

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011017\
 Data File : BF092178.D
 Acq On : 10 Jan 2017 13:33
 Operator : UM/SJ
 Sample : I1045-03RE 2X
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAP-SP1RE

Quant Time: Jan 10 15:44:13 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

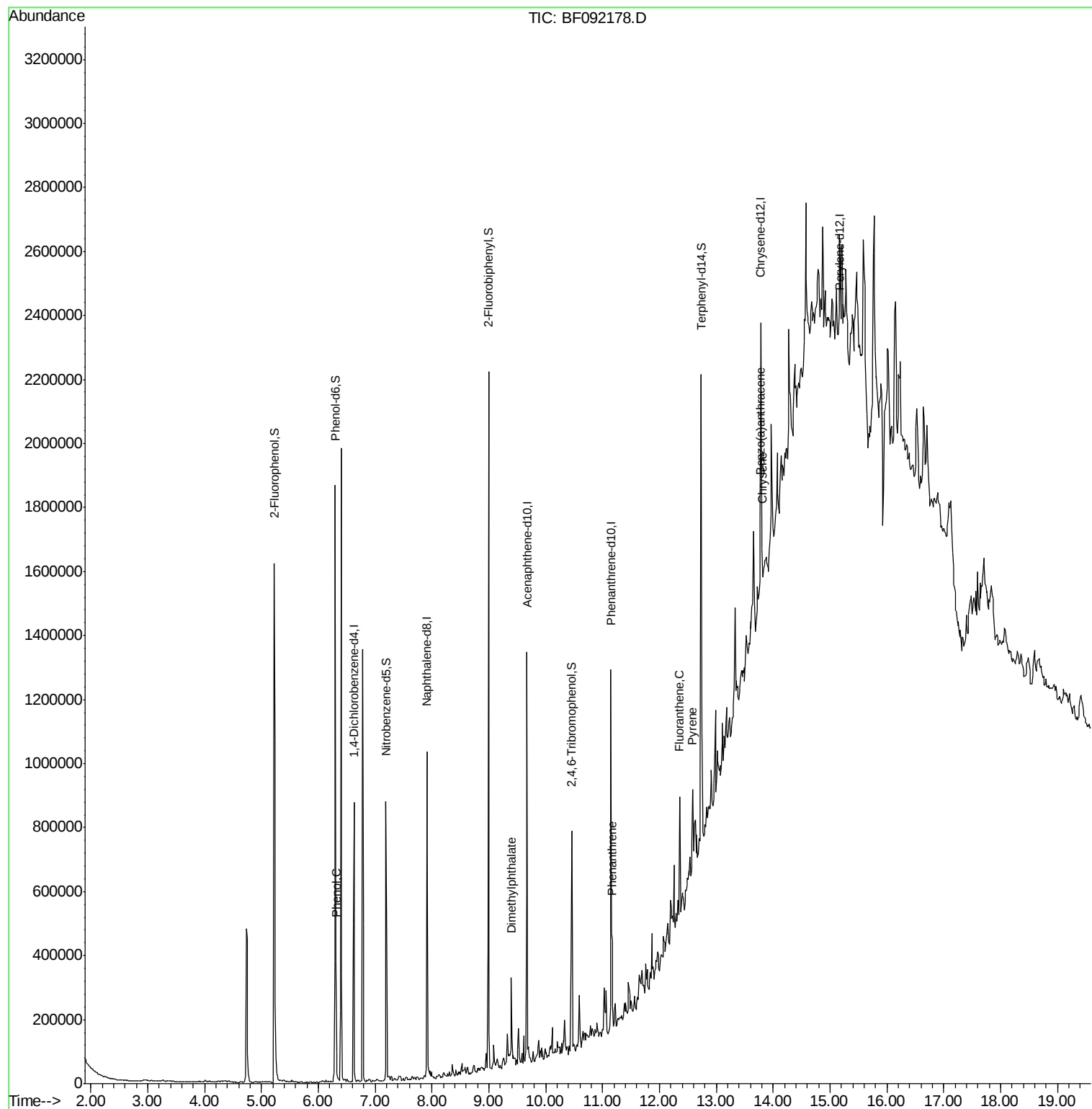
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	162777	20.00	ng	-0.01
21) Naphthalene-d8	7.91	136	611005	20.00	ng	-0.02
38) Acenaphthene-d10	9.67	164	298522	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	419999	20.00	ng	-0.01
75) Chrysene-d12	13.79	240	276938	20.00	ng	0.00
86) Perylene-d12	15.17	264	194919	20.00	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.22	112	644394	66.10	ng	-0.01
7) Phenol-d6	6.30	99	662598	55.67	ng	-0.01
23) Nitrobenzene-d5	7.19	82	353485	32.17	ng	-0.02
41) 2,4,6-Tribromophenol	10.46	330	89105	36.07	ng	-0.01
44) 2-Fluorobiphenyl	9.00	172	632735	35.99	ng	-0.01
78) Terphenyl-d14	12.73	244	478553	41.91	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.31	94	37552	2.77	ng	77
49) Dimethylphthalate	9.40	163	98371	5.15	ng	98
70) Phenanthrene	11.17	178	104161	4.57	ng	97
74) Fluoranthene	12.36	202	134717	3.19	ng	97
77) Pyrene	12.59	202	129793	6.39	ng	98
80) Benzo(a)anthracene	13.77	228	46418m	2.97	ng	
82) Chrysene	13.81	228	57479m	3.67	ng	

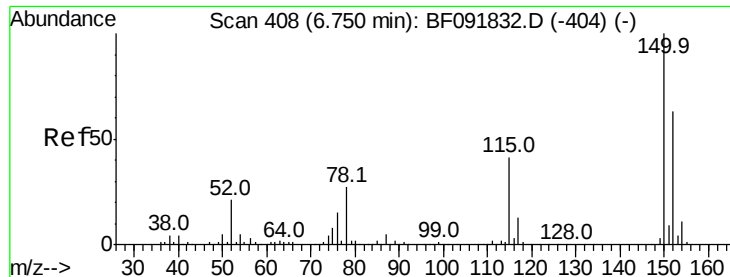
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Fri Jan 06 15:43:51 2017
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 415

Delta R.T. -0.01 min

Lab File: BF092178.D

Acq: 10 Jan 2017 13:33

Instrument :

BNA_F

ClientSampleId :

RAP-SP1RE

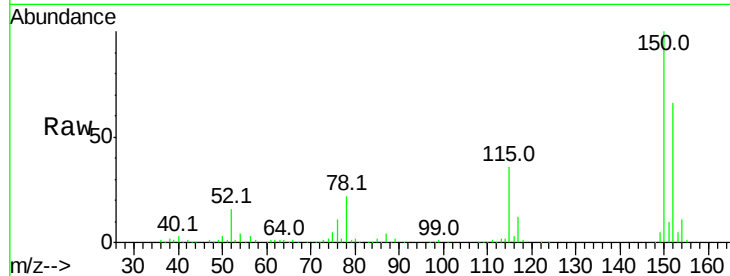
Tot Ion:152 Resp: 162777

Ion Ratio Lower Upper

152 100

150 152.2 124.9 187.3

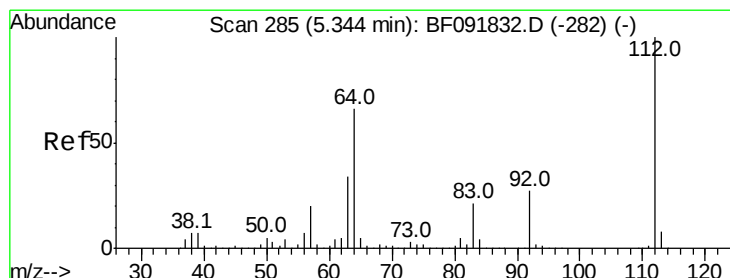
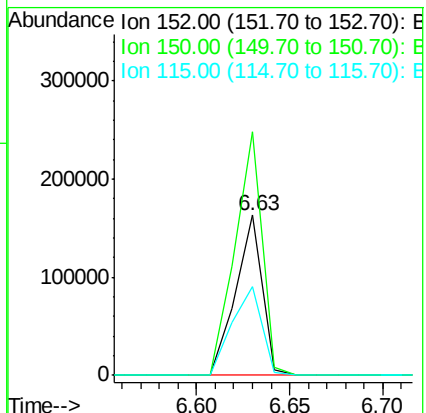
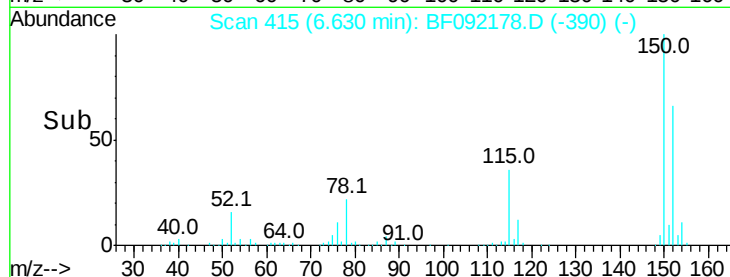
115 55.1 46.0 69.0



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: 66.10 ng

RT: 5.22 min Scan# 292

Delta R.T. -0.01 min

Lab File: BF092178.D

Acq: 10 Jan 2017 13:33

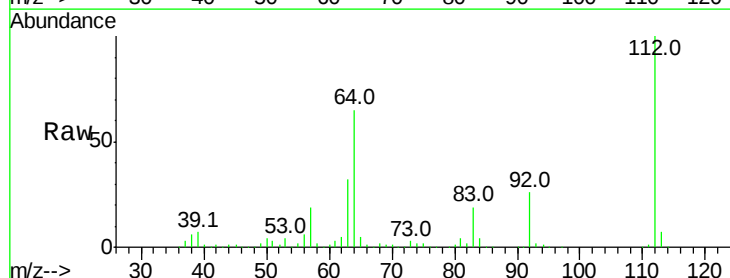
Tgt Ion:112 Resp: 644394

Ion Ratio Lower Upper

112 100

64 65.0 46.1 69.1

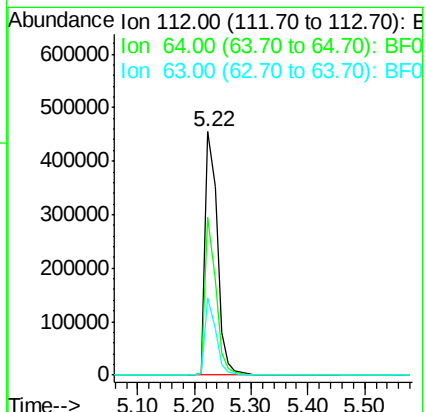
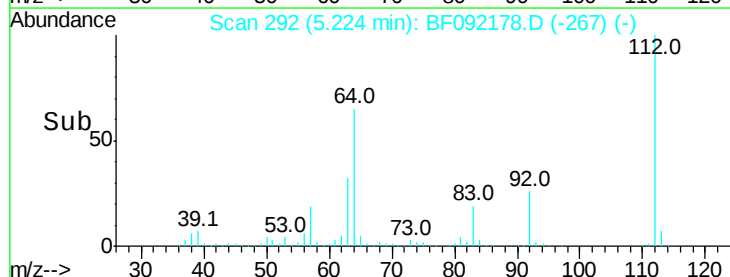
63 31.7 23.8 35.6

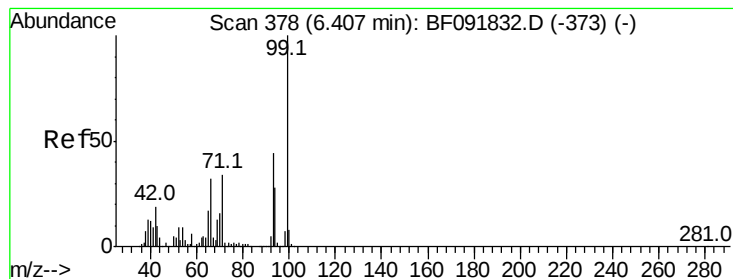


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 55.67 ng

RT: 6.30 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF092178.D

Acq: 10 Jan 2017 13:33

Instrument :

BNA_F

ClientSampleId :

RAP-SP1RE

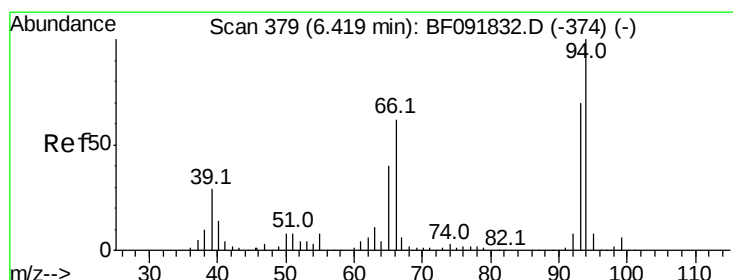
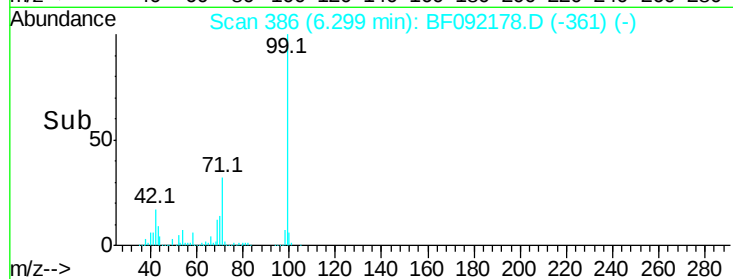
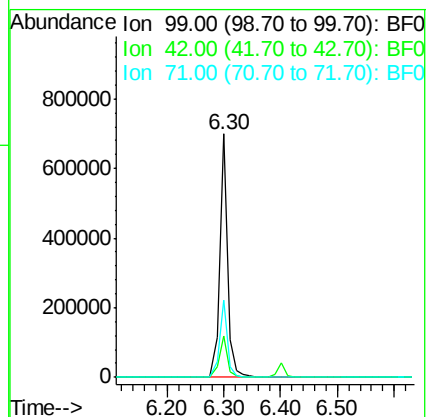
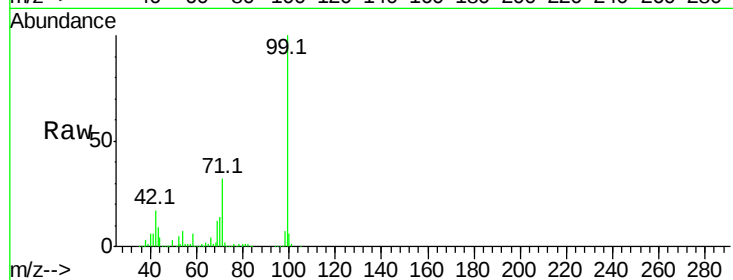
Tot Ion: 99 Resp: 662598

Ion Ratio Lower Upper

99 100

42 16.8 15.6 23.4

71 31.6 27.5 41.3



#10

Phenol

Concen: 2.77 ng

RT: 6.31 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF092178.D

Acq: 10 Jan 2017 13:33

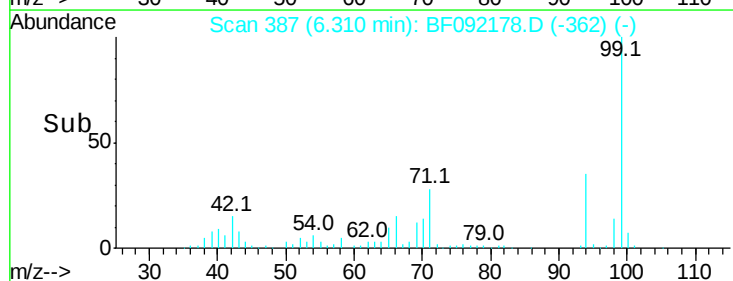
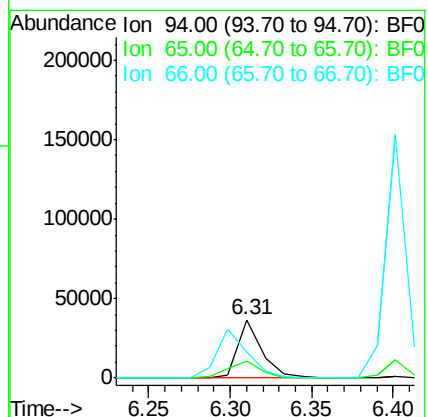
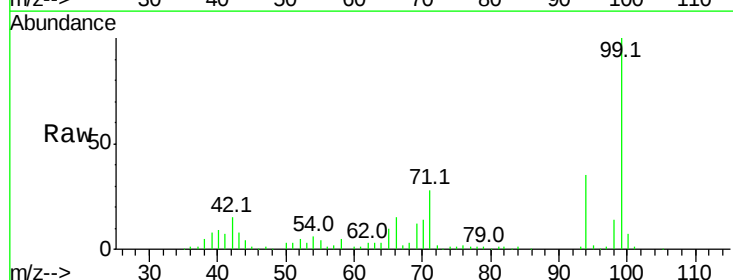
Tgt Ion: 94 Resp: 37552

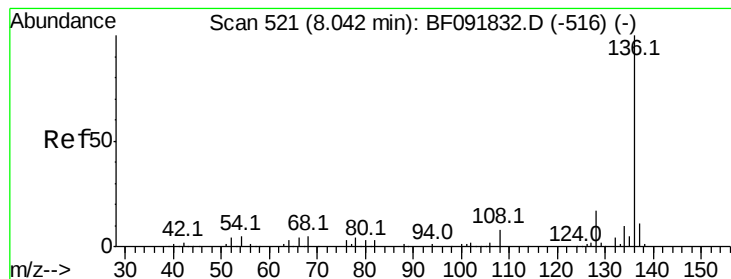
Ion Ratio Lower Upper

94 100

65 29.6 21.4 61.4

66 44.3 44.0 84.0

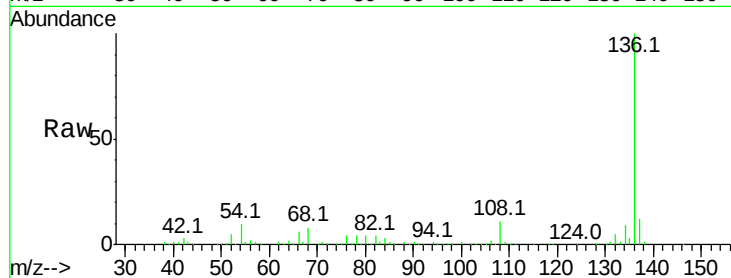




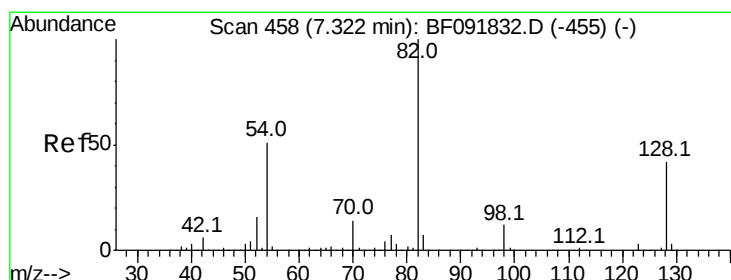
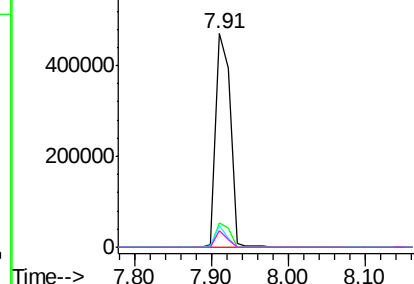
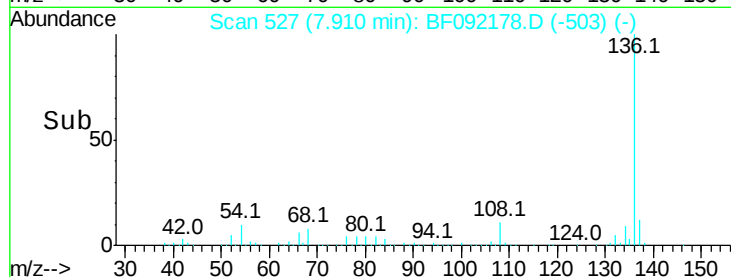
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.91 min Scan# 527
Delta R.T. -0.02 min
Lab File: BF092178.D
Acq: 10 Jan 2017 13:33

Instrument :
BNA_F
ClientSampleId :
RAP-SP1RE

Tot Ion:136	Resp:	611005
Ion	Ratio	Lower Upper
136	100	
137	11.5	8.4 12.6
54	10.0	4.5 6.7#
68	7.6	3.6 5.4#

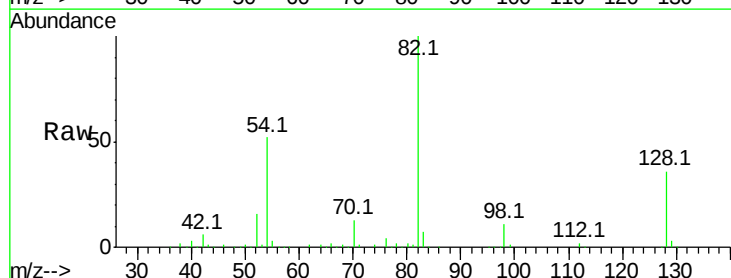


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

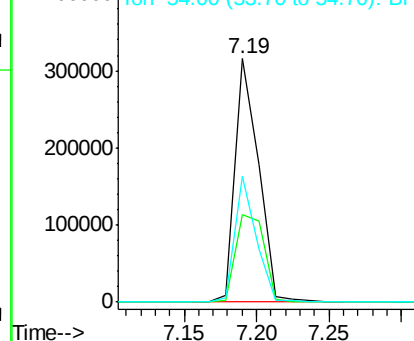
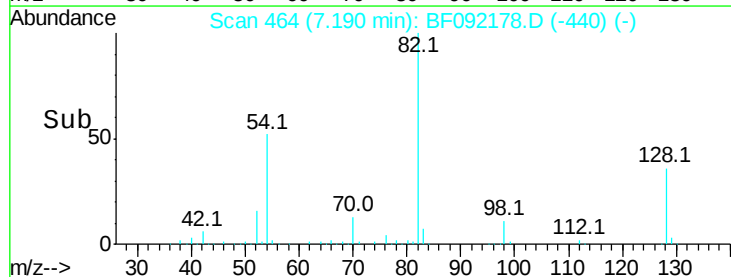


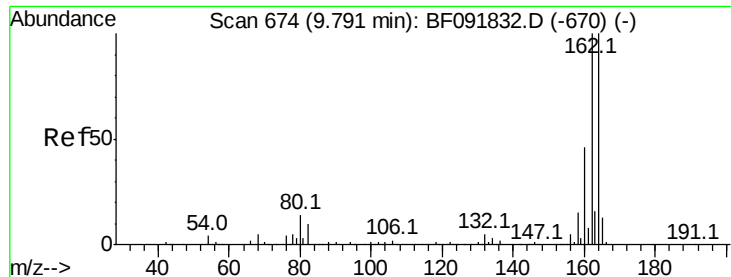
#23
Nitrobenzene-d5
Concen: 32.17 ng
RT: 7.19 min Scan# 464
Delta R.T. -0.02 min
Lab File: BF092178.D
Acq: 10 Jan 2017 13:33

Tgt Ion: 82	Resp:	353485
Ion	Ratio	Lower Upper
82	100	
128	35.9	34.6 52.0
54	51.9	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





#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.67 min Scan# 681

Delta R.T. -0.01 min

Lab File: BF092178.D

Acq: 10 Jan 2017 13:33

Instrument :

BNA_F

ClientSampleId :

RAP-SP1RE

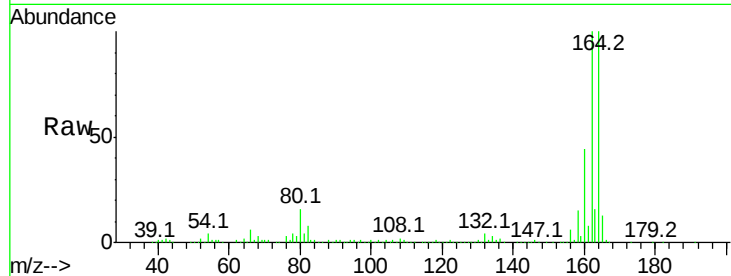
Tot Ion:164 Resp: 298522

Ion Ratio Lower Upper

164 100

162 99.6 80.2 120.2

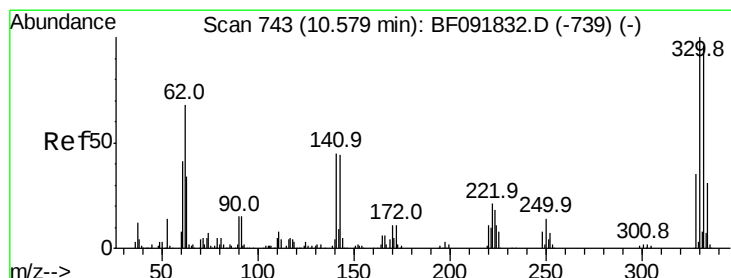
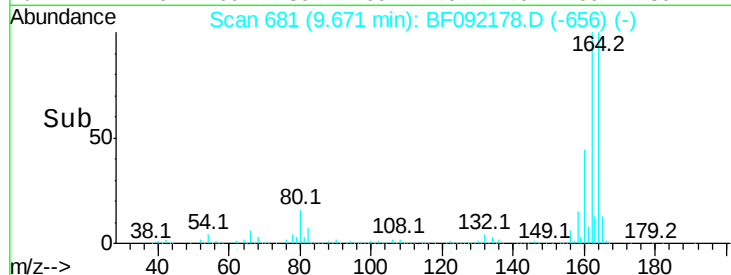
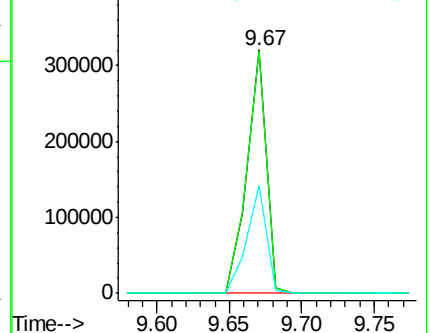
160 44.3 36.9 55.3



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: 36.07 ng

RT: 10.46 min Scan# 750

Delta R.T. -0.01 min

Lab File: BF092178.D

Acq: 10 Jan 2017 13:33

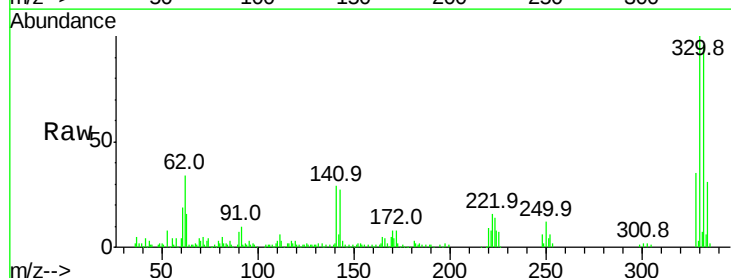
Tgt Ion:330 Resp: 89105

Ion Ratio Lower Upper

330 100

332 96.8 77.4 116.2

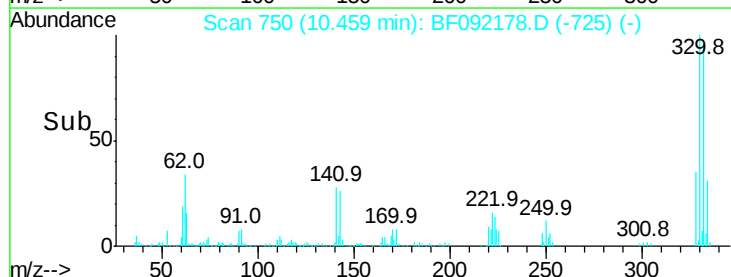
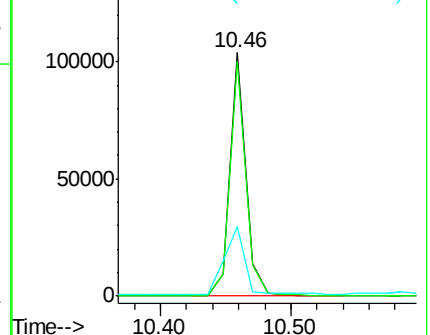
141 36.7 34.1 51.1



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

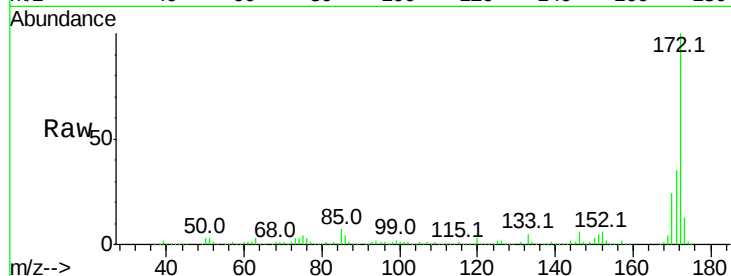




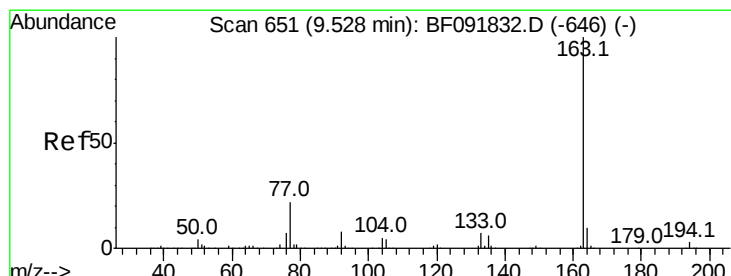
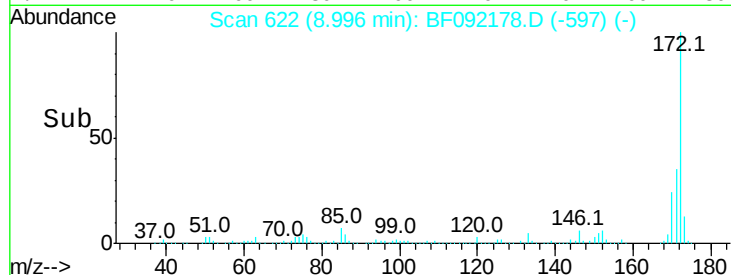
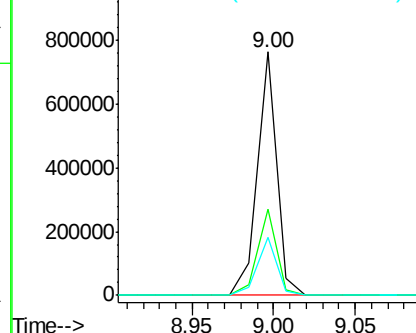
#44
2-Fluorobiphenyl
Concen: 35.99 ng
RT: 9.00 min Scan# 622
Delta R.T. -0.01 min
Lab File: BF092178.D
Acq: 10 Jan 2017 13:33

Instrument :
BNA_F
ClientSampleId :
RAP-SP1RE

Tot Ion	Ratio	Lower	Upper
172	100		
171	35.3	29.4	44.0
170	23.8	20.2	30.4

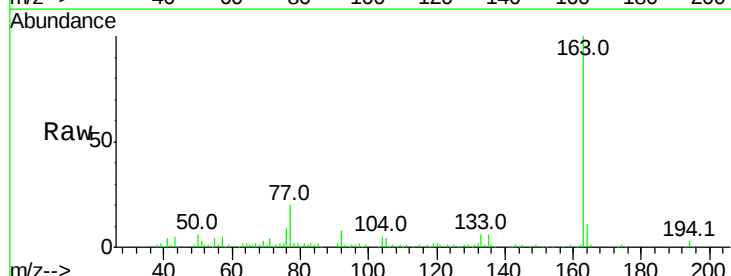


Abundance Ion 172.00 (171.70 to 172.70): E
Ion 171.00 (170.70 to 171.70): E
Ion 170.00 (169.70 to 170.70): E

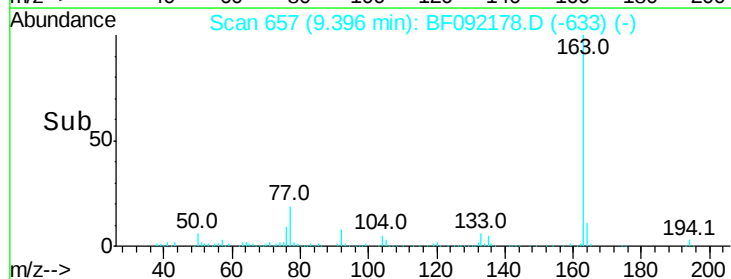
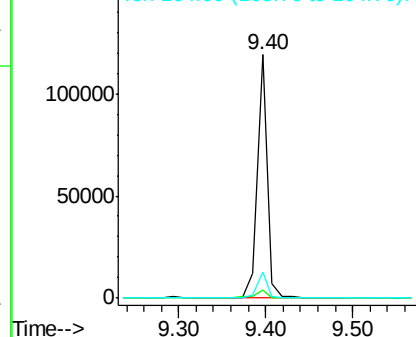


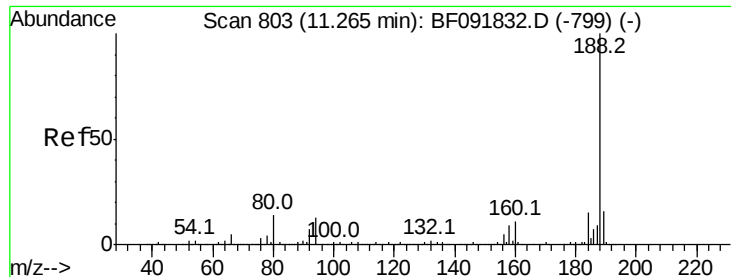
#49
Dimethylphthalate
Concen: 5.15 ng
RT: 9.40 min Scan# 657
Delta R.T. -0.02 min
Lab File: BF092178.D
Acq: 10 Jan 2017 13:33

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.3	3.0	4.4
164	10.6	8.0	12.0



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

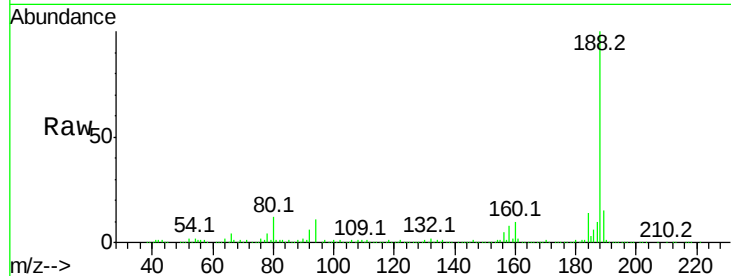




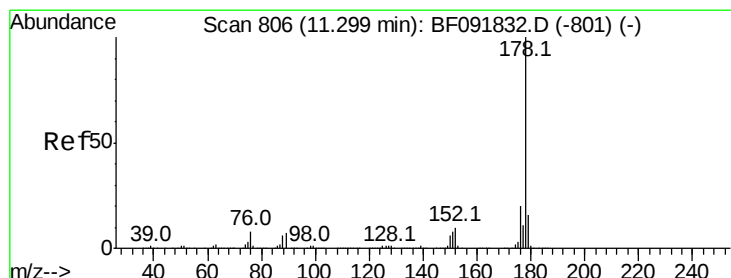
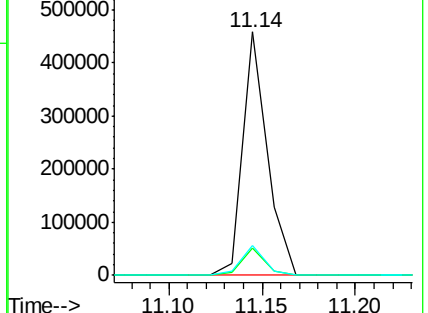
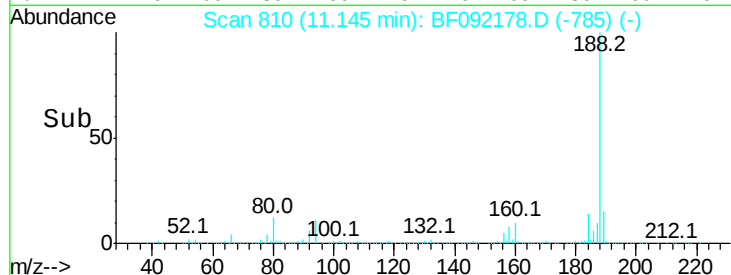
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 810
Delta R.T. -0.01 min
Lab File: BF092178.D
Acq: 10 Jan 2017 13:33

Instrument :
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Tot Ion:188 Resp: 419999
Ion Ratio Lower Upper
188 100
94 11.1 10.0 15.0
80 12.4 11.2 16.8

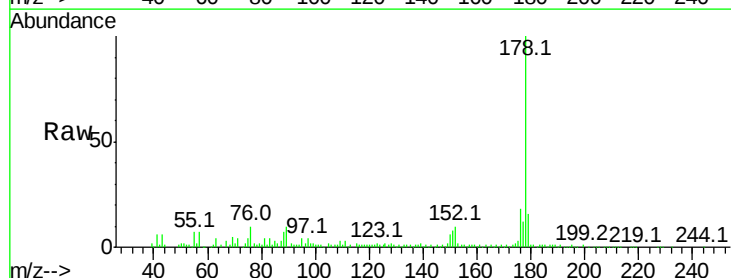


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

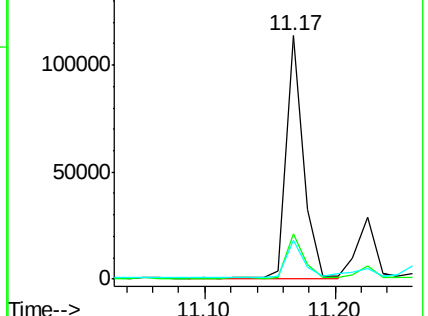
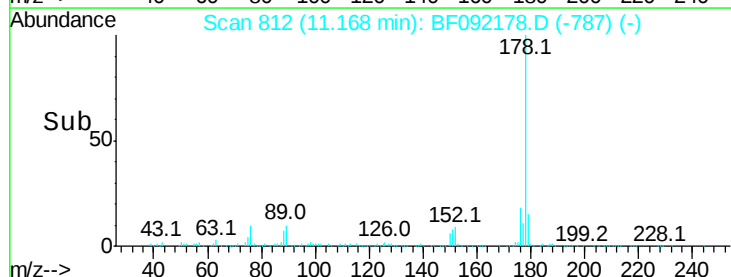


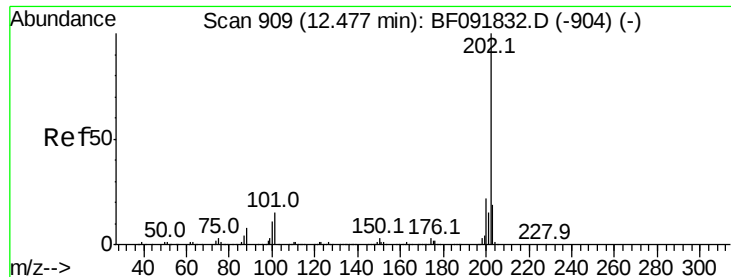
#70
Phenanthrene
Concen: 4.57 ng
RT: 11.17 min Scan# 812
Delta R.T. -0.01 min
Lab File: BF092178.D
Acq: 10 Jan 2017 13:33

Tgt Ion:178 Resp: 104161
Ion Ratio Lower Upper
178 100
176 18.4 16.6 25.0
179 15.8 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





#74

Fluoranthene

Concen: 3.19 ng

RT: 12.36 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF092178.D

Acq: 10 Jan 2017 13:33

Instrument :

BNA_F

ClientSampleId :

RAP-SP1RE

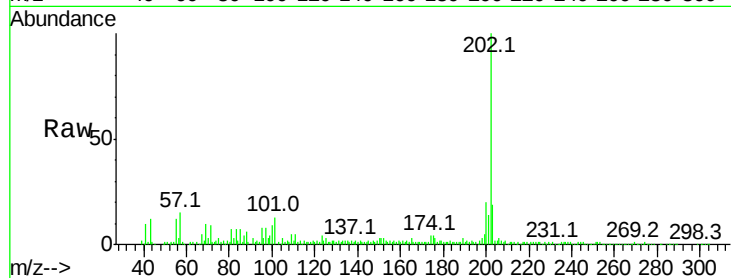
Tot Ion:202 Resp: 134717

Ion Ratio Lower Upper

202 100

101 12.6 0.0 34.6

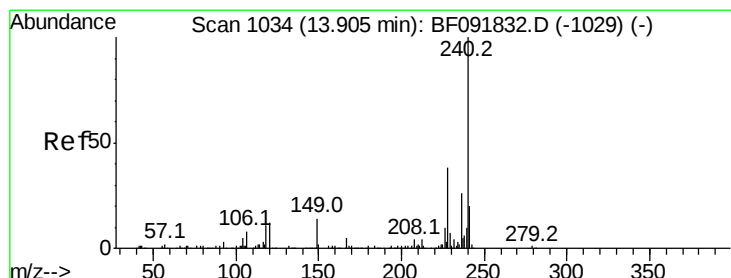
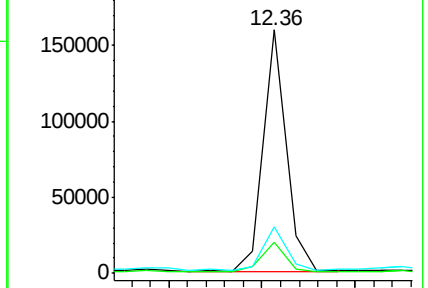
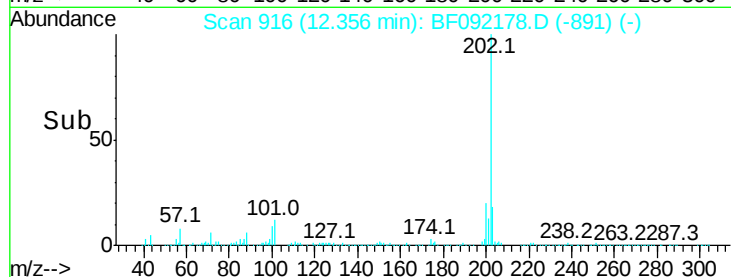
203 19.3 0.0 38.7



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: 13.79 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF092178.D

Acq: 10 Jan 2017 13:33

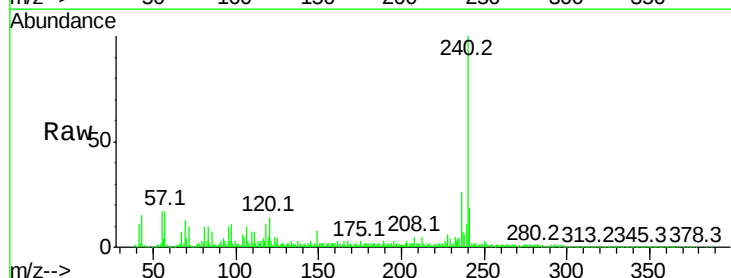
Tgt Ion:240 Resp: 276938

Ion Ratio Lower Upper

240 100

120 13.6 12.9 19.3

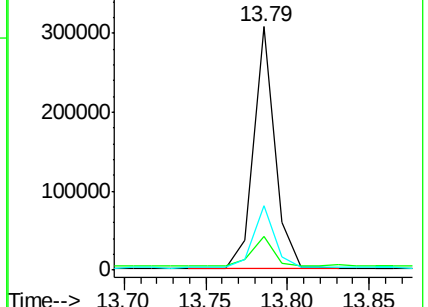
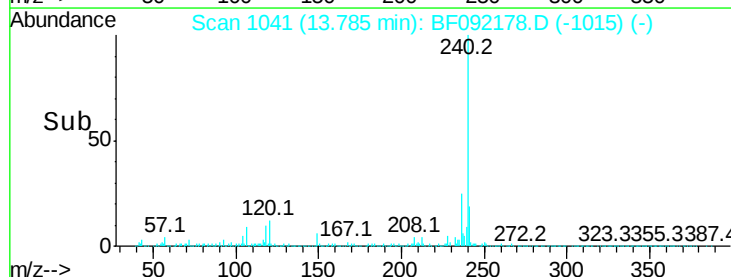
236 26.2 20.9 31.3

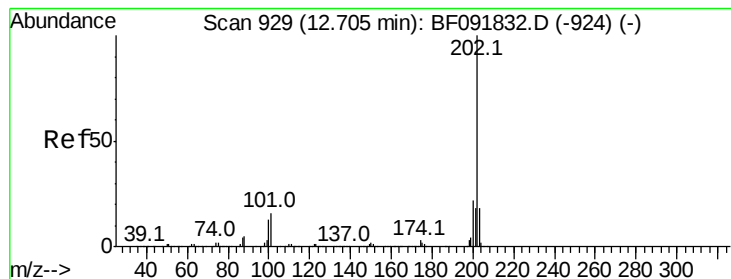


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 6.39 ng

RT: 12.59 min Scan# 936

Delta R.T. 0.00 min

Lab File: BF092178.D

Acq: 10 Jan 2017 13:33

Instrument :

BNA_F

ClientSampleId :

RAP-SP1RE

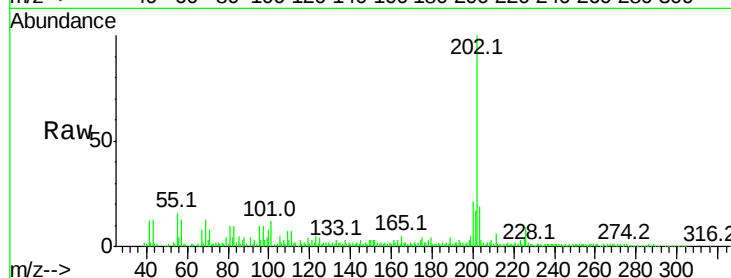
Tot Ion:202 Resp: 129793

Ion Ratio Lower Upper

202 100

200 21.1 17.7 26.5

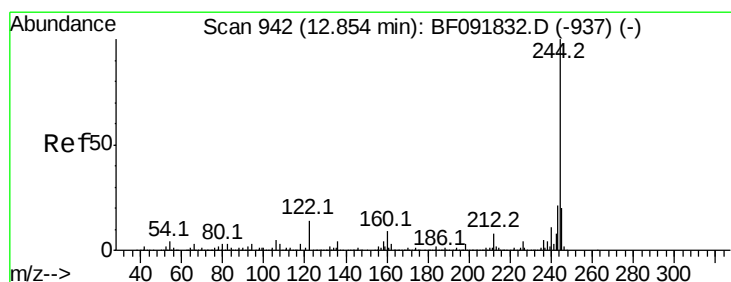
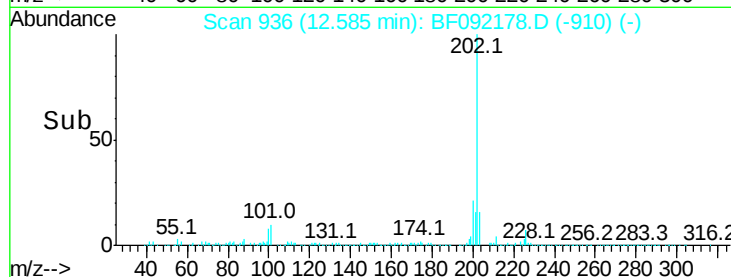
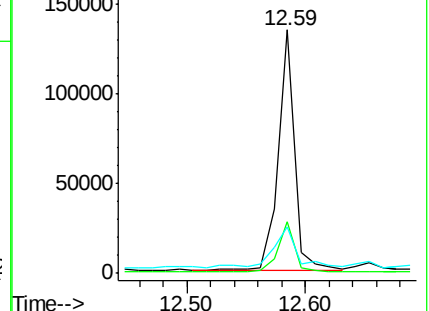
203 18.9 14.7 22.1



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: 41.91 ng

RT: 12.73 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF092178.D

Acq: 10 Jan 2017 13:33

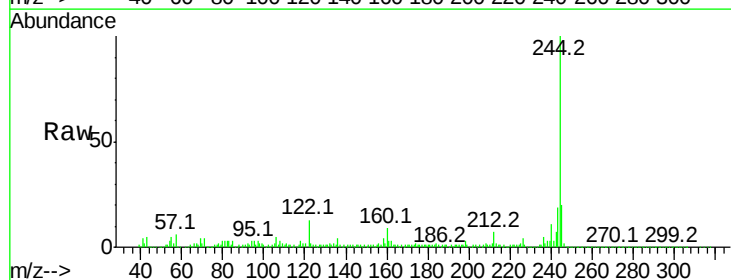
Tgt Ion:244 Resp: 478553

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

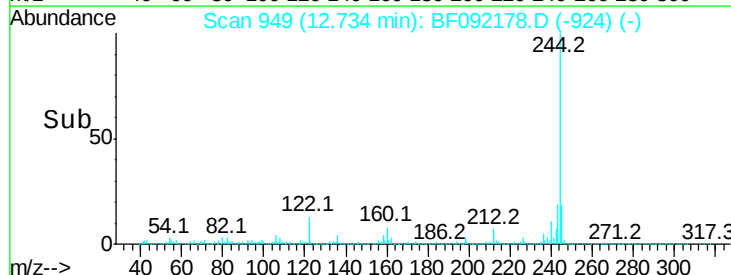
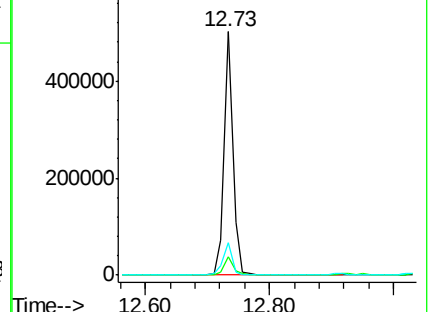
122 13.2 11.4 17.2

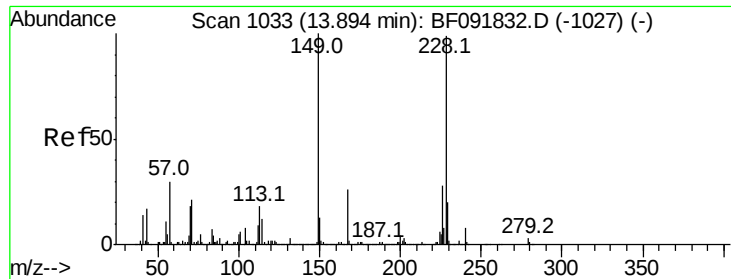


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 2.97 ng m

RT: 13.77 min Scan# 1040

Delta R.T. 0.00 min

Lab File: BF092178.D

Acq: 10 Jan 2017 13:33

Instrument :

BNA_F

ClientSampleId :

RAP-SP1RE

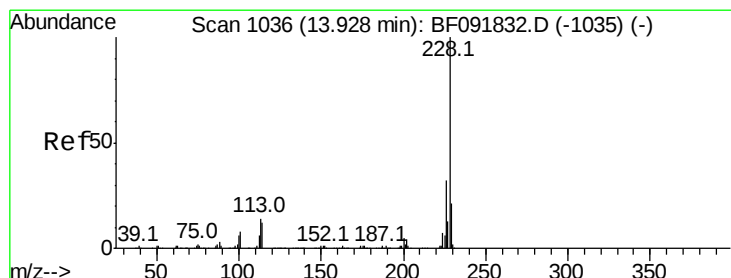
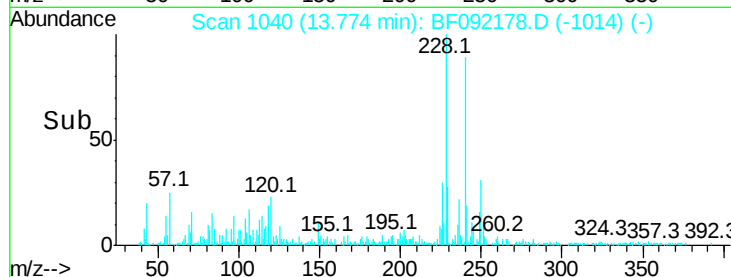
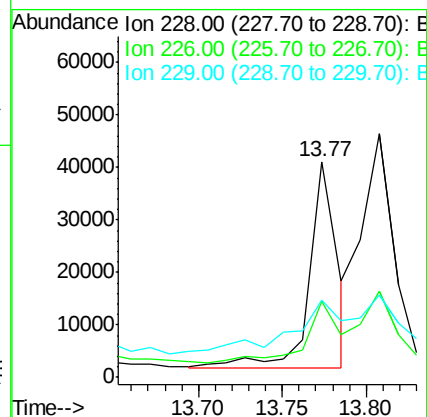
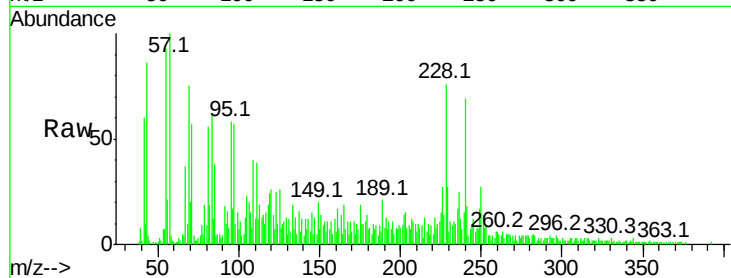
Tot Ion:228 Resp: 46418

Ion Ratio Lower Upper

228 100

226 35.4 22.4 33.6#

229 35.8 16.2 24.4#



#82

Chrysene

Concen: 3.67 ng m

RT: 13.81 min Scan# 1043

Delta R.T. 0.00 min

Lab File: BF092178.D

Acq: 10 Jan 2017 13:33

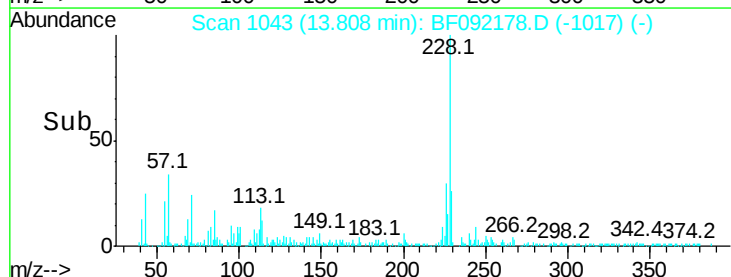
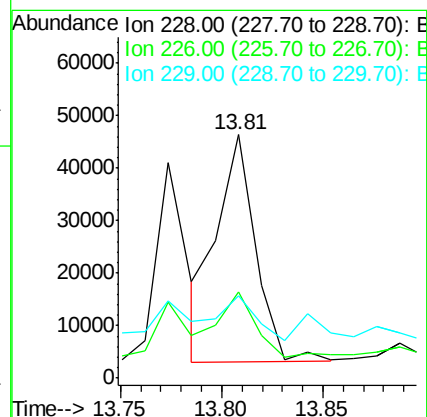
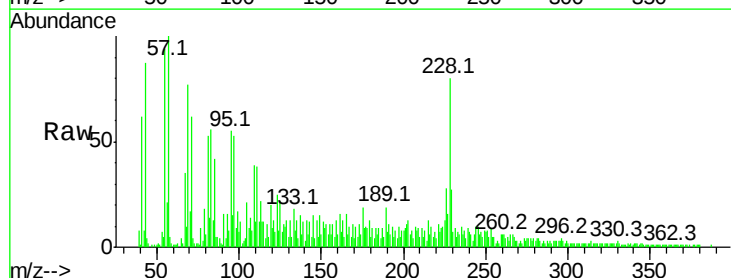
Tgt Ion:228 Resp: 57479

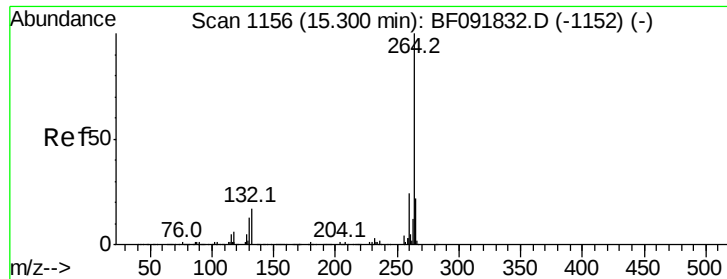
Ion Ratio Lower Upper

228 100

226 35.5 25.4 38.0

229 33.8 16.2 24.2#





#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.17 min Scan# 1162
Delta R.T. 0.02 min
Lab File: BF092178.D
Acq: 10 Jan 2017 13:33

Instrument :
BNA_F
ClientSampleId :
RAP-SP1RE

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.3	19.2	28.8
265	25.2	17.4	26.0

