

Data Path : Z:\HPCHEM1\BNA F\DATA\BF041317\
 Data File : BF094416.D
 Acq On : 14 Apr 2017 4:03
 Operator : SJ/MA
 Sample : I2672-02 50X
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Apr 14 04:36:45 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Apr 14 01:21:26 2017
 Response via : Initial Calibration

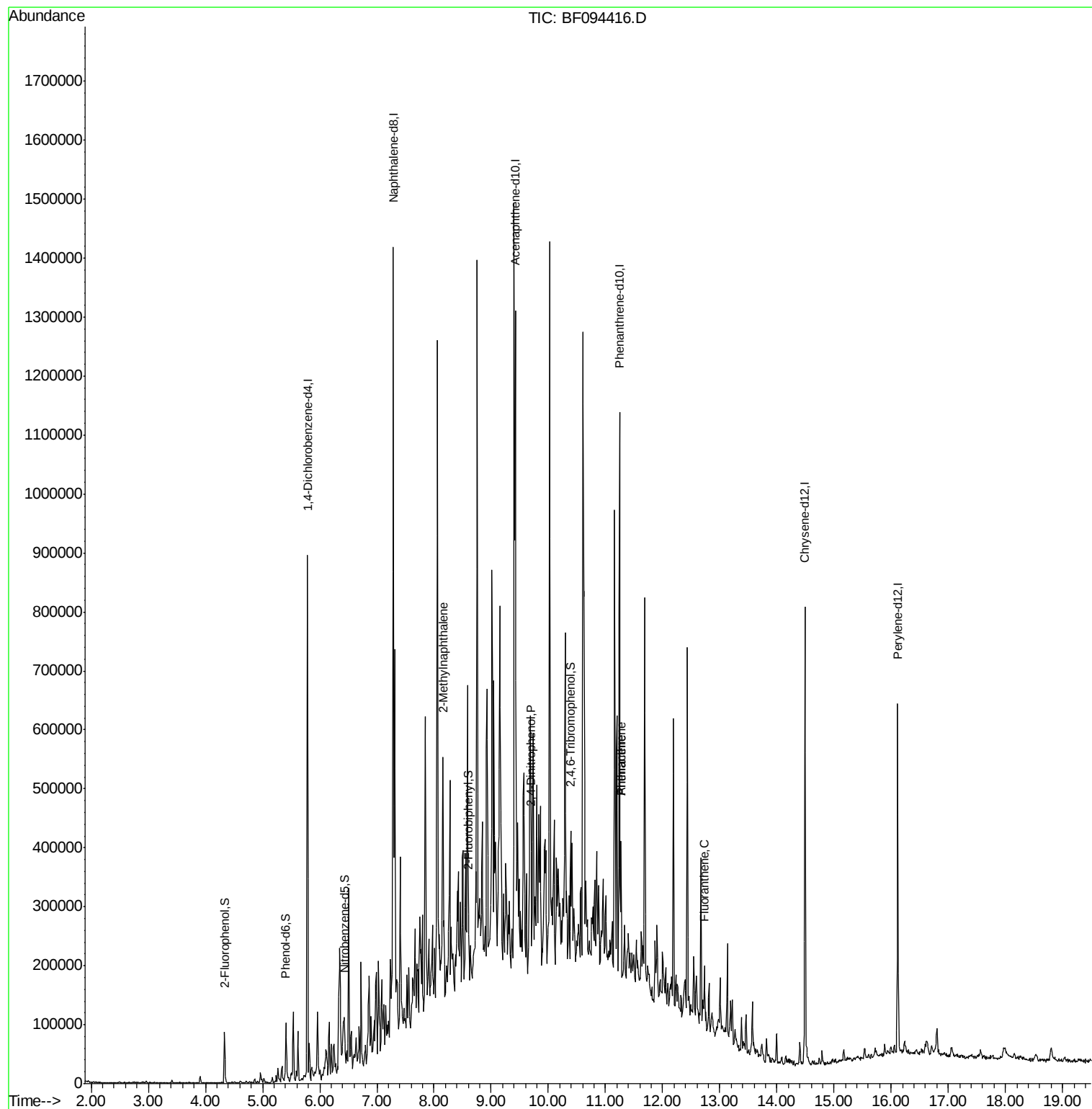
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.79	152	145139	20.00	ng	-0.04
21) Naphthalene-d8	7.29	136	559755	20.00	ng	-0.05
38) Acenaphthene-d10	9.42	164	230255	20.00	ng	-0.05
63) Phenanthrene-d10	11.25	188	360797	20.00	ng	-0.05
75) Chrysene-d12	14.49	240	281462	20.00	ng	-0.06
86) Perylene-d12	16.12	264	219547	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	4.33	112	26656	3.10	ng	-0.04
7) Phenol-d6	5.41	99	34244	3.22	ng	-0.05
23) Nitrobenzene-d5	6.43	82	22292	2.27	ng	-0.06
41) 2,4,6-Tribromophenol	10.40	330	4146	2.28	ng	-0.05
44) 2-Fluorobiphenyl	8.60	172	36921	2.45	ng	-0.05
78) Terphenyl-d14	13.22	244	23504	1.87	ng	-0.06
Target Compounds						
37) 2-Methylnaphthalene	8.16	142	107659	6.00	ng	Qvalue 98
53) 2,4-Dinitrophenol	9.70	184	243	4.78	ng	# 1
70) Phenanthrene	11.27	178	96137	4.79	ng	96
71) Anthracene	11.27	178	96137	4.65	ng	97
74) Fluoranthene	12.73	202	45448	2.21	ng	97

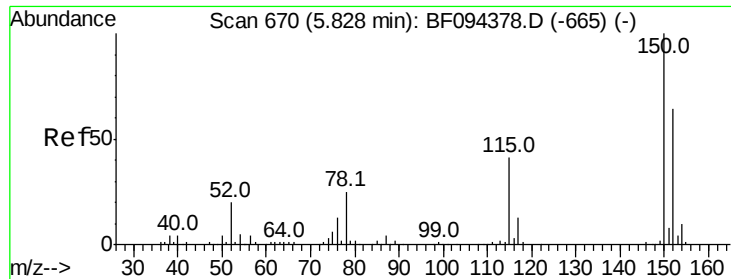
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Apr 14 01:21:26 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.79 min Scan# 663

Delta R.T. -0.04 min

Lab File: BF094416.D

Acq: 14 Apr 2017 4:03

Instrument :

BNA_F

ClientSampleId :

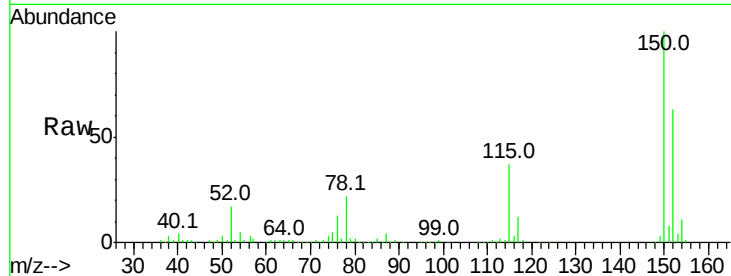
Tot Ion:152 Resp: 145139

Ion Ratio Lower Upper

152 100

150 159.4 126.2 189.2

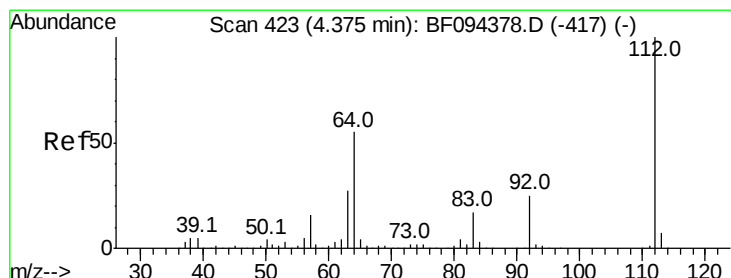
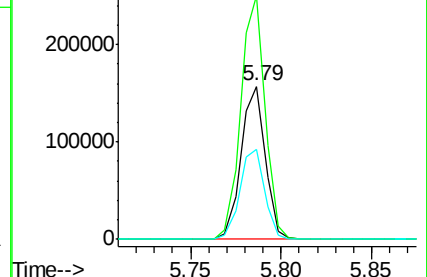
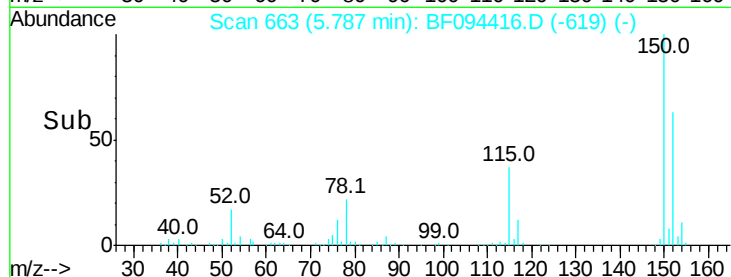
115 58.6 52.2 78.2



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: 3.10 ng

RT: 4.33 min Scan# 416

Delta R.T. -0.04 min

Lab File: BF094416.D

Acq: 14 Apr 2017 4:03

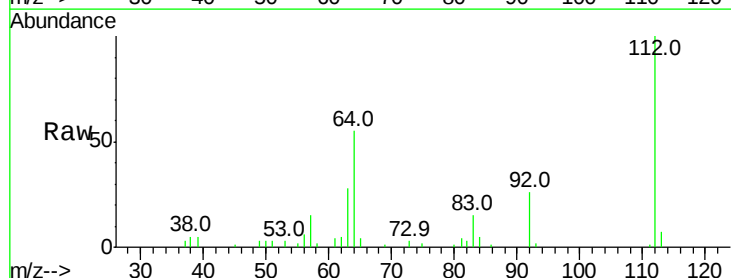
Tgt Ion:112 Resp: 26656

Ion Ratio Lower Upper

112 100

64 54.8 46.0 69.0

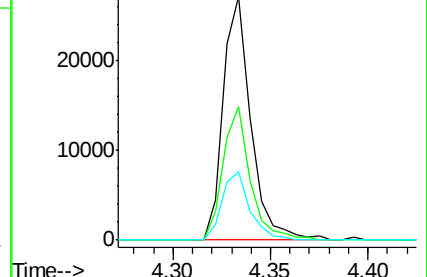
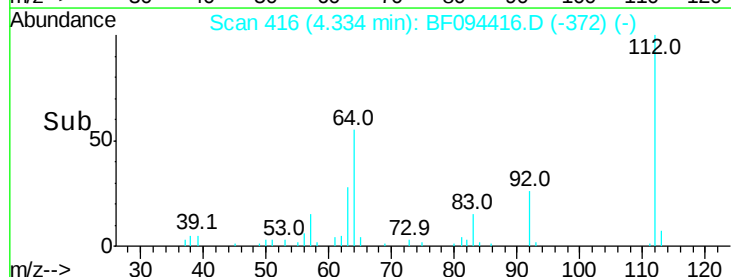
63 27.9 23.4 35.0

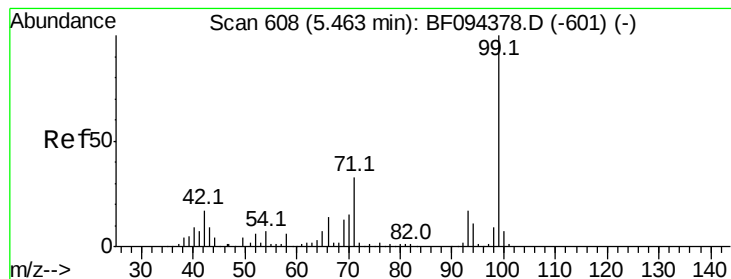


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 3.22 ng

RT: 5.41 min Scan# 599

Delta R.T. -0.05 min

Lab File: BF094416.D

Acq: 14 Apr 2017 4:03

Instrument :

BNA_F

ClientSampleId :

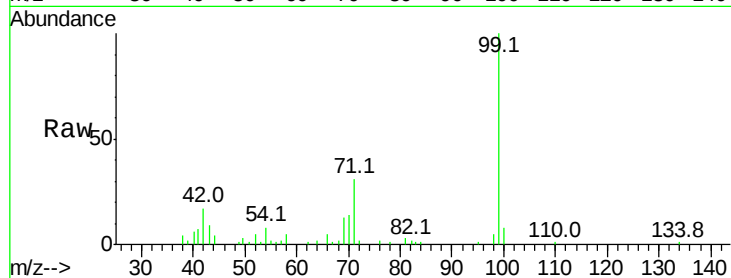
Tot Ion: 99 Resp: 34244

Ion Ratio Lower Upper

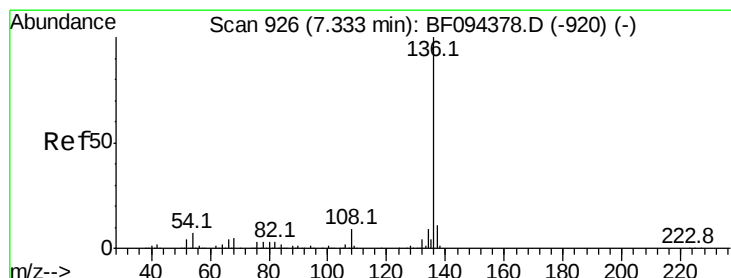
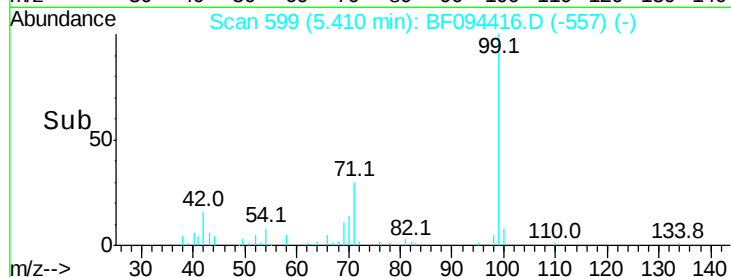
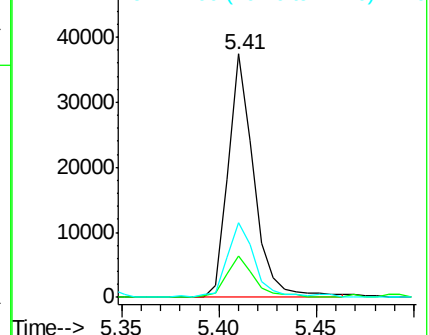
99 100

42 17.1 13.5 20.3

71 30.7 24.5 36.7



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



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.29 min Scan# 918

Delta R.T. -0.05 min

Lab File: BF094416.D

Acq: 14 Apr 2017 4:03

Tgt Ion: 136 Resp: 559755

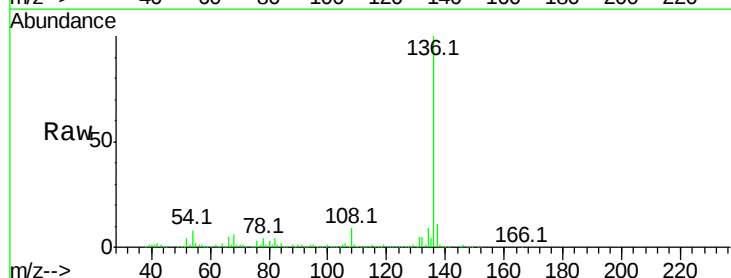
Ion Ratio Lower Upper

136 100

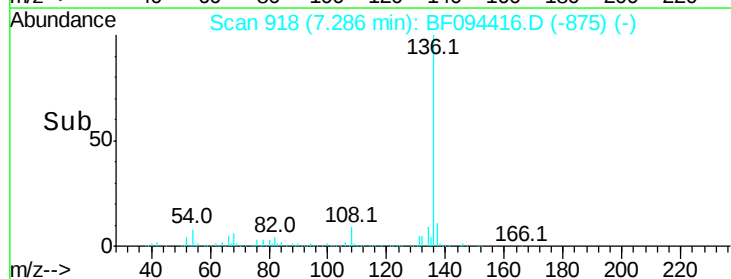
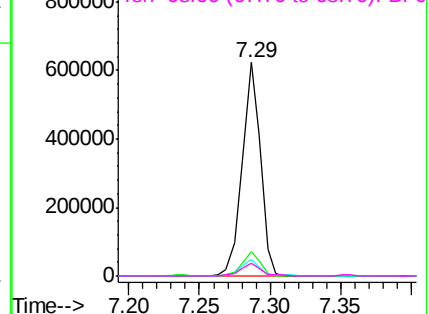
137 11.4 8.5 12.7

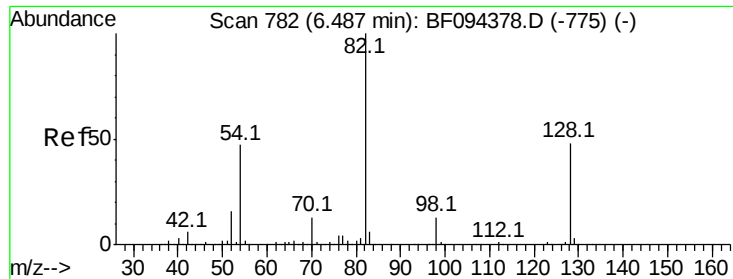
54 7.6 4.9 7.3#

68 5.9 4.1 6.1



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

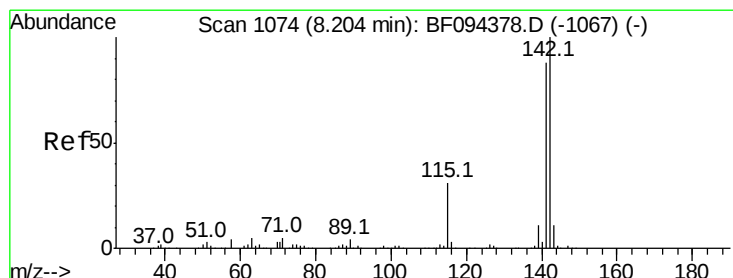
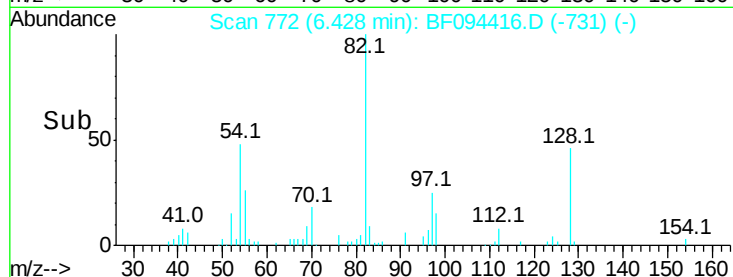
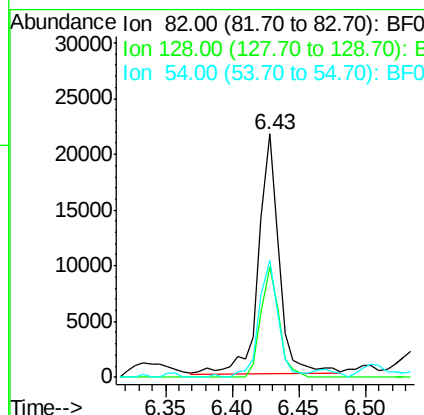
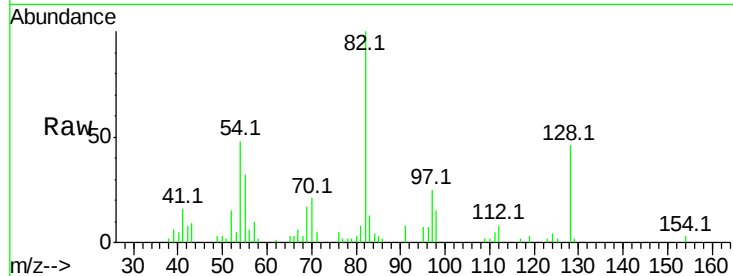




#23
 Nitrobenzene-d5
 Concen: 2.27 ng
 RT: 6.43 min Scan# 772
 Delta R.T. -0.06 min
 Lab File: BF094416.D
 Acq: 14 Apr 2017 4:03

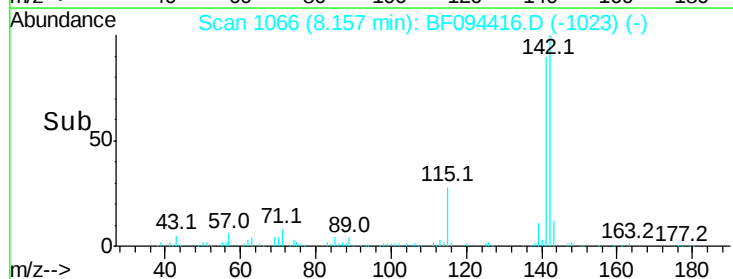
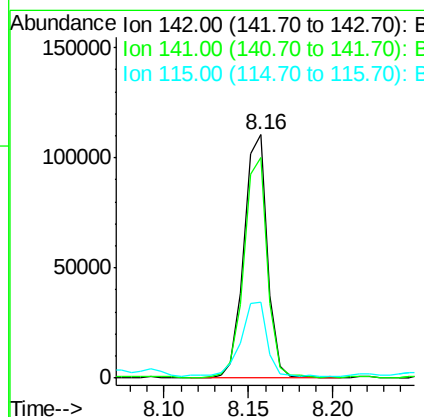
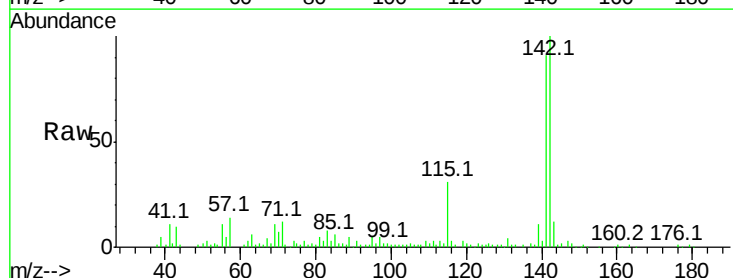
Instrument :
 BNA_F
 ClientSampled :

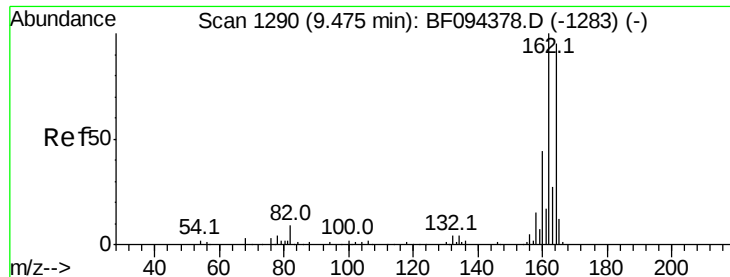
Tot Ion	82	Resp	22292
Ion Ratio	100	Lower	Upper
128	45.6	34.0	51.0
54	47.8	42.2	63.2



#37
 2-Methylnaphthalene
 Concen: 6.00 ng
 RT: 8.16 min Scan# 1066
 Delta R.T. -0.05 min
 Lab File: BF094416.D
 Acq: 14 Apr 2017 4:03

Tgt Ion	142	Resp	107659
Ion Ratio	100	Lower	Upper
141	90.5	71.3	106.9
115	31.3	27.1	40.7





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.42 min Scan# 1281

Delta R.T. -0.05 min

Lab File: BF094416.D

Acq: 14 Apr 2017 4:03

Instrument :

BNA_F

ClientSampleId :

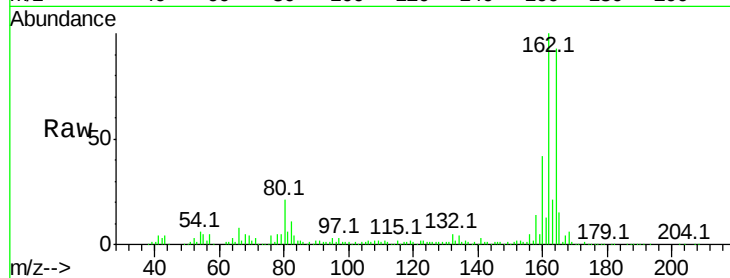
Tot Ion:164 Resp: 230255

Ion Ratio Lower Upper

164 100

162 107.3 82.6 123.8

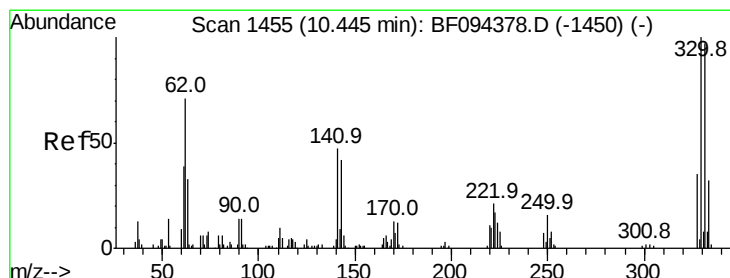
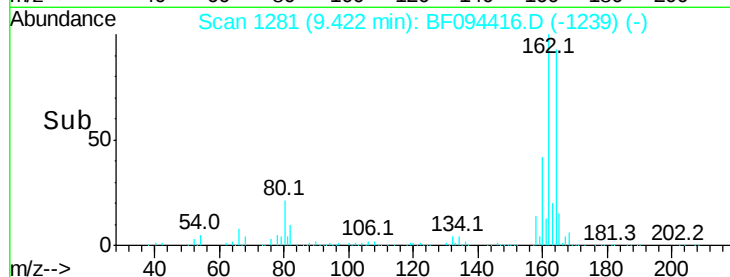
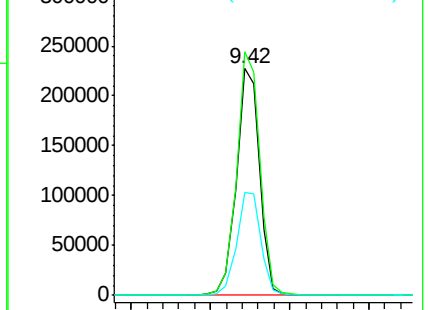
160 45.4 36.2 54.2



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: 2.28 ng

RT: 10.40 min Scan# 1447

Delta R.T. -0.05 min

Lab File: BF094416.D

Acq: 14 Apr 2017 4:03

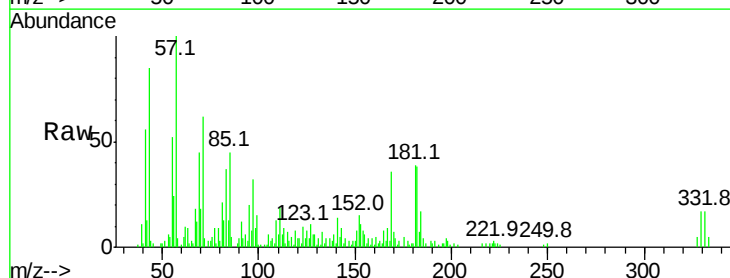
Tgt Ion:330 Resp: 4146

Ion Ratio Lower Upper

330 100

332 95.5 76.6 115.0

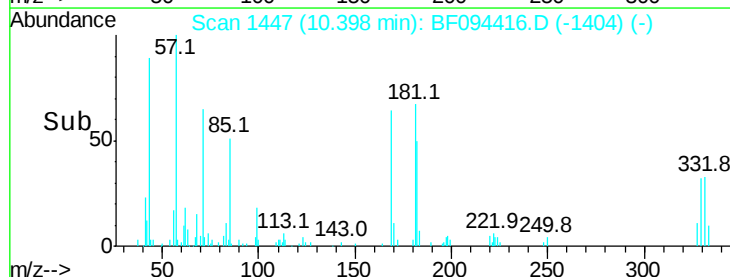
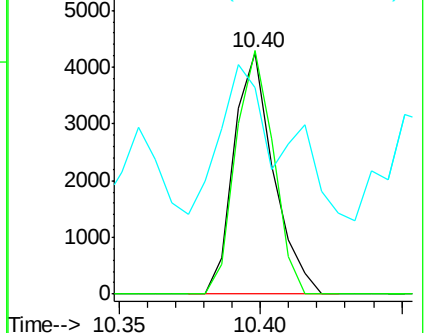
141 102.4 31.4 47.2#

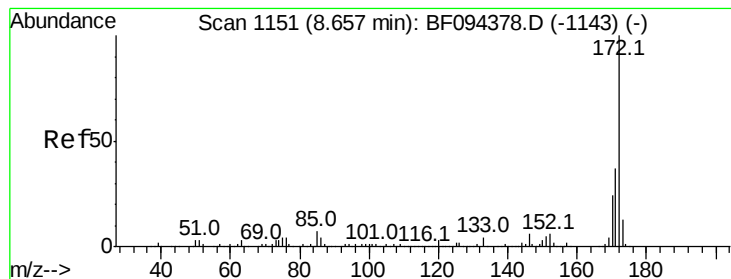


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

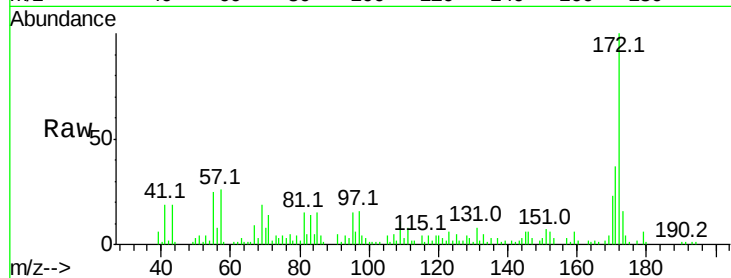




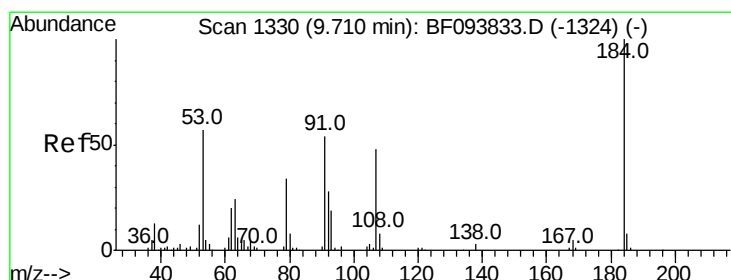
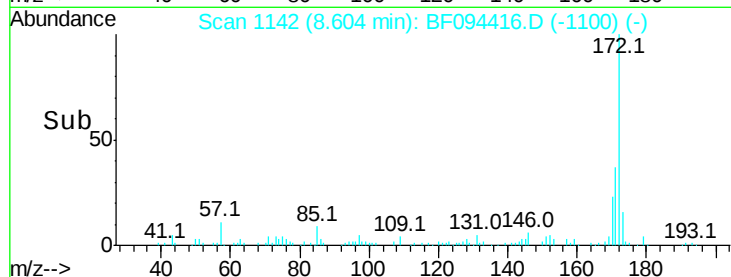
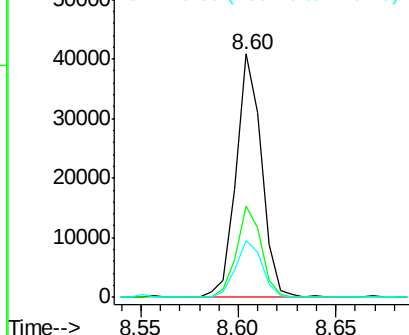
#44
2-Fluorobiphenyl
Concen: 2.45 ng
RT: 8.60 min Scan# 1142
Delta R.T. -0.05 min
Lab File: BF094416.D
Acq: 14 Apr 2017 4:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion:172 Resp: 36921
Ion Ratio Lower Upper
172 100
171 37.3 29.6 44.4
170 23.4 19.8 29.8

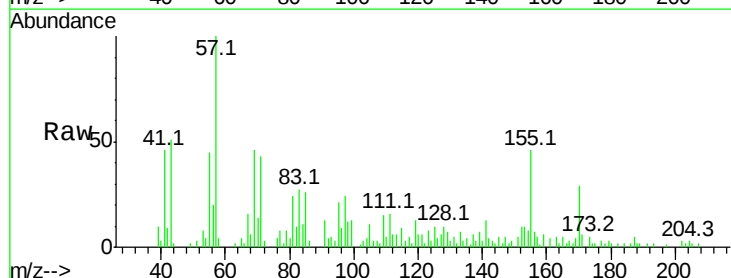


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

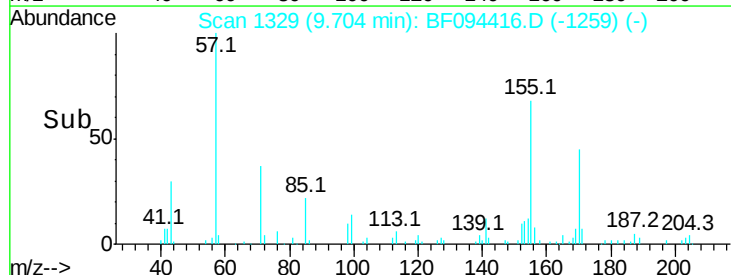
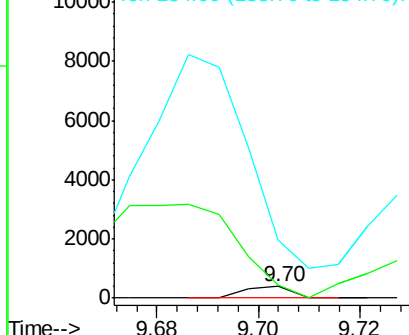


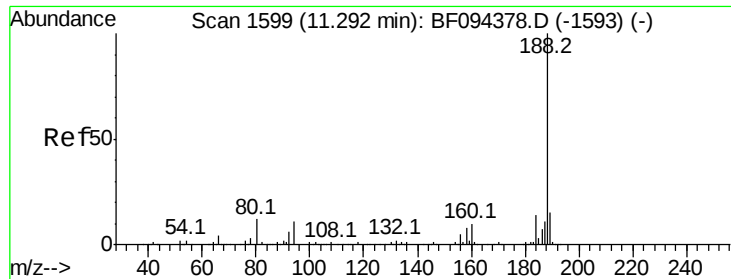
#53
2,4-Dinitrophenol
Concen: 4.78 ng
RT: 9.70 min Scan# 1329
Delta R.T. 0.11 min
Lab File: BF094416.D
Acq: 14 Apr 2017 4:03

Tgt Ion:184 Resp: 243
Ion Ratio Lower Upper
184 100
63 114.1 62.7 94.1#
154 505.5 81.1 121.7#



Abundance Ion 184.00 (183.70 to 184.70): E
Ion 63.00 (62.70 to 63.70): BF0
Ion 154.00 (153.70 to 154.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.25 min Scan# 1591

Delta R.T. -0.05 min

Lab File: BF094416.D

Acq: 14 Apr 2017 4:03

Instrument :

BNA_F

ClientSampleId :

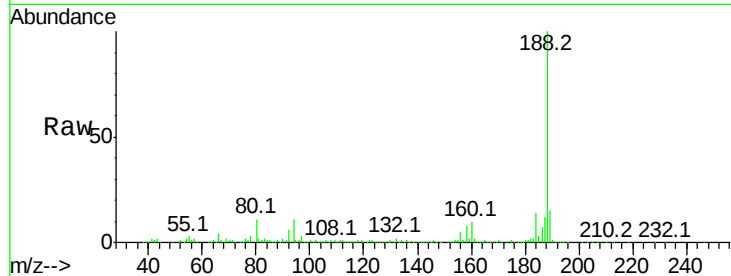
Tot Ion:188 Resp: 360797

Ion Ratio Lower Upper

188 100

94 10.7 9.4 14.2

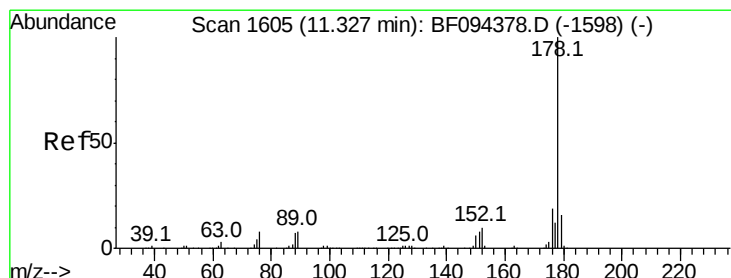
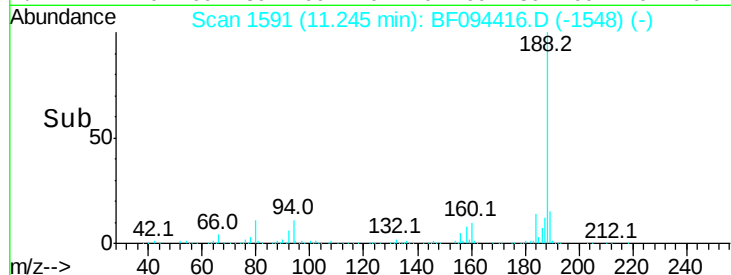
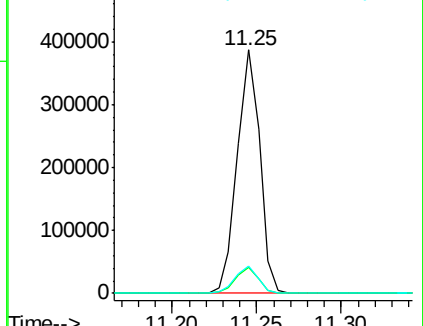
80 11.3 10.2 15.2



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: 4.79 ng

RT: 11.27 min Scan# 1596

Delta R.T. -0.05 min

Lab File: BF094416.D

Acq: 14 Apr 2017 4:03

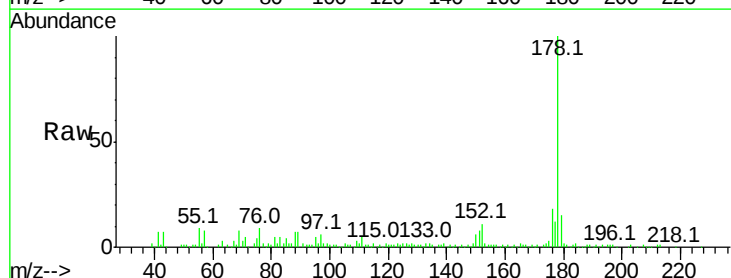
Tgt Ion:178 Resp: 96137

Ion Ratio Lower Upper

178 100

176 17.6 16.2 24.4

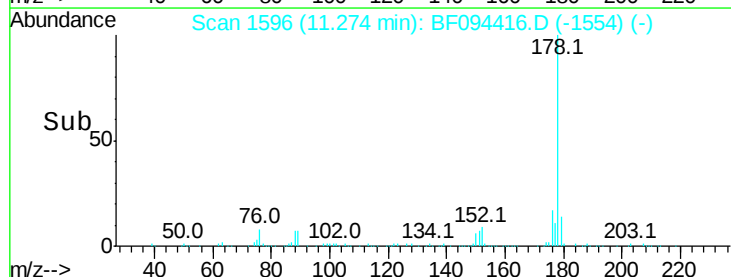
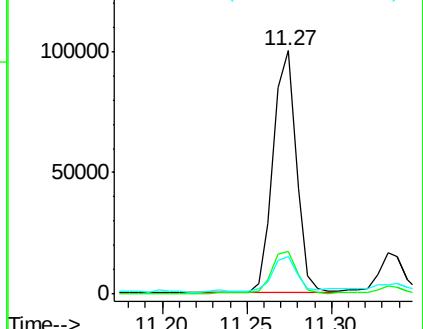
179 15.5 12.6 19.0

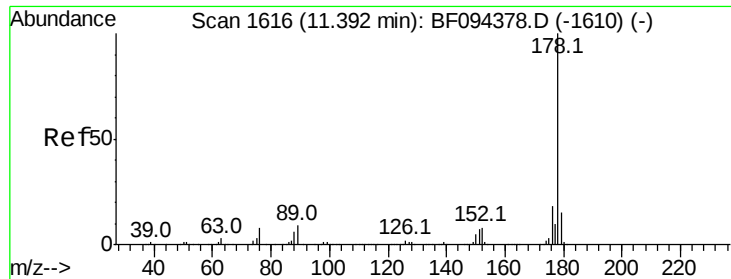


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

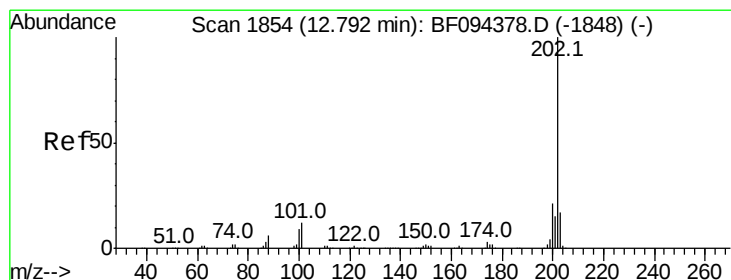
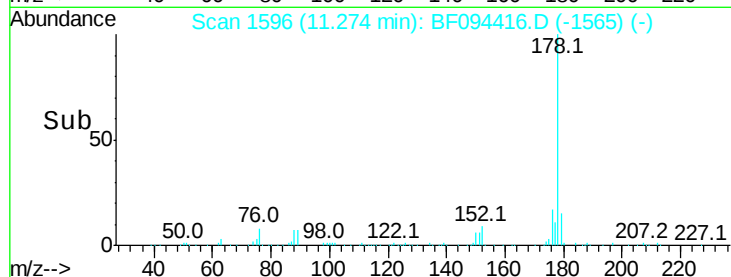
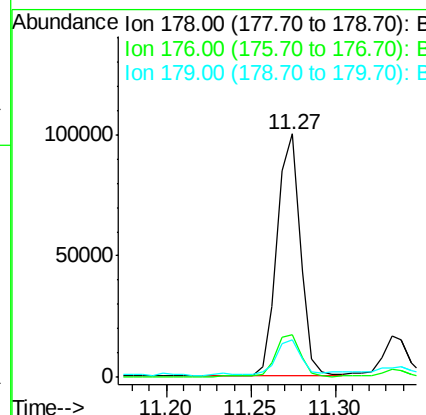
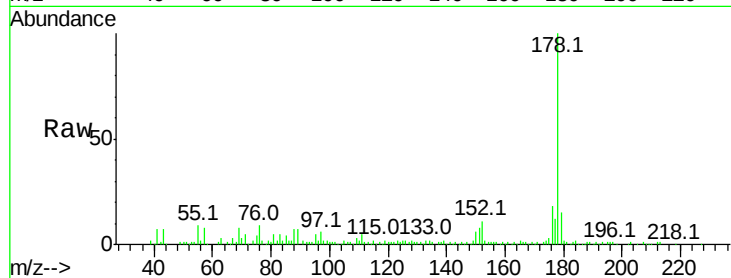




#71
 Anthracene
 Concen: 4.65 ng
 RT: 11.27 min Scan# 1596
 Delta R.T. -0.12 min
 Lab File: BF094416.D
 Acq: 14 Apr 2017 4:03

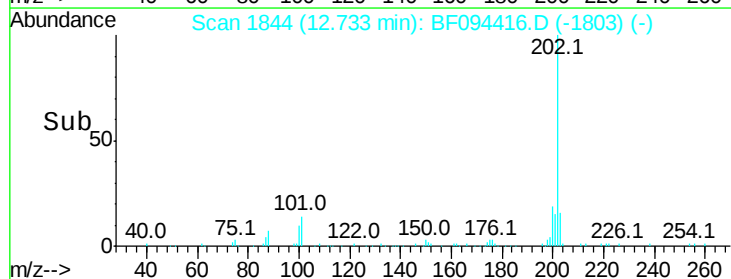
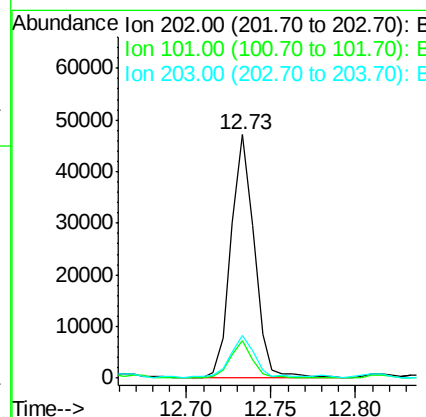
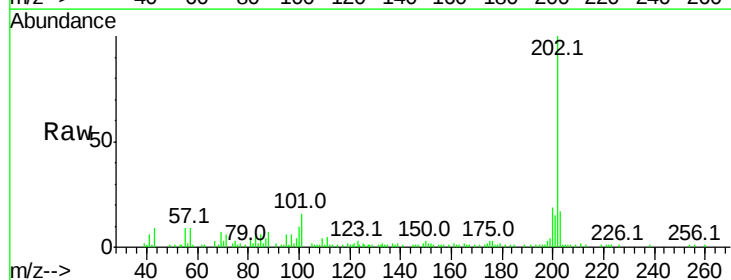
Instrument :
 BNA_F
 ClientSampleId :

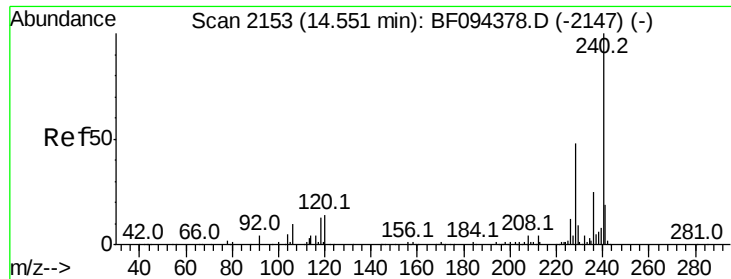
Tot Ion:178 Resp: 96137
 Ion Ratio Lower Upper
 178 100
 176 17.6 15.8 23.8
 179 15.5 12.7 19.1



#74
 Fluoranthene
 Concen: 2.21 ng
 RT: 12.73 min Scan# 1844
 Delta R.T. -0.06 min
 Lab File: BF094416.D
 Acq: 14 Apr 2017 4:03

Tgt Ion:202 Resp: 45448
 Ion Ratio Lower Upper
 202 100
 101 15.5 0.0 33.2
 203 17.4 0.0 38.1





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.49 min Scan# 2143

Delta R.T. -0.06 min

Lab File: BF094416.D

Acq: 14 Apr 2017 4:03

Instrument :

BNA_F

ClientSampleId :

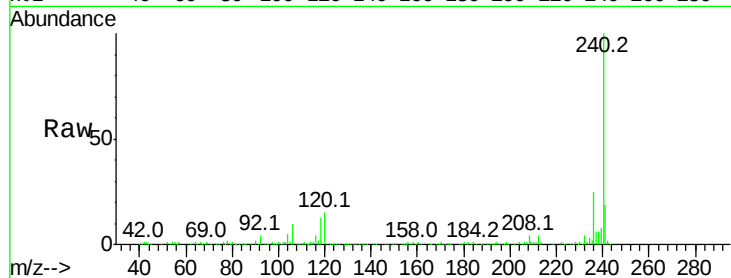
Tot Ion:240 Resp: 281462

Ion Ratio Lower Upper

240 100

120 14.8 5.8 8.8#

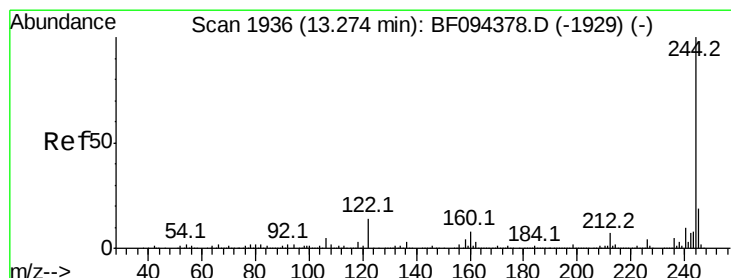
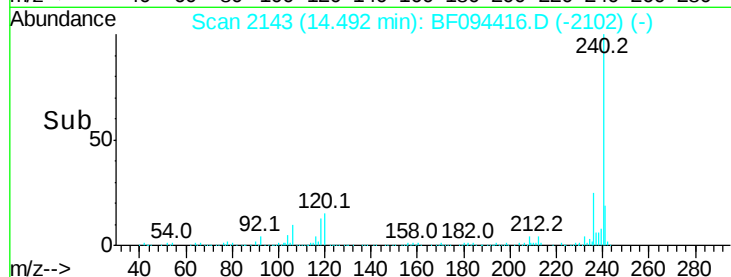
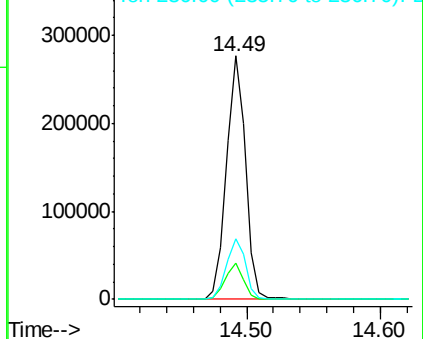
236 24.7 20.5 30.7



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



#78

Terphenyl-d14

Concen: 1.87 ng

RT: 13.22 min Scan# 1926

Delta R.T. -0.06 min

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Acq: 14 Apr 2017 4:03

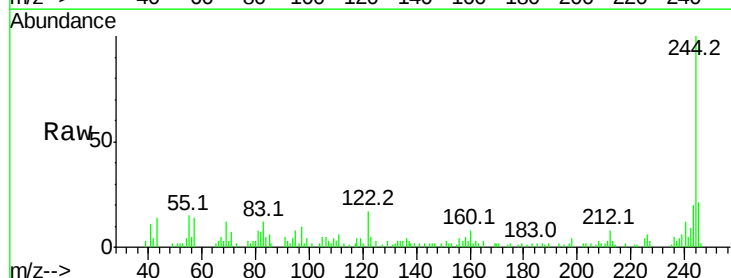
Tgt Ion:244 Resp: 23504

Ion Ratio Lower Upper

244 100

212 7.6 6.0 9.0

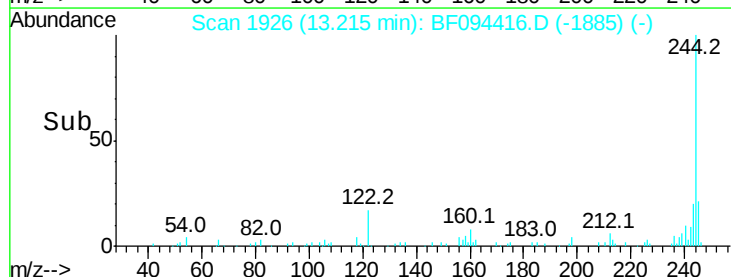
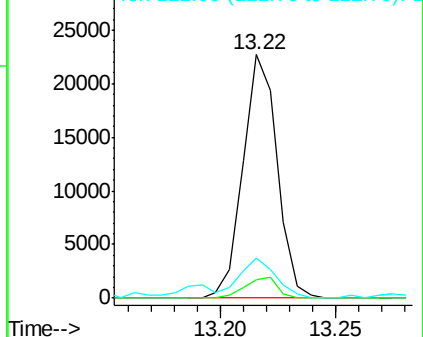
122 16.5 10.3 15.5#

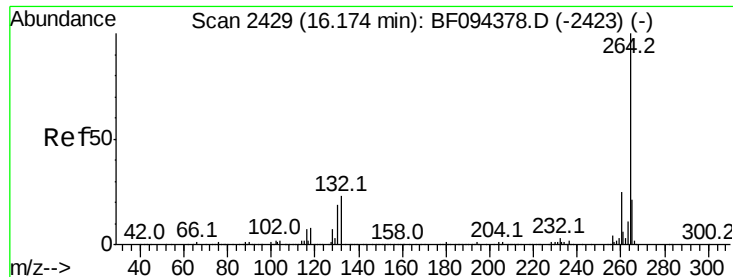


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#86
Pervlene-d12
Concen: 20.00 ng
RT: 16.12 min Scan# 2419
Delta R.T. -0.06 min
Lab File: BF094416.D
Acq: 14 Apr 2017 4:03

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.5	29.3
265	21.2	17.2	25.8

