

Data Path : Z:\HPCHEM1\BNA F\DATA\BF011017\
 Data File : BF092179.D
 Acq On : 10 Jan 2017 14:00
 Operator : UM/SJ
 Sample : I1045-04RE
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAP-SP2RE

Quant Time: Jan 10 15:43:33 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

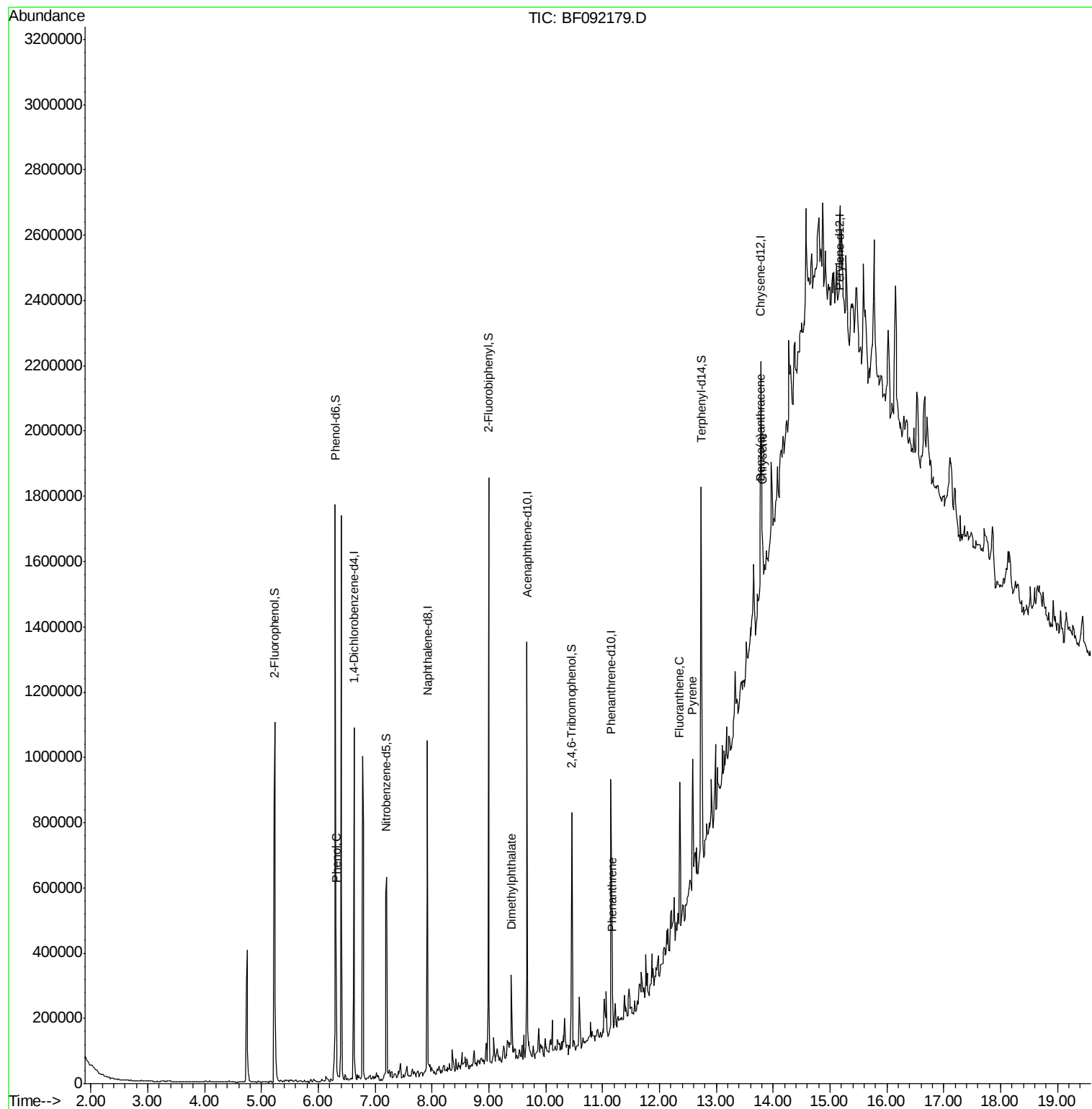
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.63	152	164680	20.00	ng	-0.01
21) Naphthalene-d8	7.92	136	555018	20.00	ng	-0.01
38) Acenaphthene-d10	9.67	164	252810	20.00	ng	-0.01
63) Phenanthrene-d10	11.14	188	364560	20.00	ng	-0.01
75) Chrysene-d12	13.79	240	243539	20.00	ng	0.00
86) Perylene-d12	15.18	264	167309	20.00	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.24	112	470210	47.68	ng	0.00
7) Phenol-d6	6.30	99	612853	50.90	ng	-0.01
23) Nitrobenzene-d5	7.20	82	310672	31.13	ng	-0.01
41) 2,4,6-Tribromophenol	10.46	330	81256	38.84	ng	-0.01
44) 2-Fluorobiphenyl	9.00	172	516151	34.11	ng	-0.01
78) Terphenyl-d14	12.73	244	400577	39.89	ng	-0.01
Target Compounds						Qvalue
10) Phenol	6.31	94	34977	2.55	ng	86
49) Dimethylphthalate	9.40	163	87750	5.43	ng	100
70) Phenanthrene	11.17	178	78498	3.97	ng	96
74) Fluoranthene	12.36	202	189428	7.76	ng	100
77) Pyrene	12.58	202	177704	9.95	ng	98
80) Benzo(a)anthracene	13.77	228	102057	7.42	ng	# 88
82) Chrysene	13.81	228	81674m	5.92	ng	

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

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.63 min Scan# 415

Delta R.T. -0.01 min

Lab File: BF092179.D

Acq: 10 Jan 2017 14:00

Instrument :

BNA_F

ClientSampleId :

RAP-SP2RE

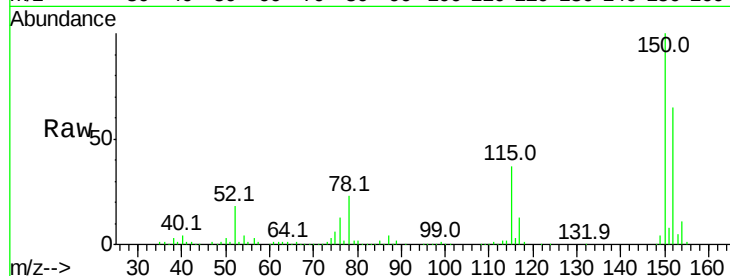
Tot Ion:152 Resp: 164680

Ion Ratio Lower Upper

152 100

150 153.8 124.9 187.3

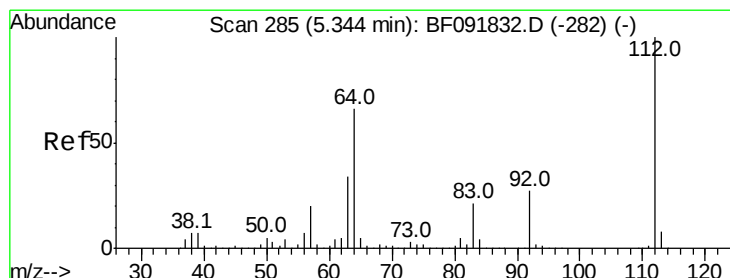
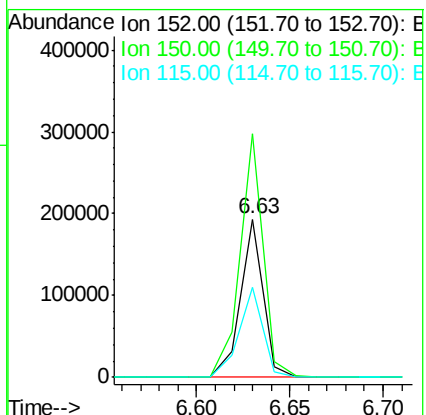
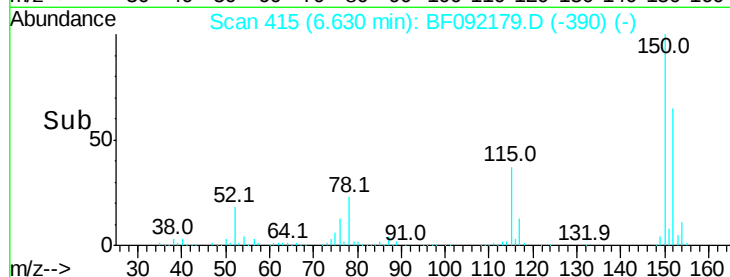
115 57.1 46.0 69.0



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: 47.68 ng

RT: 5.24 min Scan# 293

Delta R.T. 0.00 min

Lab File: BF092179.D

Acq: 10 Jan 2017 14:00

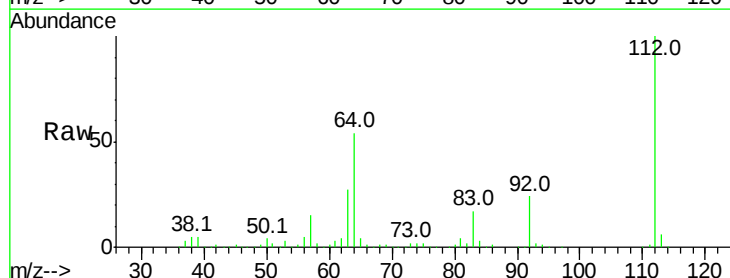
Tgt Ion:112 Resp: 470210

Ion Ratio Lower Upper

112 100

64 53.8 46.1 69.1

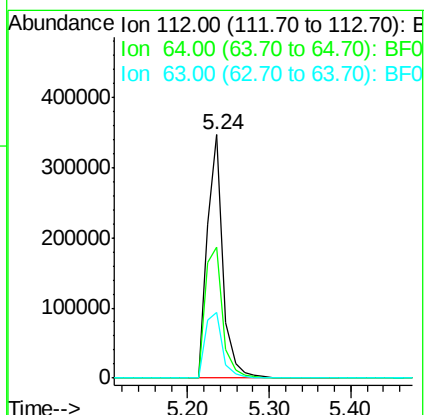
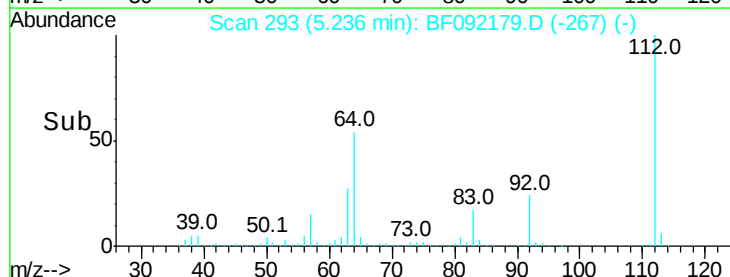
63 26.9 23.8 35.6



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: 50.90 ng

RT: 6.30 min Scan# 386

Delta R.T. -0.01 min

Lab File: BF092179.D

Acq: 10 Jan 2017 14:00

Instrument :

BNA_F

ClientSampleId :

RAP-SP2RE

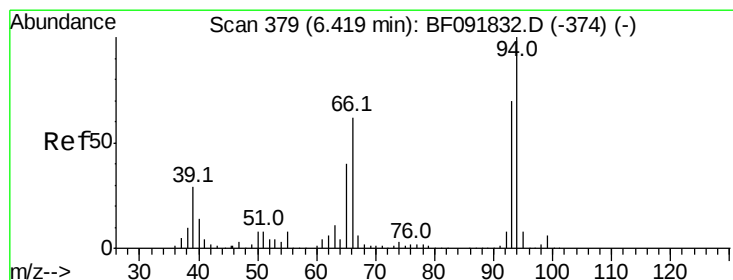
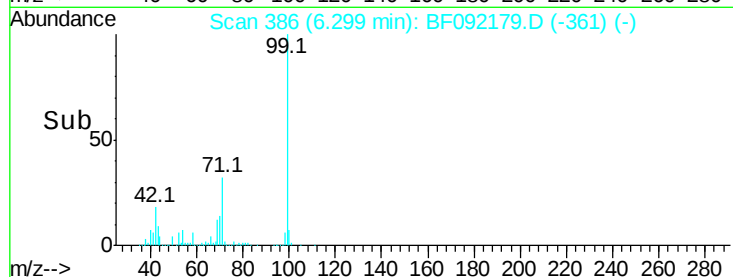
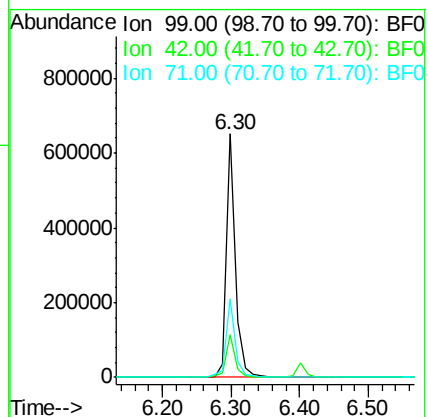
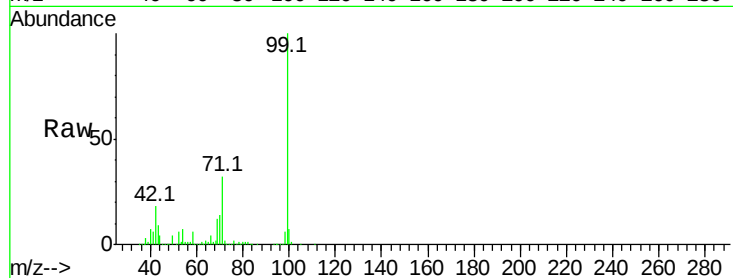
Tot Ion: 99 Resp: 612853

Ion Ratio Lower Upper

99 100

42 17.8 15.6 23.4

71 32.4 27.5 41.3



#10

Phenol

Concen: 2.55 ng

RT: 6.31 min Scan# 387

Delta R.T. -0.01 min

Lab File: BF092179.D

Acq: 10 Jan 2017 14:00

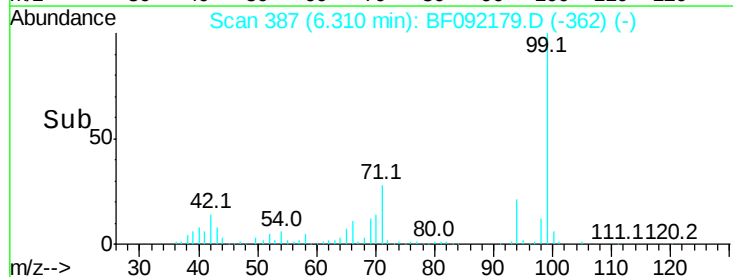
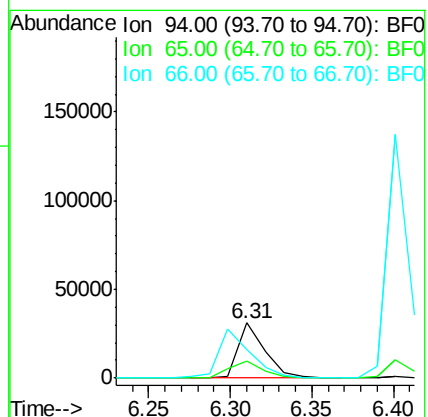
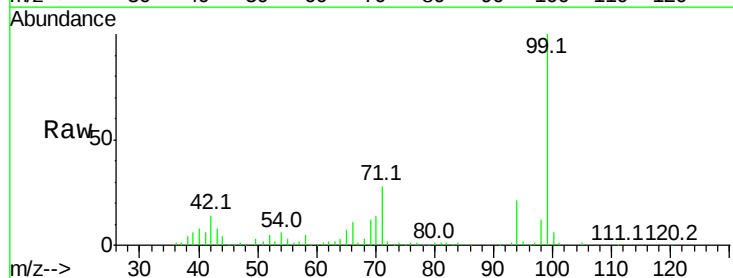
Tgt Ion: 94 Resp: 34977

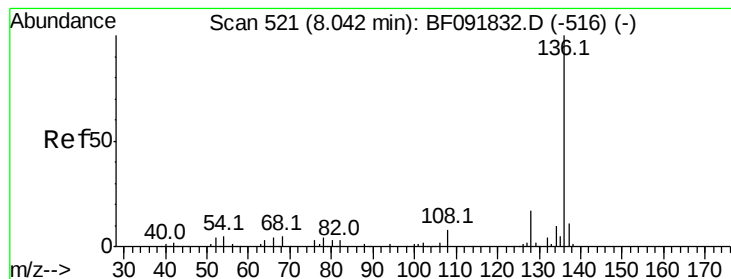
Ion Ratio Lower Upper

94 100

65 32.2 21.4 61.4

66 53.1 44.0 84.0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.92 min Scan# 528

Delta R.T. -0.01 min

Lab File: BF092179.D

Acq: 10 Jan 2017 14:00

Instrument :

BNA_F

ClientSampleId :

RAP-SP2RE

Tot Ion:136 Resp: 555018

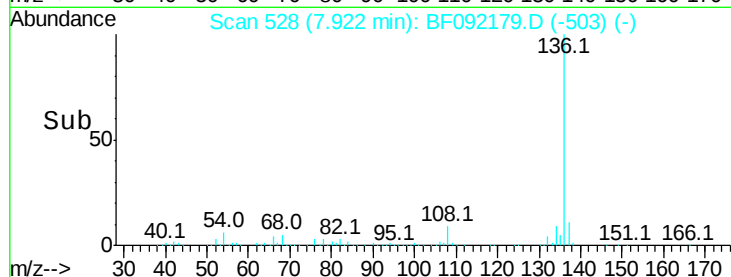
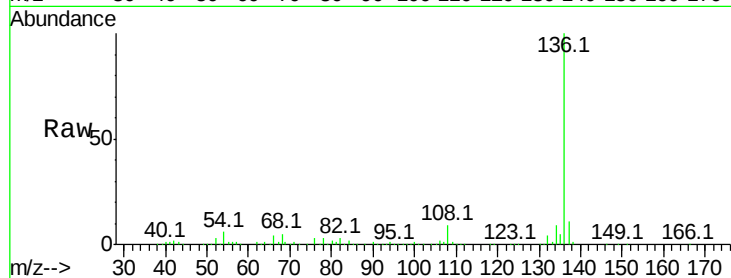
Ion Ratio Lower Upper

136 100

137 10.8 8.4 12.6

54 5.6 4.5 6.7

68 4.8 3.6 5.4

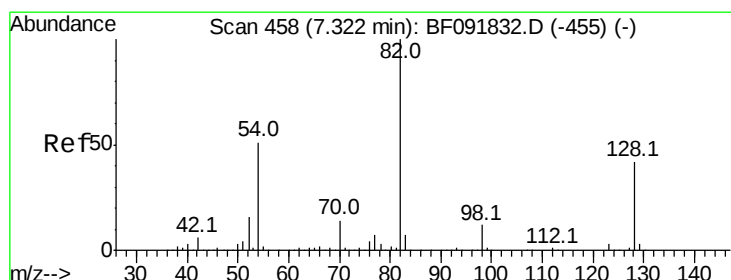
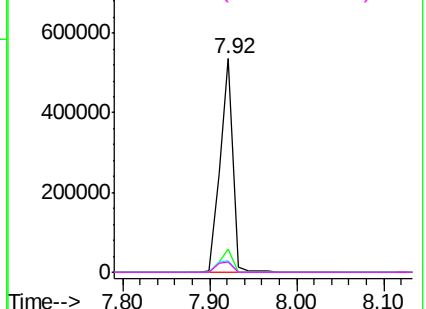


Abundance Ion 136.00 (135.70 to 136.70): E

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: 31.13 ng

RT: 7.20 min Scan# 465

Delta R.T. -0.01 min

Lab File: BF092179.D

Acq: 10 Jan 2017 14:00

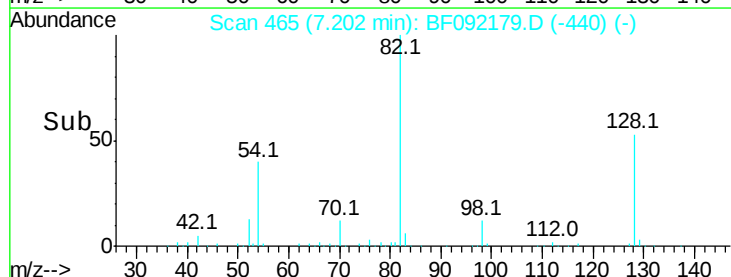
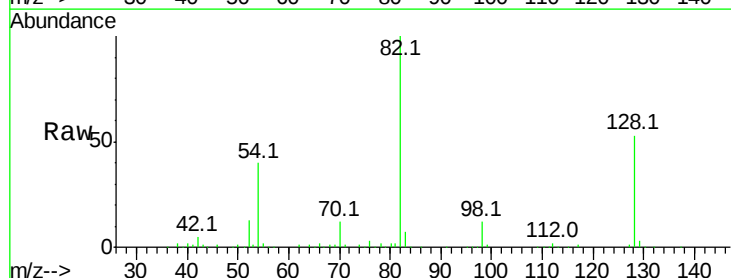
Tgt Ion: 82 Resp: 310672

Ion Ratio Lower Upper

82 100

128 52.7 34.6 52.0#

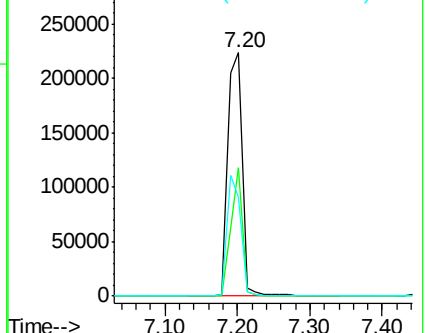
54 40.4 39.5 59.3

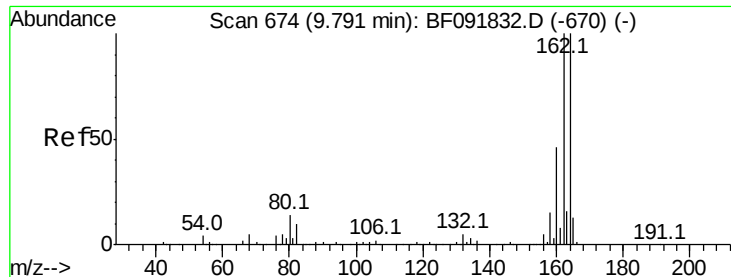


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

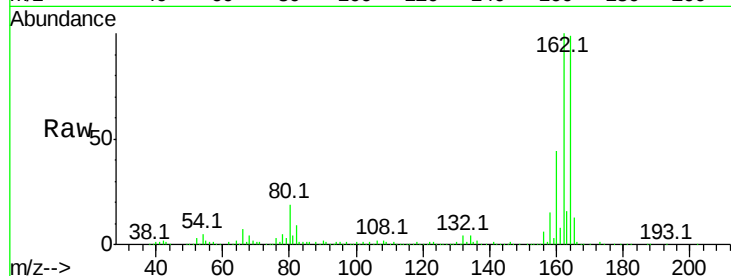




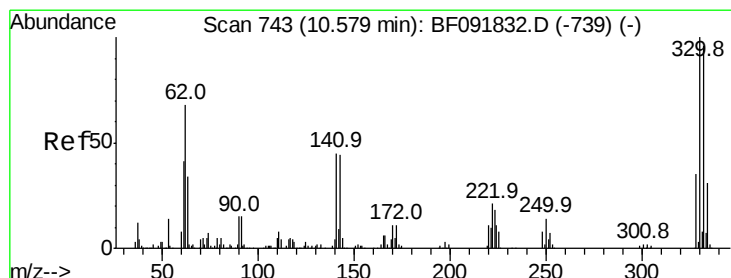
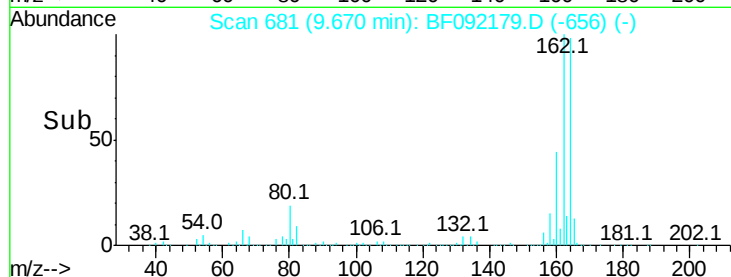
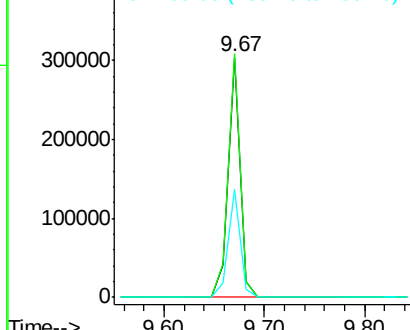
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.67 min Scan# 681
 Delta R.T. -0.01 min
 Lab File: BF092179.D
 Acq: 10 Jan 2017 14:00

Instrument :
 BNA_F
 ClientSampleId :
 RAP-SP2RE

Tot Ion:164 Resp: 252810
 Ion Ratio Lower Upper
 164 100
 162 101.4 80.2 120.2
 160 44.7 36.9 55.3

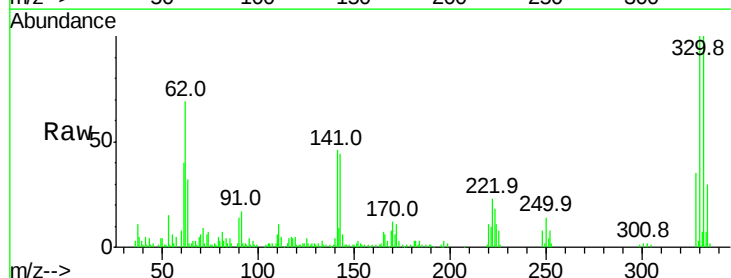


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

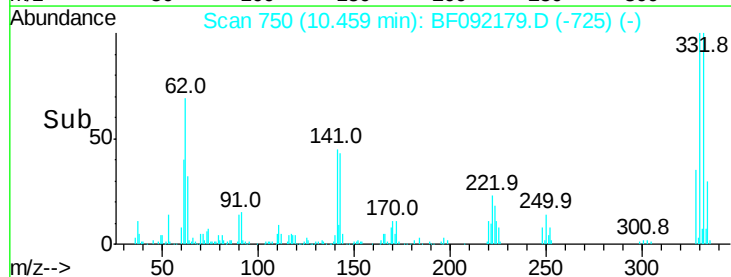
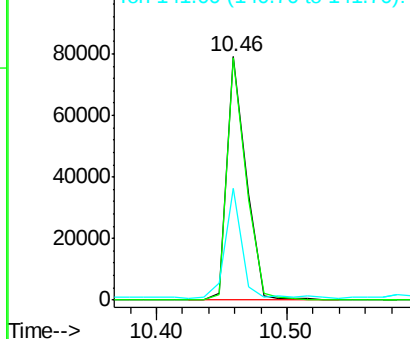


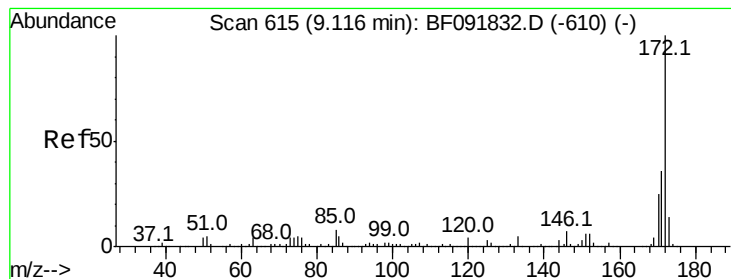
#41
 2,4,6-Tribromophenol
 Concen: 38.84 ng
 RT: 10.46 min Scan# 750
 Delta R.T. -0.01 min
 Lab File: BF092179.D
 Acq: 10 Jan 2017 14:00

Tgt Ion:330 Resp: 81256
 Ion Ratio Lower Upper
 330 100
 332 98.7 77.4 116.2
 141 38.4 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: 34.11 ng

RT: 9.00 min Scan# 622

Delta R.T. -0.01 min

Lab File: BF092179.D

Acq: 10 Jan 2017 14:00

Instrument :

BNA_F

ClientSampleId :

RAP-SP2RE

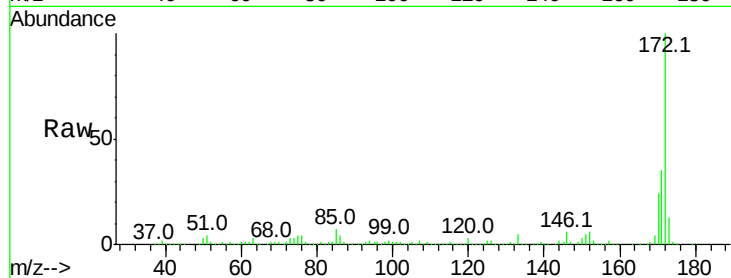
Tot Ion:172 Resp: 516151

Ion Ratio Lower Upper

172 100

171 34.5 29.4 44.0

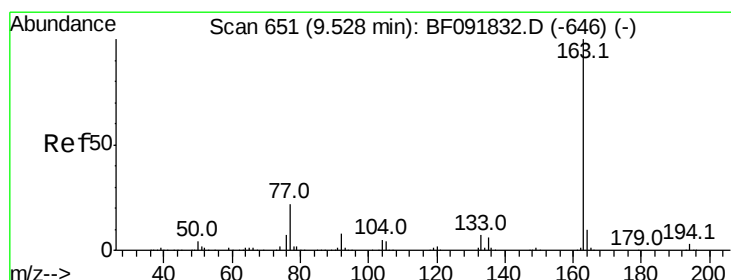
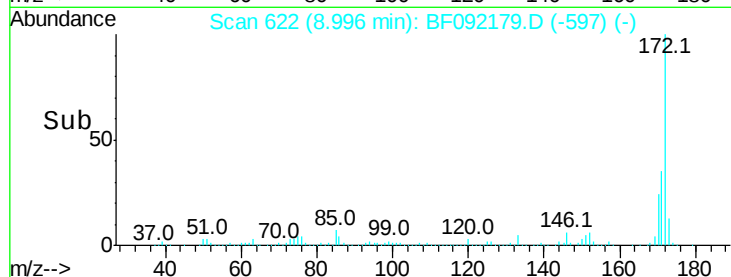
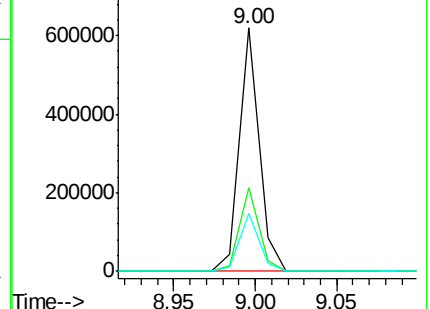
170 23.6 20.2 30.4



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: 5.43 ng

RT: 9.40 min Scan# 657

Delta R.T. -0.02 min

Lab File: BF092179.D

Acq: 10 Jan 2017 14:00

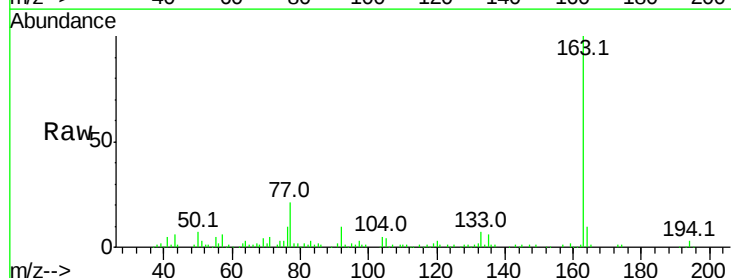
Tgt Ion:163 Resp: 87750

Ion Ratio Lower Upper

163 100

194 3.4 3.0 4.4

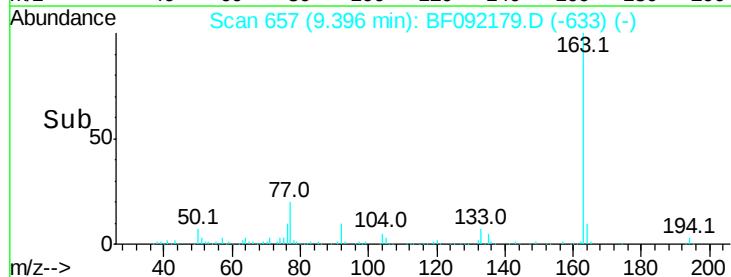
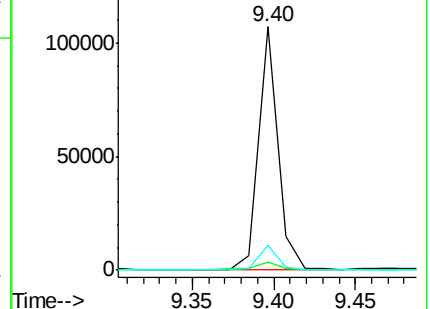
164 10.1 8.0 12.0

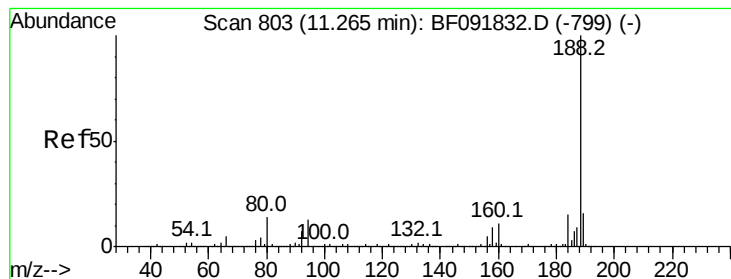


Abundance Ion 163.00 (162.70 to 163.70): E

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: BF092179.D

Acq: 10 Jan 2017 14:00

Instrument :

BNA_F

ClientSampleId :

RAP-SP2RE

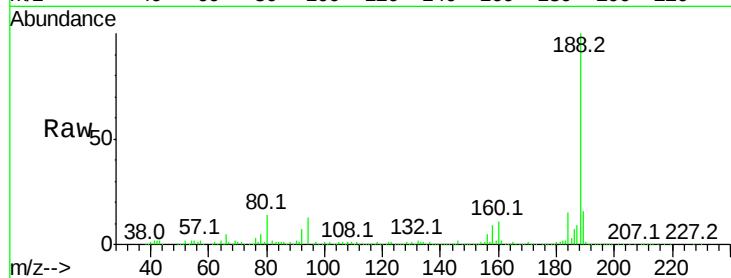
Tot Ion:188 Resp: 364560

Ion Ratio Lower Upper

188 100

94 13.3 10.0 15.0

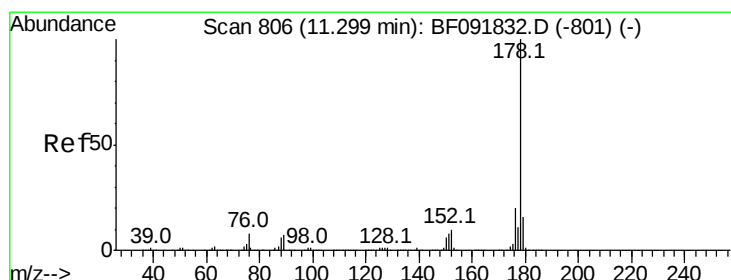
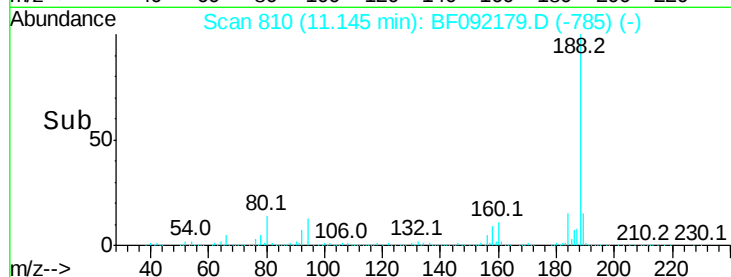
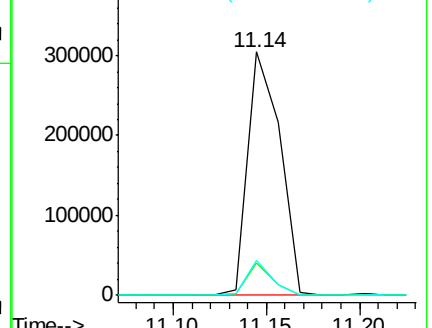
80 14.2 11.2 16.8



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: 3.97 ng

RT: 11.17 min Scan# 812

Delta R.T. -0.01 min

Lab File: BF092179.D

Acq: 10 Jan 2017 14:00

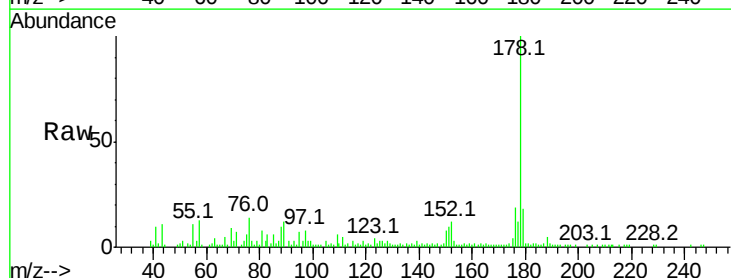
Tgt Ion:178 Resp: 78498

Ion Ratio Lower Upper

178 100

176 19.0 16.6 25.0

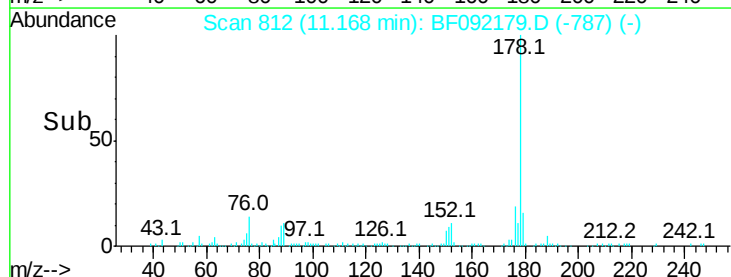
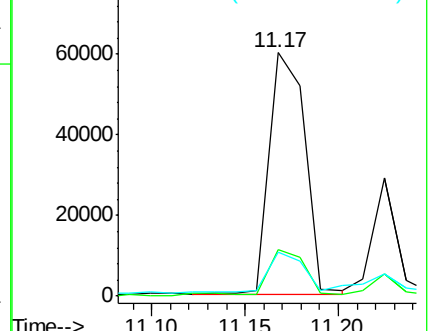
179 18.0 12.8 19.2

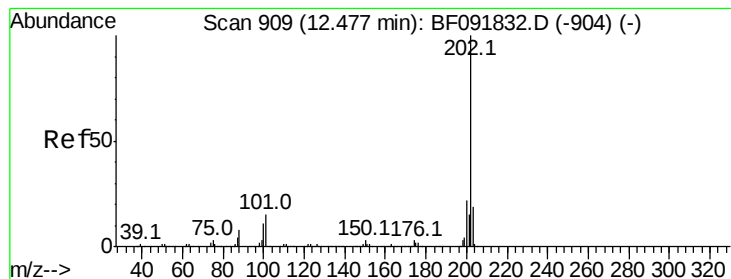


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 7.76 ng

RT: 12.36 min Scan# 916

Delta R.T. -0.01 min

Lab File: BF092179.D

Acq: 10 Jan 2017 14:00

Instrument :

BNA_F

ClientSampleId :

RAP-SP2RE

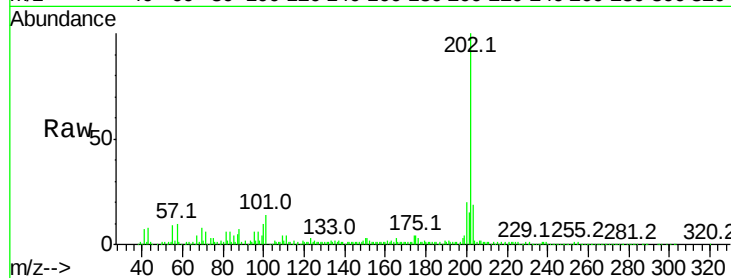
Tot Ion:202 Resp: 189428

Ion Ratio Lower Upper

202 100

101 14.4 0.0 34.6

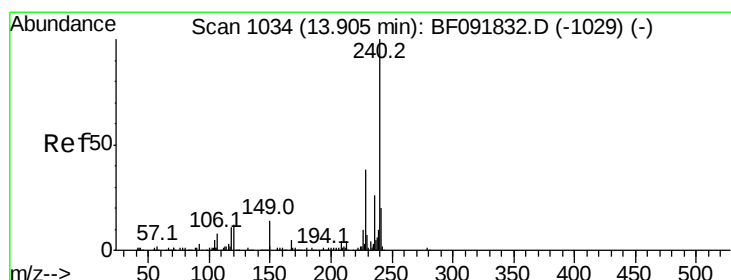
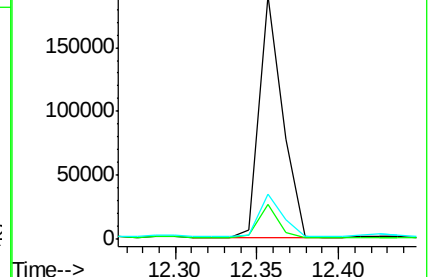
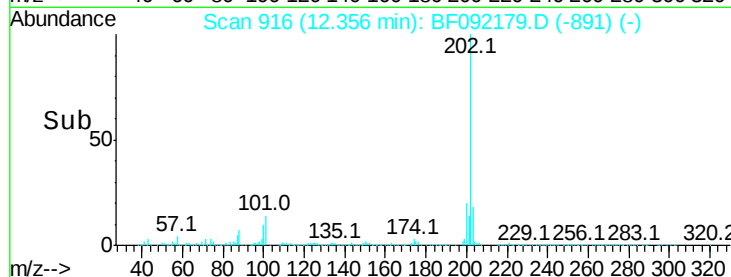
203 18.6 0.0 38.7



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: BF092179.D

Acq: 10 Jan 2017 14:00

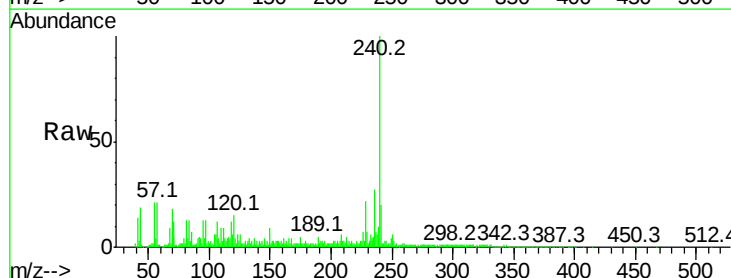
Tgt Ion:240 Resp: 243539

Ion Ratio Lower Upper

240 100

120 15.1 12.9 19.3

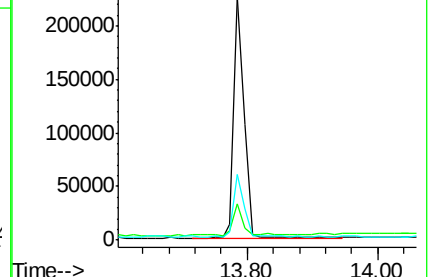
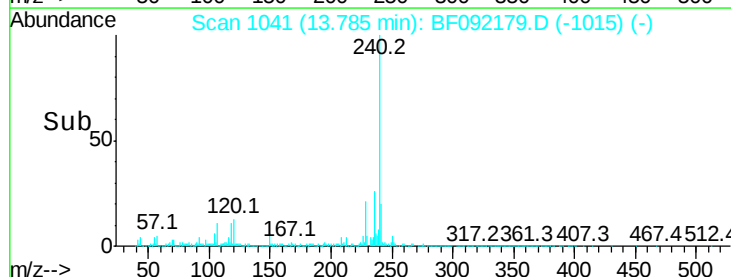
236 27.2 20.9 31.3

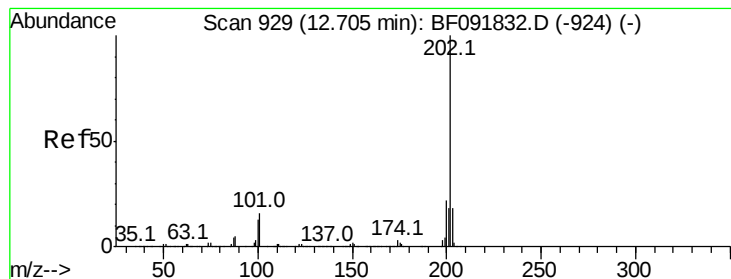


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 9.95 ng

RT: 12.58 min Scan# 936

Delta R.T. 0.00 min

Lab File: BF092179.D

Acq: 10 Jan 2017 14:00

Instrument :

BNA_F

ClientSampleId :

RAP-SP2RE

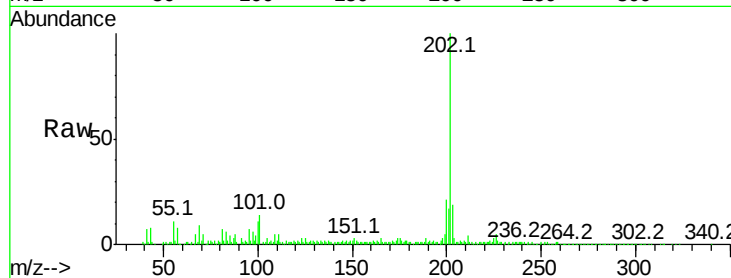
Tot Ion:202 Resp: 177704

Ion Ratio Lower Upper

202 100

200 21.1 17.7 26.5

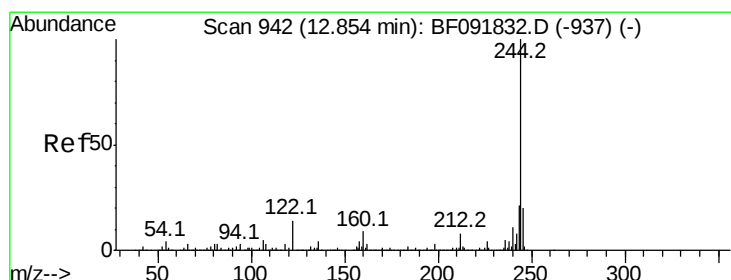
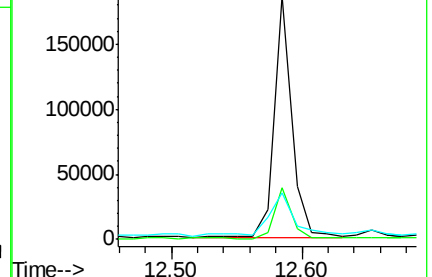
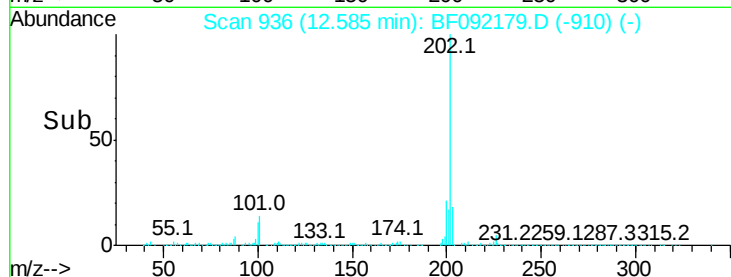
203 19.2 14.7 22.1



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: 39.89 ng

RT: 12.73 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF092179.D

Acq: 10 Jan 2017 14:00

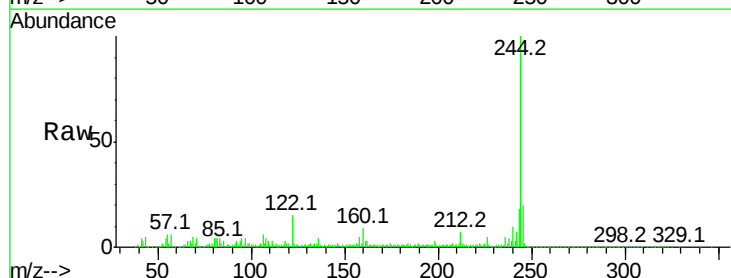
Tgt Ion:244 Resp: 400577

Ion Ratio Lower Upper

244 100

212 7.2 6.2 9.2

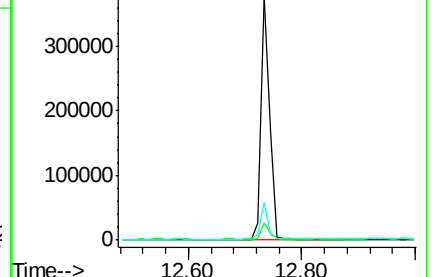
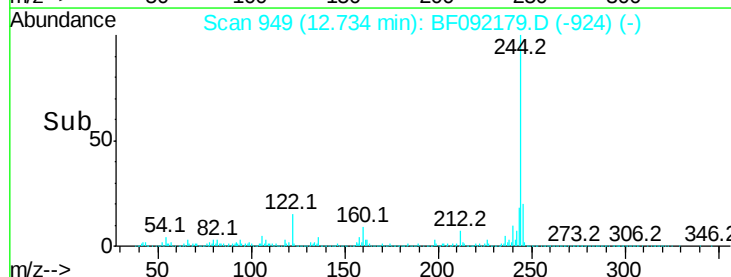
122 15.2 11.4 17.2

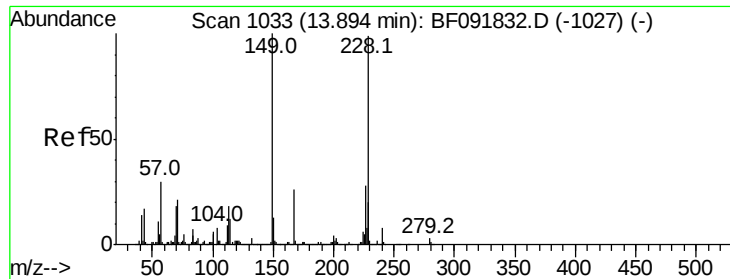


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 7.42 ng

RT: 13.77 min Scan# 1040

Delta R.T. 0.00 min

Lab File: BF092179.D

Acq: 10 Jan 2017 14:00

Instrument :

BNA_F

ClientSampleId :

RAP-SP2RE

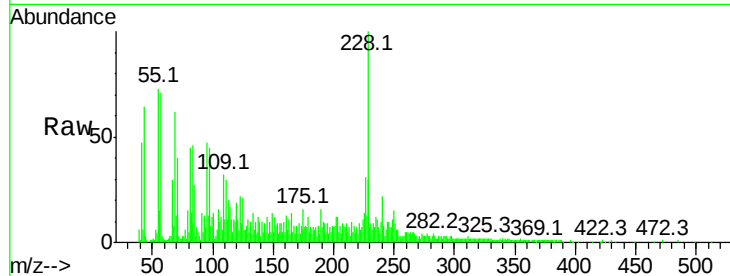
Tot Ion:228 Resp: 102057

Ion Ratio Lower Upper

228 100

226 30.8 22.4 33.6

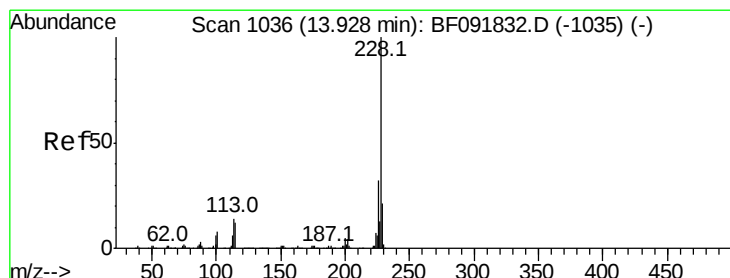
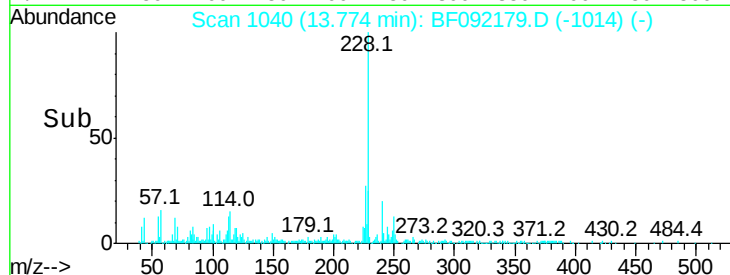
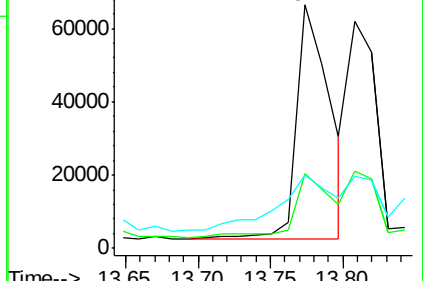
229 29.9 16.2 24.4#



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: 5.92 ng m

RT: 13.81 min Scan# 1043

Delta R.T. 0.00 min

Lab File: BF092179.D

Acq: 10 Jan 2017 14:00

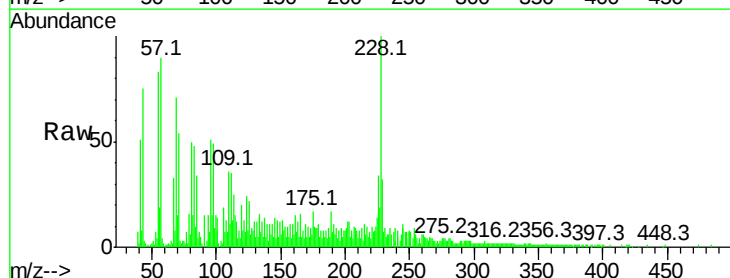
Tgt Ion:228 Resp: 81674

Ion Ratio Lower Upper

228 100

226 34.0 25.4 38.0

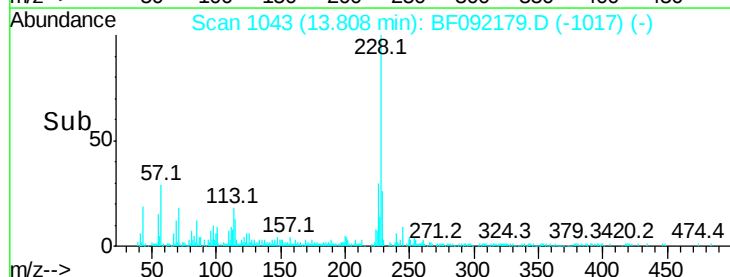
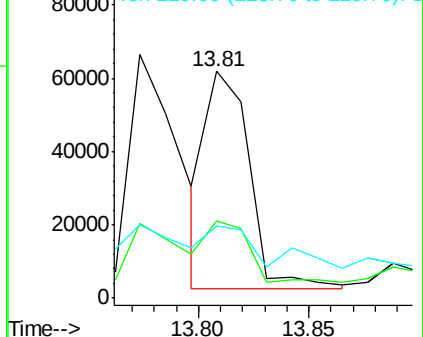
229 32.0 16.2 24.2#

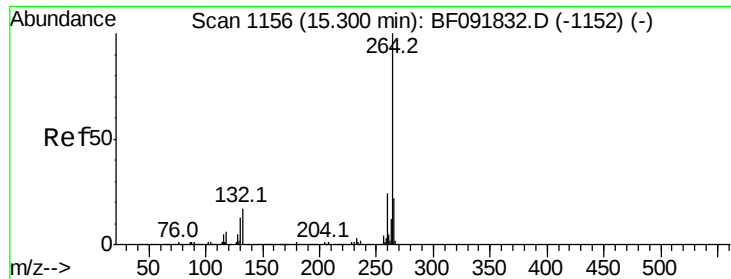


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

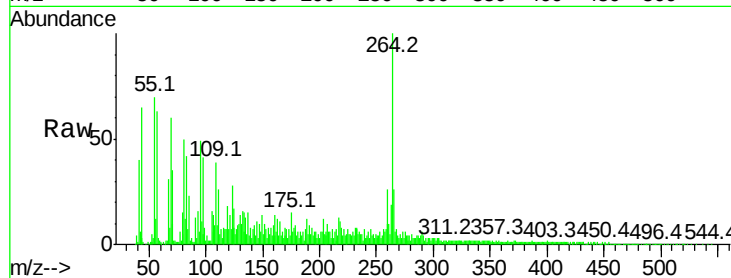




#86
Pervlene-d12
Concen: 20.00 ng
RT: 15.18 min Scan# 1163
Delta R.T. 0.03 min
Lab File: BF092179.D
Acq: 10 Jan 2017 14:00

Instrument :
BNA_F
ClientSampleId :
RAP-SP2RE

Tot Ion	Ratio	Lower	Upper
264	100		
260	25.9	19.2	28.8
265	26.2	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

