

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010617\
 Data File : BF092131.D
 Acq On : 6 Jan 2017 21:50
 Operator : UM/SJ
 Sample : I1045-05 5X
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 RAP-SP3

Quant Time: Jan 06 23:03:52 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

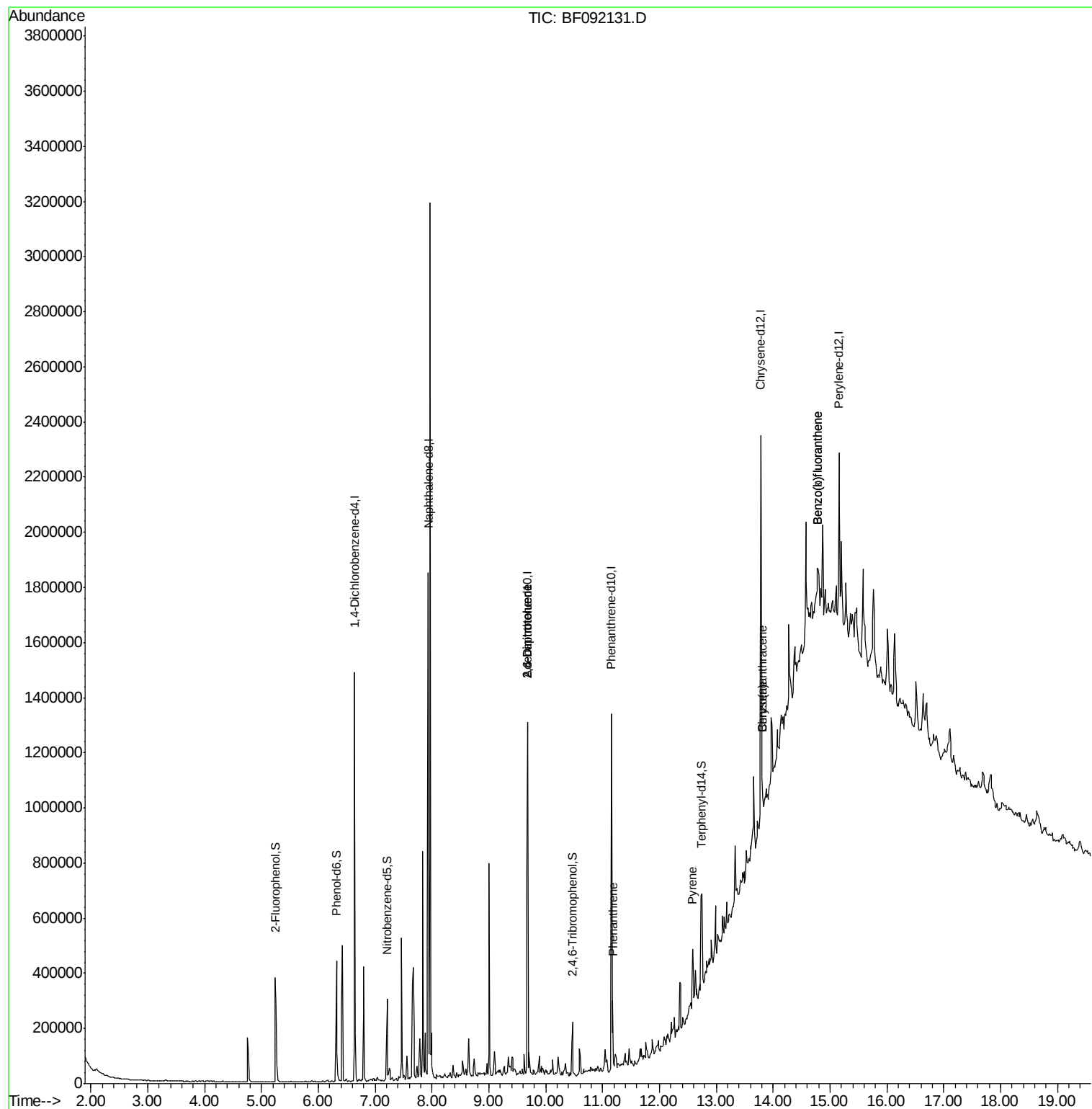
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	207845	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	824571	20.00	ng	0.00
38) Acenaphthene-d10	9.68	164	322015	20.00	ng	0.00
63) Phenanthrene-d10	11.16	188	435211	20.00	ng	0.00
75) Chrysene-d12	13.79	240	489896	20.00	ng	0.00
86) Perylene-d12	15.16	264	337695	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.25	112	157716	12.67	ng	0.01
7) Phenol-d6	6.32	99	190281	12.52	ng	0.01
23) Nitrobenzene-d5	7.21	82	122964	8.29	ng	0.00
41) 2,4,6-Tribromophenol	10.47	330	26397	9.91	ng	0.00
44) 2-Fluorobiphenyl	9.01	172	215579	0.96	ng	0.00
78) Terphenyl-d14	12.75	244	165028	8.17	ng	0.00
Target Compounds						
9) Benzaldehyde	6.32	77	218	Below Cal	#	1
50) 2,6-Dinitrotoluene	9.68	165	41997	9.32	ng	30
56) 2,4-Dinitrotoluene	9.68	165	41997	7.42	ng	19
70) Phenanthrene	11.18	178	87667	3.71	ng	96
73) Di-n-butylphthalate	11.73	149	2539	Below Cal	#	67
76) Benzo(a)anthracene	12.52	184	353	Below Cal	#	1
77) Pyrene	12.59	202	100832	2.81	ng	97
80) Benzo(a)anthracene	13.81	228	111543	4.03	ng	84
82) Chrysene	13.81	228	111543	4.02	ng	89
87) Benzo(b)fluoranthene	14.79	252	60215	2.86	ng	35
88) Benzo(k)fluoranthene	14.79	252	60215	3.36	ng	36

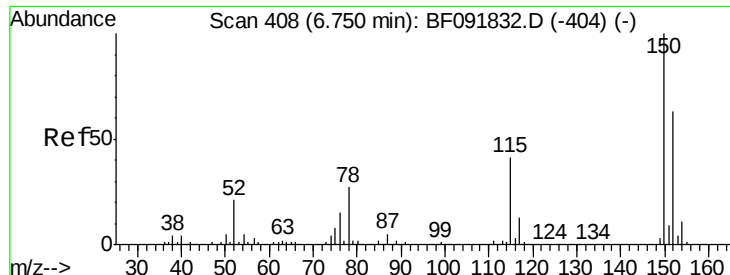
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.64 min Scan# 416

Delta R.T. 0.00 min

Lab File: BF092131.D

Acq: 6 Jan 2017 21:50

Instrument :

BNA_F

ClientSampled :

RAP-SP3

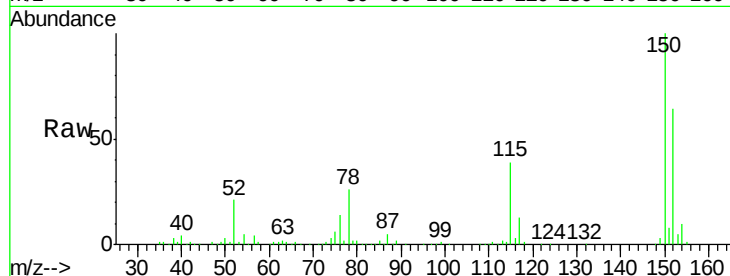
Tgt Ion:152 Resp: 207845

Ion Ratio Lower Upper

152 100

150 156.0 124.9 187.3

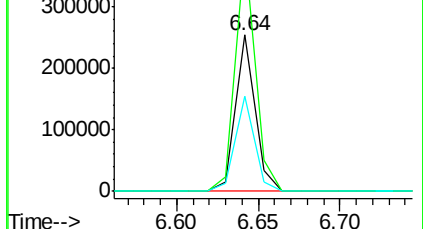
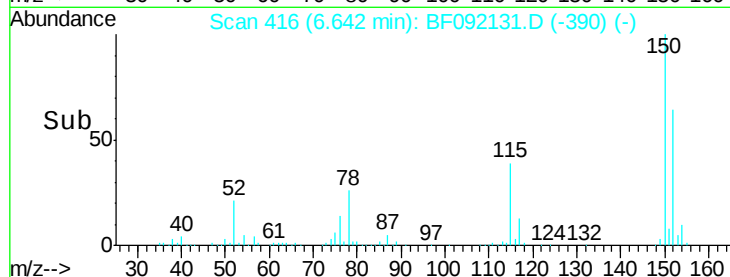
115 61.0 46.0 69.0



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: 12.67 ng

RT: 5.25 min Scan# 294

Delta R.T. 0.01 min

Lab File: BF092131.D

Acq: 6 Jan 2017 21:50

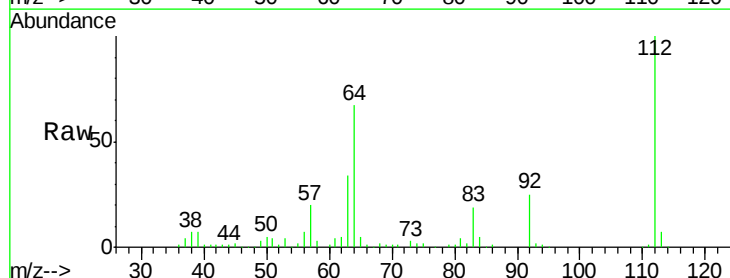
Tgt Ion:112 Resp: 157716

Ion Ratio Lower Upper

112 100

64 67.4 46.1 69.1

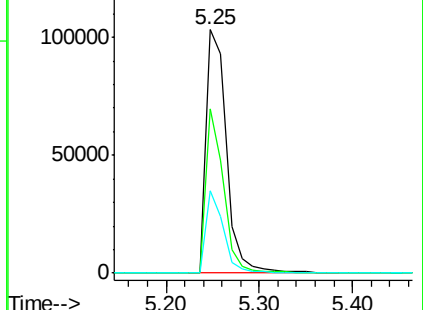
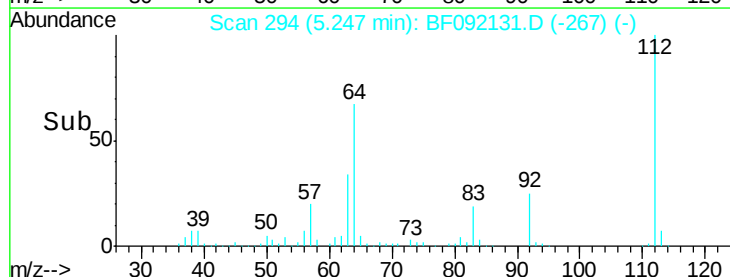
63 34.0 23.8 35.6



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: 12.52 ng

RT: 6.32 min Scan# 388

Delta R.T. 0.01 min

Lab File: BF092131.D

Acq: 6 Jan 2017 21:50

Instrument :

BNA_F

ClientSampleId :

RAP-SP3

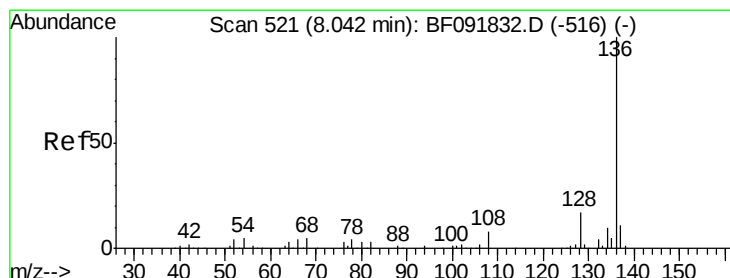
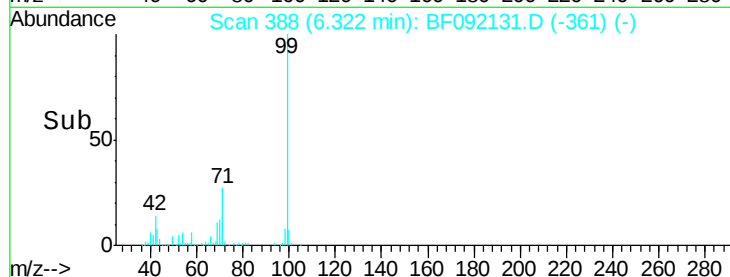
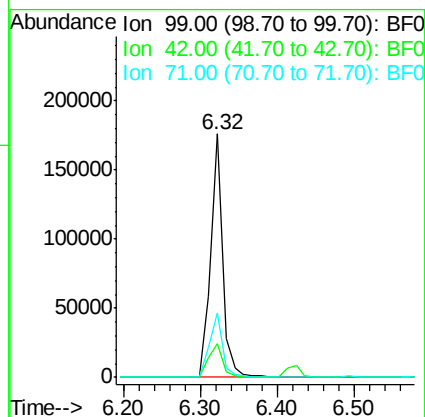
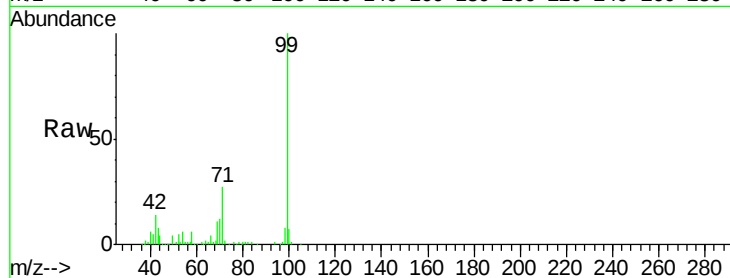
Tgt Ion: 99 Resp: 190281

Ion Ratio Lower Upper

99 100

42 13.9 15.6 23.4#

71 26.6 27.5 41.3#



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 529

Delta R.T. 0.00 min

Lab File: BF092131.D

Acq: 6 Jan 2017 21:50

Tgt Ion: 136 Resp: 824571

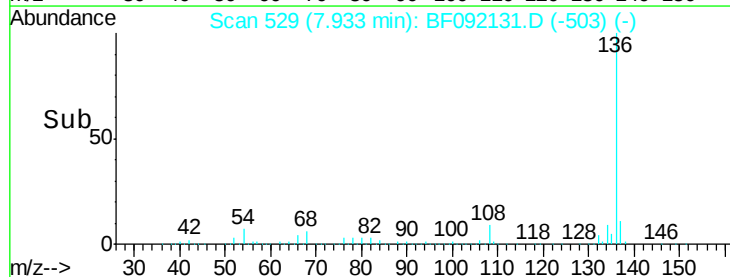
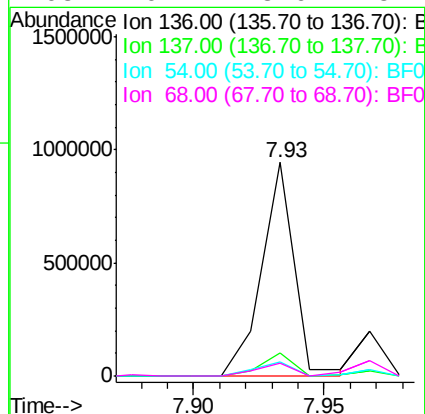
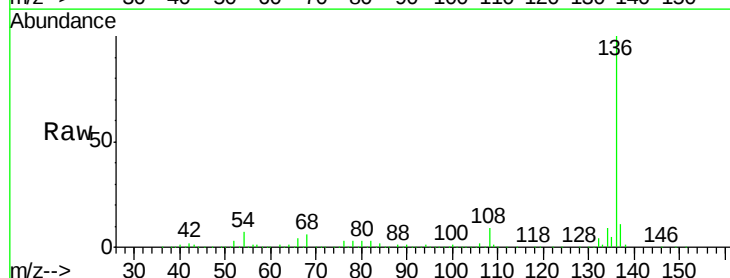
Ion Ratio Lower Upper

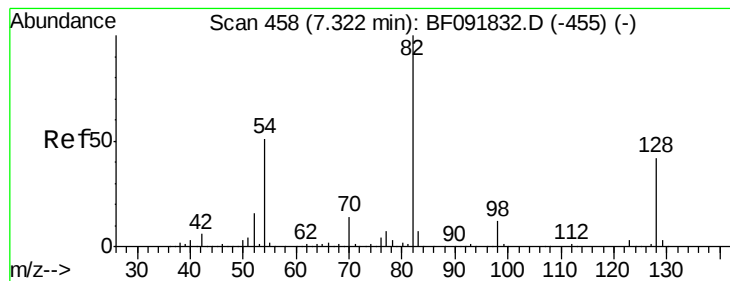
136 100

137 11.1 8.4 12.6

54 6.6 4.5 6.7

68 6.1 3.6 5.4#





#23

Nitrobenzene-d5

Concen: 8.29 ng

RT: 7.21 min Scan# 466

Delta R.T. 0.00 min

Lab File: BF092131.D

Acq: 6 Jan 2017 21:50

Instrument :

BNA_F

ClientSampleId :

RAP-SP3

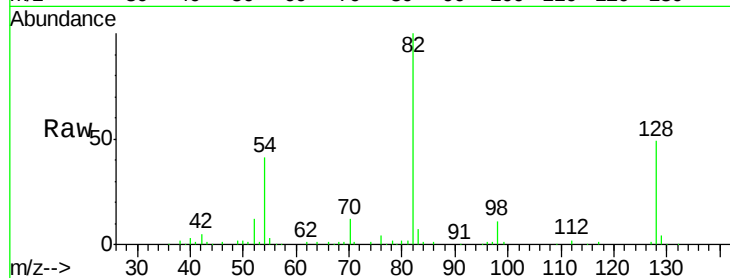
Tgt Ion: 82 Resp: 122964

Ion Ratio Lower Upper

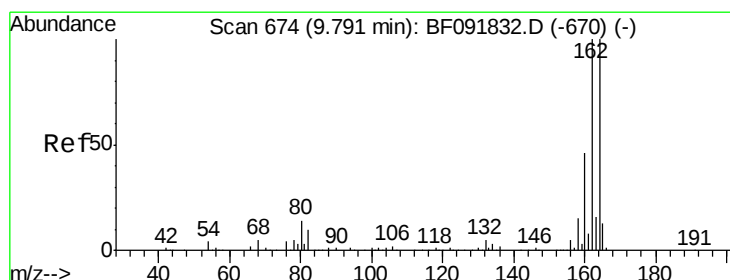
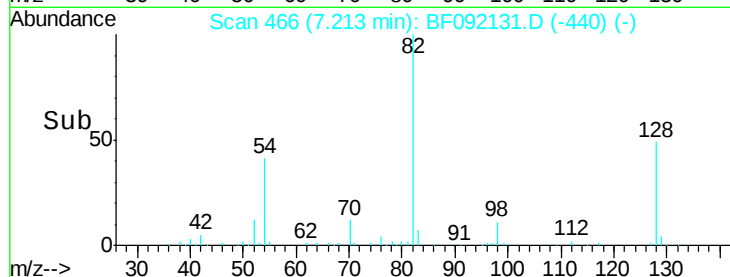
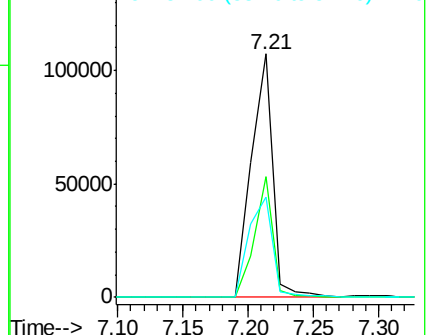
82 100

128 49.4 34.6 52.0

54 41.2 39.5 59.3



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



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.68 min Scan# 682

Delta R.T. 0.00 min

Lab File: BF092131.D

Acq: 6 Jan 2017 21:50

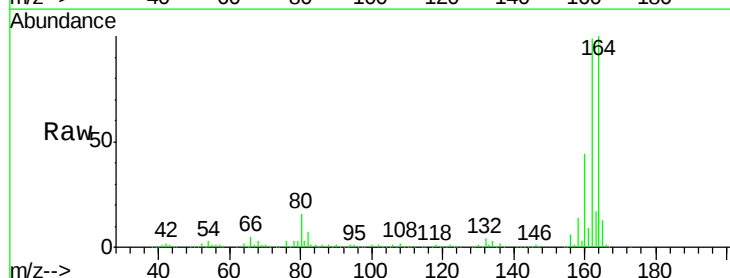
Tgt Ion:164 Resp: 322015

Ion Ratio Lower Upper

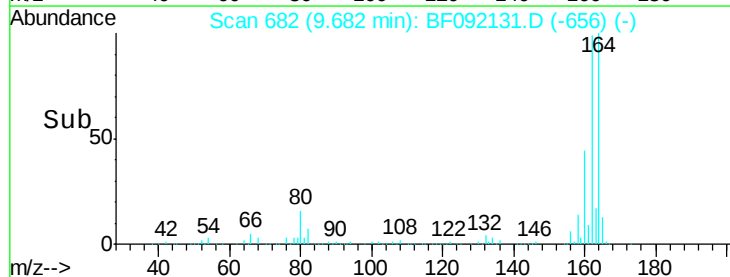
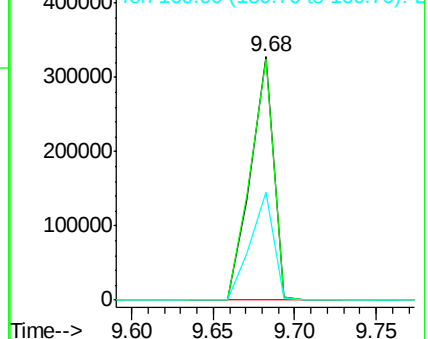
164 100

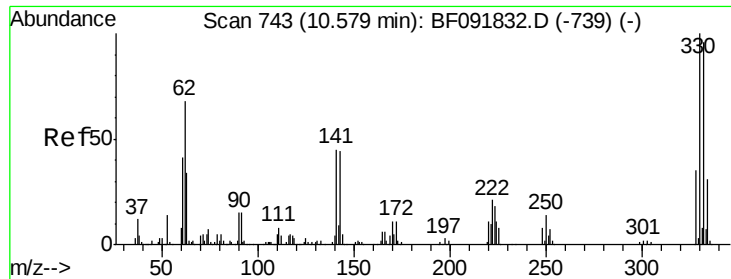
162 99.0 80.2 120.2

160 44.5 36.9 55.3



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

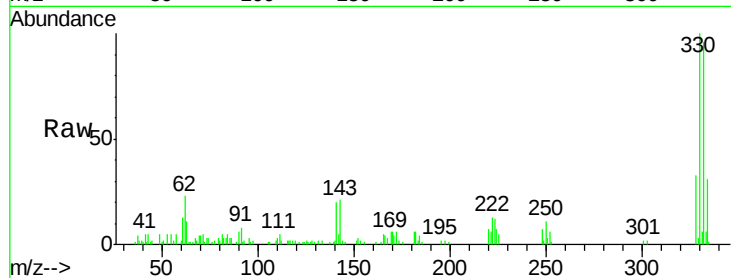




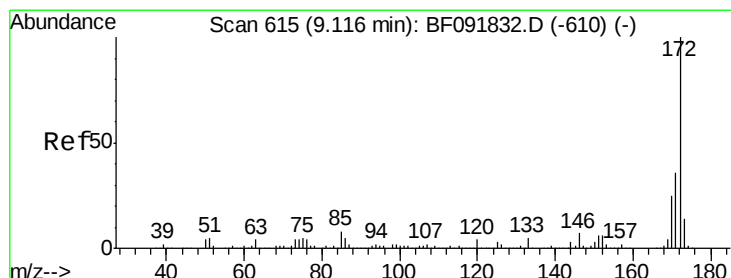
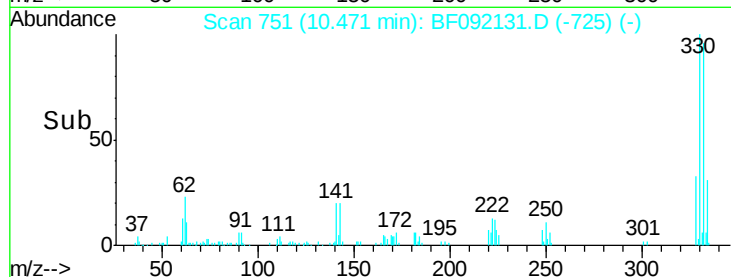
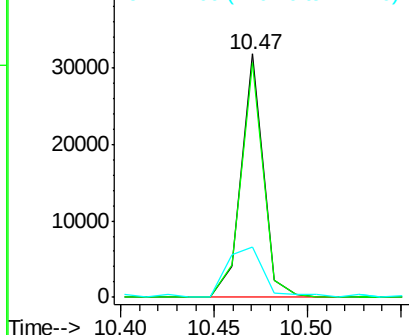
#41
 2,4,6-Tribromophenol
 Concen: 9.91 ng
 RT: 10.47 min Scan# 751
 Delta R.T. 0.00 min
 Lab File: BF092131.D
 Acq: 6 Jan 2017 21:50

Instrument :
 BNA_F
 ClientSampleId :
 RAP-SP3

Tgt Ion:330 Resp: 26397
 Ion Ratio Lower Upper
 330 100
 332 97.3 77.4 116.2
 141 34.6 34.1 51.1

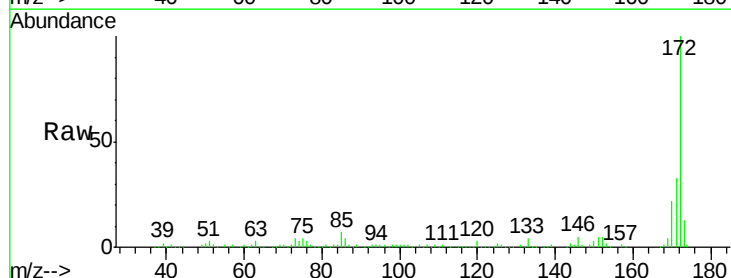


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

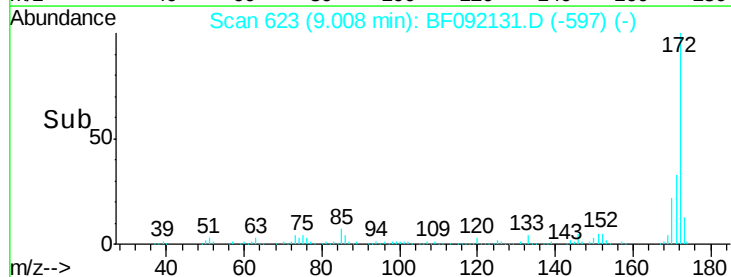
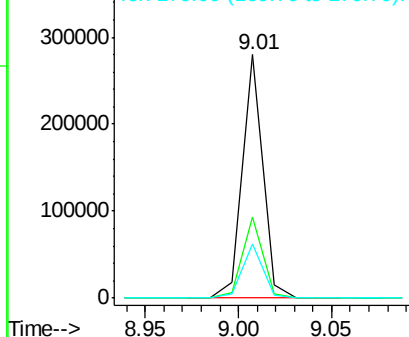


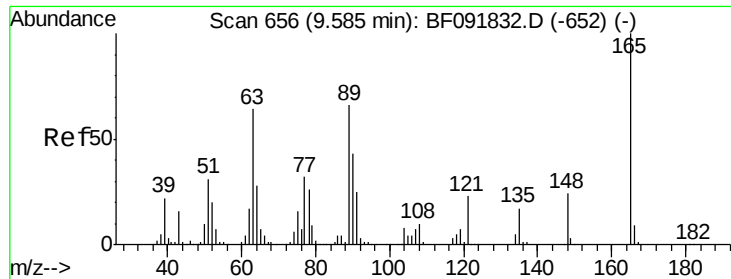
#44
 2-Fluorobiphenyl
 Concen: 0.96 ng
 RT: 9.01 min Scan# 623
 Delta R.T. 0.00 min
 Lab File: BF092131.D
 Acq: 6 Jan 2017 21:50

Tgt Ion:172 Resp: 215579
 Ion Ratio Lower Upper
 172 100
 171 33.3 29.4 44.0
 170 22.4 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

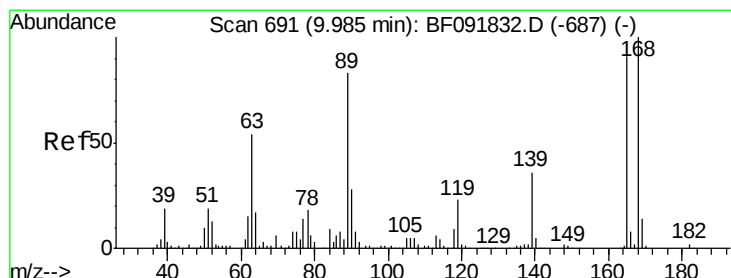
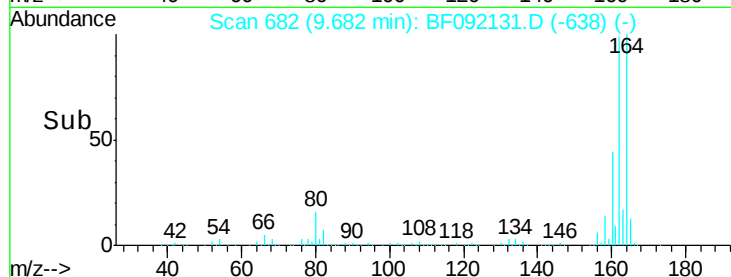
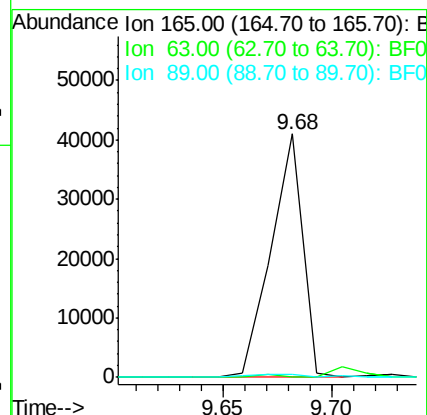
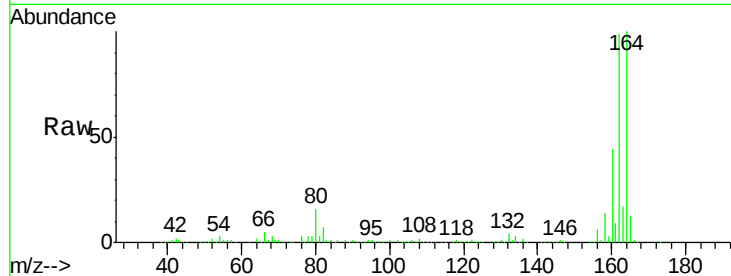




#50
 2,6-Dinitrotoluene
 Concen: 9.32 ng
 RT: 9.68 min Scan# 682
 Delta R.T. 0.21 min
 Lab File: BF092131.D
 Acq: 6 Jan 2017 21:50

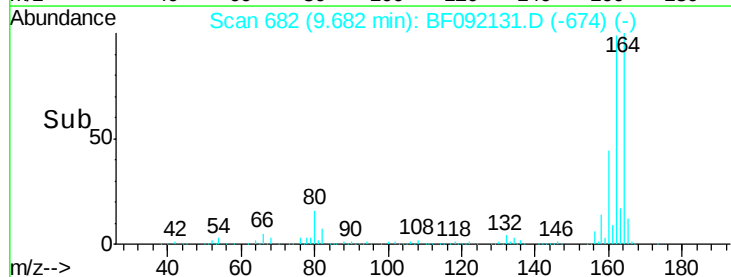
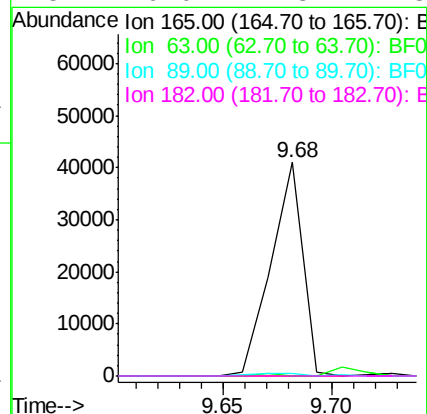
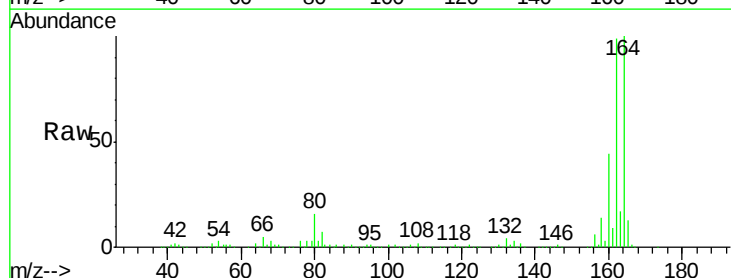
Instrument :
 BNA_F
 ClientSampled :
 RAP-SP3

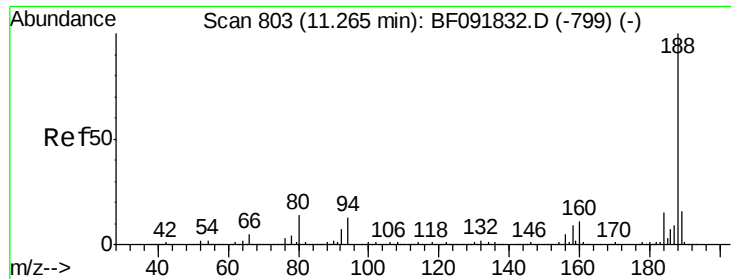
Tgt Ion:165 Resp: 41997
 Ion Ratio Lower Upper
 165 100
 63 0.0 36.2 54.4#
 89 1.2 40.2 60.4#



#56
 2,4-Dinitrotoluene
 Concen: 7.42 ng
 RT: 9.68 min Scan# 682
 Delta R.T. -0.21 min
 Lab File: BF092131.D
 Acq: 6 Jan 2017 21:50

Tgt Ion:165 Resp: 41997
 Ion Ratio Lower Upper
 165 100
 63 0.0 40.2 60.4#
 89 1.2 62.5 93.7#
 182 0.0 1.8 2.8#

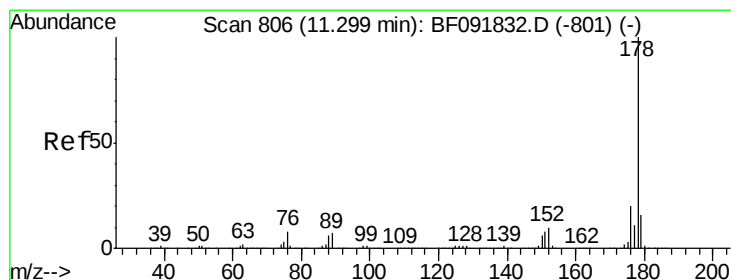
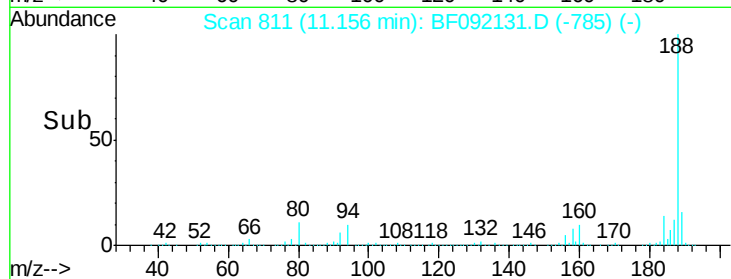
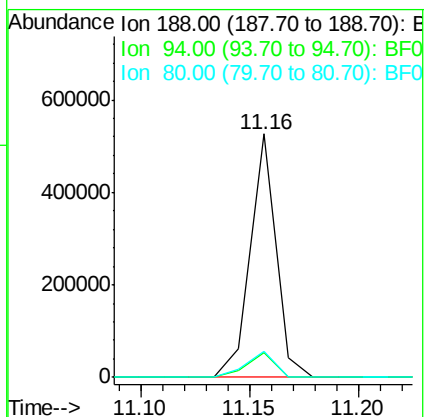
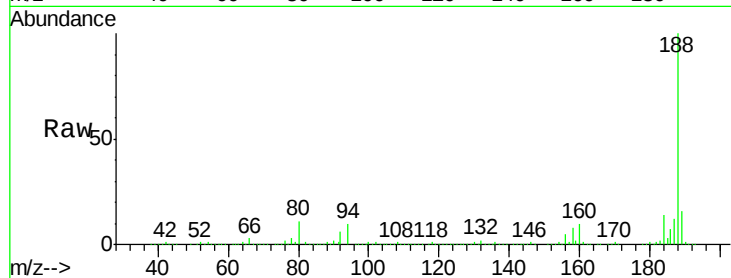




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.16 min Scan# 811
Delta R.T. 0.00 min
Lab File: BF092131.D
Acq: 6 Jan 2017 21:50

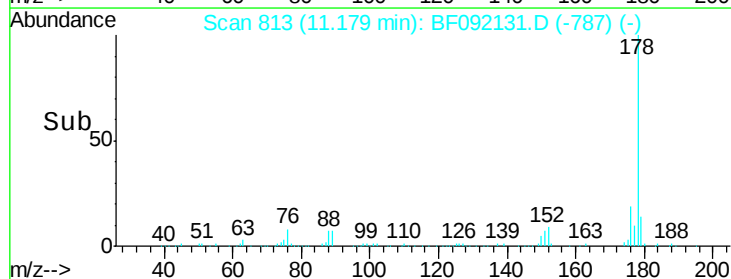
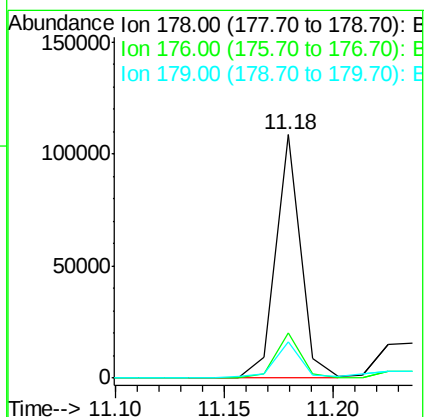
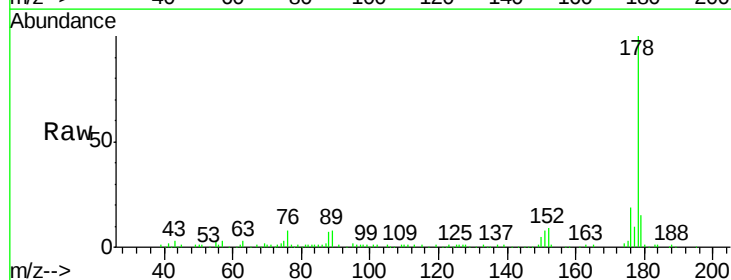
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RAP-SP3

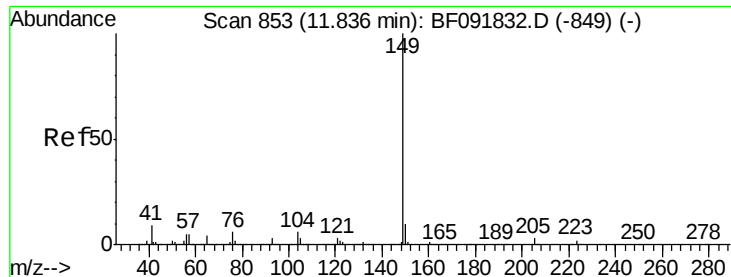
Tgt Ion:188 Resp: 435211
Ion Ratio Lower Upper
188 100
94 10.2 10.0 15.0
80 10.7 11.2 16.8#



#70
Phenanthrene
Concen: 3.71 ng
RT: 11.18 min Scan# 813
Delta R.T. 0.00 min
Lab File: BF092131.D
Acq: 6 Jan 2017 21:50

Tgt Ion:178 Resp: 87667
Ion Ratio Lower Upper
178 100
176 18.8 16.6 25.0
179 14.8 12.8 19.2





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.73 min Scan# 861

Delta R.T. 0.00 min

Lab File: BF092131.D

Acq: 6 Jan 2017 21:50

Instrument :

BNA_F

ClientSampleId :

RAP-SP3

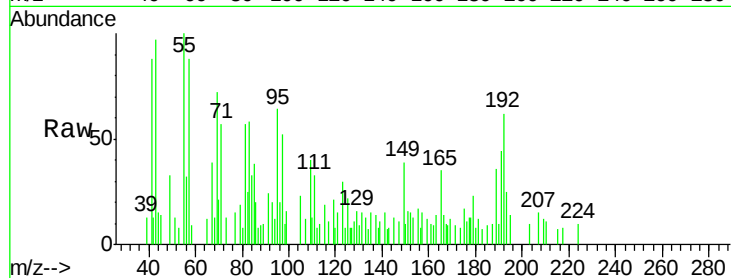
Tgt Ion:149 Resp: 2539

Ion Ratio Lower Upper

149 100

150 25.5 8.1 12.1#

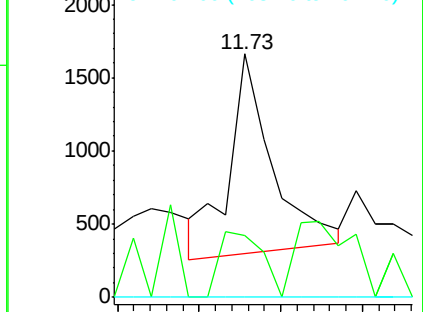
104 0.0 4.6 7.0#



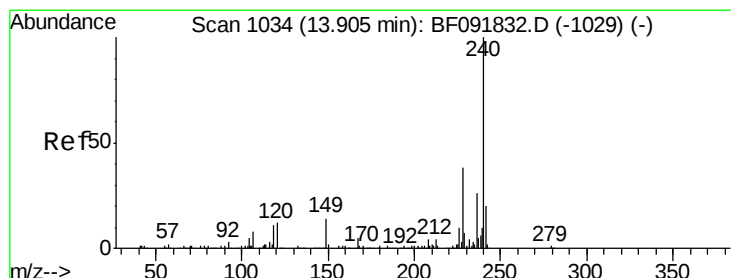
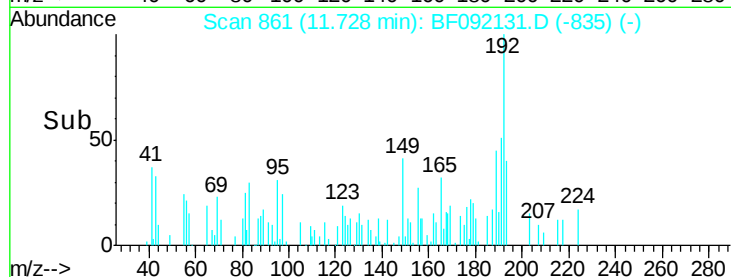
Abundance Ion 149.00 (148.70 to 149.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 104.00 (103.70 to 104.70): E



Time--> 11.65 11.70 11.75 11.80



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.79 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF092131.D

Acq: 6 Jan 2017 21:50

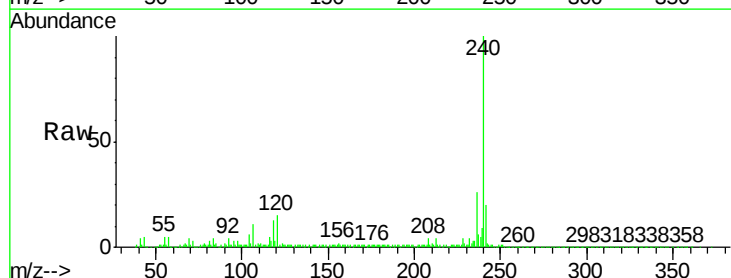
Tgt Ion:240 Resp: 489896

Ion Ratio Lower Upper

240 100

120 15.2 12.9 19.3

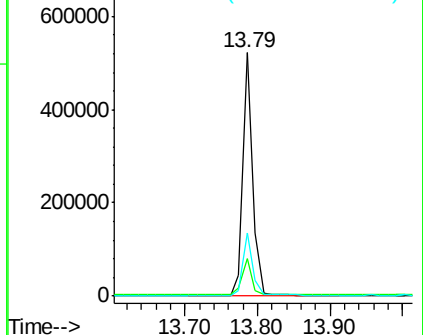
236 26.1 20.9 31.3



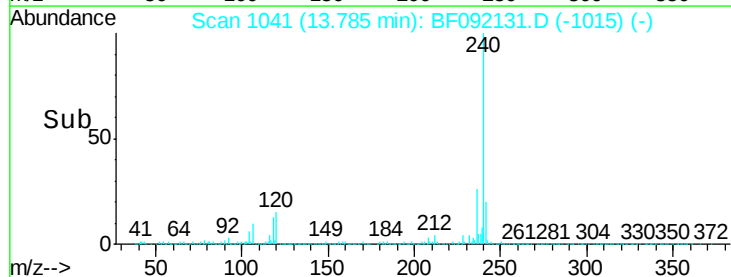
Abundance Ion 240.00 (239.70 to 240.70): E

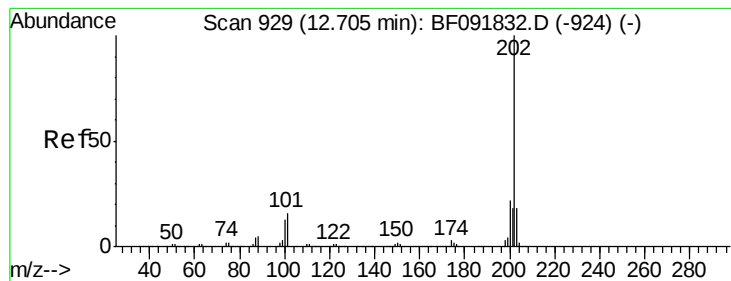
Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



Time--> 13.70 13.80 13.90





#77

Pyrene

Concen: 2.81 ng

RT: 12.59 min Scan# 936

Delta R.T. 0.00 min

Lab File: BF092131.D

Acq: 6 Jan 2017 21:50

Instrument :

BNA_F

ClientSampleId :

RAP-SP3

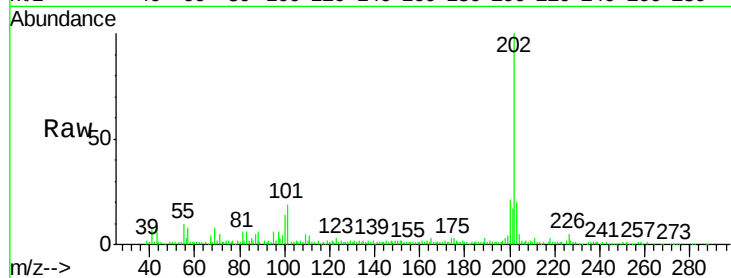
Tgt Ion:202 Resp: 100832

Ion Ratio Lower Upper

202 100

200 20.9 17.7 26.5

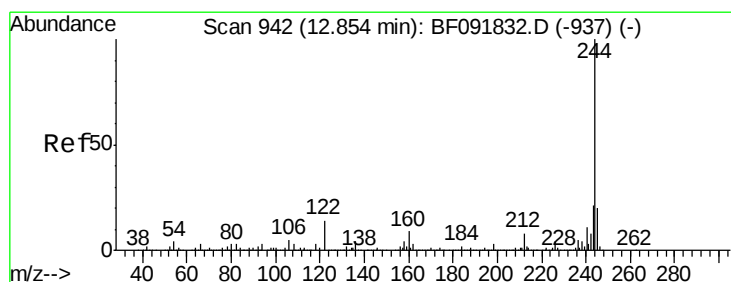
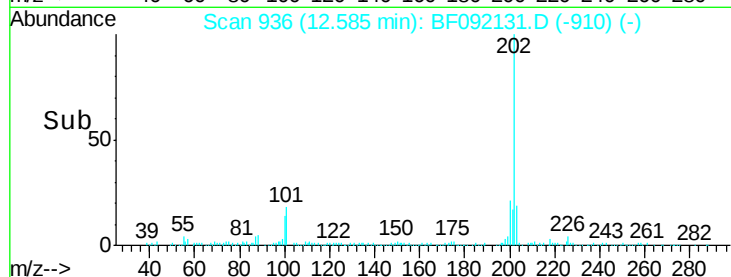
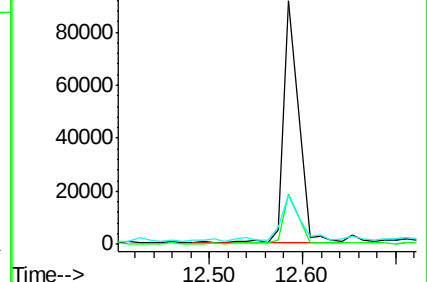
203 20.3 14.7 22.1



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: 8.17 ng

RT: 12.75 min Scan# 950

Delta R.T. 0.00 min

Lab File: BF092131.D

Acq: 6 Jan 2017 21:50

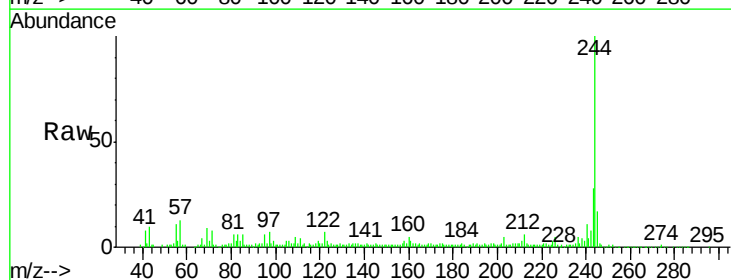
Tgt Ion:244 Resp: 165028

Ion Ratio Lower Upper

244 100

212 5.5 6.2 9.2#

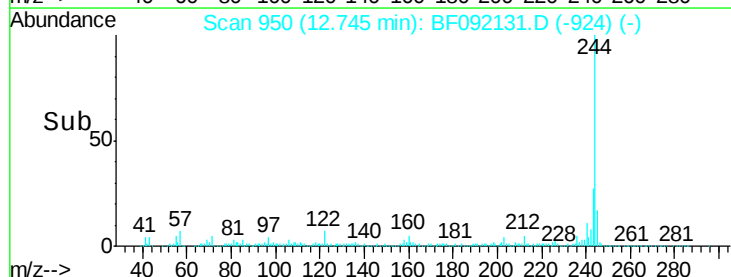
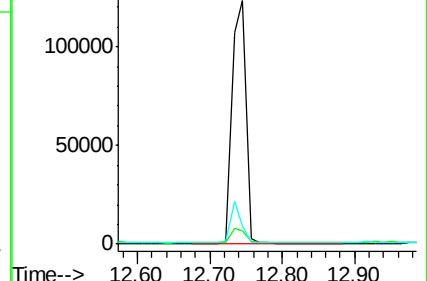
122 7.3 11.4 17.2#

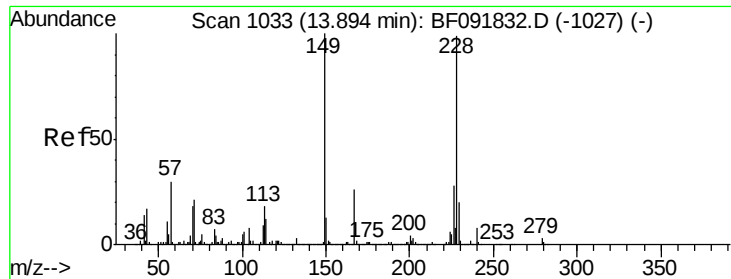


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.03 ng

RT: 13.81 min Scan# 1043

Delta R.T. 0.03 min

Lab File: BF092131.D

Acq: 6 Jan 2017 21:50

Instrument :

BNA_F

ClientSampleId :

RAP-SP3

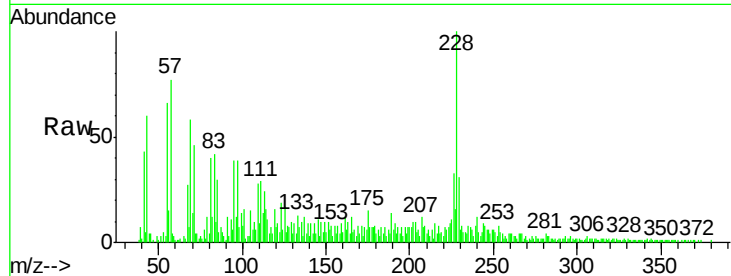
Tgt Ion:228 Resp: 111543

Ion Ratio Lower Upper

228 100

226 32.9 22.4 33.6

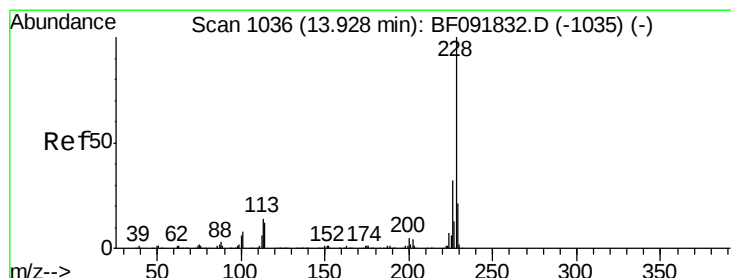
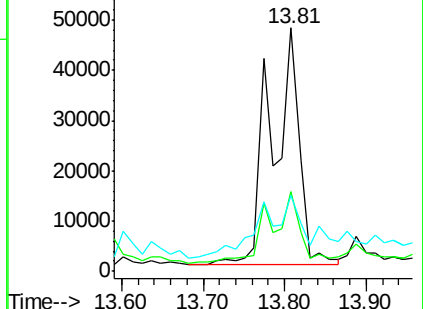
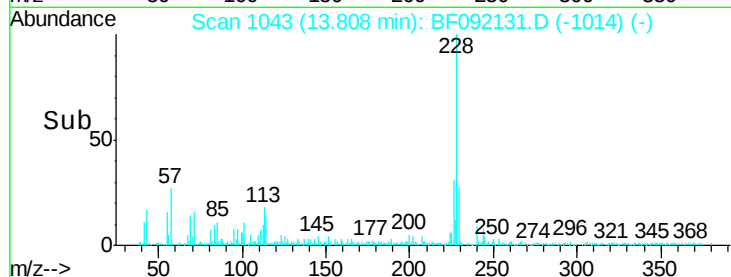
229 31.4 16.2 24.4#



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



#82

Chrysene

Concen: 4.02 ng

RT: 13.81 min Scan# 1043

Delta R.T. 0.00 min

Lab File: BF092131.D

Acq: 6 Jan 2017 21:50

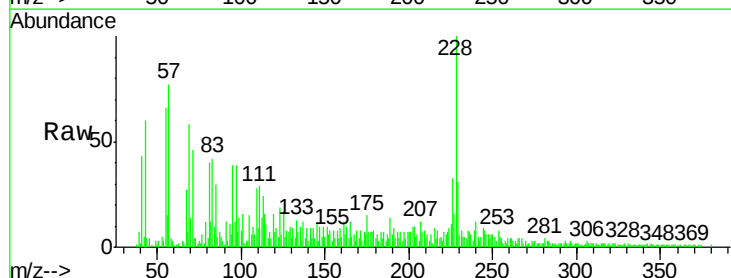
Tgt Ion:228 Resp: 111543

Ion Ratio Lower Upper

228 100

226 32.9 25.4 38.0

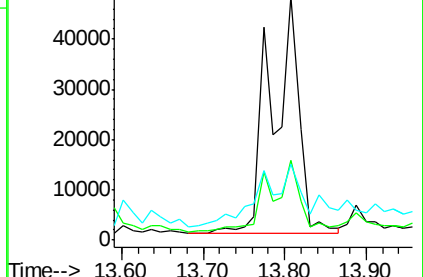
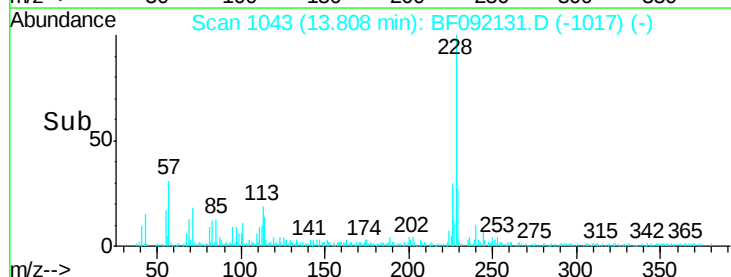
229 31.4 16.2 24.2#

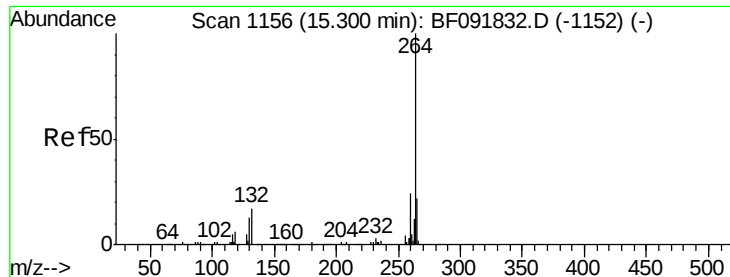


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



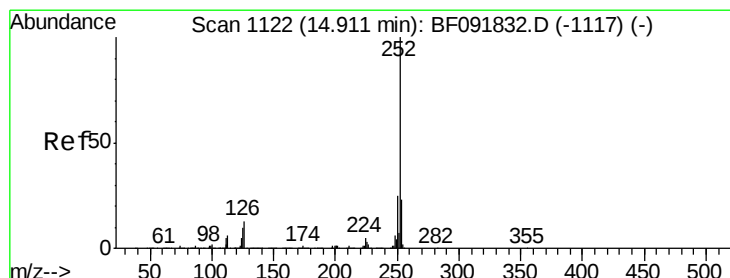
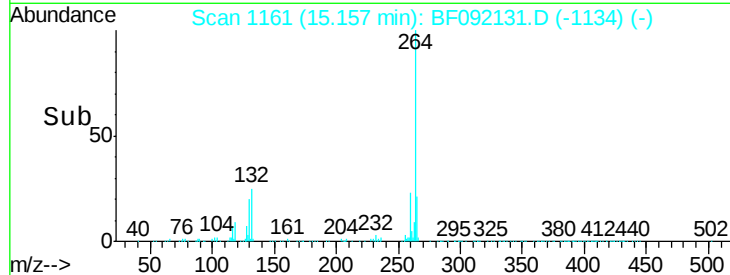
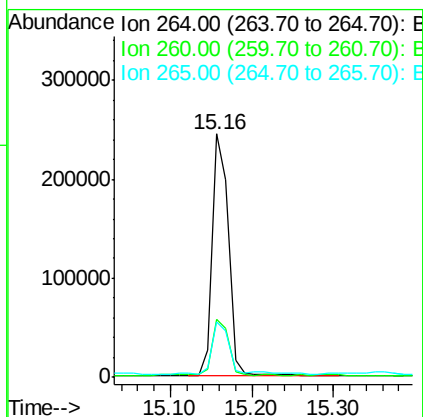
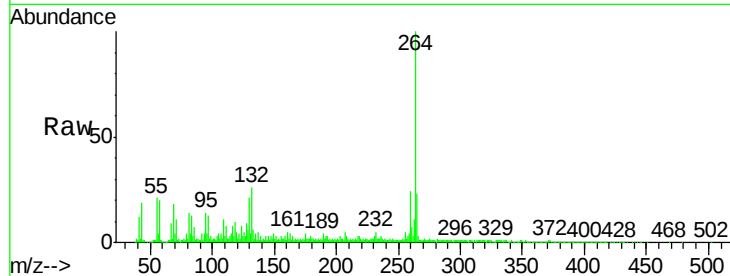


#86
Perylene-d12
Concen: 20.00 ng
RT: 15.16 min Scan# 1161
Delta R.T. 0.01 min
Lab File: BF092131.D
Acq: 6 Jan 2017 21:50

Instrument :
BNA_F
ClientSampleId :
RAP-SP3

Tgt Ion: 264 Resp: 337695

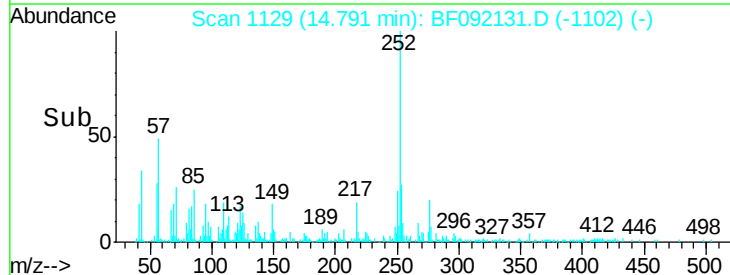
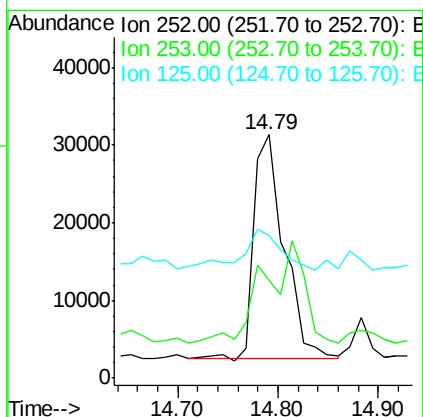
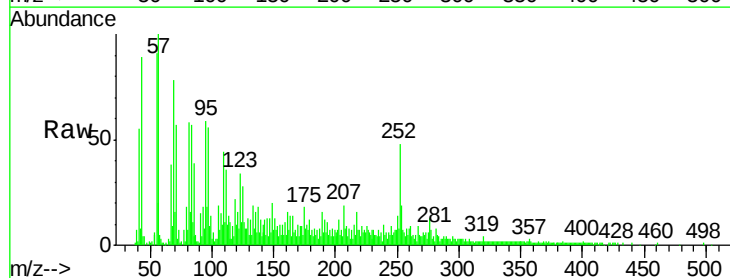
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	22.6	17.4	26.0

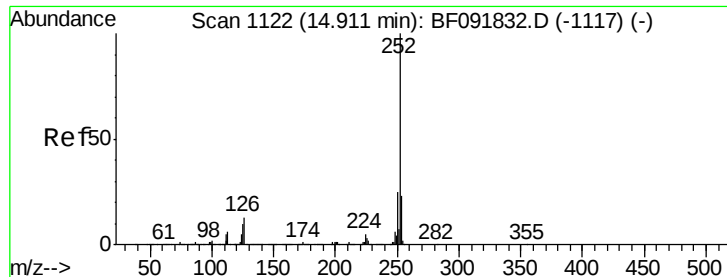


#87
Benzo(b)fluoranthene
Concen: 2.86 ng
RT: 14.79 min Scan# 1129
Delta R.T. 0.01 min
Lab File: BF092131.D
Acq: 6 Jan 2017 21:50

Tgt Ion: 252 Resp: 60215

Ion	Ratio	Lower	Upper
252	100		
253	40.0	18.2	27.4#
125	58.6	9.8	14.6#





#88

Benzo(k)fluoranthene

Concen: 3.36 ng

RT: 14.79 min Scan# 1129

Delta R.T. -0.01 min

Lab File: BF092131.D

Acq: 6 Jan 2017 21:50

Instrument :

BNA_F

ClientSampleId :

RAP-SP3

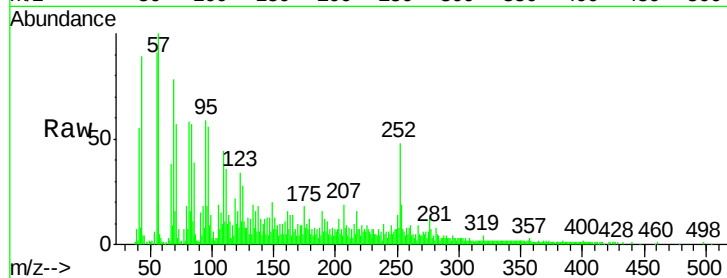
Tgt Ion: 252 Resp: 60215

Ion Ratio Lower Upper

252 100

253 40.0 18.5 27.7#

125 58.6 8.9 13.3#



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

