

Data File : BF100711.D
Acq On : 18 Nov 2017 9:57
Operator : SJ/JU
Sample : I6460-04 10X
Misc :
ALS Vial : 31 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
G-31-2-1.5-3

Quant Time: Nov 20 00:11:30 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	85171	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	307511	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	120612	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	201127	20.00	ng	0.00
75) Chrysene-d12	14.04	240	205970	20.00	ng	0.00
86) Perylene-d12	15.52	264	160884	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.49	112	64810	12.20	ng	0.00
7) Phenol-d6	6.49	99	78882	12.04	ng	-0.02
23) Nitrobenzene-d5	7.44	82	43860	9.43	ng	-0.01
41) 2,4,6-Tribromophenol	10.70	330	13969	11.37	ng	0.00
44) 2-Fluorobiphenyl	9.23	172	81429	10.28	ng	0.00
78) Terphenyl-d14	12.98	244	68024	7.59	ng	0.00

Target Compounds						Qvalue
25) Isophorone	7.44	82	43860	4.49	ng	# 64
50) 2,6-Dinitrotoluene	9.92	165	15409	8.45	ng	# 24
56) 2,4-Dinitrotoluene	9.92	165	15409	6.70	ng	# 21
74) Fluoranthene	12.62	202	96868	8.63	ng	94
77) Pyrene	12.84	202	101676	6.93	ng	96
80) Benzo(a)anthracene	14.03	228	80394	6.48	ng	98
82) Chrysene	14.07	228	83365	6.94	ng	95
85) Indeno(1,2,3-cd)pyrene	16.99	276	28693	2.95	ng	93
87) Benzo(b)fluoranthene	15.08	252	154376	16.20	ng	98
88) Benzo(k)fluoranthene	15.08	252	154376	17.14	ng	99
89) Benzo(a)pyrene	15.45	252	56126	6.64	ng	96
91) Benzo(g,h,i)perylene	17.44	276	25235	3.73	ng	92

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

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ALS Vial : 31 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

G-31-2-1.5-3

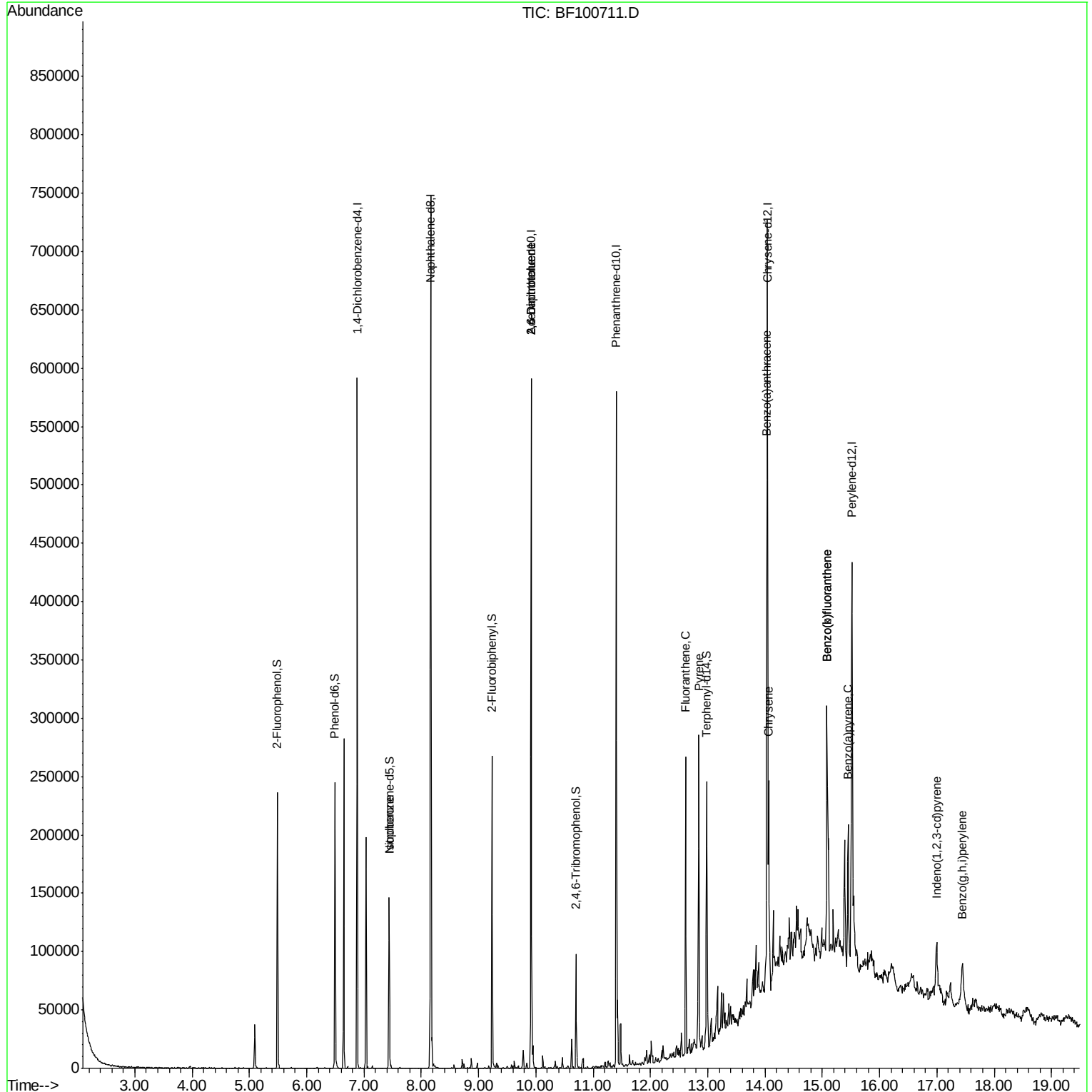
Quant Time: Nov 20 00:11:30 2017

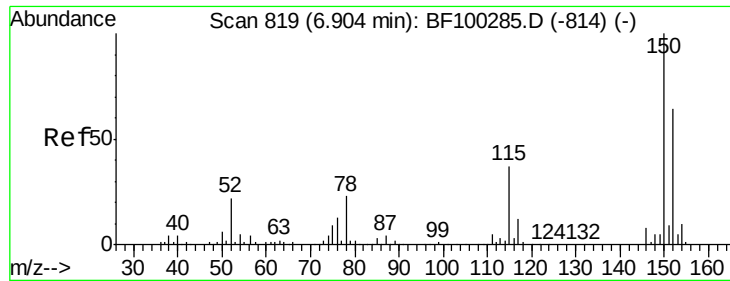
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Nov 17 15:22:08 2017

Response via : Initial Calibration



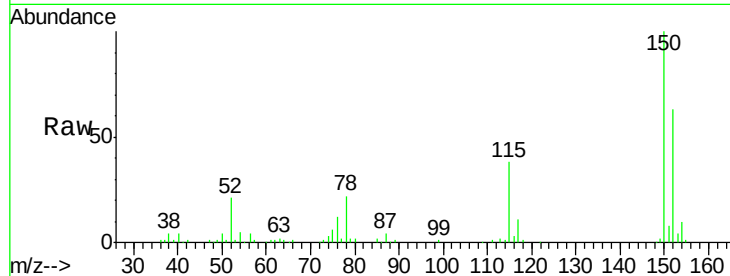


#1

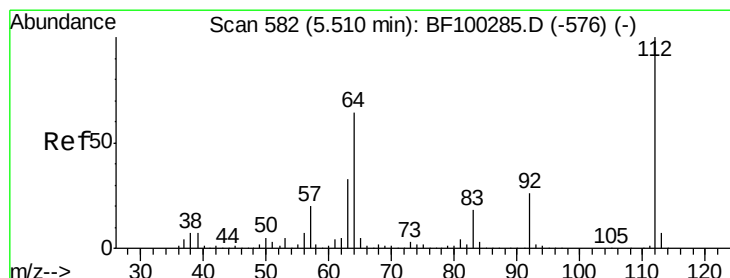
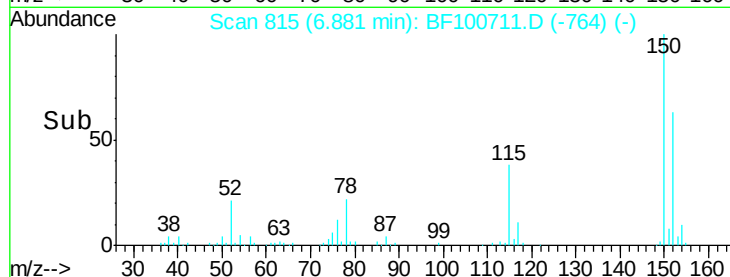
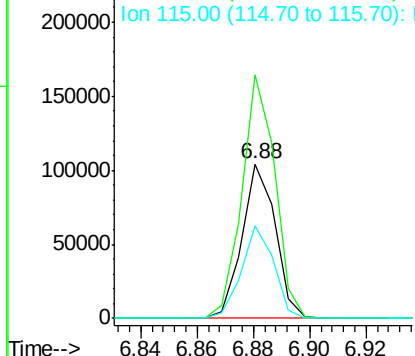
1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.88 min Scan# 815
 Delta R.T. -0.00 min
 Lab File: BF100711.D
 Acq: 18 Nov 2017 9:57

Instrument :
 BNA_F
 ClientSampleId :
 G-31-2-1.5-3

Tgt Ion:152 Resp: 85171
 Ion Ratio Lower Upper
 152 100
 150 157.9 124.6 186.8
 115 59.7 50.1 75.1



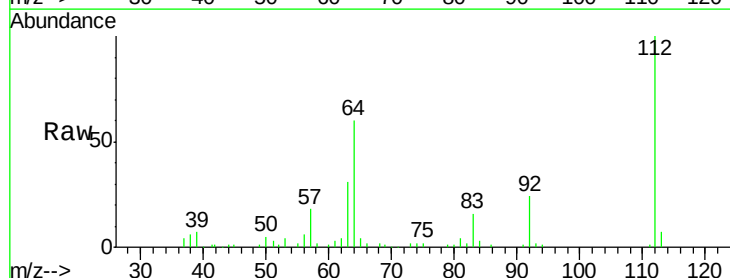
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



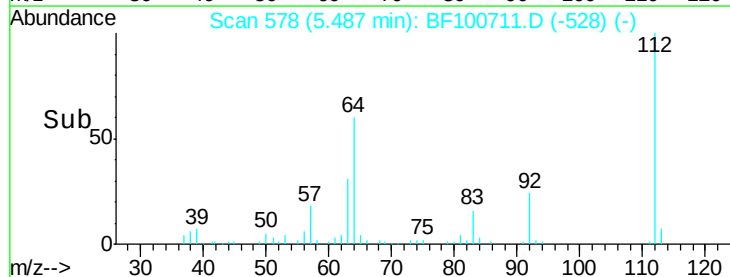
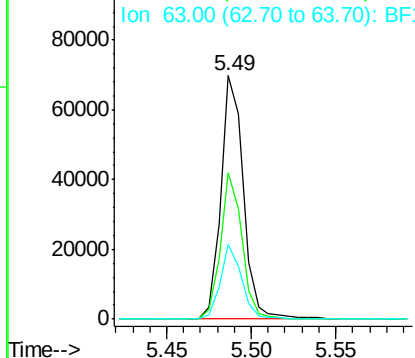
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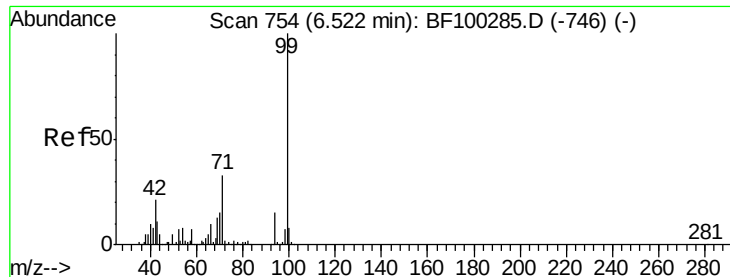
2-Fluorophenol
 Concen: 12.20 ng
 RT: 5.49 min Scan# 578
 Delta R.T. -0.01 min
 Lab File: BF100711.D
 Acq: 18 Nov 2017 9:57

Tgt Ion:112 Resp: 64810
 Ion Ratio Lower Upper
 112 100
 64 60.0 47.9 71.9
 63 30.6 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: 12.04 ng

RT: 6.49 min Scan# 749

Delta R.T. -0.02 min

Lab File: BF100711.D

Acq: 18 Nov 2017 9:57

Instrument :

BNA_F

ClientSampleId :

G-31-2-1.5-3

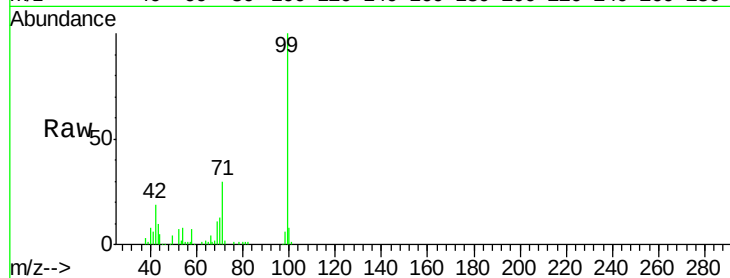
Tgt Ion: 99 Resp: 78882

Ion Ratio Lower Upper

99 100

42 18.9 14.5 21.7

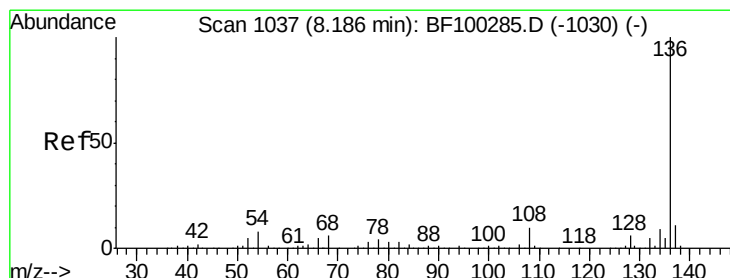
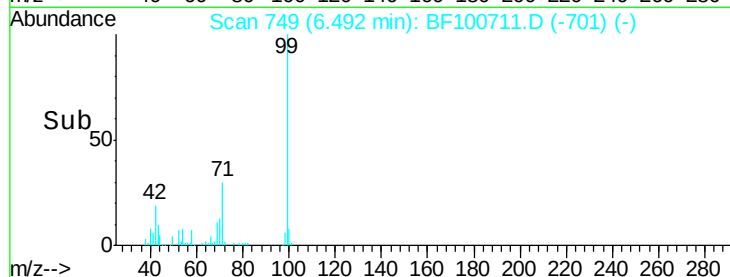
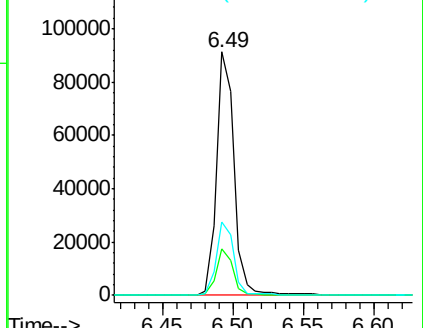
71 30.1 25.4 38.0



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.16 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF100711.D

Acq: 18 Nov 2017 9:57

Tgt Ion: 136 Resp: 307511

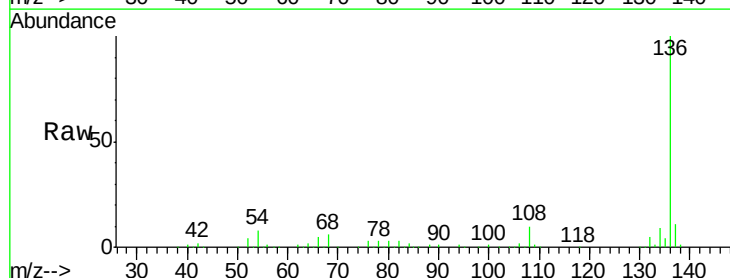
Ion Ratio Lower Upper

136 100

137 11.2 8.9 13.3

54 8.2 6.6 9.8

68 5.7 5.0 7.4

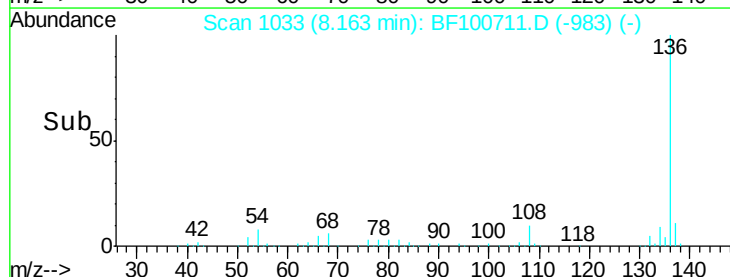
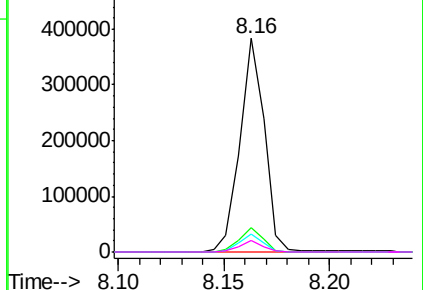


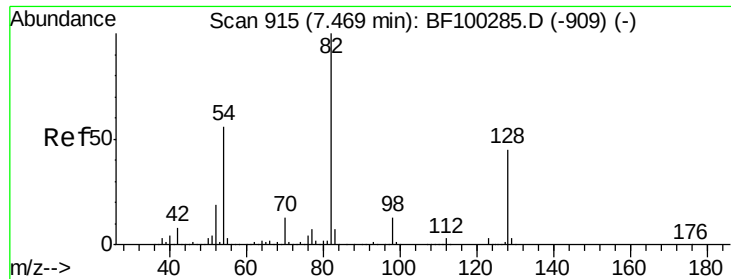
Abundance Ion 136.00 (135.70 to 136.70): E

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

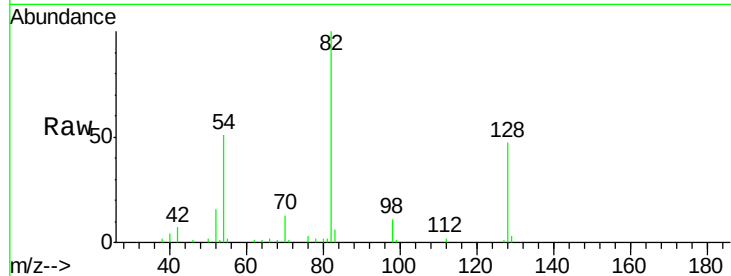




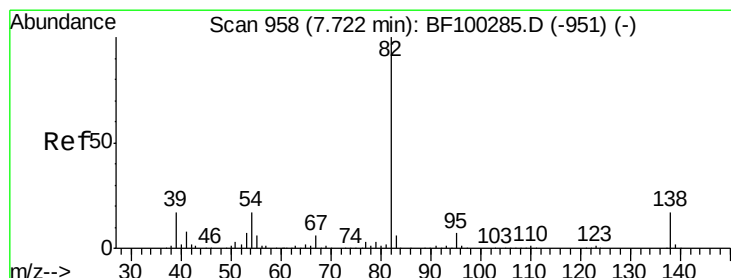
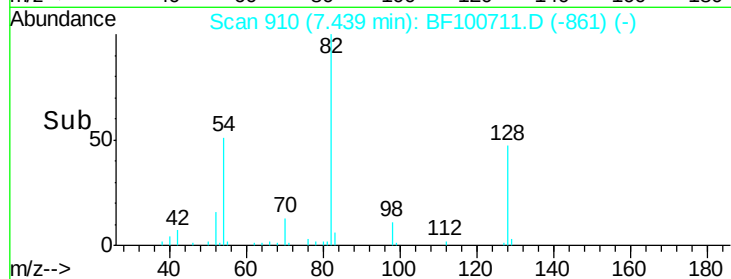
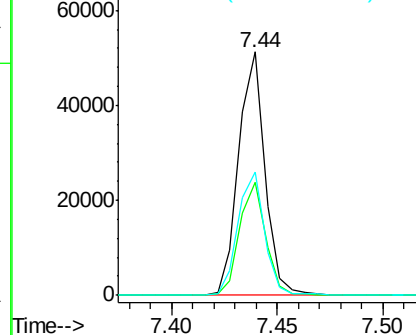
#23
 Nitrobenzene-d5
 Concen: 9.43 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.01 min
 Lab File: BF100711.D
 Acq: 18 Nov 2017 9:57

Instrument :
 BNA_F
 ClientSampleId :
 G-31-2-1.5-3

Tgt Ion	Ratio	Lower	Upper
82	100		
128	46.5	36.1	54.1
54	50.7	41.4	62.2

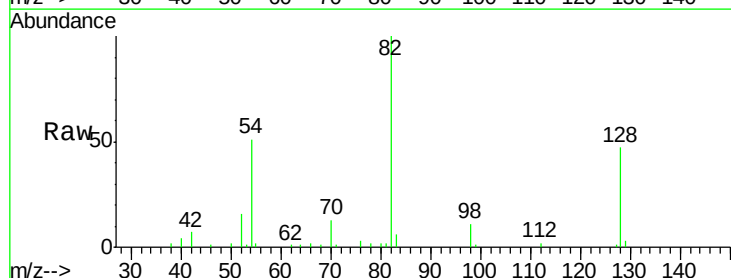


Abundance Ion 82.00 (81.70 to 82.70): BF1
 Ion 128.00 (127.70 to 128.70): BF1
 Ion 54.00 (53.70 to 54.70): BF1

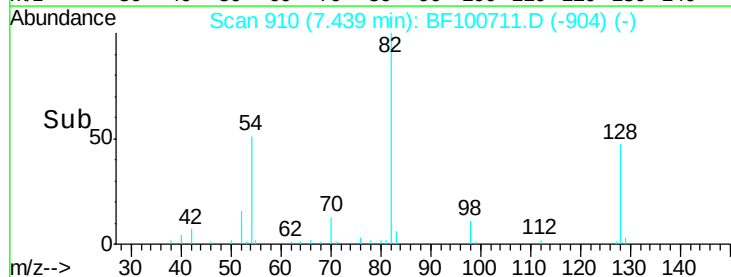
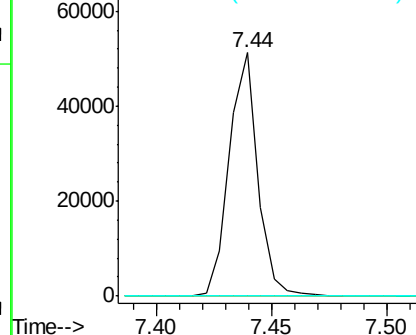


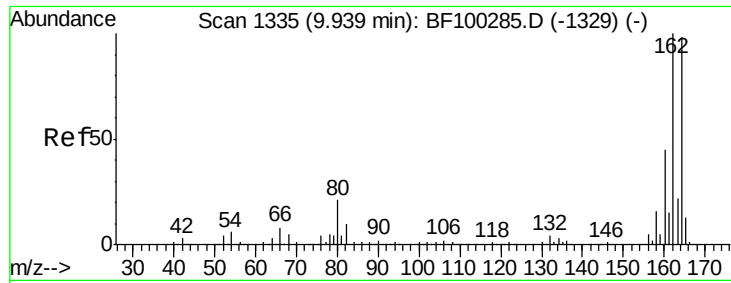
#25
 Isophorone
 Concen: 4.49 ng
 RT: 7.44 min Scan# 910
 Delta R.T. -0.26 min
 Lab File: BF100711.D
 Acq: 18 Nov 2017 9:57

Tgt 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

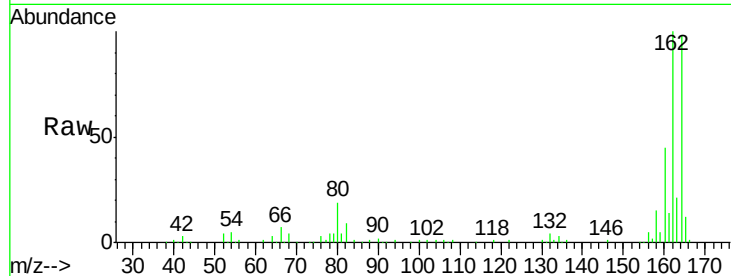




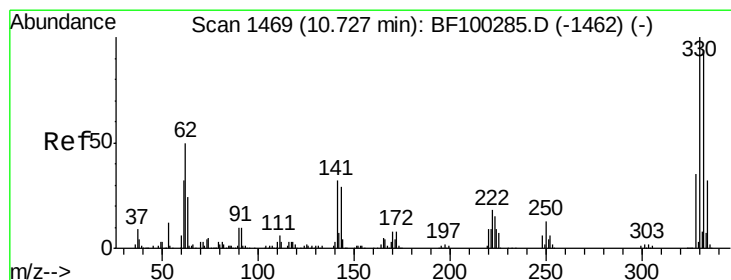
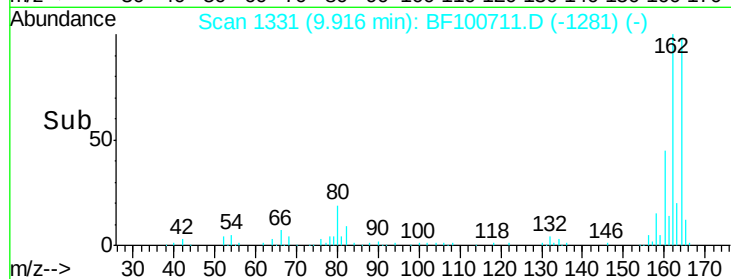
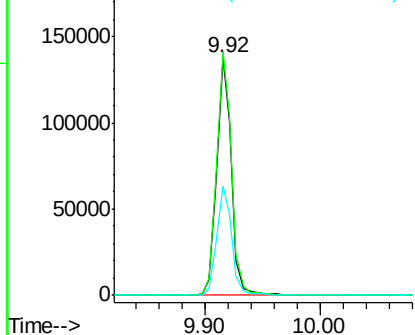
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF100711.D
 Acq: 18 Nov 2017 9:57

Instrument :
 BNA_F
 ClientSampleId :
 G-31-2-1.5-3

Tgt Ion:164 Resp: 120612
 Ion Ratio Lower Upper
 164 100
 162 102.4 86.1 129.1
 160 45.9 38.3 57.5

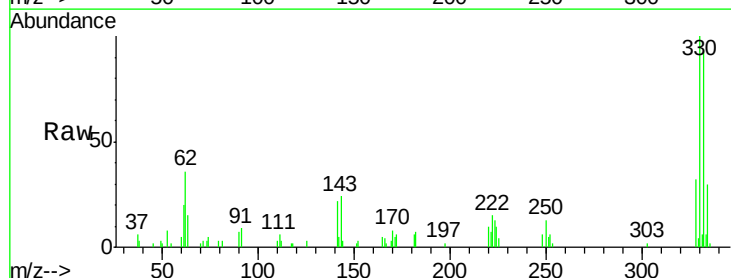


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

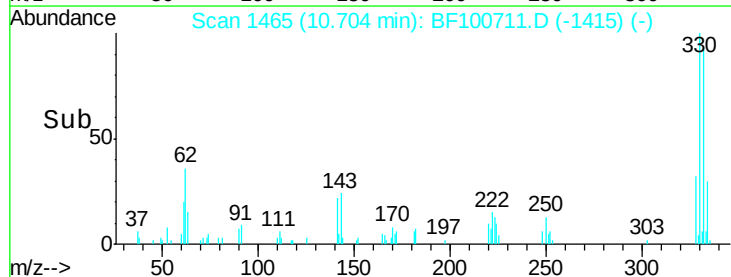
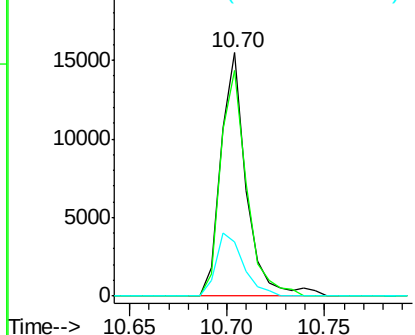


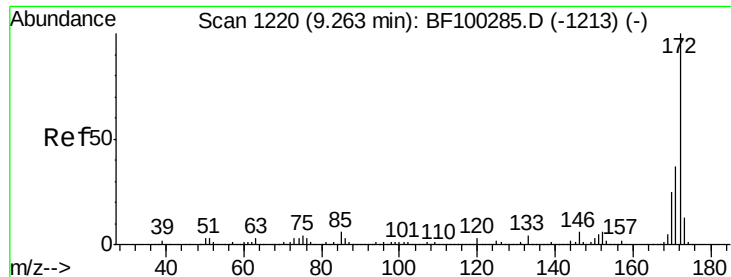
#41
 2,4,6-Tribromophenol
 Concen: 11.37 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF100711.D
 Acq: 18 Nov 2017 9:57

Tgt Ion:330 Resp: 13969
 Ion Ratio Lower Upper
 330 100
 332 94.8 77.0 115.6
 141 27.9 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

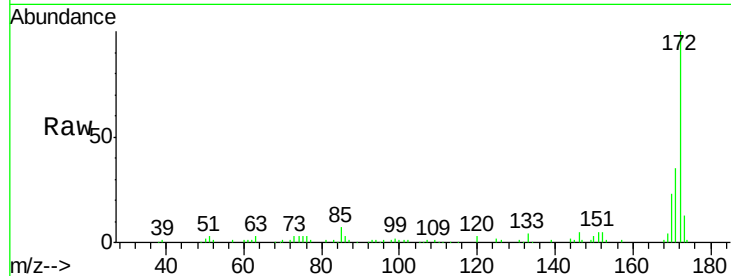




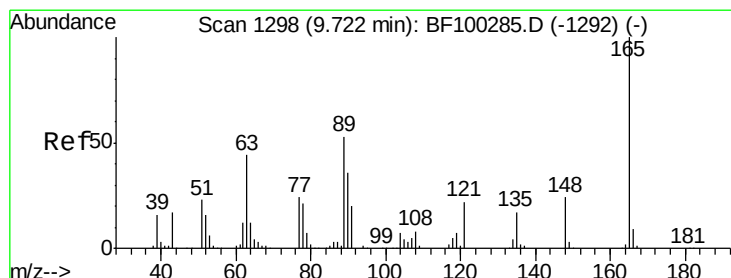
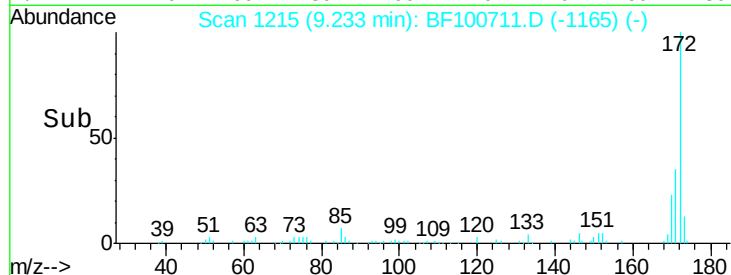
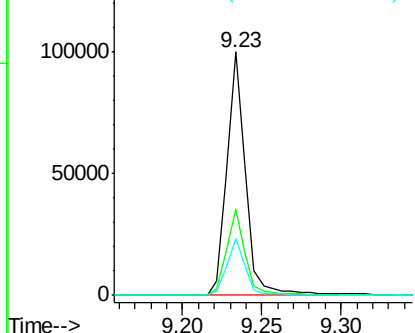
#44
 2-Fluorobiphenyl
 Concen: 10.28 ng
 RT: 9.23 min Scan# 1215
 Delta R.T. -0.01 min
 Lab File: BF100711.D
 Acq: 18 Nov 2017 9:57

Instrument :
 BNA_F
 ClientSampleId :
 G-31-2-1.5-3

Tgt Ion:172 Resp: 81429
 Ion Ratio Lower Upper
 172 100
 171 35.5 29.7 44.5
 170 23.2 19.6 29.4

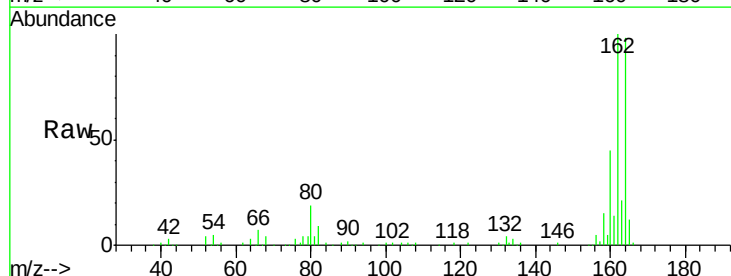


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

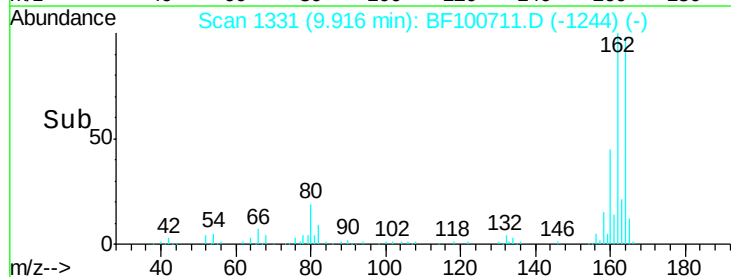
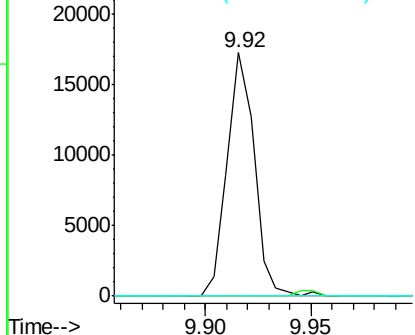


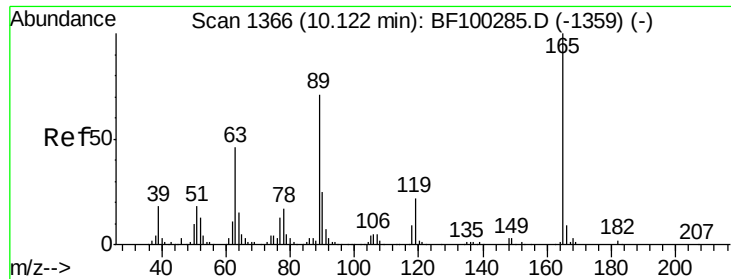
#50
 2,6-Dinitrotoluene
 Concen: 8.45 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. 0.21 min
 Lab File: BF100711.D
 Acq: 18 Nov 2017 9:57

Tgt Ion:165 Resp: 15409
 Ion Ratio Lower Upper
 165 100
 63 0.0 44.7 67.1#
 89 0.0 44.0 66.0#



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

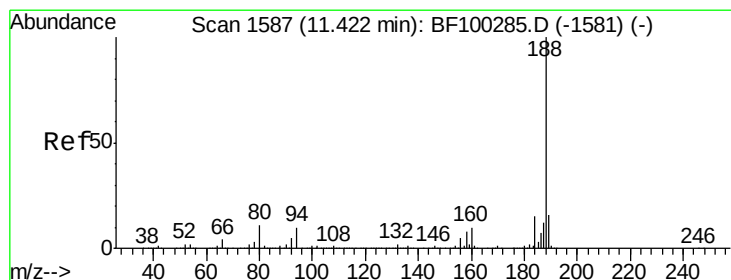
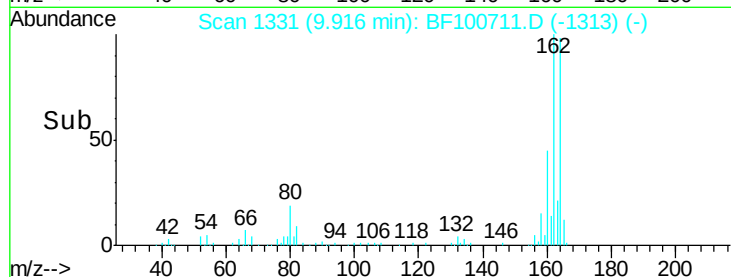
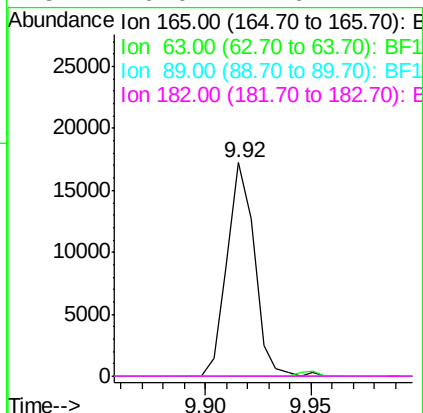
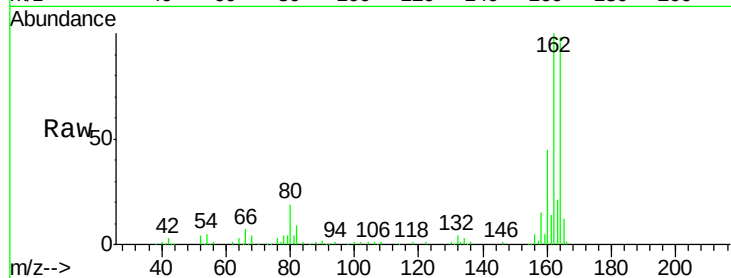




#56
 2,4-Dinitrotoluene
 Concen: 6.70 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.19 min
 Lab File: BF100711.D
 Acq: 18 Nov 2017 9:57

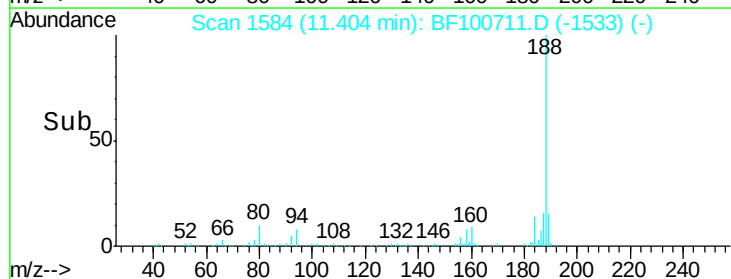
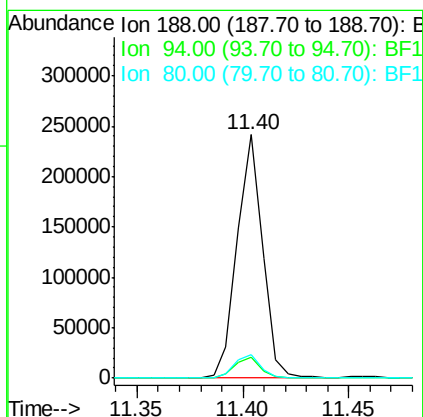
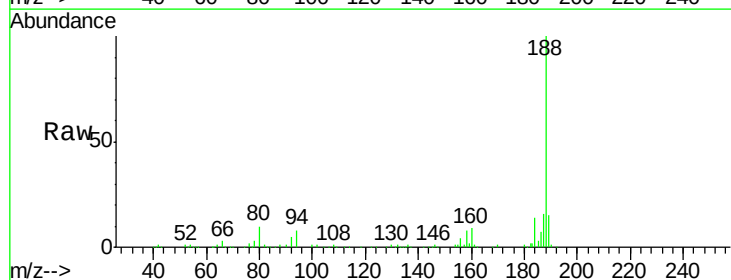
Instrument :
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 G-31-2-1.5-3

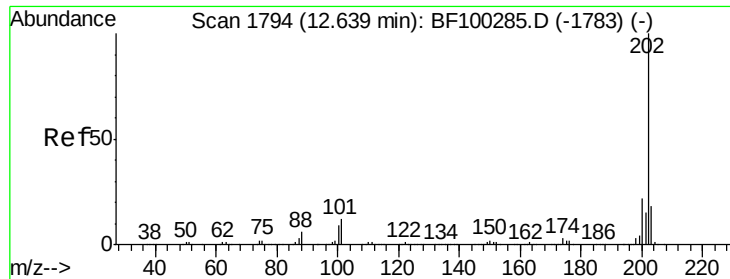
Tgt Ion:	165	Resp:	15409
Ion	Ratio	Lower	Upper
165	100		
63	0.0	36.4	54.6#
89	0.0	57.8	86.6#
182	0.0	1.6	2.4#



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.40 min Scan# 1584
 Delta R.T. -0.00 min
 Lab File: BF100711.D
 Acq: 18 Nov 2017 9:57

Tgt Ion:	188	Resp:	201127
Ion	Ratio	Lower	Upper
188	100		
94	8.5	8.5	12.7#
80	9.5	9.2	13.8

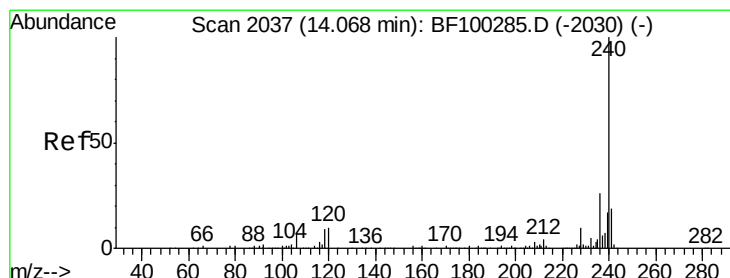
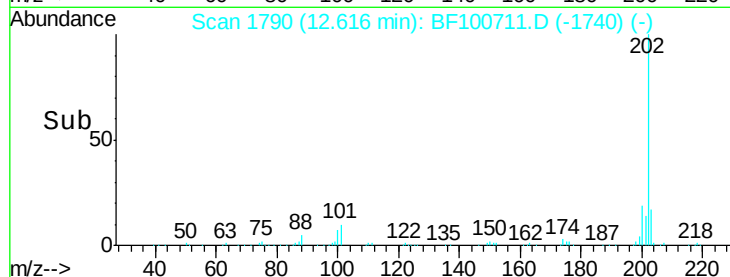
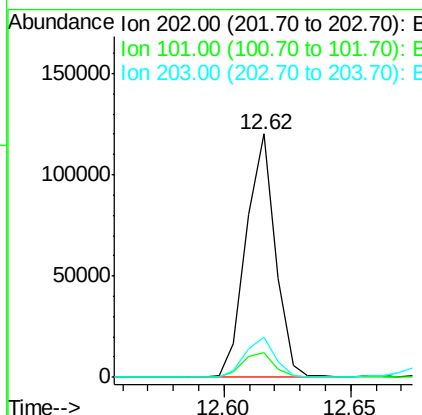
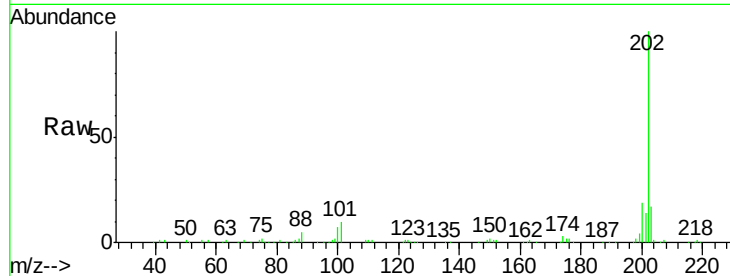




#74
Fluoranthene
Concen: 8.63 ng
RT: 12.62 min Scan# 1790
Delta R.T. -0.01 min
Lab File: BF100711.D
Acq: 18 Nov 2017 9:57

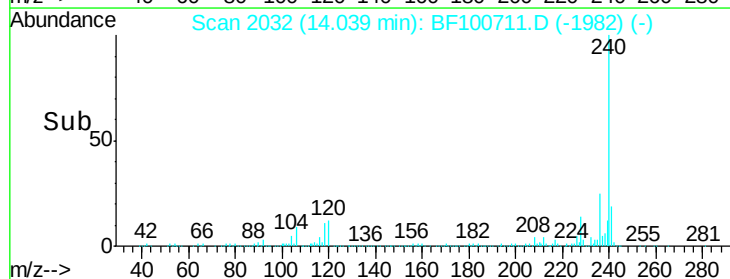
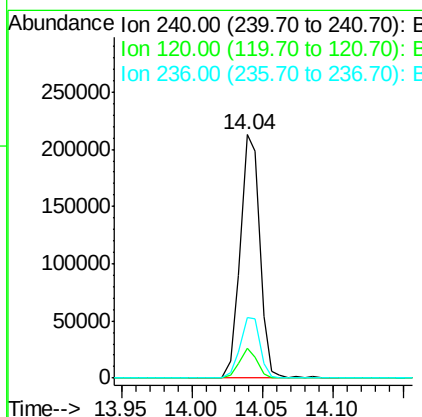
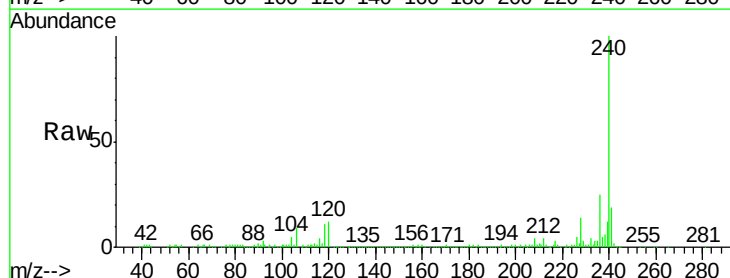
Instrument :
BNA_F
ClientSampleId :
G-31-2-1.5-3

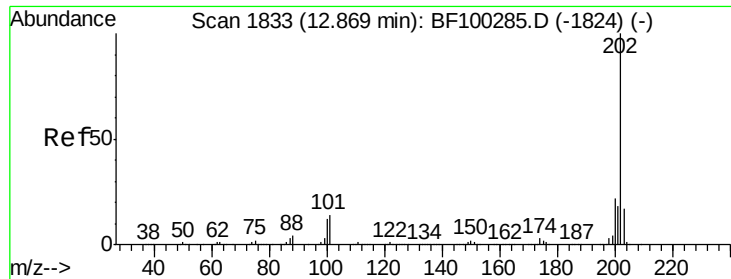
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	96868		
101	9.9		0.0	34.1
203	16.7		0.0	38.1



#75
Chrysene-d12
Concen: 20.00 ng
RT: 14.04 min Scan# 2032
Delta R.T. -0.01 min
Lab File: BF100711.D
Acq: 18 Nov 2017 9:57

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	205970		
120	12.3		9.5	14.3
236	24.8		20.7	31.1

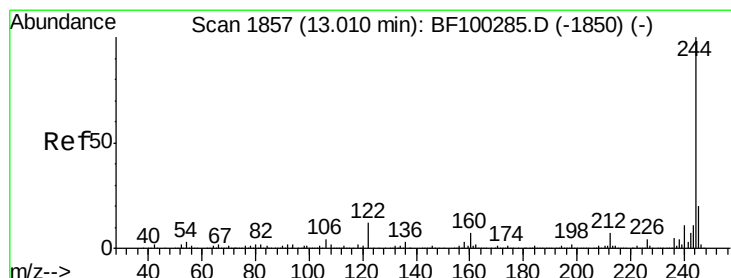
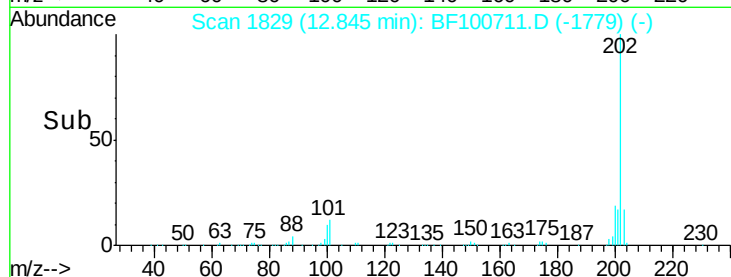
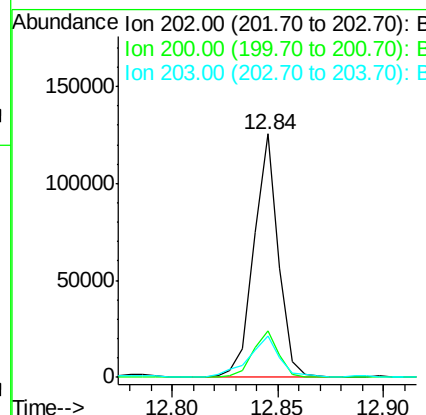
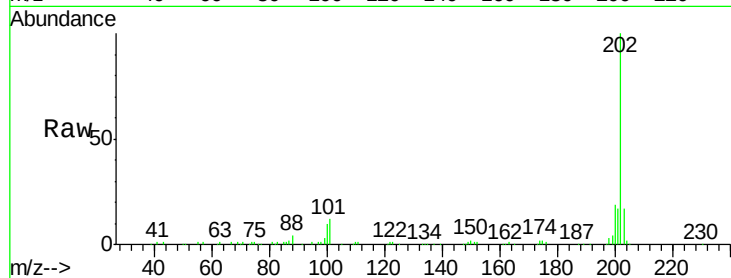




#77
 Pyrene
 Concen: 6.93 ng
 RT: 12.84 min Scan# 1829
 Delta R.T. -0.01 min
 Lab File: BF100711.D
 Acq: 18 Nov 2017 9:57

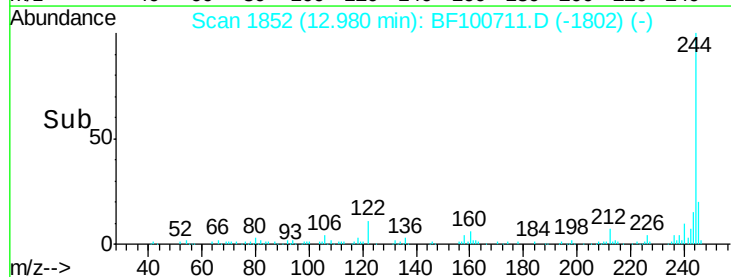
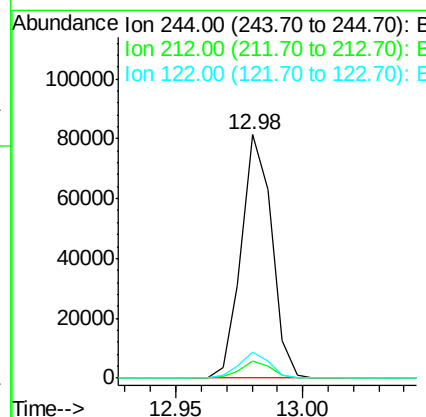
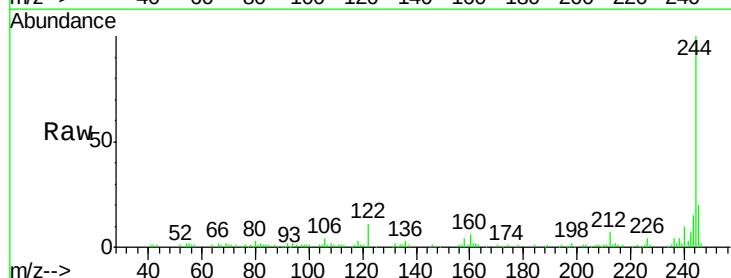
Instrument :
 BNA_F
 ClientSampleId :
 G-31-2-1.5-3

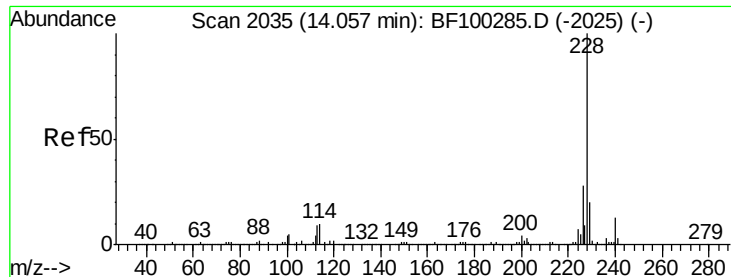
Tgt Ion	Ratio	Lower	Upper
202	100		
200	19.2	17.4	26.2
203	17.2	14.3	21.5



#78
 Terphenyl-d14
 Concen: 7.59 ng
 RT: 12.98 min Scan# 1852
 Delta R.T. -0.01 min
 Lab File: BF100711.D
 Acq: 18 Nov 2017 9:57

Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.0	5.4	8.0
122	10.9	11.0	16.4





#80

Benzo(a)anthracene

Concen: 6.48 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF100711.D

Acq: 18 Nov 2017 9:57

Instrument :

BNA_F

ClientSampleId :

G-31-2-1.5-3

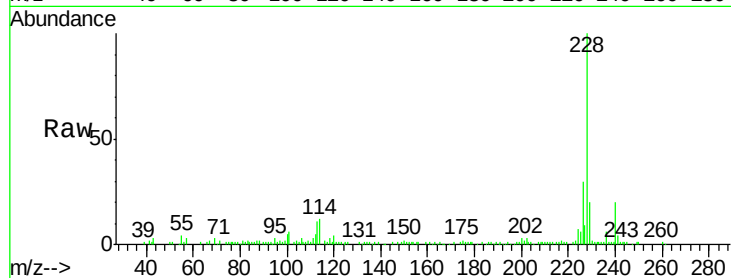
Tgt Ion:228 Resp: 80394

Ion Ratio Lower Upper

228 100

226 29.8 22.6 33.8

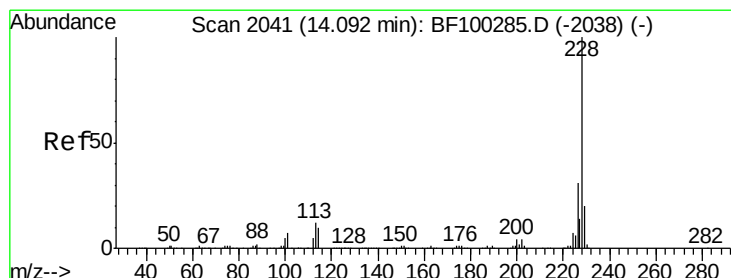
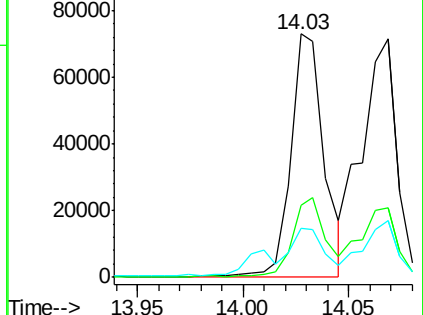
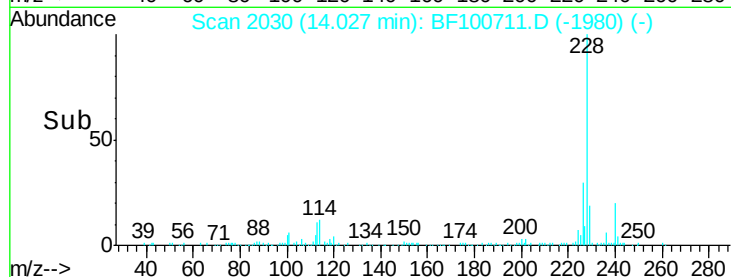
229 20.3 15.8 23.6



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



#82

Chrysene

Concen: 6.94 ng

RT: 14.07 min Scan# 2037

Delta R.T. -0.01 min

Lab File: BF100711.D

Acq: 18 Nov 2017 9:57

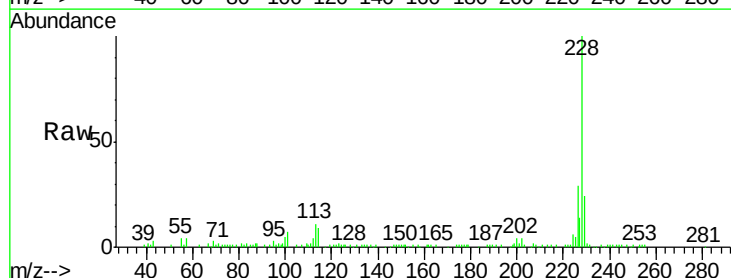
Tgt Ion:228 Resp: 83365

Ion Ratio Lower Upper

228 100

226 29.3 25.0 37.6

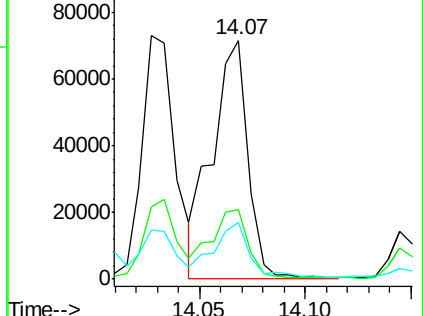
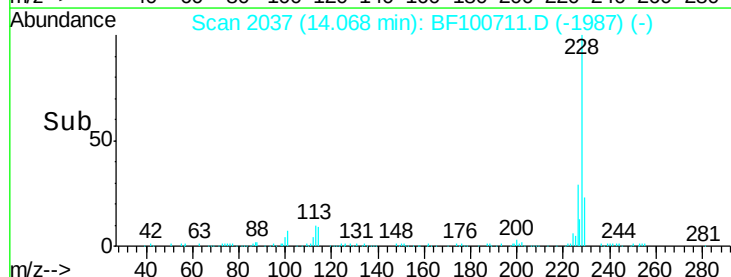
229 23.8 16.2 24.4

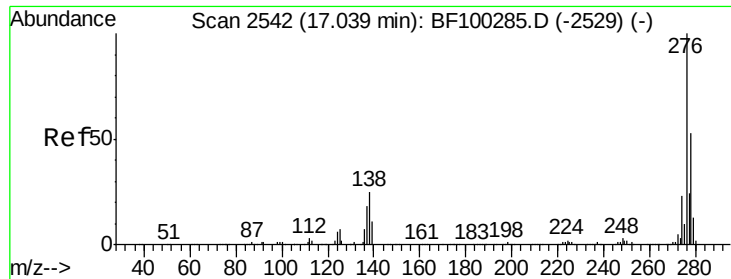


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

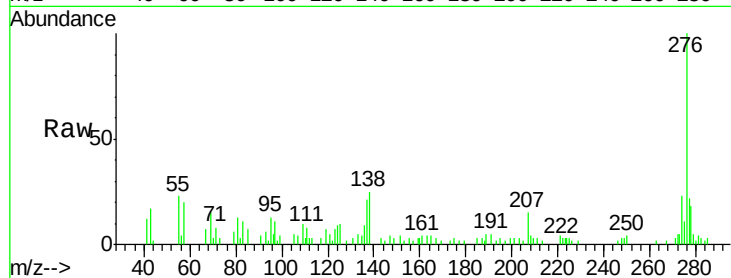




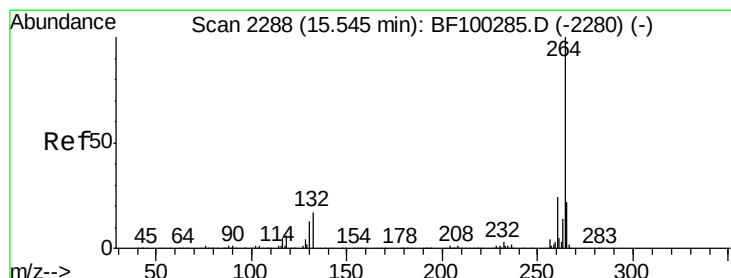
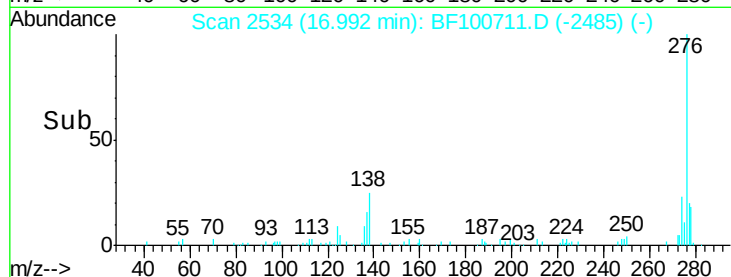
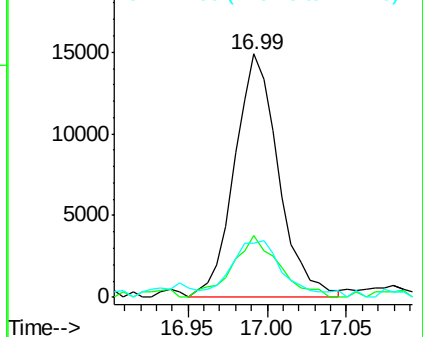
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.95 ng
 RT: 16.99 min Scan# 2534
 Delta R.T. -0.01 min
 Lab File: BF100711.D
 Acq: 18 Nov 2017 9:57

Instrument :
 BNA_F
 ClientSampleId :
 G-31-2-1.5-3

Tgt Ion	Ratio	Lower	Upper
276	100		
138	26.9	25.0	37.6
277	28.3	20.1	30.1

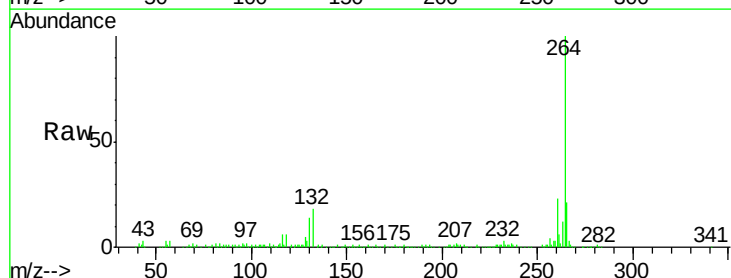


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

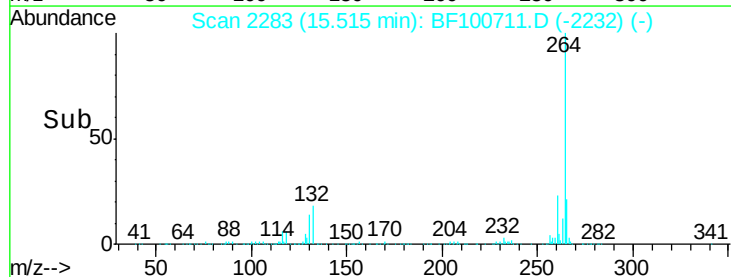
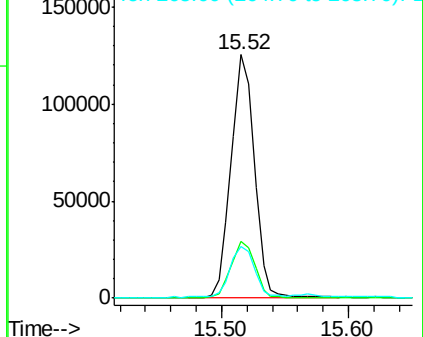


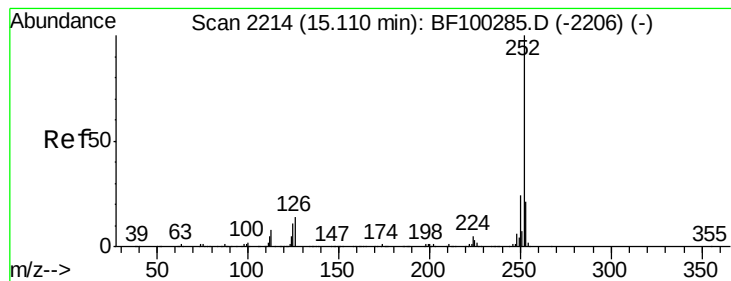
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.52 min Scan# 2283
 Delta R.T. -0.00 min
 Lab File: BF100711.D
 Acq: 18 Nov 2017 9:57

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.4	19.2	28.8
265	21.2	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





#87

Benzo(b)fluoranthene

Concen: 16.20 ng

RT: 15.08 min Scan# 2209

Delta R.T. -0.01 min

Lab File: BF100711.D

Acq: 18 Nov 2017 9:57

Instrument :

BNA_F

ClientSampleId :

G-31-2-1.5-3

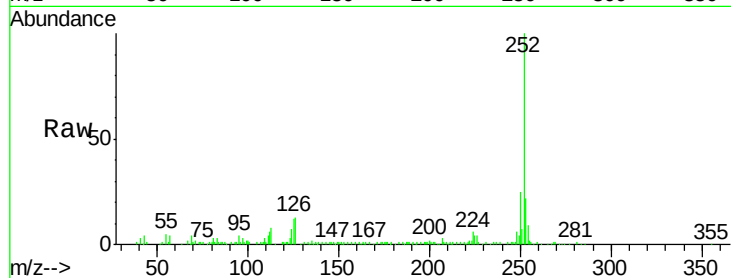
Tgt Ion:252 Resp: 154376

Ion Ratio Lower Upper

252 100

253 22.2 17.0 25.6

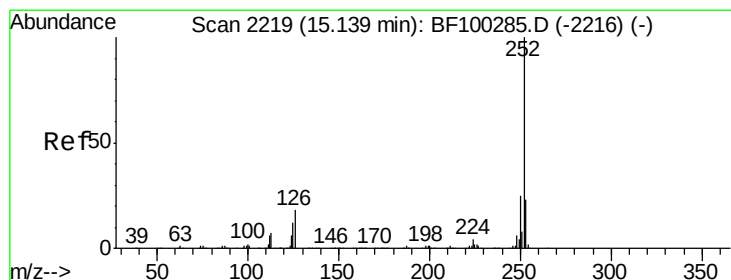
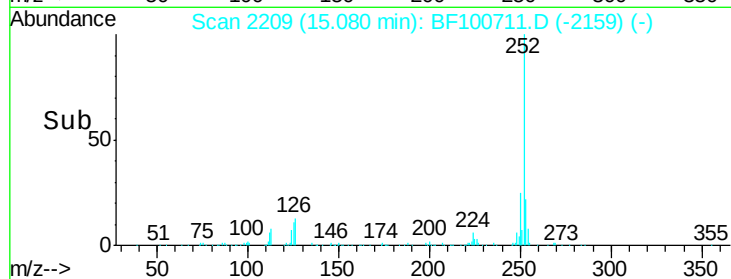
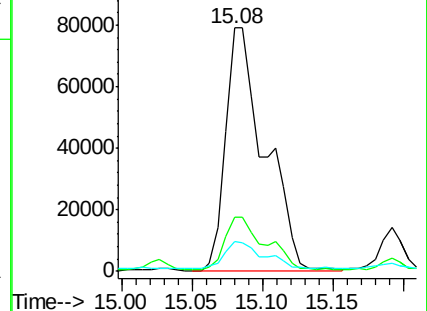
125 12.3 9.0 13.6



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



#88

Benzo(k)fluoranthene

Concen: 17.14 ng

RT: 15.08 min Scan# 2209

Delta R.T. -0.04 min

Lab File: BF100711.D

Acq: 18 Nov 2017 9:57

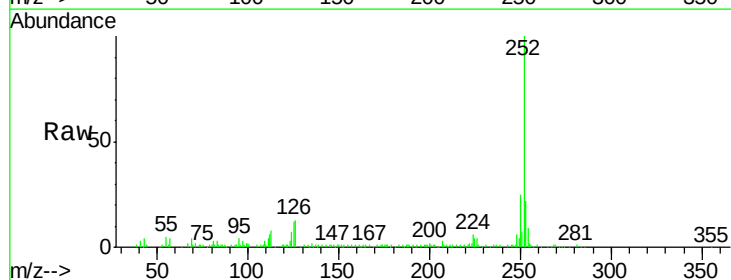
Tgt Ion:252 Resp: 154376

Ion Ratio Lower Upper

252 100

253 22.2 17.9 26.9

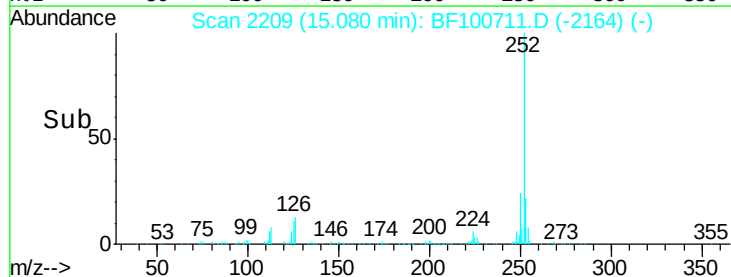
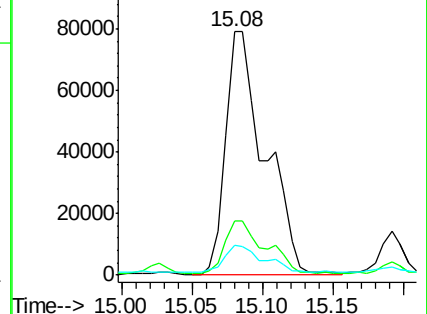
125 12.3 10.2 15.2

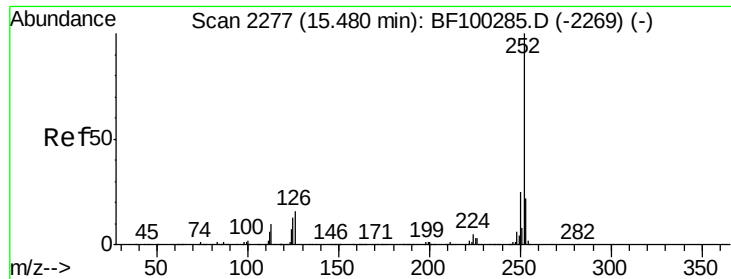


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 6.64 ng

RT: 15.45 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BF100711.D

Acq: 18 Nov 2017 9:57

Instrument :

BNA_F

ClientSampleId :

G-31-2-1.5-3

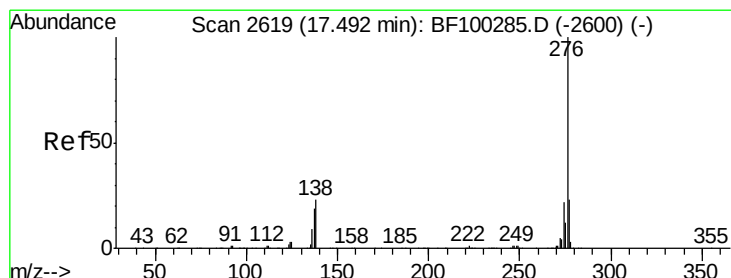
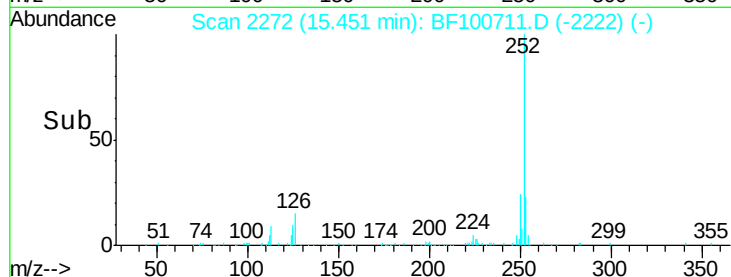
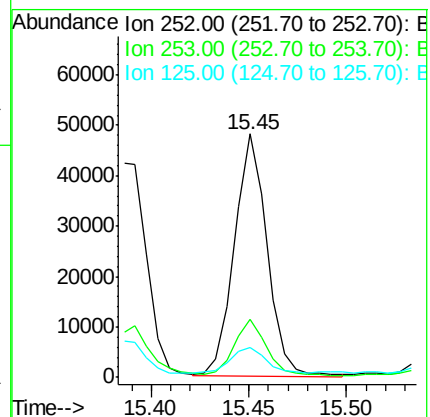
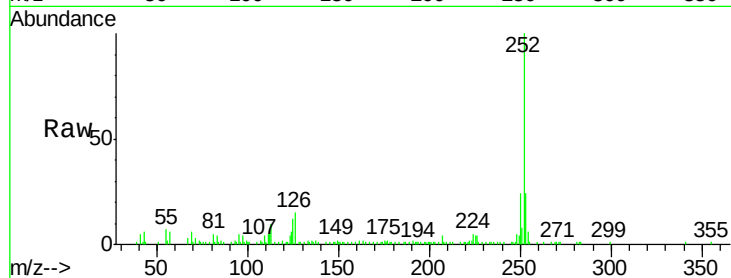
Tgt Ion: 252 Resp: 56126

Ion Ratio Lower Upper

252 100

253 24.0 17.1 25.7

125 12.0 9.8 14.6



#91

Benzo(g,h,i)perylene

Concen: 3.73 ng

RT: 17.44 min Scan# 2611

Delta R.T. -0.01 min

Lab File: BF100711.D

Acq: 18 Nov 2017 9:57

Tgt Ion: 276 Resp: 25235

Ion Ratio Lower Upper

276 100

277 24.7 17.9 26.9

138 22.0 21.8 32.8

