

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF092916\
 Data File : BF090306.D
 Acq On : 30 Sep 2016 00:42
 Operator : UM/SJ
 Sample : H5015-02
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-2

Quant Time: Sep 30 01:27:39 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

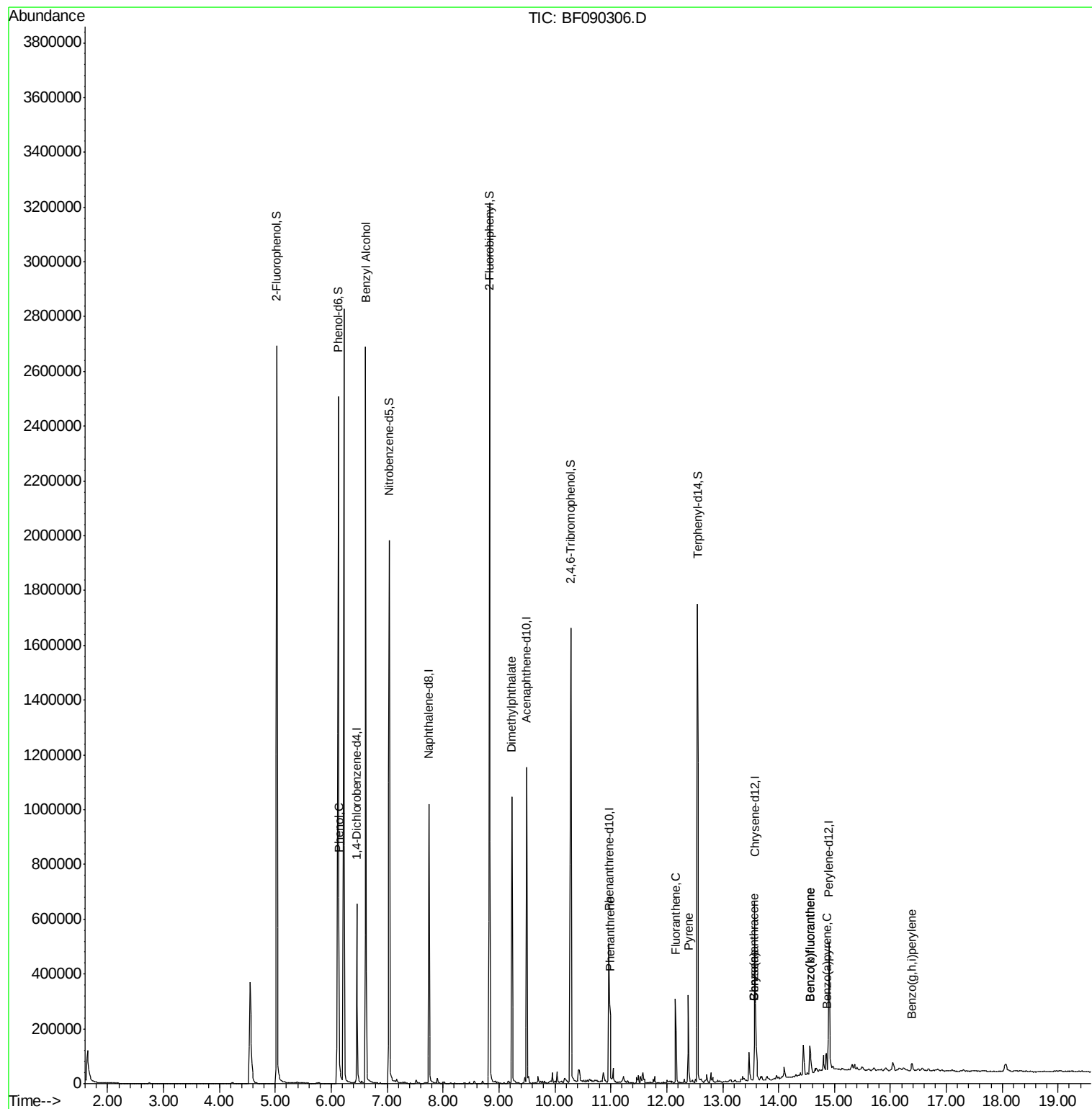
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.46	152	122941	20.00	ng	-0.02
21) Naphthalene-d8	7.75	136	472735	20.00	ng	-0.02
38) Acenaphthene-d10	9.50	164	237382	20.00	ng	-0.01
63) Phenanthrene-d10	10.97	188	279176	20.00	ng	-0.01
75) Chrysene-d12	13.58	240	230850	20.00	ng	-0.02
86) Perylene-d12	14.90	264	183215	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.03	112	1033227	136.99	ng	0.00
7) Phenol-d6	6.12	99	1307422	140.36	ng	-0.01
23) Nitrobenzene-d5	7.04	82	888349	108.93	ng	-0.02
41) 2,4,6-Tribromophenol	10.28	330	241729	118.70	ng	-0.01
44) 2-Fluorobiphenyl	8.83	172	1161869	96.09	ng	-0.02
78) Terphenyl-d14	12.55	244	748111	82.28	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.14	94	31282	2.84	ng	86
15) Benzyl Alcohol	6.62	79	12573	2.26	ng	# 48
49) Dimethylphthalate	9.23	163	467829	30.94	ng	99
70) Phenanthrene	10.99	178	152008	11.64	ng	98
74) Fluoranthene	12.16	202	160077	11.42	ng	96
77) Pyrene	12.39	202	130542	8.26	ng	98
80) Benzo(a)anthracene	13.57	228	48440	3.90	ng	98
82) Chrysene	13.57	228	48440	4.00	ng	96
87) Benzo(b)fluoranthene	14.56	252	68925	6.79	ng	99
88) Benzo(k)fluoranthene	14.56	252	68925	7.24	ng	# 95
89) Benzo(a)pyrene	14.86	252	34213	3.58	ng	97
91) Benzo(g,h,i)perylene	16.39	276	18563	2.55	ng	96

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.46 min Scan# 426

Delta R.T. -0.02 min

Lab File: BF090306.D

Acq: 30 Sep 2016 00:42

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-2

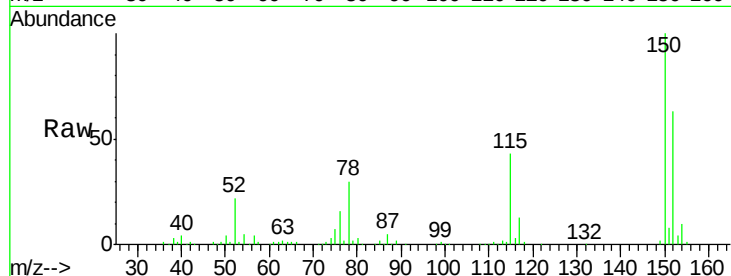
Tgt Ion:152 Resp: 122941

Ion Ratio Lower Upper

152 100

150 159.0 128.9 193.3

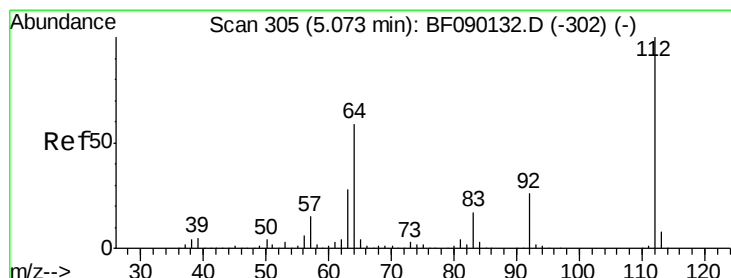
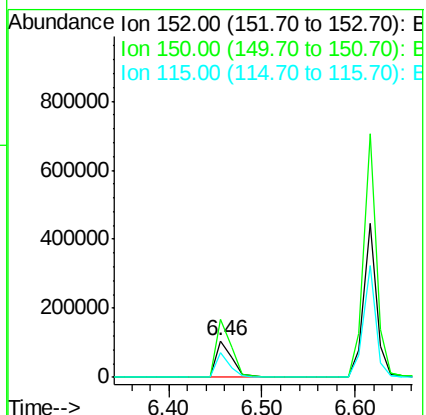
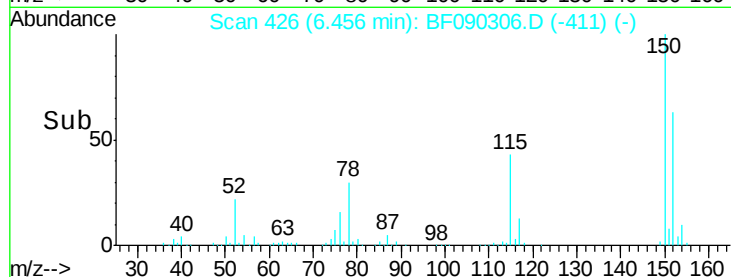
115 68.9 55.5 83.3



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: 136.99 ng

RT: 5.03 min Scan# 301

Delta R.T. -0.00 min

Lab File: BF090306.D

Acq: 30 Sep 2016 00:42

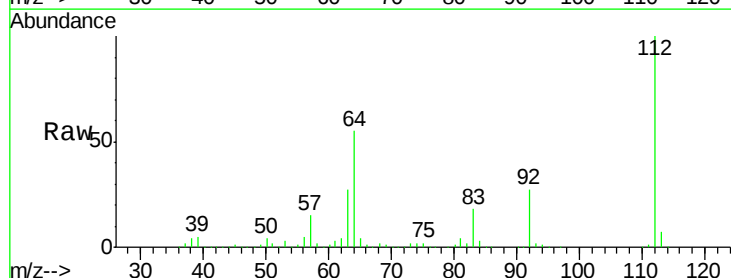
Tgt Ion:112 Resp: 1033227

Ion Ratio Lower Upper

112 100

64 55.4 39.8 59.6

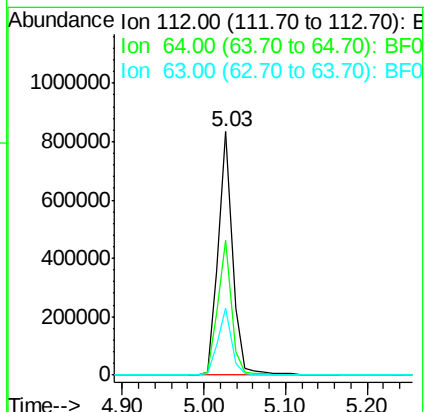
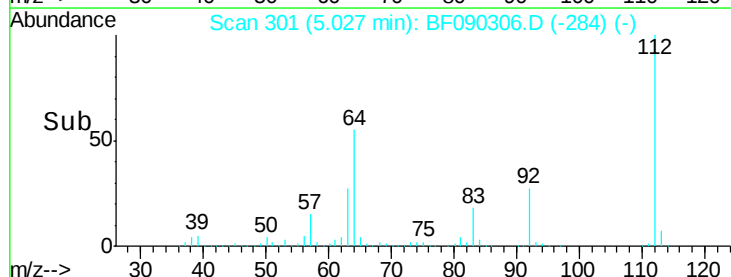
63 27.4 18.9 28.3



Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 140.36 ng

RT: 6.12 min Scan# 397

Delta R.T. -0.01 min

Lab File: BF090306.D

Acq: 30 Sep 2016 00:42

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-2

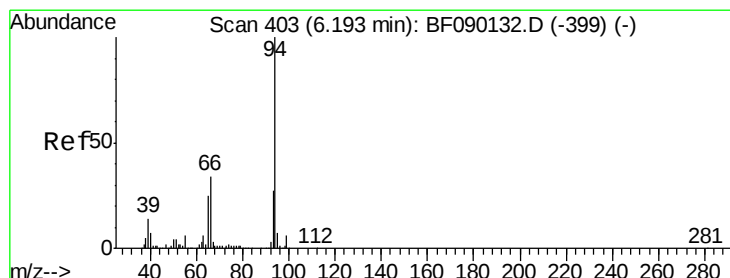
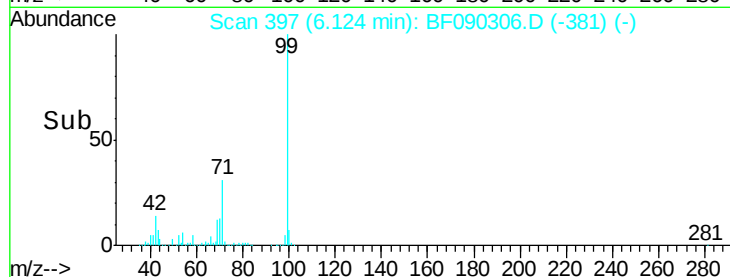
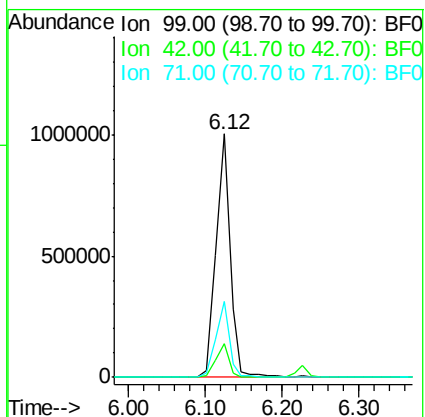
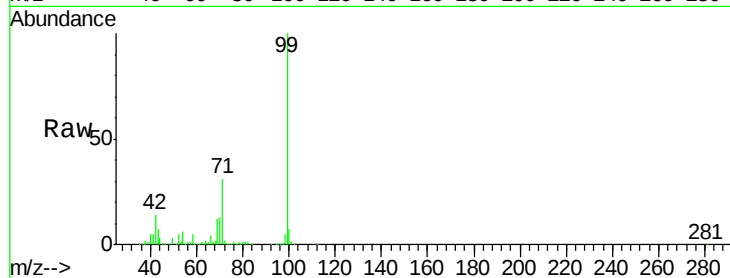
Tgt Ion: 99 Resp: 1307422

Ion Ratio Lower Upper

99 100

42 13.7 10.6 15.8

71 31.3 23.0 34.6



#10

Phenol

Concen: 2.84 ng

RT: 6.14 min Scan# 398

Delta R.T. -0.01 min

Lab File: BF090306.D

Acq: 30 Sep 2016 00:42

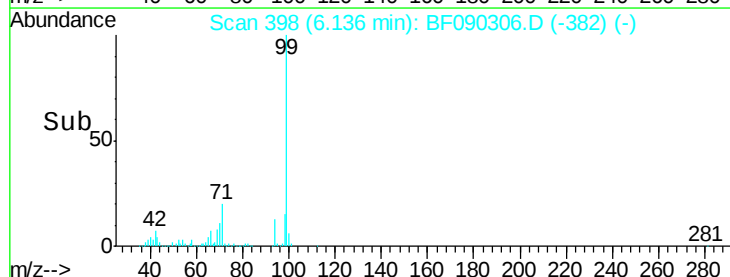
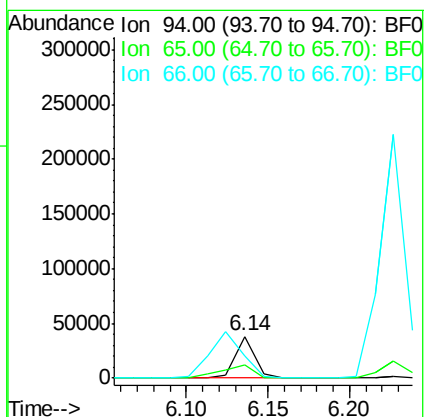
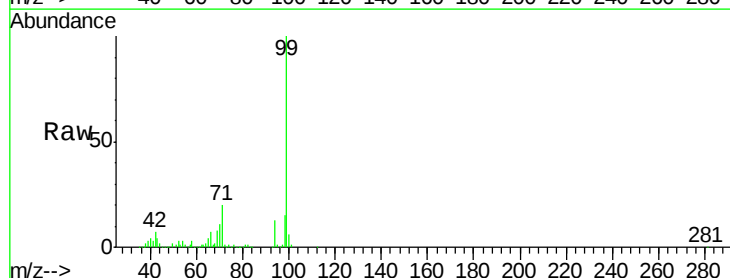
Tgt Ion: 94 Resp: 31282

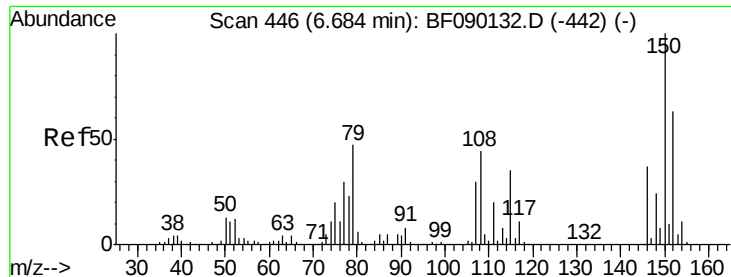
Ion Ratio Lower Upper

94 100

65 31.2 20.6 60.6

66 54.7 45.1 85.1

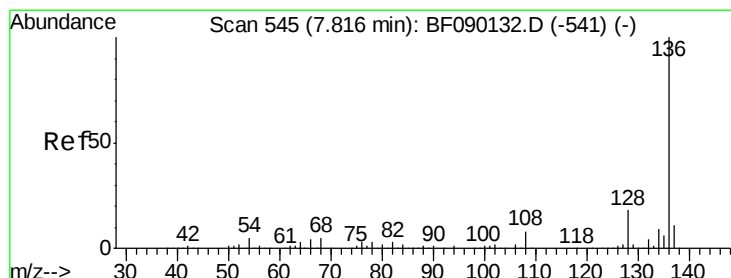
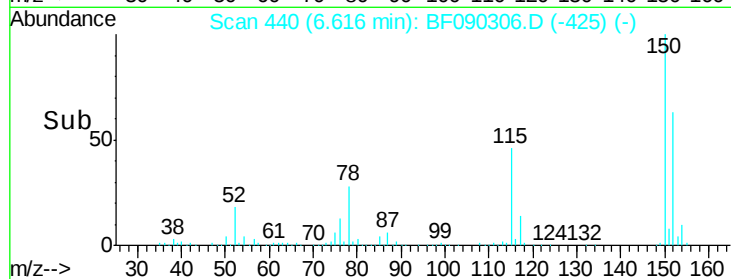
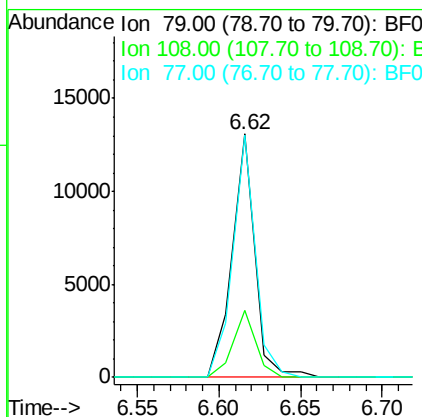
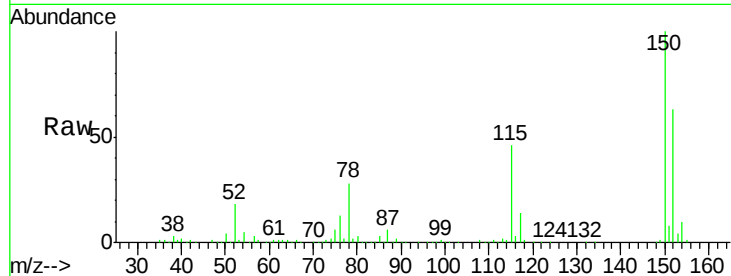




#15
Benzyl Alcohol
Concen: 2.26 ng
RT: 6.62 min Scan# 440
Delta R.T. -0.02 min
Lab File: BF090306.D
Acq: 30 Sep 2016 00:42

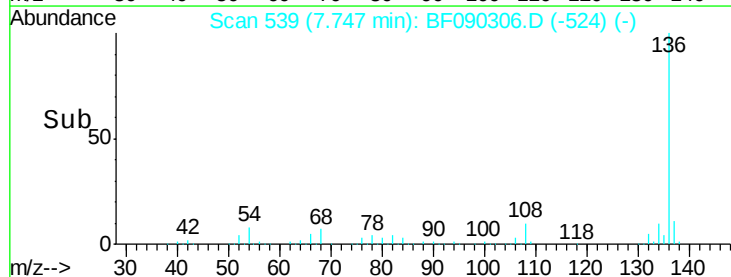
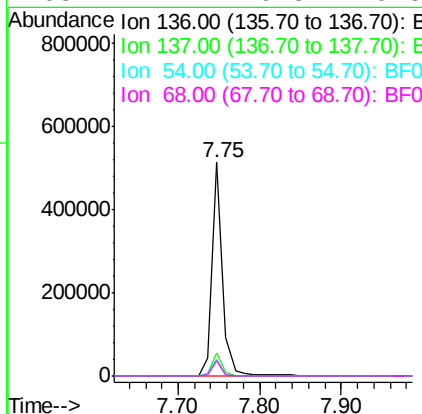
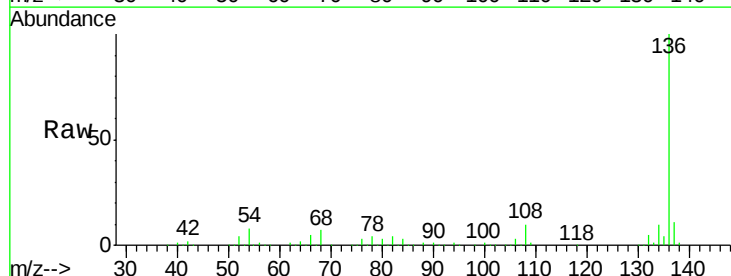
Instrument :
BNA_F
ClientSampleId :
COMPOSITE-2

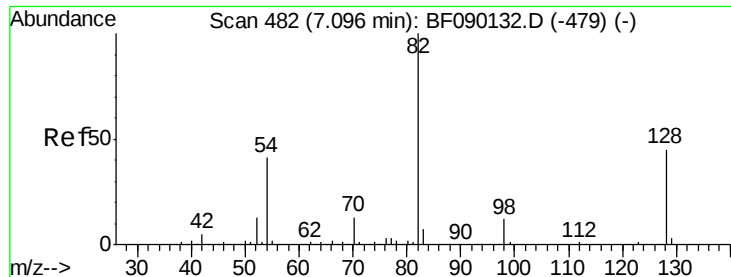
Tgt Ion: 79 Resp: 12573
Ion Ratio Lower Upper
79 100
108 27.3 62.2 93.4#
77 99.4 51.4 77.0#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.75 min Scan# 539
Delta R.T. -0.02 min
Lab File: BF090306.D
Acq: 30 Sep 2016 00:42

Tgt Ion: 136 Resp: 472735
Ion Ratio Lower Upper
136 100
137 10.9 9.0 13.4
54 7.5 6.4 9.6
68 7.2 6.3 9.5

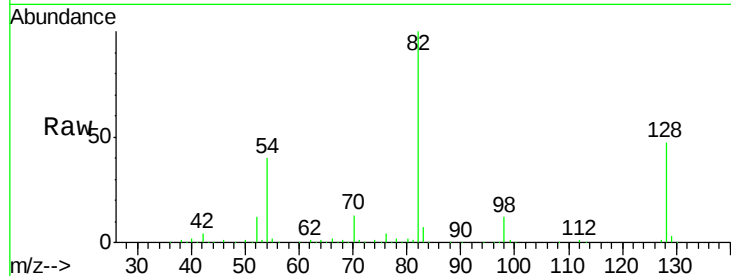




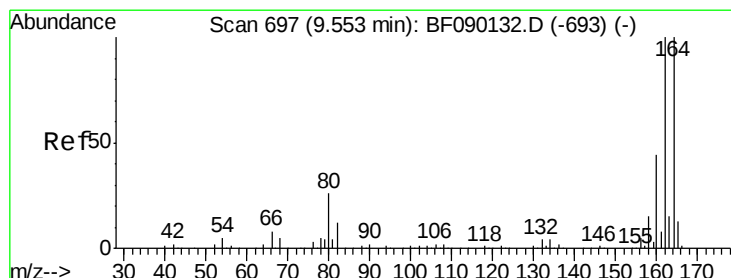
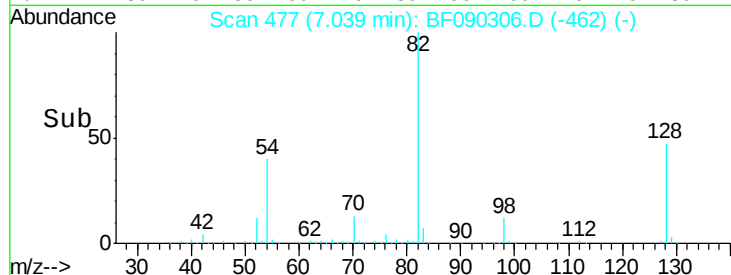
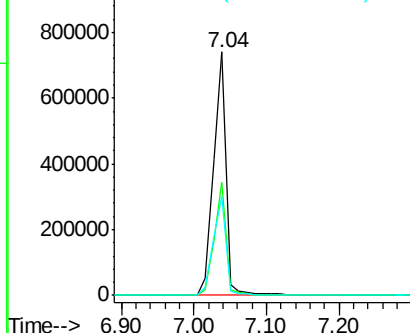
#23
 Nitrobenzene-d5
 Concen: 108.93 ng
 RT: 7.04 min Scan# 477
 Delta R.T. -0.02 min
 Lab File: BF090306.D
 Acq: 30 Sep 2016 00:42

Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-2

Tgt Ion: 82 Resp: 888349
 Ion Ratio Lower Upper
 82 100
 128 46.7 37.5 56.3
 54 40.4 31.9 47.9

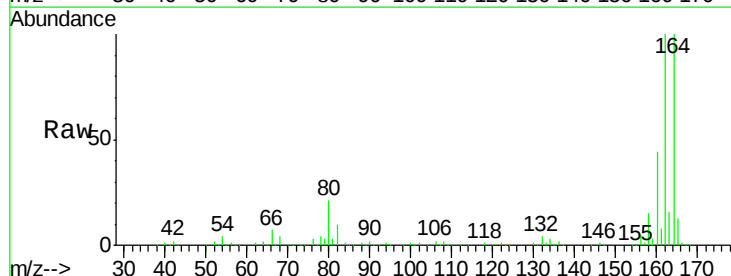


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

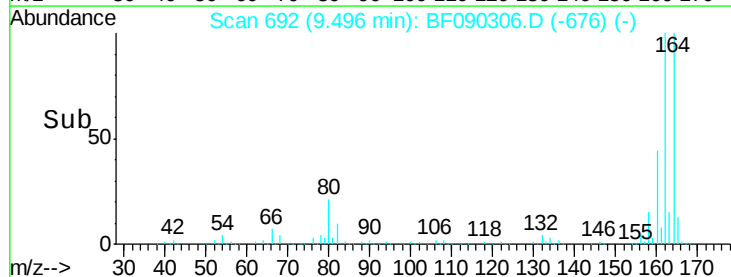
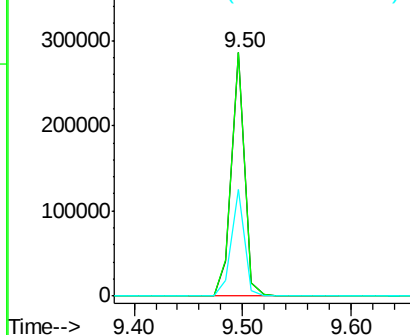


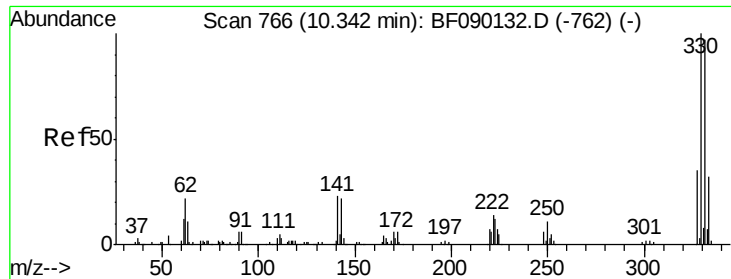
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.50 min Scan# 692
 Delta R.T. -0.01 min
 Lab File: BF090306.D
 Acq: 30 Sep 2016 00:42

Tgt Ion: 164 Resp: 237382
 Ion Ratio Lower Upper
 164 100
 162 100.2 81.4 122.2
 160 43.9 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

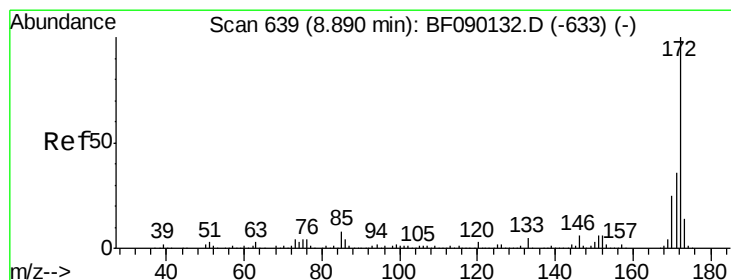
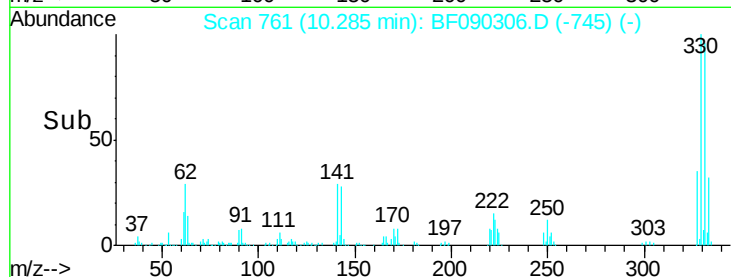
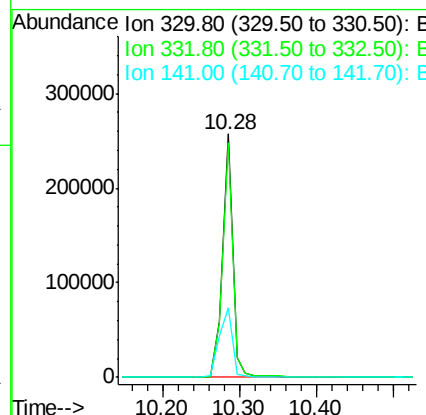
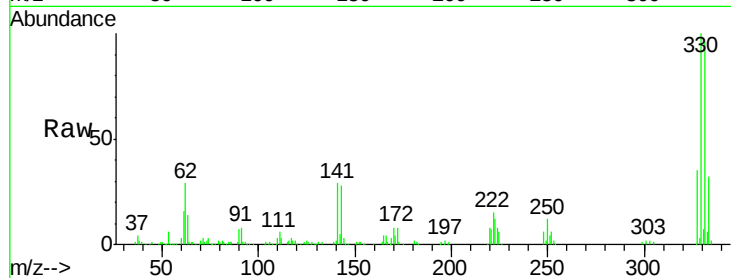




#41
 2,4,6-Tribromophenol
 Concen: 118.70 ng
 RT: 10.28 min Scan# 761
 Delta R.T. -0.01 min
 Lab File: BF090306.D
 Acq: 30 Sep 2016 00:42

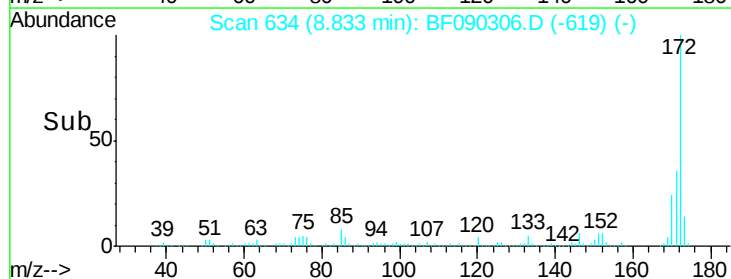
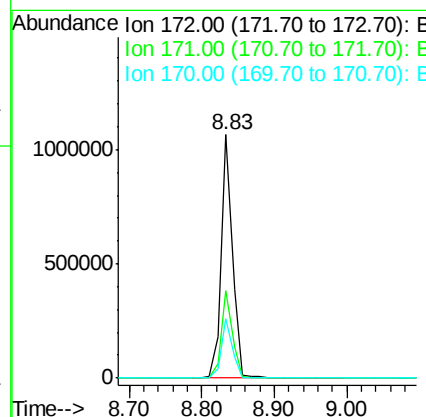
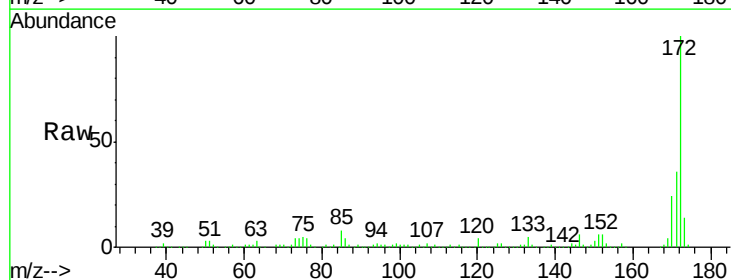
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-2

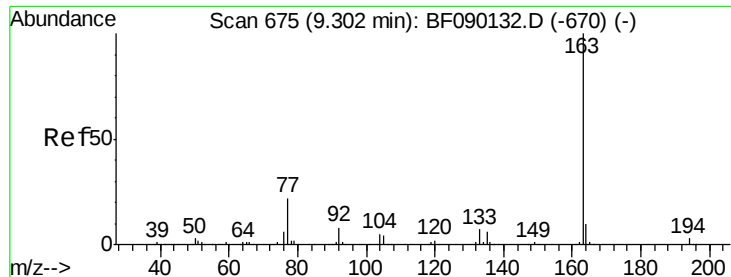
Tgt Ion:330 Resp: 241729
 Ion Ratio Lower Upper
 330 100
 332 96.8 78.1 117.1
 141 36.0 23.9 35.9#



#44
 2-Fluorobiphenyl
 Concen: 96.09 ng
 RT: 8.83 min Scan# 634
 Delta R.T. -0.02 min
 Lab File: BF090306.D
 Acq: 30 Sep 2016 00:42

Tgt Ion:172 Resp: 1161869
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.2 43.8
 170 24.2 19.8 29.8





#49

Dimethylphthalate

Concen: 30.94 ng

RT: 9.23 min Scan# 669

Delta R.T. -0.03 min

Lab File: BF090306.D

Acq: 30 Sep 2016 00:42

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-2

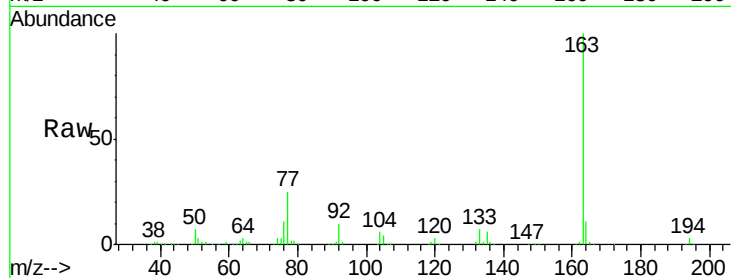
Tgt Ion:163 Resp: 467829

Ion Ratio Lower Upper

163 100

194 2.9 2.8 4.2

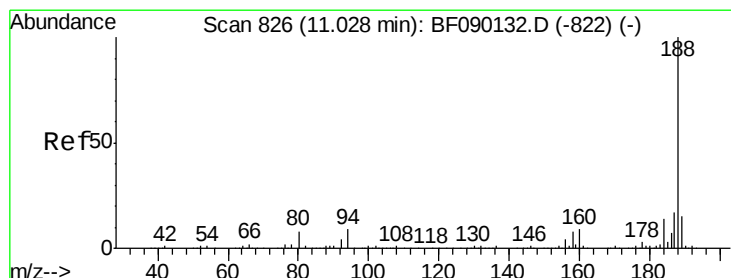
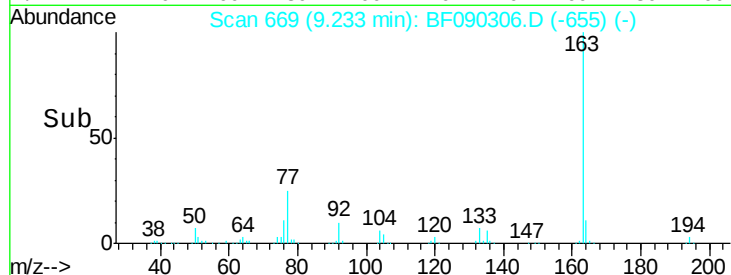
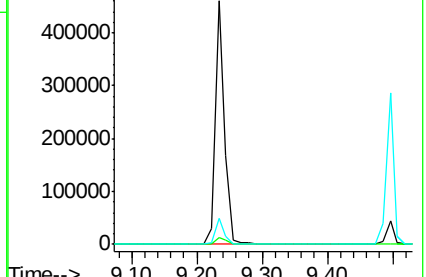
164 10.6 8.1 12.1



Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 10.97 min Scan# 821

Delta R.T. -0.01 min

Lab File: BF090306.D

Acq: 30 Sep 2016 00:42

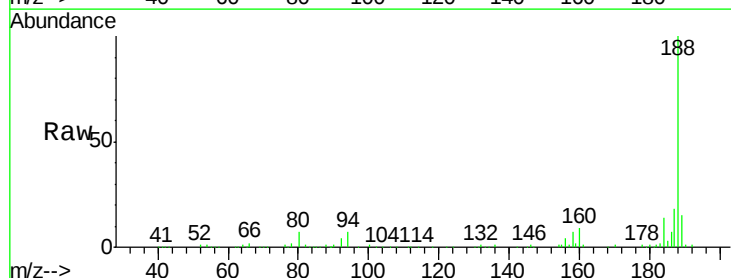
Tgt Ion:188 Resp: 279176

Ion Ratio Lower Upper

188 100

94 7.4 10.5 15.7#

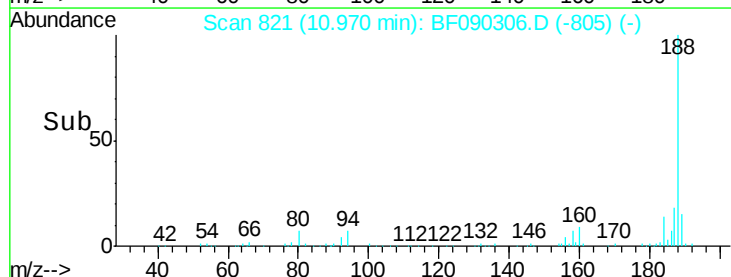
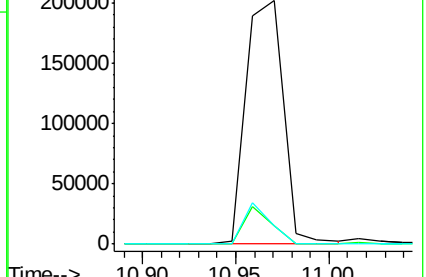
80 7.3 11.2 16.8#

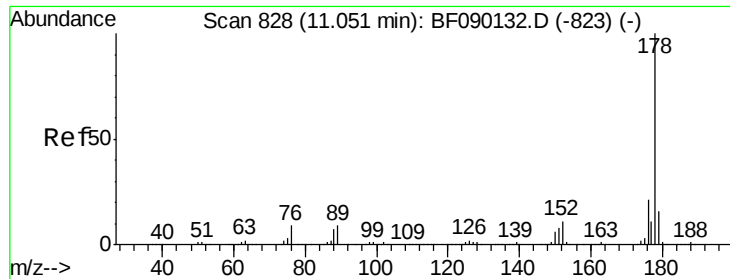


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

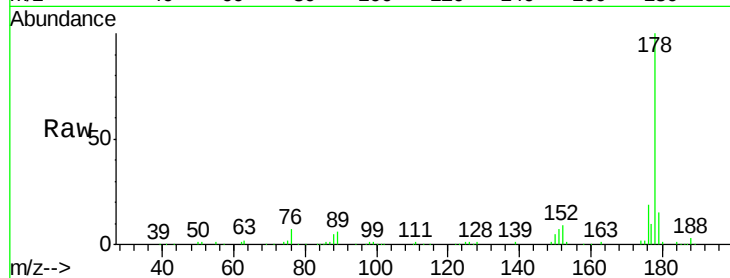




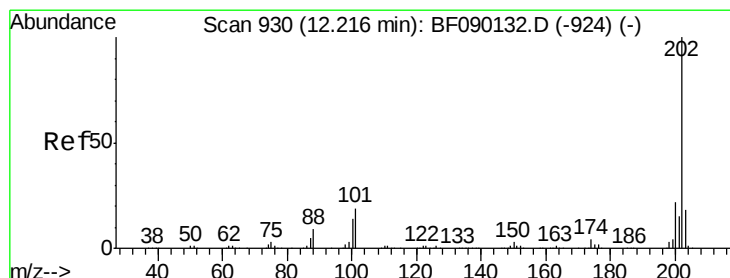
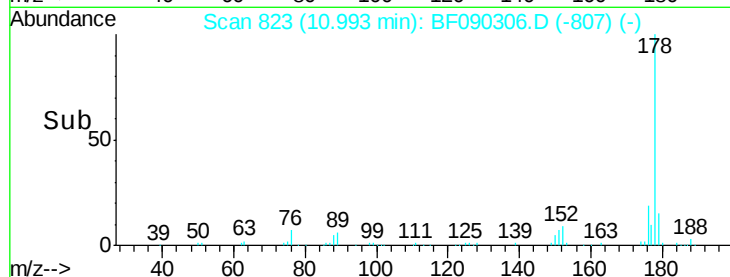
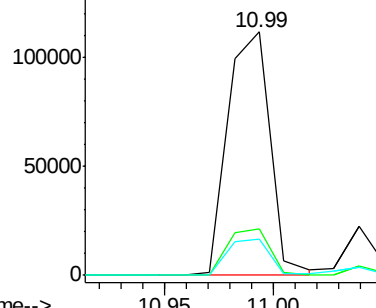
#70
Phenanthrene
Concen: 11.64 ng
RT: 10.99 min Scan# 823
Delta R.T. -0.01 min
Lab File: BF090306.D
Acq: 30 Sep 2016 00:42

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-2

Tgt Ion:178 Resp: 152008
Ion Ratio Lower Upper
178 100
176 18.9 15.9 23.9
179 15.1 12.9 19.3

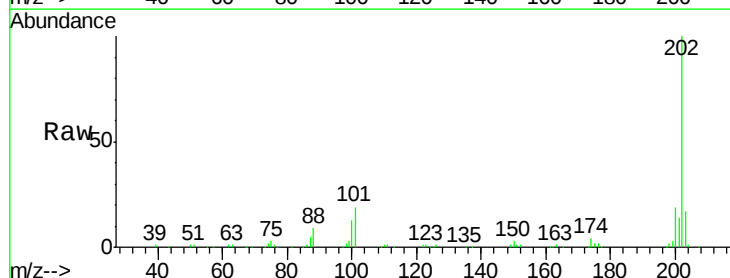


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

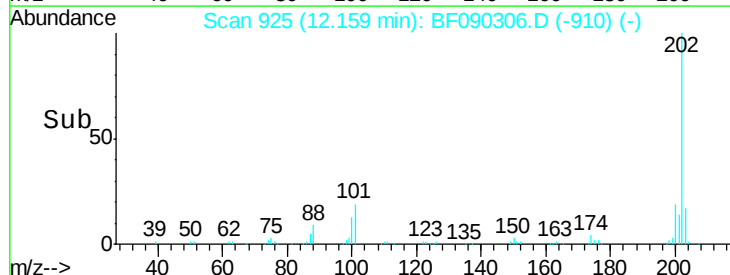
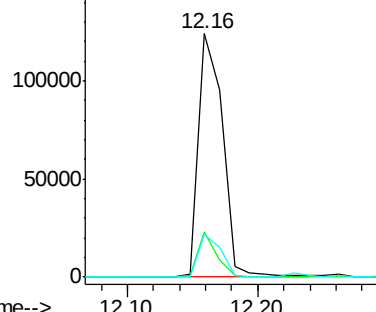


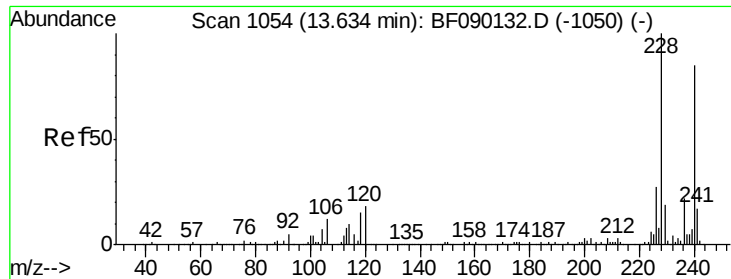
#74
Fluoranthene
Concen: 11.42 ng
RT: 12.16 min Scan# 925
Delta R.T. -0.02 min
Lab File: BF090306.D
Acq: 30 Sep 2016 00:42

Tgt Ion:202 Resp: 160077
Ion Ratio Lower Upper
202 100
101 18.8 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





#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.58 min Scan# 1049

Delta R.T. -0.02 min

Lab File: BF090306.D

Acq: 30 Sep 2016 00:42

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-2

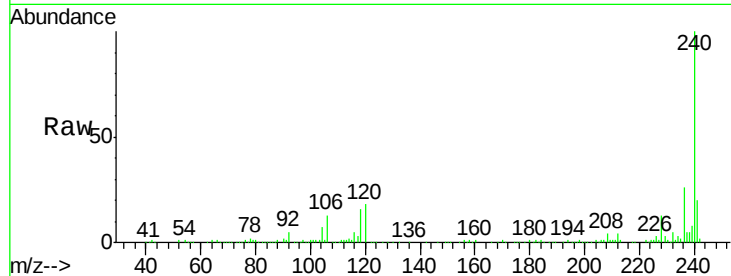
Tgt Ion:240 Resp: 230850

Ion Ratio Lower Upper

240 100

120 17.5 10.6 16.0#

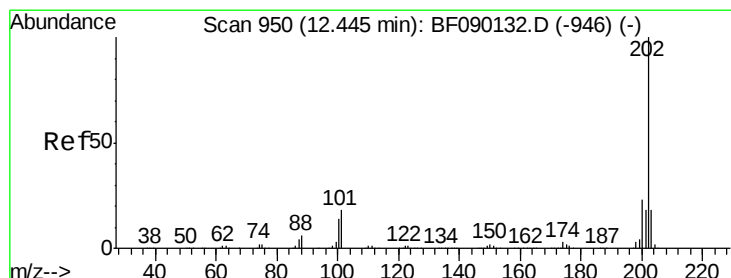
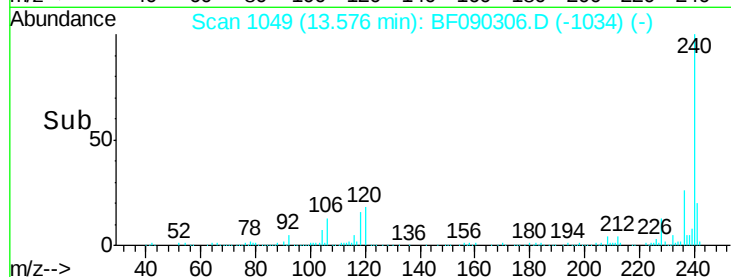
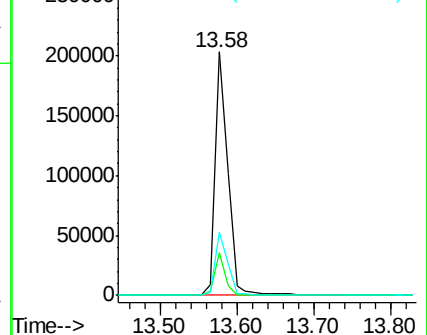
236 25.8 21.6 32.4



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: 8.26 ng

RT: 12.39 min Scan# 945

Delta R.T. -0.01 min

Lab File: BF090306.D

Acq: 30 Sep 2016 00:42

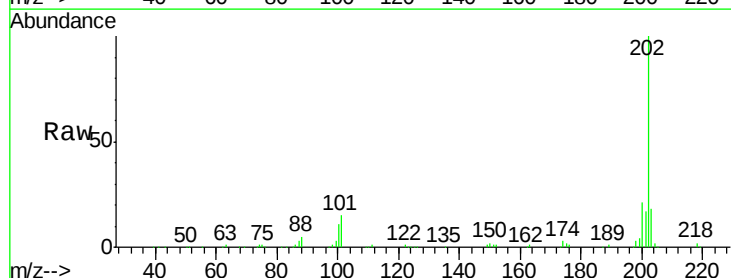
Tgt Ion:202 Resp: 130542

Ion Ratio Lower Upper

202 100

200 20.8 17.9 26.9

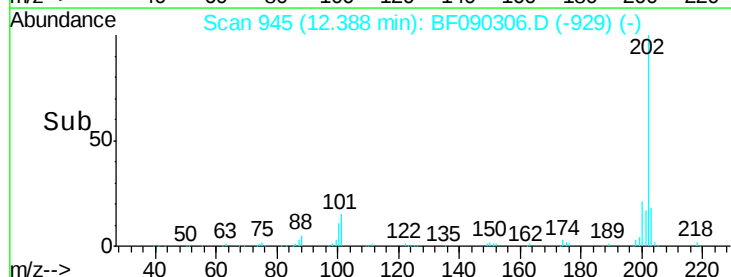
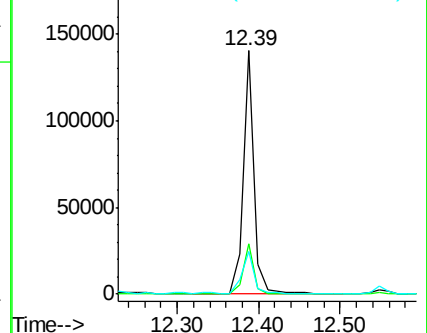
203 17.6 14.2 21.4

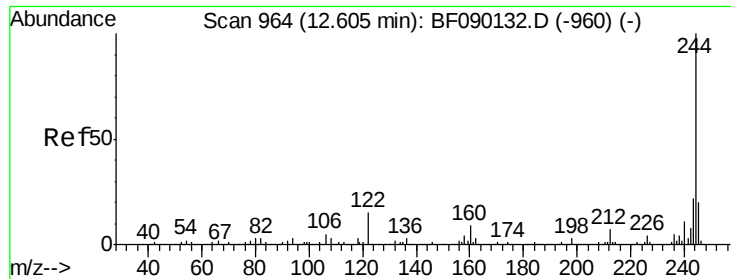


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

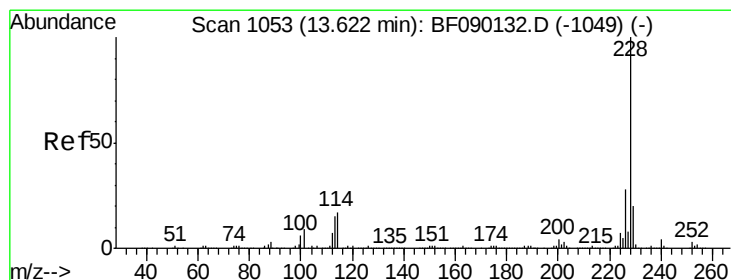
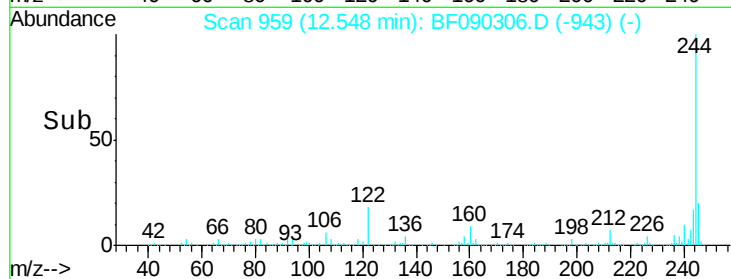
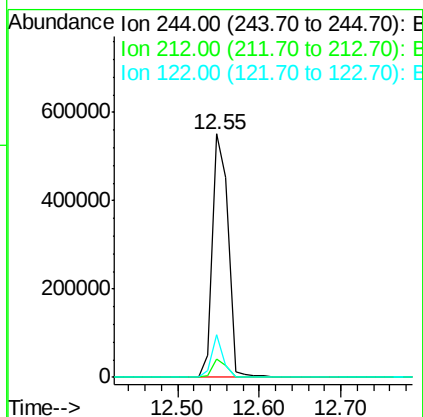
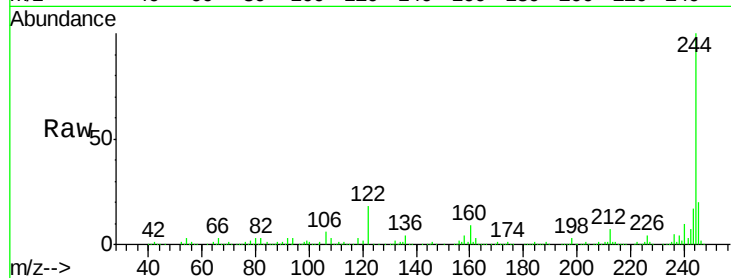




#78
 Terphenyl-d14
 Concen: 82.28 ng
 RT: 12.55 min Scan# 959
 Delta R.T. -0.01 min
 Lab File: BF090306.D
 Acq: 30 Sep 2016 00:42

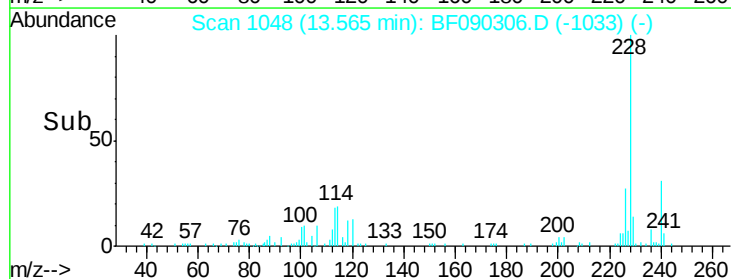
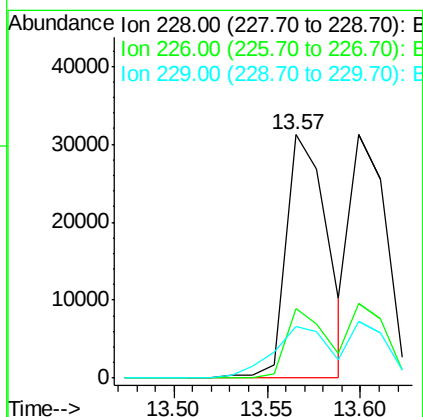
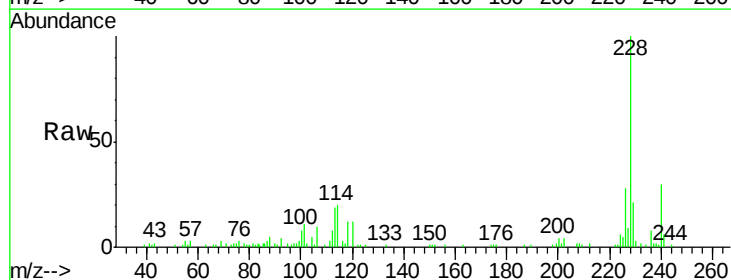
Instrument :
 BNA_F
 ClientSampleId :
 COMPOSITE-2

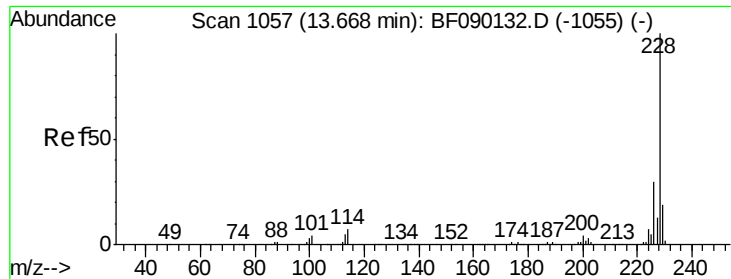
Tgt Ion:244 Resp: 748111
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.8
 122 17.6 9.4 14.0#



#80
 Benzo(a)anthracene
 Concen: 3.90 ng
 RT: 13.57 min Scan# 1048
 Delta R.T. -0.02 min
 Lab File: BF090306.D
 Acq: 30 Sep 2016 00:42

Tgt Ion:228 Resp: 48440
 Ion Ratio Lower Upper
 228 100
 226 28.4 22.0 33.0
 229 21.4 16.2 24.2





#82

Chrysene

Concen: 4.00 ng

RT: 13.57 min Scan# 1048

Delta R.T. -0.06 min

Lab File: BF090306.D

Acq: 30 Sep 2016 00:42

Instrument :

BNA_F

ClientSampleId :

COMPOSITE-2

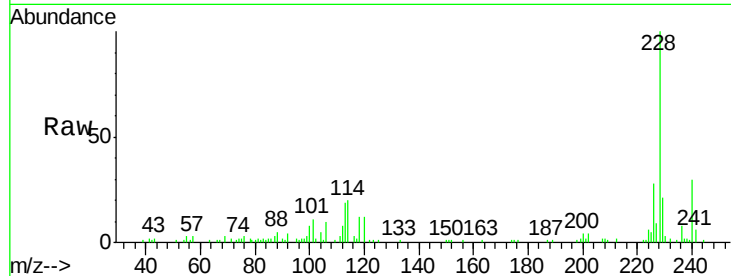
Tgt Ion:228 Resp: 48440

Ion Ratio Lower Upper

228 100

226 28.4 24.6 37.0

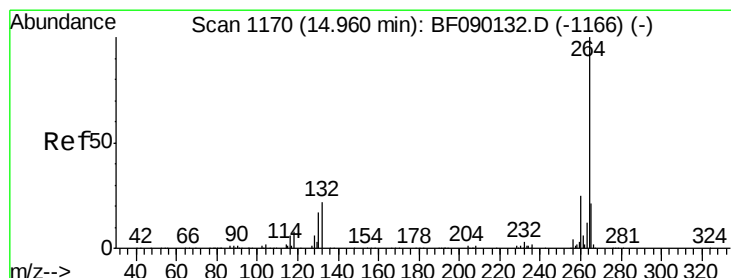
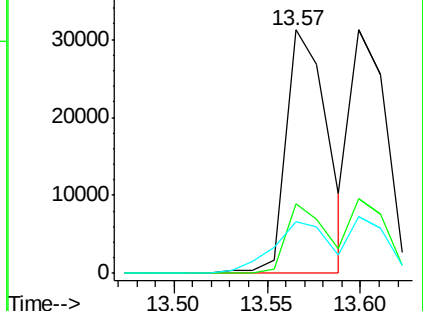
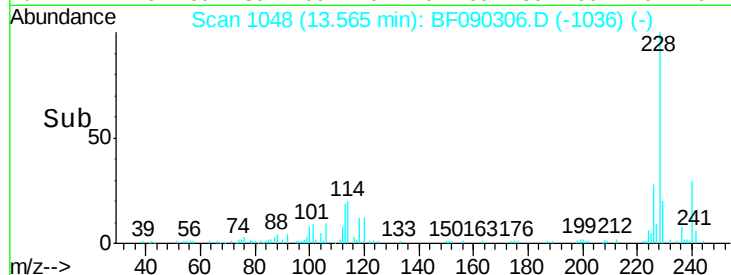
229 21.4 16.2 24.4



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: 14.90 min Scan# 1165

Delta R.T. -0.01 min

Lab File: BF090306.D

Acq: 30 Sep 2016 00:42

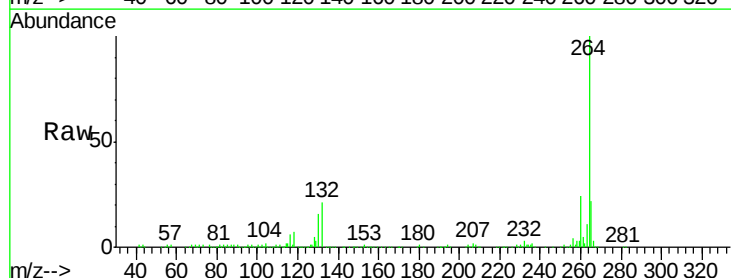
Tgt Ion:264 Resp: 183215

Ion Ratio Lower Upper

264 100

260 23.9 19.5 29.3

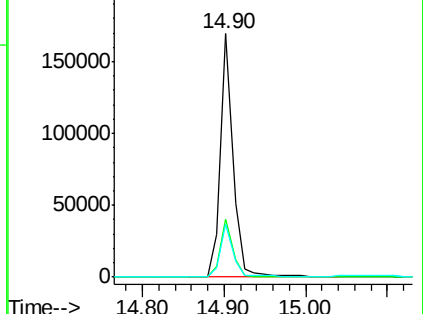
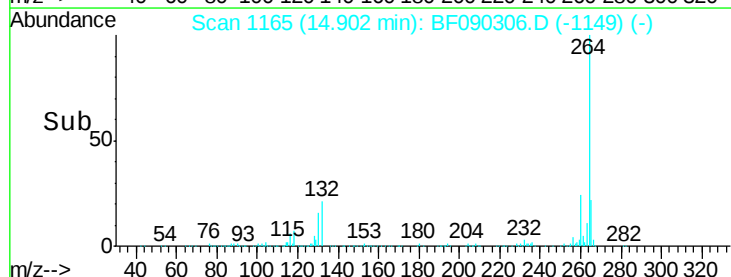
265 21.7 17.0 25.4

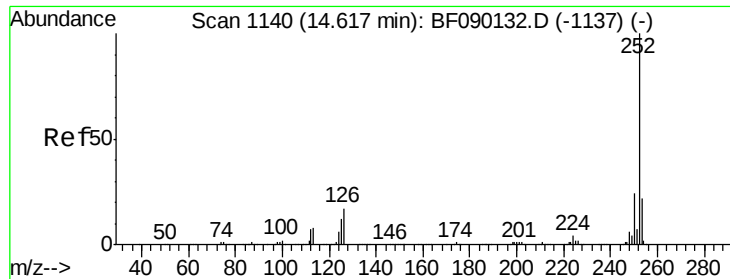


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

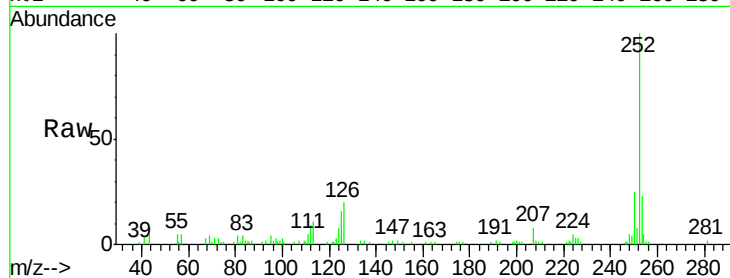




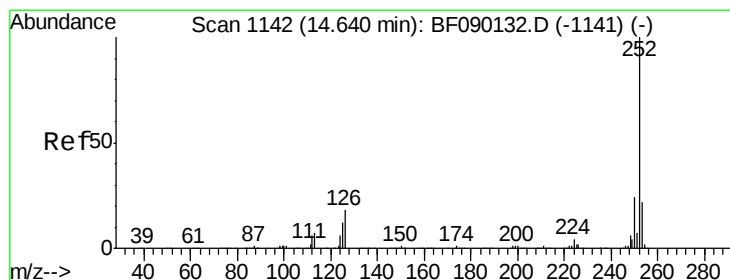
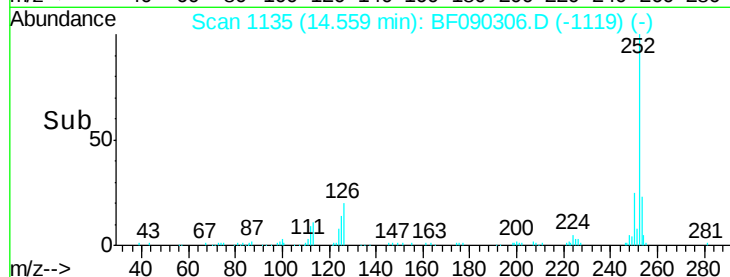
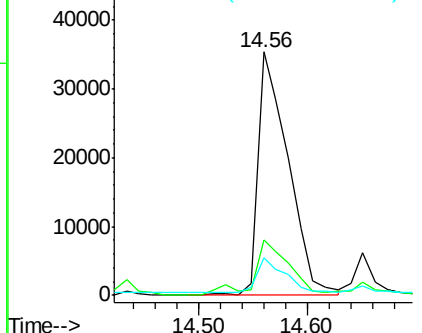
#87
Benzo(b)fluoranthene
Concen: 6.79 ng
RT: 14.56 min Scan# 1135
Delta R.T. -0.01 min
Lab File: BF090306.D
Acq: 30 Sep 2016 00:42

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-2

Tgt Ion:252 Resp: 68925
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 15.6 12.7 19.1

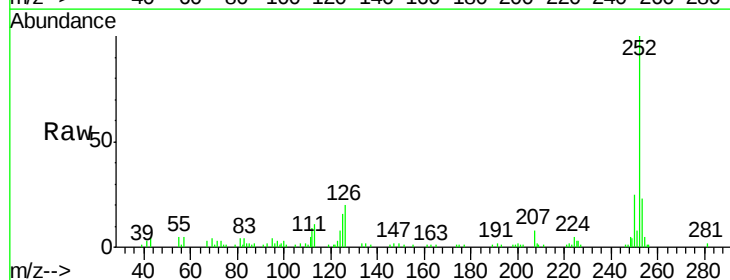


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

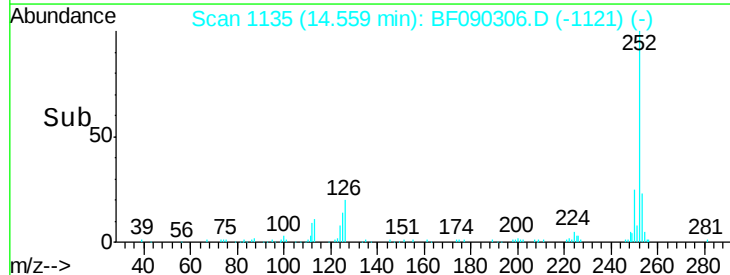
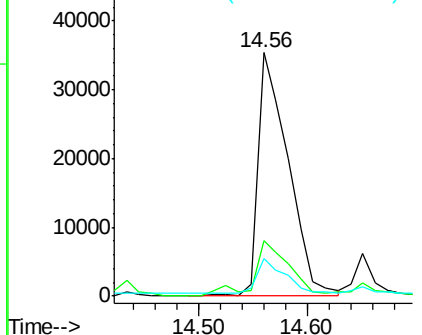


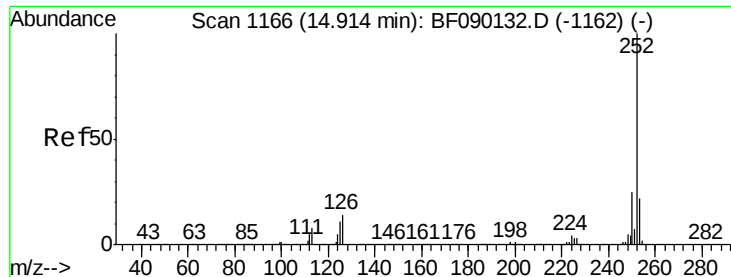
#88
Benzo(k)fluoranthene
Concen: 7.24 ng
RT: 14.56 min Scan# 1135
Delta R.T. -0.03 min
Lab File: BF090306.D
Acq: 30 Sep 2016 00:42

Tgt Ion:252 Resp: 68925
Ion Ratio Lower Upper
252 100
253 22.5 17.8 26.8
125 15.6 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

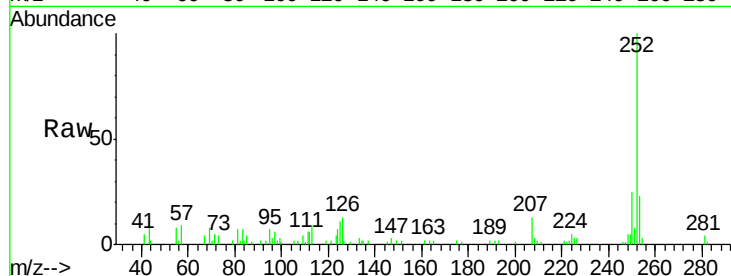




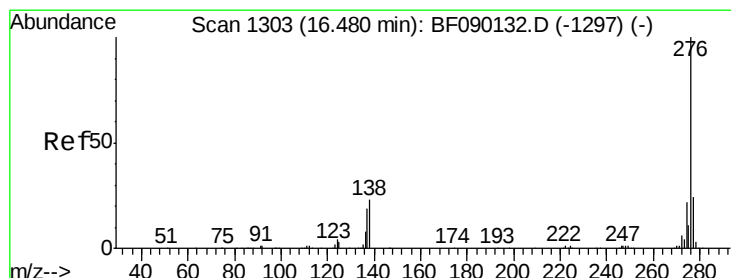
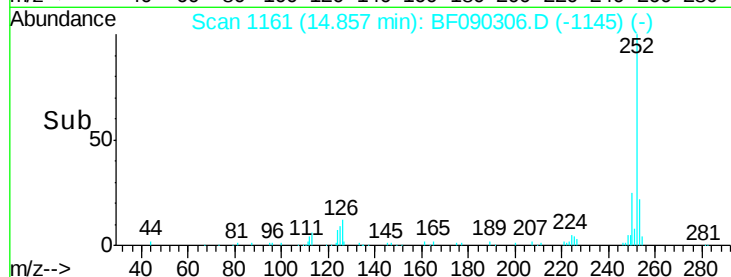
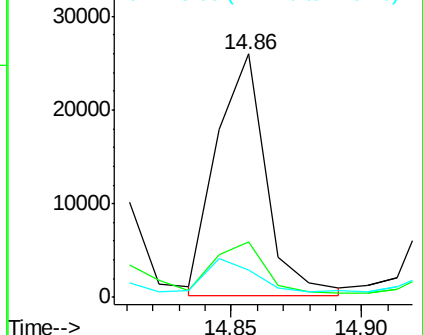
#89
Benzo(a)pyrene
Concen: 3.58 ng
RT: 14.86 min Scan# 1161
Delta R.T. -0.01 min
Lab File: BF090306.D
Acq: 30 Sep 2016 00:42

Instrument :
BNA_F
ClientSampleId :
COMPOSITE-2

Tgt Ion: 252 Resp: 34213
Ion Ratio Lower Upper
252 100
253 23.0 17.4 26.0
125 11.0 7.7 11.5

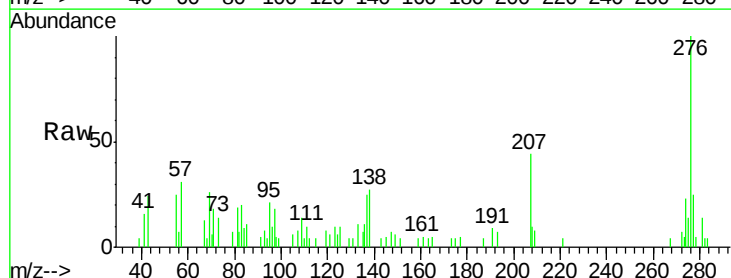


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E



#91
Benzo(g,h,i)perylene
Concen: 2.55 ng
RT: 16.39 min Scan# 1295
Delta R.T. -0.01 min
Lab File: BF090306.D
Acq: 30 Sep 2016 00:42

Tgt Ion: 276 Resp: 18563
Ion Ratio Lower Upper
276 100
277 24.9 18.9 28.3
138 26.5 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

