

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092616\
 Data File : BF090237.D
 Acq On : 26 Sep 2016 22:29
 Operator : UM/SJ
 Sample : H4898-01RE
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 CAM-SELECTFILLRE

Quant Time: Sep 27 01:22:10 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

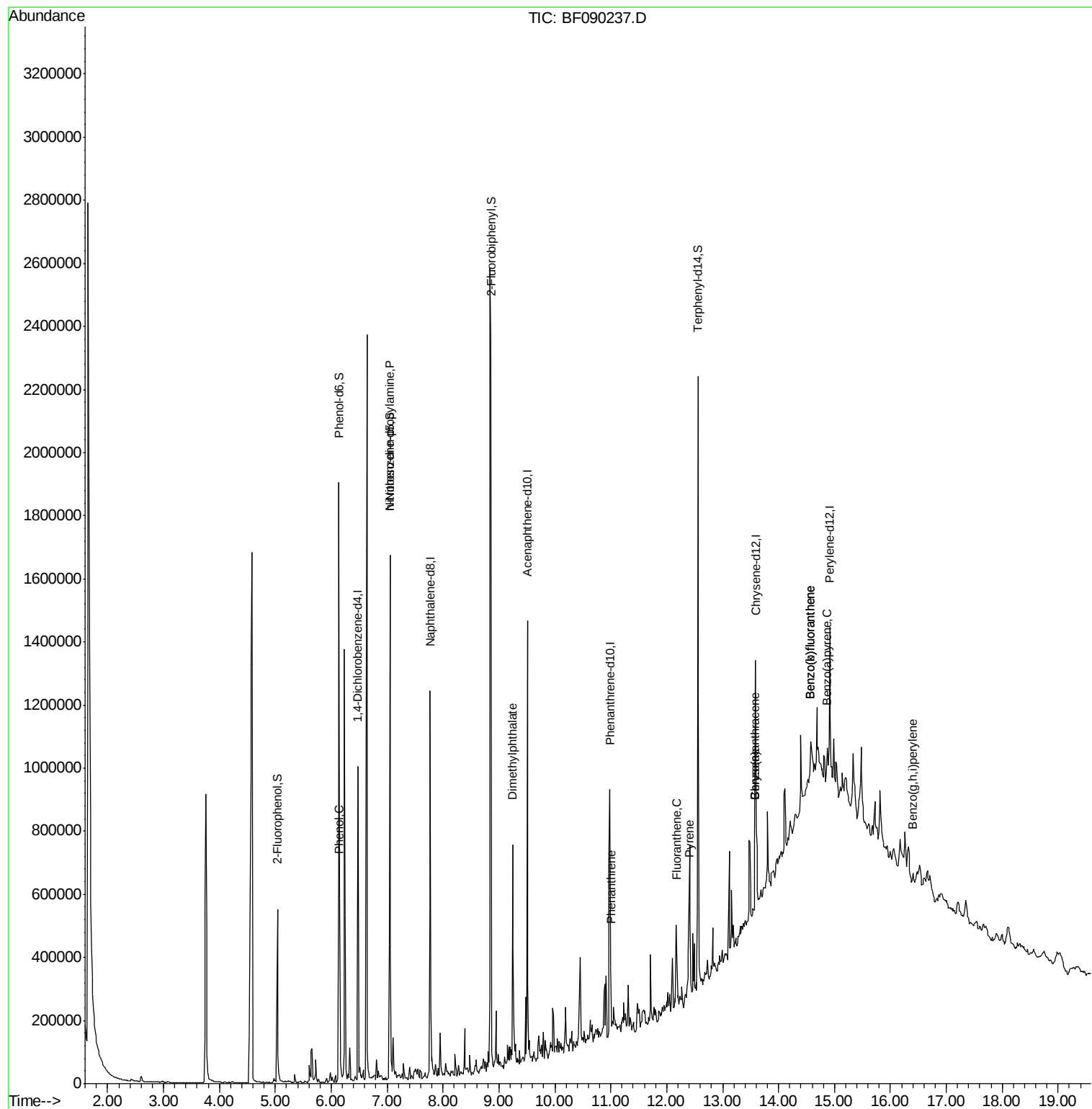
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.48	152	161391	20.00	ng	0.00
21) Naphthalene-d8	7.77	136	617858	20.00	ng	0.00
38) Acenaphthene-d10	9.51	164	287674	20.00	ng	0.00
63) Phenanthrene-d10	10.98	188	400554	20.00	ng	0.00
75) Chrysene-d12	13.59	240	287054	20.00	ng	-0.01
86) Perylene-d12	14.91	264	224194	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.04	112	228215	23.05	ng	0.01
7) Phenol-d6	6.14	99	876472	71.68	ng	0.00
23) Nitrobenzene-d5	7.05	82	678410	63.65	ng	-0.01
41) 2,4,6-Tribromophenol	10.30	330	2429	0.98	ng	0.00
44) 2-Fluorobiphenyl	8.86	172	1299135	88.66	ng	0.00
78) Terphenyl-d14	12.56	244	780250	69.01	ng	0.00
Target Compounds						
10) Phenol	6.15	94	91788	6.35	ng	# 69
19) n-Nitroso-di-n-propylamine	7.05	70	81754	11.38	ng	# 80
49) Dimethylphthalate	9.24	163	360757	19.69	ng	99
70) Phenanthrene	11.01	178	120117	6.41	ng	98
74) Fluoranthene	12.17	202	131451	6.54	ng	97
77) Pyrene	12.40	202	116745	5.94	ng	97
80) Benzo(a)anthracene	13.58	228	61748	4.00	ng	# 91
82) Chrysene	13.58	228	61748	4.10	ng	# 95
87) Benzo(b)fluoranthene	14.57	252	71629	5.77	ng	# 70
88) Benzo(k)fluoranthene	14.57	252	71629	6.15	ng	# 67
89) Benzo(a)pyrene	14.87	252	35286	3.02	ng	# 62
91) Benzo(g,h,i)perylene	16.40	276	20272	2.27	ng	# 81

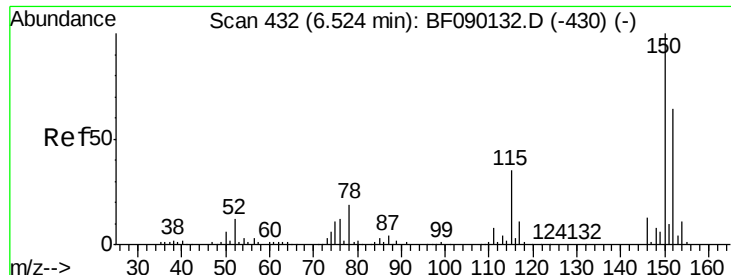
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF090237.D

Acq: 26 Sep 2016 22:29

Instrument :

BNA_F

ClientSampleId :

CAM-SELECTFILLRE

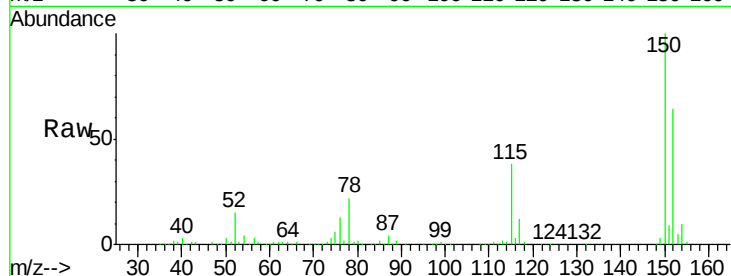
Tgt Ion:152 Resp: 161391

Ion Ratio Lower Upper

152 100

150 156.0 128.9 193.3

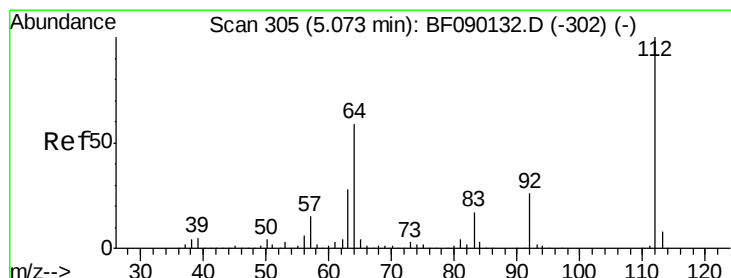
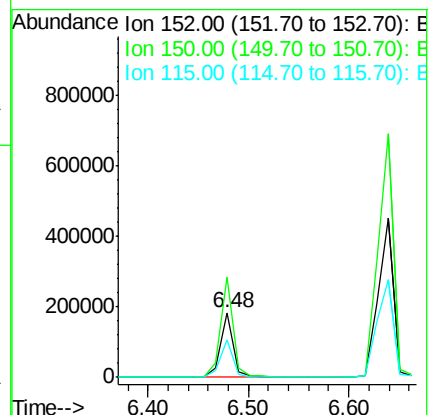
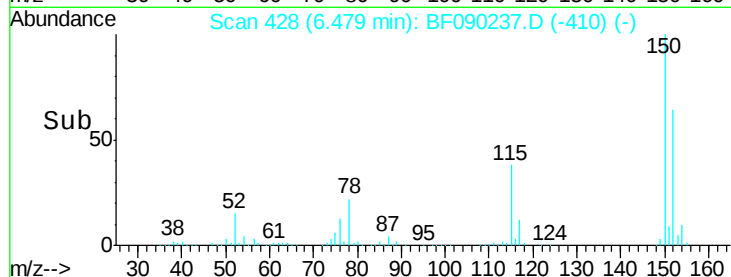
115 58.9 55.5 83.3



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: 23.05 ng

RT: 5.04 min Scan# 302

Delta R.T. 0.01 min

Lab File: BF090237.D

Acq: 26 Sep 2016 22:29

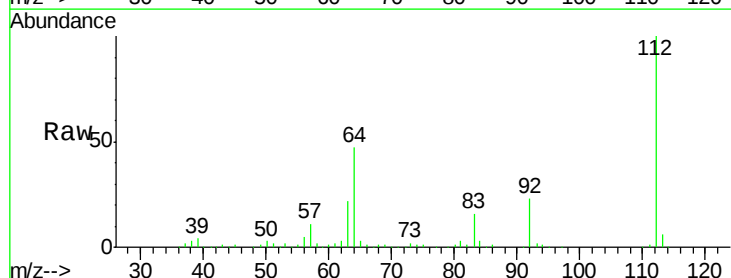
Tgt Ion:112 Resp: 228215

Ion Ratio Lower Upper

112 100

64 46.6 39.8 59.6

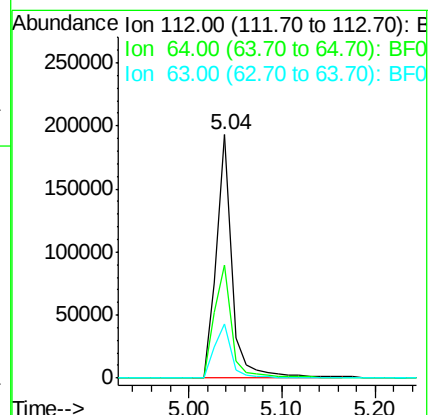
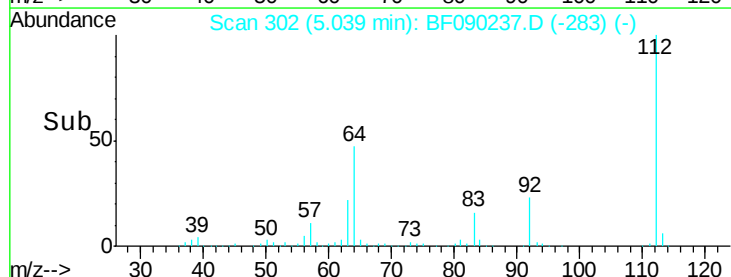
63 22.1 18.9 28.3

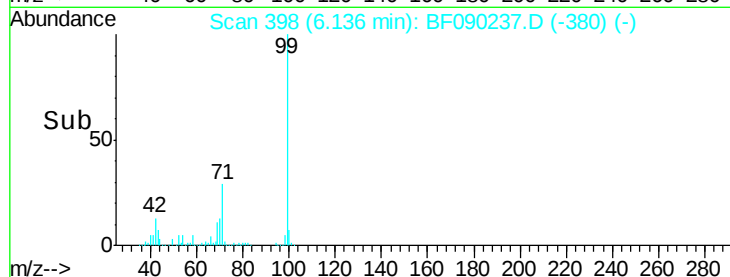
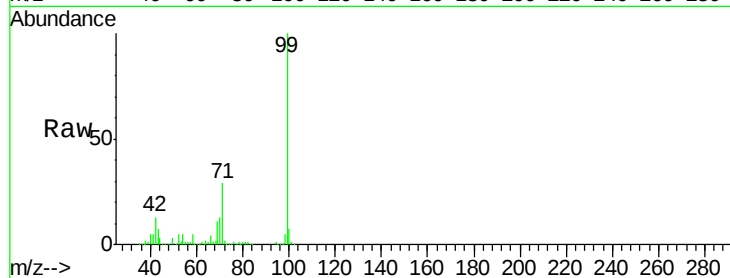
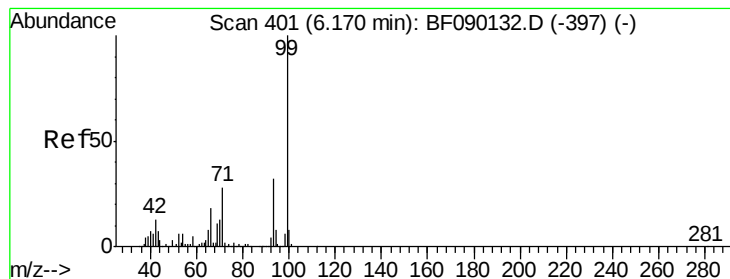


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 71.68 ng

RT: 6.14 min Scan# 398

Delta R.T. 0.00 min

Lab File: BF090237.D

Acq: 26 Sep 2016 22:29

Instrument :

BNA_F

ClientSampleId :

CAM-SELECTFILLRE

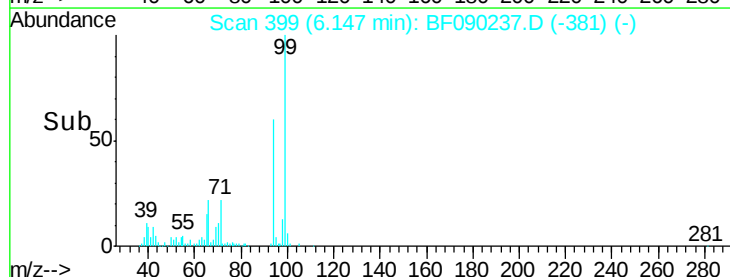
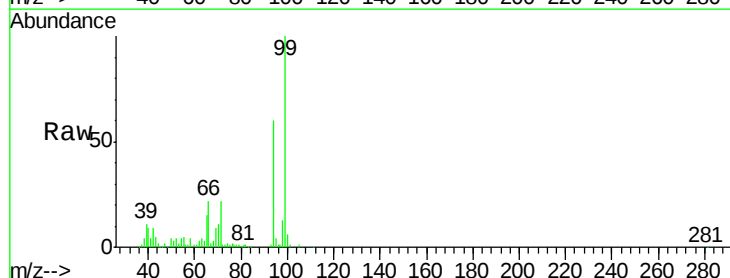
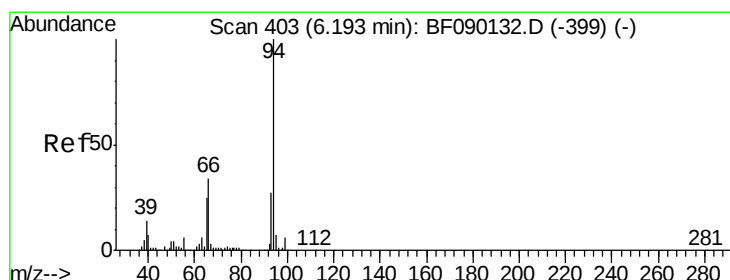
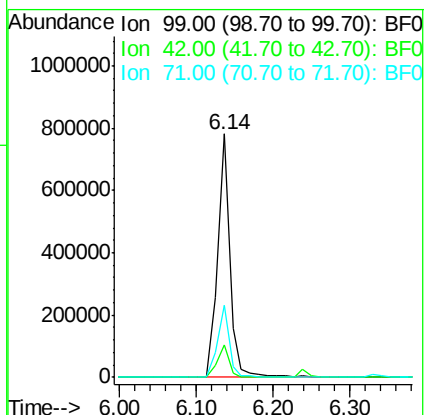
Tgt Ion: 99 Resp: 876472

Ion Ratio Lower Upper

99 100

42 13.2 10.6 15.8

71 29.4 23.0 34.6



#10

Phenol

Concen: 6.35 ng

RT: 6.15 min Scan# 399

Delta R.T. 0.00 min

Lab File: BF090237.D

Acq: 26 Sep 2016 22:29

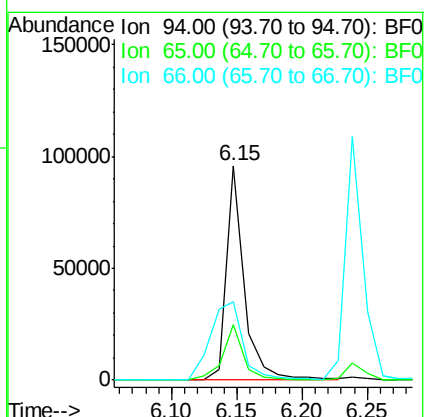
Tgt Ion: 94 Resp: 91788

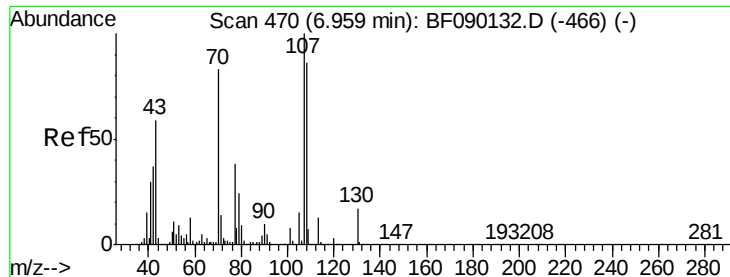
Ion Ratio Lower Upper

94 100

65 25.7 20.6 60.6

66 36.6 45.1 85.1#





#19

n-Nitroso-di-n-propylamine

Concen: 11.38 ng

RT: 7.05 min Scan# 478

Delta R.T. 0.14 min

Lab File: BF090237.D

Acq: 26 Sep 2016 22:29

Instrument :

BNA_F

ClientSampleId :

CAM-SELECTFILLRE

Tgt Ion: 70 Resp: 81754

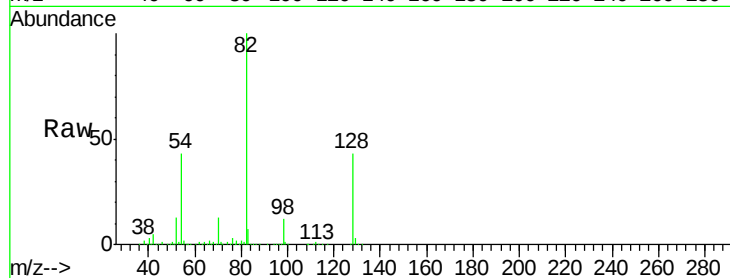
Ion Ratio Lower Upper

70 100

42 37.4 35.1 52.7

101 0.0 7.5 11.3#

130 2.2 16.6 25.0#

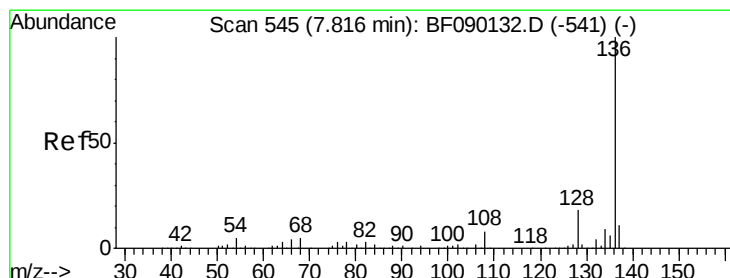
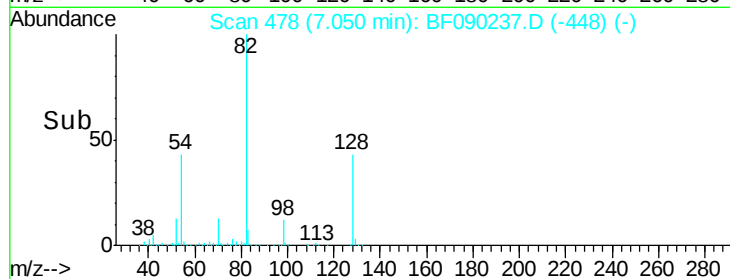
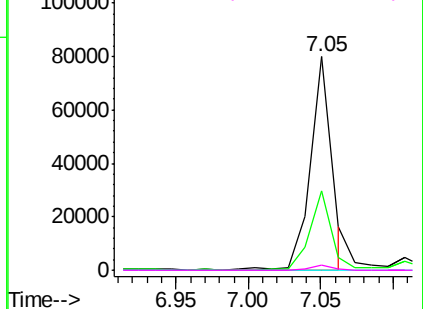


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.77 min Scan# 541

Delta R.T. 0.00 min

Lab File: BF090237.D

Acq: 26 Sep 2016 22:29

Tgt Ion: 136 Resp: 617858

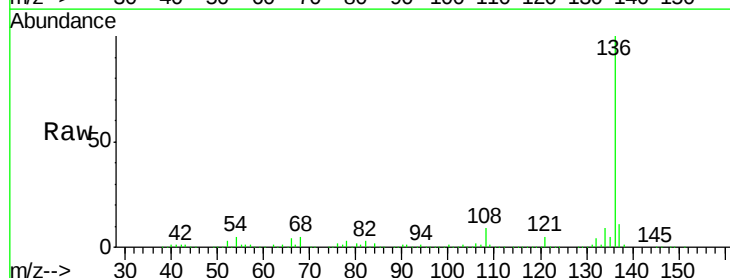
Ion Ratio Lower Upper

136 100

137 10.7 9.0 13.4

54 5.5 6.4 9.6#

68 5.4 6.3 9.5#

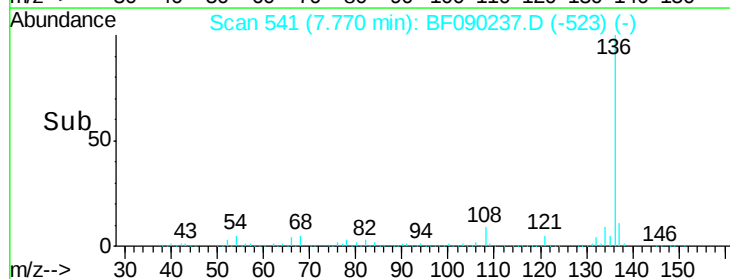
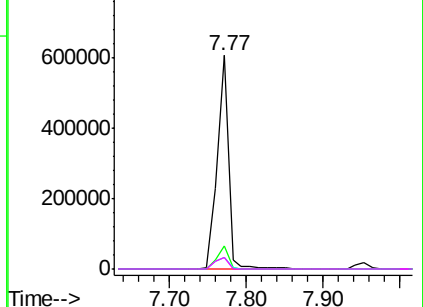


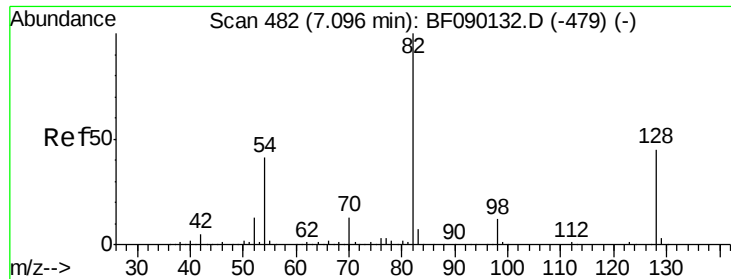
Abundance Ion 136.00 (135.70 to 136.70): E

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

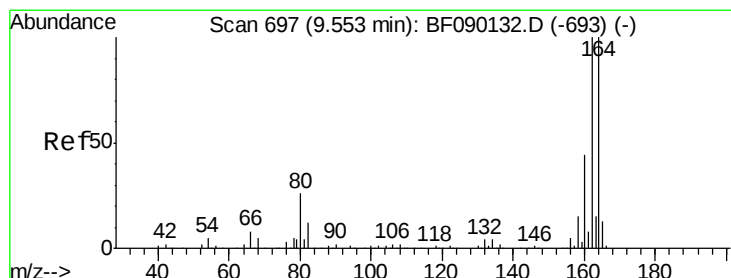
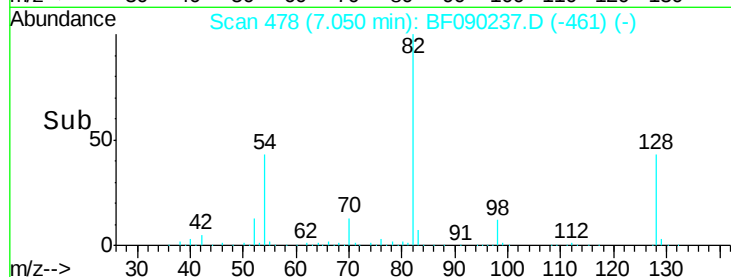
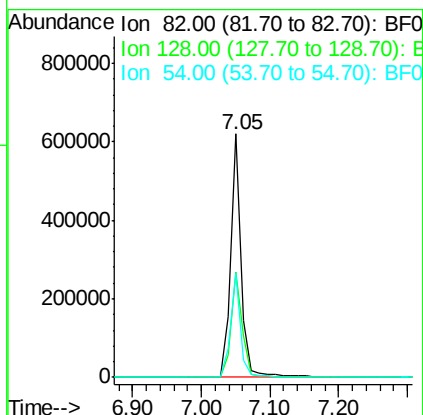
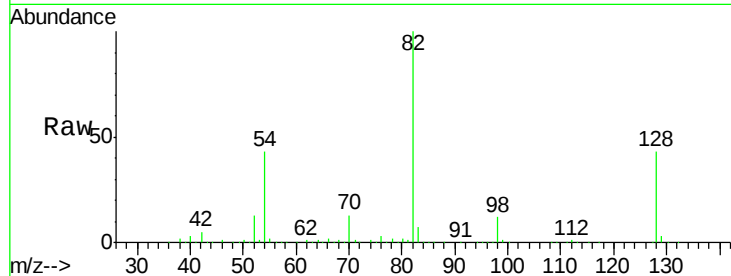




#23
 Nitrobenzene-d5
 Concen: 63.65 ng
 RT: 7.05 min Scan# 478
 Delta R.T. -0.01 min
 Lab File: BF090237.D
 Acq: 26 Sep 2016 22:29

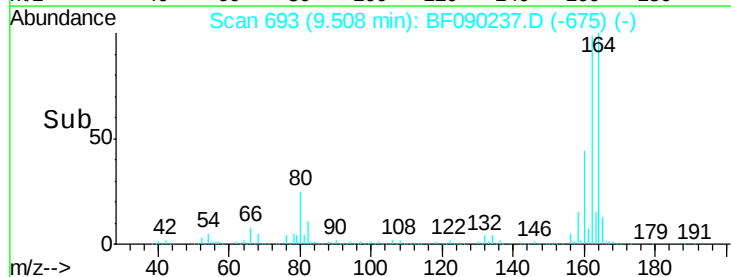
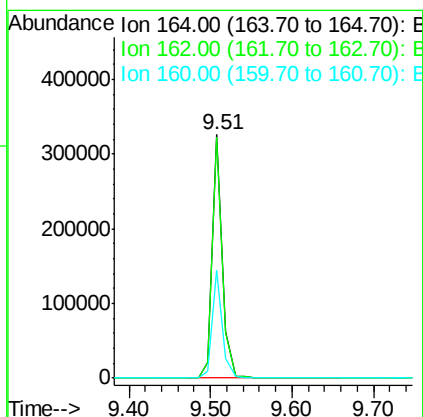
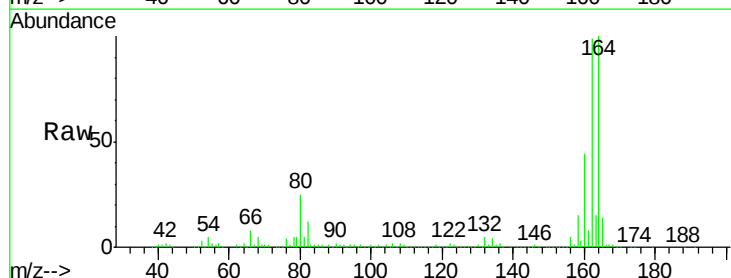
Instrument :
 BNA_F
 ClientSampleId :
 CAM-SELECTFILLRE

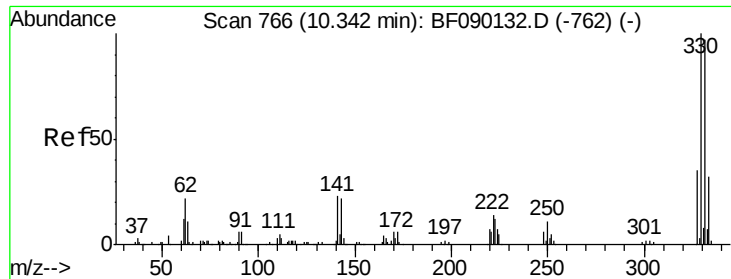
Tgt Ion: 82 Resp: 678410
 Ion Ratio Lower Upper
 82 100
 128 43.4 37.5 56.3
 54 42.7 31.9 47.9



#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.51 min Scan# 693
 Delta R.T. 0.00 min
 Lab File: BF090237.D
 Acq: 26 Sep 2016 22:29

Tgt Ion: 164 Resp: 287674
 Ion Ratio Lower Upper
 164 100
 162 99.2 81.4 122.2
 160 44.2 36.6 54.8

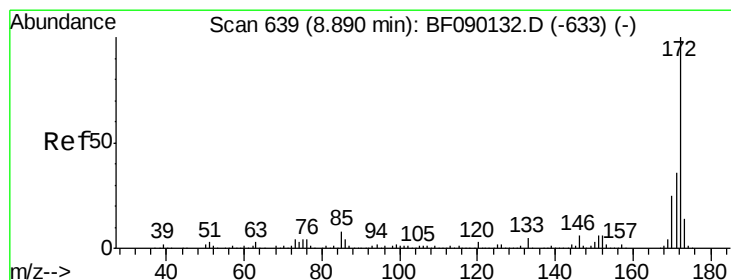
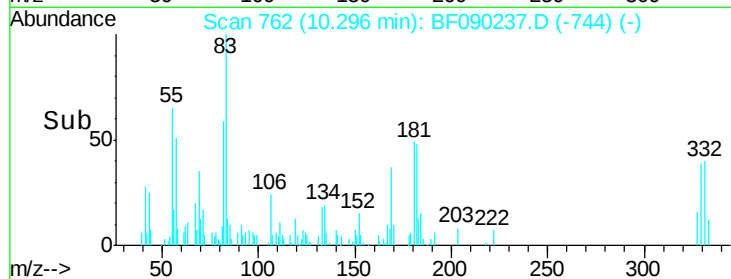
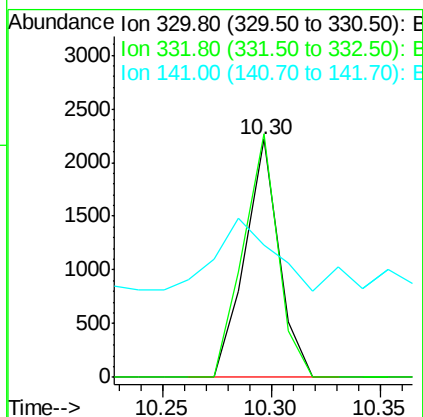
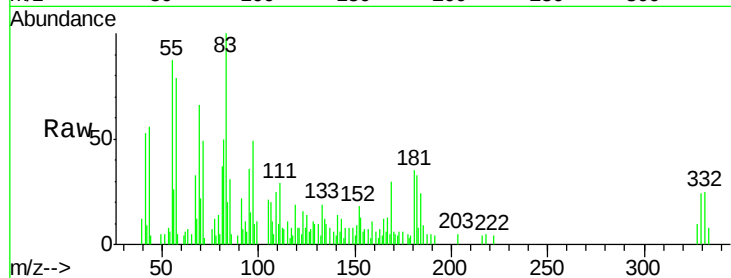




#41
 2,4,6-Tribromophenol
 Concen: 0.98 ng
 RT: 10.30 min Scan# 762
 Delta R.T. 0.00 min
 Lab File: BF090237.D
 Acq: 26 Sep 2016 22:29

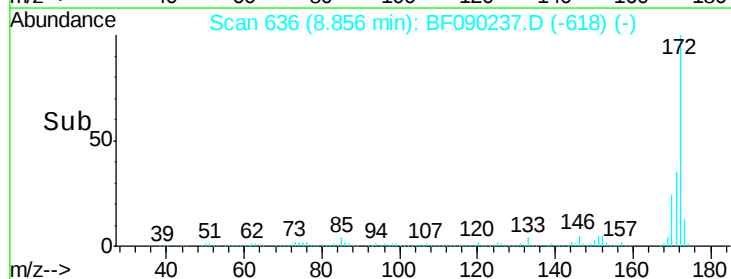
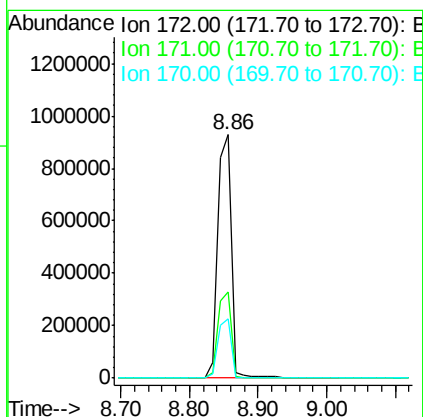
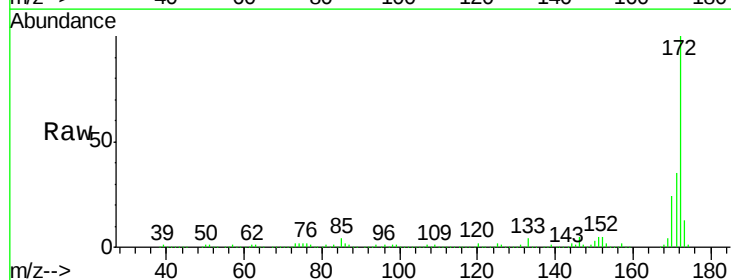
Instrument :
 BNA_F
 ClientSampleId :
 CAM-SELECTFILLRE

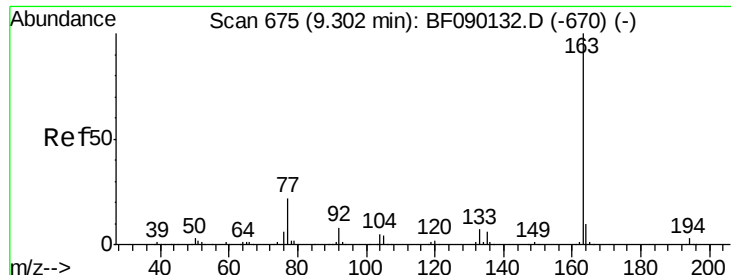
Tgt Ion:330 Resp: 2429
 Ion Ratio Lower Upper
 330 100
 332 104.0 78.1 117.1
 141 55.5 23.9 35.9#



#44
 2-Fluorobiphenyl
 Concen: 88.66 ng
 RT: 8.86 min Scan# 636
 Delta R.T. 0.00 min
 Lab File: BF090237.D
 Acq: 26 Sep 2016 22:29

Tgt Ion:172 Resp: 1299135
 Ion Ratio Lower Upper
 172 100
 171 35.3 29.2 43.8
 170 24.3 19.8 29.8





#49

Dimethylphthalate

Concen: 19.69 ng

RT: 9.24 min Scan# 670

Delta R.T. -0.02 min

Lab File: BF090237.D

Acq: 26 Sep 2016 22:29

Instrument :

BNA_F

ClientSampleId :

CAM-SELECTFILLRE

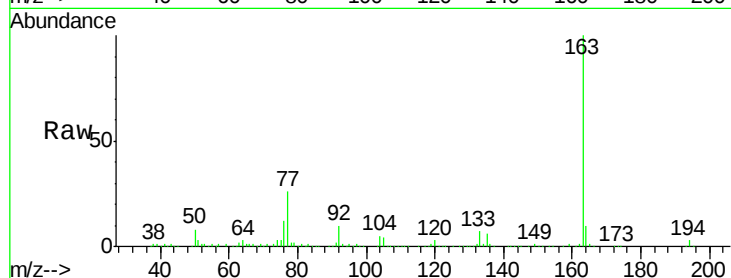
Tgt Ion:163 Resp: 360757

Ion Ratio Lower Upper

163 100

194 2.9 2.8 4.2

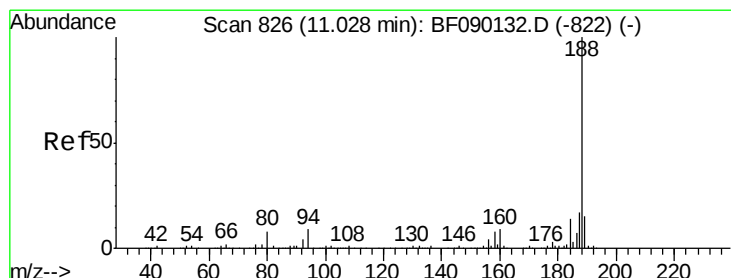
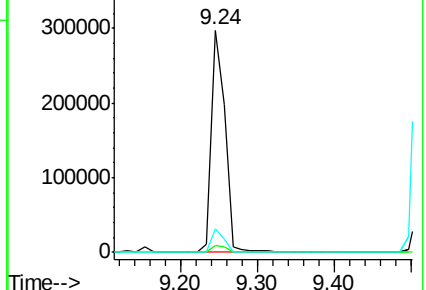
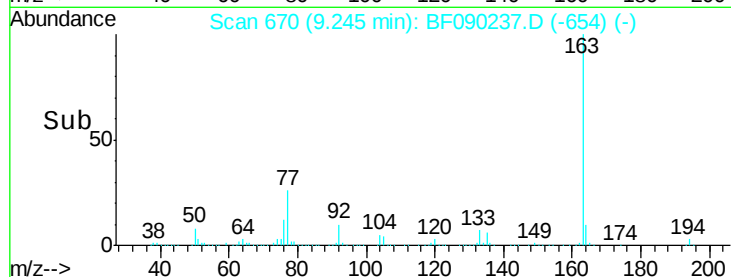
164 10.4 8.1 12.1



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: 10.98 min Scan# 822

Delta R.T. 0.00 min

Lab File: BF090237.D

Acq: 26 Sep 2016 22:29

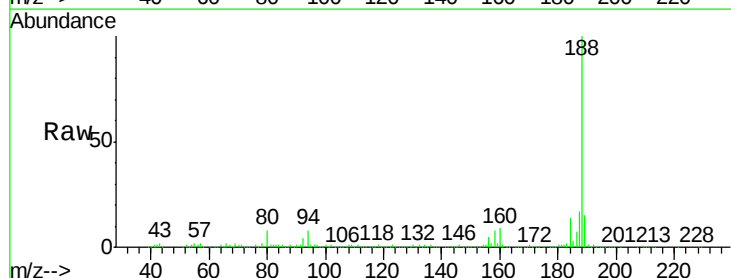
Tgt Ion:188 Resp: 400554

Ion Ratio Lower Upper

188 100

94 8.1 10.5 15.7#

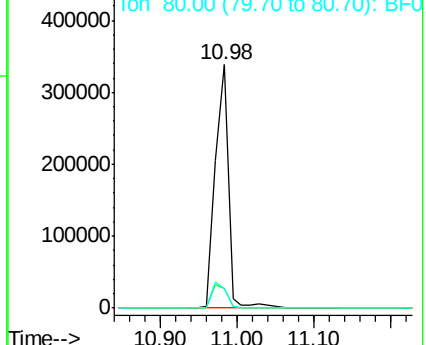
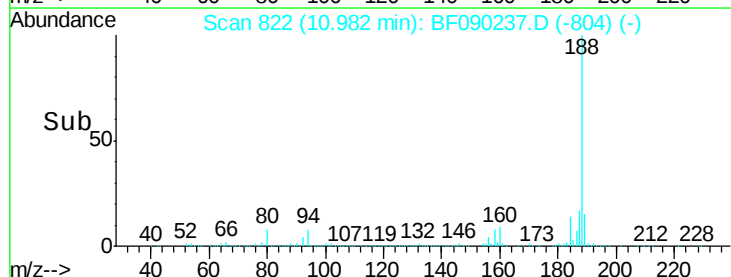
80 7.8 11.2 16.8#

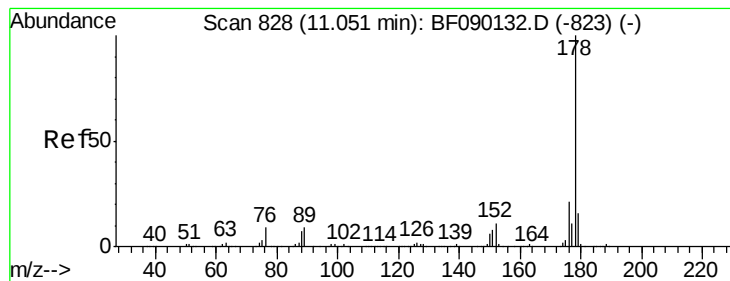


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 6.41 ng

RT: 11.01 min Scan# 824

Delta R.T. 0.00 min

Lab File: BF090237.D

Acq: 26 Sep 2016 22:29

Instrument :

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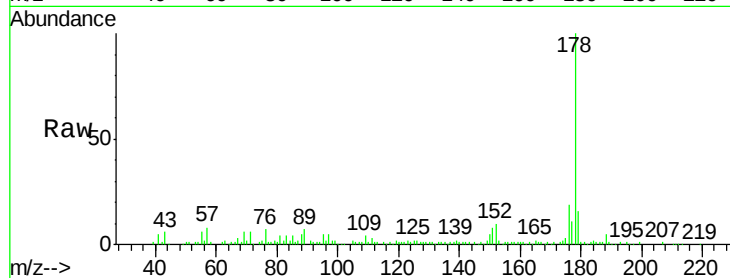
Tgt Ion:178 Resp: 120117

Ion Ratio Lower Upper

178 100

176 18.8 15.9 23.9

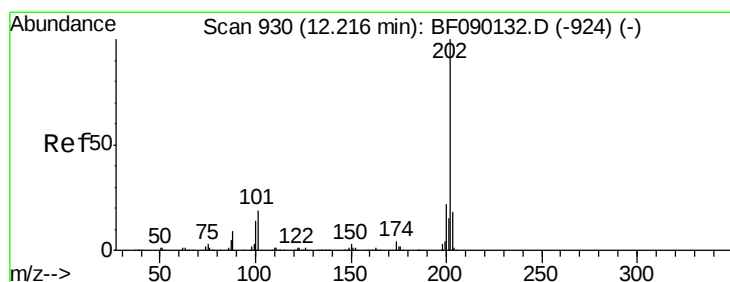
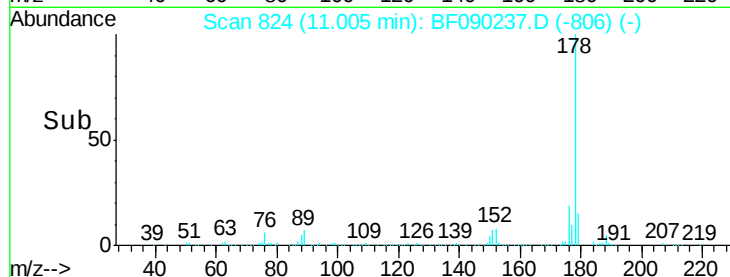
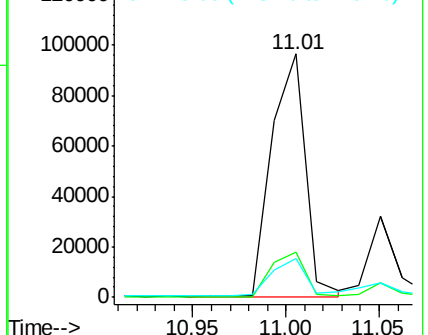
179 15.7 12.9 19.3



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



#74

Fluoranthene

Concen: 6.54 ng

RT: 12.17 min Scan# 926

Delta R.T. -0.01 min

Lab File: BF090237.D

Acq: 26 Sep 2016 22:29

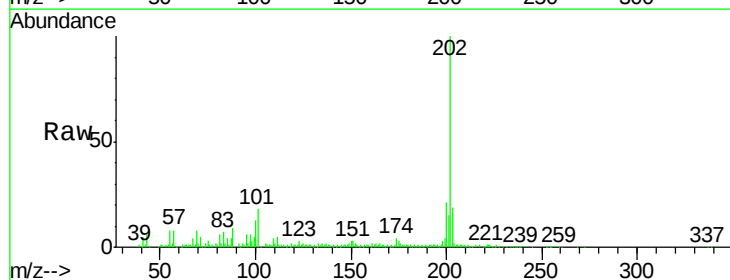
Tgt Ion:202 Resp: 131451

Ion Ratio Lower Upper

202 100

101 18.2 0.0 36.1

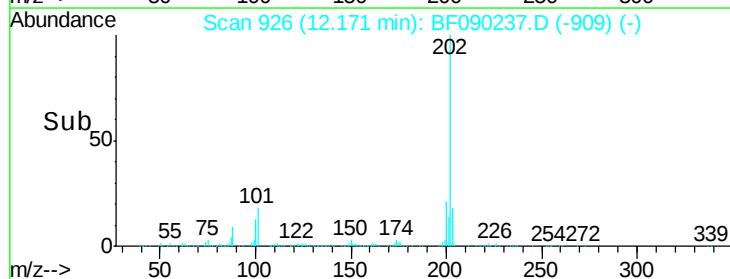
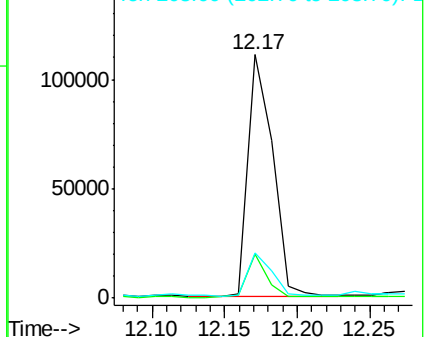
203 18.6 0.0 38.2

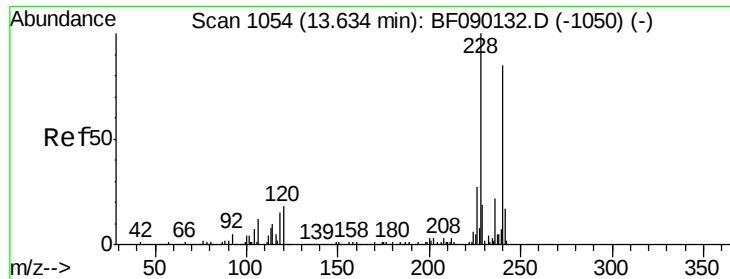


Abundance Ion 202.00 (201.70 to 202.70): E

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: 13.59 min Scan# 1050

Delta R.T. -0.01 min

Lab File: BF090237.D

Acq: 26 Sep 2016 22:29

Instrument :

BNA_F

ClientSampleId :

CAM-SELECTFILLRE

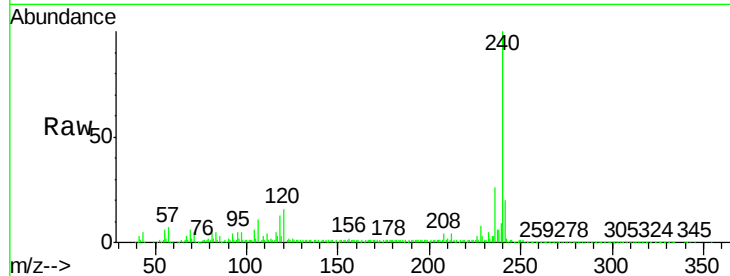
Tgt Ion:240 Resp: 287054

Ion Ratio Lower Upper

240 100

120 15.9 10.6 16.0

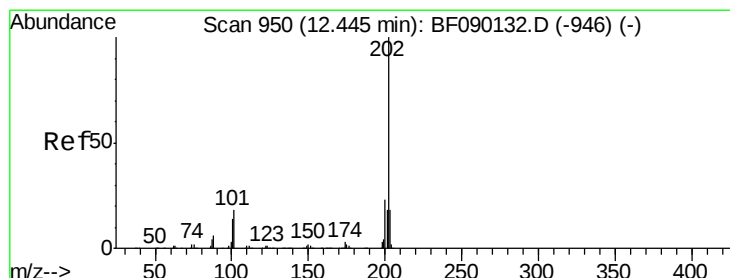
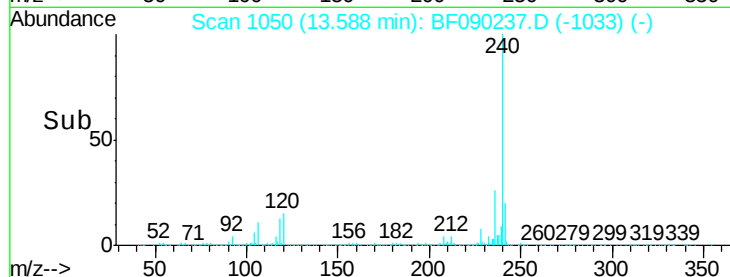
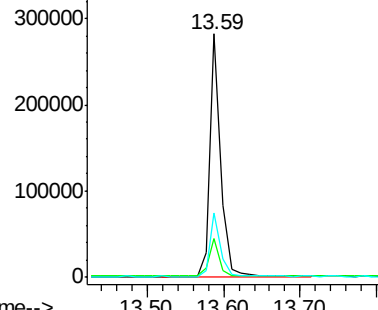
236 26.3 21.6 32.4



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: 5.94 ng

RT: 12.40 min Scan# 946

Delta R.T. 0.00 min

Lab File: BF090237.D

Acq: 26 Sep 2016 22:29

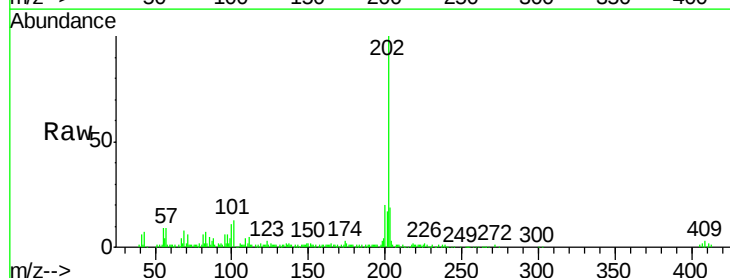
Tgt Ion:202 Resp: 116745

Ion Ratio Lower Upper

202 100

200 20.4 17.9 26.9

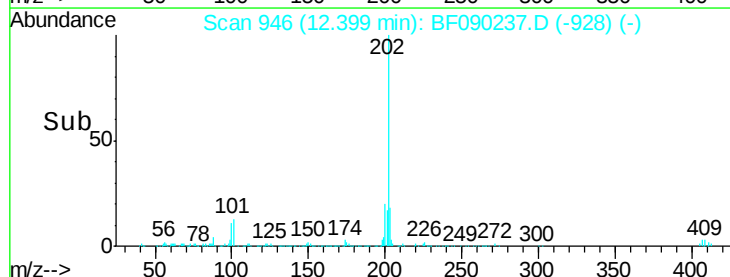
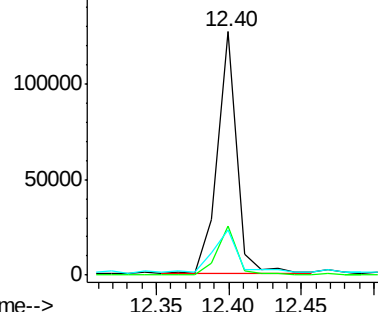
203 18.5 14.2 21.4

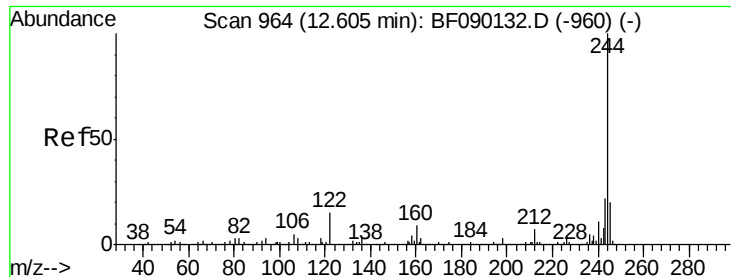


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 69.01 ng

RT: 12.56 min Scan# 960

Delta R.T. 0.00 min

Lab File: BF090237.D

Acq: 26 Sep 2016 22:29

Instrument :

BNA_F

ClientSampleId :

CAM-SELECTFILLRE

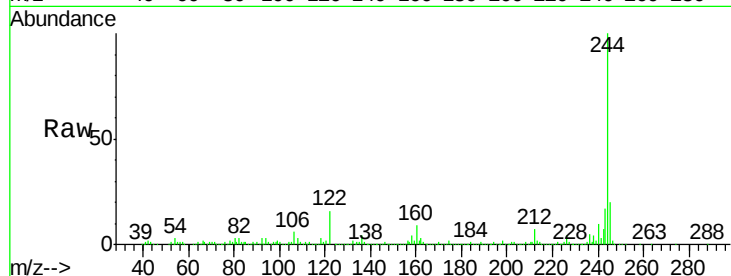
Tgt Ion:244 Resp: 780250

Ion Ratio Lower Upper

244 100

212 7.2 5.8 8.8

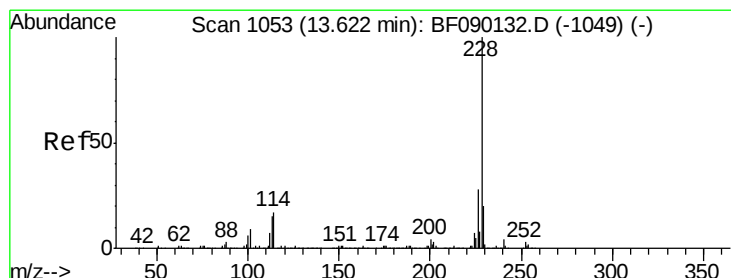
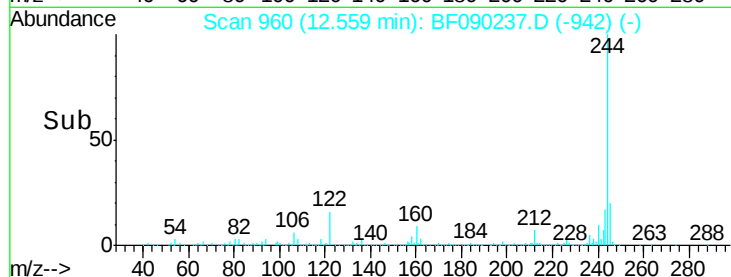
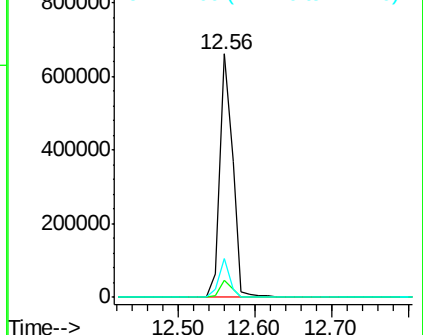
122 16.1 9.4 14.0#



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: 4.00 ng

RT: 13.58 min Scan# 1049

Delta R.T. -0.01 min

Lab File: BF090237.D

Acq: 26 Sep 2016 22:29

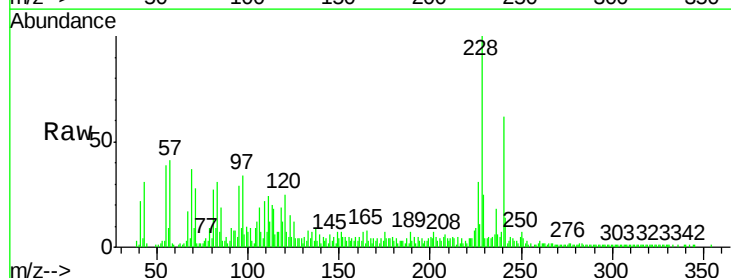
Tgt Ion:228 Resp: 61748

Ion Ratio Lower Upper

228 100

226 31.5 22.0 33.0

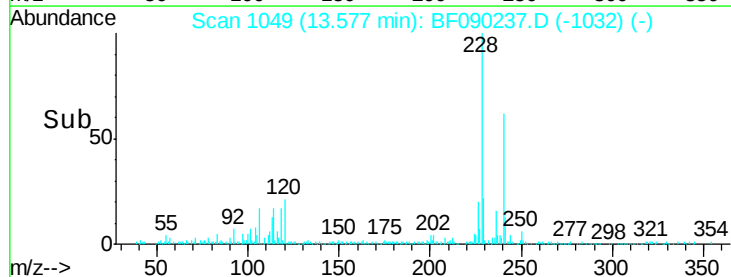
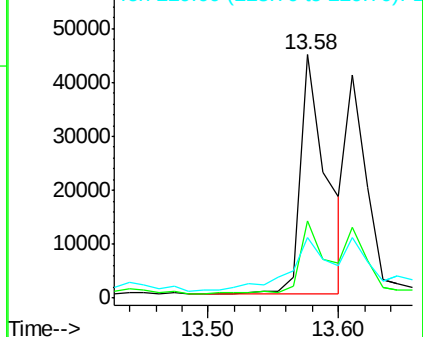
229 24.8 16.2 24.2#

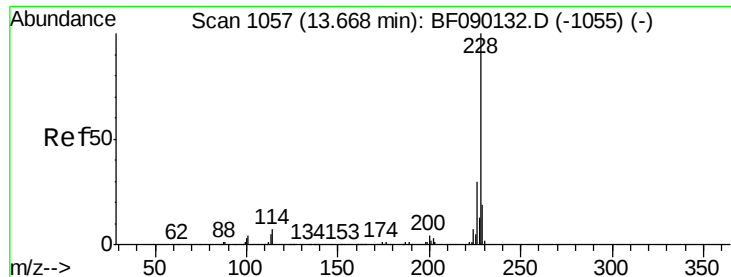


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.10 ng

RT: 13.58 min Scan# 1049

Delta R.T. -0.05 min

Lab File: BF090237.D

Acq: 26 Sep 2016 22:29

Instrument :

BNA_F

ClientSampleId :

CAM-SELECTFILLRE

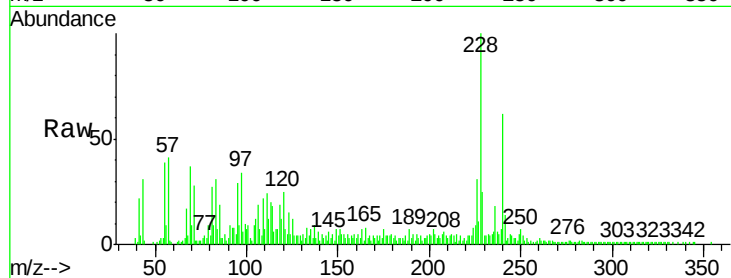
Tgt Ion:228 Resp: 61748

Ion Ratio Lower Upper

228 100

226 31.5 24.6 37.0

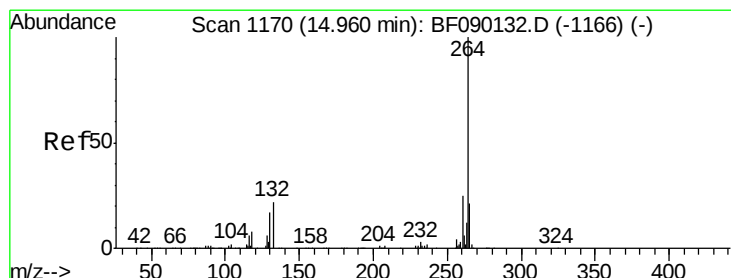
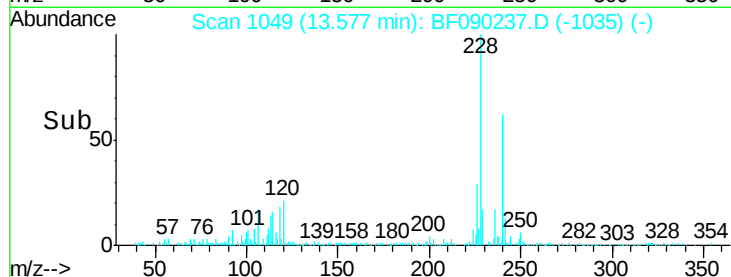
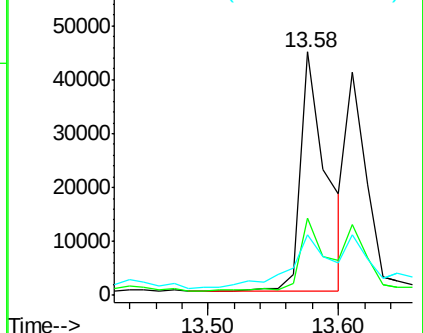
229 24.8 16.2 24.4#



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 14.91 min Scan# 1166

Delta R.T. 0.00 min

Lab File: BF090237.D

Acq: 26 Sep 2016 22:29

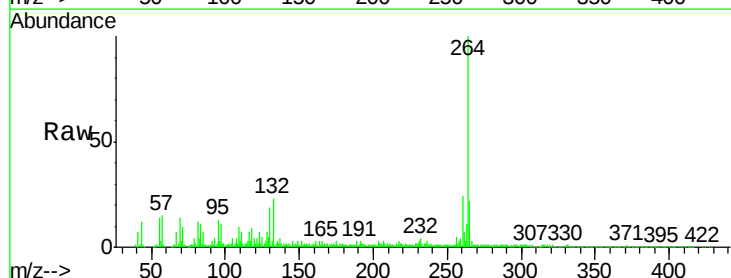
Tgt Ion:264 Resp: 224194

Ion Ratio Lower Upper

264 100

260 24.2 19.5 29.3

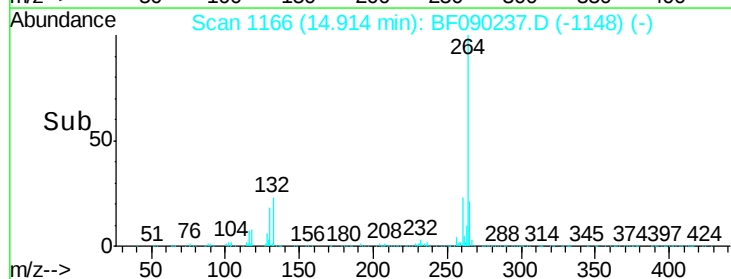
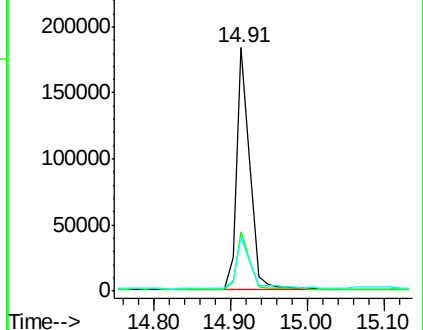
265 22.3 17.0 25.4

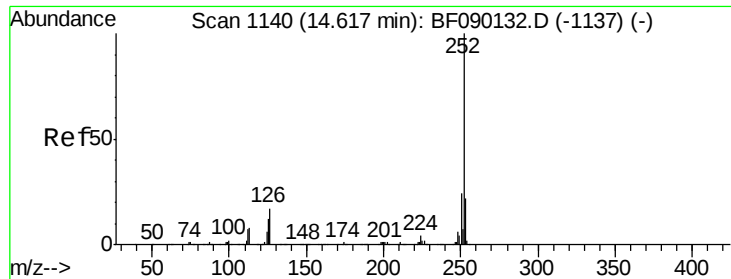


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

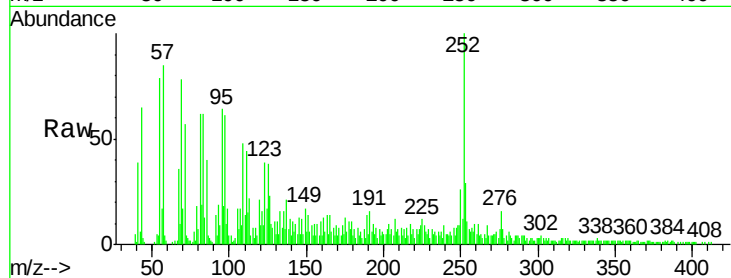




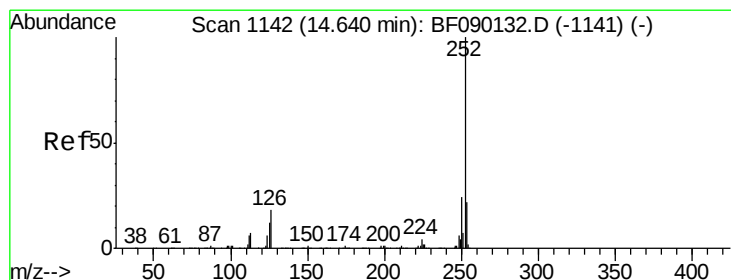
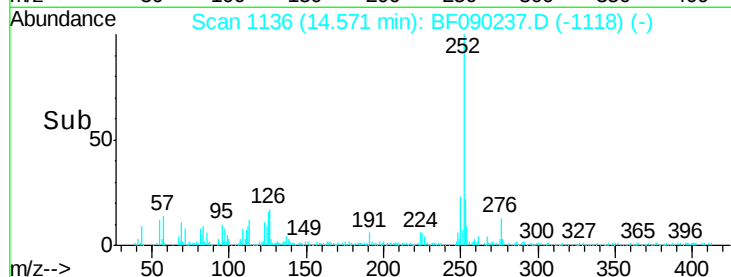
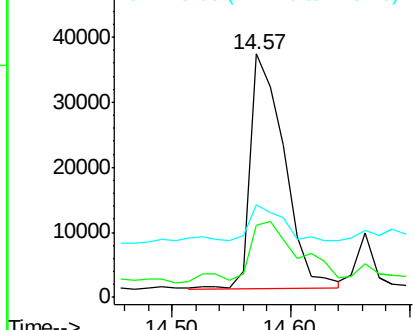
#87
Benzo(b)fluoranthene
Concen: 5.77 ng
RT: 14.57 min Scan# 1136
Delta R.T. 0.00 min
Lab File: BF090237.D
Acq: 26 Sep 2016 22:29

Instrument :
BNA_F
ClientSampleId :
CAM-SELECTFILLRE

Tgt Ion:252 Resp: 71629
Ion Ratio Lower Upper
252 100
253 29.4 17.9 26.9#
125 37.8 12.7 19.1#

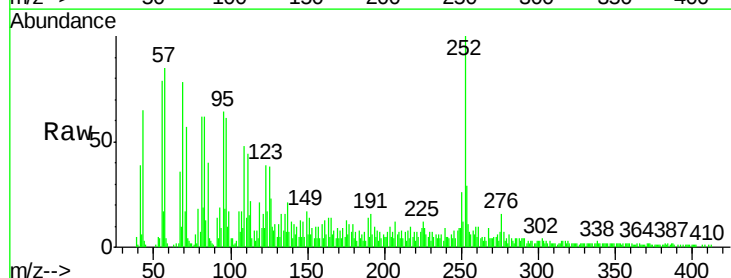


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

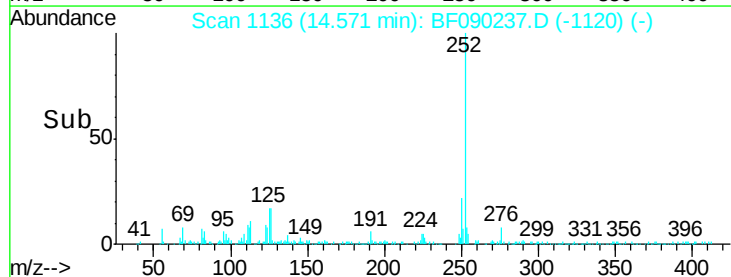
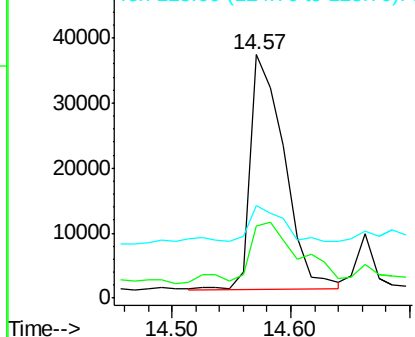


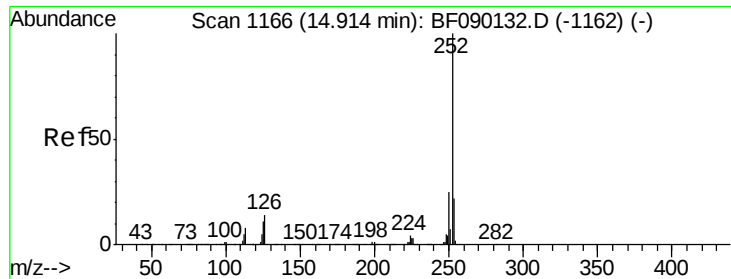
#88
Benzo(k)fluoranthene
Concen: 6.15 ng
RT: 14.57 min Scan# 1136
Delta R.T. -0.02 min
Lab File: BF090237.D
Acq: 26 Sep 2016 22:29

Tgt Ion:252 Resp: 71629
Ion Ratio Lower Upper
252 100
253 29.4 17.8 26.8#
125 37.8 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

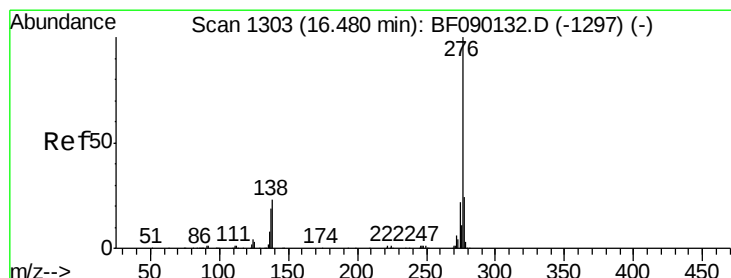
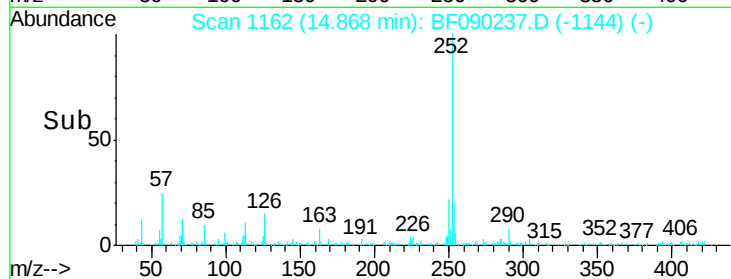
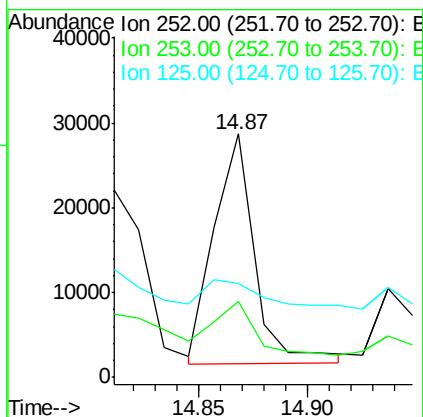
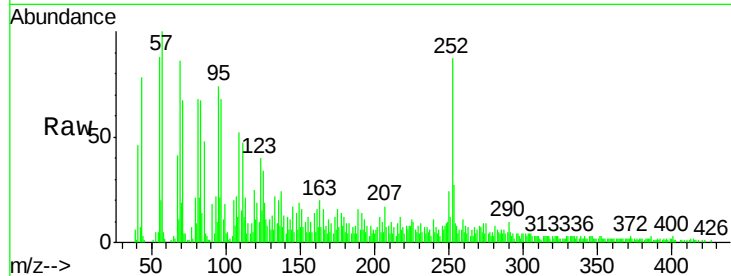




#89
Benzo(a)pyrene
Concen: 3.02 ng
RT: 14.87 min Scan# 1162
Delta R.T. 0.00 min
Lab File: BF090237.D
Acq: 26 Sep 2016 22:29

Instrument :
BNA_F
ClientSampleId :
CAM-SELECTFILLRE

Tgt Ion: 252 Resp: 35286
Ion Ratio Lower Upper
252 100
253 31.1 17.4 26.0#
125 38.6 7.7 11.5#



#91
Benzo(g,h,i)perylene
Concen: 2.27 ng
RT: 16.40 min Scan# 1296
Delta R.T. 0.00 min
Lab File: BF090237.D
Acq: 26 Sep 2016 22:29

Tgt Ion: 276 Resp: 20272
Ion Ratio Lower Upper
276 100
277 32.8 18.9 28.3#
138 39.8 23.3 34.9#

