

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092716\
 Data File : BF090267.D
 Acq On : 27 Sep 2016 22:16
 Operator : UM/SJ
 Sample : H4949-06
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 S-3-2-LOC-3(10-15)

Quant Time: Sep 28 00:45:05 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Sep 26 15:58:38 2016
 Response via : Initial Calibration

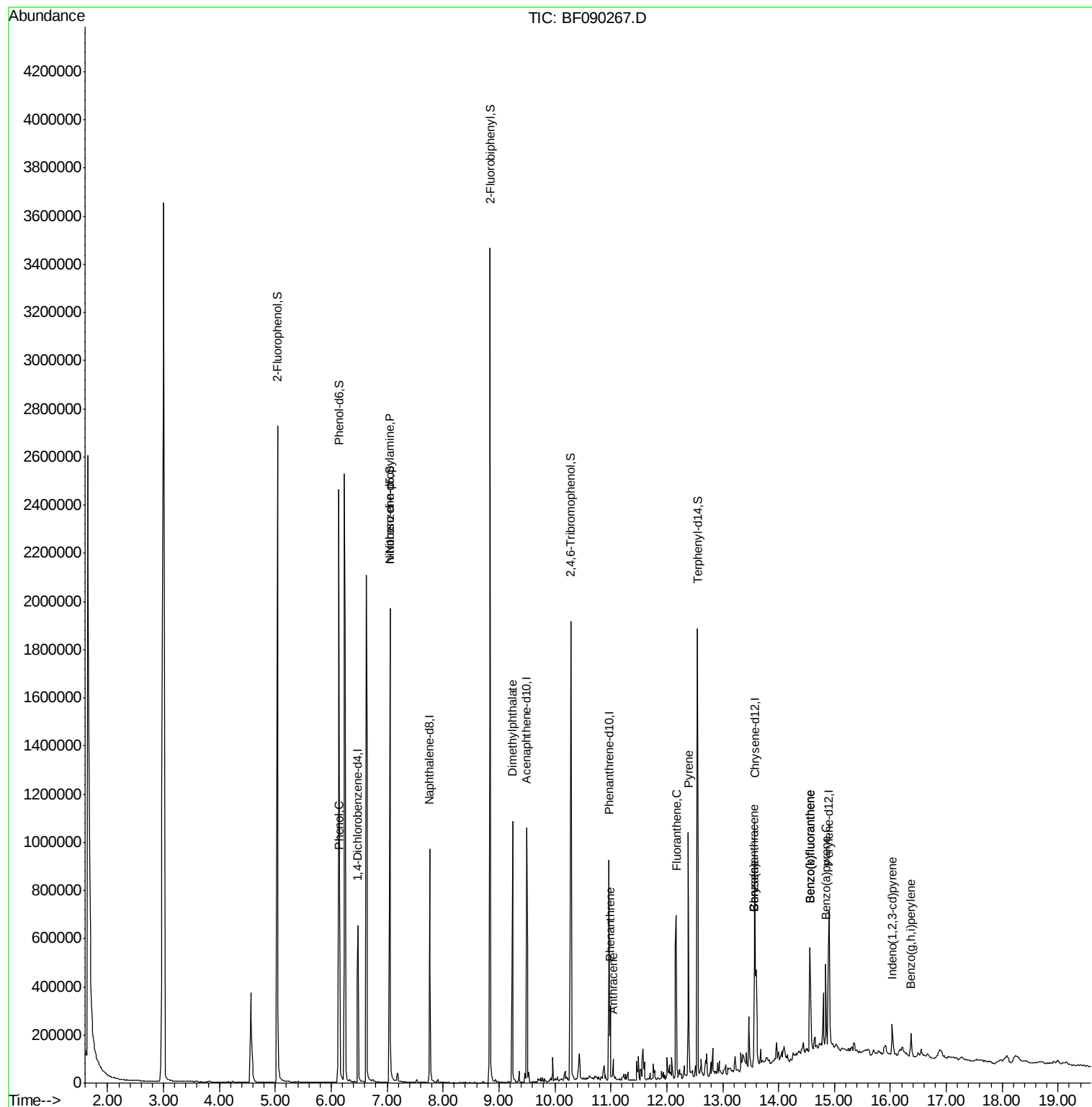
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.48	152	147939	20.00	ng	0.00
21) Naphthalene-d8	7.76	136	543960	20.00	ng	-0.01
38) Acenaphthene-d10	9.50	164	281986	20.00	ng	-0.01
63) Phenanthrene-d10	10.97	188	388138	20.00	ng	-0.01
75) Chrysene-d12	13.58	240	280030	20.00	ng	-0.02
86) Perylene-d12	14.90	264	263197	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.04	112	1028323	113.30	ng	0.01
7) Phenol-d6	6.14	99	1306891	116.60	ng	0.00
23) Nitrobenzene-d5	7.05	82	783101	83.45	ng	-0.01
41) 2,4,6-Tribromophenol	10.28	330	244375	101.01	ng	-0.01
44) 2-Fluorobiphenyl	8.84	172	1256621	87.49	ng	-0.01
78) Terphenyl-d14	12.55	244	682349	61.86	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.15	94	26658	2.01	ng	92
19) n-Nitroso-di-n-propylamine	7.05	70	93678	14.23	ng	# 80
49) Dimethylphthalate	9.24	163	541677	30.16	ng	100
70) Phenanthrene	10.99	178	136463	7.52	ng	97
71) Anthracene	11.04	178	40424	2.12	ng	98
74) Fluoranthene	12.17	202	383735	19.69	ng	91
77) Pyrene	12.39	202	384989	20.09	ng	99
80) Benzo(a)anthracene	13.57	228	199354	13.23	ng	98
82) Chrysene	13.57	228	199354	13.58	ng	98
85) Indeno(1,2,3-cd)pyrene	16.03	276	73941	6.23	ng	# 92
87) Benzo(b)fluoranthene	14.56	252	272480	18.70	ng	97
88) Benzo(k)fluoranthene	14.56	252	272480	19.92	ng	# 95
89) Benzo(a)pyrene	14.85	252	145985	10.65	ng	# 94
91) Benzo(g,h,i)perylene	16.37	276	66631	6.36	ng	99

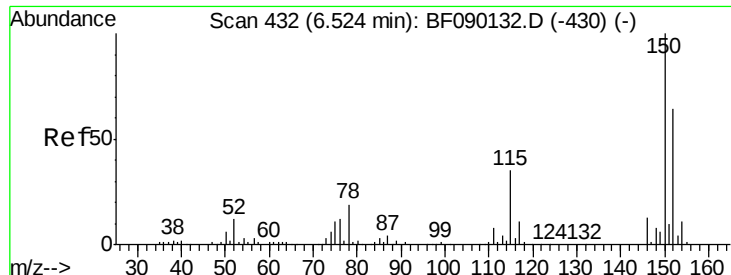
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.48 min Scan# 428

Delta R.T. 0.00 min

Lab File: BF090267.D

Acq: 27 Sep 2016 22:16

Instrument :

BNA_F

ClientSampleId :

S-3-2-LOC-3(10-15)

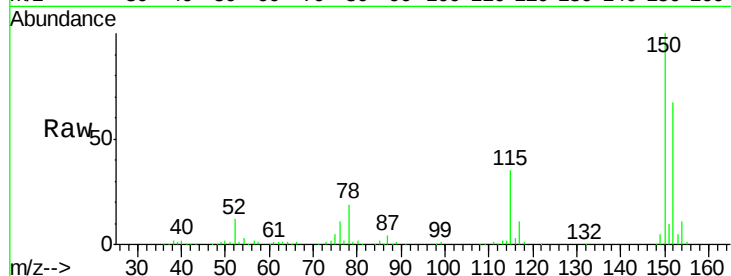
Tgt Ion:152 Resp: 147939

Ion Ratio Lower Upper

152 100

150 148.4 128.9 193.3

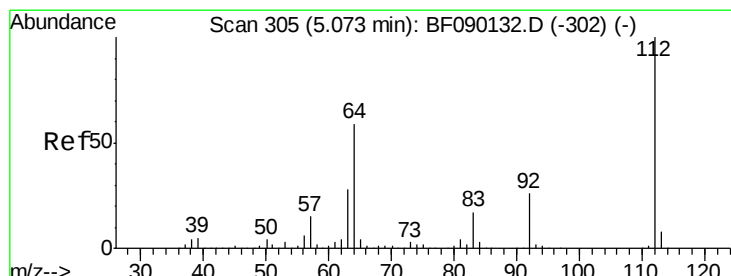
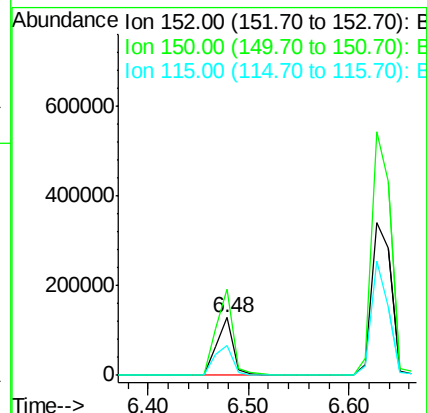
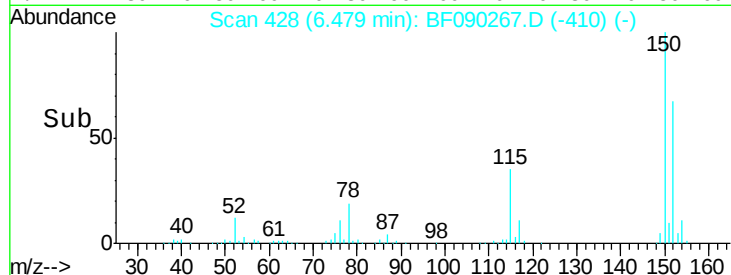
115 52.6 55.5 83.3#



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: 113.30 ng

RT: 5.04 min Scan# 302

Delta R.T. 0.01 min

Lab File: BF090267.D

Acq: 27 Sep 2016 22:16

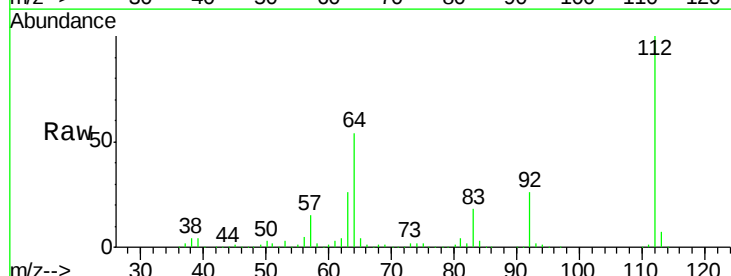
Tgt Ion:112 Resp: 1028323

Ion Ratio Lower Upper

112 100

64 53.7 39.8 59.6

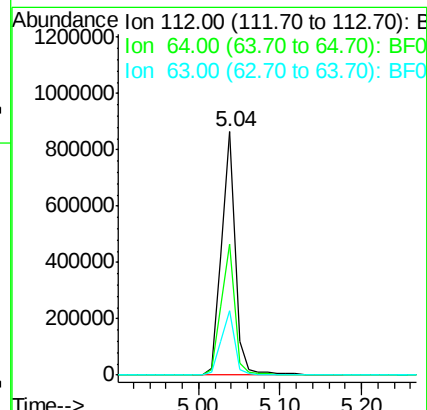
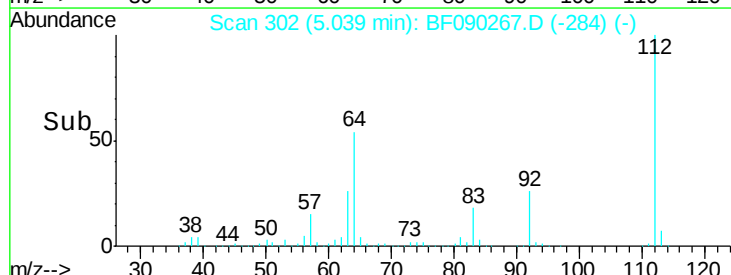
63 26.4 18.9 28.3



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: 116.60 ng

RT: 6.14 min Scan# 398

Delta R.T. 0.00 min

Lab File: BF090267.D

Acq: 27 Sep 2016 22:16

Instrument :

BNA_F

ClientSampleId :

S-3-2-LOC-3(10-15)

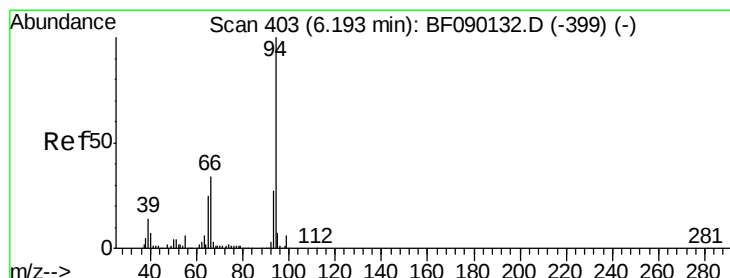
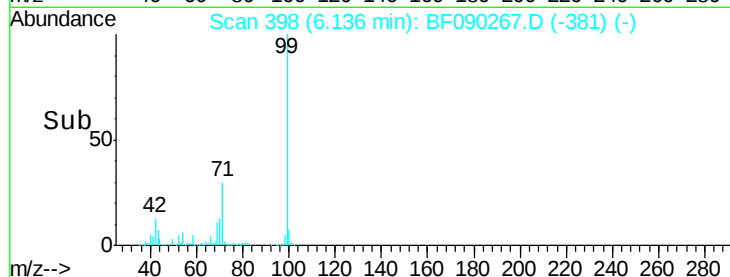
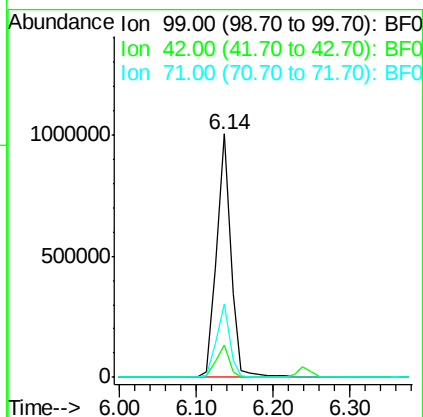
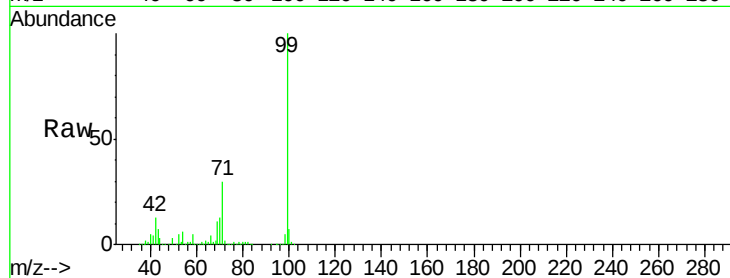
Tgt Ion: 99 Resp: 1306891

Ion Ratio Lower Upper

99 100

42 13.3 10.6 15.8

71 30.3 23.0 34.6



#10

Phenol

Concen: 2.01 ng

RT: 6.15 min Scan# 399

Delta R.T. 0.00 min

Lab File: BF090267.D

Acq: 27 Sep 2016 22:16

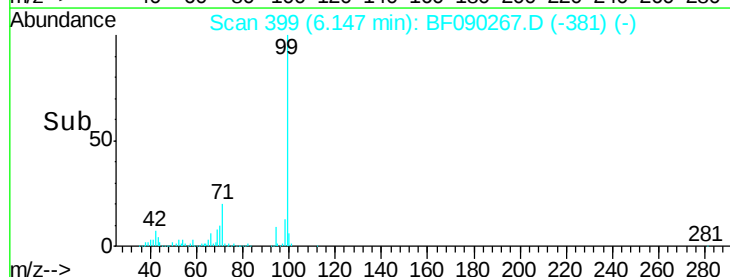
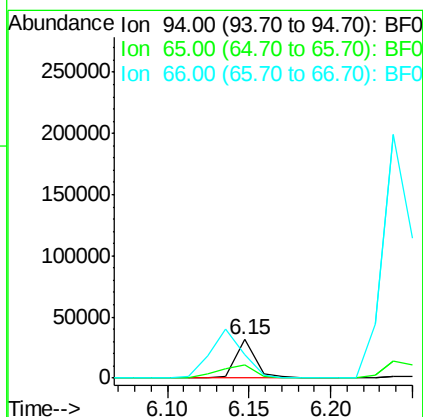
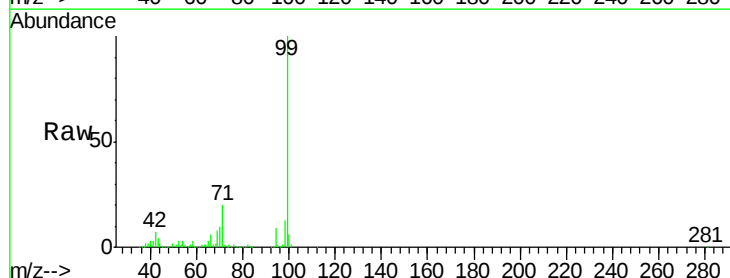
Tgt Ion: 94 Resp: 26658

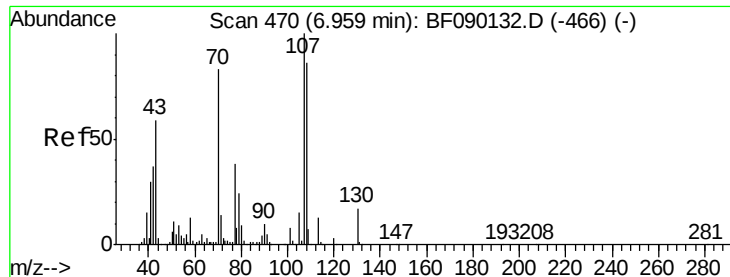
Ion Ratio Lower Upper

94 100

65 32.9 20.6 60.6

66 60.4 45.1 85.1

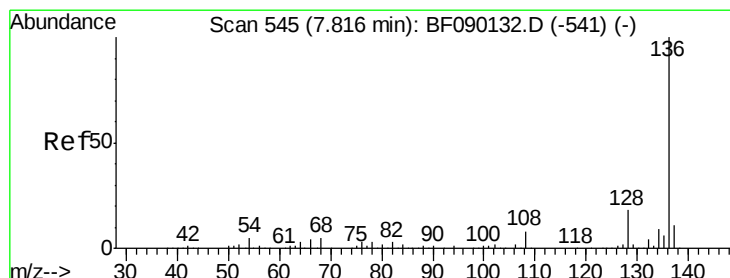
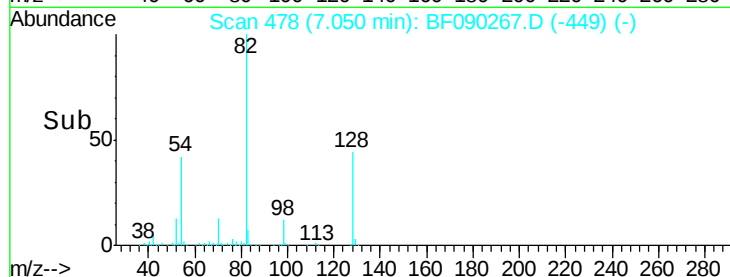
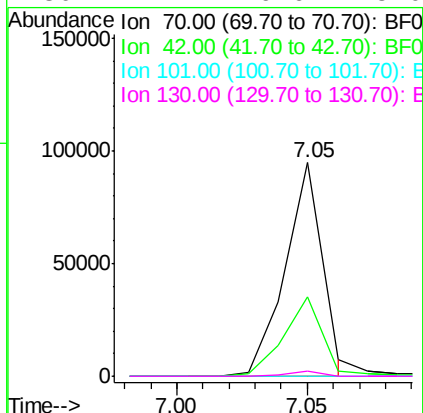
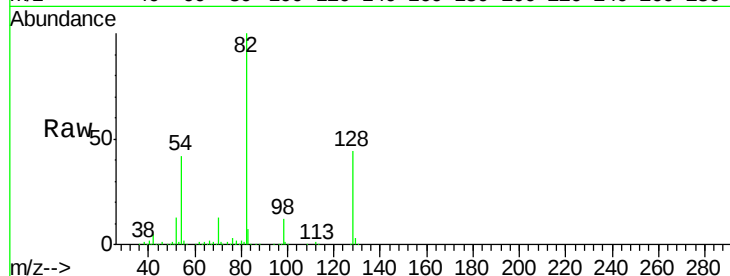




#19
n-Nitroso-di-n-propylamine
Concen: 14.23 ng
RT: 7.05 min Scan# 478
Delta R.T. 0.14 min
Lab File: BF090267.D
Acq: 27 Sep 2016 22:16

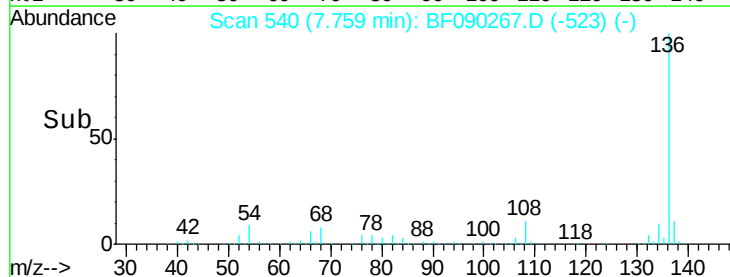
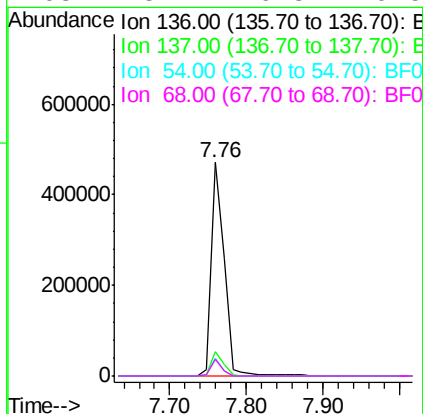
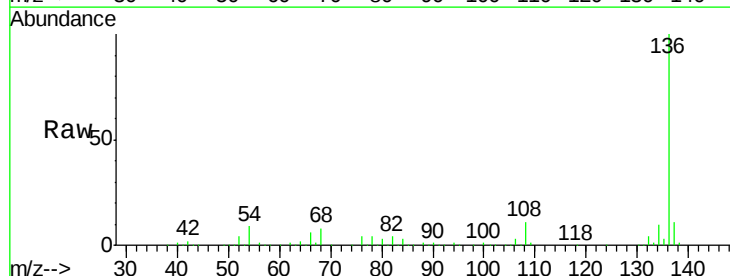
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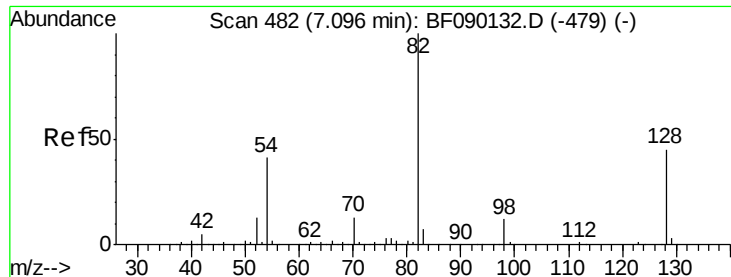
Tgt Ion: 70 Resp: 93678
Ion Ratio Lower Upper
70 100
42 37.4 35.1 52.7
101 0.0 7.5 11.3#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.76 min Scan# 540
Delta R.T. -0.01 min
Lab File: BF090267.D
Acq: 27 Sep 2016 22:16

Tgt Ion: 136 Resp: 543960
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 8.6 6.4 9.6
68 8.1 6.3 9.5

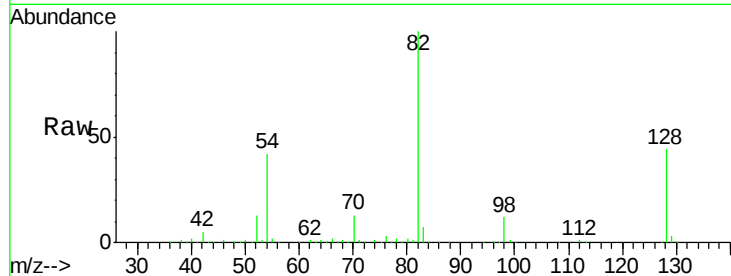




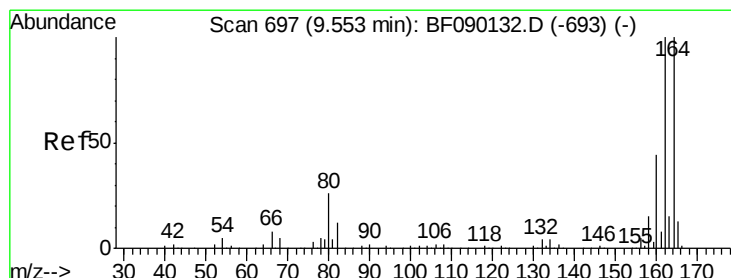
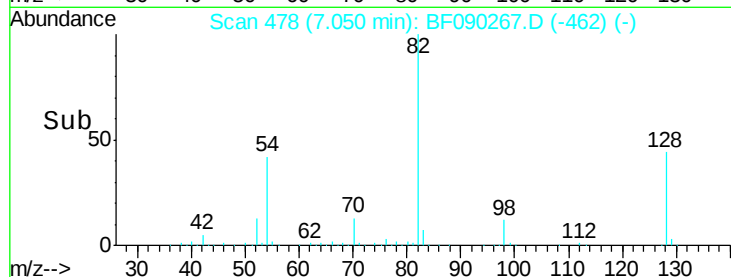
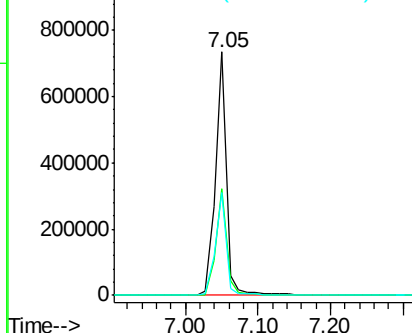
#23
 Nitrobenzene-d5
 Concen: 83.45 ng
 RT: 7.05 min Scan# 478
 Delta R.T. -0.01 min
 Lab File: BF090267.D
 Acq: 27 Sep 2016 22:16

Instrument :
 BNA_F
 ClientSampleId :
 S-3-2-LOC-3(10-15)

Tgt Ion: 82 Resp: 783101
 Ion Ratio Lower Upper
 82 100
 128 44.0 37.5 56.3
 54 42.4 31.9 47.9

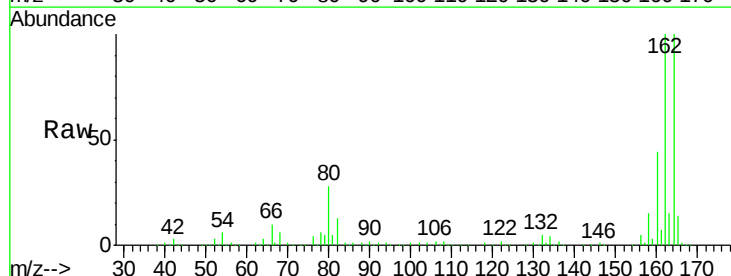


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

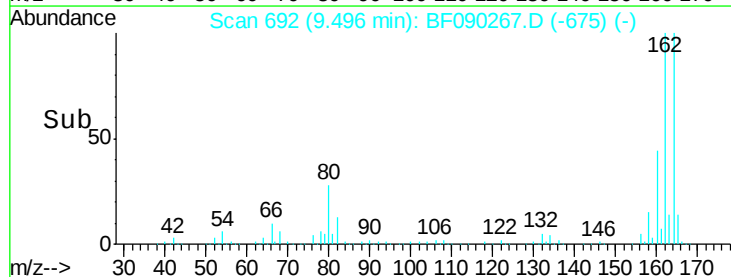
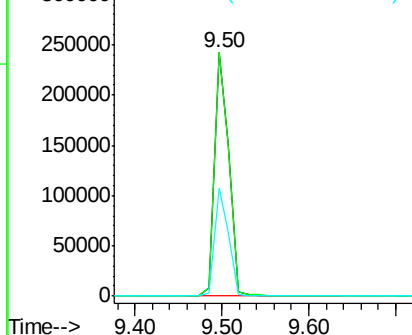


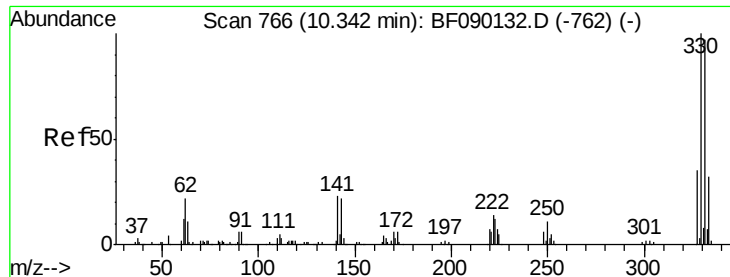
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.50 min Scan# 692
 Delta R.T. -0.01 min
 Lab File: BF090267.D
 Acq: 27 Sep 2016 22:16

Tgt Ion: 164 Resp: 281986
 Ion Ratio Lower Upper
 164 100
 162 99.8 81.4 122.2
 160 44.5 36.6 54.8



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

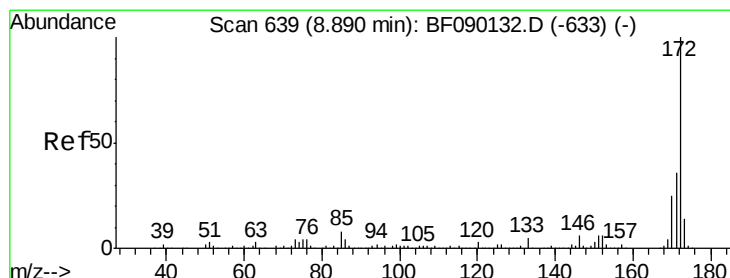
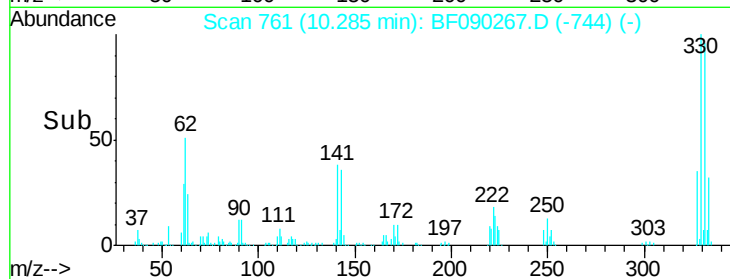
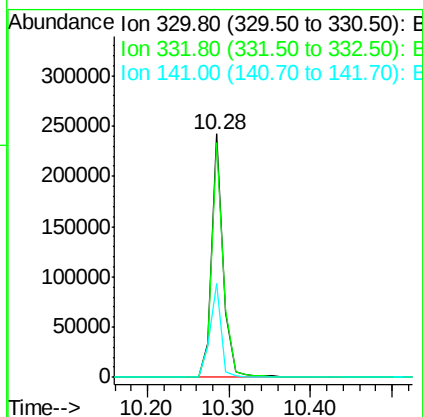
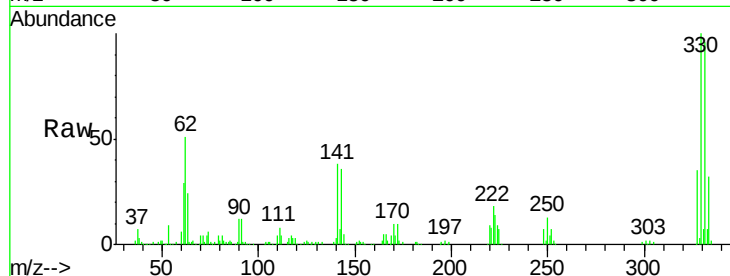




#41
 2,4,6-Tribromophenol
 Concen: 101.01 ng
 RT: 10.28 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: BF090267.D
 Acq: 27 Sep 2016 22:16

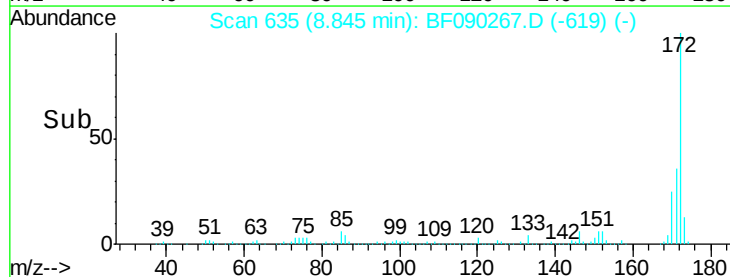
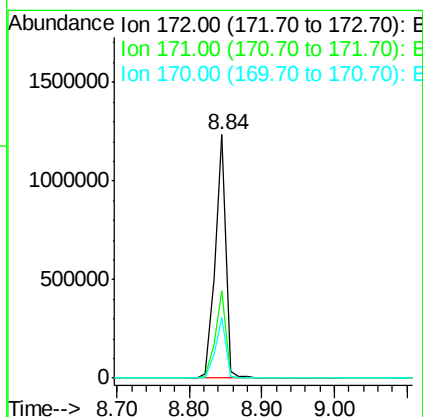
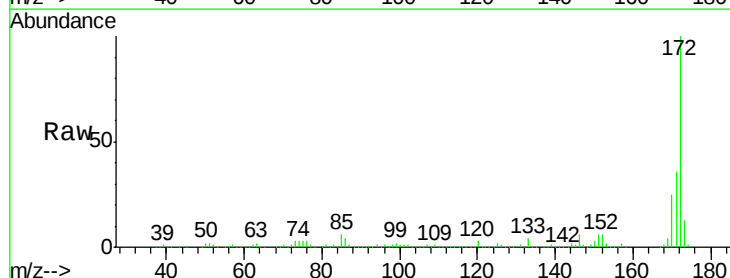
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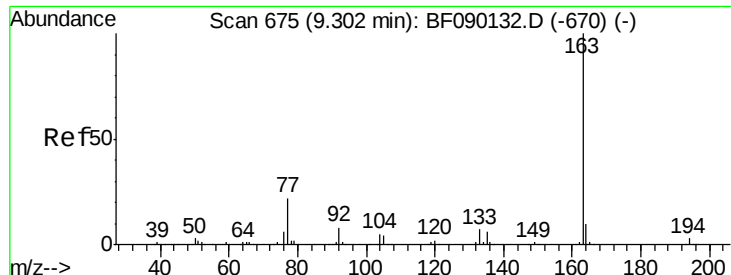
Tgt Ion:330 Resp: 244375
 Ion Ratio Lower Upper
 330 100
 332 97.5 78.1 117.1
 141 37.9 23.9 35.9#



#44
 2-Fluorobiphenyl
 Concen: 87.49 ng
 RT: 8.84 min Scan# 635
 Delta R.T. -0.01 min
 Lab File: BF090267.D
 Acq: 27 Sep 2016 22:16

Tgt Ion:172 Resp: 1256621
 Ion Ratio Lower Upper
 172 100
 171 36.1 29.2 43.8
 170 24.7 19.8 29.8

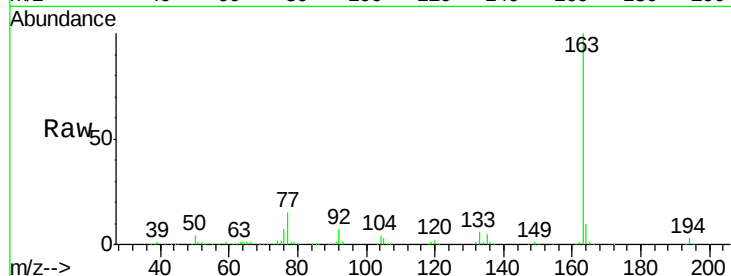




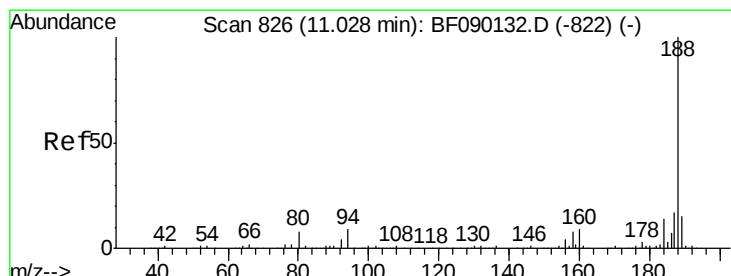
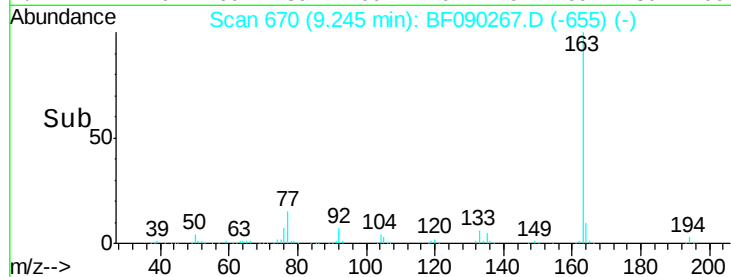
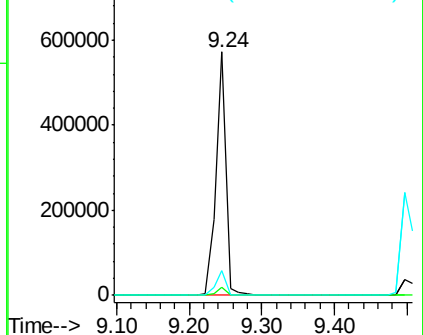
#49
Dimethylphthalate
Concen: 30.16 ng
RT: 9.24 min Scan# 670
Delta R.T. -0.02 min
Lab File: BF090267.D
Acq: 27 Sep 2016 22:16

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:163 Resp: 541677
Ion Ratio Lower Upper
163 100
194 3.5 2.8 4.2
164 10.0 8.1 12.1

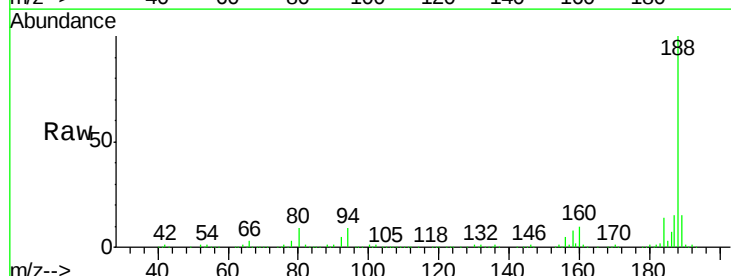


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

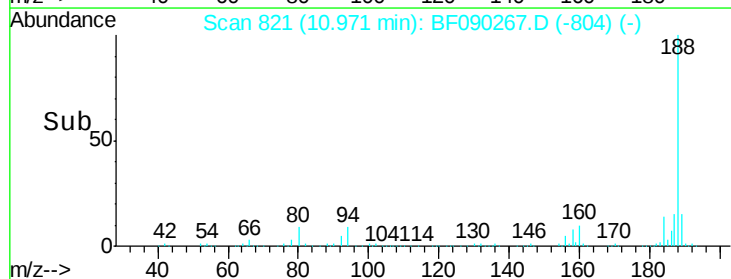
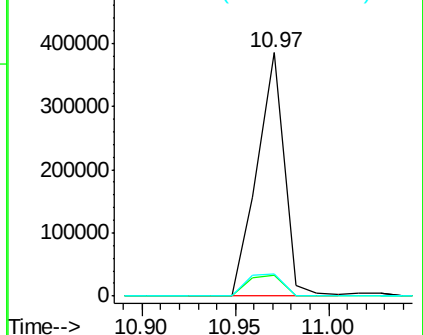


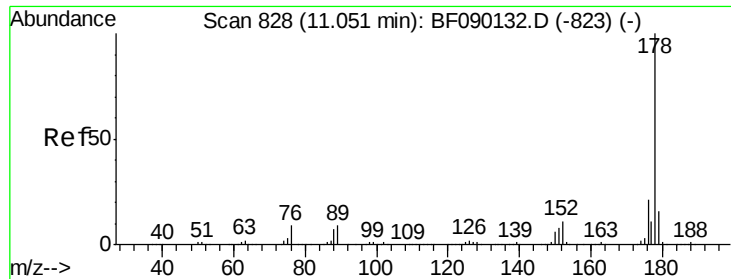
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.97 min Scan# 821
Delta R.T. -0.01 min
Lab File: BF090267.D
Acq: 27 Sep 2016 22:16

Tgt Ion:188 Resp: 388138
Ion Ratio Lower Upper
188 100
94 8.8 10.5 15.7#
80 9.1 11.2 16.8#



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

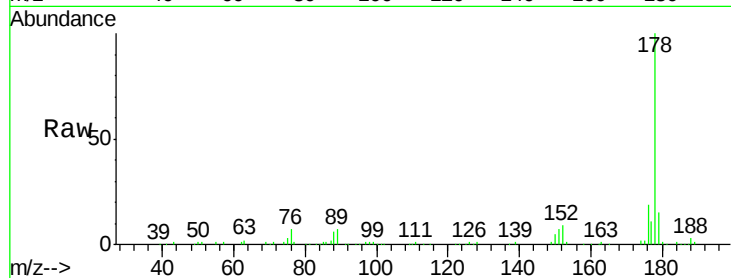




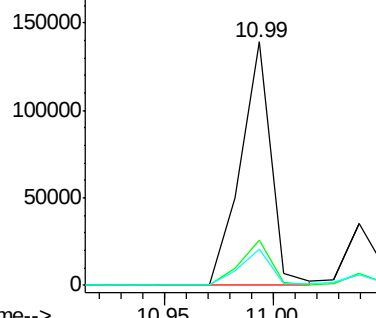
#70
Phenanthrene
Concen: 7.52 ng
RT: 10.99 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF090267.D
Acq: 27 Sep 2016 22:16

Instrument :
BNA_F
ClientSampleId :
S-3-2-LOC-3(10-15)

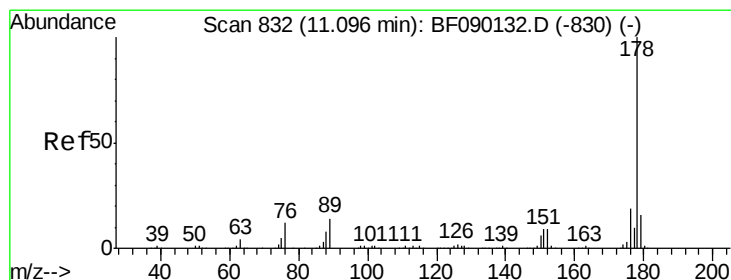
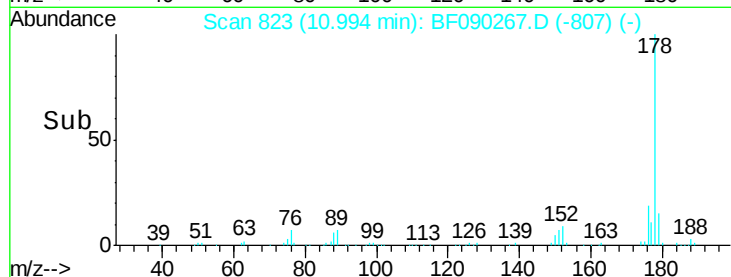
Tgt Ion:178 Resp: 136463
Ion Ratio Lower Upper
178 100
176 18.6 15.9 23.9
179 14.6 12.9 19.3



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

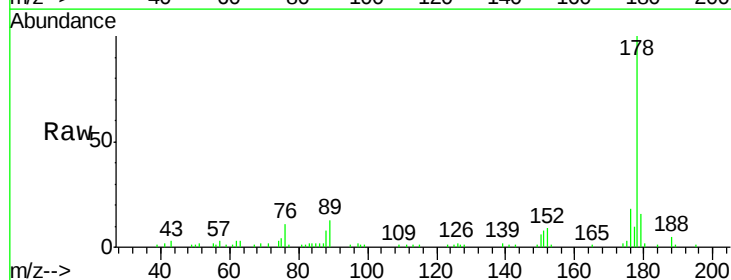


Time-->

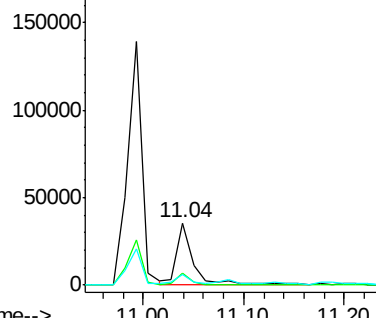


#71
Anthracene
Concen: 2.12 ng
RT: 11.04 min Scan# 827
Delta R.T. -0.02 min
Lab File: BF090267.D
Acq: 27 Sep 2016 22:16

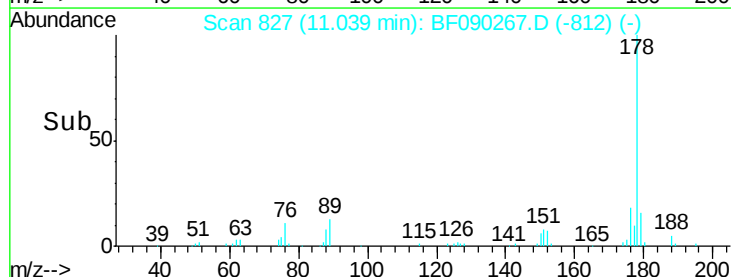
Tgt Ion:178 Resp: 40424
Ion Ratio Lower Upper
178 100
176 18.3 15.8 23.6
179 16.5 12.6 19.0

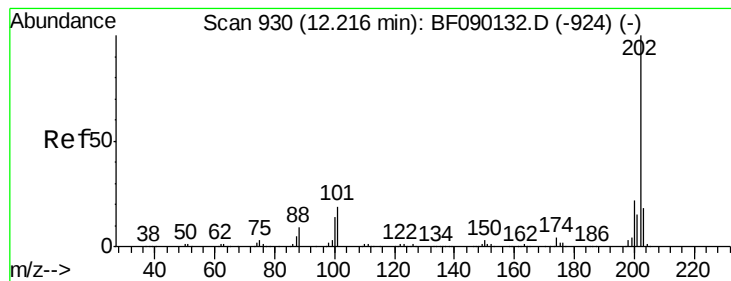


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E



Time-->





#74

Fluoranthene

Concen: 19.69 ng

RT: 12.17 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF090267.D

Acq: 27 Sep 2016 22:16

Instrument :

BNA_F

ClientSampleId :

S-3-2-LOC-3(10-15)

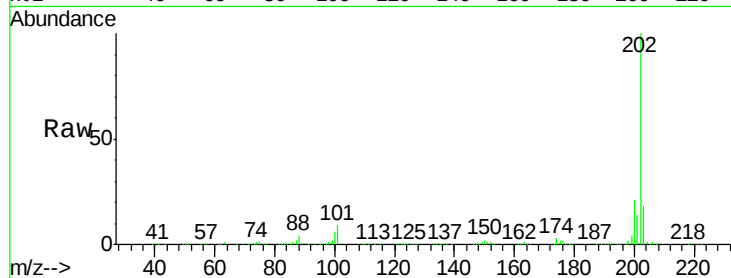
Tgt Ion: 202 Resp: 383735

Ion Ratio Lower Upper

202 100

101 8.8 0.0 36.1

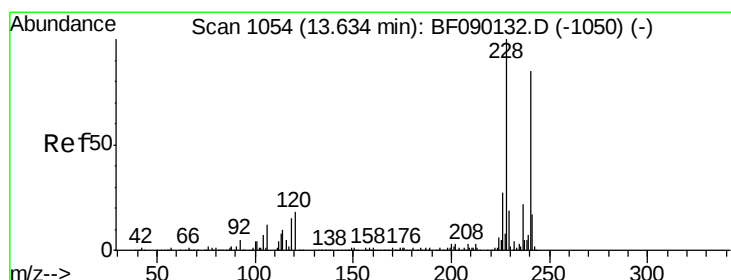
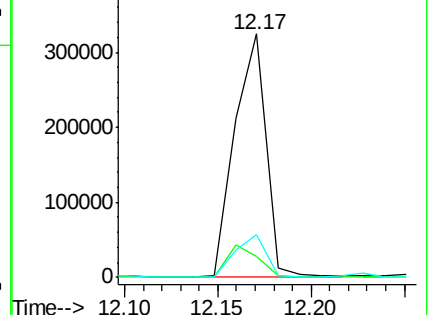
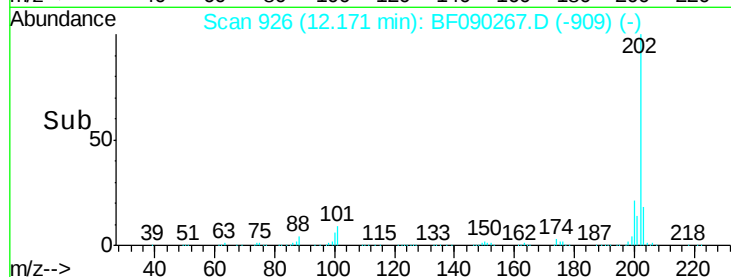
203 17.5 0.0 38.2



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: 13.58 min Scan# 1049

Delta R.T. -0.02 min

Lab File: BF090267.D

Acq: 27 Sep 2016 22:16

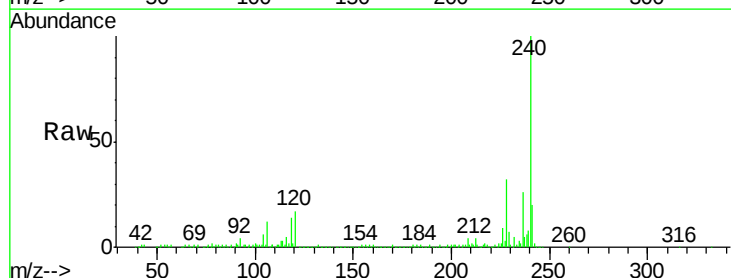
Tgt Ion: 240 Resp: 280030

Ion Ratio Lower Upper

240 100

120 17.1 10.6 16.0#

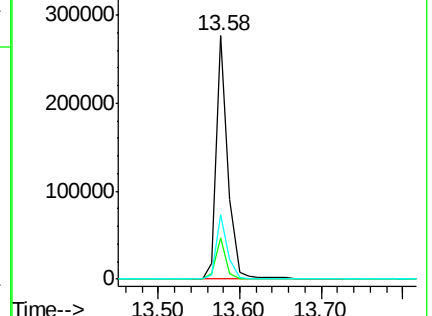
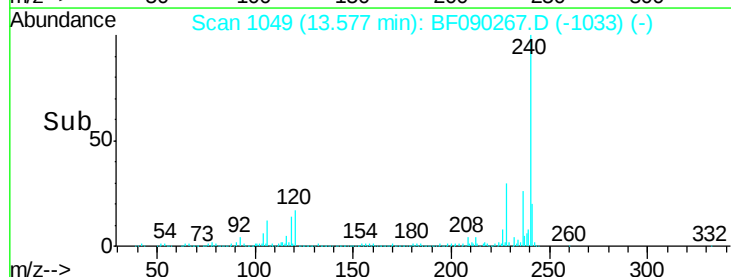
236 26.4 21.6 32.4

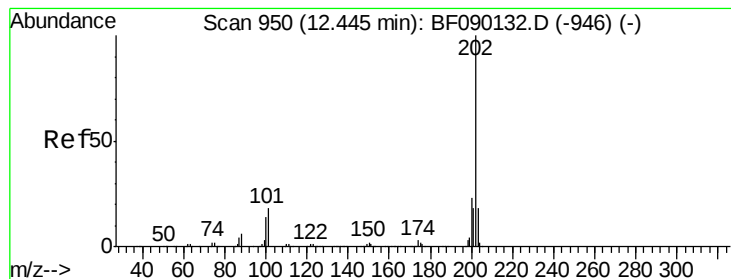


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 20.09 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF090267.D

Acq: 27 Sep 2016 22:16

Instrument :

BNA_F

ClientSampleId :

S-3-2-LOC-3(10-15)

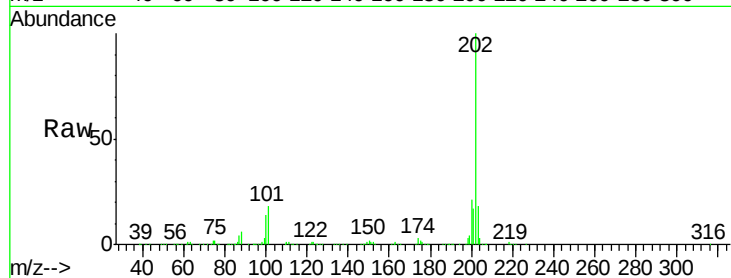
Tgt Ion:202 Resp: 384989

Ion Ratio Lower Upper

202 100

200 21.3 17.9 26.9

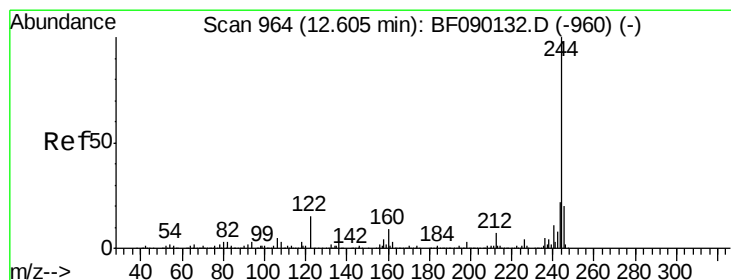
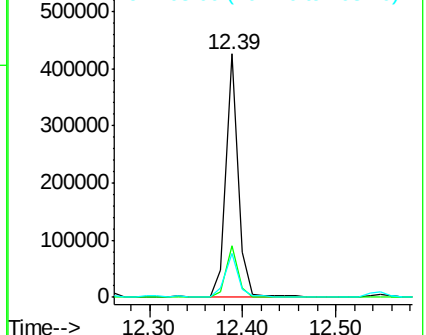
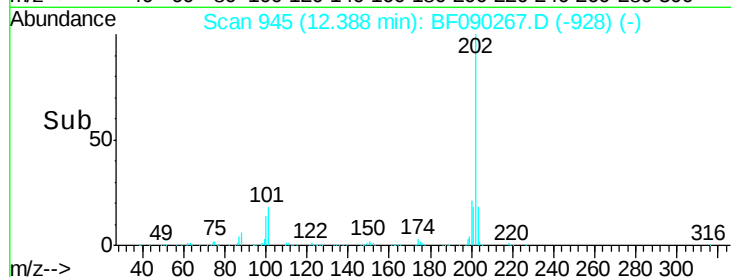
203 18.0 14.2 21.4



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: 61.86 ng

RT: 12.55 min Scan# 959

Delta R.T. -0.01 min

Lab File: BF090267.D

Acq: 27 Sep 2016 22:16

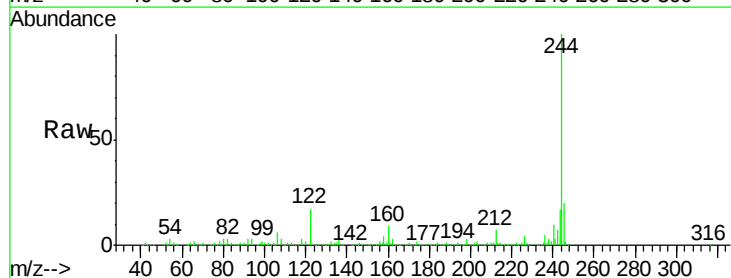
Tgt Ion:244 Resp: 682349

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

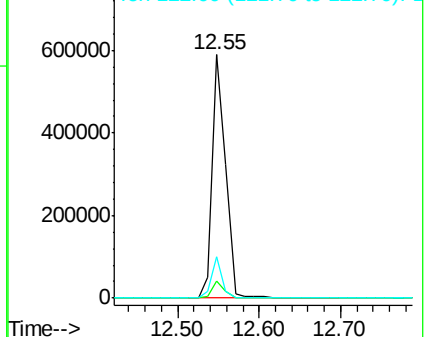
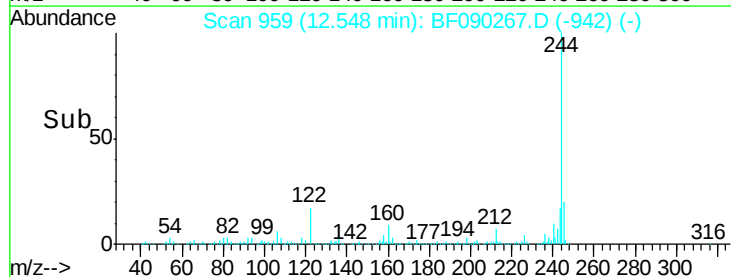
122 17.1 9.4 14.0#

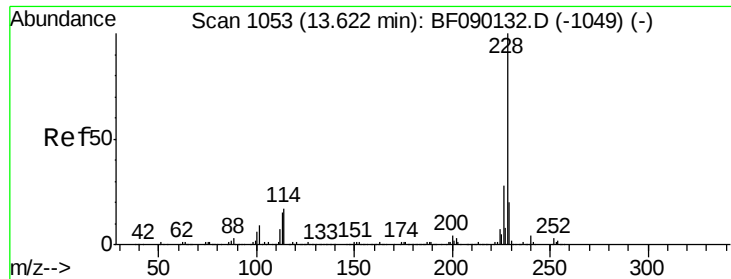


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 13.23 ng

RT: 13.57 min Scan# 1048

Delta R.T. -0.02 min

Lab File: BF090267.D

Acq: 27 Sep 2016 22:16

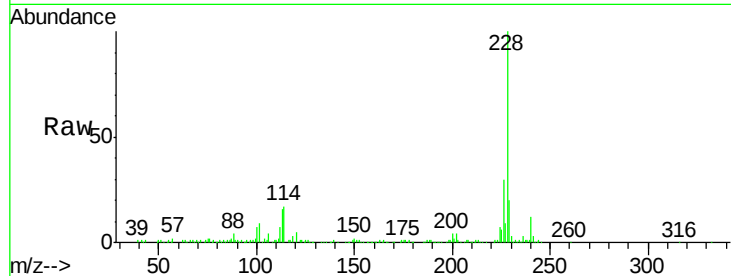
Instrument :

BNA_F

ClientSampleId :

S-3-2-LOC-3(10-15)

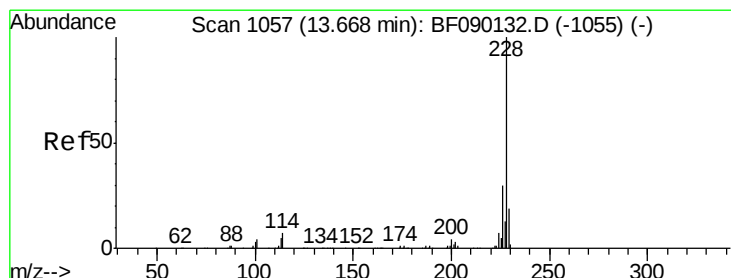
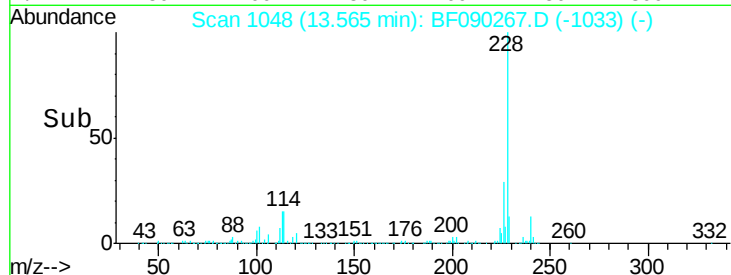
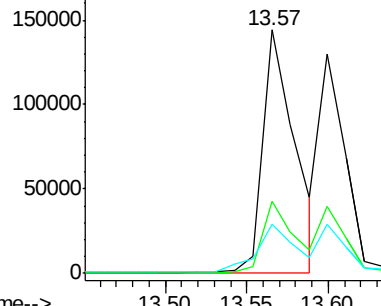
Tgt Ion:	228	Resp:	199354
Ion	Ratio	Lower	Upper
228	100		
226	29.5	22.0	33.0
229	20.2	16.2	24.2



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: 13.58 ng

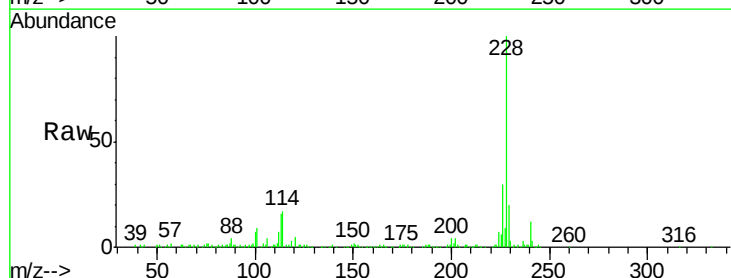
RT: 13.57 min Scan# 1048

Delta R.T. -0.06 min

Lab File: BF090267.D

Acq: 27 Sep 2016 22:16

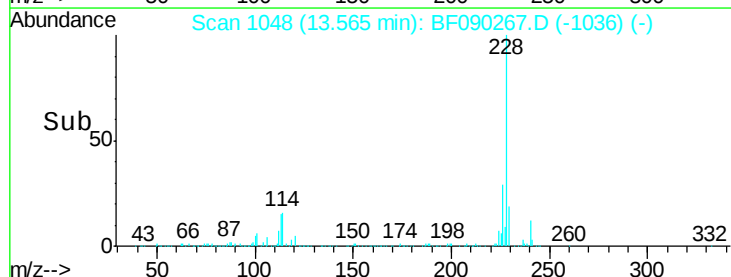
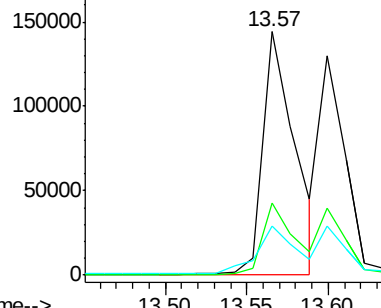
Tgt Ion:	228	Resp:	199354
Ion	Ratio	Lower	Upper
228	100		
226	29.5	24.6	37.0
229	20.2	16.2	24.4

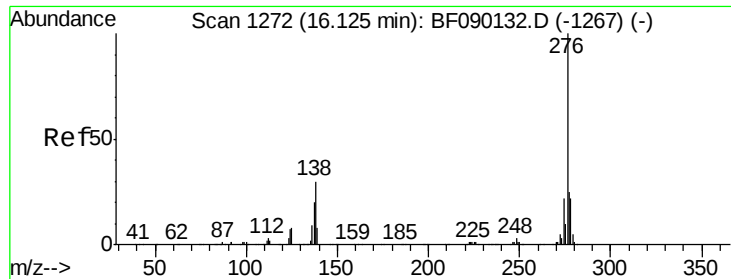


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

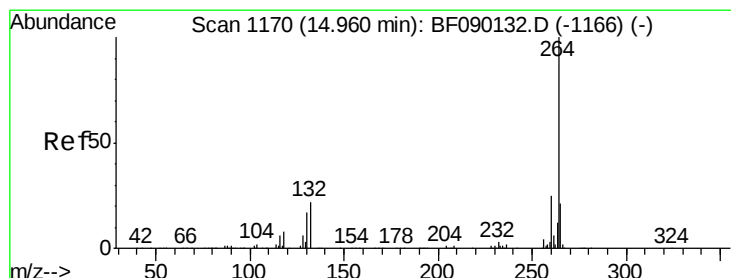
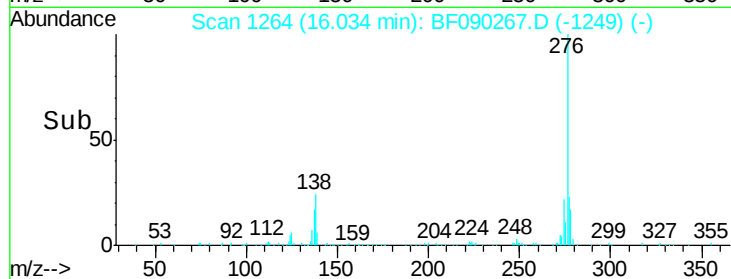
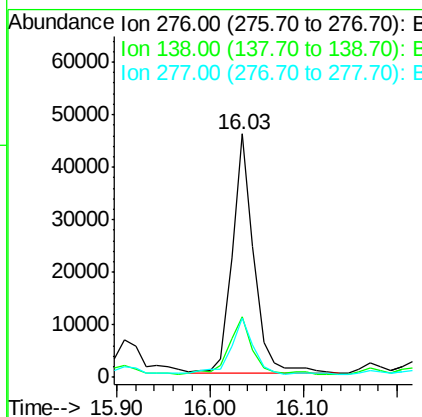
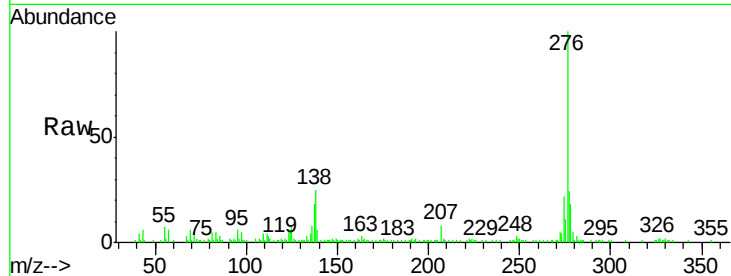




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.23 ng
 RT: 16.03 min Scan# 1264
 Delta R.T. -0.02 min
 Lab File: BF090267.D
 Acq: 27 Sep 2016 22:16

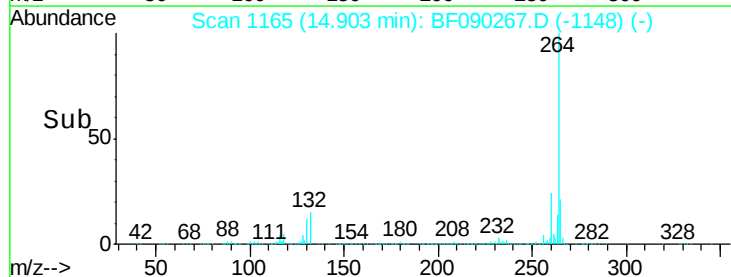
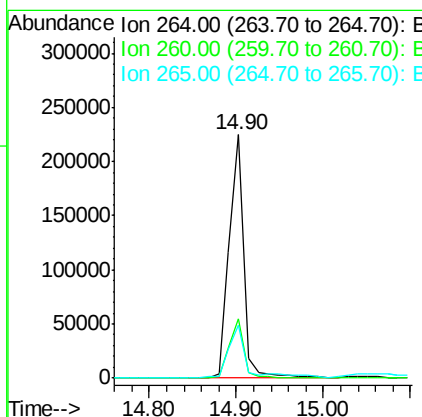
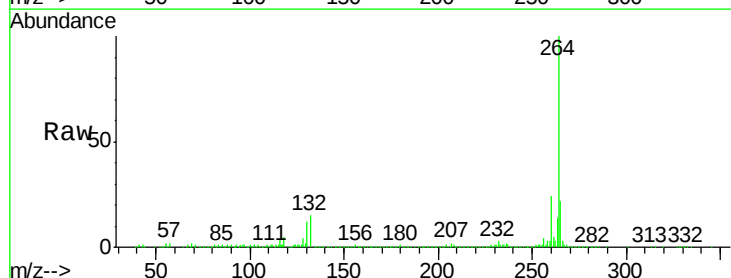
Instrument :
 BNA_F
 ClientSampleId :
 S-3-2-LOC-3(10-15)

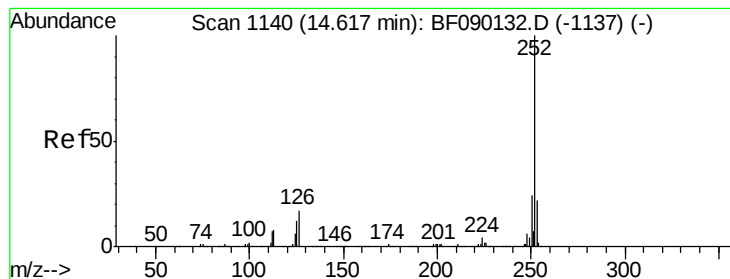
Tgt Ion	Ratio	Lower	Upper
276	100		
138	24.4	25.9	38.9#
277	24.7	19.9	29.9



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 14.90 min Scan# 1165
 Delta R.T. -0.01 min
 Lab File: BF090267.D
 Acq: 27 Sep 2016 22:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.1	19.5	29.3
265	21.6	17.0	25.4





#87

Benzo(b)fluoranthene

Concen: 18.70 ng

RT: 14.56 min Scan# 1135

Delta R.T. -0.01 min

Lab File: BF090267.D

Acq: 27 Sep 2016 22:16

Instrument :

BNA_F

ClientSampleId :

S-3-2-LOC-3(10-15)

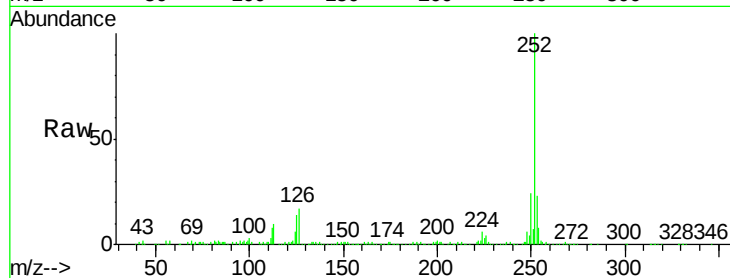
Tgt Ion:252 Resp: 272480

Ion Ratio Lower Upper

252 100

253 23.3 17.9 26.9

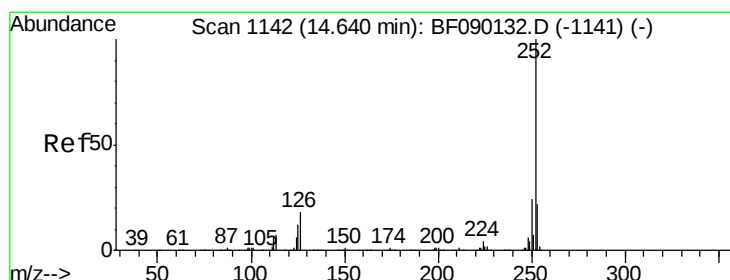
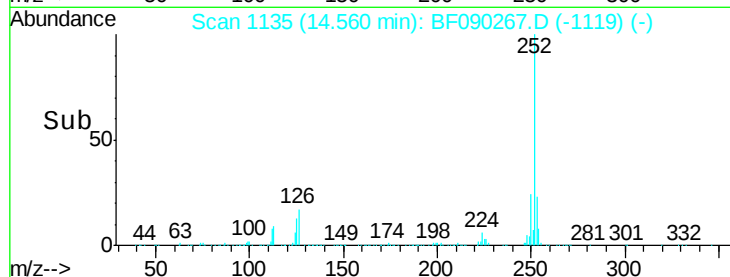
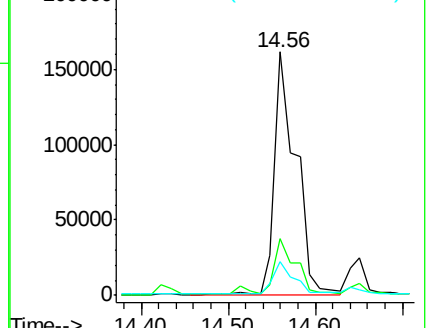
125 13.9 12.7 19.1



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: 19.92 ng

RT: 14.56 min Scan# 1135

Delta R.T. -0.03 min

Lab File: BF090267.D

Acq: 27 Sep 2016 22:16

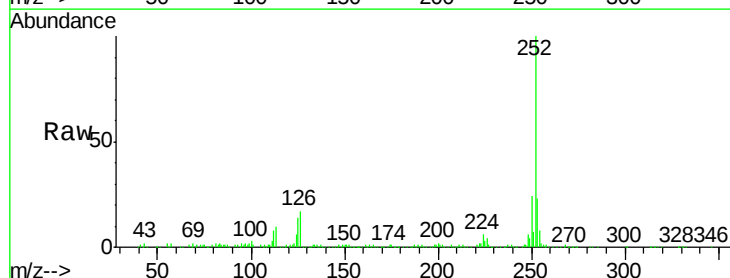
Tgt Ion:252 Resp: 272480

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.8

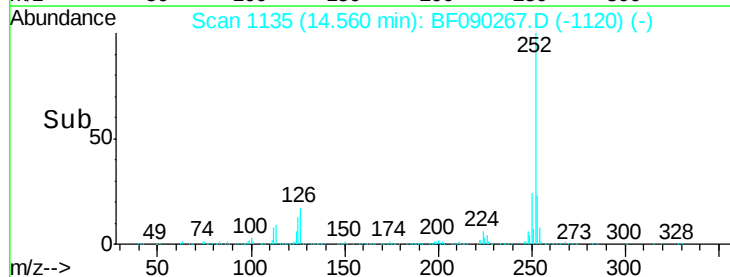
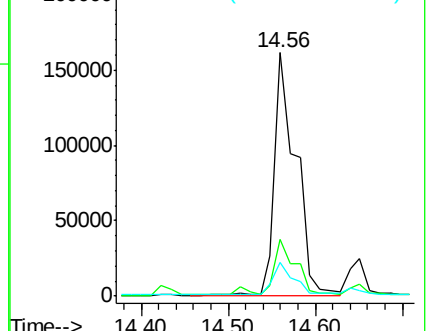
125 13.9 7.8 11.6#

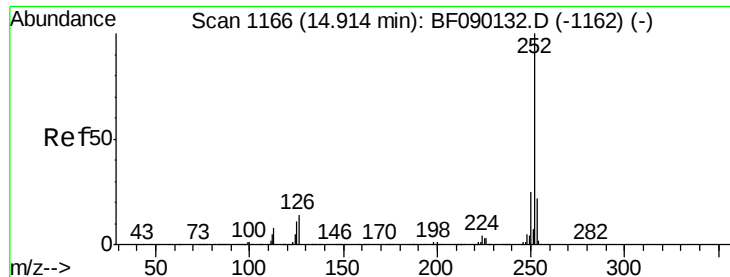


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 10.65 ng

RT: 14.85 min Scan# 1160

Delta R.T. -0.02 min

Lab File: BF090267.D

Acq: 27 Sep 2016 22:16

Instrument :

BNA_F

ClientSampleId :

S-3-2-LOC-3(10-15)

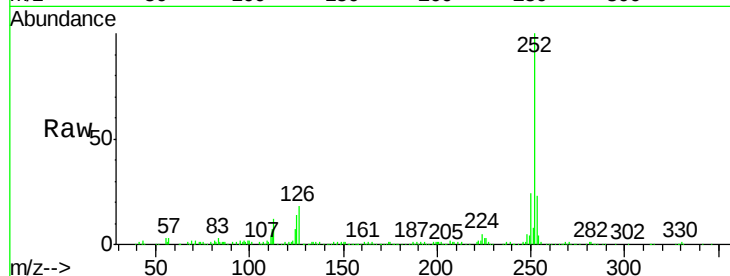
Tgt Ion: 252 Resp: 145985

Ion Ratio Lower Upper

252 100

253 23.3 17.4 26.0

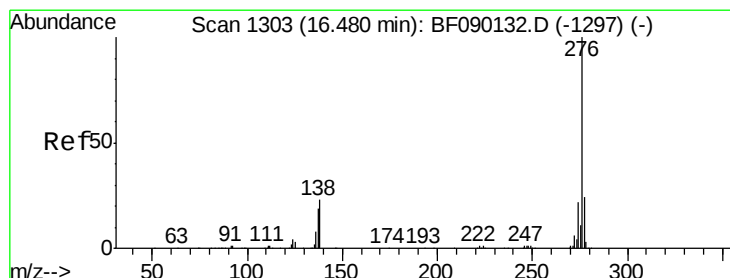
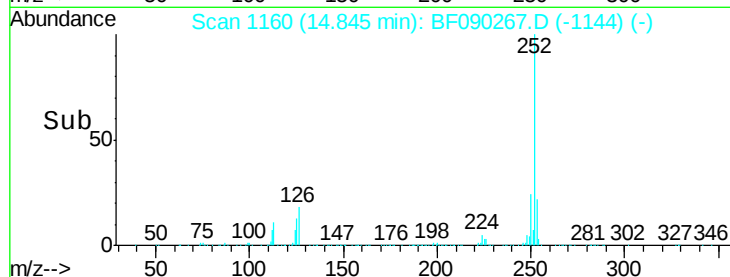
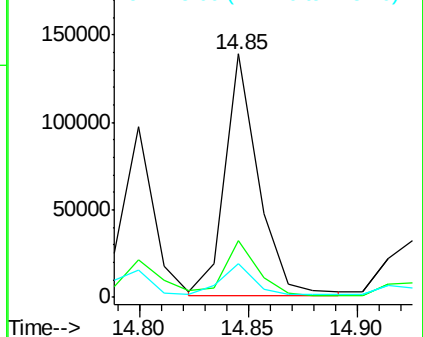
125 14.0 7.7 11.5#



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: 6.36 ng

RT: 16.37 min Scan# 1293

Delta R.T. -0.03 min

Lab File: BF090267.D

Acq: 27 Sep 2016 22:16

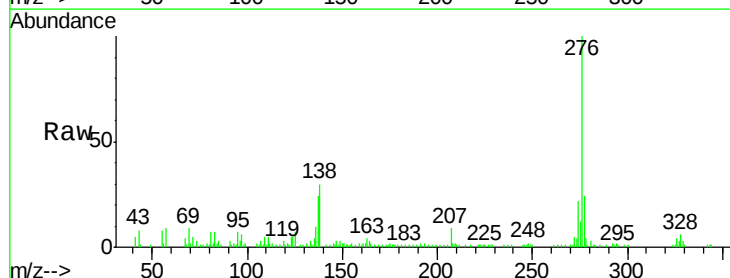
Tgt Ion: 276 Resp: 66631

Ion Ratio Lower Upper

276 100

277 24.0 18.9 28.3

138 29.7 23.3 34.9



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

