

Data Path : Z:\HPCHEM1\BNA F\DATA\BF032717\
 Data File : BF093970.D
 Acq On : 28 Mar 2017 4:16
 Operator : SJ/MA
 Sample : I2413-01
 Misc :
 ALS Vial : 32 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TS-01

Quant Time: Mar 28 04:46:17 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF032217.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 27 16:10:49 2017
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.95	152	180757	20.00	ng	0.00
21) Naphthalene-d8	7.45	136	649772	20.00	ng	0.00
38) Acenaphthene-d10	9.59	164	328322	20.00	ng	-0.01
63) Phenanthrene-d10	11.41	188	550572	20.00	ng	-0.01
75) Chrysene-d12	14.66	240	361955	20.00	ng	-0.02
86) Perylene-d12	16.30	264	322280	20.00	ng	-0.01

System Monitoring Compounds						
5) 2-Fluorophenol	4.49	112	344526	32.19	ng	0.01
7) Phenol-d6	5.55	99	1268977	95.85	ng	0.00
23) Nitrobenzene-d5	6.60	82	691936	60.77	ng	0.00
41) 2,4,6-Tribromophenol	10.56	330	240124	92.55	ng	-0.02
44) 2-Fluorobiphenyl	8.77	172	1311452	60.93	ng	-0.01
78) Terphenyl-d14	13.39	244	897867	55.60	ng	-0.02

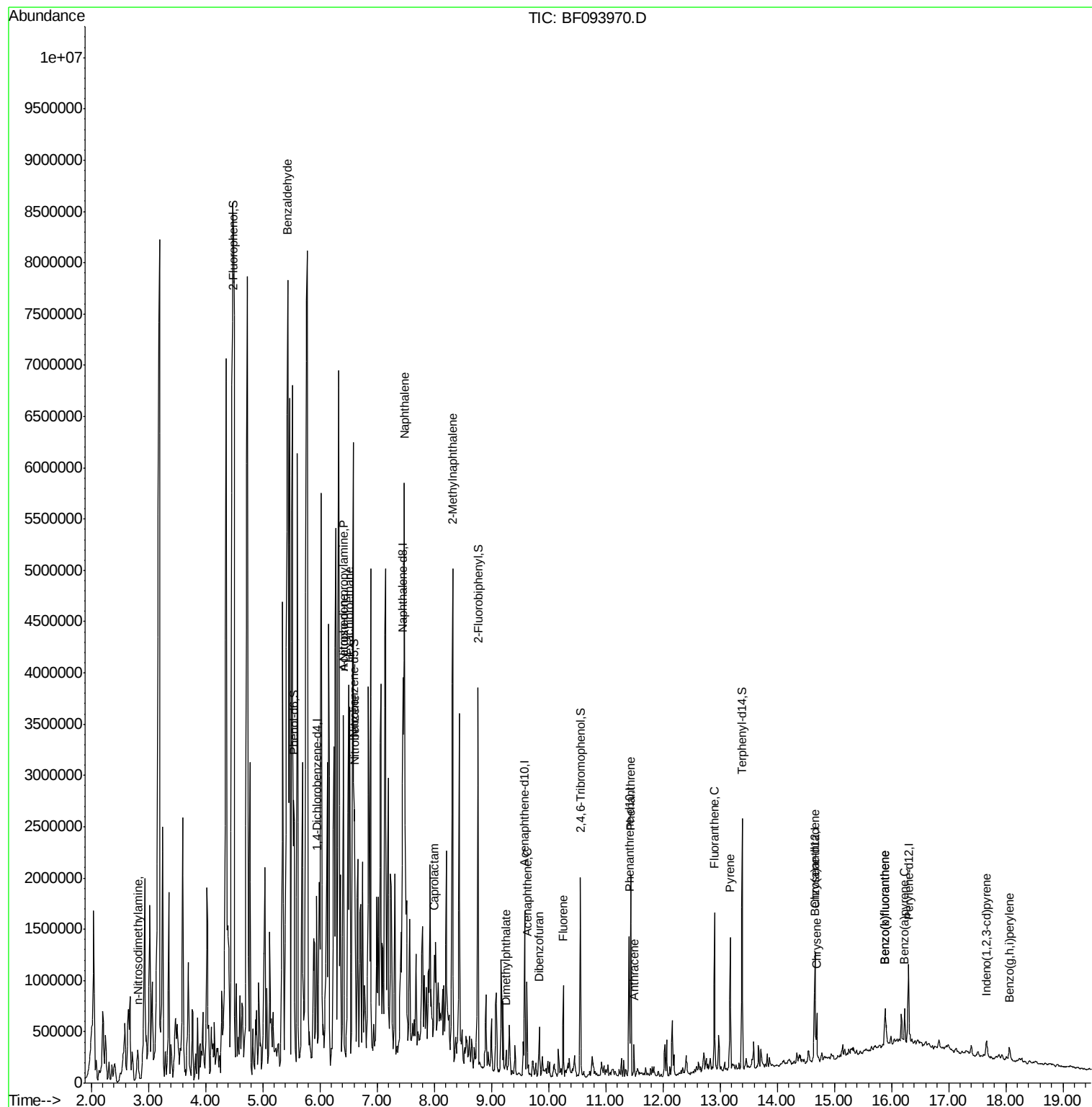
Target Compounds						Qvalue
4) n-Nitrosodimethylamine	2.82	42	21500	3.73	ng	# 1
9) Benzaldehyde	5.44	77	637728	71.34	ng	# 1
18) Hexachloroethane	6.52	117	121837	25.94	ng	# 1
19) n-Nitroso-di-n-propylamine	6.42	70	20701	2.43	ng	# 45
22) Acetophenone	6.41	105	1145995	79.13	ng	# 49
24) Nitrobenzene	6.62	77	48772	4.34	ng	# 7
31) Naphthalene	7.48	128	2622580	83.94	ng	98
35) Caprolactam	8.00	113	14898	5.41	ng	# 1
37) 2-Methylnaphthalene	8.32	142	1912926	91.85	ng	100
49) Dimethylphthalate	9.26	163	102398	4.39	ng	# 99
51) Acenaphthene	9.62	154	209806	10.44	ng	97
54) Dibenzofuran	9.83	168	173944	6.36	ng	98
57) Fluorene	10.26	166	235479	10.38	ng	98
70) Phenanthrene	11.44	178	794120	25.93	ng	98
71) Anthracene	11.50	178	123173	3.91	ng	97
74) Fluoranthene	12.90	202	653438	20.84	ng	98
77) Pyrene	13.18	202	572592	21.80	ng	99
80) Benzo(a)anthracene	14.65	228	164908	7.81	ng	98
82) Chrysene	14.69	228	193438	9.88	ng	97
85) Indeno(1,2,3-cd)pyrene	17.66	276	96267	5.67	ng	95
87) Benzo(b)fluoranthene	15.89	252	284603	14.41	ng	# 96
88) Benzo(k)fluoranthene	15.89	252	284603	14.72	ng	98
89) Benzo(a)pyrene	16.23	252	141616	7.78	ng	# 94
91) Benzo(g,h,i)perylene	18.07	276	95968	6.18	ng	96

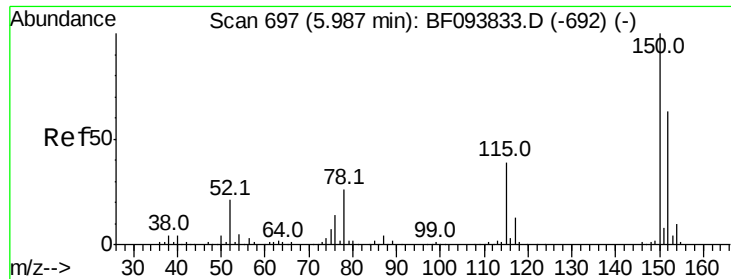
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 5.95 min Scan# 690

Delta R.T. -0.01 min

Lab File: BF093970.D

Acq: 28 Mar 2017 4:16

Instrument :

BNA_F

ClientSampled :

TS-01

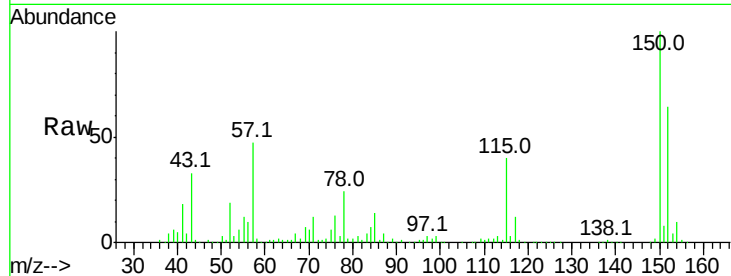
Tot Ion:152 Resp: 180757

Ion Ratio Lower Upper

152 100

150 156.0 126.2 189.2

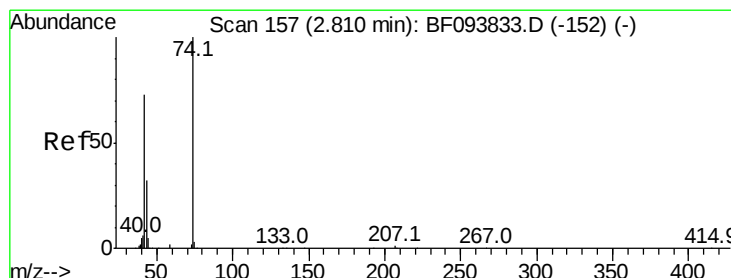
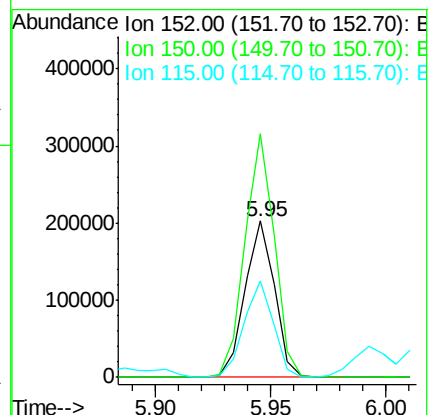
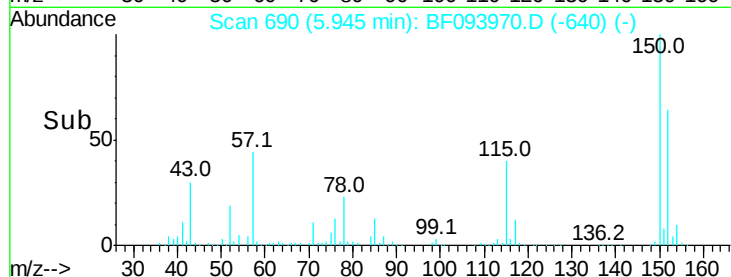
115 62.1 52.2 78.2



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



#4

n-Nitrosodimethylamine

Concen: 3.73 ng

RT: 2.82 min Scan# 158

Delta R.T. 0.04 min

Lab File: BF093970.D

Acq: 28 Mar 2017 4:16

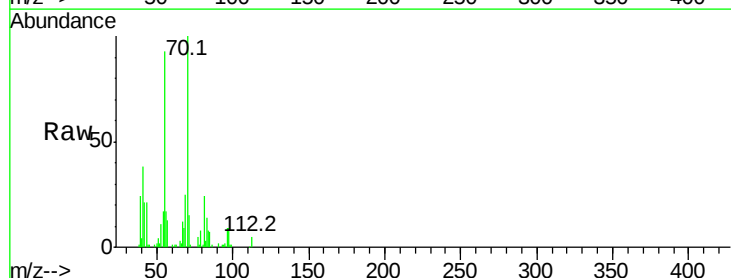
Tgt Ion: 42 Resp: 21500

Ion Ratio Lower Upper

42 100

74 0.0 103.9 155.9#

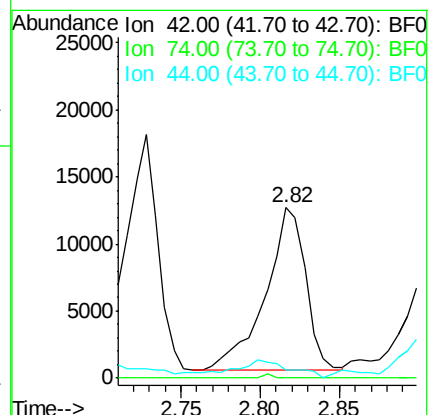
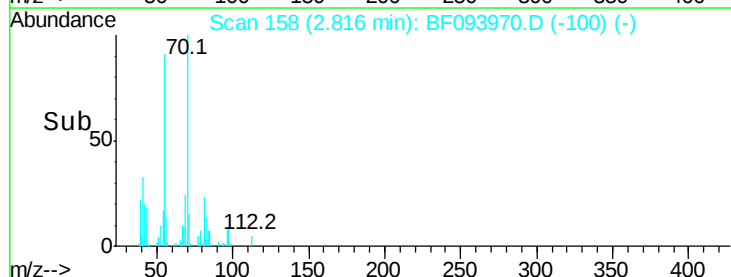
44 4.7 5.7 8.5#

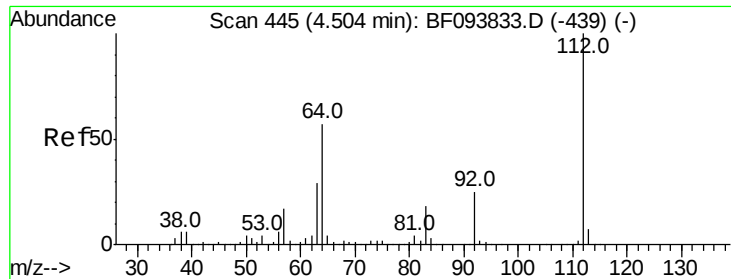


Abundance Ion 42.00 (41.70 to 42.70): BF0

Ion 74.00 (73.70 to 74.70): BF0

Ion 44.00 (43.70 to 44.70): BF0





#5

2-Fluorophenol

Concen: 32.19 ng

RT: 4.49 min Scan# 442

Delta R.T. 0.01 min

Lab File: BF093970.D

Acq: 28 Mar 2017 4:16

Instrument :

BNA_F

ClientSampleId :

TS-01

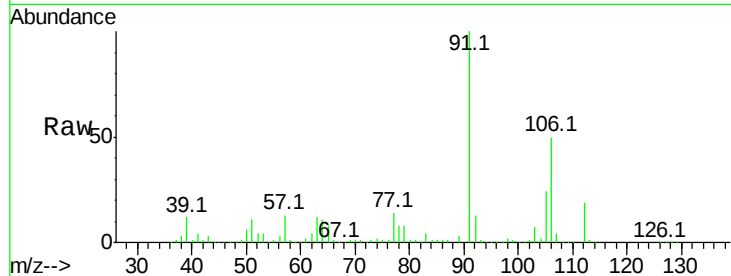
Tot Ion:112 Resp: 344526

Ion Ratio Lower Upper

112 100

64 59.6 46.0 69.0

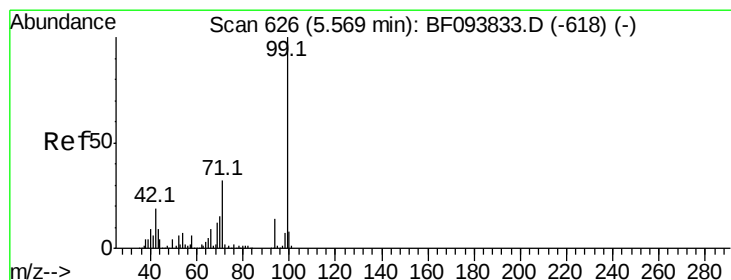
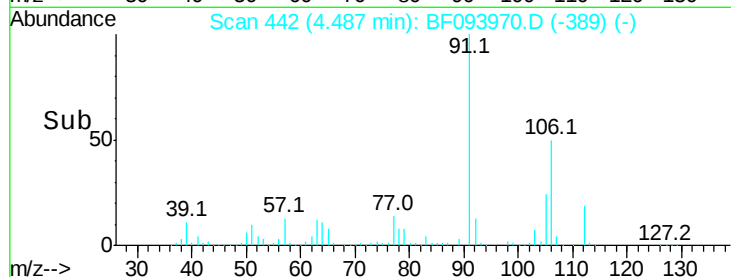
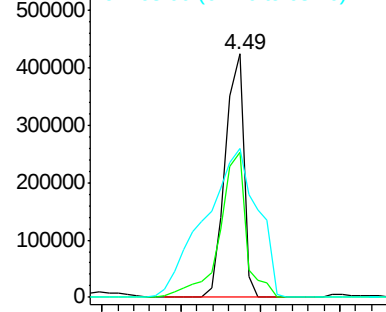
63 61.4 23.4 35.0#



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: 95.85 ng

RT: 5.55 min Scan# 622

Delta R.T. -0.01 min

Lab File: BF093970.D

Acq: 28 Mar 2017 4:16

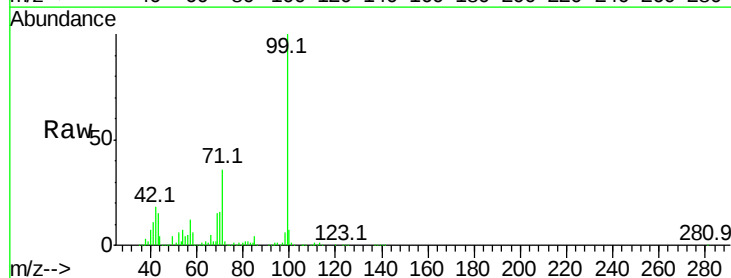
Tgt Ion: 99 Resp: 1268977

Ion Ratio Lower Upper

99 100

42 18.2 13.5 20.3

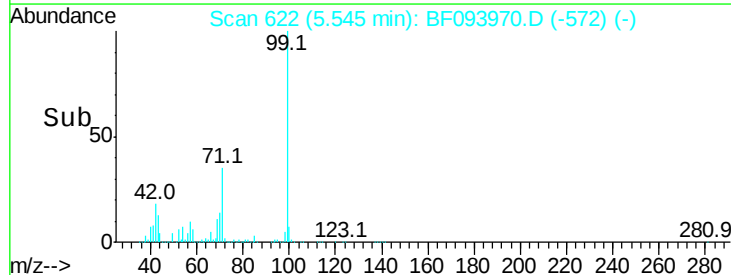
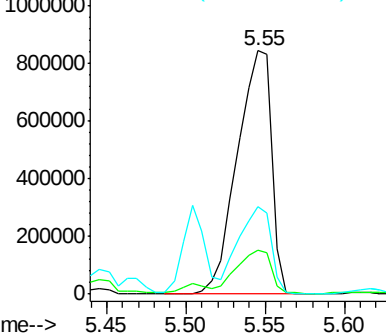
71 35.7 24.5 36.7

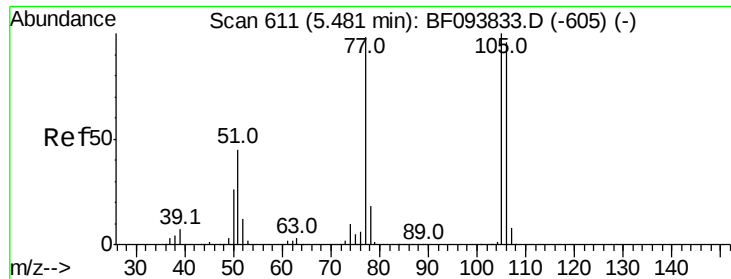


Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0





#9

Benzaldehyde

Concen: 71.34 ng

RT: 5.44 min Scan# 604

Delta R.T. -0.01 min

Lab File: BF093970.D

Acq: 28 Mar 2017 4:16

Instrument :

BNA_F

ClientSampleId :

TS-01

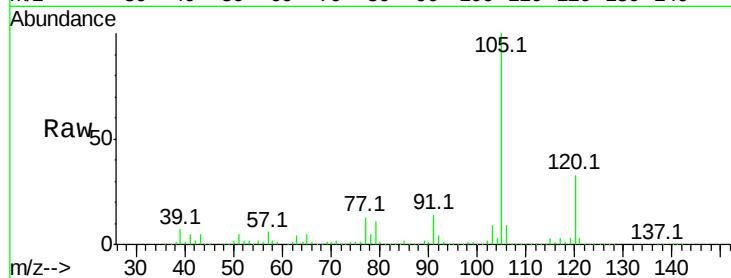
Tot Ion: 77 Resp: 637728

Ion Ratio Lower Upper

77 100

105 783.0 83.8 123.8#

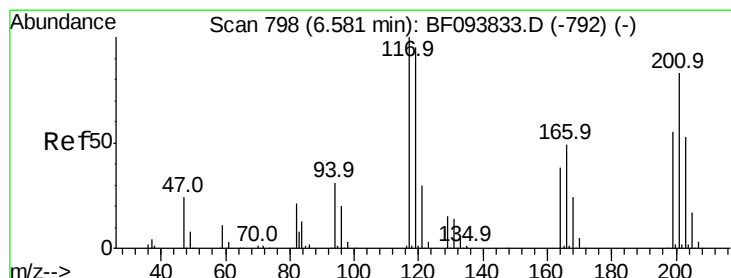
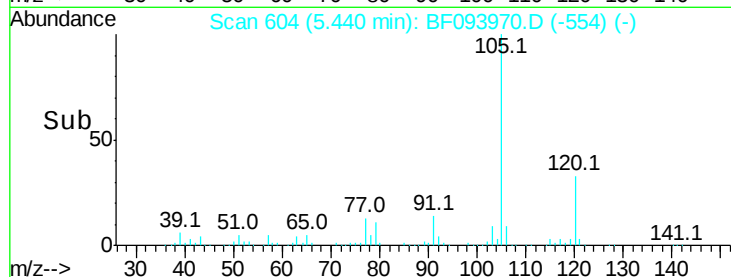
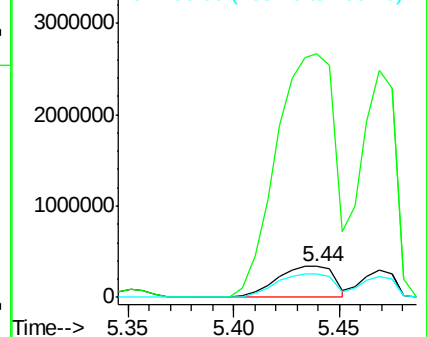
106 73.7 79.1 119.1#



Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 105.00 (104.70 to 105.70): E

Ion 106.00 (105.70 to 106.70): E



#18

Hexachloroethane

Concen: 25.94 ng

RT: 6.52 min Scan# 788

Delta R.T. -0.02 min

Lab File: BF093970.D

Acq: 28 Mar 2017 4:16

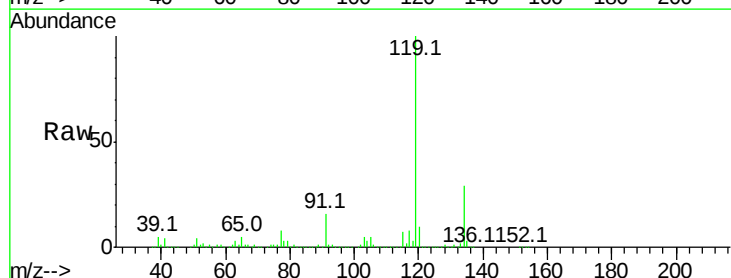
Tgt Ion: 117 Resp: 121837

Ion Ratio Lower Upper

117 100

119 1230.9 77.4 116.0#

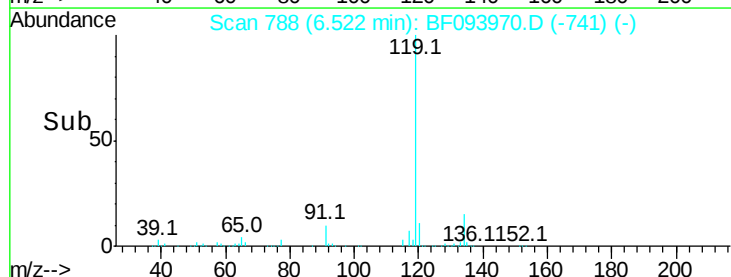
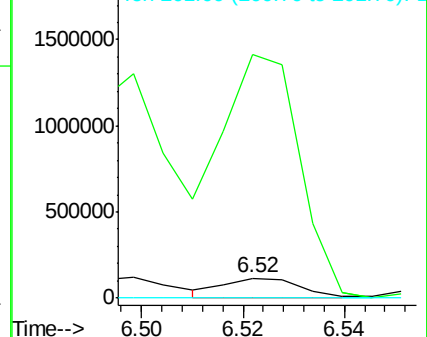
201 0.0 94.6 141.8#

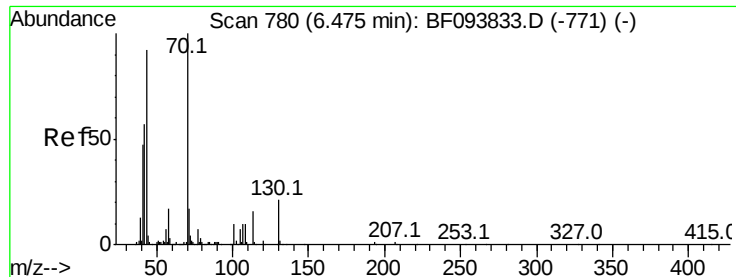


Abundance Ion 117.00 (116.70 to 117.70): E

Ion 119.00 (118.70 to 119.70): E

Ion 201.00 (200.70 to 201.70): E





#19

n-Nitroso-di-n-propylamine

Concen: 2.43 ng

RT: 6.42 min Scan# 770

Delta R.T. -0.02 min

Lab File: BF093970.D

Acq: 28 Mar 2017 4:16

Instrument :

BNA_F

ClientSampled :

TS-01

Tot Ion: 70 Resp: 20701

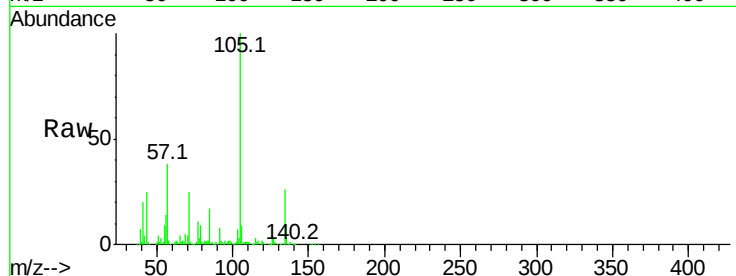
Ion Ratio Lower Upper

70 100

42 108.5 47.2 70.8#

101 5.5 7.2 10.8#

130 0.0 15.9 23.9#

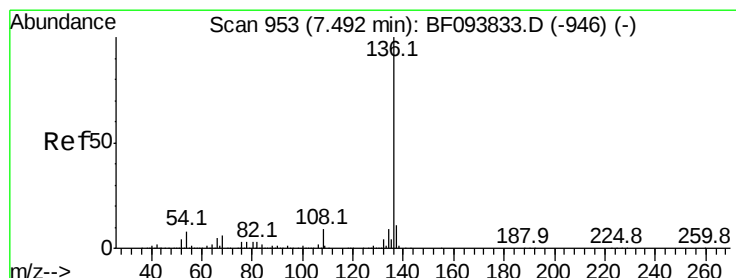
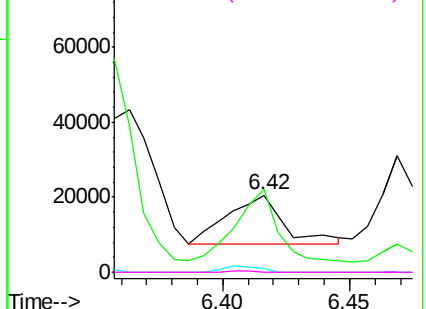
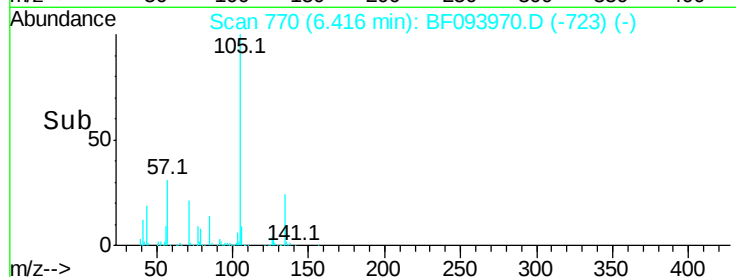


Abundance Ion 70.00 (69.70 to 70.70): BF0

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: 7.45 min Scan# 946

Delta R.T. -0.01 min

Lab File: BF093970.D

Acq: 28 Mar 2017 4:16

Tgt Ion: 136 Resp: 649772

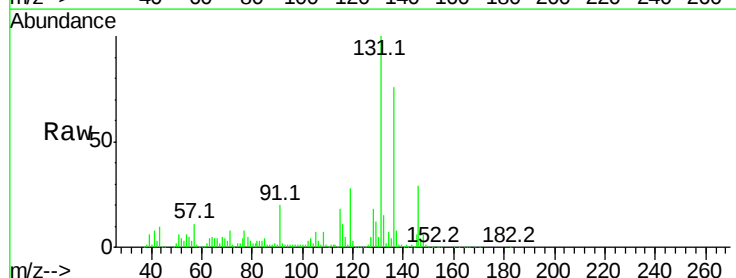
Ion Ratio Lower Upper

136 100

137 11.0 8.5 12.7

54 7.8 4.9 7.3#

68 6.2 4.1 6.1#

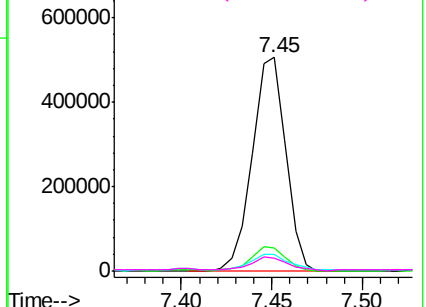
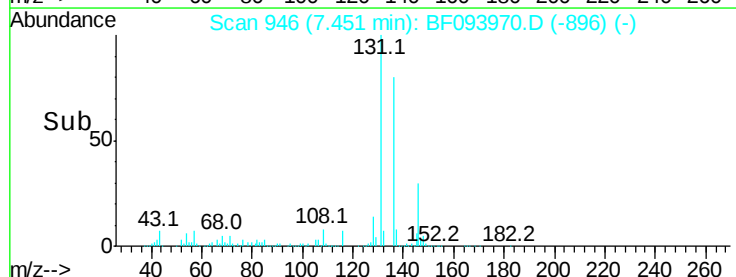


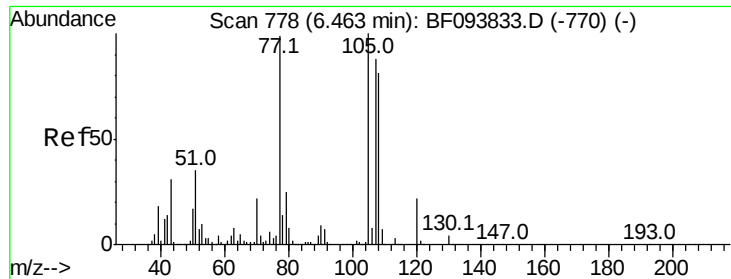
Abundance Ion 136.00 (135.70 to 136.70): BF0

Ion 137.00 (136.70 to 137.70): BF0

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0





#22

Acetophenone

Concen: 79.13 ng

RT: 6.41 min Scan# 769

Delta R.T. -0.02 min

Lab File: BF093970.D

Acq: 28 Mar 2017 4:16

Instrument :

BNA_F

ClientSampleId :

TS-01

Tot Ion:105 Resp: 1145995

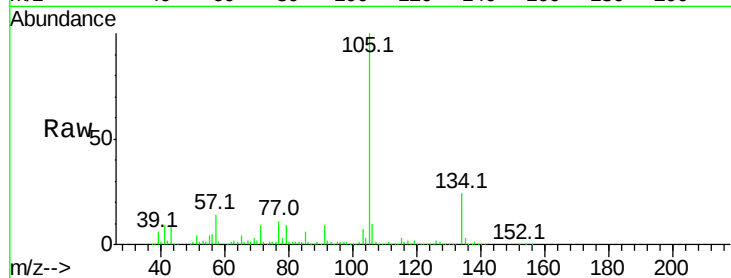
Ion Ratio Lower Upper

105 100

71 8.8 2.8 4.2#

51 3.7 30.7 46.1#

120 0.4 17.4 26.0#

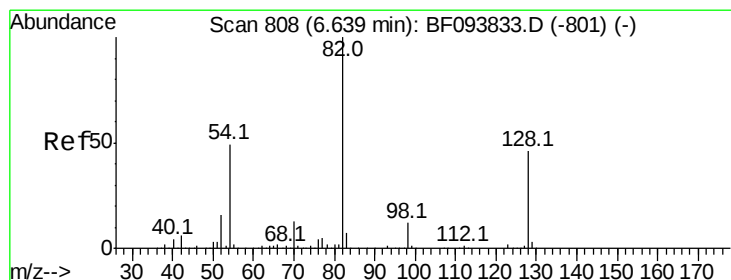
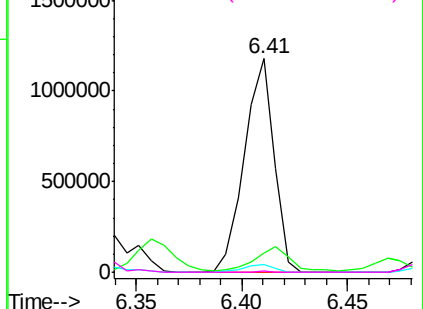
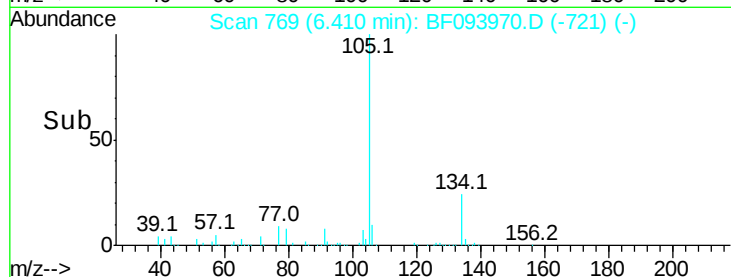


Abundance Ion 105.00 (104.70 to 105.70): E

Ion 71.00 (70.70 to 71.70): BF0

Ion 51.00 (50.70 to 51.70): BF0

Ion 120.00 (119.70 to 120.70): E



#23

Nitrobenzene-d5

Concen: 60.77 ng

RT: 6.60 min Scan# 801

Delta R.T. -0.01 min

Lab File: BF093970.D

Acq: 28 Mar 2017 4:16

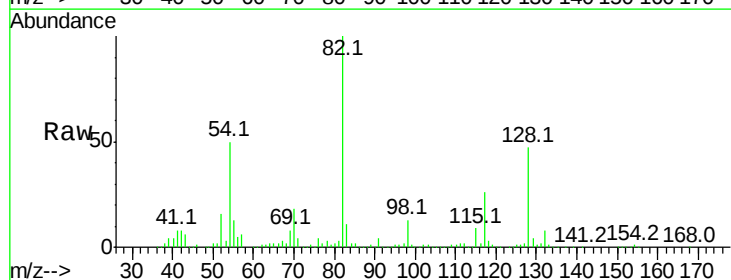
Tgt Ion: 82 Resp: 691936

Ion Ratio Lower Upper

82 100

128 46.8 34.0 51.0

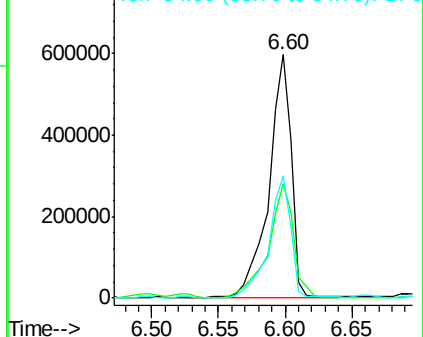
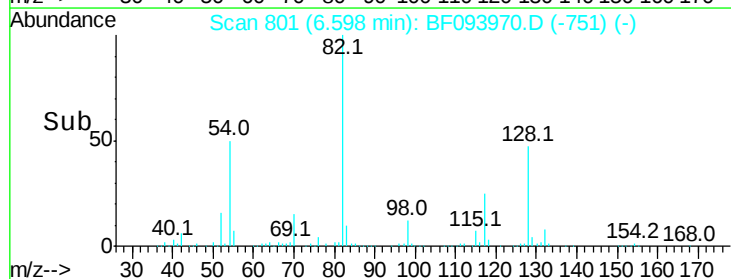
54 50.0 42.2 63.2

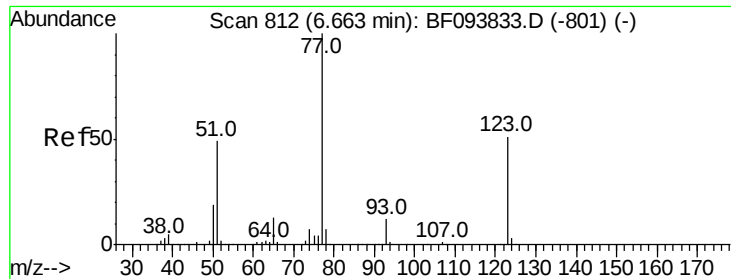


Abundance Ion 82.00 (81.70 to 82.70): BF0

Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0

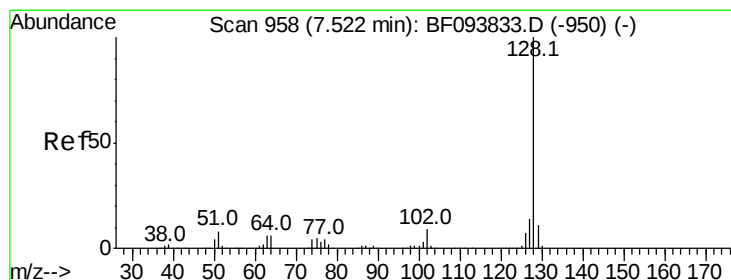
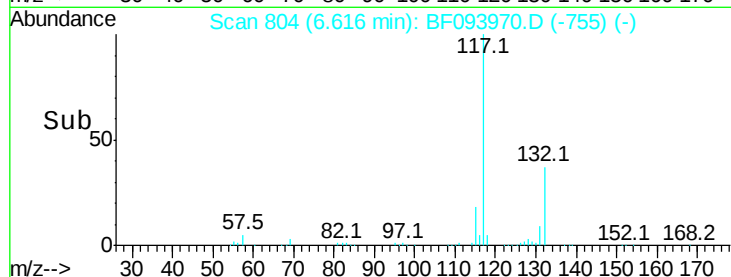
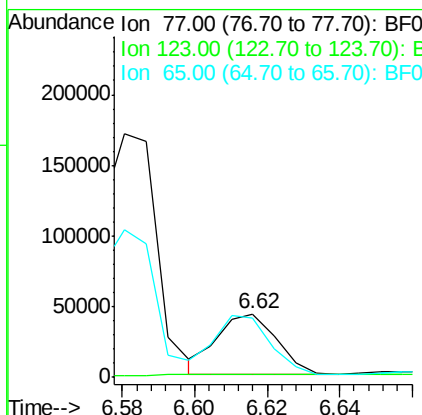
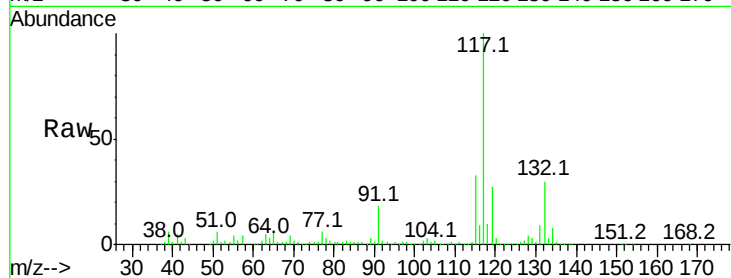




#24
 Nitrobenzene
 Concen: 4.34 ng
 RT: 6.62 min Scan# 804
 Delta R.T. -0.01 min
 Lab File: BF093970.D
 Acq: 28 Mar 2017 4:16

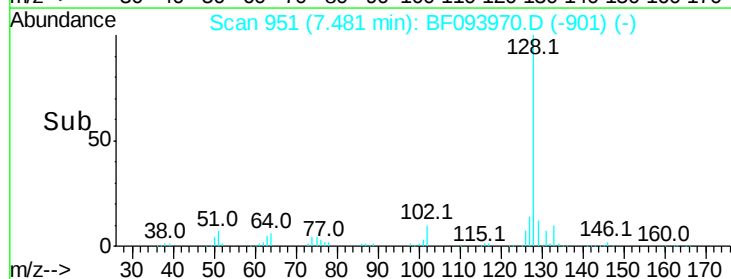
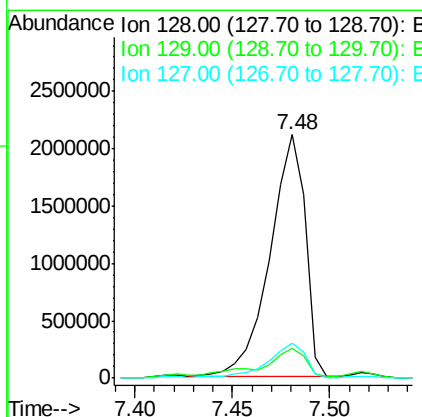
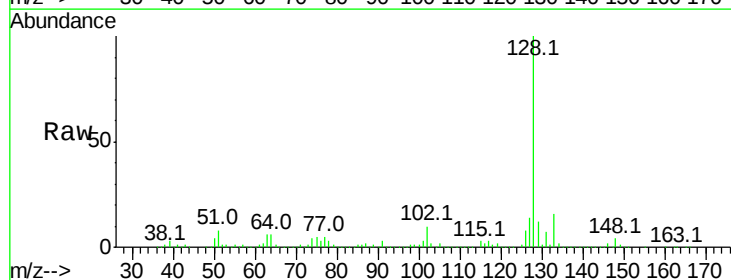
Instrument :
 BNA_F
 ClientSampleId :
 TS-01

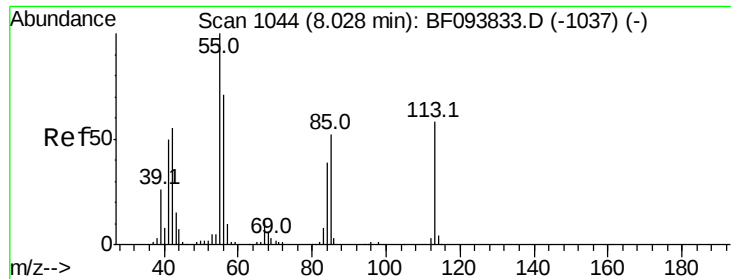
Tot Ion: 77 Resp: 48772
 Ion Ratio Lower Upper
 77 100
 123 4.8 35.8 53.8#
 65 92.9 10.6 15.8#



#31
 Naphthalene
 Concen: 83.94 ng
 RT: 7.48 min Scan# 951
 Delta R.T. -0.01 min
 Lab File: BF093970.D
 Acq: 28 Mar 2017 4:16

Tgt Ion: 128 Resp: 2622580
 Ion Ratio Lower Upper
 128 100
 129 12.4 9.0 13.6
 127 14.3 10.8 16.2





#35

Caprolactam

Concen: 5.41 ng

RT: 8.00 min Scan# 1040

Delta R.T. 0.00 min

Lab File: BF093970.D

Acq: 28 Mar 2017 4:16

Instrument :

BNA_F

ClientSampled :

TS-01

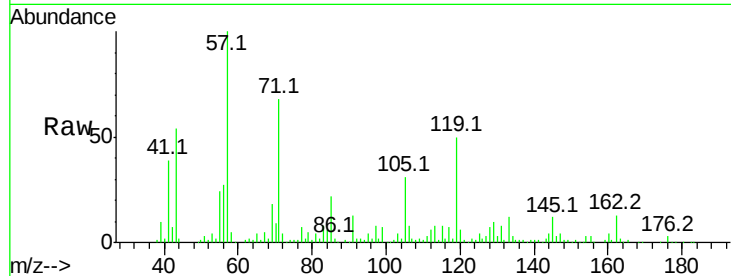
Tot Ion:113 Resp: 14898

Ion Ratio Lower Upper

113 100

55 289.8 150.2 190.2#

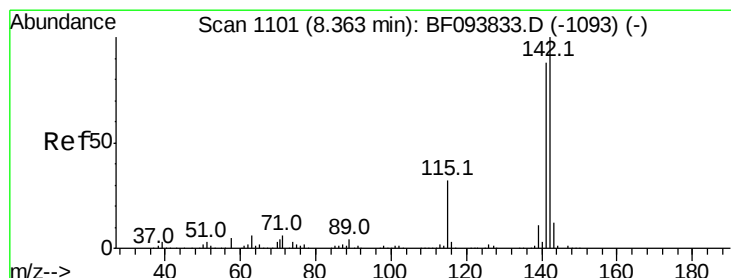
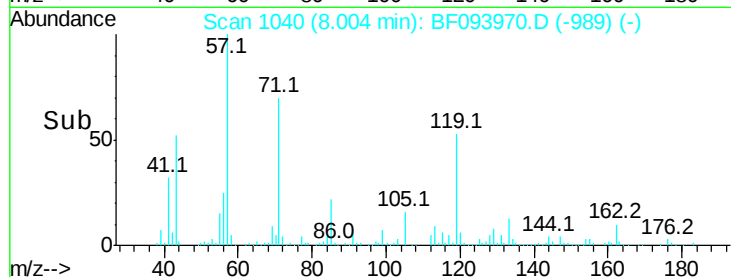
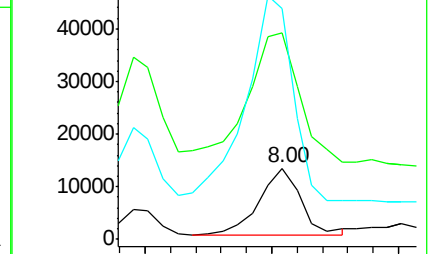
56 323.9 107.8 147.8#



Abundance Ion 113.00 (112.70 to 113.70): E

Ion 55.00 (54.70 to 55.70): BF0

Ion 56.00 (55.70 to 56.70): BF0



#37

2-Methylnaphthalene

Concen: 91.85 ng

RT: 8.32 min Scan# 1094

Delta R.T. -0.01 min

Lab File: BF093970.D

Acq: 28 Mar 2017 4:16

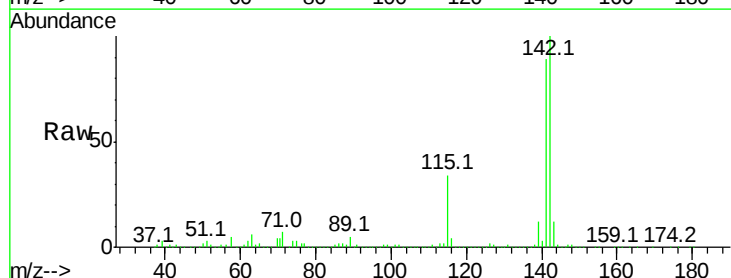
Tgt Ion:142 Resp: 1912926

Ion Ratio Lower Upper

142 100

141 88.7 71.3 106.9

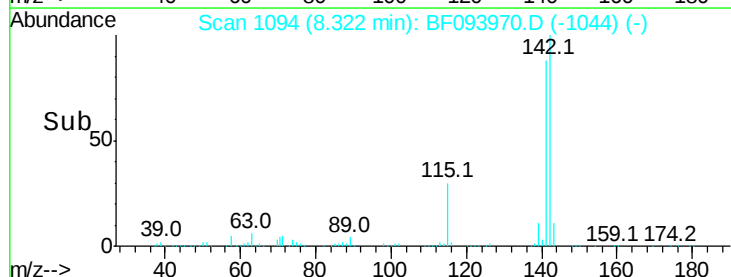
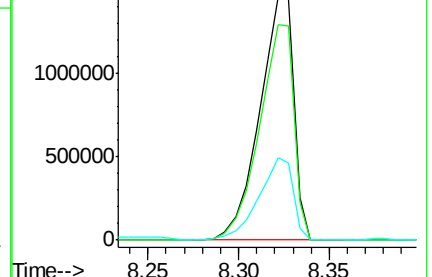
115 33.9 27.1 40.7

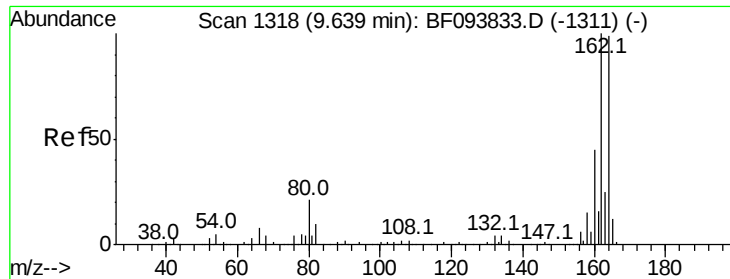


Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E

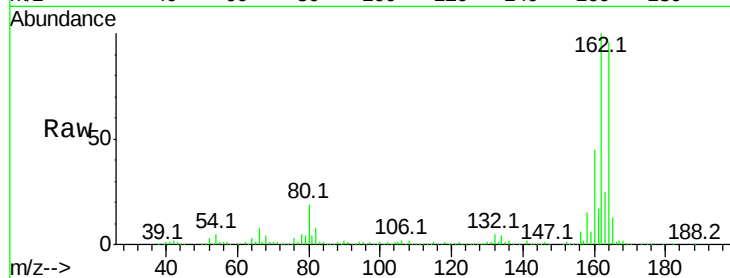




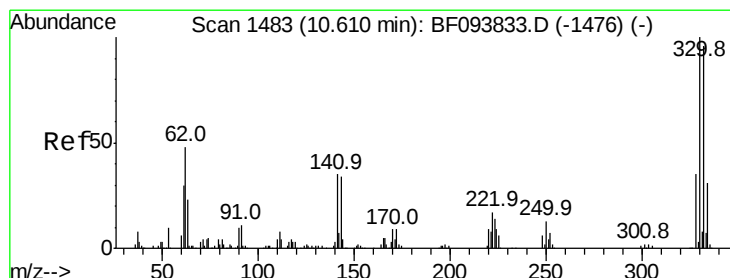
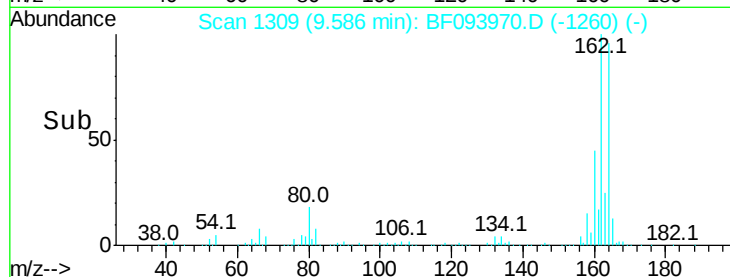
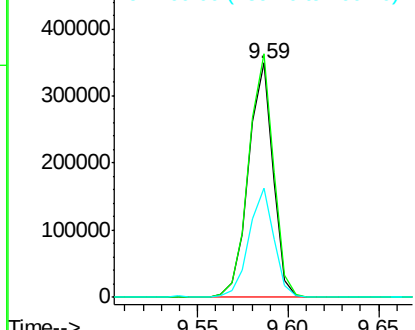
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 9.59 min Scan# 1309
 Delta R.T. -0.01 min
 Lab File: BF093970.D
 Acq: 28 Mar 2017 4:16

Instrument :
 BNA_F
 ClientSampleId :
 TS-01

Tot Ion:164 Resp: 328322
 Ion Ratio Lower Upper
 164 100
 162 103.9 82.6 123.8
 160 46.4 36.2 54.2

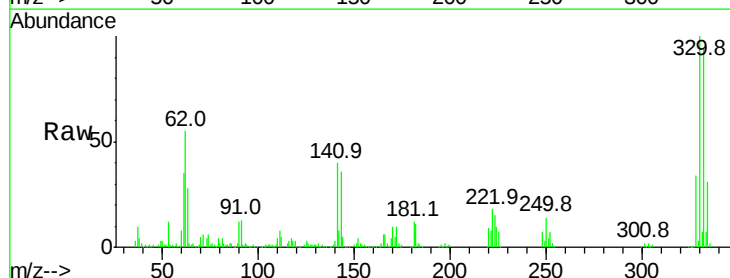


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

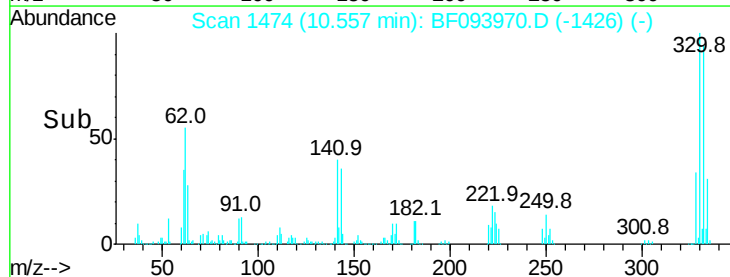
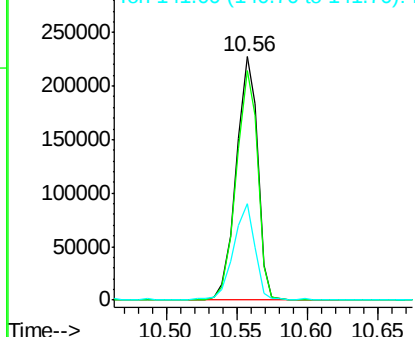


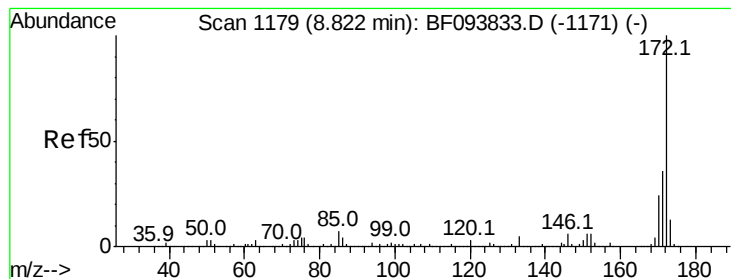
#41
 2,4,6-Tribromophenol
 Concen: 92.55 ng
 RT: 10.56 min Scan# 1474
 Delta R.T. -0.02 min
 Lab File: BF093970.D
 Acq: 28 Mar 2017 4:16

Tgt Ion:330 Resp: 240124
 Ion Ratio Lower Upper
 330 100
 332 94.1 76.6 115.0
 141 39.0 31.4 47.2



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: 60.93 ng

RT: 8.77 min Scan# 1170

Delta R.T. -0.01 min

Lab File: BF093970.D

Acq: 28 Mar 2017 4:16

Instrument :

BNA_F

ClientSampleId :

TS-01

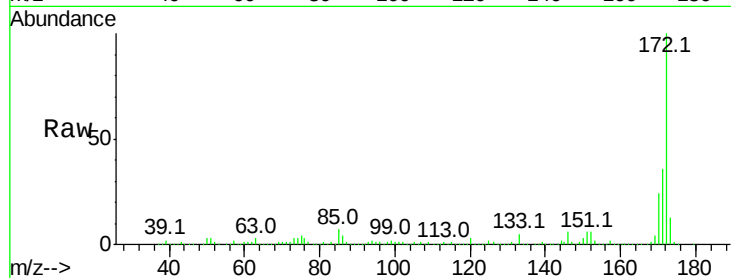
Tot Ion:172 Resp: 1311452

Ion Ratio Lower Upper

172 100

171 36.2 29.6 44.4

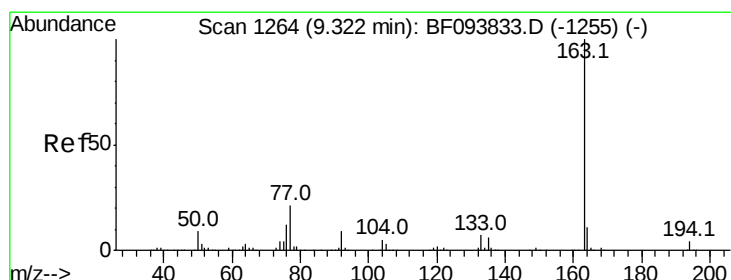
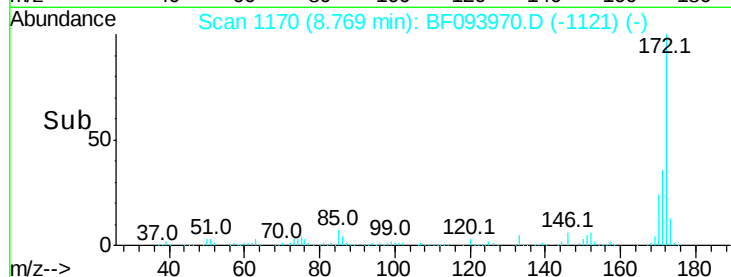
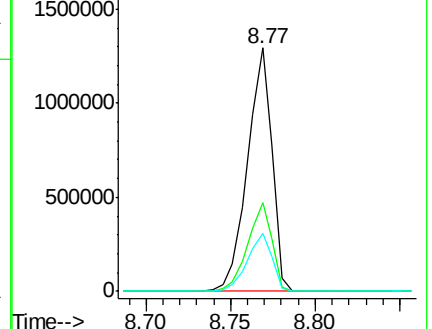
170 23.6 19.8 29.8



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: 4.39 ng

RT: 9.26 min Scan# 1254

Delta R.T. -0.02 min

Lab File: BF093970.D

Acq: 28 Mar 2017 4:16

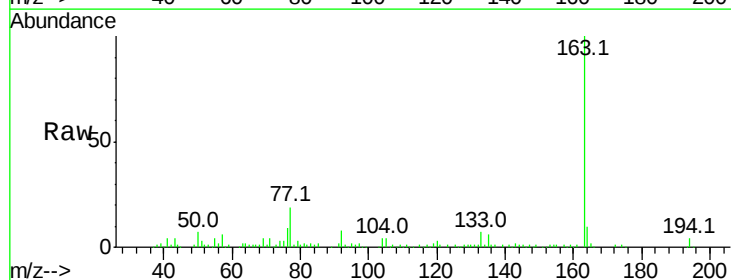
Tgt Ion:163 Resp: 102398

Ion Ratio Lower Upper

163 100

194 4.0 2.6 4.0#

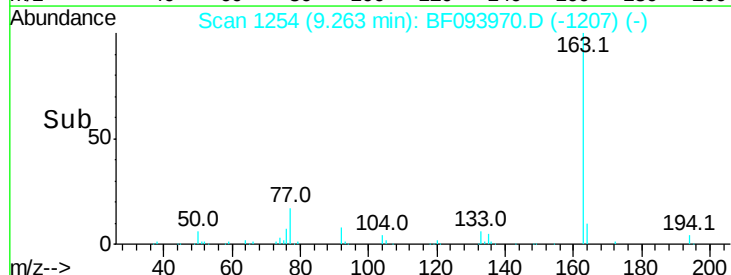
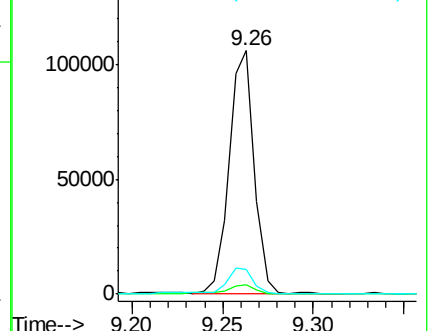
164 10.4 8.4 12.6

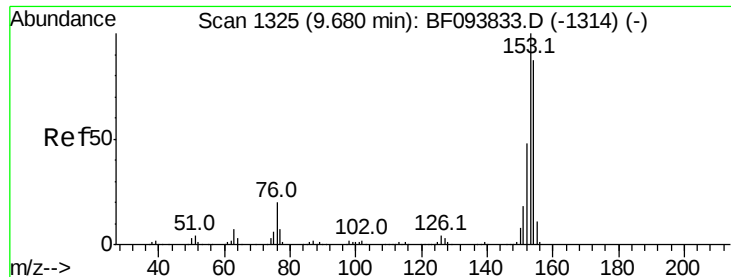


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#51

Acenaphthene

Concen: 10.44 ng

RT: 9.62 min Scan# 1315

Delta R.T. -0.02 min

Lab File: BF093970.D

Acq: 28 Mar 2017 4:16

Instrument :

BNA_F

ClientSampleId :

TS-01

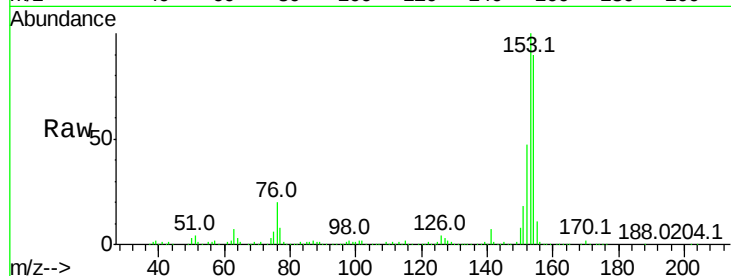
Tot Ion:154 Resp: 209806

Ion Ratio Lower Upper

154 100

153 110.9 90.5 135.7

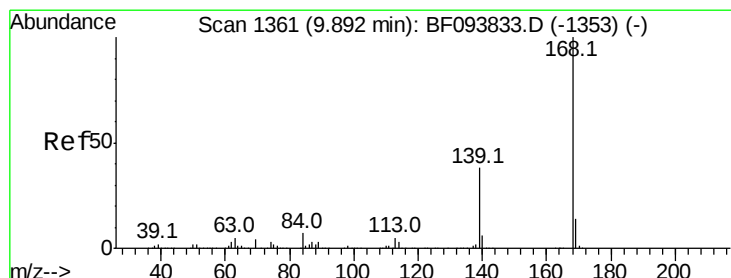
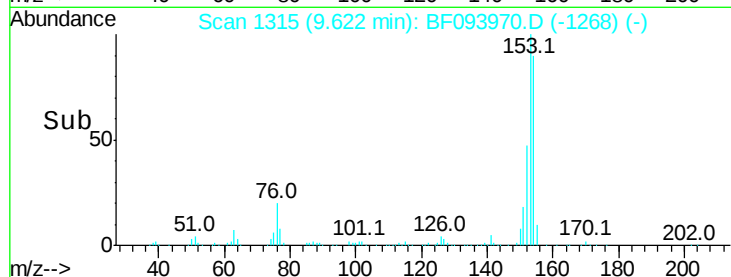
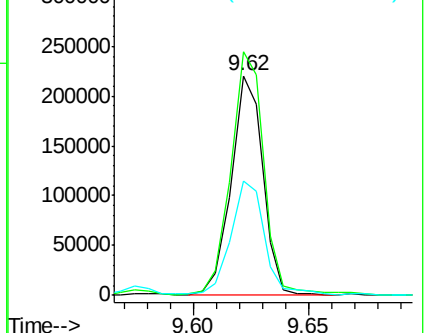
152 52.1 43.6 65.4



Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E



#54

Dibenzofuran

Concen: 6.36 ng

RT: 9.83 min Scan# 1351

Delta R.T. -0.02 min

Lab File: BF093970.D

Acq: 28 Mar 2017 4:16

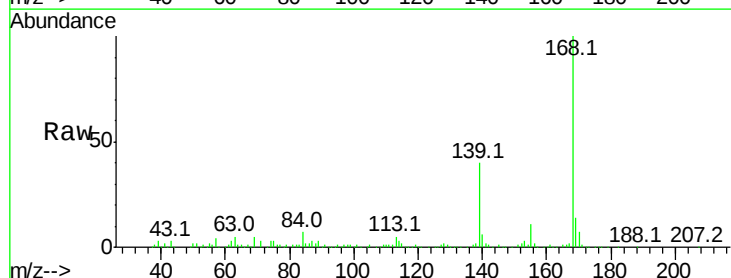
Tgt Ion:168 Resp: 173944

Ion Ratio Lower Upper

168 100

139 39.7 30.6 45.8

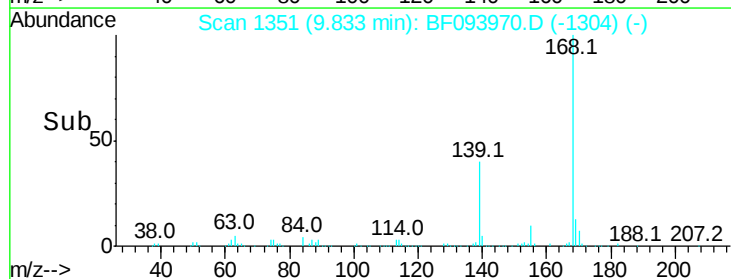
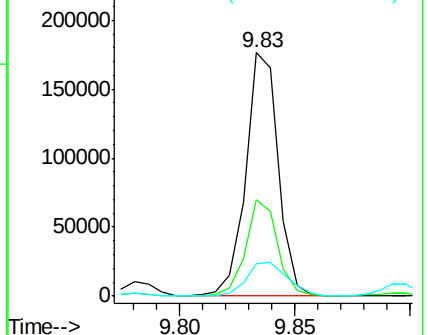
169 13.6 10.8 16.2

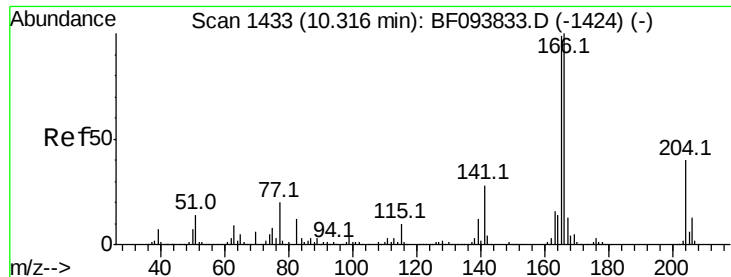


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E

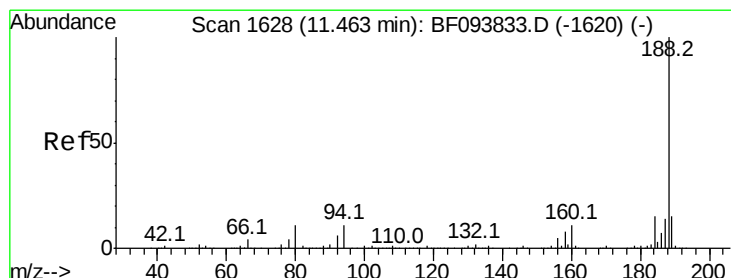
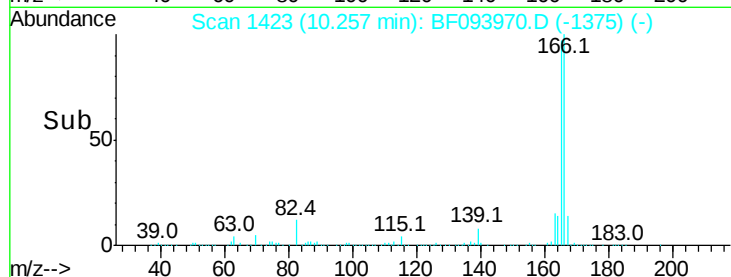
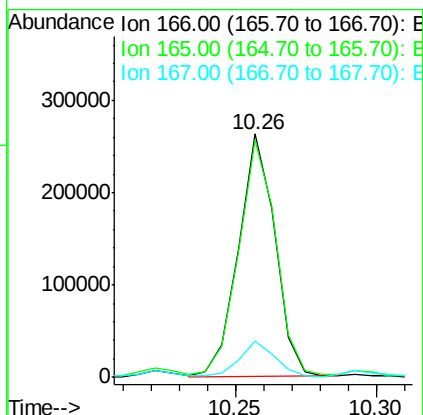
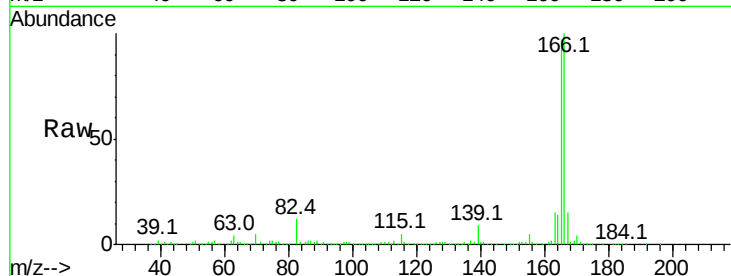




#57
Fluorene
 Concen: 10.38 ng
 RT: 10.26 min Scan# 1423
 Delta R.T. -0.02 min
 Lab File: BF093970.D
 Acq: 28 Mar 2017 4:16

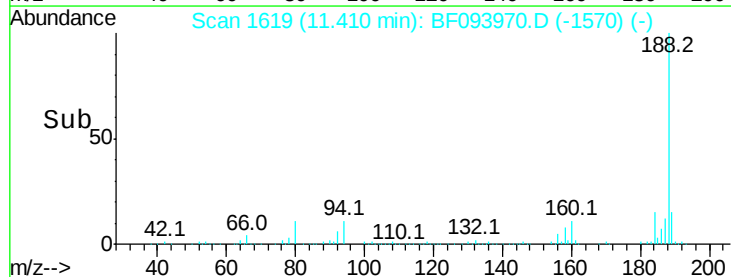
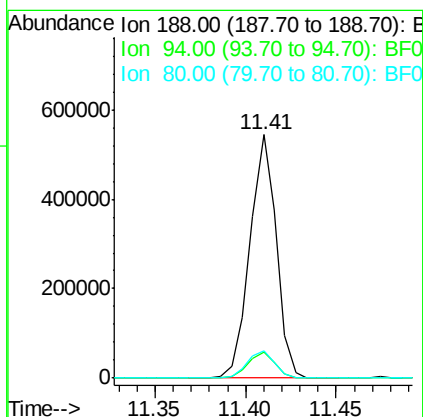
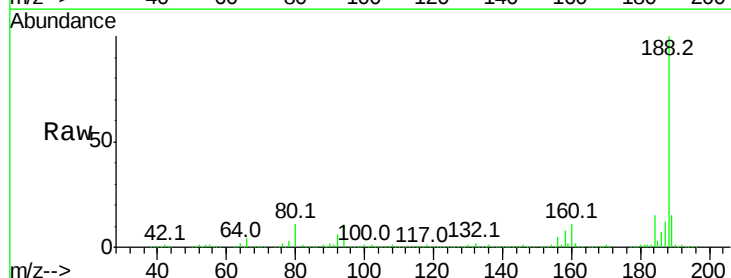
Instrument :
 BNA_F
 ClientSampleId :
 TS-01

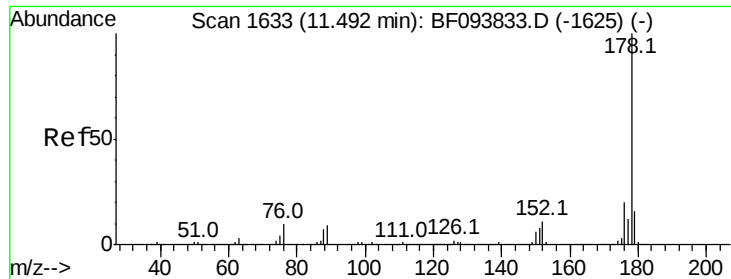
Tot Ion:166 Resp: 235479
 Ion Ratio Lower Upper
 166 100
 165 97.2 78.8 118.2
 167 14.7 10.6 16.0



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.41 min Scan# 1619
 Delta R.T. -0.01 min
 Lab File: BF093970.D
 Acq: 28 Mar 2017 4:16

Tgt Ion:188 Resp: 550572
 Ion Ratio Lower Upper
 188 100
 94 10.8 9.4 14.2
 80 11.2 10.2 15.2

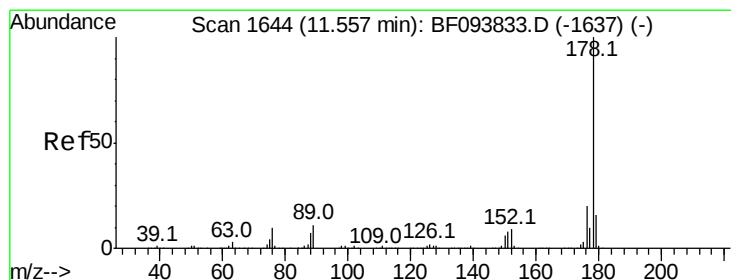
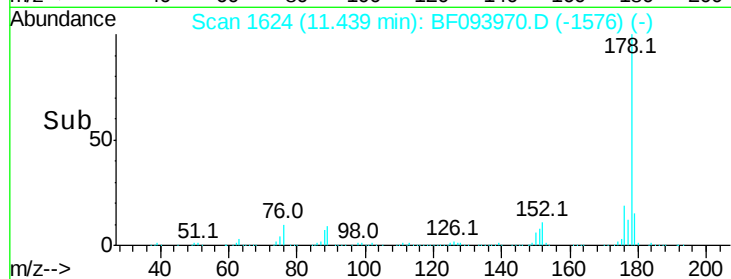
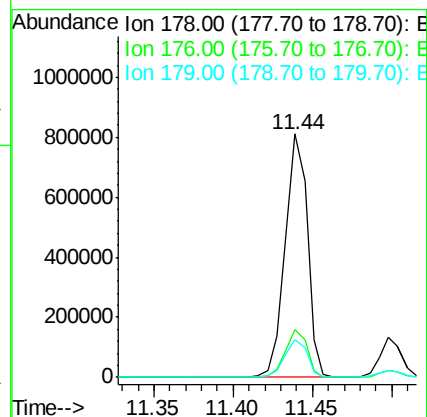
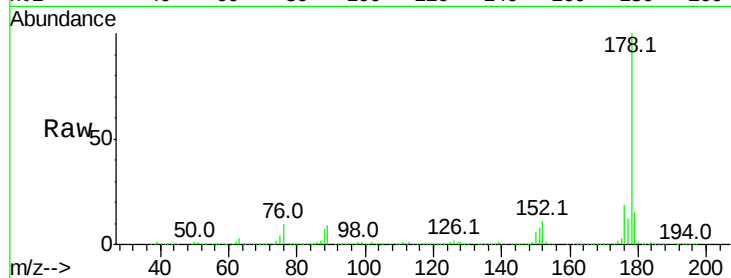




#70
Phenanthrene
Concen: 25.93 ng
RT: 11.44 min Scan# 1624
Delta R.T. -0.02 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

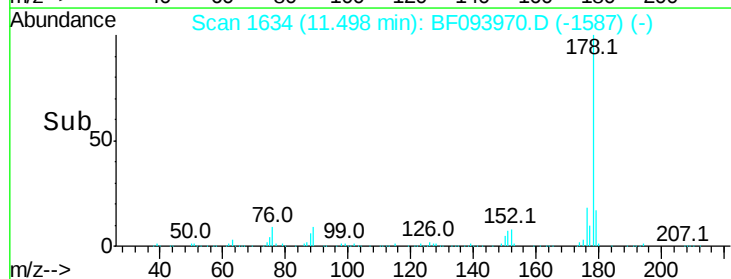
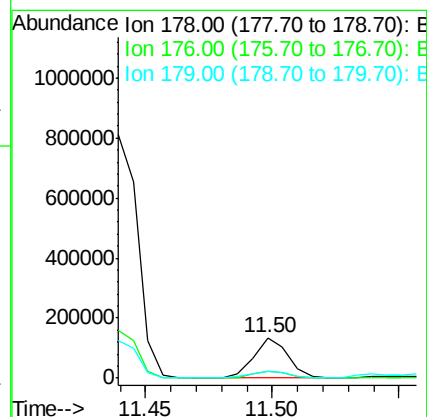
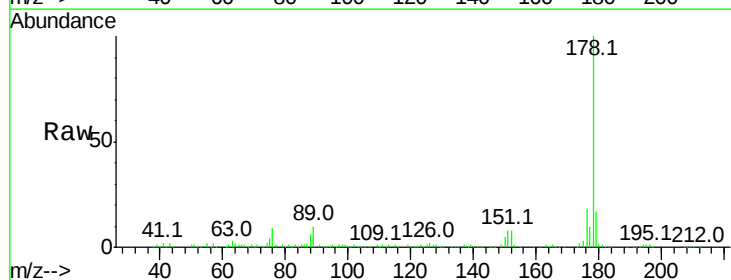
Instrument :
BNA_F
ClientSampled :
TS-01

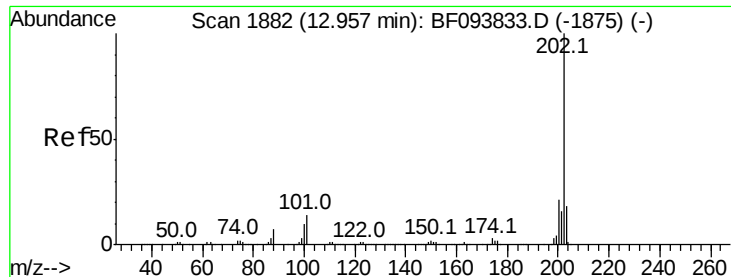
Tot Ion:178 Resp: 794120
Ion Ratio Lower Upper
178 100
176 19.5 16.2 24.4
179 15.3 12.6 19.0



#71
Anthracene
Concen: 3.91 ng
RT: 11.50 min Scan# 1634
Delta R.T. -0.02 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Tgt Ion:178 Resp: 123173
Ion Ratio Lower Upper
178 100
176 17.8 15.8 23.8
179 16.8 12.7 19.1





#74

Fluoranthene

Concen: 20.84 ng

RT: 12.90 min Scan# 1873

Delta R.T. -0.02 min

Lab File: BF093970.D

Acq: 28 Mar 2017 4:16

Instrument :

BNA_F

ClientSampleId :

TS-01

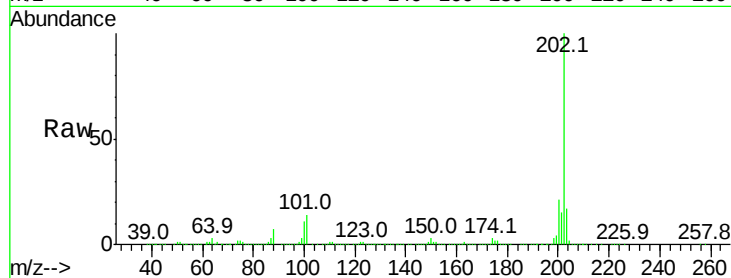
Tot Ion:202 Resp: 653438

Ion Ratio Lower Upper

202 100

101 14.4 0.0 33.2

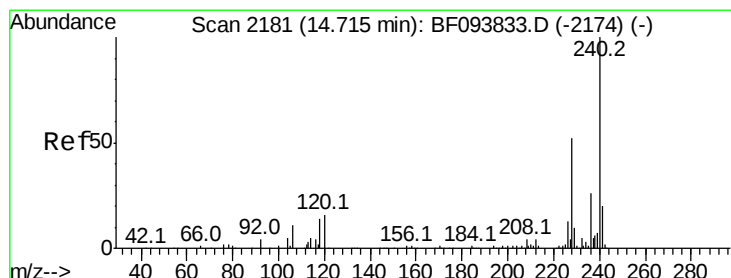
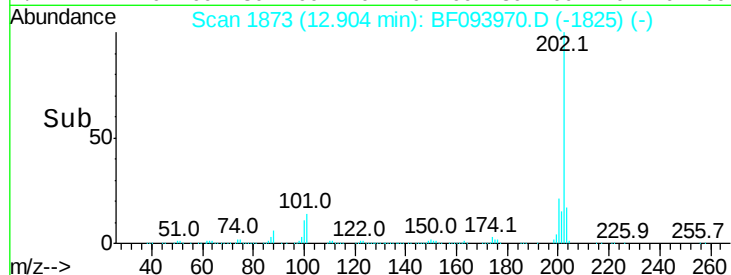
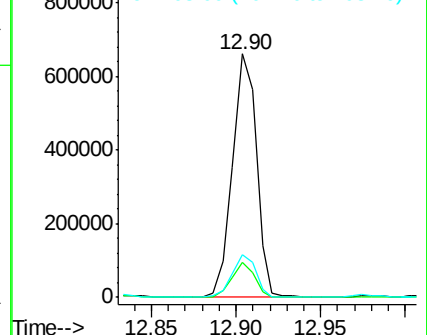
203 17.4 0.0 38.1



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: 14.66 min Scan# 2172

Delta R.T. -0.02 min

Lab File: BF093970.D

Acq: 28 Mar 2017 4:16

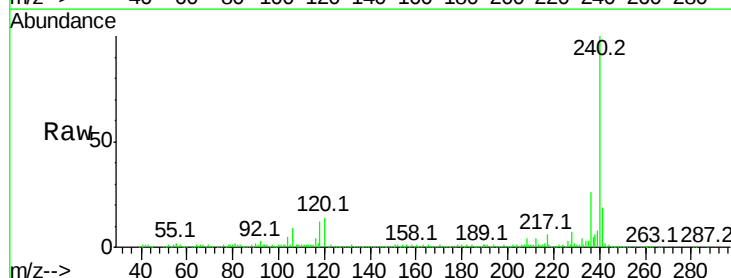
Tgt Ion:240 Resp: 361955

Ion Ratio Lower Upper

240 100

120 13.8 5.8 8.8#

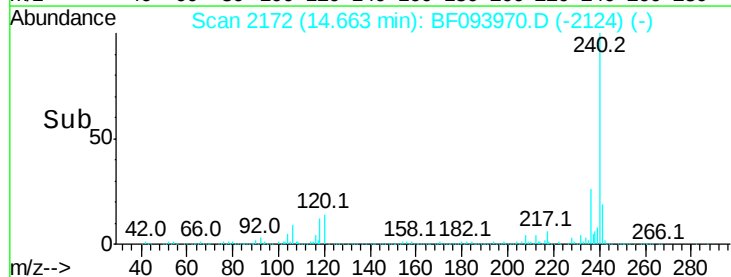
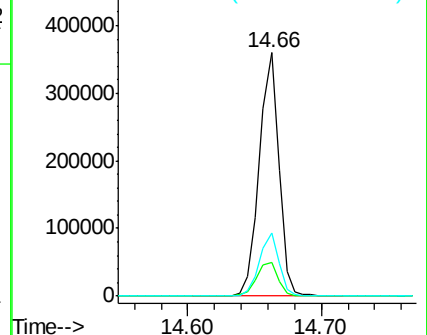
236 25.8 20.5 30.7

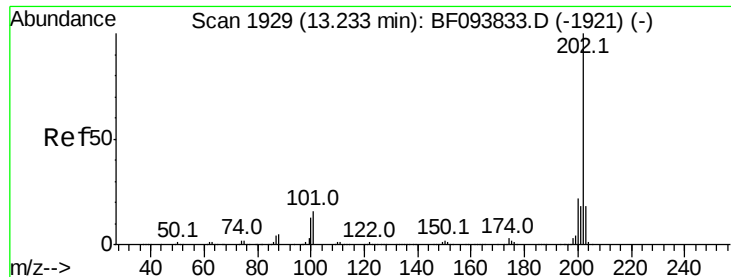


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pvrene

Concen: 21.80 ng

RT: 13.18 min Scan# 1920

Delta R.T. -0.02 min

Lab File: BF093970.D

Acq: 28 Mar 2017 4:16

Instrument :

BNA_F

ClientSampleId :

TS-01

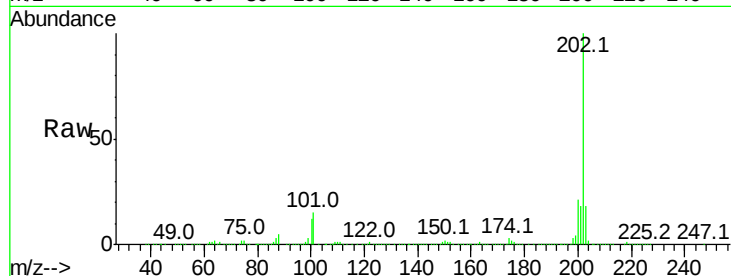
Tot Ion:202 Resp: 572592

Ion Ratio Lower Upper

202 100

200 21.3 17.6 26.4

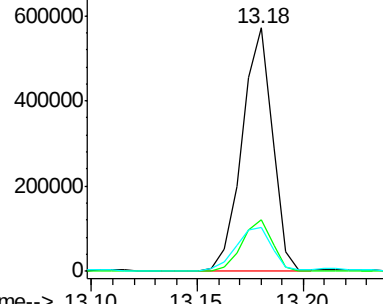
203 17.8 14.4 21.6



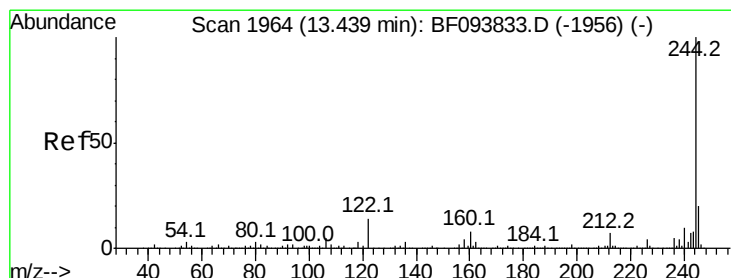
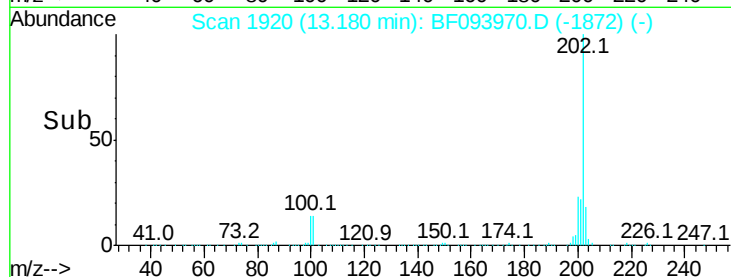
Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E



Time--> 13.10 13.15 13.20



#78

Terphenyl-d14

Concen: 55.60 ng

RT: 13.39 min Scan# 1955

Delta R.T. -0.02 min

Lab File: BF093970.D

Acq: 28 Mar 2017 4:16

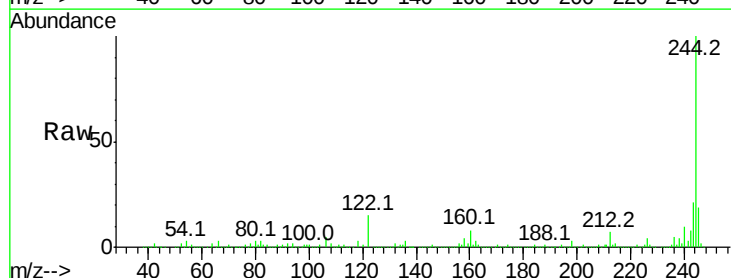
Tgt Ion:244 Resp: 897867

Ion Ratio Lower Upper

244 100

212 7.4 6.0 9.0

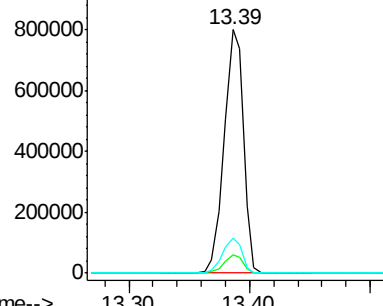
122 14.5 10.3 15.5



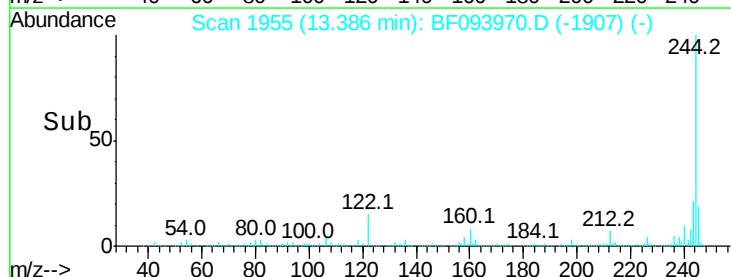
Abundance Ion 244.00 (243.70 to 244.70): E

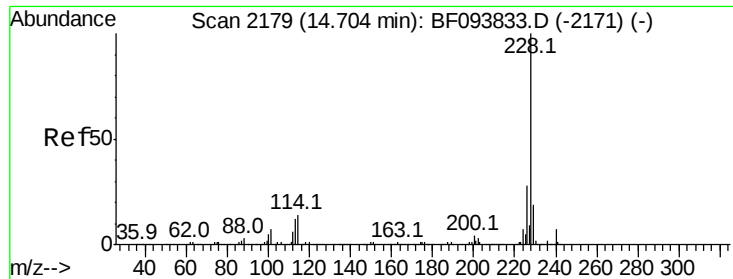
Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



Time--> 13.30 13.40

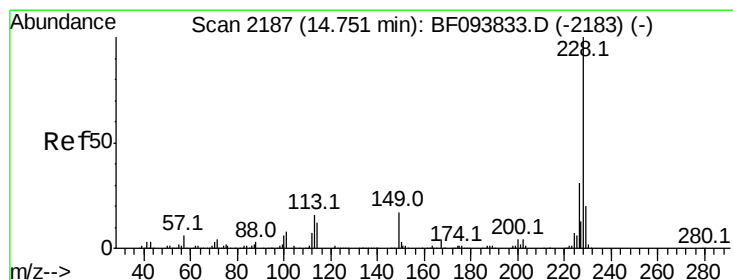
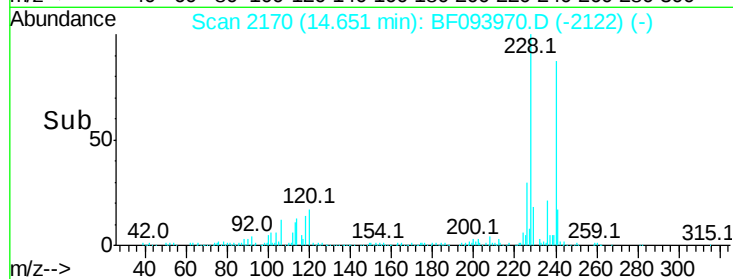
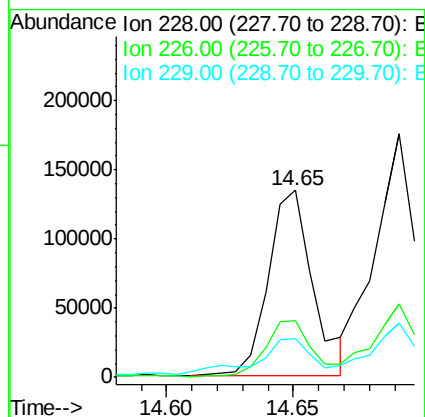
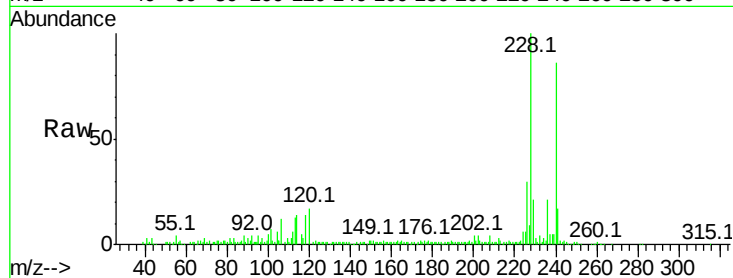




#80
Benzo(a)anthracene
Concen: 7.81 ng
RT: 14.65 min Scan# 2170
Delta R.T. -0.02 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

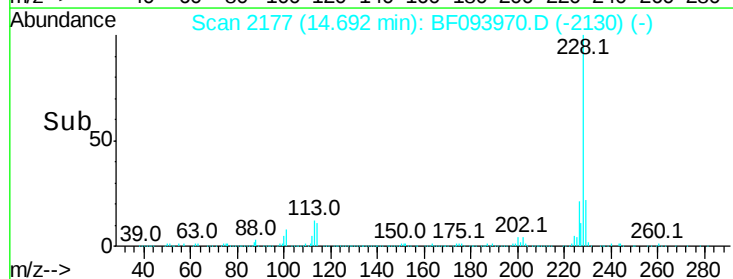
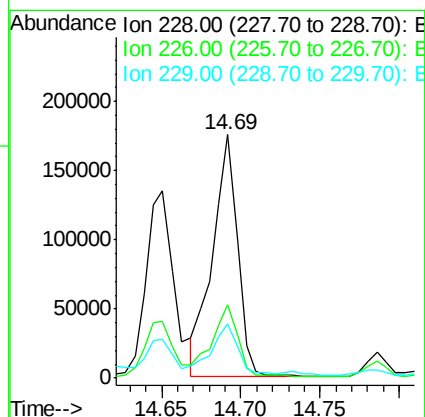
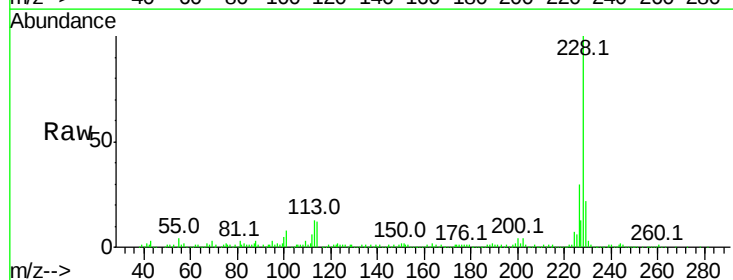
Instrument :
BNA_F
ClientSampled :
TS-01

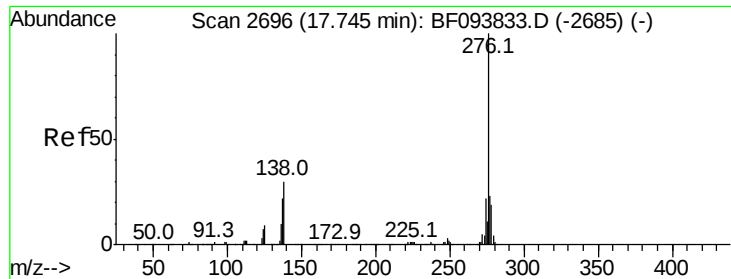
Tot Ion:228 Resp: 164908
Ion Ratio Lower Upper
228 100
226 30.0 22.6 33.8
229 20.8 16.3 24.5



#82
Chrysene
Concen: 9.88 ng
RT: 14.69 min Scan# 2177
Delta R.T. -0.02 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Tgt Ion:228 Resp: 193438
Ion Ratio Lower Upper
228 100
226 30.2 24.9 37.3
229 22.4 15.8 23.6

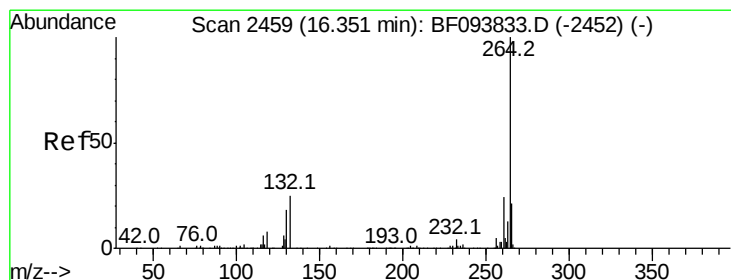
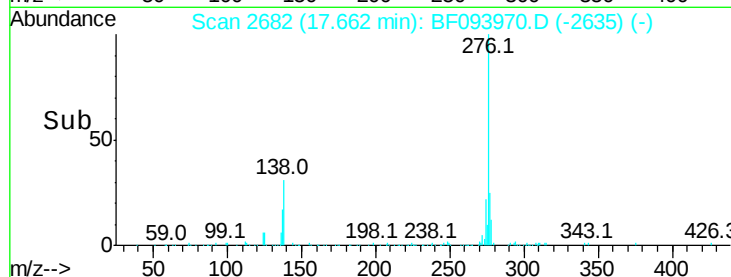
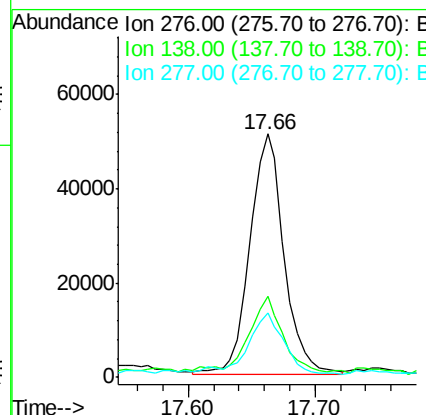
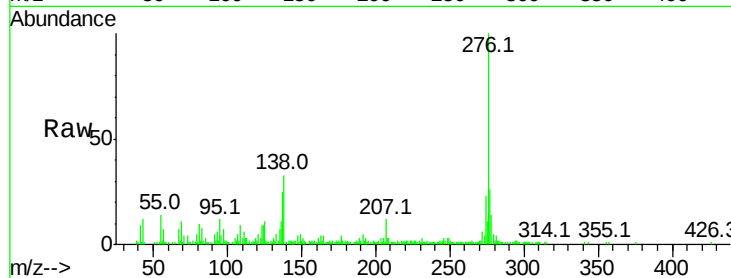




#85
Indeno(1,2,3-cd)pyrene
Concen: 5.67 ng
RT: 17.66 min Scan# 2682
Delta R.T. -0.02 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

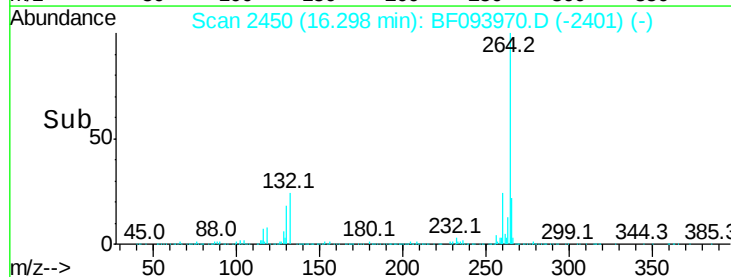
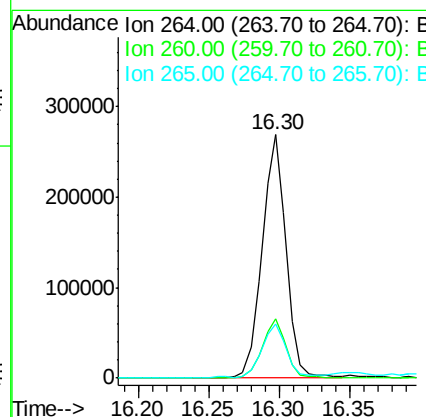
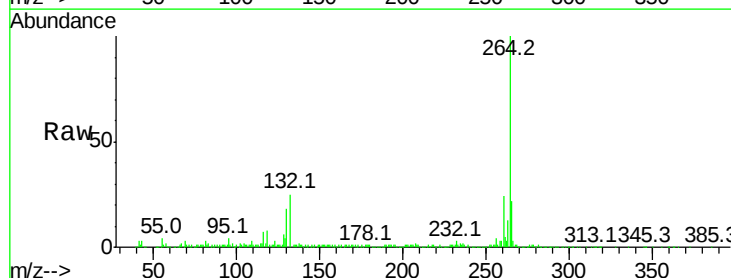
Instrument :
BNA_F
ClientSampleId :
TS-01

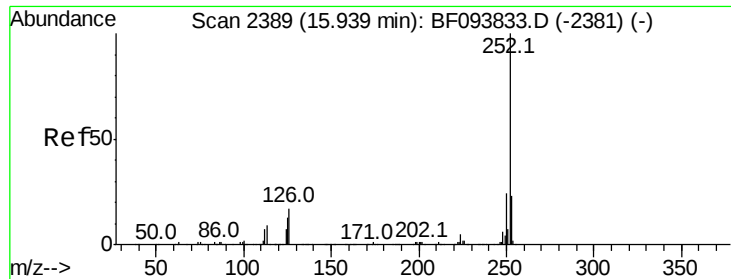
Tot Ion	Ratio	Lower	Upper
276	100		
138	31.1	27.8	41.6
277	27.1	20.2	30.4



#86
Perylene-d12
Concen: 20.00 ng
RT: 16.30 min Scan# 2450
Delta R.T. -0.01 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Tgt Ion	Ratio	Lower	Upper
264	100		
260	24.5	19.5	29.3
265	22.2	17.2	25.8





#87

Benzo(b)fluoranthene

Concen: 14.41 ng

RT: 15.89 min Scan# 2380

Delta R.T. -0.01 min

Lab File: BF093970.D

Acq: 28 Mar 2017 4:16

Instrument :

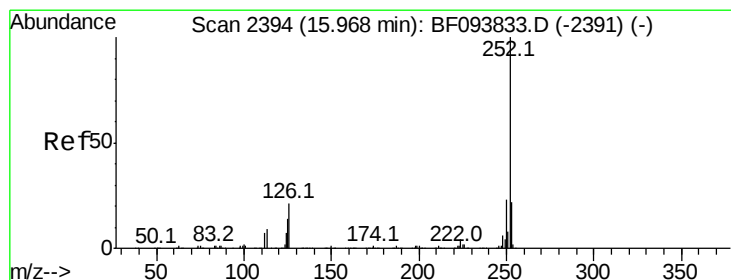
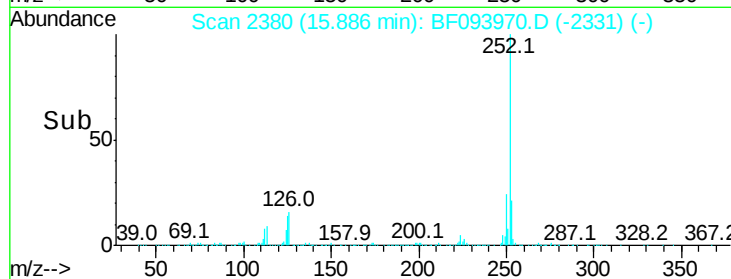
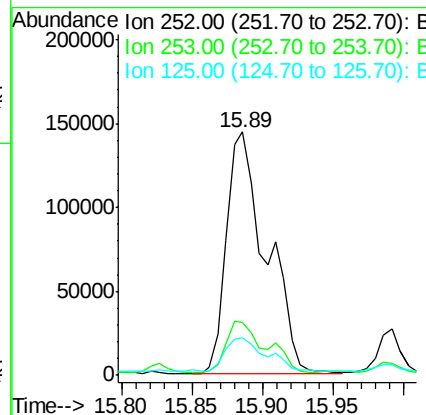
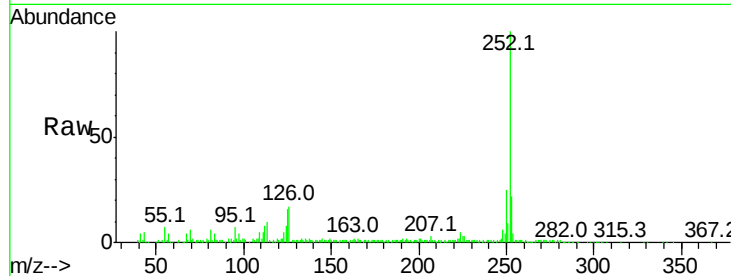
BNA_F

ClientSampleId :

TS-01

Tot Ion:252 Resp: 284603

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.1	27.1
125	15.7	9.8	14.8#



#88

Benzo(k)fluoranthene

Concen: 14.72 ng

RT: 15.89 min Scan# 2380

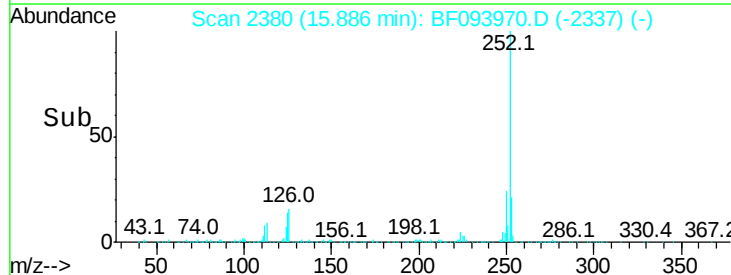
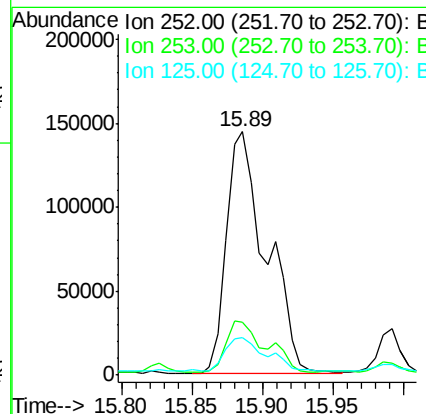
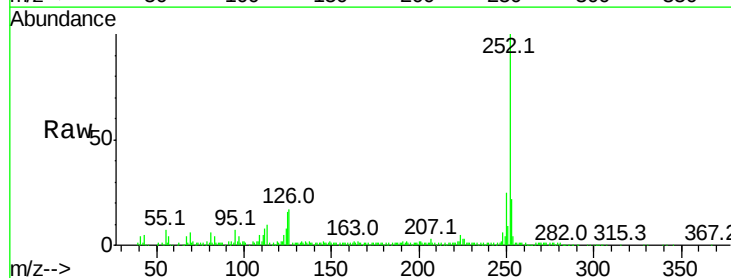
Delta R.T. -0.05 min

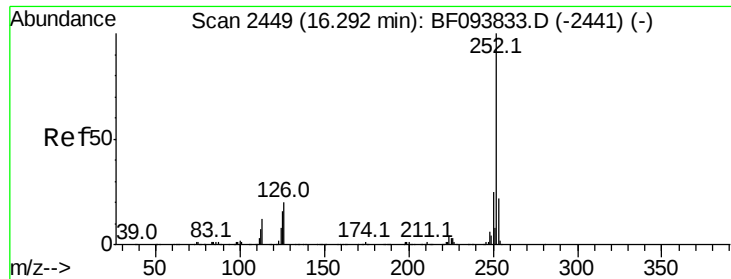
Lab File: BF093970.D

Acq: 28 Mar 2017 4:16

Tgt Ion:252 Resp: 284603

Ion	Ratio	Lower	Upper
252	100		
253	21.9	18.4	27.6
125	15.7	13.1	19.7

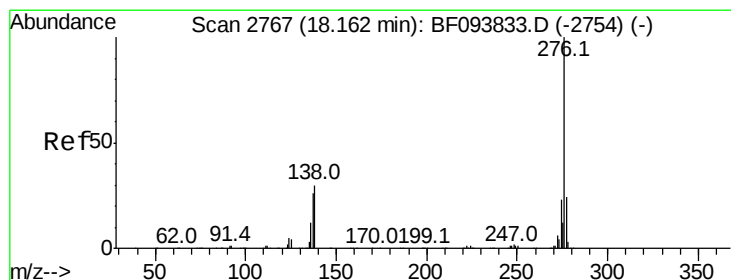
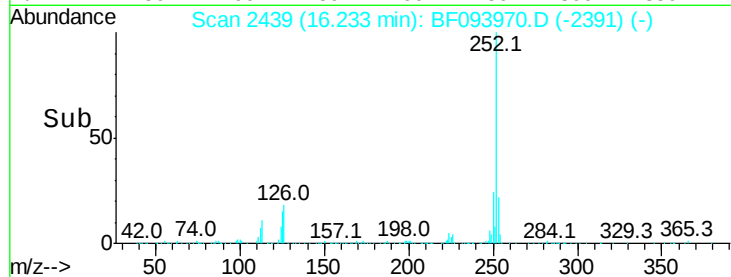
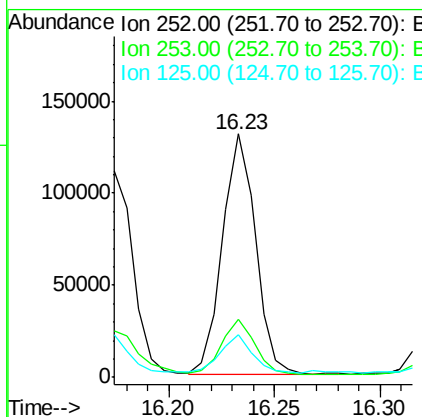
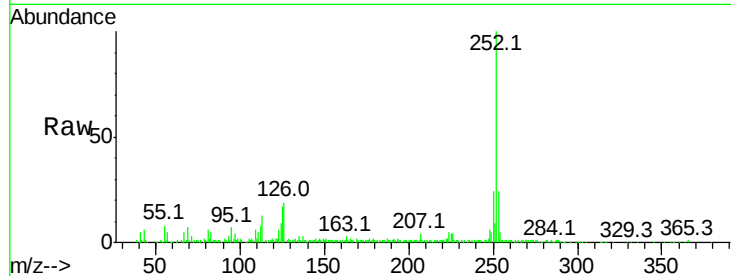




#89
Benzo(a)pyrene
Concen: 7.78 ng
RT: 16.23 min Scan# 2439
Delta R.T. -0.02 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Instrument :
BNA_F
ClientSampleId :
TS-01

Tot Ion:252 Resp: 141616
Ion Ratio Lower Upper
252 100
253 23.8 17.5 26.3
125 17.4 11.0 16.4#



#91
Benzo(g,h,i)perylene
Concen: 6.18 ng
RT: 18.07 min Scan# 2751
Delta R.T. -0.03 min
Lab File: BF093970.D
Acq: 28 Mar 2017 4:16

Tgt Ion:276 Resp: 95968
Ion Ratio Lower Upper
276 100
277 23.4 18.6 28.0
138 27.8 25.4 38.0

