

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092216\
 Data File : BF090193.D
 Acq On : 22 Sep 2016 18:09
 Operator : UM/SJ
 Sample : H4856-14 5X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SS-2

Quant Time: Sep 23 01:19:49 2016
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF092016.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Sep 23 01:02:29 2016
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.50	152	121636m	20.00	ng	0.00
21) Naphthalene-d8	7.78	136	440459m	20.00	ng	-0.01
38) Acenaphthene-d10	9.53	164	224056	20.00	ng	0.00
63) Phenanthrene-d10	10.99	188	269700	20.00	ng	-0.01
75) Chrysene-d12	13.61	240	268530	20.00	ng	0.00
86) Perylene-d12	14.94	264	274570	20.00	ng	0.00

System Monitoring Compounds

5) 2-Fluorophenol	5.05	112	147745	19.80	ng	0.00
7) Phenol-d6	6.15	99	208444	22.62	ng	-0.01
23) Nitrobenzene-d5	7.06	82	115450	15.19	ng	-0.01
41) 2,4,6-Tribromophenol	10.31	330	31856	16.57	ng	-0.01
44) 2-Fluorobiphenyl	8.87	172	206449	18.09	ng	0.00
78) Terphenyl-d14	12.58	244	113799	10.76	ng	0.00

Target Compounds

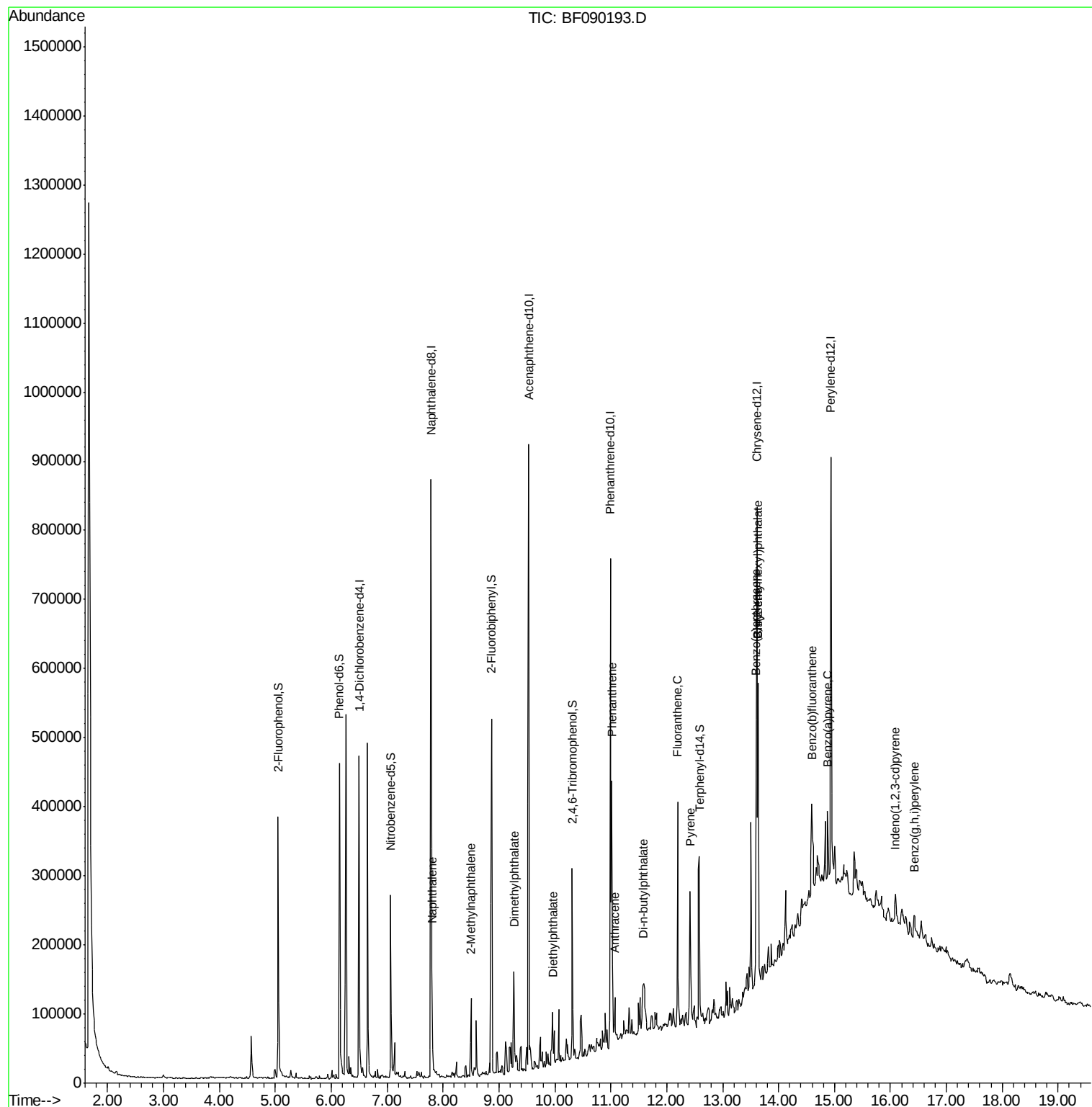
						Qvalue
31) Naphthalene	7.80	128	62318	2.97	ng	98
37) 2-Methylnaphthalene	8.50	142	39775	3.05	ng	97
49) Dimethylphthalate	9.27	163	67302	4.72	ng	100
59) Diethylphthalate	9.96	149	53361	3.87	ng	97
70) Phenanthrene	11.02	178	141433	11.21	ng	99
71) Anthracene	11.07	178	34472	2.61	ng	99
73) Di-n-butylphthalate	11.59	149	53028	3.26	ng	# 99
74) Fluoranthene	12.19	202	128500	9.49	ng	97
77) Pyrene	12.42	202	107139	5.83	ng	98
80) Benzo(a)anthracene	13.60	228	51290m	3.55	ng	
82) Chrysene	13.63	228	54454m	3.87	ng	
83) Bis(2-ethylhexyl)phthalate	13.63	149	98169	8.53	ng	# 98
85) Indeno(1,2,3-cd)pyrene	16.09	276	27330	2.40	ng	95
87) Benzo(b)fluoranthene	14.59	252	67330m	4.43	ng	
89) Benzo(a)pyrene	14.88	252	45998	3.22	ng	# 84
91) Benzo(g,h,i)perylene	16.43	276	24205	2.22	ng	96

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng m

RT: 6.50 min Scan# 430

Delta R.T. -0.00 min

Lab File: BF090193.D

Acq: 22 Sep 2016 18:09

Instrument :

BNA_F

ClientSampleId :

SS-2

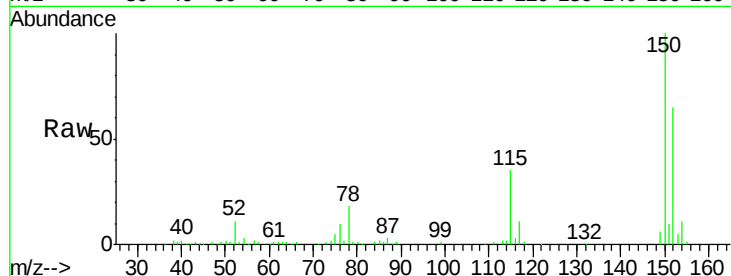
Tgt Ion:152 Resp: 121636

Ion Ratio Lower Upper

152 100

150 153.8 128.9 193.3

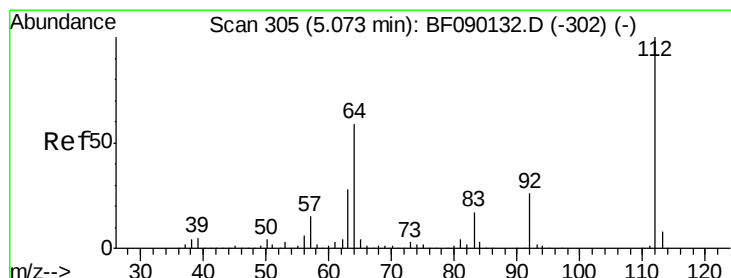
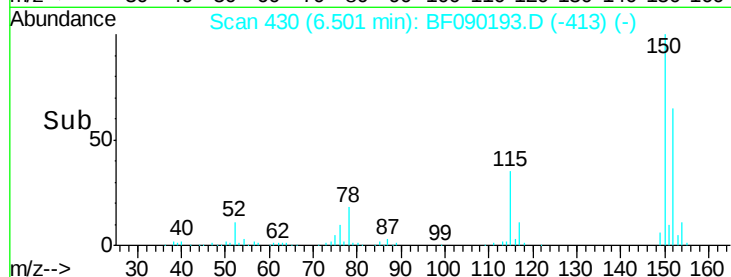
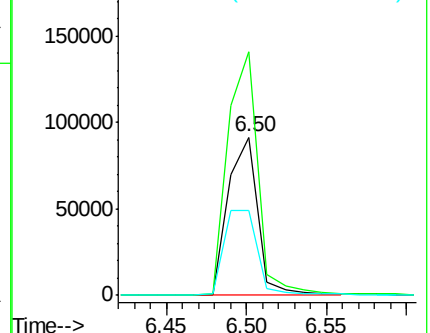
115 53.3 55.5 83.3#



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: 19.80 ng

RT: 5.05 min Scan# 303

Delta R.T. -0.00 min

Lab File: BF090193.D

Acq: 22 Sep 2016 18:09

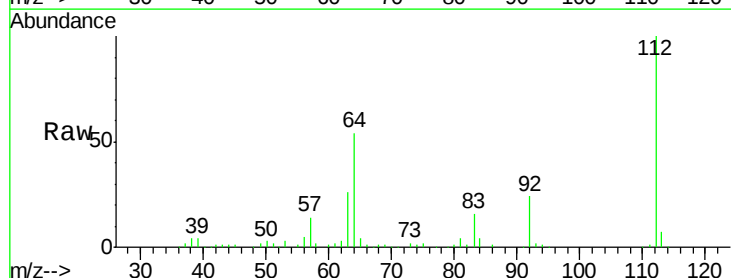
Tgt Ion:112 Resp: 147745

Ion Ratio Lower Upper

112 100

64 53.9 39.8 59.6

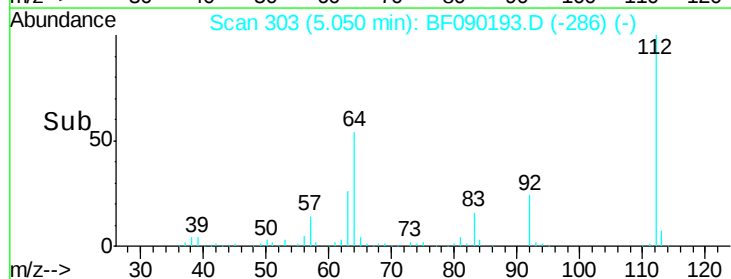
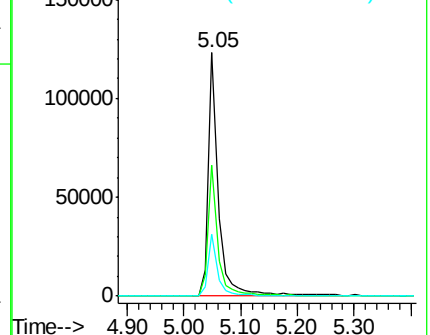
63 25.5 18.9 28.3



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: 22.62 ng

RT: 6.15 min Scan# 399

Delta R.T. -0.01 min

Lab File: BF090193.D

Acq: 22 Sep 2016 18:09

Instrument :

BNA_F

ClientSampled :

SS-2

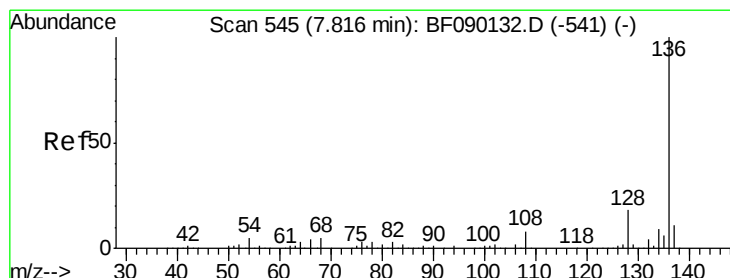
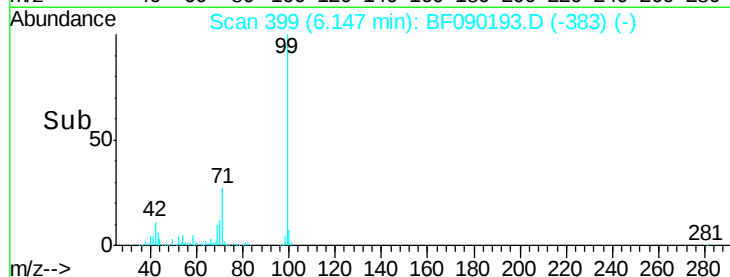
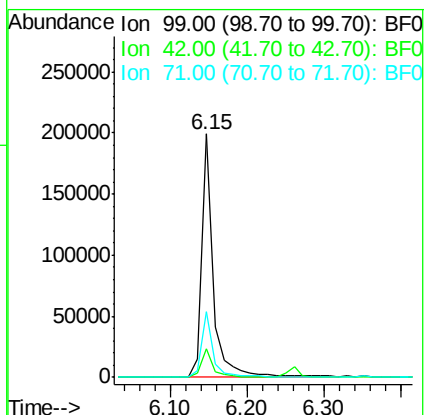
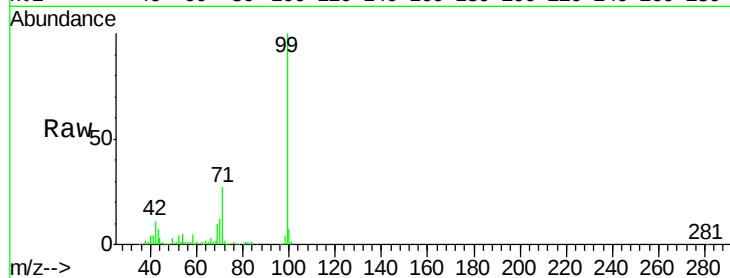
Tgt Ion: 99 Resp: 208444

Ion Ratio Lower Upper

99 100

42 11.5 10.6 15.8

71 26.7 23.0 34.6



#21

Naphthalene-d8

Concen: 20.00 ng m

RT: 7.78 min Scan# 542

Delta R.T. -0.01 min

Lab File: BF090193.D

Acq: 22 Sep 2016 18:09

Tgt Ion: 136 Resp: 440459

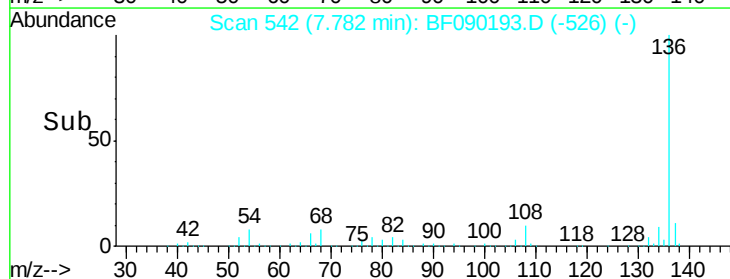
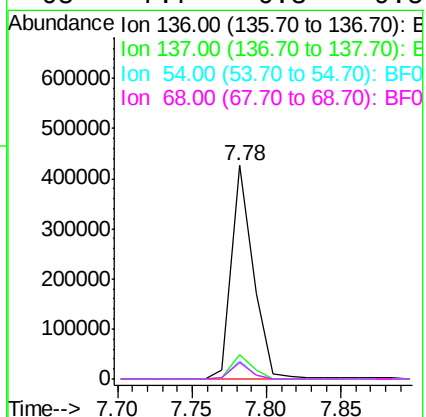
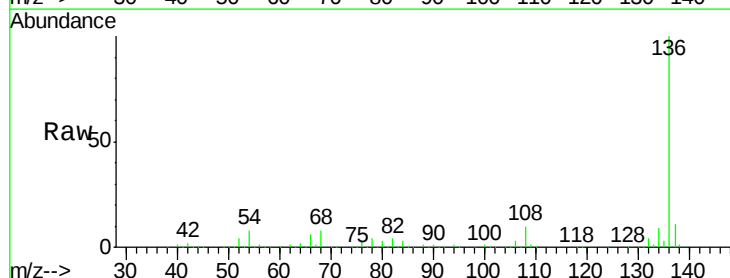
Ion Ratio Lower Upper

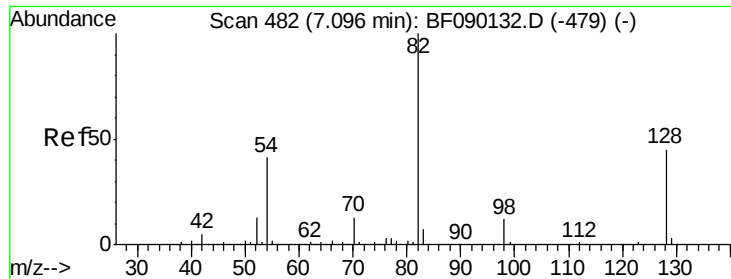
136 100

137 11.2 9.0 13.4

54 8.4 6.4 9.6

68 7.7 6.3 9.5

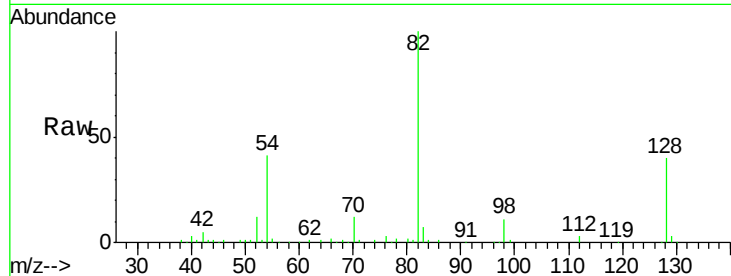




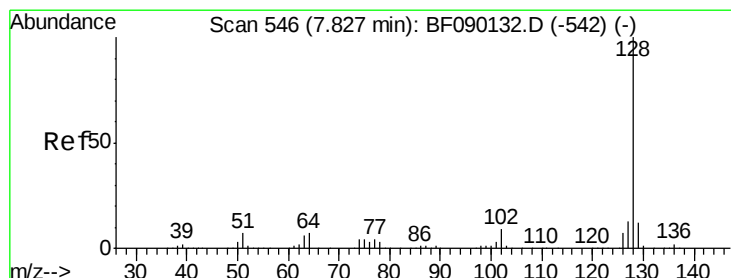
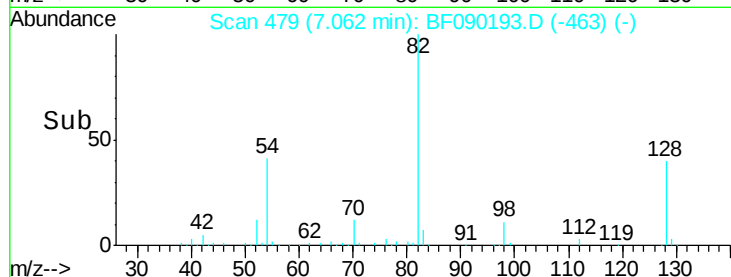
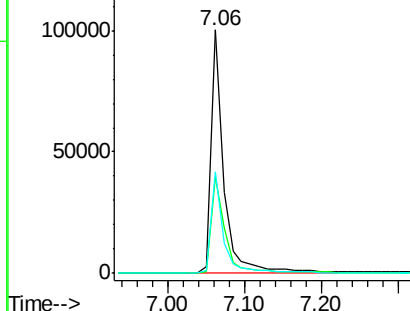
#23
 Nitrobenzene-d5
 Concen: 15.19 ng
 RT: 7.06 min Scan# 479
 Delta R.T. -0.01 min
 Lab File: BF090193.D
 Acq: 22 Sep 2016 18:09

Instrument :
 BNA_F
 ClientSampleId :
 SS-2

Tgt Ion: 82 Resp: 115450
 Ion Ratio Lower Upper
 82 100
 128 39.8 37.5 56.3
 54 41.5 31.9 47.9

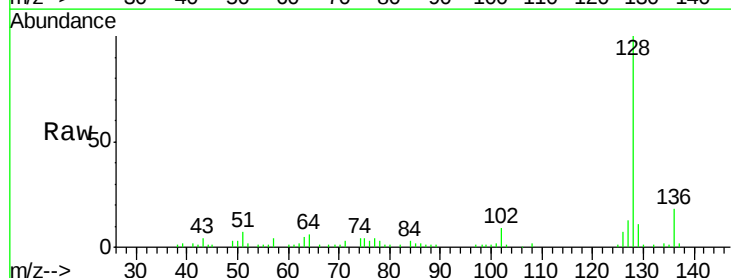


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

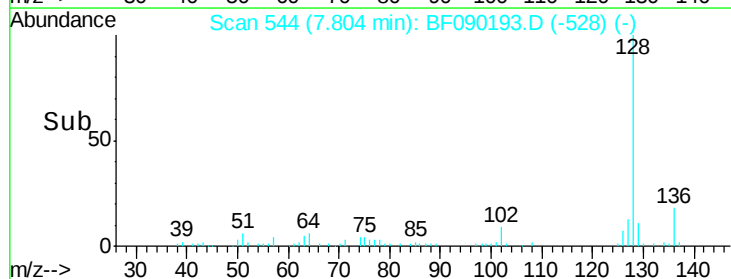
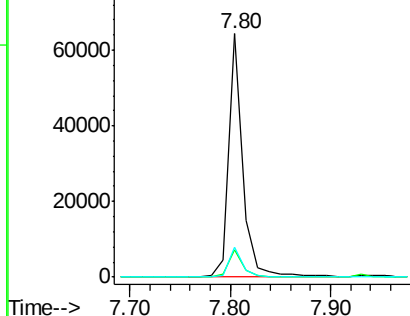


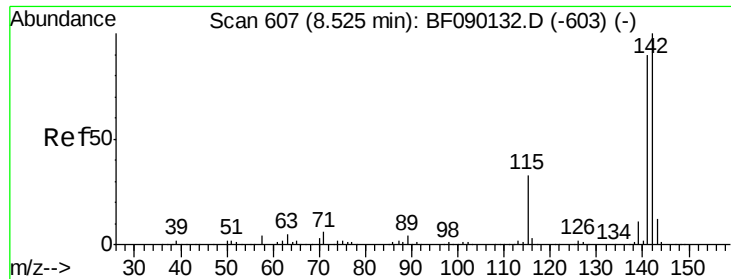
#31
 Naphthalene
 Concen: 2.97 ng
 RT: 7.80 min Scan# 544
 Delta R.T. -0.01 min
 Lab File: BF090193.D
 Acq: 22 Sep 2016 18:09

Tgt Ion: 128 Resp: 62318
 Ion Ratio Lower Upper
 128 100
 129 11.0 9.3 13.9
 127 12.5 10.8 16.2



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E

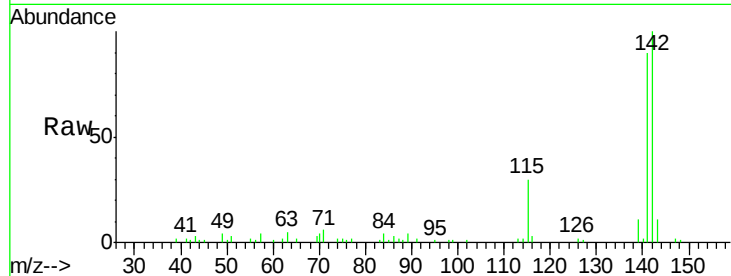




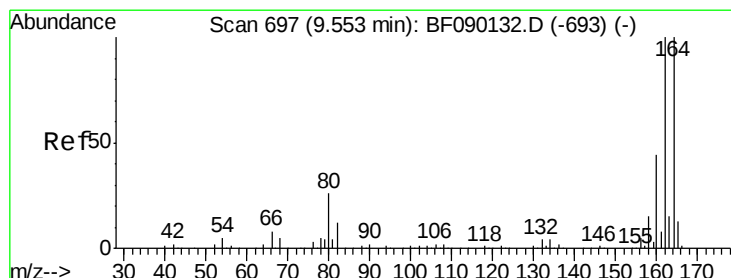
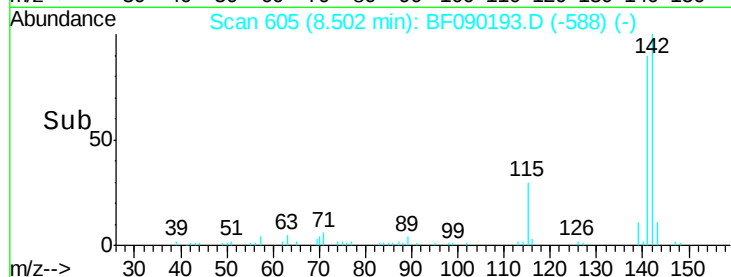
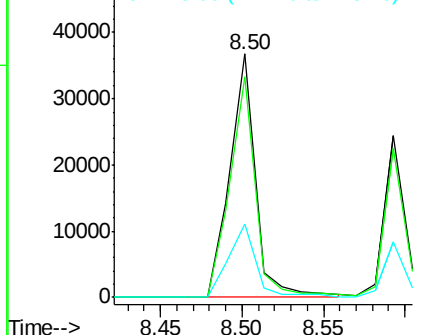
#37
 2-Methylnaphthalene
 Concen: 3.05 ng
 RT: 8.50 min Scan# 605
 Delta R.T. -0.00 min
 Lab File: BF090193.D
 Acq: 22 Sep 2016 18:09

Instrument :
 BNA_F
 ClientSampleID :
 SS-2

Tgt Ion:142 Resp: 39775
 Ion Ratio Lower Upper
 142 100
 141 90.4 71.4 107.2
 115 29.9 28.3 42.5

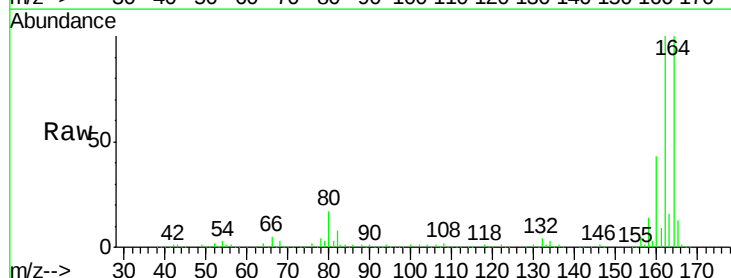


Abundance Ion 142.00 (141.70 to 142.70): E
 Ion 141.00 (140.70 to 141.70): E
 Ion 115.00 (114.70 to 115.70): E

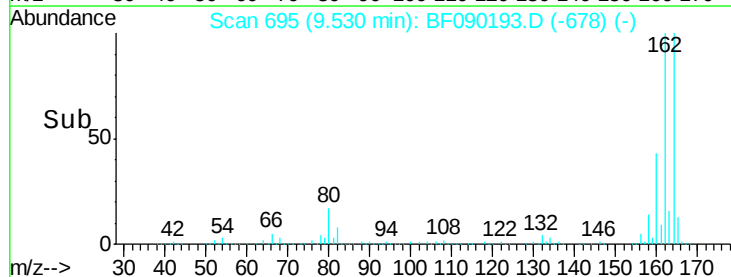
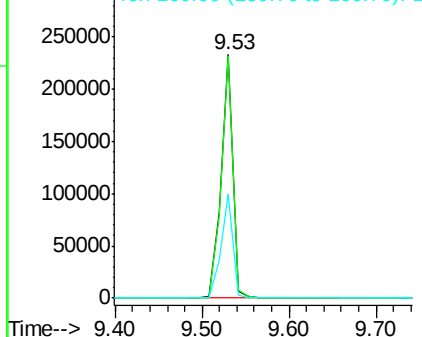


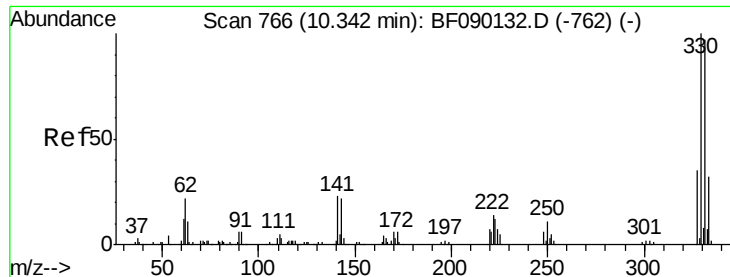
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.53 min Scan# 695
 Delta R.T. -0.00 min
 Lab File: BF090193.D
 Acq: 22 Sep 2016 18:09

Tgt Ion:164 Resp: 224056
 Ion Ratio Lower Upper
 164 100
 162 99.7 81.4 122.2
 160 42.7 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

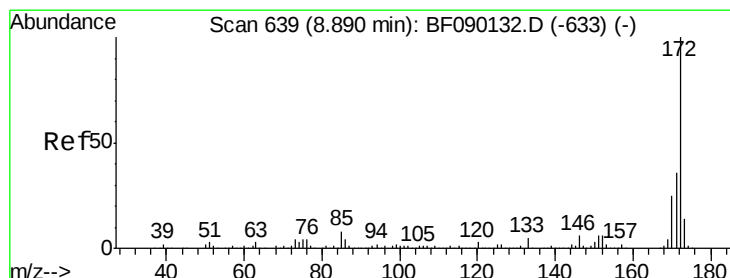
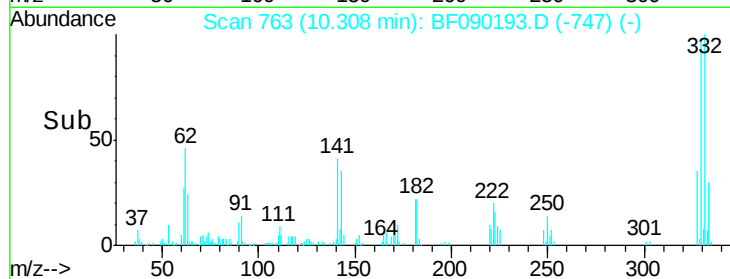
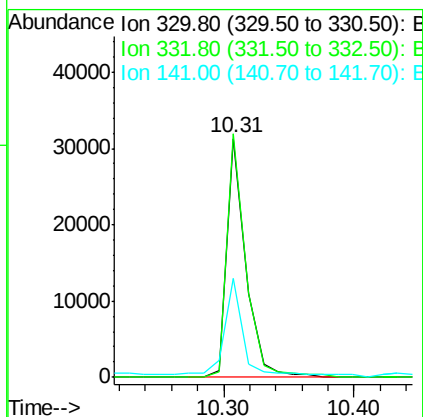
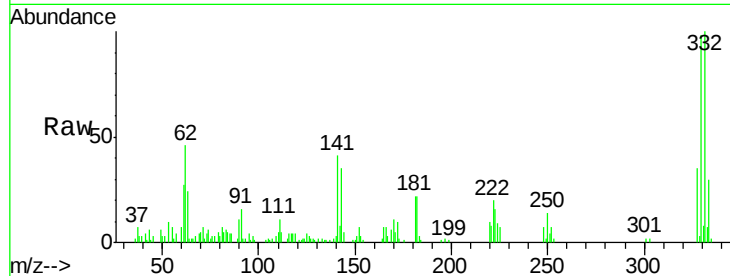




#41
 2,4,6-Tribromophenol
 Concen: 16.57 ng
 RT: 10.31 min Scan# 763
 Delta R.T. -0.01 min
 Lab File: BF090193.D
 Acq: 22 Sep 2016 18:09

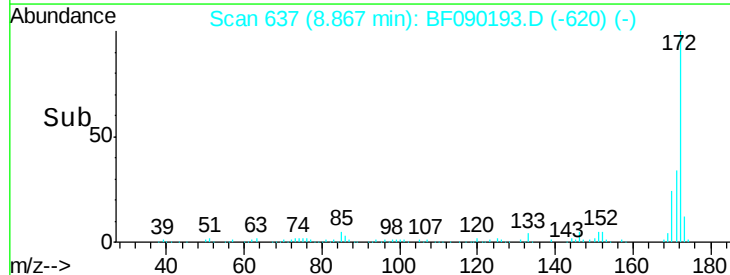
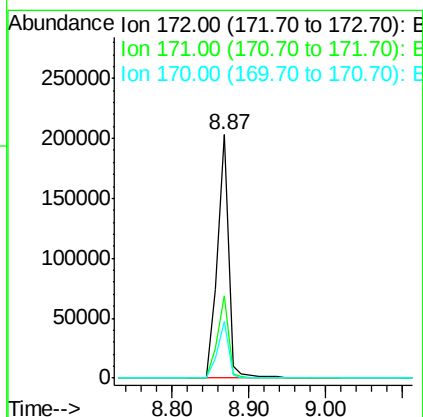
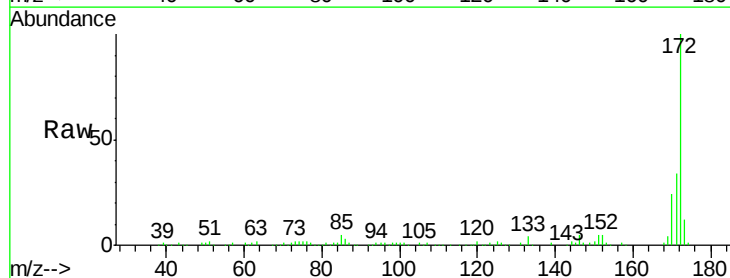
Instrument :
 BNA_F
 ClientSampleId :
 SS-2

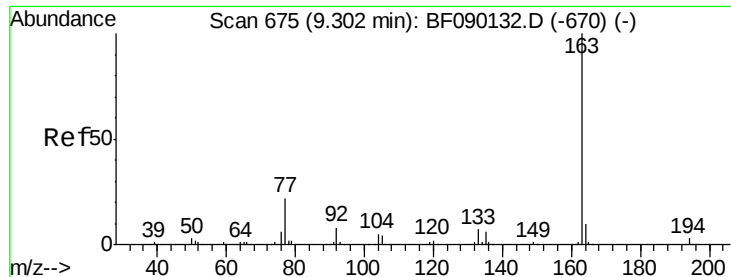
Tgt Ion:330 Resp: 31856
 Ion Ratio Lower Upper
 330 100
 332 101.3 78.1 117.1
 141 46.1 23.9 35.9#



#44
 2-Fluorobiphenyl
 Concen: 18.09 ng
 RT: 8.87 min Scan# 637
 Delta R.T. -0.00 min
 Lab File: BF090193.D
 Acq: 22 Sep 2016 18:09

Tgt Ion:172 Resp: 206449
 Ion Ratio Lower Upper
 172 100
 171 34.0 29.2 43.8
 170 23.5 19.8 29.8





#49

Dimethylphthalate

Concen: 4.72 ng

RT: 9.27 min Scan# 672

Delta R.T. -0.01 min

Lab File: BF090193.D

Acq: 22 Sep 2016 18:09

Instrument :

BNA_F

ClientSampleId :

SS-2

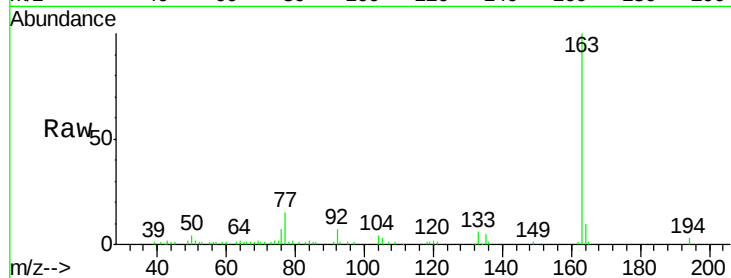
Tgt Ion:163 Resp: 67302

Ion Ratio Lower Upper

163 100

194 3.4 2.8 4.2

164 10.0 8.1 12.1



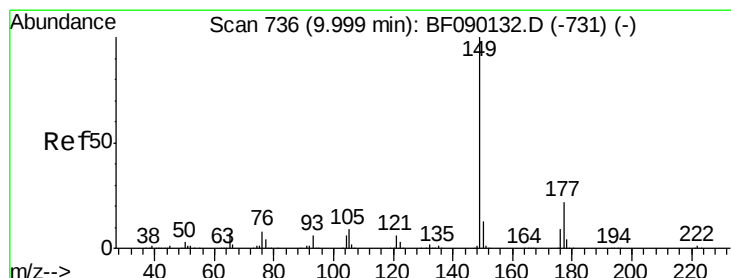
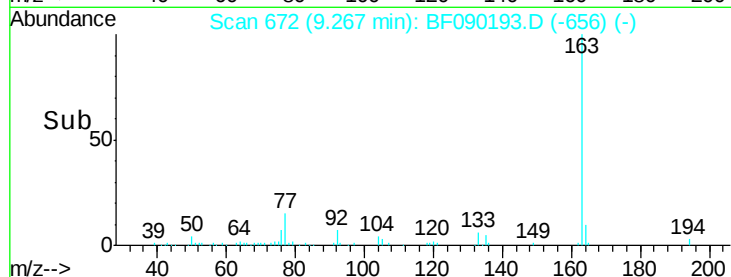
Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

9.27

Time-->



#59

Diethylphthalate

Concen: 3.87 ng

RT: 9.96 min Scan# 733

Delta R.T. -0.01 min

Lab File: BF090193.D

Acq: 22 Sep 2016 18:09

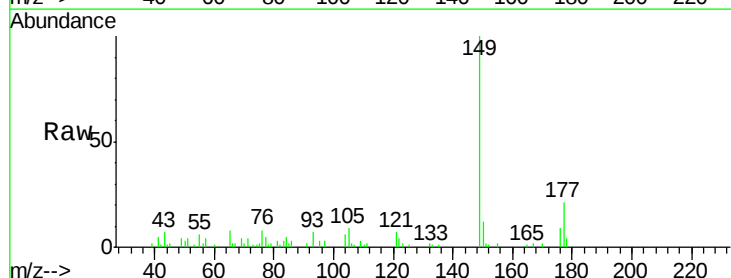
Tgt Ion:149 Resp: 53361

Ion Ratio Lower Upper

149 100

177 21.4 15.8 23.6

150 12.1 10.4 15.6



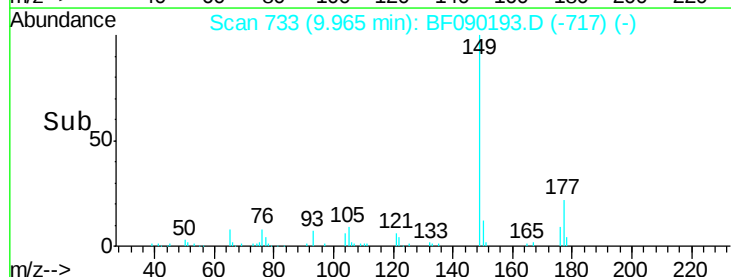
Abundance Ion 149.00 (148.70 to 149.70): E

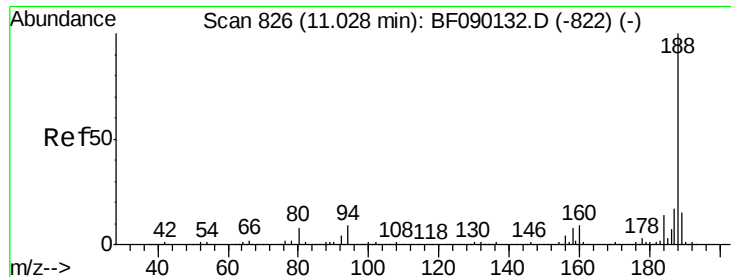
Ion 177.00 (176.70 to 177.70): E

Ion 150.00 (149.70 to 150.70): E

9.96

Time-->

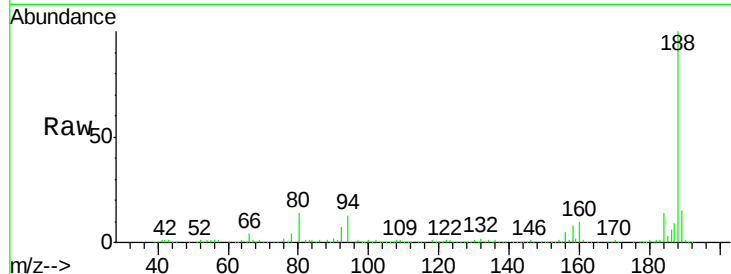




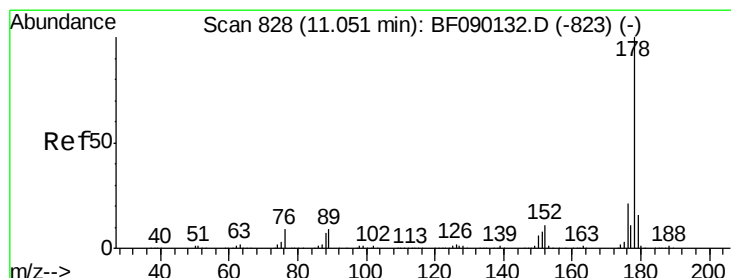
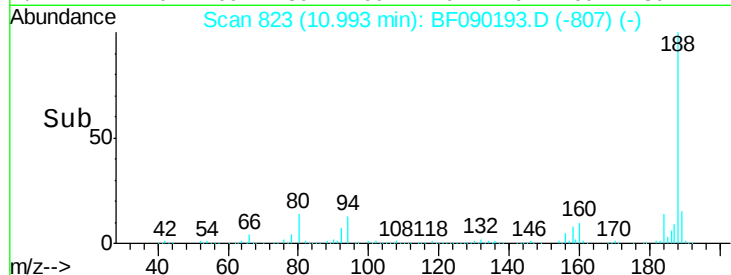
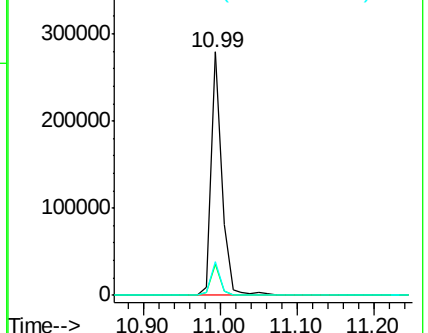
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 10.99 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF090193.D
Acq: 22 Sep 2016 18:09

Instrument :
BNA_F
ClientSampleId :
SS-2

Tgt Ion:188 Resp: 269700
Ion Ratio Lower Upper
188 100
94 12.9 10.5 15.7
80 13.8 11.2 16.8

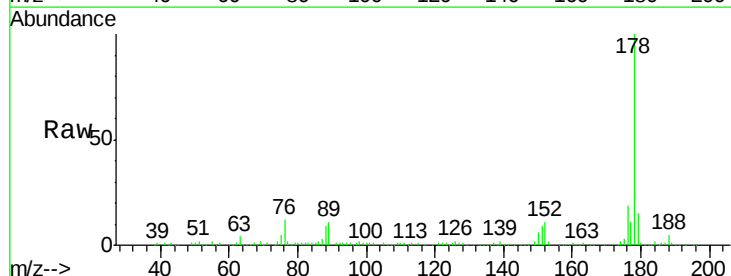


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

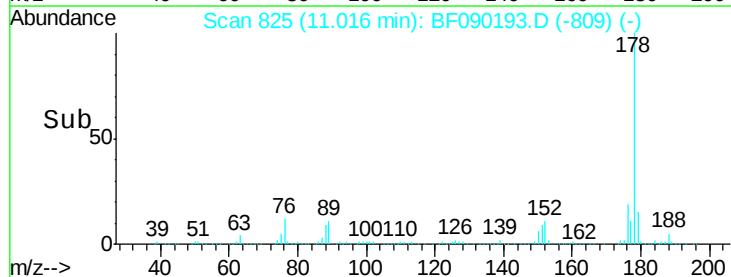
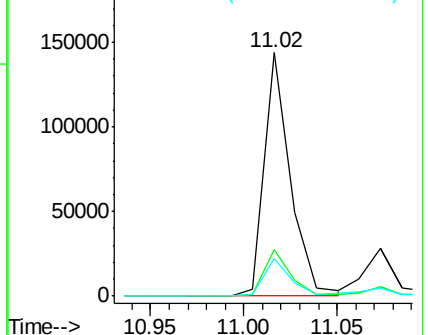


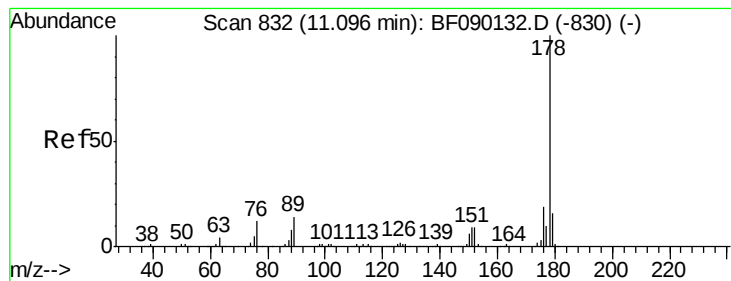
#70
Phenanthrene
Concen: 11.21 ng
RT: 11.02 min Scan# 825
Delta R.T. -0.01 min
Lab File: BF090193.D
Acq: 22 Sep 2016 18:09

Tgt Ion:178 Resp: 141433
Ion Ratio Lower Upper
178 100
176 19.3 15.9 23.9
179 15.5 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: 2.61 ng

RT: 11.07 min Scan# 830

Delta R.T. -0.00 min

Lab File: BF090193.D

Acq: 22 Sep 2016 18:09

Instrument :

BNA_F

ClientSampleId :

SS-2

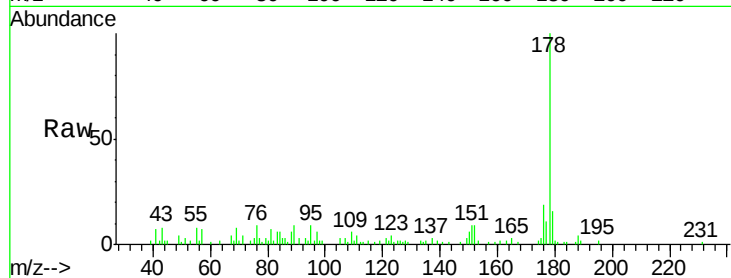
Tgt Ion:178 Resp: 34472

Ion Ratio Lower Upper

178 100

176 19.4 15.8 23.6

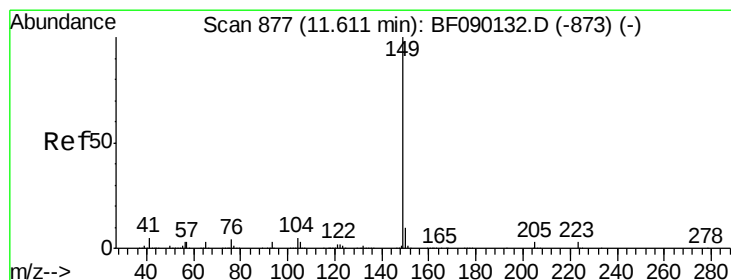
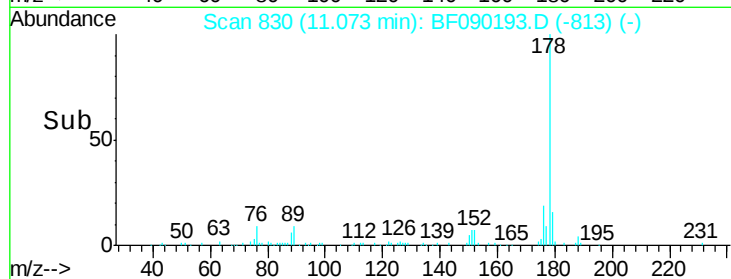
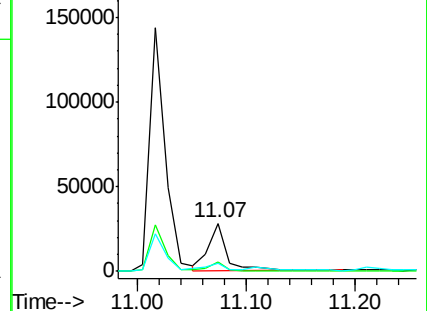
179 16.0 12.6 19.0



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



#73

Di-n-butylphthalate

Concen: 3.26 ng

RT: 11.59 min Scan# 875

Delta R.T. -0.00 min

Lab File: BF090193.D

Acq: 22 Sep 2016 18:09

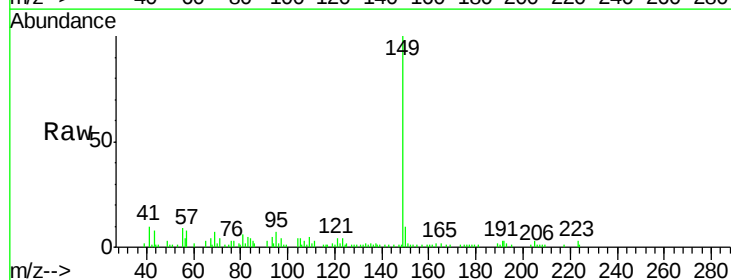
Tgt Ion:149 Resp: 53028

Ion Ratio Lower Upper

149 100

150 10.0 7.8 11.8

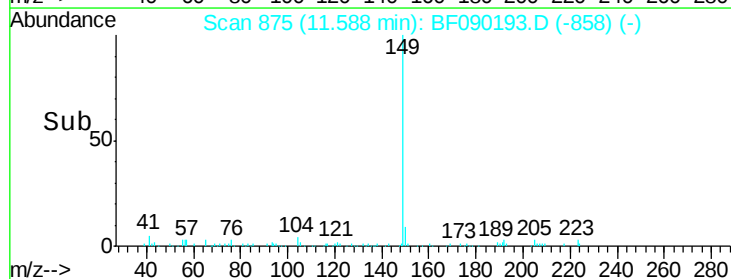
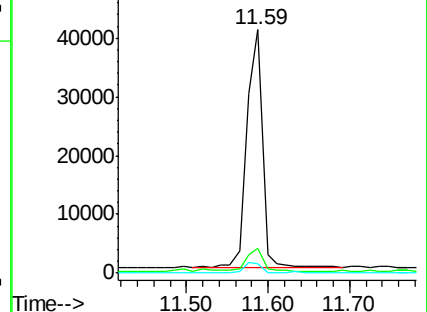
104 3.8 3.9 5.9#

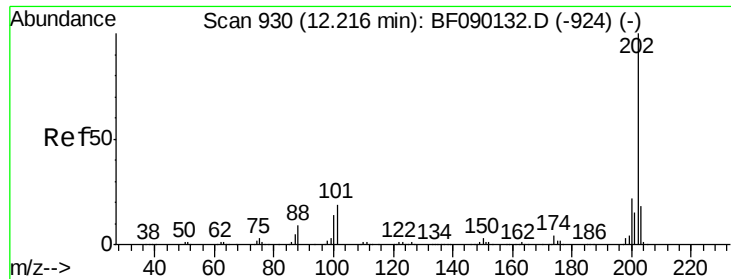


Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E





#74

Fluoranthene

Concen: 9.49 ng

RT: 12.19 min Scan# 928

Delta R.T. -0.01 min

Lab File: BF090193.D

Acq: 22 Sep 2016 18:09

Instrument :

BNA_F

ClientSampleId :

SS-2

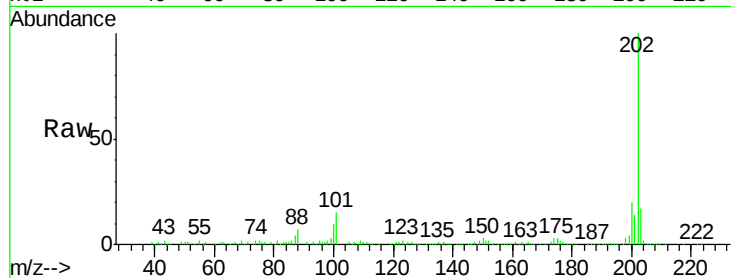
Tgt Ion: 202 Resp: 128500

Ion Ratio Lower Upper

202 100

101 14.7 0.0 36.1

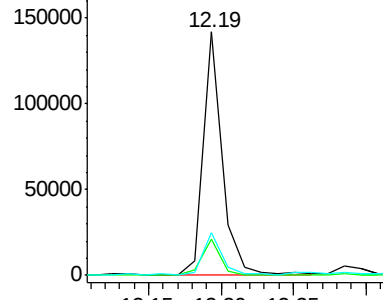
203 17.4 0.0 38.2



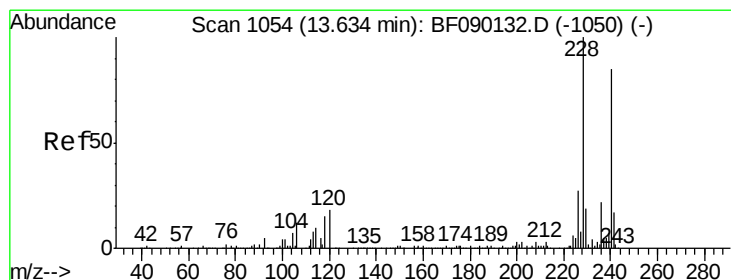
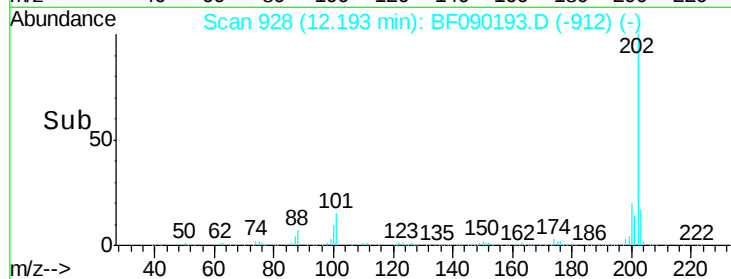
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E



Time-->



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.61 min Scan# 1052

Delta R.T. -0.00 min

Lab File: BF090193.D

Acq: 22 Sep 2016 18:09

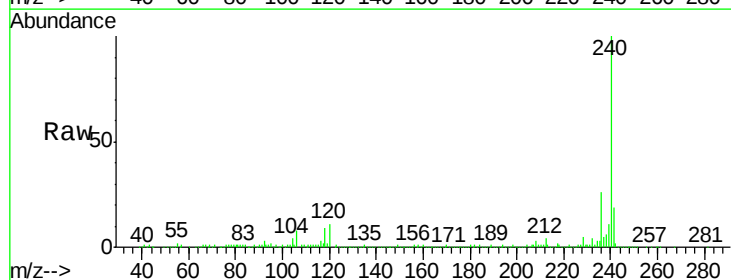
Tgt Ion: 240 Resp: 268530

Ion Ratio Lower Upper

240 100

120 11.3 10.6 16.0

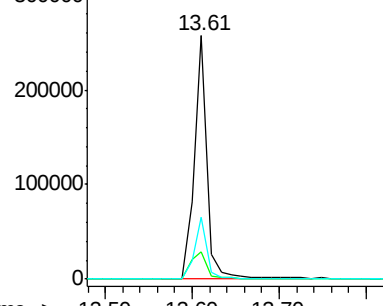
236 25.6 21.6 32.4



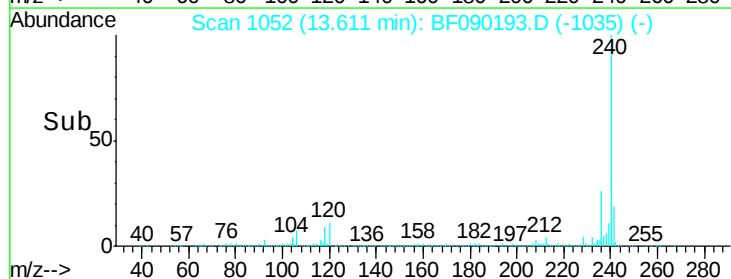
Abundance Ion 240.00 (239.70 to 240.70): E

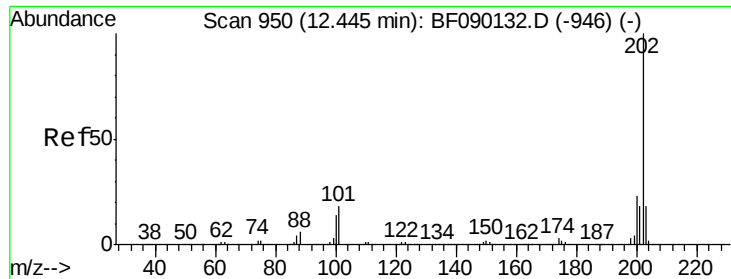
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time-->





#77

Pyrene

Concen: 5.83 ng

RT: 12.42 min Scan# 948

Delta R.T. -0.00 min

Lab File: BF090193.D

Acq: 22 Sep 2016 18:09

Instrument :

BNA_F

ClientSampleId :

SS-2

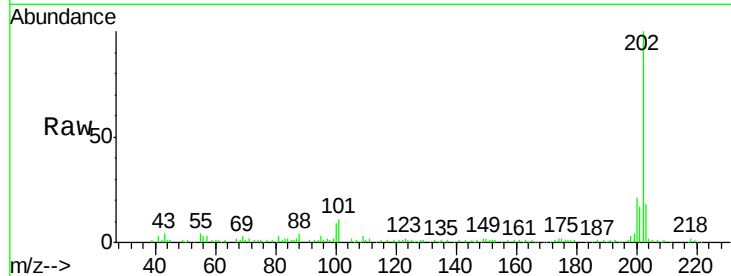
Tgt Ion: 202 Resp: 107139

Ion Ratio Lower Upper

202 100

200 20.7 17.9 26.9

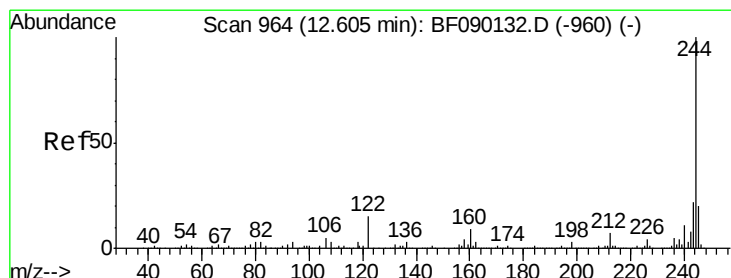
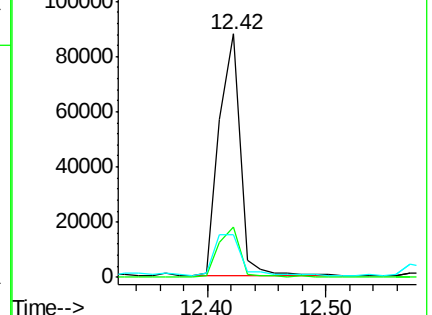
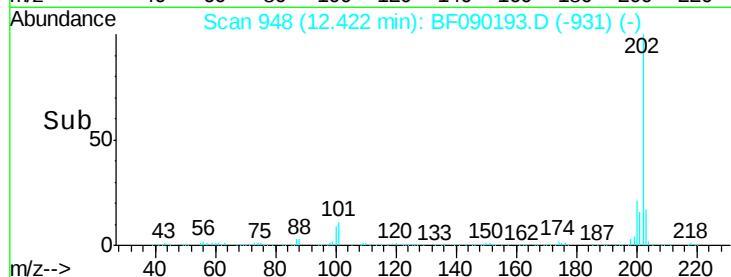
203 17.5 14.2 21.4



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: 10.76 ng

RT: 12.58 min Scan# 962

Delta R.T. -0.00 min

Lab File: BF090193.D

Acq: 22 Sep 2016 18:09

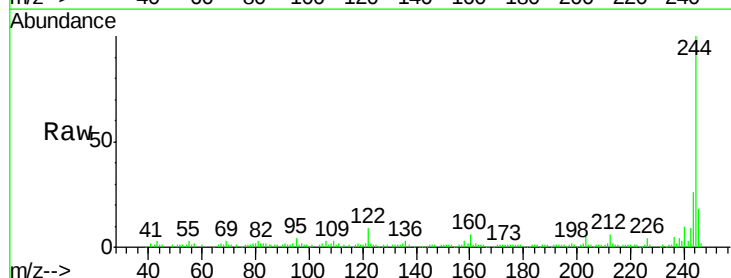
Tgt Ion: 244 Resp: 113799

Ion Ratio Lower Upper

244 100

212 6.3 5.8 8.8

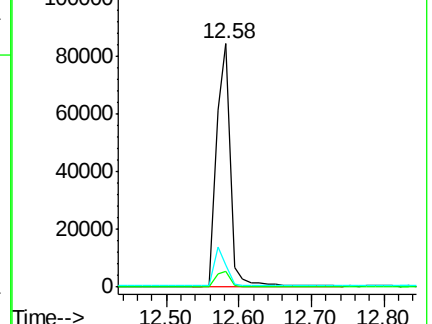
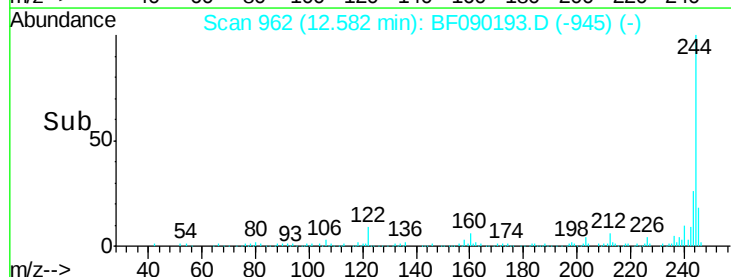
122 9.3 9.4 14.0#

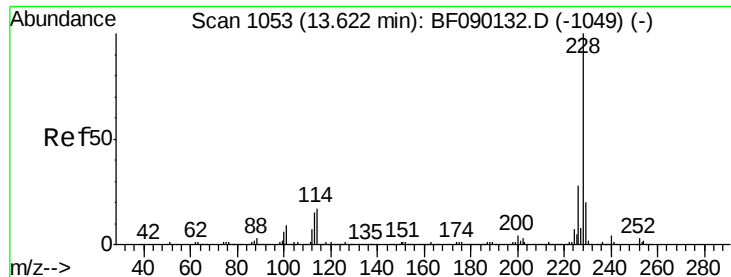


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 3.55 ng m

RT: 13.60 min Scan# 1051

Delta R.T. -0.00 min

Lab File: BF090193.D

Acq: 22 Sep 2016 18:09

Instrument :

BNA_F

ClientSampleId :

SS-2

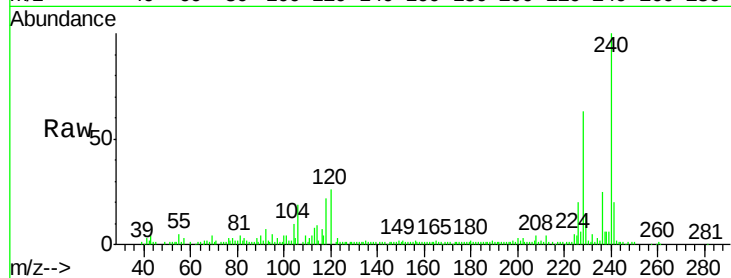
Tgt Ion:228 Resp: 51290

Ion Ratio Lower Upper

228 100

226 32.6 22.0 33.0

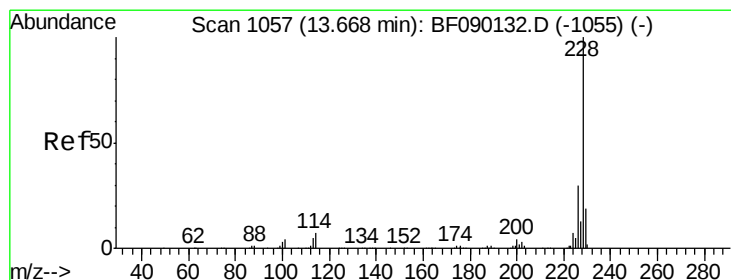
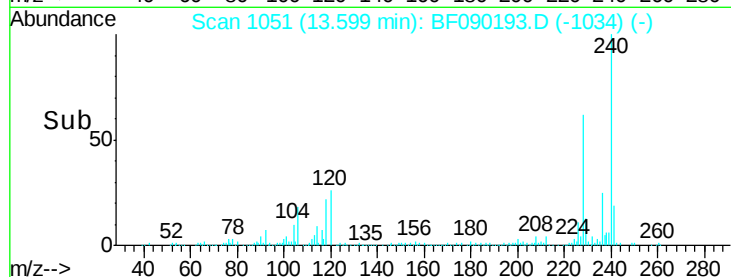
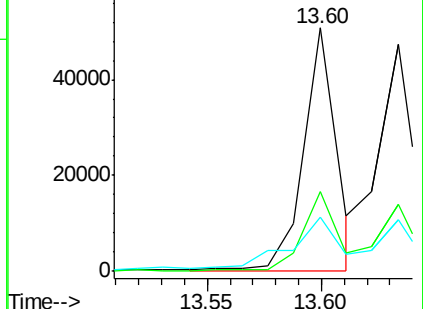
229 22.2 16.2 24.2



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: 3.87 ng m

RT: 13.63 min Scan# 1054

Delta R.T. -0.01 min

Lab File: BF090193.D

Acq: 22 Sep 2016 18:09

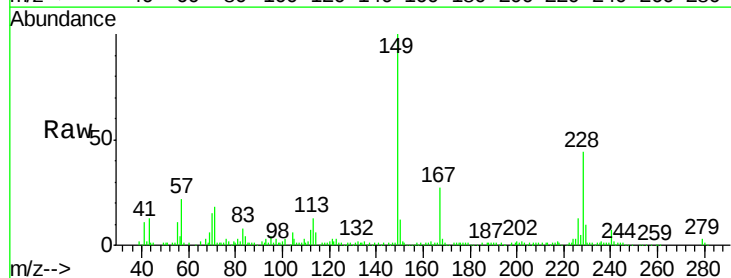
Tgt Ion:228 Resp: 54454

Ion Ratio Lower Upper

228 100

226 29.4 24.6 37.0

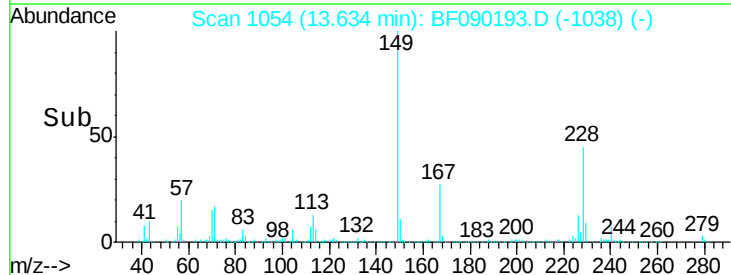
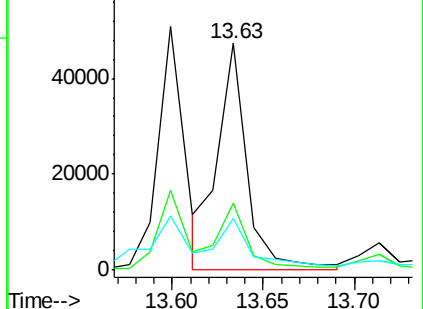
229 22.7 16.2 24.4

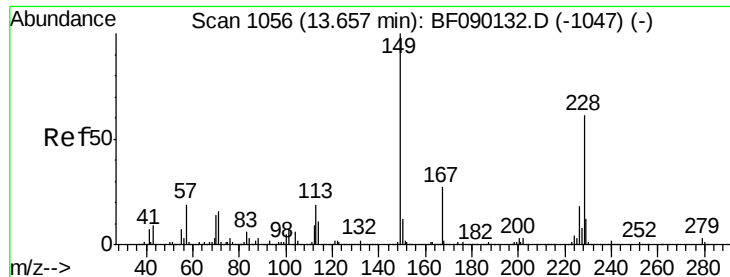


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

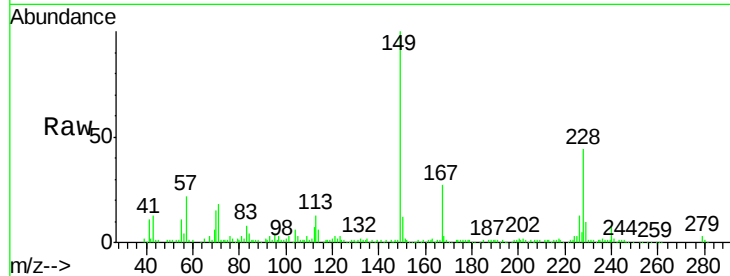




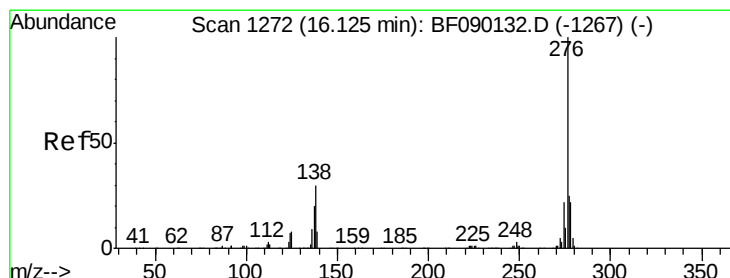
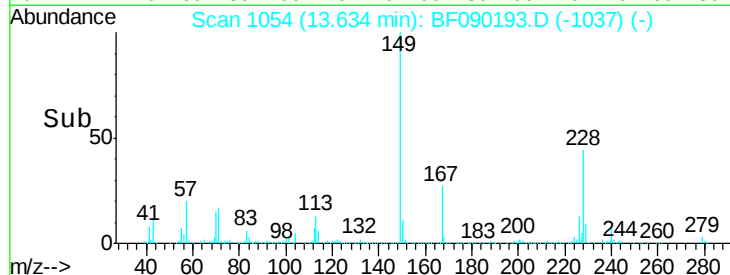
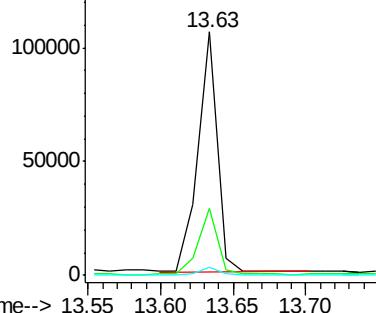
#83
 Bis(2-ethylhexyl)phthalate
 Concen: 8.53 ng
 RT: 13.63 min Scan# 1054
 Delta R.T. -0.00 min
 Lab File: BF090193.D
 Acq: 22 Sep 2016 18:09

Instrument :
 BNA_F
 ClientSampleId :
 SS-2

Tgt Ion:149 Resp: 98169
 Ion Ratio Lower Upper
 149 100
 167 27.3 21.2 31.8
 279 3.4 2.2 3.2#

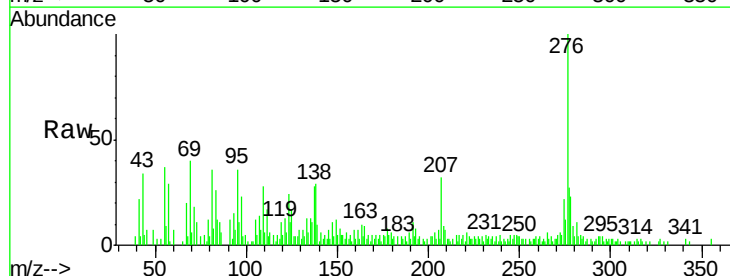


Abundance Ion 149.00 (148.70 to 149.70): E
 Ion 167.00 (166.70 to 167.70): E
 Ion 279.00 (278.70 to 279.70): E

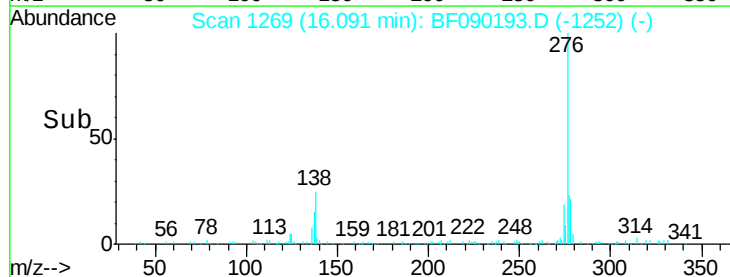
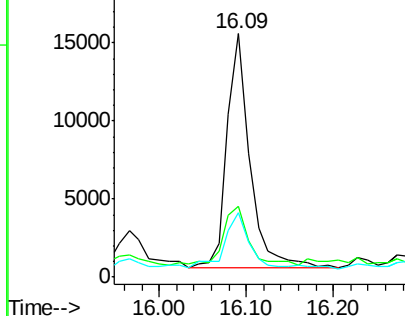


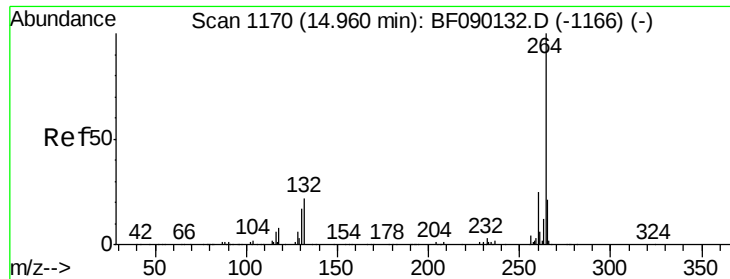
#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.40 ng
 RT: 16.09 min Scan# 1269
 Delta R.T. -0.00 min
 Lab File: BF090193.D
 Acq: 22 Sep 2016 18:09

Tgt Ion:276 Resp: 27330
 Ion Ratio Lower Upper
 276 100
 138 27.5 25.9 38.9
 277 24.7 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

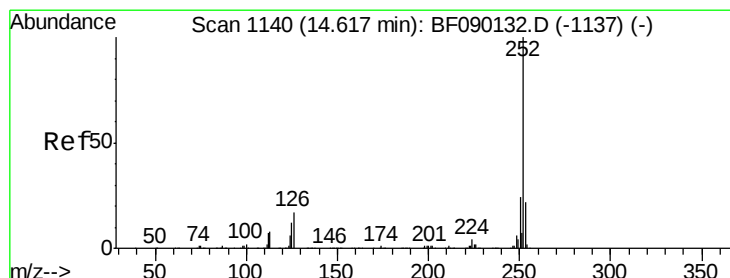
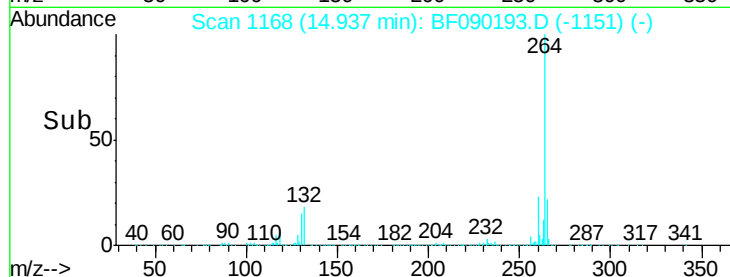
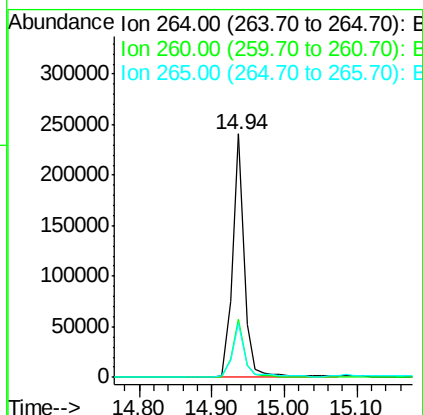
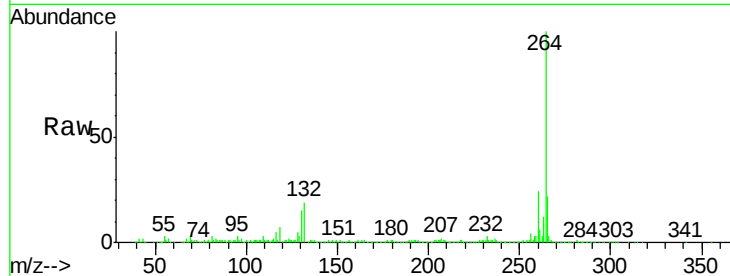




#86
Perylene-d12
Concen: 20.00 ng
RT: 14.94 min Scan# 1168
Delta R.T. -0.00 min
Lab File: BF090193.D
Acq: 22 Sep 2016 18:09

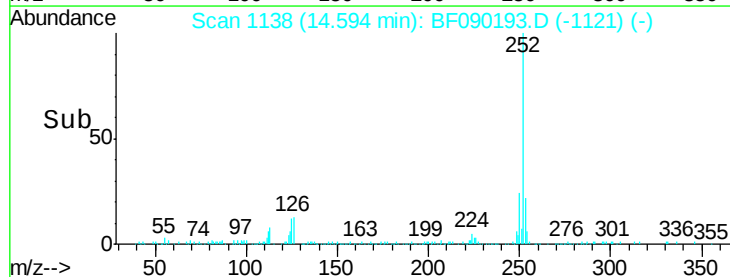
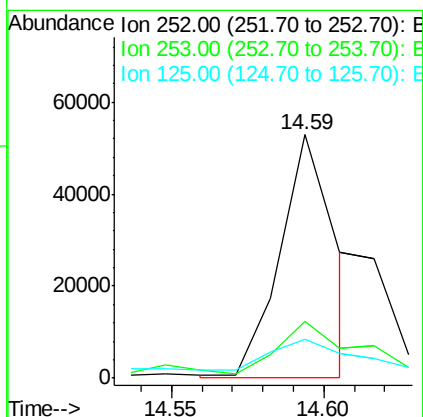
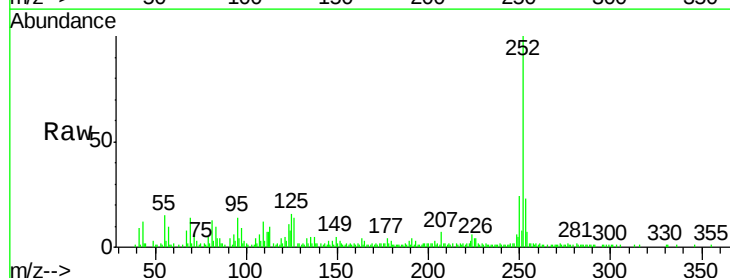
Instrument :
BNA_F
ClientSampleId :
SS-2

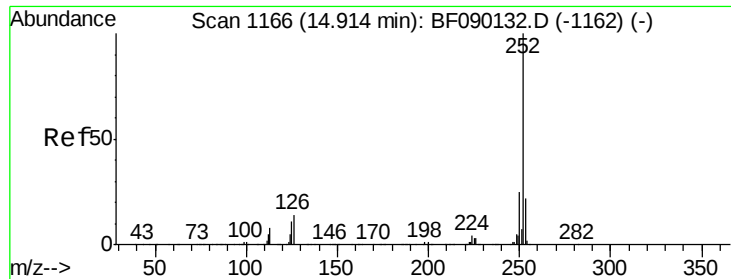
Tgt Ion: 264 Resp: 274570
Ion Ratio Lower Upper
264 100
260 23.8 19.5 29.3
265 22.1 17.0 25.4



#87
Benzo(b)fluoranthene
Concen: 4.43 ng m
RT: 14.59 min Scan# 1138
Delta R.T. -0.00 min
Lab File: BF090193.D
Acq: 22 Sep 2016 18:09

Tgt Ion: 252 Resp: 67330
Ion Ratio Lower Upper
252 100
253 23.0 17.9 26.9
125 15.8 12.7 19.1

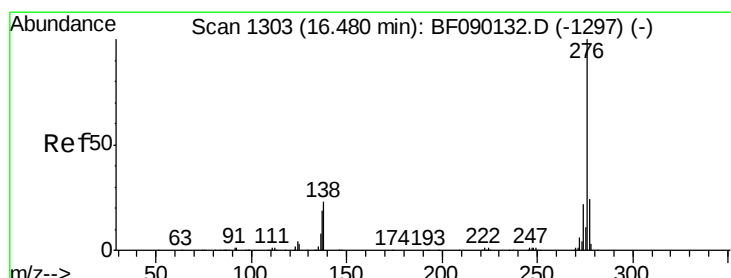
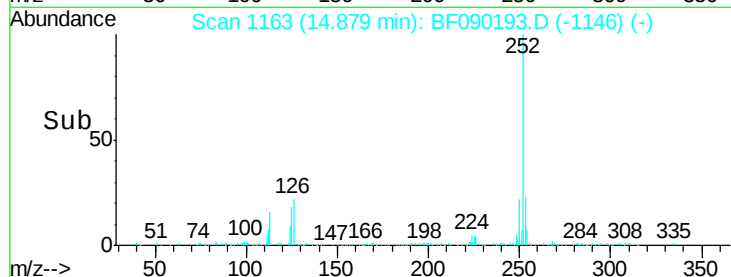
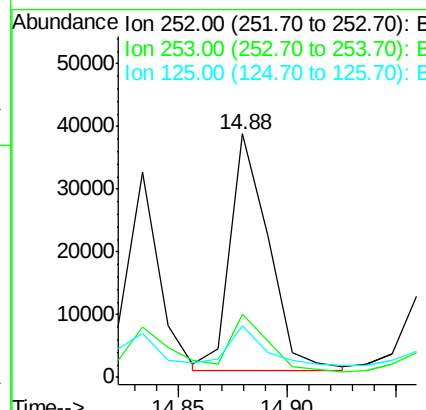
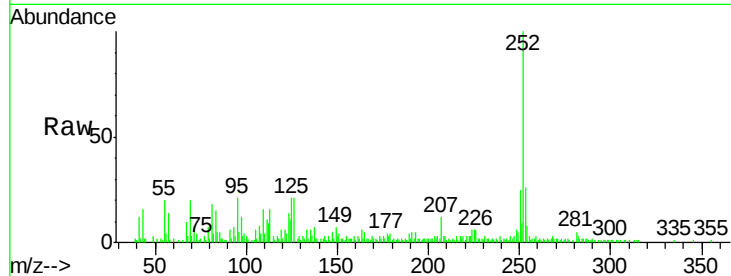




#89
Benzo(a)pyrene
Concen: 3.22 ng
RT: 14.88 min Scan# 1163
Delta R.T. -0.00 min
Lab File: BF090193.D
Acq: 22 Sep 2016 18:09

Instrument :
BNA_F
ClientSampled :
SS-2

Tgt Ion: 252 Resp: 45998
Ion Ratio Lower Upper
252 100
253 25.8 17.4 26.0
125 21.0 7.7 11.5#



#91
Benzo(g,h,i)perylene
Concen: 2.22 ng
RT: 16.43 min Scan# 1299
Delta R.T. -0.00 min
Lab File: BF090193.D
Acq: 22 Sep 2016 18:09

Tgt Ion: 276 Resp: 24205
Ion Ratio Lower Upper
276 100
277 26.9 18.9 28.3
138 27.8 23.3 34.9

