

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF102816\
 Data File : BF090904.D
 Acq On : 28 Oct 2016 12:33
 Operator : UM/SJ
 Sample : H5411-04 10X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-0-2.0

Quant Time: Oct 28 13:24:29 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 27 18:46:43 2016
 Response via : Initial Calibration

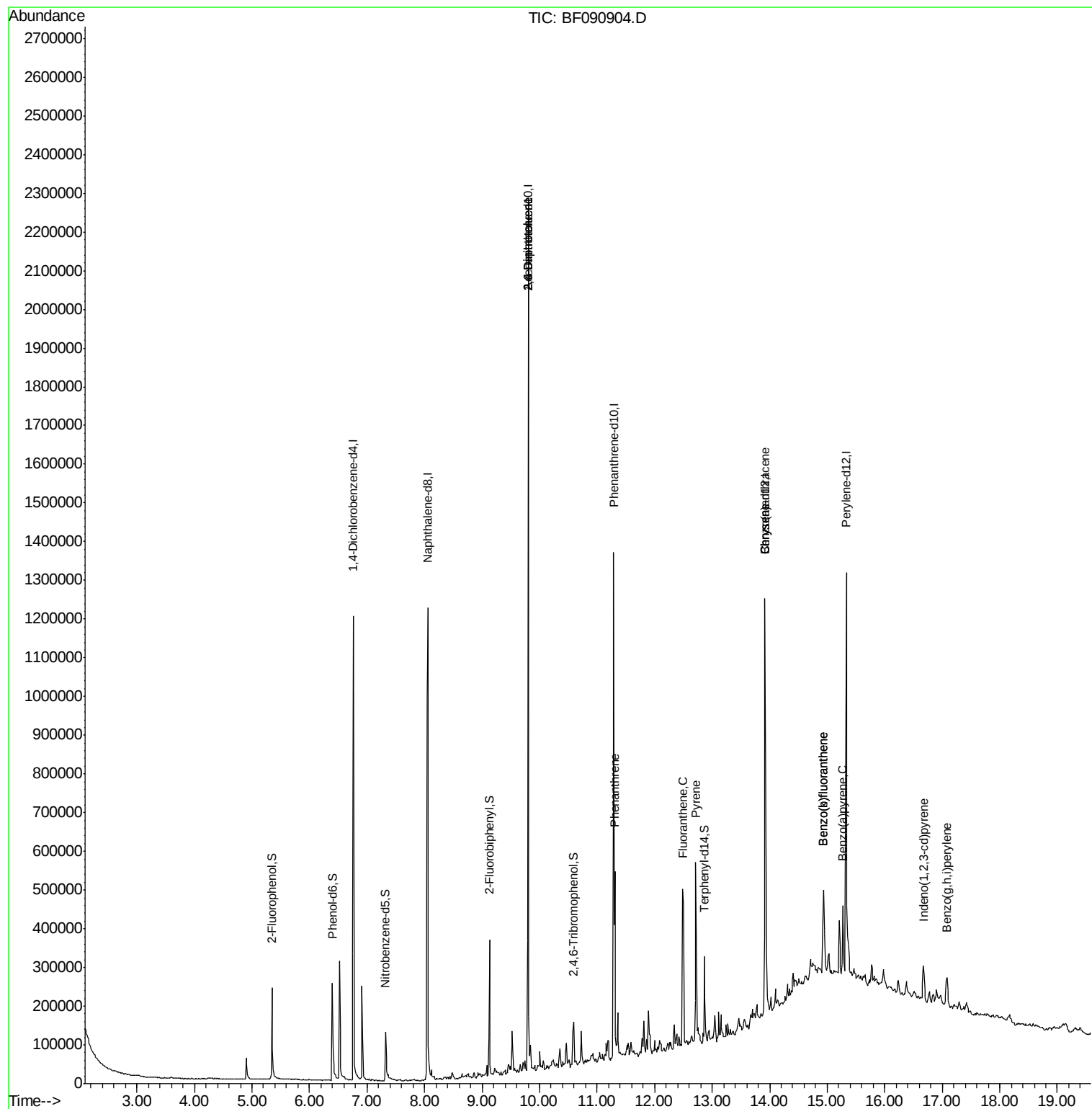
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.76	152	199937	20.00	ng	-0.01
21) Naphthalene-d8	8.05	136	804734	20.00	ng	-0.01
38) Acenaphthene-d10	9.80	164	427039	20.00	ng	-0.02
63) Phenanthrene-d10	11.29	188	566360	20.00	ng	-0.02
75) Chrysene-d12	13.92	240	392099	20.00	ng	-0.03
86) Perylene-d12	15.33	264	451696	20.00	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.34	112	83700	7.32	ng	-0.02
7) Phenol-d6	6.40	99	128656	8.34	ng	-0.02
23) Nitrobenzene-d5	7.32	82	74787	6.08	ng	-0.03
41) 2,4,6-Tribromophenol	10.59	330	13954	3.18	ng	-0.02
44) 2-Fluorobiphenyl	9.13	172	117572	4.83	ng	-0.02
78) Terphenyl-d14	12.87	244	64416	4.14	ng	-0.03
Target Compounds						Qvalue
50) 2,6-Dinitrotoluene	9.80	165	56705	9.00	ng	# 38
56) 2,4-Dinitrotoluene	9.80	165	56926	7.27	ng	# 33
70) Phenanthrene	11.31	178	216557	7.51	ng	97
74) Fluoranthene	12.50	202	228869	7.25	ng	90
77) Pyrene	12.72	202	208882	8.42	ng	93
80) Benzo(a)anthracene	13.92	228	100372	4.82	ng	93
82) Chrysene	13.92	228	100372	4.77	ng	95
85) Indeno(1,2,3-cd)pyrene	16.67	276	59921	3.21	ng	# 89
87) Benzo(b)fluoranthene	14.93	252	149102	4.91	ng	# 92
88) Benzo(k)fluoranthene	14.93	252	149102	6.21	ng	93
89) Benzo(a)pyrene	15.27	252	96681	3.70	ng	93
91) Benzo(g,h,i)perylene	17.08	276	59920	2.88	ng	# 83

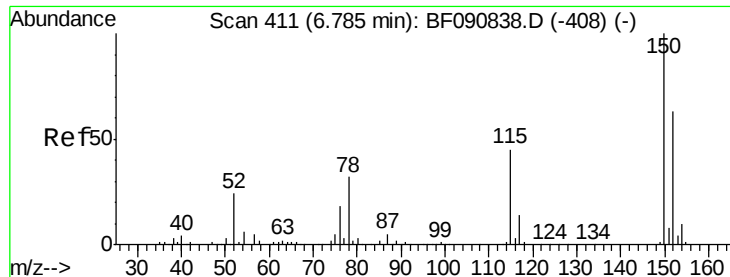
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.76 min Scan# 409

Delta R.T. -0.01 min

Lab File: BF090904.D

Acq: 28 Oct 2016 12:33

Instrument :

BNA_F

ClientSampleId :

SB-02-0-2.0

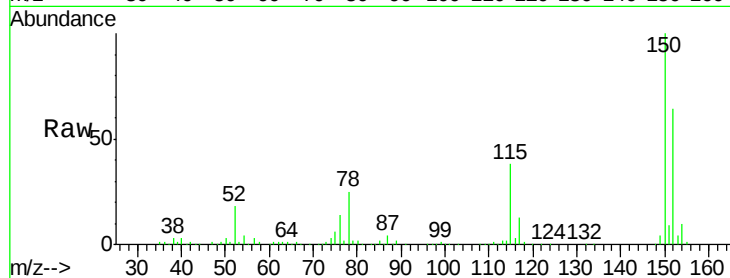
Tgt Ion:152 Resp: 199937

Ion Ratio Lower Upper

152 100

150 156.5 124.7 187.1

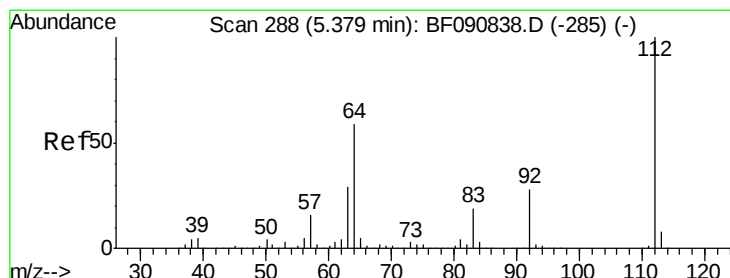
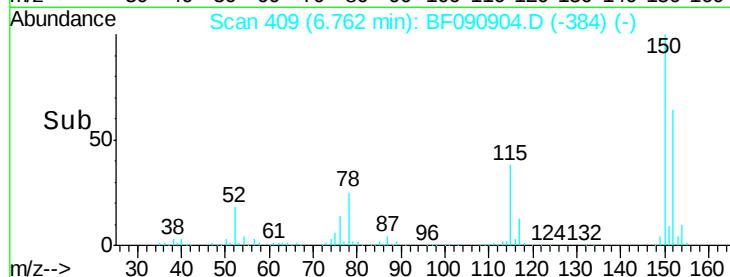
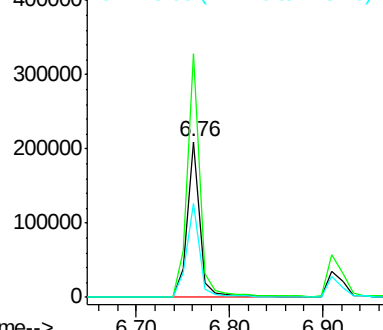
115 60.2 39.0 58.4#



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: 7.32 ng

RT: 5.34 min Scan# 285

Delta R.T. -0.02 min

Lab File: BF090904.D

Acq: 28 Oct 2016 12:33

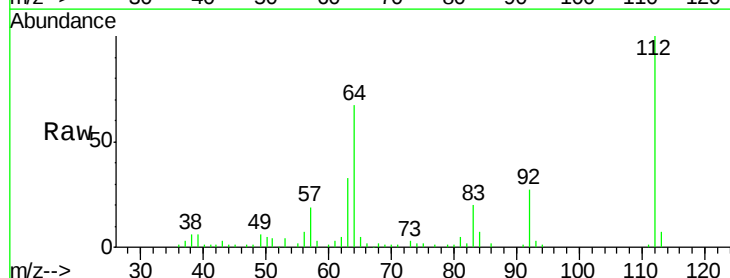
Tgt Ion:112 Resp: 83700

Ion Ratio Lower Upper

112 100

64 66.6 39.7 59.5#

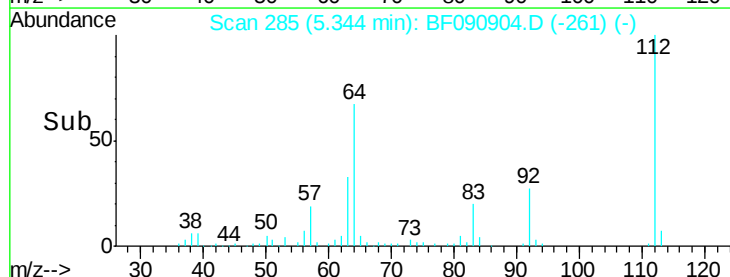
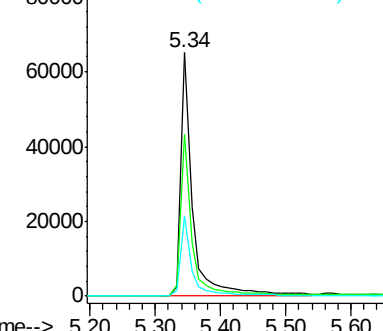
63 32.7 17.4 26.0#

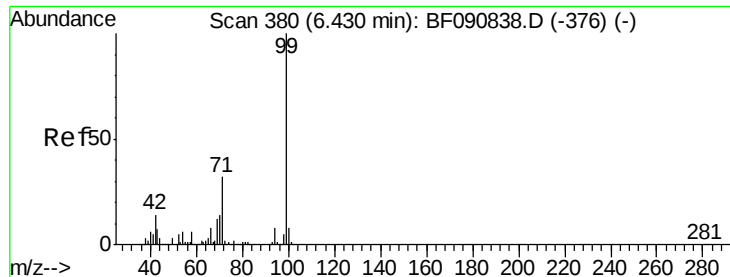


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 8.34 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.02 min

Lab File: BF090904.D

Acq: 28 Oct 2016 12:33

Instrument :

BNA_F

ClientSampleId :

SB-02-0-2.0

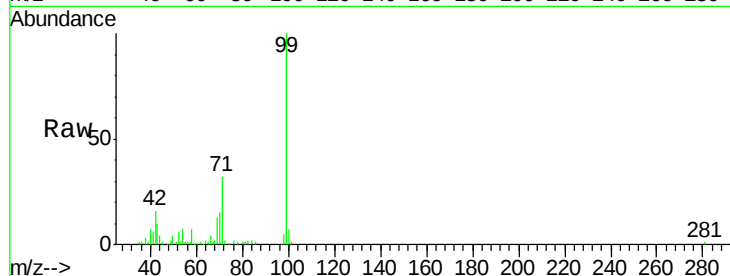
Tgt Ion: 99 Resp: 128656

Ion Ratio Lower Upper

99 100

42 16.3 13.7 20.5

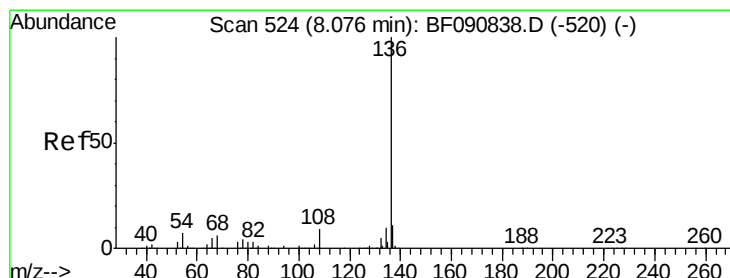
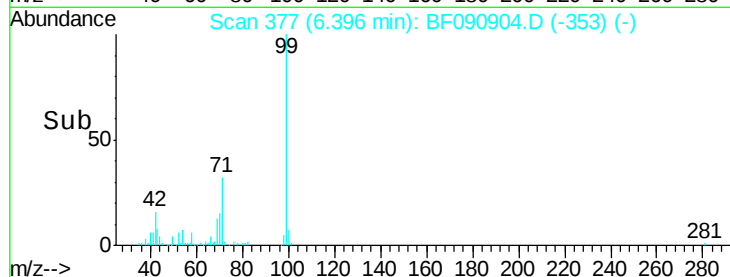
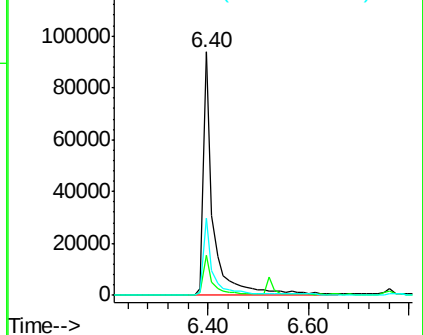
71 31.9 14.2 21.2#



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.05 min Scan# 522

Delta R.T. -0.01 min

Lab File: BF090904.D

Acq: 28 Oct 2016 12:33

Tgt Ion: 136 Resp: 804734

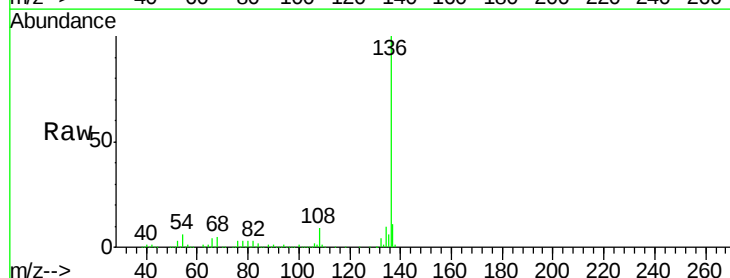
Ion Ratio Lower Upper

136 100

137 10.6 9.0 13.6

54 5.8 8.2 12.2#

68 5.4 5.8 8.6#

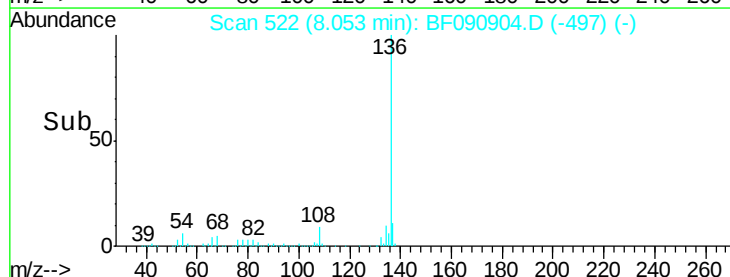
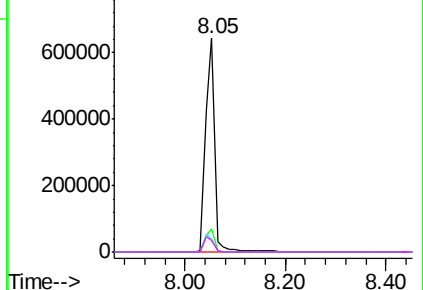


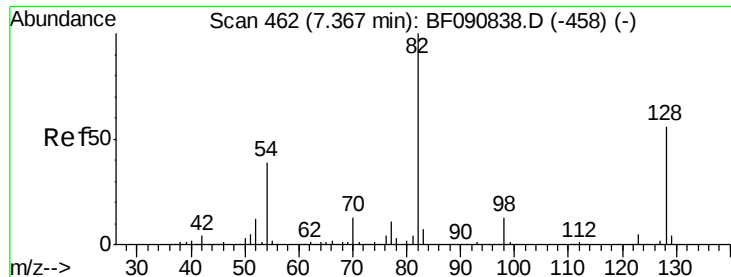
Abundance Ion 136.00 (135.70 to 136.70): E

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

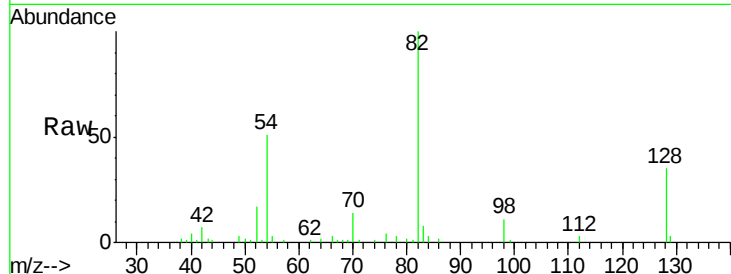




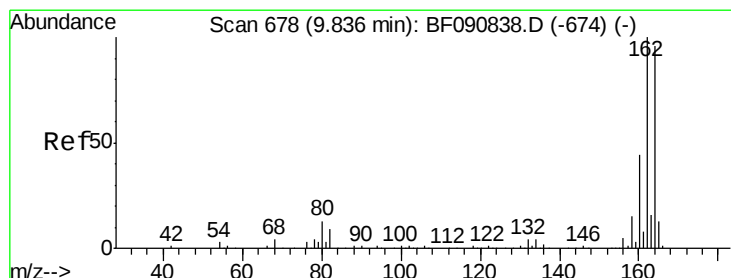
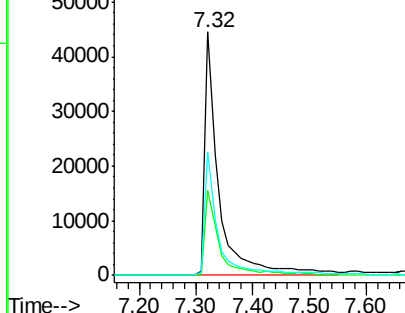
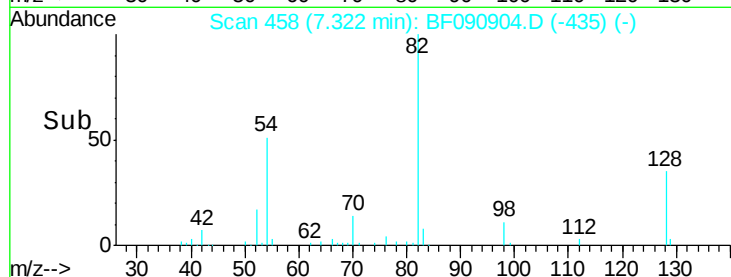
#23
 Nitrobenzene-d5
 Concen: 6.08 ng
 RT: 7.32 min Scan# 458
 Delta R.T. -0.03 min
 Lab File: BF090904.D
 Acq: 28 Oct 2016 12:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-0-2.0

Tgt Ion: 82 Resp: 74787
 Ion Ratio Lower Upper
 82 100
 128 35.1 51.0 76.6#
 54 50.8 47.5 71.3

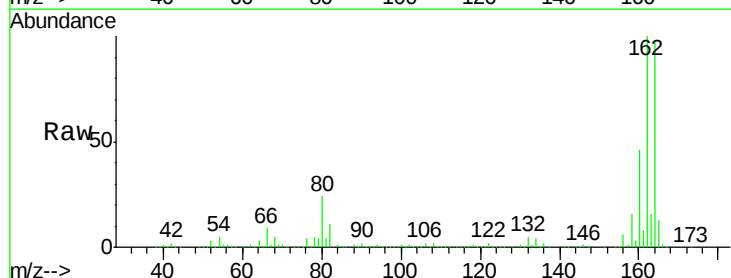


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

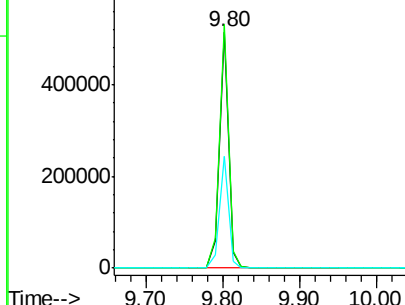
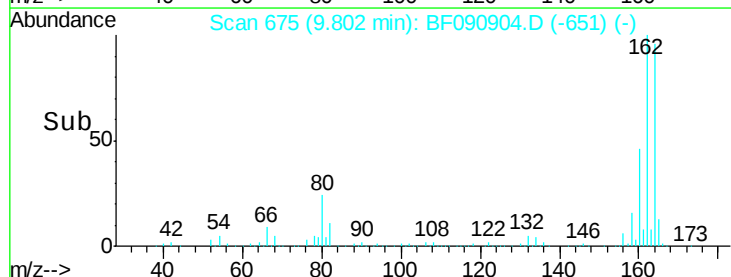


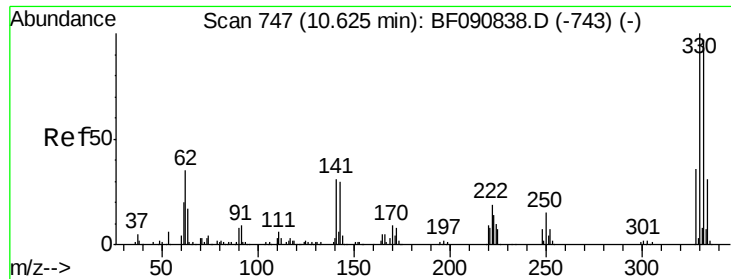
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.02 min
 Lab File: BF090904.D
 Acq: 28 Oct 2016 12:33

Tgt Ion: 164 Resp: 427039
 Ion Ratio Lower Upper
 164 100
 162 103.0 75.2 112.8
 160 47.4 31.5 47.3#



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

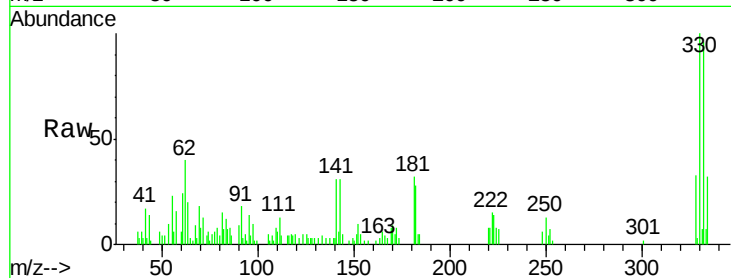




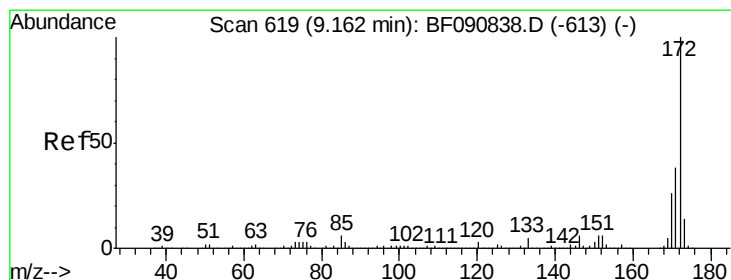
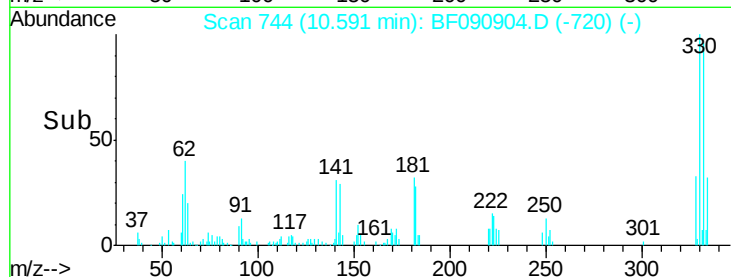
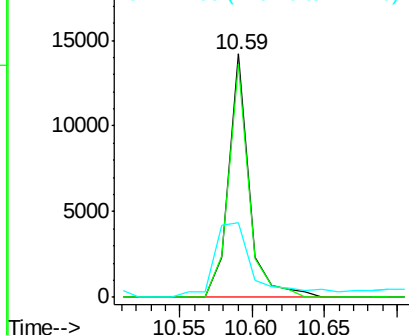
#41
 2,4,6-Tribromophenol
 Concen: 3.18 ng
 RT: 10.59 min Scan# 744
 Delta R.T. -0.02 min
 Lab File: BF090904.D
 Acq: 28 Oct 2016 12:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-0-2.0

Tgt Ion:330 Resp: 13954
 Ion Ratio Lower Upper
 330 100
 332 95.3 76.6 114.8
 141 65.7 29.7 44.5#

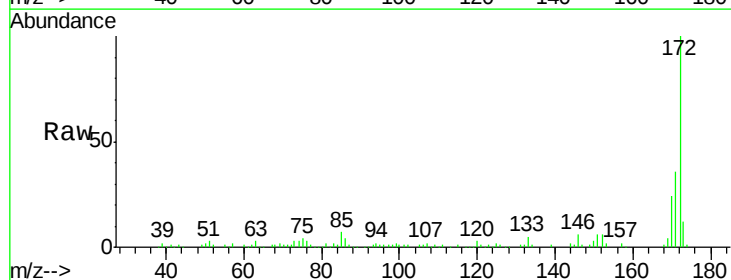


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

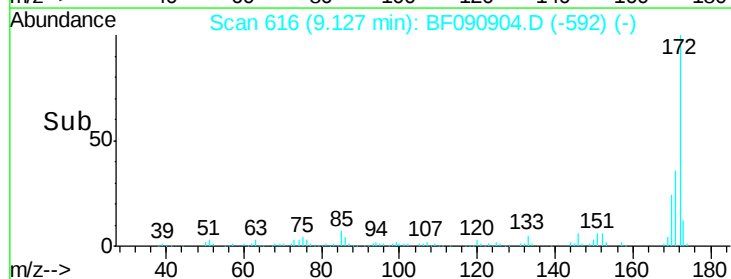
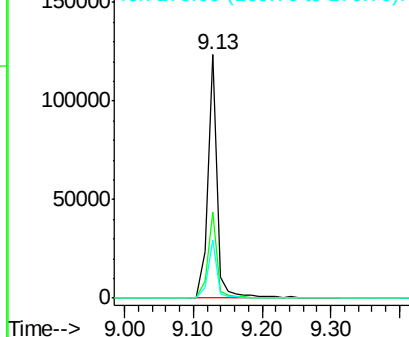


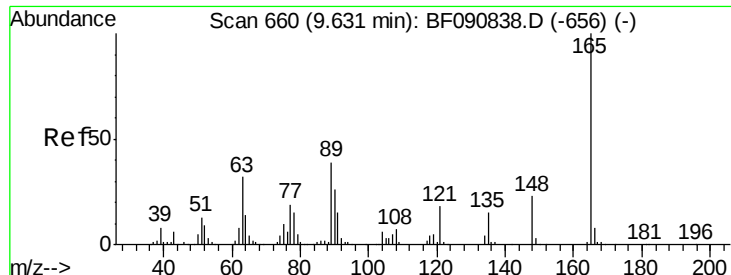
#44
 2-Fluorobiphenyl
 Concen: 4.83 ng
 RT: 9.13 min Scan# 616
 Delta R.T. -0.02 min
 Lab File: BF090904.D
 Acq: 28 Oct 2016 12:33

Tgt Ion:172 Resp: 117572
 Ion Ratio Lower Upper
 172 100
 171 35.5 26.1 39.1
 170 23.8 17.4 26.2



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

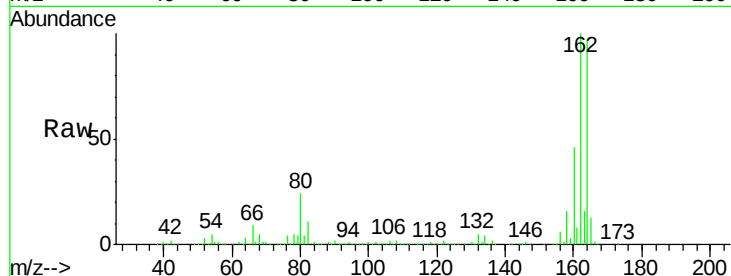




#50
 2,6-Dinitrotoluene
 Concen: 9.00 ng
 RT: 9.80 min Scan# 675
 Delta R.T. 0.18 min
 Lab File: BF090904.D
 Acq: 28 Oct 2016 12:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-02-0-2.0

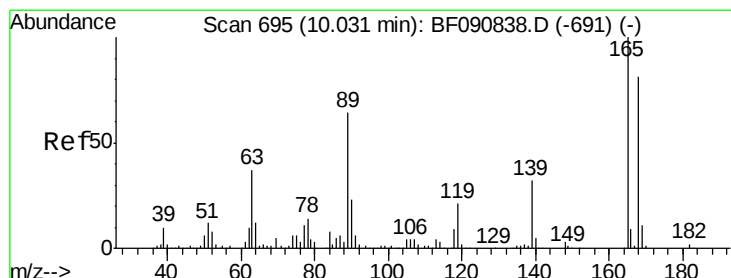
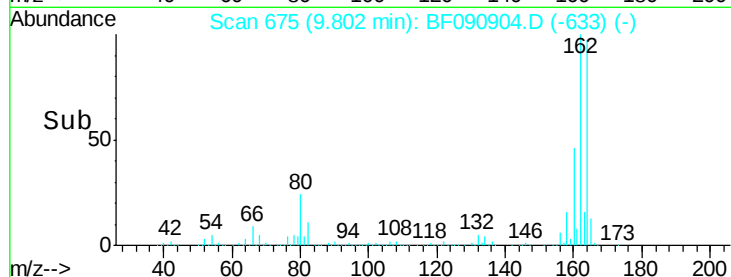
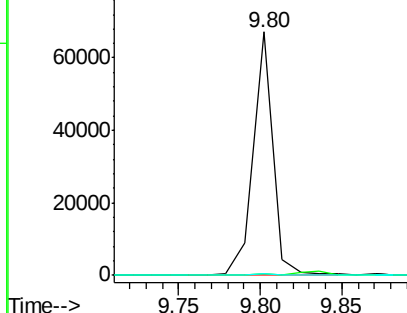
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	32.3	48.5#
89	0.9	28.6	43.0#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56
 2,4-Dinitrotoluene
 Concen: 7.27 ng
 RT: 9.80 min Scan# 675
 Delta R.T. -0.22 min
 Lab File: BF090904.D
 Acq: 28 Oct 2016 12:33

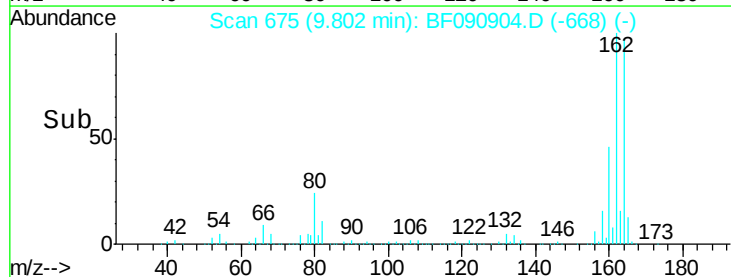
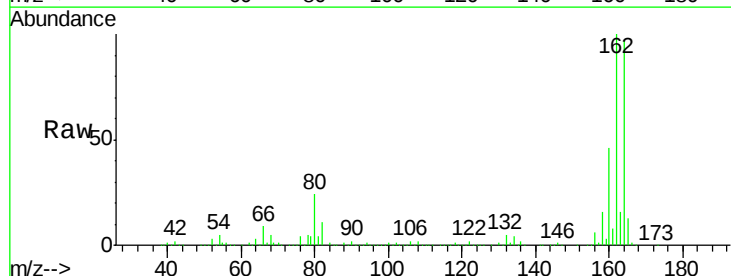
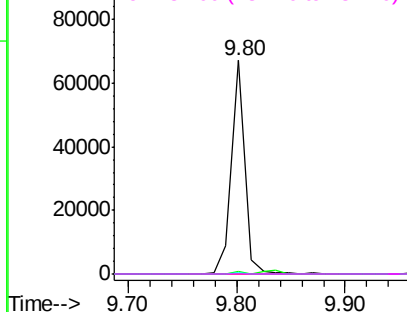
Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.0	29.8	44.6#
89	0.9	44.5	66.7#
182	0.0	3.0	4.4#

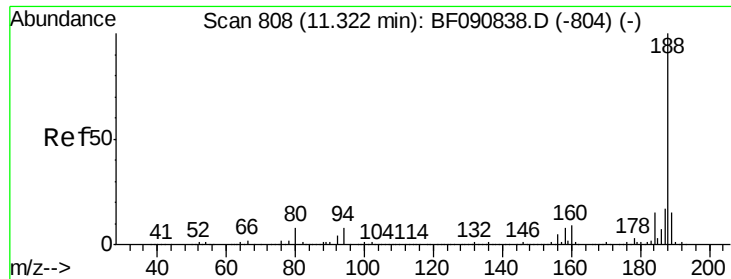
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E

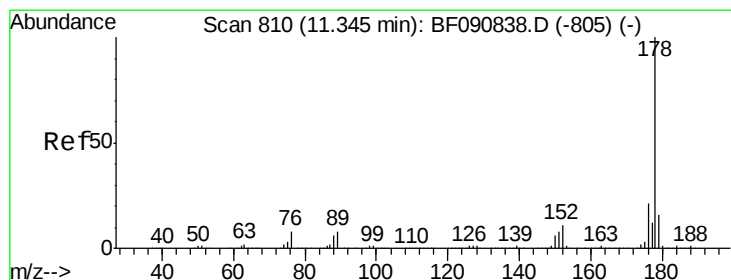
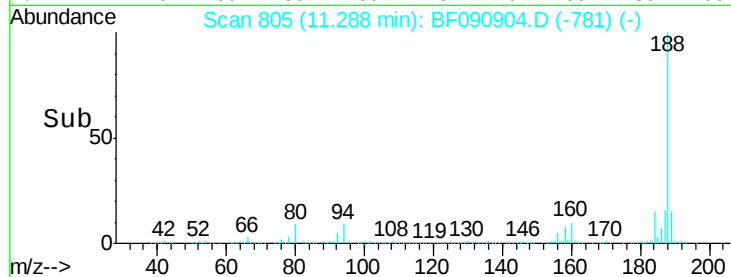
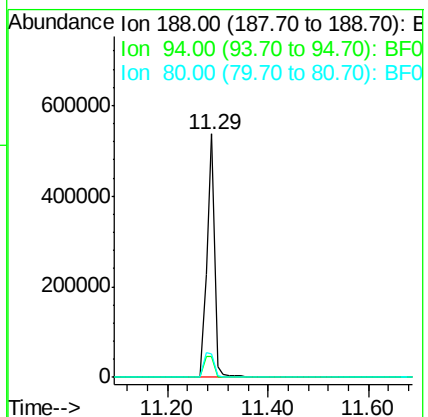
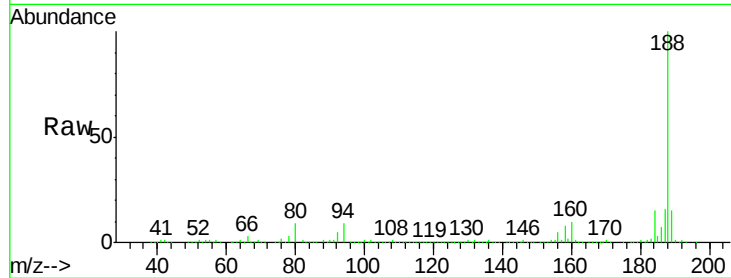




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.29 min Scan# 805
Delta R.T. -0.02 min
Lab File: BF090904.D
Acq: 28 Oct 2016 12:33

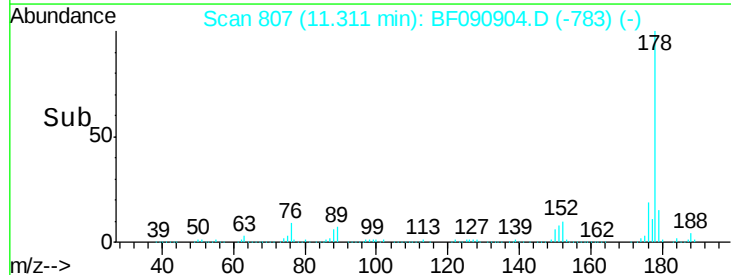
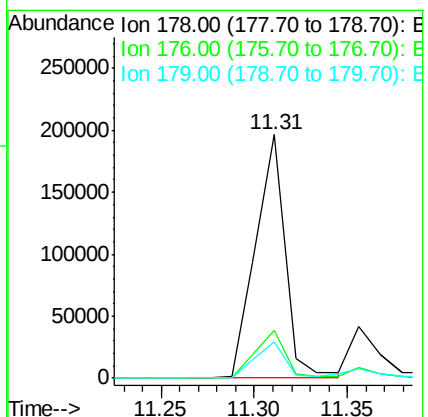
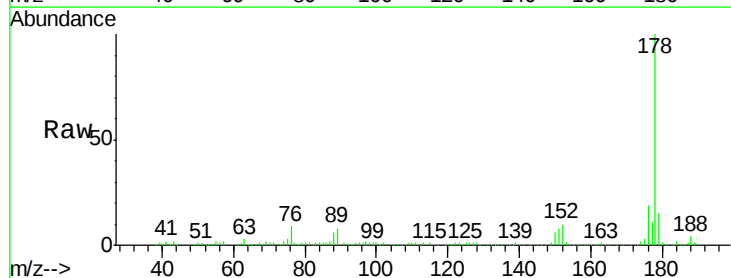
Instrument :
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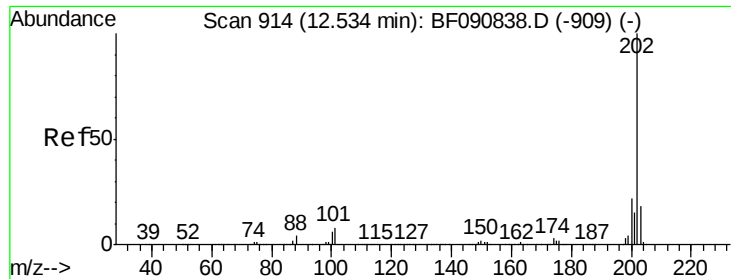
Tgt Ion:188 Resp: 566360
Ion Ratio Lower Upper
188 100
94 8.8 11.1 16.7#
80 9.4 11.0 16.4#



#70
Phenanthrene
Concen: 7.51 ng
RT: 11.31 min Scan# 807
Delta R.T. -0.02 min
Lab File: BF090904.D
Acq: 28 Oct 2016 12:33

Tgt Ion:178 Resp: 216557
Ion Ratio Lower Upper
178 100
176 19.4 13.8 20.8
179 15.1 12.2 18.2





#74

Fluoranthene

Concen: 7.25 ng

RT: 12.50 min Scan# 911

Delta R.T. -0.02 min

Lab File: BF090904.D

Acq: 28 Oct 2016 12:33

Instrument :

BNA_F

ClientSampleId :

SB-02-0-2.0

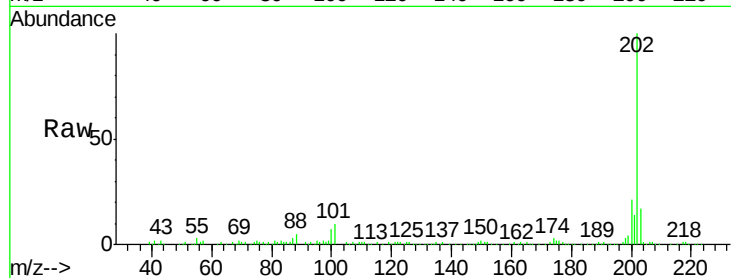
Tgt Ion:202 Resp: 228869

Ion Ratio Lower Upper

202 100

101 9.8 0.0 38.3

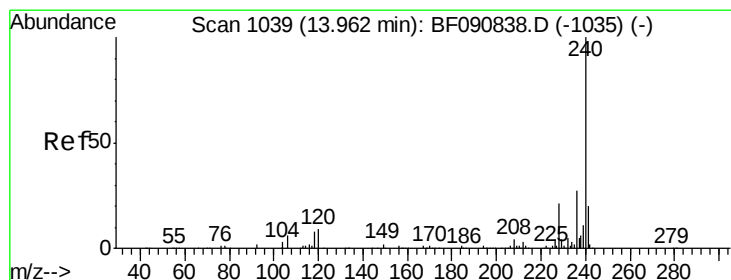
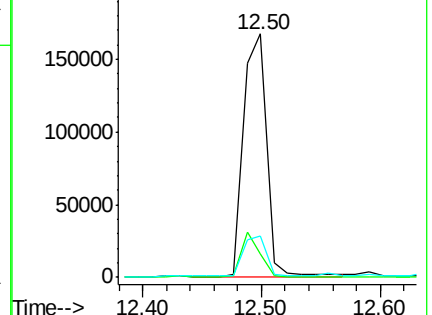
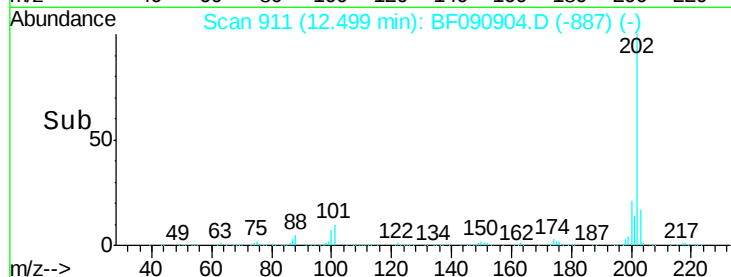
203 17.0 0.0 37.3



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: 13.92 min Scan# 1035

Delta R.T. -0.03 min

Lab File: BF090904.D

Acq: 28 Oct 2016 12:33

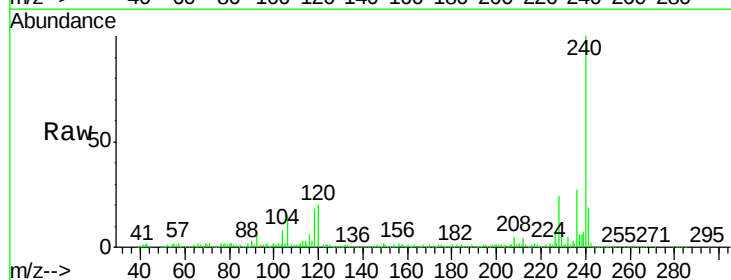
Tgt Ion:240 Resp: 392099

Ion Ratio Lower Upper

240 100

120 19.9 16.2 24.2

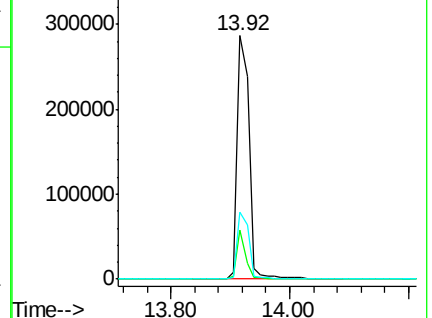
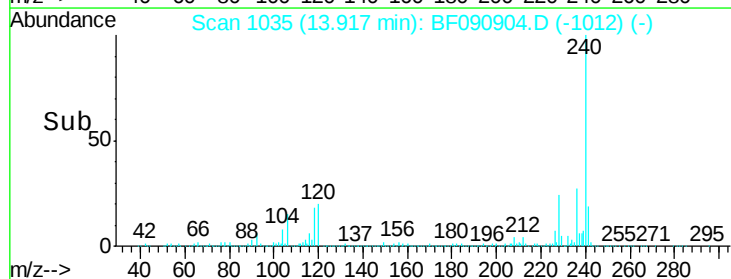
236 27.3 18.4 27.6

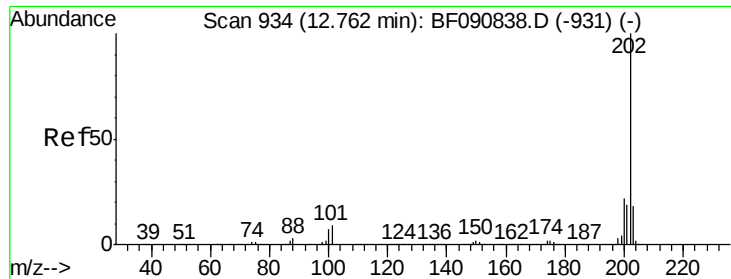


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 8.42 ng

RT: 12.72 min Scan# 930

Delta R.T. -0.03 min

Lab File: BF090904.D

Acq: 28 Oct 2016 12:33

Instrument :

BNA_F

ClientSampleId :

SB-02-0-2.0

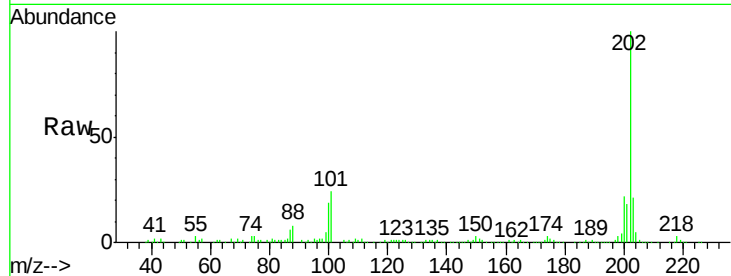
Tgt Ion:202 Resp: 208882

Ion Ratio Lower Upper

202 100

200 22.0 15.0 22.4

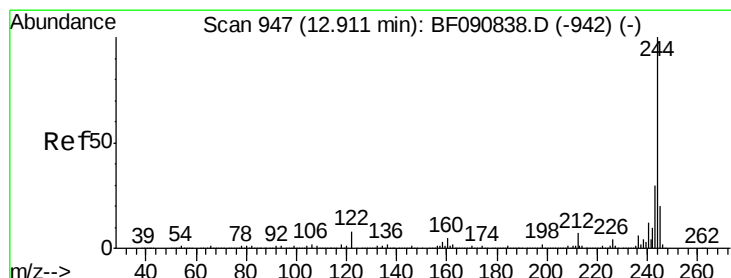
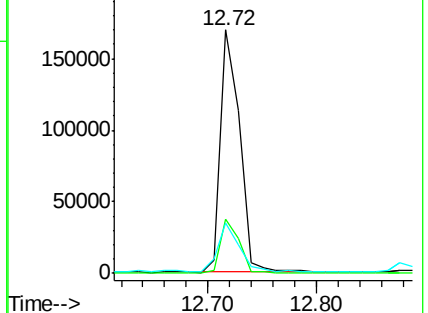
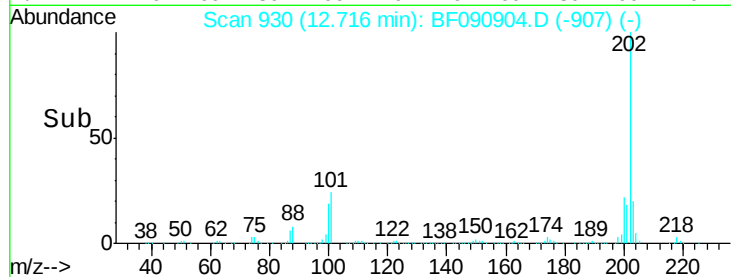
203 20.7 14.1 21.1



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: 4.14 ng

RT: 12.87 min Scan# 943

Delta R.T. -0.03 min

Lab File: BF090904.D

Acq: 28 Oct 2016 12:33

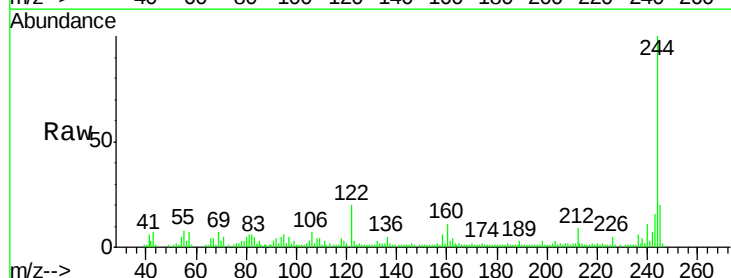
Tgt Ion:244 Resp: 64416

Ion Ratio Lower Upper

244 100

212 8.5 4.3 6.5#

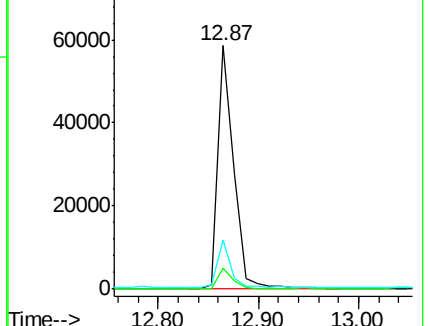
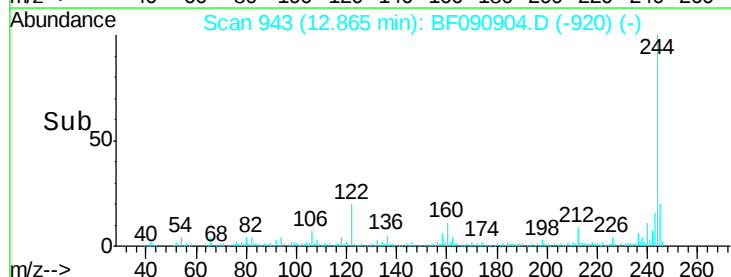
122 20.3 17.4 26.2

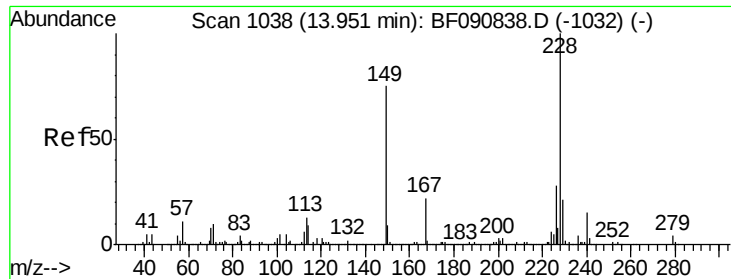


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.82 ng

RT: 13.92 min Scan# 1035

Delta R.T. -0.02 min

Lab File: BF090904.D

Acq: 28 Oct 2016 12:33

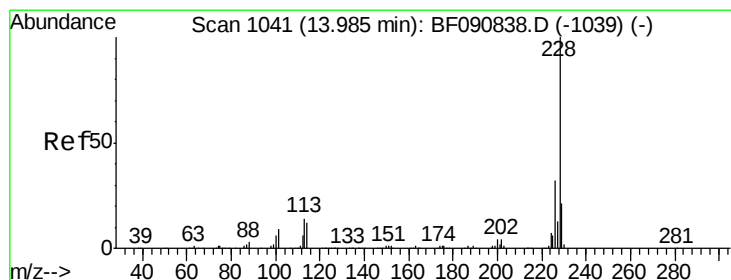
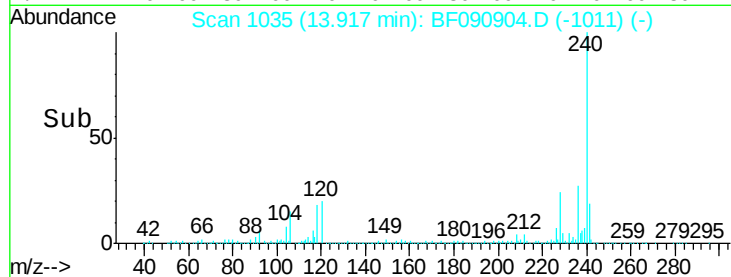
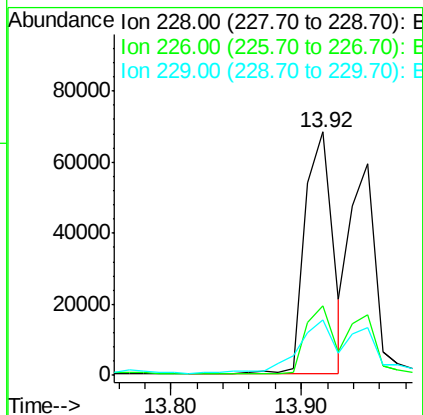
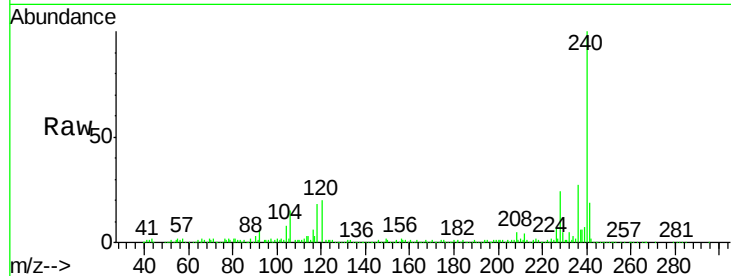
Instrument :

BNA_F

ClientSampleId :

SB-02-0-2.0

Tgt Ion:	228	Resp:	100372
Ion	Ratio	Lower	Upper
228	100		
226	28.4	20.0	30.0
229	22.6	15.4	23.2



#82

Chrysene

Concen: 4.77 ng

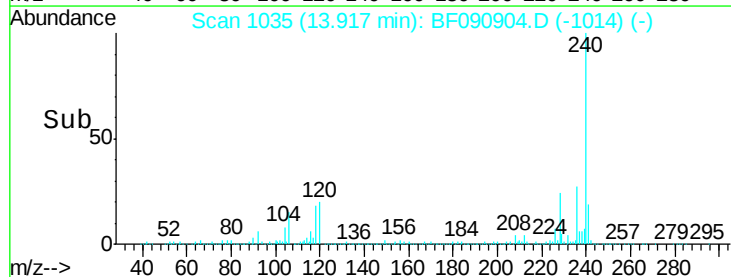
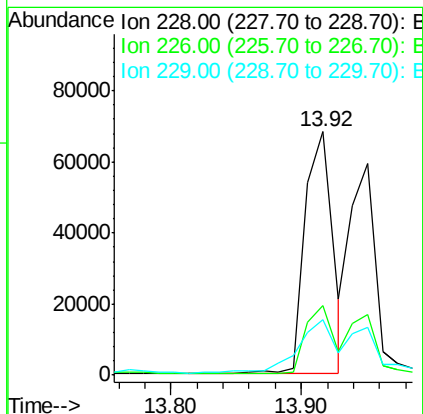
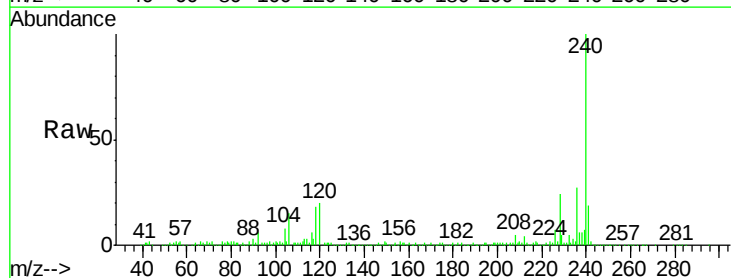
RT: 13.92 min Scan# 1035

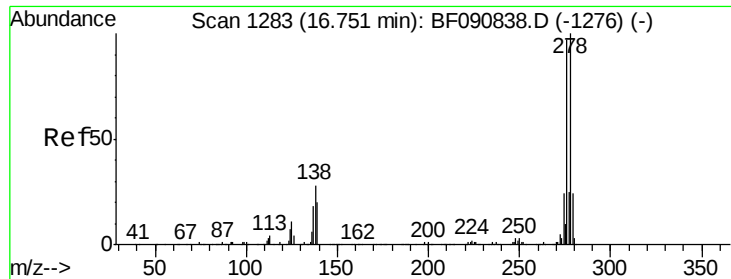
Delta R.T. -0.06 min

Lab File: BF090904.D

Acq: 28 Oct 2016 12:33

Tgt Ion:	228	Resp:	100372
Ion	Ratio	Lower	Upper
228	100		
226	28.4	21.0	31.4
229	22.6	15.6	23.4

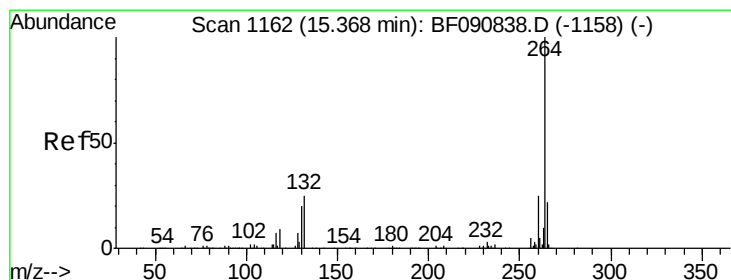
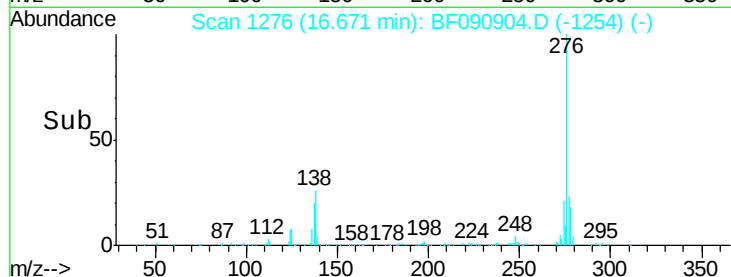
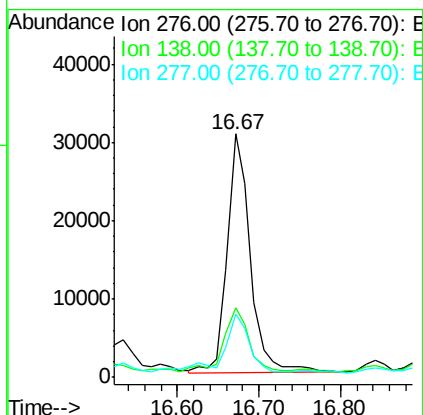
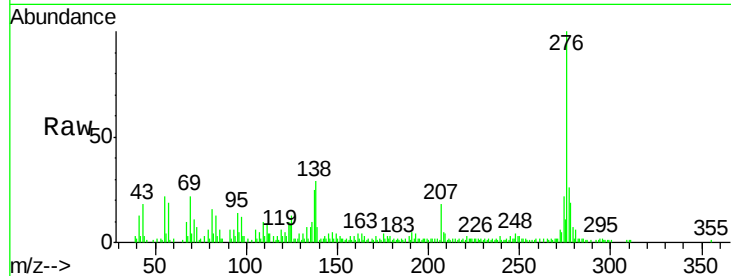




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 3.21 ng
 RT: 16.67 min Scan# 1276
 Delta R.T. -0.05 min
 Lab File: BF090904.D
 Acq: 28 Oct 2016 12:33

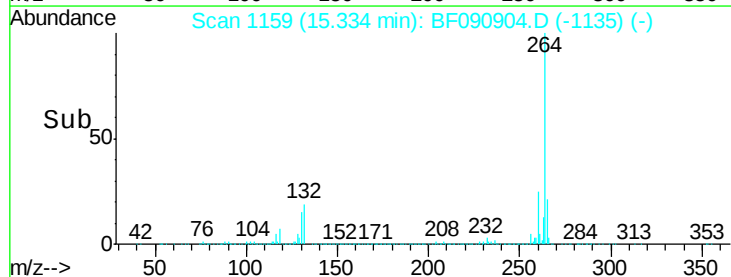
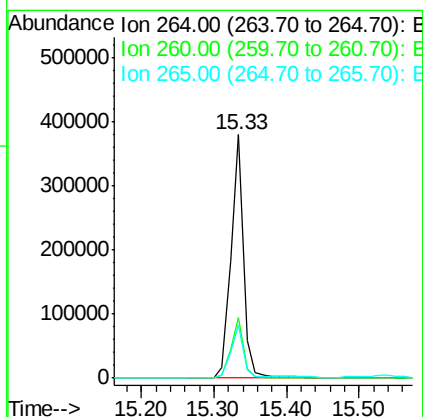
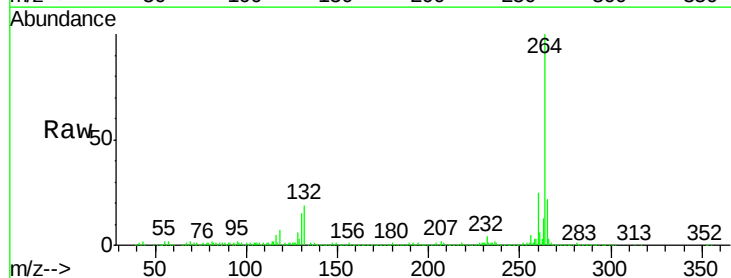
Instrument :
 BNA_F
 ClientSampleId :
 SB-02-0-2.0

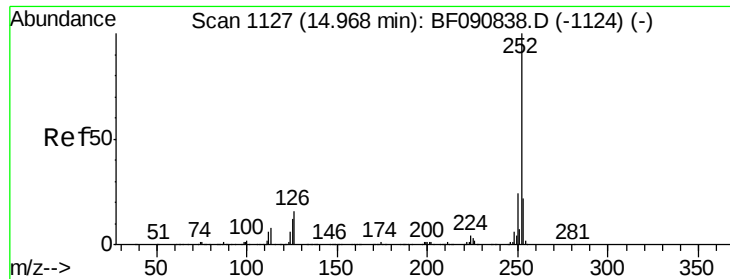
Tgt Ion:276 Resp: 59921
 Ion Ratio Lower Upper
 276 100
 138 28.1 25.7 38.5
 277 26.8 15.6 23.4#



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 15.33 min Scan# 1159
 Delta R.T. -0.02 min
 Lab File: BF090904.D
 Acq: 28 Oct 2016 12:33

Tgt Ion:264 Resp: 451696
 Ion Ratio Lower Upper
 264 100
 260 25.1 16.7 25.1#
 265 21.6 17.2 25.8

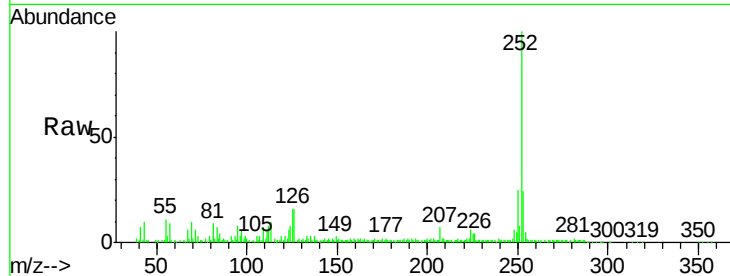




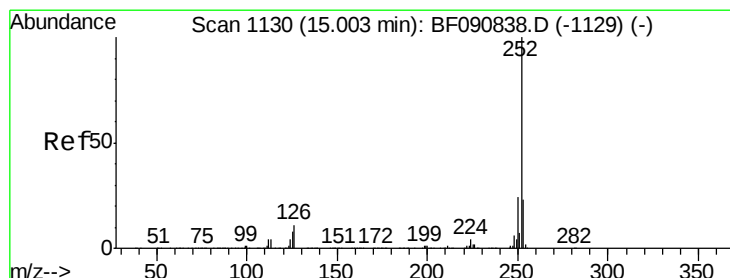
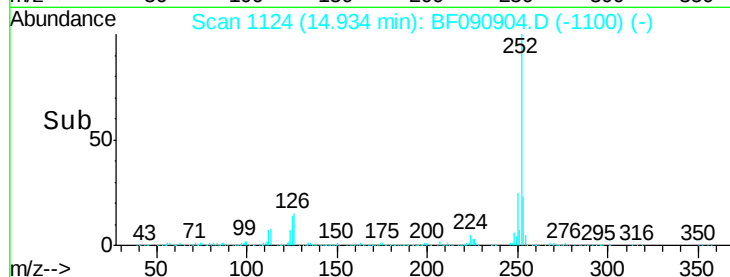
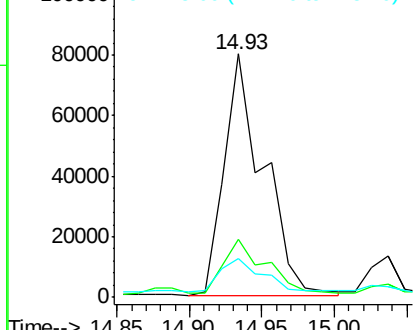
#87
Benzo(b)fluoranthene
Concen: 4.91 ng
RT: 14.93 min Scan# 1124
Delta R.T. -0.02 min
Lab File: BF090904.D
Acq: 28 Oct 2016 12:33

Instrument :
BNA_F
ClientSampled :
SB-02-0-2.0

Tgt Ion:252 Resp: 149102
Ion Ratio Lower Upper
252 100
253 23.7 17.5 26.3
125 16.1 17.1 25.7#

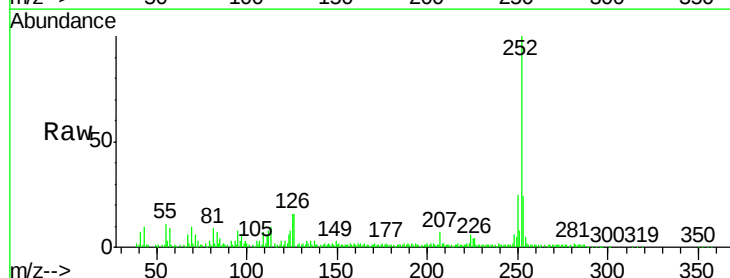


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

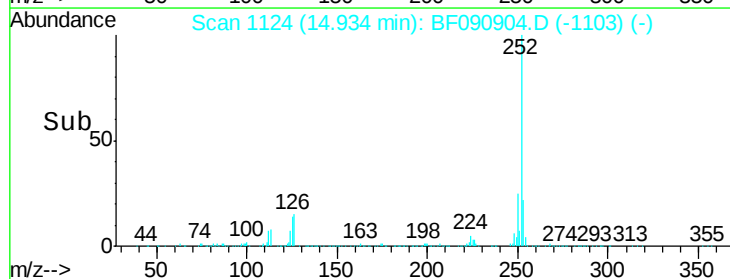
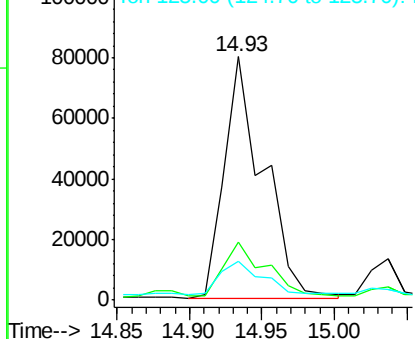


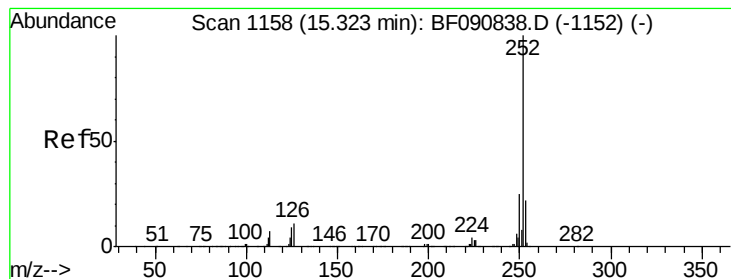
#88
Benzo(k)fluoranthene
Concen: 6.21 ng
RT: 14.93 min Scan# 1124
Delta R.T. -0.06 min
Lab File: BF090904.D
Acq: 28 Oct 2016 12:33

Tgt Ion:252 Resp: 149102
Ion Ratio Lower Upper
252 100
253 23.7 17.0 25.4
125 16.1 16.0 24.0



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: 3.70 ng

RT: 15.27 min Scan# 1153

Delta R.T. -0.03 min

Lab File: BF090904.D

Acq: 28 Oct 2016 12:33

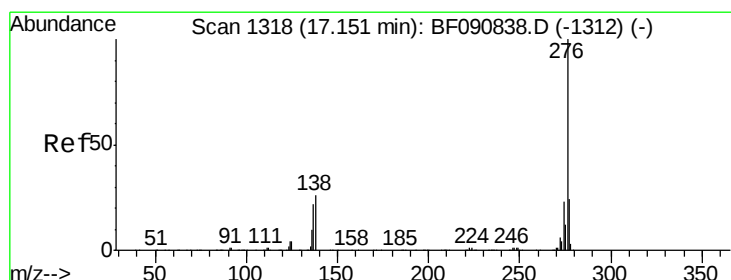
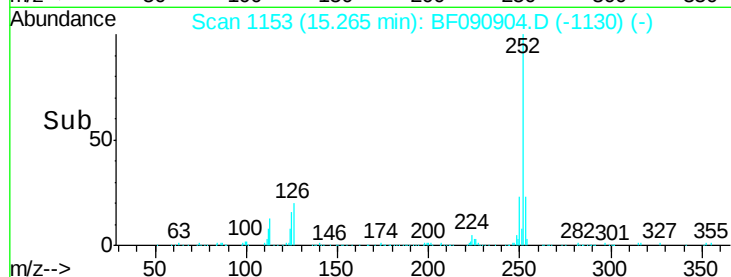
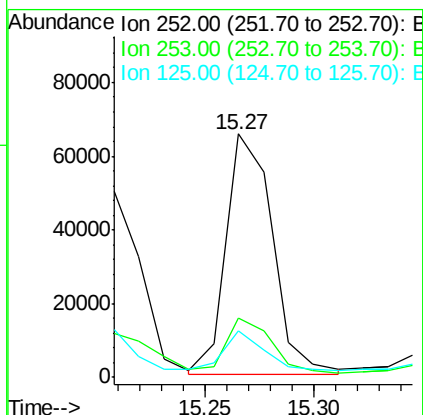
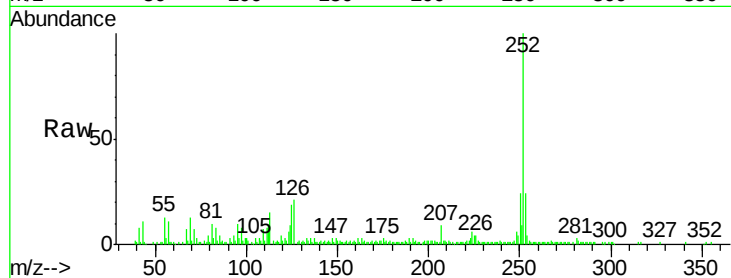
Instrument :

BNA_F

ClientSampleId :

SB-02-0-2.0

Tgt Ion:	252	Resp:	96681
Ion	Ratio	Lower	Upper
252	100		
253	24.5	17.2	25.8
125	19.1	18.0	27.0



#91

Benzo(g,h,i)perylene

Concen: 2.88 ng

RT: 17.08 min Scan# 1312

Delta R.T. -0.05 min

Lab File: BF090904.D

Acq: 28 Oct 2016 12:33

Tgt Ion:	276	Resp:	59920
Ion	Ratio	Lower	Upper
276	100		
277	26.1	17.8	26.6
138	29.5	34.6	51.8#

