

Data File : BF100697.D
Acq On : 18 Nov 2017 1:58
Operator : SJ/JU
Sample : I6419-03 2X
Misc :
ALS Vial : 19 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
LEW-2-E(4-5)

Quant Time: Nov 18 02:48:50 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	6.88	152	98826	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	356983	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	127684	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	196009	20.00	ng	0.00
75) Chrysene-d12	14.04	240	221156	20.00	ng	0.00
86) Perylene-d12	15.52	264	193115	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	384321	62.34	ng	0.00
7) Phenol-d6	6.50	99	483043	63.54	ng	0.00
23) Nitrobenzene-d5	7.44	82	292734	54.21	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	50497	38.81	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	518723	61.86	ng	0.00
78) Terphenyl-d14	12.99	244	393160	40.85	ng	0.00

Target Compounds						Qvalue
10) Phenol	6.52	94	39442	4.94	ng	97
19) n-Nitroso-di-n-propylamine	7.44	70	37336	7.08	ng	# 81
25) Isophorone	7.44	82	292462	25.77	ng	# 64
32) Benzoic acid	7.82	122	112	9.39	ng	# 1
47) 2-Nitroaniline	9.43	65	357	2.93	ng	# 2
49) Dimethylphthalate	9.63	163	53725	5.51	ng	# 98
62) Azobenzene	10.63	77	29072	3.16	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.72	198	262	8.79	ng	# 1
70) Phenanthrene	11.43	178	197092	19.10	ng	98
71) Anthracene	11.47	178	43291	4.13	ng	97
74) Fluoranthene	12.62	202	286288	26.18	ng	97
77) Pyrene	12.84	202	320647	20.34	ng	100
80) Benzo(a)anthracene	14.03	228	158534	11.90	ng	98
82) Chrysene	14.07	228	155462	12.05	ng	99
83) Bis(2-ethylhexyl)phthalate	14.01	149	25810	3.05	ng	# 99
87) Benzo(b)fluoranthene	15.09	252	208127	18.19	ng	97
88) Benzo(k)fluoranthene	15.09	252	208127	19.25	ng	100
89) Benzo(a)pyrene	15.46	252	108469	10.69	ng	96
91) Benzo(g,h,i)perylene	17.45	276	52087	6.41	ng	# 92

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

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LEW-2-E(4-5)

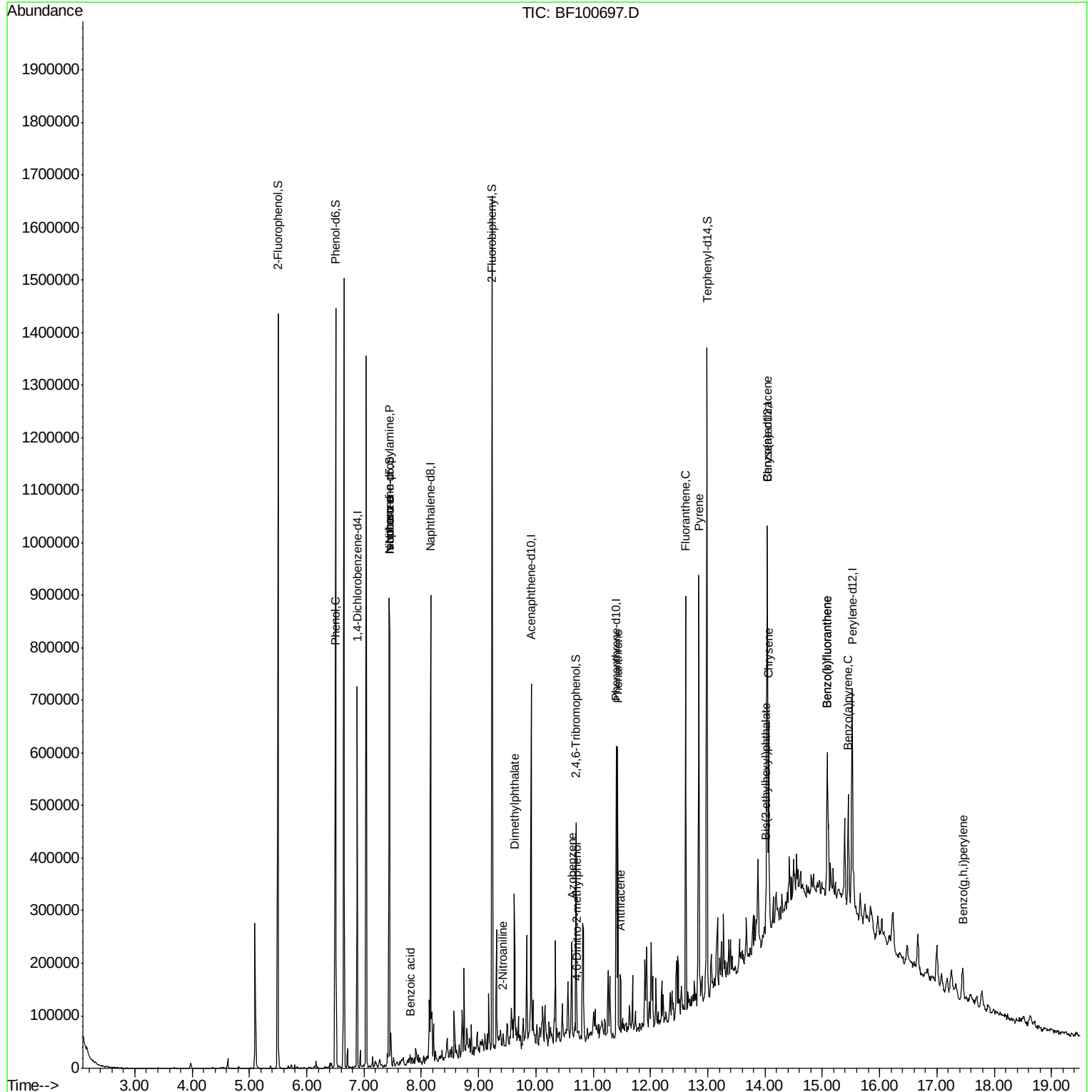
Quant Time: Nov 18 02:48:50 2017

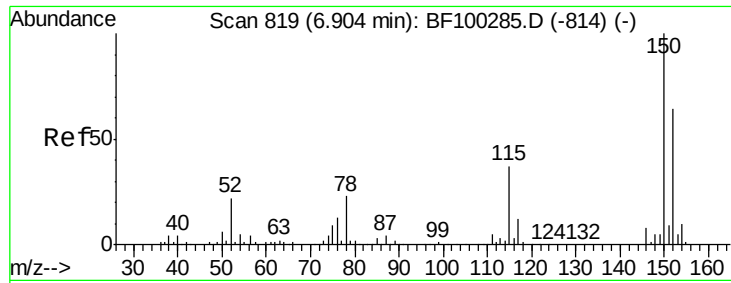
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

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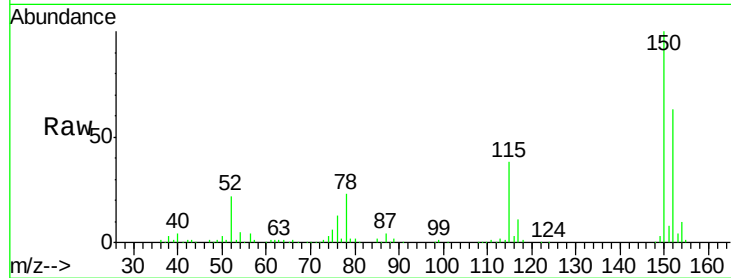


#1

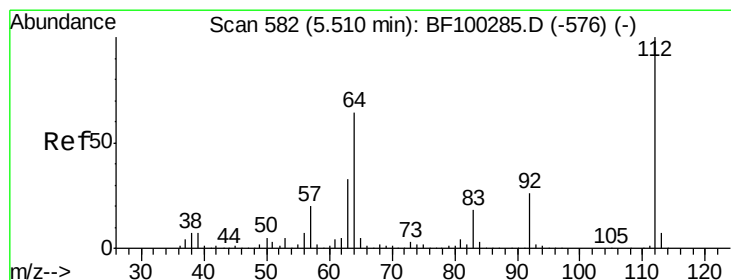
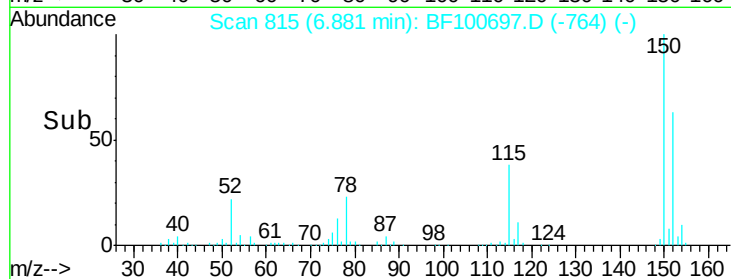
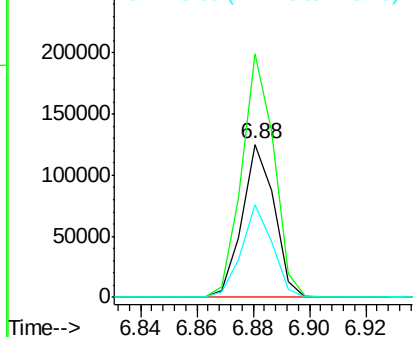
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.88 min Scan# 815
Delta R.T. -0.00 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Instrument :
BNA_F
ClientSampleId :
LEW-2-E(4-5)

Tgt Ion:152 Resp: 98826
Ion Ratio Lower Upper
152 100
150 159.1 124.6 186.8
115 60.4 50.1 75.1



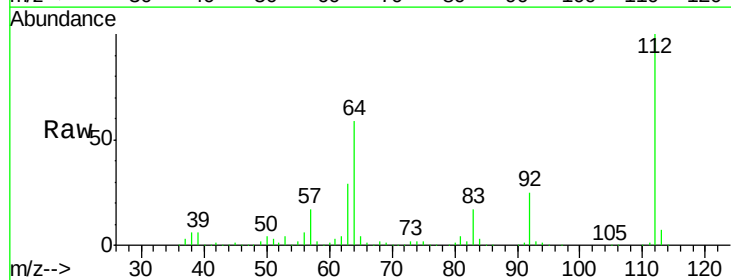
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



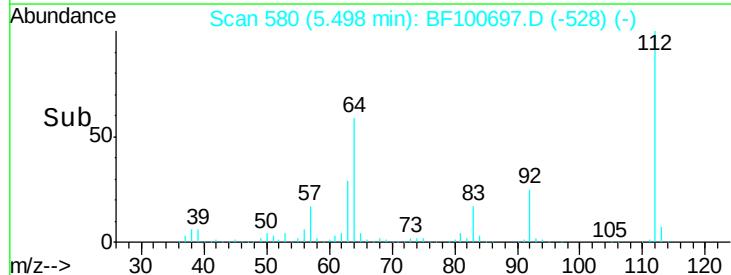
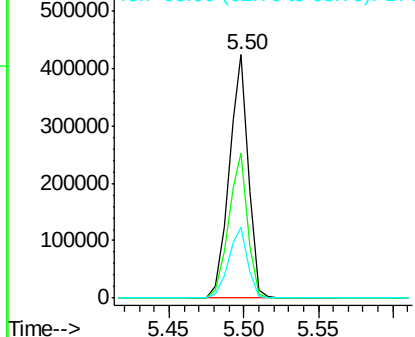
#5

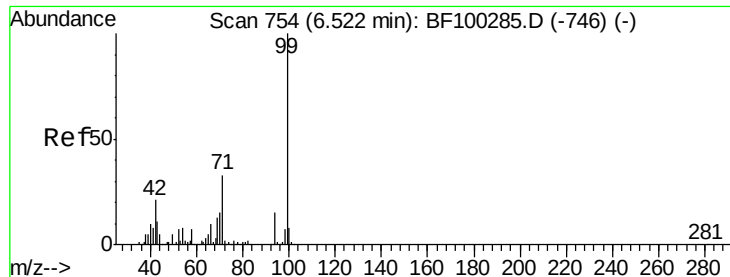
2-Fluorophenol
Concen: 62.34 ng
RT: 5.50 min Scan# 580
Delta R.T. 0.01 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Tgt Ion:112 Resp: 384321
Ion Ratio Lower Upper
112 100
64 59.5 47.9 71.9
63 29.3 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: 63.54 ng

RT: 6.50 min Scan# 751

Delta R.T. -0.01 min

Lab File: BF100697.D

Acq: 18 Nov 2017 1:58

Instrument :

BNA_F

ClientSampleId :

LEW-2-E(4-5)

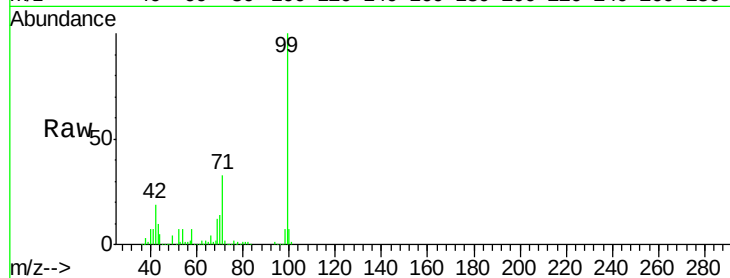
Tgt Ion: 99 Resp: 483043

Ion Ratio Lower Upper

99 100

42 18.8 14.5 21.7

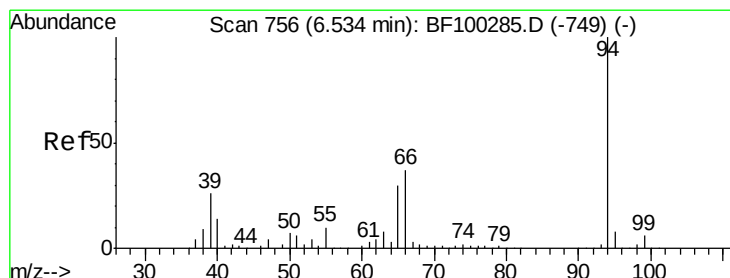
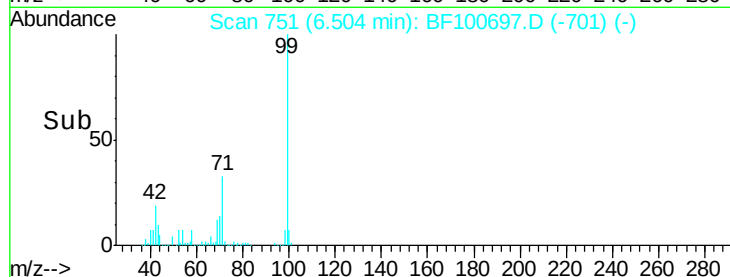
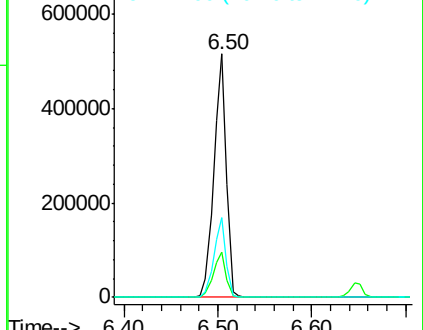
71 32.5 25.4 38.0



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



#10

Phenol

Concen: 4.94 ng

RT: 6.52 min Scan# 753

Delta R.T. -0.01 min

Lab File: BF100697.D

Acq: 18 Nov 2017 1:58

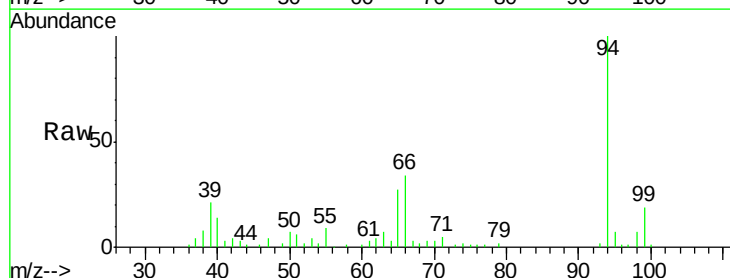
Tgt Ion: 94 Resp: 39442

Ion Ratio Lower Upper

94 100

65 27.2 7.9 47.9

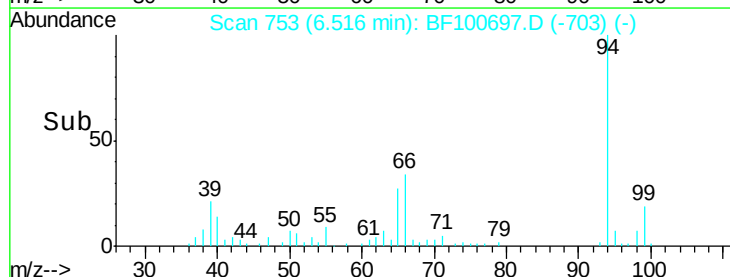
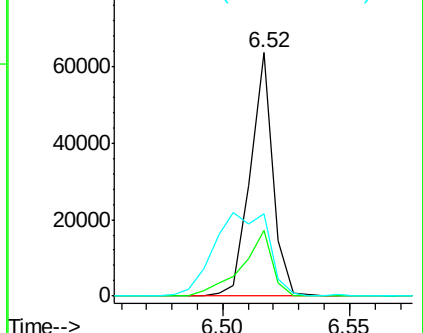
66 33.6 16.2 56.2

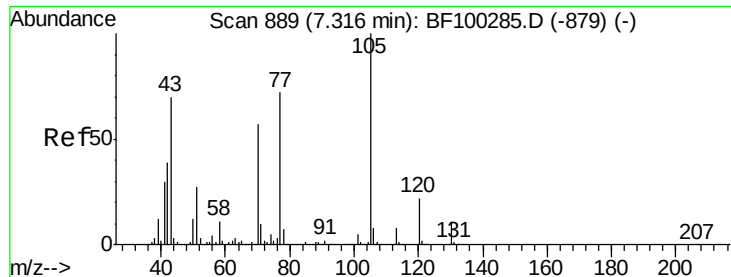


Abundance Ion 94.00 (93.70 to 94.70): BF1

Ion 65.00 (64.70 to 65.70): BF1

Ion 66.00 (65.70 to 66.70): BF1

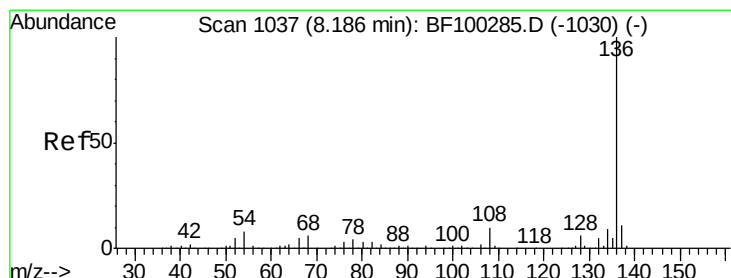
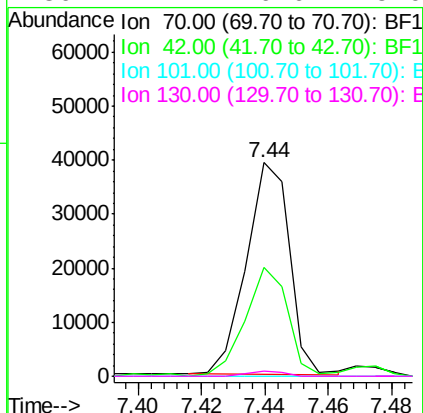
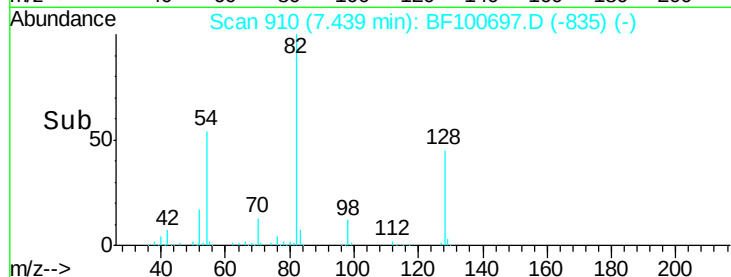
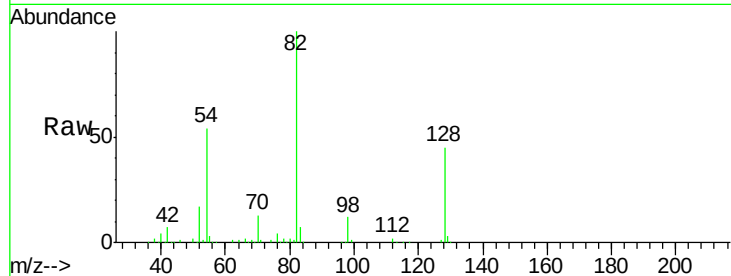




#19
n-Nitroso-di-n-propylamine
Concen: 7.08 ng
RT: 7.44 min Scan# 910
Delta R.T. 0.14 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

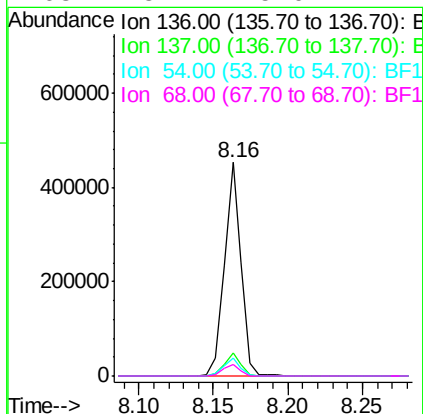
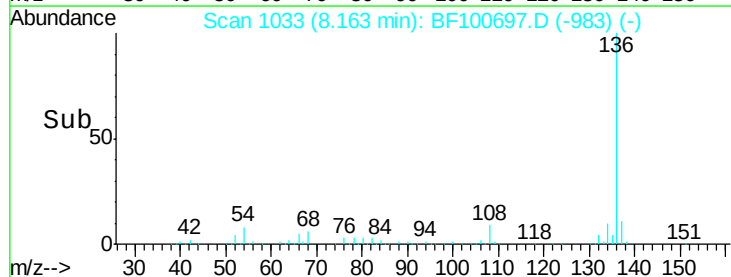
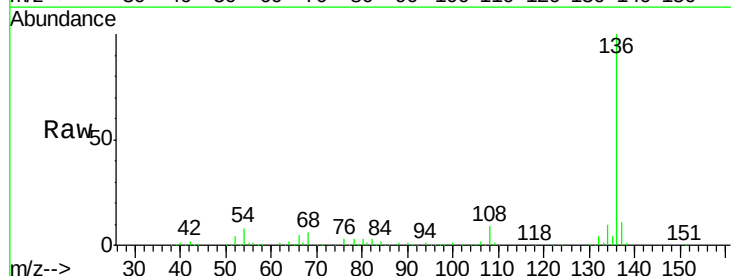
Instrument :
BNA_F
ClientSampleId :
LEW-2-E(4-5)

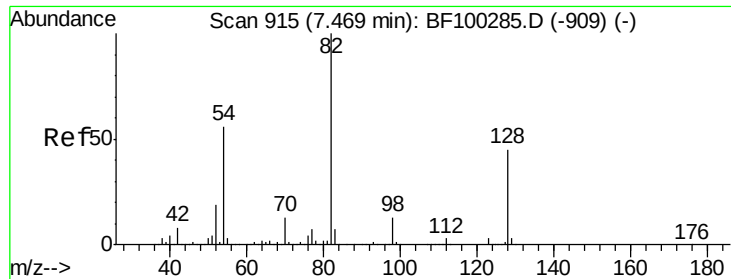
Tgt Ion: 70 Resp: 37336
Ion Ratio Lower Upper
70 100
42 51.2 47.5 71.3
101 0.0 7.4 11.2#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.16 min Scan# 1033
Delta R.T. -0.01 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Tgt Ion: 136 Resp: 356983
Ion Ratio Lower Upper
136 100
137 10.9 8.9 13.3
54 8.1 6.6 9.8
68 5.7 5.0 7.4

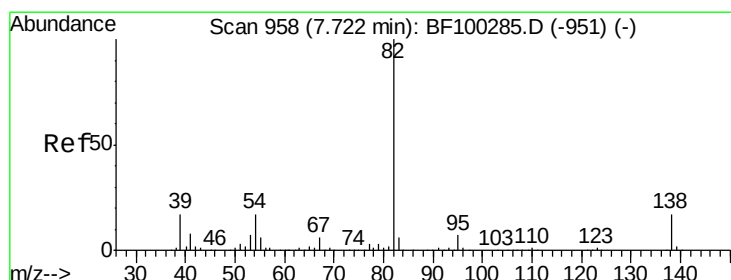
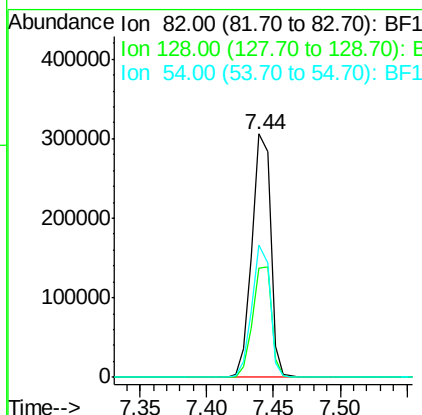
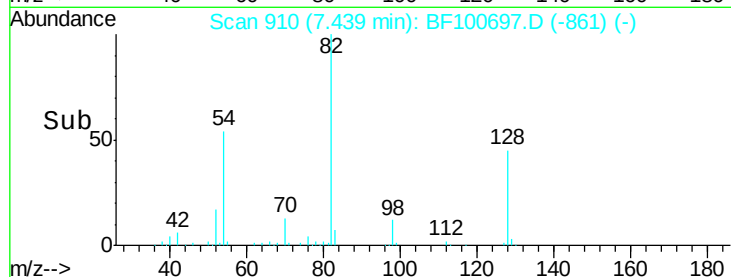
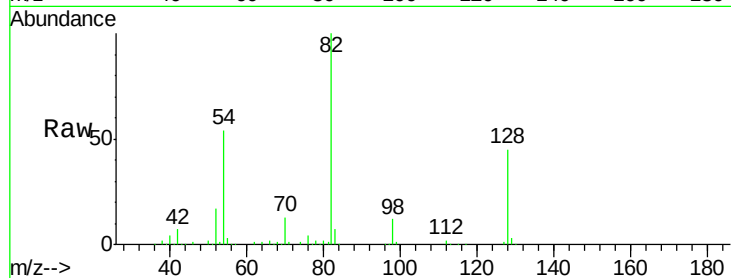




#23
 Nitrobenzene-d5
 Concen: 54.21 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF100697.D
 Acq: 18 Nov 2017 1:58

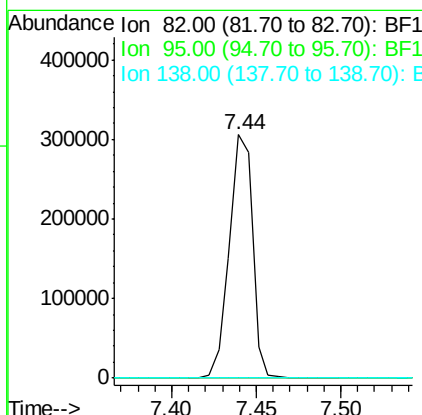
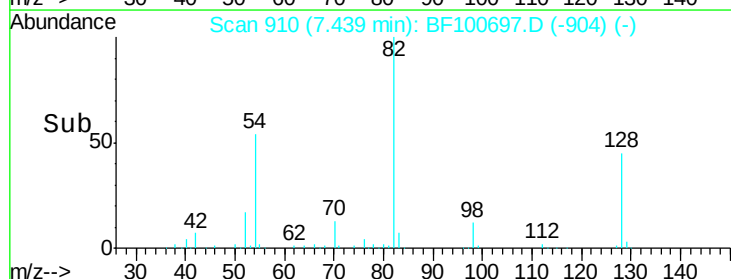
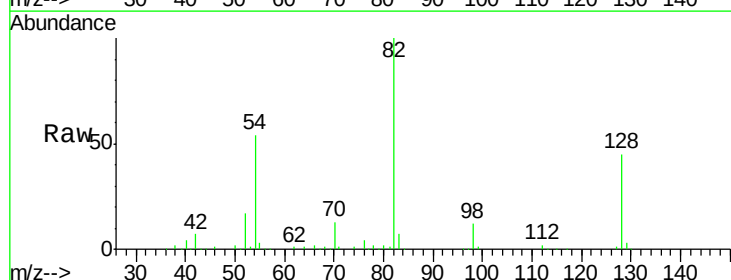
Instrument :
 BNA_F
 ClientSampleId :
 LEW-2-E(4-5)

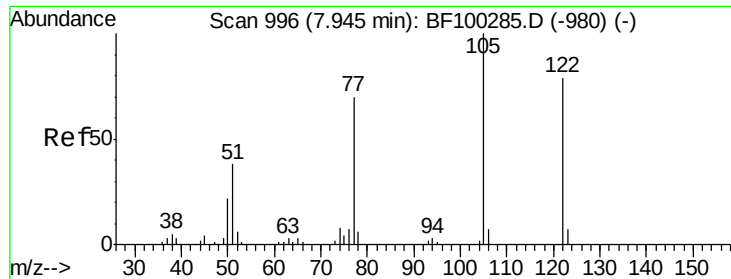
Tgt Ion	Ratio	Lower	Upper
82	100		
128	44.9	36.1	54.1
54	54.1	41.4	62.2



#25
 Isophorone
 Concen: 25.77 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.26 min
 Lab File: BF100697.D
 Acq: 18 Nov 2017 1:58

Tgt Ion	Ratio	Lower	Upper
82	100		
95	0.0	5.2	7.8#
138	0.0	14.9	22.3#

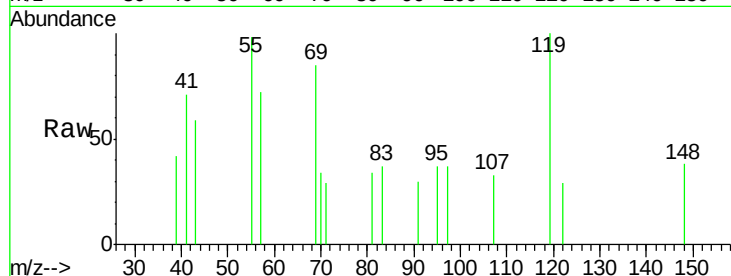




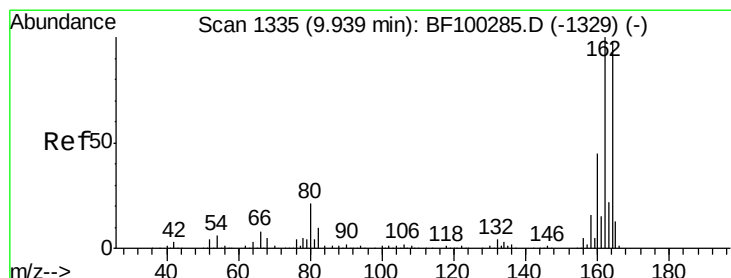
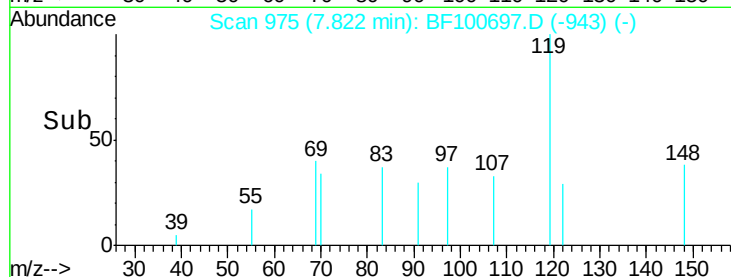
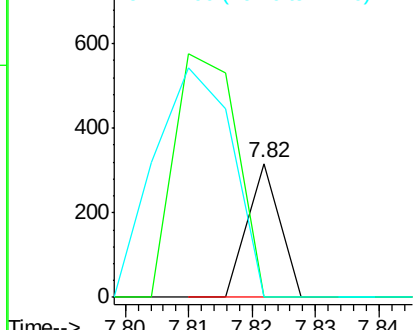
#32
Benzoic acid
Concen: 9.39 ng
RT: 7.82 min Scan# 975
Delta R.T. -0.11 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Instrument :
BNA_F
ClientSampleId :
LEW-2-E(4-5)

Tgt Ion:122 Resp: 112
Ion Ratio Lower Upper
122 100
105 0.0 101.1 141.1#
77 0.0 70.7 110.7#

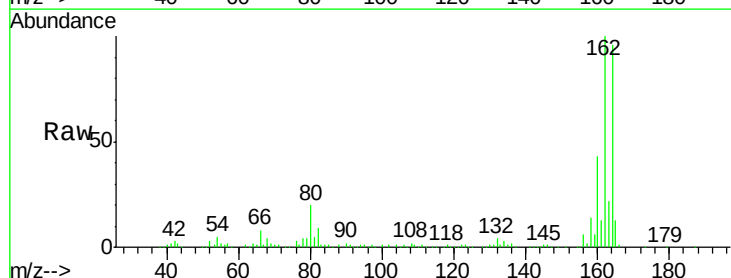


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF1

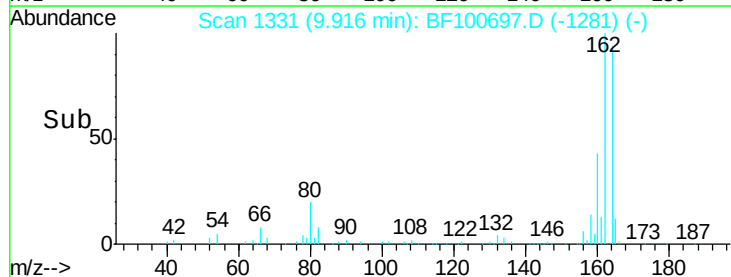
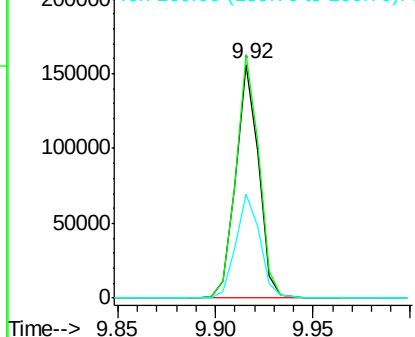


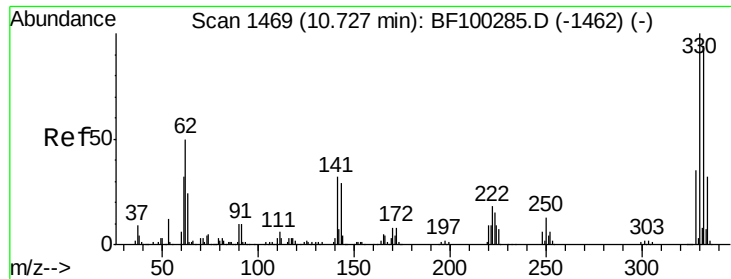
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.01 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Tgt Ion:164 Resp: 127684
Ion Ratio Lower Upper
164 100
162 104.1 86.1 129.1
160 44.4 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

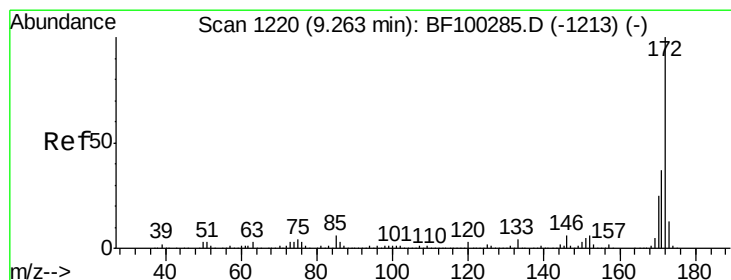
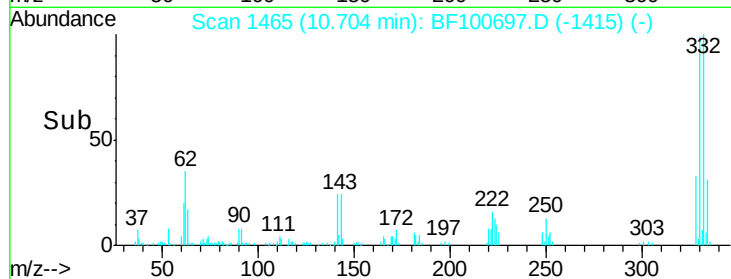
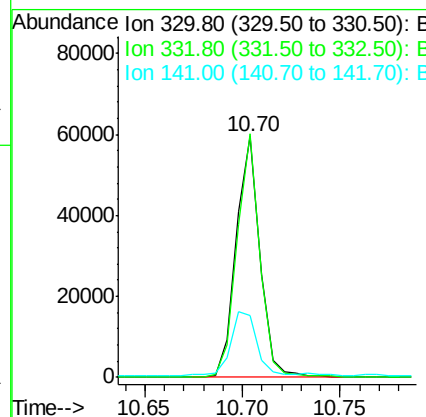
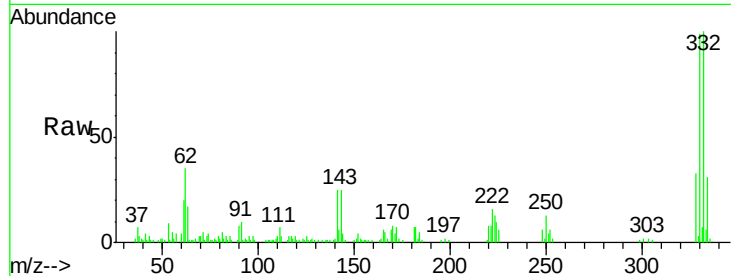




#41
 2,4,6-Tribromophenol
 Concen: 38.81 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF100697.D
 Acq: 18 Nov 2017 1:58

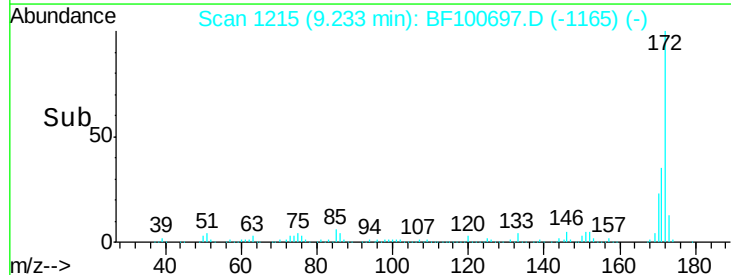
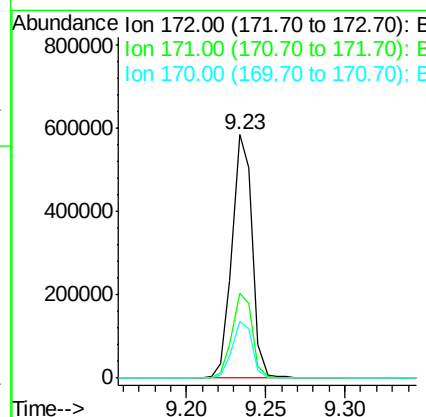
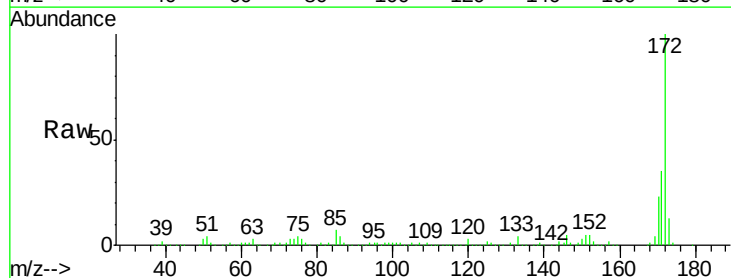
Instrument :
 BNA_F
 ClientSampleId :
 LEW-2-E(4-5)

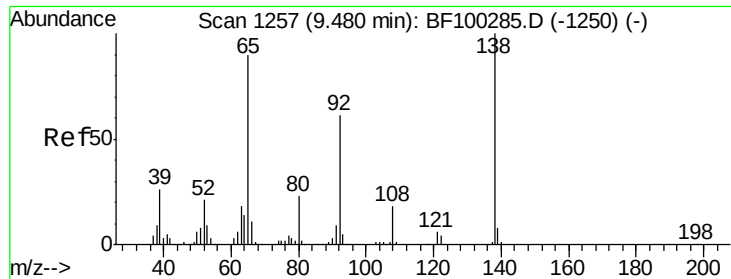
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.9	77.0	115.6
141	29.1	29.9	44.9



#44
 2-Fluorobiphenyl
 Concen: 61.86 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF100697.D
 Acq: 18 Nov 2017 1:58

Tgt Ion	Ratio	Lower	Upper
172	100		
171	34.9	29.7	44.5
170	23.2	19.6	29.4





#47

2-Nitroaniline

Concen: 2.93 ng

RT: 9.43 min Scan# 1249

Delta R.T. -0.03 min

Lab File: BF100697.D

Acq: 18 Nov 2017 1:58

Instrument :

BNA_F

ClientSampleId :

LEW-2-E(4-5)

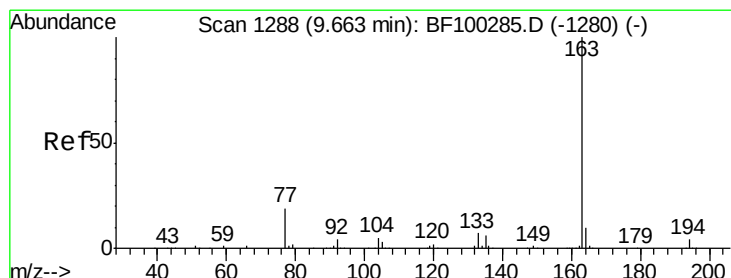
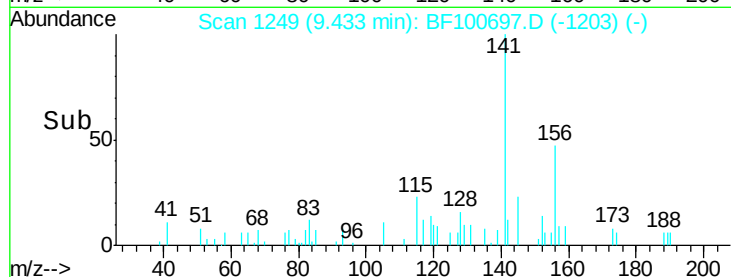
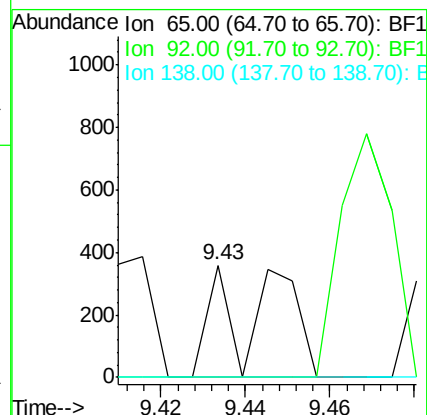
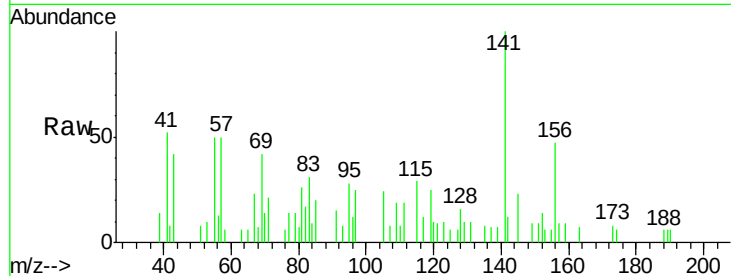
Tgt Ion: 65 Resp: 357

Ion Ratio Lower Upper

65 100

92 0.0 55.8 83.6#

138 0.0 91.2 136.8#



#49

Dimethylphthalate

Concen: 5.51 ng

RT: 9.63 min Scan# 1282

Delta R.T. -0.01 min

Lab File: BF100697.D

Acq: 18 Nov 2017 1:58

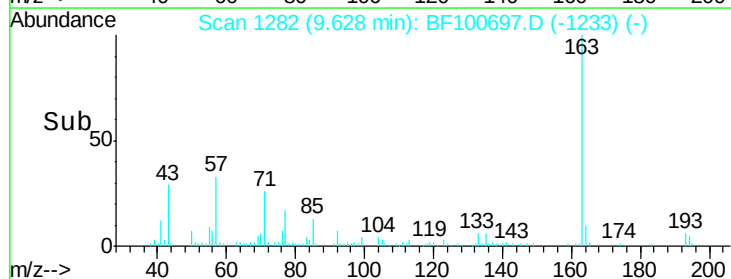
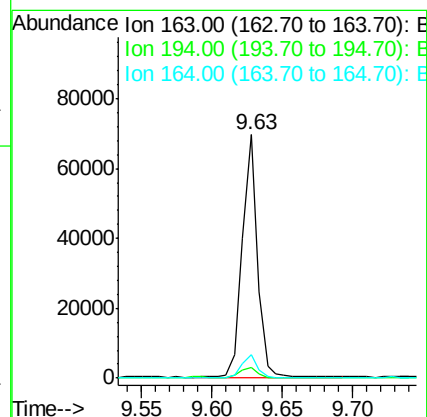
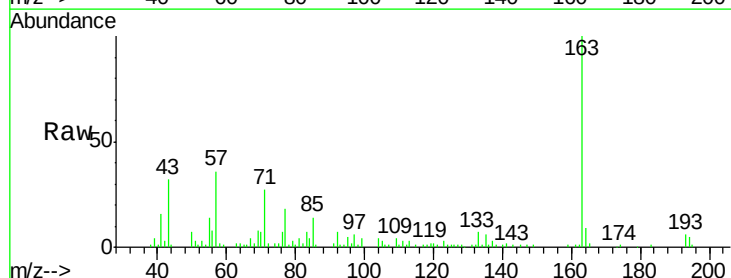
Tgt Ion: 163 Resp: 53725

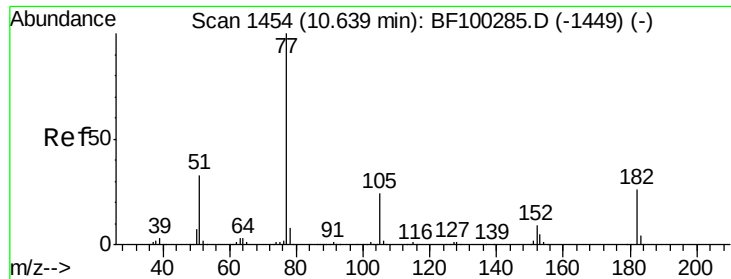
Ion Ratio Lower Upper

163 100

194 4.6 2.7 4.1#

164 9.5 8.2 12.2





#62

Azobenzene

Concen: 3.16 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.01 min

Lab File: BF100697.D

Acq: 18 Nov 2017 1:58

Instrument :

BNA_F

ClientSampleId :

LEW-2-E(4-5)

Tgt Ion: 77 Resp: 29072

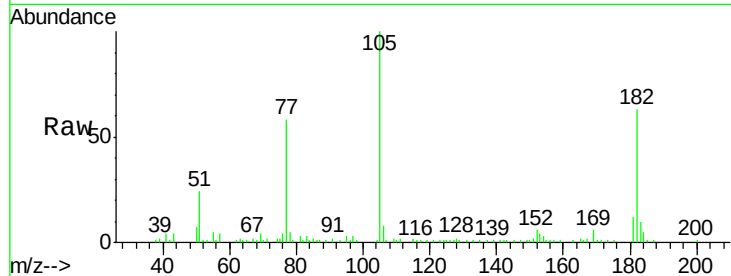
Ion Ratio Lower Upper

77 100

182 108.4 1.7 41.7#

105 173.4 3.0 43.0#

51 42.0 9.9 49.9

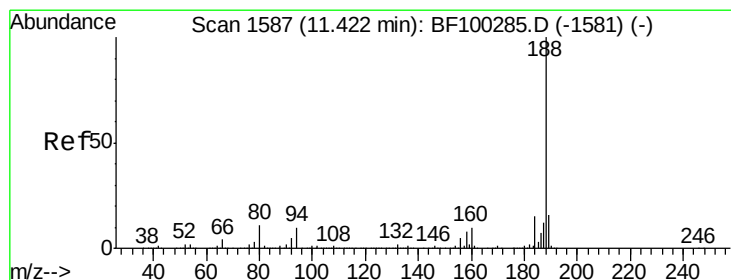
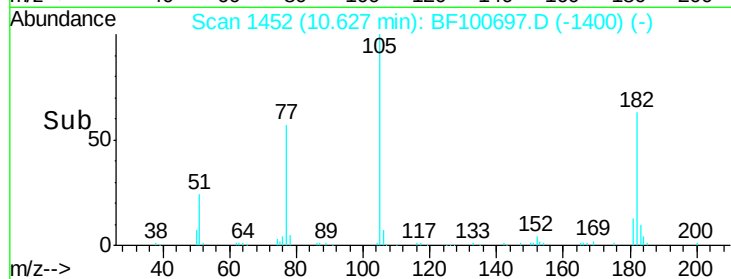
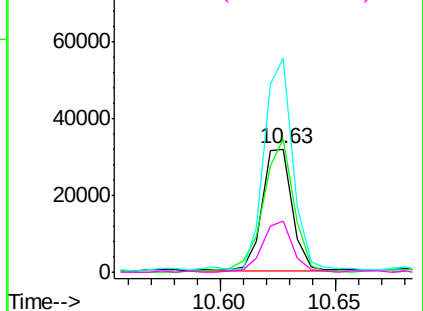


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 1584

Delta R.T. -0.00 min

Lab File: BF100697.D

Acq: 18 Nov 2017 1:58

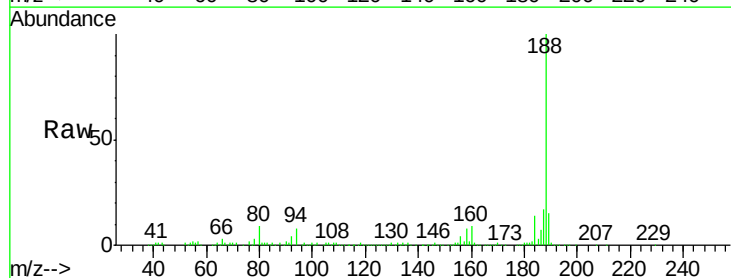
Tgt Ion: 188 Resp: 196009

Ion Ratio Lower Upper

188 100

94 8.5 8.5 12.7#

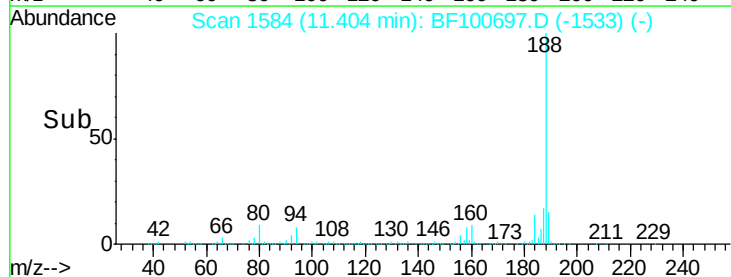
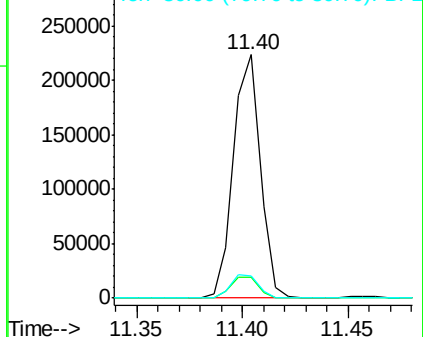
80 9.4 9.2 13.8

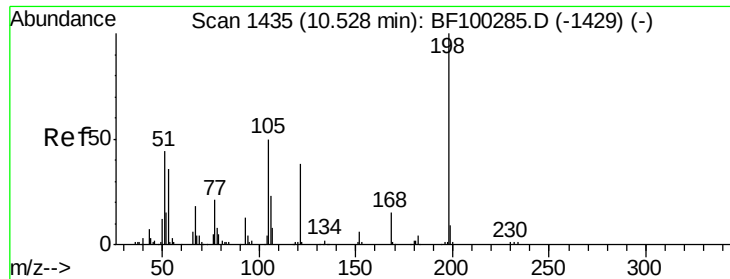


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

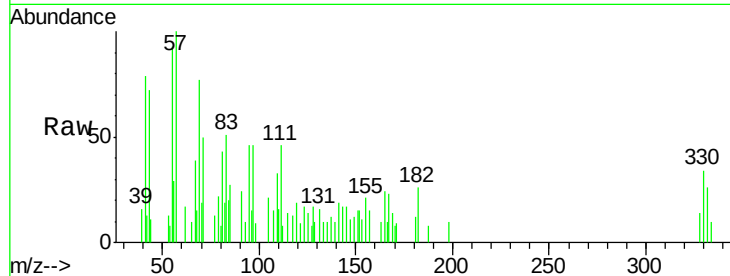




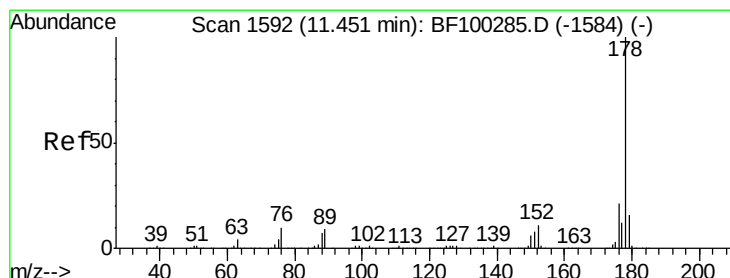
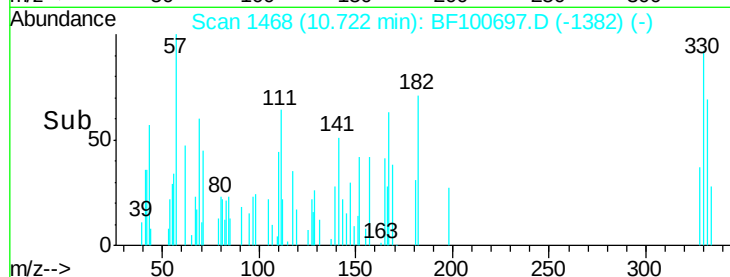
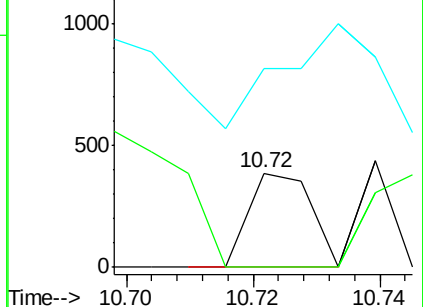
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.79 ng
 RT: 10.72 min Scan# 1468
 Delta R.T. 0.21 min
 Lab File: BF100697.D
 Acq: 18 Nov 2017 1:58

Instrument :
 BNA_F
 ClientSampleId :
 LEW-2-E(4-5)

Tgt Ion:198 Resp: 262
 Ion Ratio Lower Upper
 198 100
 51 0.0 37.7 77.7#
 105 211.1 36.3 76.3#

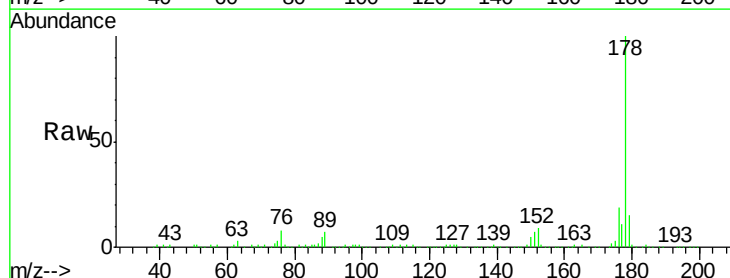


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

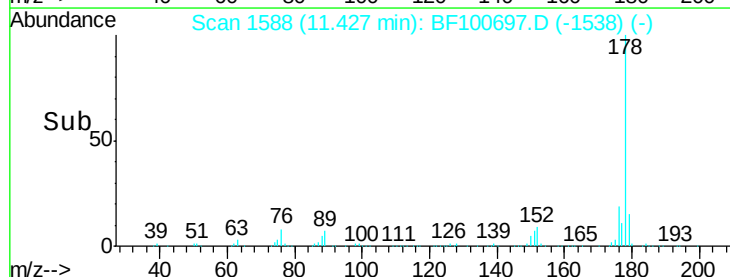
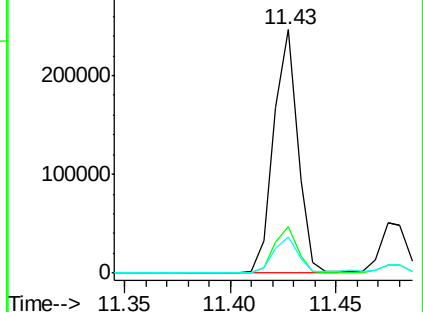


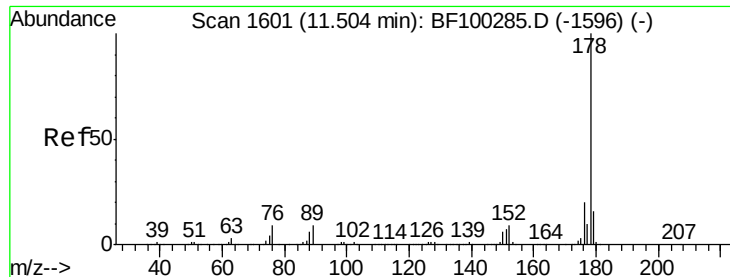
#70
 Phenanthrene
 Concen: 19.10 ng
 RT: 11.43 min Scan# 1588
 Delta R.T. -0.01 min
 Lab File: BF100697.D
 Acq: 18 Nov 2017 1:58

Tgt Ion:178 Resp: 197092
 Ion Ratio Lower Upper
 178 100
 176 19.0 15.8 23.8
 179 14.9 13.0 19.6



Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E





#71

Anthracene

Concen: 4.13 ng

RT: 11.47 min Scan# 1596

Delta R.T. -0.01 min

Lab File: BF100697.D

Acq: 18 Nov 2017 1:58

Instrument :

BNA_F

ClientSampleId :

LEW-2-E(4-5)

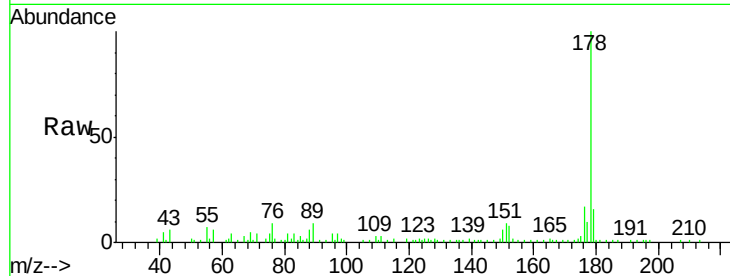
Tgt Ion:178 Resp: 43291

Ion Ratio Lower Upper

178 100

176 17.5 15.4 23.2

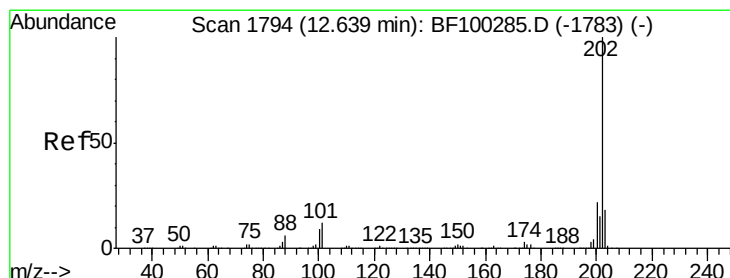
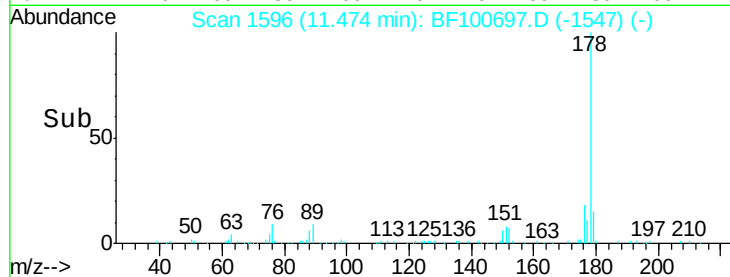
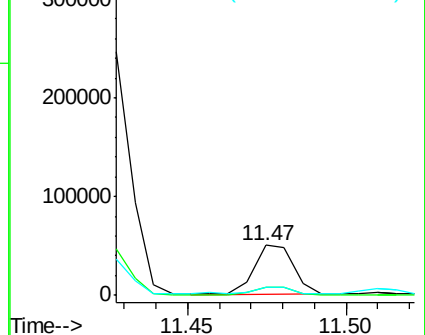
179 16.2 12.6 19.0



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#74

Fluoranthene

Concen: 26.18 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF100697.D

Acq: 18 Nov 2017 1:58

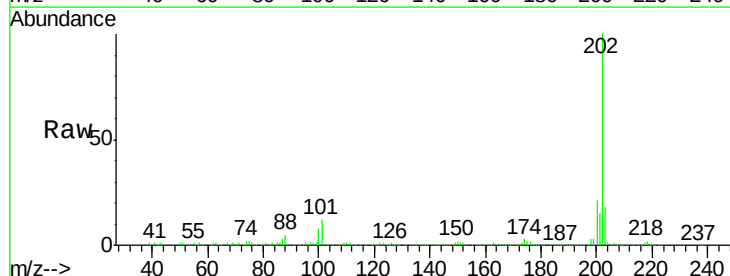
Tgt Ion:202 Resp: 286288

Ion Ratio Lower Upper

202 100

101 11.6 0.0 34.1

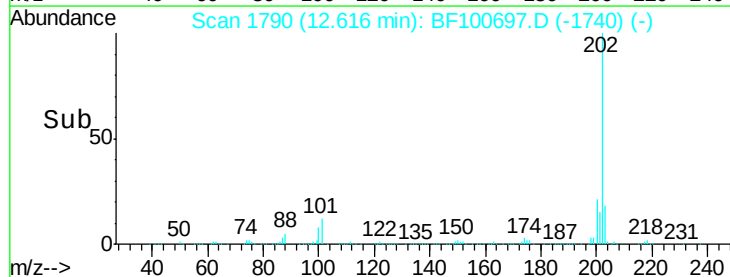
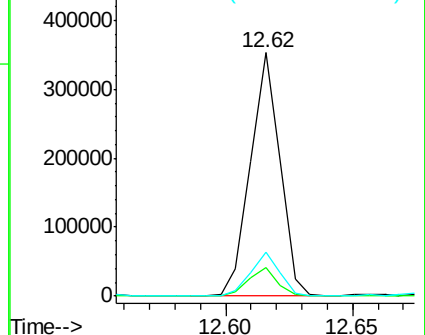
203 17.9 0.0 38.1

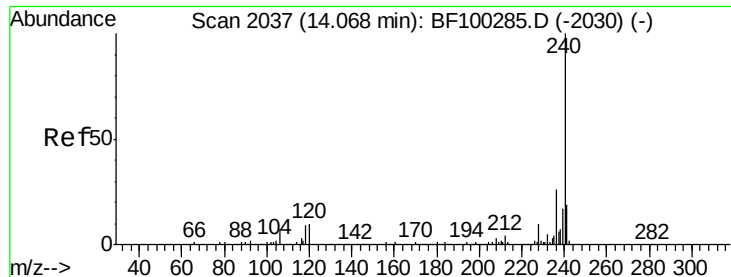


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.04 min Scan# 2033

Delta R.T. -0.00 min

Lab File: BF100697.D

Acq: 18 Nov 2017 1:58

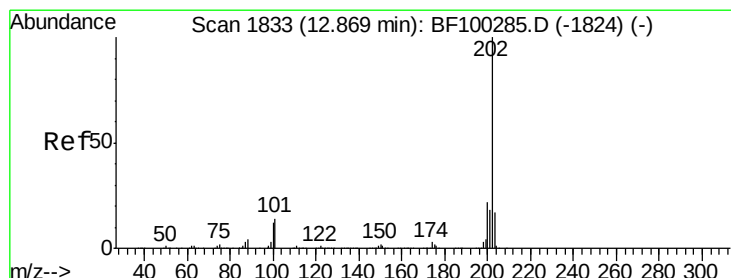
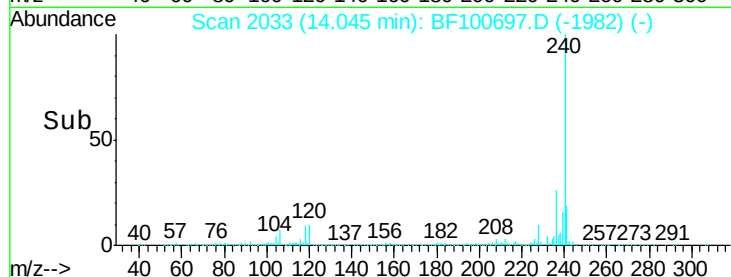
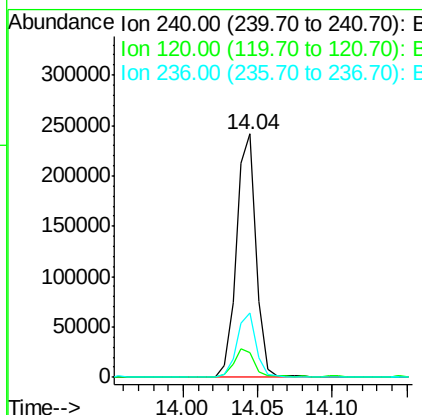
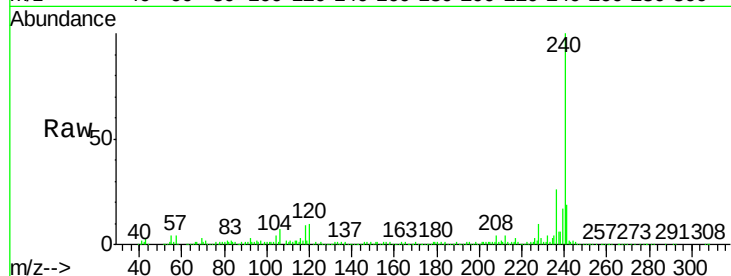
Instrument :

BNA_F

ClientSampleId :

LEW-2-E(4-5)

Tgt Ion:	240	Resp:	221156
Ion Ratio	Lower	Upper	
240	100		
120	10.1	9.5	14.3
236	26.4	20.7	31.1



#77

Pyrene

Concen: 20.34 ng

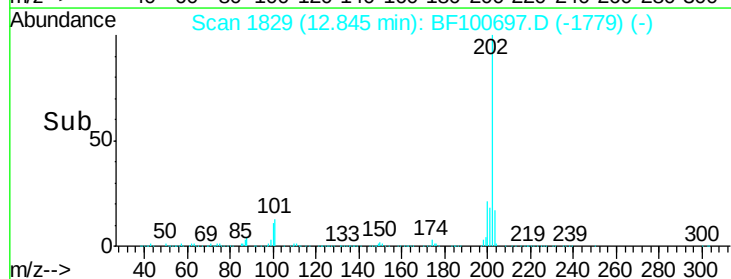
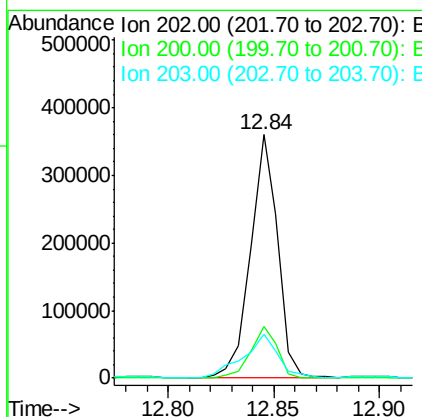
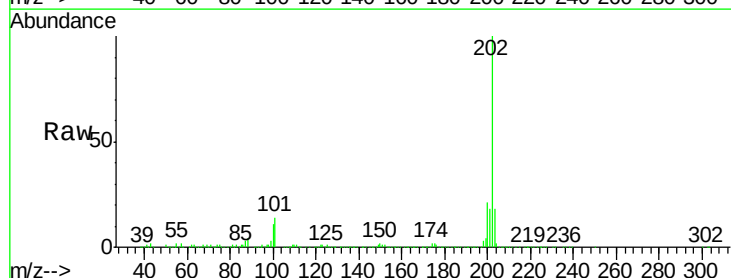
RT: 12.84 min Scan# 1829

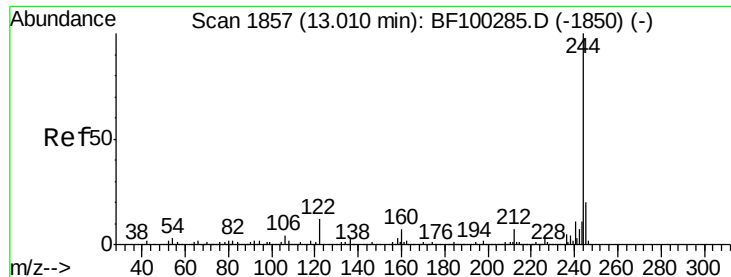
Delta R.T. -0.01 min

Lab File: BF100697.D

Acq: 18 Nov 2017 1:58

Tgt Ion:	202	Resp:	320647
Ion Ratio	Lower	Upper	
202	100		
200	21.4	17.4	26.2
203	17.9	14.3	21.5





#78

Terphenyl-d14

Concen: 40.85 ng

RT: 12.99 min Scan# 1853

Delta R.T. -0.00 min

Lab File: BF100697.D

Acq: 18 Nov 2017 1:58

Instrument :

BNA_F

ClientSampleId :

LEW-2-E(4-5)

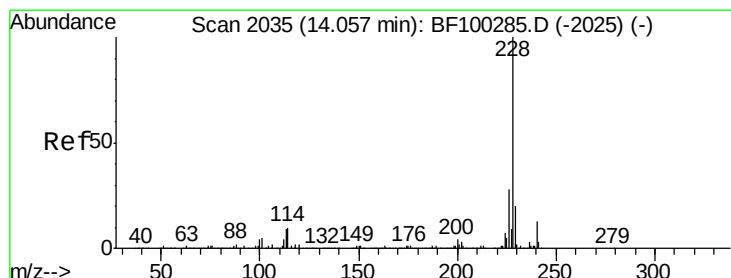
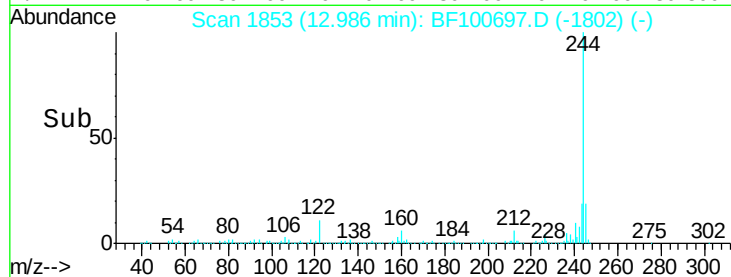
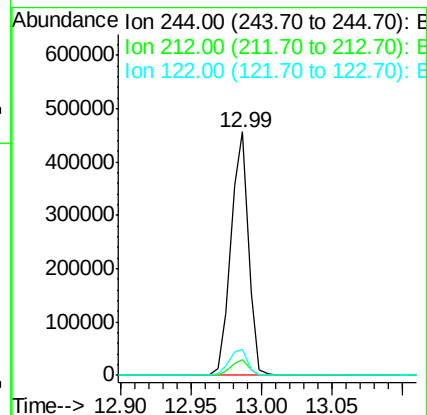
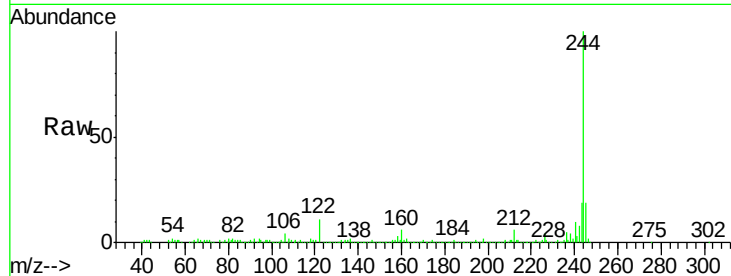
Tgt Ion:244 Resp: 393160

Ion Ratio Lower Upper

244 100

212 6.4 5.4 8.0

122 10.6 11.0 16.4#



#80

Benzo(a)anthracene

Concen: 11.90 ng

RT: 14.03 min Scan# 2031

Delta R.T. -0.00 min

Lab File: BF100697.D

Acq: 18 Nov 2017 1:58

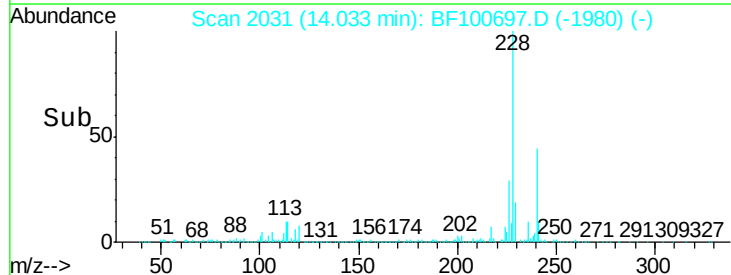
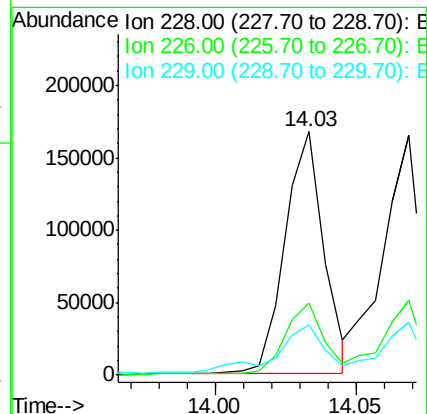
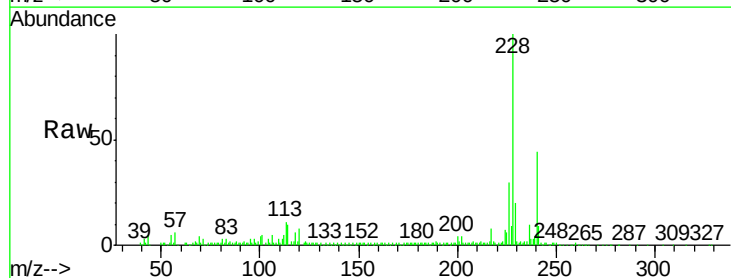
Tgt Ion:228 Resp: 158534

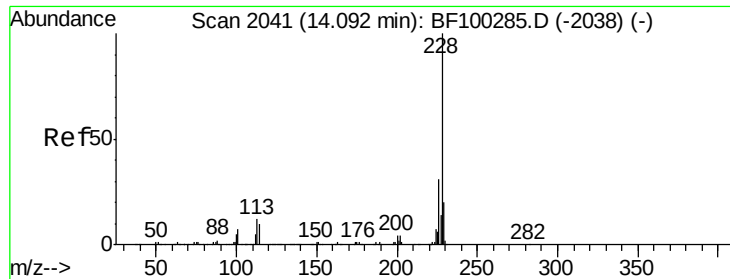
Ion Ratio Lower Upper

228 100

226 29.5 22.6 33.8

229 20.5 15.8 23.6





#82

Chrysene

Concen: 12.05 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF100697.D

Acq: 18 Nov 2017 1:58

Instrument :

BNA_F

ClientSampleId :

LEW-2-E(4-5)

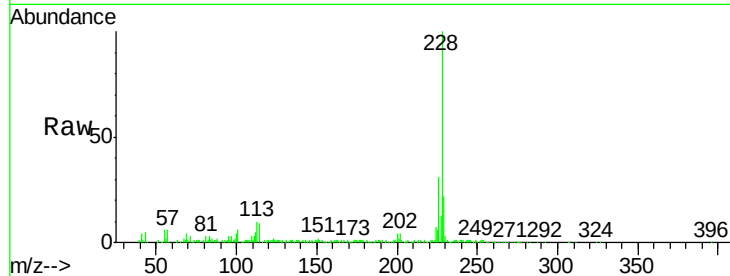
Tgt Ion:228 Resp: 155462

Ion Ratio Lower Upper

228 100

226 31.3 25.0 37.6

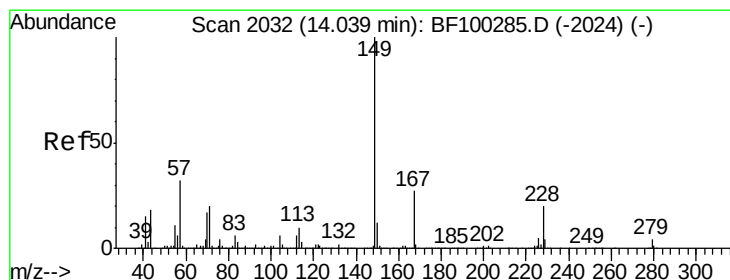
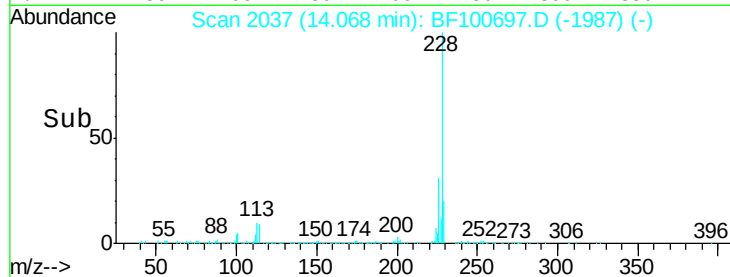
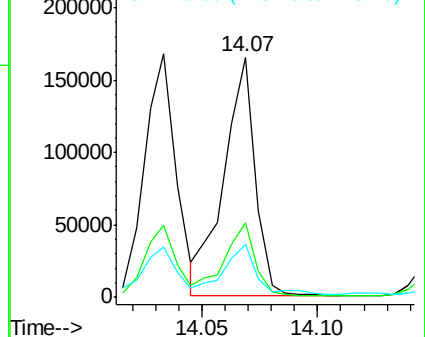
229 21.9 16.2 24.4



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#83

Bis(2-ethylhexyl)phthalate

Concen: 3.05 ng

RT: 14.01 min Scan# 2027

Delta R.T. -0.01 min

Lab File: BF100697.D

Acq: 18 Nov 2017 1:58

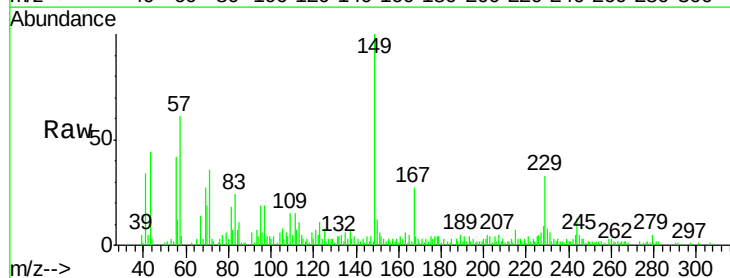
Tgt Ion:149 Resp: 25810

Ion Ratio Lower Upper

149 100

167 27.2 21.3 31.9

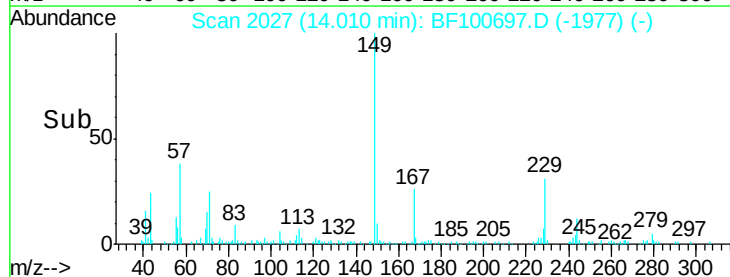
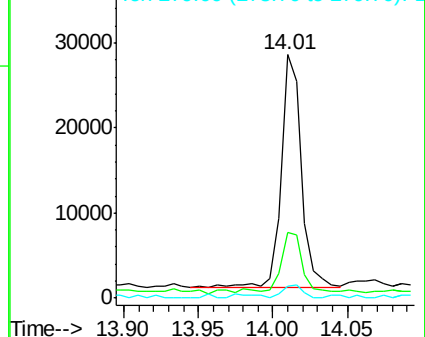
279 4.8 3.0 4.4#

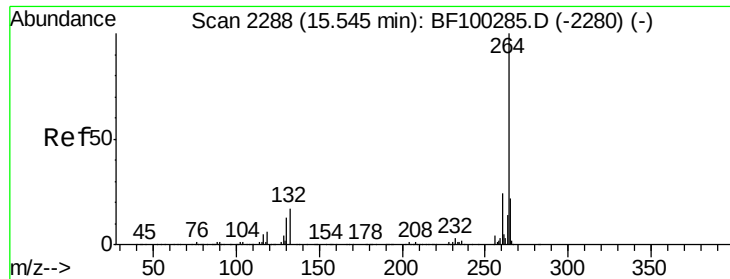


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 167.00 (166.70 to 167.70): E

Ion 279.00 (278.70 to 279.70): E

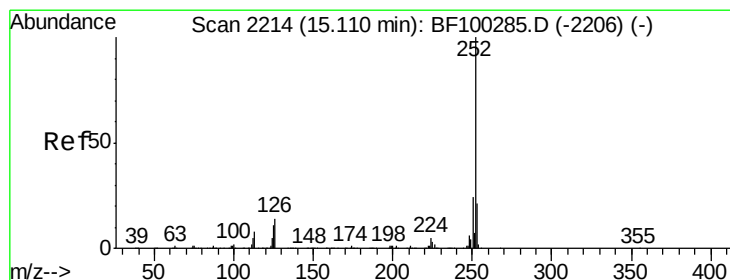
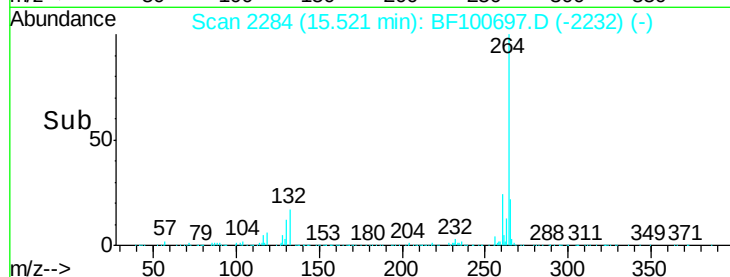
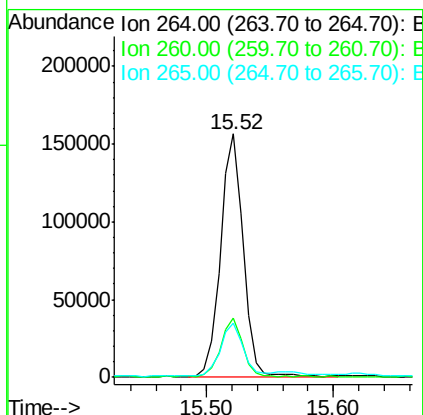
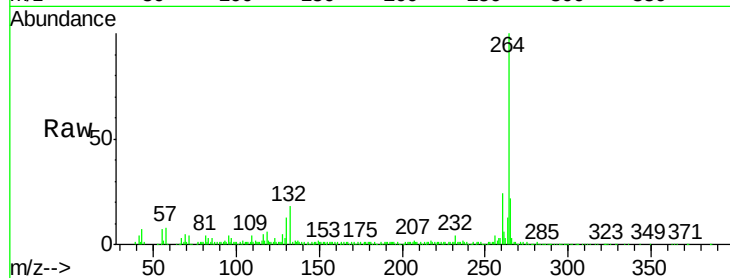




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.52 min Scan# 2284
Delta R.T. 0.01 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

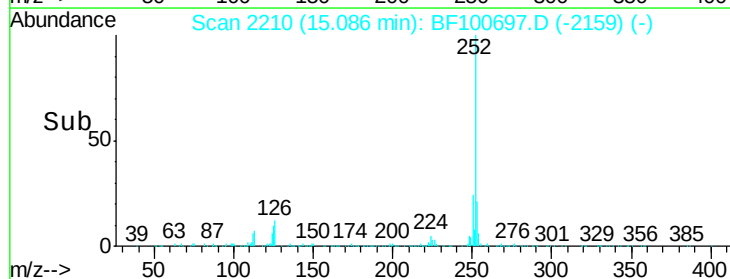
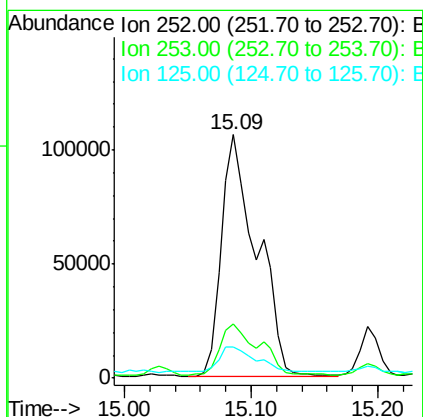
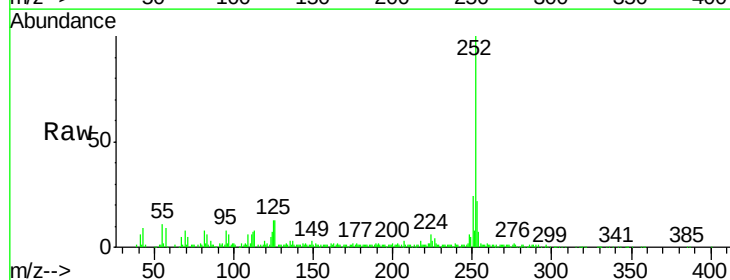
Instrument :
BNA_F
ClientSampleId :
LEW-2-E(4-5)

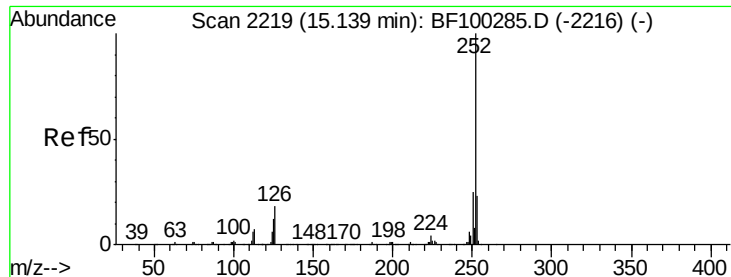
Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.2	19.2	28.8
265	22.2	17.5	26.3



#87
Benzo(b)fluoranthene
Concen: 18.19 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.00 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.0	25.6
125	12.7	9.0	13.6

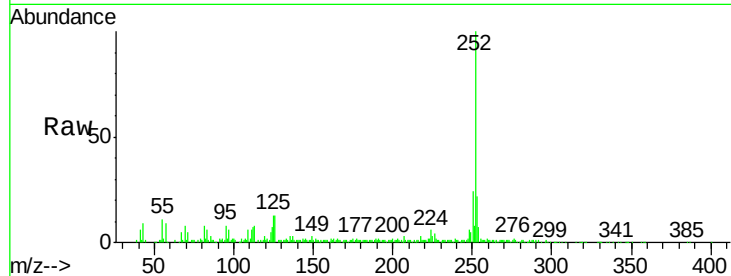




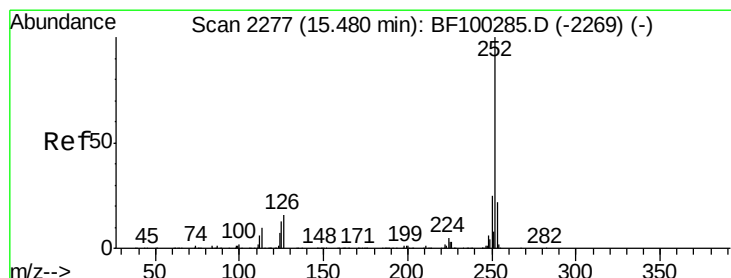
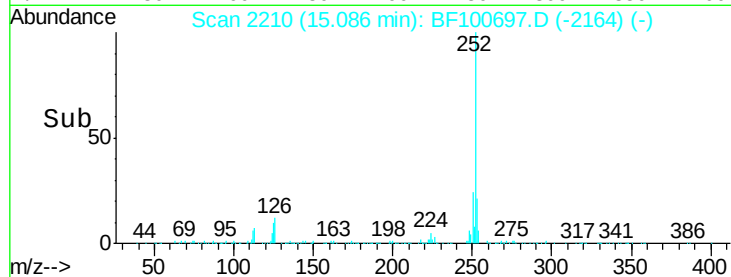
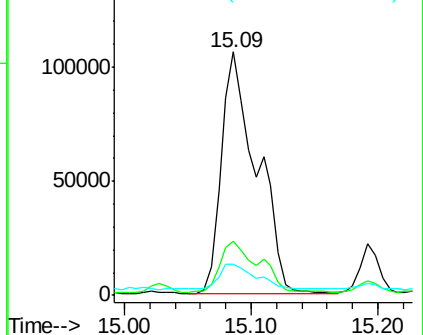
#88
Benzo(k)fluoranthene
Concen: 19.25 ng
RT: 15.09 min Scan# 2210
Delta R.T. -0.03 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Instrument :
BNA_F
ClientSampleId :
LEW-2-E(4-5)

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.3	17.9	26.9
125	12.7	10.2	15.2

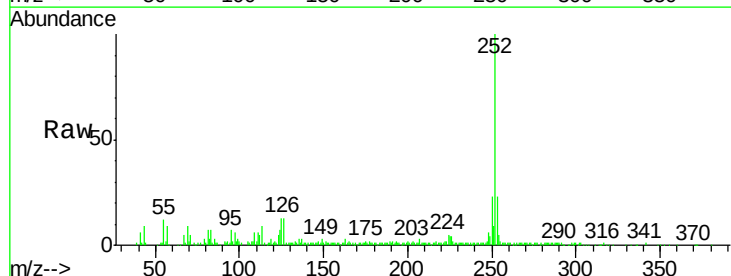


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

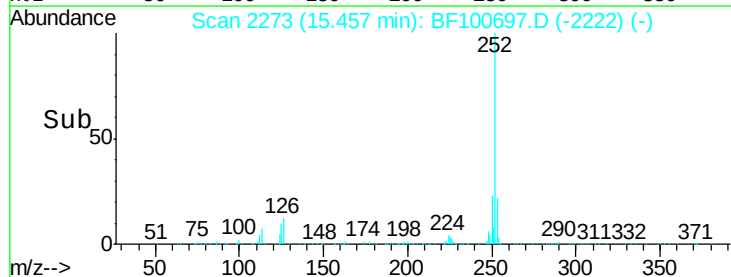
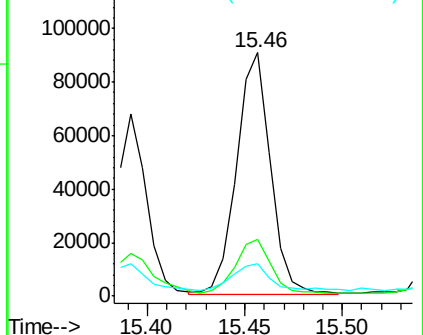


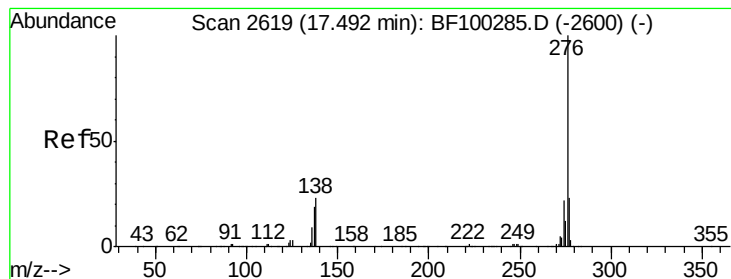
#89
Benzo(a)pyrene
Concen: 10.69 ng
RT: 15.46 min Scan# 2273
Delta R.T. -0.00 min
Lab File: BF100697.D
Acq: 18 Nov 2017 1:58

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.1	25.7
125	13.2	9.8	14.6



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 6.41 ng

RT: 17.45 min Scan# 2612

Delta R.T. -0.01 min

Lab File: BF100697.D

Acq: 18 Nov 2017 1:58

Instrument :

BNA_F

ClientSampleId :

LEW-2-E(4-5)

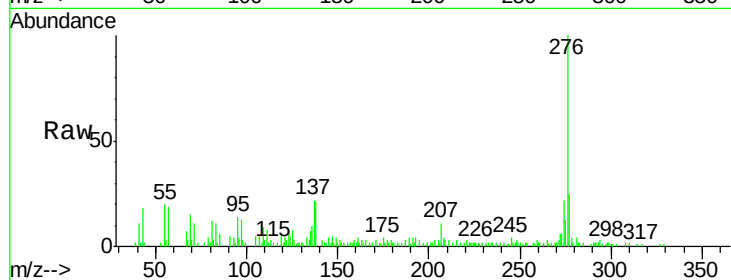
Tgt Ion: 276 Resp: 52087

Ion Ratio Lower Upper

276 100

277 24.6 17.9 26.9

138 21.4 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

