

Data File : BF093093.D
Acq On : 22 Feb 2017 23:28
Operator : SJ/MA
Sample : I1931-03
Misc :
ALS Vial : 21 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
P-3

Quant Time: Feb 23 00:00:58 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	166783	20.00	ng	-0.01
21) Naphthalene-d8	8.12	136	669147	20.00	ng	-0.02
38) Acenaphthene-d10	9.87	164	319320	20.00	ng	-0.02
63) Phenanthrene-d10	11.36	188	596996	20.00	ng	-0.02
75) Chrysene-d12	13.99	240	486338	20.00	ng	-0.03
86) Perylene-d12	15.41	264	339788	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.44	112	86122	8.86	ng	-0.01
7) Phenol-d6	6.48	99	722471	57.76	ng	-0.01
23) Nitrobenzene-d5	7.40	82	963005	80.14	ng	-0.02
41) 2,4,6-Tribromophenol	10.66	330	984	0.43	ng	-0.02
44) 2-Fluorobiphenyl	9.20	172	1450730	82.31	ng	-0.02
78) Terphenyl-d14	12.95	244	1496138	72.28	ng	-0.02

Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.40	70	121785	15.29	ng	# 82
25) Isophorone	7.40	82	887253	39.63	ng	# 65
49) Dimethylphthalate	9.60	163	328679	15.28	ng	99
56) 2,4-Dinitrotoluene	9.87	165	41992	6.79	ng	# 20
70) Phenanthrene	11.38	178	147995	4.33	ng	97
73) Di-n-butylphthalate	11.92	149	2314845	65.19	ng	99
74) Fluoranthene	12.57	202	197883	5.61	ng	93
77) Pyrene	12.80	202	158956	4.37	ng	97
80) Benzo(a)anthracene	13.97	228	77331	2.60	ng	98
82) Chrysene	14.02	228	64802	2.33	ng	99
87) Benzo(b)fluoranthene	15.00	252	90207	4.03	ng	# 93
88) Benzo(k)fluoranthene	15.00	252	90207	4.67	ng	# 92
89) Benzo(a)pyrene	15.36	252	41232	2.13	ng	98

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

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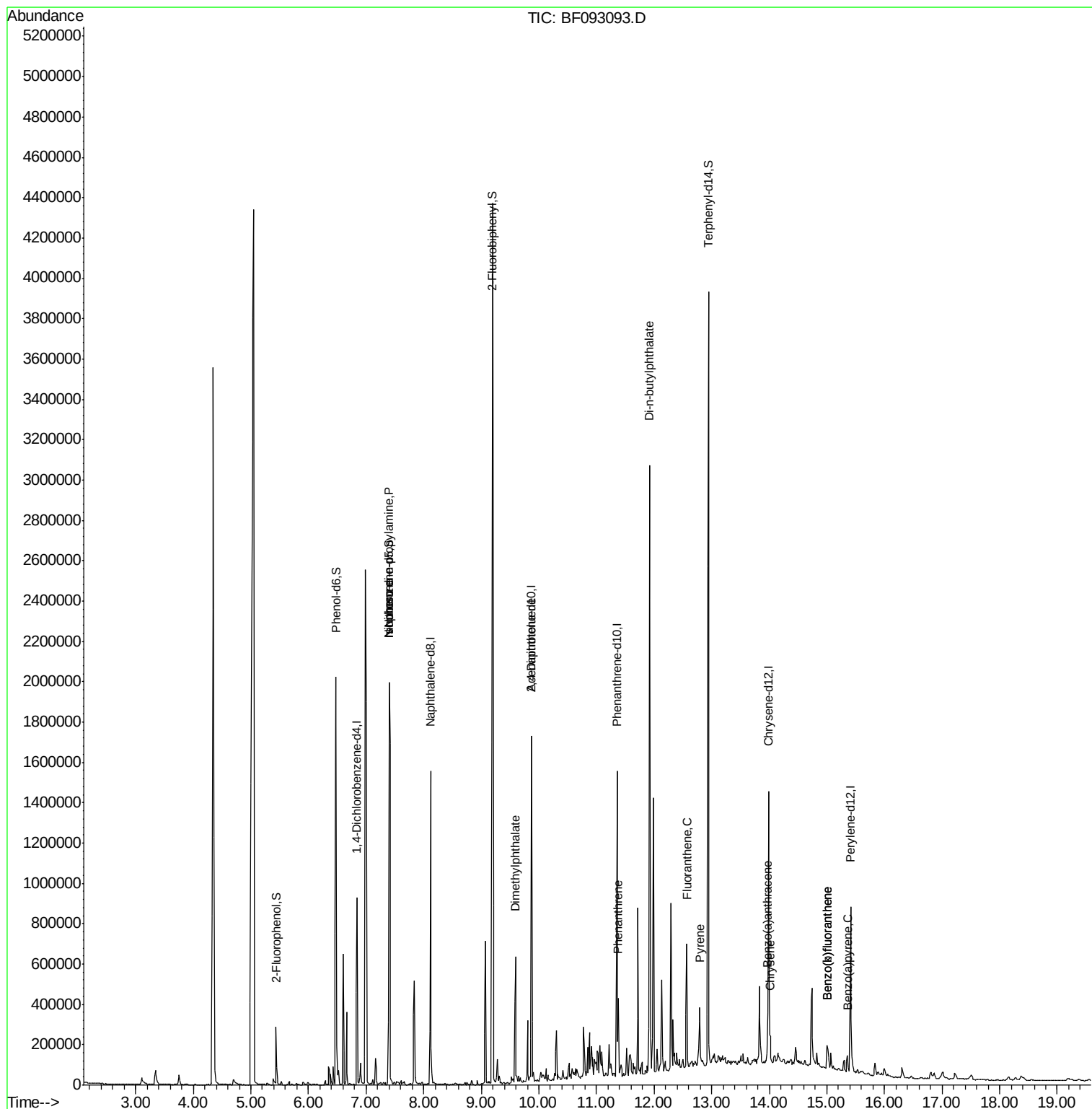
Quant Time: Feb 23 00:00:58 2017

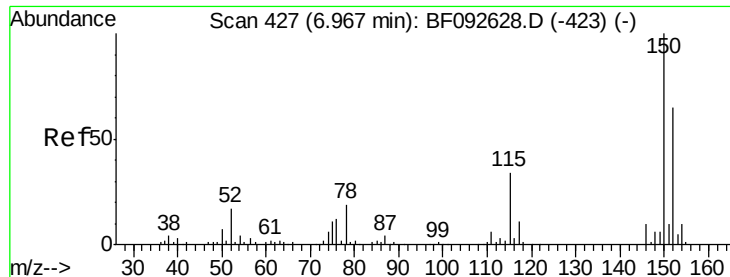
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

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: BF093093.D

Acq: 22 Feb 2017 23:28

Instrument :

BNA_F

ClientSampleId :

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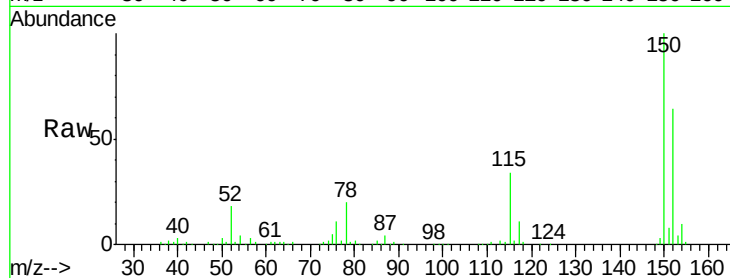
Tgt Ion:152 Resp: 166783

Ion Ratio Lower Upper

152 100

150 155.5 124.9 187.3

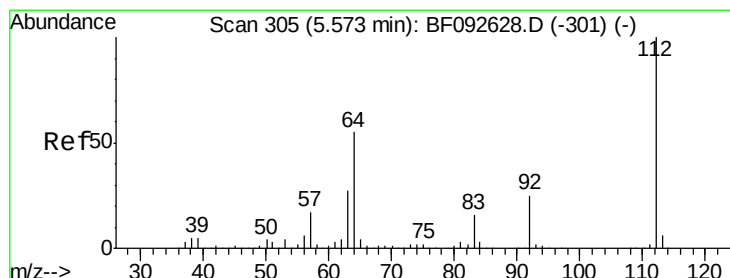
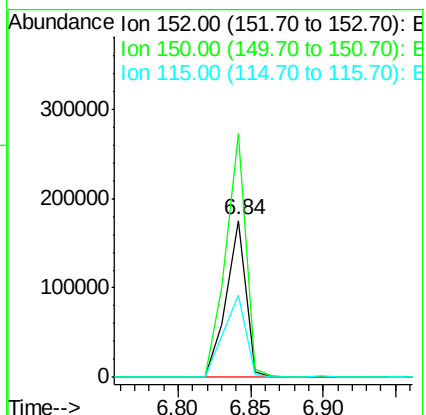
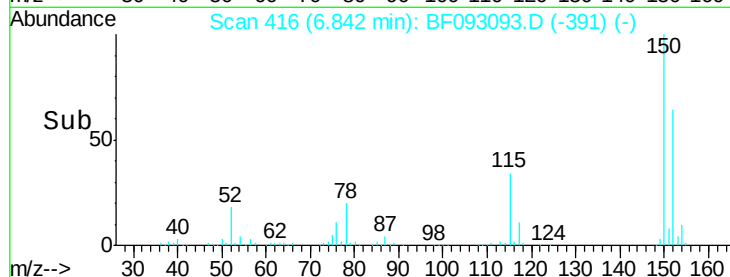
115 52.5 46.0 69.0



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: 8.86 ng

RT: 5.44 min Scan# 293

Delta R.T. -0.01 min

Lab File: BF093093.D

Acq: 22 Feb 2017 23:28

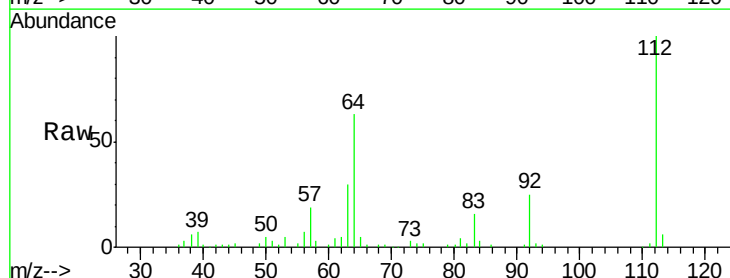
Tgt Ion:112 Resp: 86122

Ion Ratio Lower Upper

112 100

64 62.9 46.1 69.1

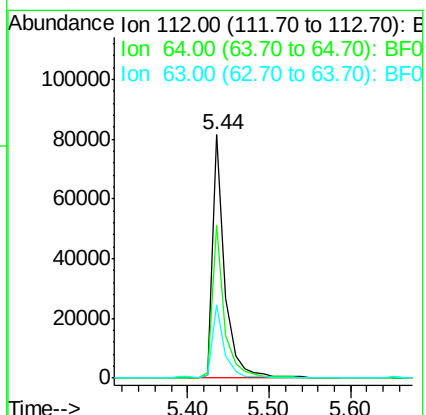
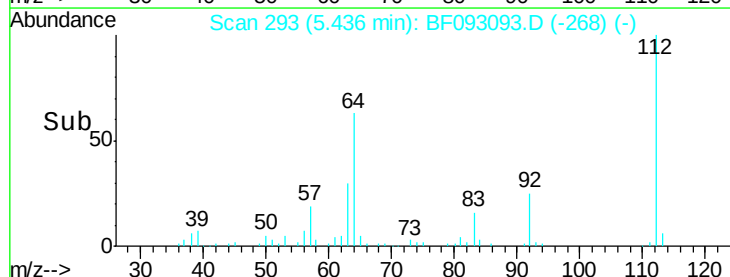
63 30.2 23.8 35.6

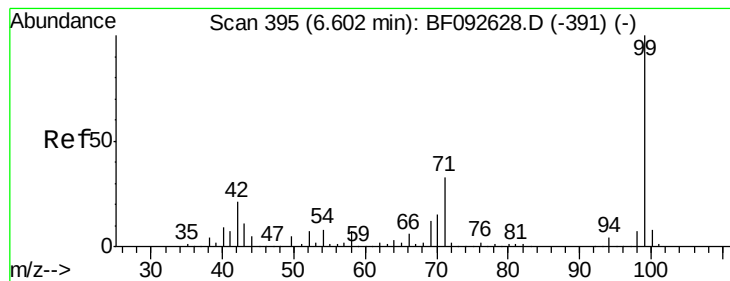


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 57.76 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.01 min

Lab File: BF093093.D

Acq: 22 Feb 2017 23:28

Instrument :

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ClientSampleId :

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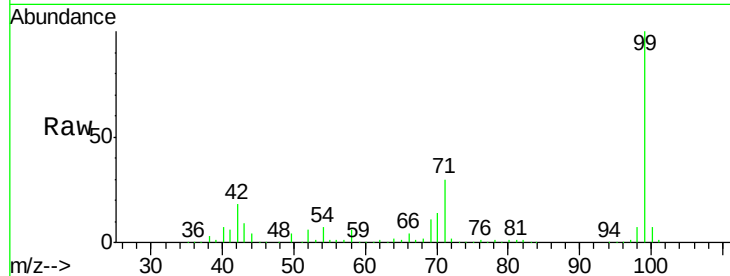
Tgt Ion: 99 Resp: 722471

Ion Ratio Lower Upper

99 100

42 17.6 15.6 23.4

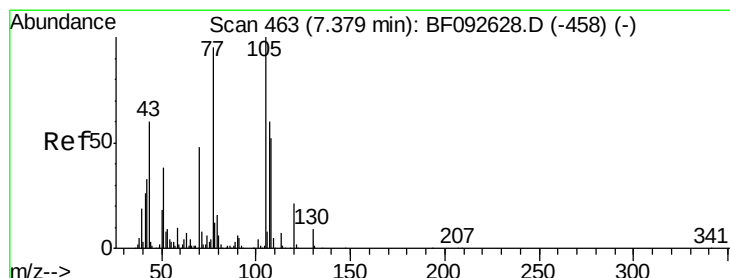
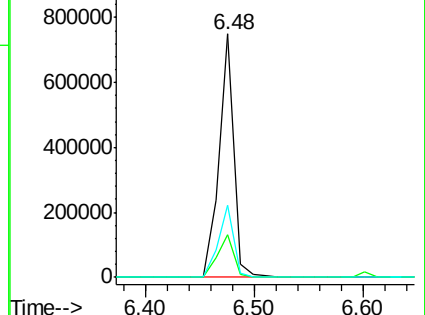
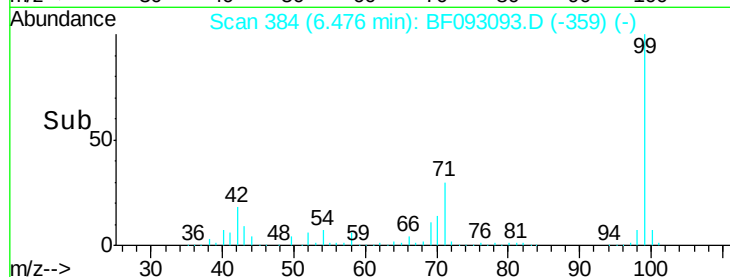
71 29.8 27.5 41.3



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: 15.29 ng

RT: 7.40 min Scan# 465

Delta R.T. 0.13 min

Lab File: BF093093.D

Acq: 22 Feb 2017 23:28

Tgt Ion: 70 Resp: 121785

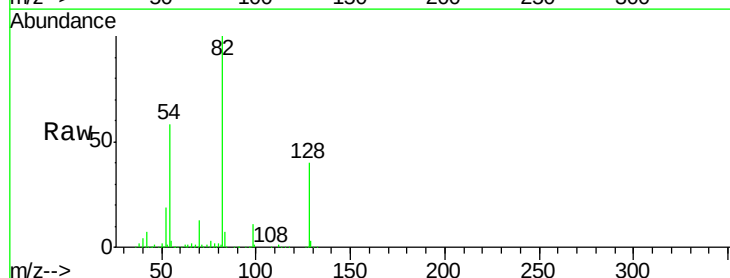
Ion Ratio Lower Upper

70 100

42 52.9 49.4 74.0

101 0.0 7.4 11.2#

130 2.1 14.2 21.4#

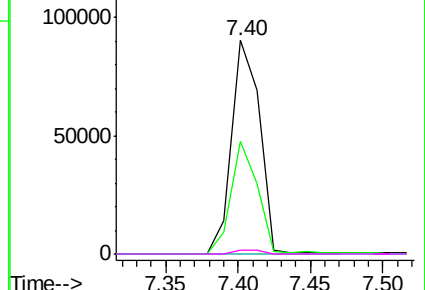
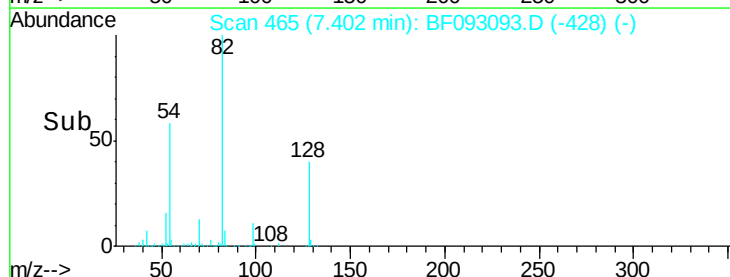


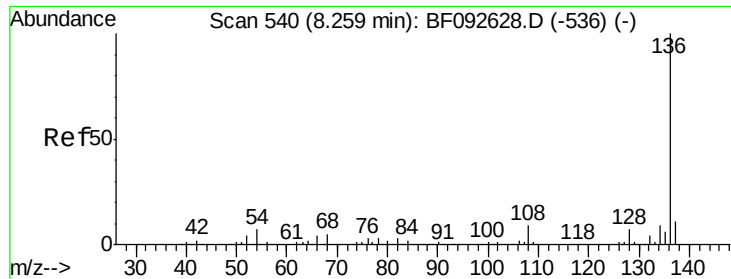
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

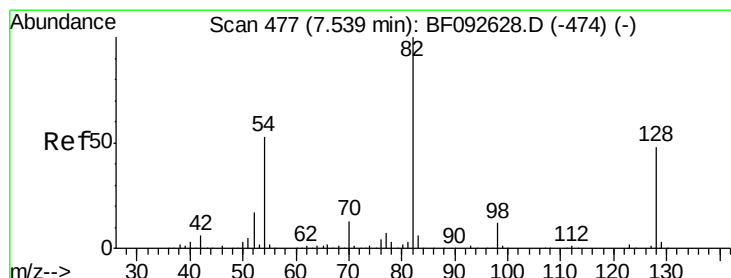
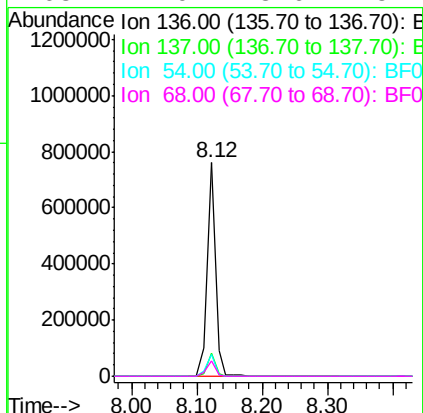
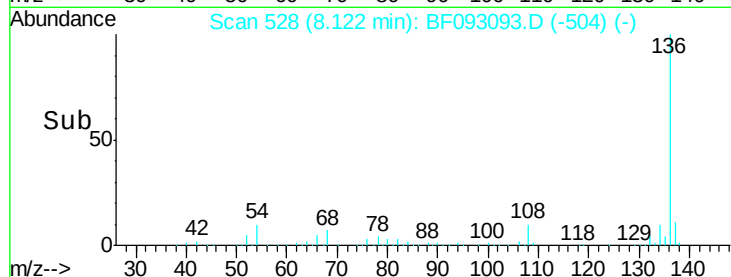
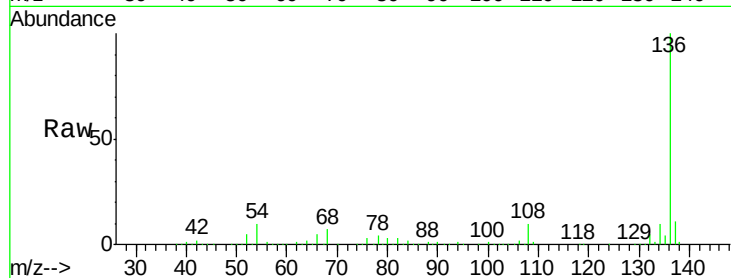




#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.12 min Scan# 528
Delta R.T. -0.02 min
Lab File: BF093093.D
Acq: 22 Feb 2017 23:28

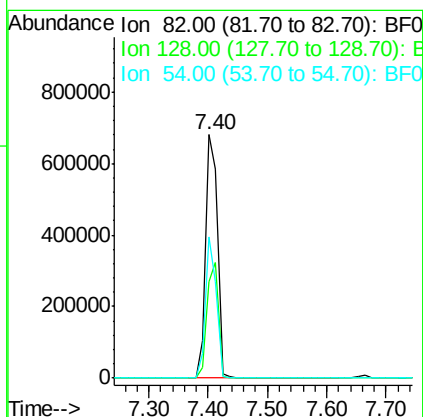
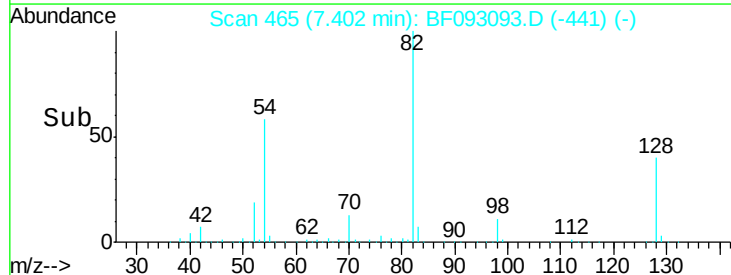
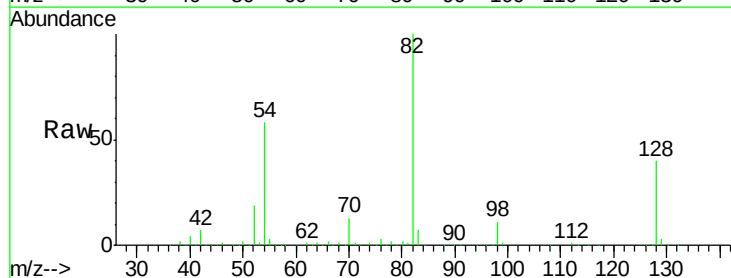
Instrument :
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ClientSampleId :
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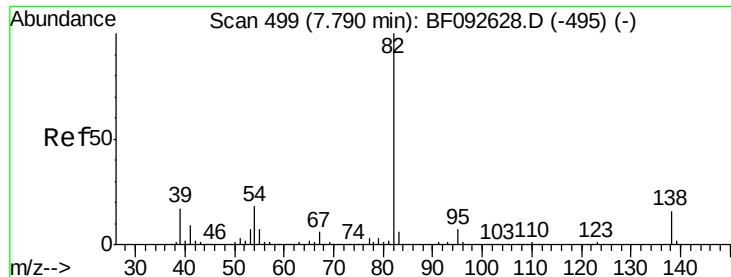
Tgt Ion:	136	Resp:	669147
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.4	12.6
54	10.1	4.5	6.7#
68	7.0	3.6	5.4#



#23
Nitrobenzene-d5
Concen: 80.14 ng
RT: 7.40 min Scan# 465
Delta R.T. -0.02 min
Lab File: BF093093.D
Acq: 22 Feb 2017 23:28

Tgt Ion:	82	Resp:	963005
Ion	Ratio	Lower	Upper
82	100		
128	39.6	34.6	52.0
54	58.1	39.5	59.3





#25

Isophorone

Concen: 39.63 ng

RT: 7.40 min Scan# 465

Delta R.T. -0.29 min

Lab File: BF093093.D

Acq: 22 Feb 2017 23:28

Instrument :

BNA_F

ClientSampleId :

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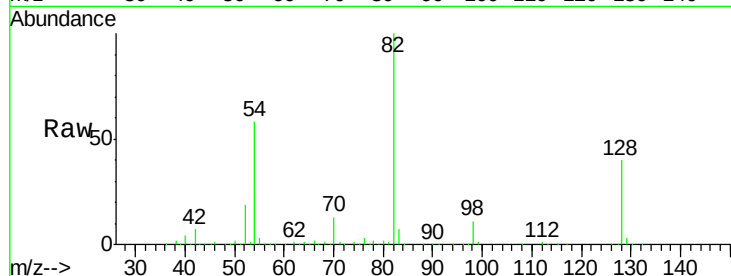
Tgt Ion: 82 Resp: 887253

Ion Ratio Lower Upper

82 100

95 0.0 5.6 8.4#

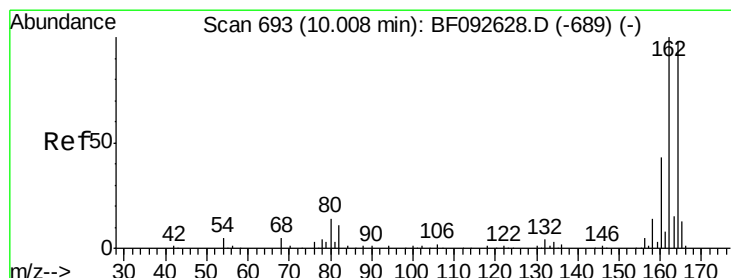
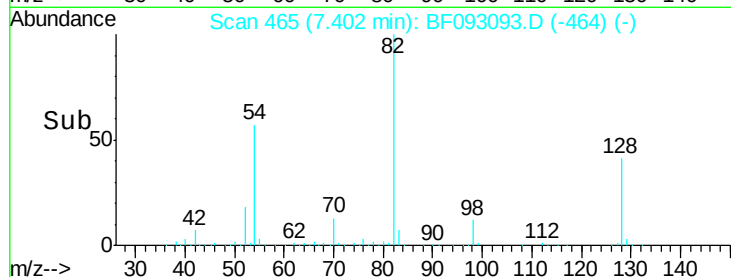
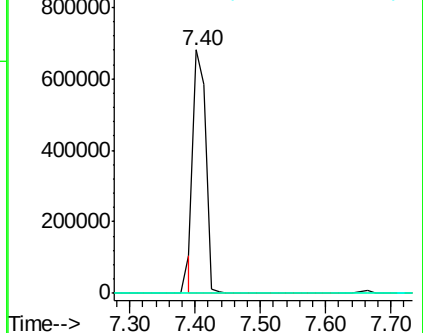
138 0.0 14.6 22.0#



Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 95.00 (94.70 to 95.70): BF0

Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.02 min

Lab File: BF093093.D

Acq: 22 Feb 2017 23:28

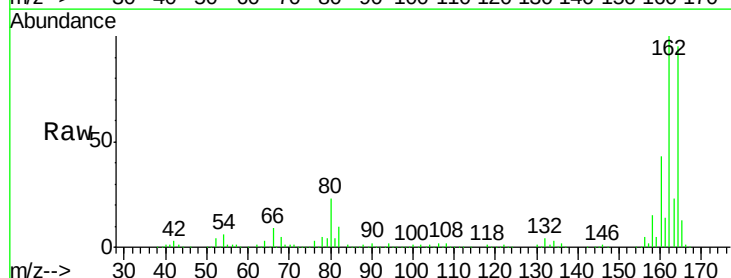
Tgt Ion: 164 Resp: 319320

Ion Ratio Lower Upper

164 100

162 104.8 80.2 120.2

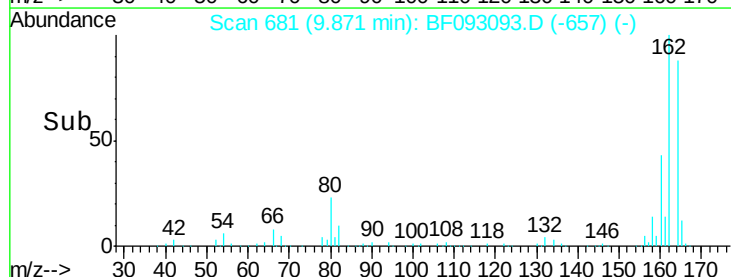
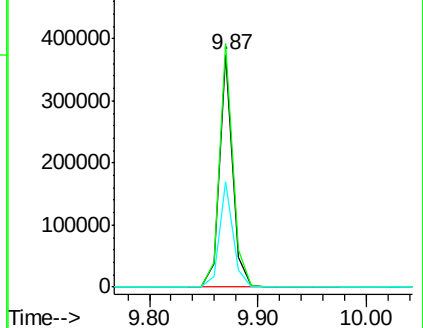
160 45.1 36.9 55.3

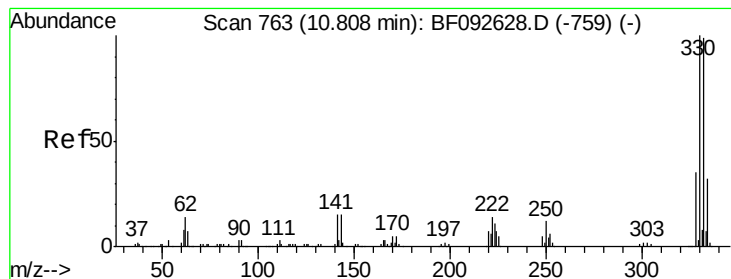


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

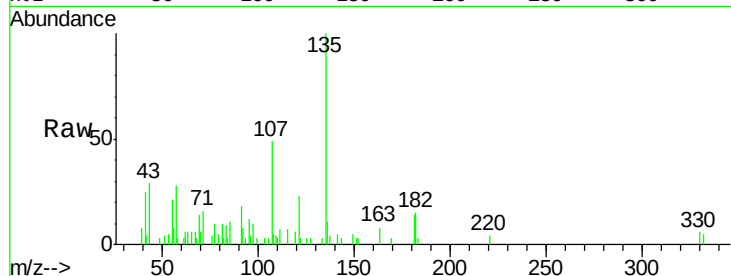




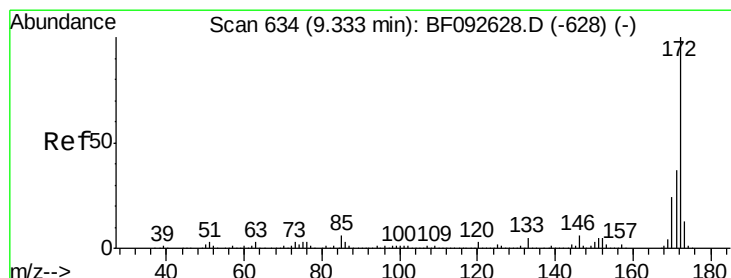
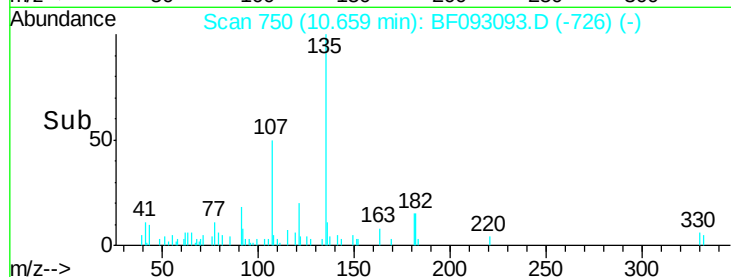
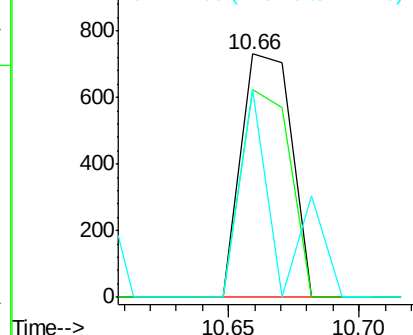
#41
 2,4,6-Tribromophenol
 Concen: 0.43 ng
 RT: 10.66 min Scan# 750
 Delta R.T. -0.02 min
 Lab File: BF093093.D
 Acq: 22 Feb 2017 23:28

Instrument :
 BNA_F
 ClientSampled :
 P-3

Tgt Ion: 330 Resp: 984
 Ion Ratio Lower Upper
 330 100
 332 83.2 77.4 116.2
 141 64.6 34.1 51.1#

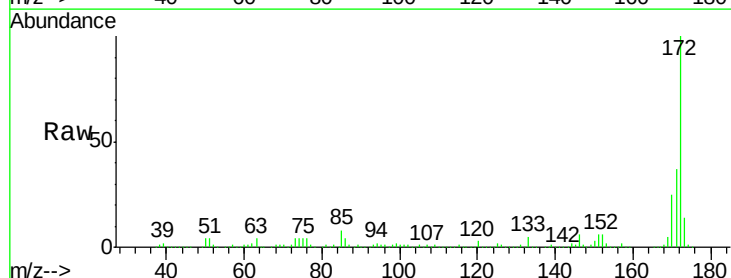


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

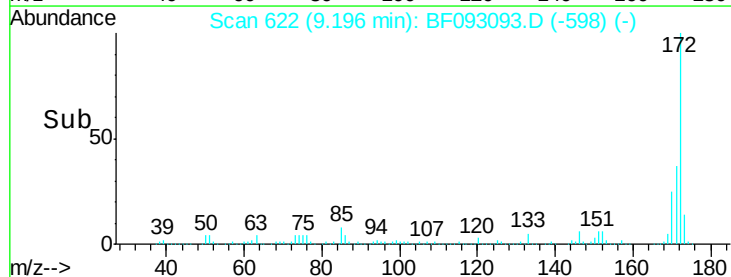
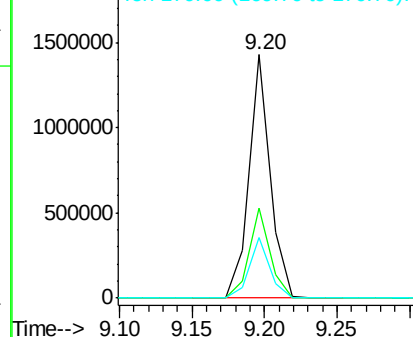


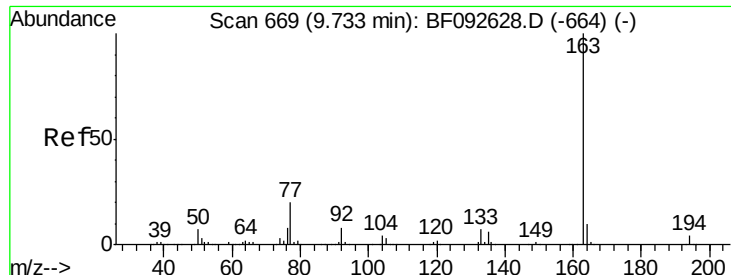
#44
 2-Fluorobiphenyl
 Concen: 82.31 ng
 RT: 9.20 min Scan# 622
 Delta R.T. -0.02 min
 Lab File: BF093093.D
 Acq: 22 Feb 2017 23:28

Tgt Ion: 172 Resp: 1450730
 Ion Ratio Lower Upper
 172 100
 171 36.9 29.4 44.0
 170 24.9 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: 15.28 ng

RT: 9.60 min Scan# 657

Delta R.T. -0.02 min

Lab File: BF093093.D

Acq: 22 Feb 2017 23:28

Instrument :

BNA_F

ClientSampled :

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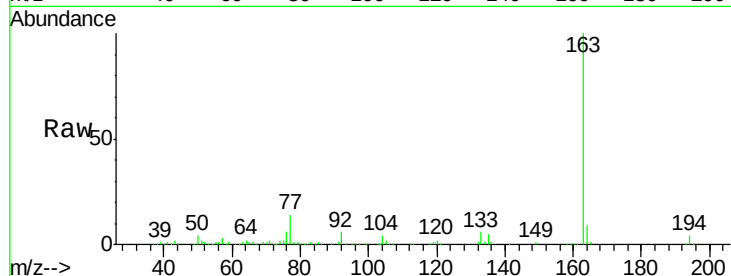
Tgt Ion:163 Resp: 328679

Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.4

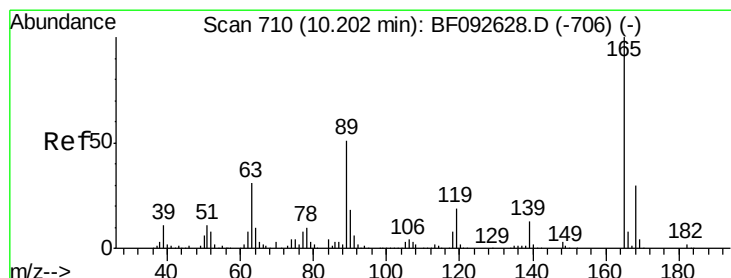
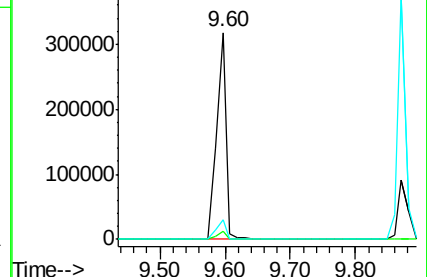
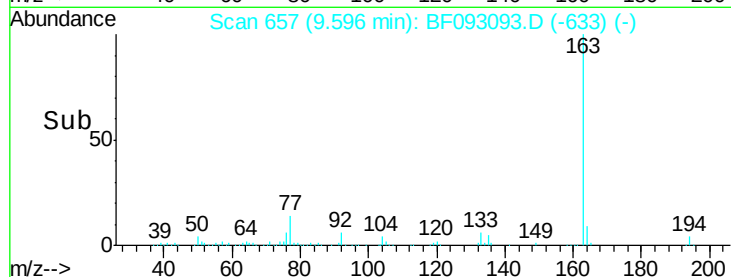
164 9.3 8.0 12.0



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



#56

2,4-Dinitrotoluene

Concen: 6.79 ng

RT: 9.87 min Scan# 681

Delta R.T. -0.22 min

Lab File: BF093093.D

Acq: 22 Feb 2017 23:28

Tgt Ion:165 Resp: 41992

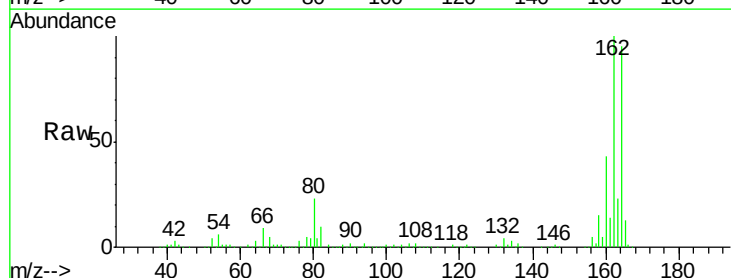
Ion Ratio Lower Upper

165 100

63 1.4 40.2 60.4#

89 1.6 62.5 93.7#

182 0.0 1.8 2.8#

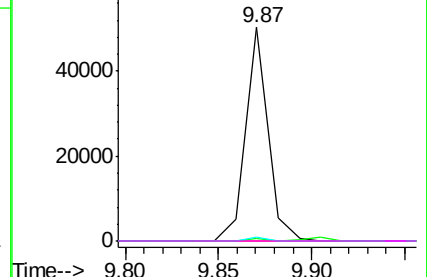
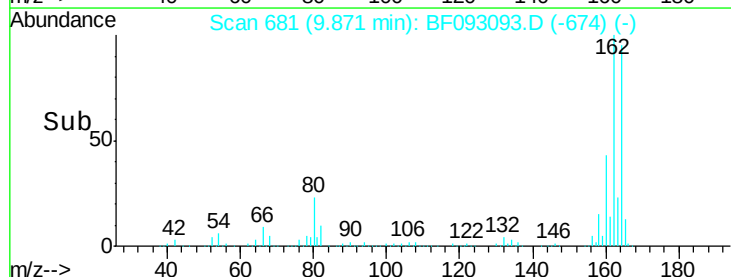


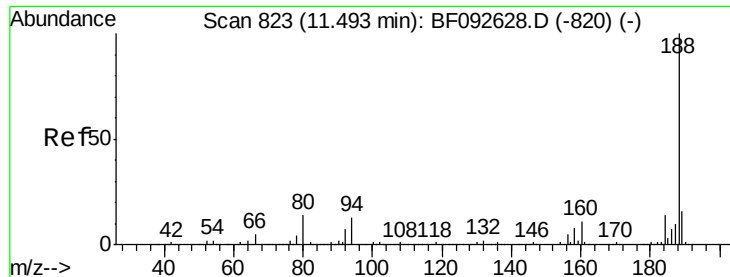
Abundance Ion 165.00 (164.70 to 165.70): E

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

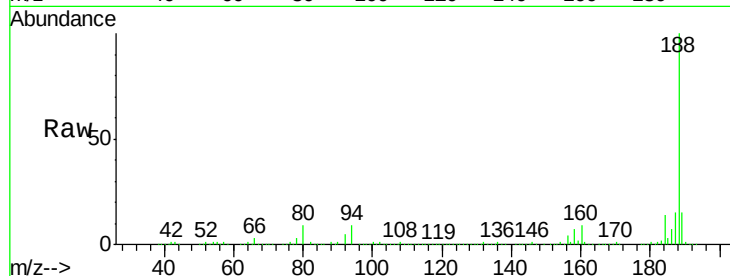




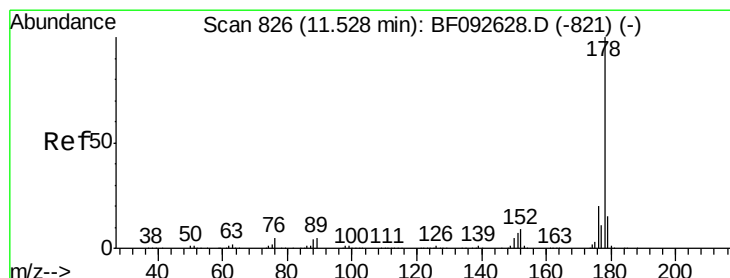
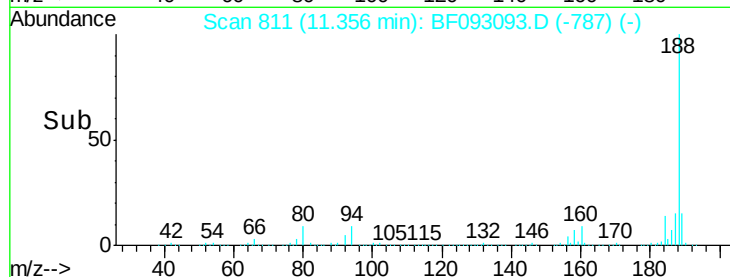
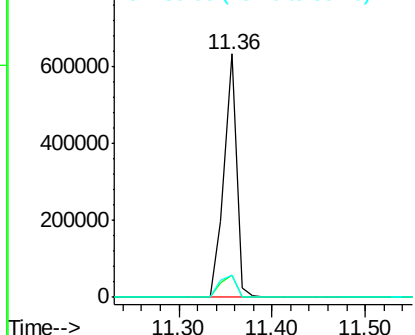
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.36 min Scan# 811
Delta R.T. -0.02 min
Lab File: BF093093.D
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Tgt Ion:188 Resp: 596996
Ion Ratio Lower Upper
188 100
94 9.2 10.0 15.0#
80 9.3 11.2 16.8#

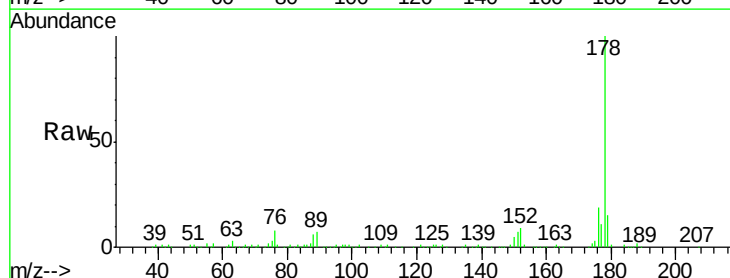


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

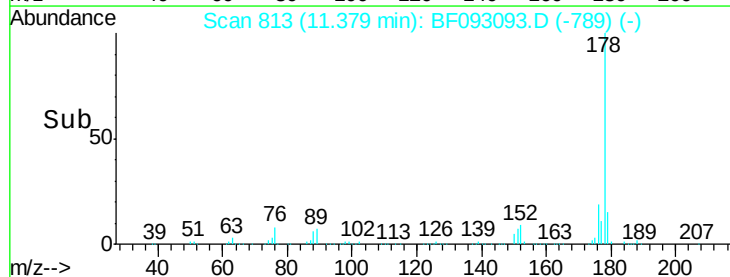
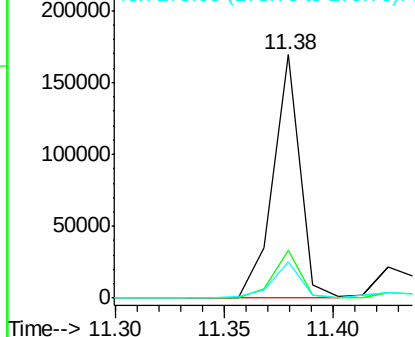


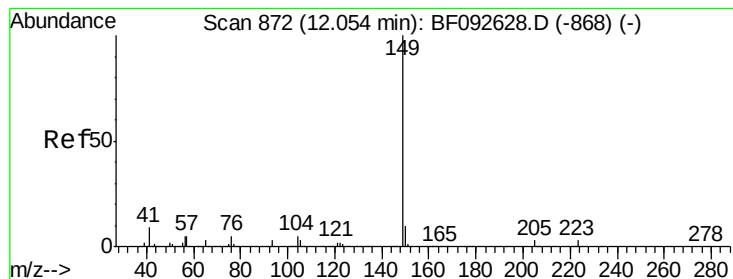
#70
Phenanthrene
Concen: 4.33 ng
RT: 11.38 min Scan# 813
Delta R.T. -0.02 min
Lab File: BF093093.D
Acq: 22 Feb 2017 23:28

Tgt Ion:178 Resp: 147995
Ion Ratio Lower Upper
178 100
176 19.4 16.6 25.0
179 14.7 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: 65.19 ng

RT: 11.92 min Scan# 860

Delta R.T. -0.02 min

Lab File: BF093093.D

Acq: 22 Feb 2017 23:28

Instrument :

BNA_F

ClientSampleId :

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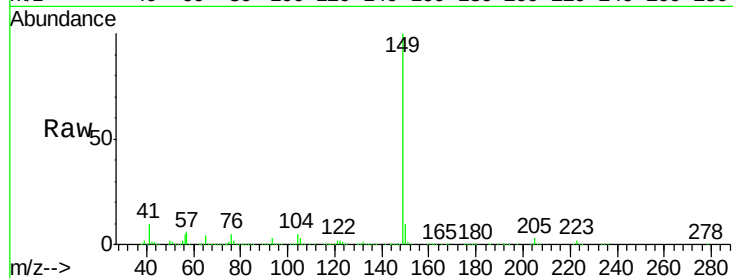
Tgt Ion:149 Resp: 2314845

Ion Ratio Lower Upper

149 100

150 9.9 8.1 12.1

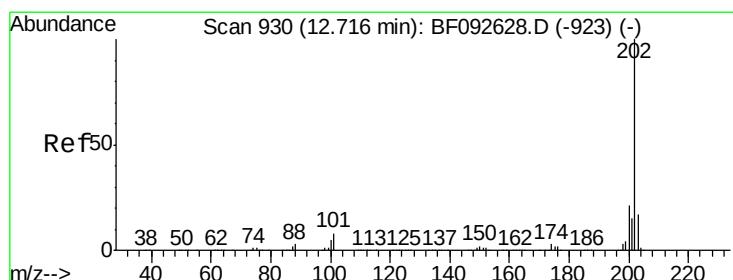
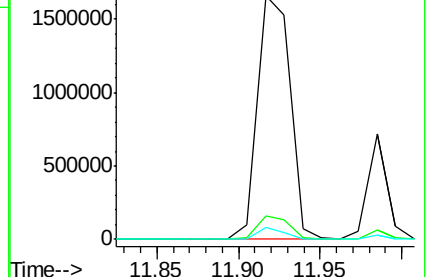
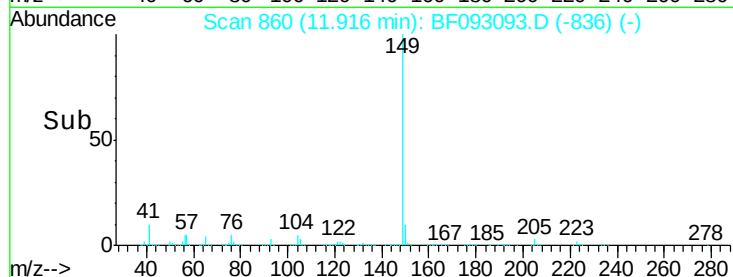
104 4.9 4.6 7.0



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



#74

Fluoranthene

Concen: 5.61 ng

RT: 12.57 min Scan# 917

Delta R.T. -0.02 min

Lab File: BF093093.D

Acq: 22 Feb 2017 23:28

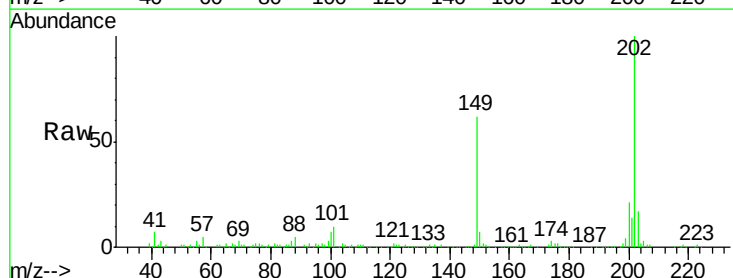
Tgt Ion:202 Resp: 197883

Ion Ratio Lower Upper

202 100

101 9.7 0.0 34.6

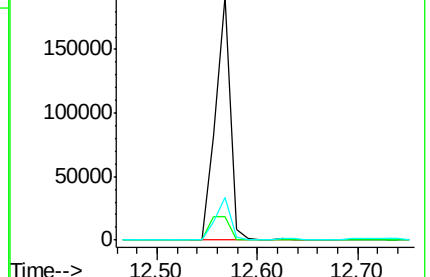
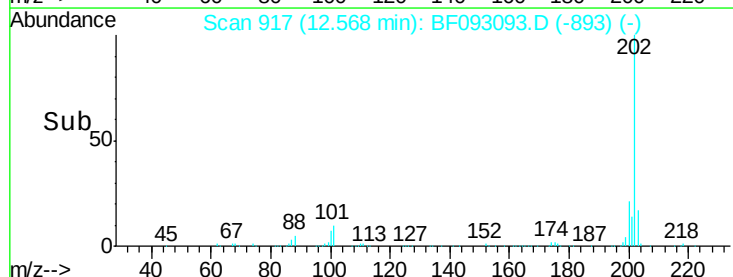
203 17.3 0.0 38.7

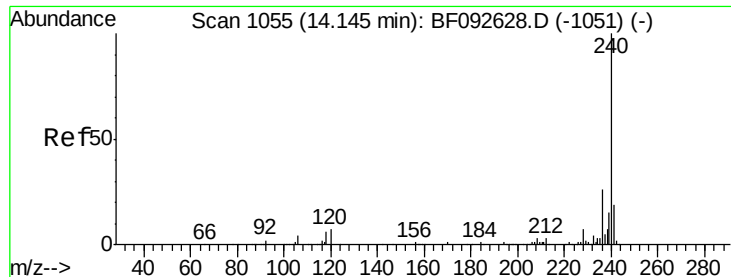


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF093093.D

Acq: 22 Feb 2017 23:28

Instrument :

BNA_F

ClientSampleId :

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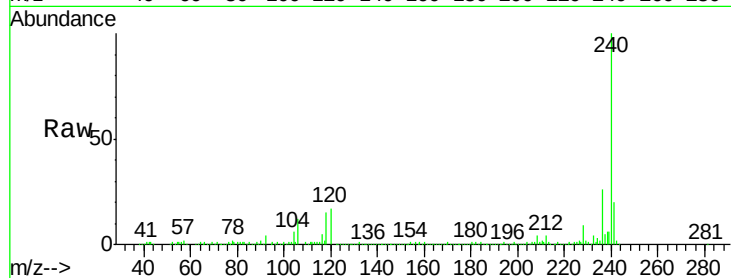
Tgt Ion:240 Resp: 486338

Ion Ratio Lower Upper

240 100

120 17.2 12.9 19.3

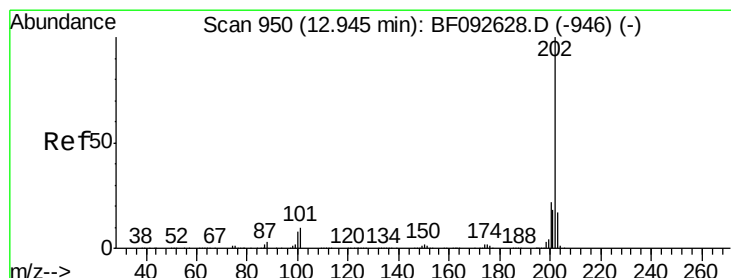
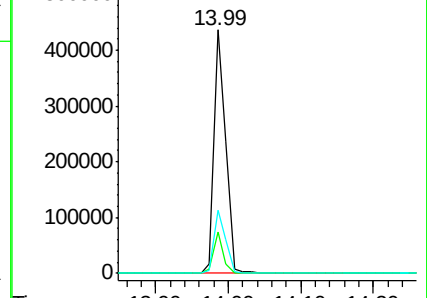
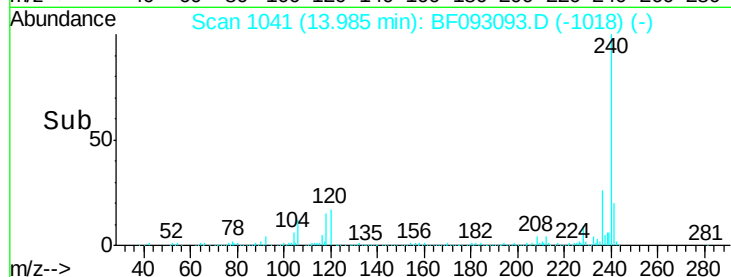
236 26.2 20.9 31.3



Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E



#77

Pyrene

Concen: 4.37 ng

RT: 12.80 min Scan# 937

Delta R.T. -0.02 min

Lab File: BF093093.D

Acq: 22 Feb 2017 23:28

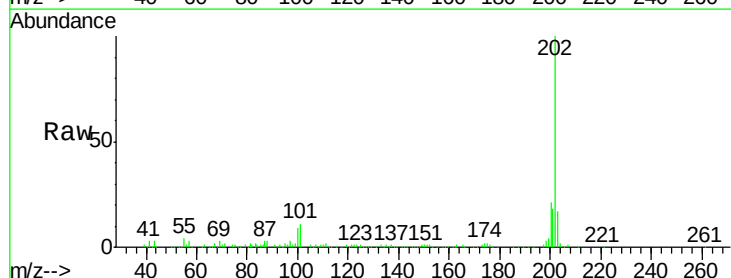
Tgt Ion:202 Resp: 158956

Ion Ratio Lower Upper

202 100

200 21.0 17.7 26.5

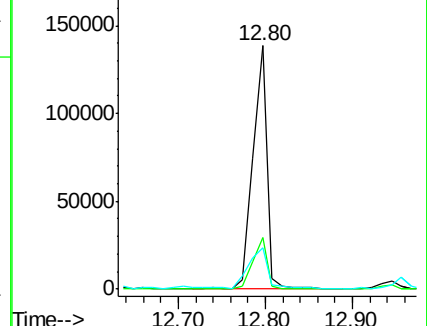
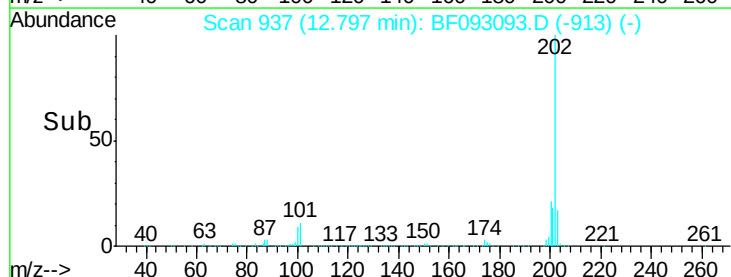
203 17.2 14.7 22.1

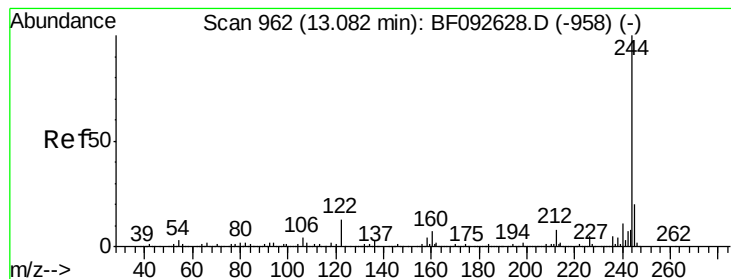


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 72.28 ng

RT: 12.95 min Scan# 950

Delta R.T. -0.02 min

Lab File: BF093093.D

Acq: 22 Feb 2017 23:28

Instrument :

BNA_F

ClientSampleId :

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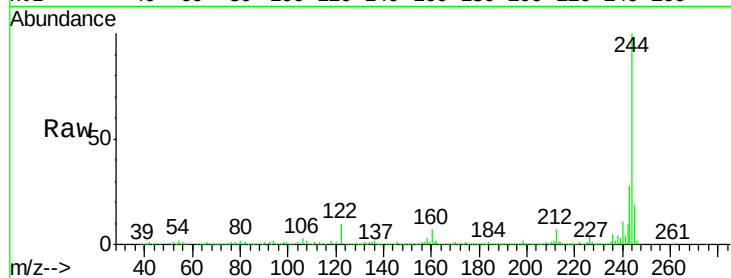
Tgt Ion:244 Resp: 1496138

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

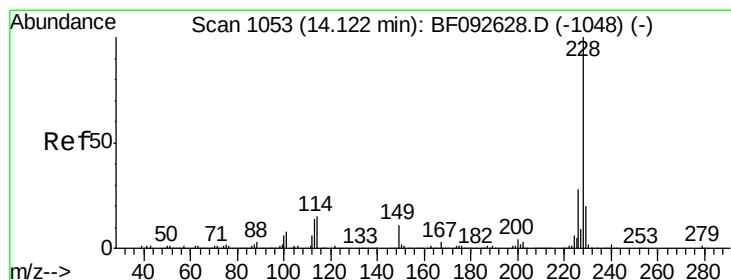
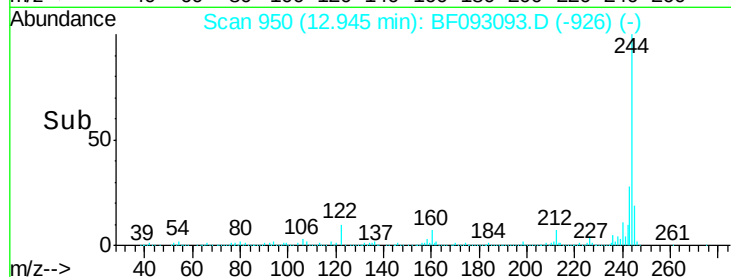
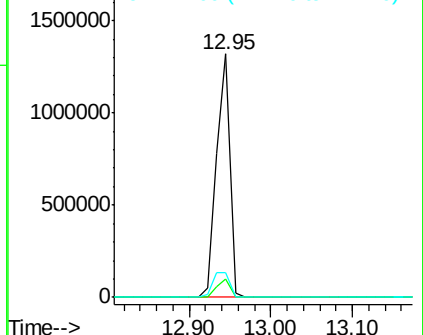
122 10.0 11.4 17.2#



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: 2.60 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.03 min

Lab File: BF093093.D

Acq: 22 Feb 2017 23:28

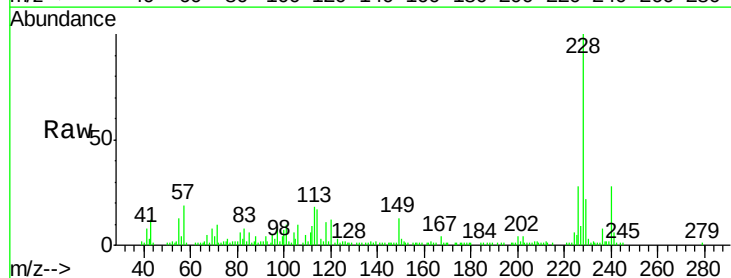
Tgt Ion:228 Resp: 77331

Ion Ratio Lower Upper

228 100

226 28.3 22.4 33.6

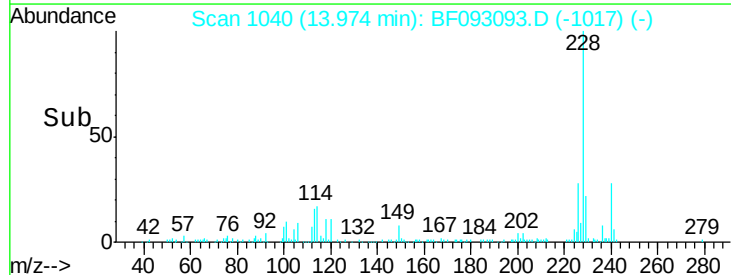
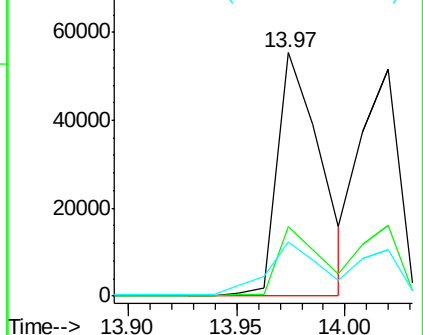
229 22.1 16.2 24.4

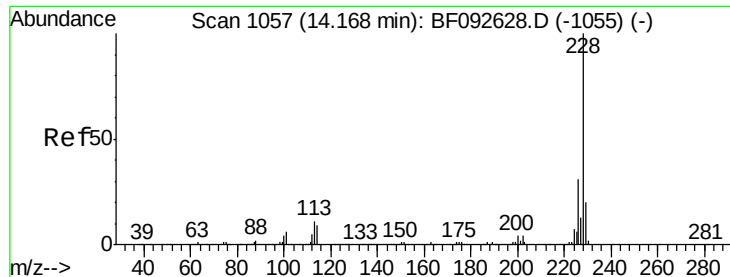


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 2.33 ng

RT: 14.02 min Scan# 1044

Delta R.T. -0.02 min

Lab File: BF093093.D

Acq: 22 Feb 2017 23:28

Instrument :

BNA_F

ClientSampleId :

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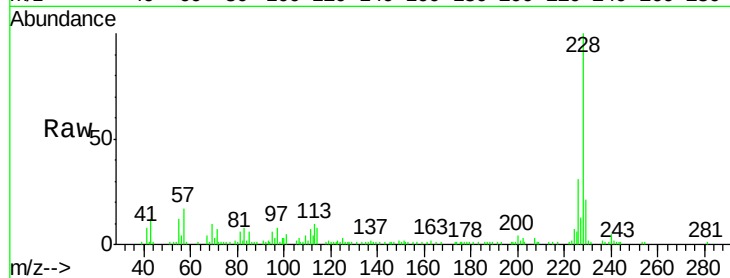
Tgt Ion: 228 Resp: 64802

Ion Ratio Lower Upper

228 100

226 31.0 25.4 38.0

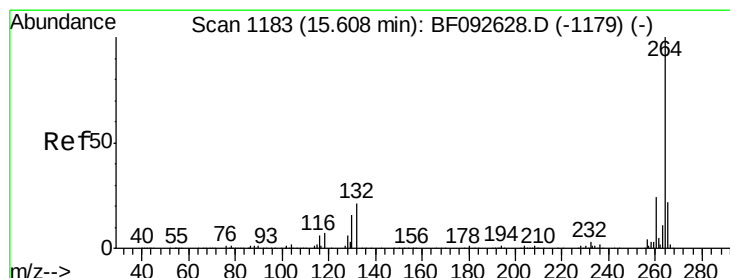
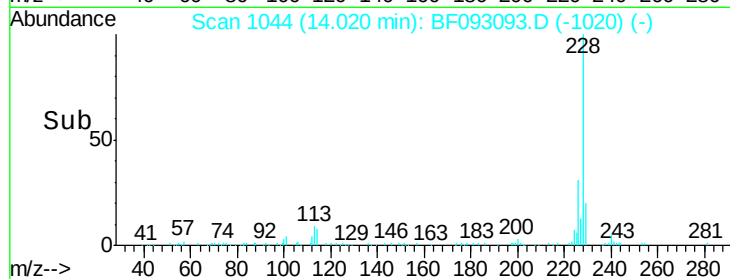
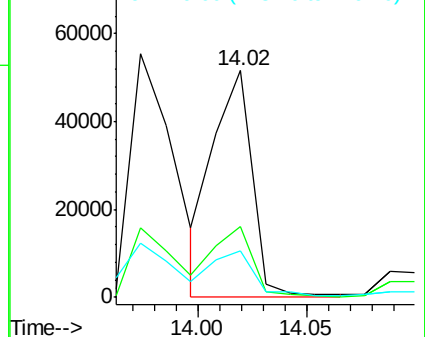
229 20.7 16.2 24.2



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: BF093093.D

Acq: 22 Feb 2017 23:28

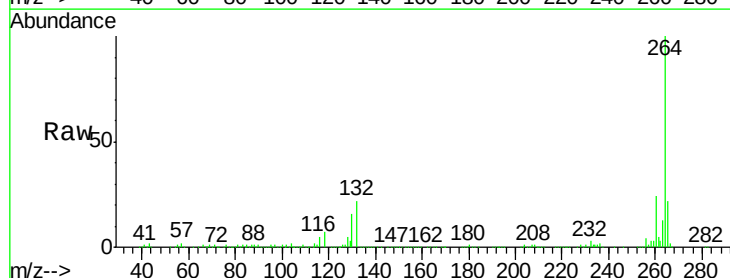
Tgt Ion: 264 Resp: 339788

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

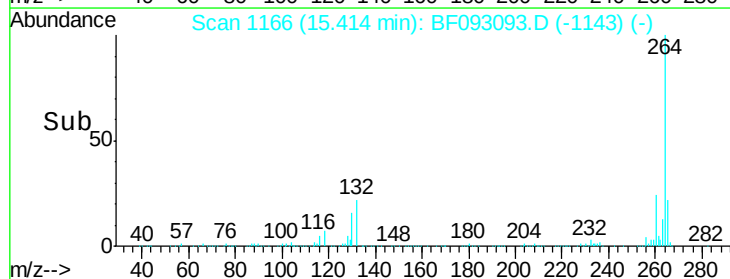
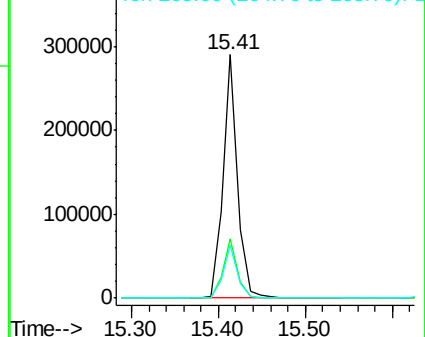
265 21.7 17.4 26.0

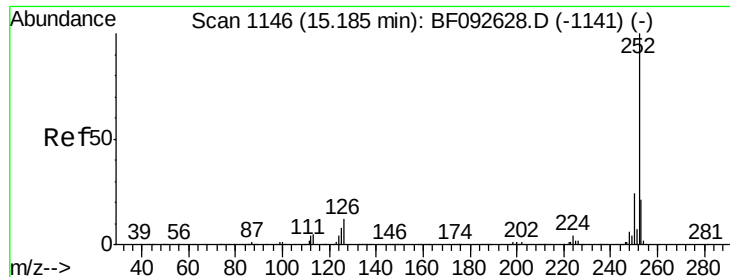


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

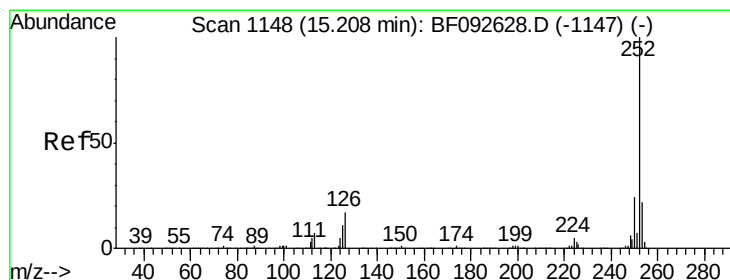
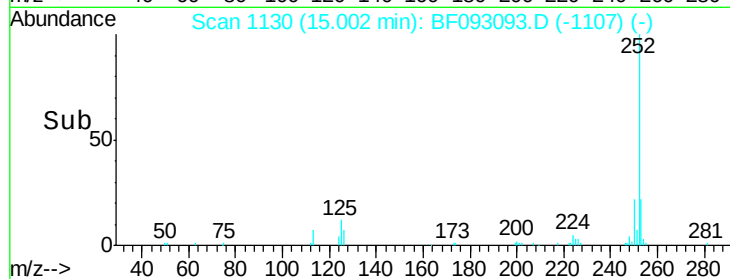
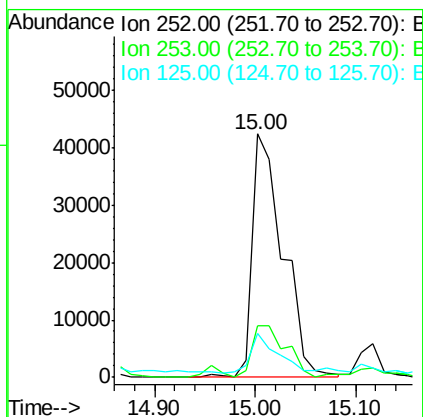
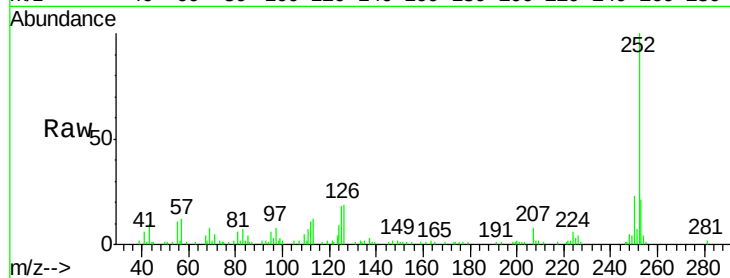




#87
Benzo(b)fluoranthene
Concen: 4.03 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF093093.D
Acq: 22 Feb 2017 23:28

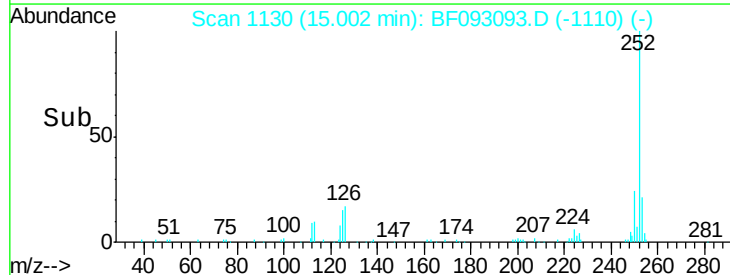
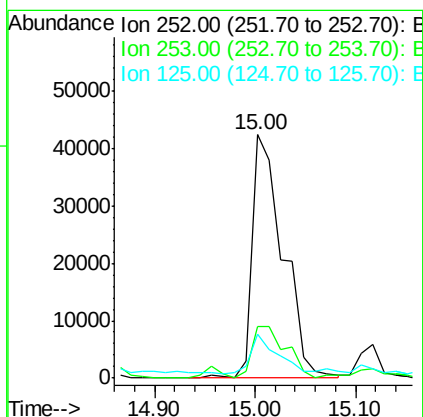
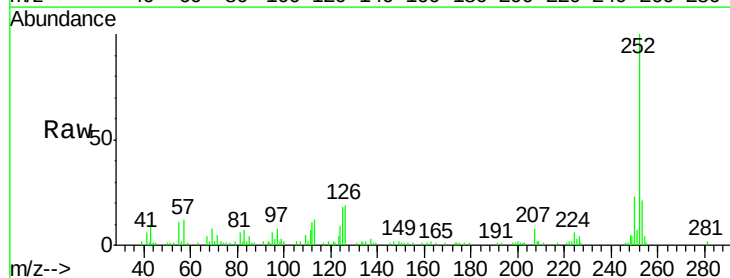
Instrument :
BNA_F
ClientSampleId :
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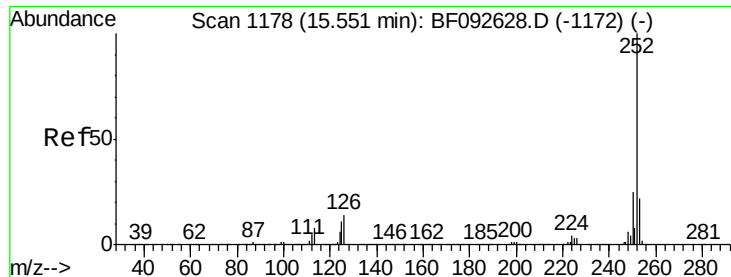
Tgt Ion:252 Resp: 90207
Ion Ratio Lower Upper
252 100
253 21.4 18.2 27.4
125 18.0 9.8 14.6#



#88
Benzo(k)fluoranthene
Concen: 4.67 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.07 min
Lab File: BF093093.D
Acq: 22 Feb 2017 23:28

Tgt Ion:252 Resp: 90207
Ion Ratio Lower Upper
252 100
253 21.4 18.5 27.7
125 18.0 8.9 13.3#





#89

Benzo(a)pyrene

Concen: 2.13 ng

RT: 15.36 min Scan# 1161

Delta R.T. -0.03 min

Lab File: BF093093.D

Acq: 22 Feb 2017 23:28

Instrument :

BNA_F

ClientSampleId :

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Tgt Ion: 252 Resp: 41232

Ion Ratio Lower Upper

252 100

253 22.2 18.2 27.2

125 13.8 10.0 15.0

