

Data File : BF093094.D
Acq On : 22 Feb 2017 23:55
Operator : SJ/MA
Sample : I1931-09
Misc :
ALS Vial : 22 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P-6

Quant Time: Feb 23 00:51:31 2017
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Feb 17 17:31:55 2017
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.84	152	169087	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	658886	20.00	ng	-0.02
38) Acenaphthene-d10	9.87	164	320759	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	602614	20.00	ng	-0.02
75) Chrysene-d12	13.99	240	450965	20.00	ng	-0.03
86) Perylene-d12	15.41	264	326147	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.46	112	2445	0.25	ng	0.01
7) Phenol-d6	6.48	99	113060	8.92	ng	-0.01
23) Nitrobenzene-d5	7.41	82	1013517	85.66	ng	-0.01
41) 2,4,6-Tribromophenol	0.00	330	0	0.00	ng	
44) 2-Fluorobiphenyl	9.20	172	1593242	89.99	ng	-0.02
78) Terphenyl-d14	12.95	244	1464334	76.30	ng	-0.02

Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.41	70	135150	16.74	ng	# 77
32) Benzoic acid	7.77	122	381	7.22	ng	# 28
49) Dimethylphthalate	9.60	163	310506	14.37	ng	99
55) 4-Nitrophenol	10.08	139	7732	2.01	ng	# 8
56) 2,4-Dinitrotoluene	9.87	165	43746	7.04	ng	# 20
70) Phenanthrene	11.38	178	220065	6.37	ng	96
74) Fluoranthene	12.57	202	221804	6.23	ng	93
77) Pyrene	12.80	202	182254	5.40	ng	96
80) Benzo(a)anthracene	13.97	228	76107	2.76	ng	97
82) Chrysene	13.97	228	76107	2.95	ng	93
87) Benzo(b)fluoranthene	15.00	252	77778	3.62	ng	# 96
88) Benzo(k)fluoranthene	15.00	252	77778	4.20	ng	# 95
89) Benzo(a)pyrene	15.36	252	38891	2.09	ng	100

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

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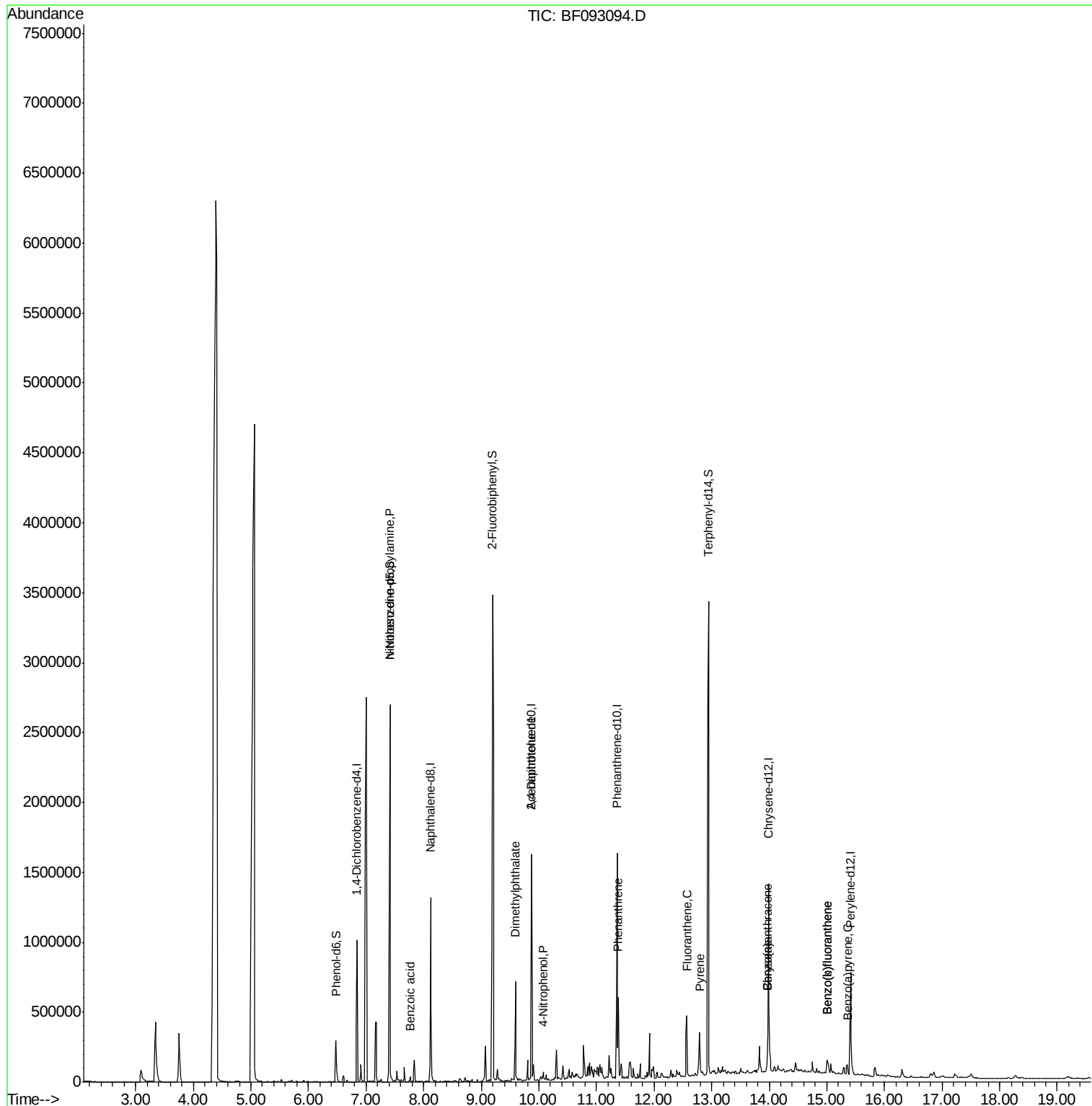
Quant Time: Feb 23 00:51:31 2017

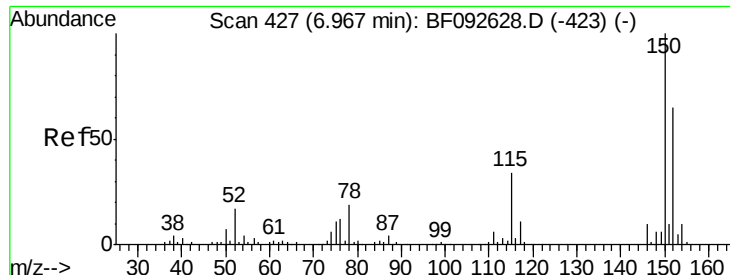
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Feb 17 17:31:55 2017

Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.84 min Scan# 416

Delta R.T. -0.01 min

Lab File: BF093094.D

Acq: 22 Feb 2017 23:55

Instrument :

BNA_F

ClientSampleId :

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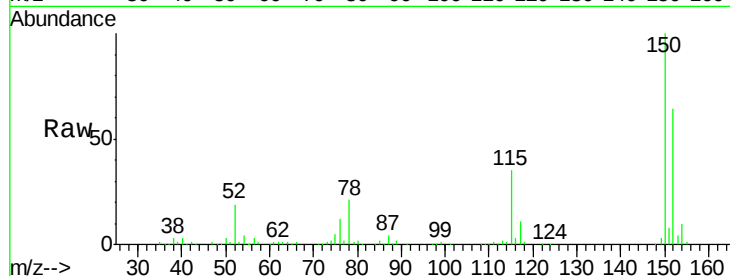
Tgt Ion:152 Resp: 169087

Ion Ratio Lower Upper

152 100

150 156.6 124.9 187.3

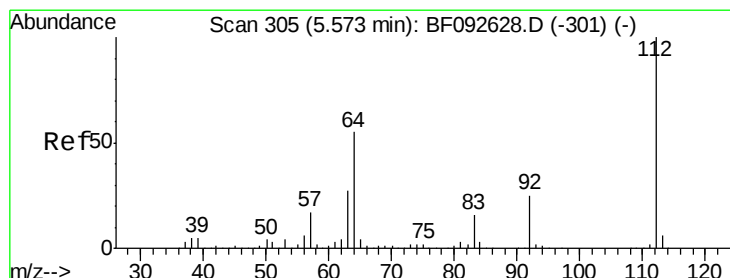
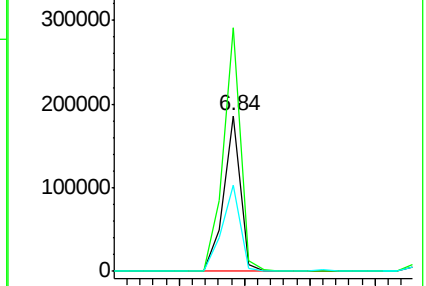
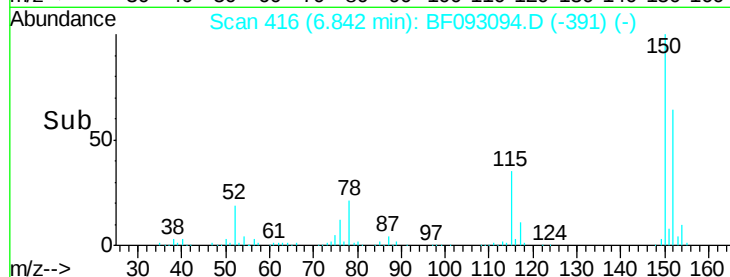
115 55.2 46.0 69.0



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: 0.25 ng

RT: 5.46 min Scan# 295

Delta R.T. 0.01 min

Lab File: BF093094.D

Acq: 22 Feb 2017 23:55

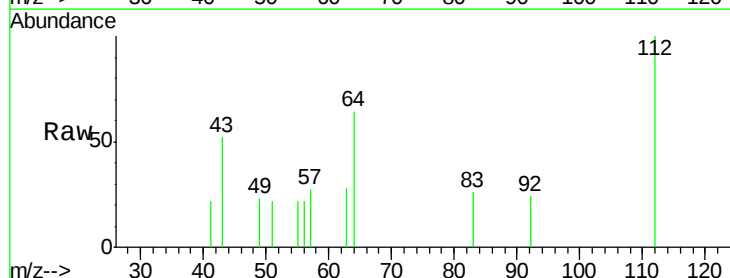
Tgt Ion:112 Resp: 2445

Ion Ratio Lower Upper

112 100

64 64.2 46.1 69.1

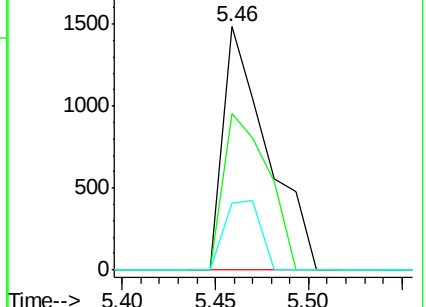
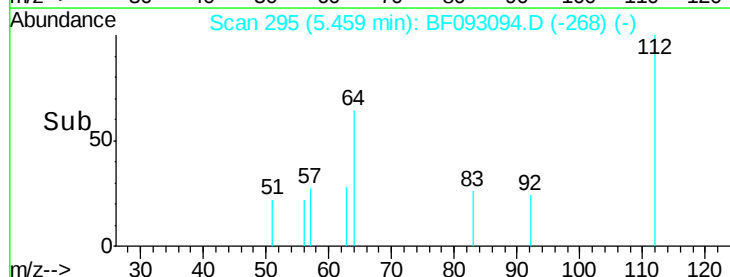
63 27.6 23.8 35.6



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: 8.92 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093094.D

Acq: 22 Feb 2017 23:55

Instrument :

BNA_F

ClientSampleId :

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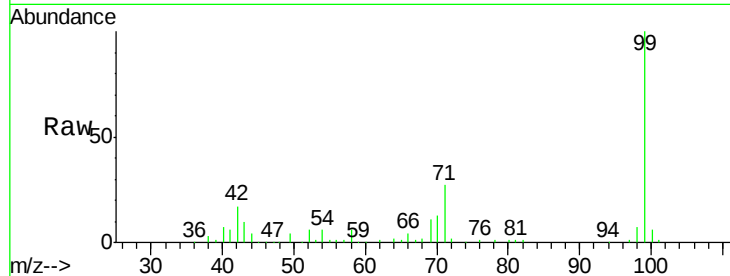
Tgt Ion: 99 Resp: 113060

Ion Ratio Lower Upper

99 100

42 17.2 15.6 23.4

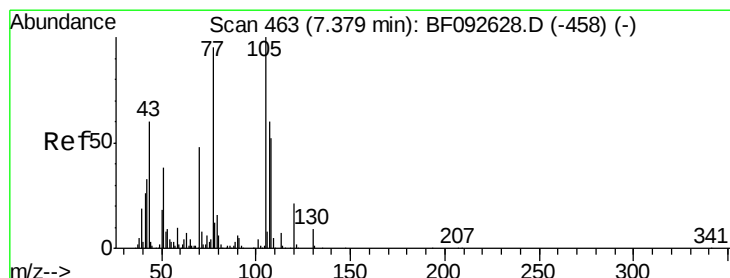
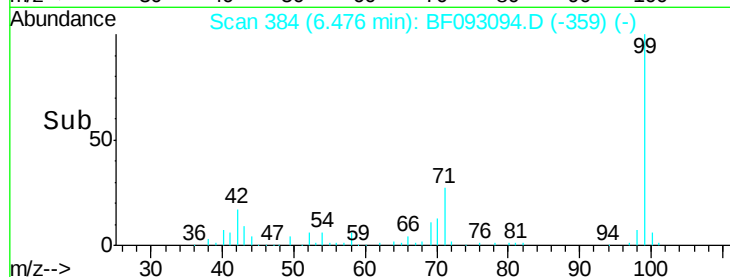
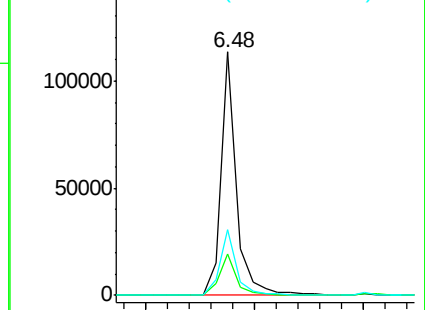
71 27.2 27.5 41.3#



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: 16.74 ng

RT: 7.41 min Scan# 466

Delta R.T. 0.14 min

Lab File: BF093094.D

Acq: 22 Feb 2017 23:55

Tgt Ion: 70 Resp: 135150

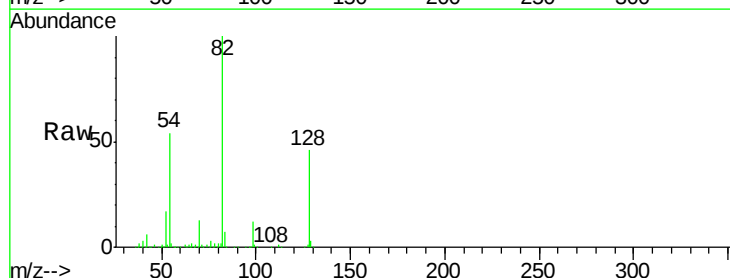
Ion Ratio Lower Upper

70 100

42 47.0 49.4 74.0#

101 0.0 7.4 11.2#

130 2.4 14.2 21.4#

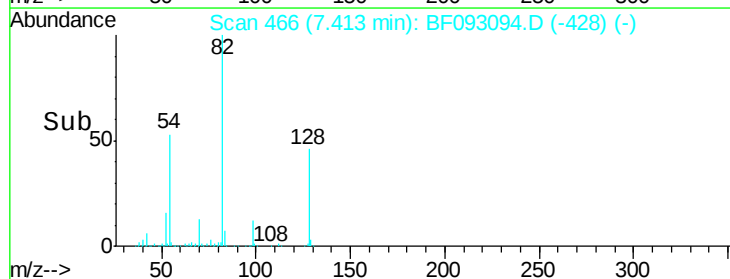
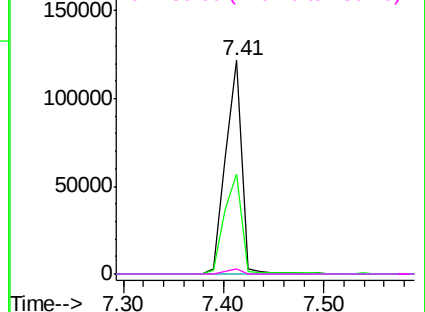


Abundance Ion 70.00 (69.70 to 70.70): BF0

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

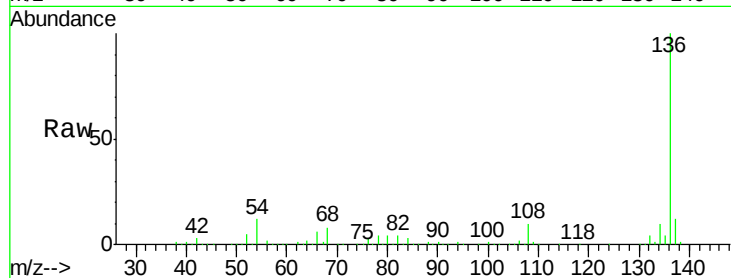




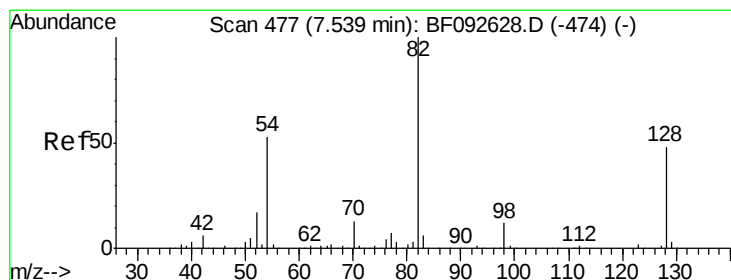
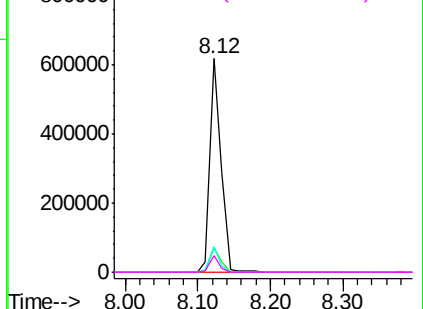
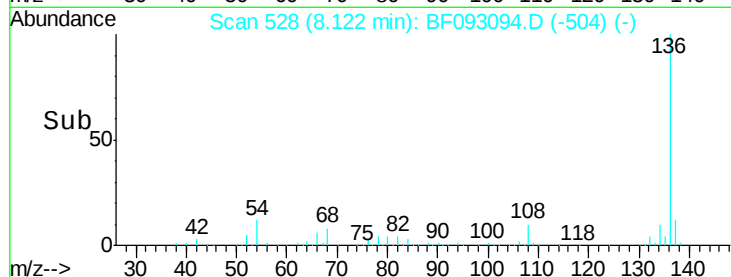
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093094.D
Acq: 22 Feb 2017 23:55

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BNA_F
ClientSampleId :
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Tgt Ion:	136	Resp:	658886
Ion	Ratio	Lower	Upper
136	100		
137	11.5	8.4	12.6
54	11.8	4.5	6.7#
68	8.0	3.6	5.4#

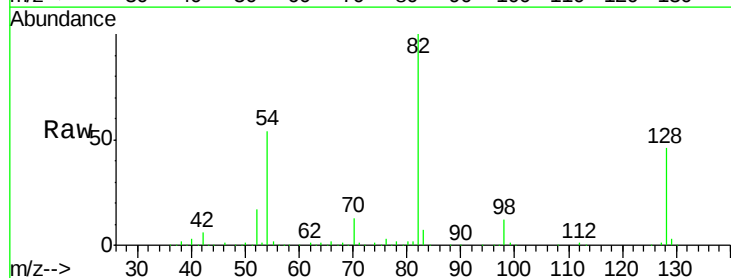


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

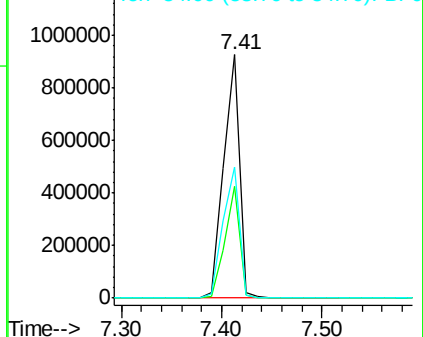
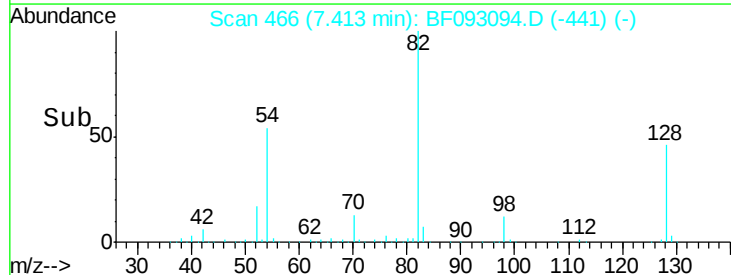


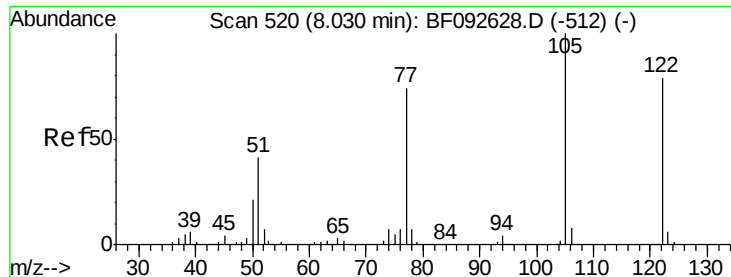
#23
Nitrobenzene-d5
Concen: 85.66 ng
RT: 7.41 min Scan# 466
Delta R.T. -0.01 min
Lab File: BF093094.D
Acq: 22 Feb 2017 23:55

Tgt Ion:	82	Resp:	1013517
Ion	Ratio	Lower	Upper
82	100		
128	45.8	34.6	52.0
54	53.6	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





#32

Benzoic acid

Concen: 7.22 ng

RT: 7.77 min Scan# 497

Delta R.T. -0.16 min

Lab File: BF093094.D

Acq: 22 Feb 2017 23:55

Instrument :

BNA_F

ClientSampleId :

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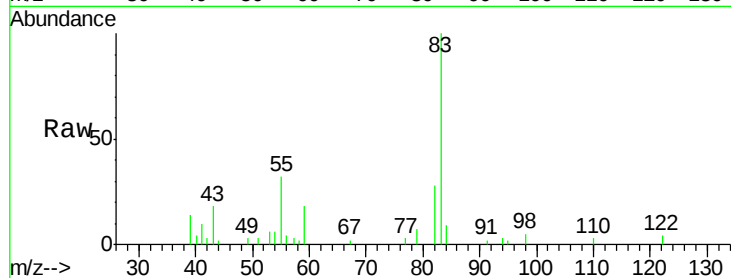
Tgt Ion:122 Resp: 381

Ion Ratio Lower Upper

122 100

105 0.0 107.2 147.2#

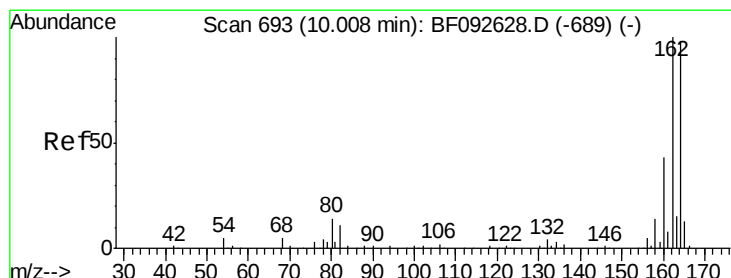
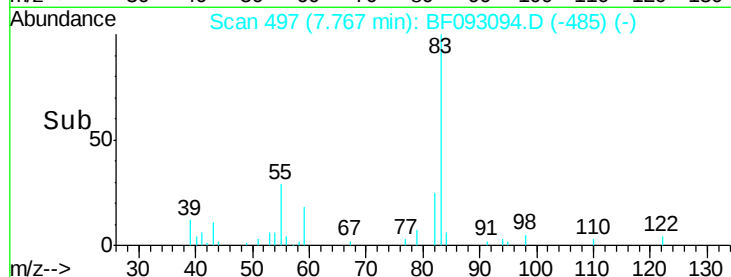
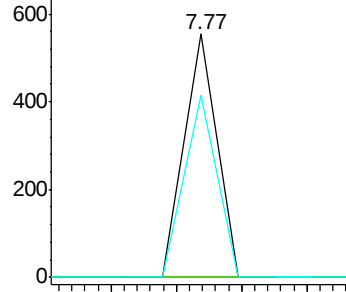
77 74.8 74.5 114.5



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BF0



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF093094.D

Acq: 22 Feb 2017 23:55

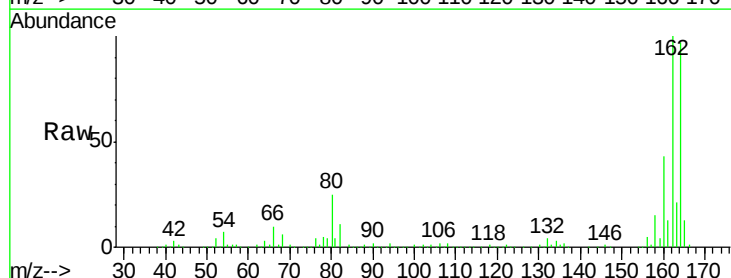
Tgt Ion:164 Resp: 320759

Ion Ratio Lower Upper

164 100

162 102.7 80.2 120.2

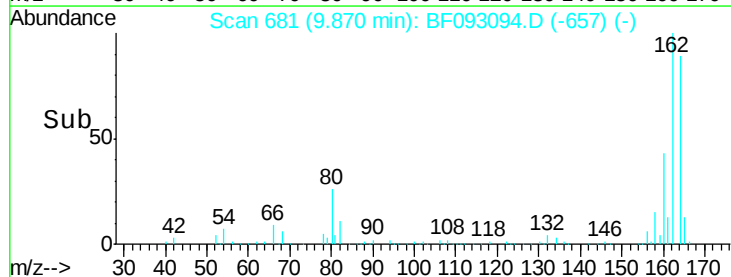
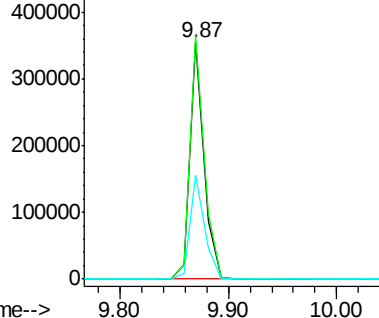
160 44.0 36.9 55.3

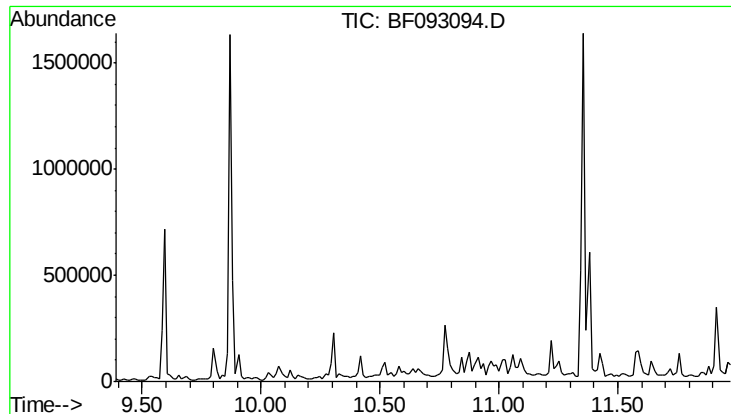


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

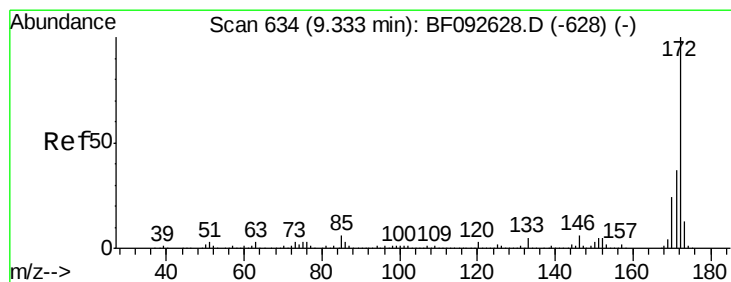
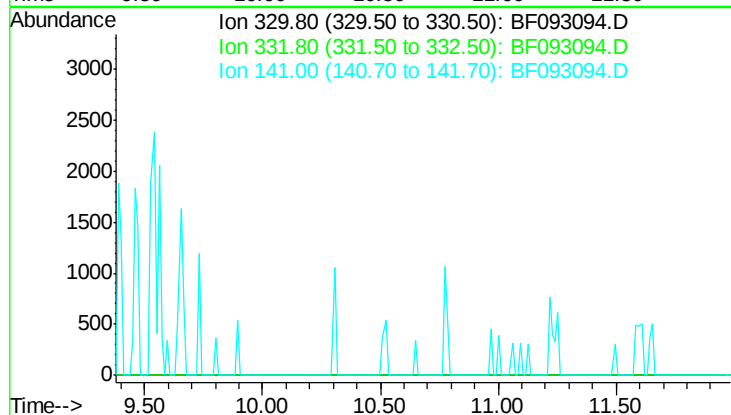




#41
 2,4,6-Tribromophenol
 Concen: 0.00 ng
 Expected RT: 10.68 min
 Lab File: BF093094.D
 Acq: 22 Feb 2017 23:55

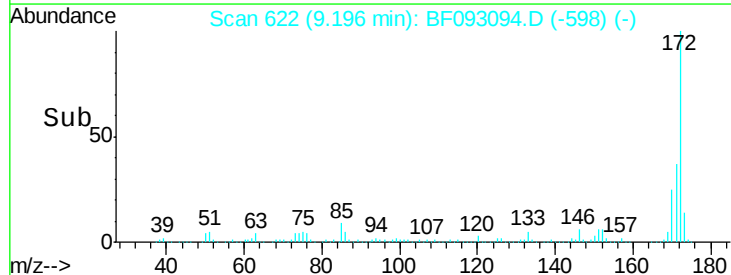
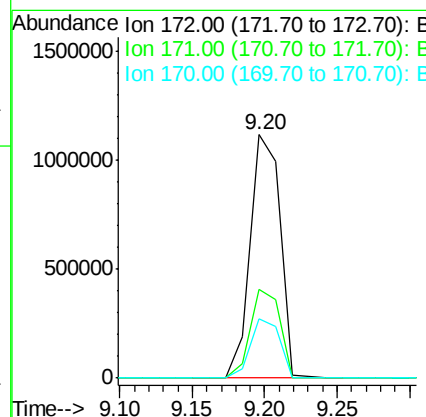
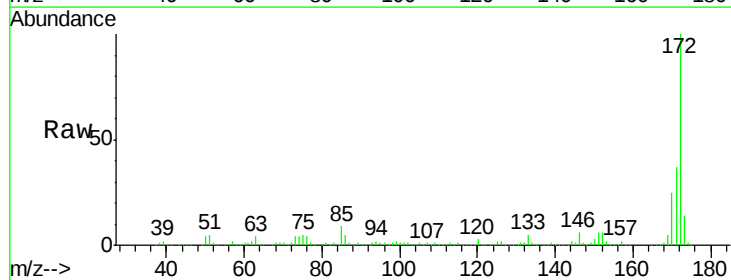
Instrument :
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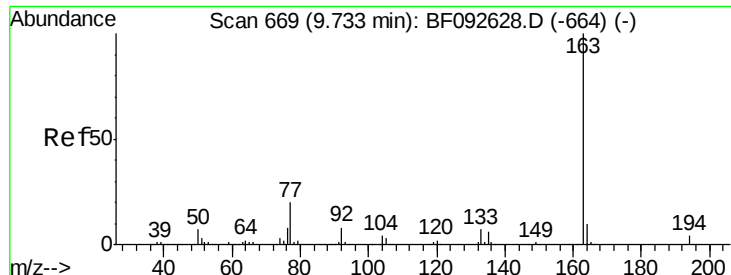
Tgt Ion: 330
 Sig Exp Ratio
 330 100
 332 96.8
 141 42.6



#44
 2-Fluorobiphenyl
 Concen: 89.99 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.02 min
 Lab File: BF093094.D
 Acq: 22 Feb 2017 23:55

Tgt Ion: 172 Resp: 1593242
 Ion Ratio Lower Upper
 172 100
 171 36.7 29.4 44.0
 170 24.6 20.2 30.4





#49

Dimethylphthalate

Concen: 14.37 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.02 min

Lab File: BF093094.D

Acq: 22 Feb 2017 23:55

Instrument :

BNA_F

ClientSampleId :

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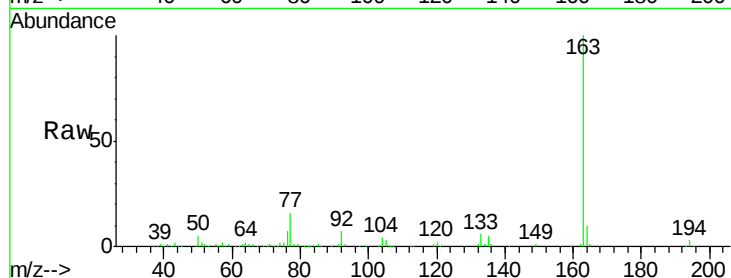
Tgt Ion:163 Resp: 310506

Ion Ratio Lower Upper

163 100

194 3.5 3.0 4.4

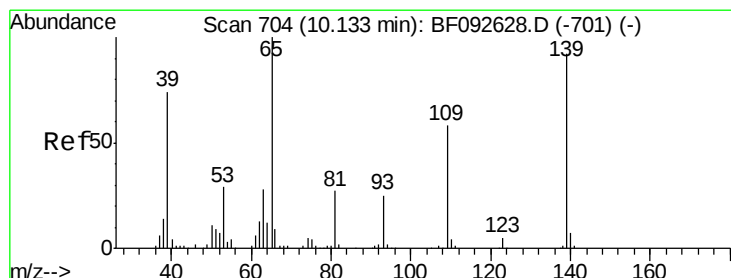
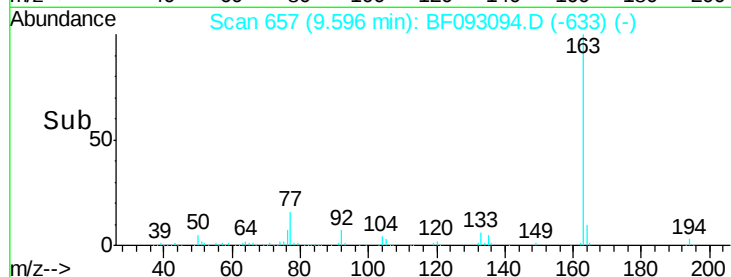
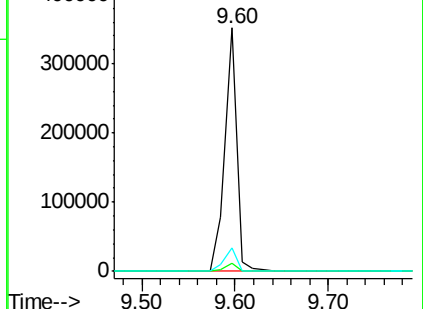
164 9.8 8.0 12.0



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



#55

4-Nitrophenol

Concen: 2.01 ng

RT: 10.08 min Scan# 699

Delta R.T. 0.06 min

Lab File: BF093094.D

Acq: 22 Feb 2017 23:55

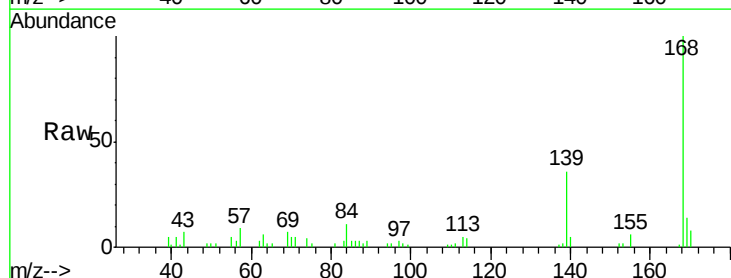
Tgt Ion:139 Resp: 7732

Ion Ratio Lower Upper

139 100

109 3.8 52.2 92.2#

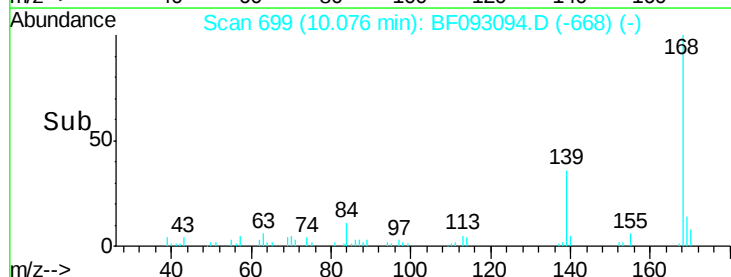
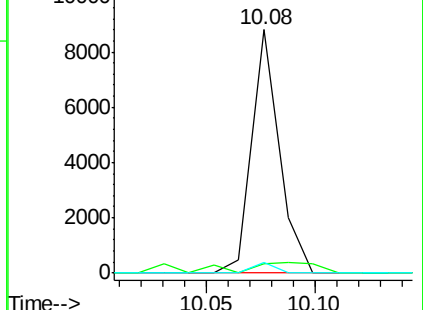
65 4.5 85.8 125.8#

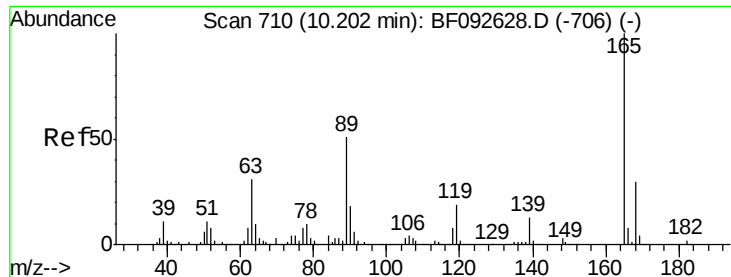


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

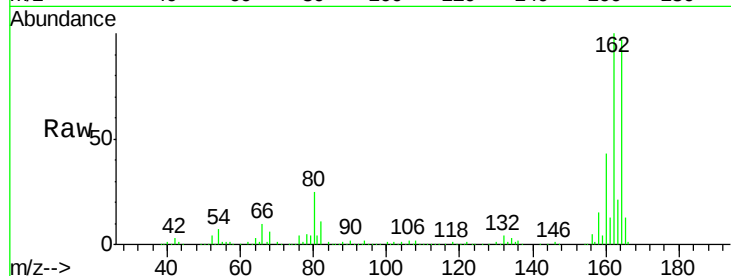




#56
 2,4-Dinitrotoluene
 Concen: 7.04 ng
 RT: 9.87 min Scan# 681
 Delta R.T. -0.22 min
 Lab File: BF093094.D
 Acq: 22 Feb 2017 23:55

Instrument :
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Tgt Ion	Ratio	Lower	Upper
165	100		
63	1.7	40.2	60.4#
89	1.3	62.5	93.7#
182	0.0	1.8	2.8#

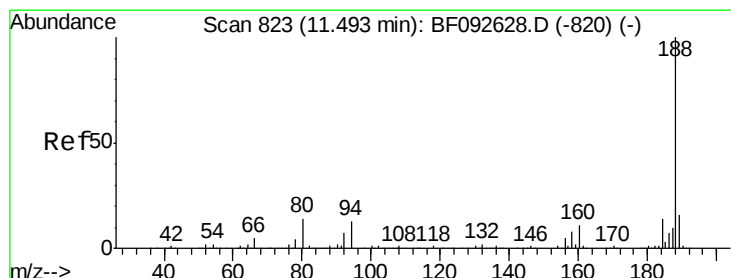
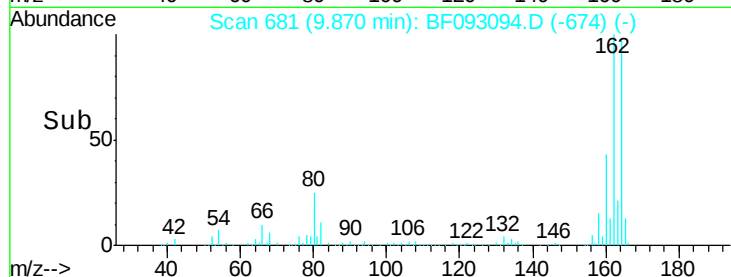
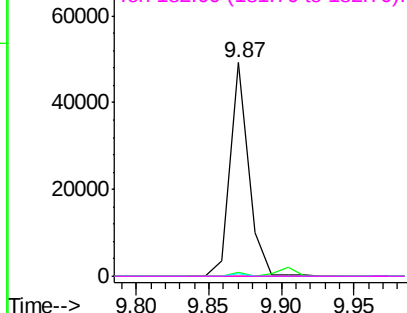


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

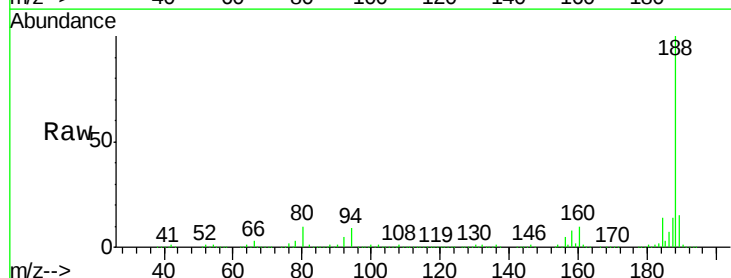
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.36 min Scan# 811
 Delta R.T. -0.02 min
 Lab File: BF093094.D
 Acq: 22 Feb 2017 23:55

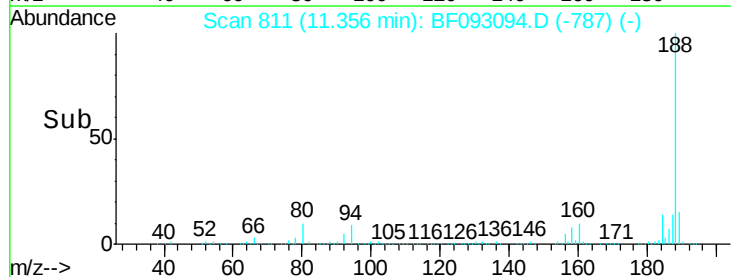
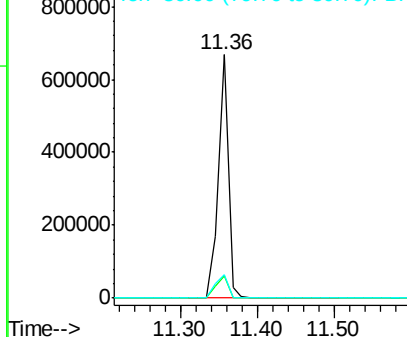
Tgt Ion	Ratio	Lower	Upper
188	100		
94	9.3	10.0	15.0#
80	9.8	11.2	16.8#

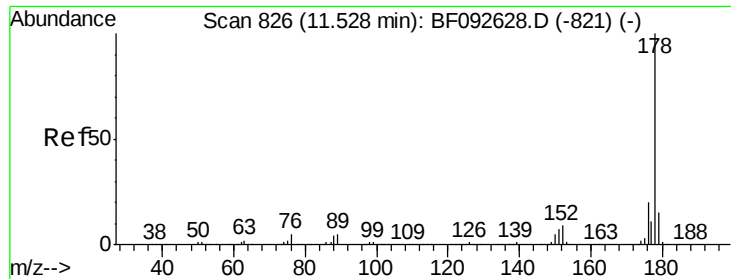


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

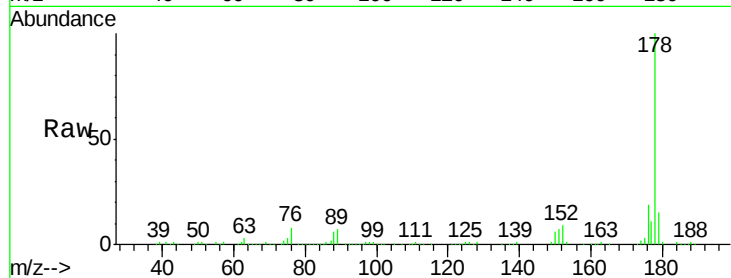




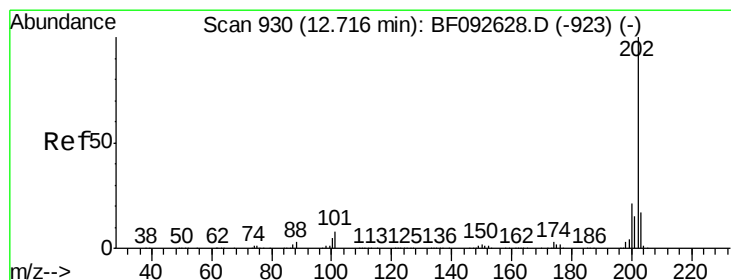
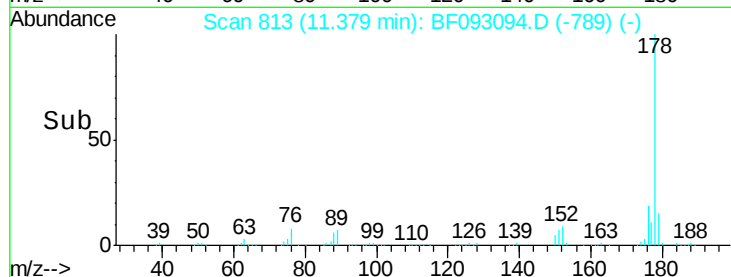
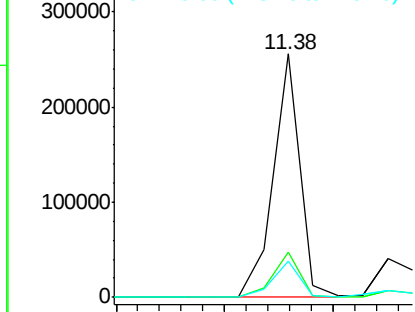
#70
Phenanthrene
Concen: 6.37 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.02 min
Lab File: BF093094.D
Acq: 22 Feb 2017 23:55

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:178 Resp: 220065
Ion Ratio Lower Upper
178 100
176 18.7 16.6 25.0
179 15.1 12.8 19.2

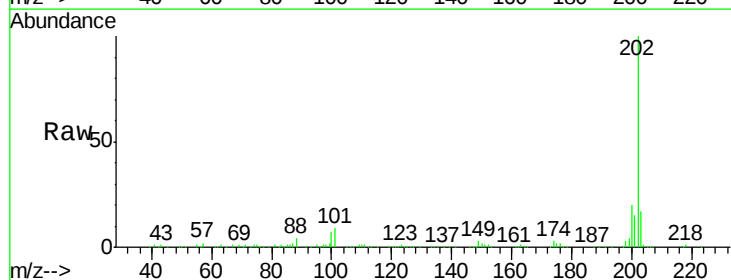


Abundance Ion 178.00 (177.70 to 178.70): E
Ion 176.00 (175.70 to 176.70): E
Ion 179.00 (178.70 to 179.70): E

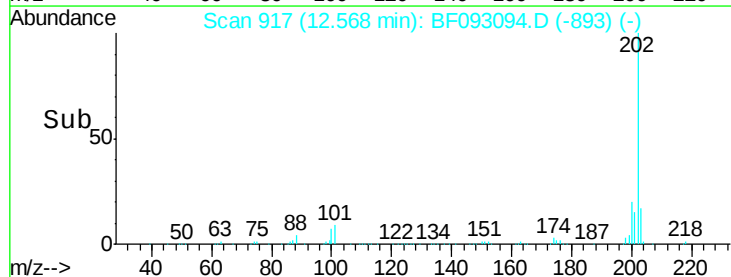
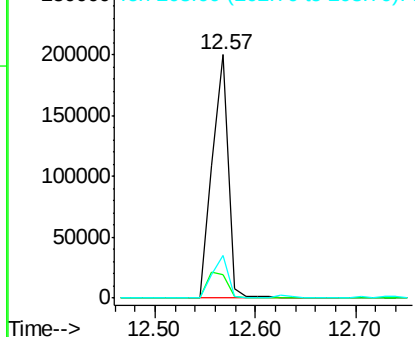


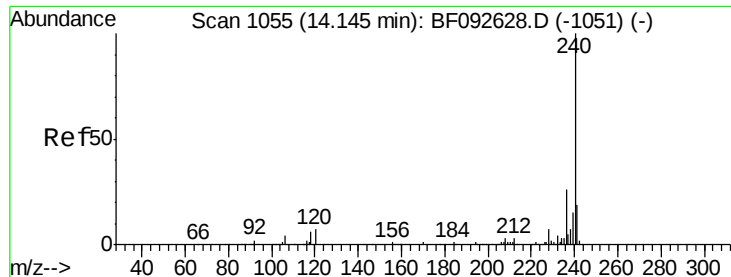
#74
Fluoranthene
Concen: 6.23 ng
RT: 12.57 min Scan# 917
Delta R.T. -0.02 min
Lab File: BF093094.D
Acq: 22 Feb 2017 23:55

Tgt Ion:202 Resp: 221804
Ion Ratio Lower Upper
202 100
101 9.4 0.0 34.6
203 17.3 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: 13.99 min Scan# 1041

Delta R.T. -0.03 min

Lab File: BF093094.D

Acq: 22 Feb 2017 23:55

Instrument :

BNA_F

ClientSampleId :

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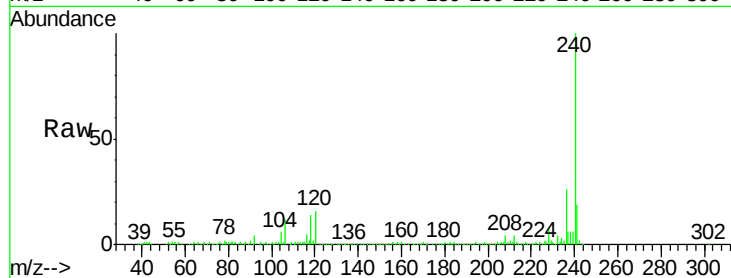
Tgt Ion:240 Resp: 450965

Ion Ratio Lower Upper

240 100

120 16.5 12.9 19.3

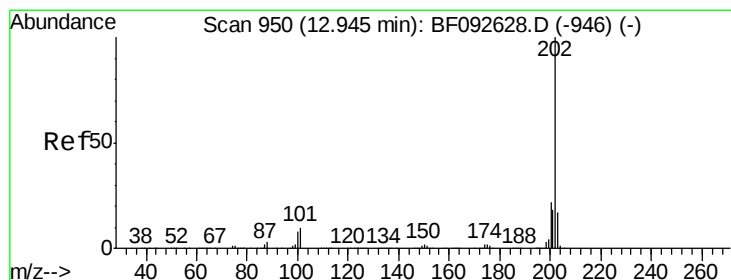
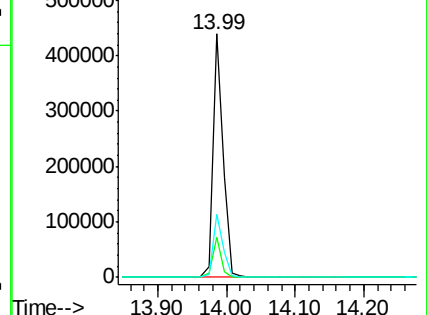
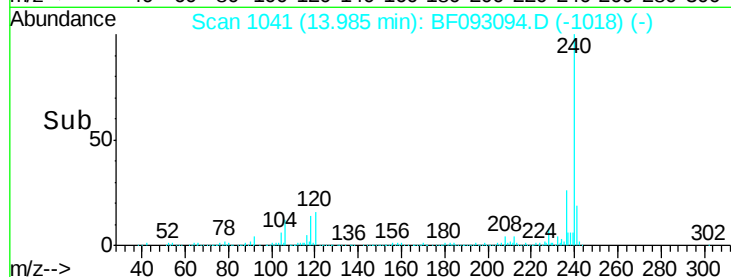
236 26.0 20.9 31.3



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: 5.40 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.02 min

Lab File: BF093094.D

Acq: 22 Feb 2017 23:55

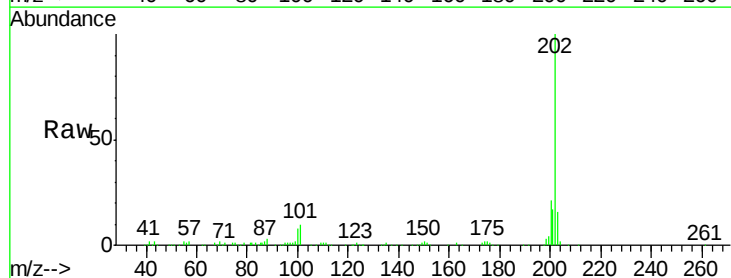
Tgt Ion:202 Resp: 182254

Ion Ratio Lower Upper

202 100

200 20.6 17.7 26.5

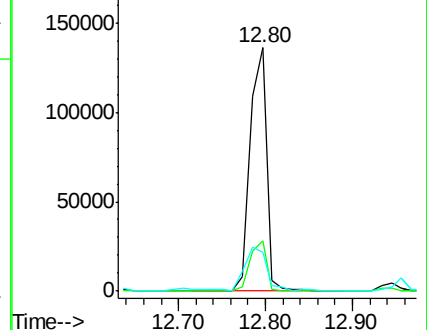
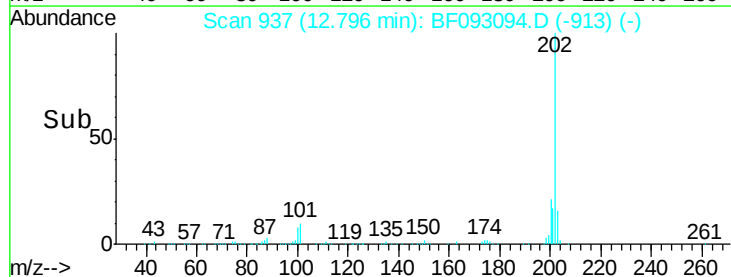
203 16.1 14.7 22.1

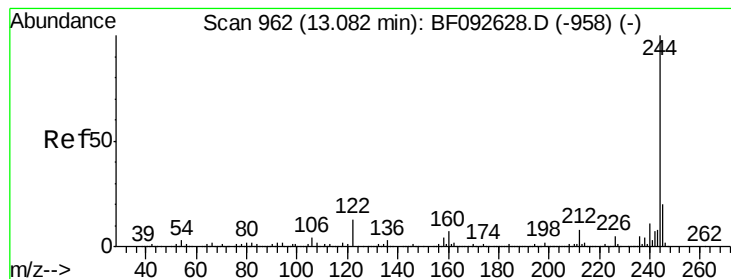


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 76.30 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093094.D

Acq: 22 Feb 2017 23:55

Instrument :

BNA_F

ClientSampleId :

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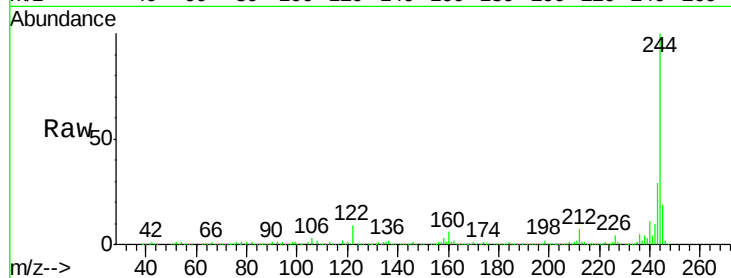
Tgt Ion:244 Resp: 1464334

Ion Ratio Lower Upper

244 100

212 7.0 6.2 9.2

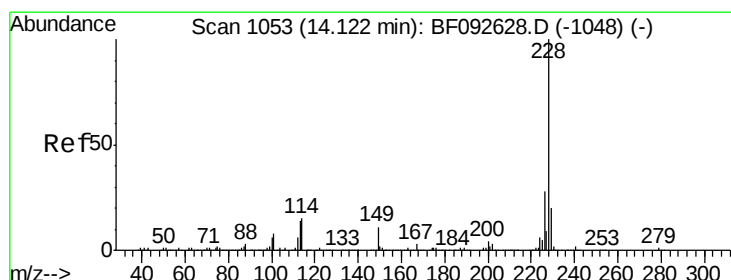
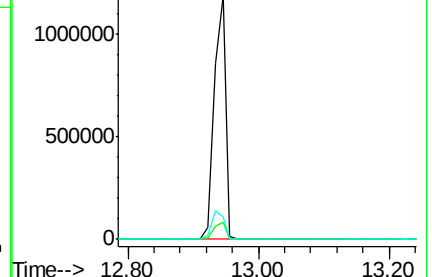
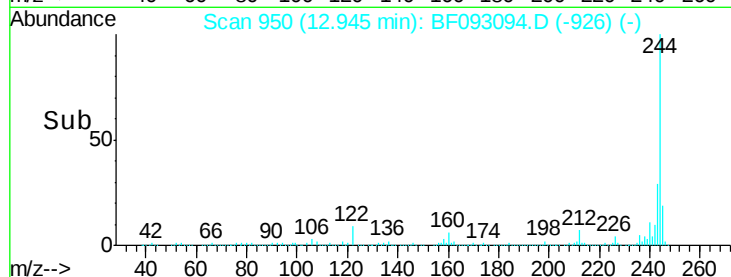
122 9.1 11.4 17.2#



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: 2.76 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.03 min

Lab File: BF093094.D

Acq: 22 Feb 2017 23:55

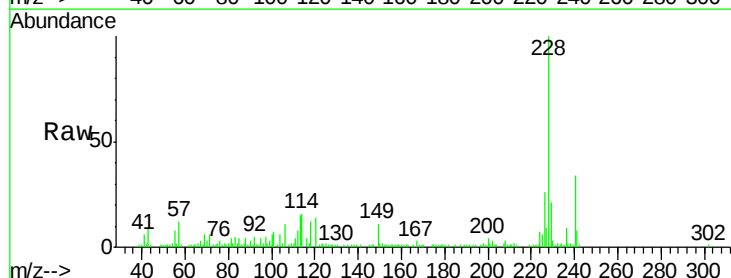
Tgt Ion:228 Resp: 76107

Ion Ratio Lower Upper

228 100

226 25.9 22.4 33.6

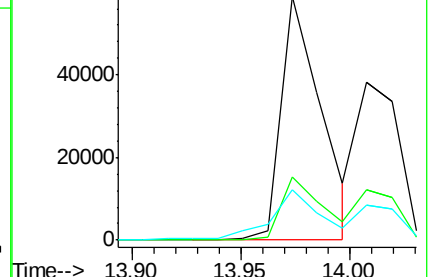
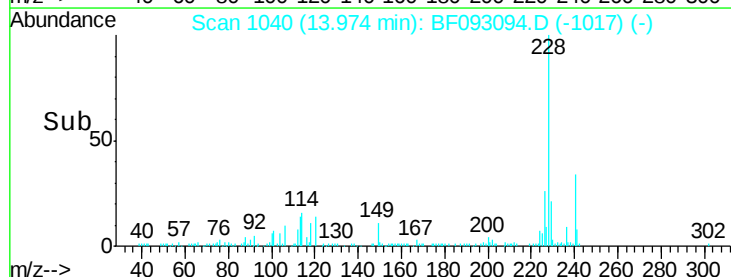
229 20.7 16.2 24.4

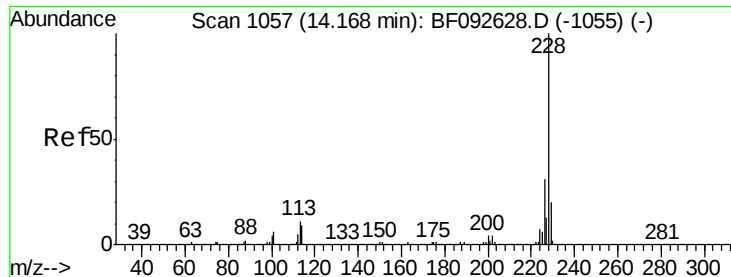


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.95 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.07 min

Lab File: BF093094.D

Acq: 22 Feb 2017 23:55

Instrument :

BNA_F

ClientSampleId :

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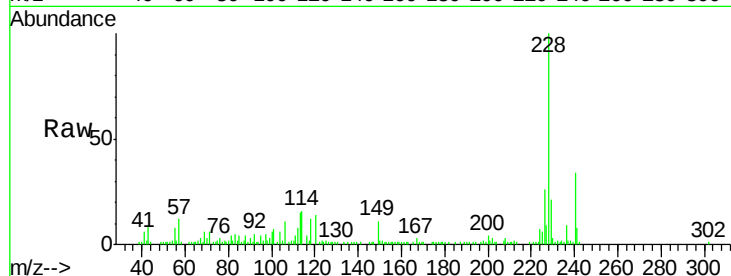
Tgt Ion:228 Resp: 76107

Ion Ratio Lower Upper

228 100

226 25.9 25.4 38.0

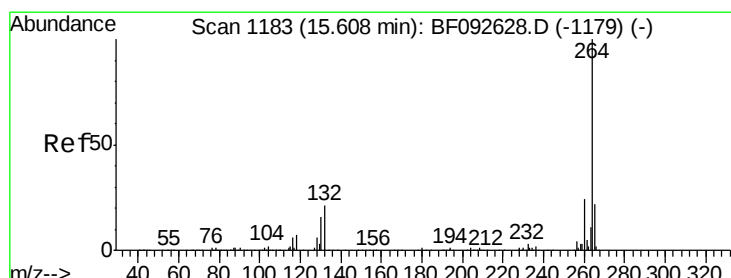
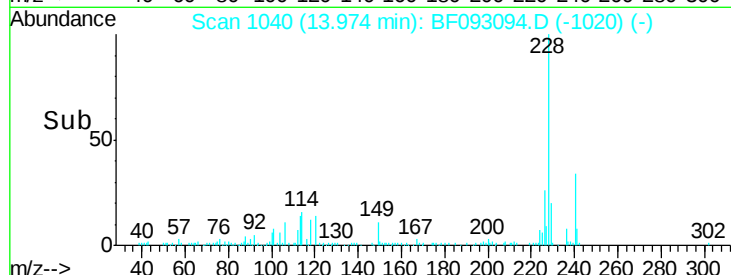
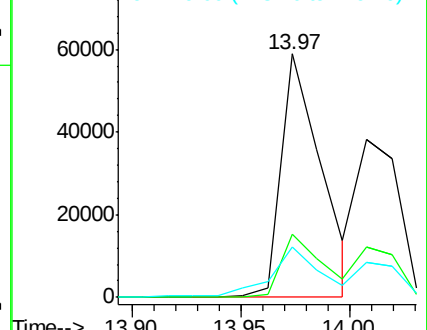
229 20.7 16.2 24.2



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: 15.41 min Scan# 1166

Delta R.T. -0.03 min

Lab File: BF093094.D

Acq: 22 Feb 2017 23:55

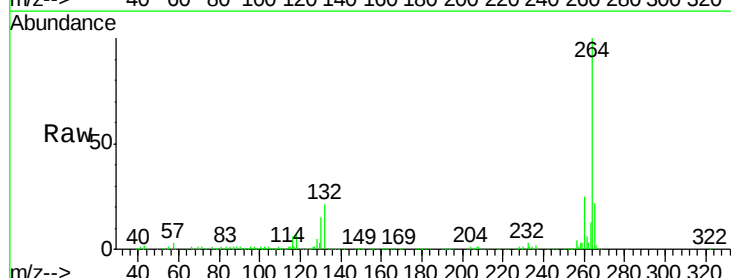
Tgt Ion:264 Resp: 326147

Ion Ratio Lower Upper

264 100

260 24.6 19.2 28.8

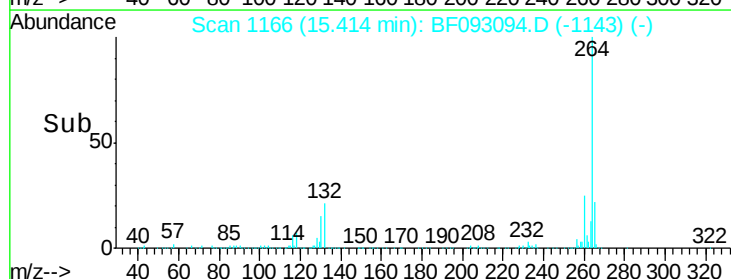
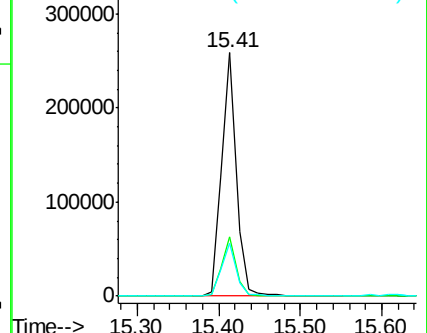
265 21.9 17.4 26.0

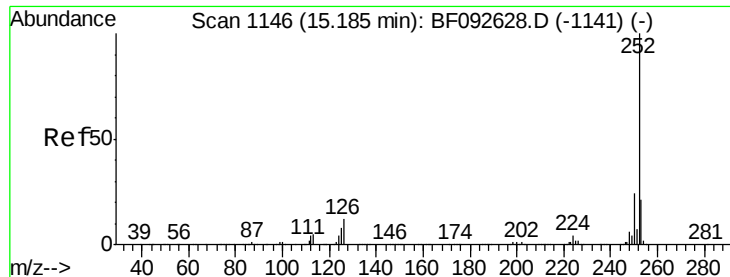


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 3.62 ng

RT: 15.00 min Scan# 1130

Delta R.T. -0.03 min

Lab File: BF093094.D

Acq: 22 Feb 2017 23:55

Instrument :

BNA_F

ClientSampleId :

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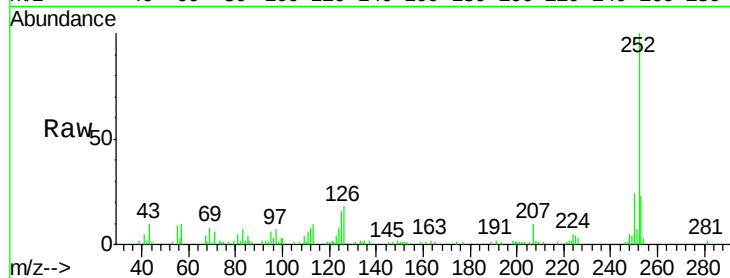
Tgt Ion:252 Resp: 77778

Ion Ratio Lower Upper

252 100

253 22.5 18.2 27.4

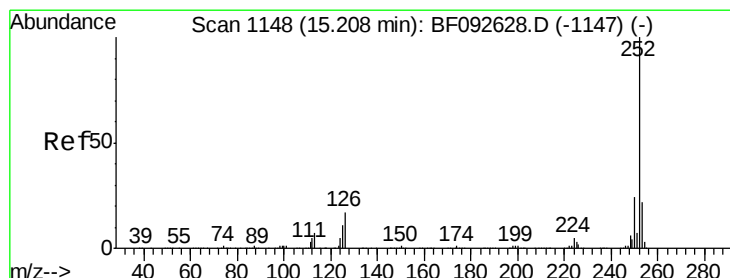
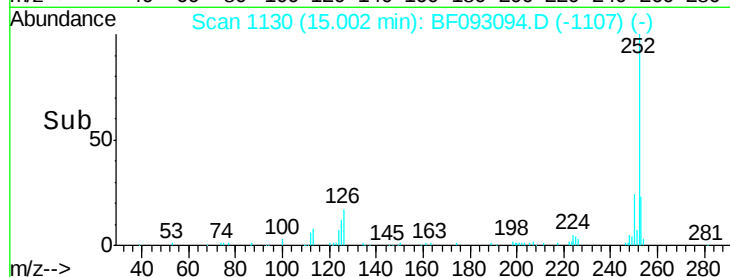
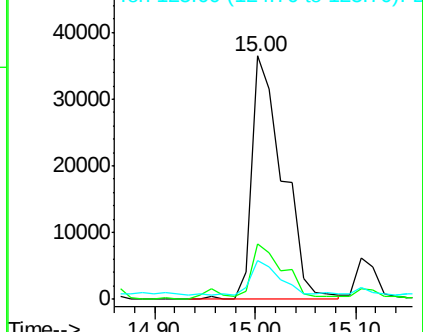
125 15.8 9.8 14.6#



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



#88

Benzo(k)fluoranthene

Concen: 4.20 ng

RT: 15.00 min Scan# 1130

Delta R.T. -0.07 min

Lab File: BF093094.D

Acq: 22 Feb 2017 23:55

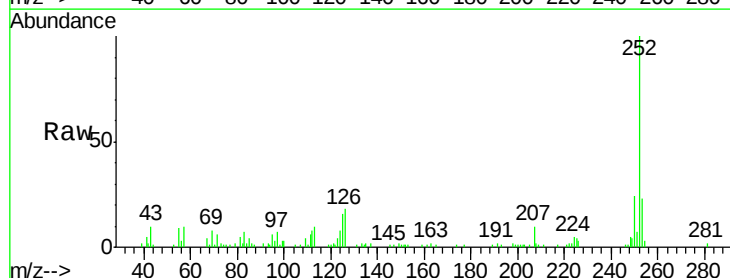
Tgt Ion:252 Resp: 77778

Ion Ratio Lower Upper

252 100

253 22.5 18.5 27.7

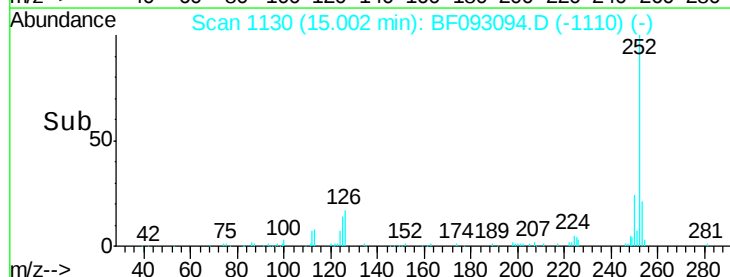
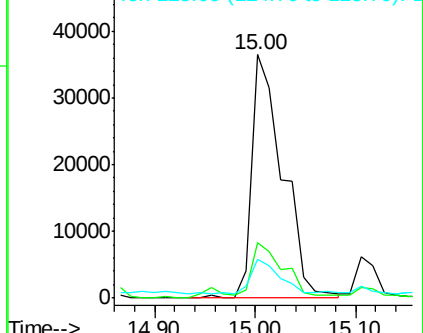
125 15.8 8.9 13.3#

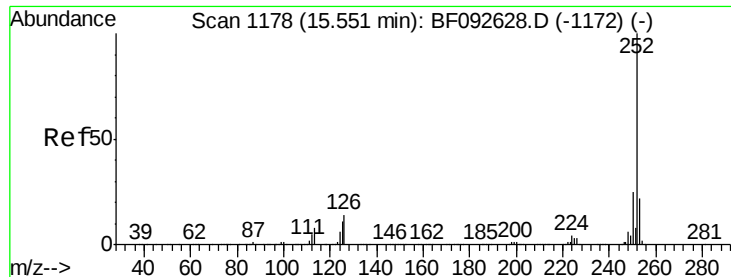


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 2.09 ng

RT: 15.36 min Scan# 1161

Delta R.T. -0.03 min

Lab File: BF093094.D

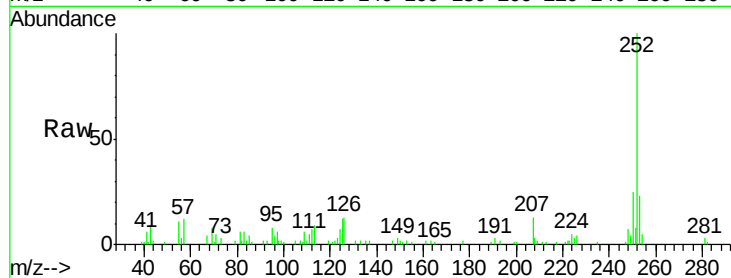
Acq: 22 Feb 2017 23:55

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion:	252	Resp:	38891
Ion	Ratio	Lower	Upper
252	100		
253	22.8	18.2	27.2
125	12.3	10.0	15.0

