

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092316\
 Data File : BF090213.D
 Acq On : 23 Sep 2016 22:23
 Operator : UM/SJ
 Sample : H4927-01
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-GRID-18A

Quant Time: Sep 23 23:26:51 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 20 17:58:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.49	152	124047	20.00	ng	-0.03
21) Naphthalene-d8	7.78	136	459386	20.00	ng	-0.03
38) Acenaphthene-d10	9.52	164	191565	20.00	ng	-0.03
63) Phenanthrene-d10	10.99	188	260316	20.00	ng	-0.03
75) Chrysene-d12	13.63	240	187608	20.00	ng	0.00
86) Perylene-d12	14.96	264	195111	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.06	112	436738	57.39	ng	-0.01
7) Phenol-d6	6.15	99	728811	77.55	ng	-0.02
23) Nitrobenzene-d5	7.06	82	433088	54.65	ng	-0.03
41) 2,4,6-Tribromophenol	10.31	330	31720	19.30	ng	-0.03
44) 2-Fluorobiphenyl	8.86	172	730631	74.88	ng	-0.03
78) Terphenyl-d14	12.58	244	505975	68.47	ng	-0.02

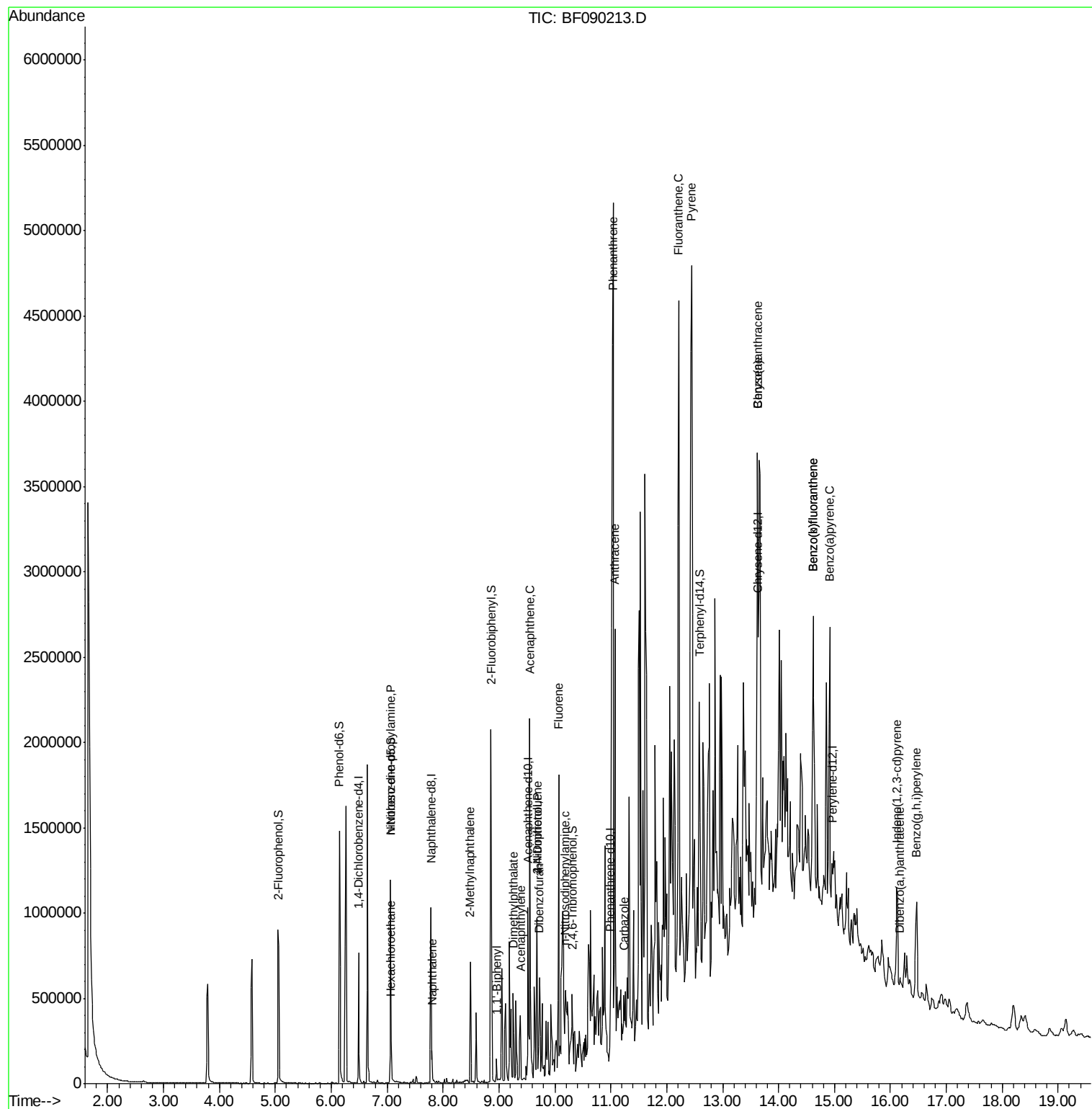
Target Compounds						Qvalue
18) Hexachloroethane	7.07	117	8878	2.66	ng	# 7
19) n-Nitroso-di-n-propylamine	7.06	70	50279	9.11	ng	# 79
31) Naphthalene	7.80	128	96860	4.43	ng	98
37) 2-Methylnaphthalene	8.49	142	191093	14.05	ng	98
45) 1,1'-Biphenyl	8.96	154	36238	2.64	ng	93
48) Acenaphthylene	9.38	152	37273	2.27	ng	# 72
49) Dimethylphthalate	9.26	163	270642	22.18	ng	# 99
51) Acenaphthene	9.55	154	464137	47.62	ng	99
54) Dibenzofuran	9.72	168	81522	6.36	ng	# 87
55) 4-Nitrophenol	9.68	139	7421	3.40	ng	# 32
56) 2,4-Dinitrotoluene	9.68	165	27292	8.49	ng	# 39
57) Fluorene	10.07	166	462100	47.80	ng	99
65) n-Nitrosodiphenylamine	10.18	169	46703	5.46	ng	# 1
70) Phenanthrene	11.04	178	3406043	279.77	ng	99
71) Anthracene	11.07	178	1007637	78.91	ng	99
72) Carbazole	11.23	167	65661	4.86	ng	# 91
74) Fluoranthene	12.22	202	2099220	160.64	ng	97
77) Pyrene	12.45	202	3332054	259.55	ng	# 94
80) Benzo(a)anthracene	13.62	228	1842081	182.50	ng	97
82) Chrysene	13.62	228	1842081	187.35	ng	96
85) Indeno(1,2,3-cd)pyrene	16.11	276	386100	48.57	ng	# 92
87) Benzo(b)fluoranthene	14.62	252	1306645	120.94	ng	97
88) Benzo(k)fluoranthene	14.62	252	1306645	128.86	ng	# 95
89) Benzo(a)pyrene	14.91	252	935657	92.06	ng	# 95
90) Dibenzo(a,h)anthracene	16.17	278	41816	5.27	ng	# 72
91) Benzo(g,h,i)perylene	16.47	276	421582	54.31	ng	95

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.49 min Scan# 429

Delta R.T. -0.03 min

Lab File: BF090213.D

Acq: 23 Sep 2016 22:23

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-18A

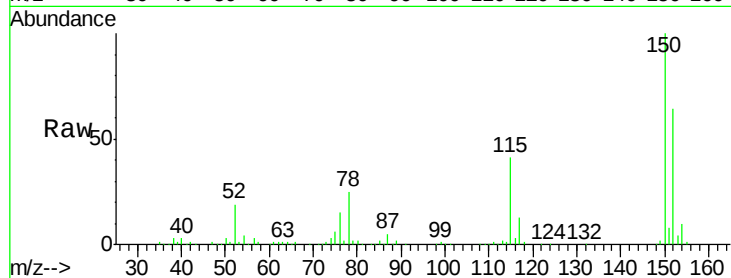
Tgt Ion:152 Resp: 124047

Ion Ratio Lower Upper

152 100

150 155.6 128.9 193.3

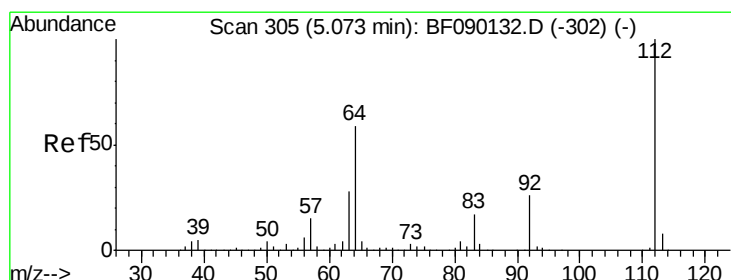
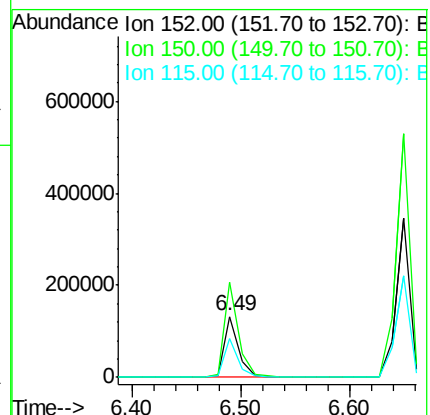
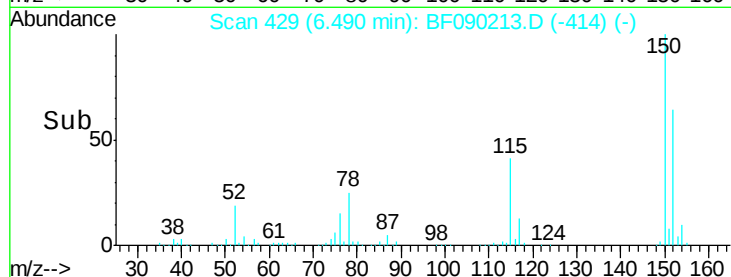
115 63.6 55.5 83.3



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: 57.39 ng

RT: 5.06 min Scan# 304

Delta R.T. -0.01 min

Lab File: BF090213.D

Acq: 23 Sep 2016 22:23

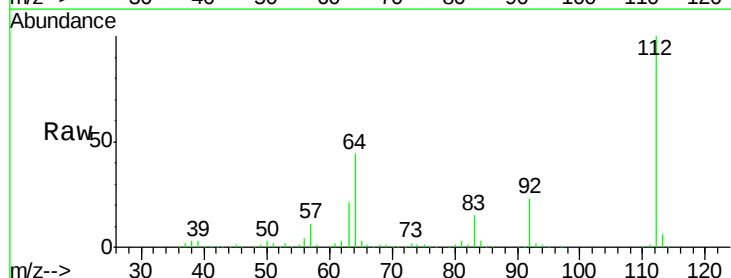
Tgt Ion:112 Resp: 436738

Ion Ratio Lower Upper

112 100

64 43.7 39.8 59.6

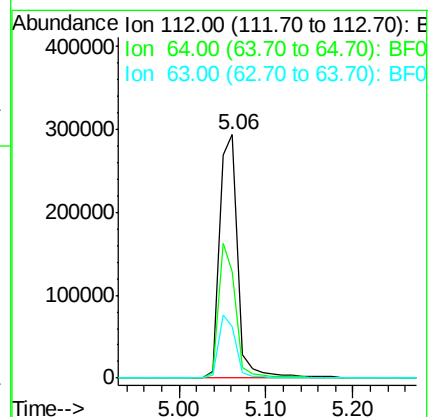
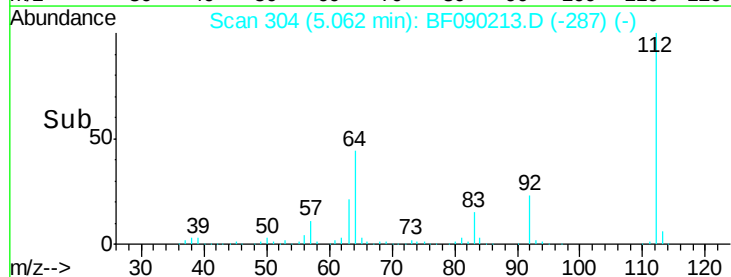
63 21.0 18.9 28.3



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: 77.55 ng

RT: 6.15 min Scan# 399

Delta R.T. -0.02 min

Lab File: BF090213.D

Acq: 23 Sep 2016 22:23

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-18A

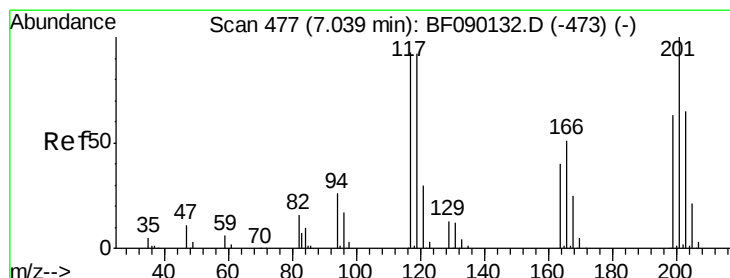
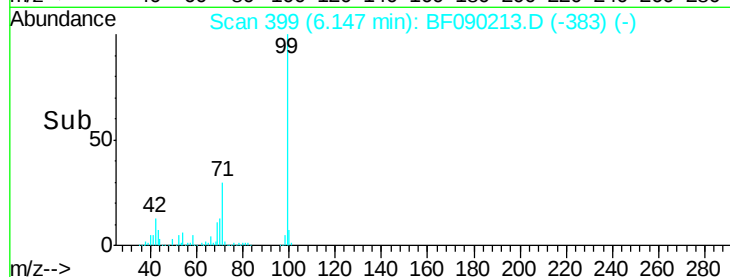
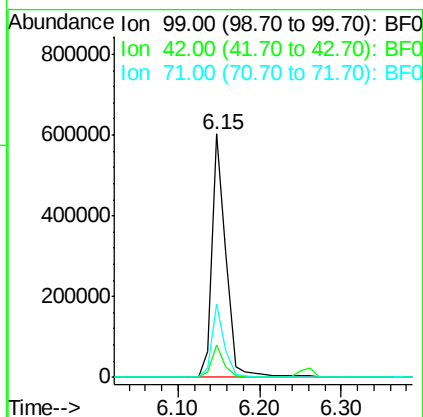
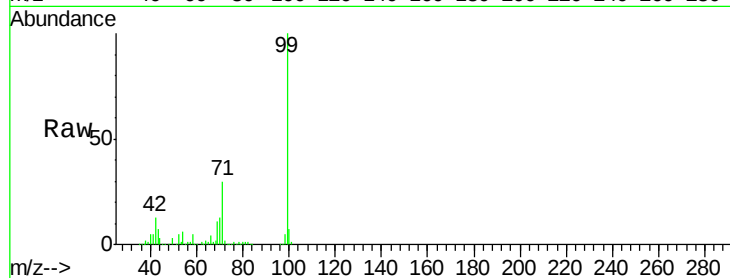
Tgt Ion: 99 Resp: 728811

Ion Ratio Lower Upper

99 100

42 13.5 10.6 15.8

71 30.0 23.0 34.6



#18

Hexachloroethane

Concen: 2.66 ng

RT: 7.07 min Scan# 480

Delta R.T. 0.03 min

Lab File: BF090213.D

Acq: 23 Sep 2016 22:23

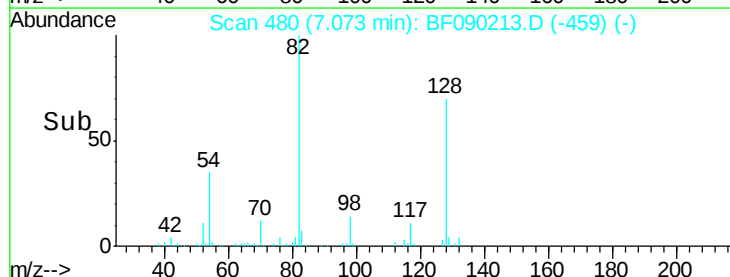
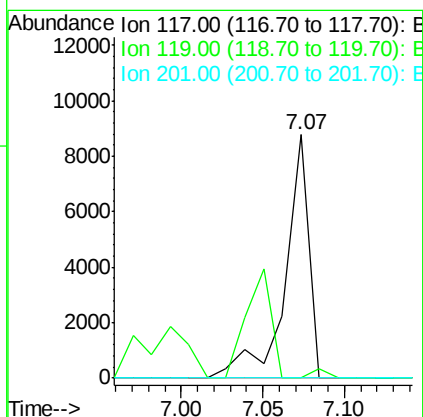
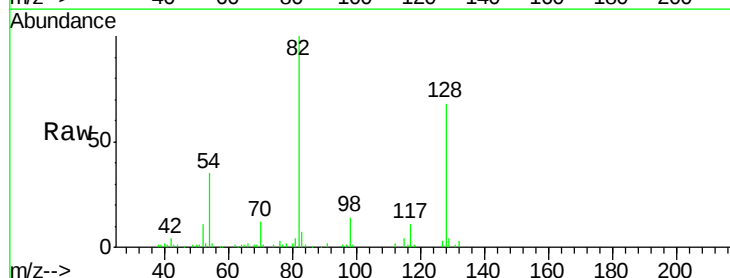
Tgt Ion: 117 Resp: 8878

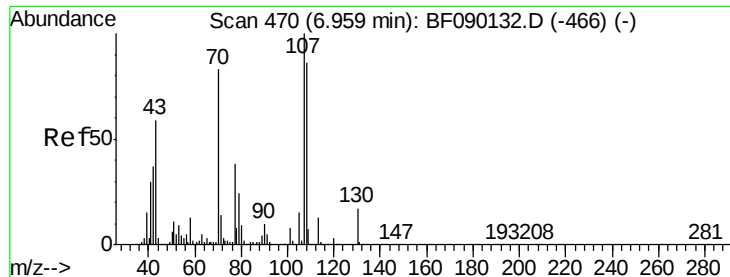
Ion Ratio Lower Upper

117 100

119 0.0 76.6 115.0#

201 0.0 55.5 83.3#

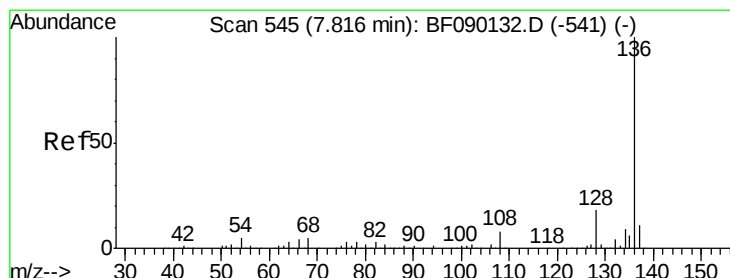
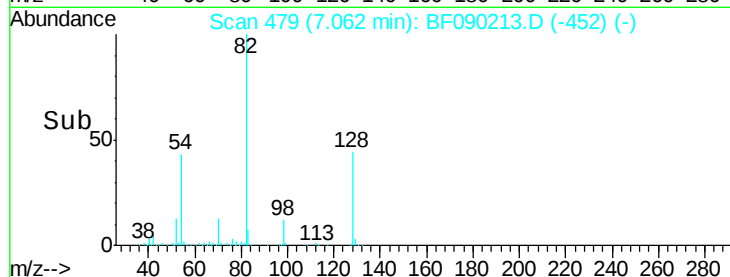
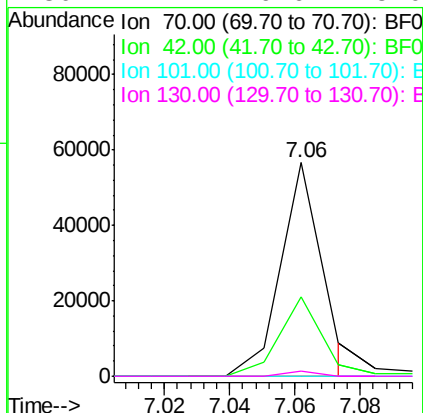
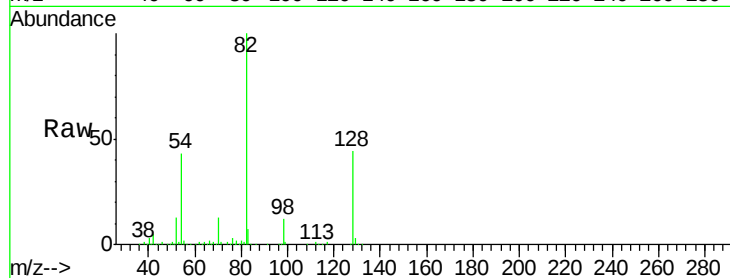




#19
n-Nitroso-di-n-propylamine
Concen: 9.11 ng
RT: 7.06 min Scan# 479
Delta R.T. 0.10 min
Lab File: BF090213.D
Acq: 23 Sep 2016 22:23

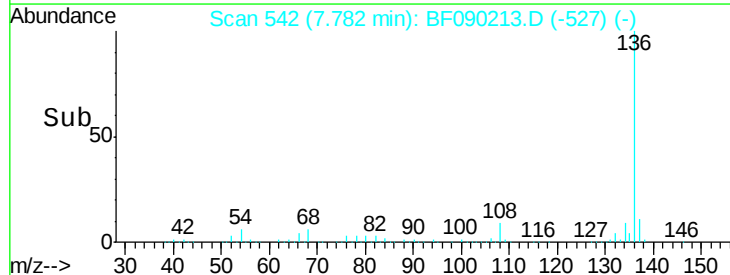
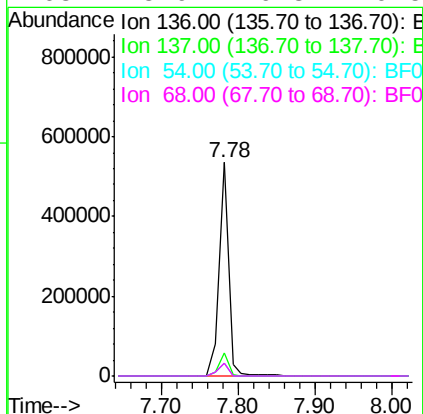
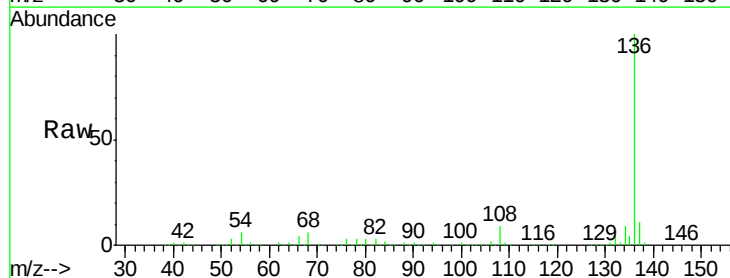
Instrument :
BNA_F
ClientSampleId :
TRACK-D-GRID-18A

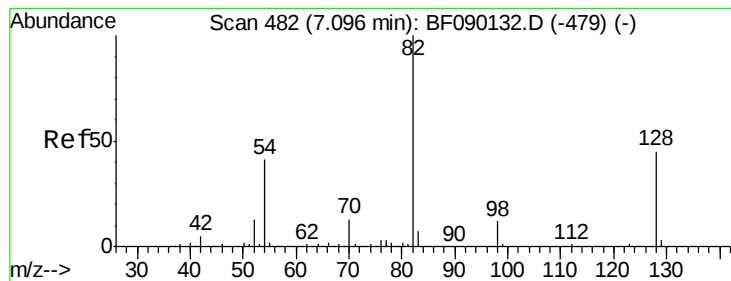
Tgt Ion: 70 Resp: 50279
Ion Ratio Lower Upper
70 100
42 37.1 35.1 52.7
101 0.0 7.5 11.3#
130 2.4 16.6 25.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.78 min Scan# 542
Delta R.T. -0.03 min
Lab File: BF090213.D
Acq: 23 Sep 2016 22:23

Tgt Ion: 136 Resp: 459386
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 6.2 6.4 9.6#
68 5.9 6.3 9.5#





#23

Nitrobenzene-d5

Concen: 54.65 ng

RT: 7.06 min Scan# 479

Delta R.T. -0.03 min

Lab File: BF090213.D

Acq: 23 Sep 2016 22:23

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-18A

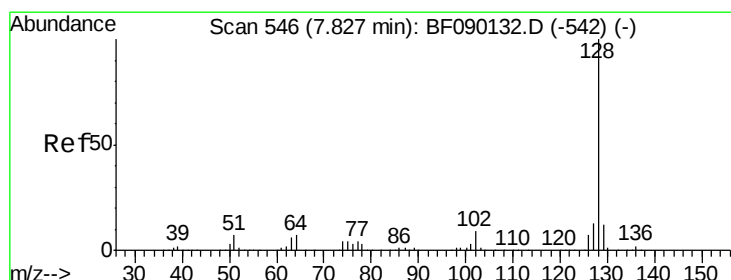
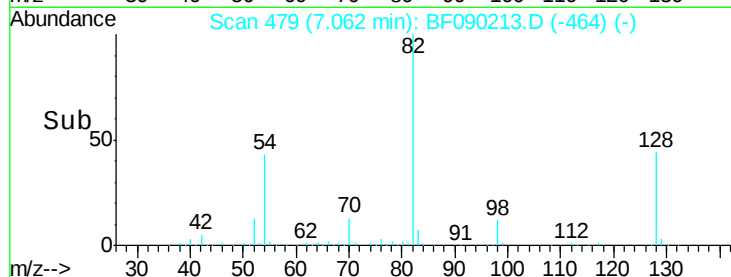
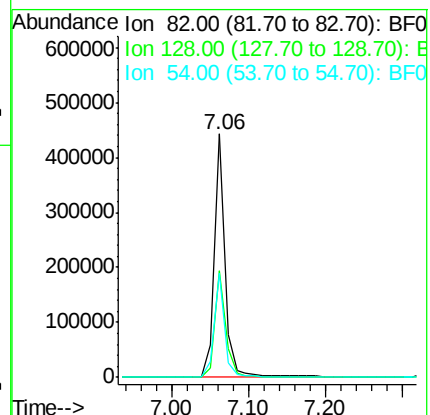
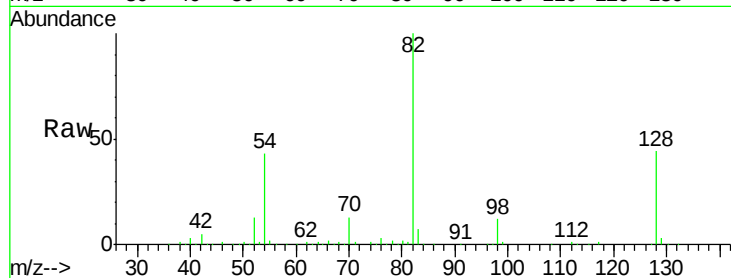
Tgt Ion: 82 Resp: 433088

Ion Ratio Lower Upper

82 100

128 43.8 37.5 56.3

54 42.9 31.9 47.9



#31

Naphthalene

Concen: 4.43 ng

RT: 7.80 min Scan# 544

Delta R.T. -0.02 min

Lab File: BF090213.D

Acq: 23 Sep 2016 22:23

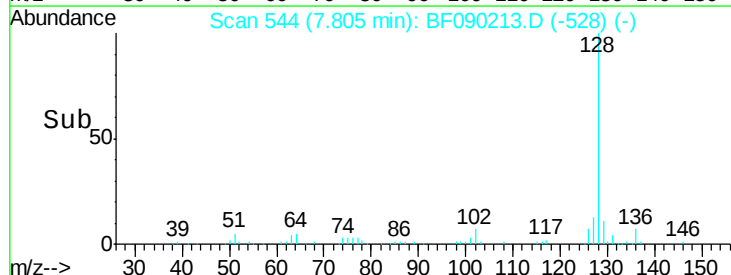
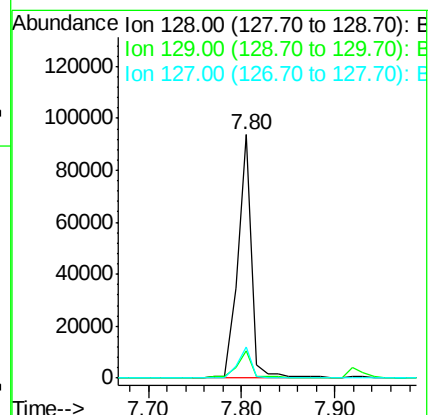
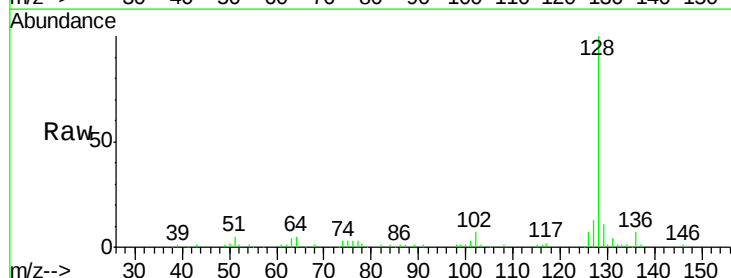
Tgt Ion: 128 Resp: 96860

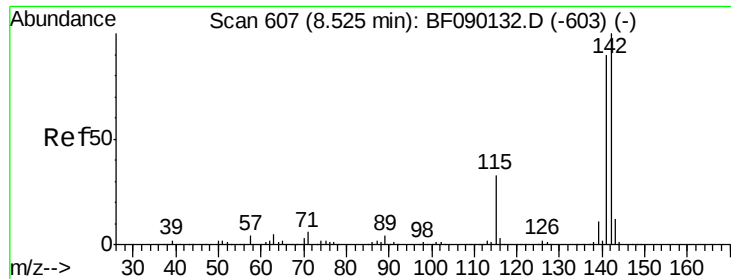
Ion Ratio Lower Upper

128 100

129 11.0 9.3 13.9

127 12.7 10.8 16.2

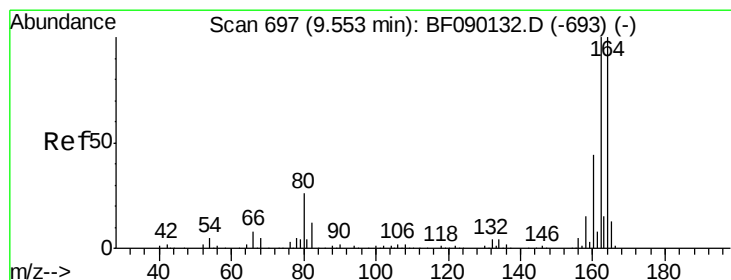
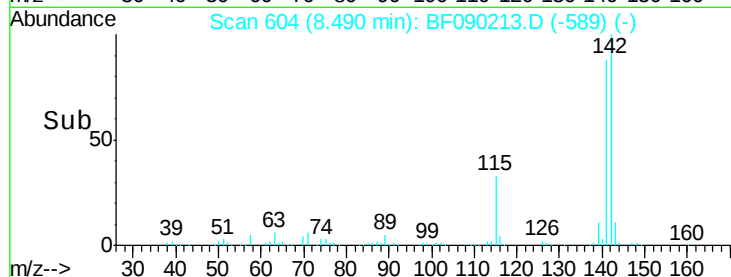
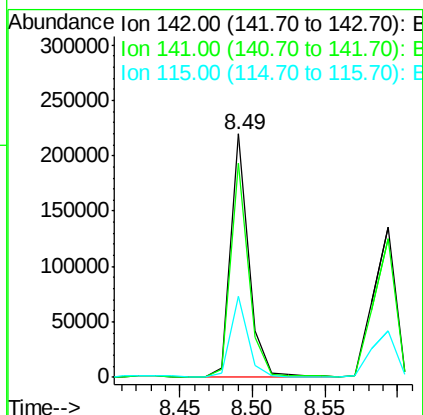
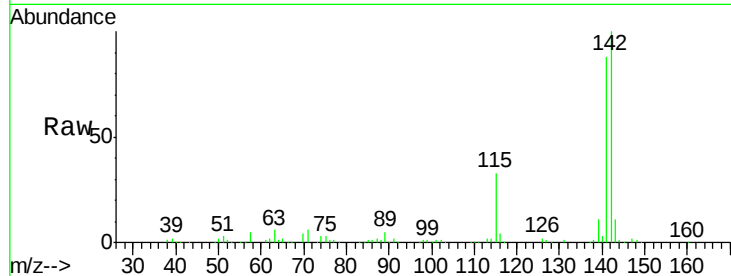




#37
2-Methylnaphthalene
Concen: 14.05 ng
RT: 8.49 min Scan# 604
Delta R.T. -0.03 min
Lab File: BF090213.D
Acq: 23 Sep 2016 22:23

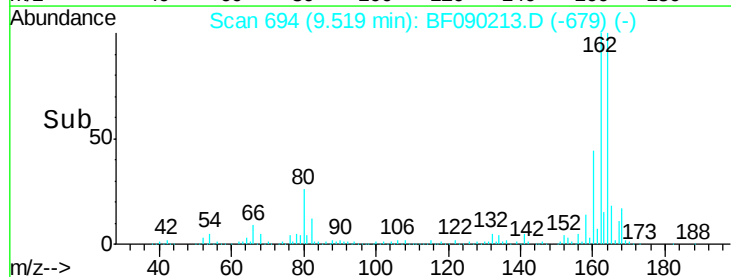
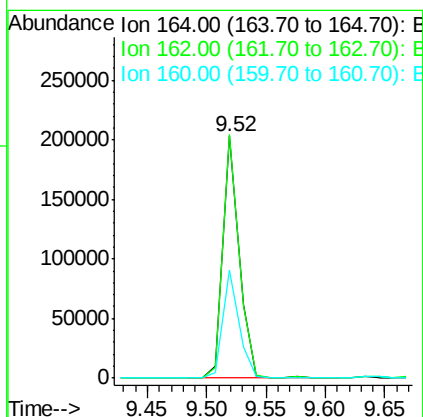
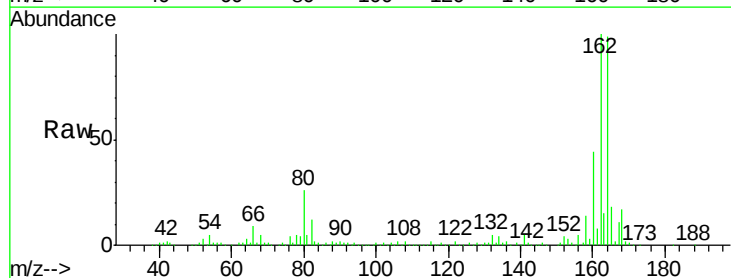
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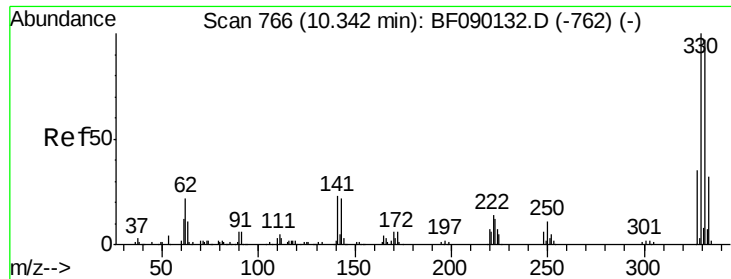
Tgt Ion:142 Resp: 191093
Ion Ratio Lower Upper
142 100
141 87.9 71.4 107.2
115 33.4 28.3 42.5



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.52 min Scan# 694
Delta R.T. -0.03 min
Lab File: BF090213.D
Acq: 23 Sep 2016 22:23

Tgt Ion:164 Resp: 191565
Ion Ratio Lower Upper
164 100
162 100.6 81.4 122.2
160 44.6 36.6 54.8

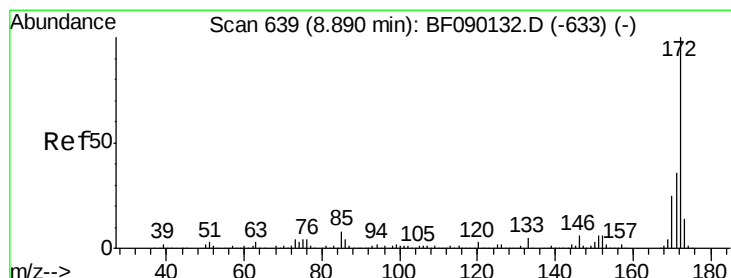
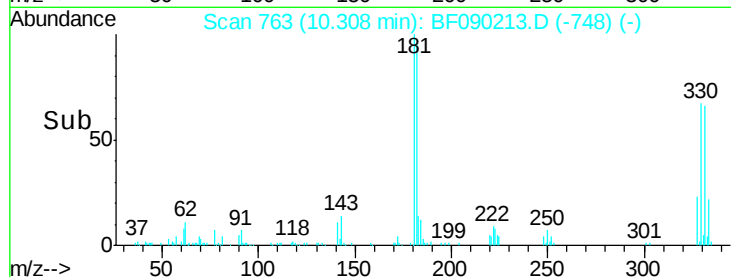
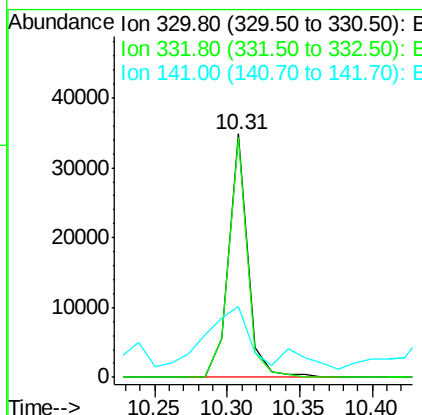
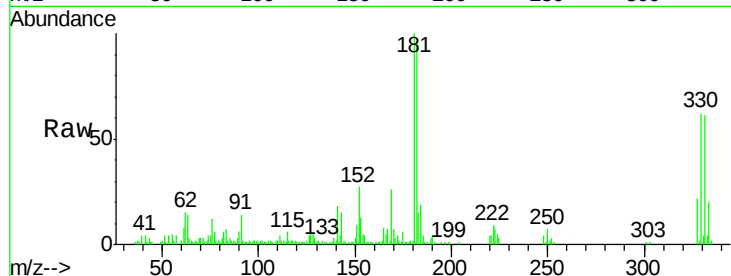




#41
 2,4,6-Tribromophenol
 Concen: 19.30 ng
 RT: 10.31 min Scan# 763
 Delta R.T. -0.03 min
 Lab File: BF090213.D
 Acq: 23 Sep 2016 22:23

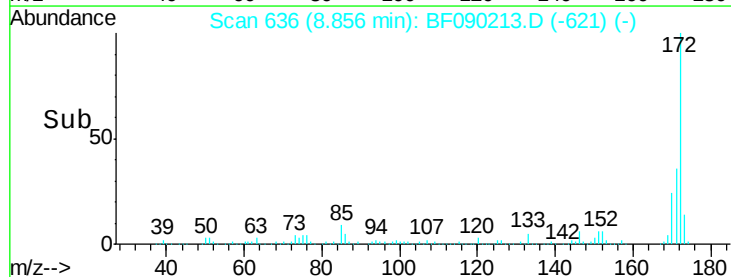
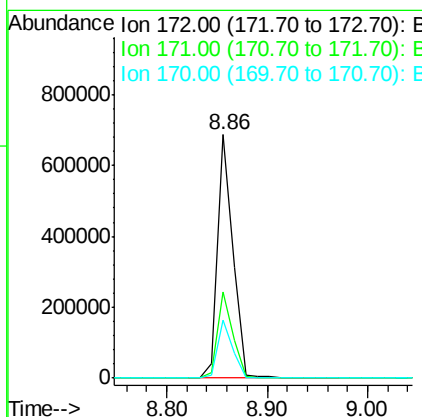
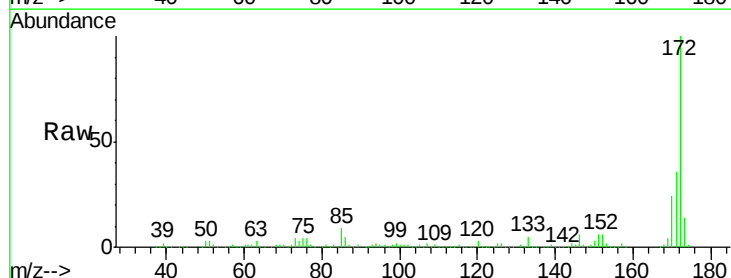
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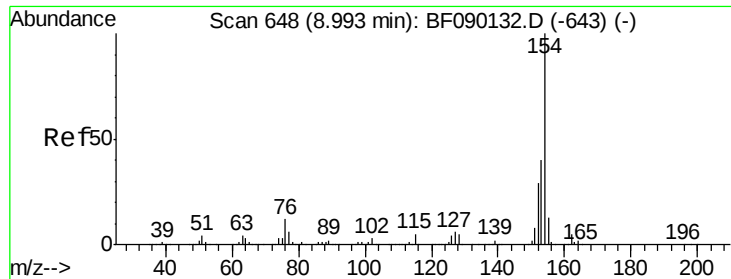
Tgt Ion:330 Resp: 31720
 Ion Ratio Lower Upper
 330 100
 332 96.0 78.1 117.1
 141 54.7 23.9 35.9#



#44
 2-Fluorobiphenyl
 Concen: 74.88 ng
 RT: 8.86 min Scan# 636
 Delta R.T. -0.03 min
 Lab File: BF090213.D
 Acq: 23 Sep 2016 22:23

Tgt Ion:172 Resp: 730631
 Ion Ratio Lower Upper
 172 100
 171 35.6 29.2 43.8
 170 23.9 19.8 29.8





#45

1,1'-Biphenyl

Concen: 2.64 ng

RT: 8.96 min Scan# 645

Delta R.T. -0.03 min

Lab File: BF090213.D

Acq: 23 Sep 2016 22:23

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-18A

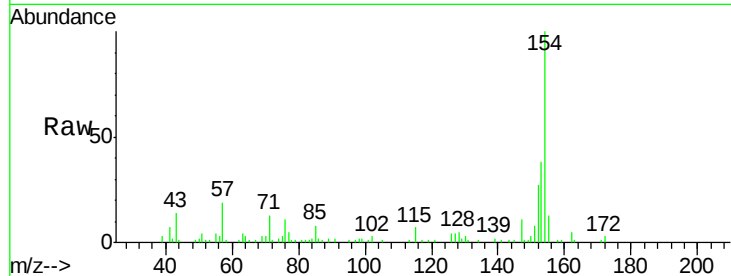
Tgt Ion:154 Resp: 36238

Ion Ratio Lower Upper

154 100

153 38.5 20.6 60.6

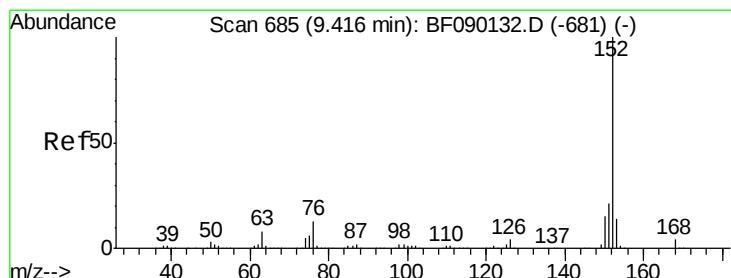
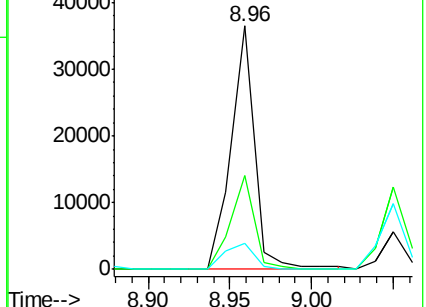
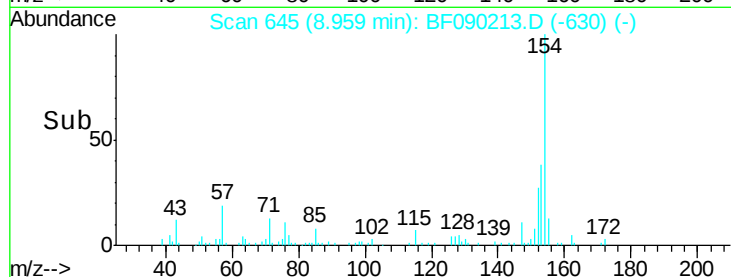
76 10.6 0.0 36.7



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 76.00 (75.70 to 76.70): BF0



#48

Acenaphthylene

Concen: 2.27 ng

RT: 9.38 min Scan# 682

Delta R.T. -0.03 min

Lab File: BF090213.D

Acq: 23 Sep 2016 22:23

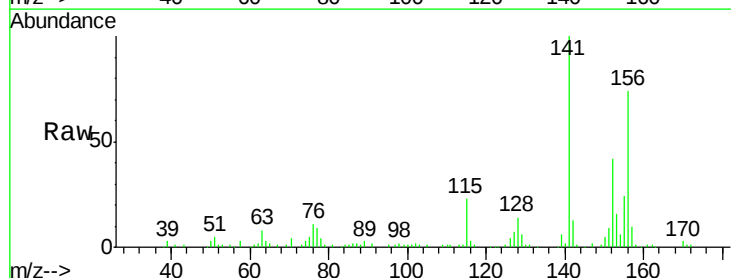
Tgt Ion:152 Resp: 37273

Ion Ratio Lower Upper

152 100

151 22.8 16.5 24.7

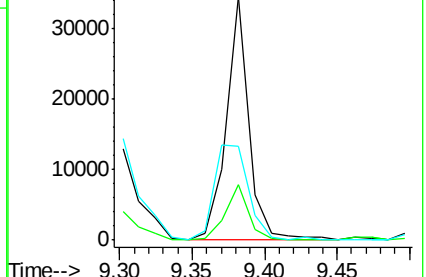
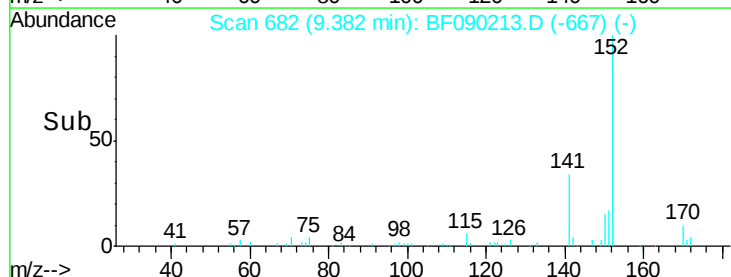
153 38.7 10.6 15.8#

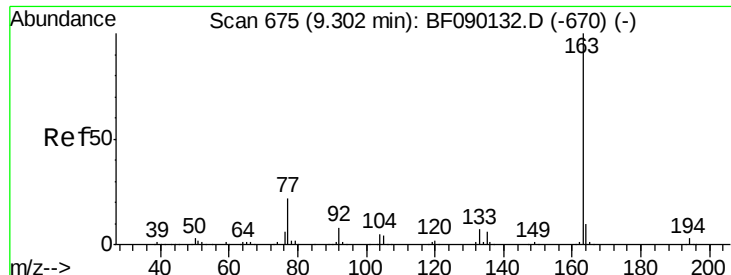


Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E

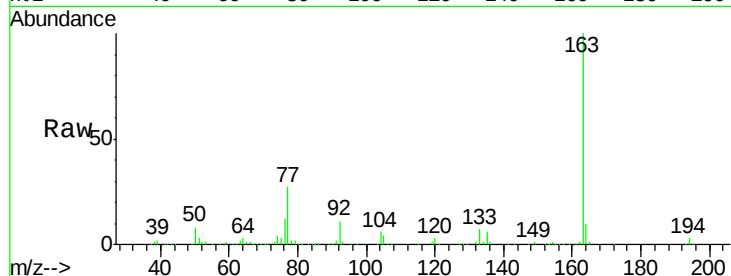




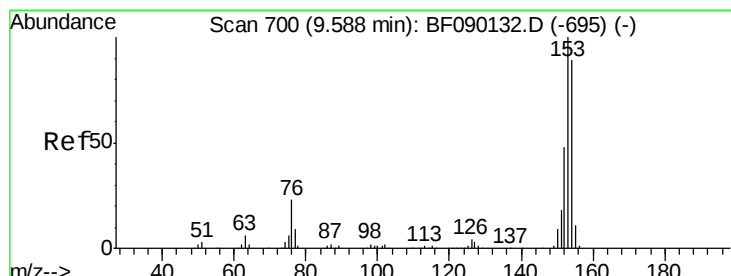
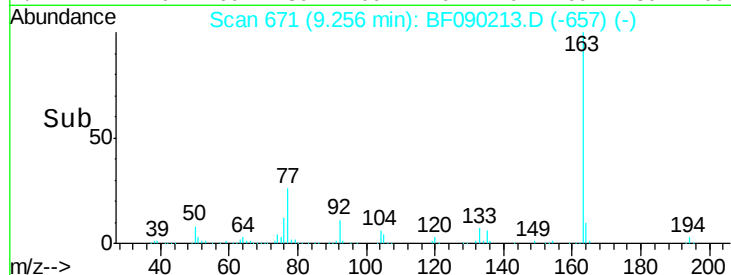
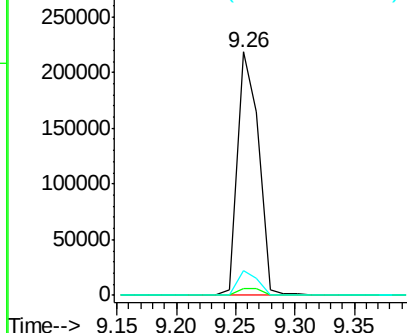
#49
Dimethylphthalate
Concen: 22.18 ng
RT: 9.26 min Scan# 671
Delta R.T. -0.05 min
Lab File: BF090213.D
Acq: 23 Sep 2016 22:23

Instrument :
BNA_F
ClientSampleId :
TRACK-D-GRID-18A

Tgt Ion:163 Resp: 270642
Ion Ratio Lower Upper
163 100
194 2.8 2.8 4.2#
164 10.3 8.1 12.1

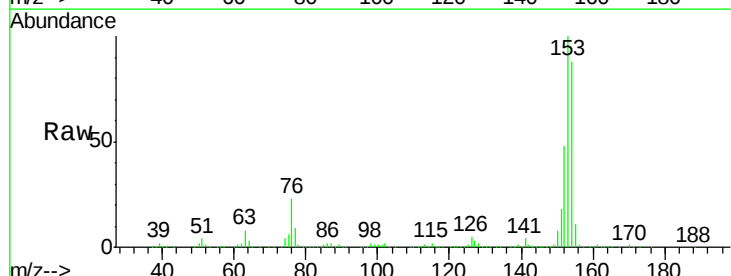


Abundance Ion 163.00 (162.70 to 163.70): E
Ion 194.00 (193.70 to 194.70): E
Ion 164.00 (163.70 to 164.70): E

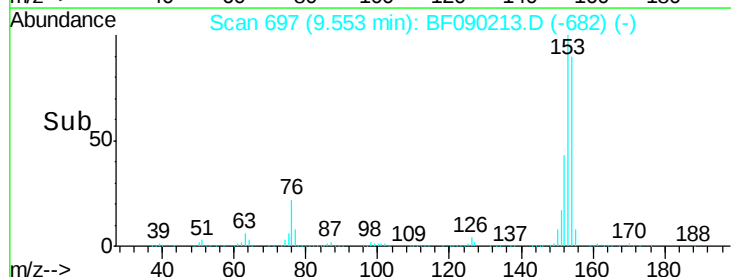
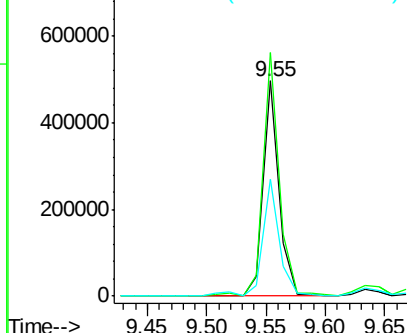


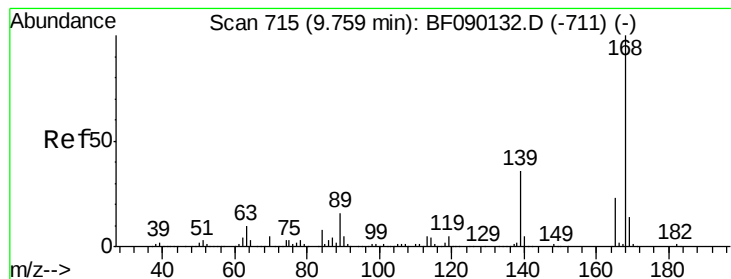
#51
Acenaphthene
Concen: 47.62 ng
RT: 9.55 min Scan# 697
Delta R.T. -0.03 min
Lab File: BF090213.D
Acq: 23 Sep 2016 22:23

Tgt Ion:154 Resp: 464137
Ion Ratio Lower Upper
154 100
153 113.1 90.8 136.2
152 54.3 44.2 66.4



Abundance Ion 154.00 (153.70 to 154.70): E
Ion 153.00 (152.70 to 153.70): E
Ion 152.00 (151.70 to 152.70): E





#54

Dibenzenofuran

Concen: 6.36 ng

RT: 9.72 min Scan# 712

Delta R.T. -0.03 min

Lab File: BF090213.D

Acq: 23 Sep 2016 22:23

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-18A

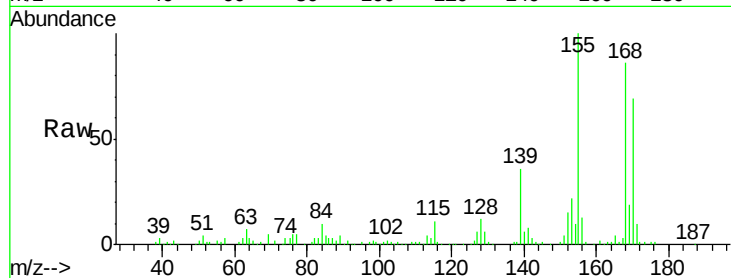
Tgt Ion:168 Resp: 81522

Ion Ratio Lower Upper

168 100

139 41.8 28.8 43.2

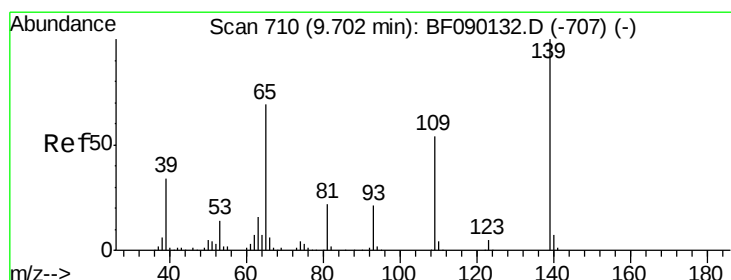
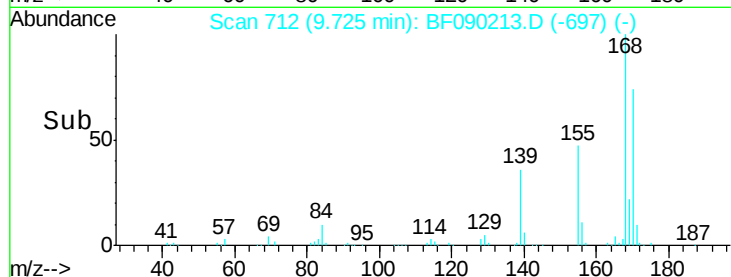
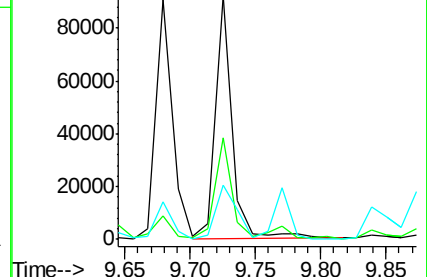
169 22.5 10.7 16.1#



Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E



#55

4-Nitrophenol

Concen: 3.40 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.02 min

Lab File: BF090213.D

Acq: 23 Sep 2016 22:23

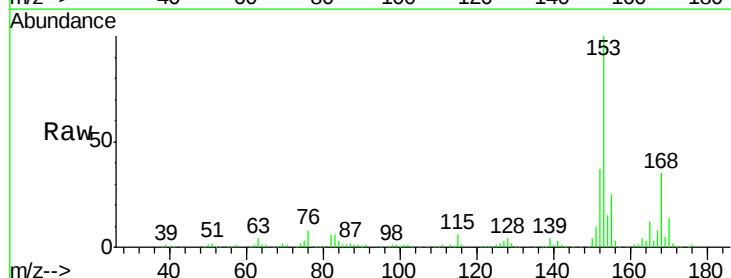
Tgt Ion:139 Resp: 7421

Ion Ratio Lower Upper

139 100

109 7.1 35.6 75.6#

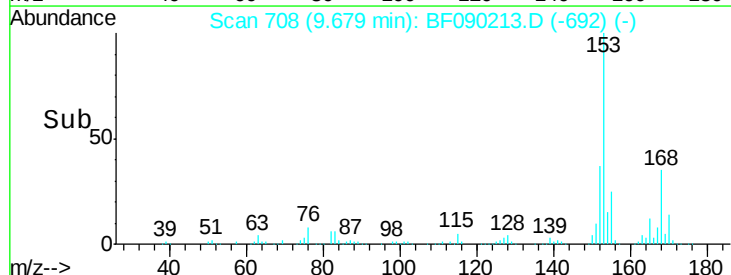
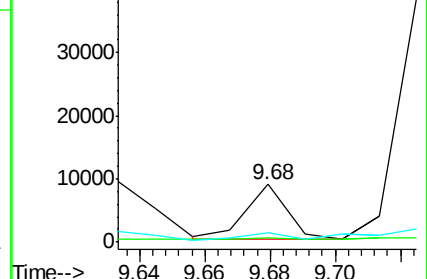
65 16.8 55.5 95.5#

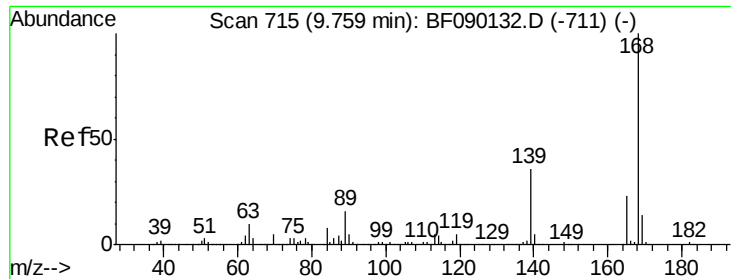


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 8.49 ng

RT: 9.68 min Scan# 708

Delta R.T. -0.08 min

Lab File: BF090213.D

Acq: 23 Sep 2016 22:23

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-18A

Tgt Ion:165 Resp: 27292

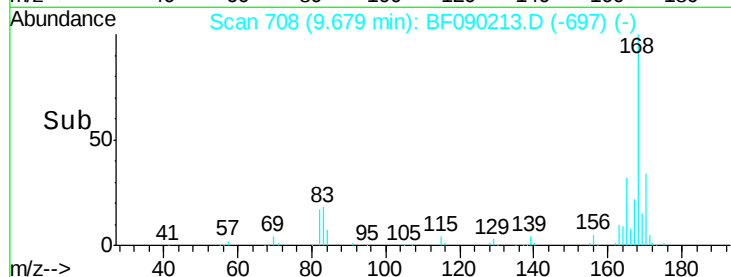
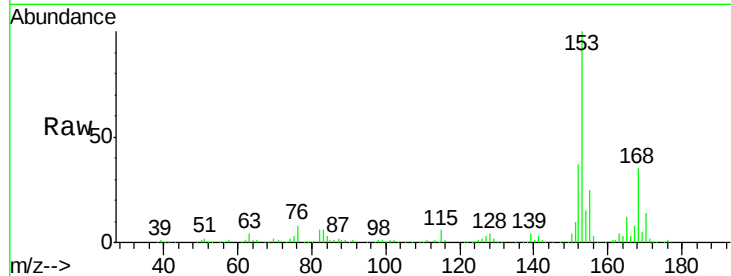
Ion Ratio Lower Upper

165 100

63 34.1 44.4 66.6#

89 11.8 70.1 105.1#

182 0.0 1.7 2.5#

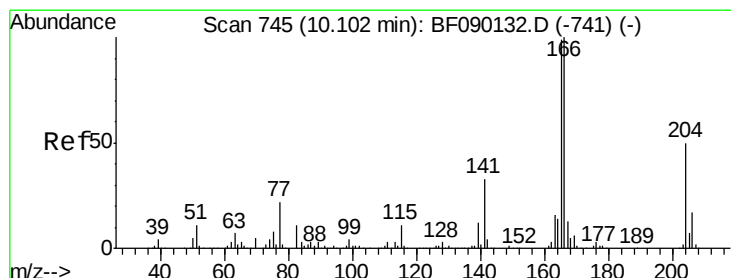
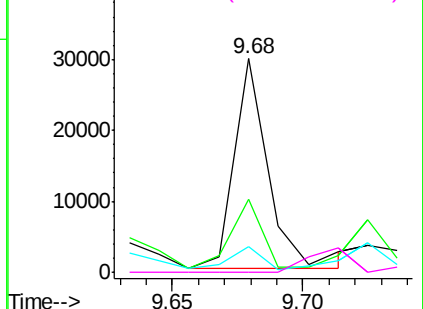


Abundance Ion 165.00 (164.70 to 165.70): E

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



#57

Fluorene

Concen: 47.80 ng

RT: 10.07 min Scan# 742

Delta R.T. -0.03 min

Lab File: BF090213.D

Acq: 23 Sep 2016 22:23

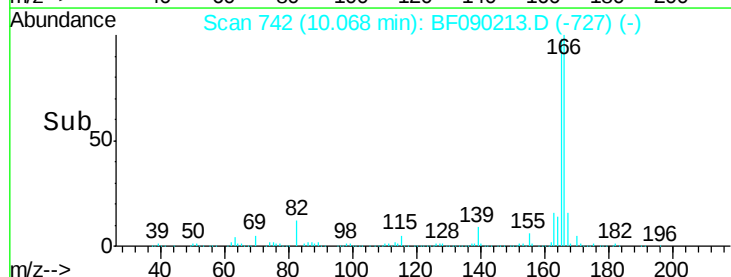
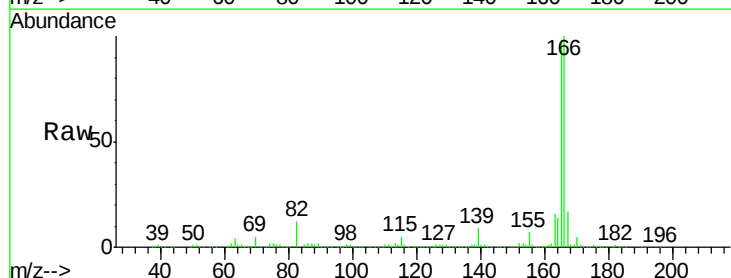
Tgt Ion:166 Resp: 462100

Ion Ratio Lower Upper

166 100

165 98.1 78.5 117.7

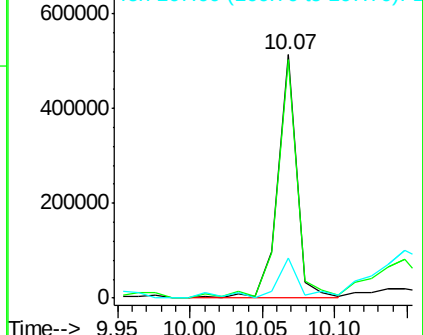
167 16.5 11.2 16.8

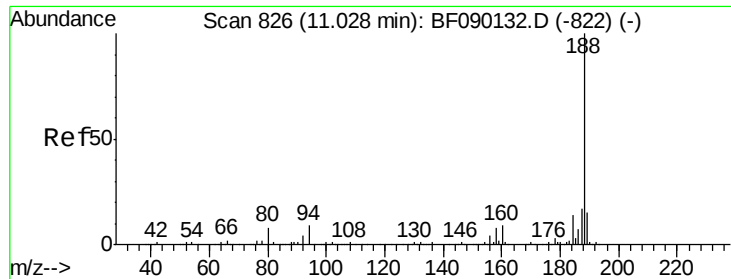


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

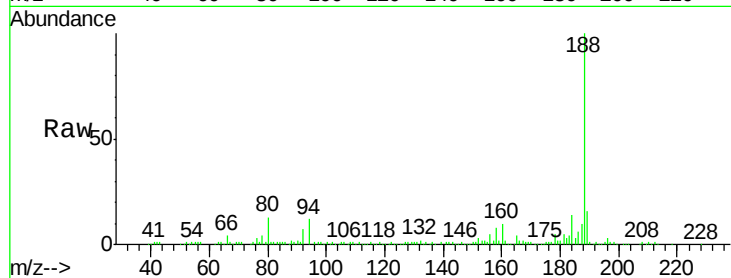




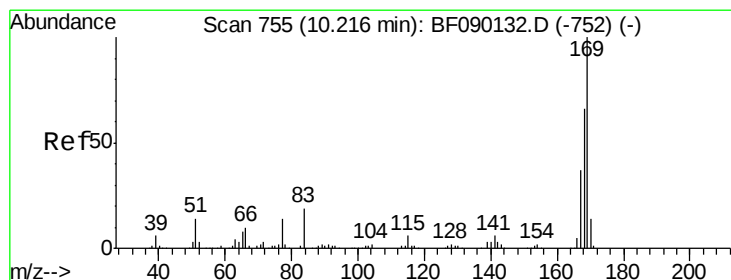
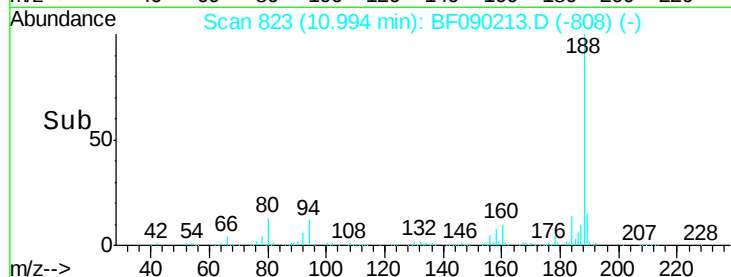
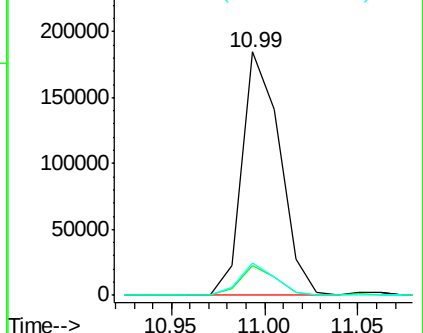
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.99 min Scan# 823
Delta R.T. -0.03 min
Lab File: BF090213.D
Acq: 23 Sep 2016 22:23

Instrument :
BNA_F
ClientSampleId :
TRACK-D-GRID-18A

Tgt Ion:188 Resp: 260316
Ion Ratio Lower Upper
188 100
94 12.1 10.5 15.7
80 13.1 11.2 16.8

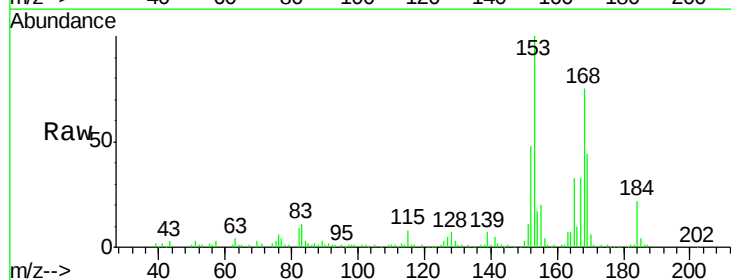


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

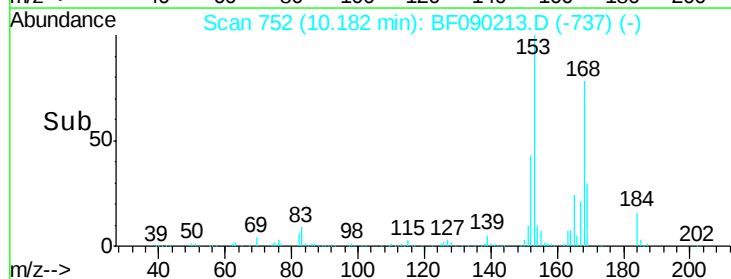
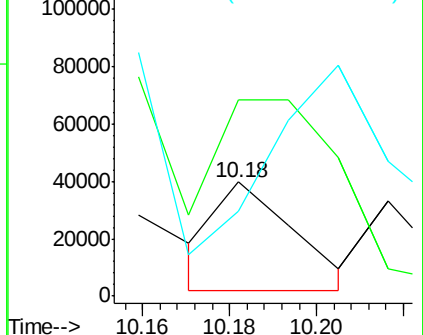


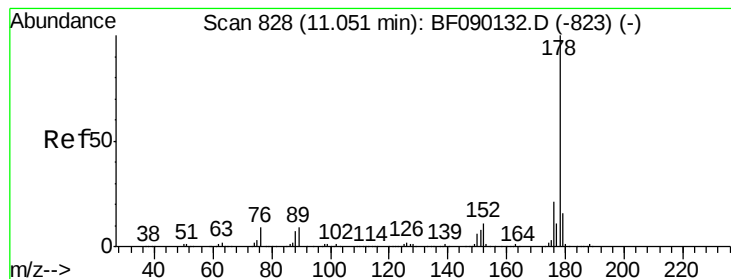
#65
n-Nitrosodiphenylamine
Concen: 5.46 ng
RT: 10.18 min Scan# 752
Delta R.T. -0.03 min
Lab File: BF090213.D
Acq: 23 Sep 2016 22:23

Tgt Ion:169 Resp: 46703
Ion Ratio Lower Upper
169 100
168 172.0 54.2 81.4#
167 75.2 30.3 45.5#



Abundance Ion 169.00 (168.70 to 169.70): E
Ion 168.00 (167.70 to 168.70): E
Ion 167.00 (166.70 to 167.70): E





#70

Phenanthrene

Concen: 279.77 ng

RT: 11.04 min Scan# 827

Delta R.T. -0.01 min

Lab File: BF090213.D

Acq: 23 Sep 2016 22:23

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-18A

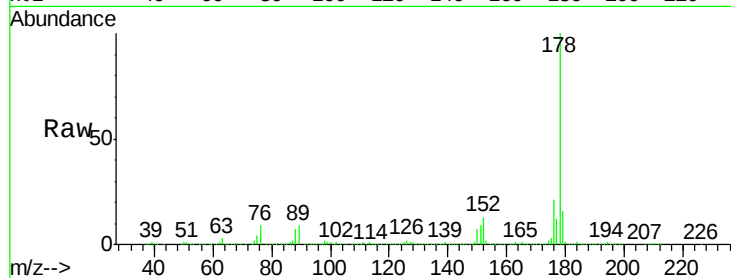
Tgt Ion:178 Resp: 3406043

Ion Ratio Lower Upper

178 100

176 21.0 15.9 23.9

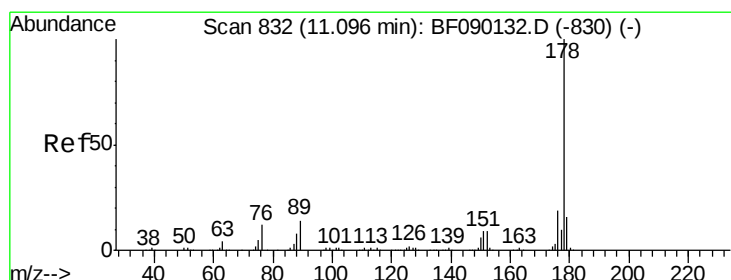
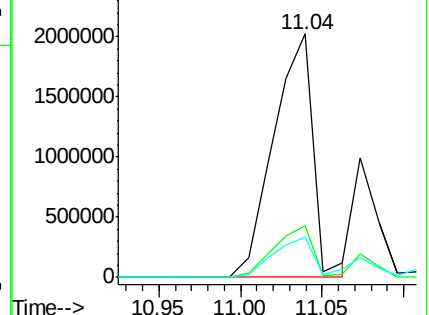
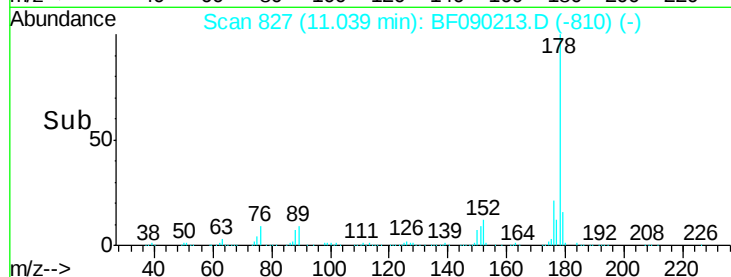
179 16.3 12.9 19.3



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



#71

Anthracene

Concen: 78.91 ng

RT: 11.07 min Scan# 830

Delta R.T. -0.02 min

Lab File: BF090213.D

Acq: 23 Sep 2016 22:23

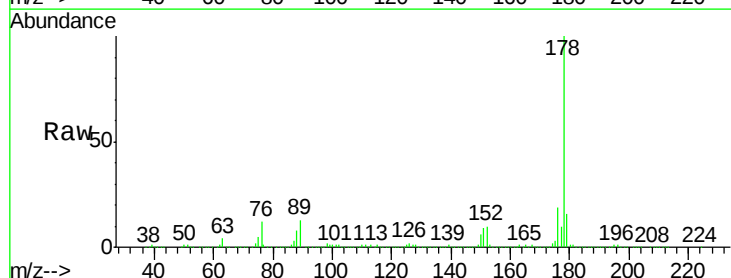
Tgt Ion:178 Resp: 1007637

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.6

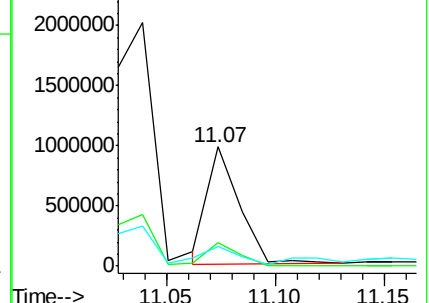
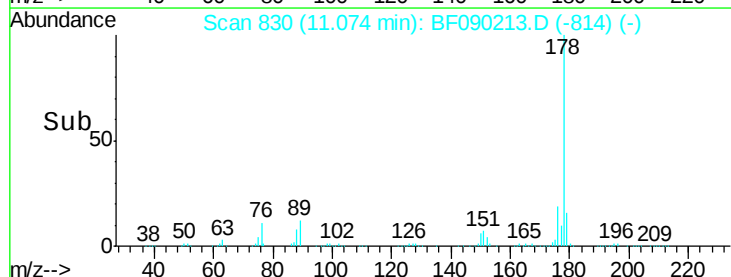
179 16.3 12.6 19.0

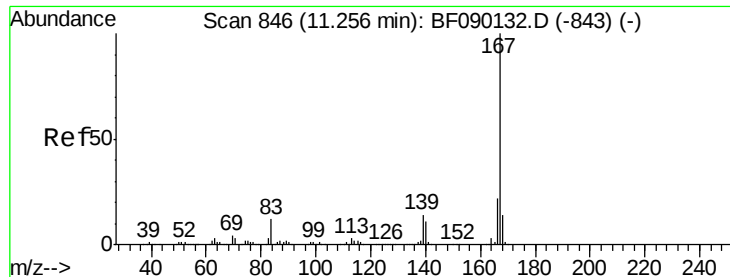


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#72

Carbazole

Concen: 4.86 ng

RT: 11.23 min Scan# 844

Delta R.T. -0.02 min

Lab File: BF090213.D

Acq: 23 Sep 2016 22:23

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-18A

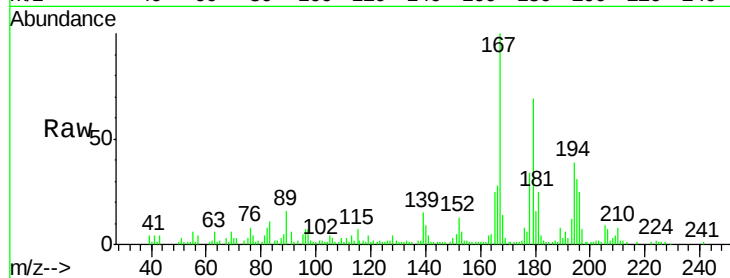
Tgt Ion:167 Resp: 65661

Ion Ratio Lower Upper

167 100

166 28.4 18.0 27.0#

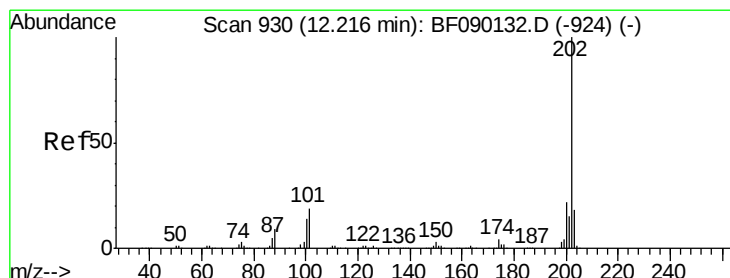
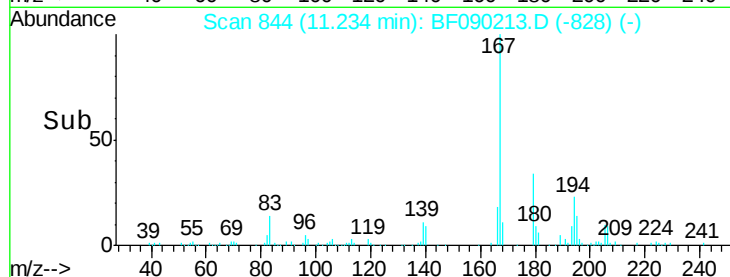
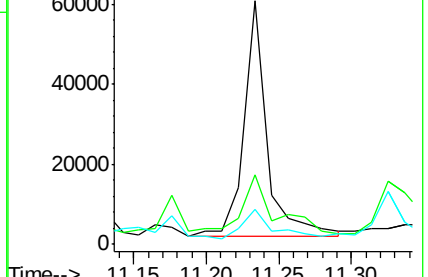
139 14.5 10.4 15.6



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#74

Fluoranthene

Concen: 160.64 ng

RT: 12.22 min Scan# 930

Delta R.T. 0.00 min

Lab File: BF090213.D

Acq: 23 Sep 2016 22:23

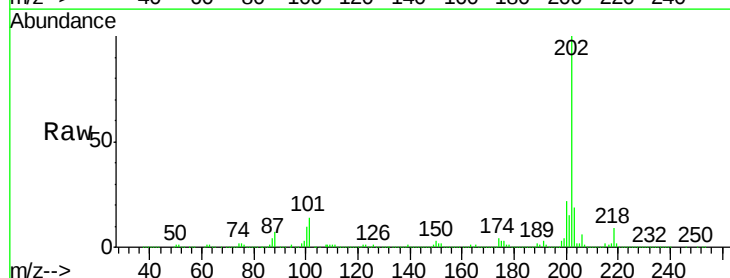
Tgt Ion:202 Resp: 2099220

Ion Ratio Lower Upper

202 100

101 13.9 0.0 36.1

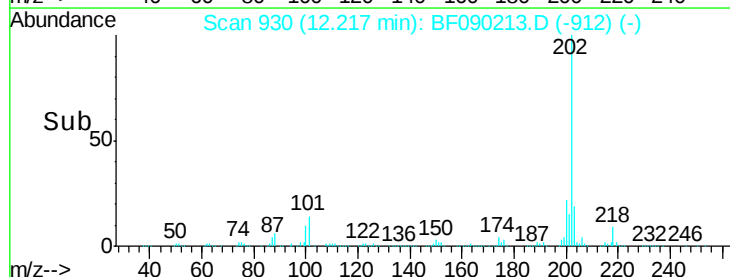
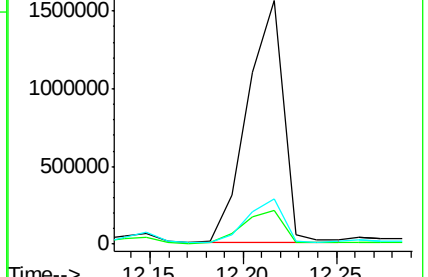
203 18.8 0.0 38.2

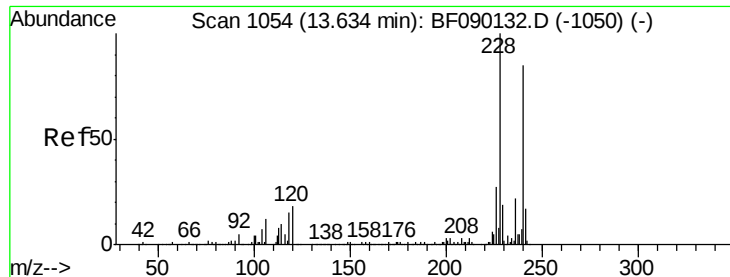


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E

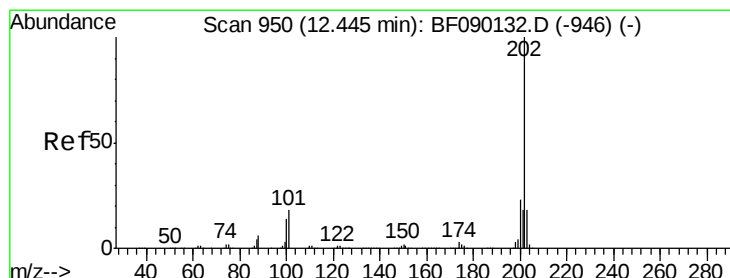
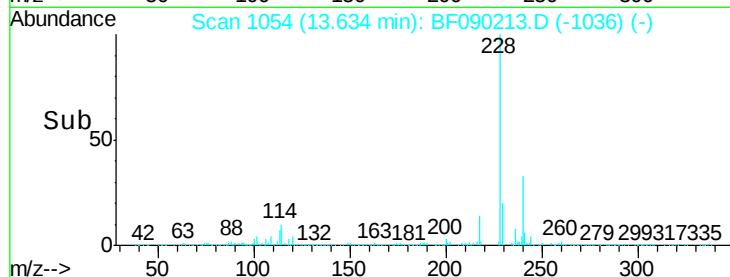
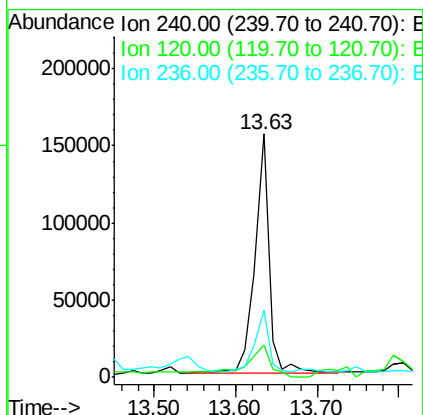
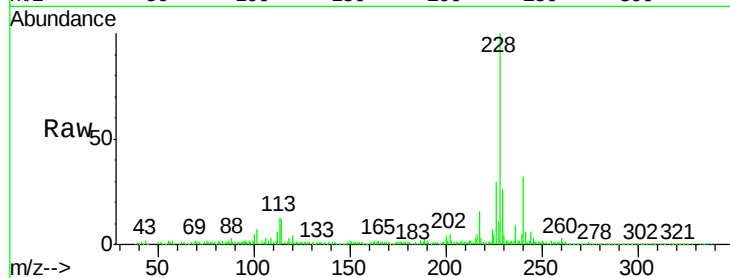




#75
Chrysene-d12
Concen: 20.00 ng
RT: 13.63 min Scan# 1054
Delta R.T. 0.00 min
Lab File: BF090213.D
Acq: 23 Sep 2016 22:23

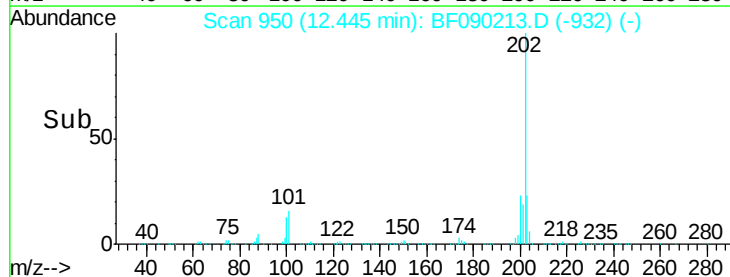
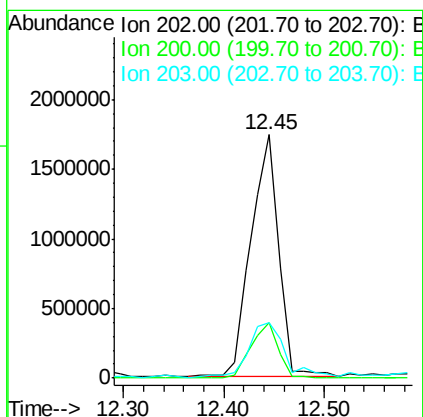
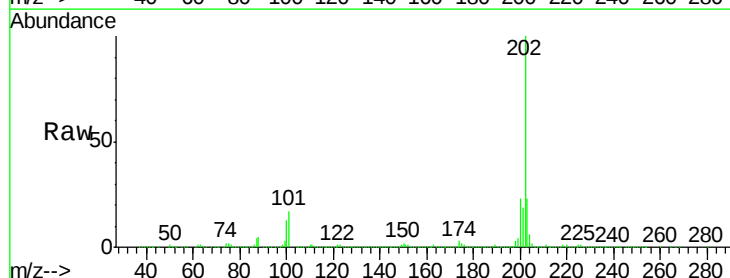
Instrument :
BNA_F
ClientSampleId :
TRACK-D-GRID-18A

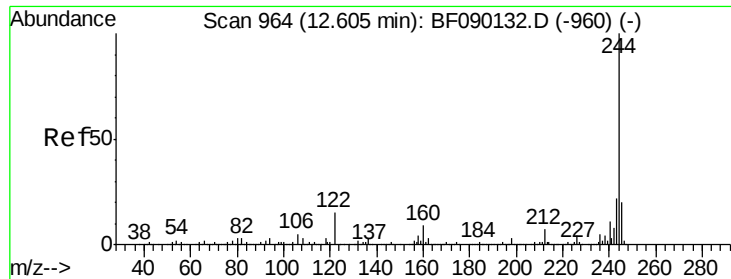
Tgt Ion:240 Resp: 187608
Ion Ratio Lower Upper
240 100
120 13.1 10.6 16.0
236 27.3 21.6 32.4



#77
Pyrene
Concen: 259.55 ng
RT: 12.45 min Scan# 950
Delta R.T. 0.00 min
Lab File: BF090213.D
Acq: 23 Sep 2016 22:23

Tgt Ion:202 Resp: 3332054
Ion Ratio Lower Upper
202 100
200 23.0 17.9 26.9
203 22.8 14.2 21.4#

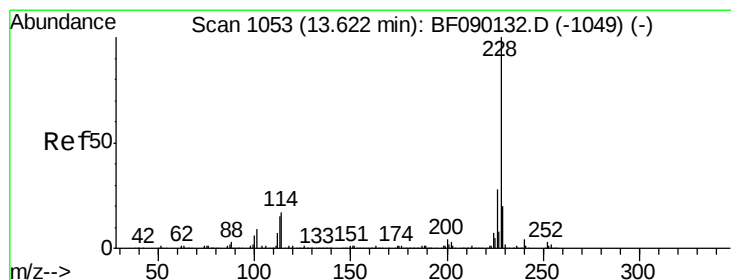
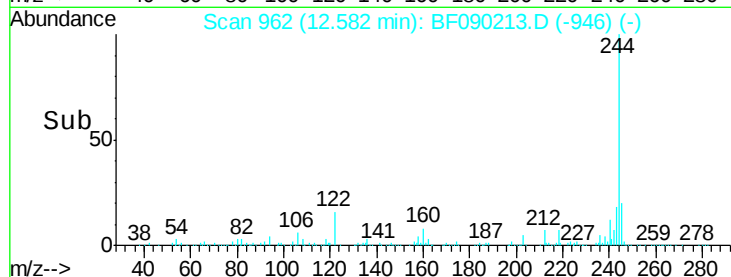
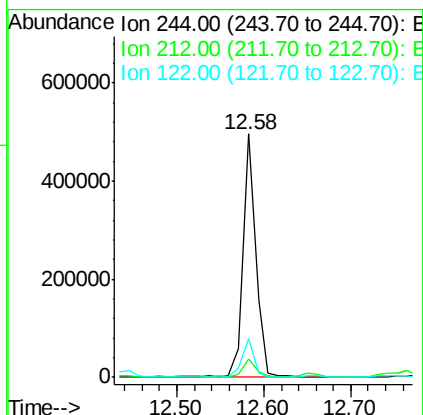
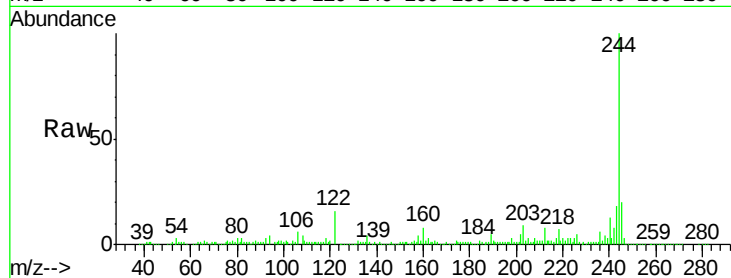




#78
 Terphenyl-d14
 Concen: 68.47 ng
 RT: 12.58 min Scan# 962
 Delta R.T. -0.02 min
 Lab File: BF090213.D
 Acq: 23 Sep 2016 22:23

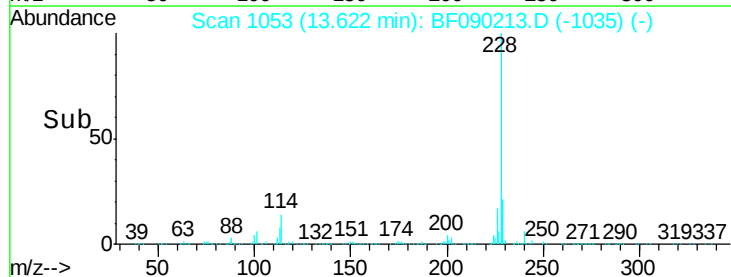
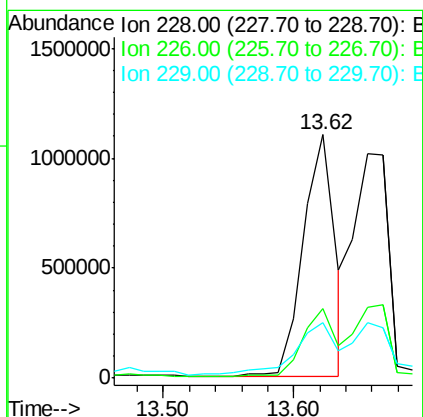
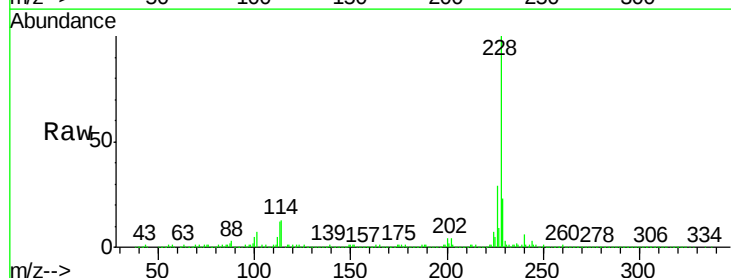
Instrument :
 BNA_F
 ClientSampleId :
 TRACK-D-GRID-18A

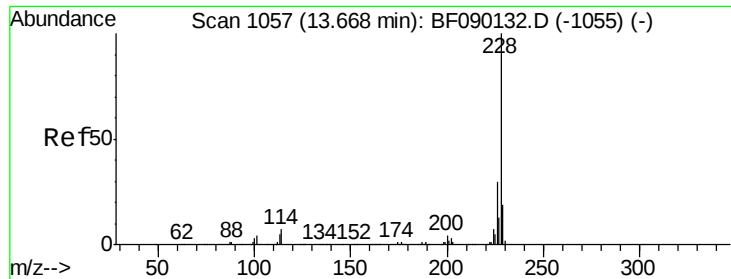
Tgt Ion:244 Resp: 505975
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.8 8.8
 122 16.1 9.4 14.0#



#80
 Benzo(a)anthracene
 Concen: 182.50 ng
 RT: 13.62 min Scan# 1053
 Delta R.T. 0.00 min
 Lab File: BF090213.D
 Acq: 23 Sep 2016 22:23

Tgt Ion:228 Resp: 1842081
 Ion Ratio Lower Upper
 228 100
 226 28.6 22.0 33.0
 229 22.5 16.2 24.2





#82

Chrysene

Concen: 187.35 ng

RT: 13.62 min Scan# 1053

Delta R.T. -0.05 min

Lab File: BF090213.D

Acq: 23 Sep 2016 22:23

Instrument :

BNA_F

ClientSampleId :

TRACK-D-GRID-18A

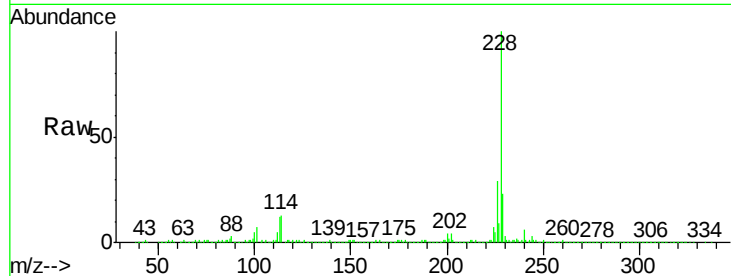
Tgt Ion:228 Resp: 1842081

Ion Ratio Lower Upper

228 100

226 28.6 24.6 37.0

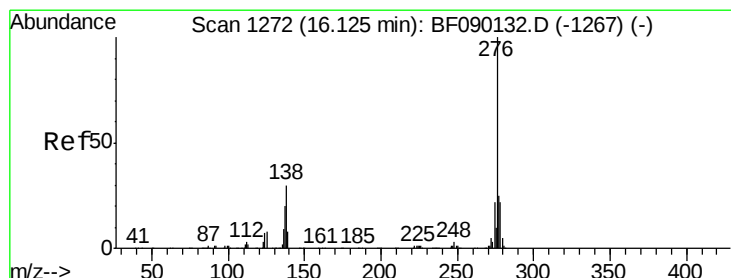
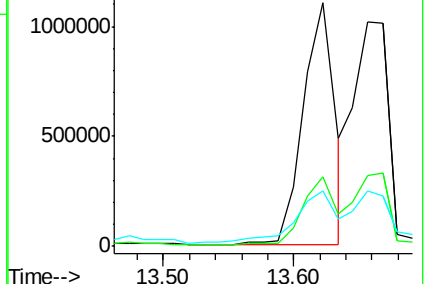
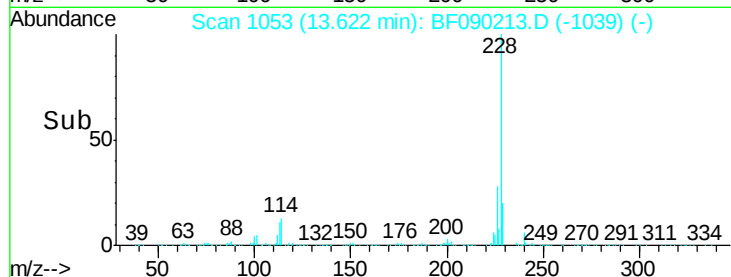
229 22.5 16.2 24.4



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: 48.57 ng

RT: 16.11 min Scan# 1271

Delta R.T. -0.01 min

Lab File: BF090213.D

Acq: 23 Sep 2016 22:23

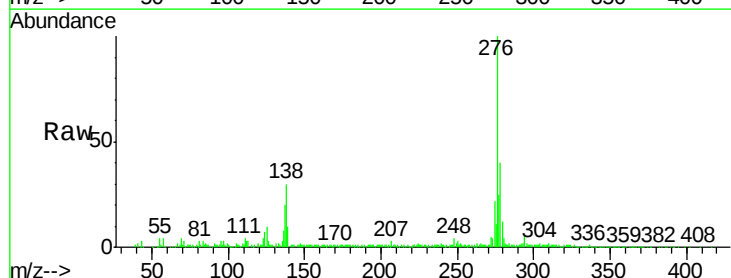
Tgt Ion:276 Resp: 386100

Ion Ratio Lower Upper

276 100

138 25.1 25.9 38.9#

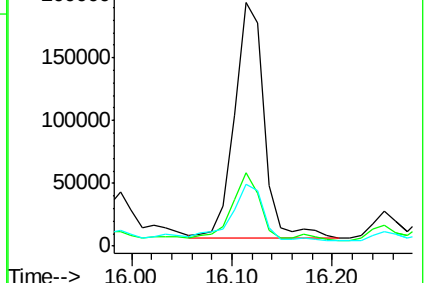
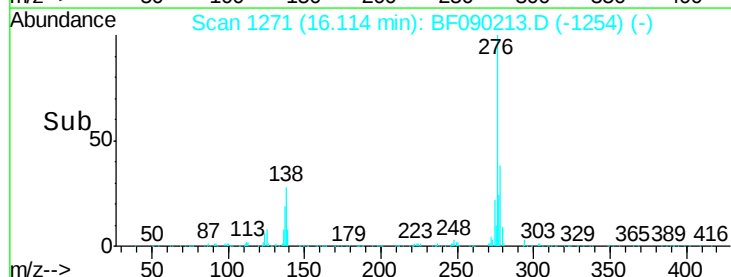
277 25.9 19.9 29.9

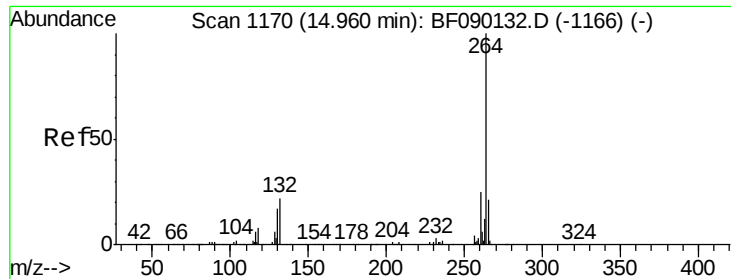


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

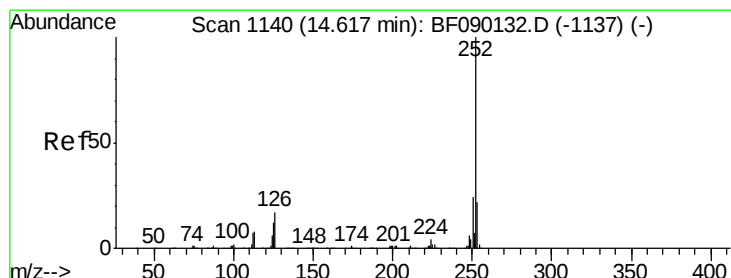
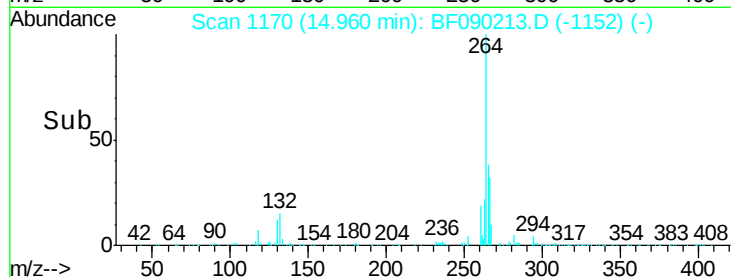
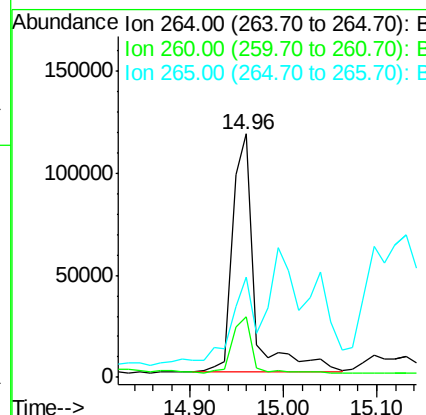
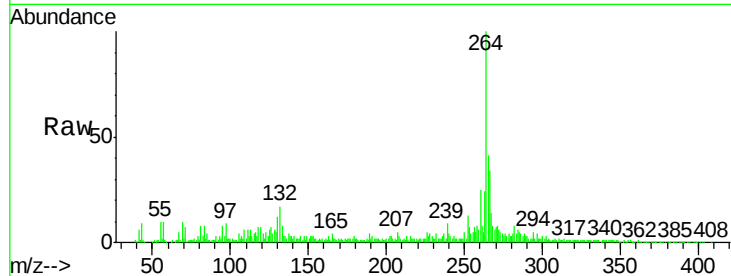




#86
Perylene-d12
Concen: 20.00 ng
RT: 14.96 min Scan# 1170
Delta R.T. 0.00 min
Lab File: BF090213.D
Acq: 23 Sep 2016 22:23

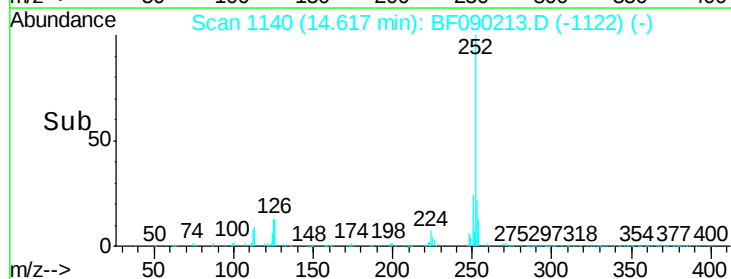
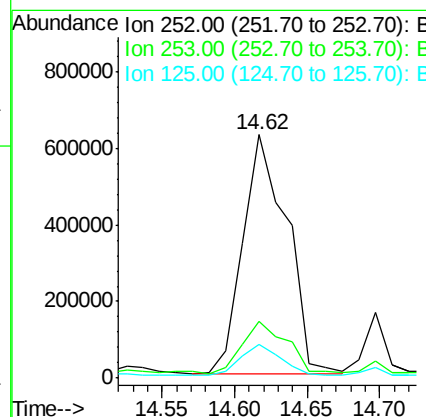
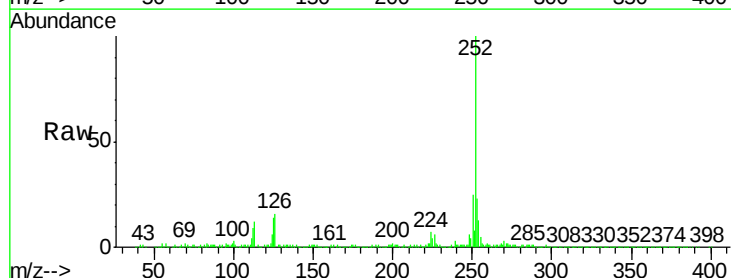
Instrument :
BNA_F
ClientSampleId :
TRACK-D-GRID-18A

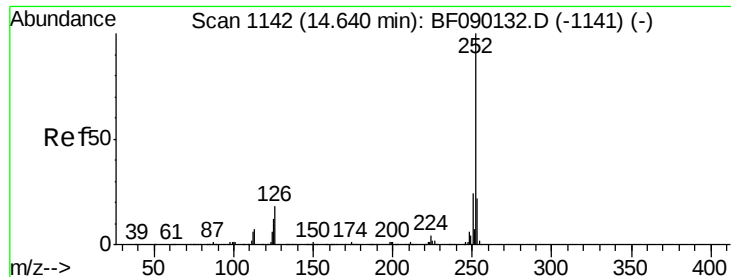
Tgt Ion:264 Resp: 195111
Ion Ratio Lower Upper
264 100
260 24.7 19.5 29.3
265 41.2 17.0 25.4#



#87
Benzo(b)fluoranthene
Concen: 120.94 ng
RT: 14.62 min Scan# 1140
Delta R.T. 0.00 min
Lab File: BF090213.D
Acq: 23 Sep 2016 22:23

Tgt Ion:252 Resp: 1306645
Ion Ratio Lower Upper
252 100
253 23.2 17.9 26.9
125 13.8 12.7 19.1

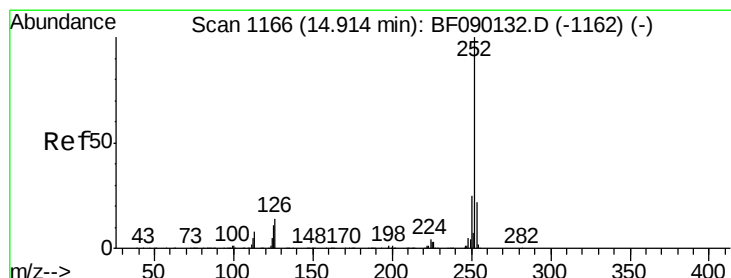
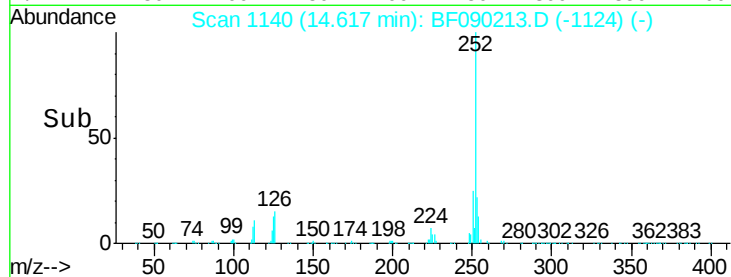
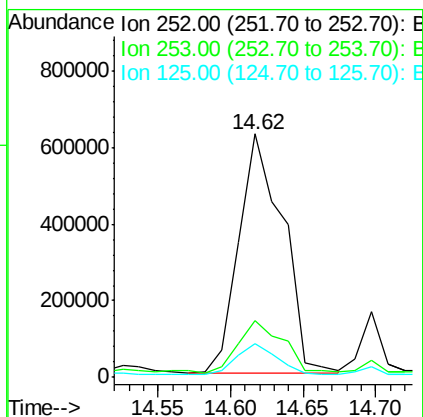
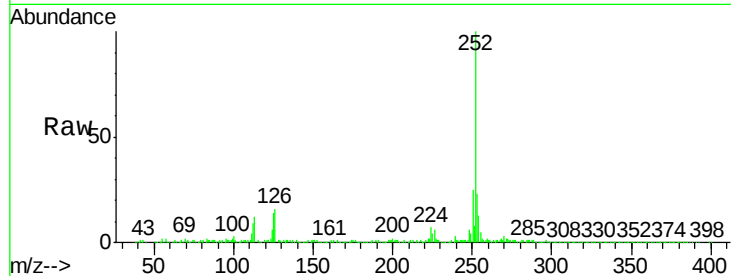




#88
Benzo(k)fluoranthene
Concen: 128.86 ng
RT: 14.62 min Scan# 1140
Delta R.T. -0.02 min
Lab File: BF090213.D
Acq: 23 Sep 2016 22:23

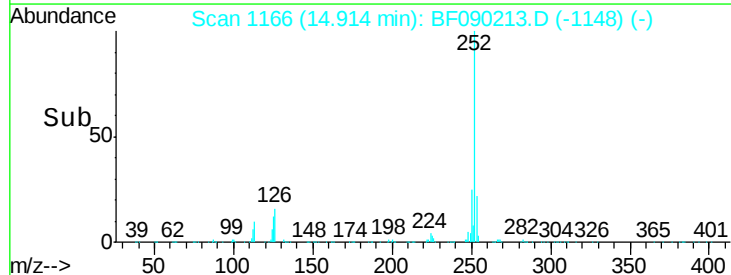
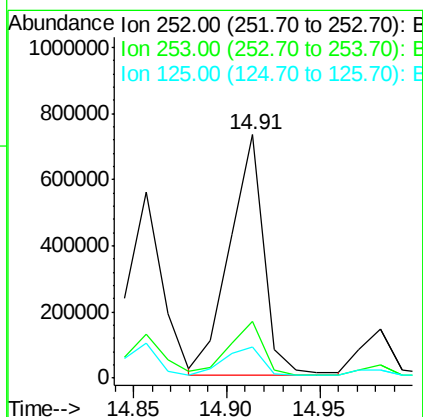
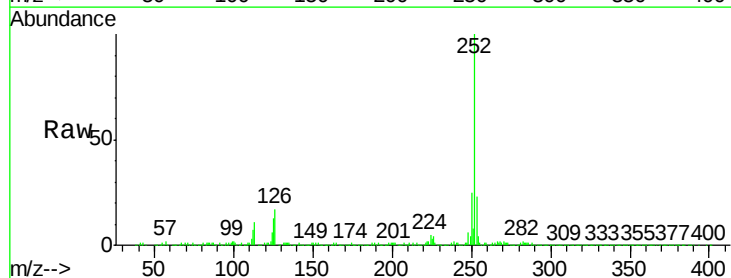
Instrument :
BNA_F
ClientSampleId :
TRACK-D-GRID-18A

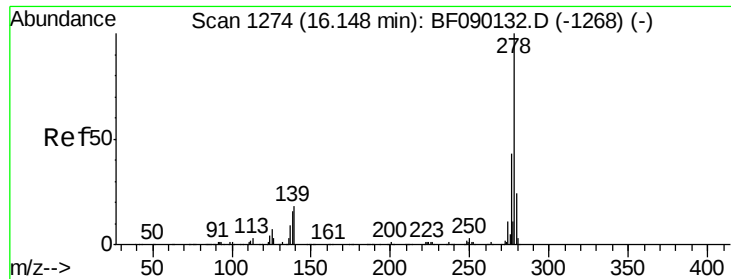
Tgt Ion:252 Resp: 1306645
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 13.8 7.8 11.6#



#89
Benzo(a)pyrene
Concen: 92.06 ng
RT: 14.91 min Scan# 1166
Delta R.T. 0.00 min
Lab File: BF090213.D
Acq: 23 Sep 2016 22:23

Tgt Ion:252 Resp: 935657
Ion Ratio Lower Upper
252 100
253 23.1 17.4 26.0
125 12.6 7.7 11.5#

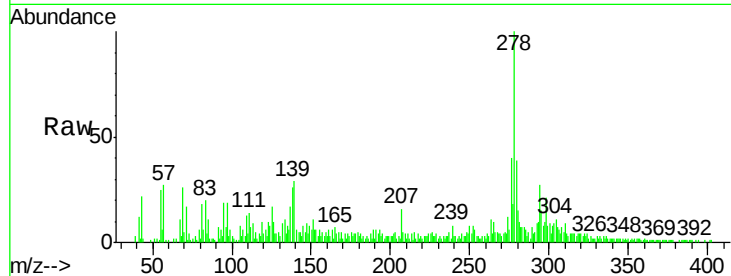




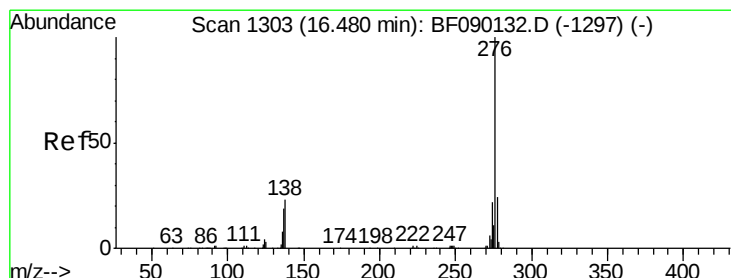
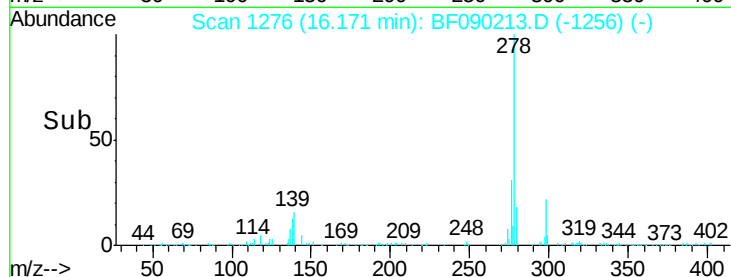
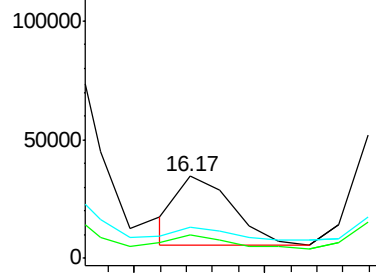
#90
Dibenzo(a,h)anthracene
Concen: 5.27 ng
RT: 16.17 min Scan# 1276
Delta R.T. 0.02 min
Lab File: BF090213.D
Acq: 23 Sep 2016 22:23

Instrument :
BNA_F
ClientSampleId :
TRACK-D-GRID-18A

Tgt Ion:278 Resp: 41816
Ion Ratio Lower Upper
278 100
139 28.8 14.6 21.8#
279 38.6 18.8 28.2#

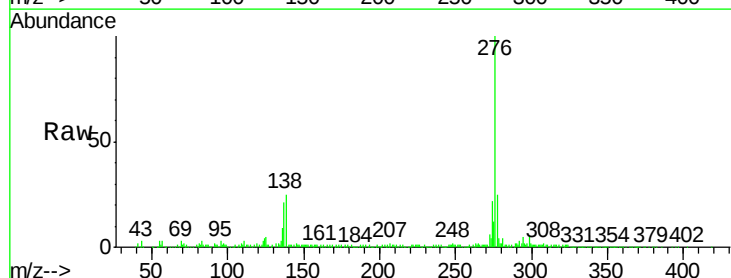


Abundance Ion 278.00 (277.70 to 278.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 279.00 (278.70 to 279.70): E



#91
Benzo(g,h,i)perylene
Concen: 54.31 ng
RT: 16.47 min Scan# 1302
Delta R.T. -0.01 min
Lab File: BF090213.D
Acq: 23 Sep 2016 22:23

Tgt Ion:276 Resp: 421582
Ion Ratio Lower Upper
276 100
277 25.2 18.9 28.3
138 25.5 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

