

Data File : BF100696.D
Acq On : 18 Nov 2017 1:31
Operator : SJ/JU
Sample : I6423-02
Misc :
ALS Vial : 18 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
B8(0-10)COMP

Quant Time: Nov 18 02:48:30 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	110917	20.00	ng	0.00
21) Naphthalene-d8	8.16	136	435079	20.00	ng	0.00
38) Acenaphthene-d10	9.92	164	183969	20.00	ng	0.00
63) Phenanthrene-d10	11.40	188	282184	20.00	ng	0.00
75) Chrysene-d12	14.04	240	235088	20.00	ng	0.00
86) Perylene-d12	15.52	264	242185	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	663286	95.86	ng	0.01
7) Phenol-d6	6.51	99	791039	92.71	ng	0.00
23) Nitrobenzene-d5	7.45	82	499218	75.86	ng	0.00
41) 2,4,6-Tribromophenol	10.70	330	172286	91.90	ng	0.00
44) 2-Fluorobiphenyl	9.24	172	912032	75.49	ng	0.00
78) Terphenyl-d14	12.99	244	583726	57.05	ng	0.00

Target Compounds						Qvalue
10) Phenol	6.52	94	41388	4.62	ng	92
19) n-Nitroso-di-n-propylamine	7.45	70	63966	10.81	ng	# 80
25) Isophorone	7.45	82	499212	36.10	ng	# 64
47) 2-Nitroaniline	9.63	65	830	3.01	ng	# 1
49) Dimethylphthalate	9.63	163	100828	7.18	ng	99
56) 2,4-Dinitrotoluene	9.92	165	24012	6.85	ng	# 21
62) Azobenzene	10.63	77	52091	3.93	ng	# 1
64) 4,6-Dinitro-2-methylphenol	10.70	198	108	8.63	ng	# 1
66) 4-Bromophenyl-phenylether	10.70	248	10178	3.36	ng	# 1
70) Phenanthrene	11.43	178	116349	7.83	ng	98
71) Anthracene	11.47	178	35403	2.35	ng	99
74) Fluoranthene	12.62	202	192569	12.23	ng	95
77) Pyrene	12.85	202	163740	9.77	ng	97
80) Benzo(a)anthracene	14.03	228	108032	7.63	ng	99
82) Chrysene	14.06	228	95857	6.99	ng	97
85) Indeno(1,2,3-cd)pyrene	16.99	276	43361	3.91	ng	92
87) Benzo(b)fluoranthene	15.08	252	170506	11.88	ng	98
88) Benzo(k)fluoranthene	15.08	252	170506	12.58	ng	98
89) Benzo(a)pyrene	15.45	252	82292	6.47	ng	96
91) Benzo(g,h,i)perylene	17.44	276	40556	3.98	ng	94

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

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B8(0-10)COMP

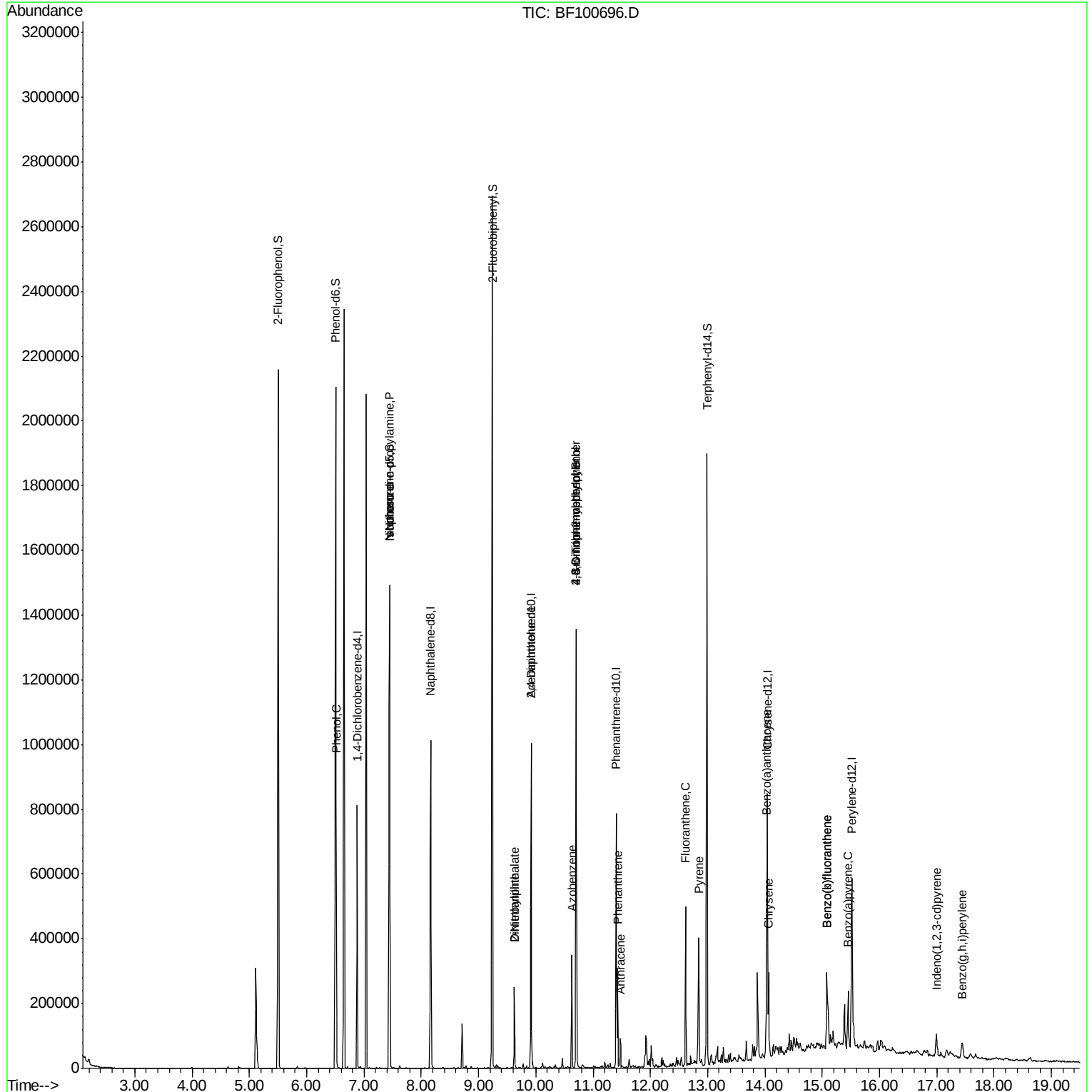
Quant Time: Nov 18 02:48:30 2017

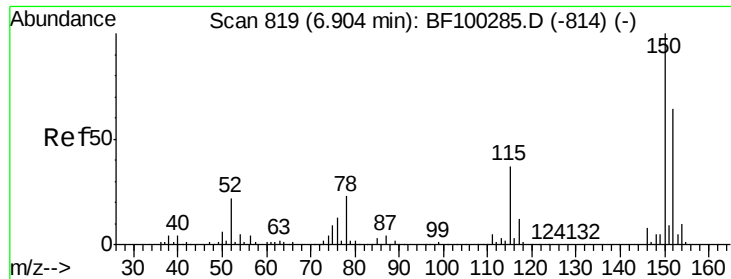
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF110817.M

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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: BF100696.D

Acq: 18 Nov 2017 1:31

Instrument :

BNA_F

ClientSampleId :

B8(0-10)COMP

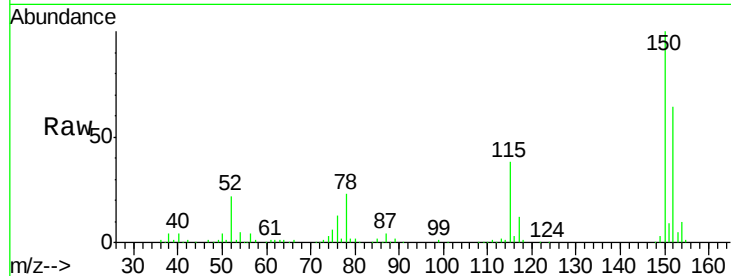
Tgt Ion:152 Resp: 110917

Ion Ratio Lower Upper

152 100

150 156.0 124.6 186.8

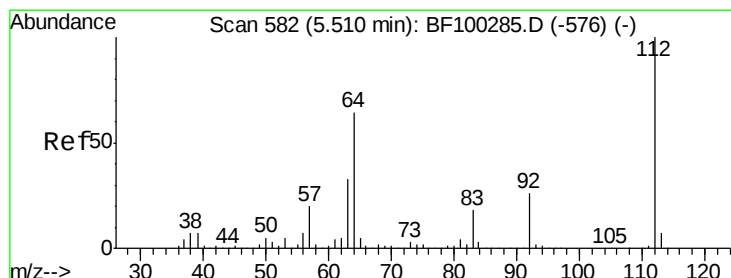
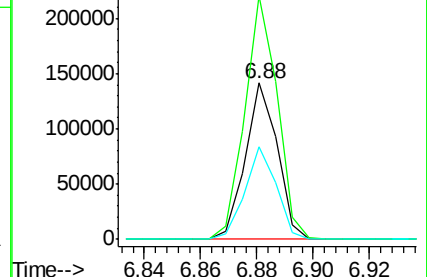
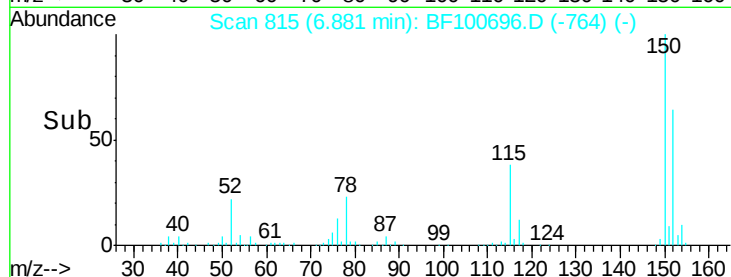
115 59.3 50.1 75.1



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: 95.86 ng

RT: 5.50 min Scan# 581

Delta R.T. 0.01 min

Lab File: BF100696.D

Acq: 18 Nov 2017 1:31

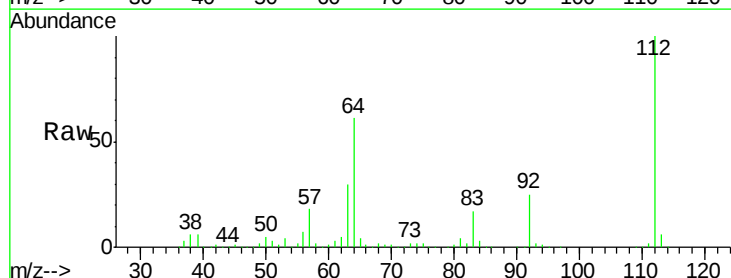
Tgt Ion:112 Resp: 663286

Ion Ratio Lower Upper

112 100

64 60.7 47.9 71.9

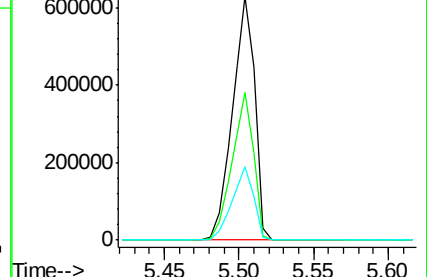
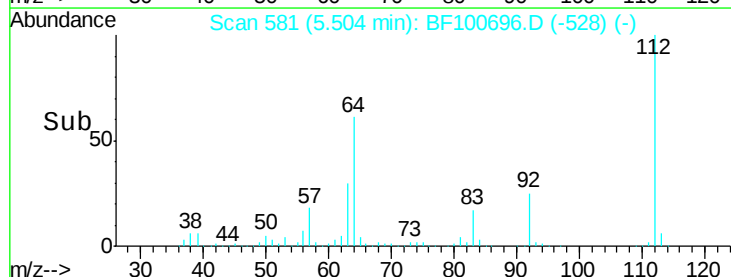
63 30.4 23.7 35.5



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: 92.71 ng

RT: 6.51 min Scan# 752

Delta R.T. 0.00 min

Lab File: BF100696.D

Acq: 18 Nov 2017 1:31

Instrument :

BNA_F

ClientSampleId :

B8(0-10)COMP

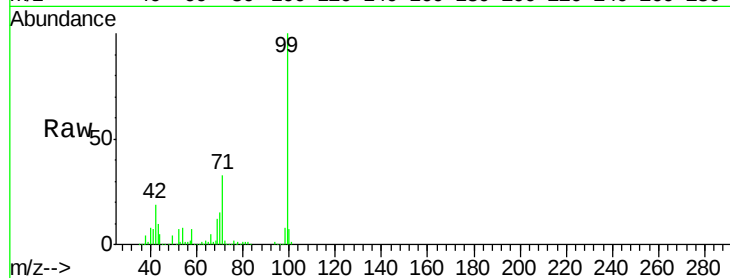
Tgt Ion: 99 Resp: 791039

Ion Ratio Lower Upper

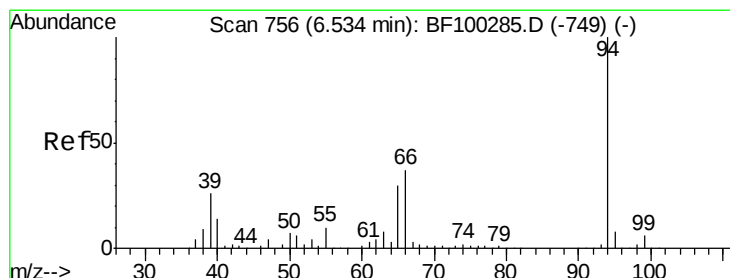
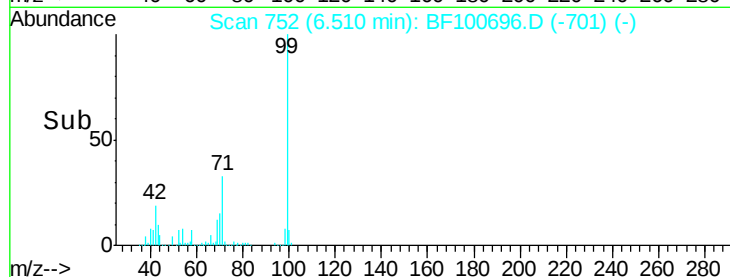
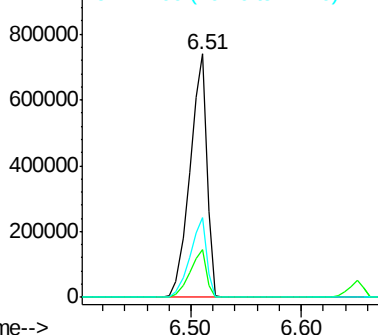
99 100

42 19.5 14.5 21.7

71 32.6 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: 4.62 ng

RT: 6.52 min Scan# 754

Delta R.T. 0.00 min

Lab File: BF100696.D

Acq: 18 Nov 2017 1:31

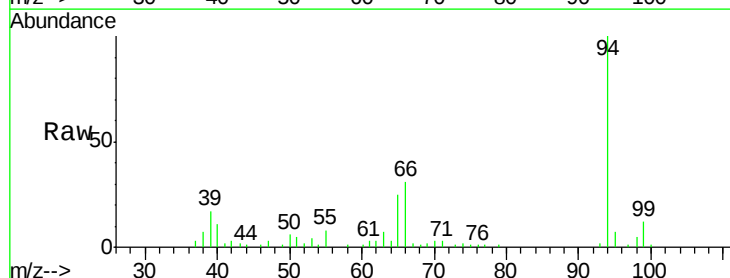
Tgt Ion: 94 Resp: 41388

Ion Ratio Lower Upper

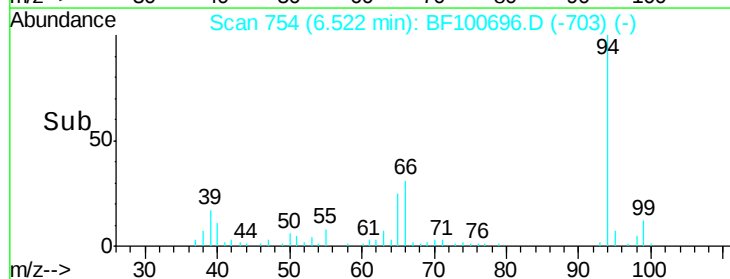
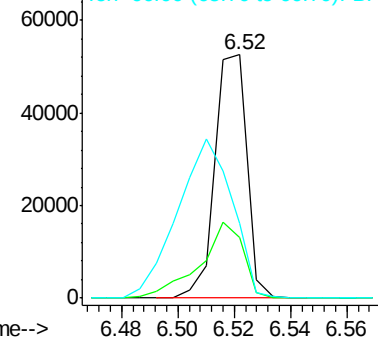
94 100

65 24.8 7.9 47.9

66 30.9 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

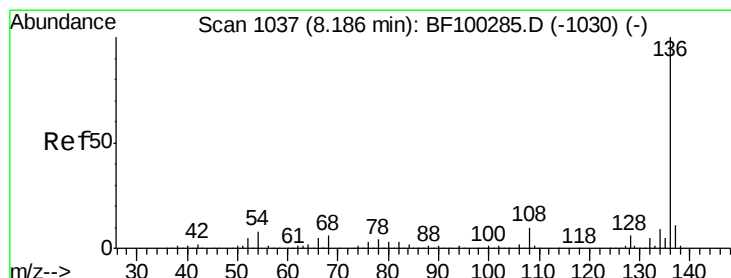
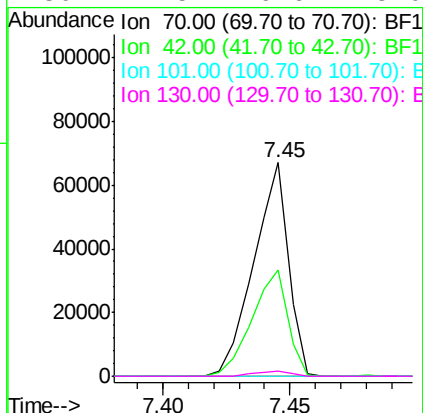
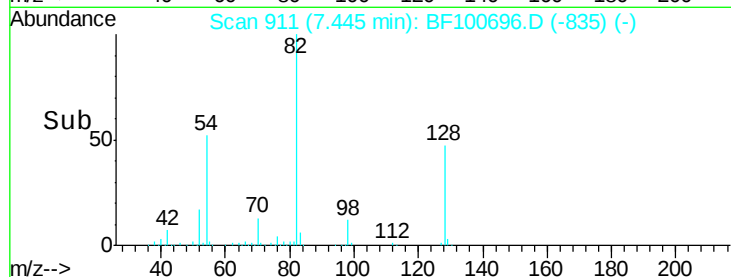
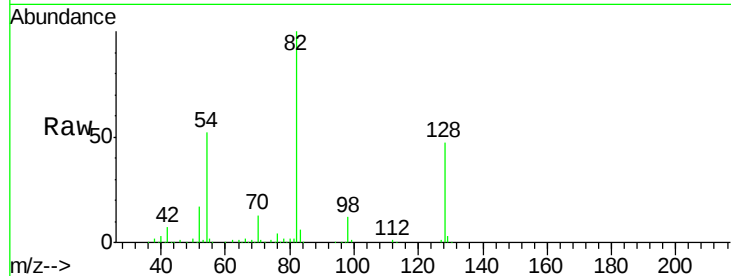




#19
n-Nitroso-di-n-propylamine
Concen: 10.81 ng
RT: 7.45 min Scan# 911
Delta R.T. 0.15 min
Lab File: BF100696.D
Acq: 18 Nov 2017 1:31

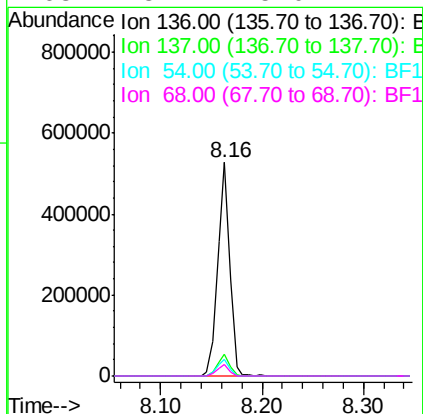
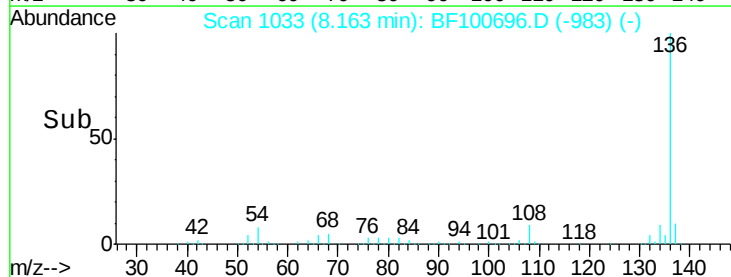
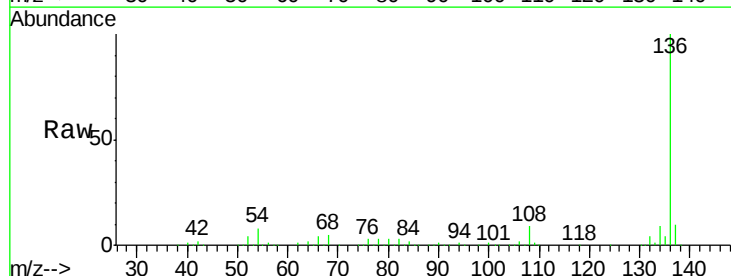
Instrument :
BNA_F
ClientSampleId :
B8(0-10)COMP

Tgt Ion: 70 Resp: 63966
Ion Ratio Lower Upper
70 100
42 50.0 47.5 71.3
101 0.0 7.4 11.2#
130 2.5 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: BF100696.D
Acq: 18 Nov 2017 1:31

Tgt Ion: 136 Resp: 435079
Ion Ratio Lower Upper
136 100
137 10.5 8.9 13.3
54 8.0 6.6 9.8
68 5.4 5.0 7.4

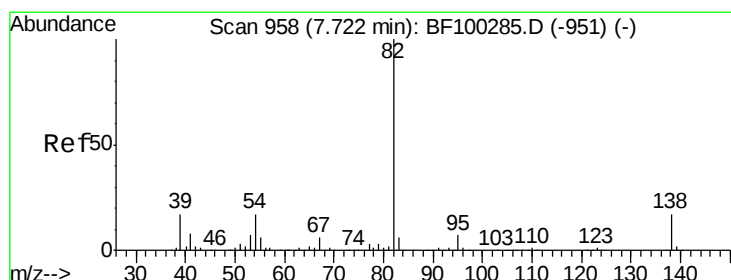
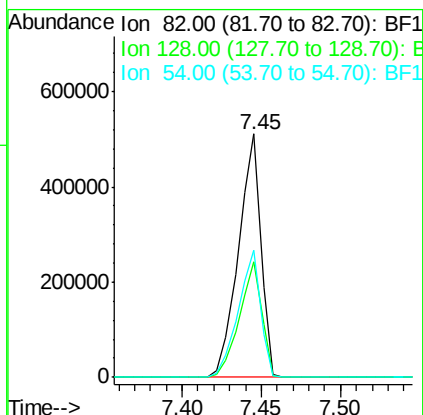
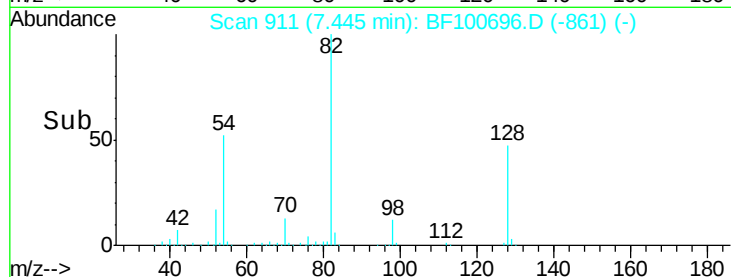
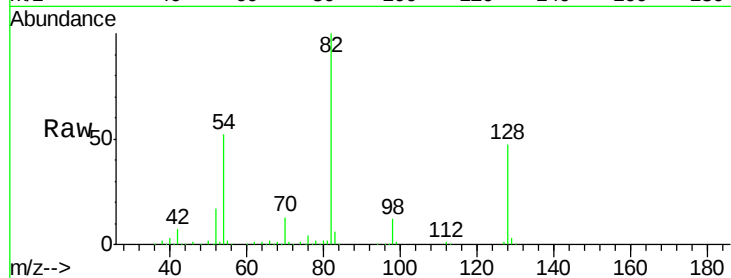




#23
Nitrobenzene-d5
Concen: 75.86 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.01 min
Lab File: BF100696.D
Acq: 18 Nov 2017 1:31

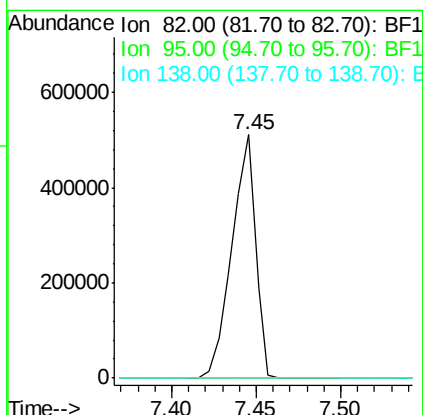
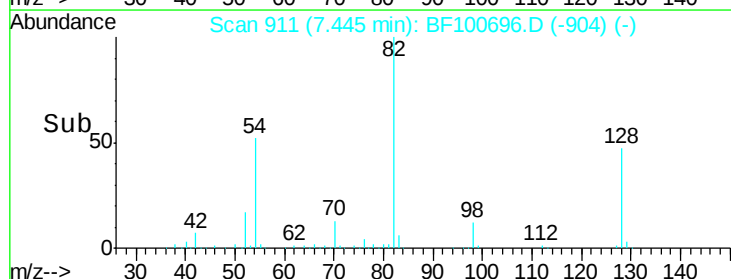
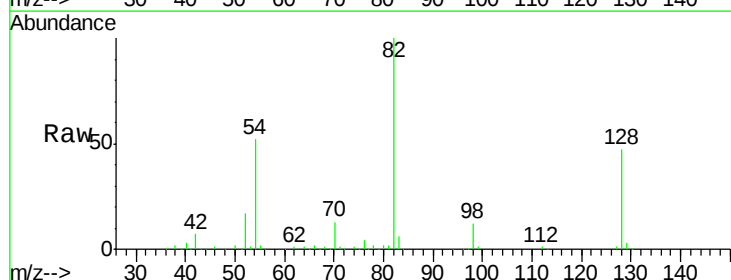
Instrument :
BNA_F
ClientSampleId :
B8(0-10)COMP

Tgt Ion: 82 Resp: 499218
Ion Ratio Lower Upper
82 100
128 47.5 36.1 54.1
54 52.4 41.4 62.2



#25
Isophorone
Concen: 36.10 ng
RT: 7.45 min Scan# 911
Delta R.T. -0.26 min
Lab File: BF100696.D
Acq: 18 Nov 2017 1:31

Tgt Ion: 82 Resp: 499212
Ion Ratio Lower Upper
82 100
95 0.0 5.2 7.8#
138 0.0 14.9 22.3#

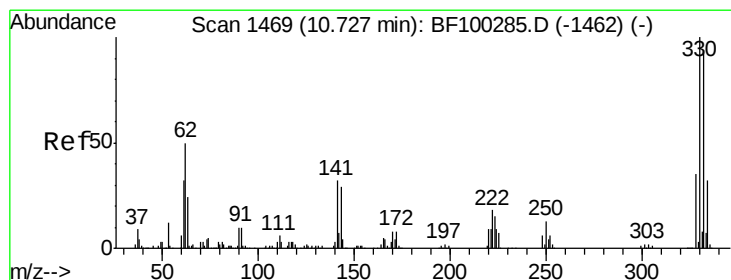
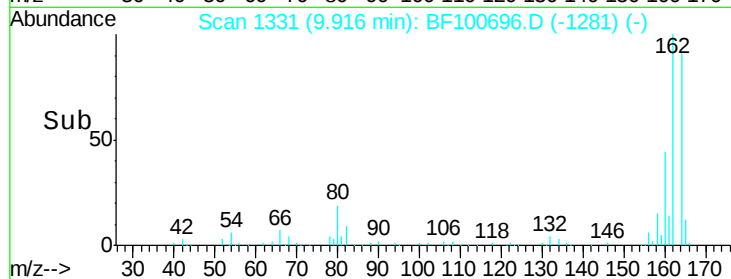
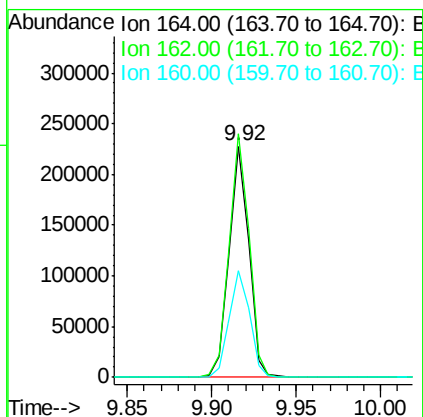
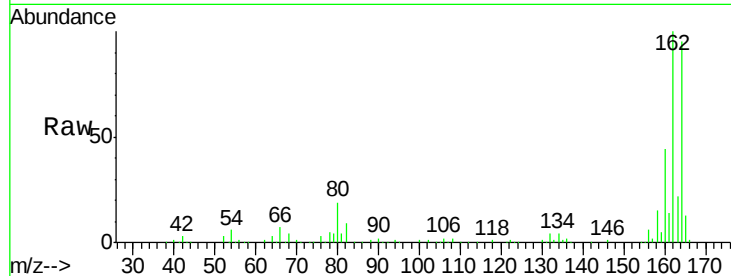




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.92 min Scan# 1331
 Delta R.T. -0.01 min
 Lab File: BF100696.D
 Acq: 18 Nov 2017 1:31

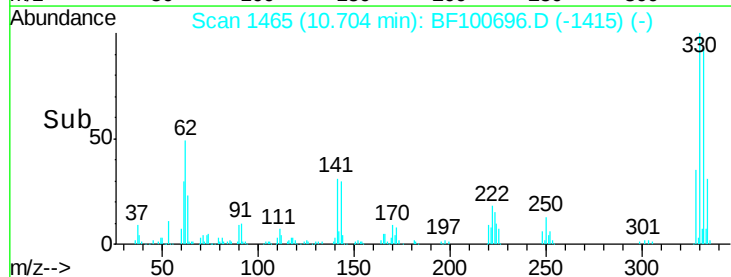
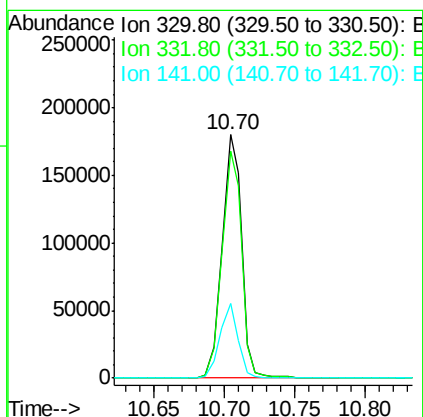
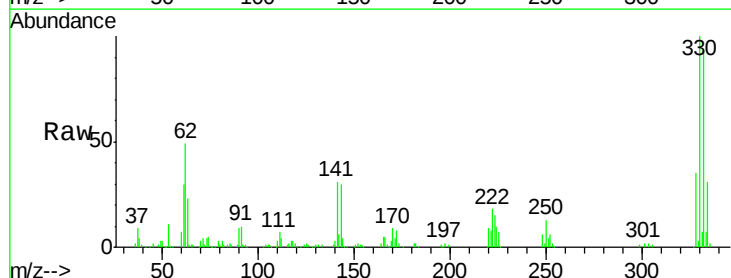
Instrument :
 BNA_F
 ClientSampleId :
 B8(0-10)COMP

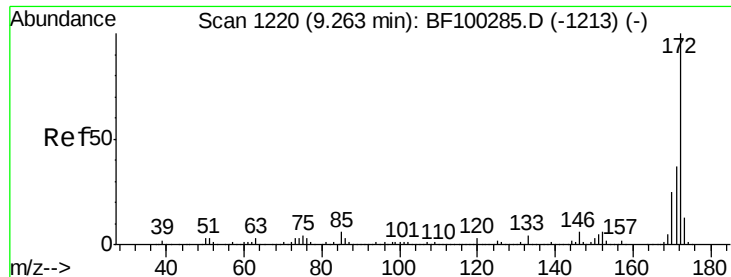
Tgt Ion:164 Resp: 183969
 Ion Ratio Lower Upper
 164 100
 162 105.5 86.1 129.1
 160 46.4 38.3 57.5



#41
 2,4,6-Tribromophenol
 Concen: 91.90 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.01 min
 Lab File: BF100696.D
 Acq: 18 Nov 2017 1:31

Tgt Ion:330 Resp: 172286
 Ion Ratio Lower Upper
 330 100
 332 94.8 77.0 115.6
 141 28.9 29.9 44.9#

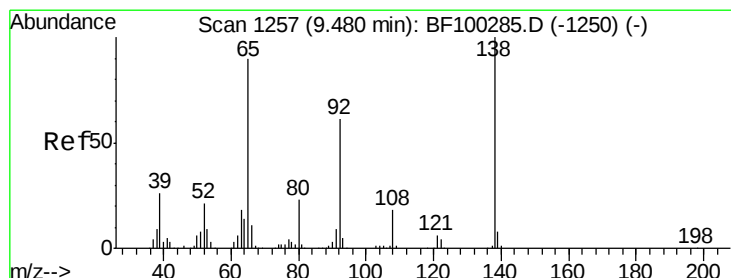
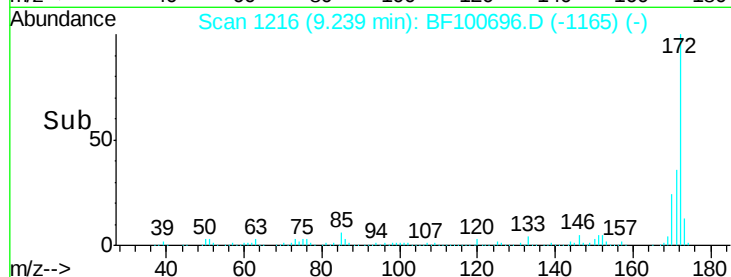
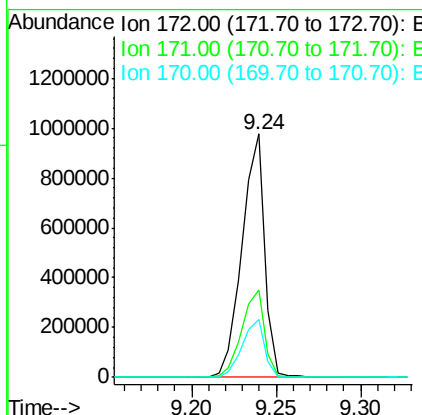
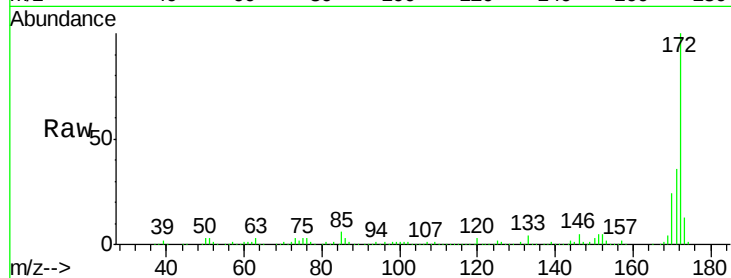




#44
 2-Fluorobiphenyl
 Concen: 75.49 ng
 RT: 9.24 min Scan# 1216
 Delta R.T. 0.00 min
 Lab File: BF100696.D
 Acq: 18 Nov 2017 1:31

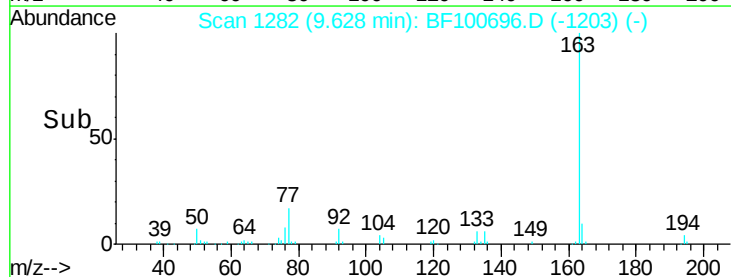
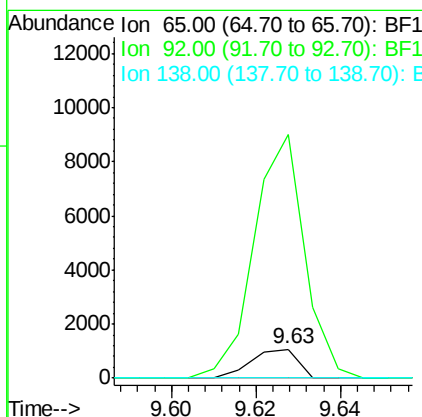
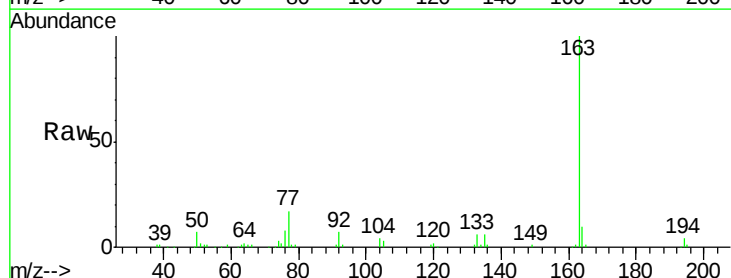
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 B8(0-10)COMP

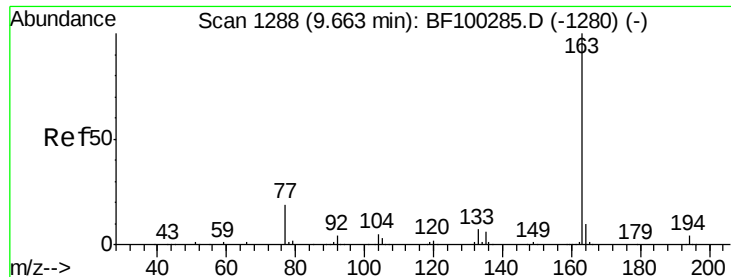
Tgt Ion: 172 Resp: 912032
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.7 44.5
 170 23.7 19.6 29.4



#47
 2-Nitroaniline
 Concen: 3.01 ng
 RT: 9.63 min Scan# 1282
 Delta R.T. 0.16 min
 Lab File: BF100696.D
 Acq: 18 Nov 2017 1:31

Tgt Ion: 65 Resp: 830
 Ion Ratio Lower Upper
 65 100
 92 835.8 55.8 83.6#
 138 0.0 91.2 136.8#

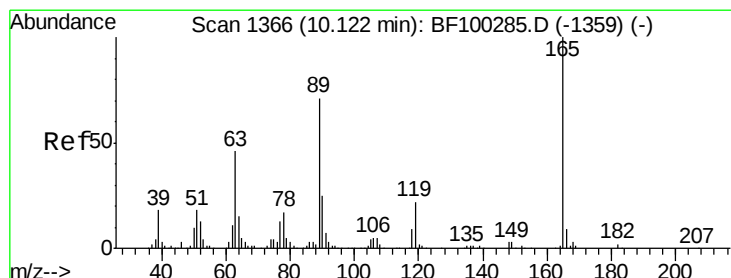
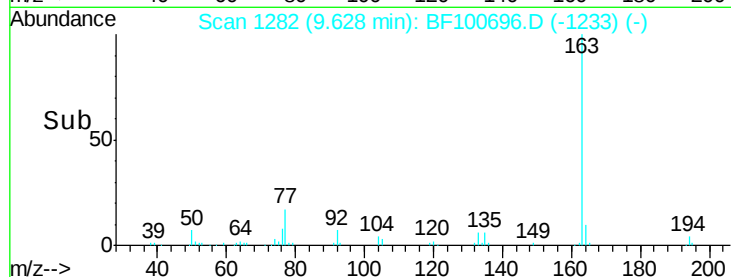
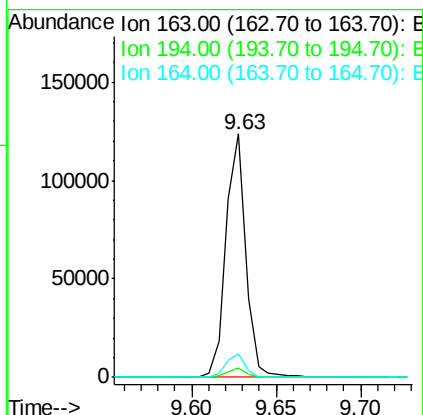
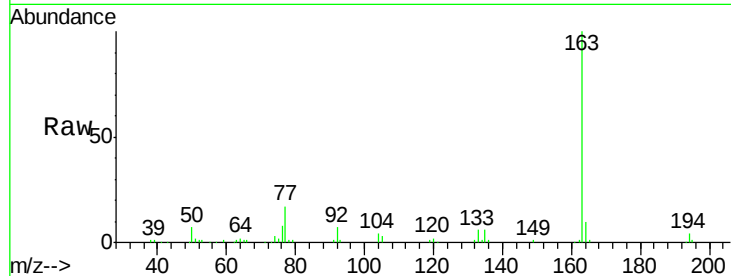




#49
Dimethylphthalate
Concen: 7.18 ng
RT: 9.63 min Scan# 1282
Delta R.T. -0.01 min
Lab File: BF100696.D
Acq: 18 Nov 2017 1:31

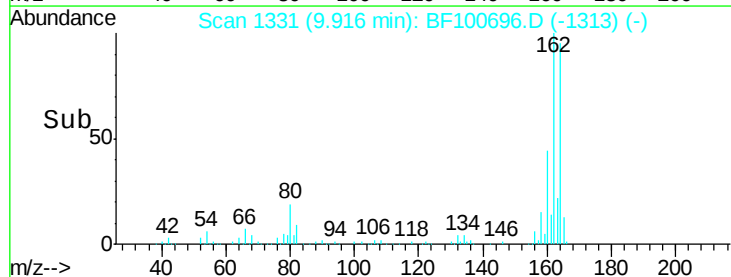
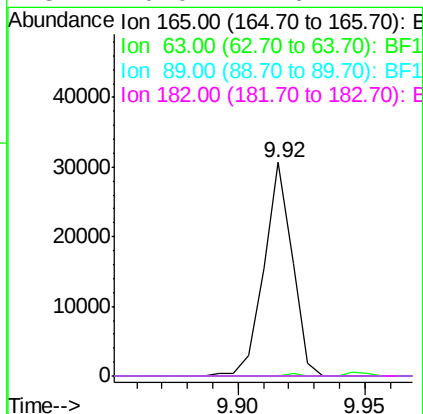
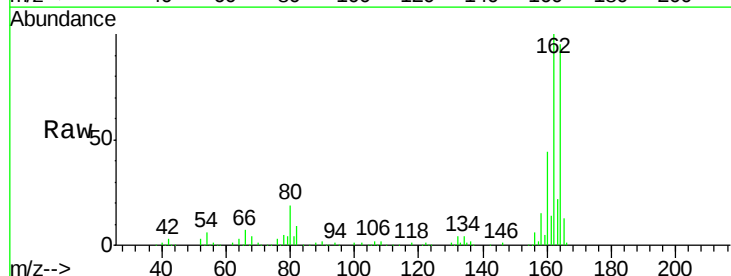
Instrument :
BNA_F
ClientSampleId :
B8(0-10)COMP

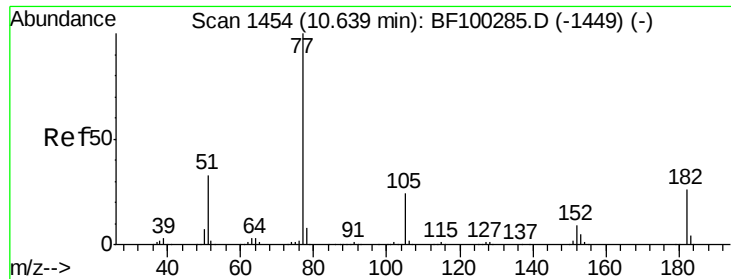
Tgt Ion:163 Resp: 100828
Ion Ratio Lower Upper
163 100
194 4.0 2.7 4.1
164 9.9 8.2 12.2



#56
2,4-Dinitrotoluene
Concen: 6.85 ng
RT: 9.92 min Scan# 1331
Delta R.T. -0.19 min
Lab File: BF100696.D
Acq: 18 Nov 2017 1:31

Tgt Ion:165 Resp: 24012
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#





#62

Azobenzene

Concen: 3.93 ng

RT: 10.63 min Scan# 1452

Delta R.T. 0.01 min

Lab File: BF100696.D

Acq: 18 Nov 2017 1:31

Instrument :

BNA_F

ClientSampleId :

B8(0-10)COMP

Tgt Ion: 77 Resp: 52091

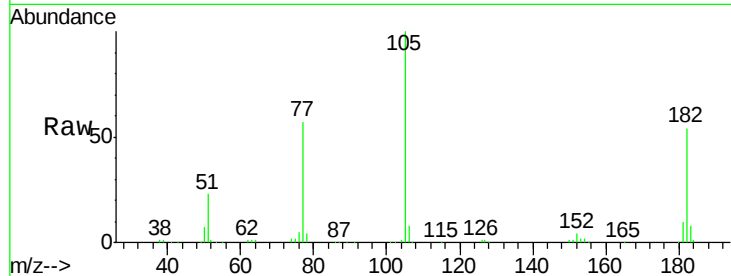
Ion Ratio Lower Upper

77 100

182 94.7 1.7 41.7#

105 175.4 3.0 43.0#

51 40.3 9.9 49.9

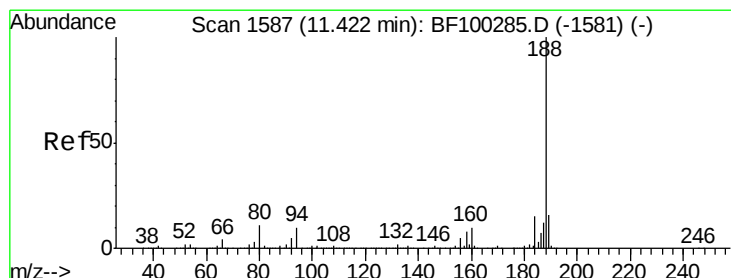
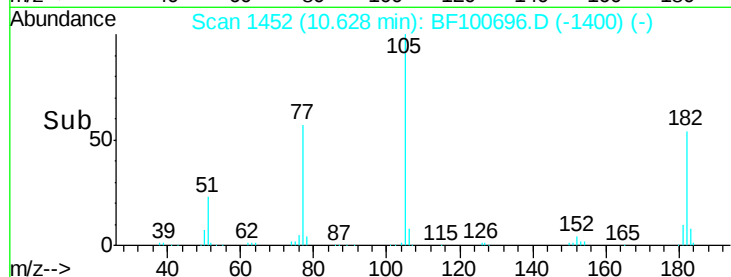
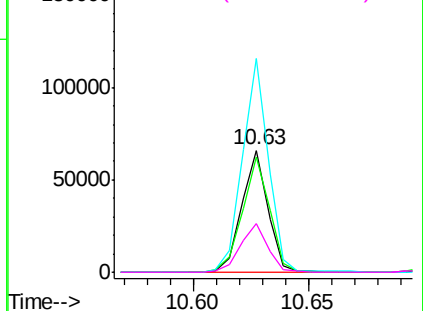


Abundance Ion 77.00 (76.70 to 77.70): BF1

Ion 182.00 (181.70 to 182.70): BF1

Ion 105.00 (104.70 to 105.70): BF1

Ion 51.00 (50.70 to 51.70): BF1



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.40 min Scan# 1584

Delta R.T. 0.00 min

Lab File: BF100696.D

Acq: 18 Nov 2017 1:31

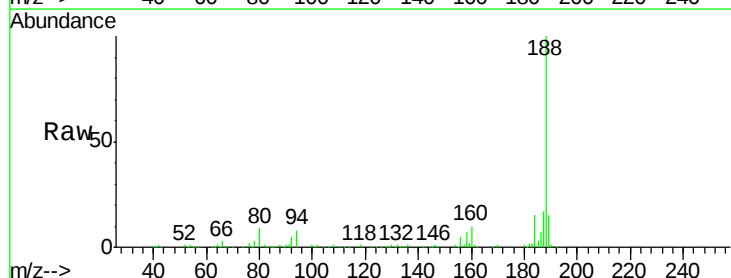
Tgt Ion: 188 Resp: 282184

Ion Ratio Lower Upper

188 100

94 8.5 8.5 12.7#

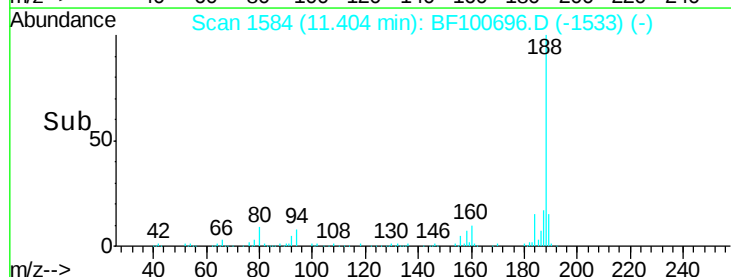
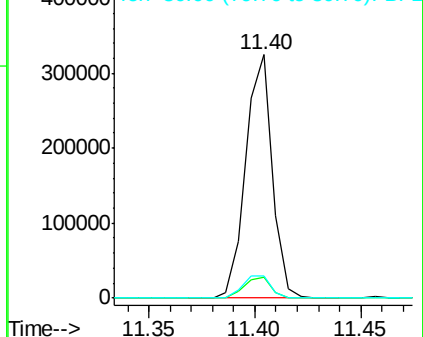
80 9.1 9.2 13.8#



Abundance Ion 188.00 (187.70 to 188.70): BF1

Ion 94.00 (93.70 to 94.70): BF1

Ion 80.00 (79.70 to 80.70): BF1

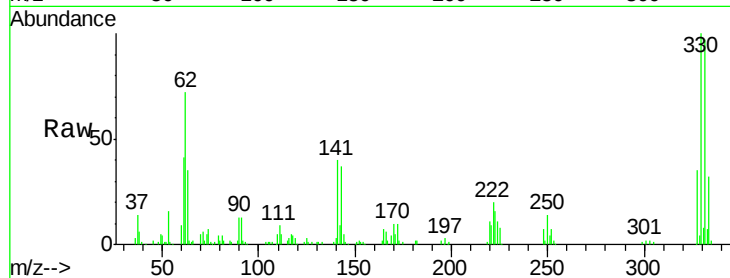




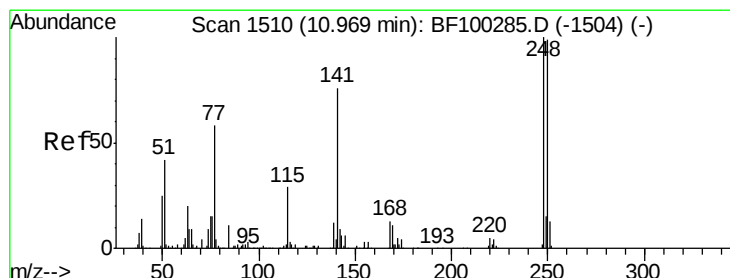
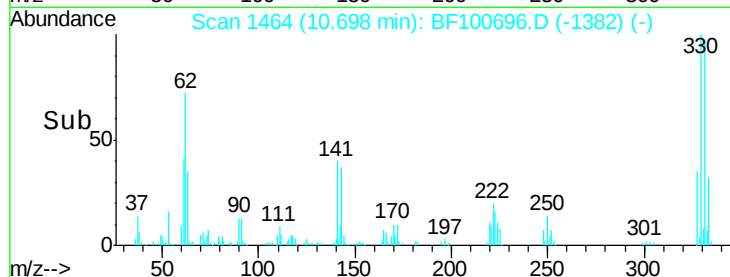
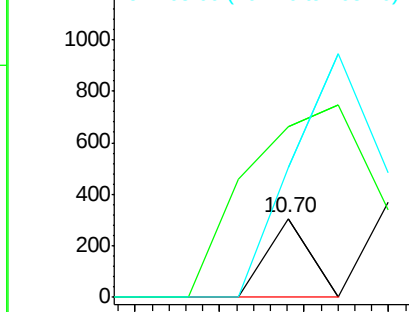
#64
 4,6-Dinitro-2-methylphenol
 Concen: 8.63 ng
 RT: 10.70 min Scan# 1464
 Delta R.T. 0.18 min
 Lab File: BF100696.D
 Acq: 18 Nov 2017 1:31

Instrument :
 BNA_F
 ClientSampleId :
 B8(0-10)COMP

Tgt Ion:198 Resp: 108
 Ion Ratio Lower Upper
 198 100
 51 216.4 37.7 77.7#
 105 165.2 36.3 76.3#

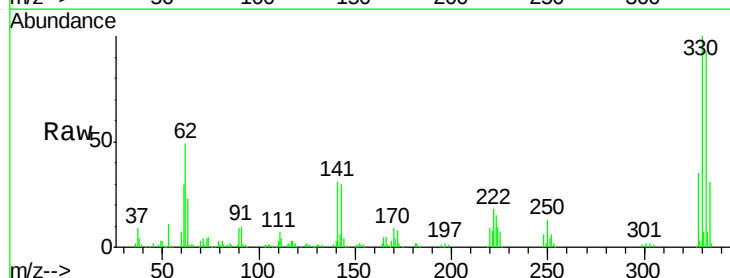


Abundance Ion 198.00 (197.70 to 198.70): E
 Ion 51.00 (50.70 to 51.70): BF1
 Ion 105.00 (104.70 to 105.70): E

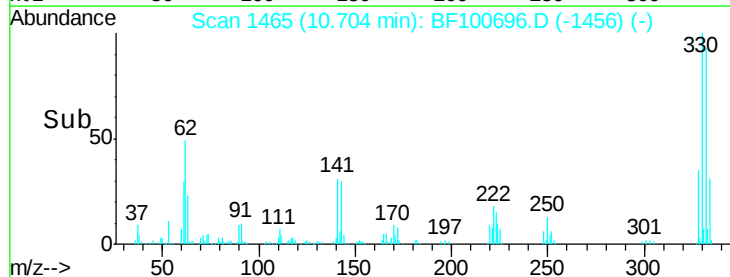
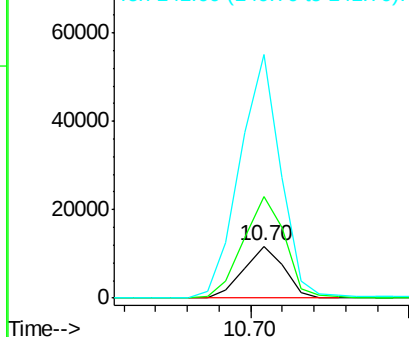


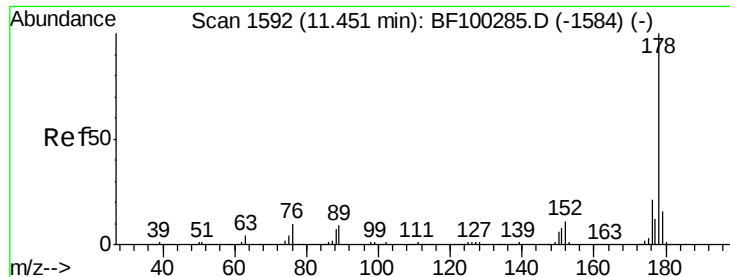
#66
 4-Bromophenyl-phenylether
 Concen: 3.36 ng
 RT: 10.70 min Scan# 1465
 Delta R.T. -0.25 min
 Lab File: BF100696.D
 Acq: 18 Nov 2017 1:31

Tgt Ion:248 Resp: 10178
 Ion Ratio Lower Upper
 248 100
 250 197.1 76.9 115.3#
 141 470.9 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

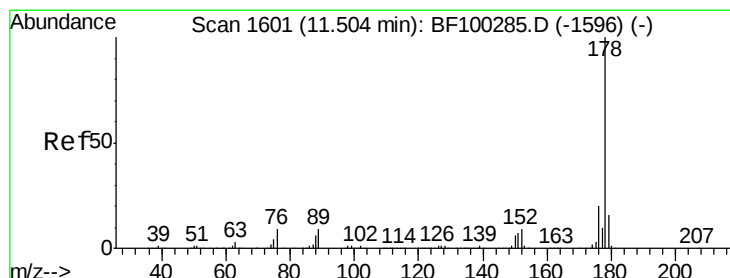
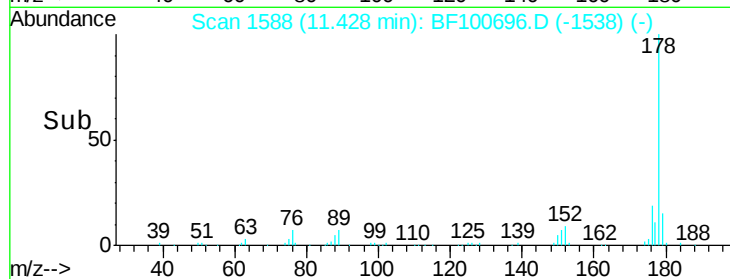
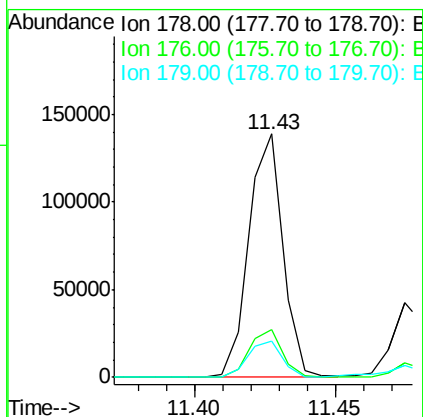
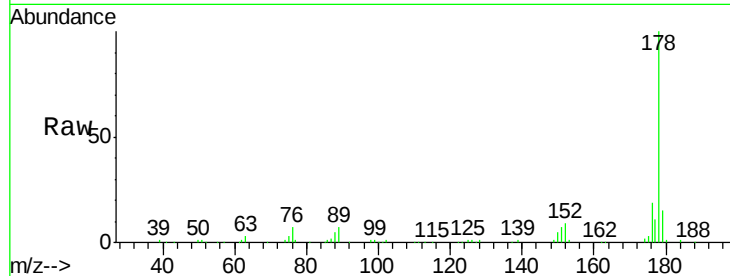




#70
Phenanthrene
Concen: 7.83 ng
RT: 11.43 min Scan# 1588
Delta R.T. -0.01 min
Lab File: BF100696.D
Acq: 18 Nov 2017 1:31

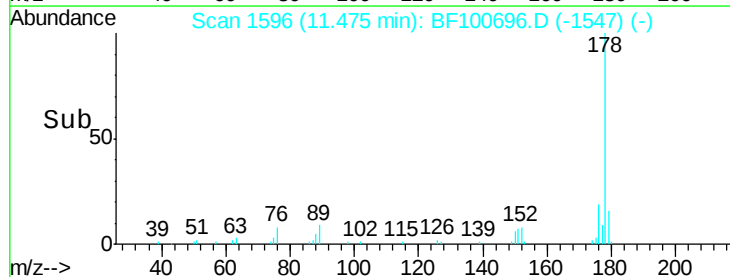
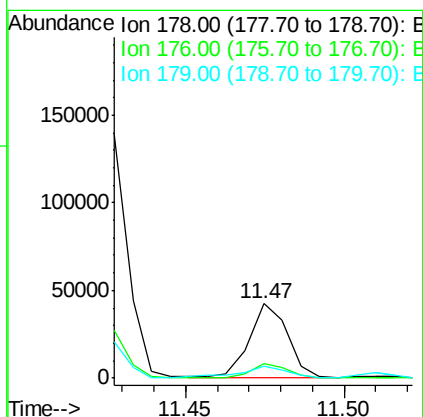
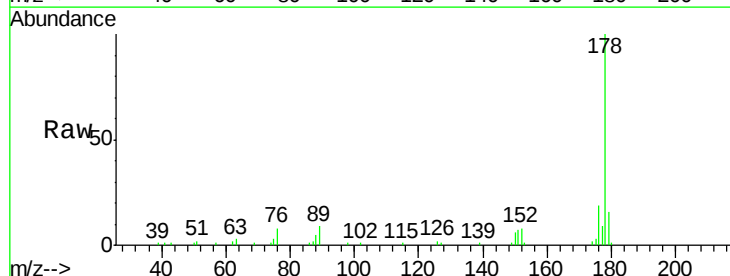
Instrument :
BNA_F
ClientSampleId :
B8(0-10)COMP

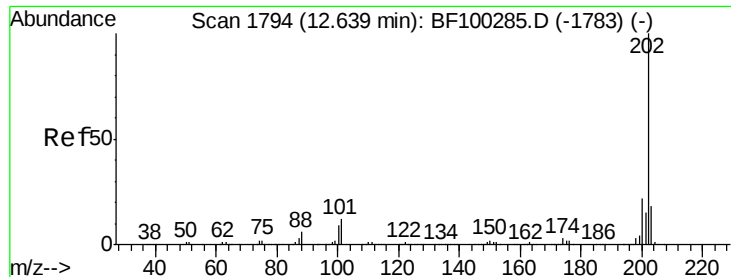
Tgt Ion:178 Resp: 116349
Ion Ratio Lower Upper
178 100
176 19.5 15.8 23.8
179 14.9 13.0 19.6



#71
Anthracene
Concen: 2.35 ng
RT: 11.47 min Scan# 1596
Delta R.T. -0.01 min
Lab File: BF100696.D
Acq: 18 Nov 2017 1:31

Tgt Ion:178 Resp: 35403
Ion Ratio Lower Upper
178 100
176 18.8 15.4 23.2
179 16.1 12.6 19.0





#74

Fluoranthene

Concen: 12.23 ng

RT: 12.62 min Scan# 1790

Delta R.T. -0.01 min

Lab File: BF100696.D

Acq: 18 Nov 2017 1:31

Instrument :

BNA_F

ClientSampleId :

B8(0-10)COMP

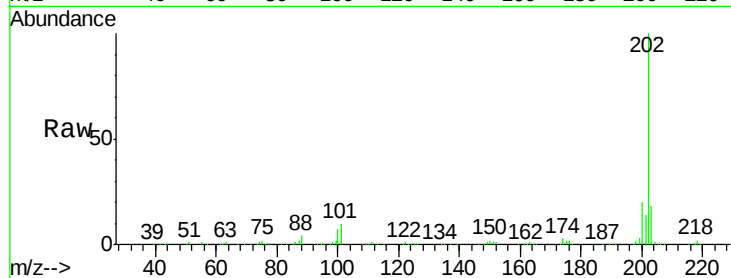
Tgt Ion: 202 Resp: 192569

Ion Ratio Lower Upper

202 100

101 10.1 0.0 34.1

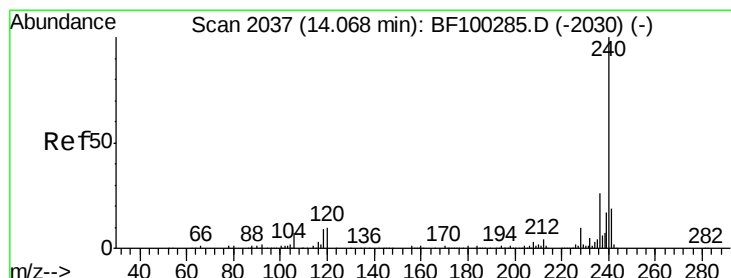
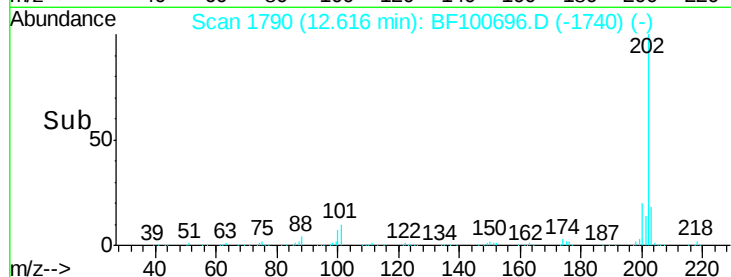
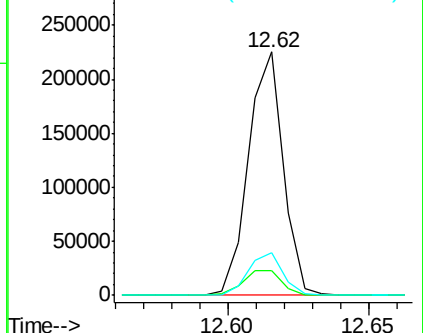
203 17.6 0.0 38.1



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# 2032

Delta R.T. -0.01 min

Lab File: BF100696.D

Acq: 18 Nov 2017 1:31

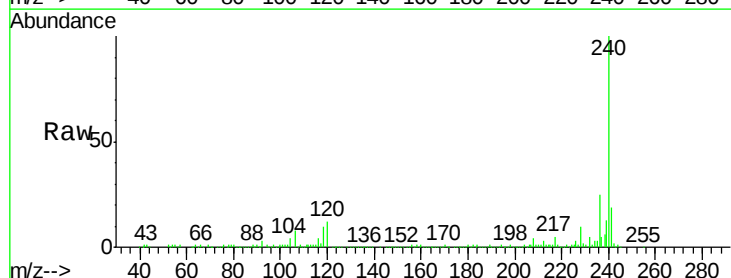
Tgt Ion: 240 Resp: 235088

Ion Ratio Lower Upper

240 100

120 11.5 9.5 14.3

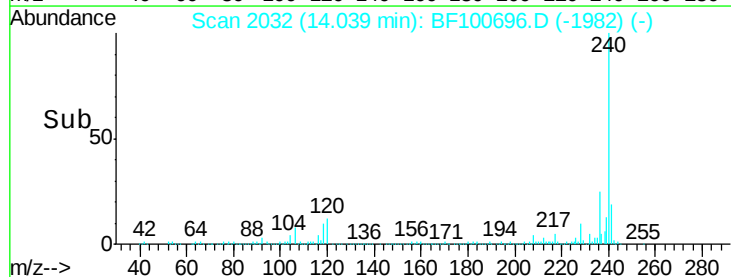
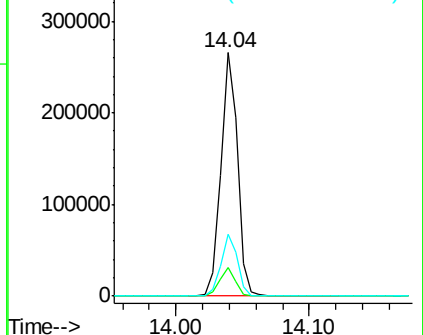
236 25.3 20.7 31.1

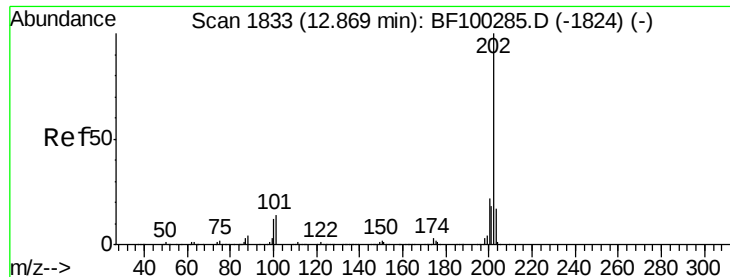


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 9.77 ng

RT: 12.85 min Scan# 1829

Delta R.T. -0.01 min

Lab File: BF100696.D

Acq: 18 Nov 2017 1:31

Instrument :

BNA_F

ClientSampleId :

B8(0-10)COMP

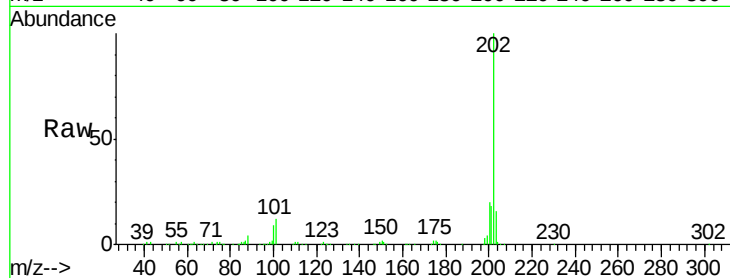
Tgt Ion:202 Resp: 163740

Ion Ratio Lower Upper

202 100

200 20.3 17.4 26.2

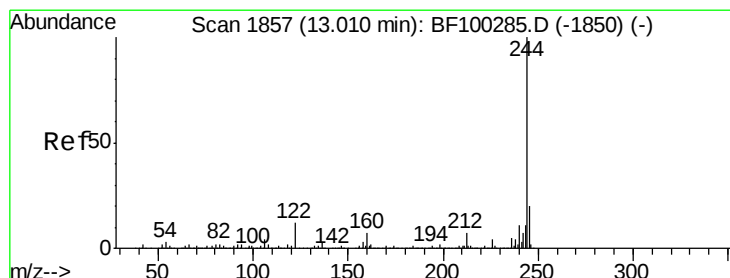
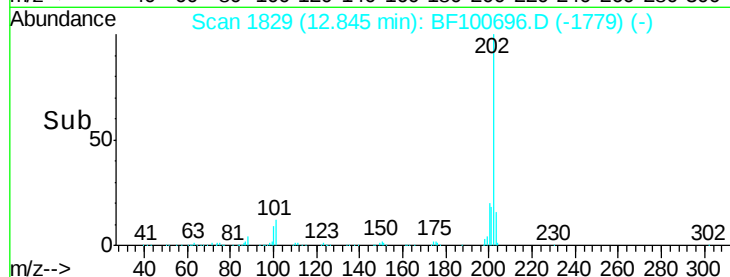
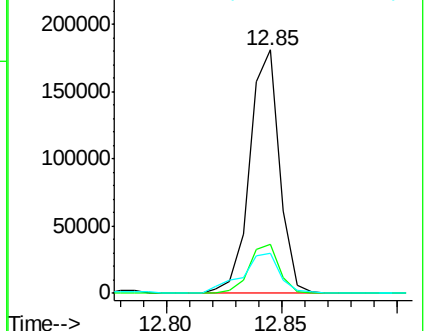
203 16.4 14.3 21.5



Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



#78

Terphenyl-d14

Concen: 57.05 ng

RT: 12.99 min Scan# 1853

Delta R.T. 0.00 min

Lab File: BF100696.D

Acq: 18 Nov 2017 1:31

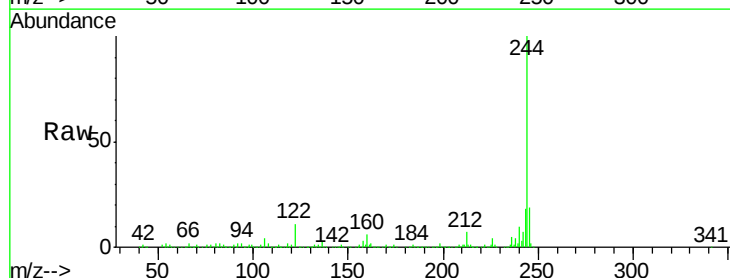
Tgt Ion:244 Resp: 583726

Ion Ratio Lower Upper

244 100

212 6.7 5.4 8.0

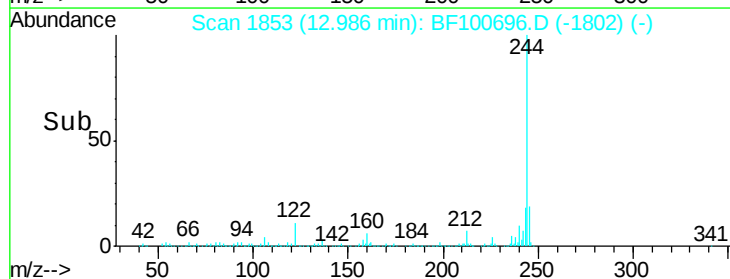
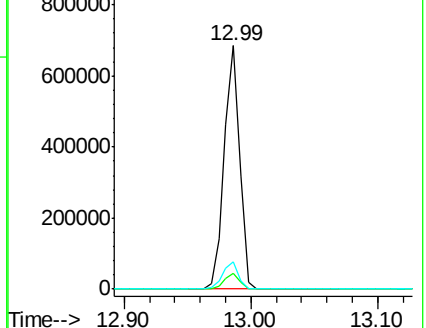
122 11.1 11.0 16.4

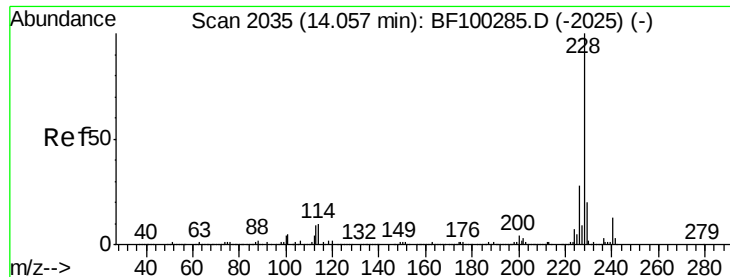


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 7.63 ng

RT: 14.03 min Scan# 2030

Delta R.T. -0.01 min

Lab File: BF100696.D

Acq: 18 Nov 2017 1:31

Instrument :

BNA_F

ClientSampleId :

B8(0-10)COMP

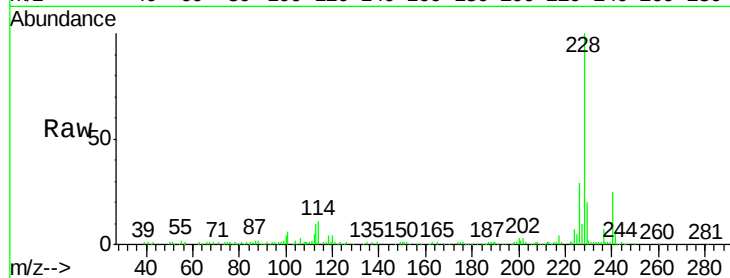
Tgt Ion:228 Resp: 108032

Ion Ratio Lower Upper

228 100

226 29.2 22.6 33.8

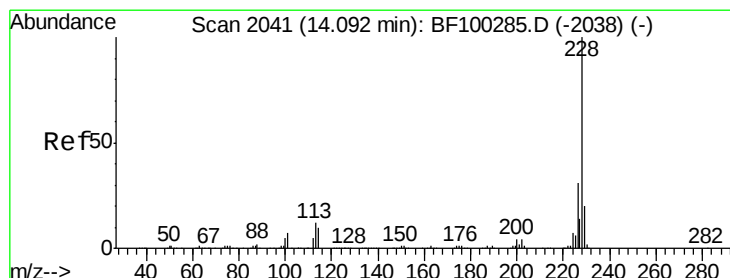
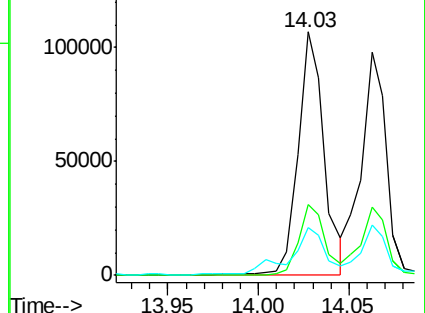
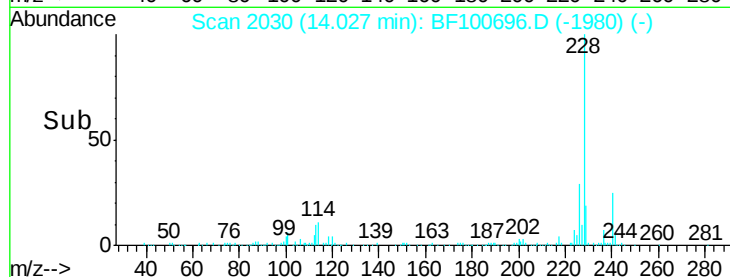
229 19.7 15.8 23.6



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: 6.99 ng

RT: 14.06 min Scan# 2036

Delta R.T. -0.01 min

Lab File: BF100696.D

Acq: 18 Nov 2017 1:31

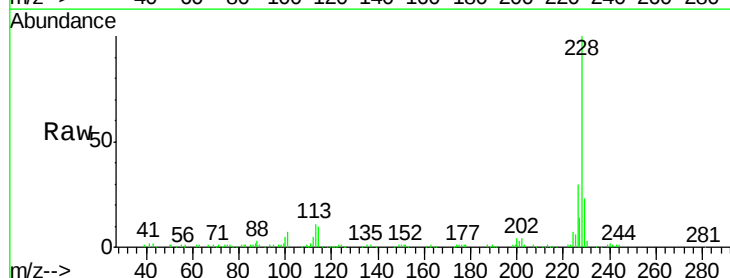
Tgt Ion:228 Resp: 95857

Ion Ratio Lower Upper

228 100

226 30.4 25.0 37.6

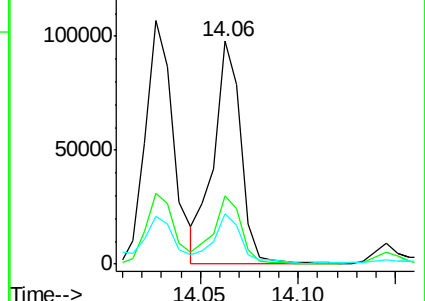
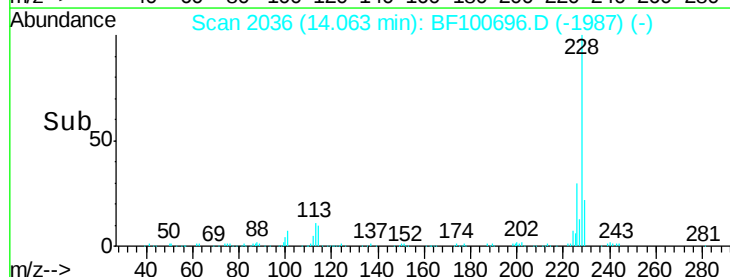
229 22.8 16.2 24.4

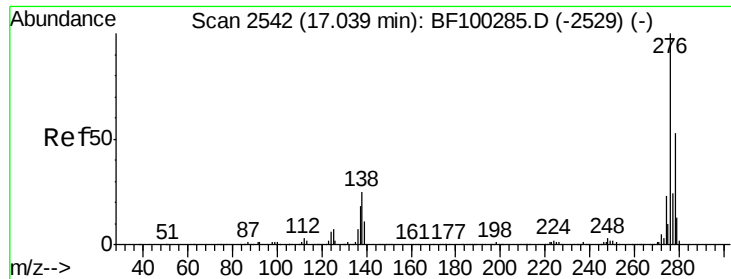


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

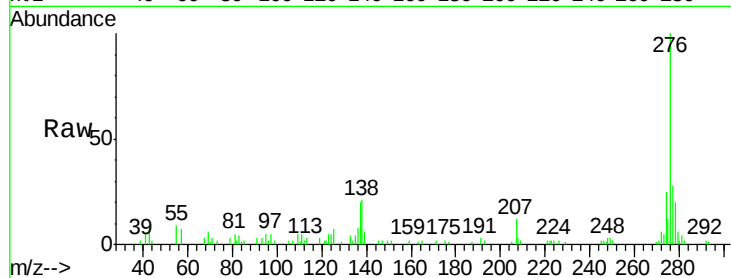




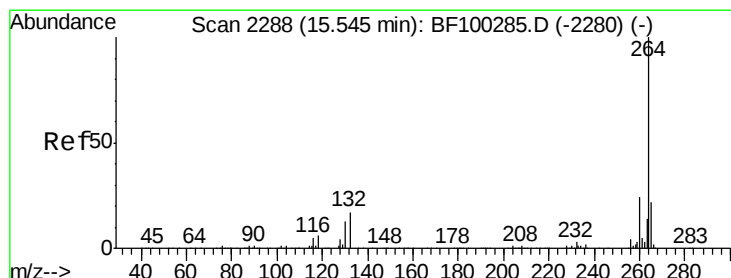
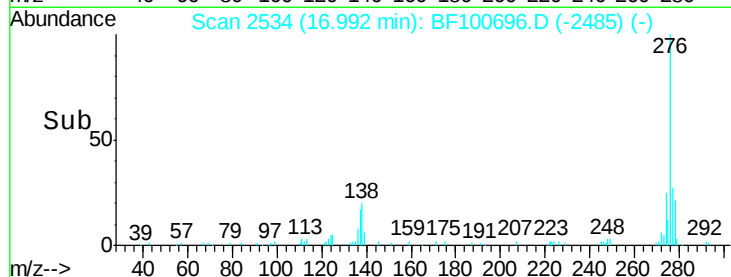
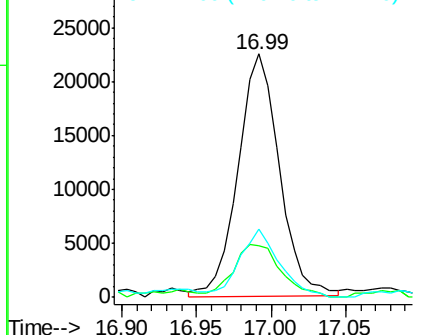
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.91 ng
 RT: 16.99 min Scan# 2534
 Delta R.T. -0.01 min
 Lab File: BF100696.D
 Acq: 18 Nov 2017 1:31

Instrument :
 BNA_F
 ClientSampleId :
 B8(0-10)COMP

Tgt Ion	Ratio	Lower	Upper
276	100		
138	25.3	25.0	37.6
277	27.2	20.1	30.1

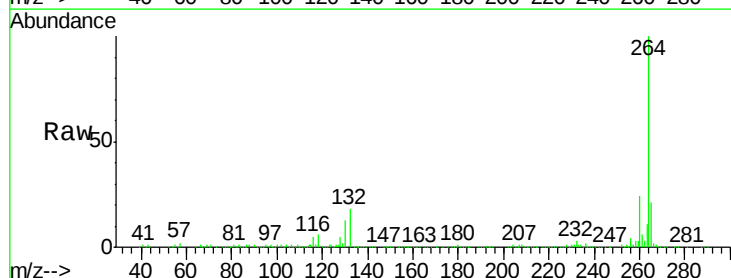


Abundance Ion 276.00 (275.70 to 276.70): E
 Ion 138.00 (137.70 to 138.70): E
 Ion 277.00 (276.70 to 277.70): E

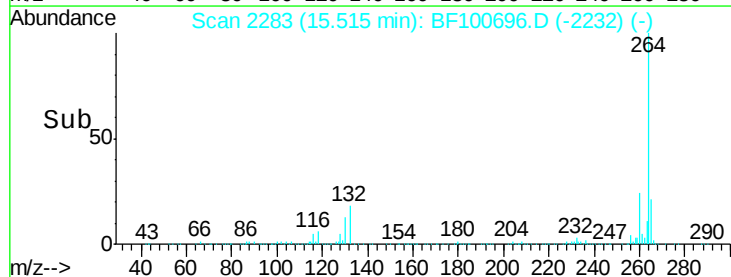
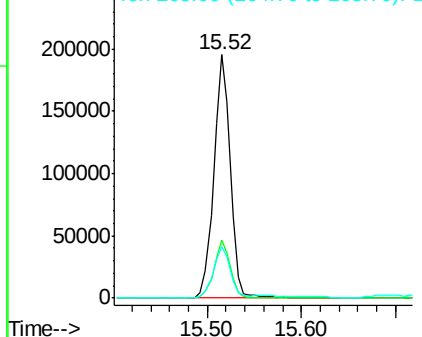


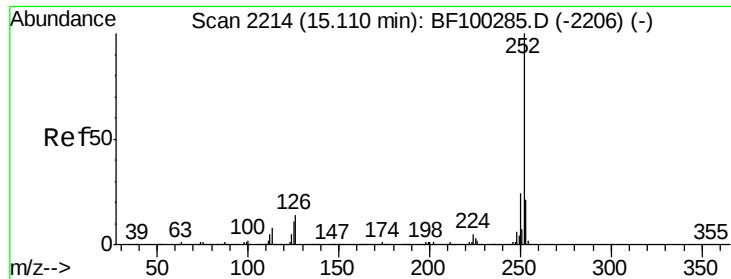
#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.52 min Scan# 2283
 Delta R.T. 0.00 min
 Lab File: BF100696.D
 Acq: 18 Nov 2017 1:31

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.0	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

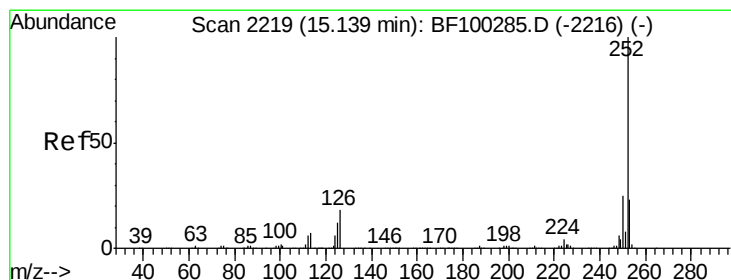
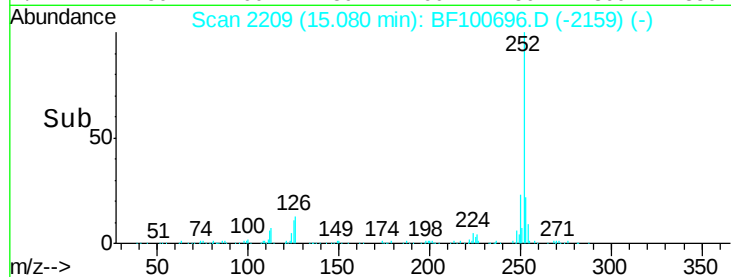
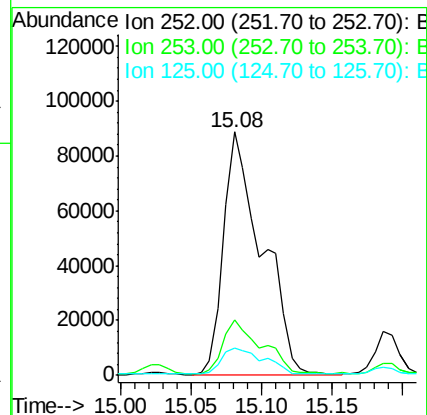
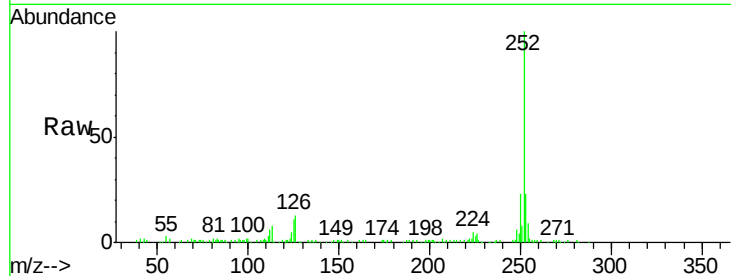




#87
Benzo(b)fluoranthene
Concen: 11.88 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.01 min
Lab File: BF100696.D
Acq: 18 Nov 2017 1:31

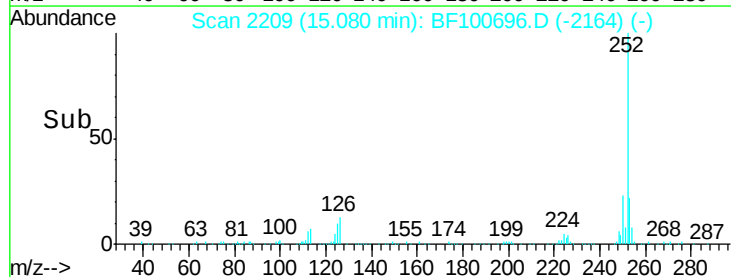
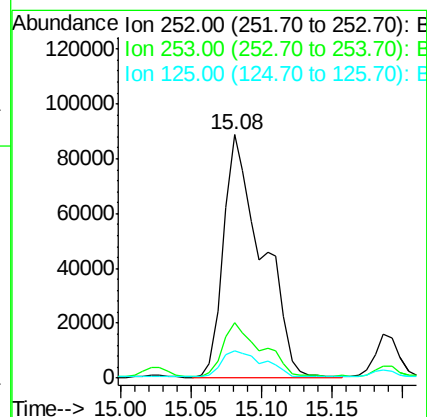
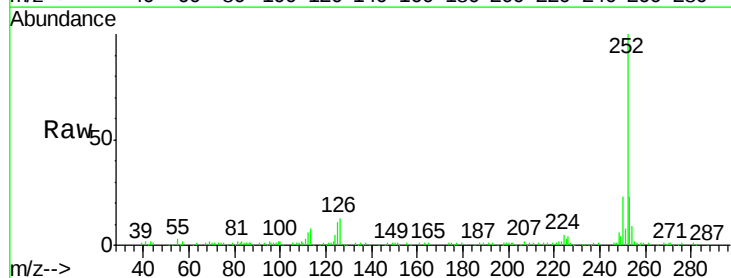
Instrument :
BNA_F
ClientSampleId :
B8(0-10)COMP

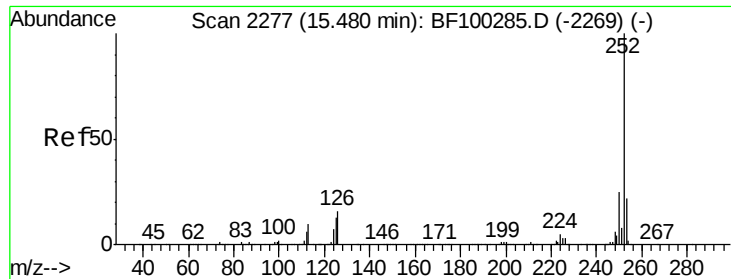
Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.0	25.6
125	11.1	9.0	13.6



#88
Benzo(k)fluoranthene
Concen: 12.58 ng
RT: 15.08 min Scan# 2209
Delta R.T. -0.04 min
Lab File: BF100696.D
Acq: 18 Nov 2017 1:31

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.6	17.9	26.9
125	11.1	10.2	15.2





#89

Benzo(a)pyrene

Concen: 6.47 ng

RT: 15.45 min Scan# 2272

Delta R.T. -0.01 min

Lab File: BF100696.D

Acq: 18 Nov 2017 1:31

Instrument :

BNA_F

ClientSampleId :

B8(0-10)COMP

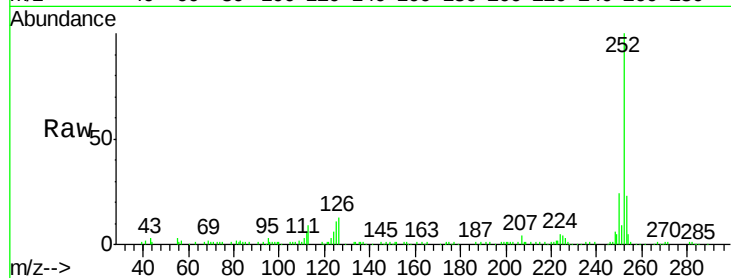
Tgt Ion:252 Resp: 82292

Ion Ratio Lower Upper

252 100

253 23.4 17.1 25.7

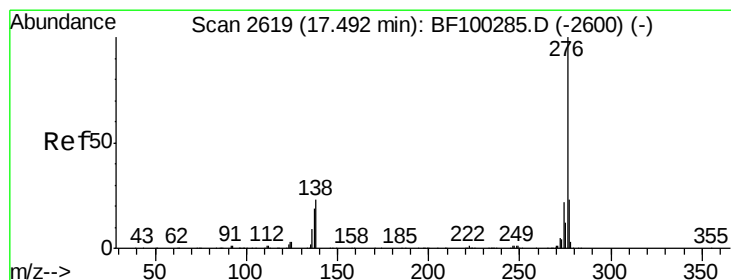
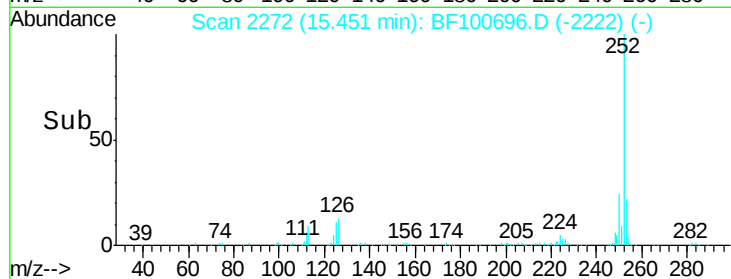
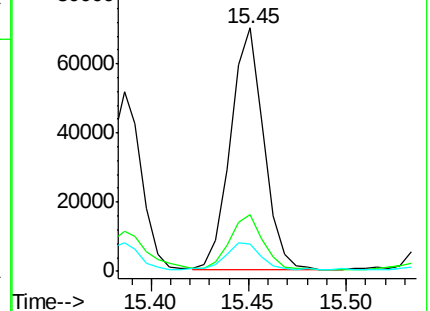
125 11.2 9.8 14.6



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: 3.98 ng

RT: 17.44 min Scan# 2610

Delta R.T. -0.02 min

Lab File: BF100696.D

Acq: 18 Nov 2017 1:31

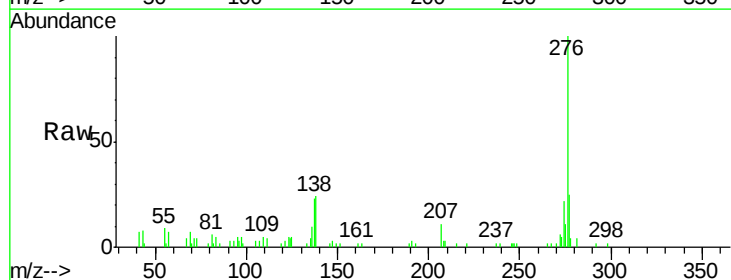
Tgt Ion:276 Resp: 40556

Ion Ratio Lower Upper

276 100

277 25.3 17.9 26.9

138 23.9 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

