

Data File : BF100750.D
Acq On : 21 Nov 2017 00:21
Operator : SJ/JU
Sample : I6503-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
EPE-109-3(0-5)

Quant Time: Nov 21 03:32:55 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 15:22:08 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.87	152	100044	20.00	ng	0.00
21) Naphthalene-d8	8.15	136	363550	20.00	ng	-0.02
38) Acenaphthene-d10	9.91	164	140018	20.00	ng	-0.01
63) Phenanthrene-d10	11.39	188	209071	20.00	ng	-0.01
75) Chrysene-d12	14.03	240	220904	20.00	ng	-0.01
86) Perylene-d12	15.51	264	174810	20.00	ng	0.00

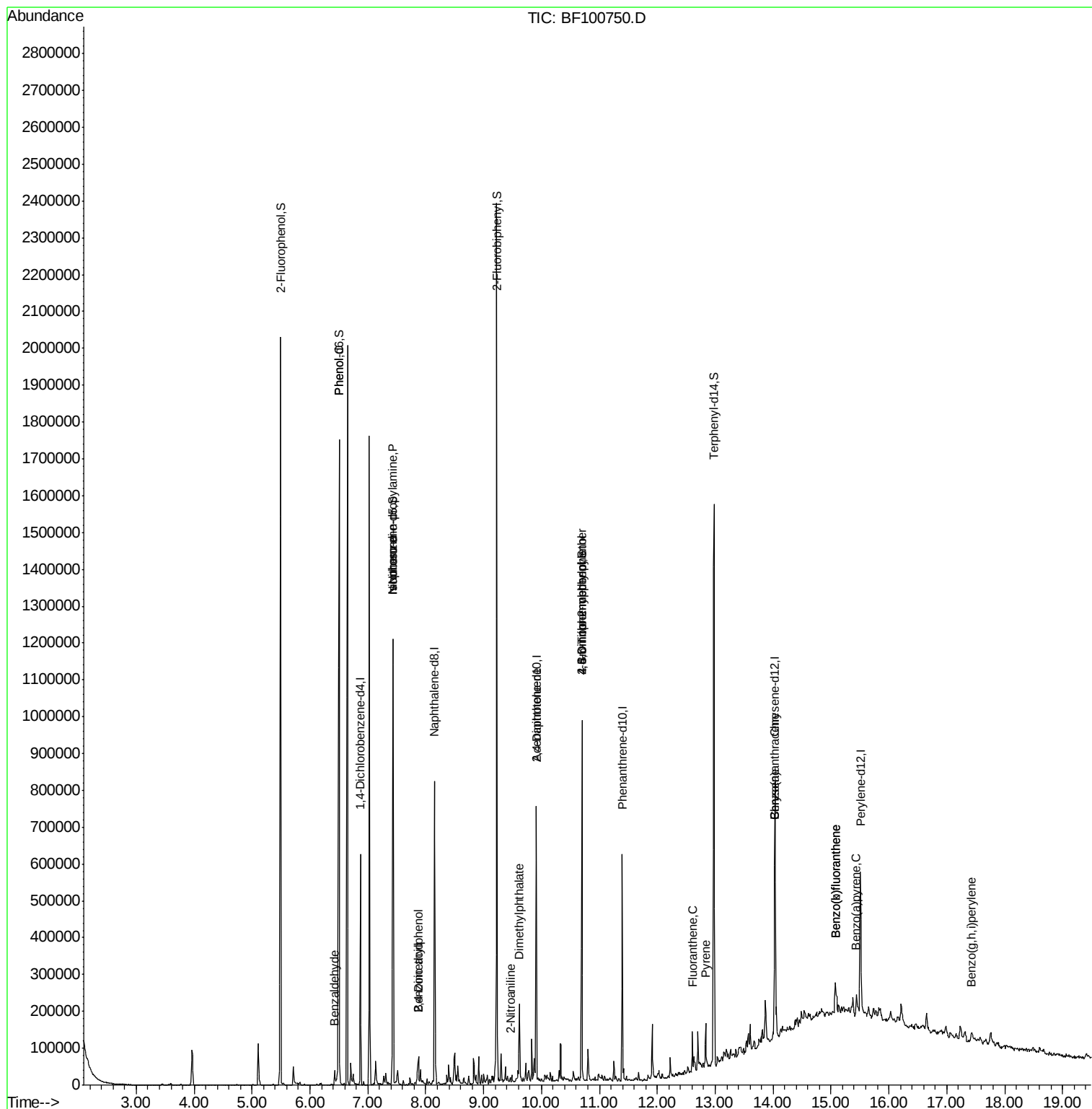
System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.49	112	595366	95.39	ng	0.00
7) Phenol-d6	6.50	99	707470	91.93	ng	0.00
23) Nitrobenzene-d5	7.43	82	429525	78.11	ng	-0.02
41) 2,4,6-Tribromophenol	10.70	330	126445	88.62	ng	-0.01
44) 2-Fluorobiphenyl	9.23	172	726161	78.97	ng	-0.01
78) Terphenyl-d14	12.98	244	534430	55.59	ng	0.00

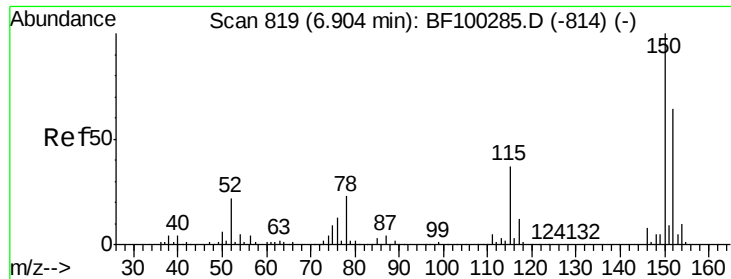
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.43	77	11234	2.04	ng	88
10) Phenol	6.51	94	27132	3.36	ng	93
19) n-Nitroso-di-n-propylamine	7.43	70	56413	10.57	ng	# 80
25) Isophorone	7.43	82	429518	37.17	ng	# 64
27) 2,4-Dimethylphenol	7.87	122	25831	4.99	ng	# 4
32) Benzoic acid	7.87	122	25831	14.61	ng	98
47) 2-Nitroaniline	9.46	65	576	2.99	ng	# 2
49) Dimethylphthalate	9.62	163	69883	6.54	ng	98
56) 2,4-Dinitrotoluene	9.91	165	18330	6.87	ng	# 24
64) 4,6-Dinitro-2-methylphenol	10.70	198	263	8.77	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	7950	3.55	ng	# 1
74) Fluoranthene	12.60	202	38304	3.28	ng	96
77) Pyrene	12.83	202	45022	2.86	ng	99
80) Benzo(a)anthracene	14.02	228	36115	2.71	ng	93
82) Chrysene	14.02	228	36115	2.80	ng	97
87) Benzo(b)fluoranthene	15.07	252	57601	5.56	ng	# 93
88) Benzo(k)fluoranthene	15.07	252	57601	5.89	ng	# 96
89) Benzo(a)pyrene	15.44	252	27066	2.95	ng	# 91
91) Benzo(g,h,i)perylene	17.43	276	17318	2.36	ng	# 92

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

ALS Vial : 18 Sample Multiplier: 1

Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.87 min Scan# 814

Delta R.T. -0.01 min

Lab File: BF100750.D

Acq: 21 Nov 2017 00:21

Instrument :

BNA_F

ClientSampleId :

EPE-109-3(0-5)

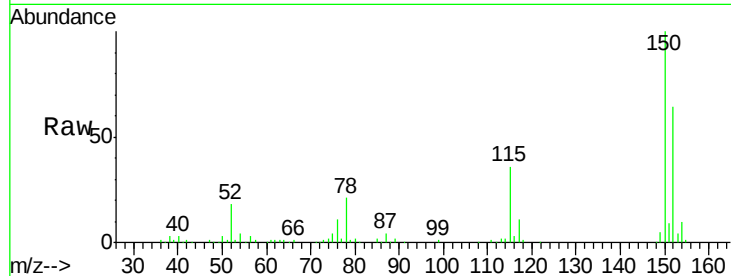
Tgt Ion:152 Resp: 100044

Ion Ratio Lower Upper

152 100

150 155.9 124.6 186.8

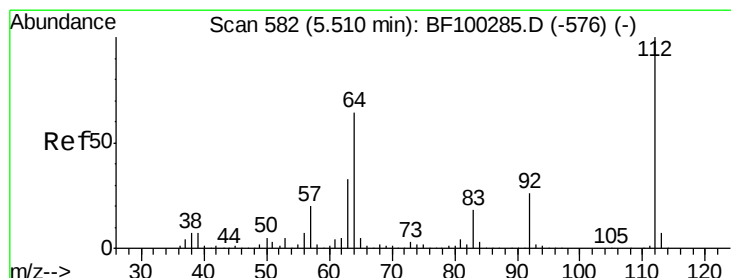
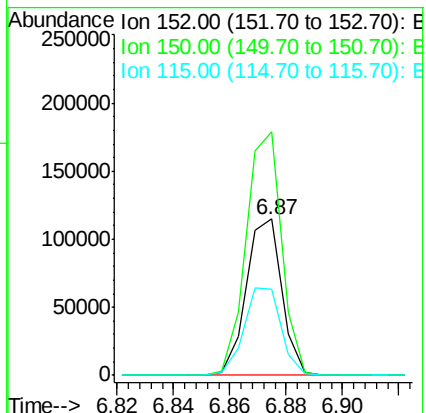
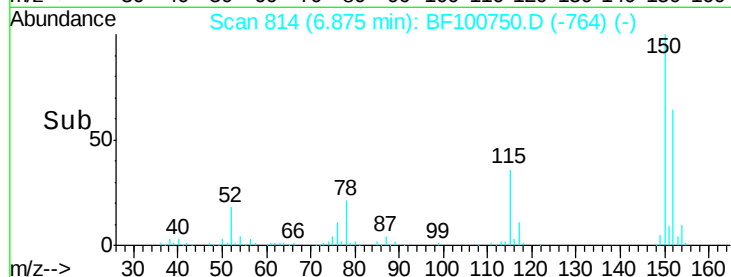
115 55.4 50.1 75.1



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: 95.39 ng

RT: 5.49 min Scan# 579

Delta R.T. -0.00 min

Lab File: BF100750.D

Acq: 21 Nov 2017 00:21

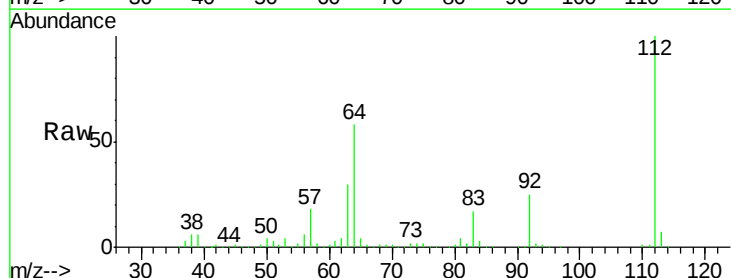
Tgt Ion:112 Resp: 595366

Ion Ratio Lower Upper

112 100

64 58.4 47.9 71.9

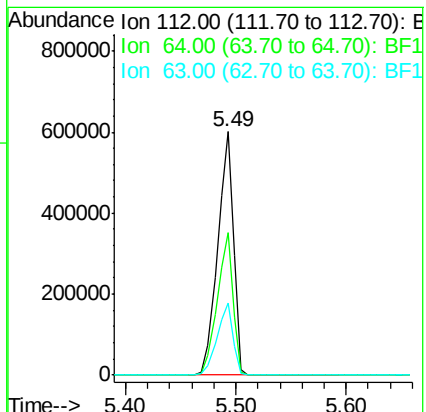
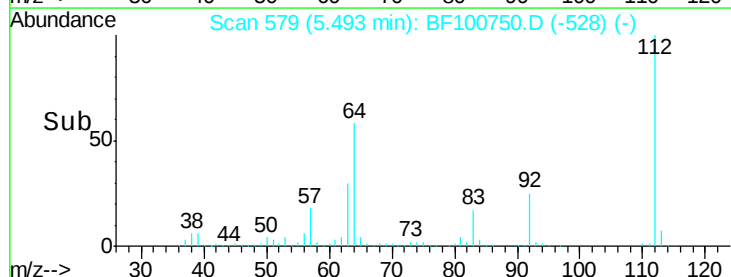
63 29.8 23.7 35.5



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: 91.93 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF100750.D

Acq: 21 Nov 2017 00:21

Instrument :

BNA_F

ClientSampleId :

EPE-109-3(0-5)

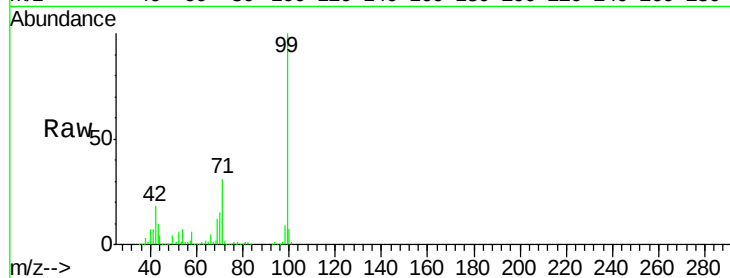
Tgt Ion: 99 Resp: 707470

Ion Ratio Lower Upper

99 100

42 17.8 14.5 21.7

71 31.4 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

6.50

800000

600000

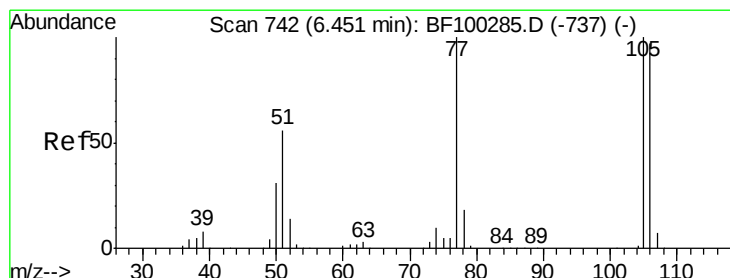
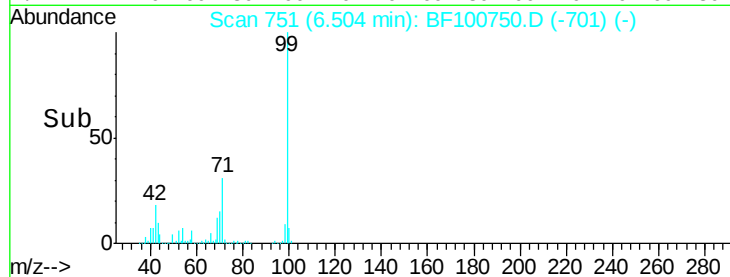
400000

200000

0

6.40 6.45 6.50 6.55 6.60

Time-->



#9

Benzaldehyde

Concen: 2.04 ng

RT: 6.43 min Scan# 738

Delta R.T. -0.01 min

Lab File: BF100750.D

Acq: 21 Nov 2017 00:21

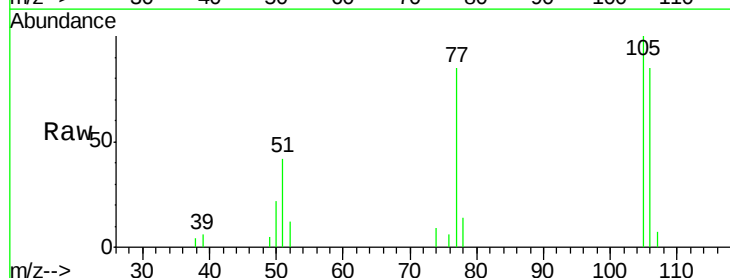
Tgt Ion: 77 Resp: 11234

Ion Ratio Lower Upper

77 100

105 118.2 81.1 121.1

106 100.6 74.5 114.5



Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 106.00 (105.70 to 106.70): BF1

6.43

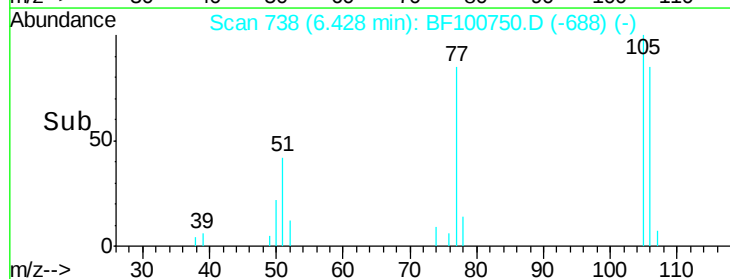
10000

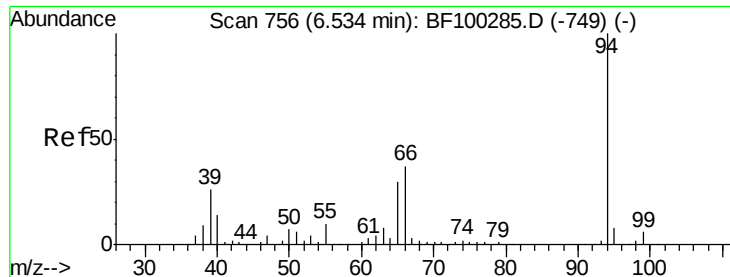
5000

0

6.40 6.45 6.50

Time-->





#10

Phenol

Concen: 3.36 ng

RT: 6.51 min Scan# 752

Delta R.T. -0.01 min

Lab File: BF100750.D

Acq: 21 Nov 2017 00:21

Instrument :

BNA_F

ClientSampleId :

EPE-109-3(0-5)

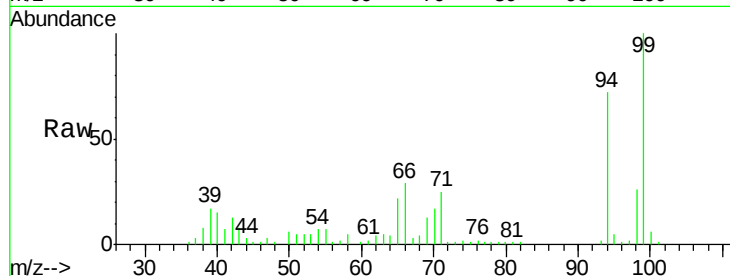
Tgt Ion: 94 Resp: 27132

Ion Ratio Lower Upper

94 100

65 30.7 7.9 47.9

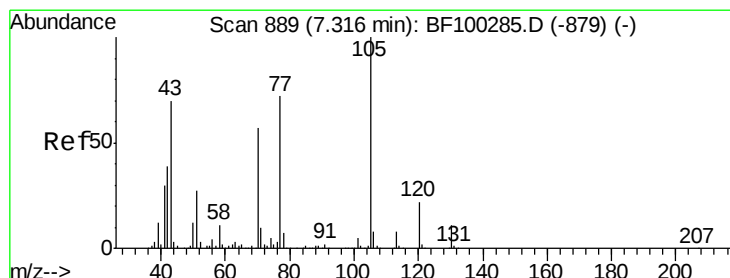
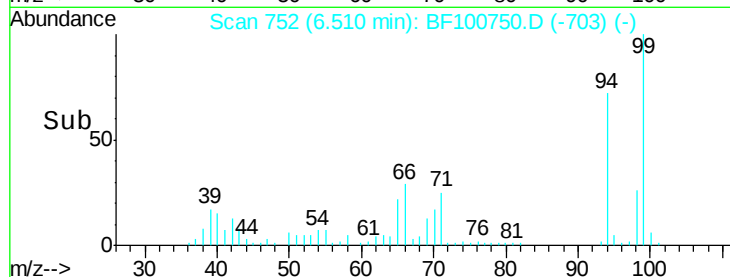
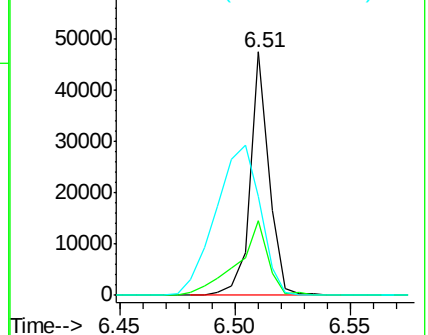
66 40.8 16.2 56.2



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: 10.57 ng

RT: 7.43 min Scan# 909

Delta R.T. 0.14 min

Lab File: BF100750.D

Acq: 21 Nov 2017 00:21

Tgt Ion: 70 Resp: 56413

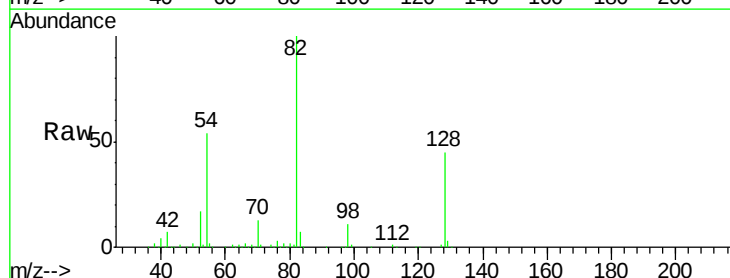
Ion Ratio Lower Upper

70 100

42 50.4 47.5 71.3

101 0.0 7.4 11.2#

130 2.3 16.6 25.0#

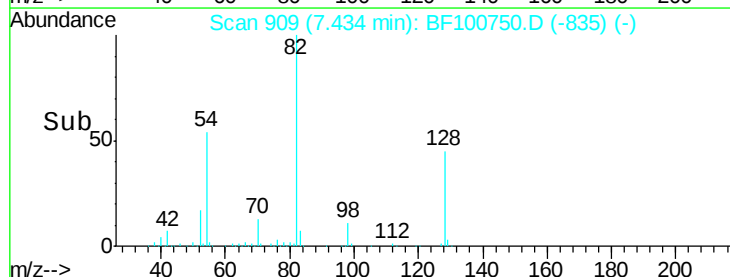
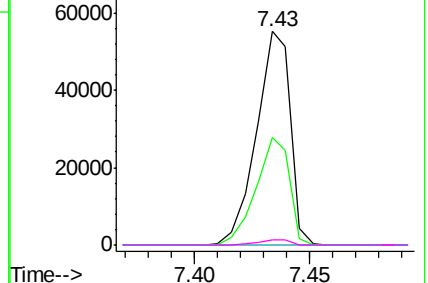


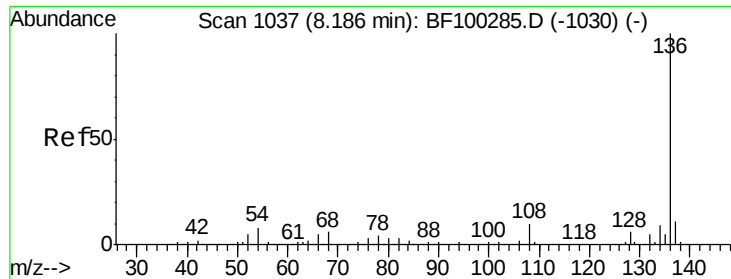
Abundance Ion 70.00 (69.70 to 70.70): BF1

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

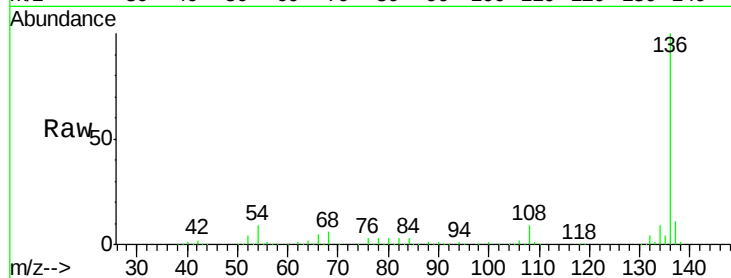




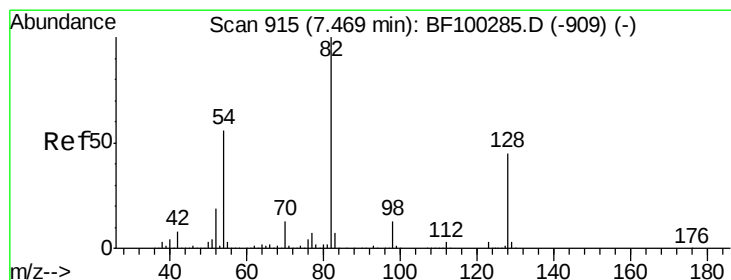
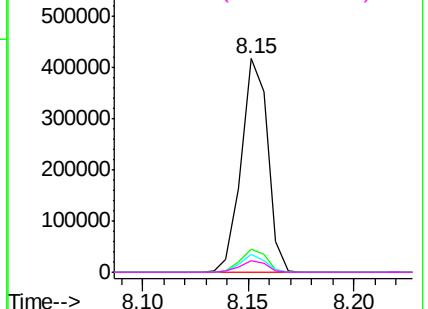
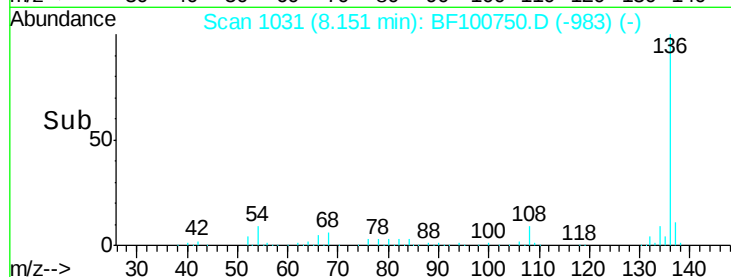
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.15 min Scan# 1031
Delta R.T. -0.02 min
Lab File: BF100750.D
Acq: 21 Nov 2017 00:21

Instrument :
BNA_F
ClientSampleId :
EPE-109-3(0-5)

Tgt Ion:	136	Resp:	363550
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.9	13.3
54	8.5	6.6	9.8
68	5.7	5.0	7.4

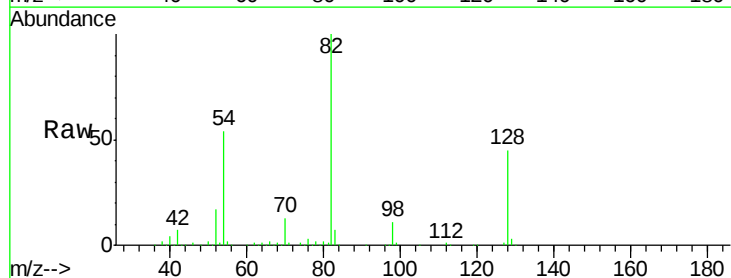


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF1
Ion 68.00 (67.70 to 68.70): BF1

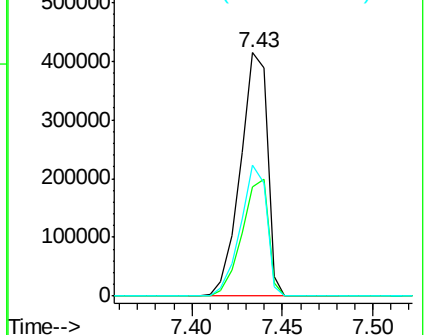
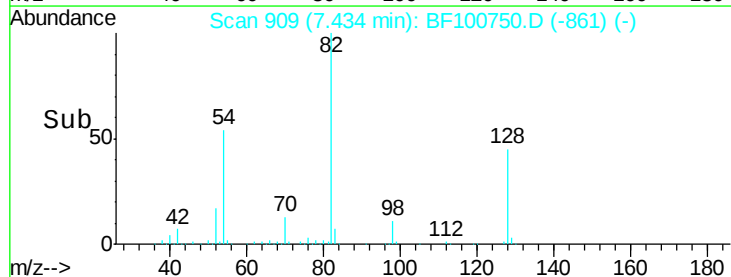


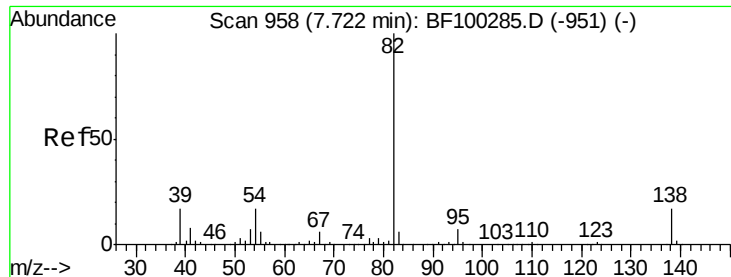
#23
Nitrobenzene-d5
Concen: 78.11 ng
RT: 7.43 min Scan# 909
Delta R.T. -0.02 min
Lab File: BF100750.D
Acq: 21 Nov 2017 00:21

Tgt Ion:	82	Resp:	429525
Ion	Ratio	Lower	Upper
82	100		
128	45.1	36.1	54.1
54	53.6	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: 37.17 ng

RT: 7.43 min Scan# 909

Delta R.T. -0.27 min

Lab File: BF100750.D

Acq: 21 Nov 2017 00:21

Instrument :

BNA_F

ClientSampleId :

EPE-109-3(0-5)

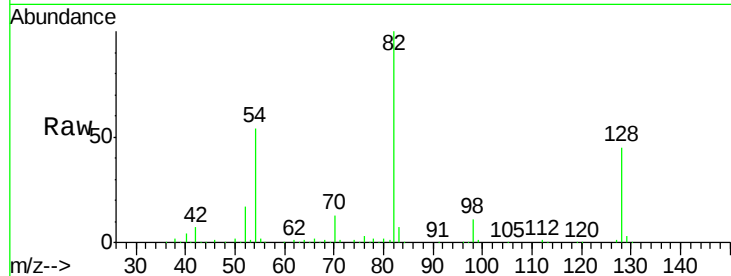
Tgt Ion: 82 Resp: 429518

Ion Ratio Lower Upper

82 100

95 0.0 5.2 7.8#

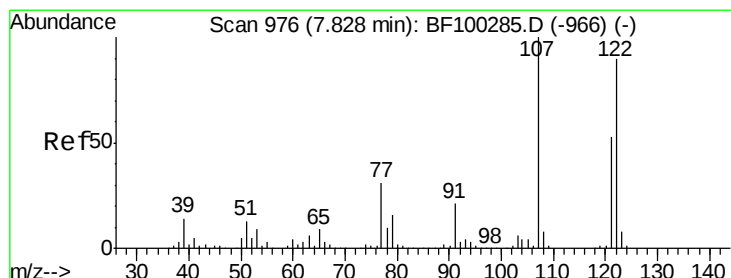
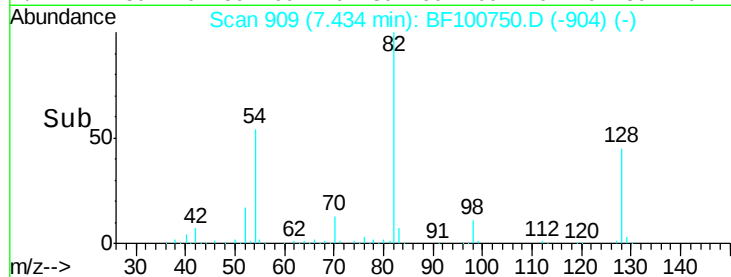
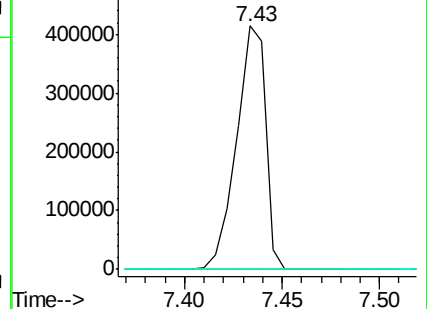
138 0.0 14.9 22.3#



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



#27

2,4-Dimethylphenol

Concen: 4.99 ng

RT: 7.87 min Scan# 984

Delta R.T. 0.06 min

Lab File: BF100750.D

Acq: 21 Nov 2017 00:21

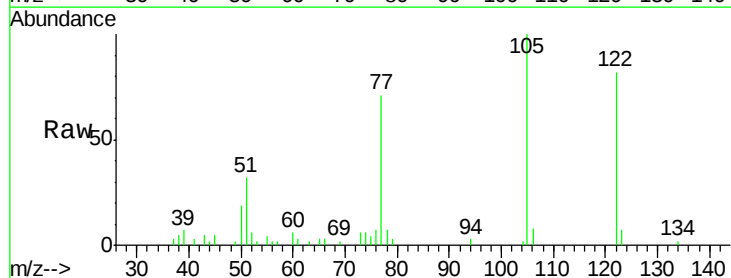
Tgt Ion: 122 Resp: 25831

Ion Ratio Lower Upper

122 100

107 0.0 91.2 136.8#

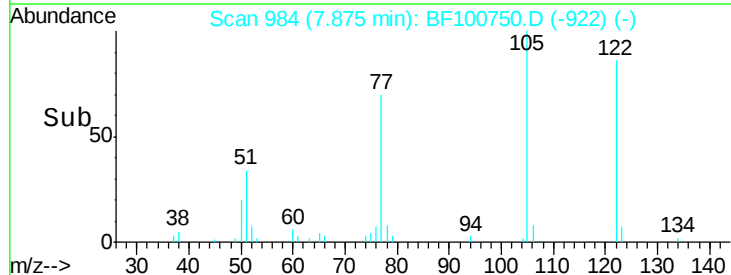
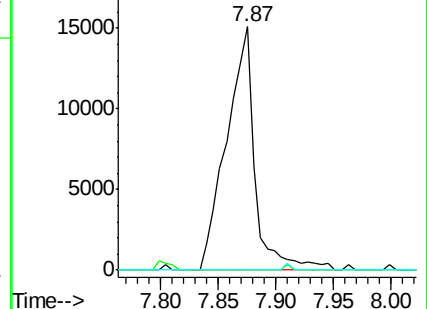
121 0.0 47.2 70.8#

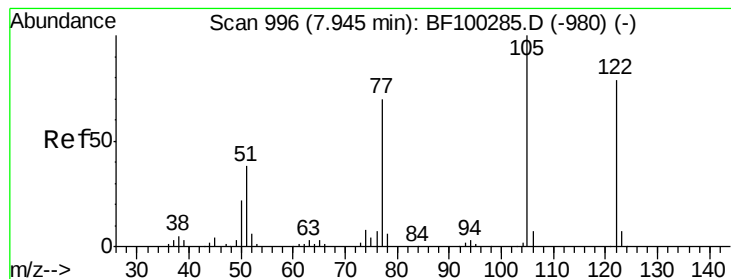


Abundance Ion 122.00 (121.70 to 122.70): BF1

Ion 107.00 (106.70 to 107.70): BF1

Ion 121.00 (120.70 to 121.70): BF1





#32

Benzoic acid

Concen: 14.61 ng

RT: 7.87 min Scan# 984

Delta R.T. -0.06 min

Lab File: BF100750.D

Acq: 21 Nov 2017 00:21

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ClientSampleId :

EPE-109-3(0-5)

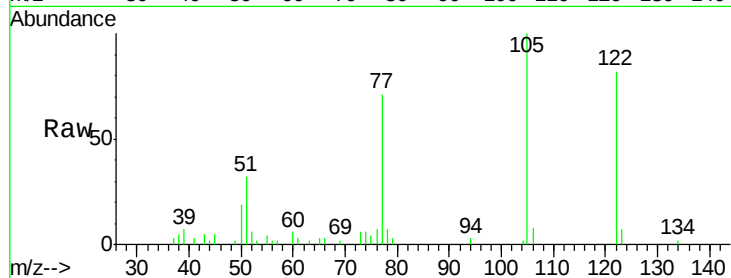
Tgt Ion:122 Resp: 25831

Ion Ratio Lower Upper

122 100

105 121.6 101.1 141.1

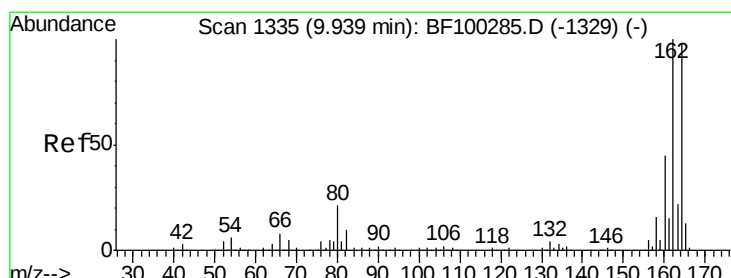
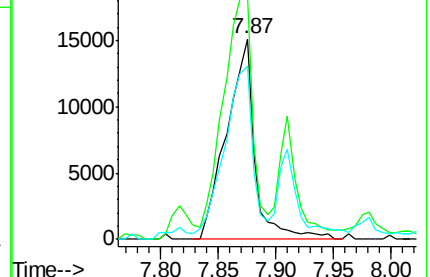
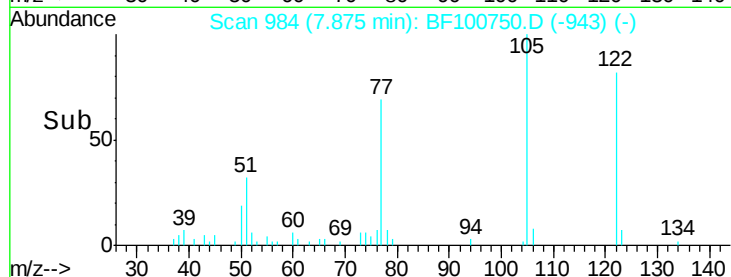
77 86.4 70.7 110.7



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF1



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.91 min Scan# 1330

Delta R.T. -0.01 min

Lab File: BF100750.D

Acq: 21 Nov 2017 00:21

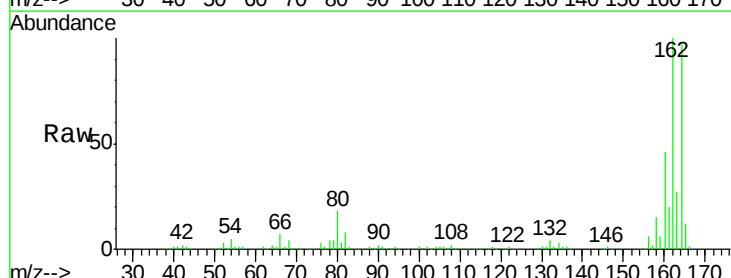
Tgt Ion:164 Resp: 140018

Ion Ratio Lower Upper

164 100

162 103.3 86.1 129.1

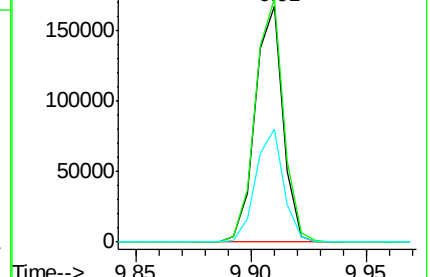
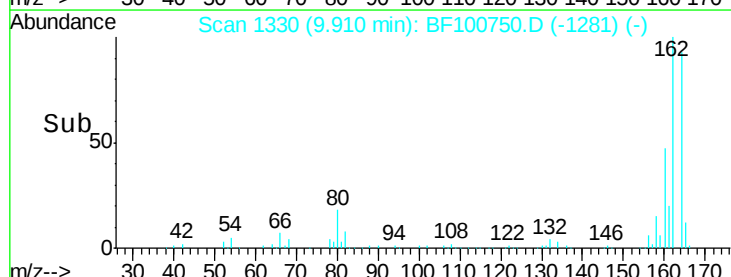
160 47.9 38.3 57.5

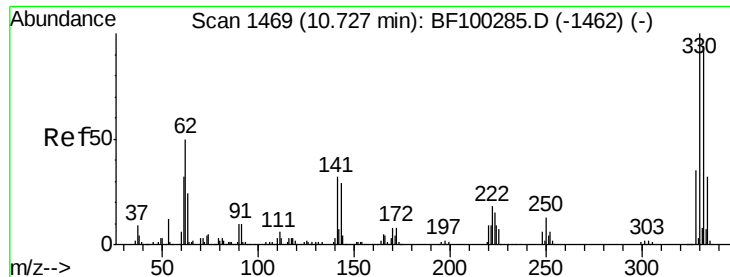


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

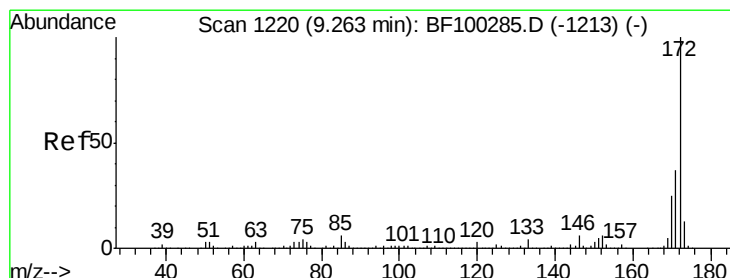
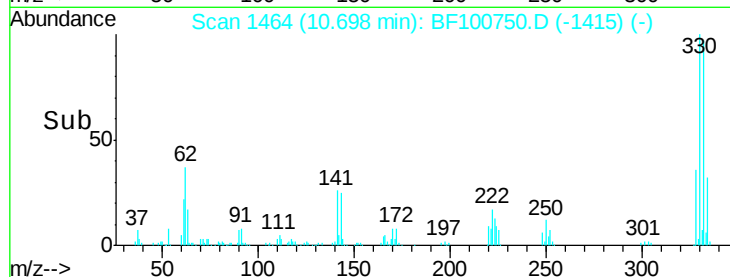
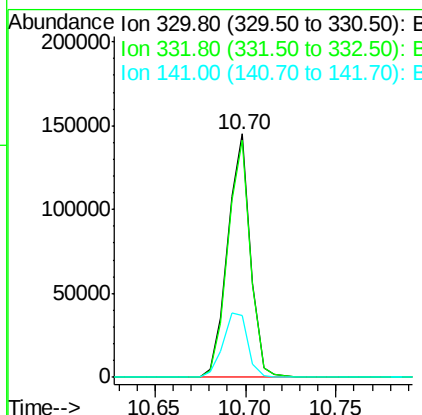
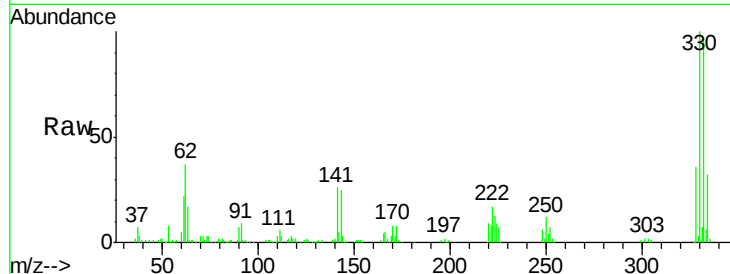




#41
 2,4,6-Tribromophenol
 Concen: 88.62 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. -0.01 min
 Lab File: BF100750.D
 Acq: 21 Nov 2017 00:21

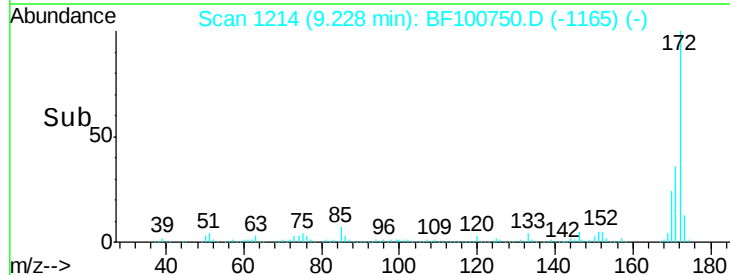
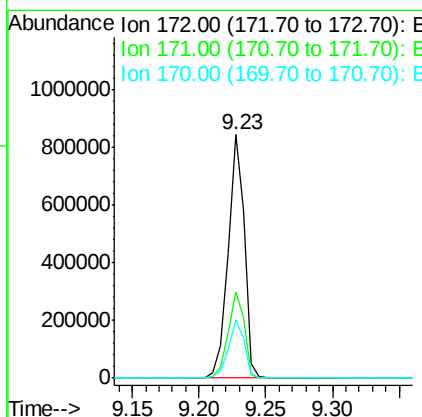
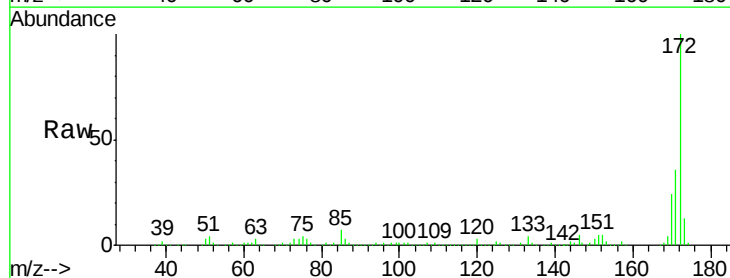
Instrument :
 BNA_F
 ClientSampleId :
 EPE-109-3(0-5)

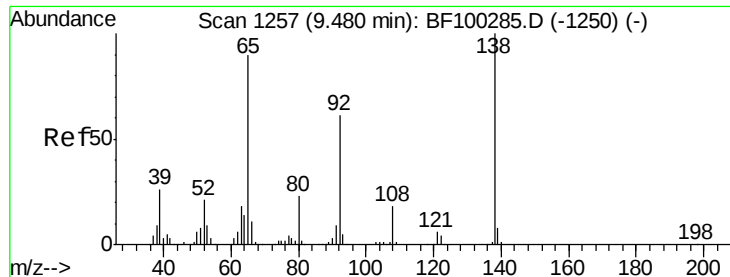
Tgt Ion	Ratio	Lower	Upper
330	100		
332	97.1	77.0	115.6
141	29.2	29.9	44.9#



#44
 2-Fluorobiphenyl
 Concen: 78.97 ng
 RT: 9.23 min Scan# 1214
 Delta R.T. -0.01 min
 Lab File: BF100750.D
 Acq: 21 Nov 2017 00:21

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.6	29.7	44.5
170	23.6	19.6	29.4

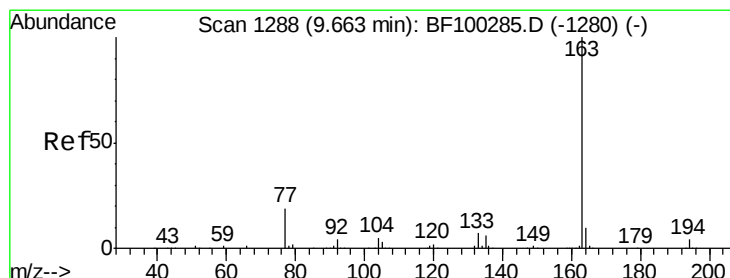
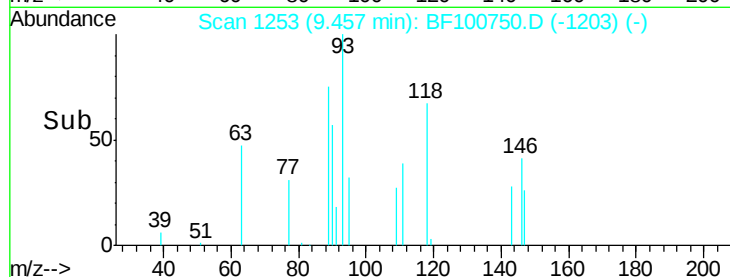
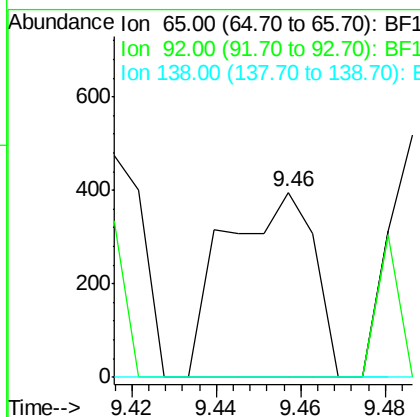
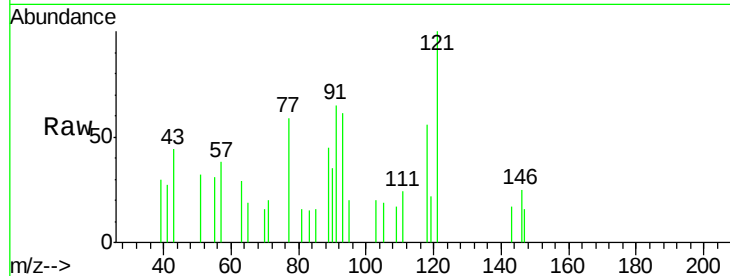




#47
2-Nitroaniline
Concen: 2.99 ng
RT: 9.46 min Scan# 1253
Delta R.T. -0.01 min
Lab File: BF100750.D
Acq: 21 Nov 2017 00:21

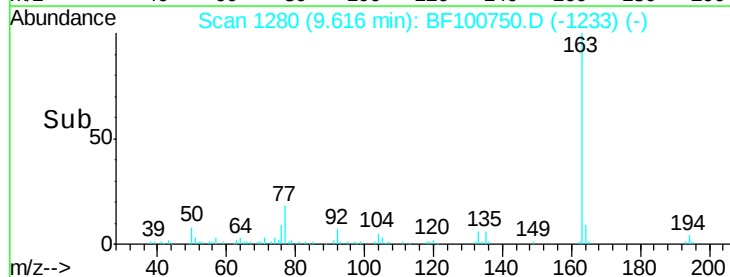
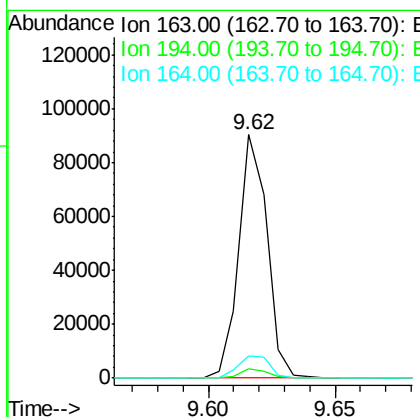
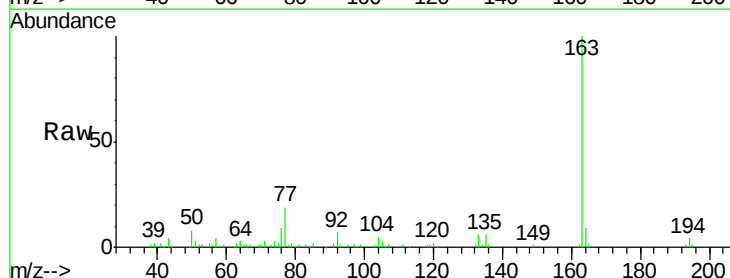
Instrument :
BNA_F
ClientSampleId :
EPE-109-3(0-5)

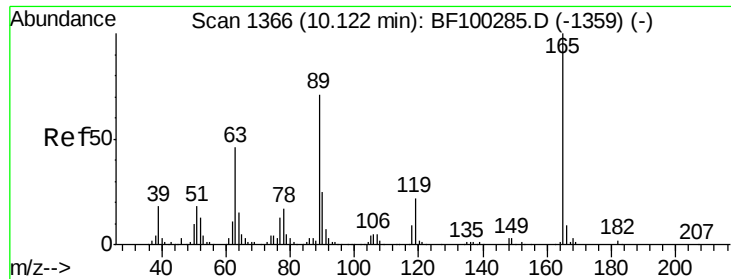
Tgt Ion: 65 Resp: 576
Ion Ratio Lower Upper
65 100
92 0.0 55.8 83.6#
138 0.0 91.2 136.8#



#49
Dimethylphthalate
Concen: 6.54 ng
RT: 9.62 min Scan# 1280
Delta R.T. -0.02 min
Lab File: BF100750.D
Acq: 21 Nov 2017 00:21

Tgt Ion:163 Resp: 69883
Ion Ratio Lower Upper
163 100
194 3.9 2.7 4.1
164 9.3 8.2 12.2

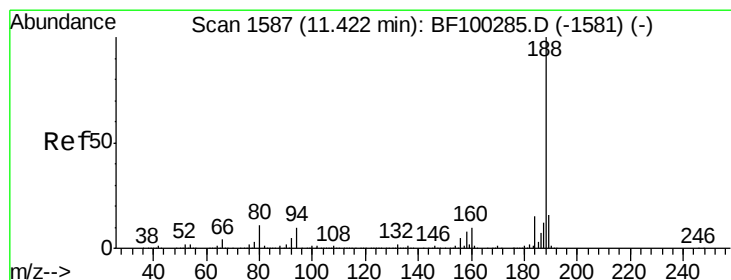
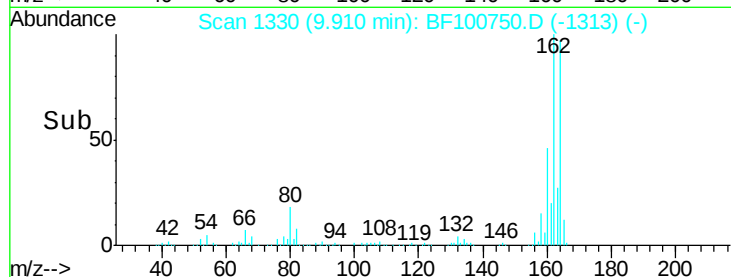
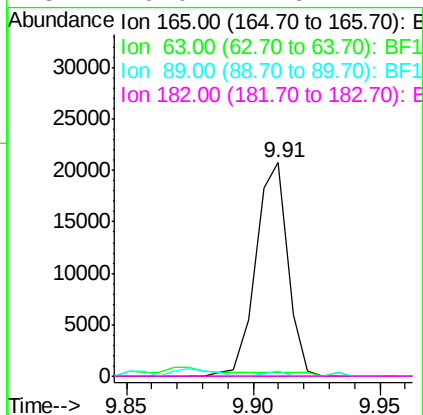
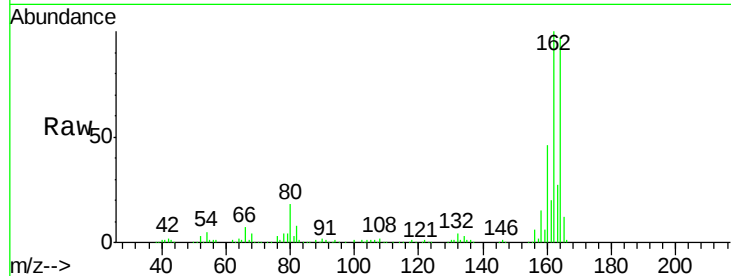




#56
 2,4-Dinitrotoluene
 Concen: 6.87 ng
 RT: 9.91 min Scan# 1330
 Delta R.T. -0.20 min
 Lab File: BF100750.D
 Acq: 21 Nov 2017 00:21

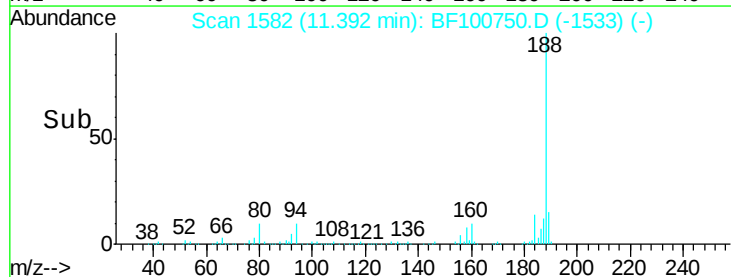
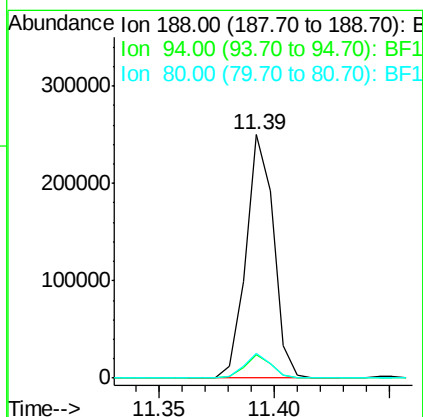
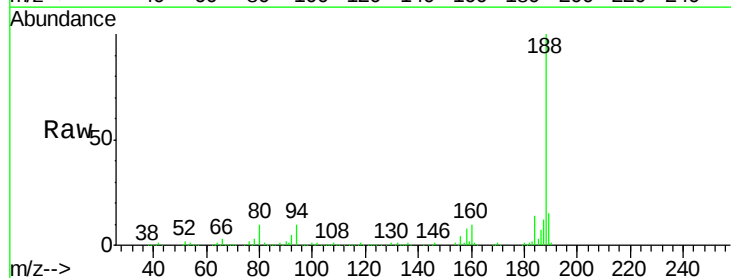
Instrument :
 BNA_F
 ClientSampleId :
 EPE-109-3(0-5)

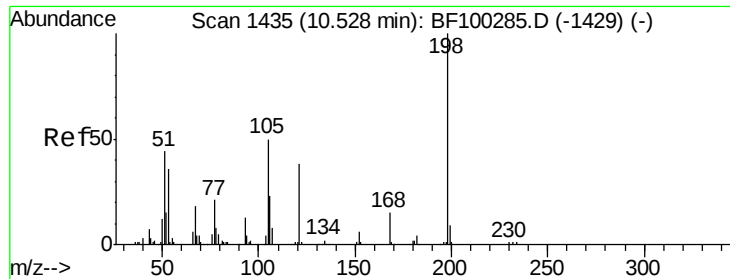
Tgt Ion:	165	Resp:	18330
Ion	Ratio	Lower	Upper
165	100		
63	2.1	36.4	54.6#
89	2.4	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.39 min Scan# 1582
 Delta R.T. -0.01 min
 Lab File: BF100750.D
 Acq: 21 Nov 2017 00:21

Tgt Ion:	188	Resp:	209071
Ion	Ratio	Lower	Upper
188	100		
94	9.8	8.5	12.7
80	10.4	9.2	13.8

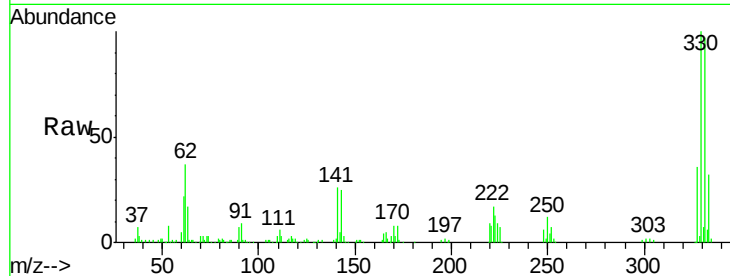




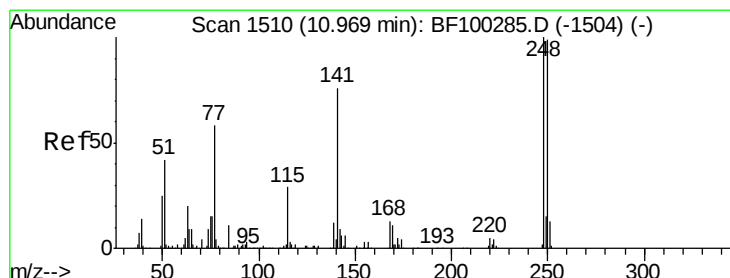
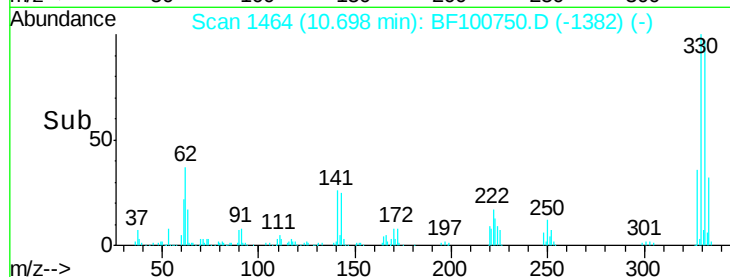
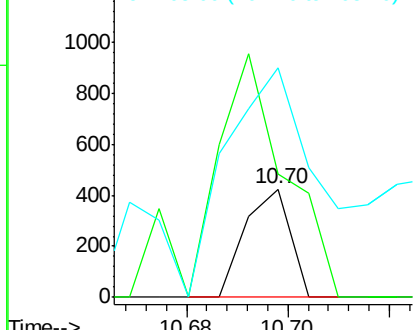
#64
4,6-Dinitro-2-methylphenol
Concen: 8.77 ng
RT: 10.70 min Scan# 1464
Delta R.T. 0.18 min
Lab File: BF100750.D
Acq: 21 Nov 2017 00:21

Instrument :
BNA_F
ClientSampleId :
EPE-109-3(0-5)

Tgt Ion:198 Resp: 263
Ion Ratio Lower Upper
198 100
51 113.4 37.7 77.7#
105 212.2 36.3 76.3#

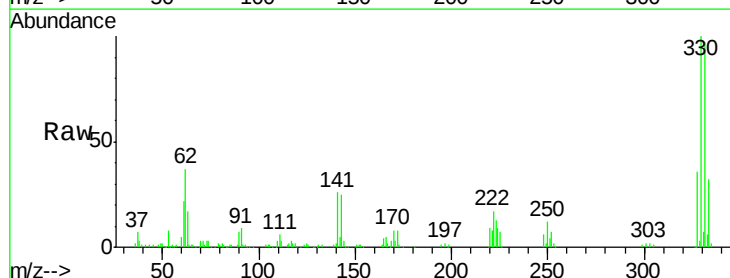


Abundance Ion 198.00 (197.70 to 198.70): E
Ion 51.00 (50.70 to 51.70): BF1
Ion 105.00 (104.70 to 105.70): E

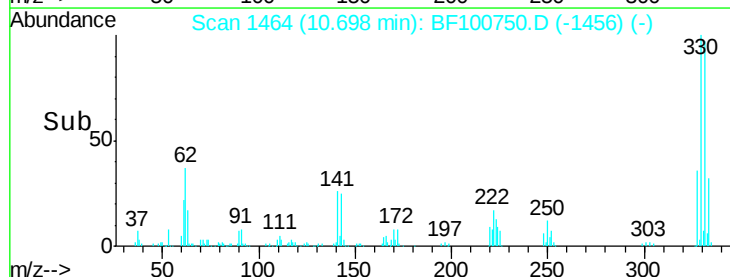
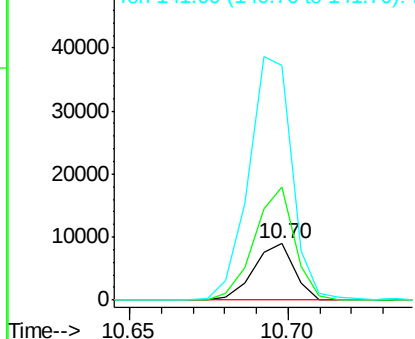


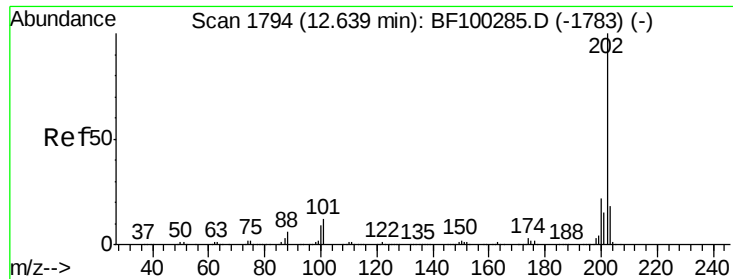
#66
4-Bromophenyl-phenylether
Concen: 3.55 ng
RT: 10.70 min Scan# 1464
Delta R.T. -0.25 min
Lab File: BF100750.D
Acq: 21 Nov 2017 00:21

Tgt Ion:248 Resp: 7950
Ion Ratio Lower Upper
248 100
250 201.4 76.9 115.3#
141 417.4 74.4 111.6#



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

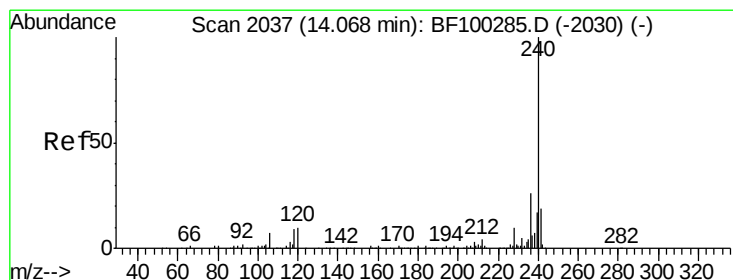
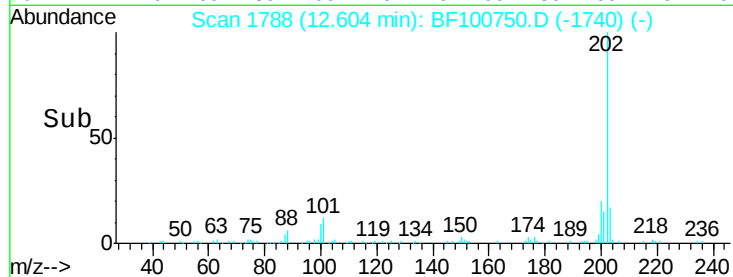
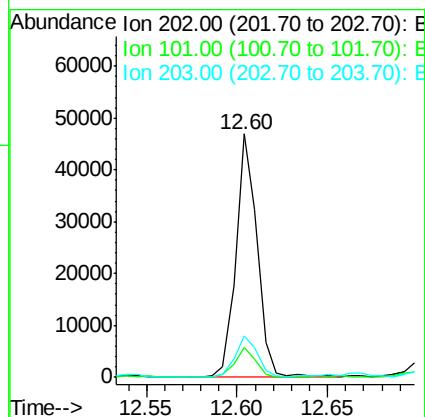
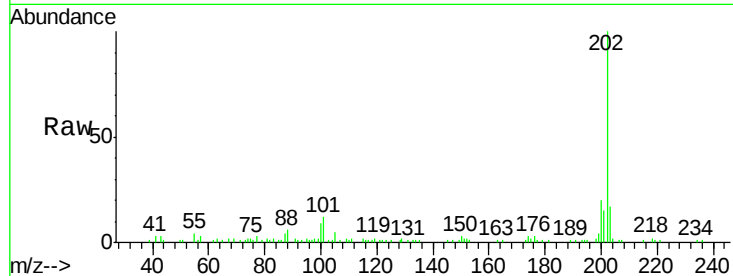




#74
Fluoranthene
Concen: 3.28 ng
RT: 12.60 min Scan# 1788
Delta R.T. -0.02 min
Lab File: BF100750.D
Acq: 21 Nov 2017 00:21

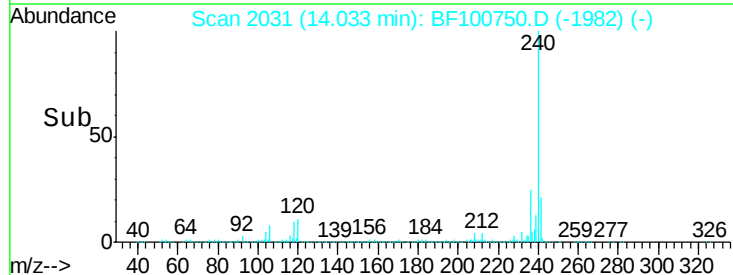
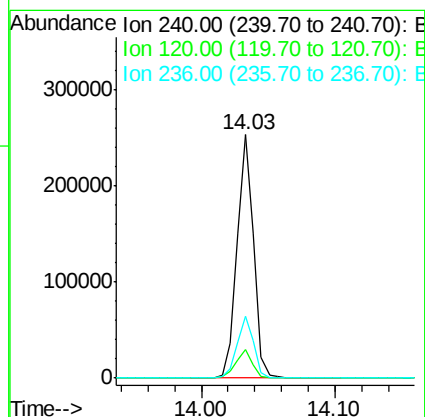
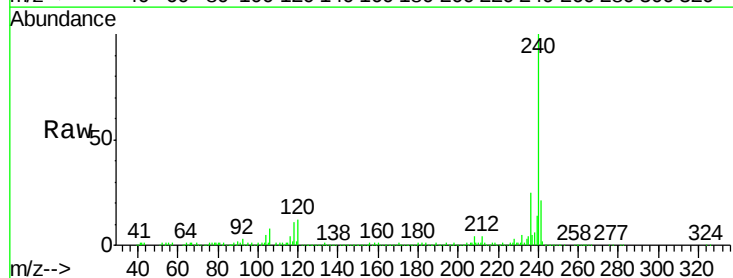
Instrument :
BNA_F
ClientSampleId :
EPE-109-3(0-5)

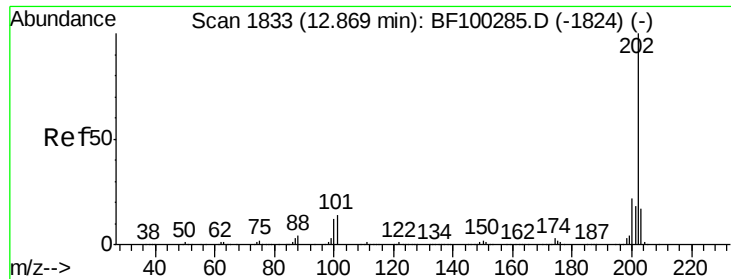
Tgt Ion: 202 Resp: 38304
Ion Ratio Lower Upper
202 100
101 12.3 0.0 34.1
203 16.8 0.0 38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.03 min Scan# 2031
Delta R.T. -0.01 min
Lab File: BF100750.D
Acq: 21 Nov 2017 00:21

Tgt Ion: 240 Resp: 220904
Ion Ratio Lower Upper
240 100
120 11.8 9.5 14.3
236 25.3 20.7 31.1

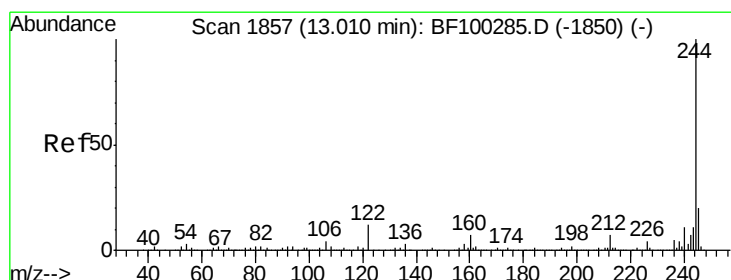
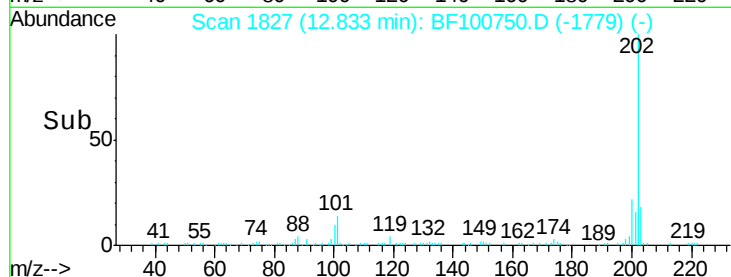
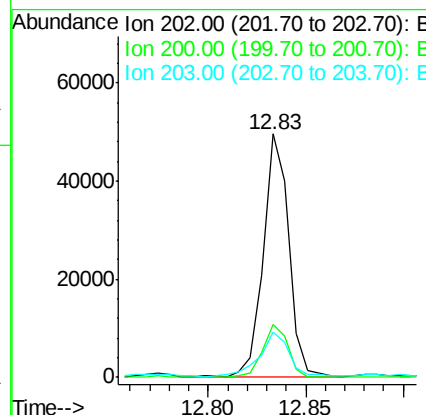
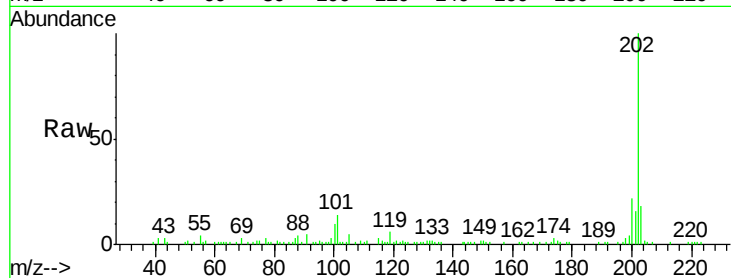




#77
 Pyrene
 Concen: 2.86 ng
 RT: 12.83 min Scan# 1827
 Delta R.T. -0.02 min
 Lab File: BF100750.D
 Acq: 21 Nov 2017 00:21

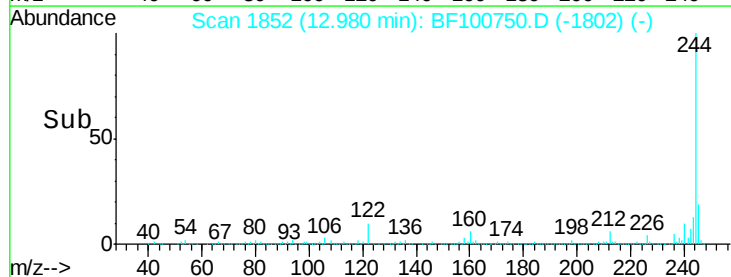
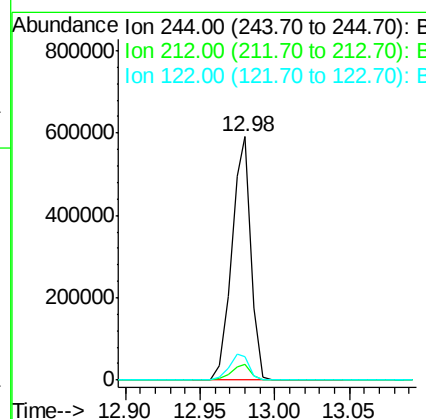
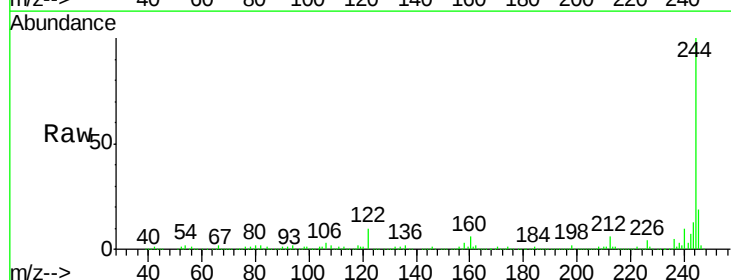
Instrument :
 BNA_F
 ClientSampleId :
 EPE-109-3(0-5)

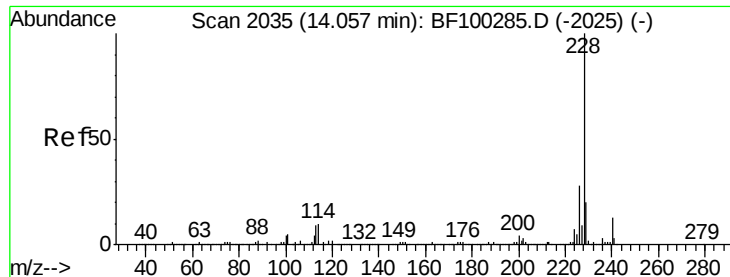
Tgt Ion: 202 Resp: 45022
 Ion Ratio Lower Upper
 202 100
 200 21.7 17.4 26.2
 203 18.5 14.3 21.5



#78
 Terphenyl-d14
 Concen: 55.59 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BF100750.D
 Acq: 21 Nov 2017 00:21

Tgt Ion: 244 Resp: 534430
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 9.7 11.0 16.4#





#80

Benzo(a)anthracene

Concen: 2.71 ng

RT: 14.02 min Scan# 2029

Delta R.T. -0.01 min

Lab File: BF100750.D

Acq: 21 Nov 2017 00:21

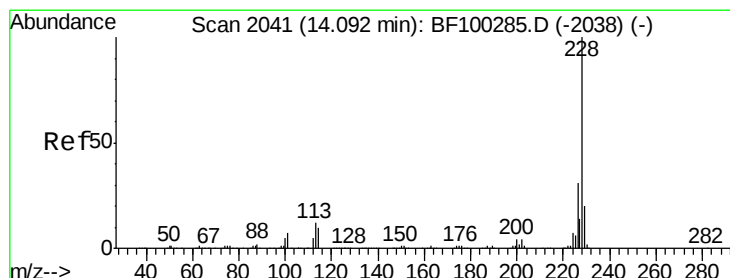
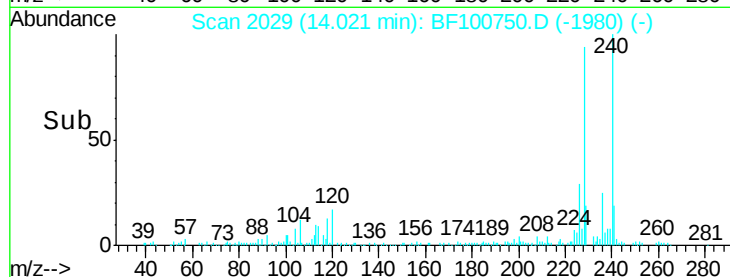
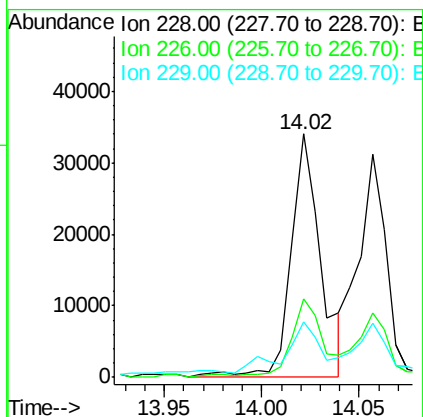
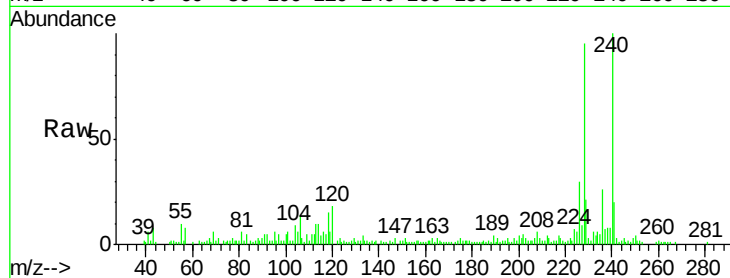
Instrument :

BNA_F

ClientSampleId :

EPE-109-3(0-5)

Tgt Ion:	228	Resp:	36115
Ion	Ratio	Lower	Upper
228	100		
226	32.1	22.6	33.8
229	22.6	15.8	23.6



#82

Chrysene

Concen: 2.80 ng

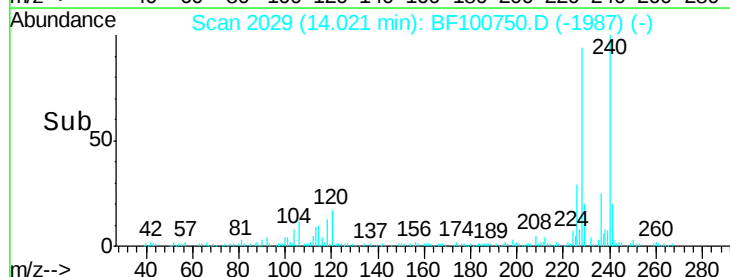
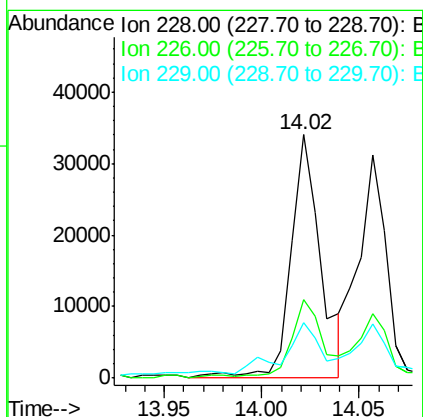
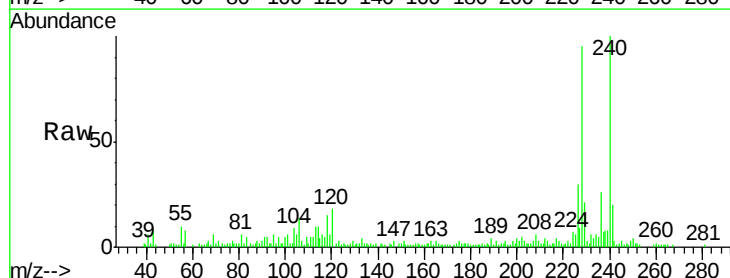
RT: 14.02 min Scan# 2029

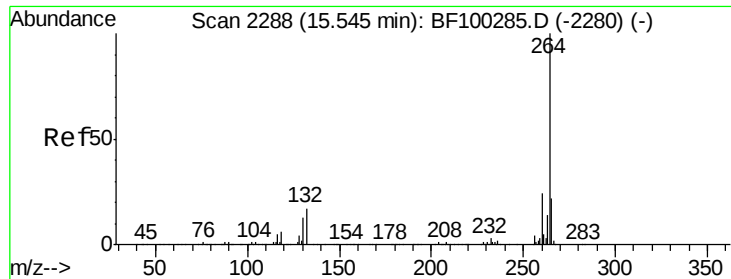
Delta R.T. -0.05 min

Lab File: BF100750.D

Acq: 21 Nov 2017 00:21

Tgt Ion:	228	Resp:	36115
Ion	Ratio	Lower	Upper
228	100		
226	32.1	25.0	37.6
229	22.6	16.2	24.4

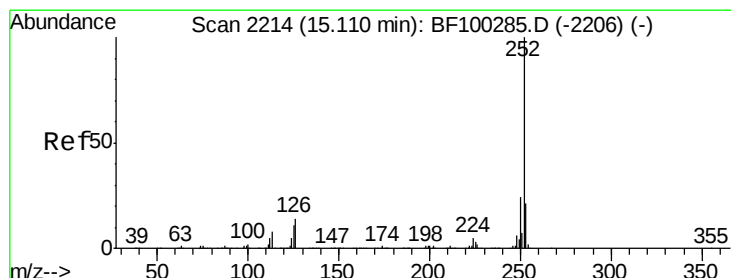
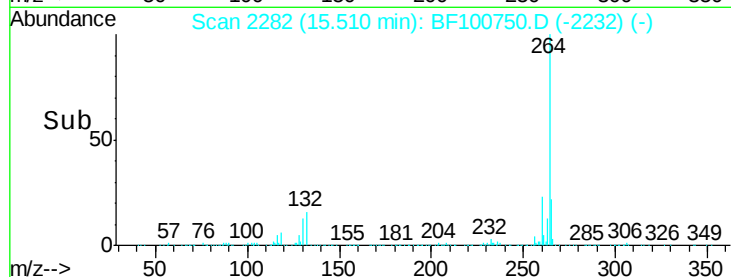
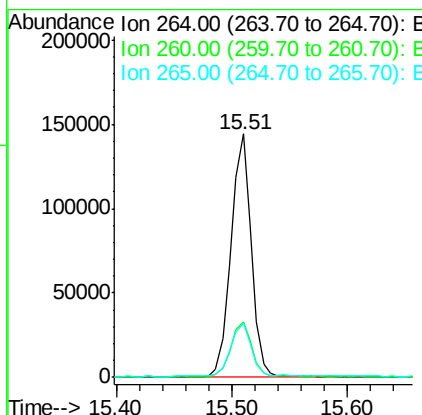
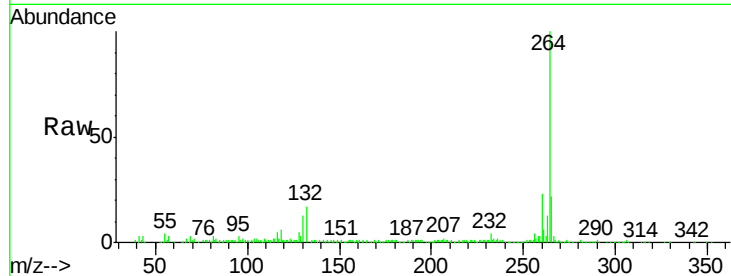




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.51 min Scan# 2282
Delta R.T. -0.01 min
Lab File: BF100750.D
Acq: 21 Nov 2017 00:21

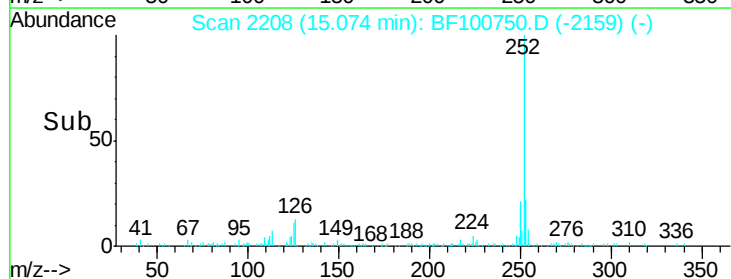
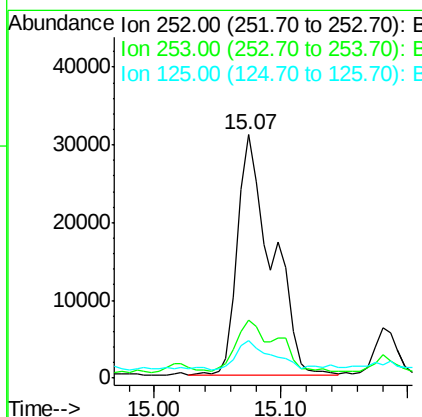
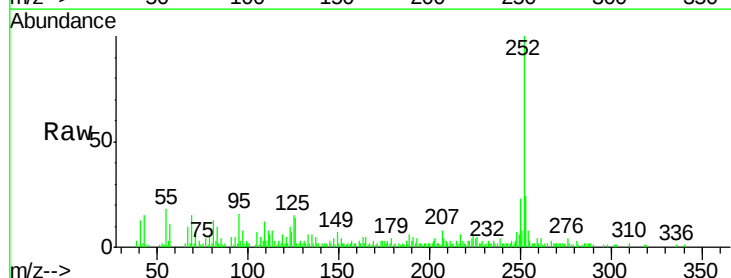
Instrument :
BNA_F
ClientSampleId :
EPE-109-3(0-5)

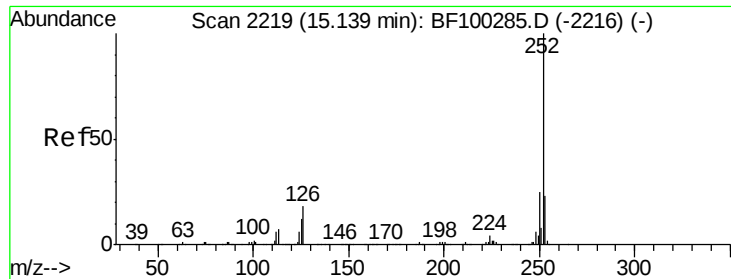
Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.0	19.2	28.8
265	22.2	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 5.56 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.01 min
Lab File: BF100750.D
Acq: 21 Nov 2017 00:21

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.8	17.0	25.6
125	15.3	9.0	13.6

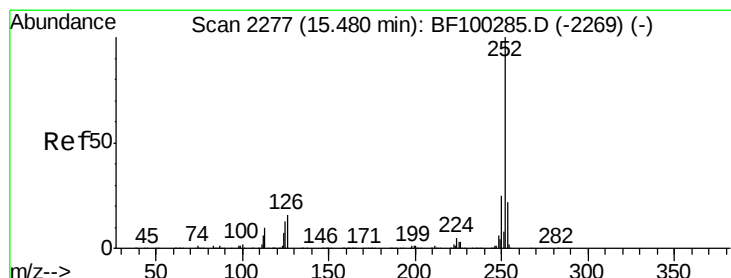
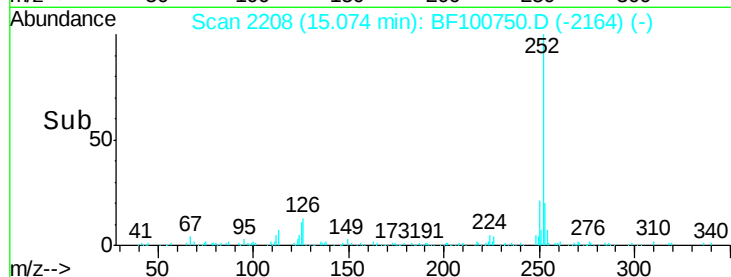
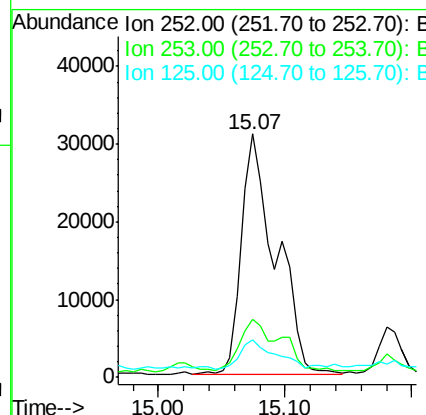
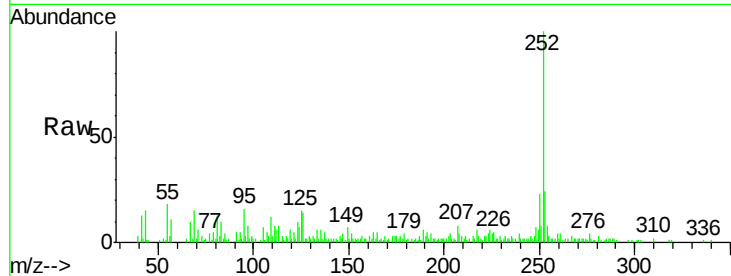




#88
Benzo(k)fluoranthene
Concen: 5.89 ng
RT: 15.07 min Scan# 2208
Delta R.T. -0.04 min
Lab File: BF100750.D
Acq: 21 Nov 2017 00:21

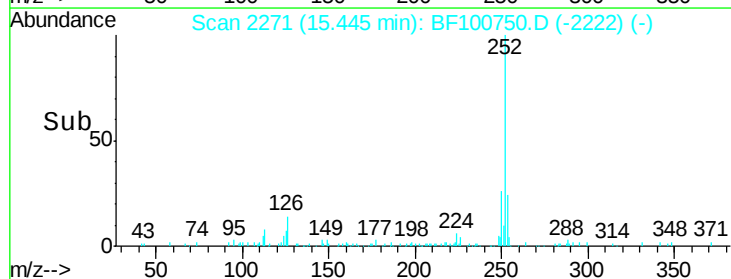
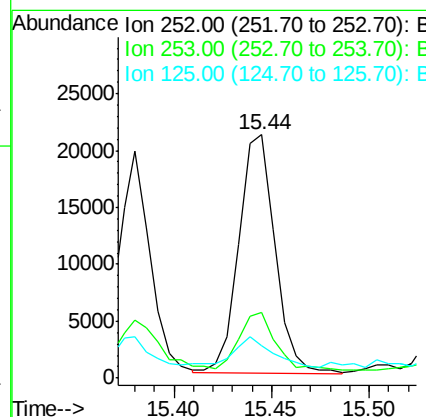
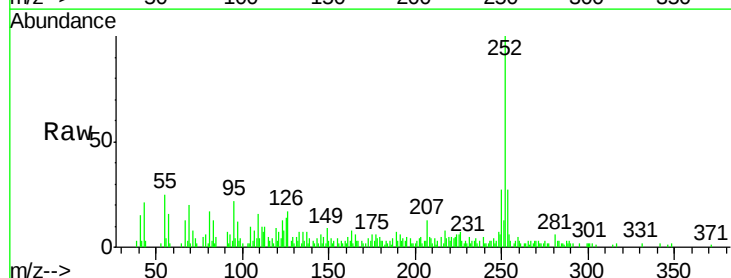
Instrument :
BNA_F
ClientSampleId :
EPE-109-3(0-5)

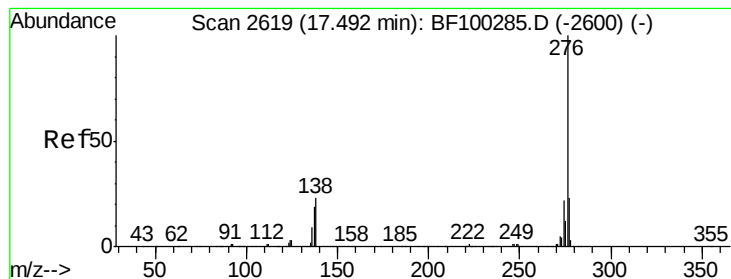
Tgt Ion:252 Resp: 57601
Ion Ratio Lower Upper
252 100
253 23.8 17.9 26.9
125 15.3 10.2 15.2#



#89
Benzo(a)pyrene
Concen: 2.95 ng
RT: 15.44 min Scan# 2271
Delta R.T. -0.01 min
Lab File: BF100750.D
Acq: 21 Nov 2017 00:21

Tgt Ion:252 Resp: 27066
Ion Ratio Lower Upper
252 100
253 26.9 17.1 25.7#
125 13.6 9.8 14.6





#91

Benzo(g,h,i)perylene

Concen: 2.36 ng

RT: 17.43 min Scan# 2609

Delta R.T. -0.02 min

Lab File: BF100750.D

Acq: 21 Nov 2017 00:21

Instrument :

BNA_F

ClientSampleId :

EPE-109-3(0-5)

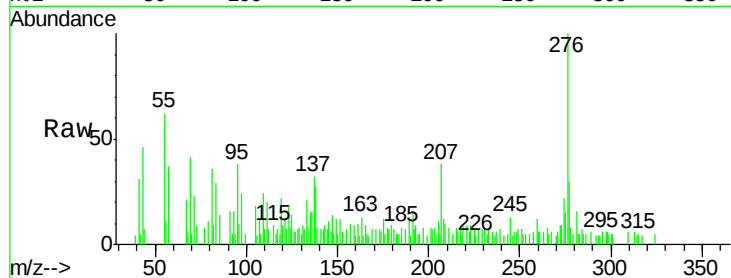
Tgt Ion: 276 Resp: 17318

Ion Ratio Lower Upper

276 100

277 30.4 17.9 26.9#

138 26.6 21.8 32.8



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

