

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101716\
 Data File : BF090623.D
 Acq On : 17 Oct 2016 22:25
 Operator : UM/SJ
 Sample : H5228-02 5X
 Misc :
 ALS Vial : 22 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 6

Quant Time: Oct 18 01:16:52 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 17 19:19:58 2016
 Response via : Initial Calibration

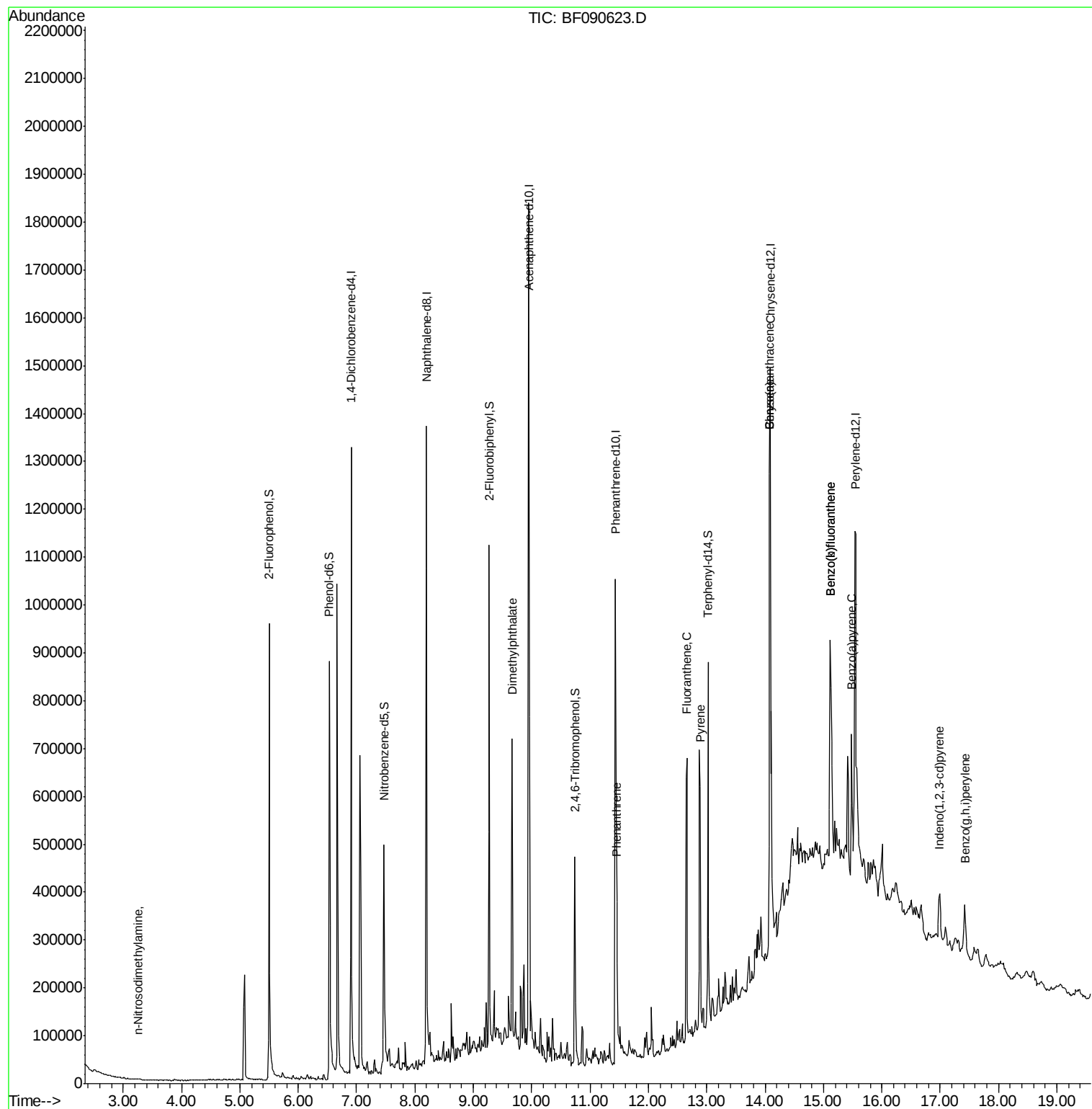
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.91	152	216621	20.00	ng	0.00
21) Naphthalene-d8	8.20	136	866622	20.00	ng	0.00
38) Acenaphthene-d10	9.95	164	402560	20.00	ng	-0.01
63) Phenanthrene-d10	11.43	188	513969	20.00	ng	-0.01
75) Chrysene-d12	14.09	240	528262	20.00	ng	0.00
86) Perylene-d12	15.55	264	411327	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	288811	24.44	ng	-0.01
7) Phenol-d6	6.53	99	390640	22.25	ng	-0.01
23) Nitrobenzene-d5	7.47	82	238416	15.28	ng	-0.01
41) 2,4,6-Tribromophenol	10.74	330	58549	16.31	ng	-0.01
44) 2-Fluorobiphenyl	9.27	172	377328	15.44	ng	0.00
78) Terphenyl-d14	13.02	244	273676	12.06	ng	-0.01
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	3.25	42	213	7.20	ng	# 1
49) Dimethylphthalate	9.66	163	123441	4.73	ng	# 97
70) Phenanthrene	11.46	178	146512	5.34	ng	97
74) Fluoranthene	12.66	202	387225	14.03	ng	95
77) Pyrene	12.89	202	365822	10.46	ng	97
80) Benzo(a)anthracene	14.08	228	200312	6.66	ng	95
82) Chrysene	14.08	228	200312	6.91	ng	97
85) Indeno(1,2,3-cd)pyrene	16.99	276	84426	5.04	ng	97
87) Benzo(b)fluoranthene	15.12	252	362296	13.46	ng	95
88) Benzo(k)fluoranthene	15.12	252	362296	12.51	ng	# 93
89) Benzo(a)pyrene	15.48	252	160991	6.53	ng	99
91) Benzo(g,h,i)perylene	17.42	276	79602	4.44	ng	97

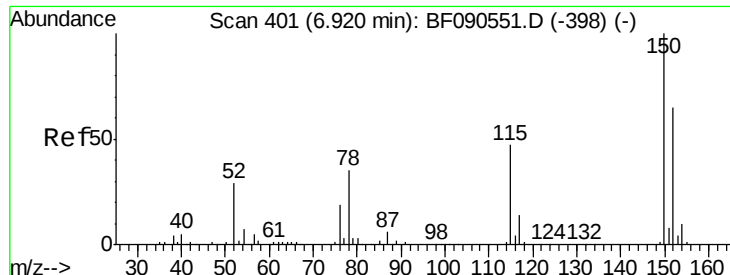
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: Oct 18 01:16:52 2016
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF101316.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Oct 17 19:19:58 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.91 min Scan# 400

Delta R.T. -0.00 min

Lab File: BF090623.D

Acq: 17 Oct 2016 22:25

Instrument :

BNA_F

ClientSampleId :

6

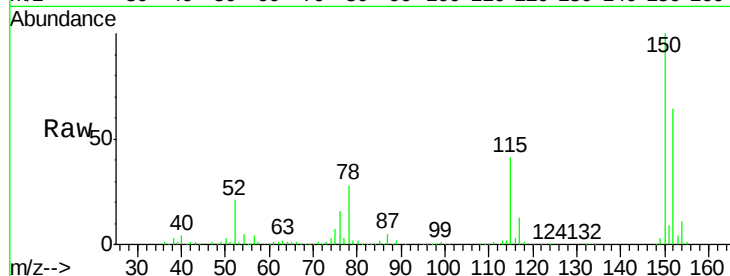
Tgt Ion:152 Resp: 216621

Ion Ratio Lower Upper

152 100

150 155.4 127.2 190.8

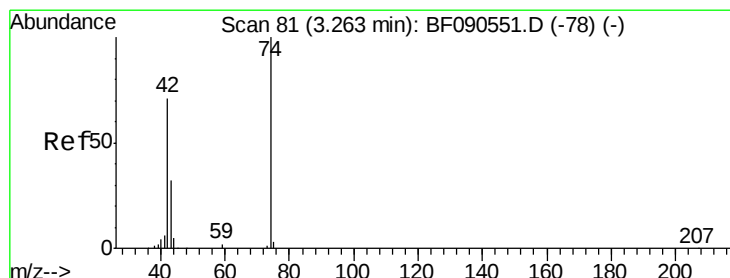
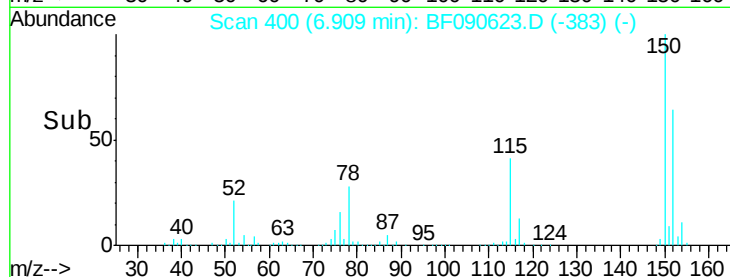
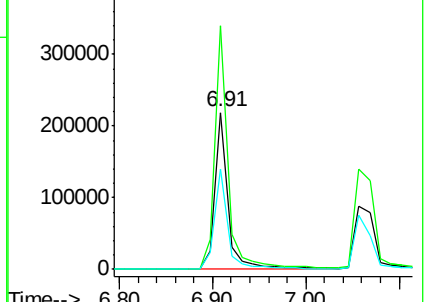
115 63.8 58.6 88.0



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



#4

n-Nitrosodimethylamine

Concen: 7.20 ng

RT: 3.25 min Scan# 80

Delta R.T. 0.02 min

Lab File: BF090623.D

Acq: 17 Oct 2016 22:25

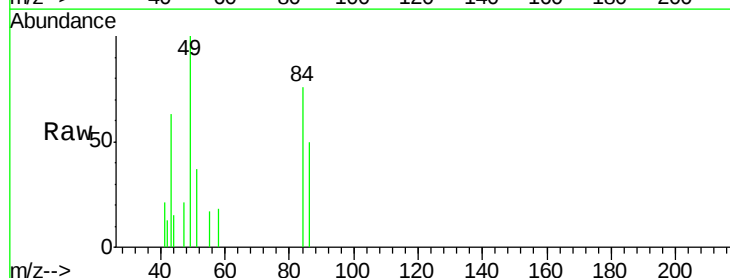
Tgt Ion: 42 Resp: 213

Ion Ratio Lower Upper

42 100

74 0.0 113.3 169.9#

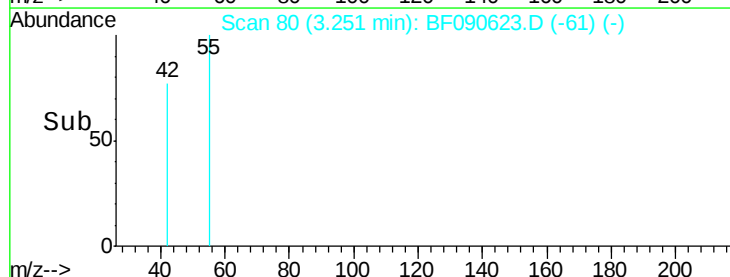
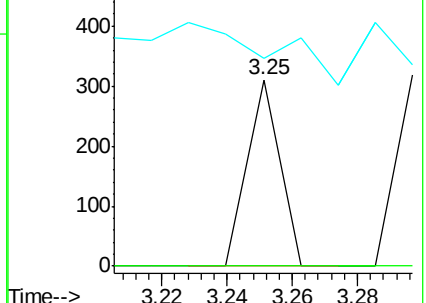
44 111.6 6.0 9.0#

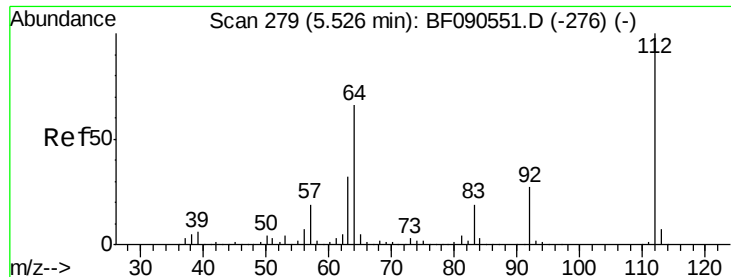


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 24.44 ng

RT: 5.50 min Scan# 277

Delta R.T. -0.01 min

Lab File: BF090623.D

Acq: 17 Oct 2016 22:25

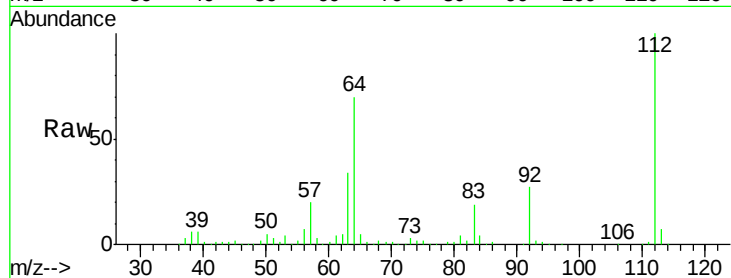
Instrument :

BNA_F

ClientSampleId :

6

Tgt Ion:	112	Resp:	288811
Ion	Ratio	Lower	Upper
112	100		
64	70.2	52.6	78.8
63	33.9	26.0	39.0

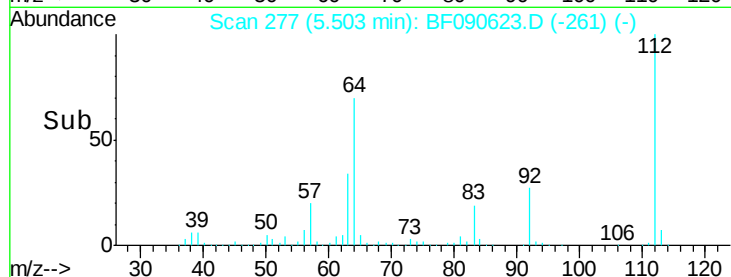


Abundance Ion 112.00 (111.70 to 112.70): B

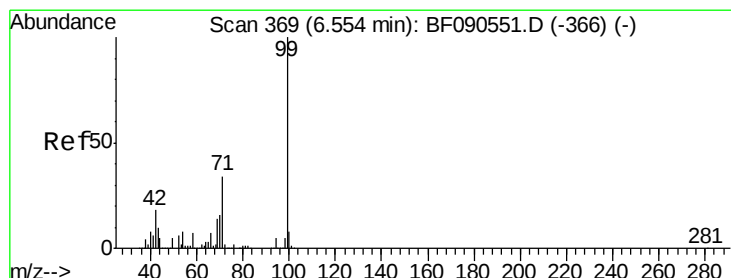
Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0

Time-->



Time-->



#7

Phenol-d6

Concen: 22.25 ng

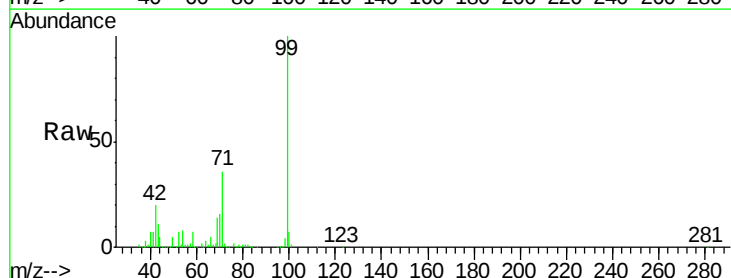
RT: 6.53 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF090623.D

Acq: 17 Oct 2016 22:25

Tgt Ion:	99	Resp:	390640
Ion	Ratio	Lower	Upper
99	100		
42	19.6	14.7	22.1
71	36.3	27.6	41.4

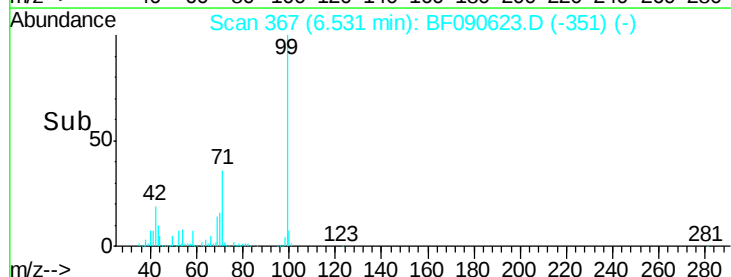


Abundance Ion 99.00 (98.70 to 99.70): BF0

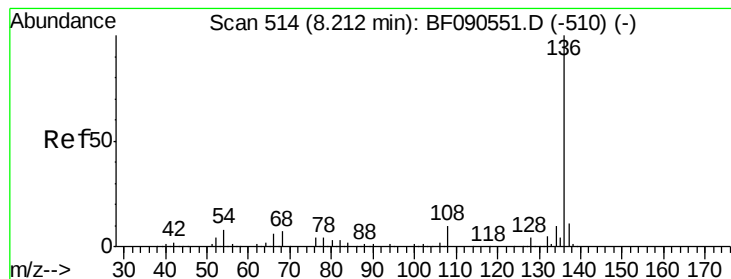
Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0

Time-->



Time-->



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.20 min Scan# 513

Delta R.T. -0.00 min

Lab File: BF090623.D

Acq: 17 Oct 2016 22:25

Instrument :

BNA_F

ClientSampled :

6

Tgt Ion:136 Resp: 866622

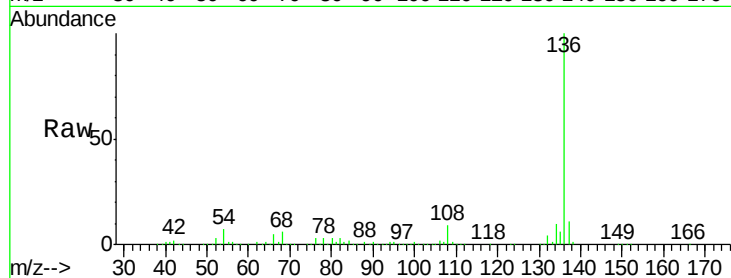
Ion Ratio Lower Upper

136 100

137 10.9 8.8 13.2

54 7.0 6.8 10.2

68 6.3 6.0 9.0

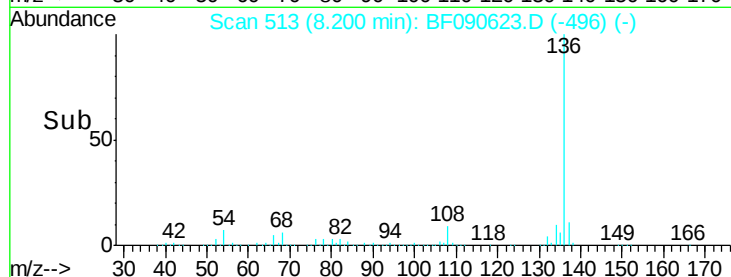


Abundance Ion 136.00 (135.70 to 136.70): E

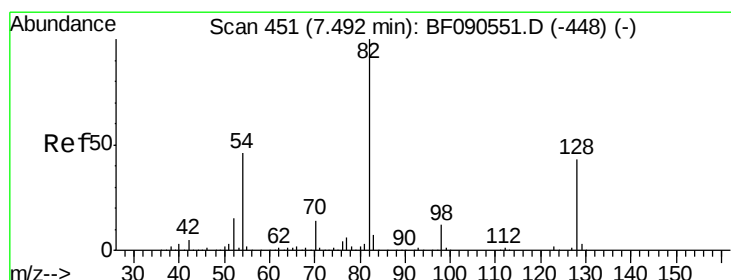
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#23

Nitrobenzene-d5

Concen: 15.28 ng

RT: 7.47 min Scan# 449

Delta R.T. -0.01 min

Lab File: BF090623.D

Acq: 17 Oct 2016 22:25

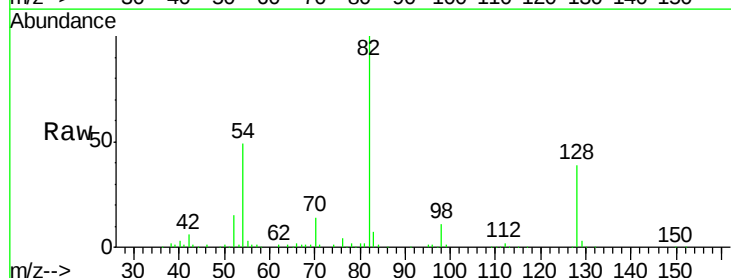
Tgt Ion: 82 Resp: 238416

Ion Ratio Lower Upper

82 100

128 38.8 34.3 51.5

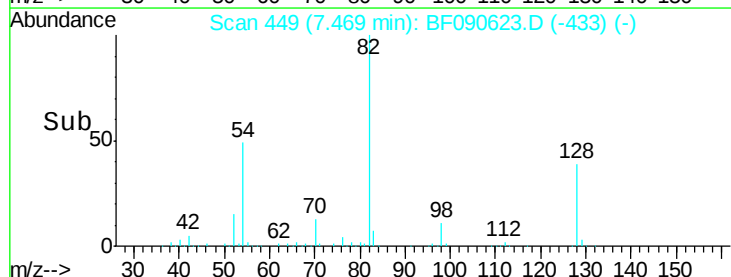
54 49.0 37.0 55.6



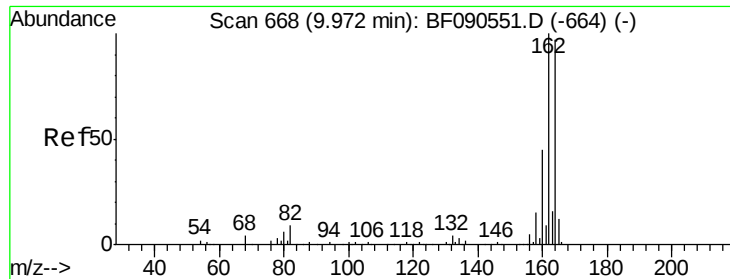
Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



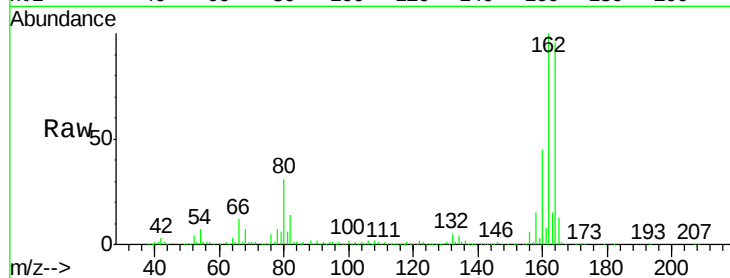
Time-->



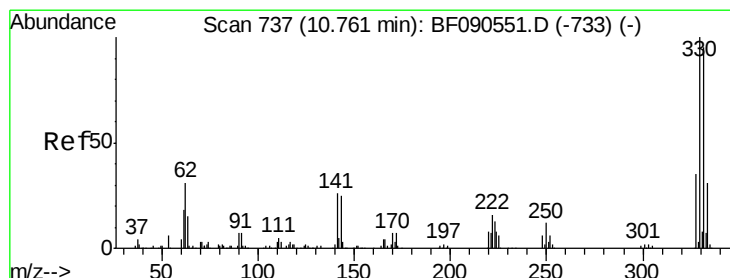
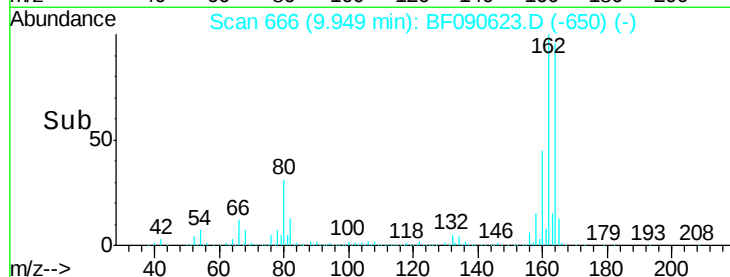
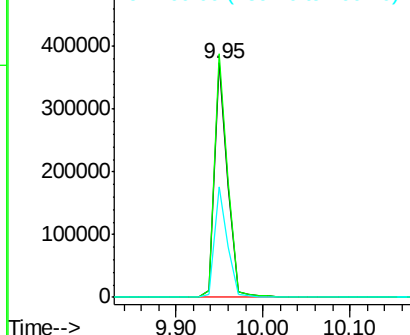
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.95 min Scan# 666
Delta R.T. -0.01 min
Lab File: BF090623.D
Acq: 17 Oct 2016 22:25

Instrument :
BNA_F
ClientSampleId :
6

Tgt Ion:164 Resp: 402560
Ion Ratio Lower Upper
164 100
162 103.9 82.2 123.4
160 47.3 36.6 55.0

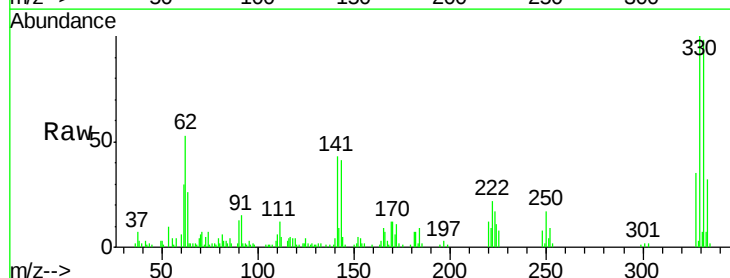


Abundance Ion 164.00 (163.70 to 164.70): E
Ion 162.00 (161.70 to 162.70): E
Ion 160.00 (159.70 to 160.70): E

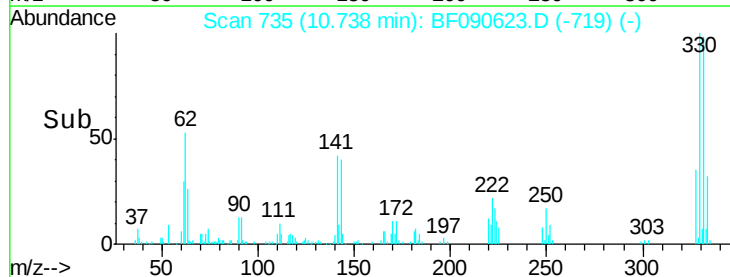
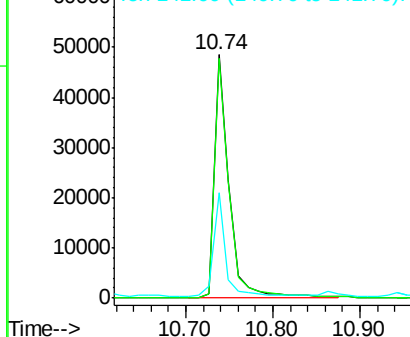


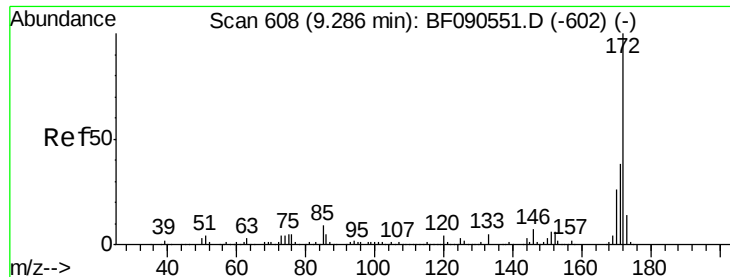
#41
2,4,6-Tribromophenol
Concen: 16.31 ng
RT: 10.74 min Scan# 735
Delta R.T. -0.01 min
Lab File: BF090623.D
Acq: 17 Oct 2016 22:25

Tgt Ion:330 Resp: 58549
Ion Ratio Lower Upper
330 100
332 98.9 76.2 114.2
141 35.0 31.4 47.2



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

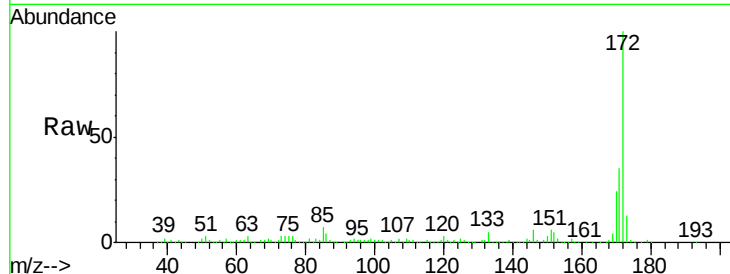




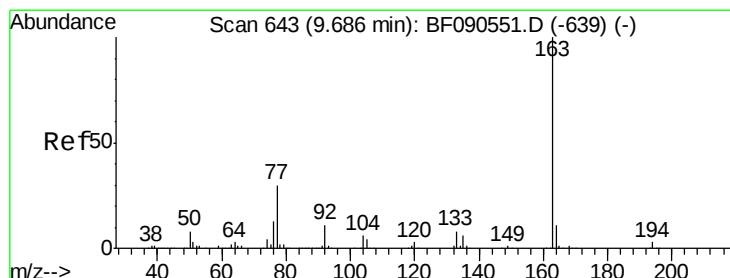
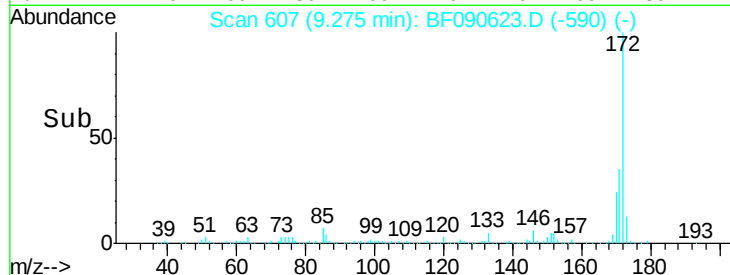
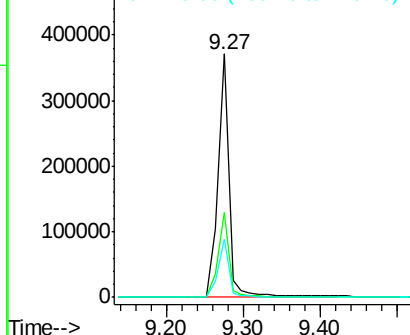
#44
2-Fluorobiphenyl
Concen: 15.44 ng
RT: 9.27 min Scan# 607
Delta R.T. -0.00 min
Lab File: BF090623.D
Acq: 17 Oct 2016 22:25

Instrument :
BNA_F
ClientSampleId :
6

Tgt Ion:172 Resp: 377328
Ion Ratio Lower Upper
172 100
171 34.7 30.1 45.1
170 23.8 20.6 30.8

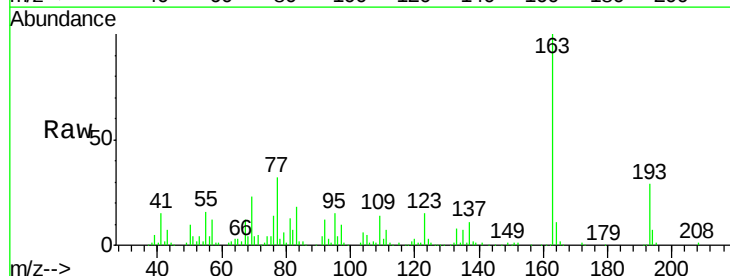


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

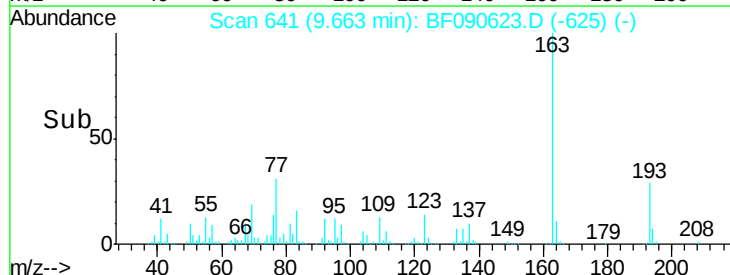
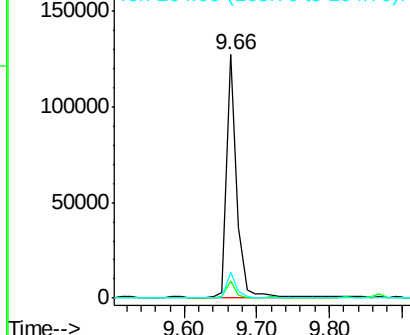


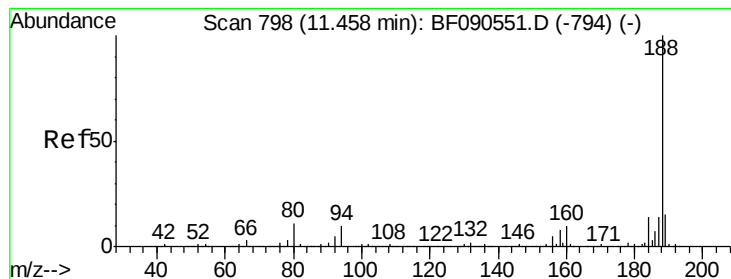
#49
Dimethylphthalate
Concen: 4.73 ng
RT: 9.66 min Scan# 641
Delta R.T. -0.01 min
Lab File: BF090623.D
Acq: 17 Oct 2016 22:25

Tgt Ion:163 Resp: 123441
Ion Ratio Lower Upper
163 100
194 6.9 2.3 3.5#
164 10.6 8.6 13.0



Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.43 min Scan# 796

Delta R.T. -0.01 min

Lab File: BF090623.D

Acq: 17 Oct 2016 22:25

Instrument :

BNA_F

ClientSampled :

6

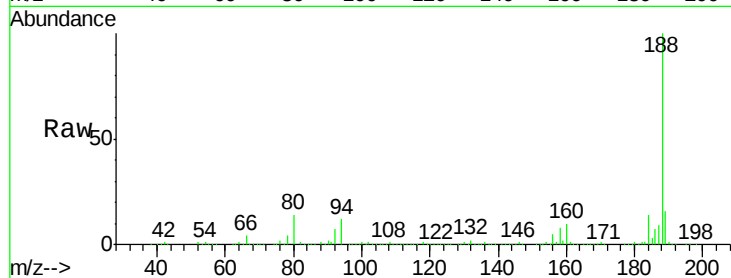
Tgt Ion:188 Resp: 513969

Ion Ratio Lower Upper

188 100

94 12.4 7.7 11.5#

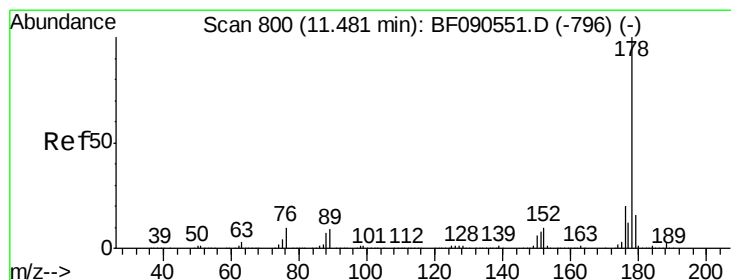
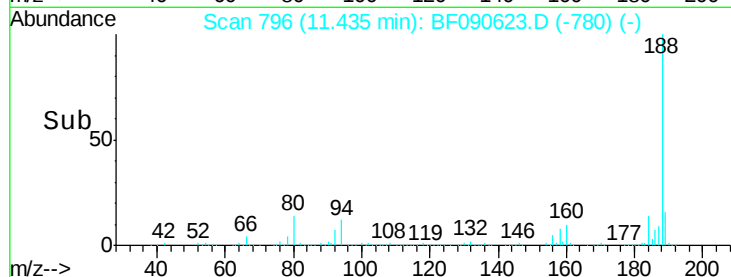
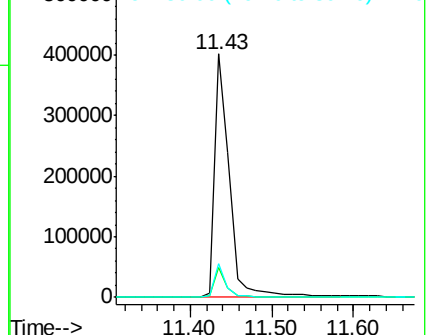
80 13.9 8.6 12.8#



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0



#70

Phenanthrene

Concen: 5.34 ng

RT: 11.46 min Scan# 798

Delta R.T. -0.01 min

Lab File: BF090623.D

Acq: 17 Oct 2016 22:25

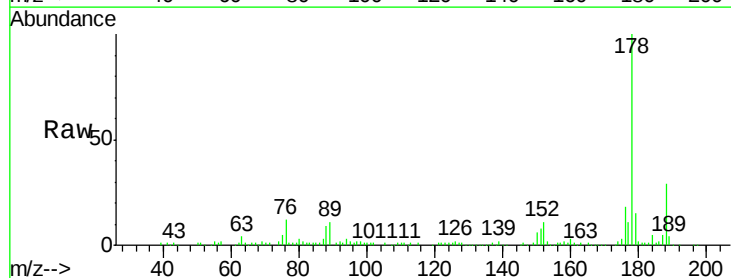
Tgt Ion:178 Resp: 146512

Ion Ratio Lower Upper

178 100

176 18.1 16.1 24.1

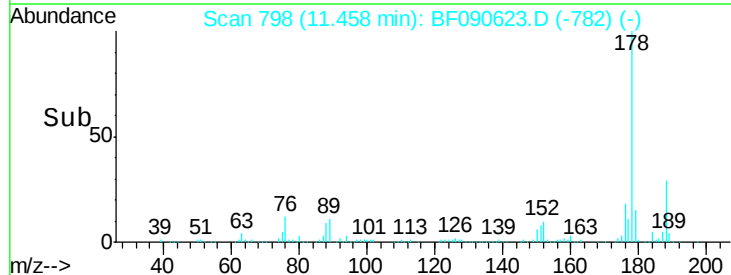
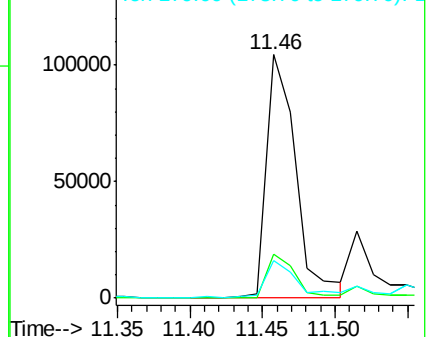
179 15.2 12.6 19.0

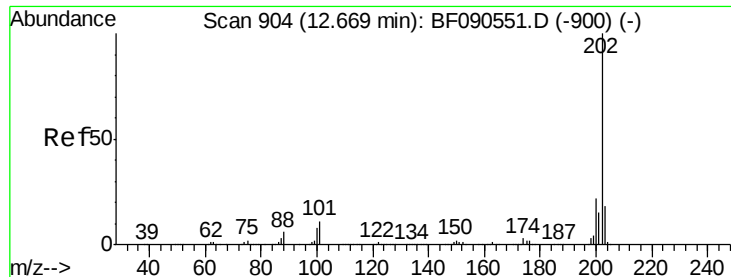


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 14.03 ng

RT: 12.66 min Scan# 903

Delta R.T. -0.00 min

Lab File: BF090623.D

Acq: 17 Oct 2016 22:25

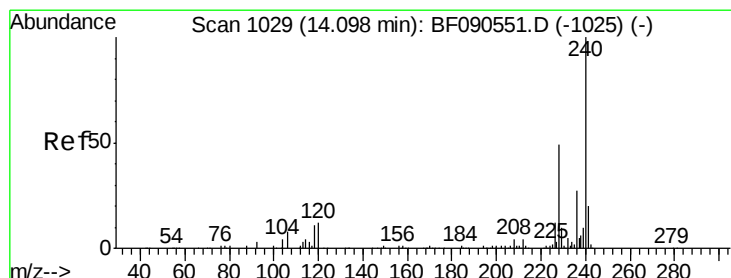
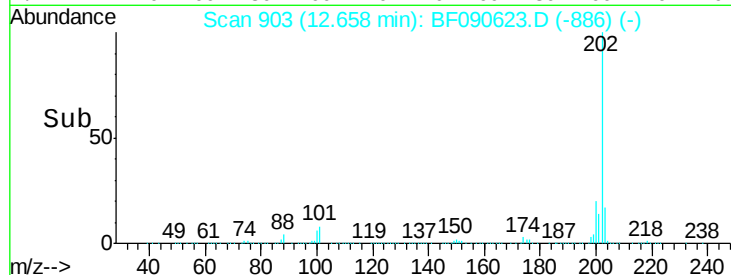
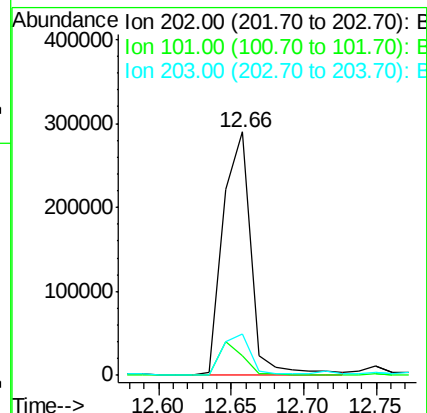
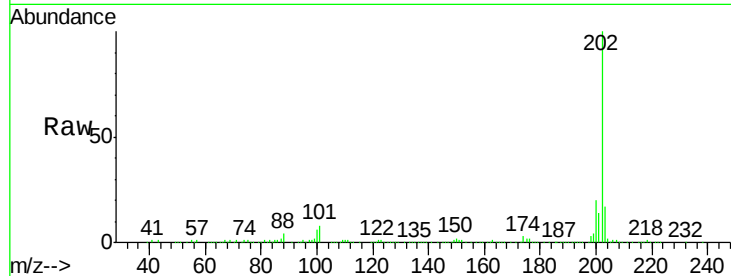
Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:	202	Resp:	387225
Ion Ratio	Lower	Upper	
202	100		
101	8.0	0.0	31.1
203	16.9	0.0	38.0



#75

Chrysene-d12

Concen: 20.00 ng

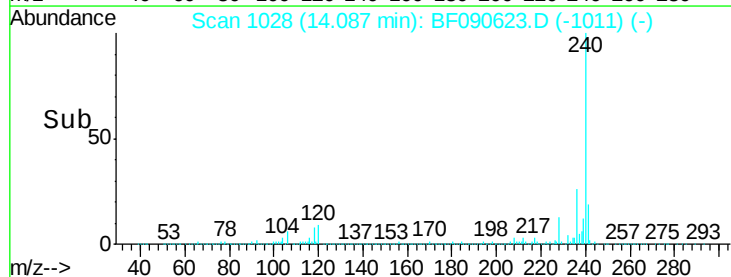
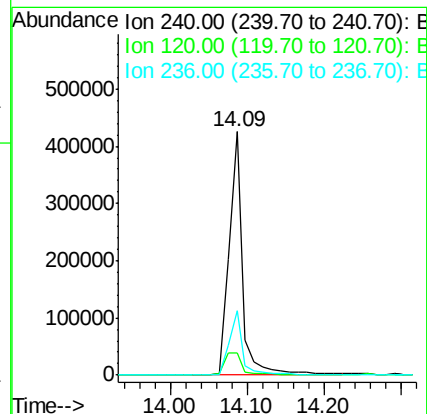
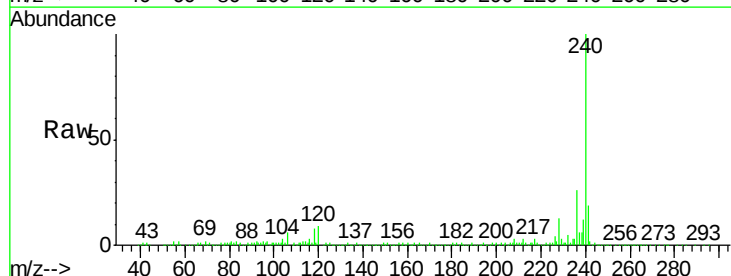
RT: 14.09 min Scan# 1028

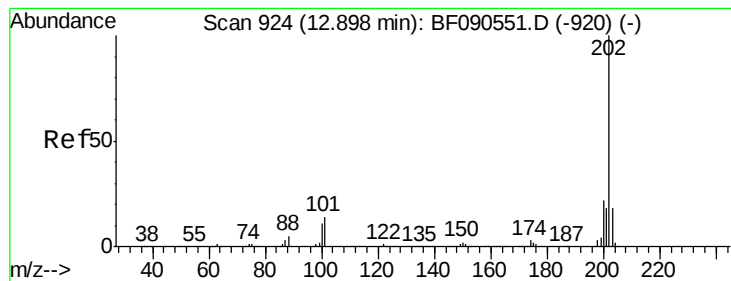
Delta R.T. -0.00 min

Lab File: BF090623.D

Acq: 17 Oct 2016 22:25

Tgt Ion:	240	Resp:	528262
Ion Ratio	Lower	Upper	
240	100		
120	9.0	9.8	14.8#
236	26.3	21.7	32.5





#77

Pyrene

Concen: 10.46 ng

RT: 12.89 min Scan# 923

Delta R.T. -0.00 min

Lab File: BF090623.D

Acq: 17 Oct 2016 22:25

Instrument :

BNA_F

ClientSampleId :

6

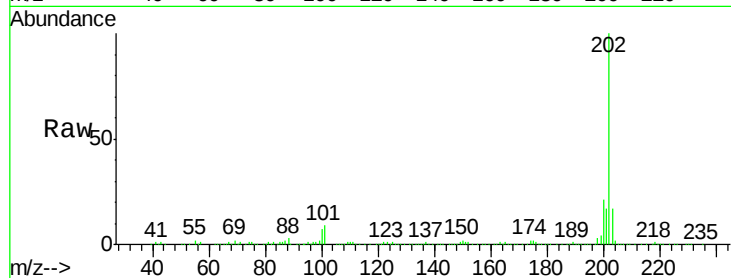
Tgt Ion:202 Resp: 365822

Ion Ratio Lower Upper

202 100

200 20.6 17.8 26.6

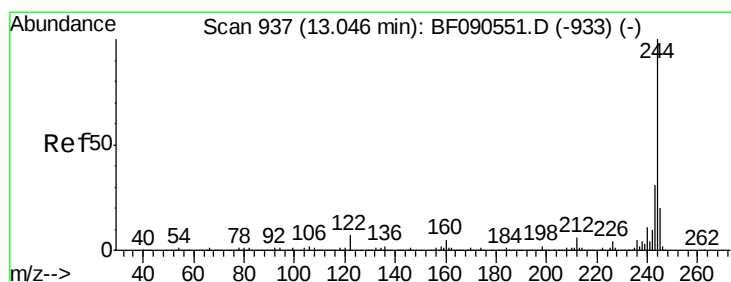
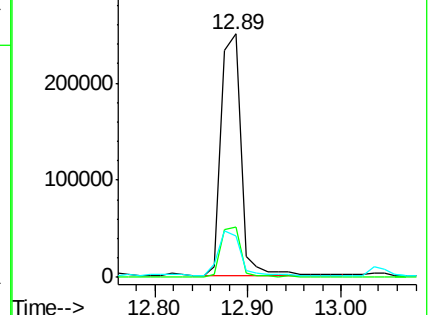
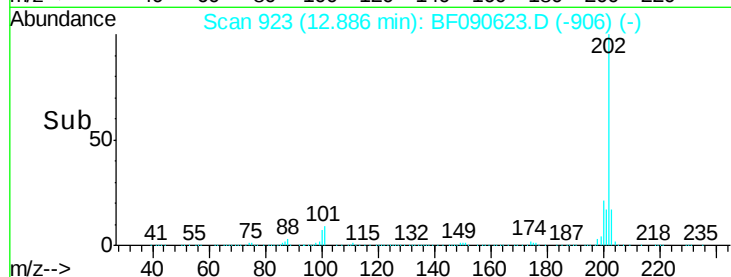
203 17.1 14.6 21.8



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: 12.06 ng

RT: 13.02 min Scan# 935

Delta R.T. -0.01 min

Lab File: BF090623.D

Acq: 17 Oct 2016 22:25

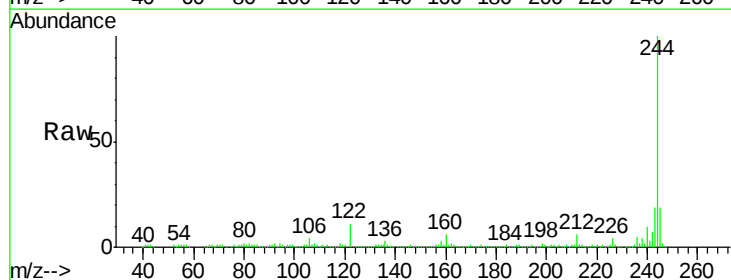
Tgt Ion:244 Resp: 273676

Ion Ratio Lower Upper

244 100

212 6.4 5.0 7.4

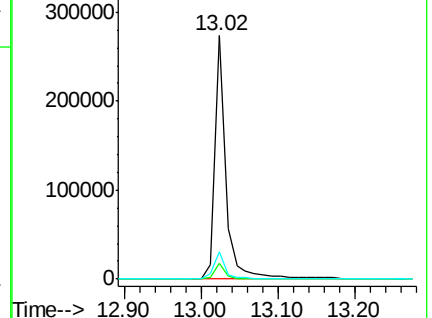
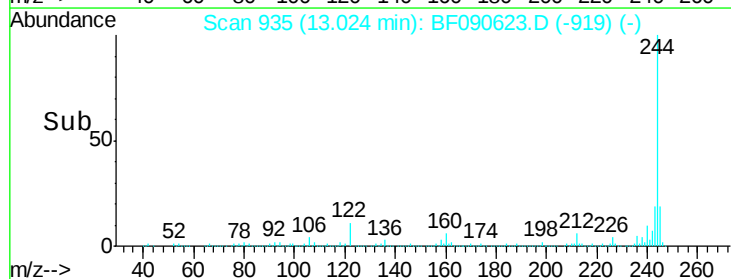
122 11.3 5.6 8.4#

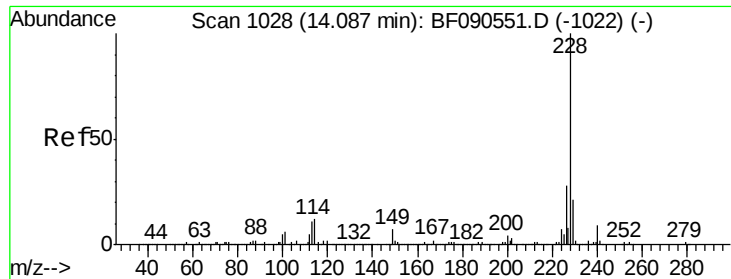


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 6.66 ng

RT: 14.08 min Scan# 1027

Delta R.T. -0.00 min

Lab File: BF090623.D

Acq: 17 Oct 2016 22:25

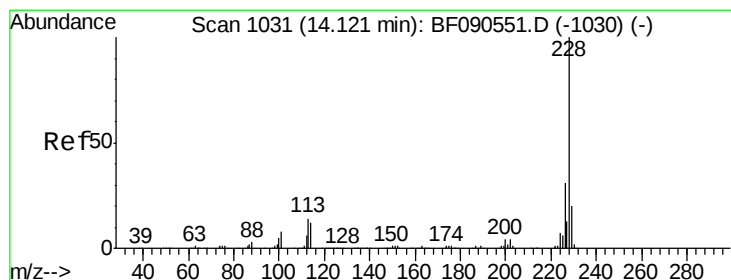
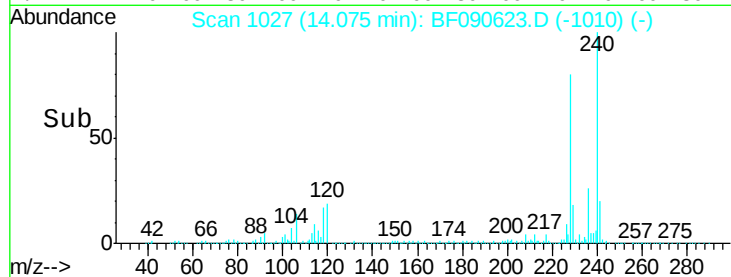
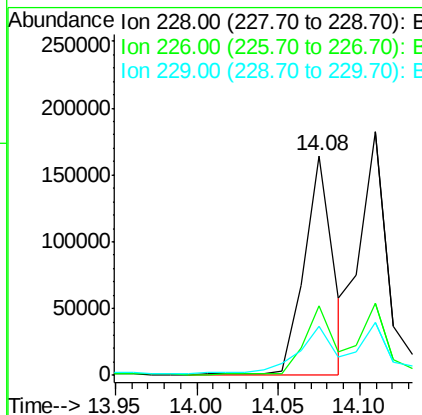
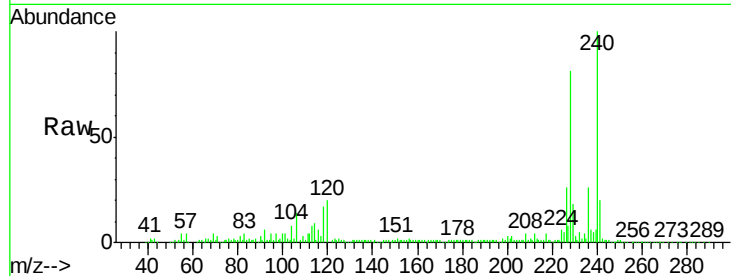
Instrument :

BNA_F

ClientSampleId :

6

Tgt Ion:	228	Resp:	200312
Ion Ratio	Lower	Upper	
228	100		
226	31.9	22.8	34.2
229	22.5	16.6	25.0



#82

Chrysene

Concen: 6.91 ng

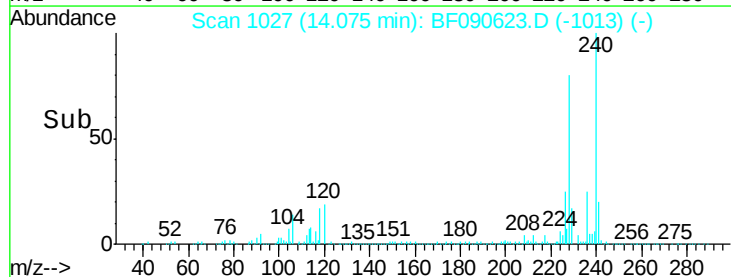
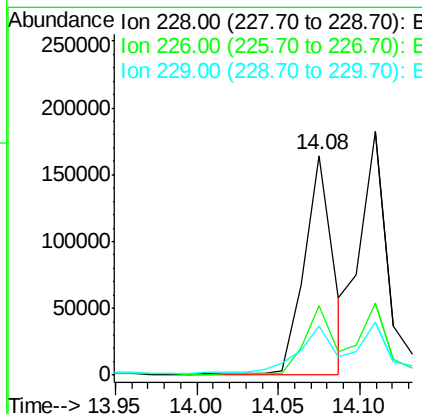
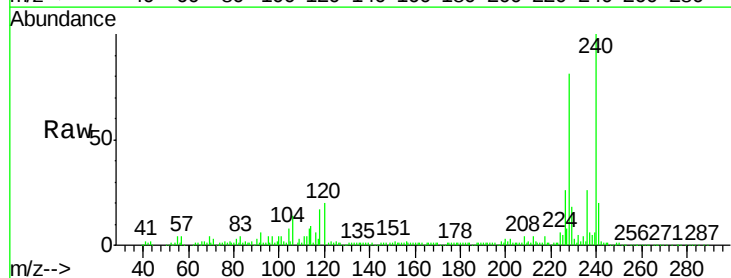
RT: 14.08 min Scan# 1027

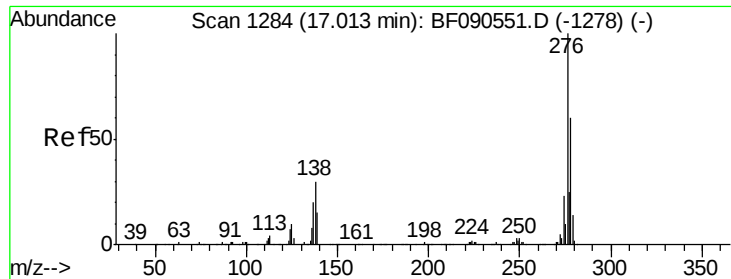
Delta R.T. -0.03 min

Lab File: BF090623.D

Acq: 17 Oct 2016 22:25

Tgt Ion:	228	Resp:	200312
Ion Ratio	Lower	Upper	
228	100		
226	31.9	24.8	37.2
229	22.5	16.2	24.4

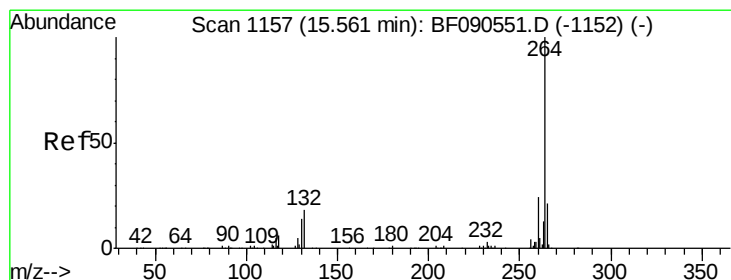
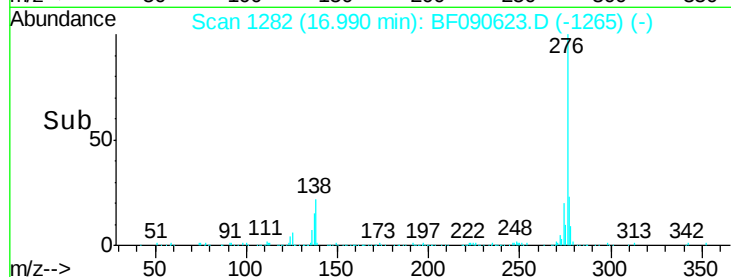
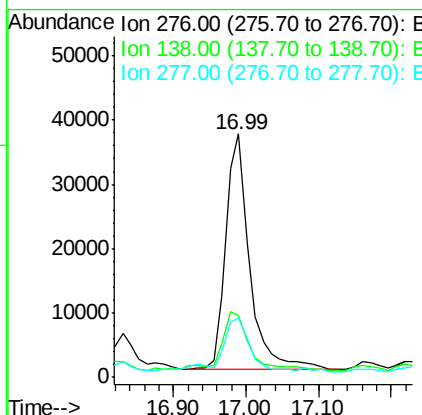
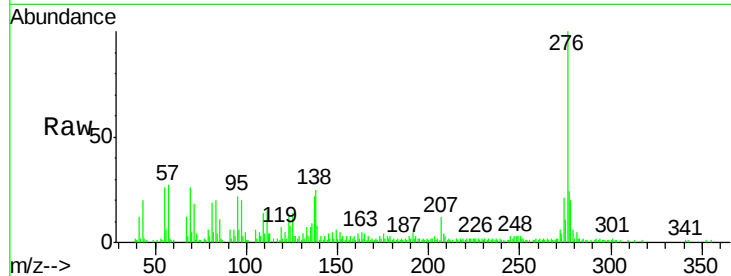




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 5.04 ng
 RT: 16.99 min Scan# 1282
 Delta R.T. -0.00 min
 Lab File: BF090623.D
 Acq: 17 Oct 2016 22:25

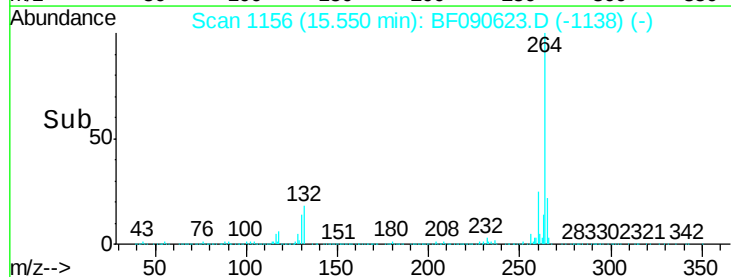
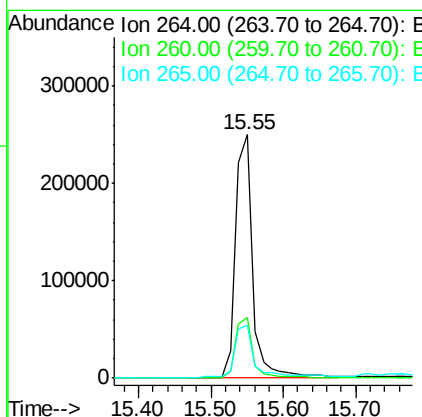
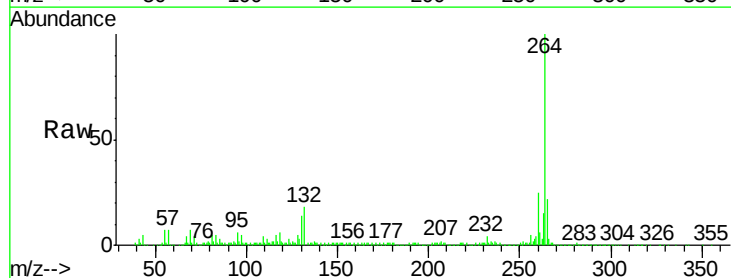
Instrument :
 BNA_F
 ClientSampleId :
 6

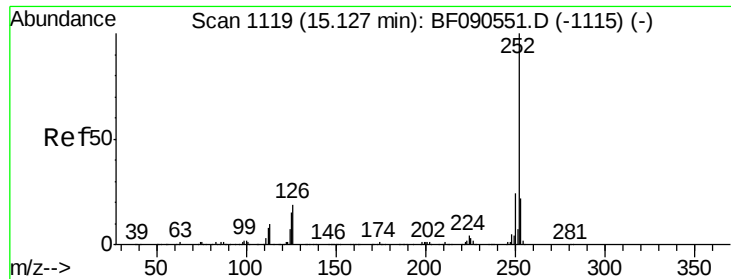
Tgt Ion	Ratio	Lower	Upper
276	100		
138	30.0	25.8	38.6
277	25.7	20.1	30.1



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.55 min Scan# 1156
 Delta R.T. 0.01 min
 Lab File: BF090623.D
 Acq: 17 Oct 2016 22:25

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.1	19.3	28.9
265	21.9	16.7	25.1





#87

Benzo(b)fluoranthene

Concen: 13.46 ng

RT: 15.12 min Scan# 1118

Delta R.T. -0.00 min

Lab File: BF090623.D

Acq: 17 Oct 2016 22:25

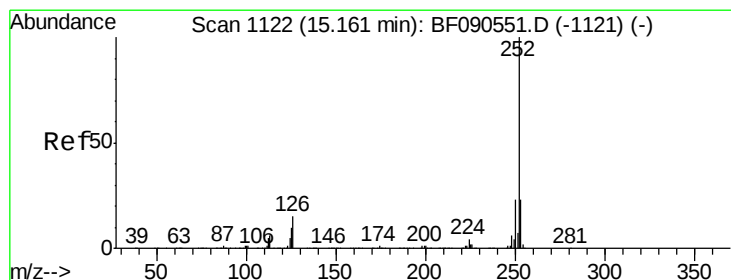
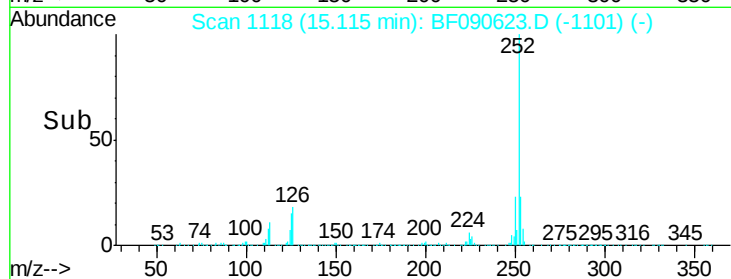
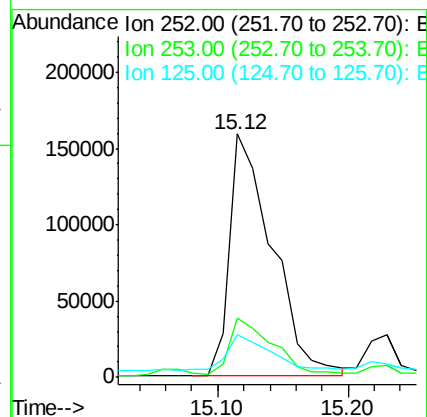
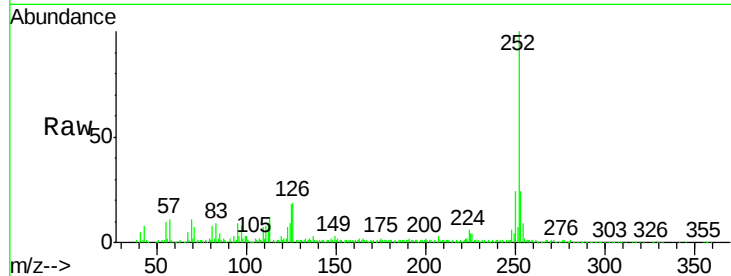
Instrument :

BNA_F

ClientSampleId :

6

Tgt Ion:	252	Resp:	362296
Ion Ratio	Lower	Upper	
252	100		
253	24.2	17.8	26.8
125	17.7	12.0	18.0



#88

Benzo(k)fluoranthene

Concen: 12.51 ng

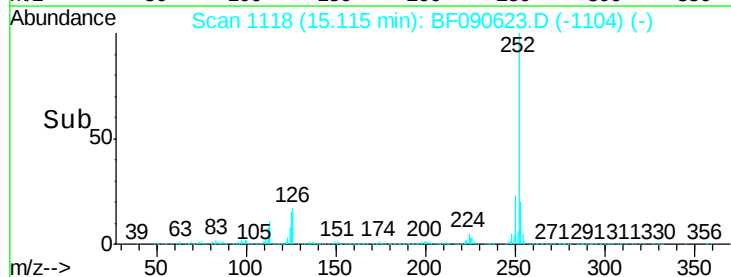
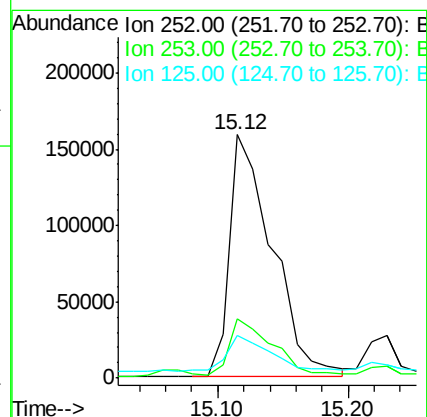
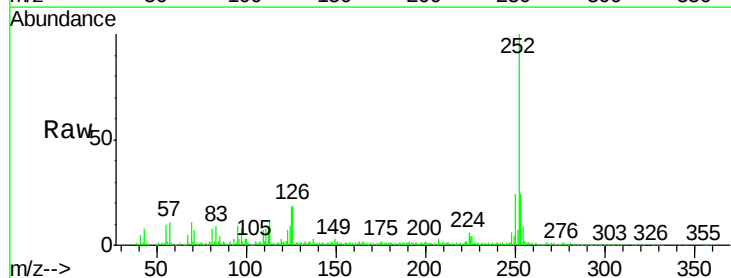
RT: 15.12 min Scan# 1118

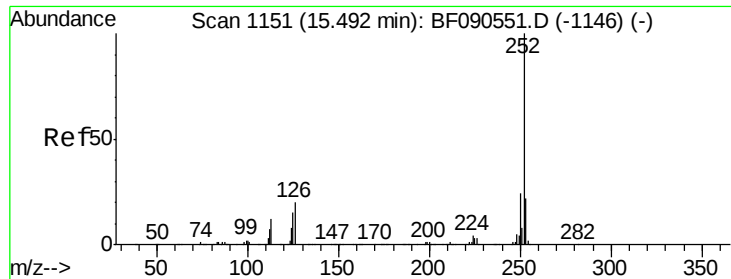
Delta R.T. -0.03 min

Lab File: BF090623.D

Acq: 17 Oct 2016 22:25

Tgt Ion:	252	Resp:	362296
Ion Ratio	Lower	Upper	
252	100		
253	24.2	18.0	27.0
125	17.7	10.0	15.0#





#89

Benzo(a)pyrene

Concen: 6.53 ng

RT: 15.48 min Scan# 1150

Delta R.T. -0.00 min

Lab File: BF090623.D

Acq: 17 Oct 2016 22:25

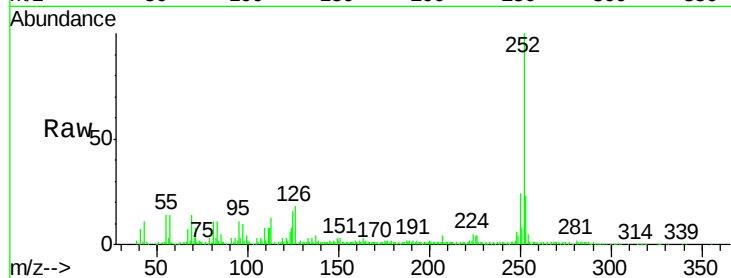
Instrument :

BNA_F

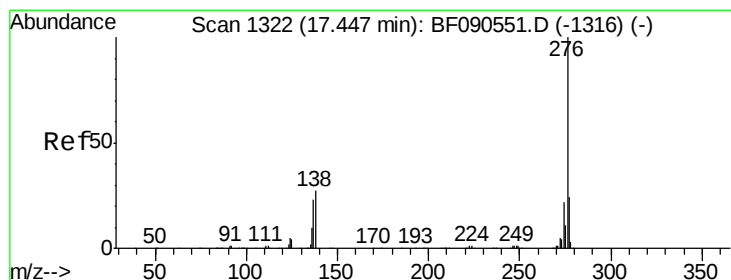
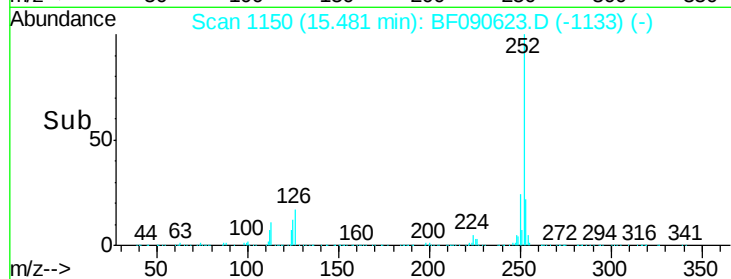
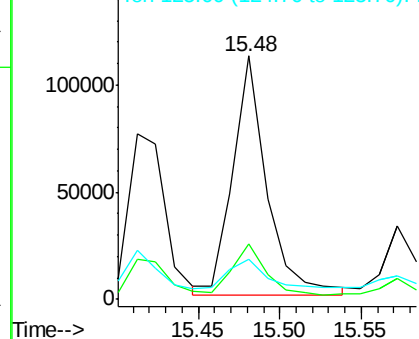
ClientSampled :

6

Tgt Ion:	252	Resp:	160991
Ion	Ratio	Lower	Upper
252	100		
253	22.7	17.9	26.9
125	16.4	12.3	18.5



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: 4.44 ng

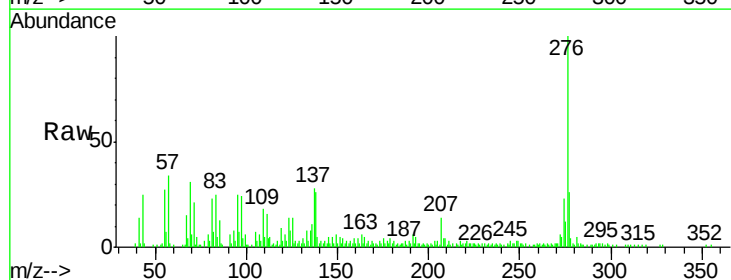
RT: 17.42 min Scan# 1320

Delta R.T. -0.00 min

Lab File: BF090623.D

Acq: 17 Oct 2016 22:25

Tgt Ion:	276	Resp:	79602
Ion	Ratio	Lower	Upper
276	100		
277	26.2	18.8	28.2
138	26.4	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

