

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF010617\
 Data File : BF092128.D
 Acq On : 6 Jan 2017 20:27
 Operator : UM/SJ
 Sample : I1045-02 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 P3-SP2

Quant Time: Jan 06 22:16:08 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

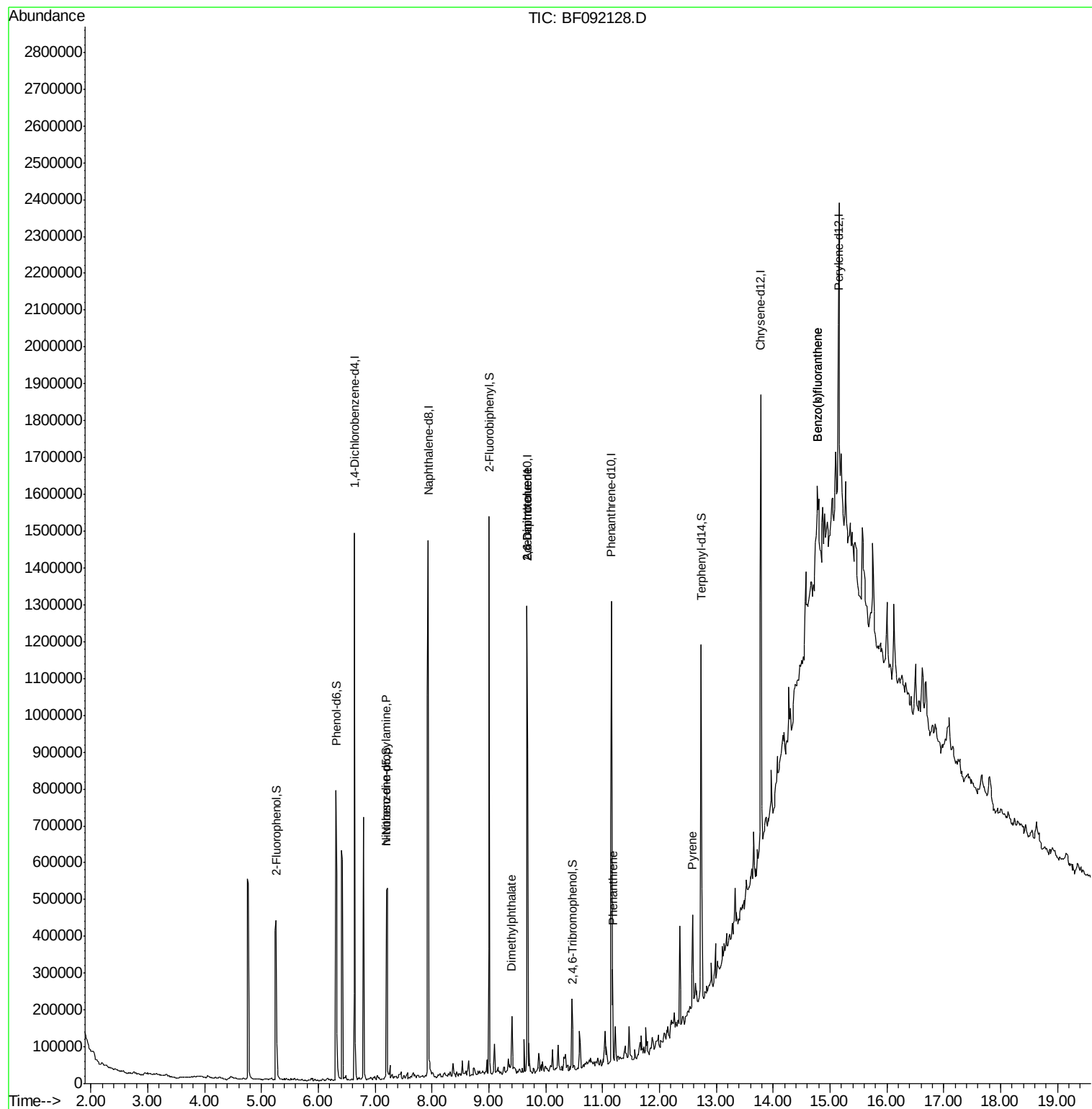
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.64	152	211179	20.00	ng	0.00
21) Naphthalene-d8	7.93	136	871824	20.00	ng	0.00
38) Acenaphthene-d10	9.67	164	350372	20.00	ng	-0.01
63) Phenanthrene-d10	11.16	188	533482	20.00	ng	0.00
75) Chrysene-d12	13.79	240	485253	20.00	ng	0.00
86) Perylene-d12	15.16	264	408184	20.00	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.26	112	204836	16.20	ng	0.02
7) Phenol-d6	6.31	99	373156	24.17	ng	0.00
23) Nitrobenzene-d5	7.20	82	263368	16.80	ng	-0.01
41) 2,4,6-Tribromophenol	10.47	330	23401	8.07	ng	0.00
44) 2-Fluorobiphenyl	9.01	172	460577	16.55	ng	0.00
78) Terphenyl-d14	12.73	244	310318	15.51	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.20	77	349	Below Cal	#	60
19) n-Nitroso-di-n-propylamine	7.20	70	34287	3.34 ng	#	81
37) 2-Methylnaphthalene	8.64	142	11317	Below Cal		94
49) Dimethylphthalate	9.41	163	55226	2.46 ng		100
50) 2,6-Dinitrotoluene	9.67	165	47631	9.71 ng	#	31
56) 2,4-Dinitrotoluene	9.67	165	47940	7.79 ng	#	20
70) Phenanthrene	11.18	178	111548	3.86 ng		96
73) Di-n-butylphthalate	11.73	149	2708	Below Cal	#	77
76) Benzidine	12.52	184	925	Below Cal	#	1
77) Pyrene	12.59	202	101369	2.85 ng		98
87) Benzo(b)fluoranthene	14.78	252	63028	2.48 ng	#	53
88) Benzo(k)fluoranthene	14.78	252	63028	2.91 ng	#	54

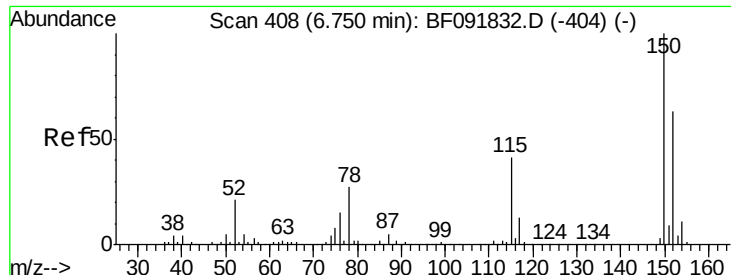
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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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: BF092128.D

Acq: 6 Jan 2017 20:27

Instrument :

BNA_F

ClientSampled :

P3-SP2

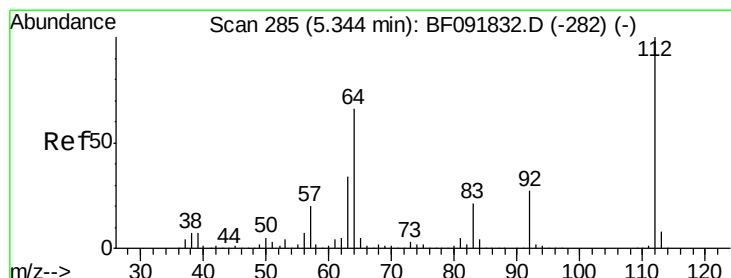
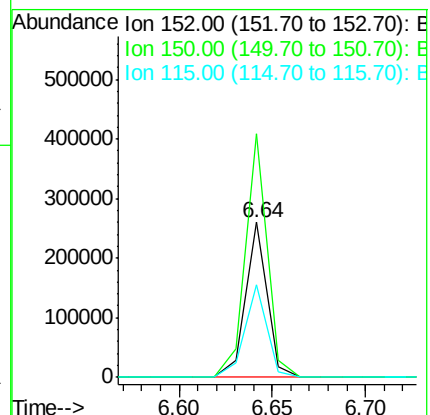
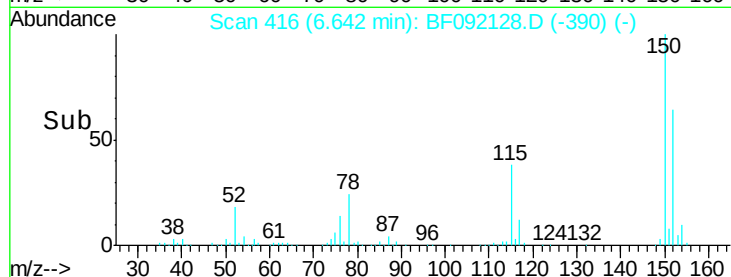
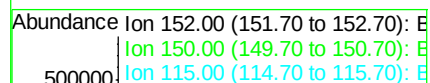
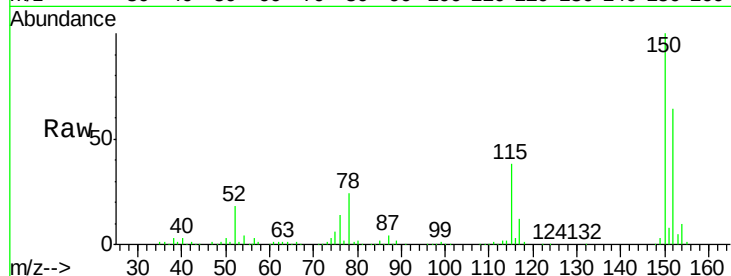
Tgt Ion:152 Resp: 211179

Ion Ratio Lower Upper

152 100

150 157.2 124.9 187.3

115 59.8 46.0 69.0



#5

2-Fluorophenol

Concen: 16.20 ng

RT: 5.26 min Scan# 295

Delta R.T. 0.02 min

Lab File: BF092128.D

Acq: 6 Jan 2017 20:27

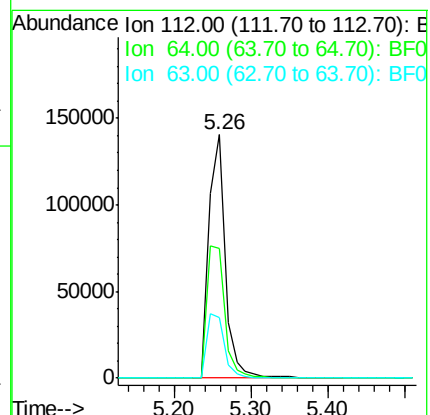
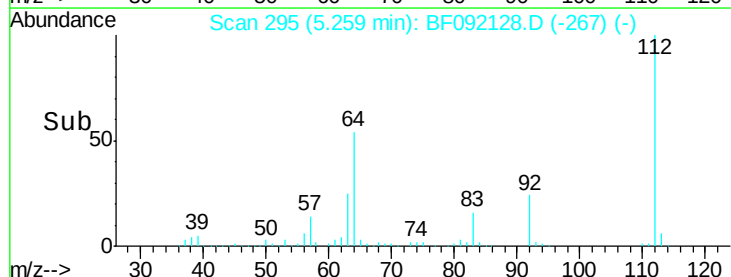
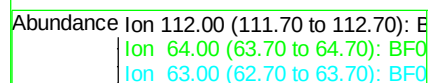
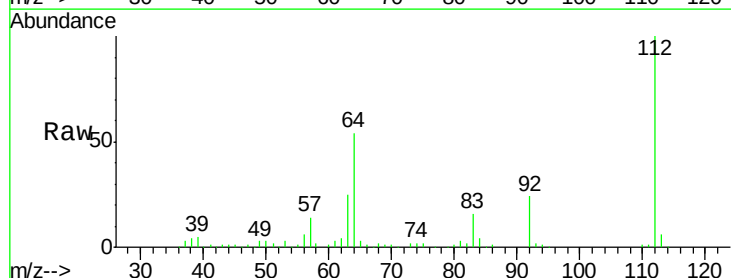
Tgt Ion:112 Resp: 204836

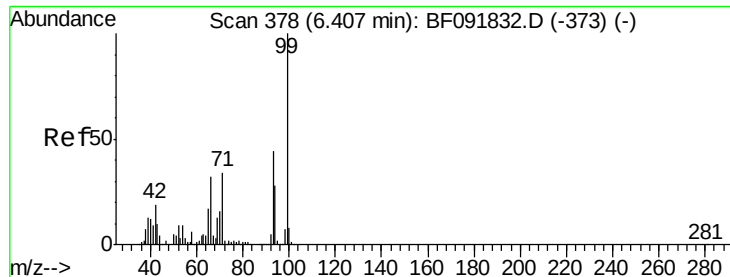
Ion Ratio Lower Upper

112 100

64 53.5 46.1 69.1

63 24.7 23.8 35.6





#7

Phenol-d6

Concen: 24.17 ng

RT: 6.31 min Scan# 387

Delta R.T. 0.00 min

Lab File: BF092128.D

Acq: 6 Jan 2017 20:27

Instrument :

BNA_F

ClientSampleId :

P3-SP2

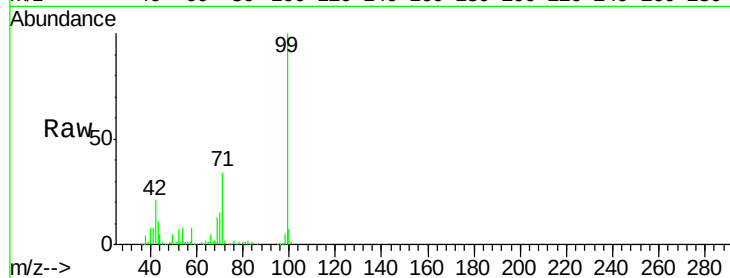
Tgt Ion: 99 Resp: 373156

Ion Ratio Lower Upper

99 100

42 21.1 15.6 23.4

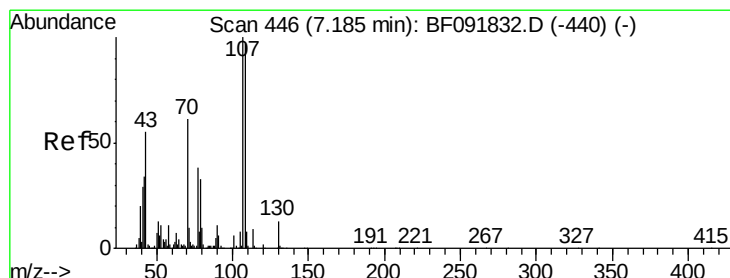
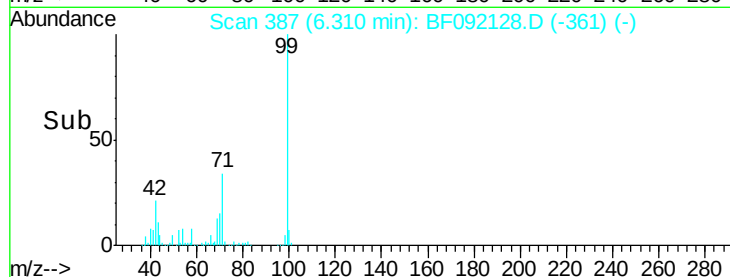
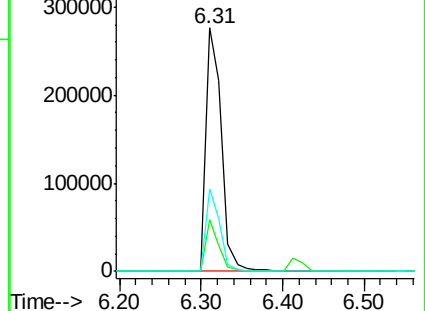
71 33.8 27.5 41.3



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



#19

n-Nitroso-di-n-propylamine

Concen: 3.34 ng

RT: 7.20 min Scan# 465

Delta R.T. 0.13 min

Lab File: BF092128.D

Acq: 6 Jan 2017 20:27

Tgt Ion: 70 Resp: 34287

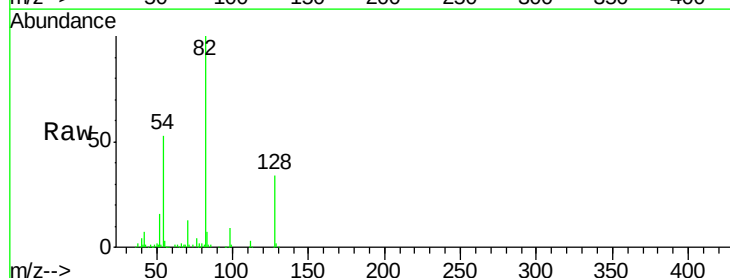
Ion Ratio Lower Upper

70 100

42 52.2 49.4 74.0

101 0.0 7.4 11.2#

130 1.8 14.2 21.4#

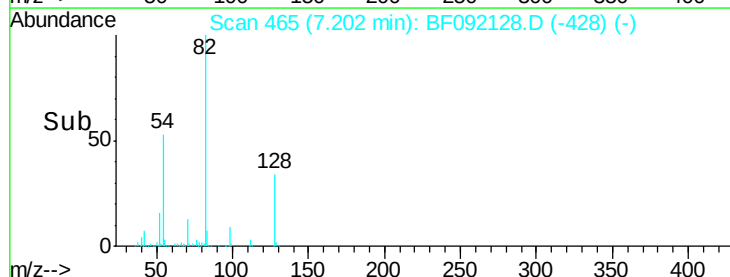
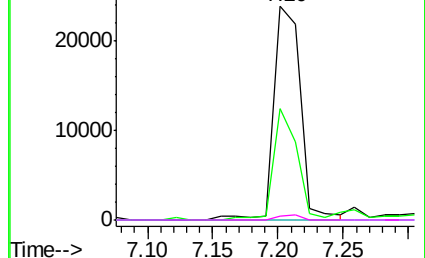


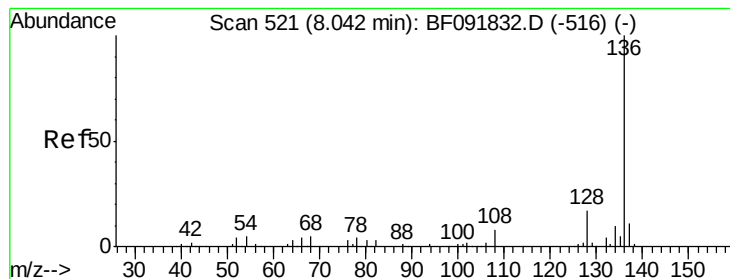
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0





#21

Naphthalene-d8

Concen: 20.00 ng

RT: 7.93 min Scan# 529

Delta R.T. 0.00 min

Lab File: BF092128.D

Acq: 6 Jan 2017 20:27

Instrument :

BNA_F

ClientSampled :

P3-SP2

Tgt Ion:136 Resp: 871824

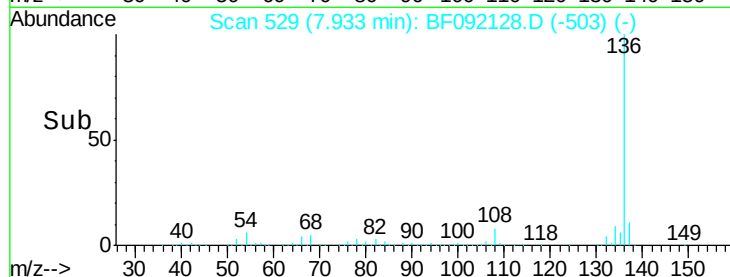
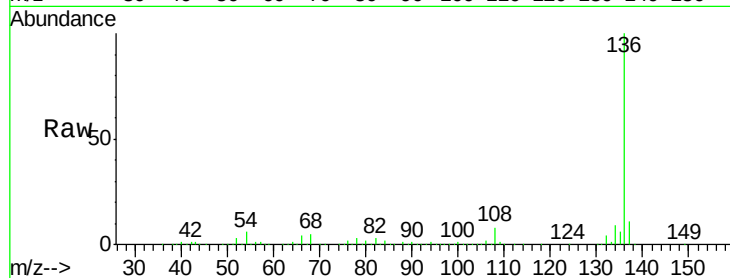
Ion Ratio Lower Upper

136 100

137 10.6 8.4 12.6

54 5.6 4.5 6.7

68 5.3 3.6 5.4

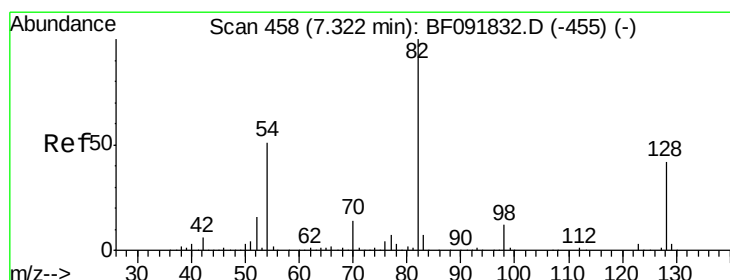
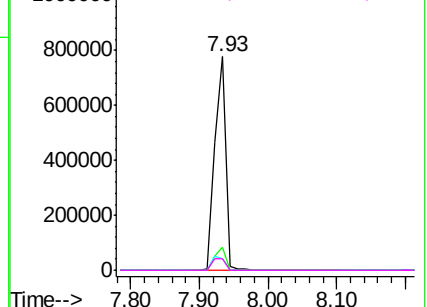


Abundance Ion 136.00 (135.70 to 136.70): E

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: 16.80 ng

RT: 7.20 min Scan# 465

Delta R.T. -0.01 min

Lab File: BF092128.D

Acq: 6 Jan 2017 20:27

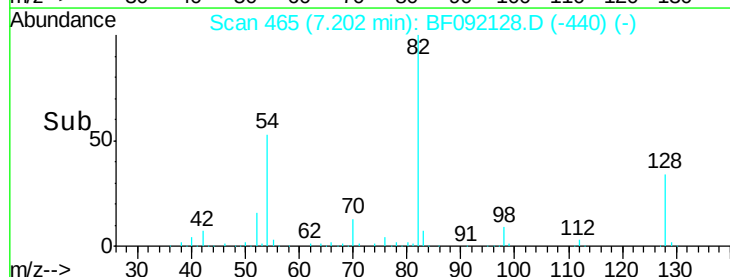
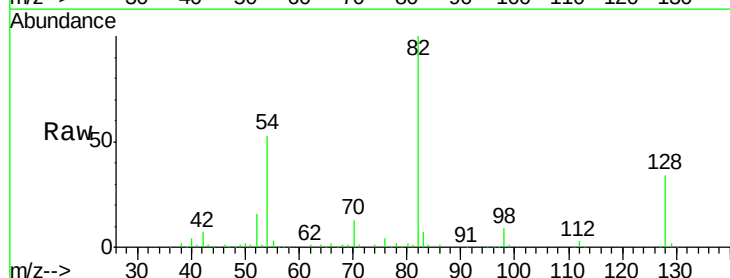
Tgt Ion: 82 Resp: 263368

Ion Ratio Lower Upper

82 100

128 34.1 34.6 52.0#

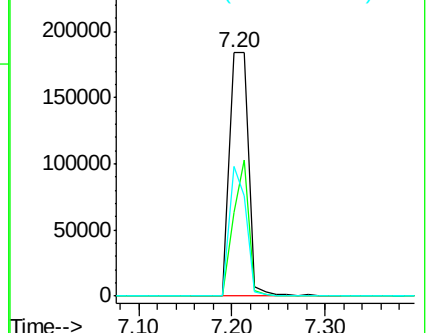
54 53.3 39.5 59.3

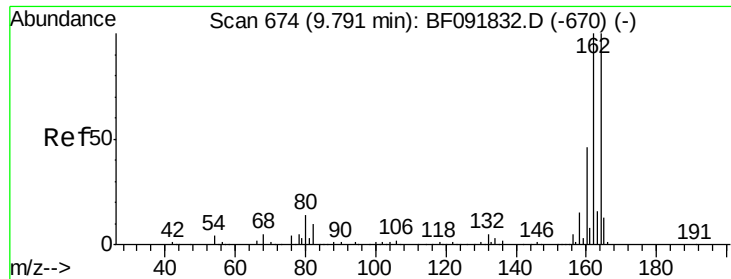


Abundance Ion 82.00 (81.70 to 82.70): BF0

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: BF092128.D

Acq: 6 Jan 2017 20:27

Instrument :

BNA_F

ClientSampleId :

P3-SP2

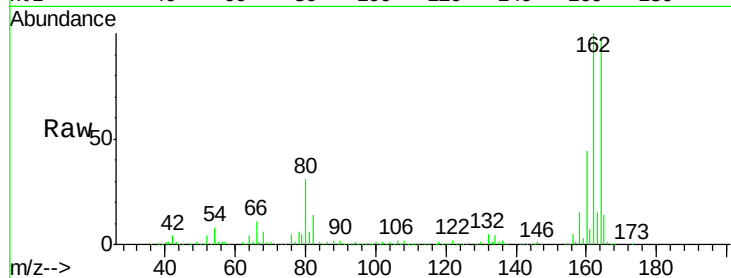
Tgt Ion:164 Resp: 350372

Ion Ratio Lower Upper

164 100

162 103.2 80.2 120.2

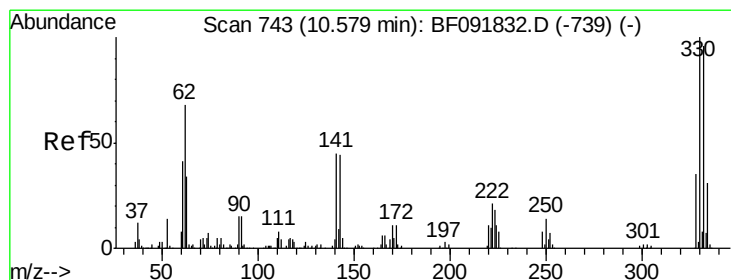
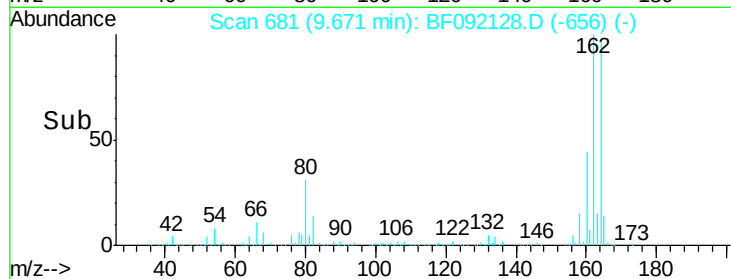
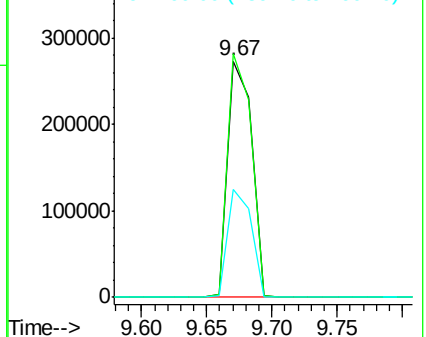
160 45.9 36.9 55.3



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: 8.07 ng

RT: 10.47 min Scan# 751

Delta R.T. 0.00 min

Lab File: BF092128.D

Acq: 6 Jan 2017 20:27

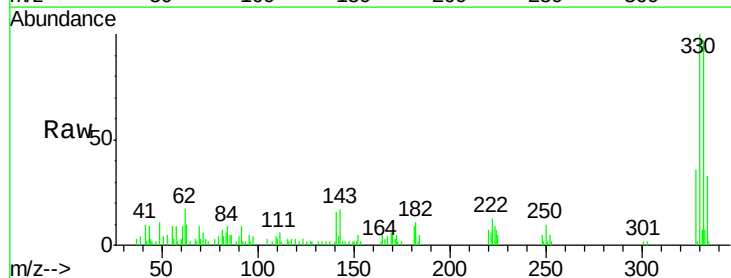
Tgt Ion:330 Resp: 23401

Ion Ratio Lower Upper

330 100

332 94.2 77.4 116.2

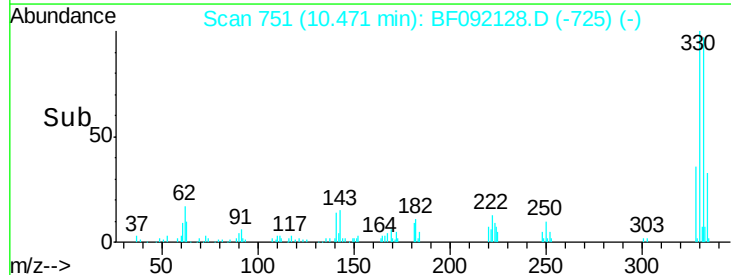
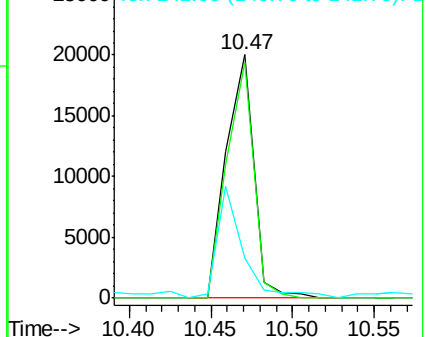
141 43.1 34.1 51.1

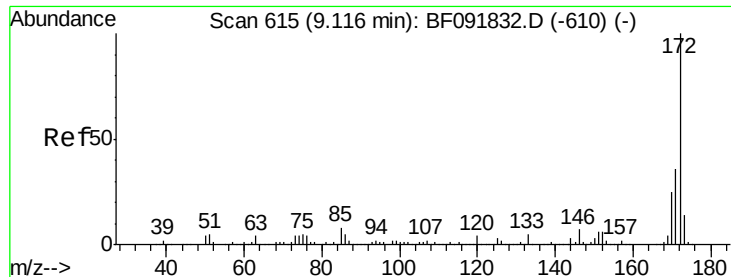


Abundance Ion 329.80 (329.50 to 330.50): E

Ion 331.80 (331.50 to 332.50): E

Ion 141.00 (140.70 to 141.70): E

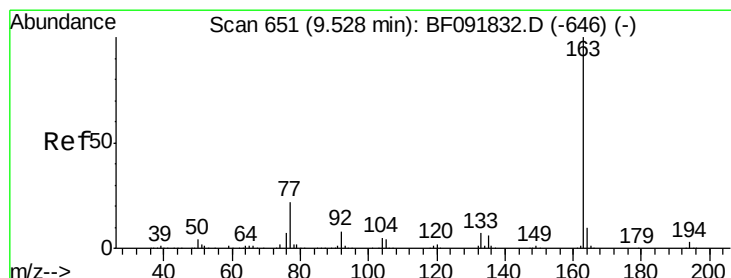
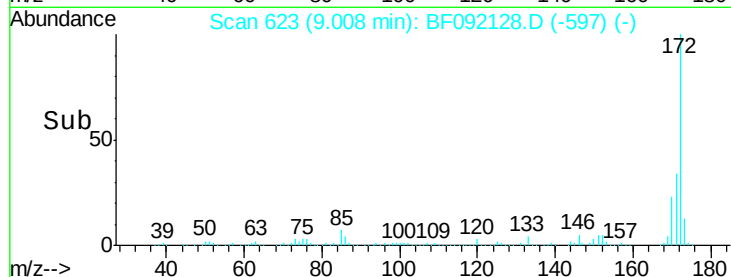
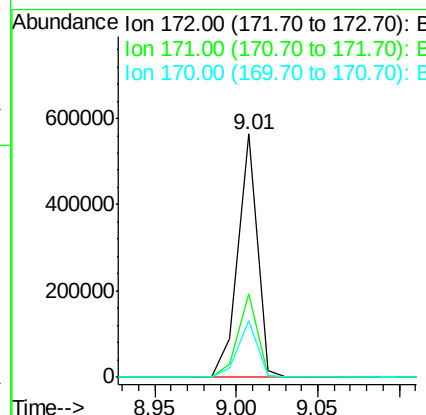
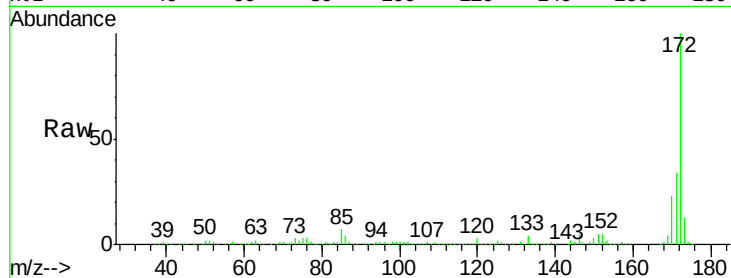




#44
2-Fluorobiphenyl
Concen: 16.55 ng
RT: 9.01 min Scan# 623
Delta R.T. 0.00 min
Lab File: BF092128.D
Acq: 6 Jan 2017 20:27

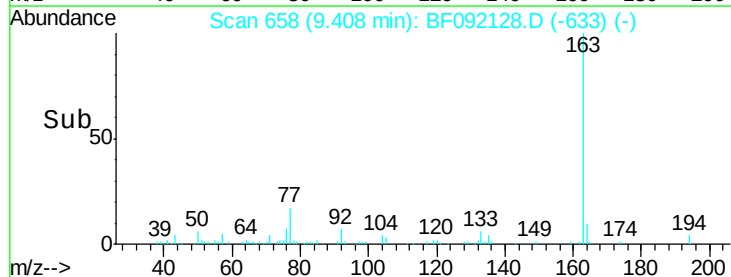
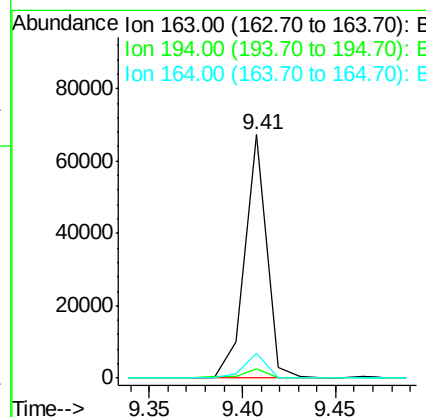
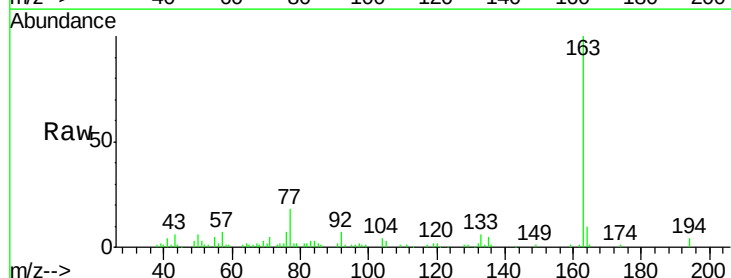
Instrument :
BNA_F
ClientSampleId :
P3-SP2

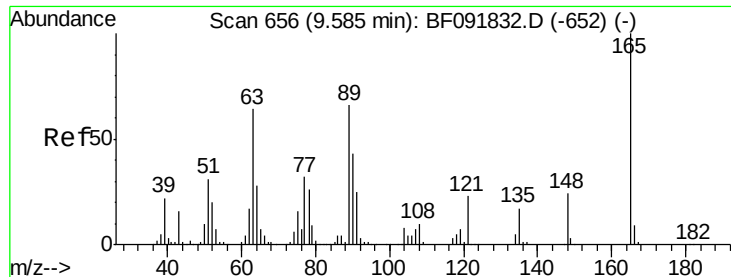
Tgt Ion:172 Resp: 460577
Ion Ratio Lower Upper
172 100
171 34.5 29.4 44.0
170 23.2 20.2 30.4



#49
Dimethylphthalate
Concen: 2.46 ng
RT: 9.41 min Scan# 658
Delta R.T. -0.01 min
Lab File: BF092128.D
Acq: 6 Jan 2017 20:27

Tgt Ion:163 Resp: 55226
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.4
164 10.0 8.0 12.0





#50

2,6-Dinitrotoluene

Concen: 9.71 ng

RT: 9.67 min Scan# 681

Delta R.T. 0.19 min

Lab File: BF092128.D

Acq: 6 Jan 2017 20:27

Instrument :

BNA_F

ClientSampled :

P3-SP2

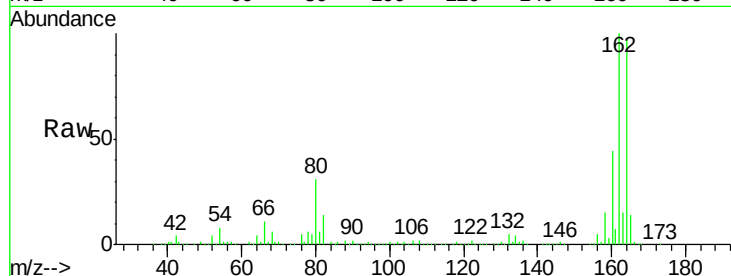
Tgt Ion:165 Resp: 47631

Ion Ratio Lower Upper

165 100

63 1.3 36.2 54.4#

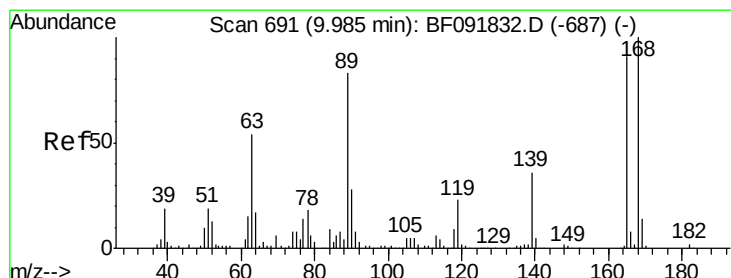
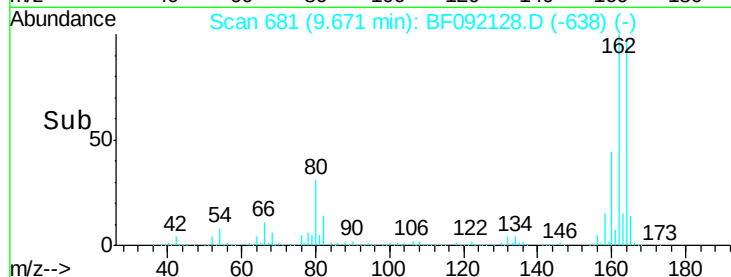
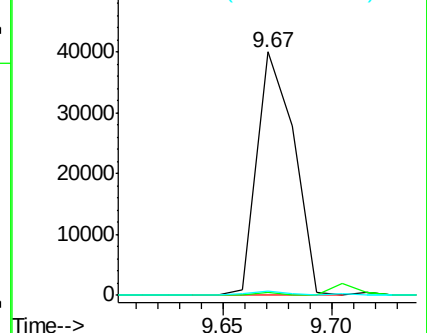
89 1.6 40.2 60.4#



Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#56

2,4-Dinitrotoluene

Concen: 7.79 ng

RT: 9.67 min Scan# 681

Delta R.T. -0.22 min

Lab File: BF092128.D

Acq: 6 Jan 2017 20:27

Tgt Ion:165 Resp: 47940

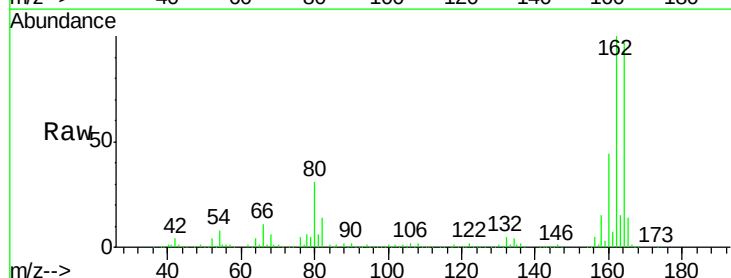
Ion Ratio Lower Upper

165 100

63 1.3 40.2 60.4#

89 1.6 62.5 93.7#

182 0.0 1.8 2.8#

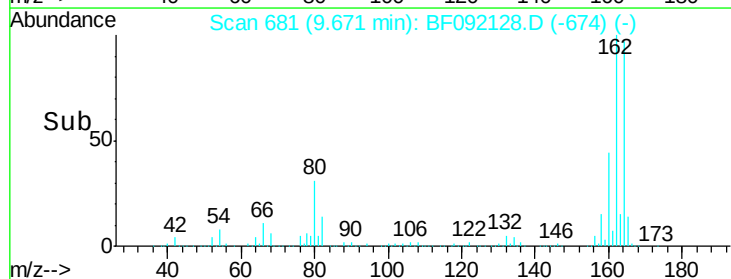
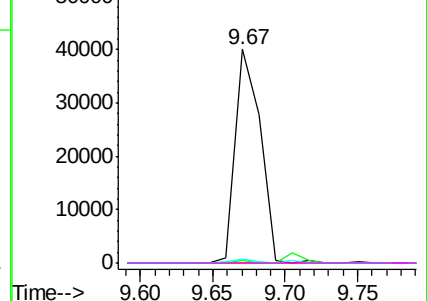


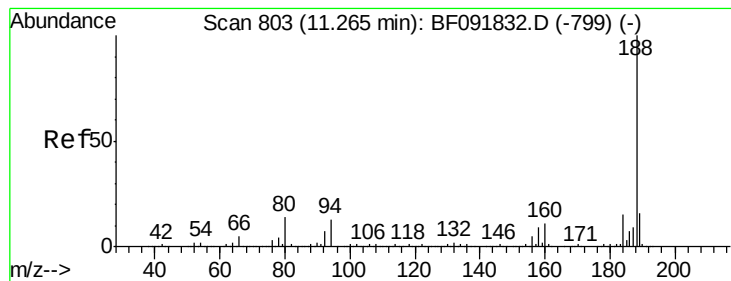
Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E





#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 11.16 min Scan# 811

Delta R.T. 0.00 min

Lab File: BF092128.D

Acq: 6 Jan 2017 20:27

Instrument :

BNA_F

ClientSampleId :

P3-SP2

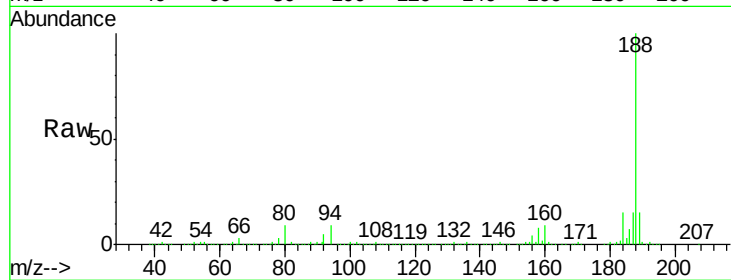
Tgt Ion:188 Resp: 533482

Ion Ratio Lower Upper

188 100

94 8.5 10.0 15.0#

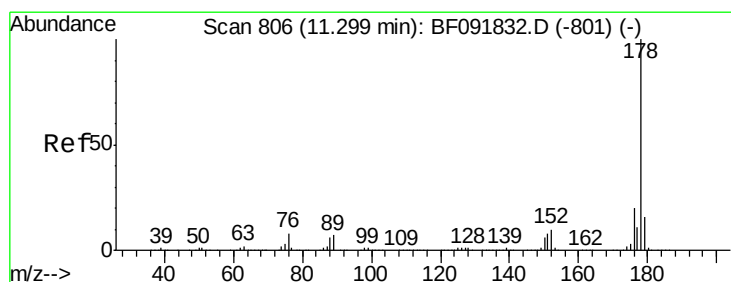
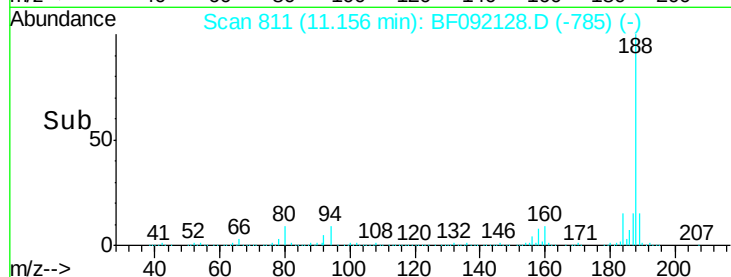
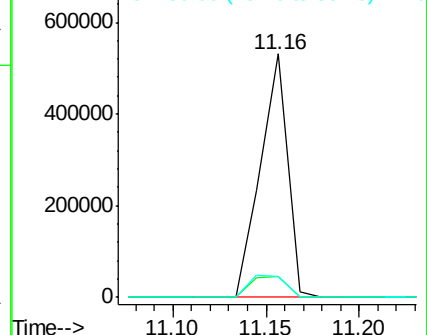
80 8.6 11.2 16.8#



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: 3.86 ng

RT: 11.18 min Scan# 813

Delta R.T. 0.00 min

Lab File: BF092128.D

Acq: 6 Jan 2017 20:27

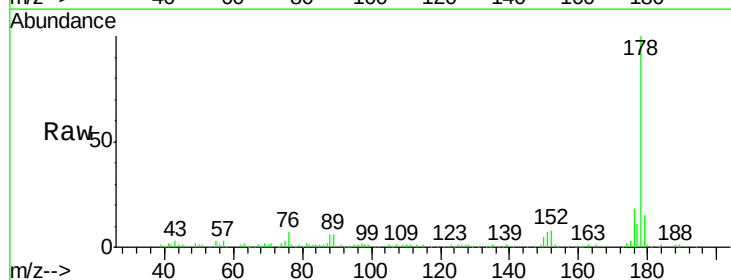
Tgt Ion:178 Resp: 111548

Ion Ratio Lower Upper

178 100

176 18.2 16.6 25.0

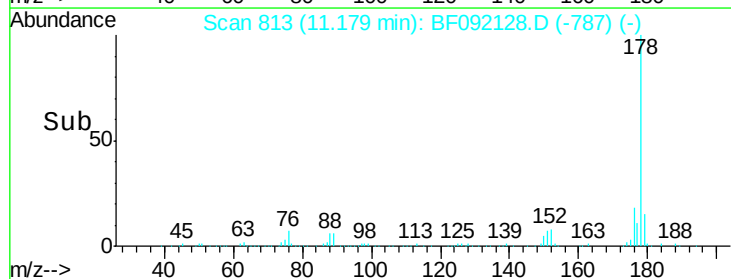
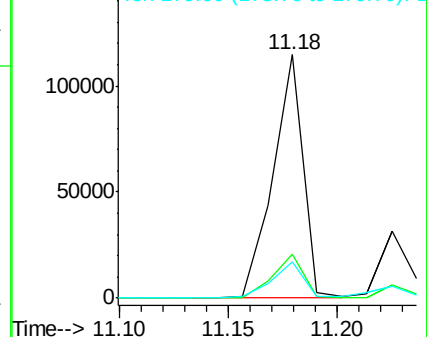
179 15.0 12.8 19.2

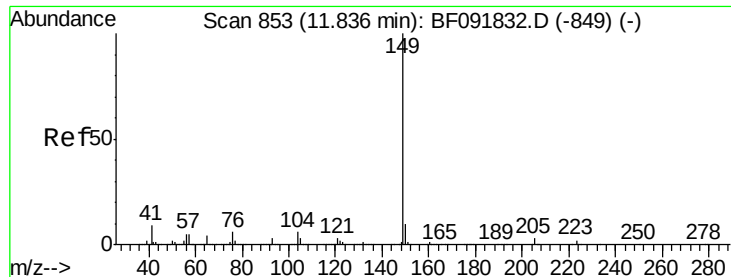


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#73

Di-n-butylphthalate

Concen: Below Cal

RT: 11.73 min Scan# 861

Delta R.T. 0.00 min

Lab File: BF092128.D

Acq: 6 Jan 2017 20:27

Instrument :

BNA_F

ClientSampleId :

P3-SP2

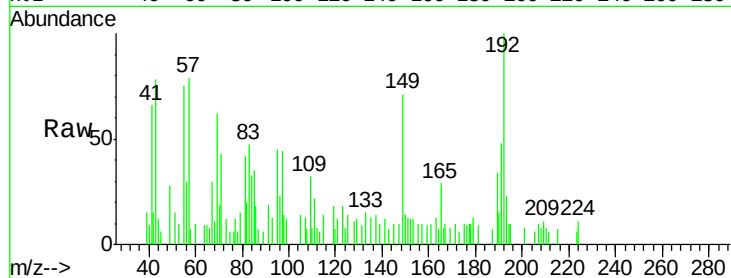
Tgt Ion:149 Resp: 2708

Ion Ratio Lower Upper

149 100

150 19.6 8.1 12.1#

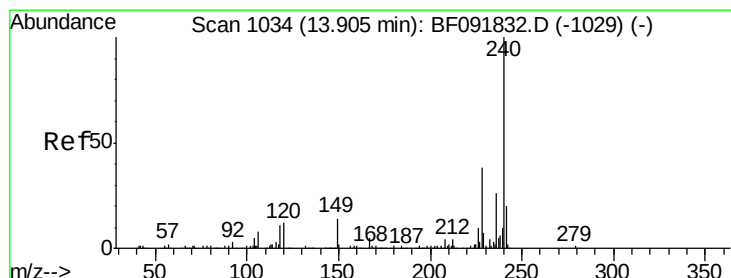
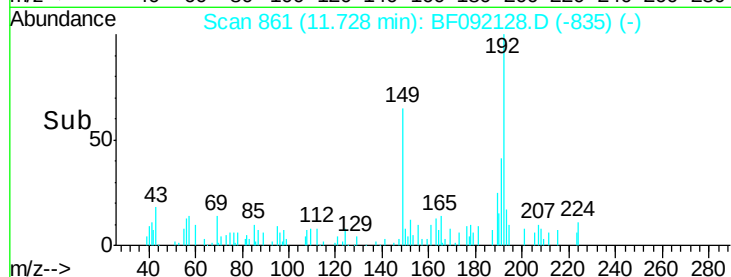
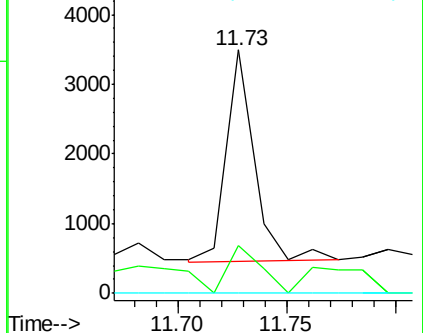
104 0.0 4.6 7.0#



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



#75

Chrysene-d12

Concen: 20.00 ng

RT: 13.79 min Scan# 1041

Delta R.T. 0.00 min

Lab File: BF092128.D

Acq: 6 Jan 2017 20:27

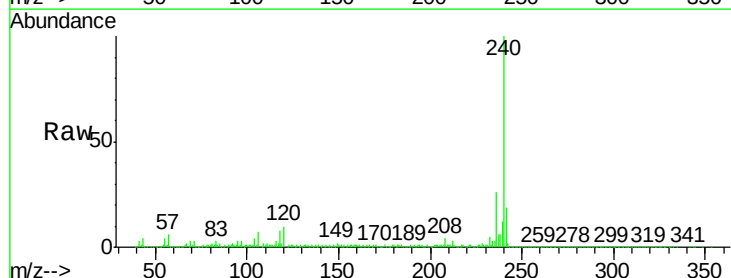
Tgt Ion:240 Resp: 485253

Ion Ratio Lower Upper

240 100

120 10.0 12.9 19.3#

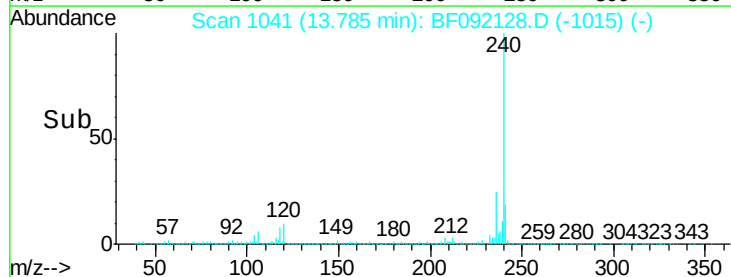
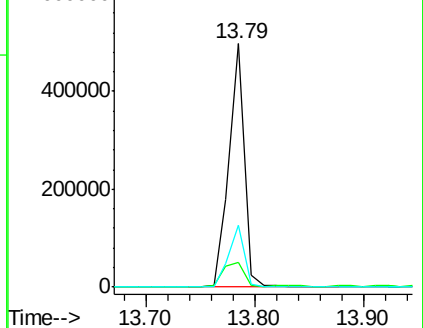
236 25.6 20.9 31.3

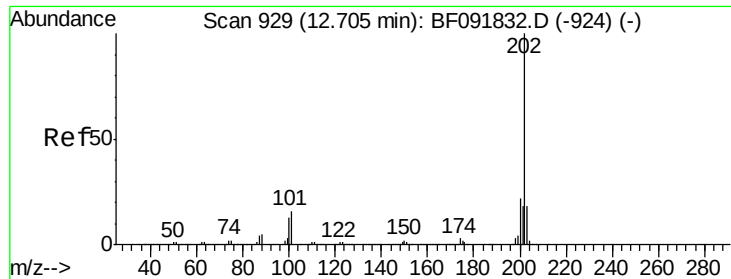


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 2.85 ng

RT: 12.59 min Scan# 936

Delta R.T. 0.00 min

Lab File: BF092128.D

Acq: 6 Jan 2017 20:27

Instrument :

BNA_F

ClientSampleId :

P3-SP2

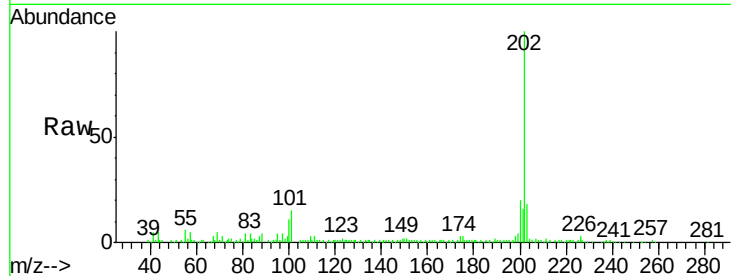
Tgt Ion:202 Resp: 101369

Ion Ratio Lower Upper

202 100

200 20.0 17.7 26.5

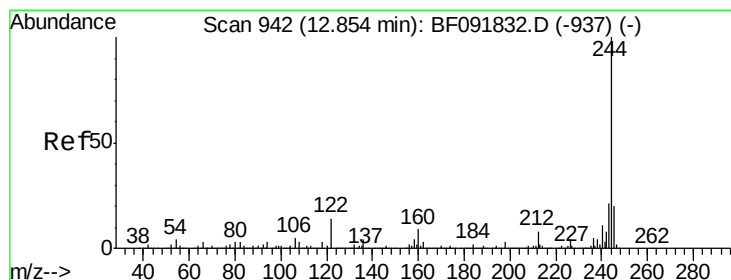
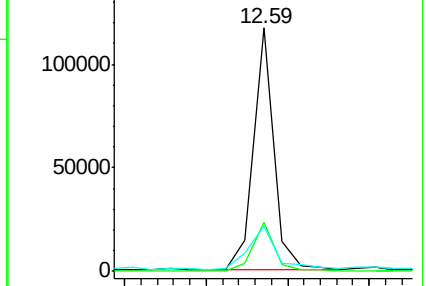
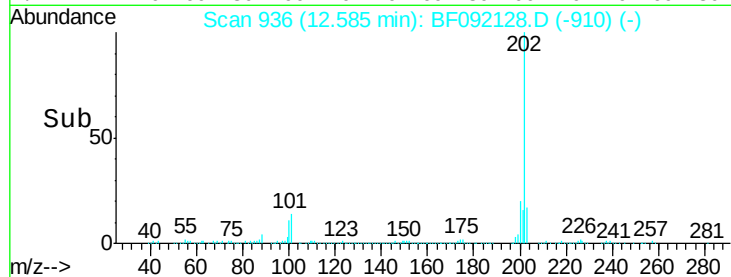
203 18.3 14.7 22.1



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: 15.51 ng

RT: 12.73 min Scan# 949

Delta R.T. -0.01 min

Lab File: BF092128.D

Acq: 6 Jan 2017 20:27

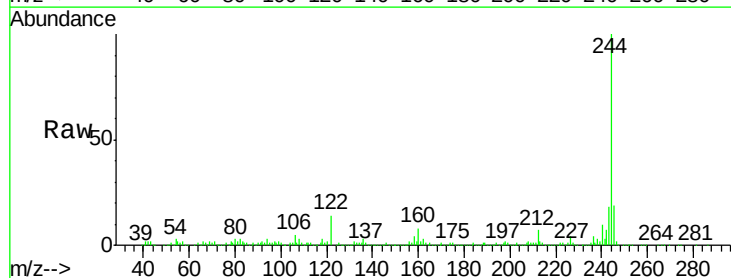
Tgt Ion:244 Resp: 310318

Ion Ratio Lower Upper

244 100

212 6.6 6.2 9.2

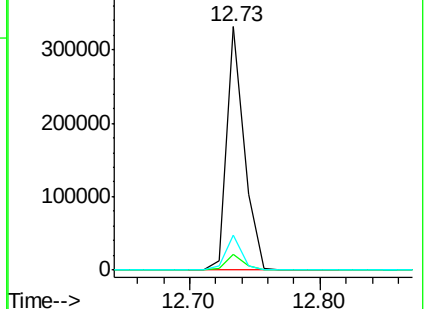
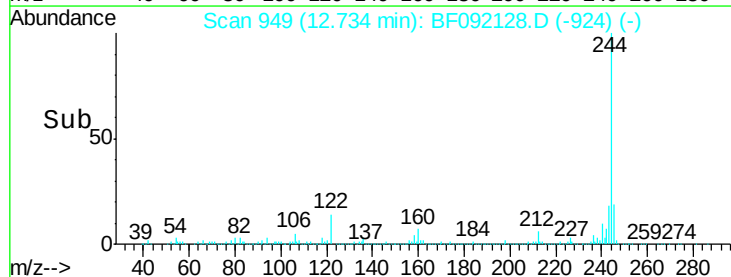
122 14.4 11.4 17.2

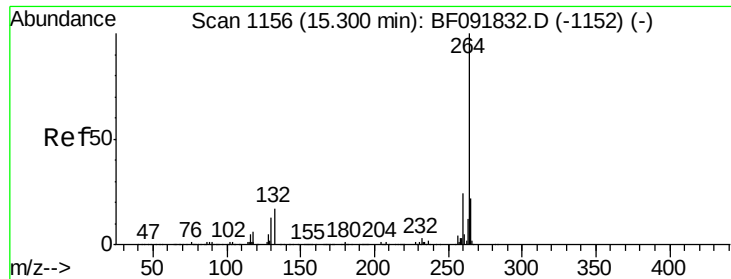


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E

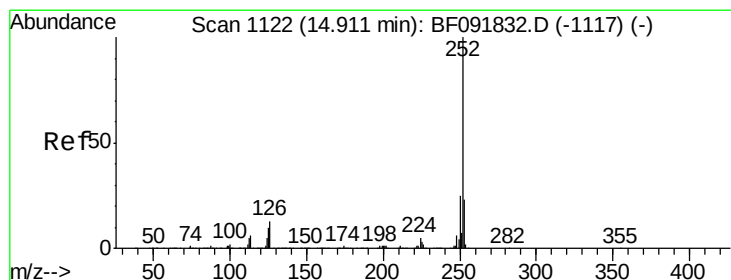
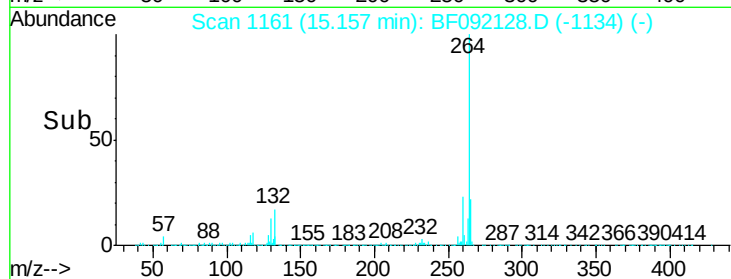
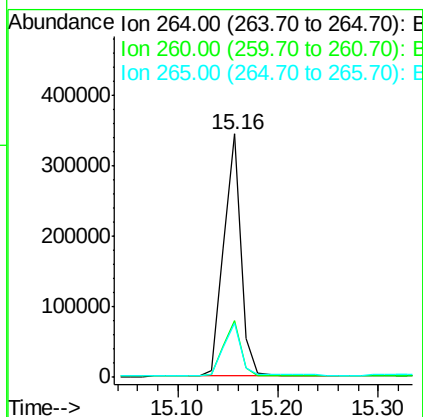
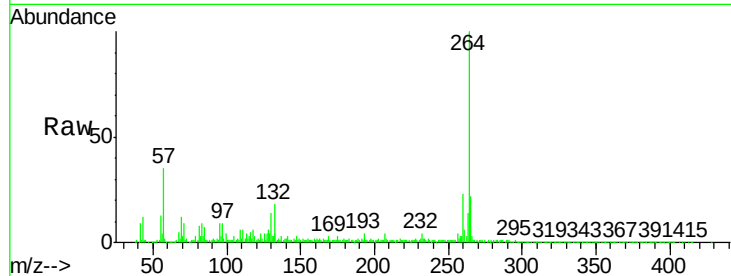




#86
Perylene-d12
Concen: 20.00 ng
RT: 15.16 min Scan# 1161
Delta R.T. 0.01 min
Lab File: BF092128.D
Acq: 6 Jan 2017 20:27

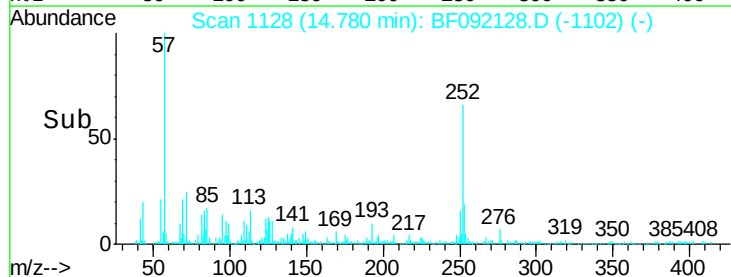
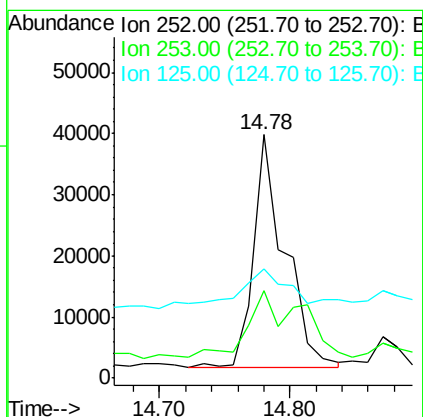
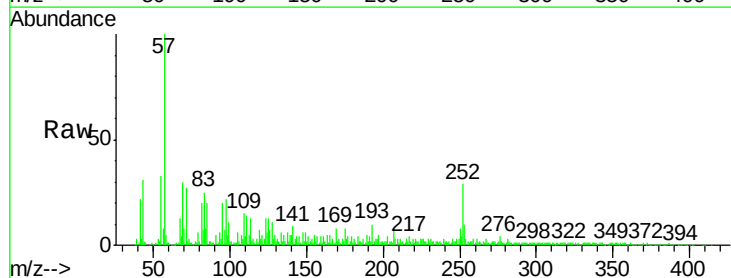
Instrument :
BNA_F
ClientSampleId :
P3-SP2

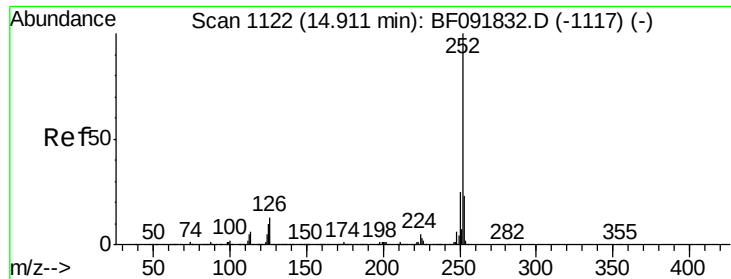
Tgt Ion: 264 Resp: 408184
Ion Ratio Lower Upper
264 100
260 23.1 19.2 28.8
265 22.5 17.4 26.0



#87
Benzo(b)fluoranthene
Concen: 2.48 ng
RT: 14.78 min Scan# 1128
Delta R.T. 0.00 min
Lab File: BF092128.D
Acq: 6 Jan 2017 20:27

Tgt Ion: 252 Resp: 63028
Ion Ratio Lower Upper
252 100
253 35.8 18.2 27.4#
125 44.8 9.8 14.6#





#88

Benzo(k)fluoranthene

Concen: 2.91 ng

RT: 14.78 min Scan# 1128

Delta R.T. -0.02 min

Lab File: BF092128.D

Acq: 6 Jan 2017 20:27

Instrument :

BNA_F

ClientSampleId :

P3-SP2

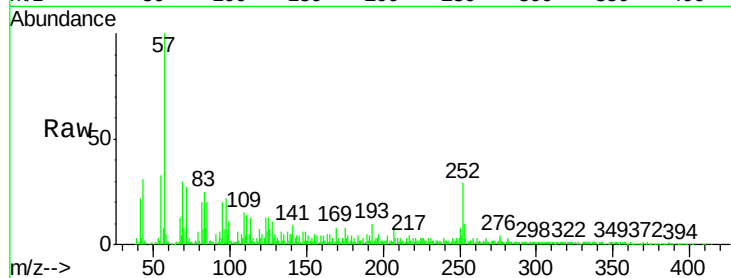
Tgt Ion:252 Resp: 63028

Ion Ratio Lower Upper

252 100

253 35.8 18.5 27.7#

125 44.8 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

