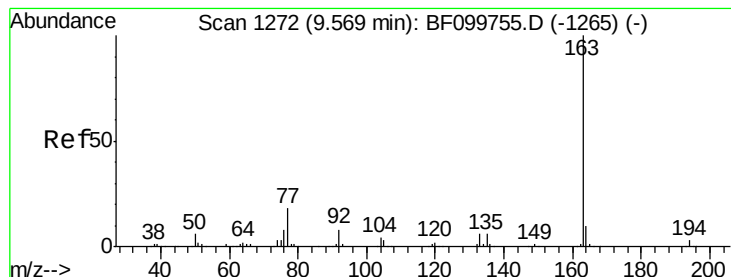
#44
 2-Fluorobiphenyl
 Concen: 64.92 ng
 RT: 9.15 min Scan# 1200
 Delta R.T. 0.00 min
 Lab File: BF100015.D
 Acq: 31 Oct 2017 20:34

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.7	29.7	44.5
170	23.5	19.6	29.4



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





#49

Dimethylphthalate

Concen: 9.33 ng

RT: 9.54 min Scan# 1267

Delta R.T. -0.01 min

Lab File: BF100015.D

Acq: 31 Oct 2017 20:34

Instrument :

BNA_F

ClientSampleId :

EPE-M-6(5-10)

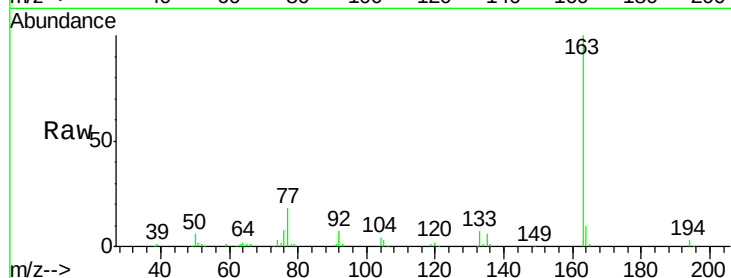
Tgt Ion:163 Resp: 124149

Ion Ratio Lower Upper

163 100

194 3.3 2.7 4.1

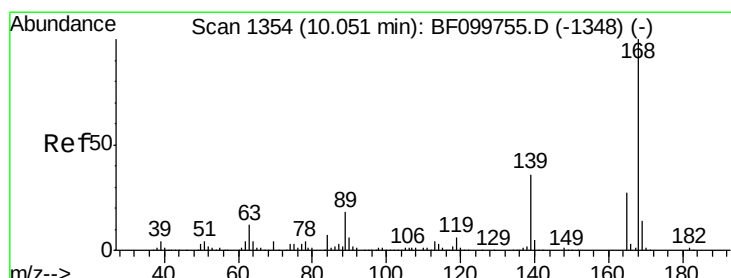
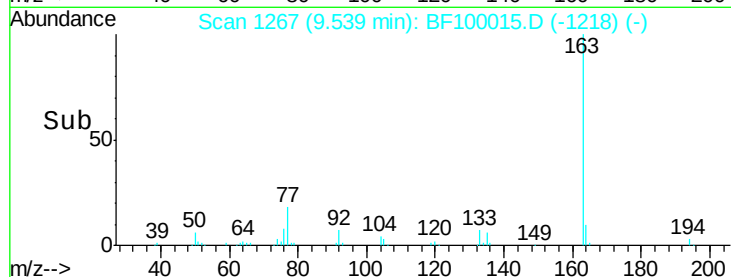
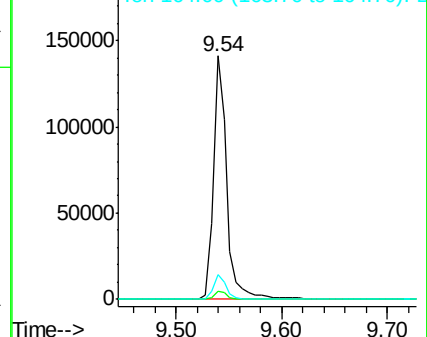
164 10.2 8.2 12.2



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



#56

2,4-Dinitrotoluene

Concen: 6.28 ng

RT: 9.82 min Scan# 1315

Delta R.T. -0.22 min

Lab File: BF100015.D

Acq: 31 Oct 2017 20:34

Tgt Ion:165 Resp: 21178

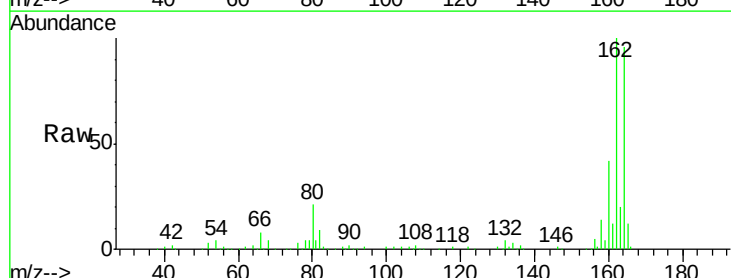
Ion Ratio Lower Upper

165 100

63 0.0 36.4 54.6#

89 1.4 57.8 86.6#

182 0.0 1.6 2.4#

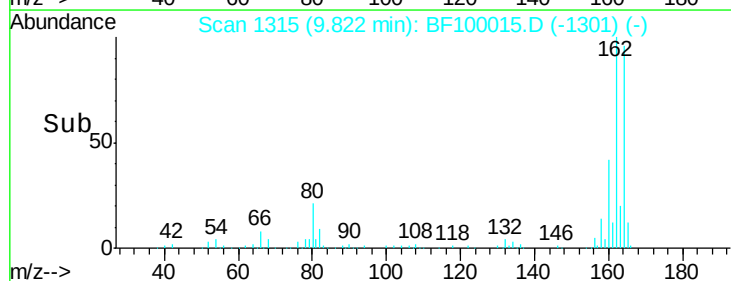
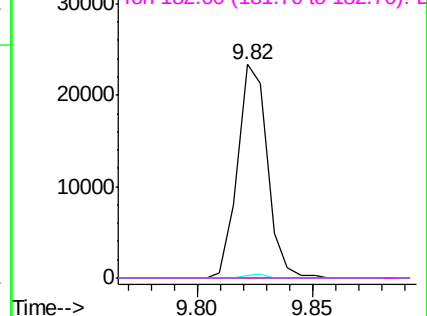


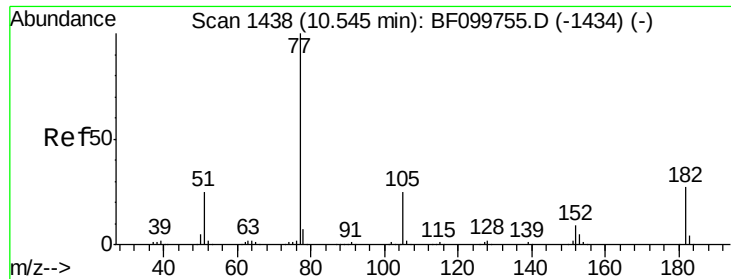
Abundance Ion 165.00 (164.70 to 165.70): E

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





#62

Azobenzene

Concen: 2.79 ng

RT: 10.54 min Scan# 1437

Delta R.T. 0.01 min

Lab File: BF100015.D

Acq: 31 Oct 2017 20:34

Instrument :

BNA_F

ClientSampleId :

EPE-M-6(5-10)

Tgt Ion: 77 Resp: 30411

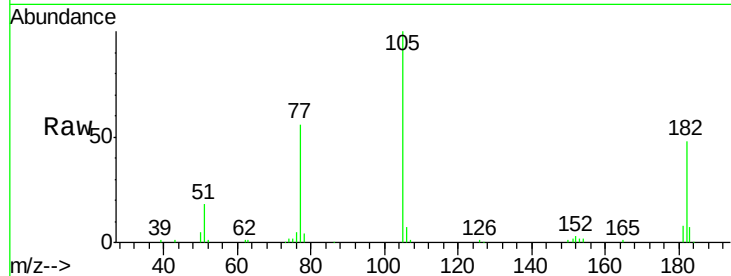
Ion Ratio Lower Upper

77 100

182 85.2 1.7 41.7#

105 178.6 3.0 43.0#

51 32.8 9.9 49.9

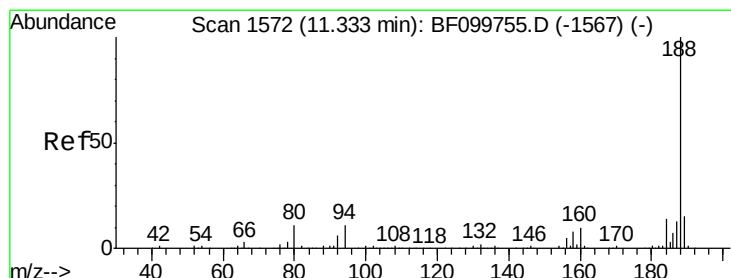
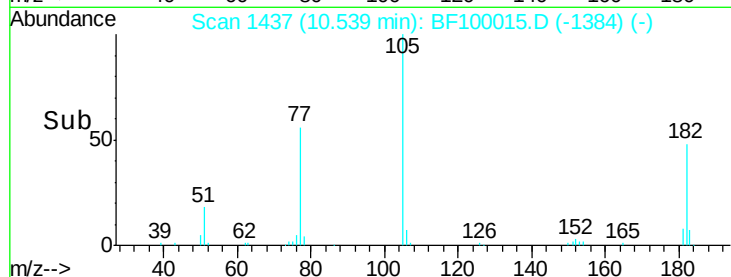
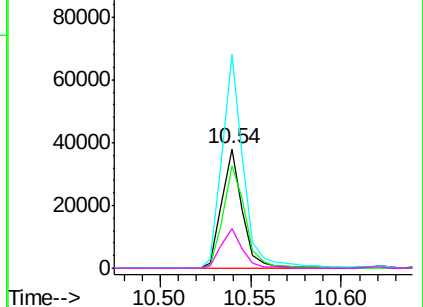


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.32 min Scan# 1570

Delta R.T. 0.00 min

Lab File: BF100015.D

Acq: 31 Oct 2017 20:34

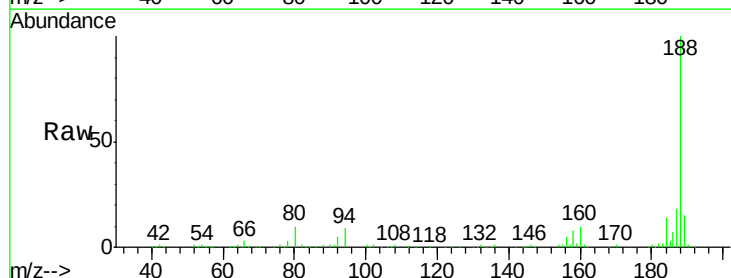
Tgt Ion: 188 Resp: 287043

Ion Ratio Lower Upper

188 100

94 9.2 8.5 12.7

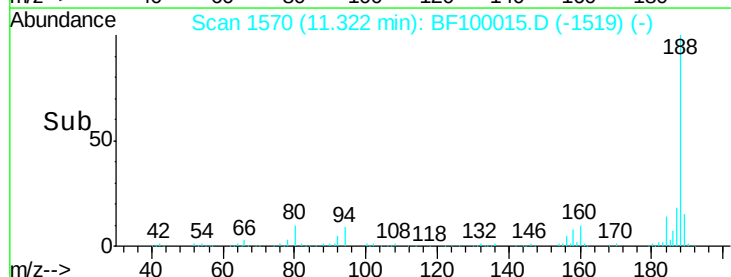
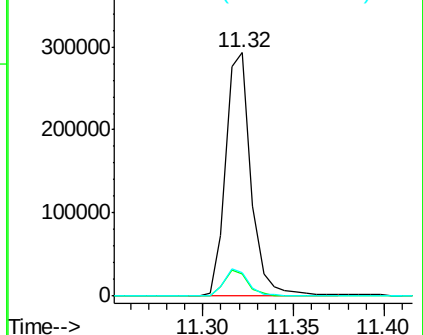
80 9.7 9.2 13.8

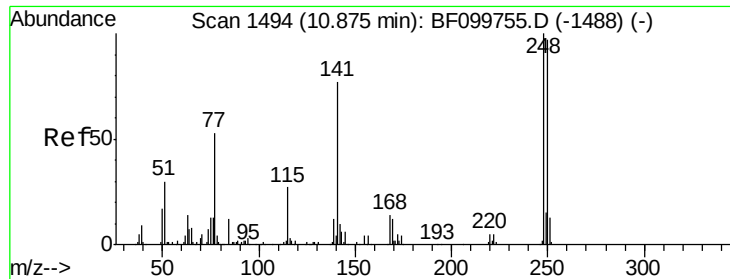


Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

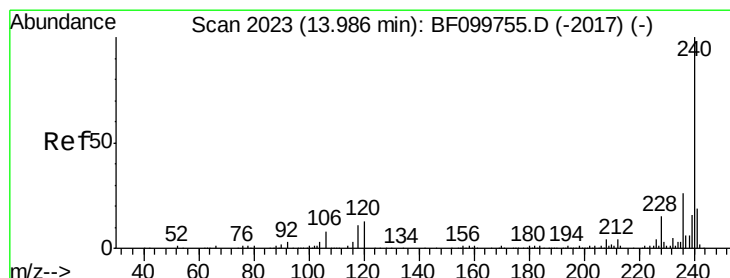
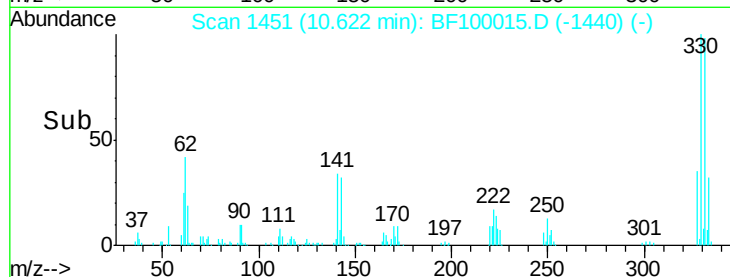
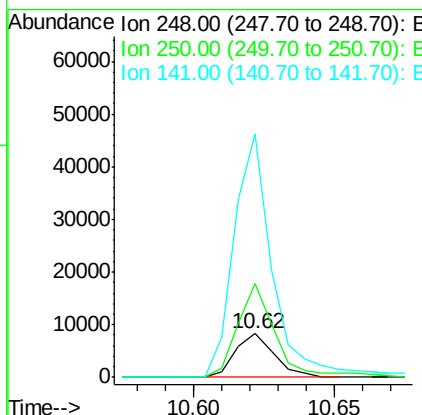
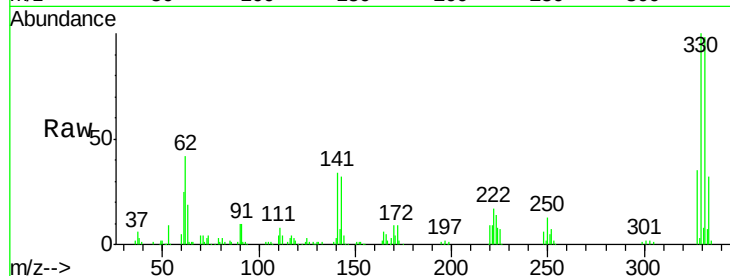




#66
 4-Bromophenyl-phenylether
 Concen: 2.66 ng
 RT: 10.62 min Scan# 1451
 Delta R.T. -0.24 min
 Lab File: BF100015.D
 Acq: 31 Oct 2017 20:34

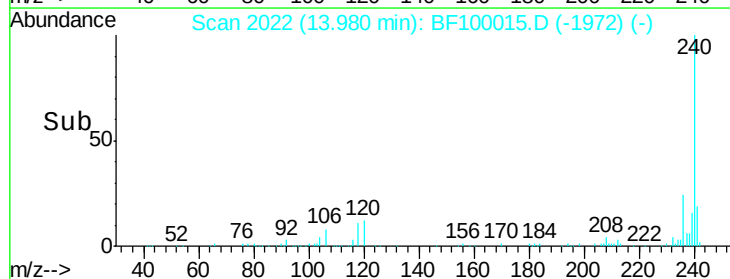
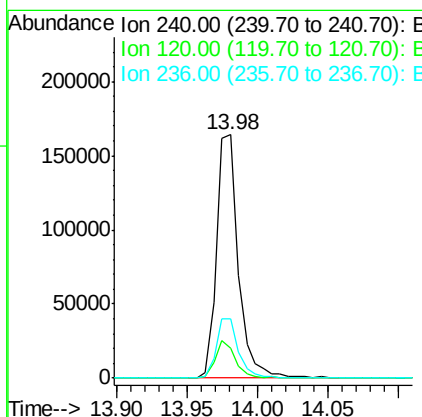
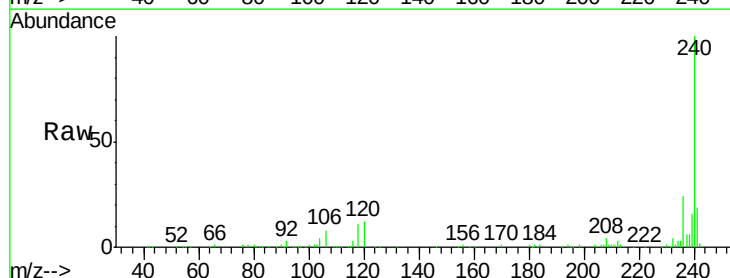
Instrument :
 BNA_F
 ClientSampleId :
 EPE-M-6(5-10)

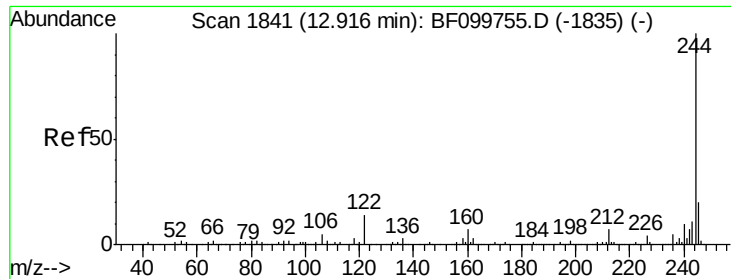
Tgt Ion: 248 Resp: 8035
 Ion Ratio Lower Upper
 248 100
 250 213.5 76.9 115.3#
 141 556.3 74.4 111.6#



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.98 min Scan# 2022
 Delta R.T. -0.01 min
 Lab File: BF100015.D
 Acq: 31 Oct 2017 20:34

Tgt Ion: 240 Resp: 176454
 Ion Ratio Lower Upper
 240 100
 120 12.3 9.5 14.3
 236 24.5 20.7 31.1





#78

Terphenyl-d14

Concen: 71.76 ng

RT: 12.90 min Scan# 1839

Delta R.T. 0.00 min

Lab File: BF100015.D

Acq: 31 Oct 2017 20:34

Instrument :

BNA_F

ClientSampleId :

EPE-M-6(5-10)

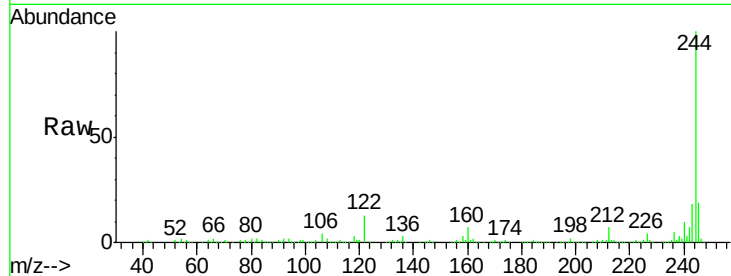
Tgt Ion:244 Resp: 579387

Ion Ratio Lower Upper

244 100

212 6.8 5.4 8.0

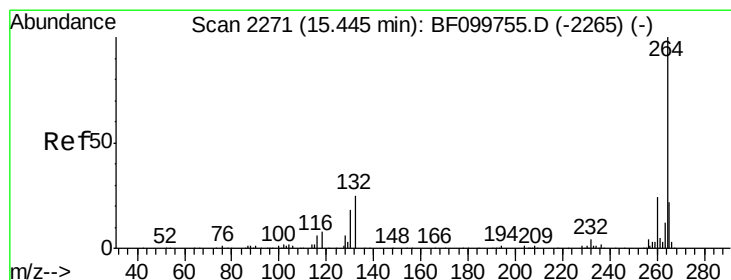
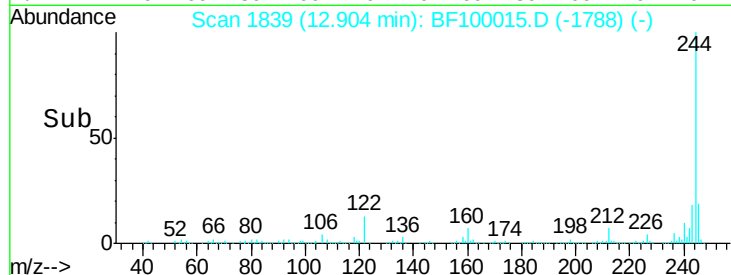
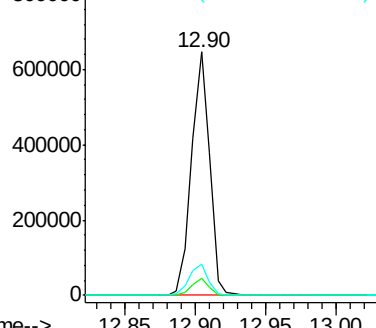
122 13.0 11.0 16.4



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.46 min Scan# 2274

Delta R.T. -0.01 min

Lab File: BF100015.D

Acq: 31 Oct 2017 20:34

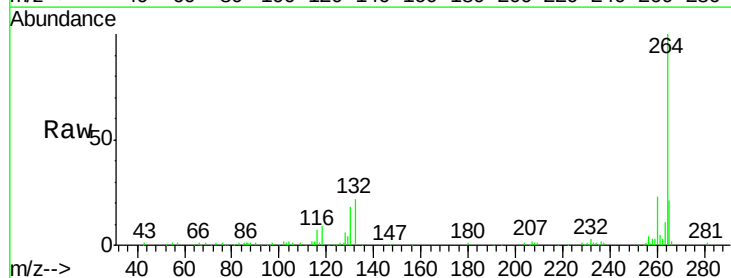
Tgt Ion:264 Resp: 153637

Ion Ratio Lower Upper

264 100

260 23.3 19.2 28.8

265 21.4 17.5 26.3



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

