

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF110116\
 Data File : BF090965.D
 Acq On : 1 Nov 2016 21:49
 Operator : UM/SJ
 Sample : H5463-05
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(0-2)

Quant Time: Nov 01 23:56:31 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF102616.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Nov 01 11:53:50 2016
 Response via : Initial Calibration

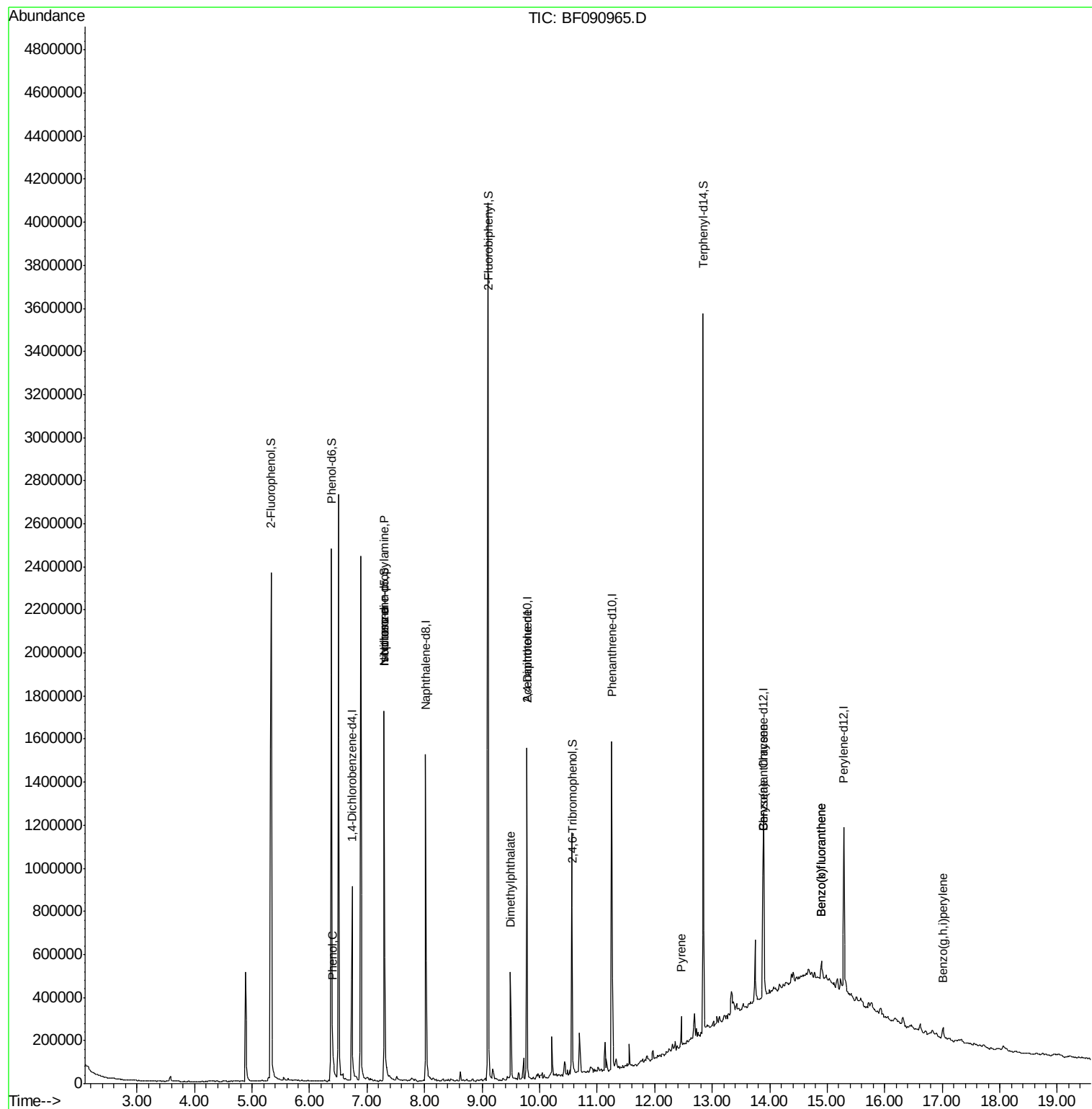
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.74	152	173441	20.00	ng	-0.01
21) Naphthalene-d8	8.02	136	746297	20.00	ng	-0.02
38) Acenaphthene-d10	9.78	164	391979	20.00	ng	-0.01
63) Phenanthrene-d10	11.25	188	545376	20.00	ng	-0.01
75) Chrysene-d12	13.89	240	342409	20.00	ng	-0.01
86) Perylene-d12	15.29	264	309678	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.33	112	847696	85.45	ng	0.00
7) Phenol-d6	6.38	99	1246284	93.12	ng	-0.01
23) Nitrobenzene-d5	7.30	82	704400	61.79	ng	-0.02
41) 2,4,6-Tribromophenol	10.57	330	156447	38.84	ng	-0.01
44) 2-Fluorobiphenyl	9.10	172	1350576	60.50	ng	-0.01
78) Terphenyl-d14	12.84	244	963056	70.86	ng	-0.01
Target Compounds						
10) Phenol	6.40	94	36140	2.45	ng	# 65
19) n-Nitroso-di-n-propylamine	7.30	70	98352	12.71	ng	# 55
25) Isophorone	7.30	82	636609	27.52	ng	# 58
49) Dimethylphthalate	9.49	163	234169	8.94	ng	# 97
56) 2,4-Dinitrotoluene	9.78	165	51442	7.16	ng	# 33
77) Pyrene	12.46	202	51056	2.36	ng	# 96
80) Benzo(a)anthracene	13.88	228	36810	2.03	ng	# 82
82) Chrysene	13.88	228	36810	2.00	ng	# 84
87) Benzo(b)fluoranthene	14.90	252	50083	2.41	ng	# 80
88) Benzo(k)fluoranthene	14.90	252	50083	3.04	ng	# 77
91) Benzo(g,h,i)perylene	17.01	276	40297	2.82	ng	# 84

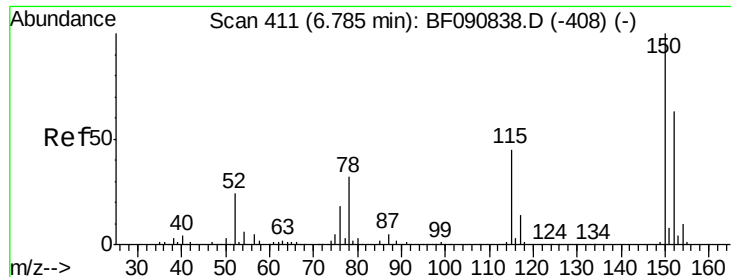
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Tue Nov 01 11:53:50 2016
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.74 min Scan# 407

Delta R.T. -0.01 min

Lab File: BF090965.D

Acq: 1 Nov 2016 21:49

Instrument :

BNA_F

ClientSampleId :

SB-3(0-2)

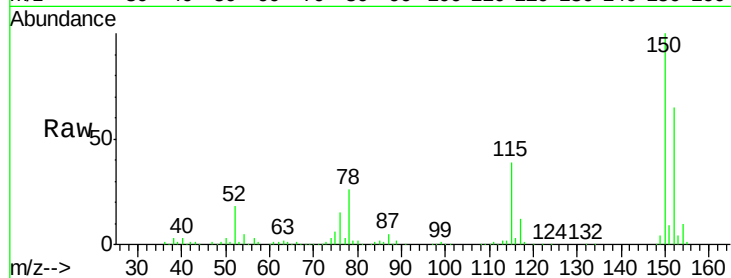
Tgt Ion:152 Resp: 173441

Ion Ratio Lower Upper

152 100

150 154.5 124.7 187.1

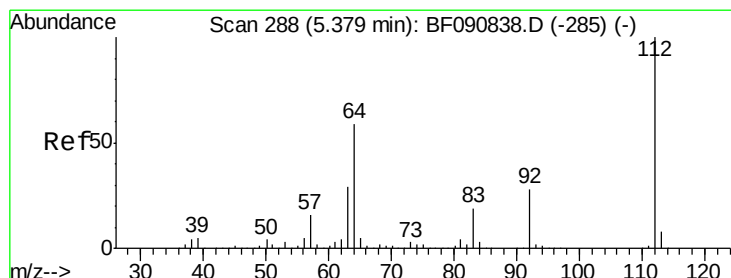
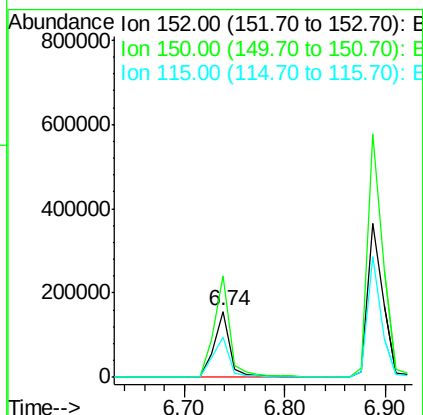
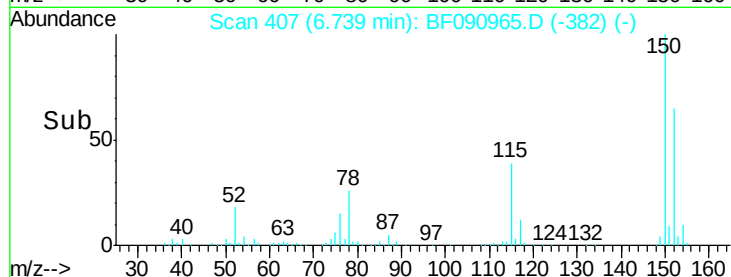
115 60.2 39.0 58.4#



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: 85.45 ng

RT: 5.33 min Scan# 284

Delta R.T. -0.00 min

Lab File: BF090965.D

Acq: 1 Nov 2016 21:49

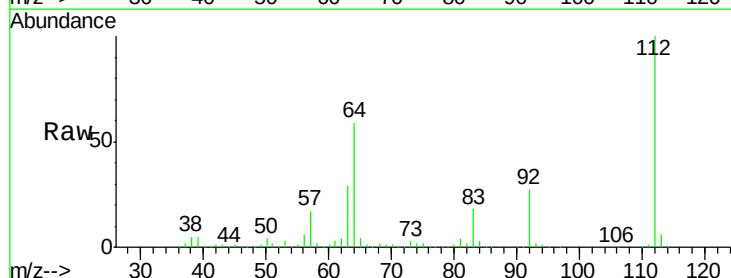
Tgt Ion:112 Resp: 847696

Ion Ratio Lower Upper

112 100

64 59.0 39.7 59.5

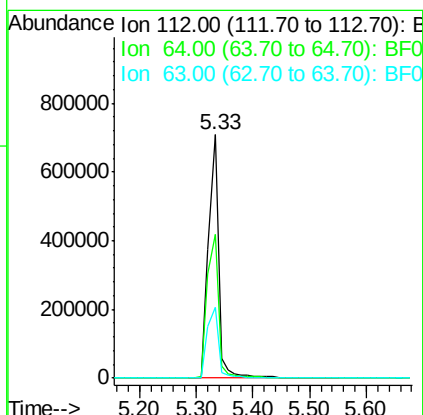
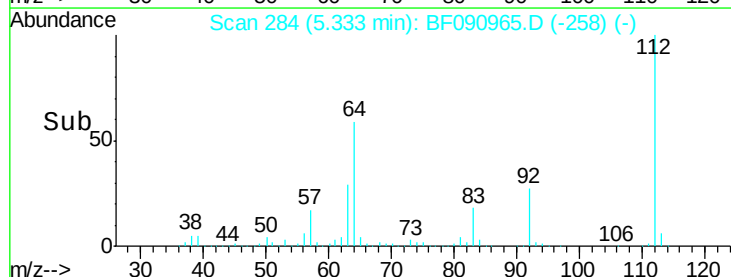
63 29.3 17.4 26.0#

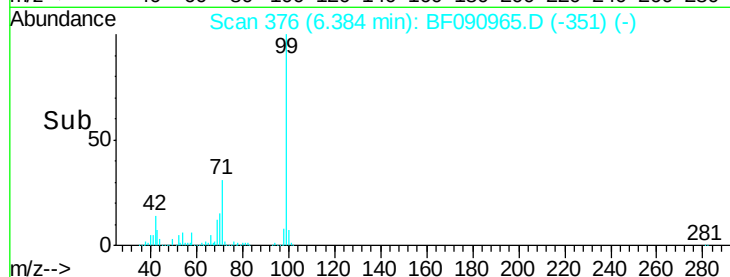
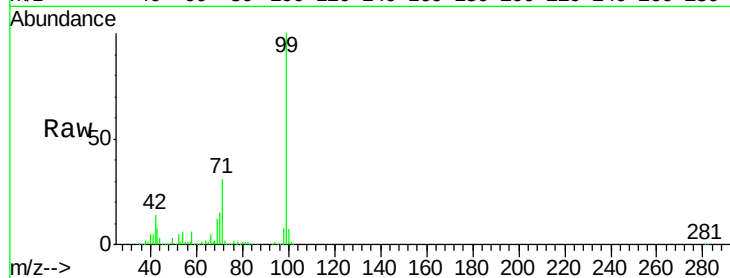
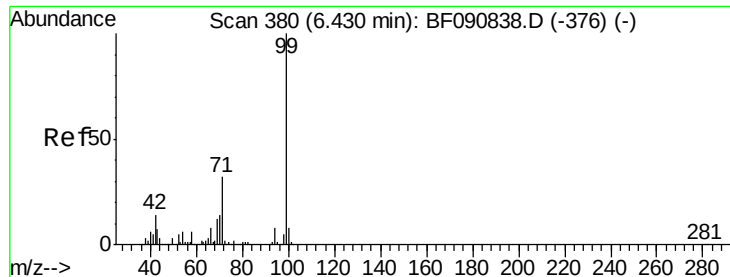


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 93.12 ng

RT: 6.38 min Scan# 376

Delta R.T. -0.01 min

Lab File: BF090965.D

Acq: 1 Nov 2016 21:49

Instrument :

BNA_F

ClientSampleId :

SB-3(0-2)

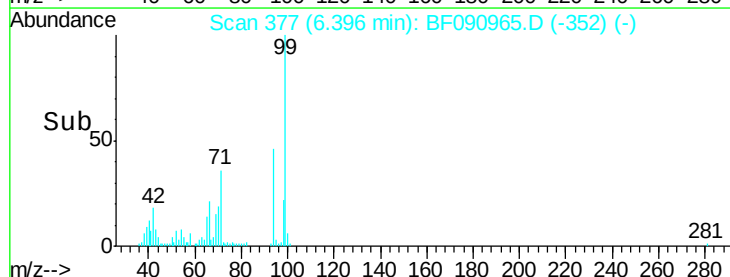
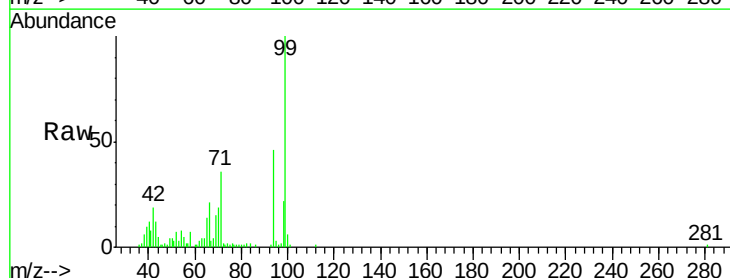
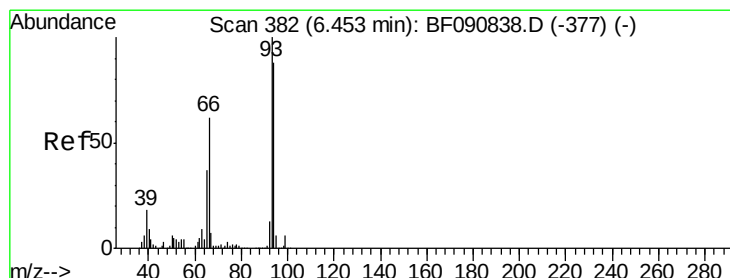
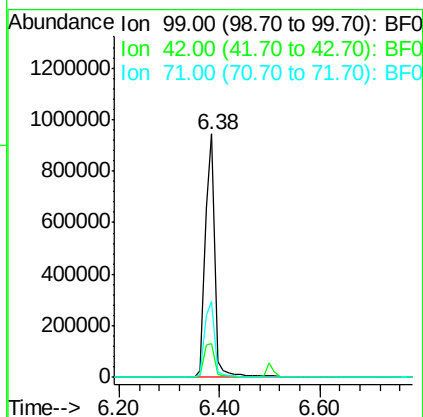
Tgt Ion: 99 Resp: 1246284

Ion Ratio Lower Upper

99 100

42 14.1 13.7 20.5

71 31.0 14.2 21.2#



#10

Phenol

Concen: 2.45 ng

RT: 6.40 min Scan# 377

Delta R.T. -0.01 min

Lab File: BF090965.D

Acq: 1 Nov 2016 21:49

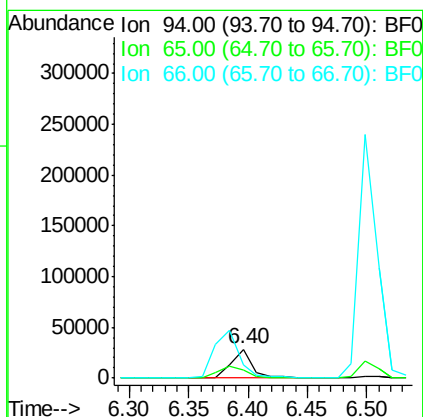
Tgt Ion: 94 Resp: 36140

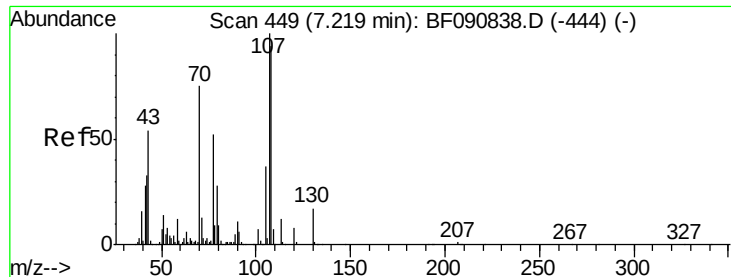
Ion Ratio Lower Upper

94 100

65 29.4 0.7 40.7

66 45.2 0.8 40.8#

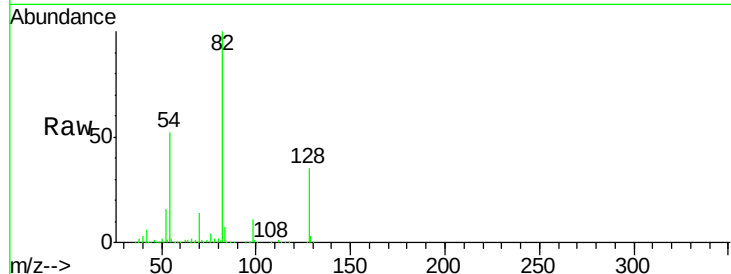




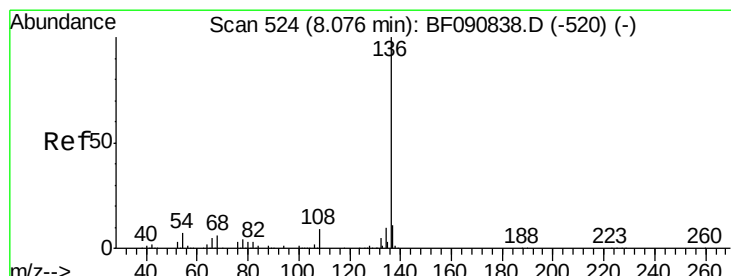
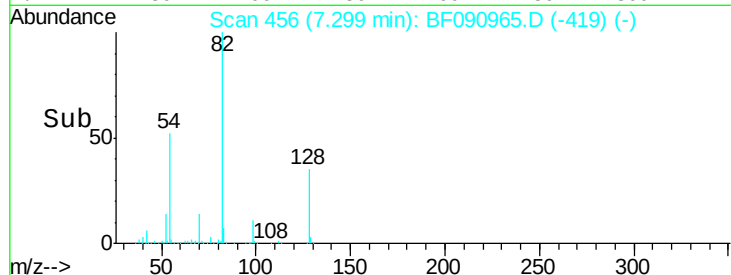
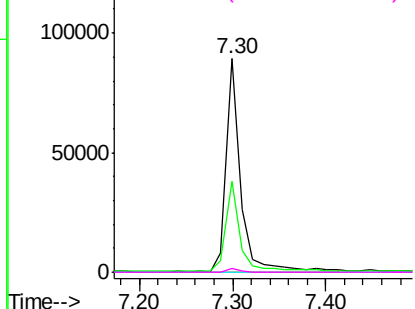
#19
n-Nitroso-di-n-propylamine
Concen: 12.71 ng
RT: 7.30 min Scan# 456
Delta R.T. 0.13 min
Lab File: BF090965.D
Acq: 1 Nov 2016 21:49

Instrument :
BNA_F
ClientSampleId :
SB-3(0-2)

Tgt Ion: 70 Resp: 98352
Ion Ratio Lower Upper
70 100
42 42.8 63.8 95.6#
101 0.0 9.2 13.8#
130 1.8 27.3 40.9#

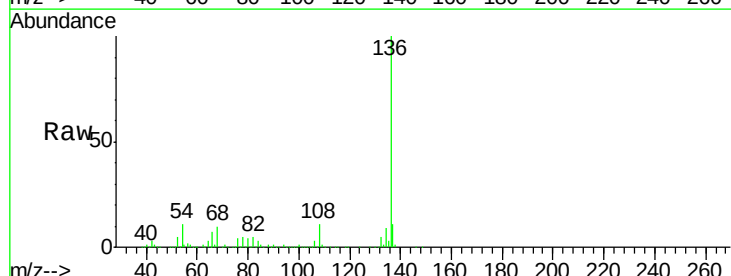


Abundance Ion 70.00 (69.70 to 70.70): BF0
Ion 42.00 (41.70 to 42.70): BF0
Ion 101.00 (100.70 to 101.70): E
Ion 130.00 (129.70 to 130.70): E

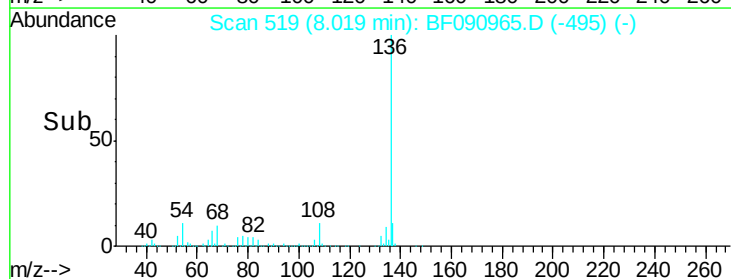
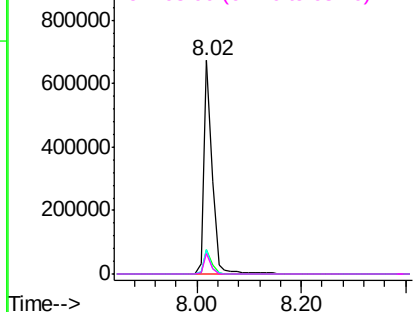


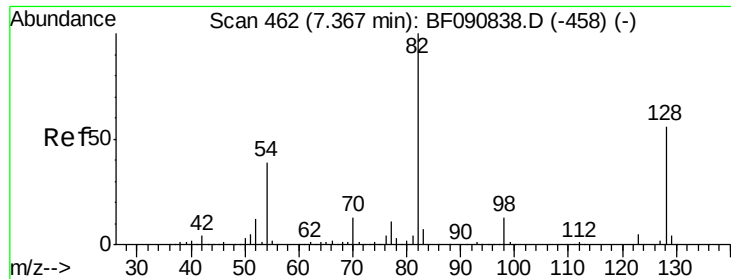
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.02 min Scan# 519
Delta R.T. -0.02 min
Lab File: BF090965.D
Acq: 1 Nov 2016 21:49

Tgt Ion: 136 Resp: 746297
Ion Ratio Lower Upper
136 100
137 11.4 9.0 13.6
54 11.1 8.2 12.2
68 9.5 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

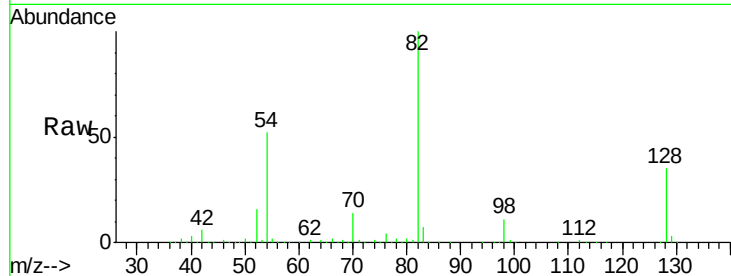




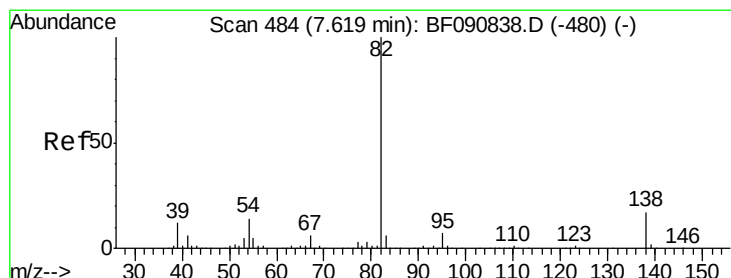
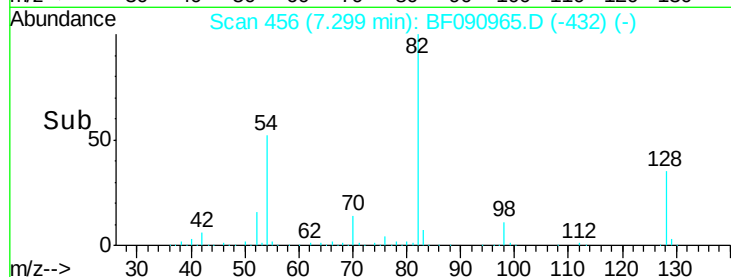
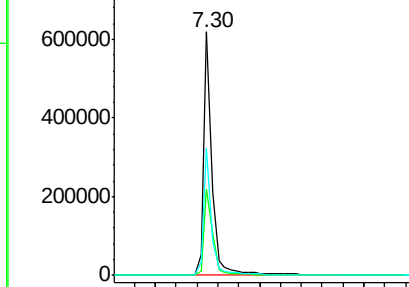
#23
 Nitrobenzene-d5
 Concen: 61.79 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.02 min
 Lab File: BF090965.D
 Acq: 1 Nov 2016 21:49

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(0-2)

Tgt Ion: 82 Resp: 704400
 Ion Ratio Lower Upper
 82 100
 128 35.4 51.0 76.6#
 54 52.2 47.5 71.3

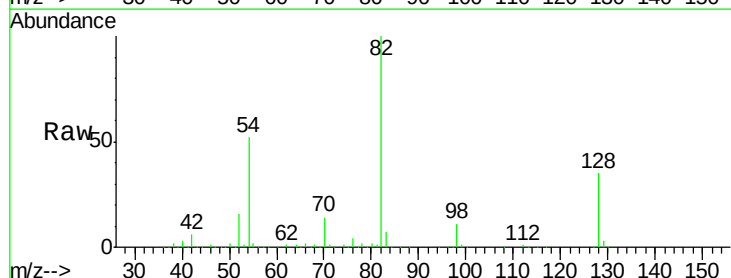


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): BF0
 Ion 54.00 (53.70 to 54.70): BF0

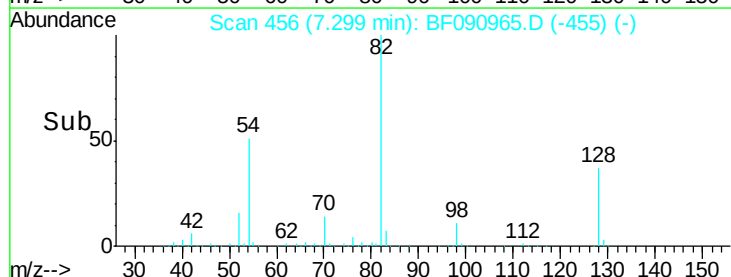
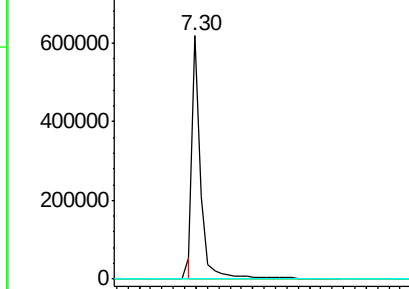


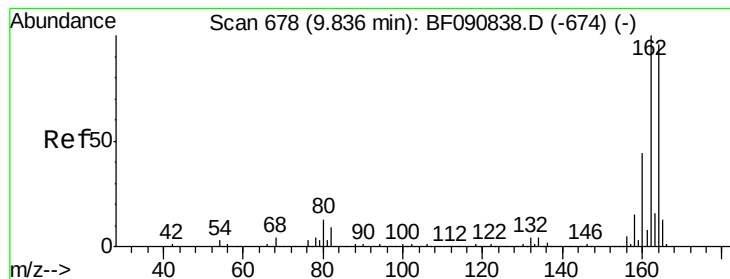
#25
 Isophorone
 Concen: 27.52 ng
 RT: 7.30 min Scan# 456
 Delta R.T. -0.29 min
 Lab File: BF090965.D
 Acq: 1 Nov 2016 21:49

Tgt Ion: 82 Resp: 636609
 Ion Ratio Lower Upper
 82 100
 95 0.0 4.0 6.0#
 138 0.0 18.3 27.5#



Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 95.00 (94.70 to 95.70): BF0
 Ion 138.00 (137.70 to 138.70): BF0





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.78 min Scan# 673

Delta R.T. -0.01 min

Lab File: BF090965.D

Acq: 1 Nov 2016 21:49

Instrument :

BNA_F

ClientSampleId :

SB-3(0-2)

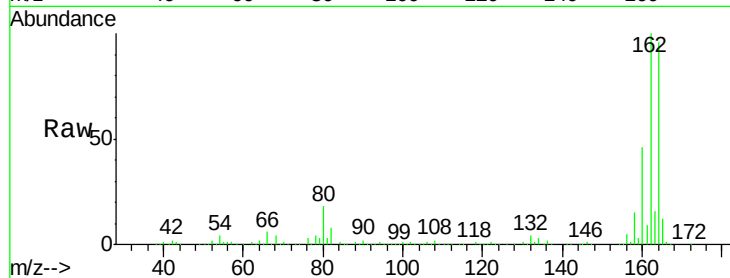
Tgt Ion:164 Resp: 391979

Ion Ratio Lower Upper

164 100

162 104.1 75.2 112.8

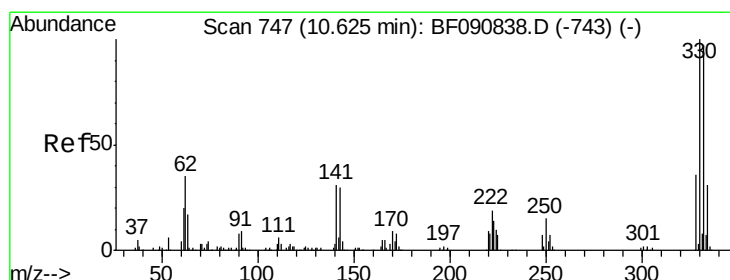
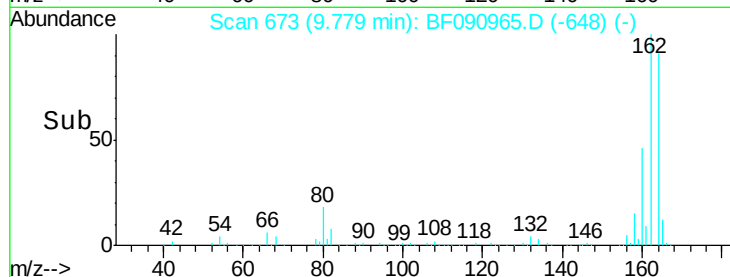
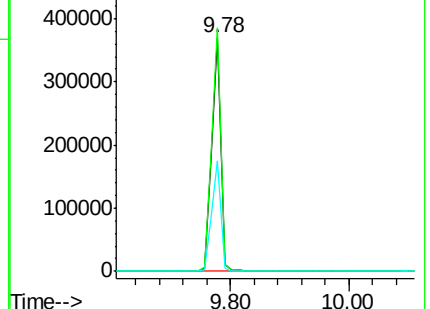
160 47.5 31.5 47.3#



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: 38.84 ng

RT: 10.57 min Scan# 742

Delta R.T. -0.01 min

Lab File: BF090965.D

Acq: 1 Nov 2016 21:49

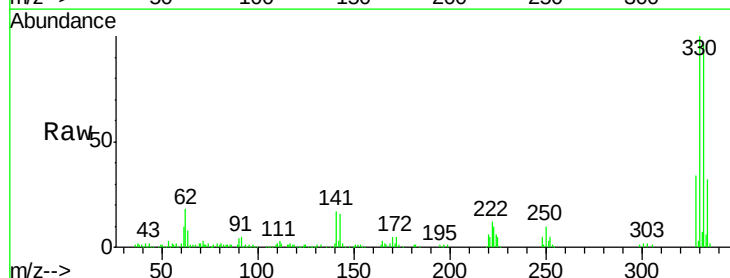
Tgt Ion:330 Resp: 156447

Ion Ratio Lower Upper

330 100

332 96.6 76.6 114.8

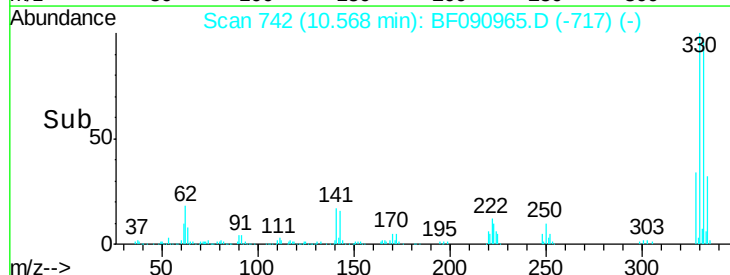
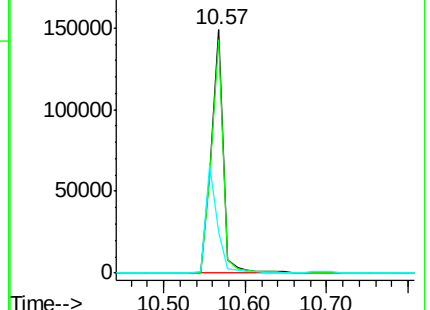
141 44.3 29.7 44.5

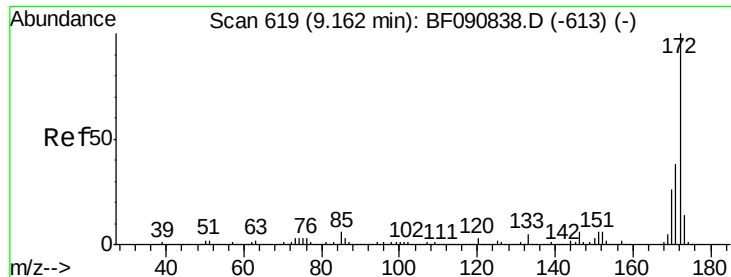


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

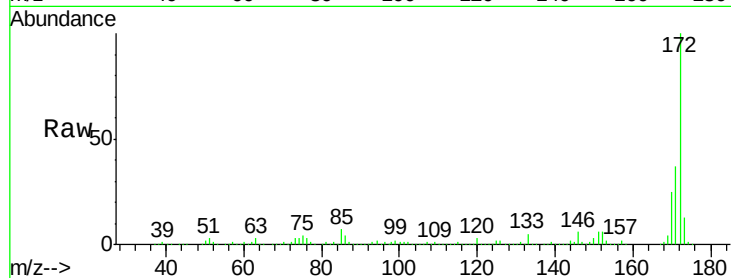




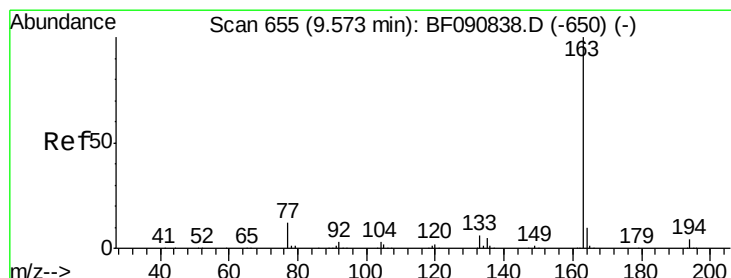
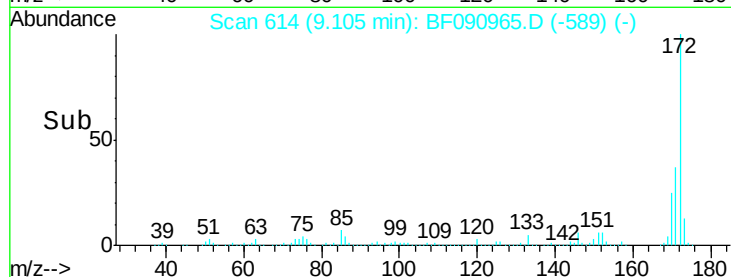
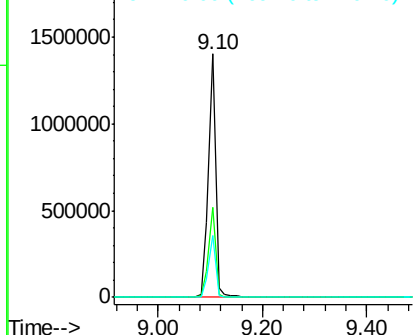
#44
2-Fluorobiphenyl
Concen: 60.50 ng
RT: 9.10 min Scan# 614
Delta R.T. -0.01 min
Lab File: BF090965.D
Acq: 1 Nov 2016 21:49

Instrument :
BNA_F
ClientSampleId :
SB-3(0-2)

Tgt Ion:172 Resp: 1350576
Ion Ratio Lower Upper
172 100
171 36.9 26.1 39.1
170 25.2 17.4 26.2

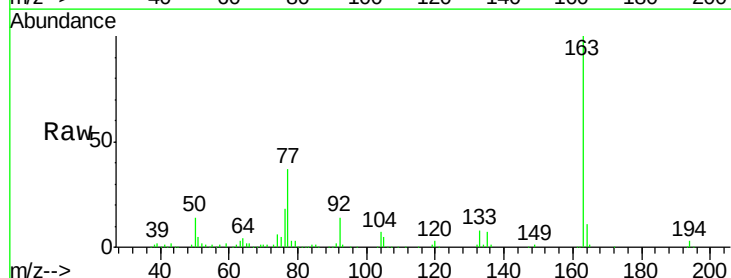


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

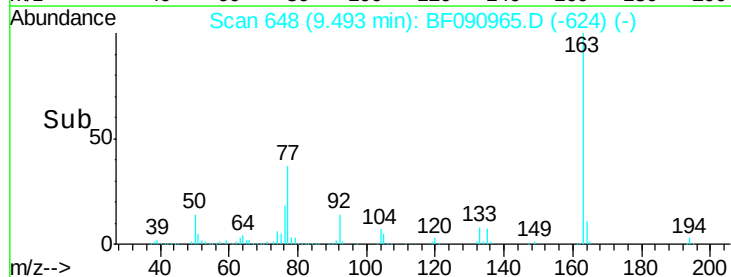
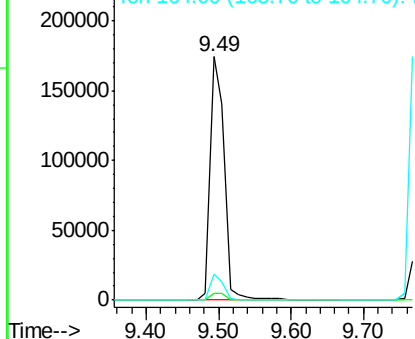


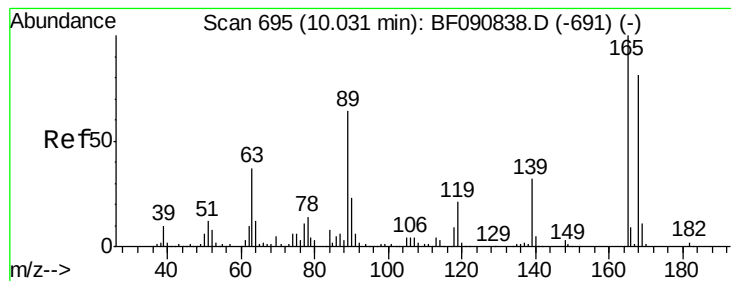
#49
Dimethylphthalate
Concen: 8.94 ng
RT: 9.49 min Scan# 648
Delta R.T. -0.02 min
Lab File: BF090965.D
Acq: 1 Nov 2016 21:49

Tgt Ion:163 Resp: 234169
Ion Ratio Lower Upper
163 100
194 2.7 4.4 6.6#
164 10.6 8.3 12.5



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

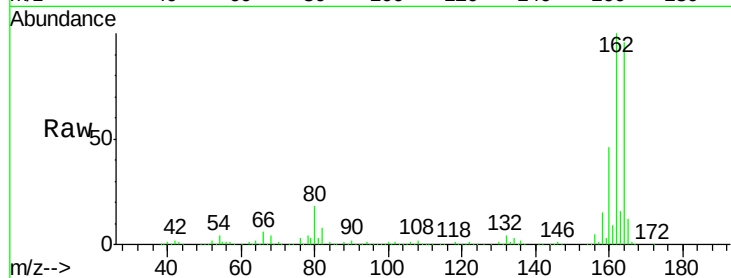




#56
 2,4-Dinitrotoluene
 Concen: 7.16 ng
 RT: 9.78 min Scan# 673
 Delta R.T. -0.21 min
 Lab File: BF090965.D
 Acq: 1 Nov 2016 21:49

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(0-2)

Tgt Ion:	165	Resp:	51442
Ion	Ratio	Lower	Upper
165	100		
63	1.0	29.8	44.6#
89	1.3	44.5	66.7#
182	0.0	3.0	4.4#

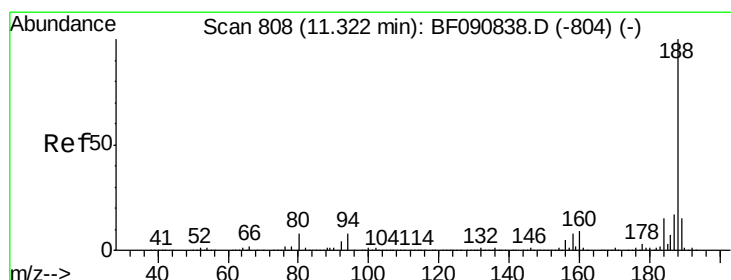
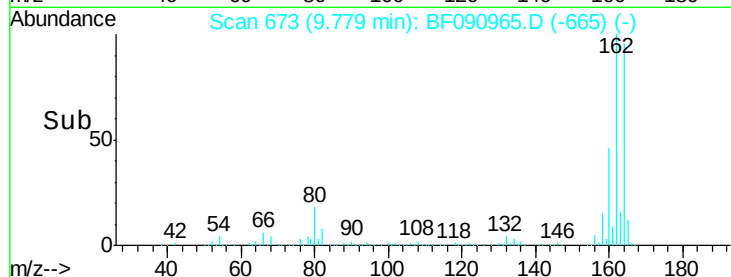
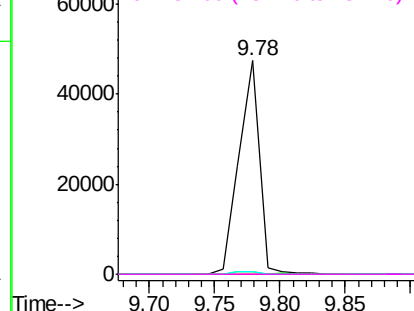


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

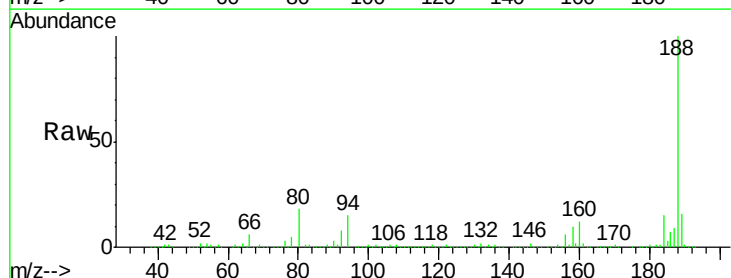
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.25 min Scan# 802
 Delta R.T. -0.01 min
 Lab File: BF090965.D
 Acq: 1 Nov 2016 21:49

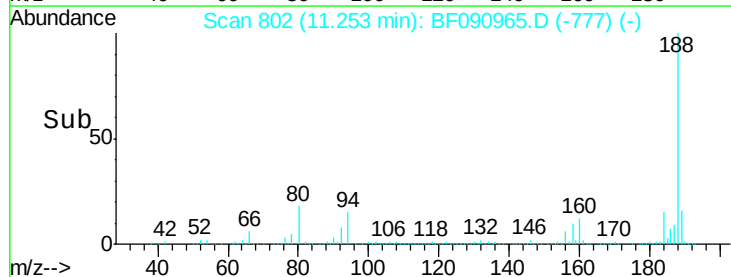
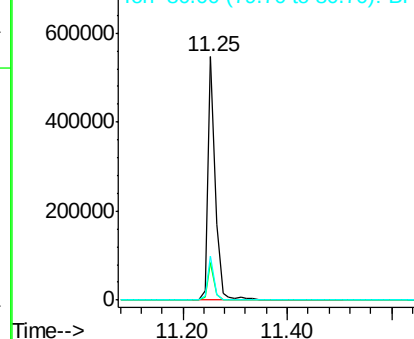
Tgt Ion:	188	Resp:	545376
Ion	Ratio	Lower	Upper
188	100		
94	15.2	11.1	16.7
80	18.0	11.0	16.4#

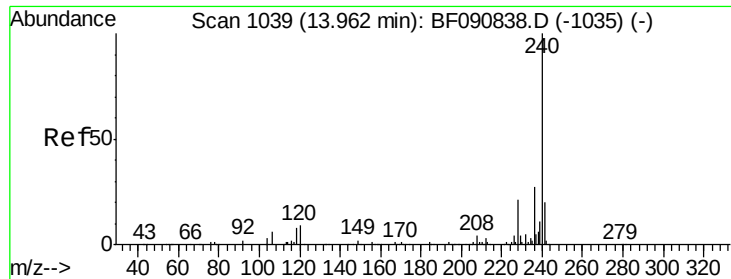


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.89 min Scan# 1033

Delta R.T. -0.01 min

Lab File: BF090965.D

Acq: 1 Nov 2016 21:49

Instrument :

BNA_F

ClientSampleId :

SB-3(0-2)

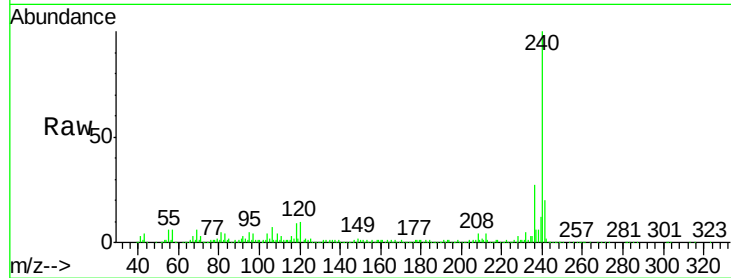
Tgt Ion:240 Resp: 342409

Ion Ratio Lower Upper

240 100

120 10.2 16.2 24.2#

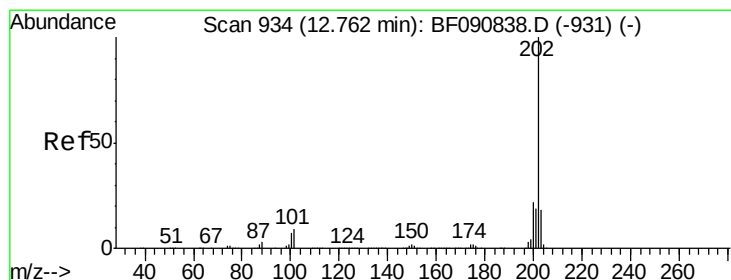
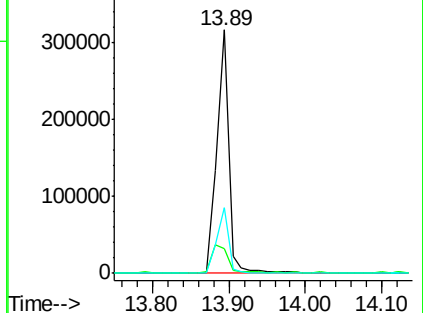
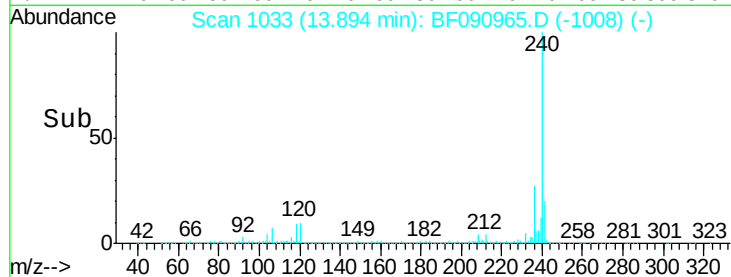
236 27.0 18.4 27.6



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: 2.36 ng

RT: 12.46 min Scan# 908

Delta R.T. -0.24 min

Lab File: BF090965.D

Acq: 1 Nov 2016 21:49

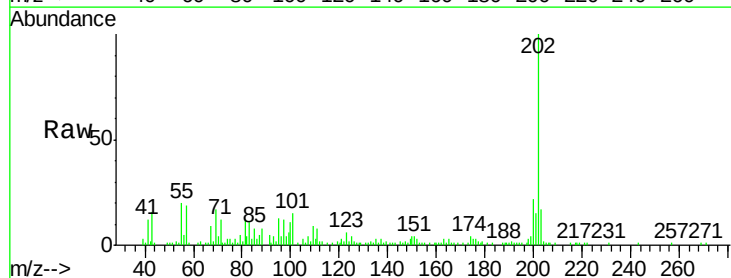
Tgt Ion:202 Resp: 51056

Ion Ratio Lower Upper

202 100

200 22.0 15.0 22.4

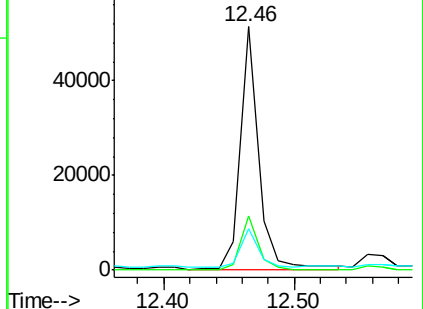
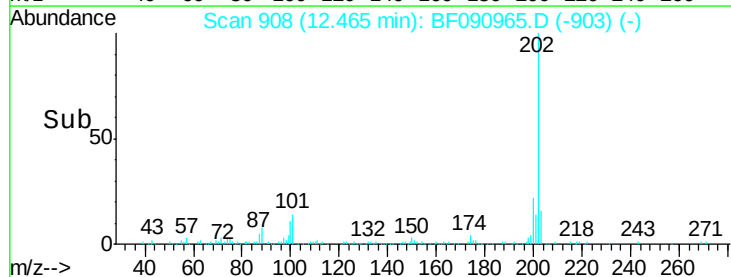
203 17.2 14.1 21.1

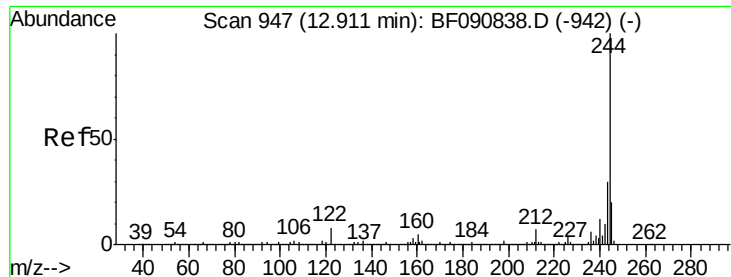


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 70.86 ng

RT: 12.84 min Scan# 941

Delta R.T. -0.01 min

Lab File: BF090965.D

Acq: 1 Nov 2016 21:49

Instrument :

BNA_F

ClientSampleId :

SB-3(0-2)

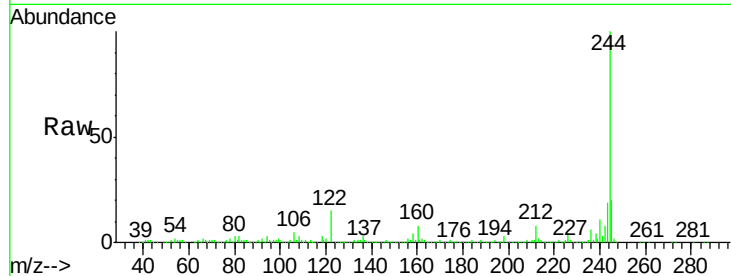
Tgt Ion:244 Resp: 963056

Ion Ratio Lower Upper

244 100

212 7.6 4.3 6.5#

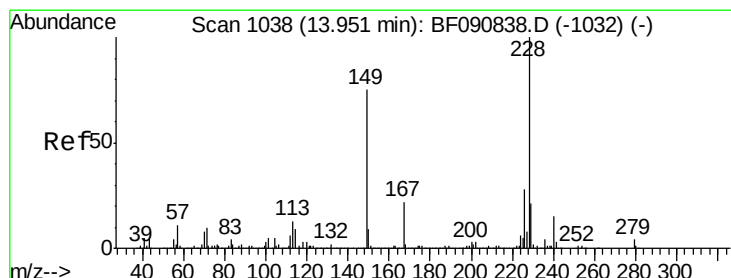
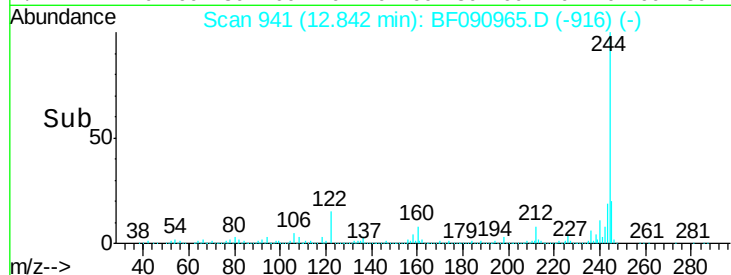
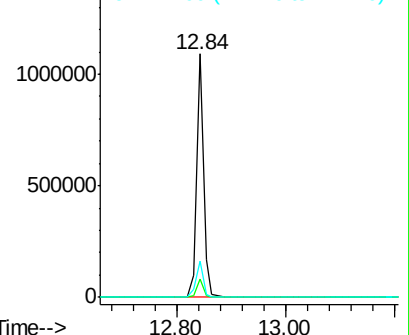
122 14.7 17.4 26.2#



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: 2.03 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.01 min

Lab File: BF090965.D

Acq: 1 Nov 2016 21:49

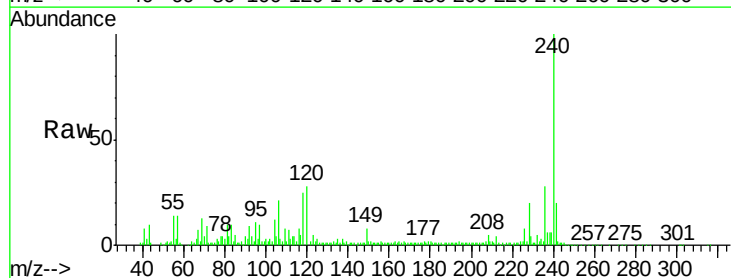
Tgt Ion:228 Resp: 36810

Ion Ratio Lower Upper

228 100

226 38.5 20.0 30.0#

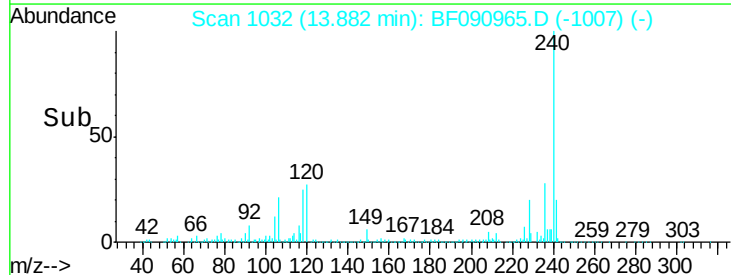
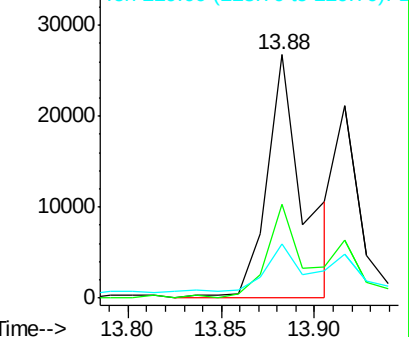
229 22.0 15.4 23.2

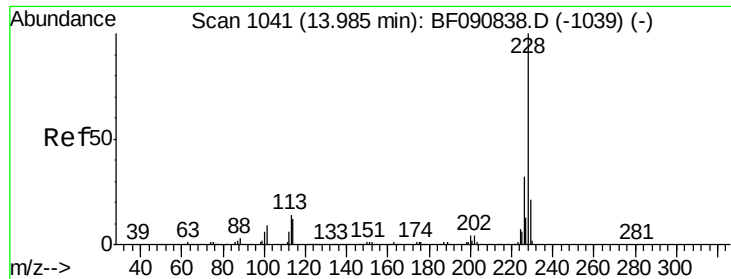


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.00 ng

RT: 13.88 min Scan# 1032

Delta R.T. -0.05 min

Lab File: BF090965.D

Acq: 1 Nov 2016 21:49

Instrument :

BNA_F

ClientSampleId :

SB-3(0-2)

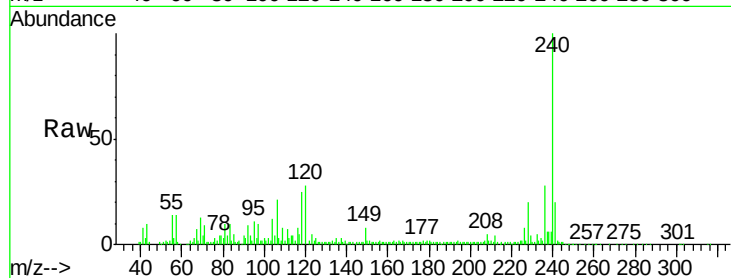
Tgt Ion:228 Resp: 36810

Ion Ratio Lower Upper

228 100

226 38.5 21.0 31.4#

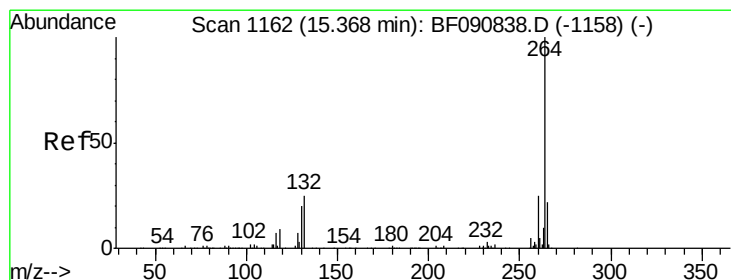
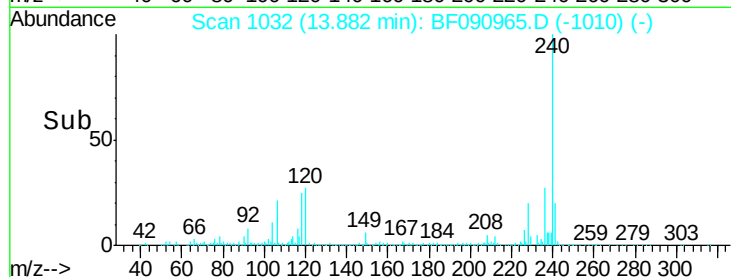
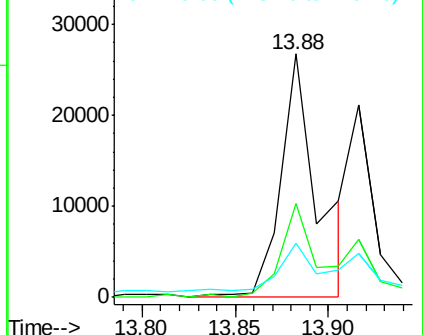
229 22.0 15.6 23.4



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 15.29 min Scan# 1155

Delta R.T. -0.01 min

Lab File: BF090965.D

Acq: 1 Nov 2016 21:49

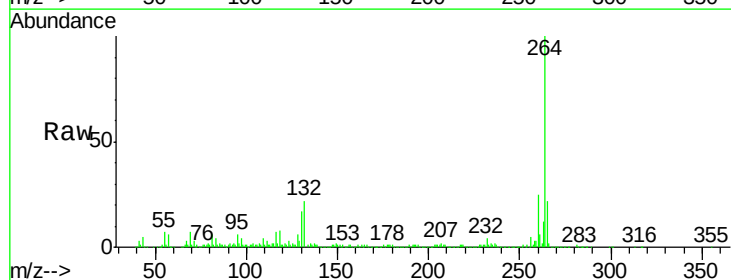
Tgt Ion:264 Resp: 309678

Ion Ratio Lower Upper

264 100

260 25.0 16.7 25.1

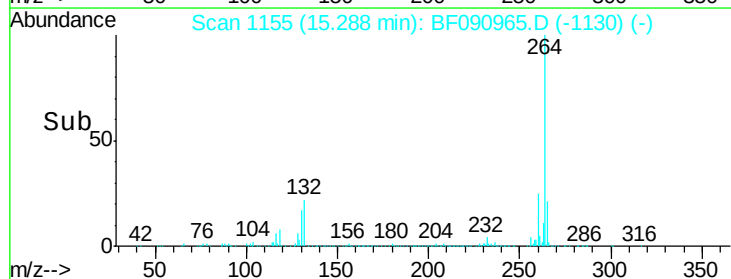
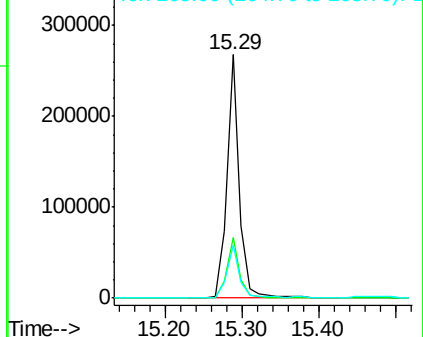
265 21.6 17.2 25.8

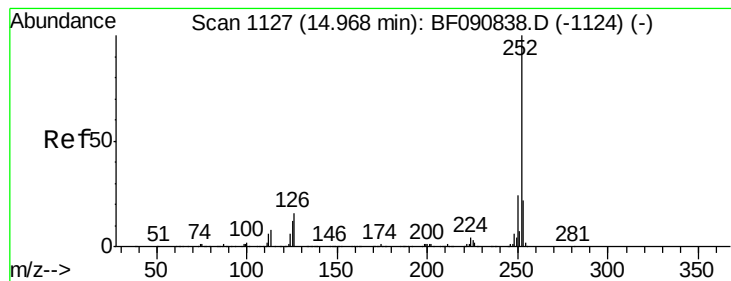


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 2.41 ng

RT: 14.90 min Scan# 1121

Delta R.T. -0.01 min

Lab File: BF090965.D

Acq: 1 Nov 2016 21:49

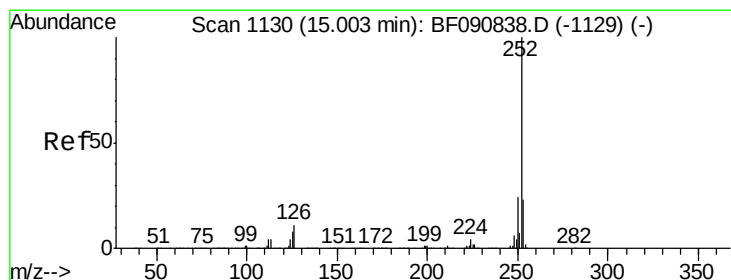
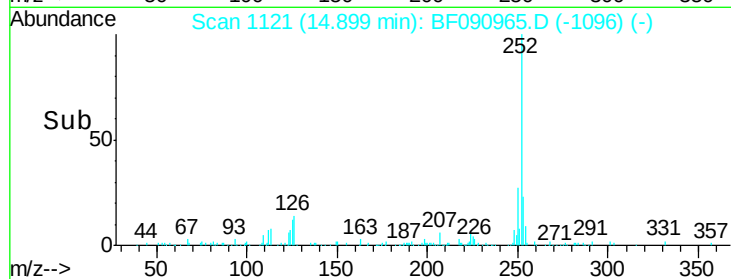
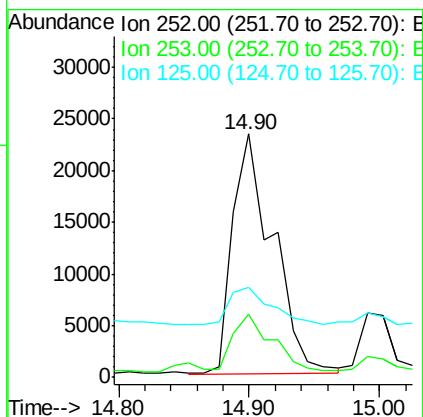
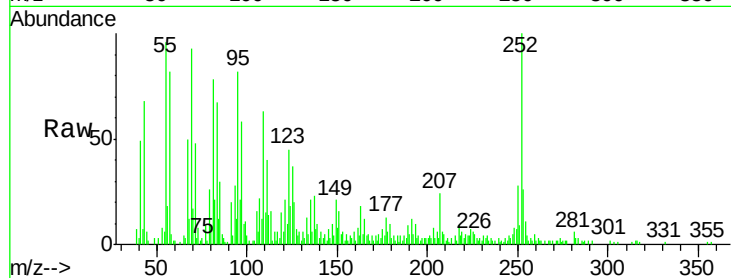
Instrument :

BNA_F

ClientSampleId :

SB-3(0-2)

Tgt Ion:	252	Resp:	50083
Ion Ratio	Lower	Upper	
252	100		
253	25.8	17.5	26.3
125	36.8	17.1	25.7#



#88

Benzo(k)fluoranthene

Concen: 3.04 ng

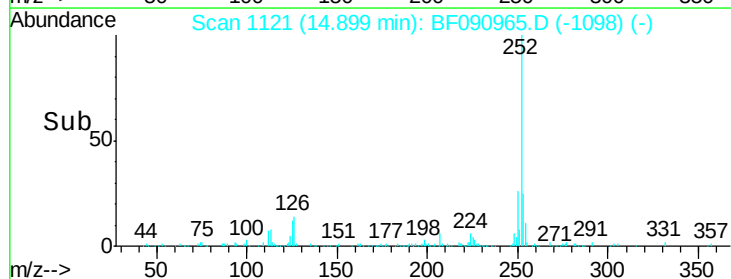
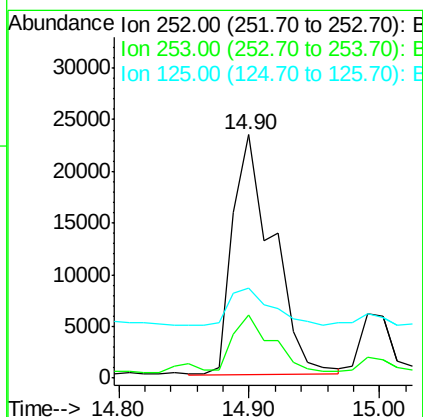
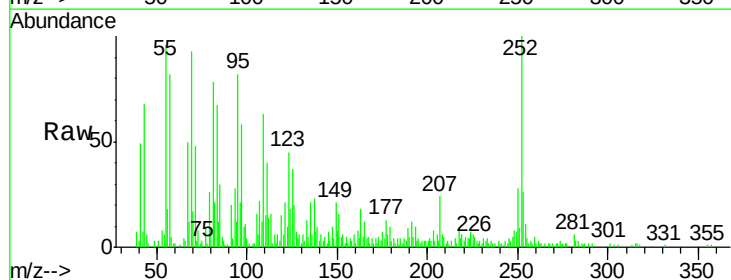
RT: 14.90 min Scan# 1121

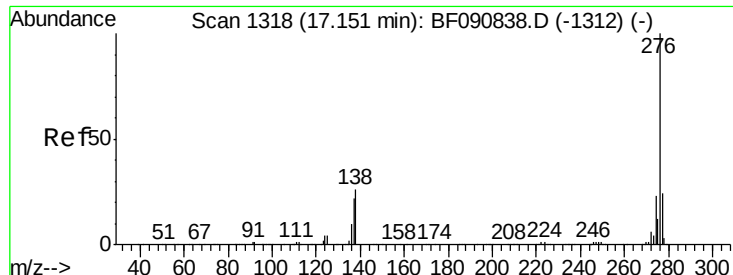
Delta R.T. -0.03 min

Lab File: BF090965.D

Acq: 1 Nov 2016 21:49

Tgt Ion:	252	Resp:	50083
Ion Ratio	Lower	Upper	
252	100		
253	25.8	17.0	25.4#
125	36.8	16.0	24.0#

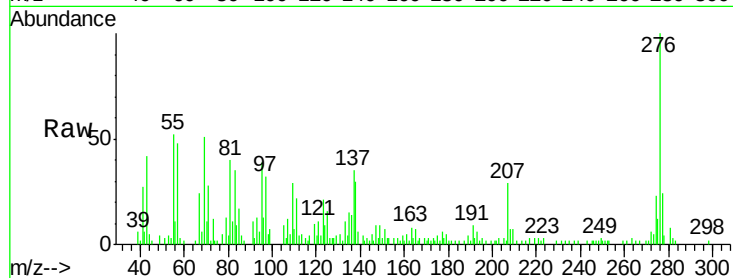




#91
 Benzo(g,h,i)perylene
 Concen: 2.82 ng
 RT: 17.01 min Scan# 1306
 Delta R.T. -0.02 min
 Lab File: BF090965.D
 Acq: 1 Nov 2016 21:49

Instrument :
 BNA_F
 ClientSampleId :
 SB-3(0-2)

Tgt Ion	Ratio	Lower	Upper
276	100		
277	24.3	17.8	26.6
138	29.6	34.6	51.8



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

