

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010917\
 Data File : BF092160.D
 Acq On : 10 Jan 2017 1:31
 Operator : UM/SJ
 Sample : I1045-05 2X
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAP-SP3

Quant Time: Jan 10 03:34:58 2017
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 06 15:43:51 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	136123	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	532373	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	288580	20.00	ng	0.00
63) Phenanthrene-d10	11.16	188	435969	20.00	ng	0.00
75) Chrysene-d12	13.80	240	204143	20.00	ng	0.01
86) Perylene-d12	15.18	264	153834	20.00	ng	0.03

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.25	112	287534	35.27	ng	0.01
7) Phenol-d6	6.31	99	352090	35.37	ng	0.00
23) Nitrobenzene-d5	7.20	82	157034	16.40	ng	-0.01
41) 2,4,6-Tribromophenol	10.47	330	60609	25.38	ng	0.00
44) 2-Fluorobiphenyl	9.01	172	376091	16.27	ng	0.00
78) Terphenyl-d14	12.75	244	238585	28.34	ng	0.00

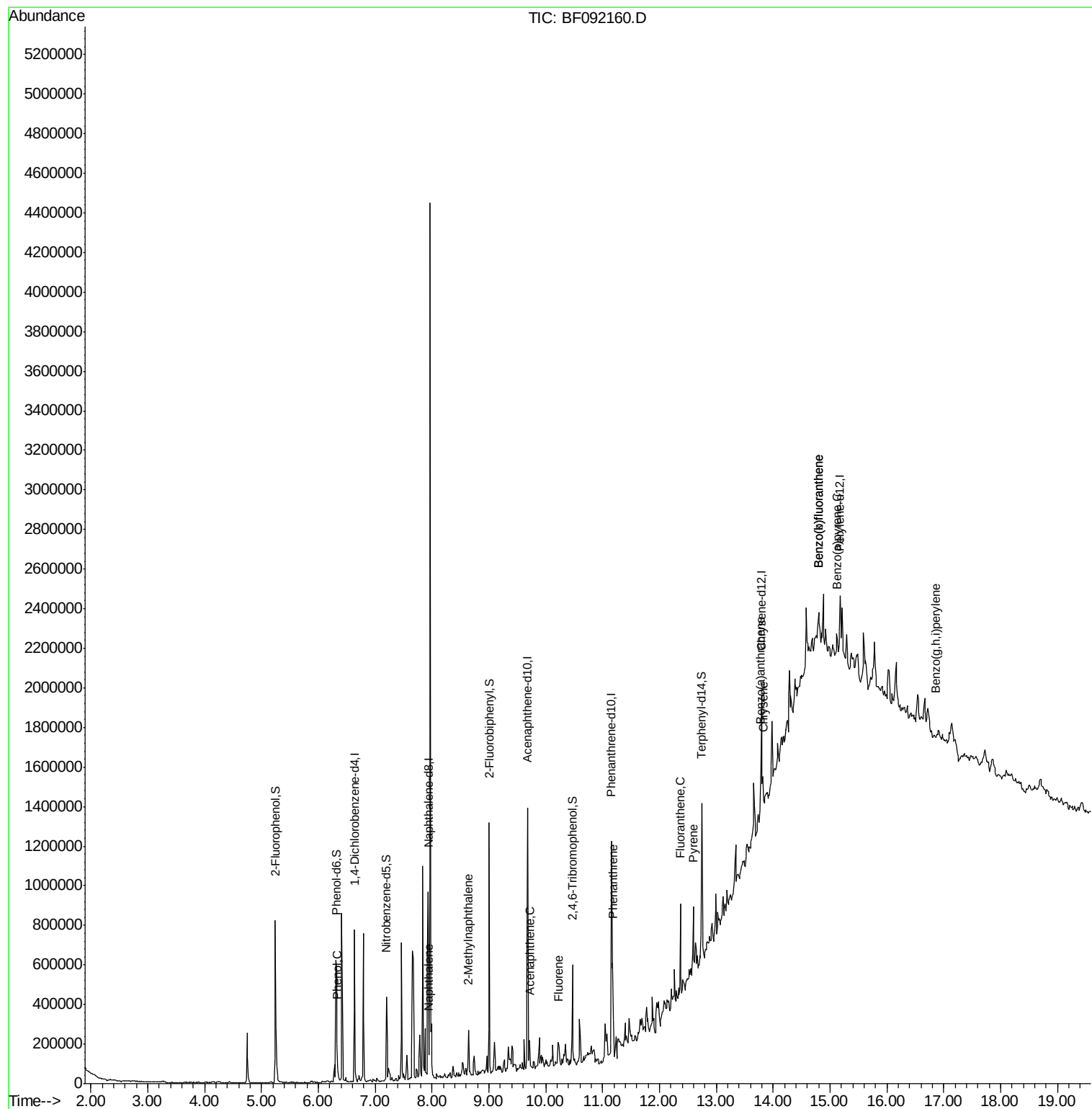
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
9) Benzaldehyde	6.18	77	289	Below Cal	#	17
10) Phenol	6.33	94	22943	2.02	ng	# 78
31) Naphthalene	7.94	128	53746	2.21	ng	99
37) 2-Methylnaphthalene	8.64	142	59286	2.67	ng	98
51) Acenaphthene	9.72	154	44176	2.71	ng	94
57) Fluorene	10.23	166	41056	2.56	ng	91
70) Phenanthrene	11.18	178	187064	7.91	ng	97
73) Di-n-butylphthalate	11.73	149	3213	Below Cal	#	68
74) Fluoranthene	12.37	202	184531	5.54	ng	97
76) Benzidine	12.53	184	4034	Below Cal	#	1
77) Pyrene	12.60	202	147325	9.84	ng	98
80) Benzo(a)anthracene	13.79	228	47215	4.10	ng	# 87
82) Chrysene	13.82	228	59760	5.17	ng	# 89
87) Benzo(b)fluoranthene	14.80	252	60920	6.36	ng	# 34
88) Benzo(k)fluoranthene	14.80	252	60920	7.46	ng	# 34
89) Benzo(a)pyrene	15.12	252	28307	3.33	ng	# 16
91) Benzo(g,h,i)perylene	16.86	276	15527	2.14	ng	# 32

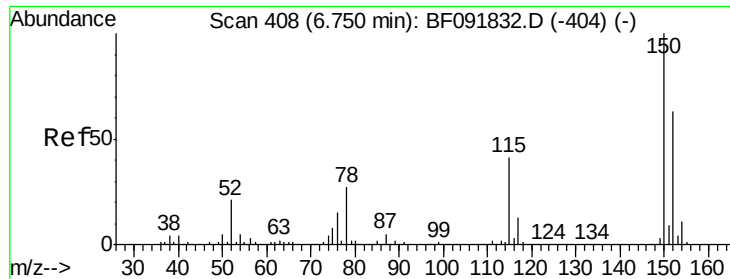
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010917\
Data File : BF092160.D
Acq On : 10 Jan 2017 1:31
Operator : UM/SJ
Sample : I1045-05 2X
Misc :
ALS Vial : 26 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
RAP-SP3

Quant Time: Jan 10 03:34:58 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF122116.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jan 06 15:43:51 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 416

Delta R.T. 0.00 min

Lab File: BF092160.D

Acq: 10 Jan 2017 1:31

Instrument :

BNA_F

ClientSampleId :

RAP-SP3

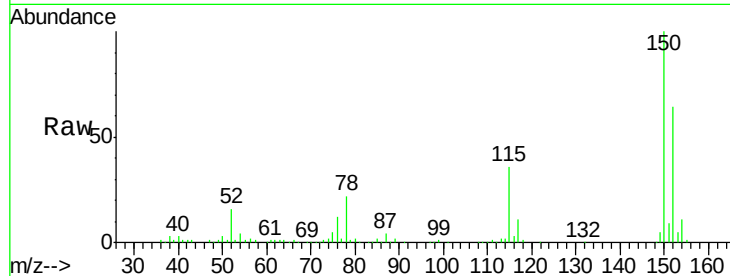
Tgt Ion:152 Resp: 136123

Ion Ratio Lower Upper

152 100

150 157.4 124.9 187.3

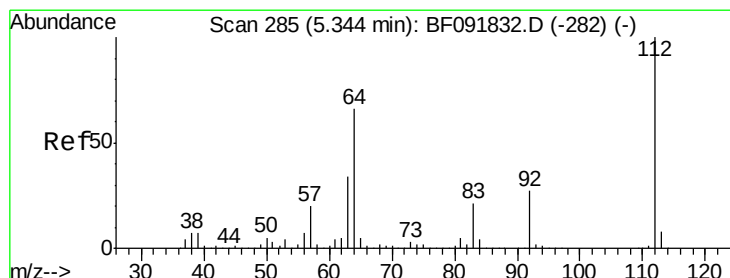
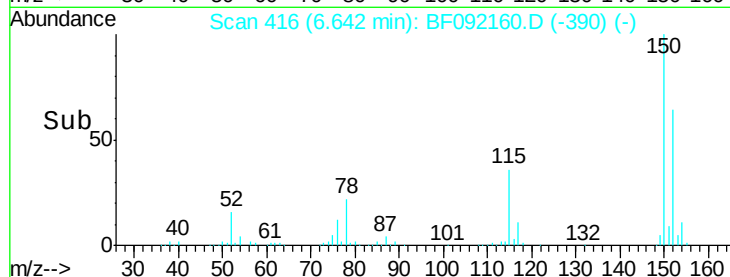
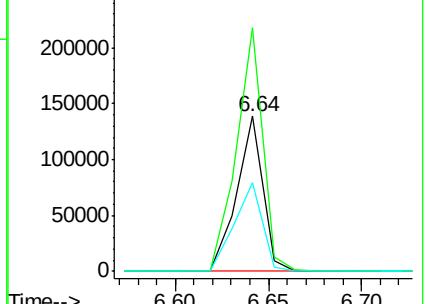
115 57.1 46.0 69.0



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: 35.27 ng

RT: 5.25 min Scan# 294

Delta R.T. 0.01 min

Lab File: BF092160.D

Acq: 10 Jan 2017 1:31

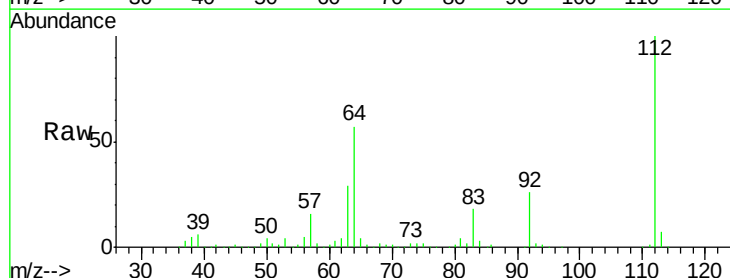
Tgt Ion:112 Resp: 287534

Ion Ratio Lower Upper

112 100

64 57.4 46.1 69.1

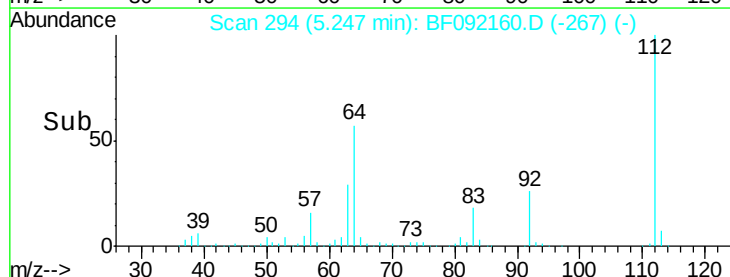
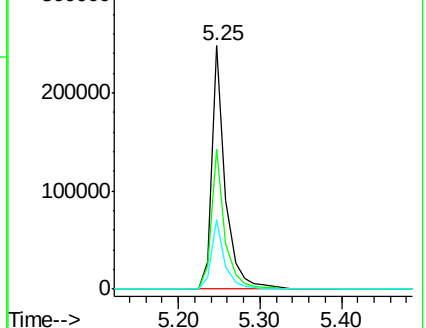
63 28.5 23.8 35.6

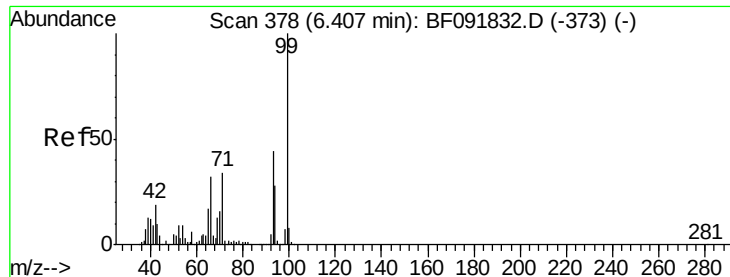


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 35.37 ng

RT: 6.31 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF092160.D

Acq: 10 Jan 2017 1:31

Instrument :

BNA_F

ClientSampled :

RAP-SP3

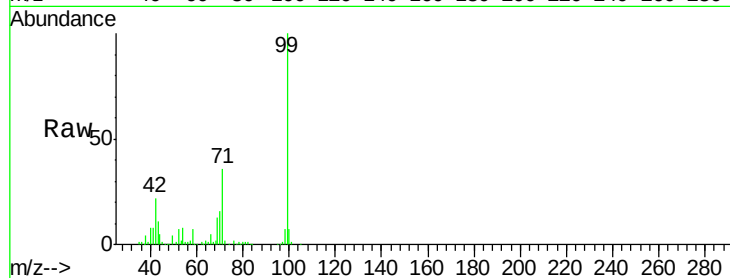
Tgt Ion: 99 Resp: 352090

Ion Ratio Lower Upper

99 100

42 21.8 15.6 23.4

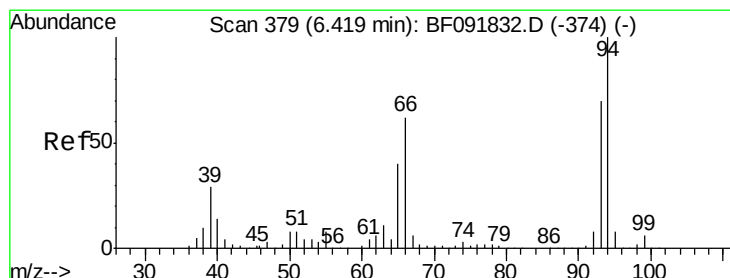
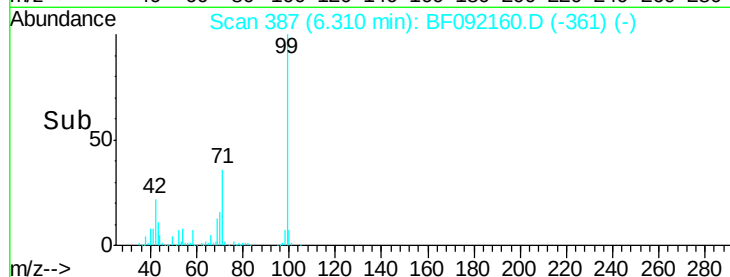
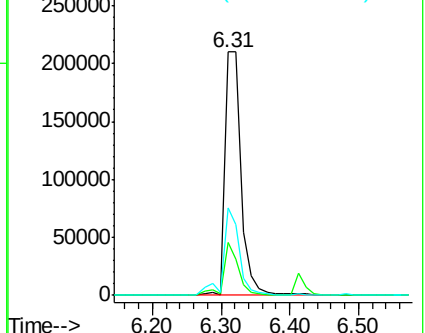
71 36.0 27.5 41.3



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#10

Phenol

Concen: 2.02 ng

RT: 6.33 min Scan# 389

Delta R.T. 0.01 min

Lab File: BF092160.D

Acq: 10 Jan 2017 1:31

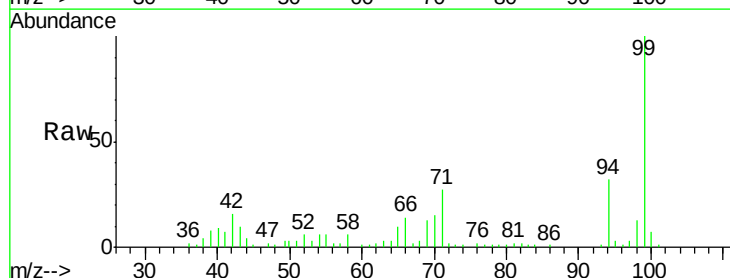
Tgt Ion: 94 Resp: 22943

Ion Ratio Lower Upper

94 100

65 31.3 21.4 61.4

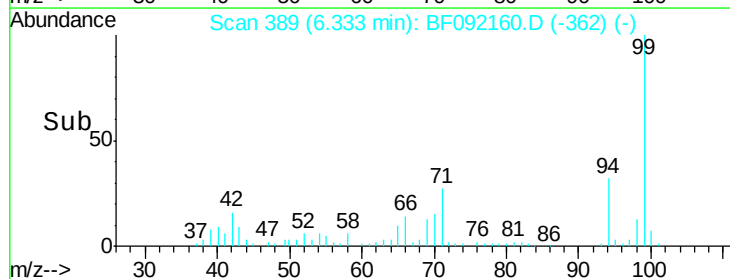
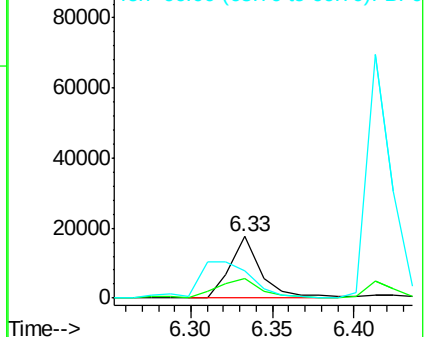
66 43.8 44.0 84.0#

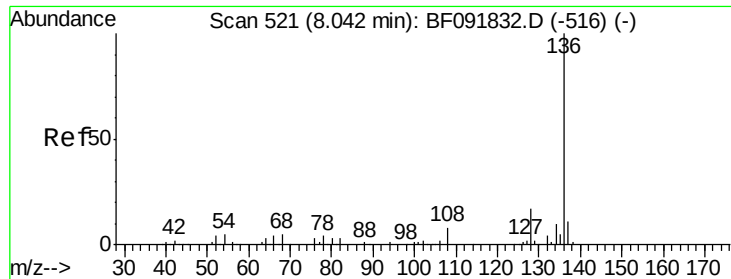


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

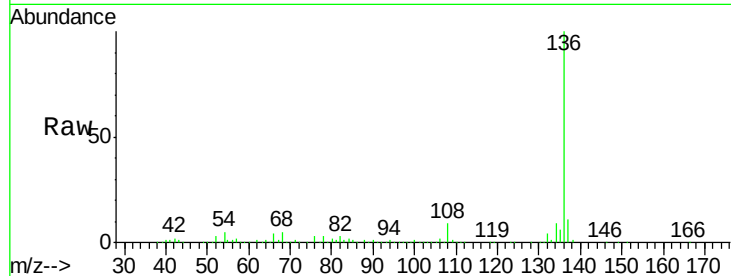




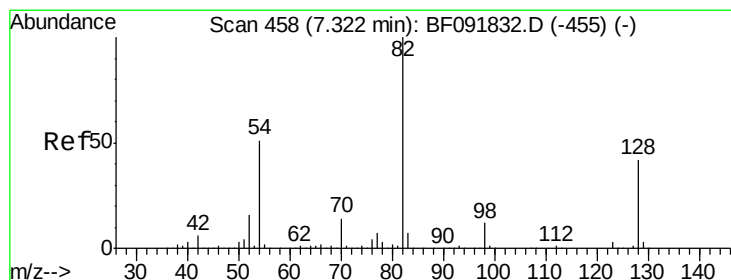
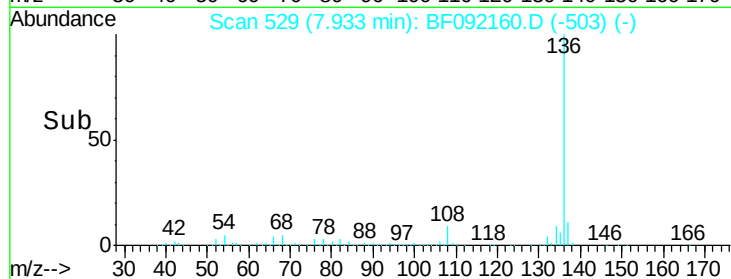
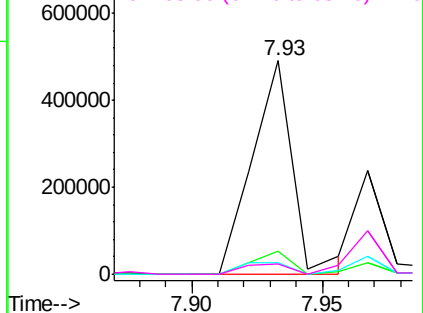
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.93 min Scan# 529
Delta R.T. 0.00 min
Lab File: BF092160.D
Acq: 10 Jan 2017 1:31

Instrument :
BNA_F
ClientSampleId :
RAP-SP3

Tgt Ion:	136	Resp:	532373
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.4	12.6
54	5.4	4.5	6.7
68	4.6	3.6	5.4

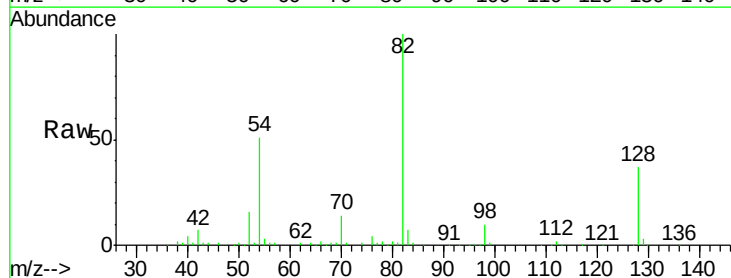


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

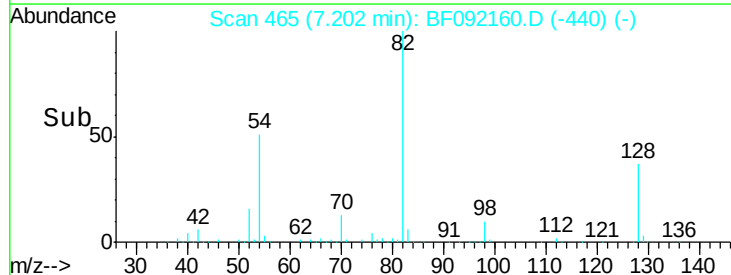
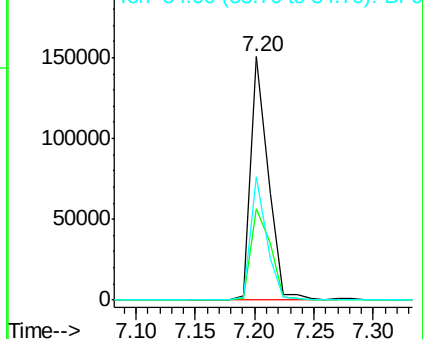


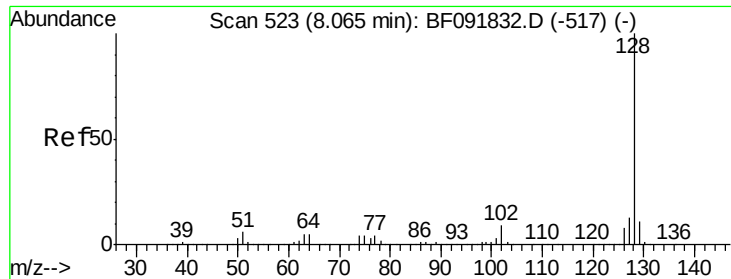
#23
Nitrobenzene-d5
Concen: 16.40 ng
RT: 7.20 min Scan# 465
Delta R.T. -0.01 min
Lab File: BF092160.D
Acq: 10 Jan 2017 1:31

Tgt Ion:	82	Resp:	157034
Ion	Ratio	Lower	Upper
82	100		
128	37.3	34.6	52.0
54	50.5	39.5	59.3



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

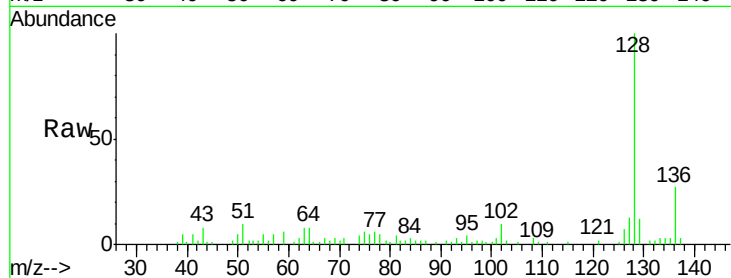




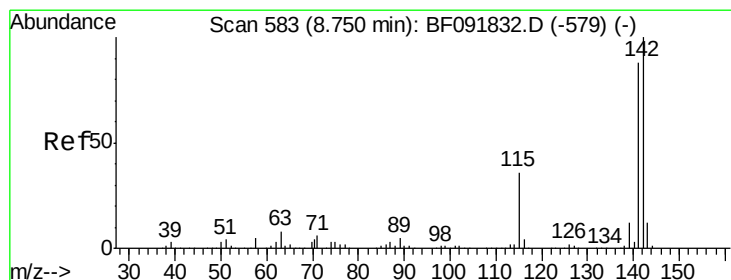
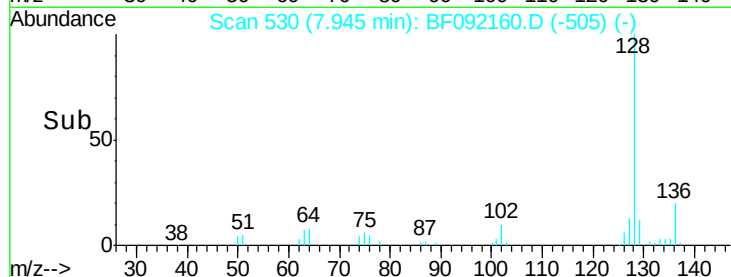
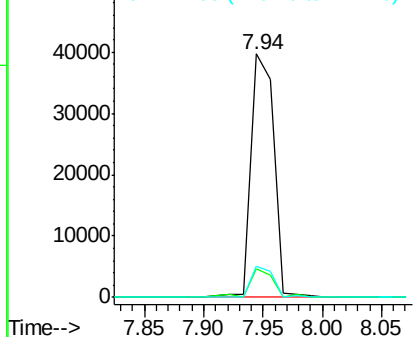
#31
Naphthalene
Concen: 2.21 ng
RT: 7.94 min Scan# 530
Delta R.T. -0.01 min
Lab File: BF092160.D
Acq: 10 Jan 2017 1:31

Instrument :
BNA_F
ClientSampled :
RAP-SP3

Tgt Ion:128 Resp: 53746
Ion Ratio Lower Upper
128 100
129 12.0 9.5 14.3
127 13.0 10.8 16.2

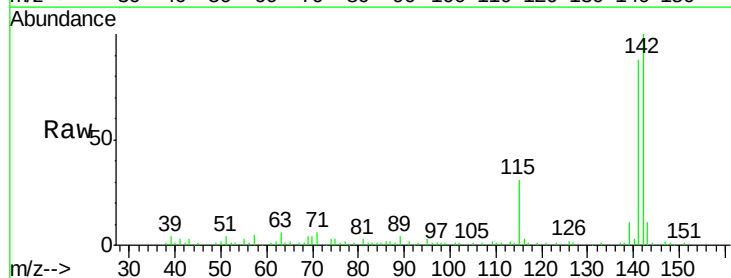


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

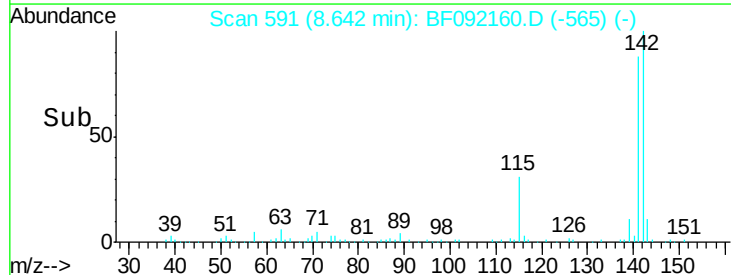
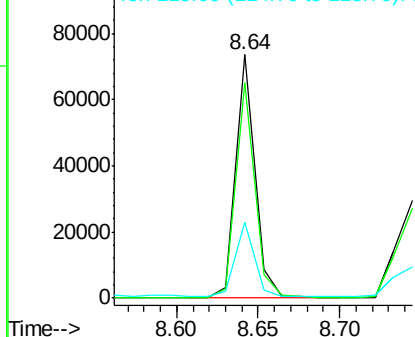


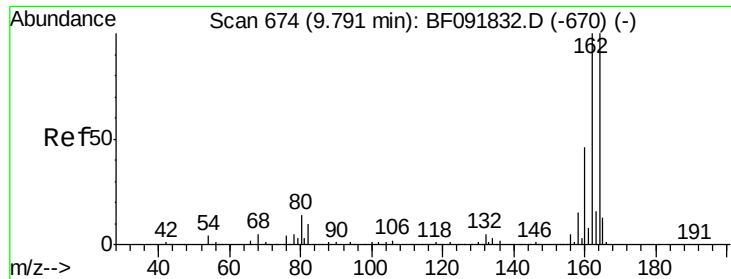
#37
2-Methylnaphthalene
Concen: 2.67 ng
RT: 8.64 min Scan# 591
Delta R.T. 0.00 min
Lab File: BF092160.D
Acq: 10 Jan 2017 1:31

Tgt Ion:142 Resp: 59286
Ion Ratio Lower Upper
142 100
141 88.4 71.0 106.6
115 31.4 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

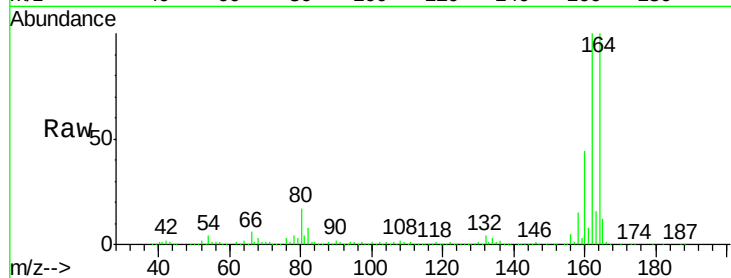




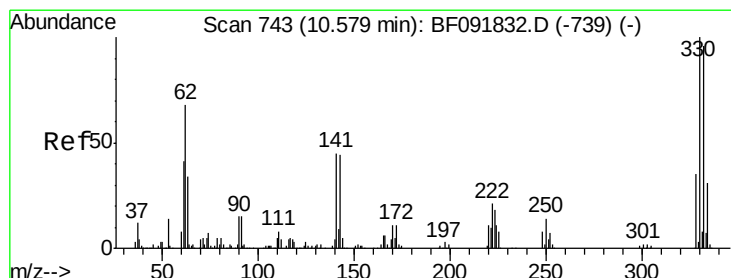
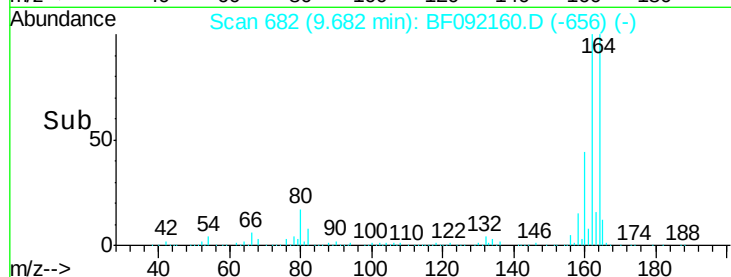
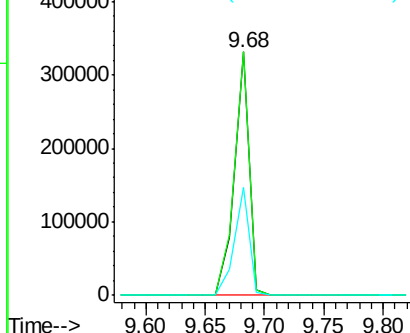
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.68 min Scan# 682
 Delta R.T. 0.00 min
 Lab File: BF092160.D
 Acq: 10 Jan 2017 1:31

Instrument :
 BNA_F
 ClientSampleId :
 RAP-SP3

Tgt Ion:164 Resp: 288580
 Ion Ratio Lower Upper
 164 100
 162 100.1 80.2 120.2
 160 44.3 36.9 55.3

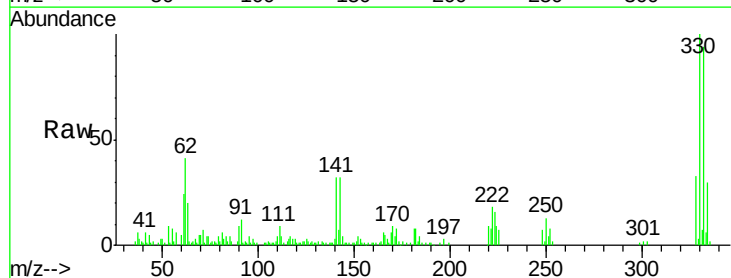


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

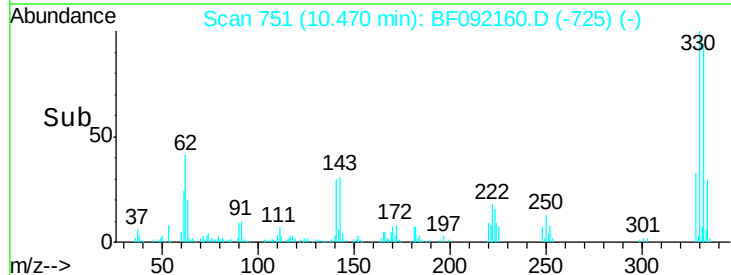
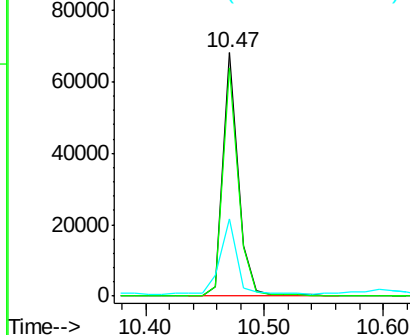


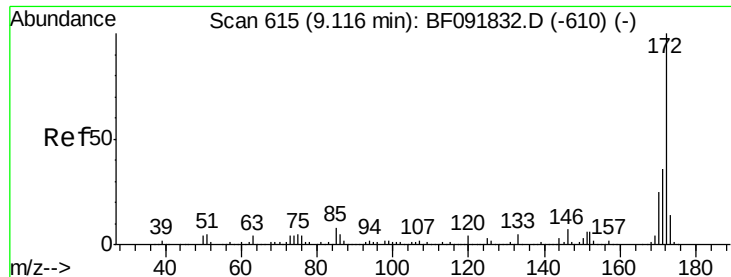
#41
 2,4,6-Tribromophenol
 Concen: 25.38 ng
 RT: 10.47 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: BF092160.D
 Acq: 10 Jan 2017 1:31

Tgt Ion:330 Resp: 60609
 Ion Ratio Lower Upper
 330 100
 332 93.9 77.4 116.2
 141 34.0 34.1 51.1#



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

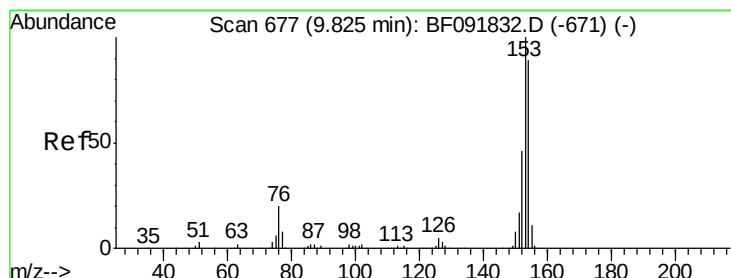
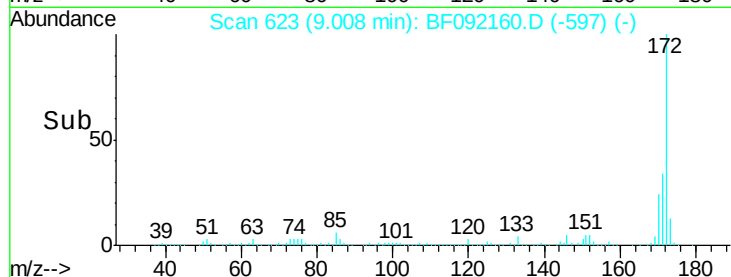
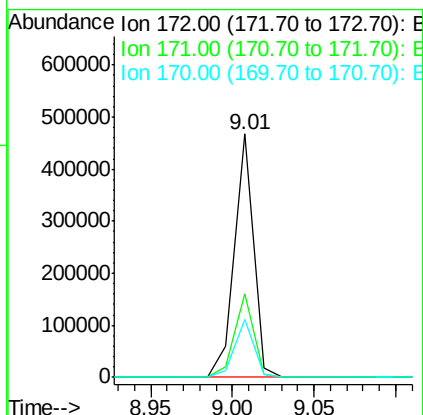
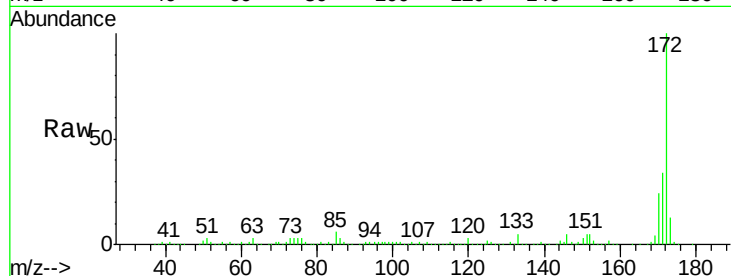




#44
 2-Fluorobiphenyl
 Concen: 16.27 ng
 RT: 9.01 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: BF092160.D
 Acq: 10 Jan 2017 1:31

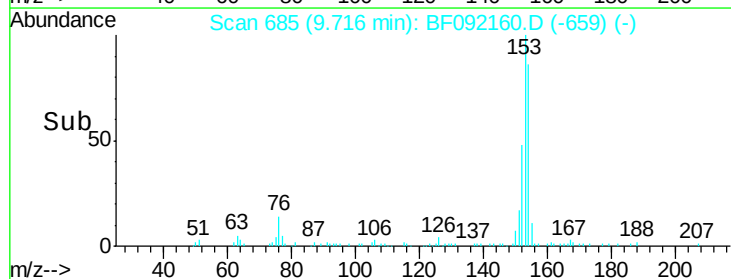
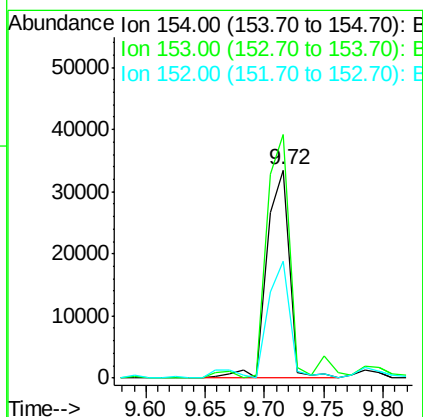
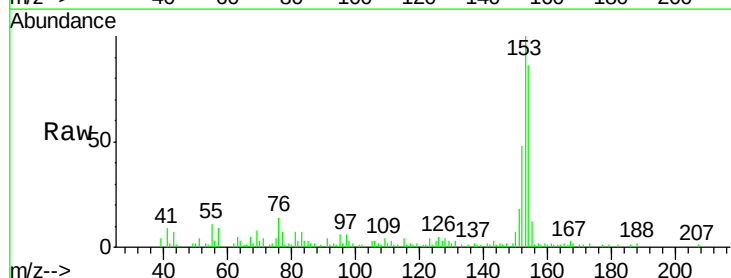
Instrument :
 BNA_F
 ClientSampleId :
 RAP-SP3

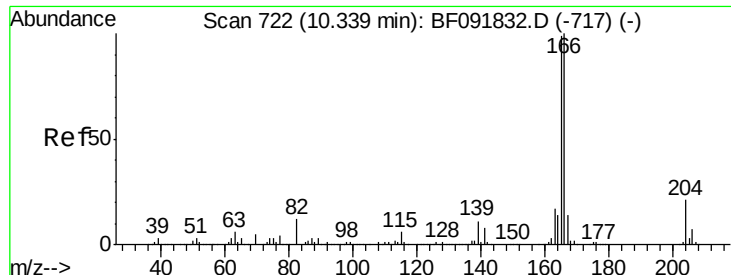
Tgt Ion:172 Resp: 376091
 Ion Ratio Lower Upper
 172 100
 171 34.1 29.4 44.0
 170 23.6 20.2 30.4



#51
 Acenaphthene
 Concen: 2.71 ng
 RT: 9.72 min Scan# 685
 Delta R.T. 0.00 min
 Lab File: BF092160.D
 Acq: 10 Jan 2017 1:31

Tgt Ion:154 Resp: 44176
 Ion Ratio Lower Upper
 154 100
 153 116.9 88.6 133.0
 152 56.1 41.6 62.4

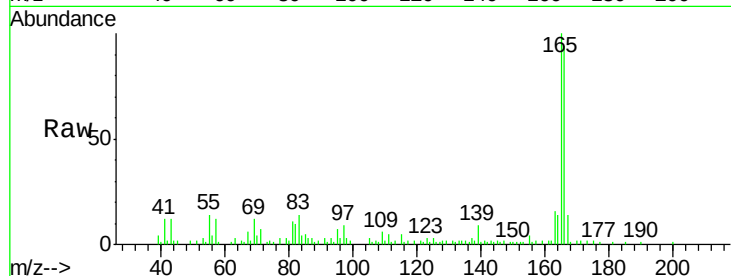




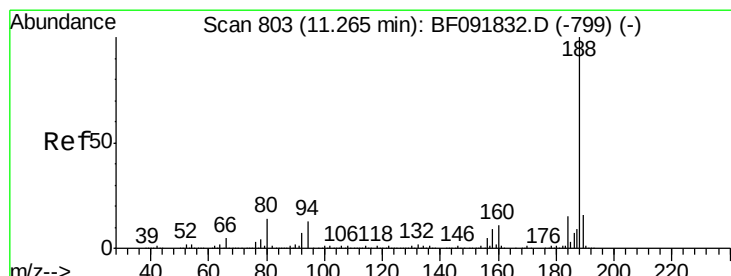
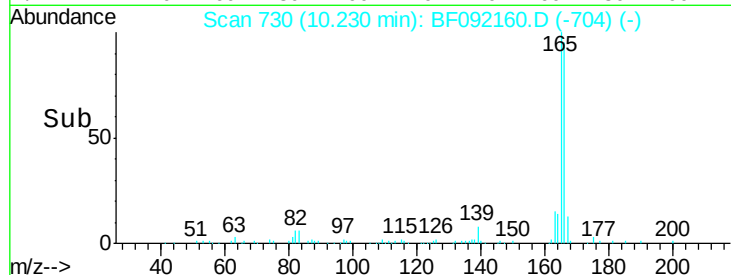
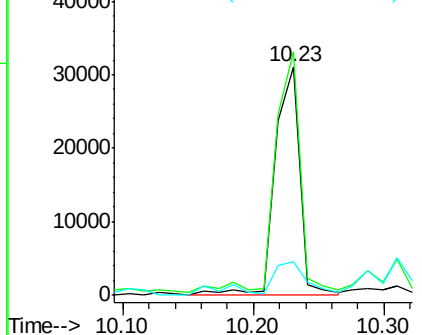
#57
 Fluorene
 Concen: 2.56 ng
 RT: 10.23 min Scan# 730
 Delta R.T. 0.00 min
 Lab File: BF092160.D
 Acq: 10 Jan 2017 1:31

Instrument :
 BNA_F
 ClientSampleId :
 RAP-SP3

Tgt Ion:166 Resp: 41056
 Ion Ratio Lower Upper
 166 100
 165 106.5 77.8 116.8
 167 14.8 10.8 16.2

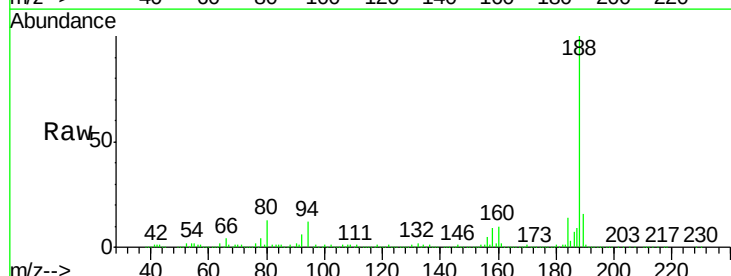


Abundance Ion 166.00 (165.70 to 166.70): E
 Ion 165.00 (164.70 to 165.70): E
 Ion 167.00 (166.70 to 167.70): E

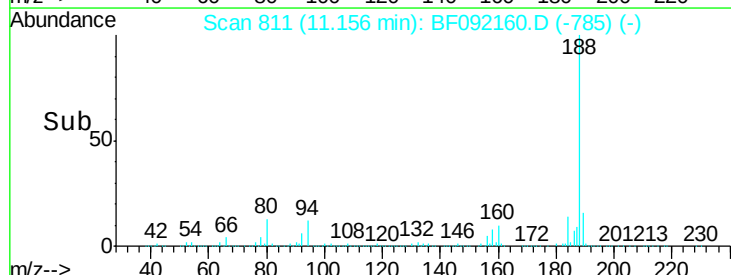
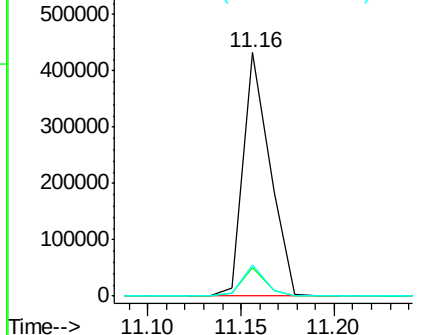


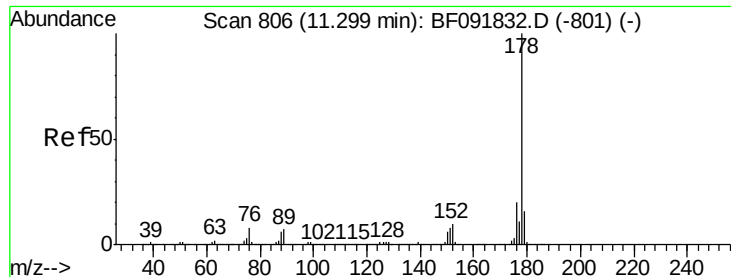
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.16 min Scan# 811
 Delta R.T. 0.00 min
 Lab File: BF092160.D
 Acq: 10 Jan 2017 1:31

Tgt Ion:188 Resp: 435969
 Ion Ratio Lower Upper
 188 100
 94 11.8 10.0 15.0
 80 12.8 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

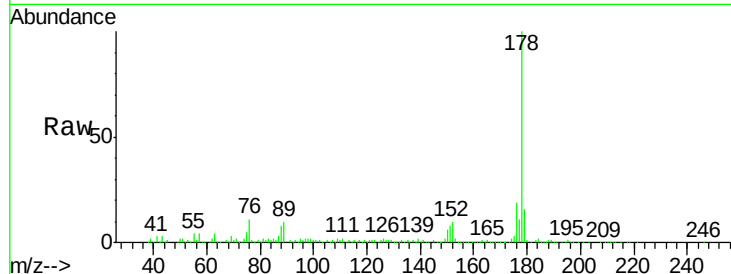




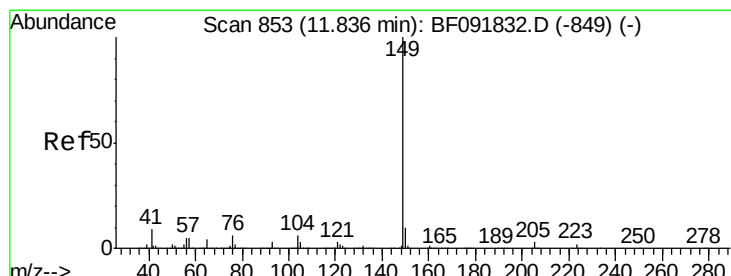
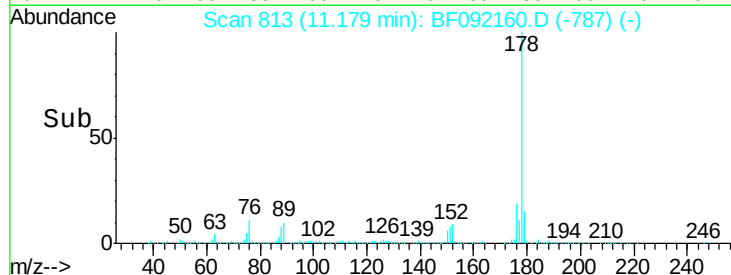
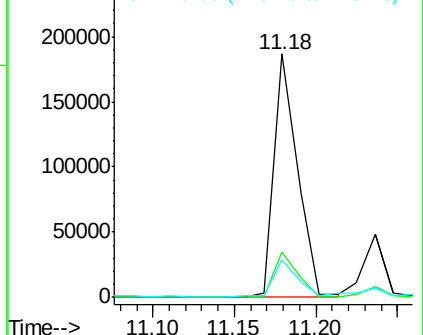
#70
Phenanthrene
Concen: 7.91 ng
RT: 11.18 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF092160.D
Acq: 10 Jan 2017 1:31

Instrument :
BNA_F
ClientSampleId :
RAP-SP3

Tgt Ion:178 Resp: 187064
Ion Ratio Lower Upper
178 100
176 18.7 16.6 25.0
179 15.6 12.8 19.2

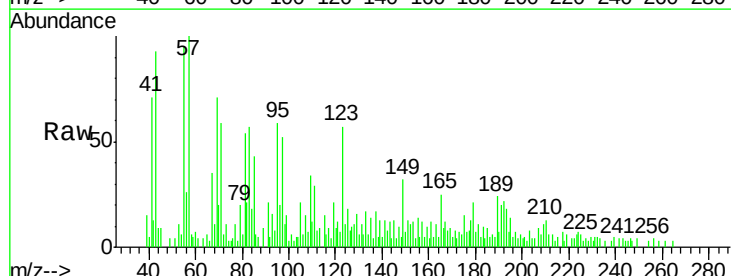


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

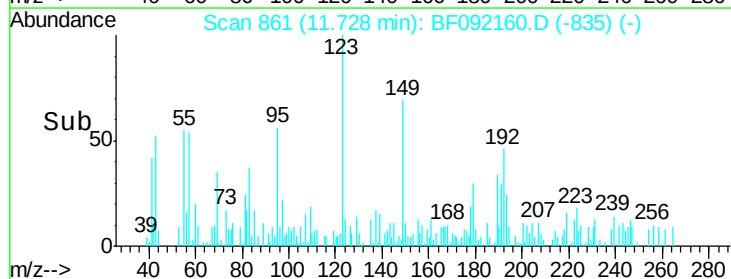
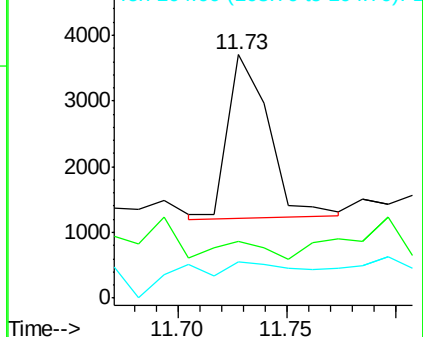


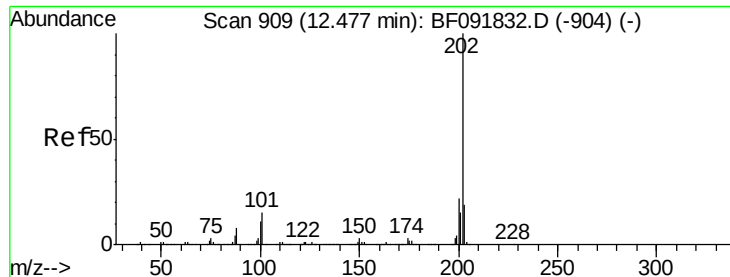
#73
Di-n-butylphthalate
Concen: Below Cal
RT: 11.73 min Scan# 861
Delta R.T. 0.00 min
Lab File: BF092160.D
Acq: 10 Jan 2017 1:31

Tgt Ion:149 Resp: 3213
Ion Ratio Lower Upper
149 100
150 23.1 8.1 12.1#
104 14.8 4.6 7.0#



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

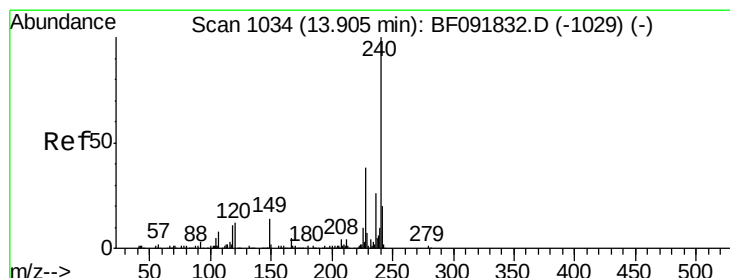
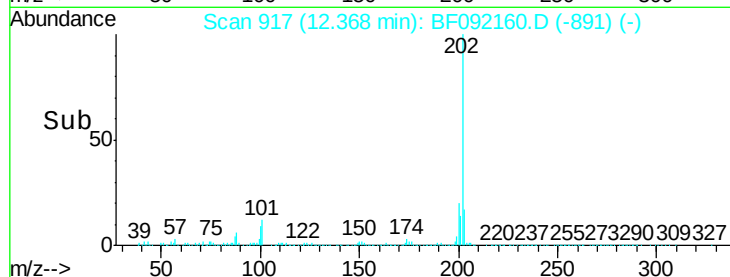
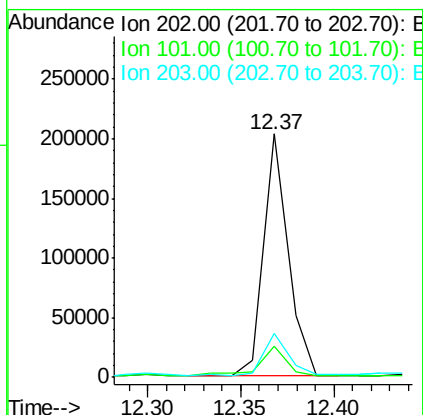
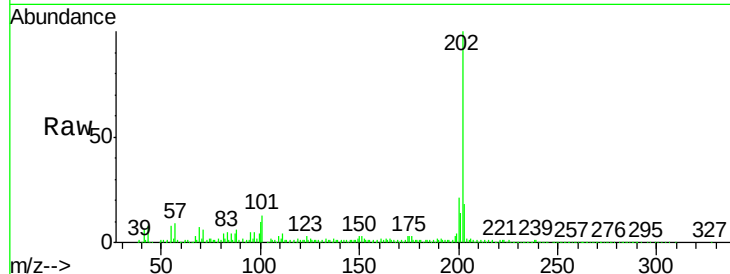




#74
 Fluoranthene
 Concen: 5.54 ng
 RT: 12.37 min Scan# 917
 Delta R.T. 0.00 min
 Lab File: BF092160.D
 Acq: 10 Jan 2017 1:31

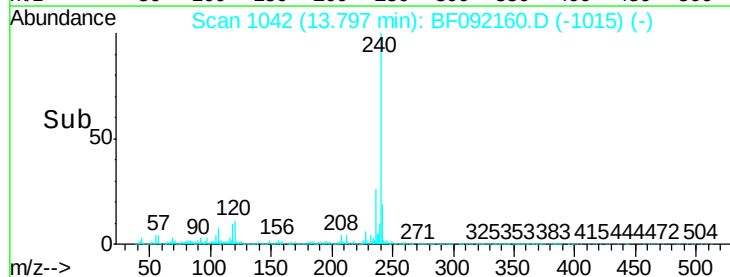
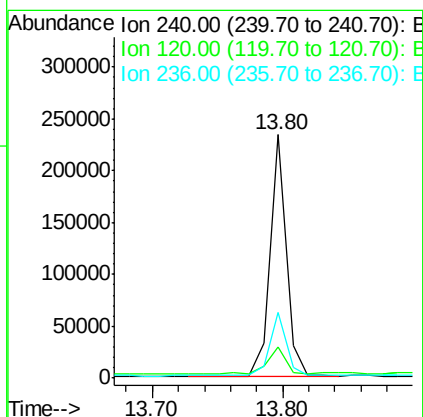
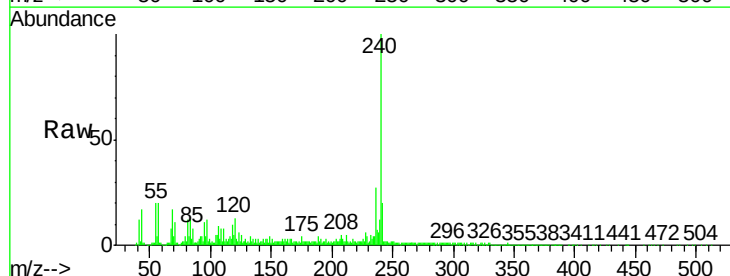
Instrument :
 BNA_F
 ClientSampleId :
 RAP-SP3

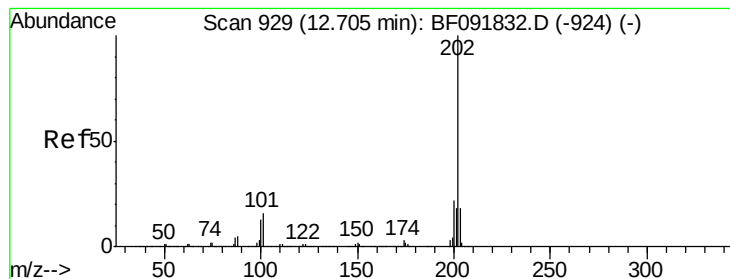
Tgt Ion	Ratio	Resp	Lower	Upper
202	100	184531		
101	12.9		0.0	34.6
203	17.9		0.0	38.7



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 13.80 min Scan# 1042
 Delta R.T. 0.01 min
 Lab File: BF092160.D
 Acq: 10 Jan 2017 1:31

Tgt Ion	Ratio	Resp	Lower	Upper
240	100	204143		
120	12.5		12.9	19.3#
236	26.8		20.9	31.3





#77

Pyrene

Concen: 9.84 ng

RT: 12.60 min Scan# 937

Delta R.T. 0.01 min

Lab File: BF092160.D

Acq: 10 Jan 2017 1:31

Instrument :

BNA_F

ClientSampleId :

RAP-SP3

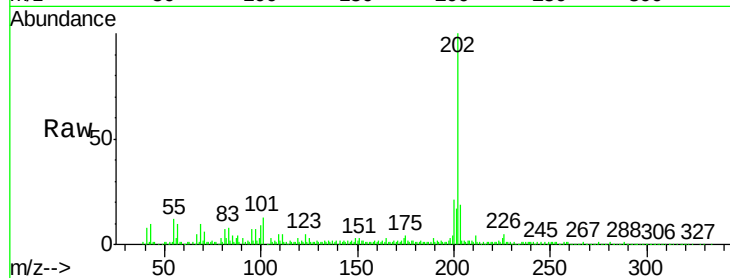
Tgt Ion:202 Resp: 147325

Ion Ratio Lower Upper

202 100

200 20.8 17.7 26.5

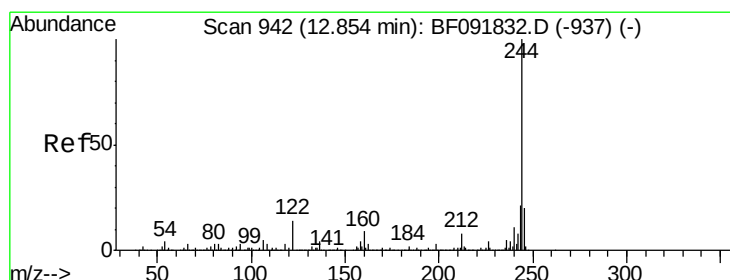
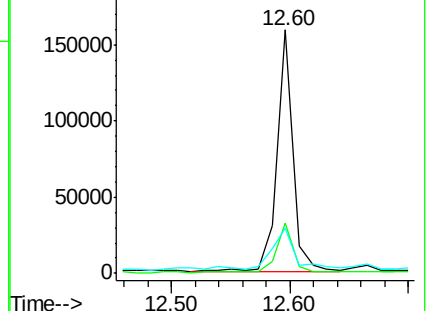
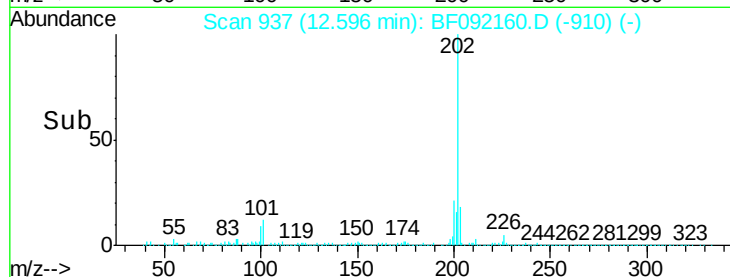
203 18.7 14.7 22.1



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: 28.34 ng

RT: 12.75 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF092160.D

Acq: 10 Jan 2017 1:31

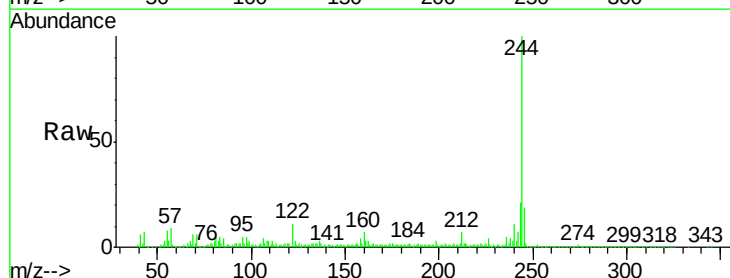
Tgt Ion:244 Resp: 238585

Ion Ratio Lower Upper

244 100

212 7.0 6.2 9.2

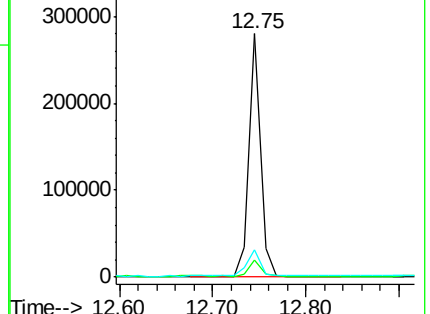
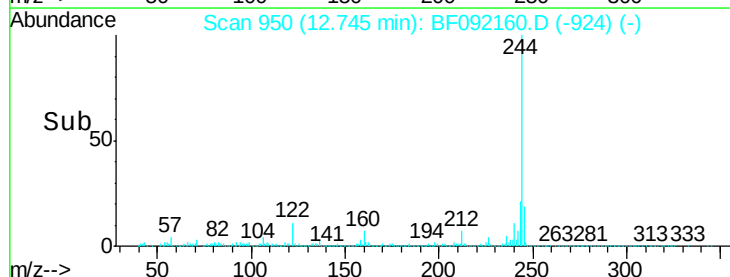
122 11.4 11.4 17.2#

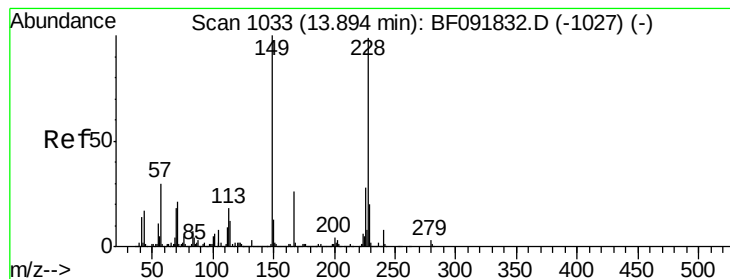


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.10 ng

RT: 13.79 min Scan# 1041

Delta R.T. 0.01 min

Lab File: BF092160.D

Acq: 10 Jan 2017 1:31

Instrument :

BNA_F

ClientSampleId :

RAP-SP3

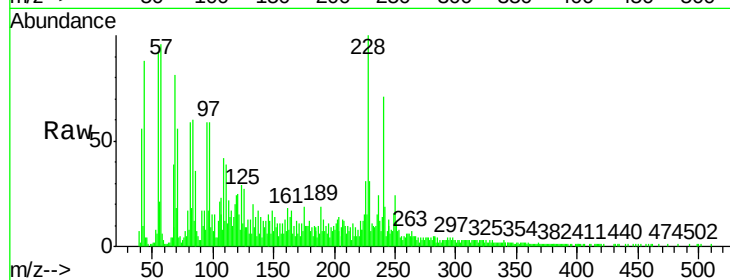
Tgt Ion:228 Resp: 47215

Ion Ratio Lower Upper

228 100

226 31.5 22.4 33.6

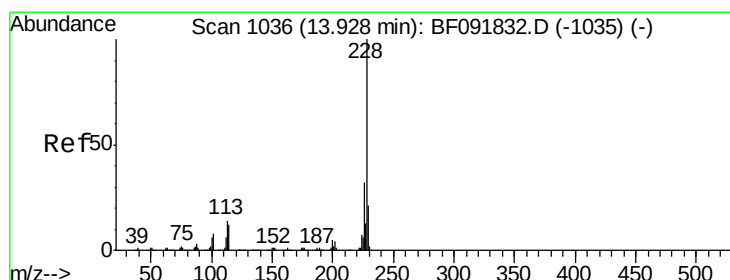
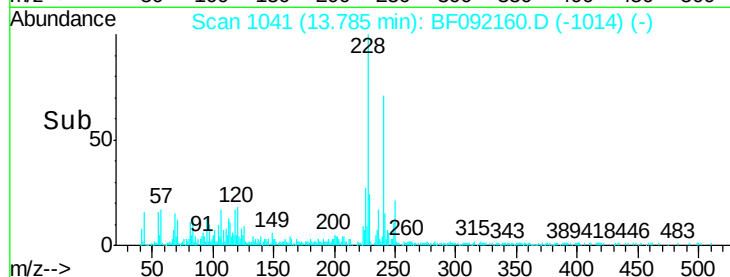
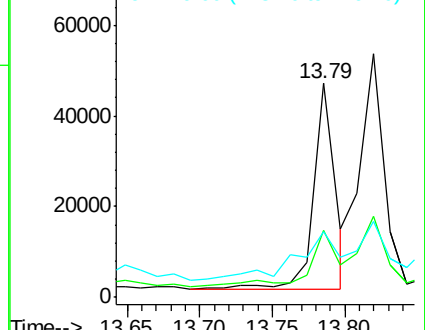
229 30.5 16.2 24.4#



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



#82

Chrysene

Concen: 5.17 ng

RT: 13.82 min Scan# 1044

Delta R.T. 0.01 min

Lab File: BF092160.D

Acq: 10 Jan 2017 1:31

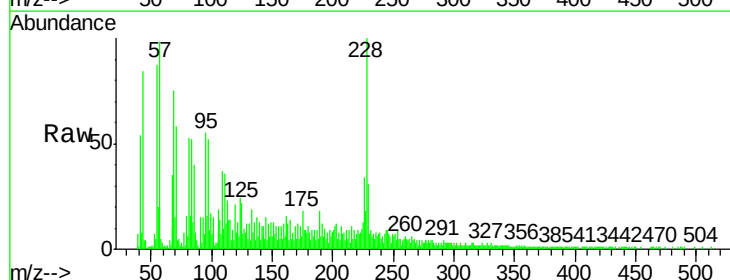
Tgt Ion:228 Resp: 59760

Ion Ratio Lower Upper

228 100

226 33.5 25.4 38.0

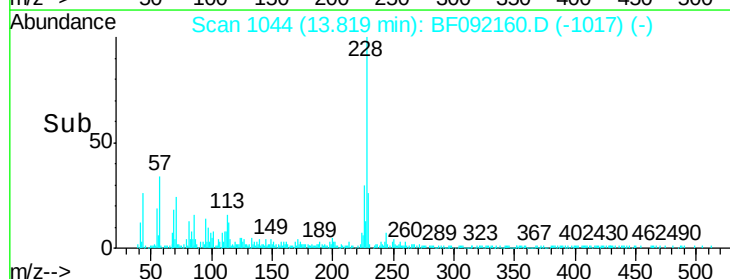
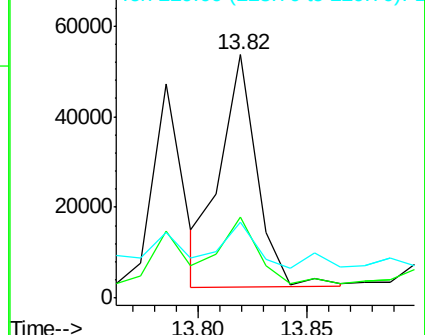
229 31.3 16.2 24.2#

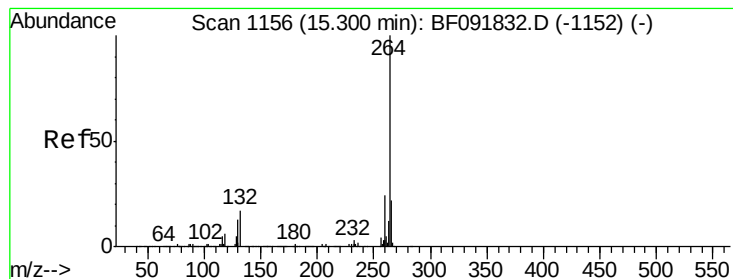


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#86

Perylene-d12

Concen: 20.00 ng

RT: 15.18 min Scan# 1163

Delta R.T. 0.03 min

Lab File: BF092160.D

Acq: 10 Jan 2017 1:31

Instrument :

BNA_F

ClientSampleId :

RAP-SP3

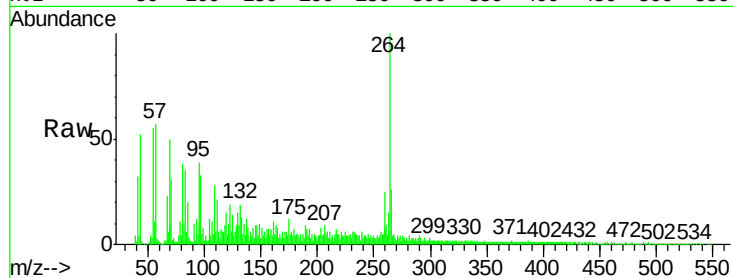
Tgt Ion:264 Resp: 153834

Ion Ratio Lower Upper

264 100

260 25.4 19.2 28.8

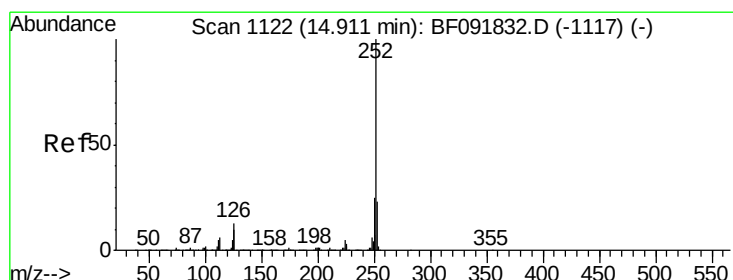
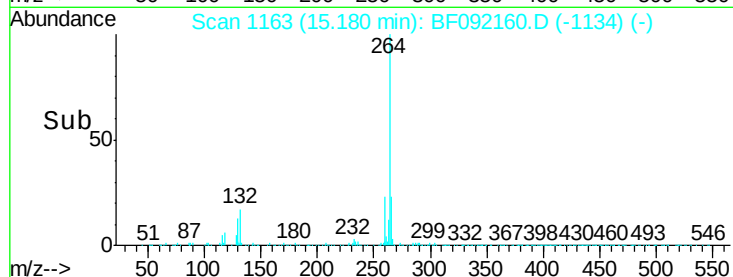
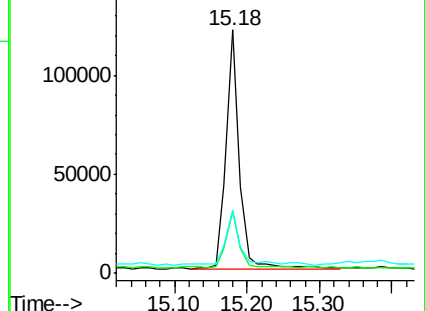
265 25.8 17.4 26.0



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: 6.36 ng

RT: 14.80 min Scan# 1130

Delta R.T. 0.02 min

Lab File: BF092160.D

Acq: 10 Jan 2017 1:31

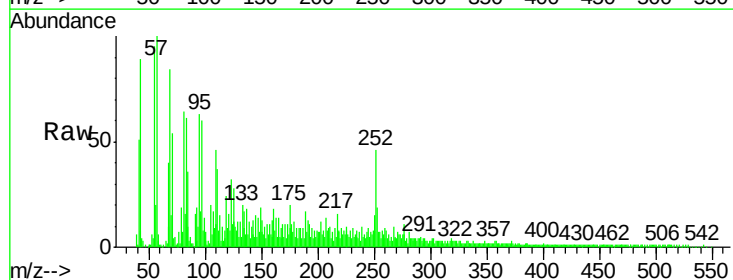
Tgt Ion:252 Resp: 60920

Ion Ratio Lower Upper

252 100

253 40.5 18.2 27.4#

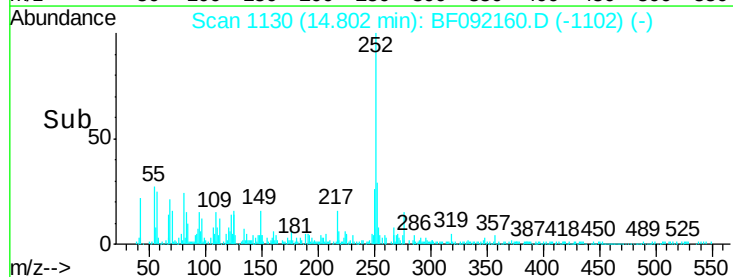
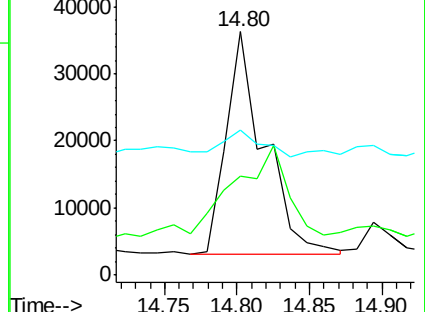
125 59.6 9.8 14.6#

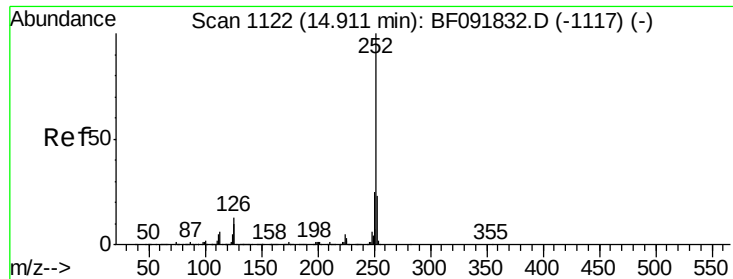


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

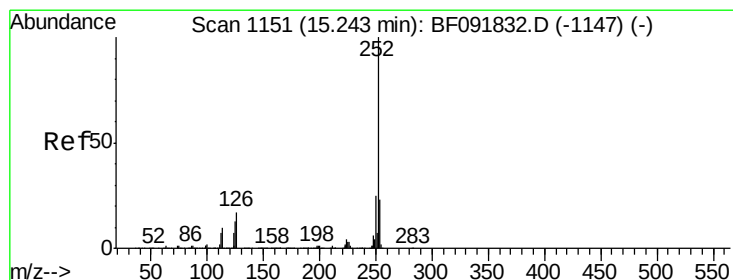
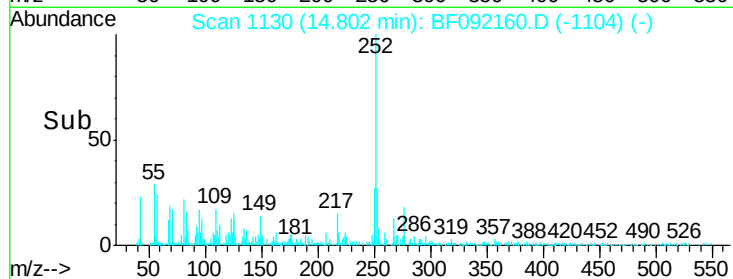
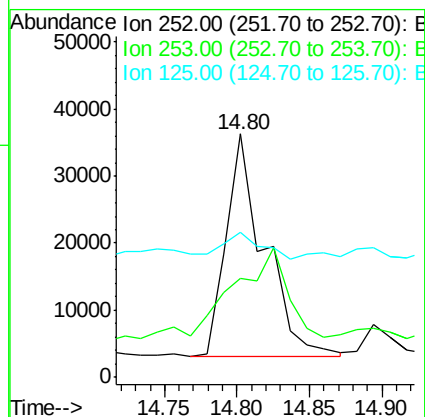
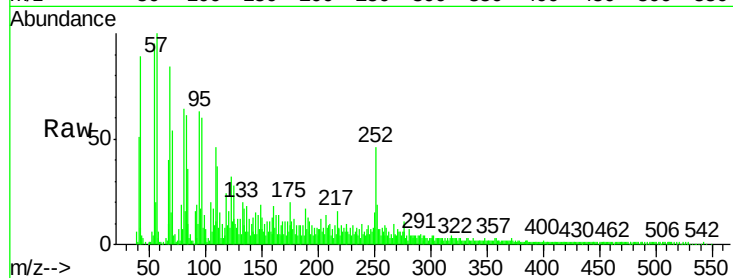




#88
Benzo(k)fluoranthene
Concen: 7.46 ng
RT: 14.80 min Scan# 1130
Delta R.T. 0.00 min
Lab File: BF092160.D
Acq: 10 Jan 2017 1:31

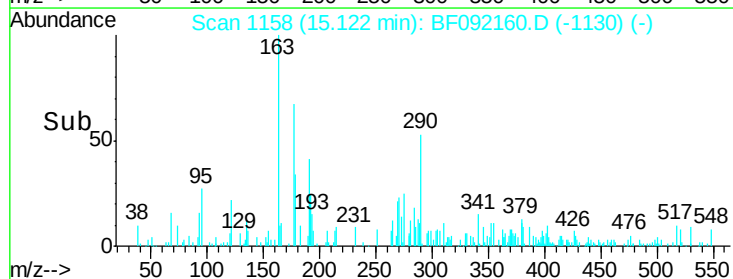
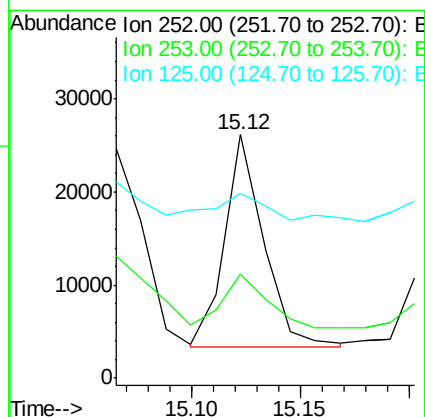
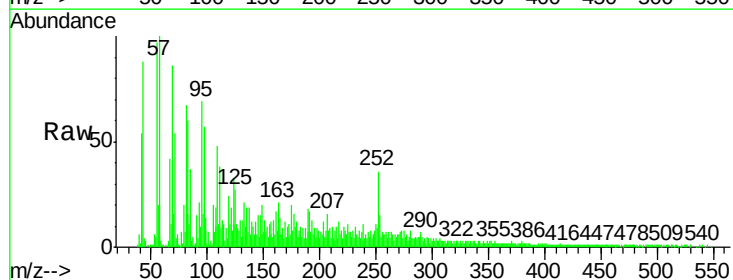
Instrument :
BNA_F
ClientSampled :
RAP-SP3

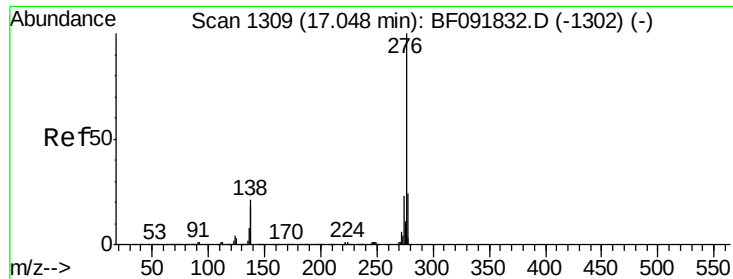
Tgt Ion:252 Resp: 60920
Ion Ratio Lower Upper
252 100
253 40.5 18.5 27.7#
125 59.6 8.9 13.3#



#89
Benzo(a)pyrene
Concen: 3.33 ng
RT: 15.12 min Scan# 1158
Delta R.T. 0.02 min
Lab File: BF092160.D
Acq: 10 Jan 2017 1:31

Tgt Ion:252 Resp: 28307
Ion Ratio Lower Upper
252 100
253 42.6 18.2 27.2#
125 75.9 10.0 15.0#





#91

Benzo(g,h,i)perylene

Concen: 2.14 ng

RT: 16.86 min Scan# 1310

Delta R.T. 0.06 min

Lab File: BF092160.D

Acq: 10 Jan 2017 1:31

Instrument :

BNA_F

ClientSampleId :

RAP-SP3

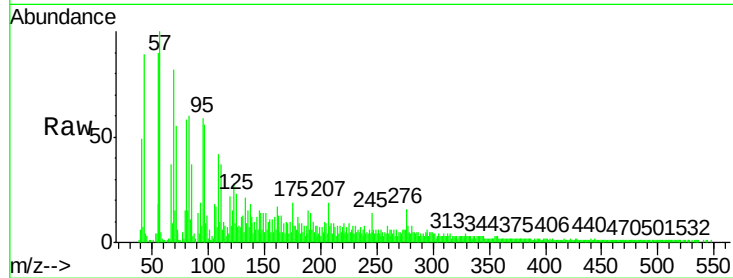
Tgt Ion: 276 Resp: 15527

Ion Ratio Lower Upper

276 100

277 51.4 19.2 28.8#

138 58.2 16.0 24.0#



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

