

Data File : BF093219.D
Acq On : 27 Feb 2017 22:02
Operator : SJ/MA
Sample : I2013-01
Misc :
ALS Vial : 8 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :
CR-1

Quant Time: Feb 27 23:54:14 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	6.82	152	160782	20.00	ng	-0.03
21) Naphthalene-d8	8.10	136	626956	20.00	ng	-0.05
38) Acenaphthene-d10	9.86	164	304622	20.00	ng	-0.03
63) Phenanthrene-d10	11.34	188	511450	20.00	ng	-0.03
75) Chrysene-d12	13.99	240	370841	20.00	ng	-0.03
86) Perylene-d12	15.41	264	314636	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.42	112	159453	17.01	ng	-0.02
7) Phenol-d6	6.46	99	1117277	92.66	ng	-0.02
23) Nitrobenzene-d5	7.39	82	1049201	93.19	ng	-0.03
41) 2,4,6-Tribromophenol	10.65	330	14521	6.59	ng	-0.03
44) 2-Fluorobiphenyl	9.18	172	1566266	93.15	ng	-0.03
78) Terphenyl-d14	12.93	244	1096613	69.48	ng	-0.03

Target Compounds				Qvalue		
10) Phenol	6.48	94	90806	6.44	ng	96
19) n-Nitroso-di-n-propylamine	7.39	70	140555	18.31	ng	# 79
25) Isophorone	7.39	82	1014115	48.34	ng	# 65
32) Benzoic acid	8.10	122	222	7.20	ng	# 1
49) Dimethylphthalate	9.57	163	111227	5.42	ng	# 99
56) 2,4-Dinitrotoluene	9.86	165	40421	6.85	ng	# 20
70) Phenanthrene	11.37	178	169087	5.77	ng	97
71) Anthracene	11.37	178	169087	5.75	ng	97
74) Fluoranthene	12.56	202	200215	6.62	ng	95
77) Pyrene	12.79	202	156794	5.65	ng	97
80) Benzo(a)anthracene	13.97	228	56480	2.49	ng	97
82) Chrysene	14.01	228	69455	3.27	ng	97
87) Benzo(b)fluoranthene	15.00	252	97356	4.70	ng	# 95
88) Benzo(k)fluoranthene	15.00	252	97356	5.44	ng	# 94
89) Benzo(a)pyrene	15.35	252	46347	2.59	ng	# 84
91) Benzo(g,h,i)perylene	17.23	276	30224	2.07	ng	# 86

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

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CR-1

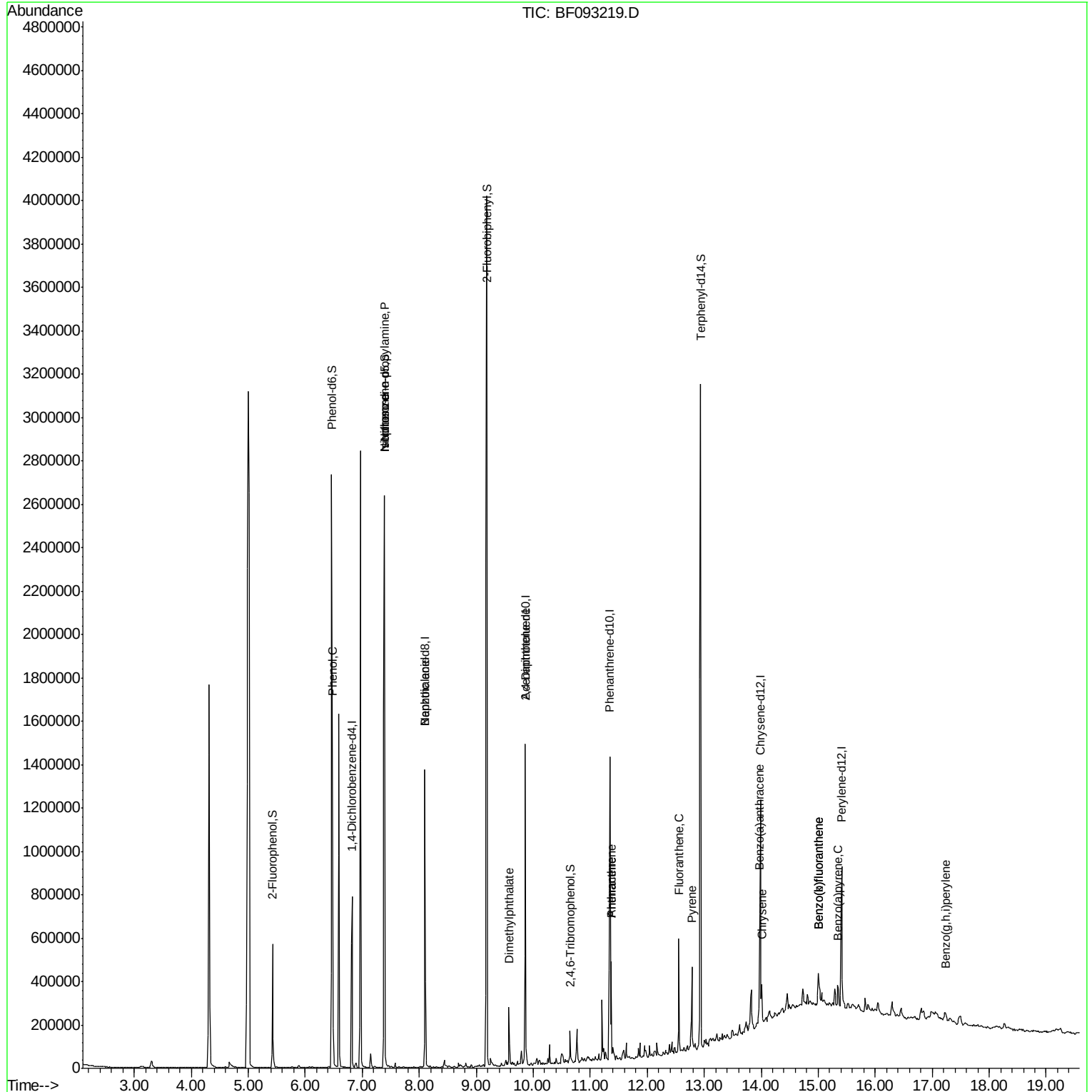
Quant Time: Feb 27 23:54:14 2017

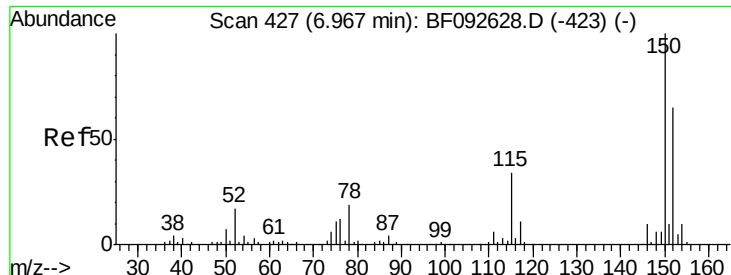
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF013017.M

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: 6.82 min Scan# 414

Delta R.T. -0.03 min

Lab File: BF093219.D

Acq: 27 Feb 2017 22:02

Instrument :

BNA_F

ClientSampleId :

CR-1

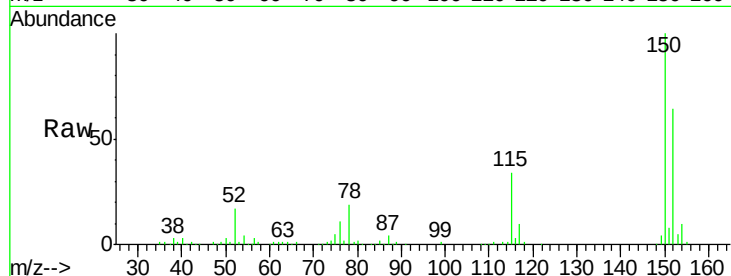
Tgt Ion:152 Resp: 160782

Ion Ratio Lower Upper

152 100

150 155.5 124.9 187.3

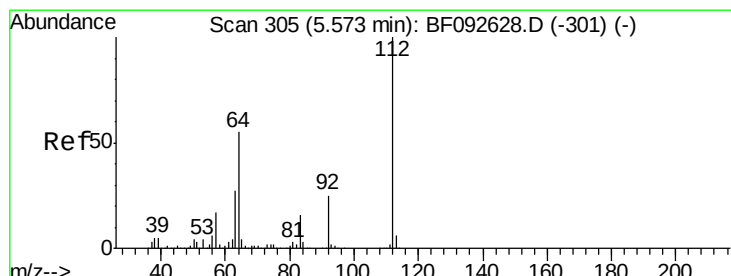
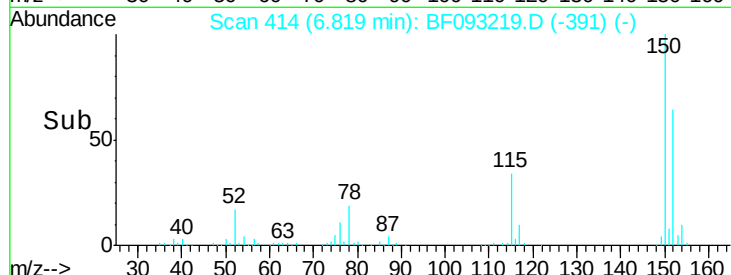
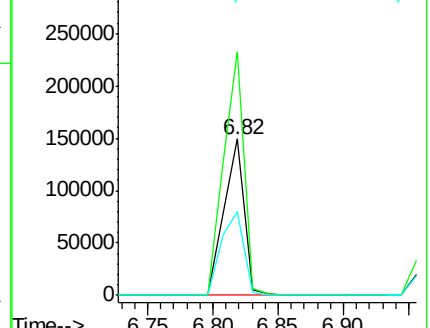
115 53.1 46.0 69.0



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#5

2-Fluorophenol

Concen: 17.01 ng

RT: 5.42 min Scan# 292

Delta R.T. -0.02 min

Lab File: BF093219.D

Acq: 27 Feb 2017 22:02

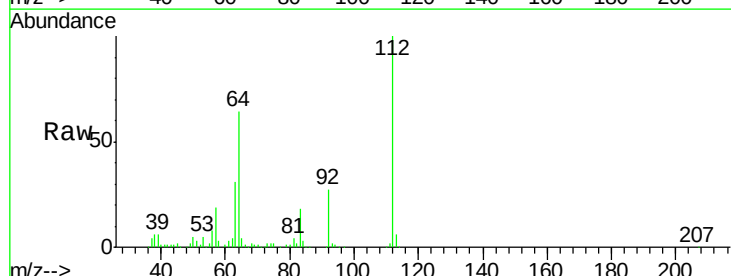
Tgt Ion:112 Resp: 159453

Ion Ratio Lower Upper

112 100

64 64.1 46.1 69.1

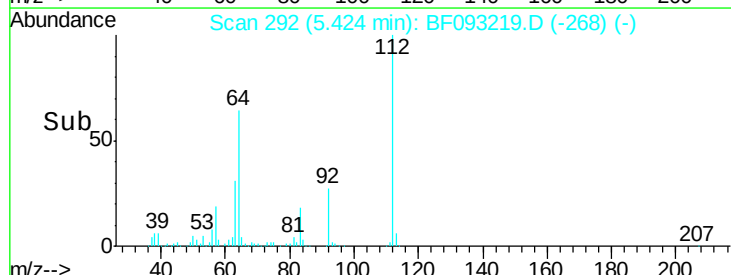
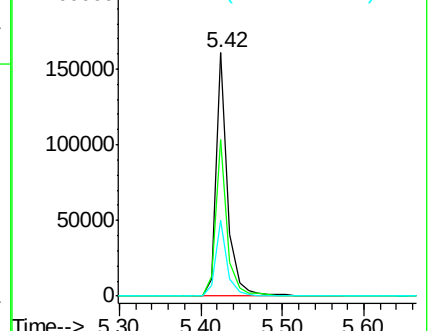
63 31.0 23.8 35.6

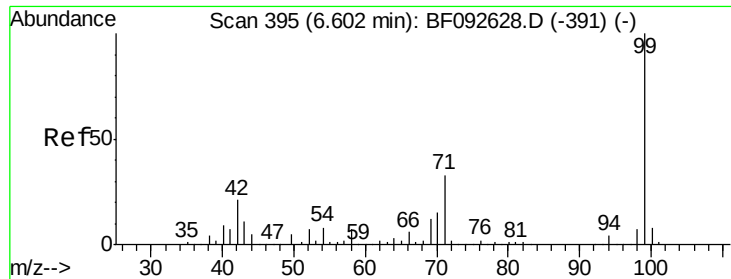


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 92.66 ng

RT: 6.46 min Scan# 383

Delta R.T. -0.02 min

Lab File: BF093219.D

Acq: 27 Feb 2017 22:02

Instrument :

BNA_F

ClientSampleId :

CR-1

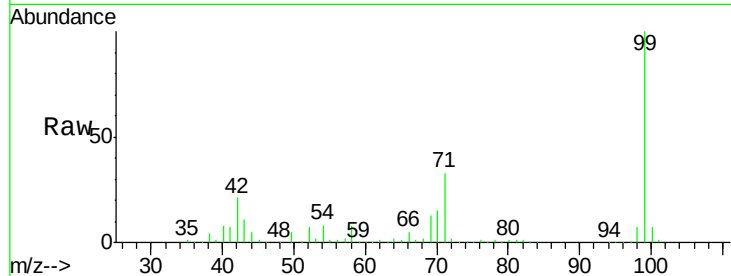
Tgt Ion: 99 Resp: 1117277

Ion Ratio Lower Upper

99 100

42 21.0 15.6 23.4

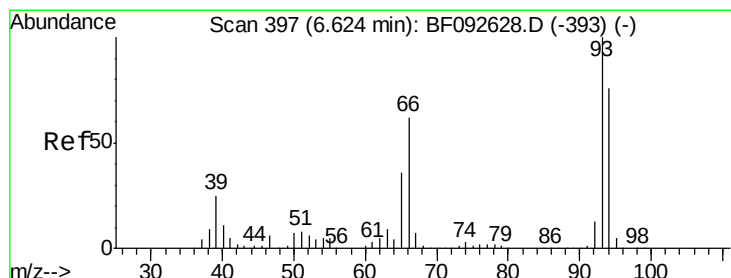
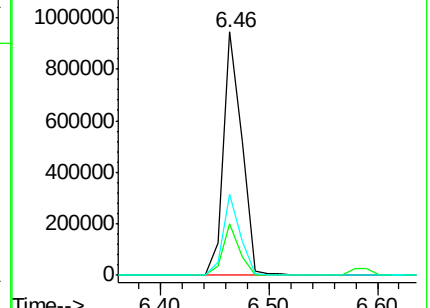
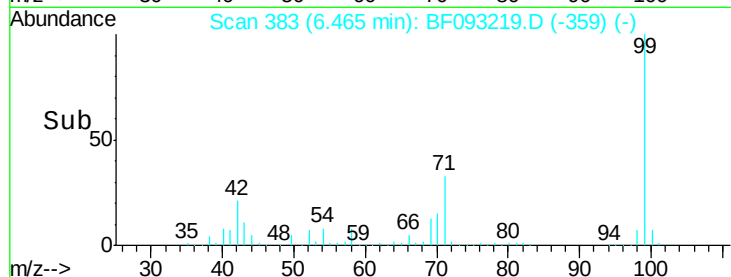
71 33.3 27.5 41.3



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



#10

Phenol

Concen: 6.44 ng

RT: 6.48 min Scan# 384

Delta R.T. -0.03 min

Lab File: BF093219.D

Acq: 27 Feb 2017 22:02

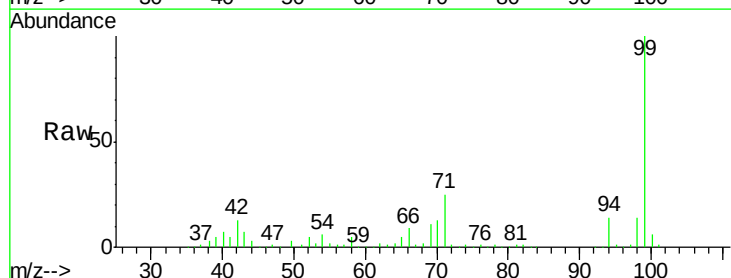
Tgt Ion: 94 Resp: 90806

Ion Ratio Lower Upper

94 100

65 35.0 21.4 61.4

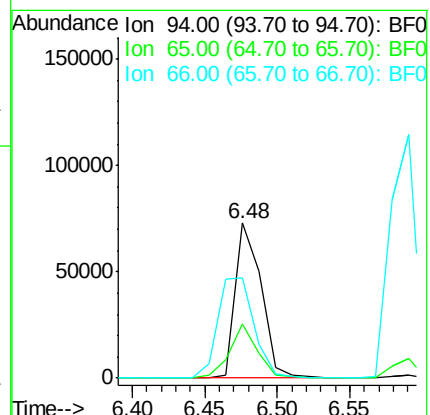
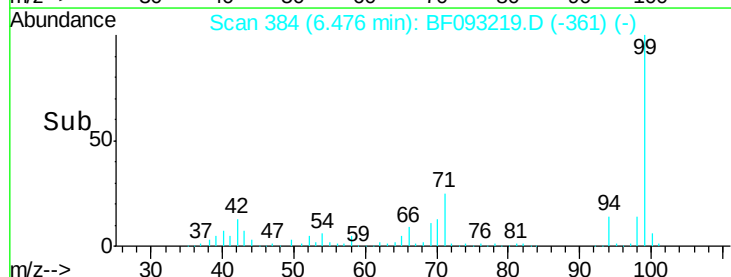
66 64.3 44.0 84.0

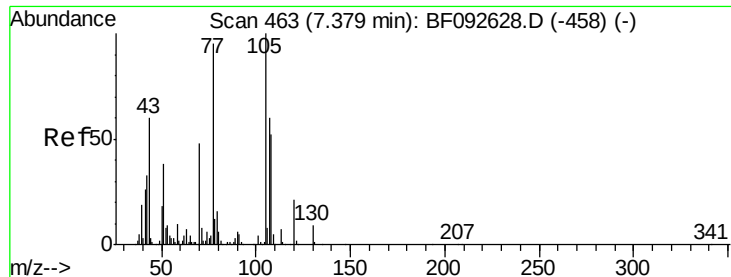


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

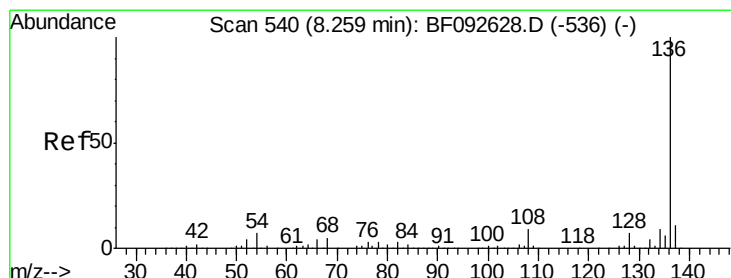
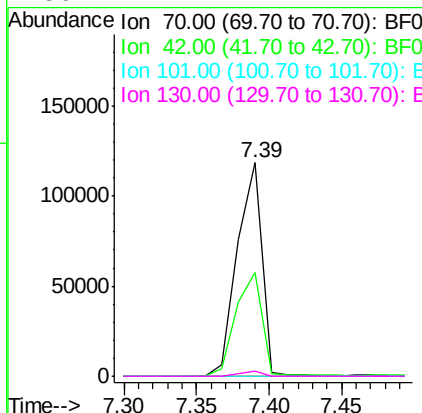
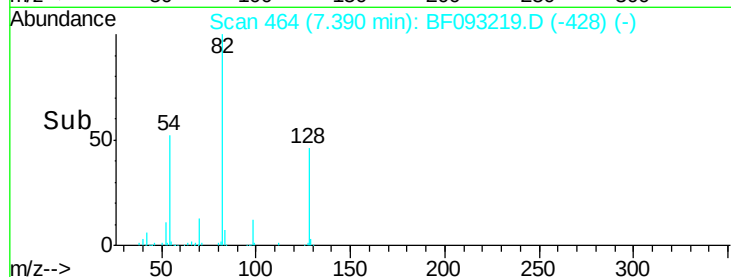
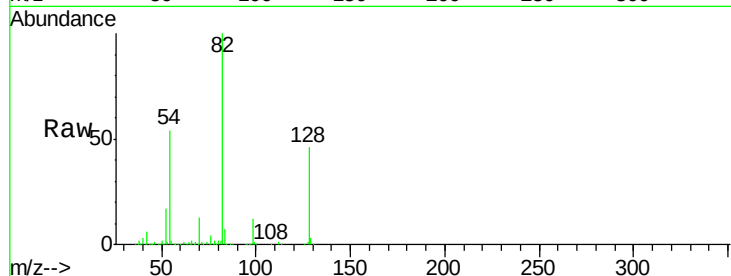




#19
n-Nitroso-di-n-propylamine
Concen: 18.31 ng
RT: 7.39 min Scan# 464
Delta R.T. 0.11 min
Lab File: BF093219.D
Acq: 27 Feb 2017 22:02

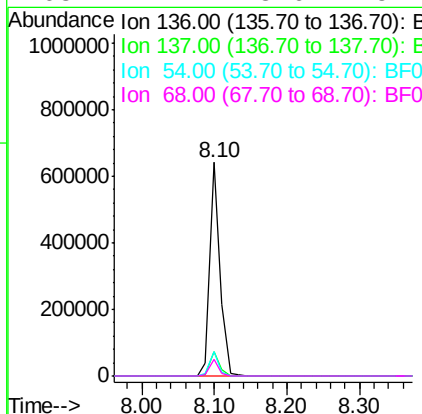
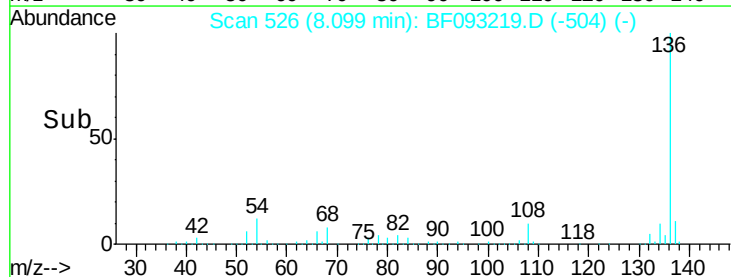
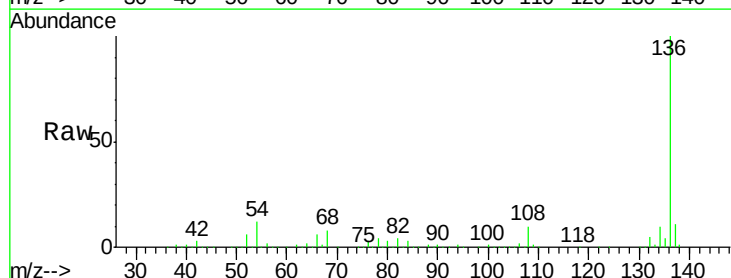
Instrument :
BNA_F
ClientSampleId :
CR-1

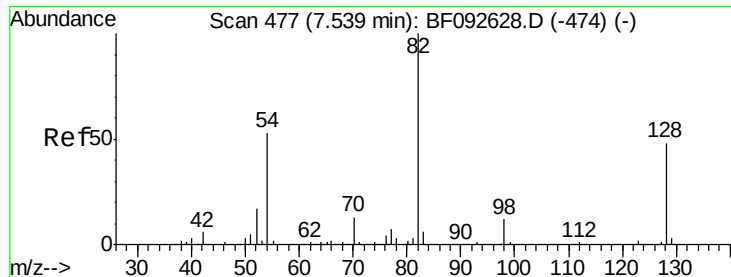
Tgt Ion: 70 Resp: 140555
Ion Ratio Lower Upper
70 100
42 48.8 49.4 74.0#
101 0.0 7.4 11.2#
130 2.1 14.2 21.4#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.10 min Scan# 526
Delta R.T. -0.05 min
Lab File: BF093219.D
Acq: 27 Feb 2017 22:02

Tgt Ion: 136 Resp: 626956
Ion Ratio Lower Upper
136 100
137 11.4 8.4 12.6
54 11.7 4.5 6.7#
68 7.7 3.6 5.4#

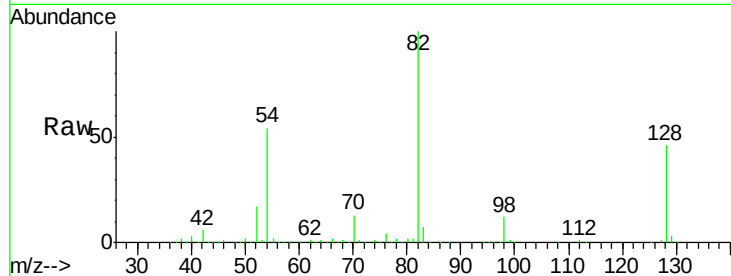




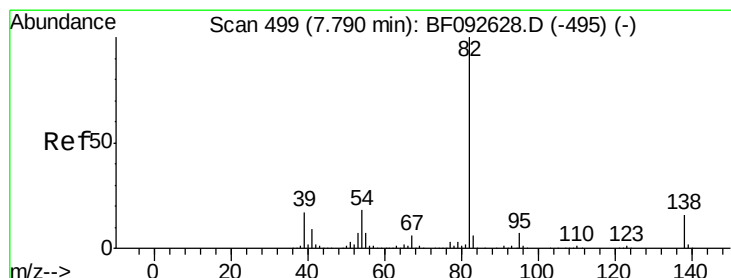
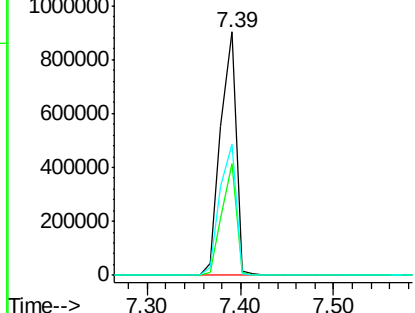
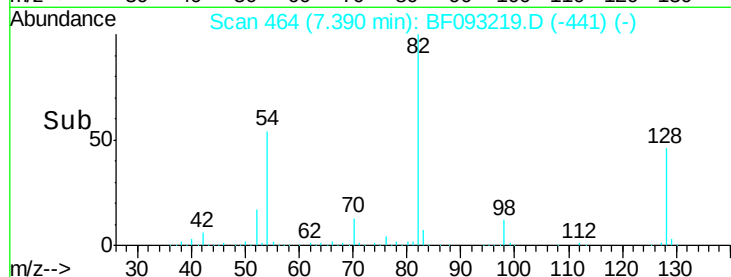
#23
Nitrobenzene-d5
Concen: 93.19 ng
RT: 7.39 min Scan# 464
Delta R.T. -0.03 min
Lab File: BF093219.D
Acq: 27 Feb 2017 22:02

Instrument :
BNA_F
ClientSampled :
CR-1

Tgt Ion: 82 Resp: 1049201
Ion Ratio Lower Upper
82 100
128 46.0 34.6 52.0
54 53.8 39.5 59.3

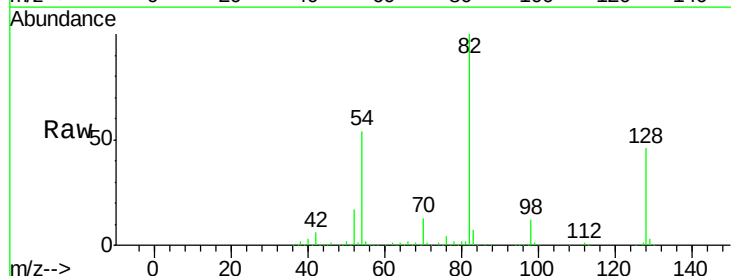


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

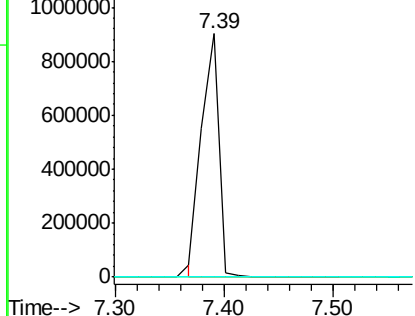
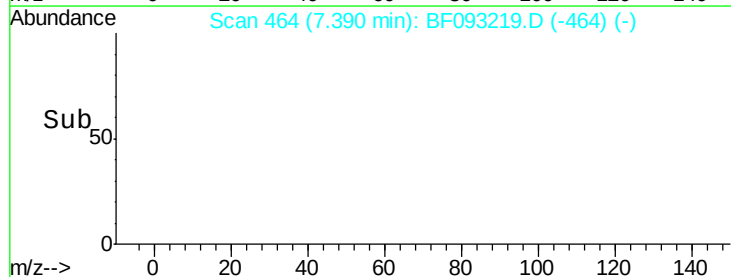


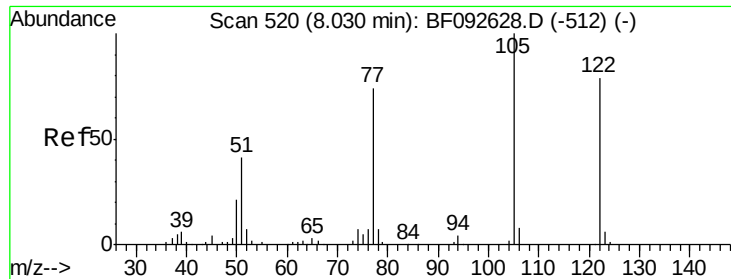
#25
Isophorone
Concen: 48.34 ng
RT: 7.39 min Scan# 464
Delta R.T. -0.30 min
Lab File: BF093219.D
Acq: 27 Feb 2017 22:02

Tgt Ion: 82 Resp: 1014115
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): BF0





#32

Benzoic acid

Concen: 7.20 ng

RT: 8.10 min Scan# 526

Delta R.T. 0.17 min

Lab File: BF093219.D

Acq: 27 Feb 2017 22:02

Instrument :

BNA_F

ClientSampleId :

CR-1

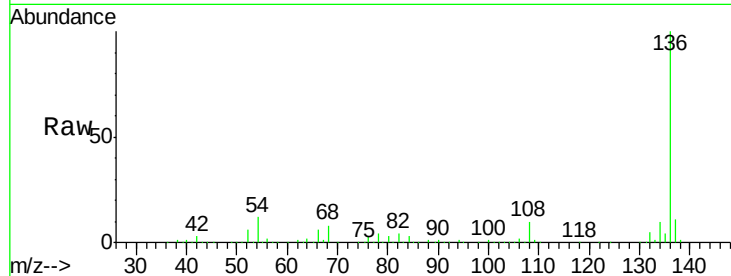
Tgt Ion:122 Resp: 222

Ion Ratio Lower Upper

122 100

105 177.5 107.2 147.2#

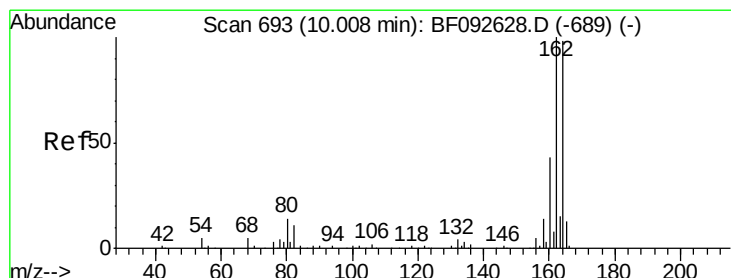
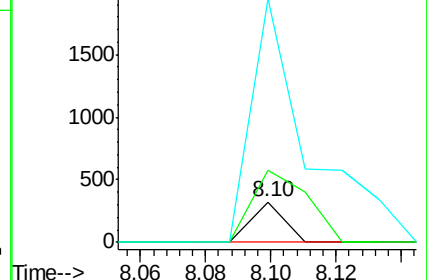
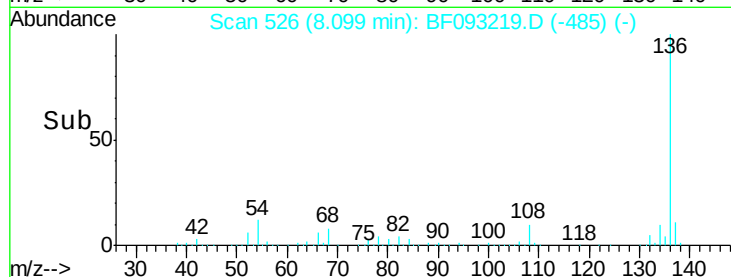
77 600.3 74.5 114.5#



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: 9.86 min Scan# 680

Delta R.T. -0.03 min

Lab File: BF093219.D

Acq: 27 Feb 2017 22:02

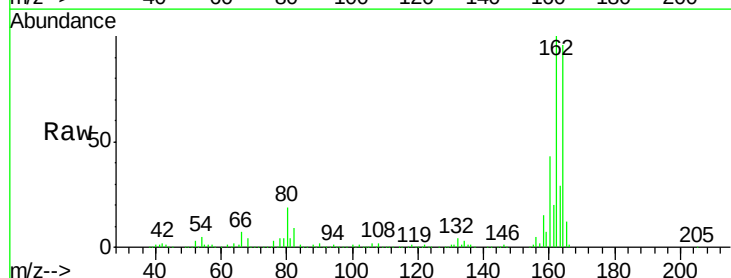
Tgt Ion:164 Resp: 304622

Ion Ratio Lower Upper

164 100

162 104.4 80.2 120.2

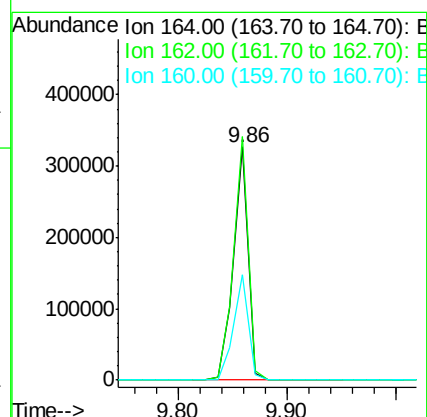
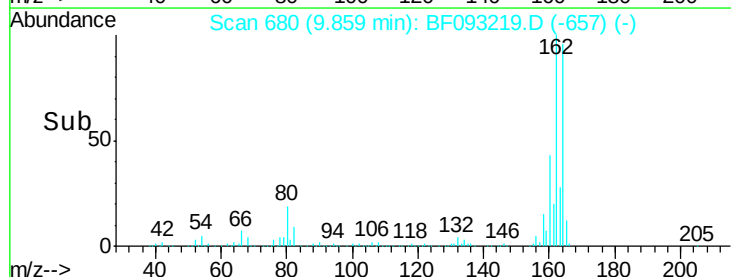
160 45.0 36.9 55.3

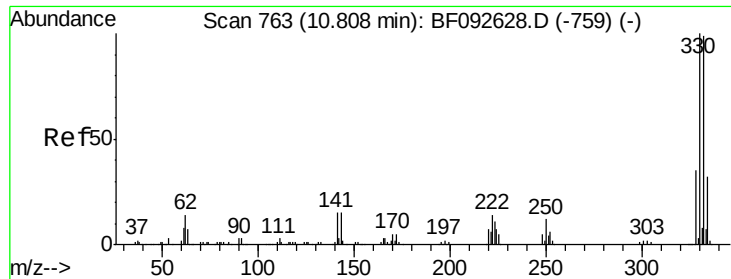


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

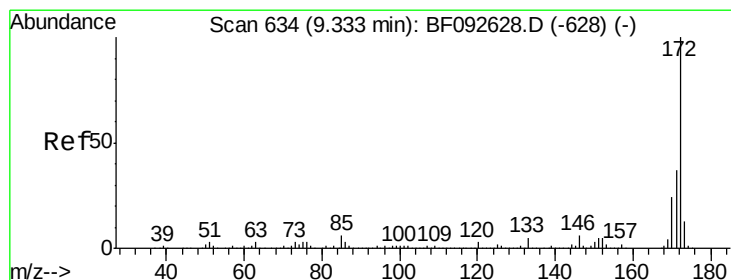
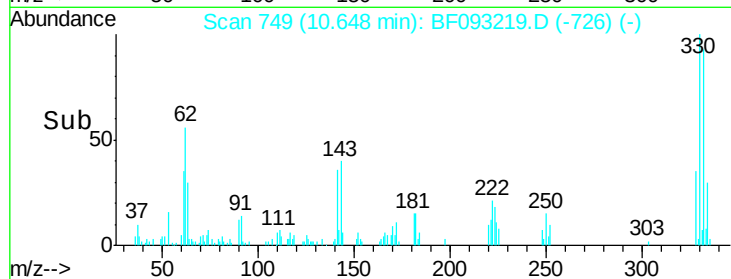
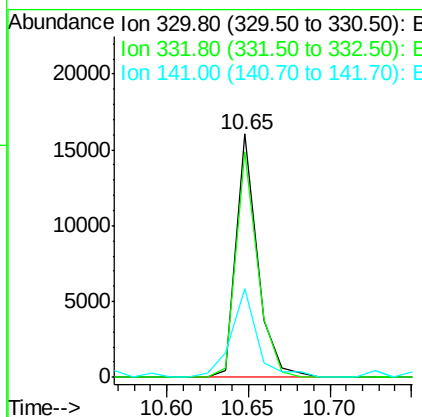
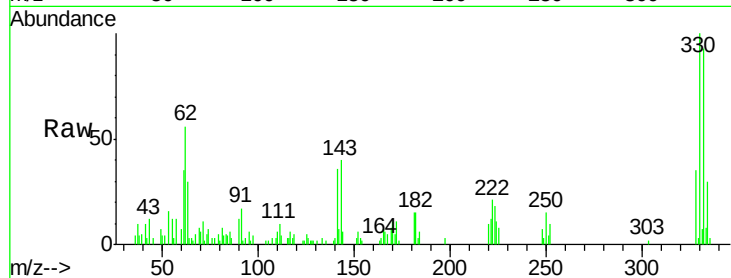




#41
 2,4,6-Tribromophenol
 Concen: 6.59 ng
 RT: 10.65 min Scan# 749
 Delta R.T. -0.03 min
 Lab File: BF093219.D
 Acq: 27 Feb 2017 22:02

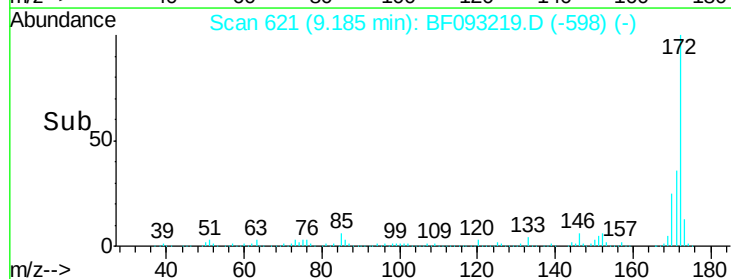
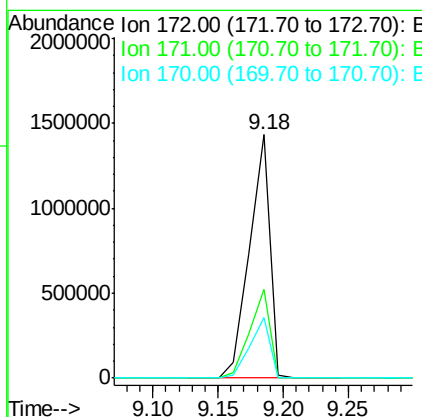
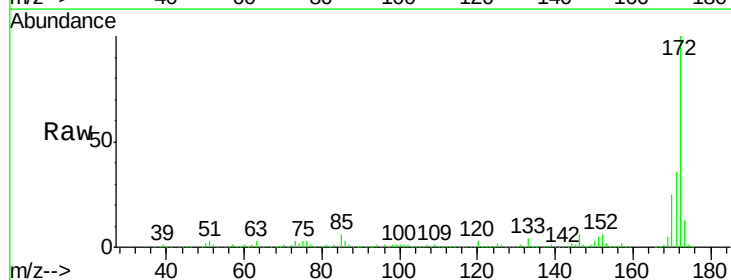
Instrument :
 BNA_F
 ClientSampleId :
 CR-1

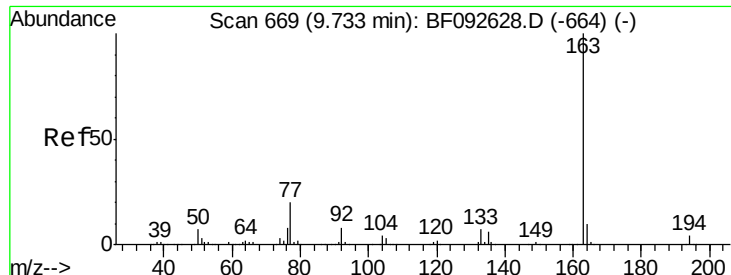
Tgt Ion:330 Resp: 14521
 Ion Ratio Lower Upper
 330 100
 332 93.3 77.4 116.2
 141 44.7 34.1 51.1



#44
 2-Fluorobiphenyl
 Concen: 93.15 ng
 RT: 9.18 min Scan# 621
 Delta R.T. -0.03 min
 Lab File: BF093219.D
 Acq: 27 Feb 2017 22:02

Tgt Ion:172 Resp: 1566266
 Ion Ratio Lower Upper
 172 100
 171 36.5 29.4 44.0
 170 24.8 20.2 30.4





#49

Dimethylphthalate

Concen: 5.42 ng

RT: 9.57 min Scan# 655

Delta R.T. -0.05 min

Lab File: BF093219.D

Acq: 27 Feb 2017 22:02

Instrument :

BNA_F

ClientSampleId :

CR-1

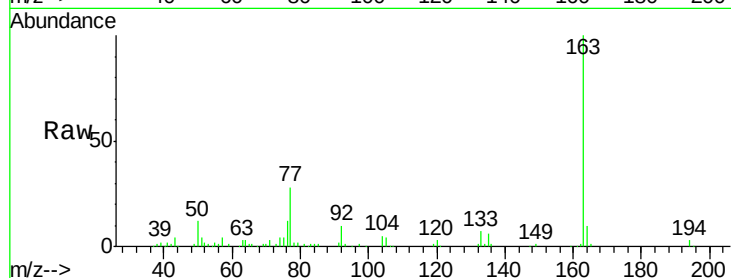
Tgt Ion:163 Resp: 111227

Ion Ratio Lower Upper

163 100

194 2.9 3.0 4.4#

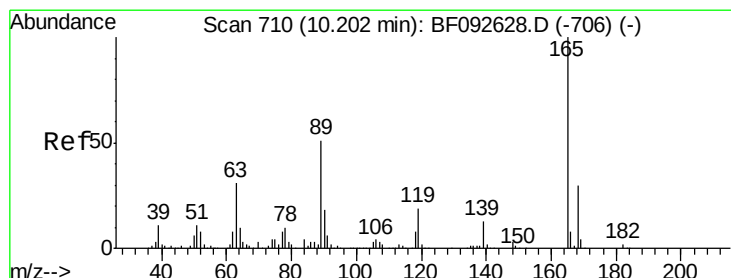
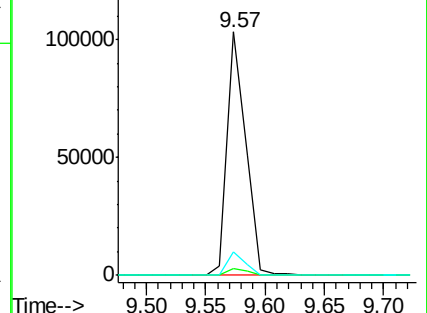
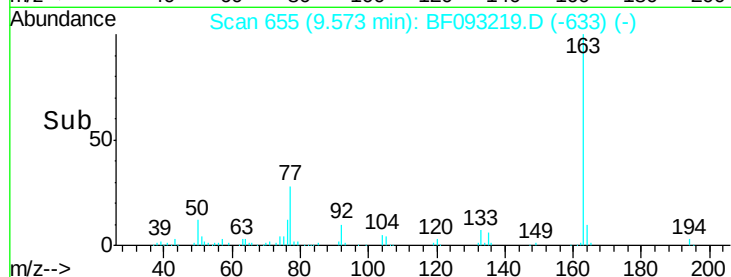
164 9.9 8.0 12.0



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: 6.85 ng

RT: 9.86 min Scan# 680

Delta R.T. -0.23 min

Lab File: BF093219.D

Acq: 27 Feb 2017 22:02

Tgt Ion:165 Resp: 40421

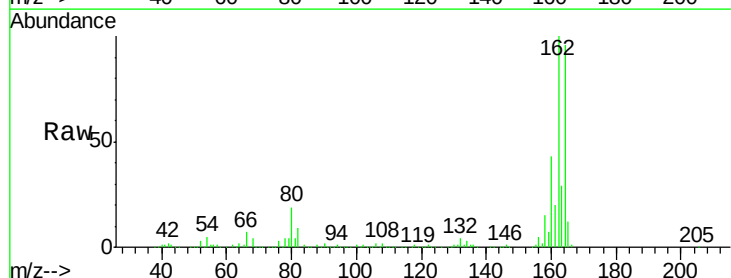
Ion Ratio Lower Upper

165 100

63 1.0 40.2 60.4#

89 1.4 62.5 93.7#

182 0.0 1.8 2.8#

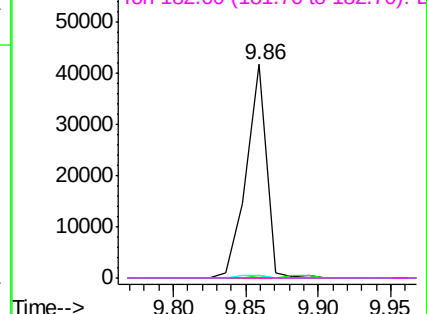
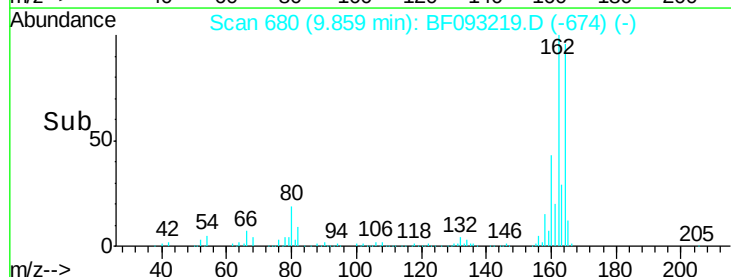


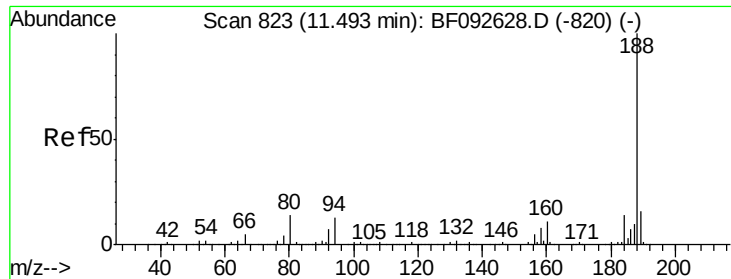
Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.34 min Scan# 810

Delta R.T. -0.03 min

Lab File: BF093219.D

Acq: 27 Feb 2017 22:02

Instrument :

BNA_F

ClientSampleId :

CR-1

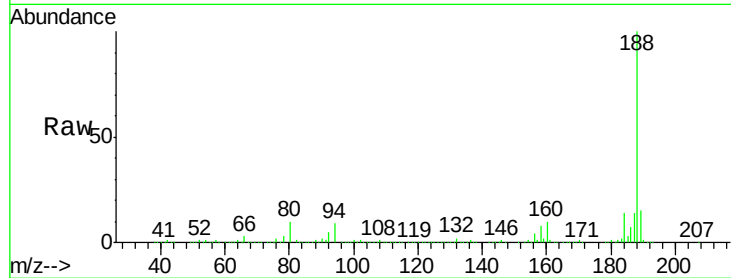
Tgt Ion:188 Resp: 511450

Ion Ratio Lower Upper

188 100

94 9.5 10.0 15.0#

80 9.9 11.2 16.8#

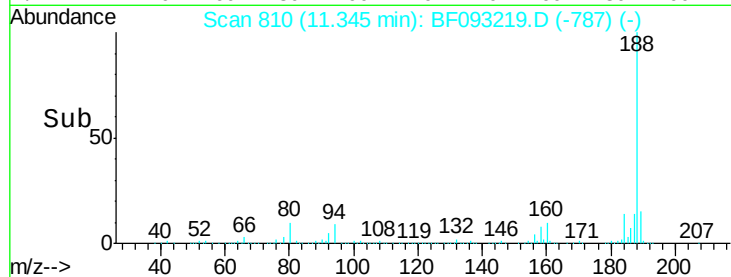


Abundance Ion 188.00 (187.70 to 188.70): E

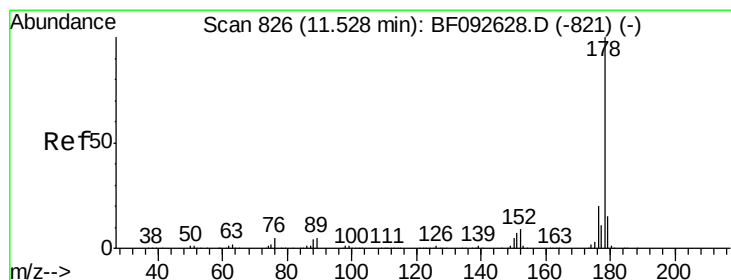
Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0

11.34



Time-->



#70

Phenanthrene

Concen: 5.77 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.03 min

Lab File: BF093219.D

Acq: 27 Feb 2017 22:02

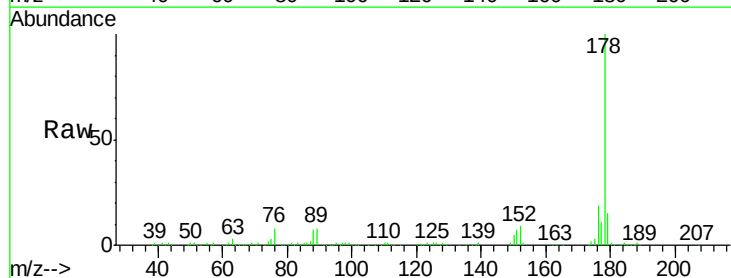
Tgt Ion:178 Resp: 169087

Ion Ratio Lower Upper

178 100

176 19.0 16.6 25.0

179 15.0 12.8 19.2

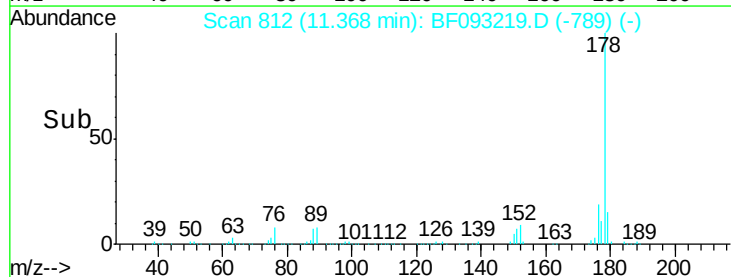


Abundance Ion 178.00 (177.70 to 178.70): E

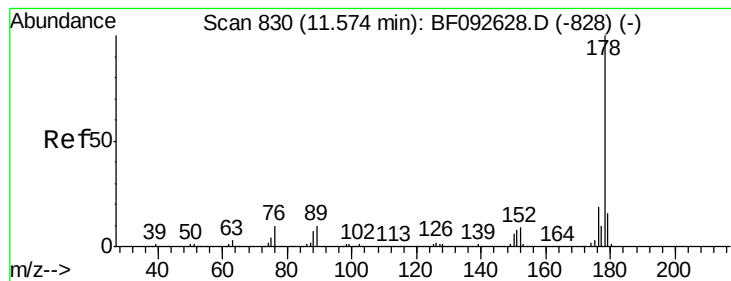
Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

11.37



Time-->



#71

Anthracene

Concen: 5.75 ng

RT: 11.37 min Scan# 812

Delta R.T. -0.09 min

Lab File: BF093219.D

Acq: 27 Feb 2017 22:02

Instrument :

BNA_F

ClientSampleId :

CR-1

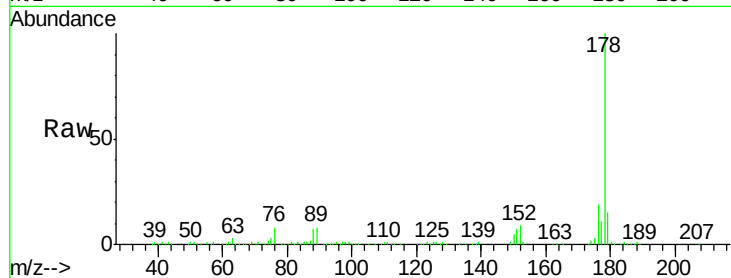
Tgt Ion:178 Resp: 169087

Ion Ratio Lower Upper

178 100

176 19.0 15.9 23.9

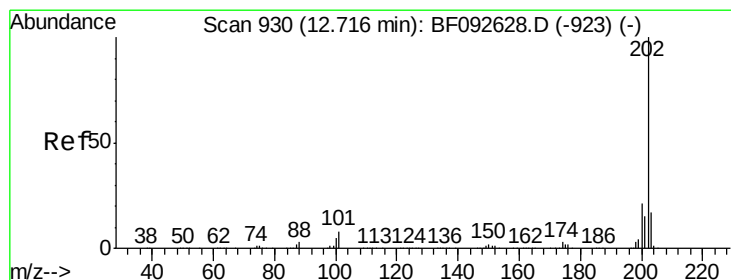
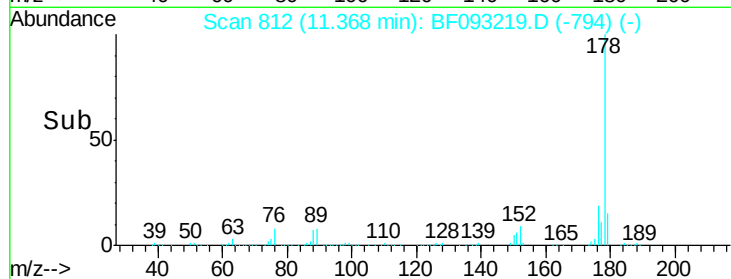
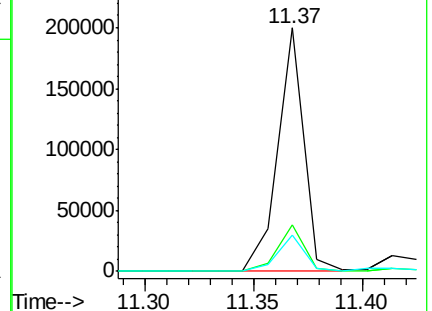
179 15.0 13.2 19.8



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: 6.62 ng

RT: 12.56 min Scan# 916

Delta R.T. -0.03 min

Lab File: BF093219.D

Acq: 27 Feb 2017 22:02

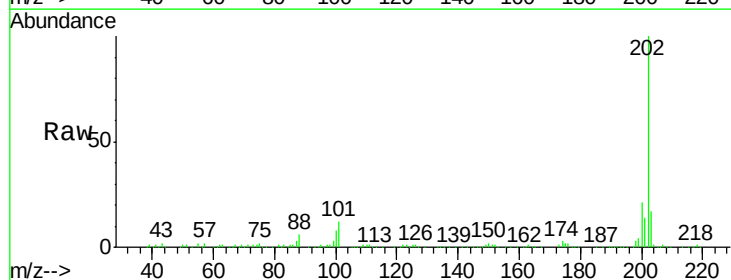
Tgt Ion:202 Resp: 200215

Ion Ratio Lower Upper

202 100

101 11.6 0.0 34.6

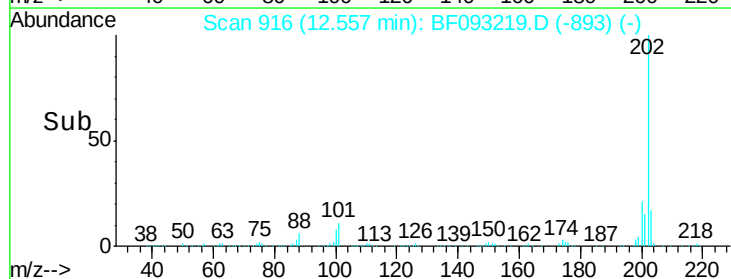
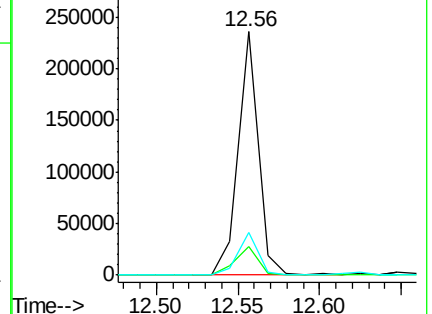
203 17.3 0.0 38.7

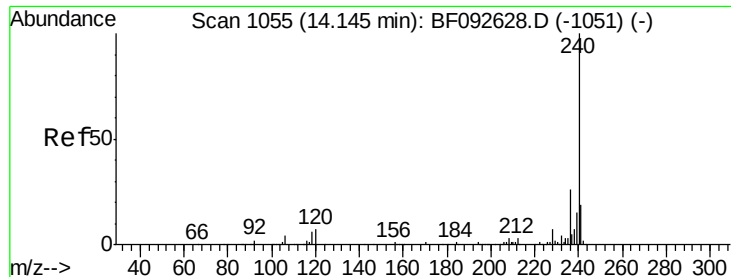


Abundance Ion 202.00 (201.70 to 202.70): E

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: BF093219.D

Acq: 27 Feb 2017 22:02

Instrument :

BNA_F

ClientSampleId :

CR-1

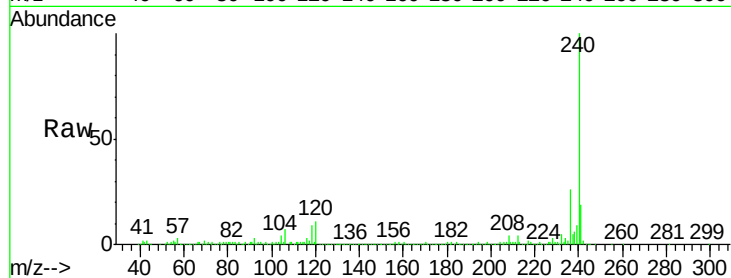
Tgt Ion:240 Resp: 370841

Ion Ratio Lower Upper

240 100

120 10.6 12.9 19.3#

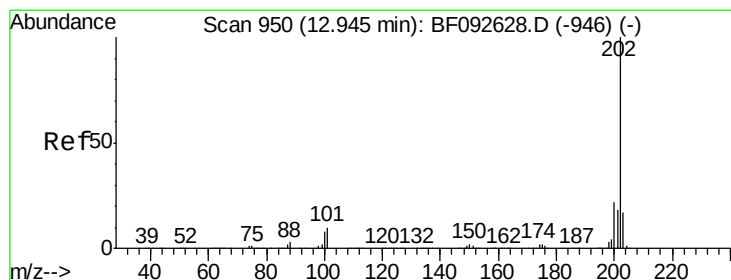
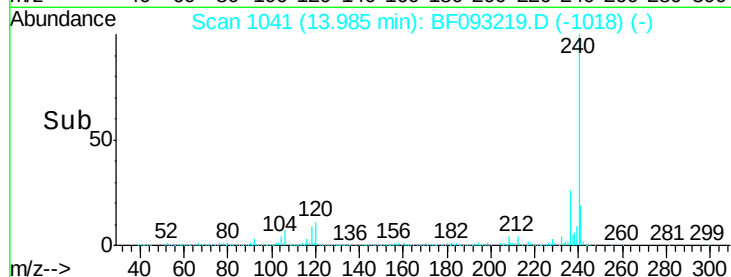
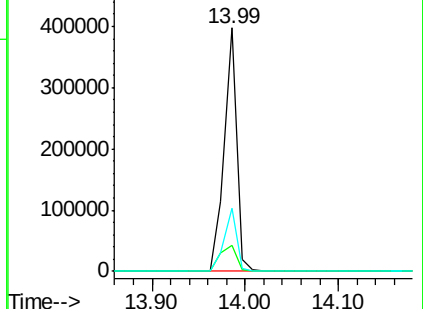
236 25.8 20.9 31.3



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: 5.65 ng

RT: 12.79 min Scan# 936

Delta R.T. -0.03 min

Lab File: BF093219.D

Acq: 27 Feb 2017 22:02

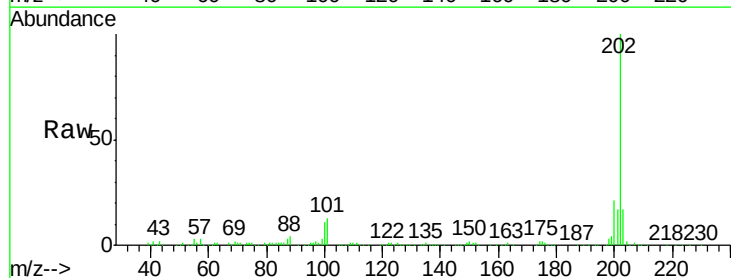
Tgt Ion:202 Resp: 156794

Ion Ratio Lower Upper

202 100

200 21.1 17.7 26.5

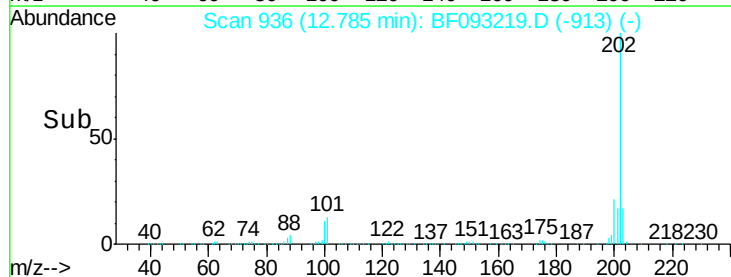
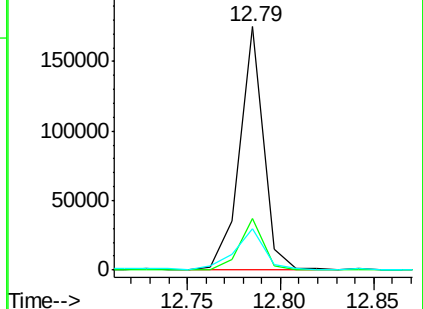
203 17.0 14.7 22.1

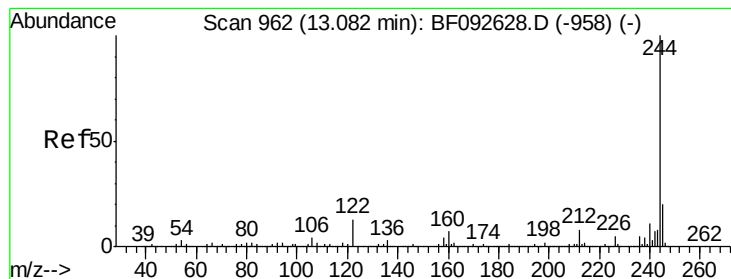


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 69.48 ng

RT: 12.93 min Scan# 949

Delta R.T. -0.03 min

Lab File: BF093219.D

Acq: 27 Feb 2017 22:02

Instrument :

BNA_F

ClientSampleId :

CR-1

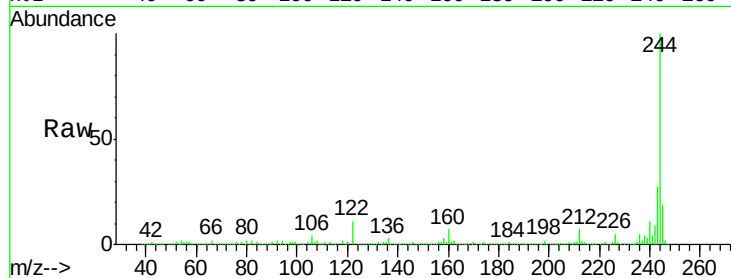
Tgt Ion:244 Resp: 1096613

Ion Ratio Lower Upper

244 100

212 7.3 6.2 9.2

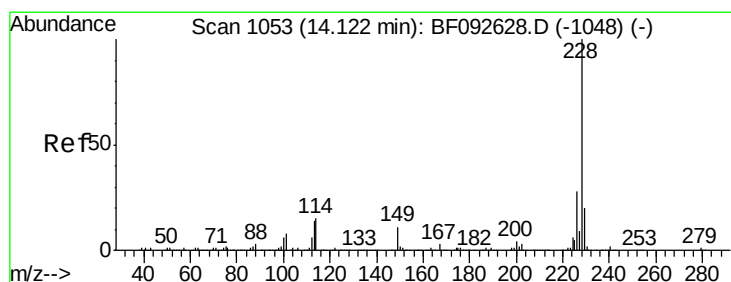
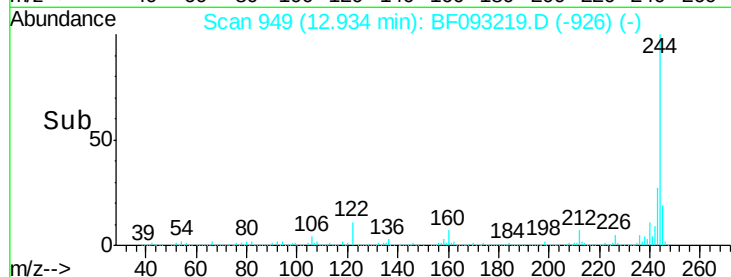
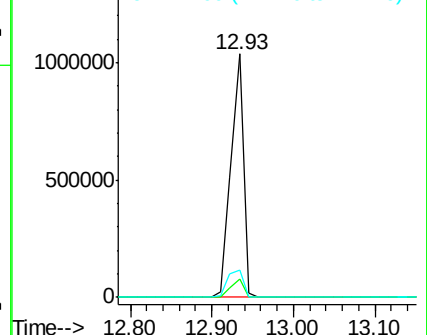
122 11.3 11.4 17.2#



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: 2.49 ng

RT: 13.97 min Scan# 1040

Delta R.T. -0.03 min

Lab File: BF093219.D

Acq: 27 Feb 2017 22:02

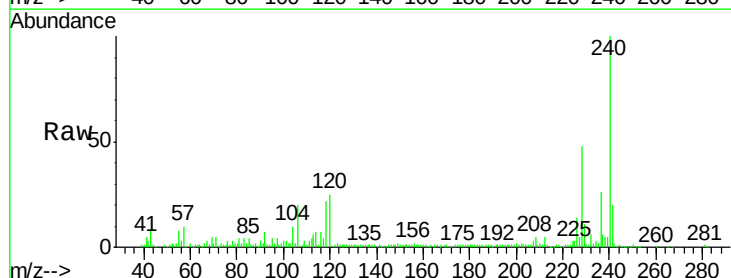
Tgt Ion:228 Resp: 56480

Ion Ratio Lower Upper

228 100

226 29.3 22.4 33.6

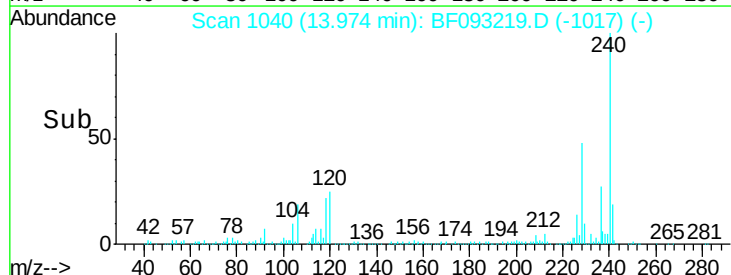
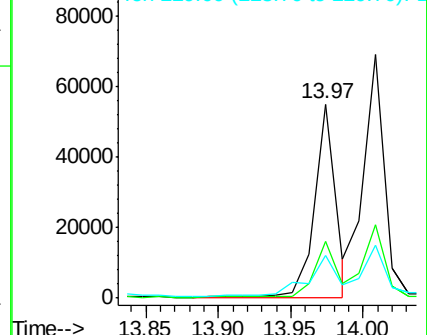
229 21.8 16.2 24.4

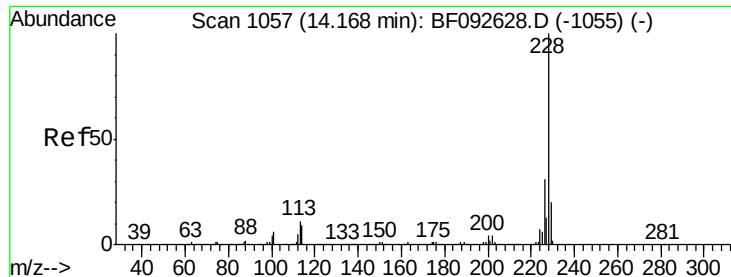


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 3.27 ng

RT: 14.01 min Scan# 1043

Delta R.T. -0.03 min

Lab File: BF093219.D

Acq: 27 Feb 2017 22:02

Instrument :

BNA_F

ClientSampleId :

CR-1

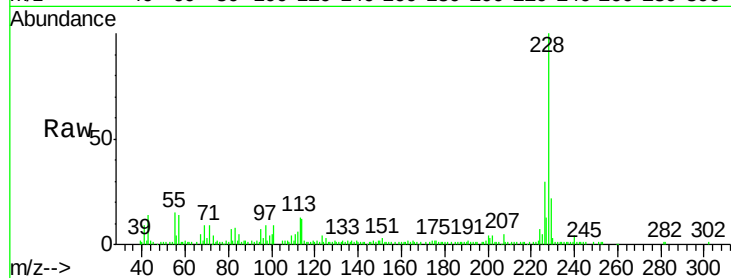
Tgt Ion:228 Resp: 69455

Ion Ratio Lower Upper

228 100

226 29.9 25.4 38.0

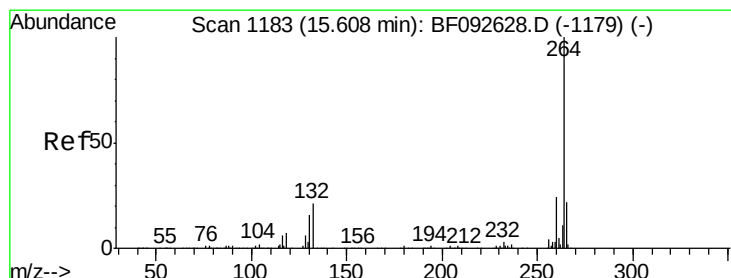
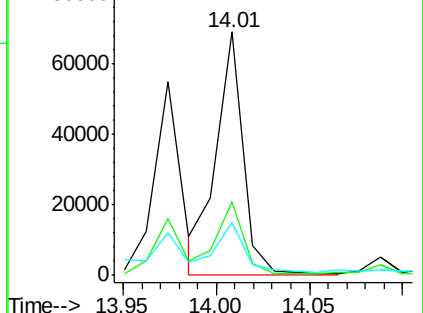
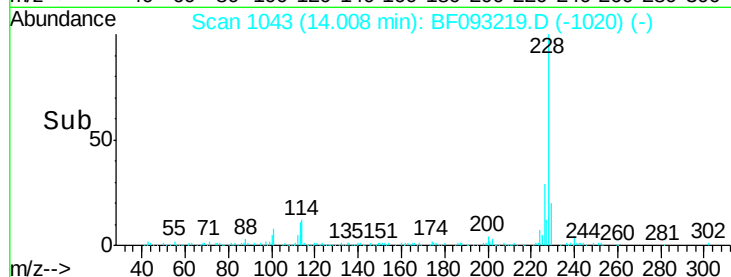
229 21.8 16.2 24.2



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: BF093219.D

Acq: 27 Feb 2017 22:02

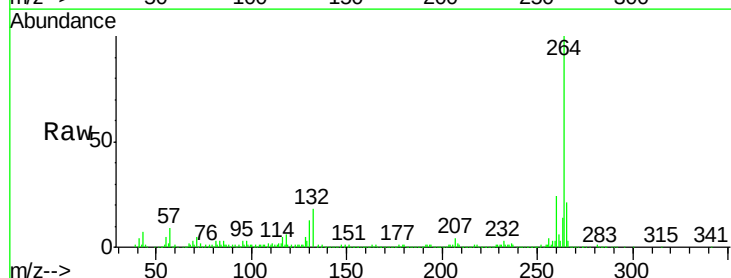
Tgt Ion:264 Resp: 314636

Ion Ratio Lower Upper

264 100

260 24.2 19.2 28.8

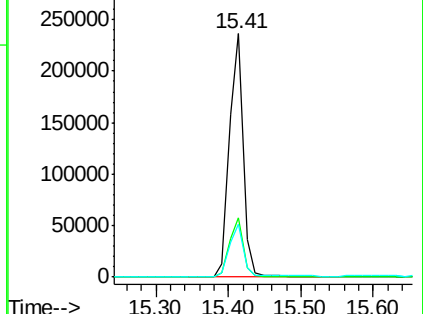
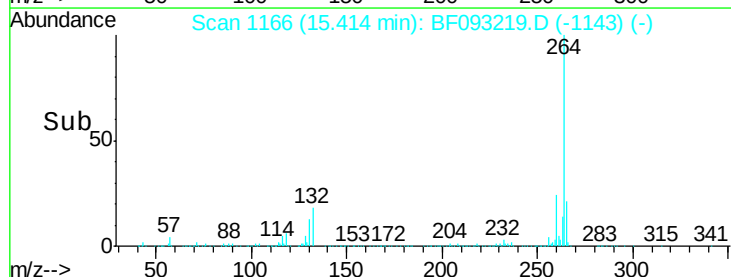
265 21.5 17.4 26.0

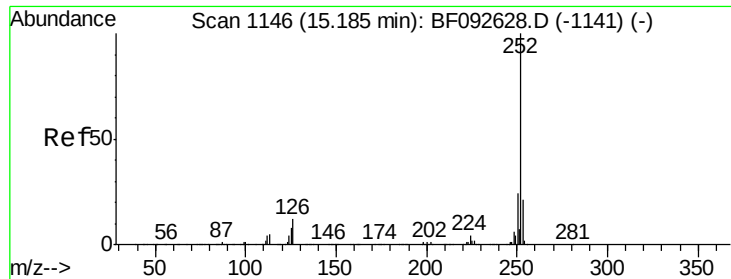


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

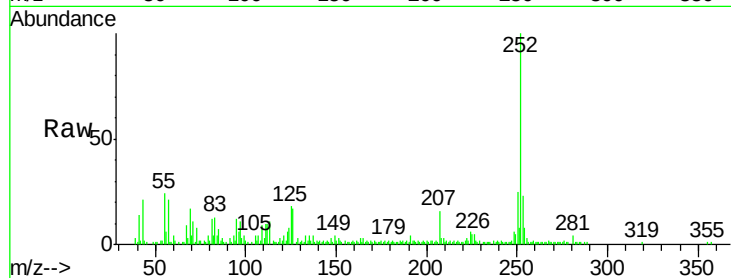




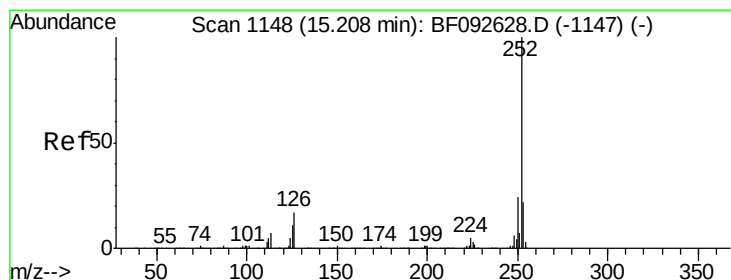
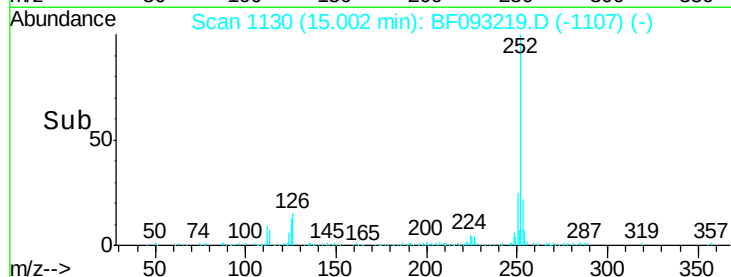
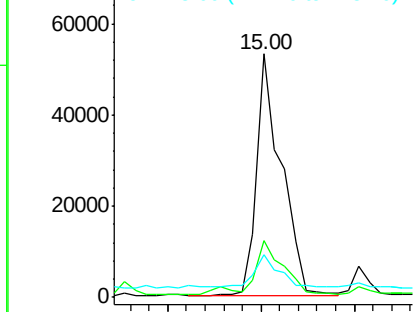
#87
Benzo(b)fluoranthene
Concen: 4.70 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.03 min
Lab File: BF093219.D
Acq: 27 Feb 2017 22:02

Instrument :
BNA_F
ClientSampleId :
CR-1

Tgt Ion:252 Resp: 97356
Ion Ratio Lower Upper
252 100
253 23.2 18.2 27.4
125 17.7 9.8 14.6#

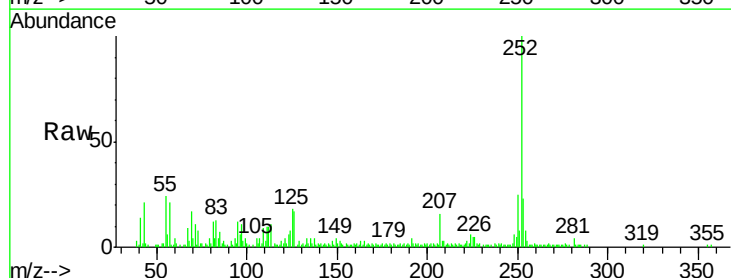


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

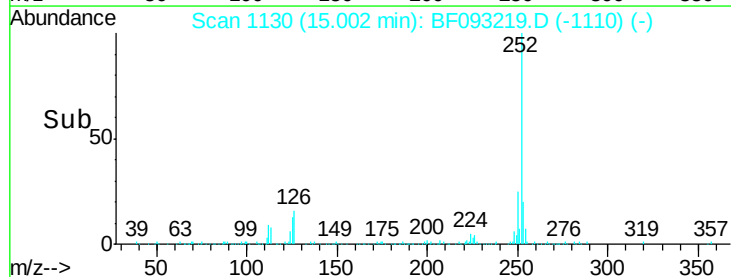
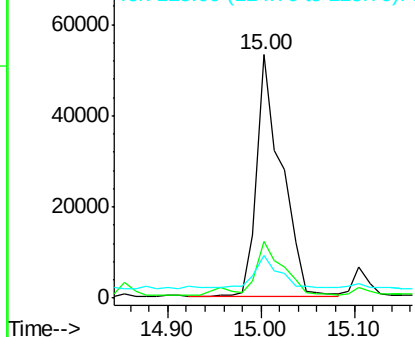


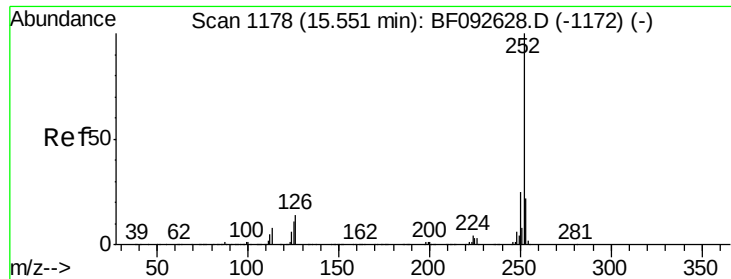
#88
Benzo(k)fluoranthene
Concen: 5.44 ng
RT: 15.00 min Scan# 1130
Delta R.T. -0.07 min
Lab File: BF093219.D
Acq: 27 Feb 2017 22:02

Tgt Ion:252 Resp: 97356
Ion Ratio Lower Upper
252 100
253 23.2 18.5 27.7
125 17.7 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

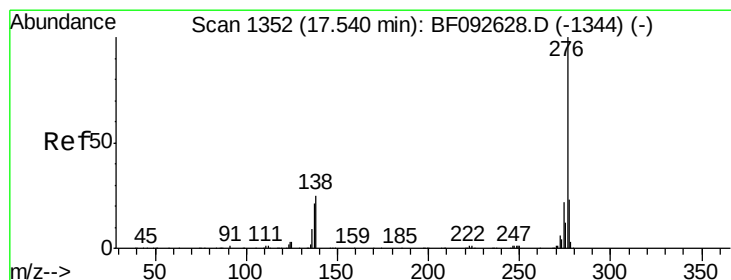
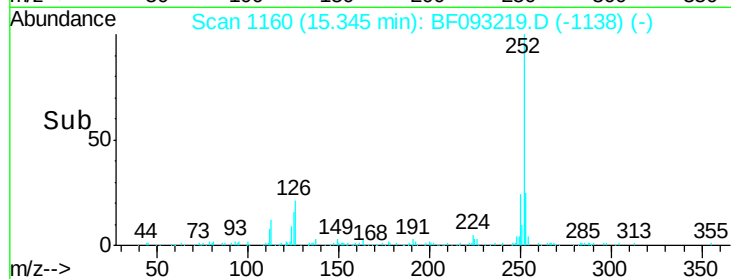
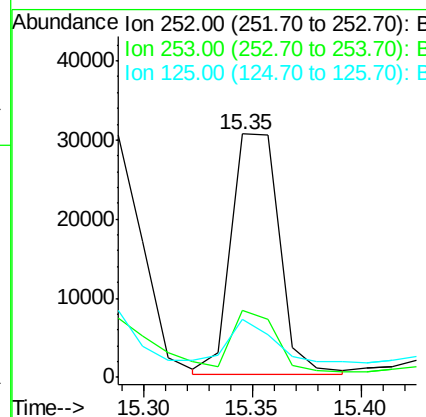
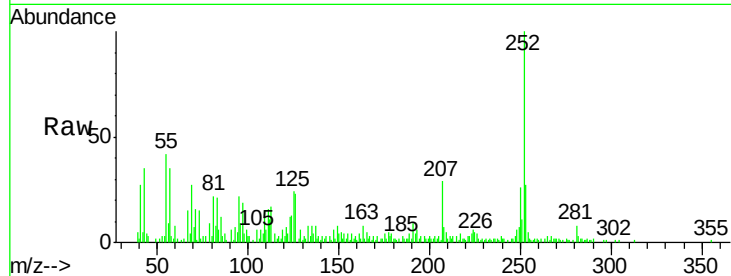




#89
Benzo(a)pyrene
Concen: 2.59 ng
RT: 15.35 min Scan# 1160
Delta R.T. -0.05 min
Lab File: BF093219.D
Acq: 27 Feb 2017 22:02

Instrument :
BNA_F
ClientSampleId :
CR-1

Tgt Ion: 252 Resp: 46347
Ion Ratio Lower Upper
252 100
253 27.4 18.2 27.2#
125 23.7 10.0 15.0#



#91
Benzo(g,h,i)perylene
Concen: 2.07 ng
RT: 17.23 min Scan# 1325
Delta R.T. -0.06 min
Lab File: BF093219.D
Acq: 27 Feb 2017 22:02

Tgt Ion: 276 Resp: 30224
Ion Ratio Lower Upper
276 100
277 25.1 19.2 28.8
138 33.2 16.0 24.0#

