

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF101816\
 Data File : BF090626.D
 Acq On : 18 Oct 2016 11:42
 Operator : UM/SJ
 Sample : H5227-01 2X
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 1

Quant Time: Oct 19 01:04:31 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

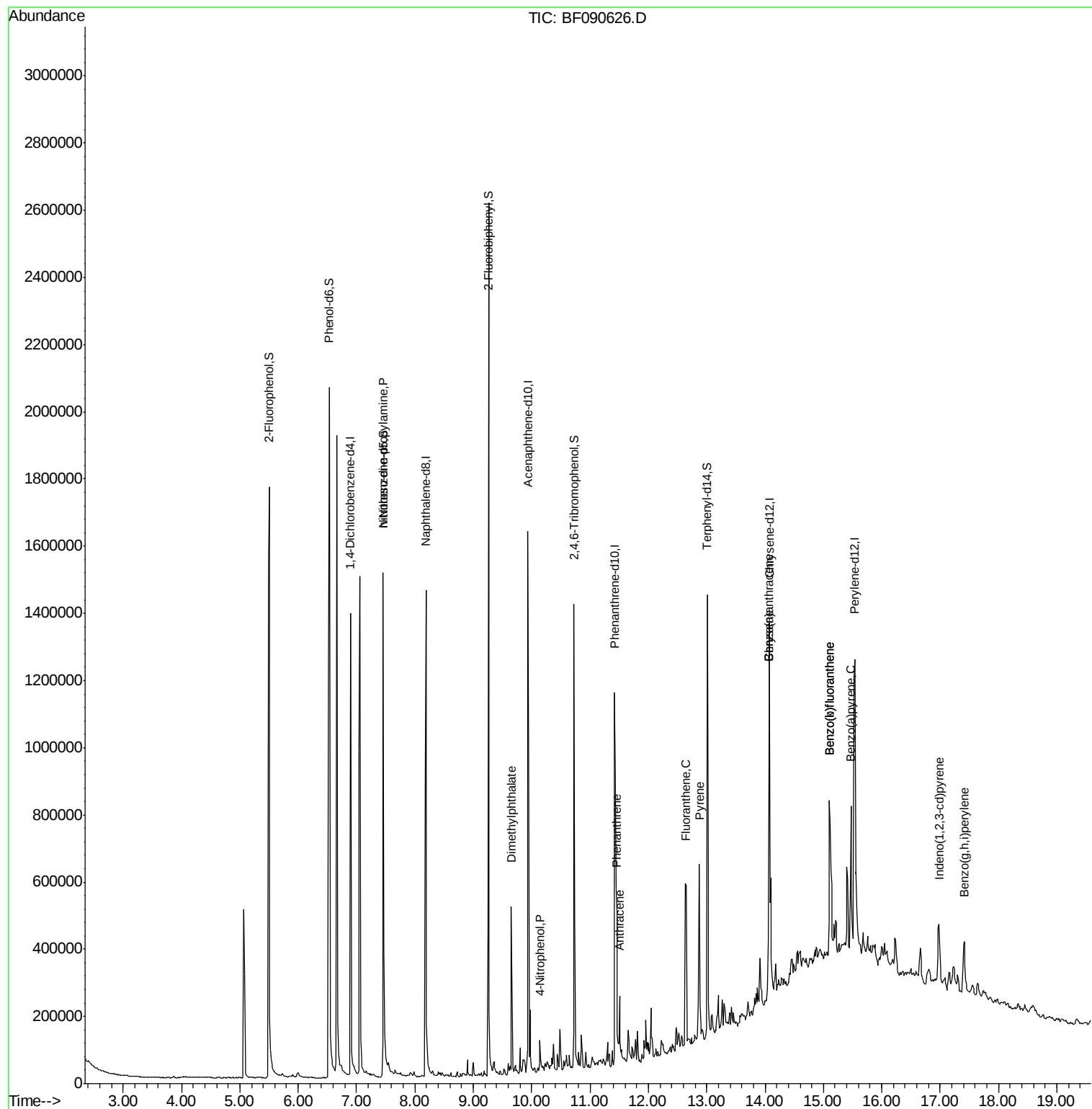
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.90	152	210819	20.00	ng	-0.01
21) Naphthalene-d8	8.19	136	871348	20.00	ng	-0.01
38) Acenaphthene-d10	9.94	164	409596	20.00	ng	-0.02
63) Phenanthrene-d10	11.42	188	573150	20.00	ng	-0.02
75) Chrysene-d12	14.08	240	434547	20.00	ng	-0.01
86) Perylene-d12	15.54	264	493974	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.50	112	728861	63.38	ng	-0.01
7) Phenol-d6	6.53	99	992597	58.09	ng	-0.01
23) Nitrobenzene-d5	7.46	82	605800	38.62	ng	-0.02
41) 2,4,6-Tribromophenol	10.73	330	138518	37.93	ng	-0.02
44) 2-Fluorobiphenyl	9.26	172	755157	30.38	ng	-0.01
78) Terphenyl-d14	13.01	244	428364	22.95	ng	-0.02
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.46	70	69059	5.89	ng	Qvalue # 80
49) Dimethylphthalate	9.65	163	218838	8.23	ng	99
55) 4-Nitrophenol	10.14	139	12146	2.77	ng	# 9
70) Phenanthrene	11.46	178	246249	8.05	ng	97
71) Anthracene	11.50	178	101762	3.09	ng	99
74) Fluoranthene	12.65	202	296048	9.62	ng	98
77) Pyrene	12.88	202	298697	10.38	ng	99
80) Benzo(a)anthracene	14.06	228	184683	7.47	ng	93
82) Chrysene	14.06	228	184683	7.75	ng	96
85) Indeno(1,2,3-cd)pyrene	16.98	276	151075	10.96	ng	96
87) Benzo(b)fluoranthene	15.10	252	365346	11.30	ng	96
88) Benzo(k)fluoranthene	15.10	252	365346	10.50	ng	# 94
89) Benzo(a)pyrene	15.47	252	218239	7.37	ng	98
91) Benzo(g,h,i)perylene	17.41	276	143041	6.65	ng	99

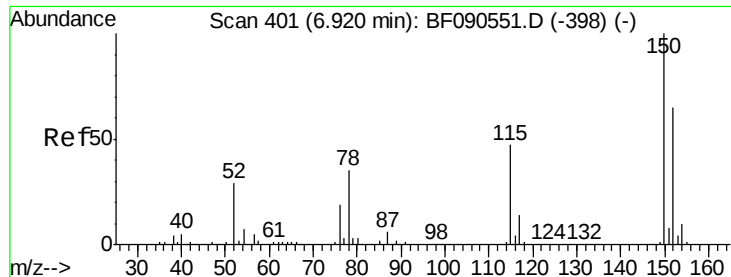
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.90 min Scan# 399

Delta R.T. -0.01 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Instrument :

BNA_F

ClientSampleId :

1

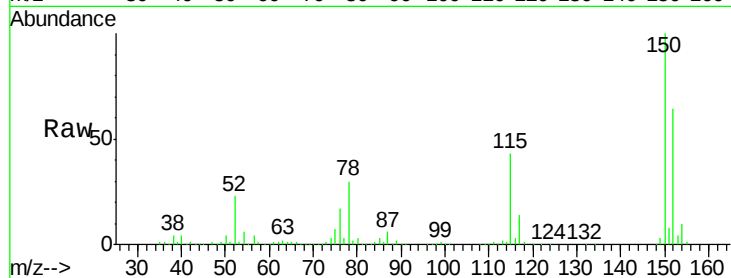
Tgt Ion:152 Resp: 210819

Ion Ratio Lower Upper

152 100

150 155.5 127.2 190.8

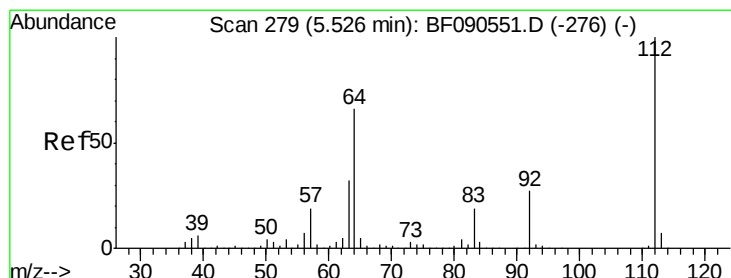
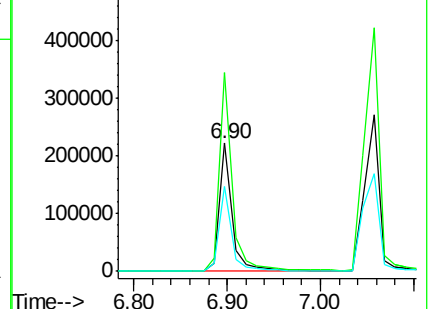
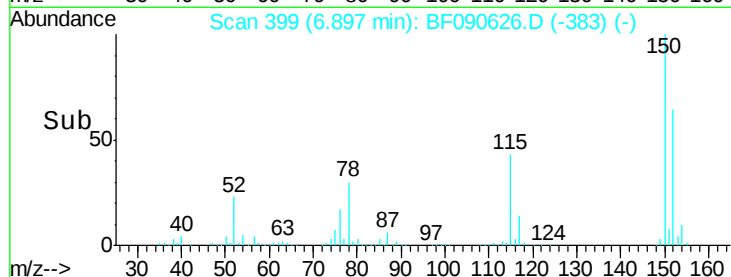
115 66.8 58.6 88.0



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



#5

2-Fluorophenol

Concen: 63.38 ng

RT: 5.50 min Scan# 277

Delta R.T. -0.01 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

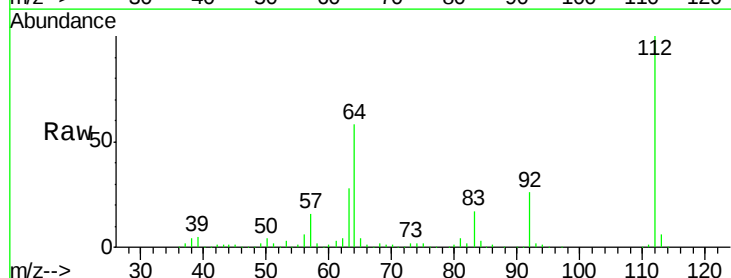
Tgt Ion:112 Resp: 728861

Ion Ratio Lower Upper

112 100

64 58.0 52.6 78.8

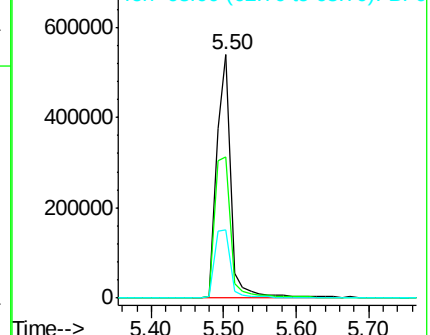
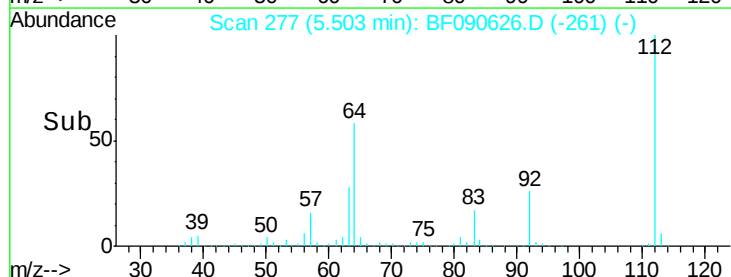
63 28.3 26.0 39.0

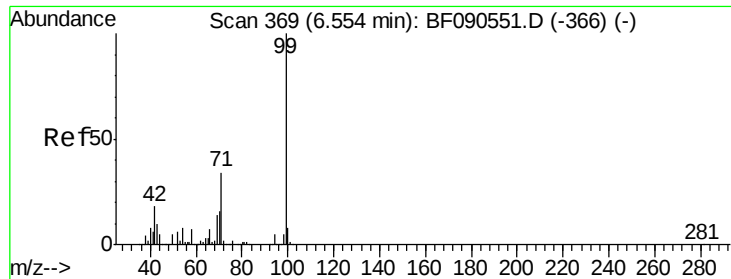


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 58.09 ng

RT: 6.53 min Scan# 367

Delta R.T. -0.01 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Instrument :

BNA_F

ClientSampled :

1

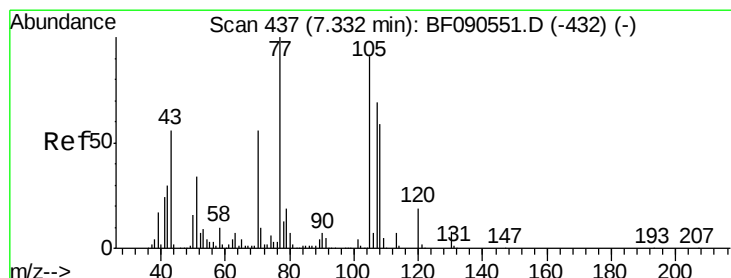
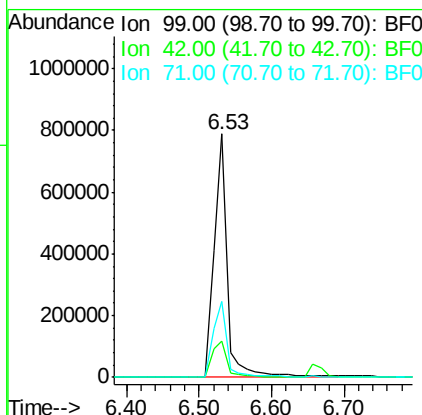
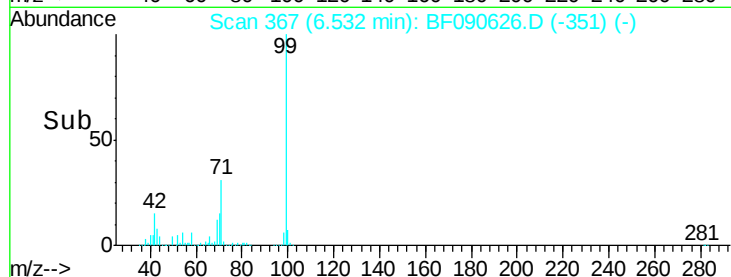
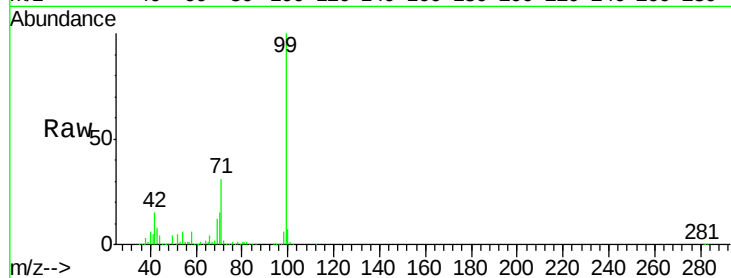
Tgt Ion: 99 Resp: 992597

Ion Ratio Lower Upper

99 100

42 14.9 14.7 22.1

71 31.2 27.6 41.4



#19

n-Nitroso-di-n-propylamine

Concen: 5.89 ng

RT: 7.46 min Scan# 448

Delta R.T. 0.13 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Tgt Ion: 70 Resp: 69059

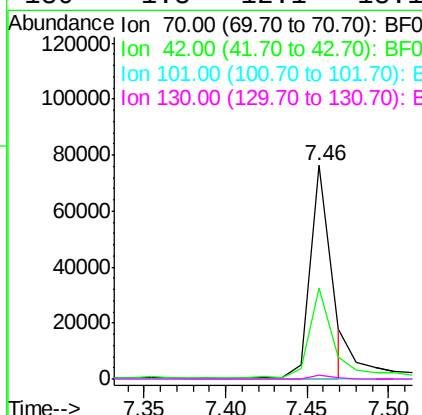
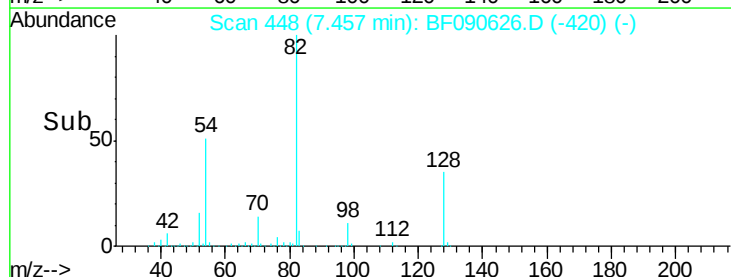
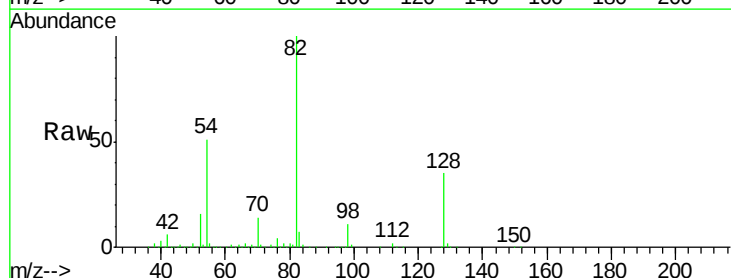
Ion Ratio Lower Upper

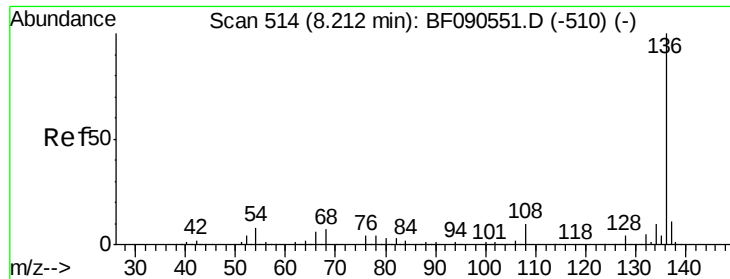
70 100

42 42.8 43.4 65.0#

101 0.0 6.4 9.6#

130 1.8 12.1 18.1#

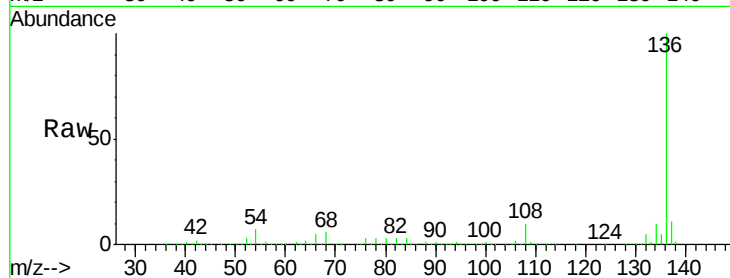




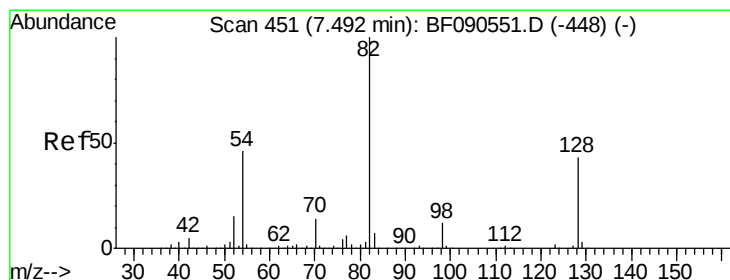
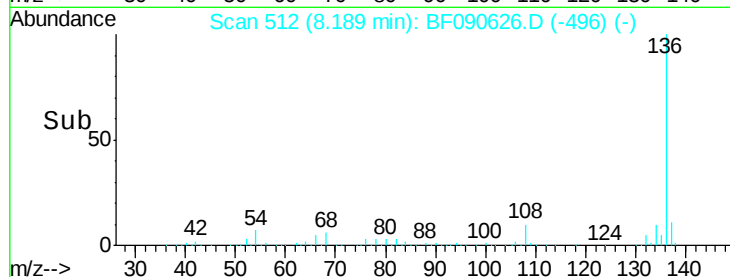
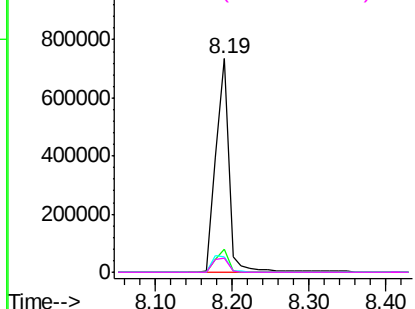
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.19 min Scan# 512
Delta R.T. -0.01 min
Lab File: BF090626.D
Acq: 18 Oct 2016 11:42

Instrument :
BNA_F
ClientSampled :
1

Tgt Ion:	136	Resp:	871348
Ion	Ratio	Lower	Upper
136	100		
137	11.0	8.8	13.2
54	7.2	6.8	10.2
68	6.4	6.0	9.0

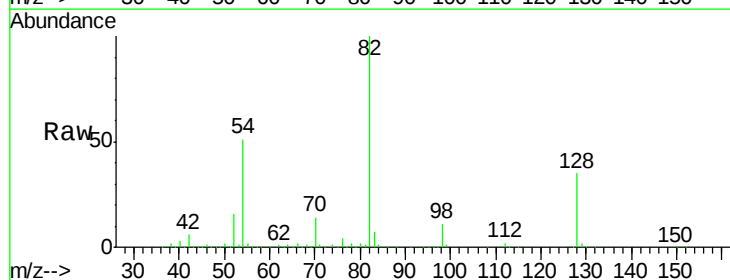


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

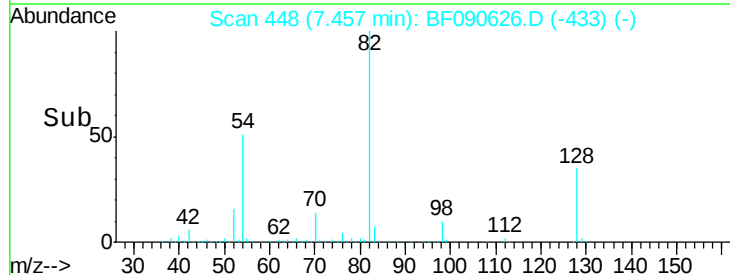
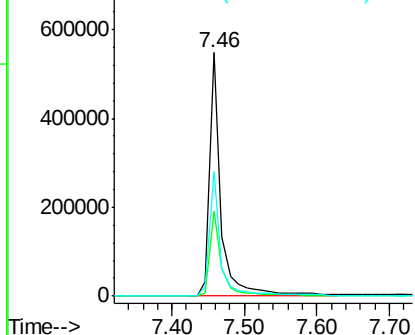


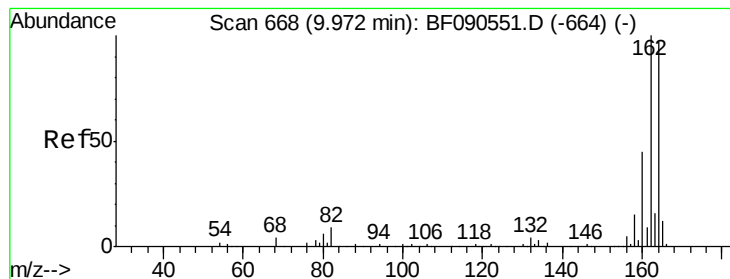
#23
Nitrobenzene-d5
Concen: 38.62 ng
RT: 7.46 min Scan# 448
Delta R.T. -0.02 min
Lab File: BF090626.D
Acq: 18 Oct 2016 11:42

Tgt Ion:	82	Resp:	605800
Ion	Ratio	Lower	Upper
82	100		
128	34.7	34.3	51.5
54	51.3	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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.94 min Scan# 665

Delta R.T. -0.02 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Instrument :

BNA_F

ClientSampled :

1

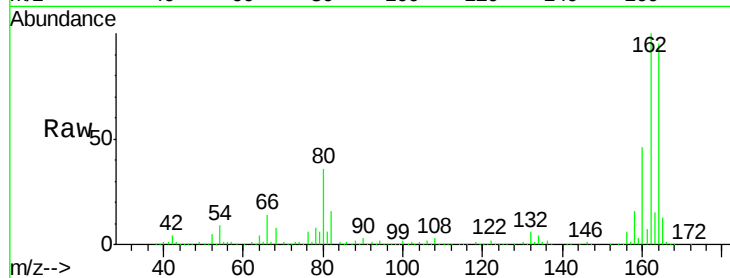
Tgt Ion:164 Resp: 409596

Ion Ratio Lower Upper

164 100

162 105.3 82.2 123.4

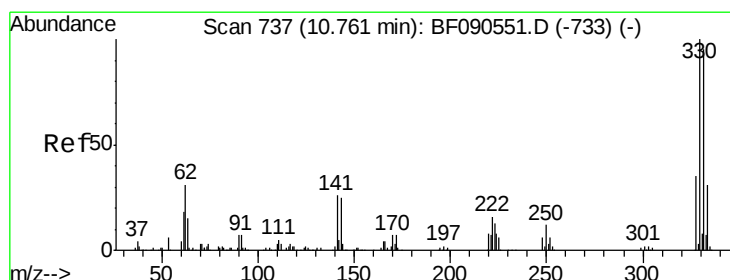
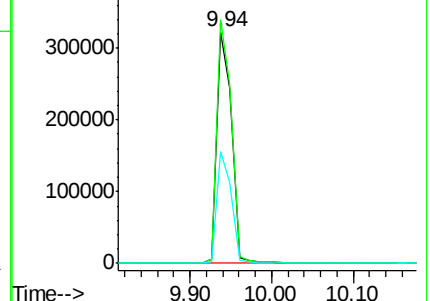
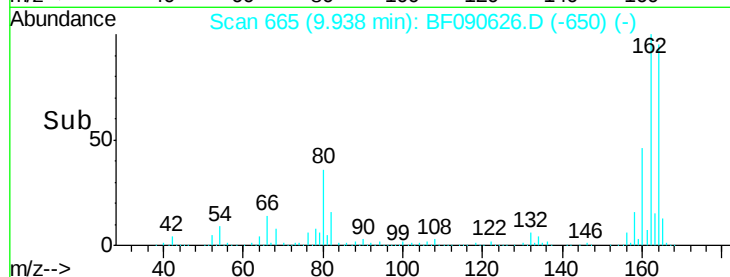
160 48.4 36.6 55.0



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: 37.93 ng

RT: 10.73 min Scan# 734

Delta R.T. -0.02 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

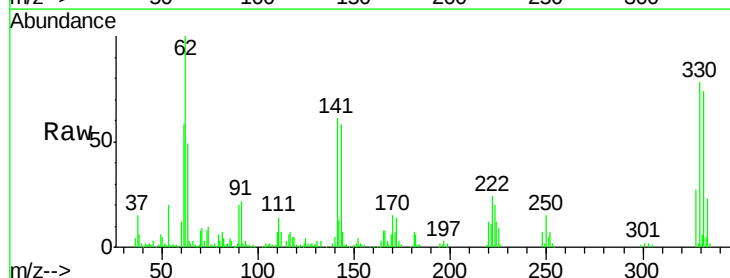
Tgt Ion:330 Resp: 138518

Ion Ratio Lower Upper

330 100

332 96.0 76.2 114.2

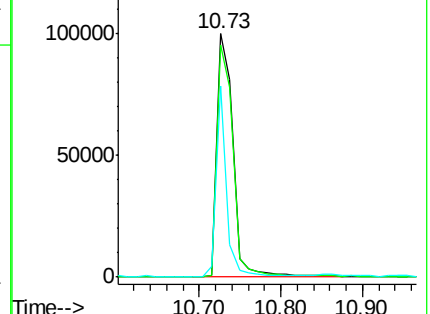
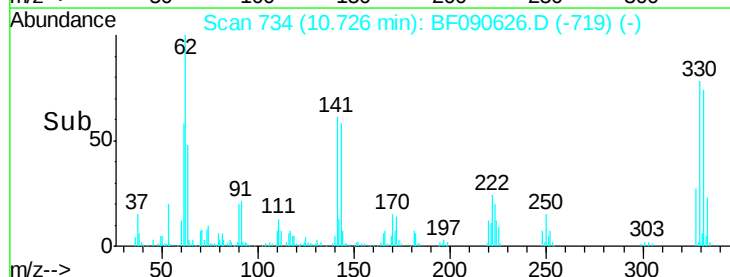
141 52.8 31.4 47.2#

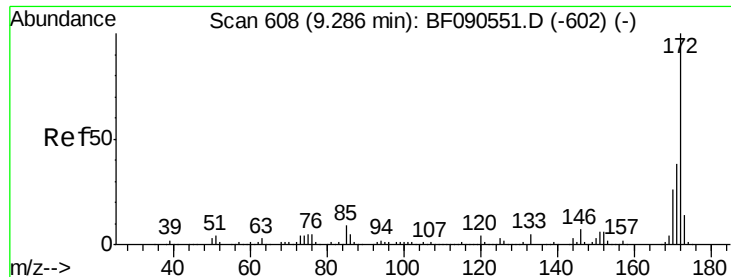


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

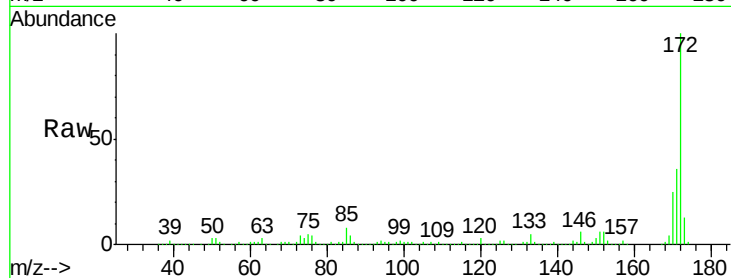




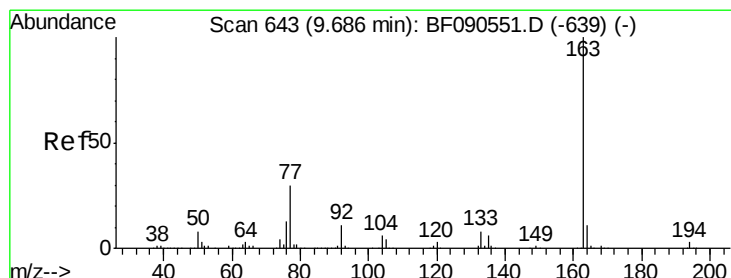
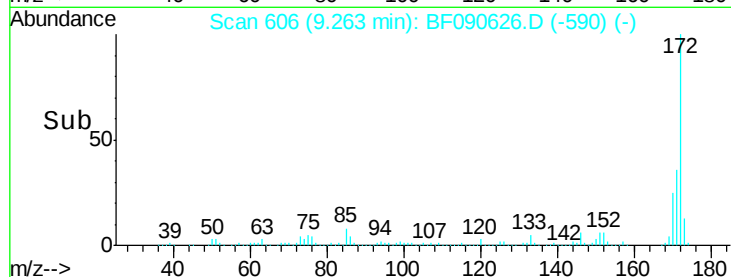
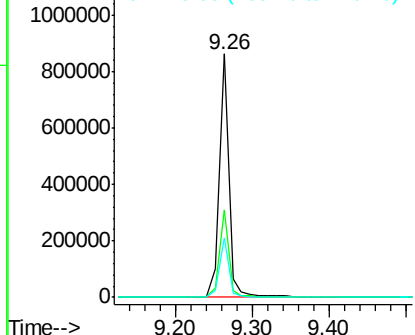
#44
 2-Fluorobiphenyl
 Concen: 30.38 ng
 RT: 9.26 min Scan# 606
 Delta R.T. -0.01 min
 Lab File: BF090626.D
 Acq: 18 Oct 2016 11:42

Instrument :
 BNA_F
 ClientSampled :
 1

Tgt Ion	Ratio	Lower	Upper
172	100		
171	36.1	30.1	45.1
170	24.6	20.6	30.8

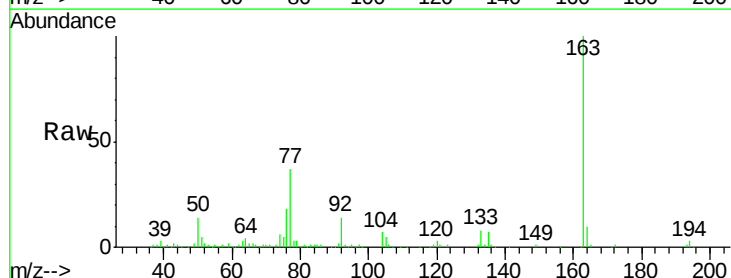


Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

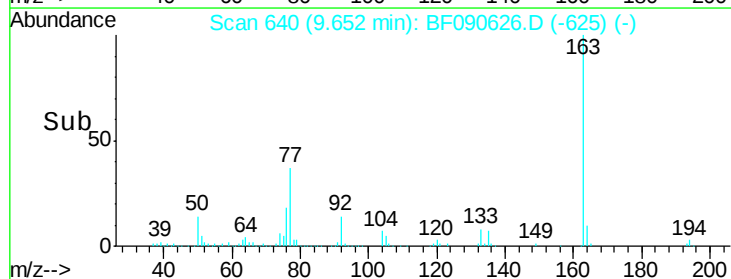
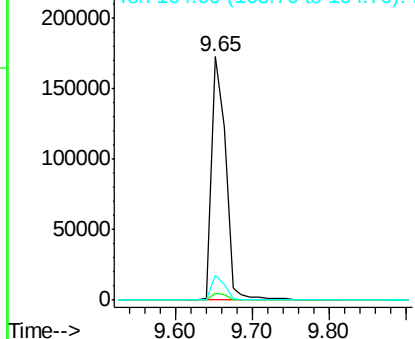


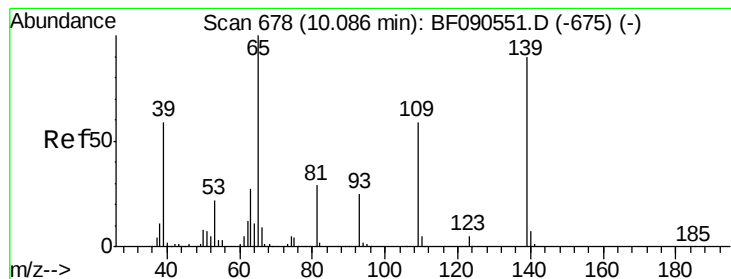
#49
 Dimethylphthalate
 Concen: 8.23 ng
 RT: 9.65 min Scan# 640
 Delta R.T. -0.02 min
 Lab File: BF090626.D
 Acq: 18 Oct 2016 11:42

Tgt Ion	Ratio	Lower	Upper
163	100		
194	2.6	2.3	3.5
164	10.3	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





#55

4-Nitrophenol

Concen: 2.77 ng

RT: 10.14 min Scan# 683

Delta R.T. 0.07 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Instrument :

BNA_F

ClientSampleId :

1

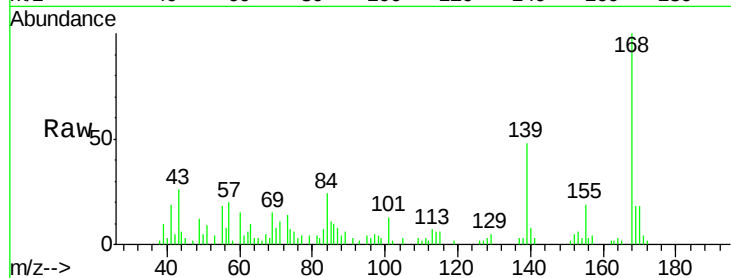
Tgt Ion:139 Resp: 12146

Ion Ratio Lower Upper

139 100

109 6.4 45.9 85.9#

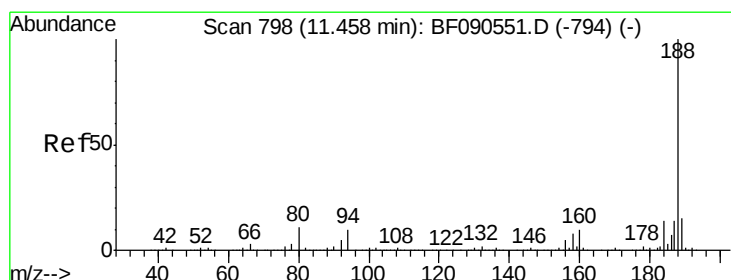
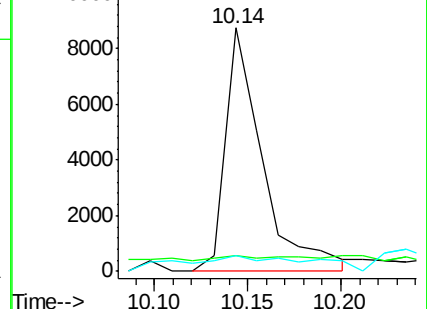
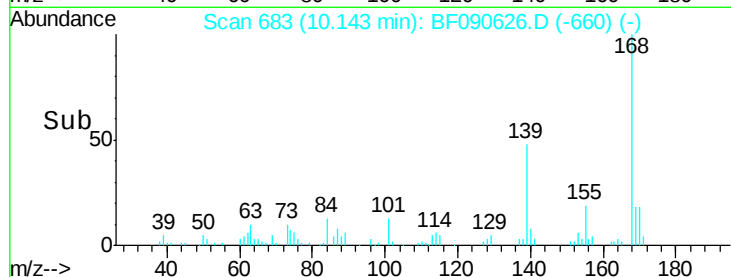
65 6.3 95.8 135.8#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.42 min Scan# 795

Delta R.T. -0.02 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

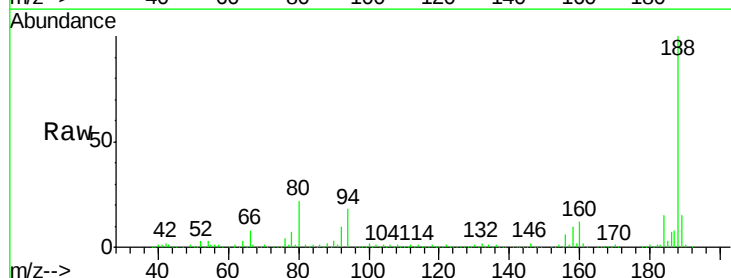
Tgt Ion:188 Resp: 573150

Ion Ratio Lower Upper

188 100

94 18.2 7.7 11.5#

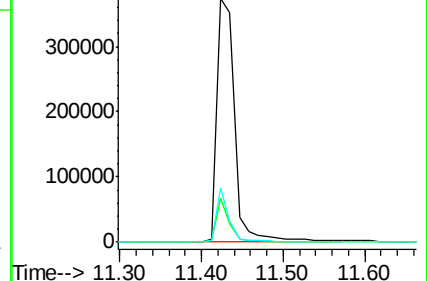
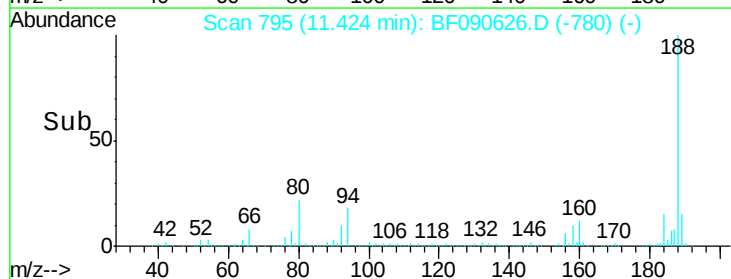
80 22.0 8.6 12.8#

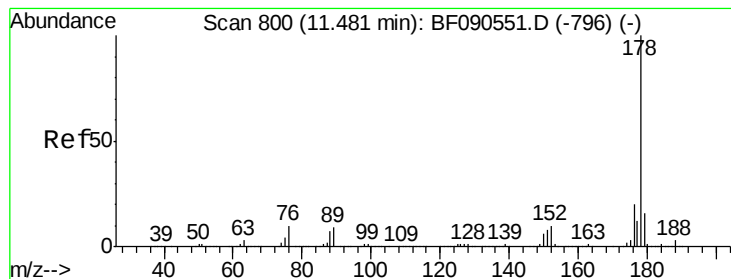


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 8.05 ng

RT: 11.46 min Scan# 798

Delta R.T. -0.01 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Instrument :

BNA_F

ClientSampled :

1

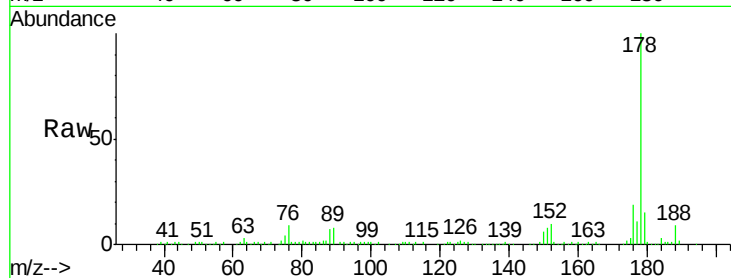
Tgt Ion:178 Resp: 246249

Ion Ratio Lower Upper

178 100

176 18.6 16.1 24.1

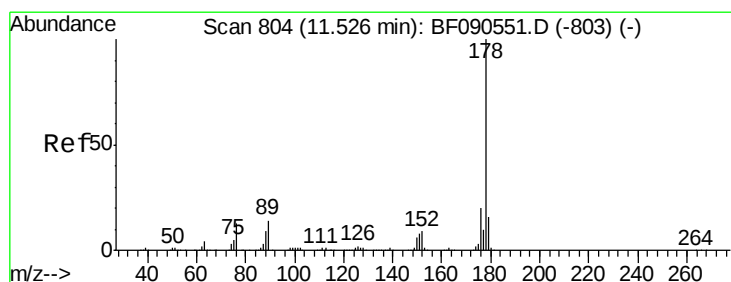
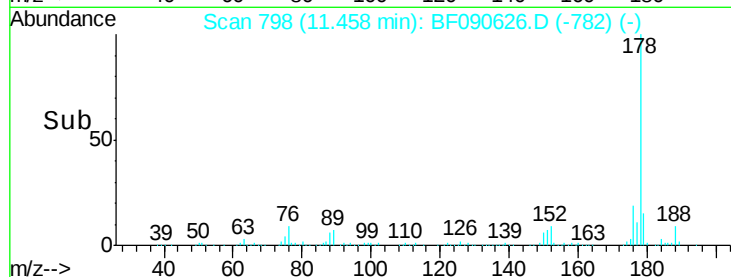
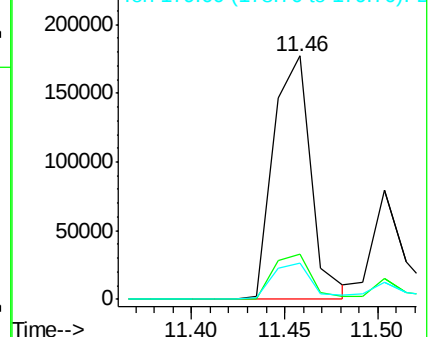
179 15.1 12.6 19.0



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



#71

Anthracene

Concen: 3.09 ng

RT: 11.50 min Scan# 802

Delta R.T. -0.01 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

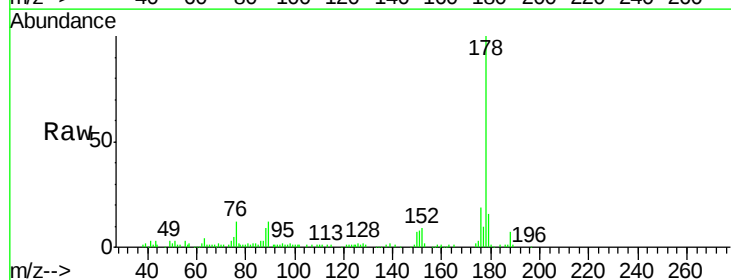
Tgt Ion:178 Resp: 101762

Ion Ratio Lower Upper

178 100

176 18.7 15.5 23.3

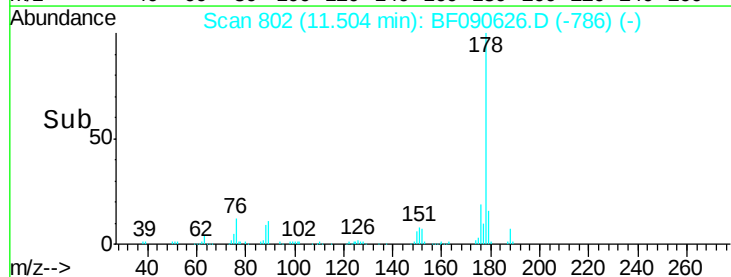
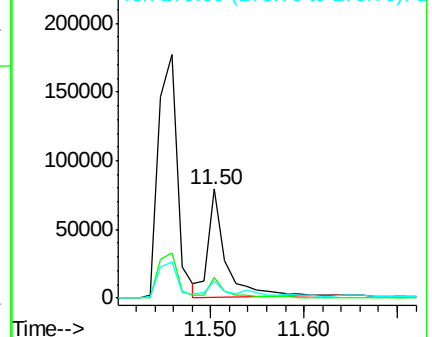
179 15.7 13.0 19.4

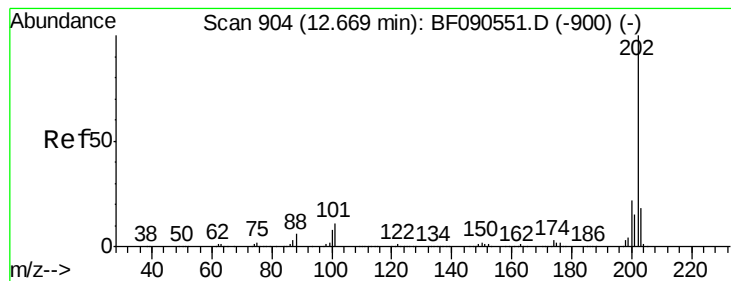


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 9.62 ng

RT: 12.65 min Scan# 902

Delta R.T. -0.01 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Instrument :

BNA_F

ClientSampleId :

1

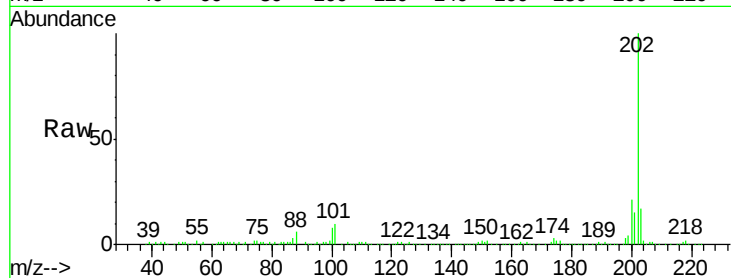
Tgt Ion: 202 Resp: 296048

Ion Ratio Lower Upper

202 100

101 10.1 0.0 31.1

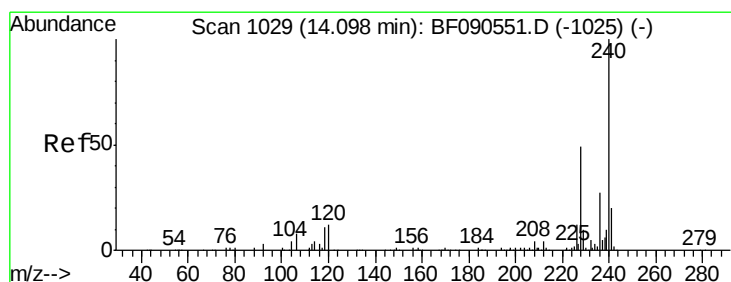
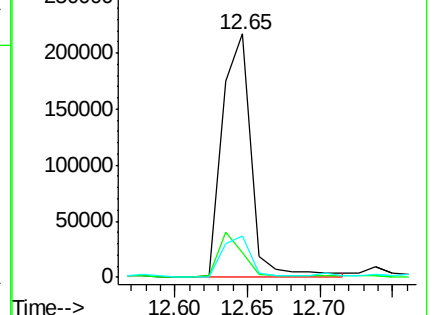
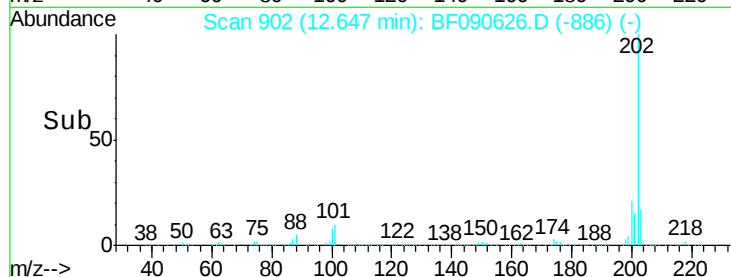
203 17.0 0.0 38.0



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: 14.08 min Scan# 1027

Delta R.T. -0.01 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

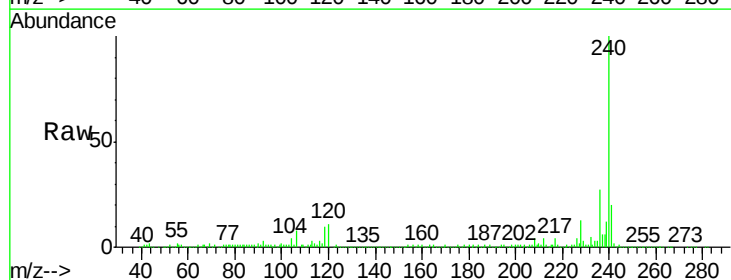
Tgt Ion: 240 Resp: 434547

Ion Ratio Lower Upper

240 100

120 11.4 9.8 14.8

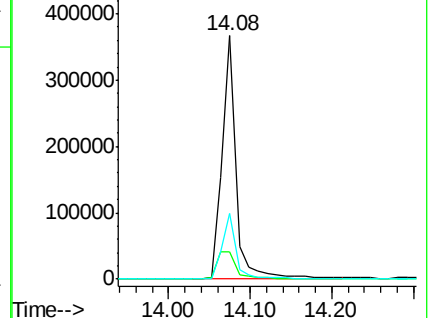
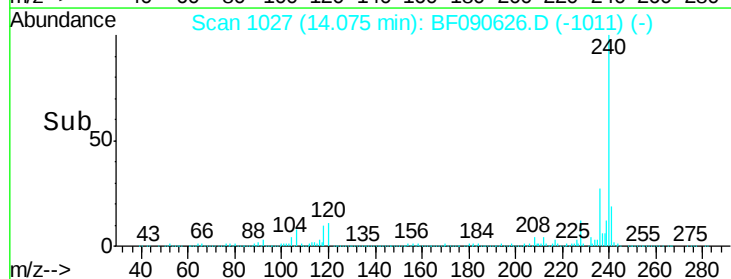
236 26.8 21.7 32.5

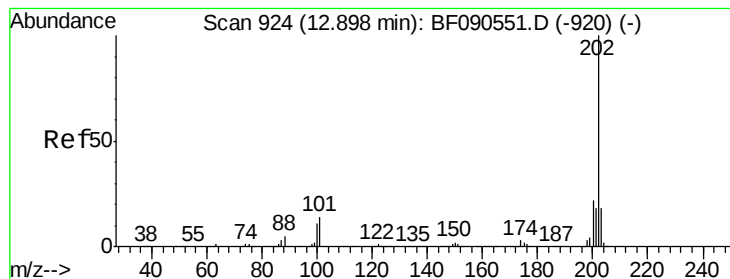


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 10.38 ng

RT: 12.88 min Scan# 922

Delta R.T. -0.01 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Instrument :

BNA_F

ClientSampleId :

1

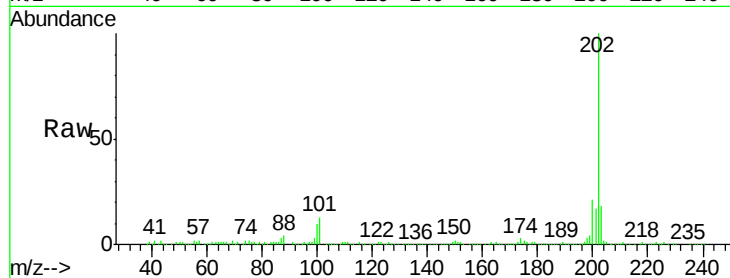
Tgt Ion:202 Resp: 298697

Ion Ratio Lower Upper

202 100

200 21.4 17.8 26.6

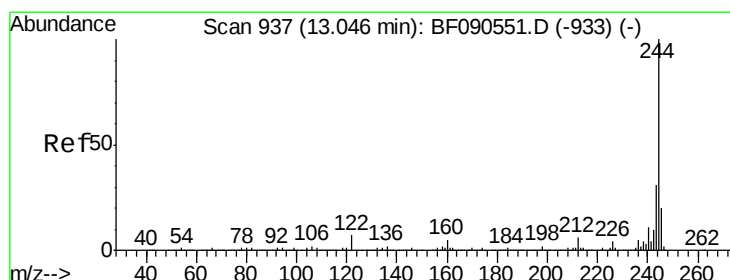
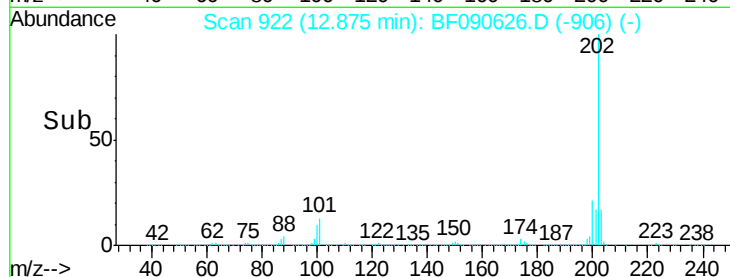
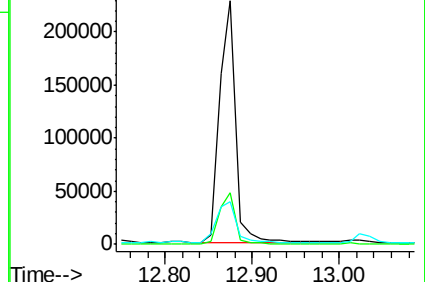
203 17.7 14.6 21.8



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: 22.95 ng

RT: 13.01 min Scan# 934

Delta R.T. -0.02 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

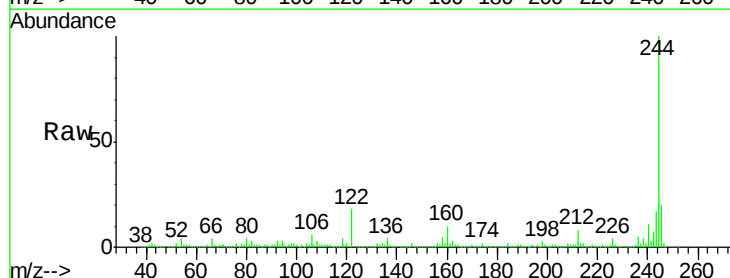
Tgt Ion:244 Resp: 428364

Ion Ratio Lower Upper

244 100

212 7.7 5.0 7.4#

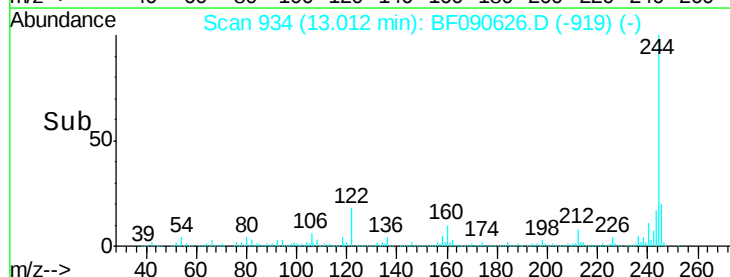
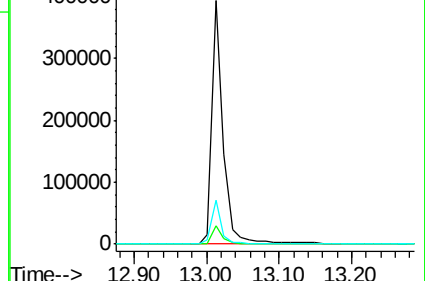
122 18.2 5.6 8.4#

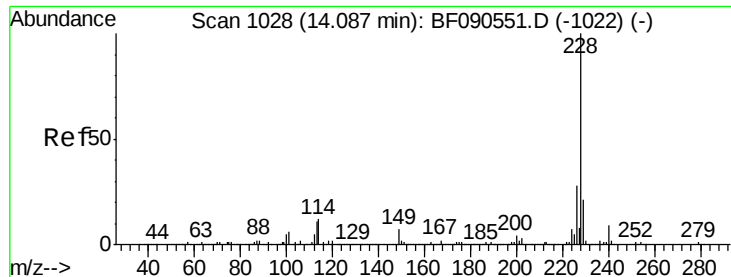


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 7.47 ng

RT: 14.06 min Scan# 1026

Delta R.T. -0.01 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

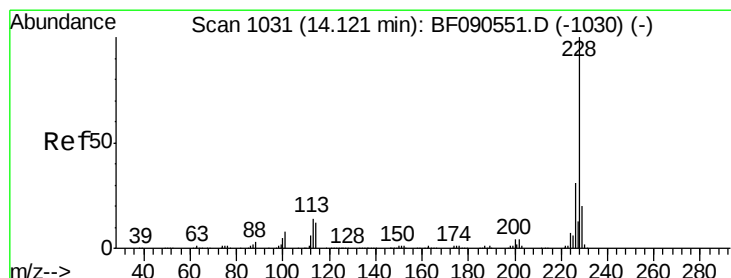
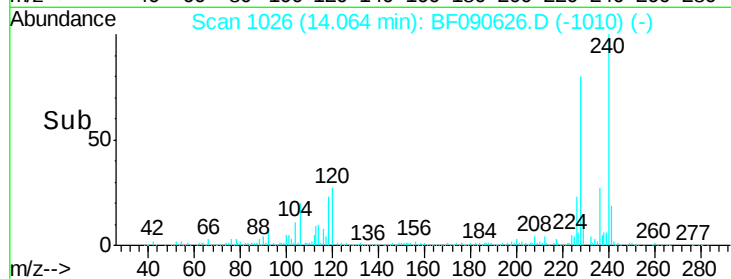
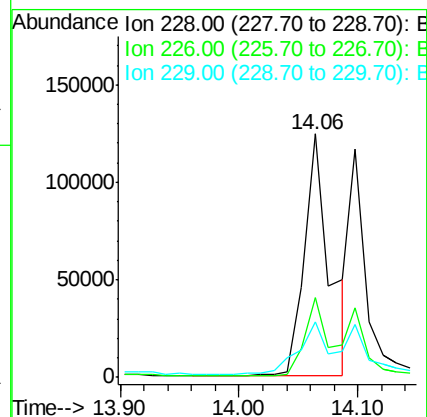
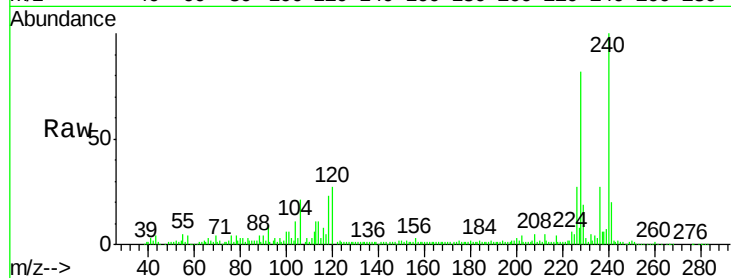
Instrument :

BNA_F

ClientSampled :

1

Tgt Ion:	228	Resp:	184683
Ion	Ratio	Lower	Upper
228	100		
226	33.0	22.8	34.2
229	22.7	16.6	25.0



#82

Chrysene

Concen: 7.75 ng

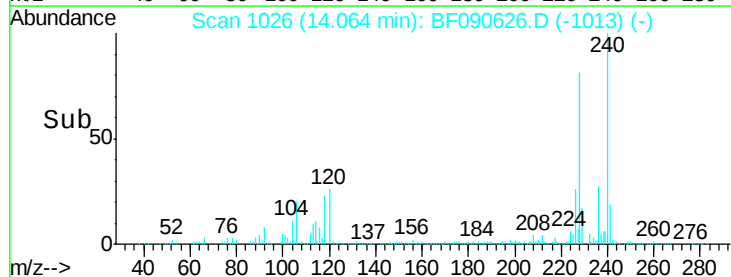
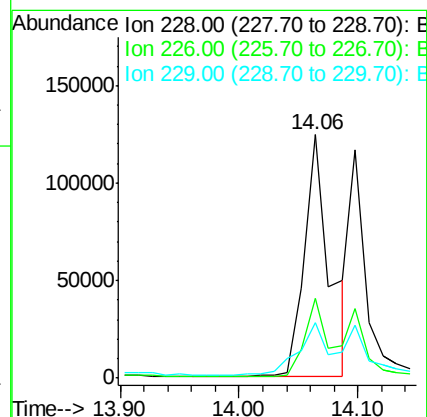
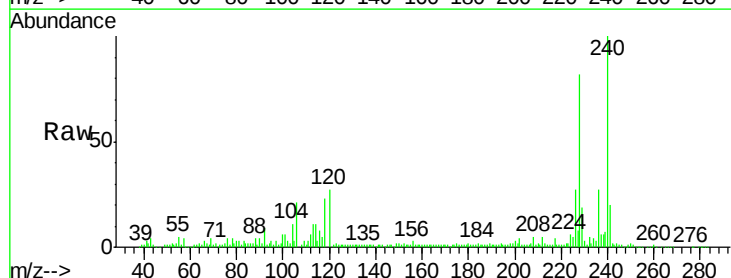
RT: 14.06 min Scan# 1026

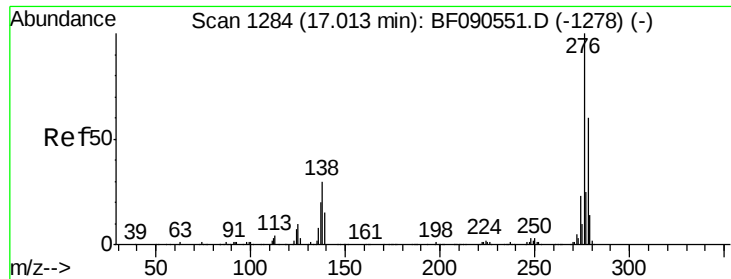
Delta R.T. -0.05 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Tgt Ion:	228	Resp:	184683
Ion	Ratio	Lower	Upper
228	100		
226	33.0	24.8	37.2
229	22.7	16.2	24.4

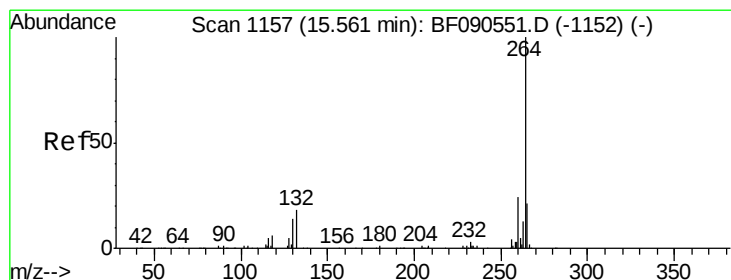
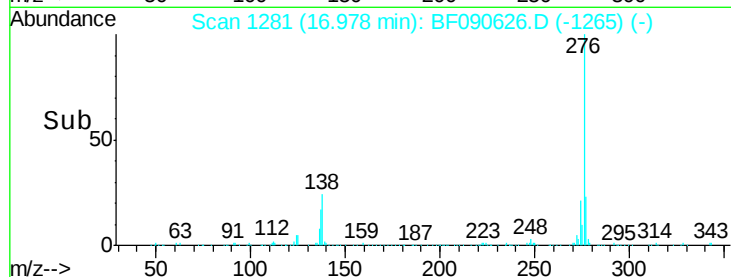
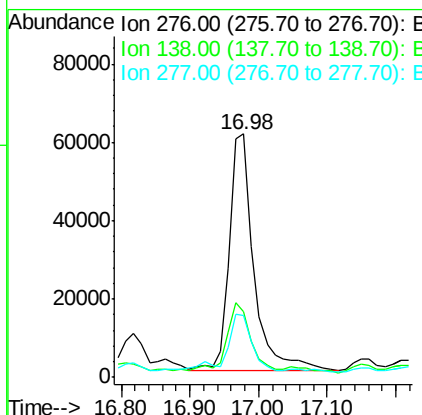
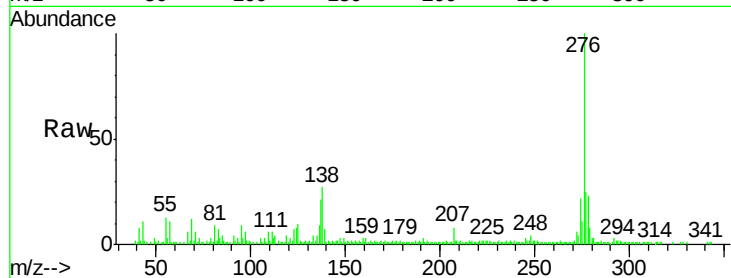




#85
Indeno(1,2,3-cd)pyrene
Concen: 10.96 ng
RT: 16.98 min Scan# 1281
Delta R.T. -0.01 min
Lab File: BF090626.D
Acq: 18 Oct 2016 11:42

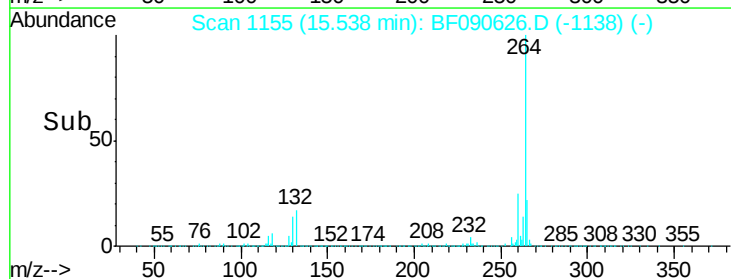
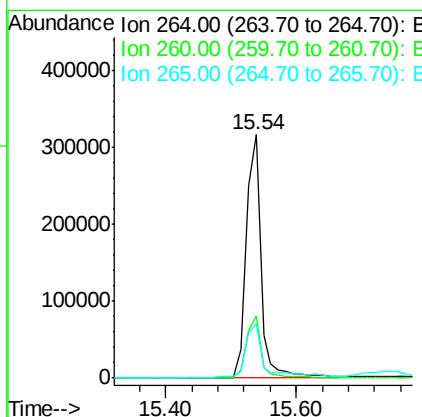
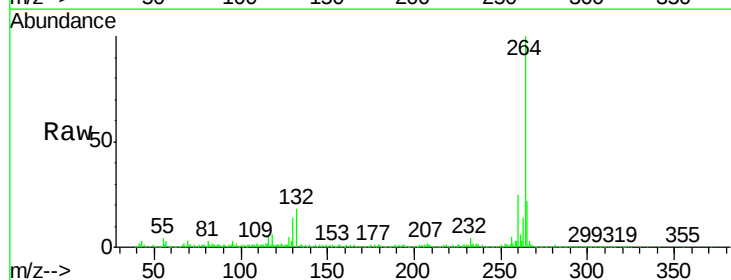
Instrument :
BNA_F
ClientSampleId :
1

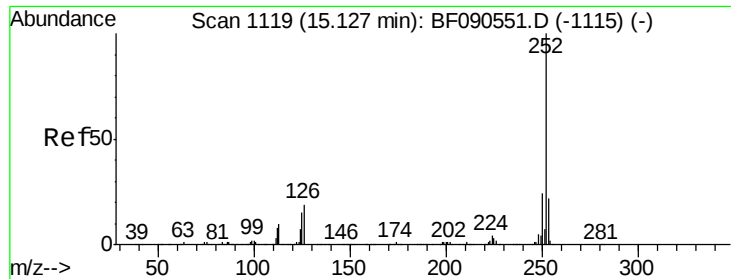
Tgt Ion	Ratio	Lower	Upper
276	100		
138	28.3	25.8	38.6
277	25.1	20.1	30.1



#86
Perylene-d12
Concen: 20.00 ng
RT: 15.54 min Scan# 1155
Delta R.T. -0.00 min
Lab File: BF090626.D
Acq: 18 Oct 2016 11:42

Tgt Ion	Ratio	Lower	Upper
264	100		
260	25.4	19.3	28.9
265	22.2	16.7	25.1

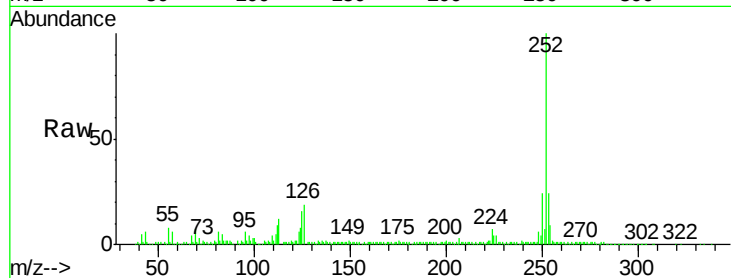




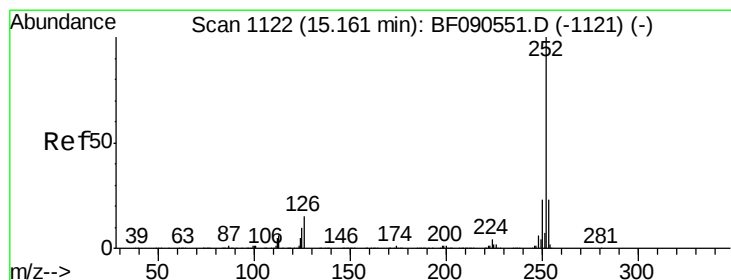
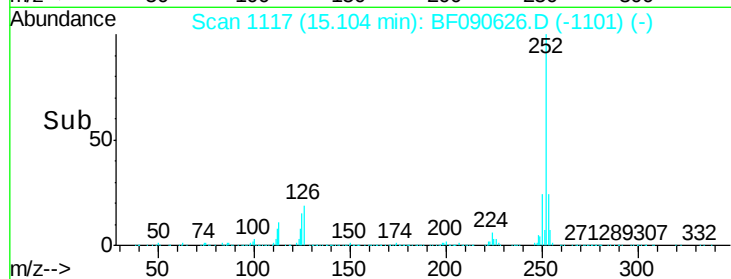
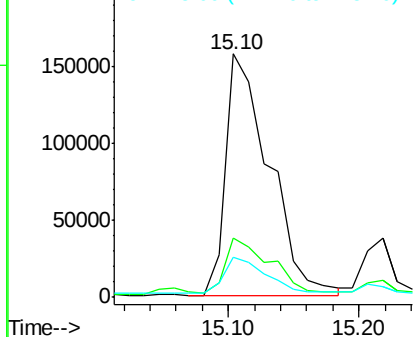
#87
Benzo(b)fluoranthene
Concen: 11.30 ng
RT: 15.10 min Scan# 1117
Delta R.T. -0.01 min
Lab File: BF090626.D
Acq: 18 Oct 2016 11:42

Instrument :
BNA_F
ClientSampleId :
1

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	17.8	26.8
125	16.4	12.0	18.0

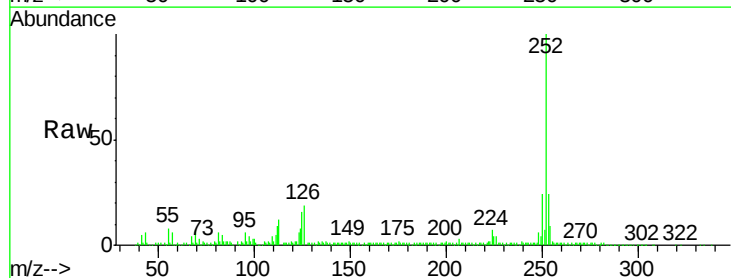


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

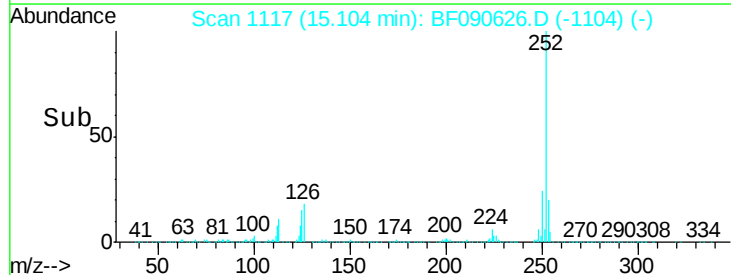
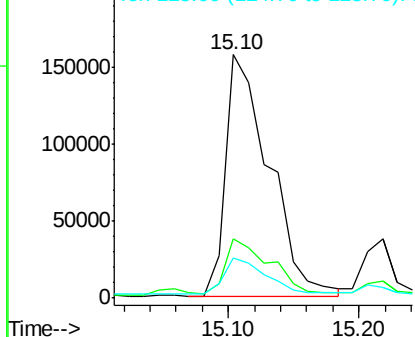


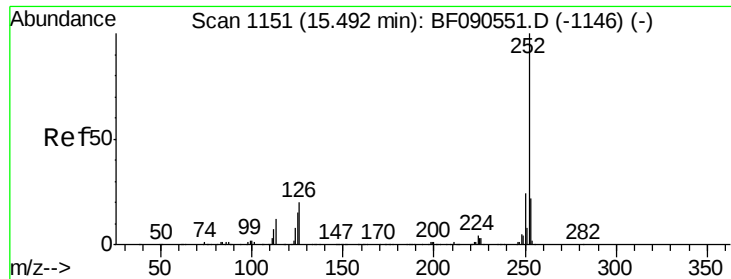
#88
Benzo(k)fluoranthene
Concen: 10.50 ng
RT: 15.10 min Scan# 1117
Delta R.T. -0.05 min
Lab File: BF090626.D
Acq: 18 Oct 2016 11:42

Tgt Ion	Ratio	Lower	Upper
252	100		
253	24.4	18.0	27.0
125	16.4	10.0	15.0



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: 7.37 ng

RT: 15.47 min Scan# 1149

Delta R.T. -0.01 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

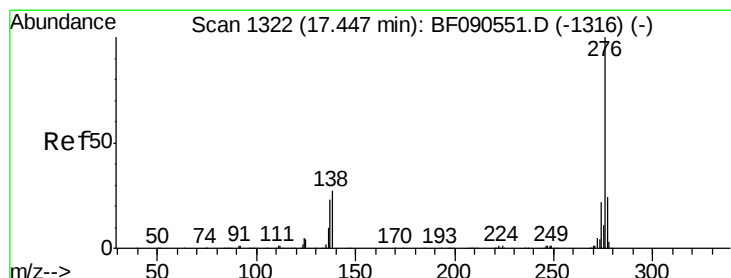
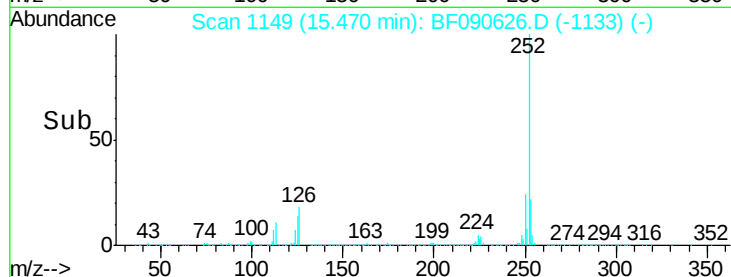
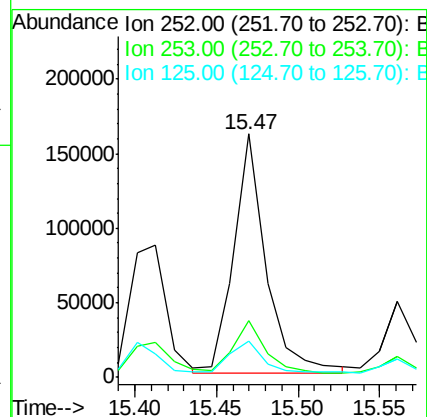
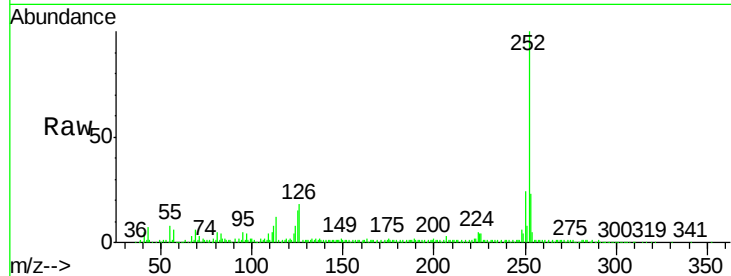
Instrument :

BNA_F

ClientSampleId :

1

Tgt Ion:	252	Resp:	218239
Ion	Ratio	Lower	Upper
252	100		
253	23.4	17.9	26.9
125	15.1	12.3	18.5



#91

Benzo(g,h,i)perylene

Concen: 6.65 ng

RT: 17.41 min Scan# 1319

Delta R.T. -0.01 min

Lab File: BF090626.D

Acq: 18 Oct 2016 11:42

Tgt Ion:	276	Resp:	143041
Ion	Ratio	Lower	Upper
276	100		
277	24.0	18.8	28.2
138	26.9	21.8	32.8

