

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
 Data File : BF094773.D
 Acq On : 2 May 2017 2:46
 Operator : SJ/MA
 Sample : I2923-04
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: May 02 04:54:46 2017
 Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 17 14:59:23 2017
 Response via : Initial Calibration

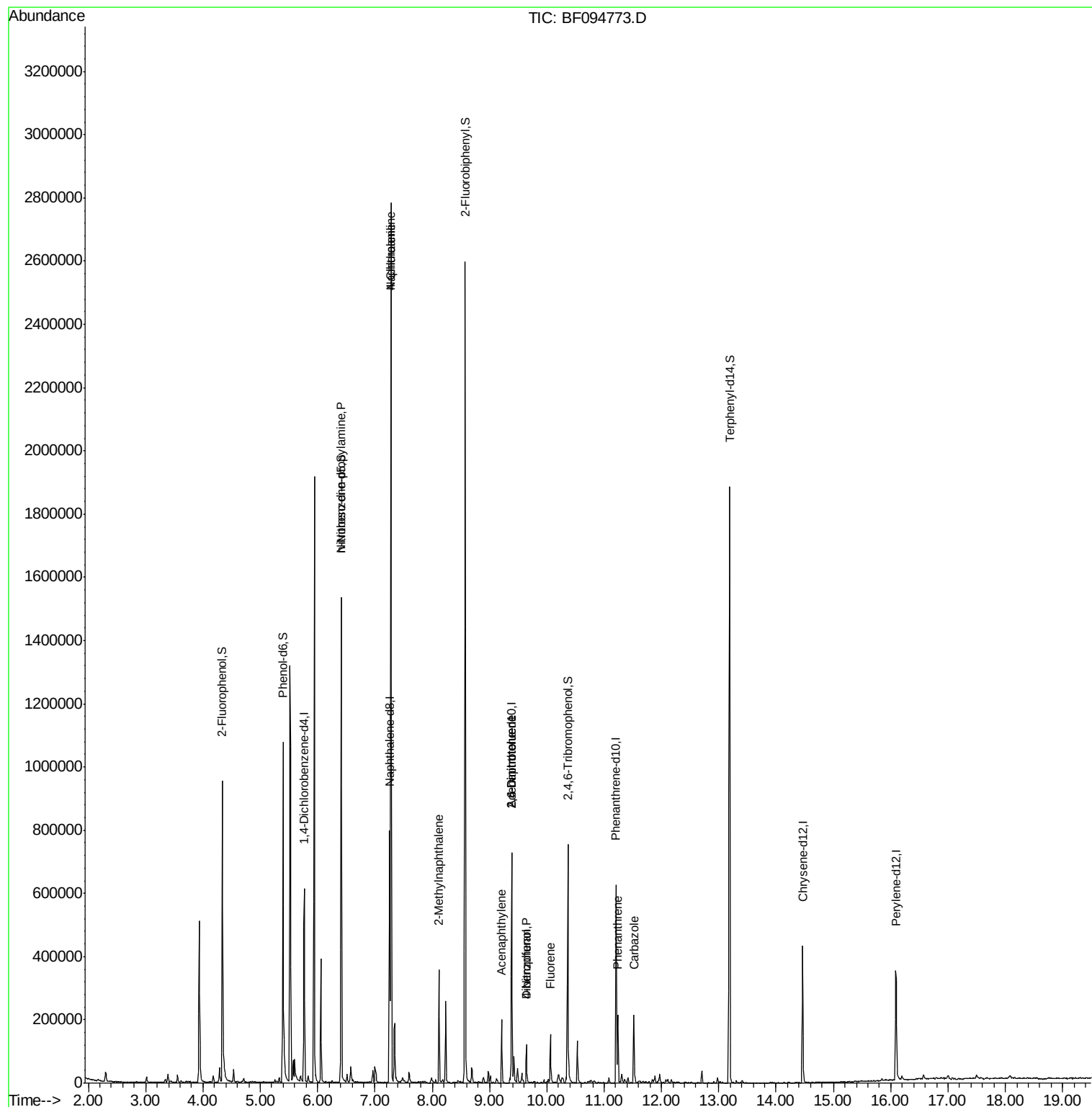
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	5.77	152	96359	20.00	ng	0.00
21) Naphthalene-d8	7.25	136	382941	20.00	ng	0.00
38) Acenaphthene-d10	9.38	164	171677	20.00	ng	-0.01
63) Phenanthrene-d10	11.21	188	256269	20.00	ng	-0.01
75) Chrysene-d12	14.46	240	177998	20.00	ng	0.00
86) Perylene-d12	16.09	264	157112	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	4.34	112	339084	58.38	ng	0.03
7) Phenol-d6	5.40	99	436947	63.81	ng	0.00
23) Nitrobenzene-d5	6.41	82	520834	83.98	ng	0.00
41) 2,4,6-Tribromophenol	10.37	330	99758	74.29	ng	0.00
44) 2-Fluorobiphenyl	8.58	172	972971	83.39	ng	0.00
78) Terphenyl-d14	13.19	244	691524	103.84	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	6.41	70	67398	14.86	ng	Qvalue # 76
31) Naphthalene	7.28	128	1292789	70.22	ng	100
33) 4-Chloroaniline	7.28	127	171453	22.39	ng	# 32
37) 2-Methylnaphthalene	8.12	142	97813	7.77	ng	97
48) Acenaphthylene	9.21	152	95032	5.47	ng	97
50) 2,6-Dinitrotoluene	9.38	165	22236	7.74	ng	# 34
54) Dibenzofuran	9.64	168	53121	3.51	ng	95
55) 4-Nitrophenol	9.64	139	19175	8.17	ng	# 27
56) 2,4-Dinitrotoluene	9.38	165	22237	6.31	ng	# 34
57) Fluorene	10.06	166	48846	4.14	ng	98
70) Phenanthrene	11.24	178	91819	6.36	ng	96
72) Carbazole	11.52	167	110394	7.88	ng	95

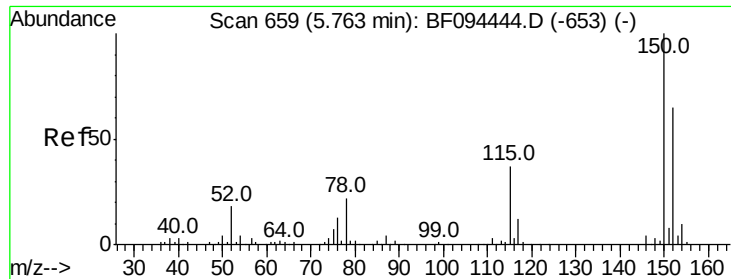
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA F\DATA\BF050117\
Data File : BF094773.D
Acq On : 2 May 2017 2:46
Operator : SJ/MA
Sample : I2923-04
Misc :
ALS Vial : 28 Sample Multiplier: 1

Instrument :
BNA_F
ClientSampleId :

Quant Time: May 02 04:54:46 2017
Quant Method : Z:\HPCHEM1\BNA F\METHODS\8270-BF041717.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 17 14:59:23 2017
Response via : Initial Calibration



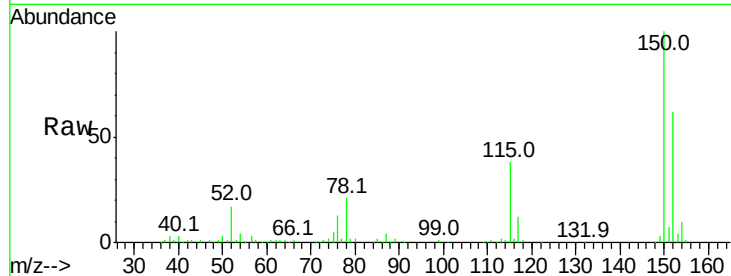


#1

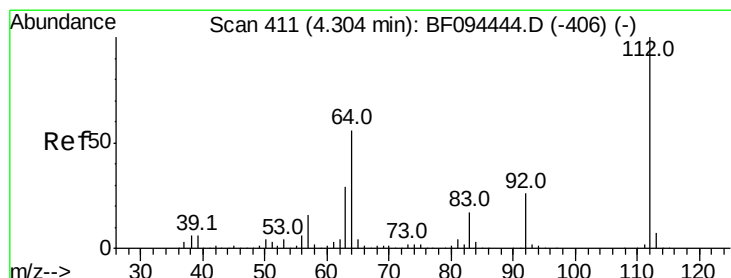
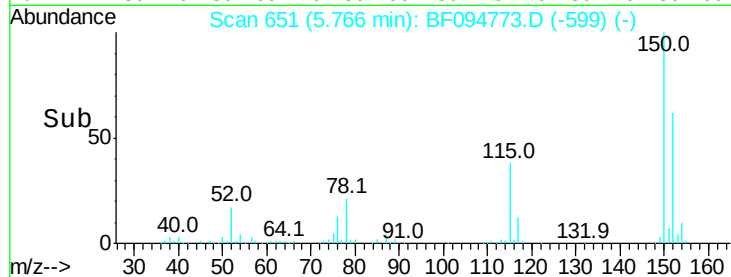
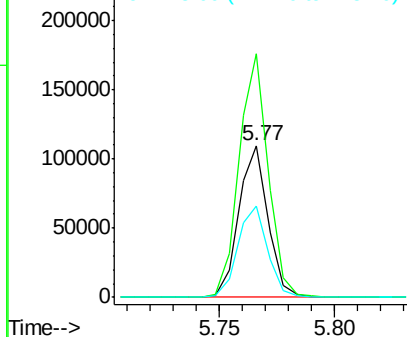
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 5.77 min Scan# 651
Delta R.T. 0.00 min
Lab File: BF094773.D
Acq: 2 May 2017 2:46

Instrument :
BNA_F
ClientSampled :

Tot Ion:152 Resp: 96359
Ion Ratio Lower Upper
152 100
150 160.6 126.2 189.2
115 60.5 52.2 78.2



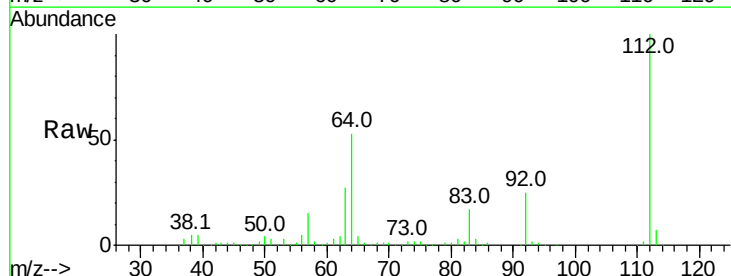
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



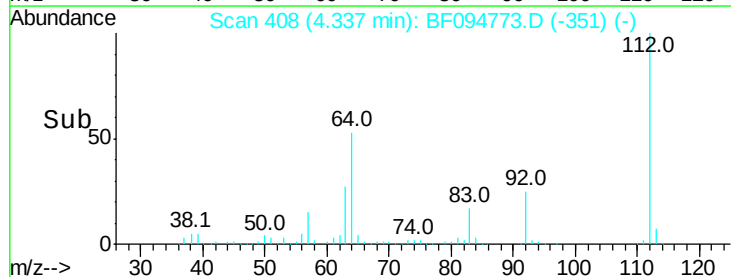
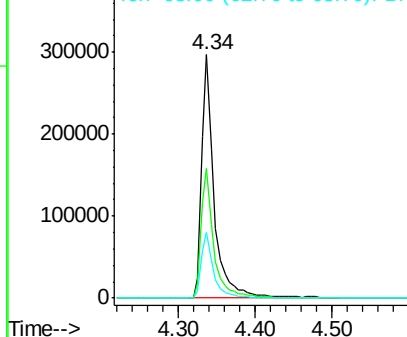
#5

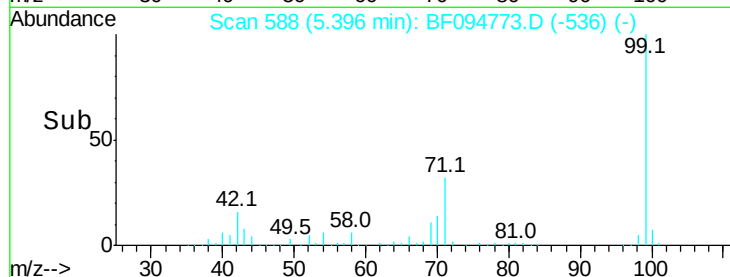
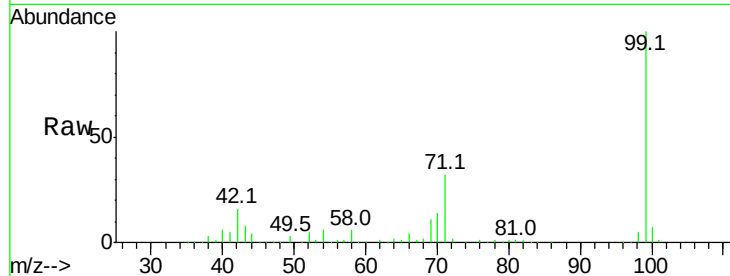
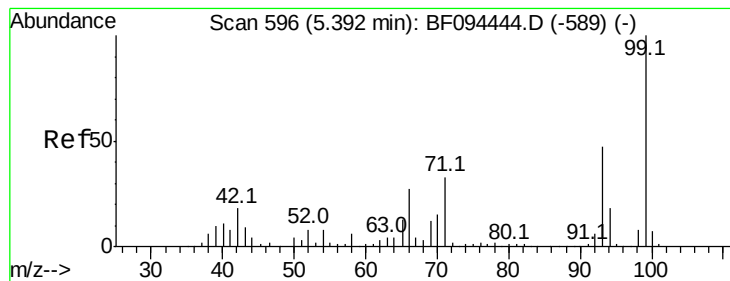
2-Fluorophenol
Concen: 58.38 ng
RT: 4.34 min Scan# 408
Delta R.T. 0.03 min
Lab File: BF094773.D
Acq: 2 May 2017 2:46

Tgt Ion:112 Resp: 339084
Ion Ratio Lower Upper
112 100
64 53.4 46.0 69.0
63 27.0 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: 63.81 ng

RT: 5.40 min Scan# 588

Delta R.T. 0.00 min

Lab File: BF094773.D

Acq: 2 May 2017 2:46

Instrument :

BNA_F

ClientSampled :

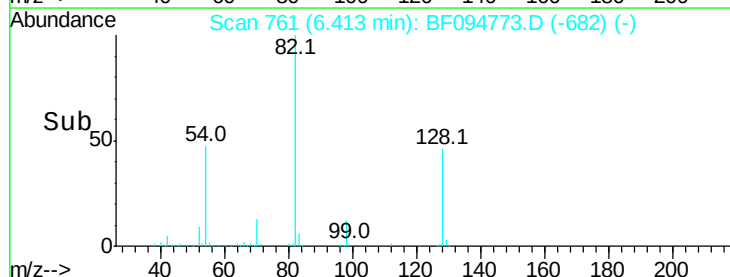
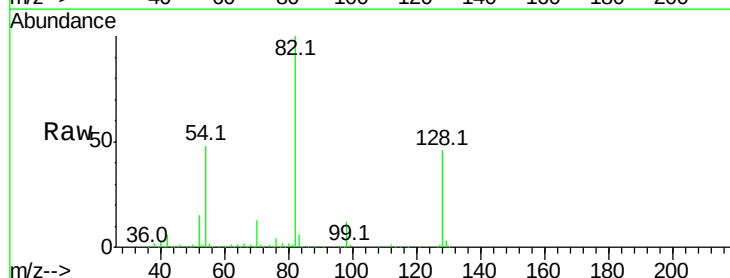
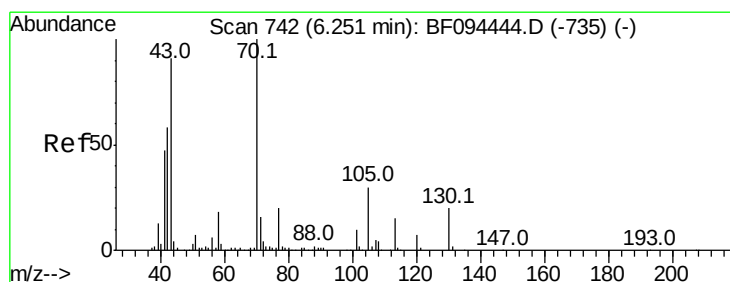
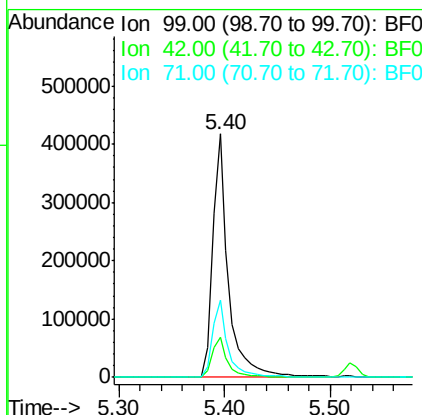
Tot Ion: 99 Resp: 436947

Ion Ratio Lower Upper

99 100

42 16.3 13.5 20.3

71 31.7 24.5 36.7



#19

n-Nitroso-di-n-propylamine

Concen: 14.86 ng

RT: 6.41 min Scan# 761

Delta R.T. 0.16 min

Lab File: BF094773.D

Acq: 2 May 2017 2:46

Tgt Ion: 70 Resp: 67398

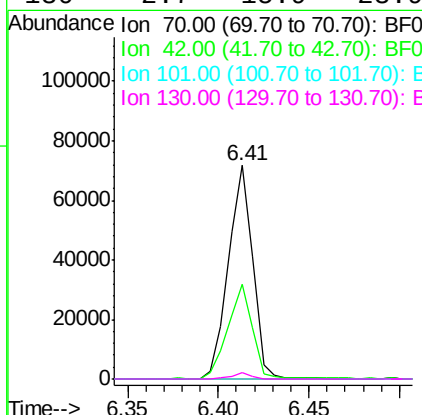
Ion Ratio Lower Upper

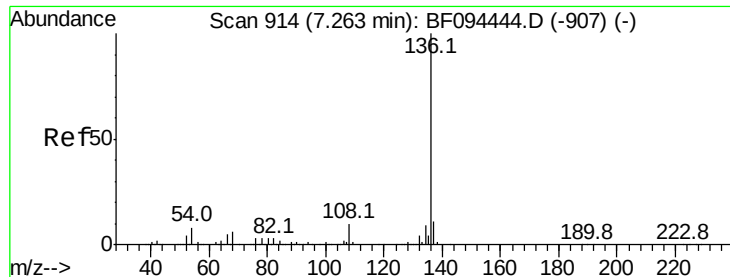
70 100

42 44.6 47.2 70.8#

101 0.0 7.2 10.8#

130 2.7 15.9 23.9#

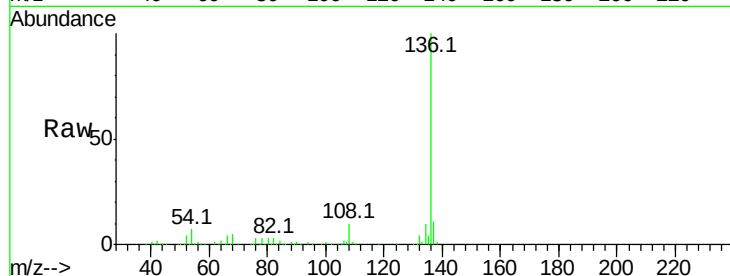




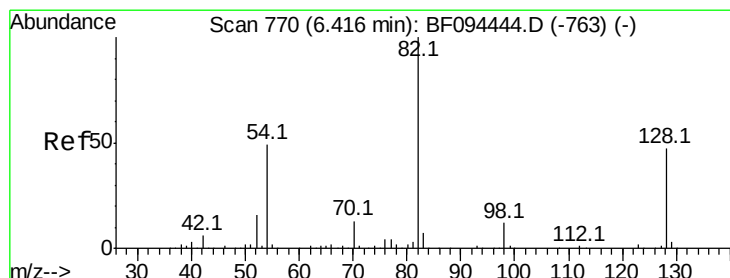
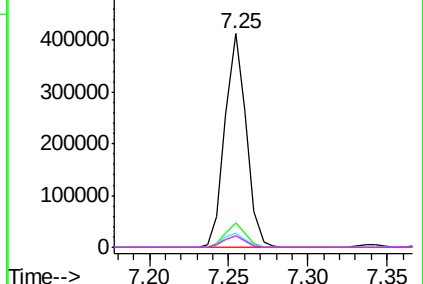
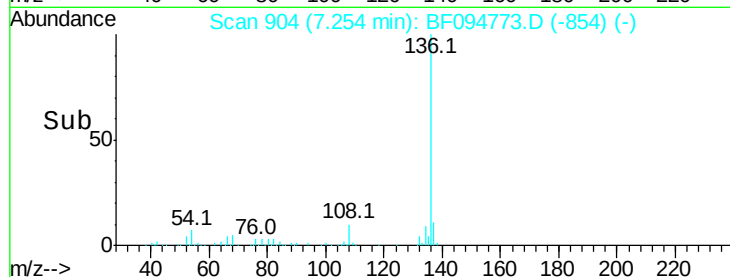
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 7.25 min Scan# 904
Delta R.T. -0.01 min
Lab File: BF094773.D
Acq: 2 May 2017 2:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:136	Resp:	382941
Ion Ratio	Lower	Upper
136 100		
137 11.2	8.5	12.7
54 6.7	4.9	7.3
68 5.3	4.1	6.1

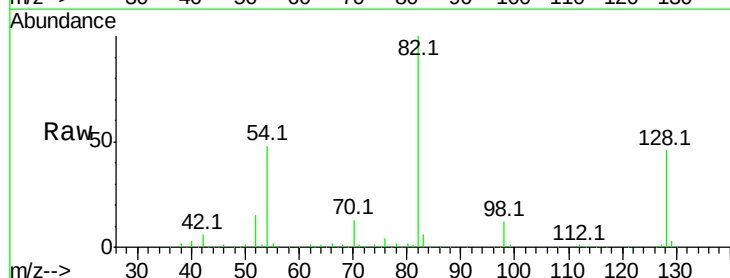


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

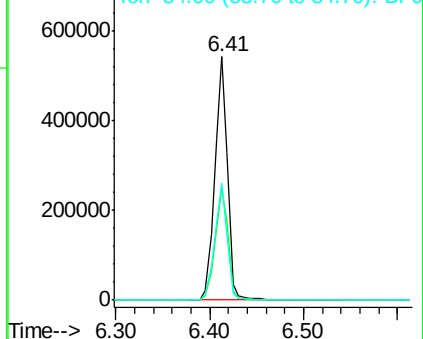
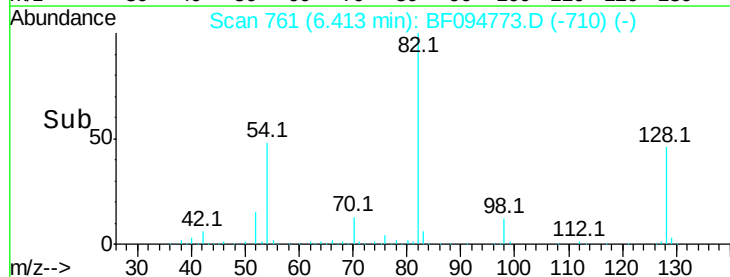


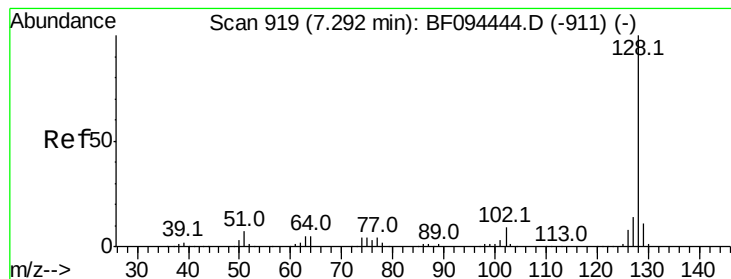
#23
Nitrobenzene-d5
Concen: 83.98 ng
RT: 6.41 min Scan# 761
Delta R.T. -0.00 min
Lab File: BF094773.D
Acq: 2 May 2017 2:46

Tgt Ion: 82	Resp:	520834
Ion Ratio	Lower	Upper
82 100		
128 46.1	34.0	51.0
54 48.1	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





#31

Naphthalene

Concen: 70.22 ng

RT: 7.28 min Scan# 909

Delta R.T. -0.01 min

Lab File: BF094773.D

Acq: 2 May 2017 2:46

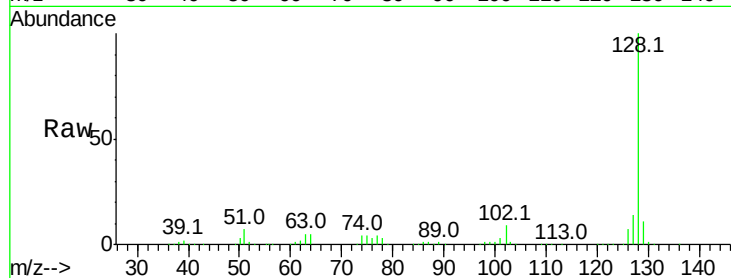
Instrument :

BNA_F

ClientSampleId :

Tot Ion:128 Resp: 1292789

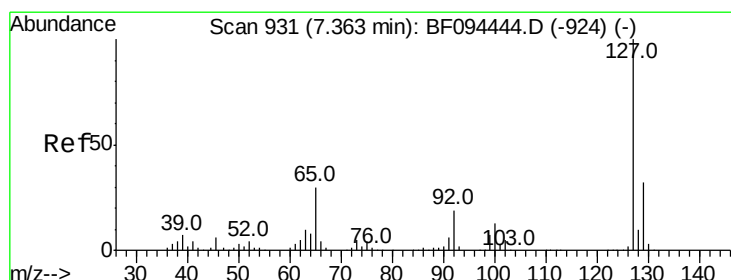
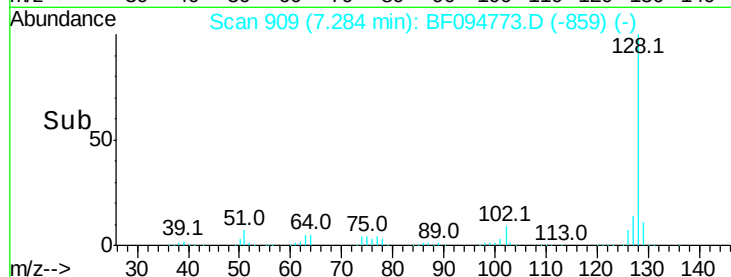
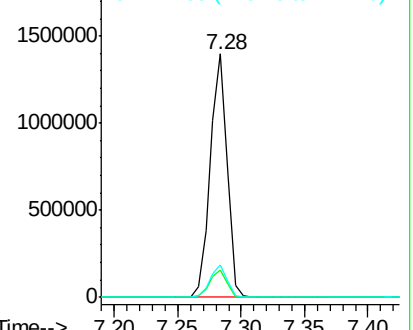
Ion	Ratio	Lower	Upper
128	100		
129	11.3	9.0	13.6
127	13.5	10.8	16.2



Abundance Ion 128.00 (127.70 to 128.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 127.00 (126.70 to 127.70): E



#33

4-Chloroaniline

Concen: 22.39 ng

RT: 7.28 min Scan# 909

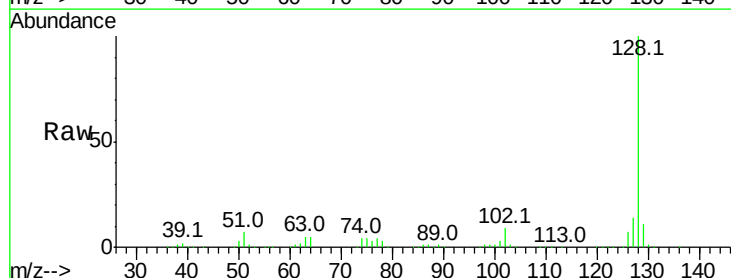
Delta R.T. -0.08 min

Lab File: BF094773.D

Acq: 2 May 2017 2:46

Tgt Ion:127 Resp: 171453

Ion	Ratio	Lower	Upper
127	100		
129	83.5	26.2	39.2#
65	0.0	27.8	41.8#
92	0.0	16.8	25.2#

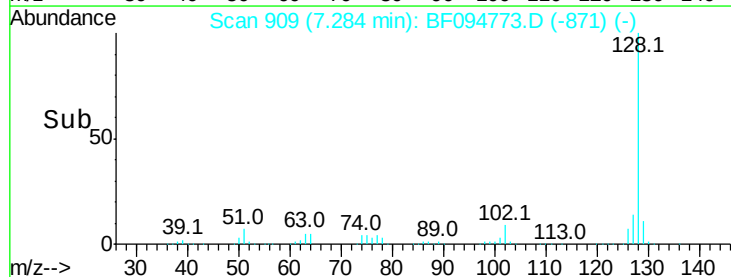
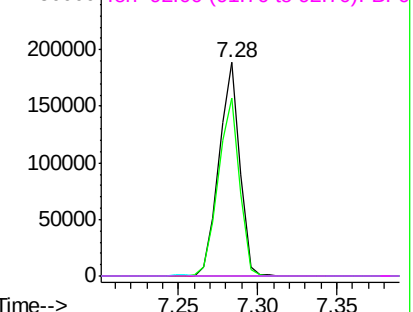


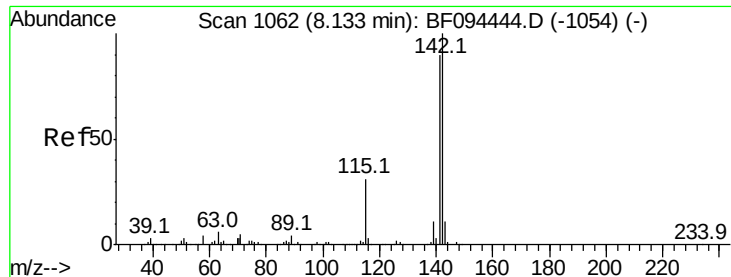
Abundance Ion 127.00 (126.70 to 127.70): E

Ion 129.00 (128.70 to 129.70): E

Ion 65.00 (64.70 to 65.70): BF0

Ion 92.00 (91.70 to 92.70): BF0





#37

2-Methylnaphthalene

Concen: 7.77 ng

RT: 8.12 min Scan# 1051

Delta R.T. -0.01 min

Lab File: BF094773.D

Acq: 2 May 2017 2:46

Instrument :

BNA_F

ClientSampled :

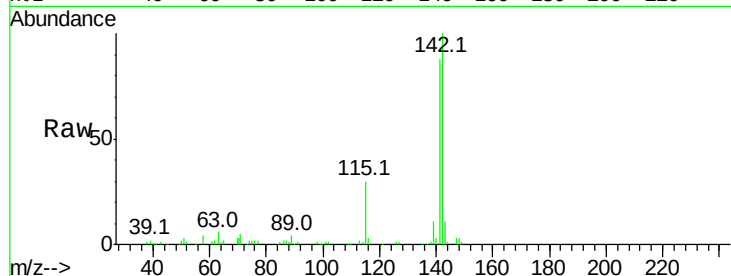
Tot Ion:142 Resp: 97813

Ion Ratio Lower Upper

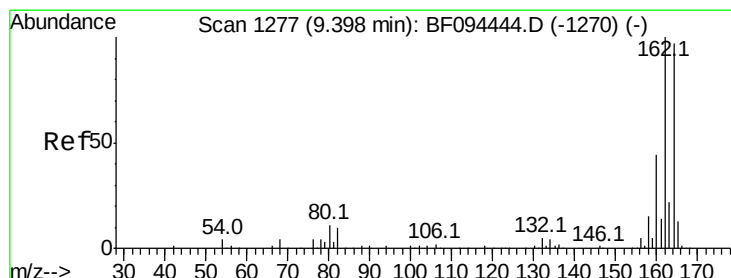
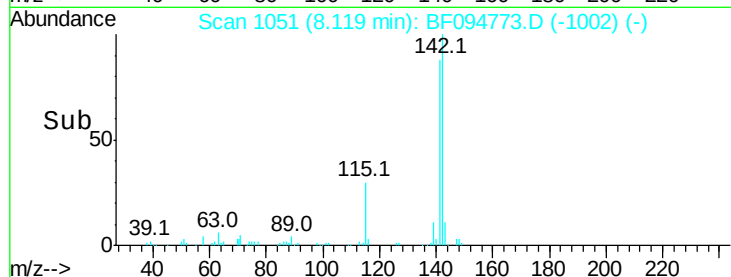
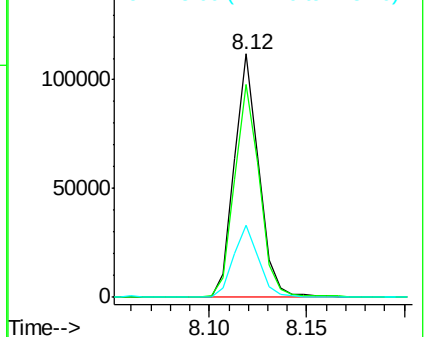
142 100

141 87.6 71.3 106.9

115 29.6 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: 9.38 min Scan# 1266

Delta R.T. -0.01 min

Lab File: BF094773.D

Acq: 2 May 2017 2:46

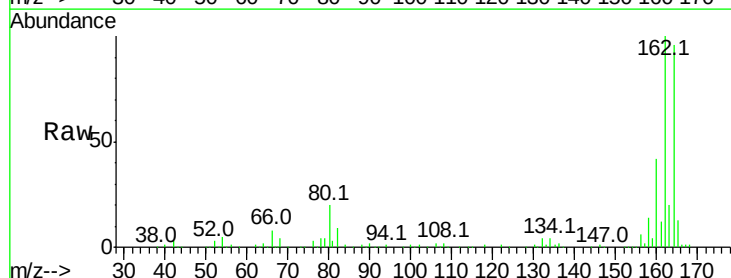
Tgt Ion:164 Resp: 171677

Ion Ratio Lower Upper

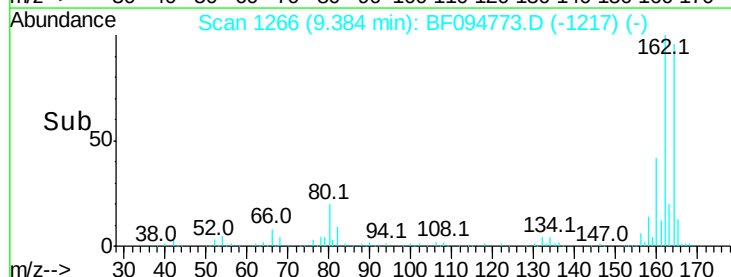
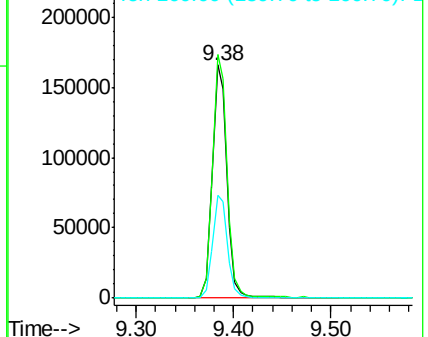
164 100

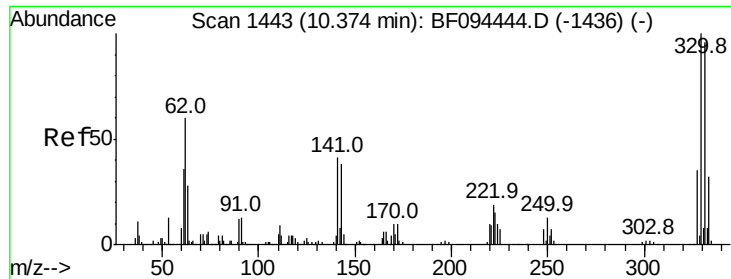
162 104.6 82.6 123.8

160 44.3 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

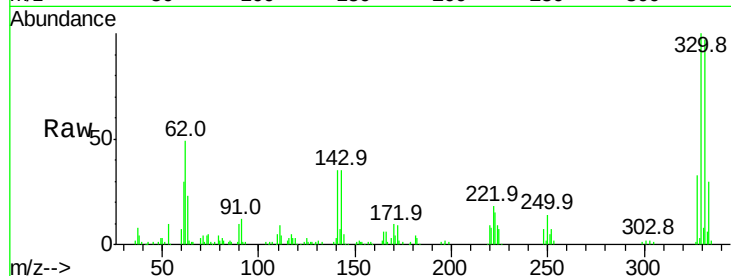




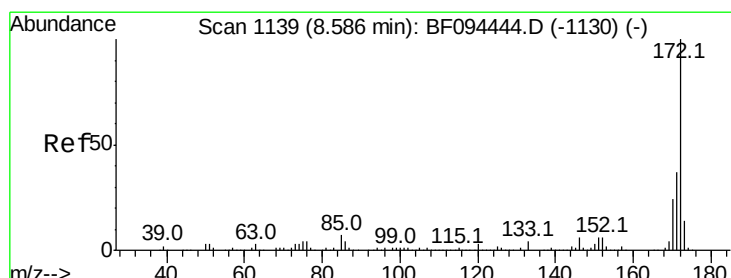
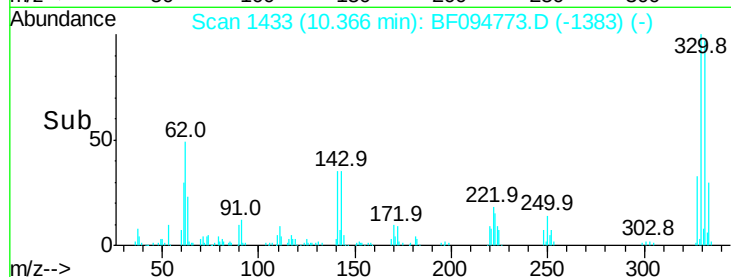
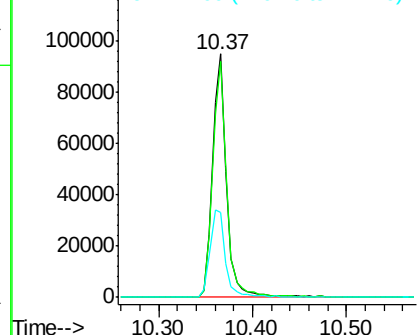
#41
 2,4,6-Tribromophenol
 Concen: 74.29 ng
 RT: 10.37 min Scan# 1433
 Delta R.T. -0.01 min
 Lab File: BF094773.D
 Acq: 2 May 2017 2:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:330 Resp: 99758
 Ion Ratio Lower Upper
 330 100
 332 97.7 76.6 115.0
 141 39.3 31.4 47.2

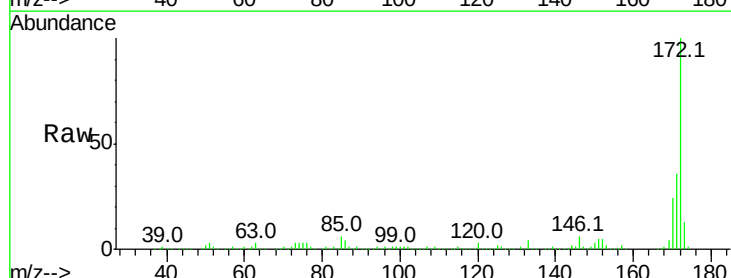


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

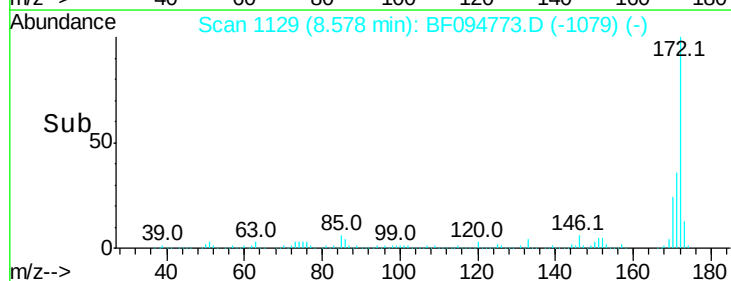
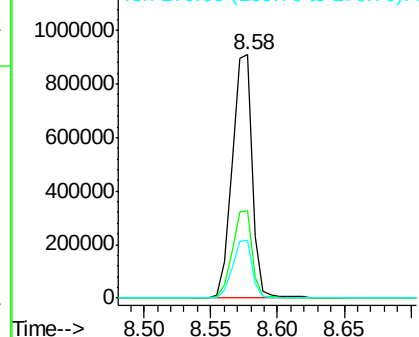


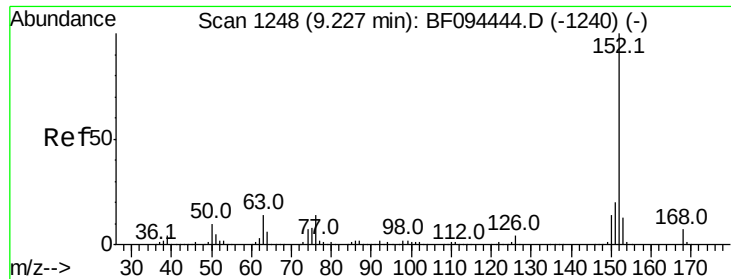
#44
 2-Fluorobiphenyl
 Concen: 83.39 ng
 RT: 8.58 min Scan# 1129
 Delta R.T. -0.01 min
 Lab File: BF094773.D
 Acq: 2 May 2017 2:46

Tgt Ion:172 Resp: 972971
 Ion Ratio Lower Upper
 172 100
 171 35.8 29.6 44.4
 170 23.9 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





#48

Acenaphthylene

Concen: 5.47 ng

RT: 9.21 min Scan# 1237

Delta R.T. -0.01 min

Lab File: BF094773.D

Acq: 2 May 2017 2:46

Instrument :

BNA_F

ClientSampleId :

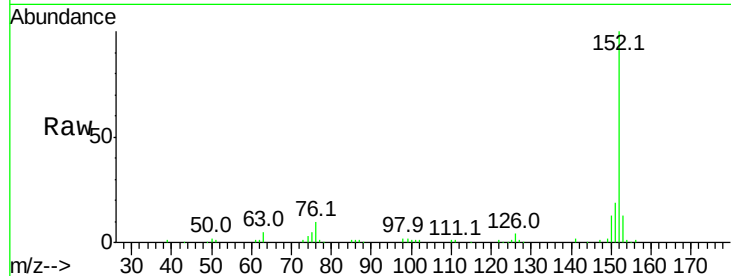
Tot Ion:152 Resp: 95032

Ion Ratio Lower Upper

152 100

151 19.3 16.8 25.2

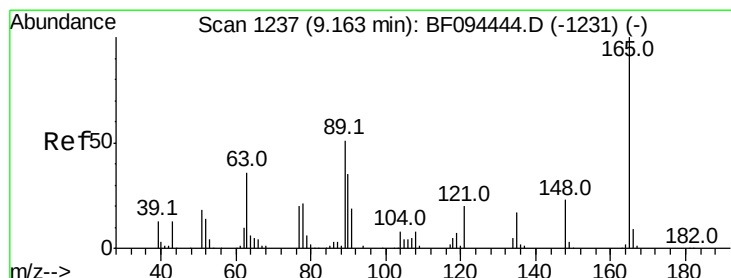
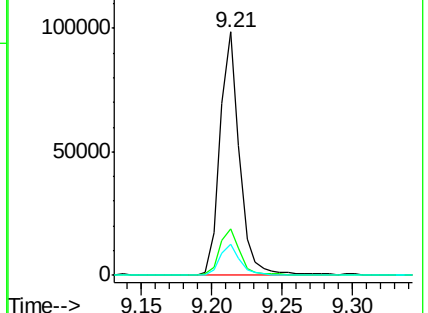
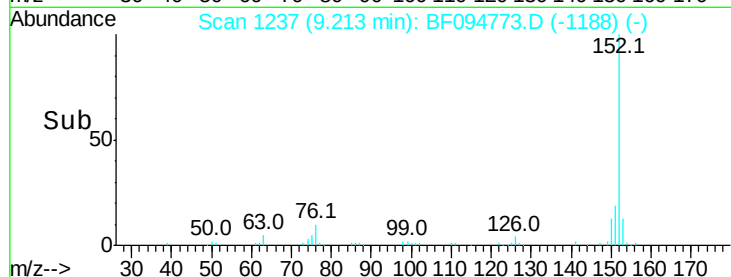
153 12.6 10.8 16.2



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 151.00 (150.70 to 151.70): E

Ion 153.00 (152.70 to 153.70): E



#50

2,6-Dinitrotoluene

Concen: 7.74 ng

RT: 9.38 min Scan# 1266

Delta R.T. 0.22 min

Lab File: BF094773.D

Acq: 2 May 2017 2:46

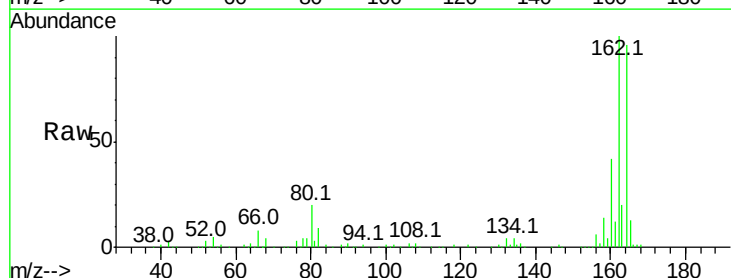
Tgt Ion:165 Resp: 22236

Ion Ratio Lower Upper

165 100

63 1.8 34.3 51.5#

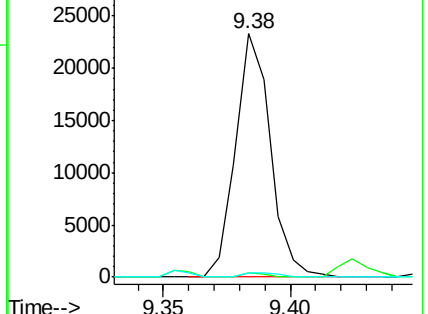
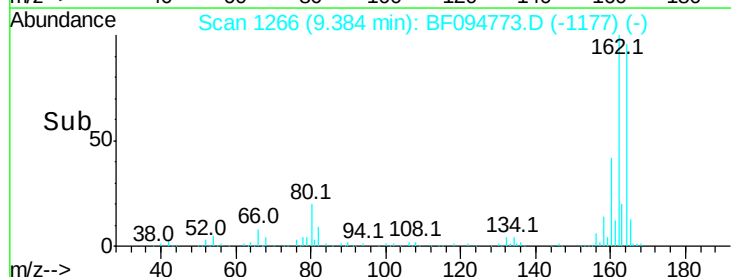
89 1.8 37.1 55.7#

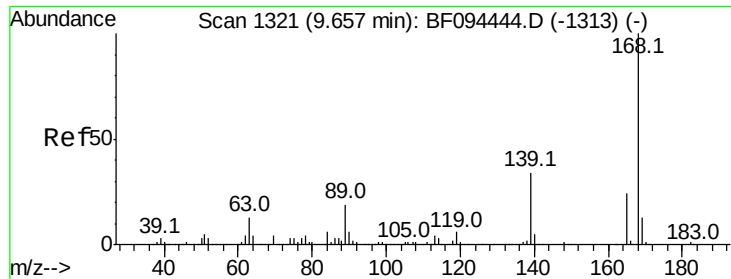


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0

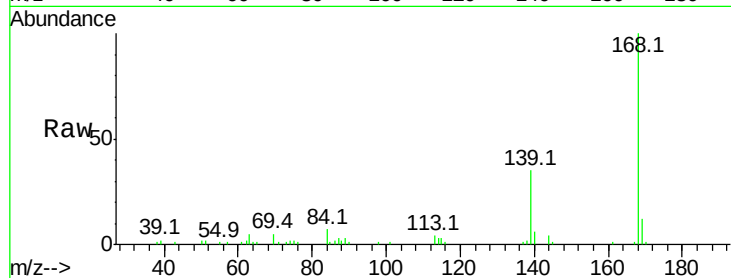




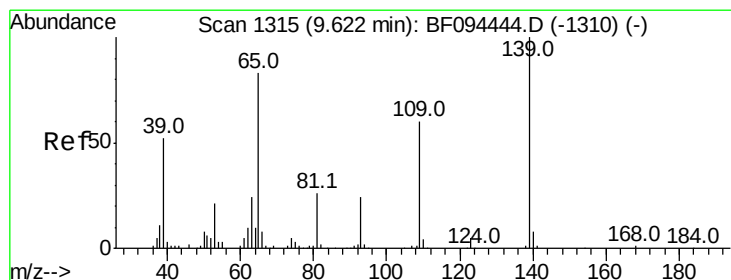
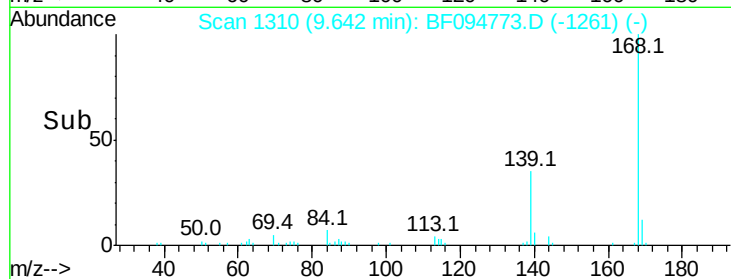
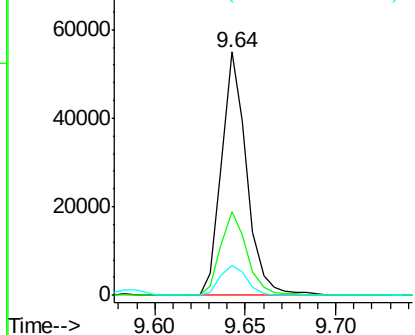
#54
Dibenzofuran
Concen: 3.51 ng
RT: 9.64 min Scan# 1310
Delta R.T. -0.01 min
Lab File: BF094773.D
Acq: 2 May 2017 2:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion	Ratio	Lower	Upper
168	100		
139	34.6	30.6	45.8
169	12.5	10.8	16.2

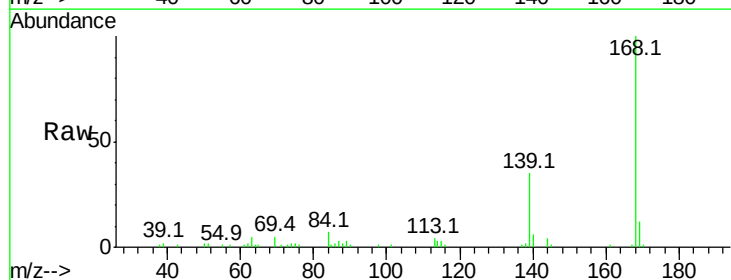


Abundance Ion 168.00 (167.70 to 168.70): E
Ion 139.00 (138.70 to 139.70): E
Ion 169.00 (168.70 to 169.70): E

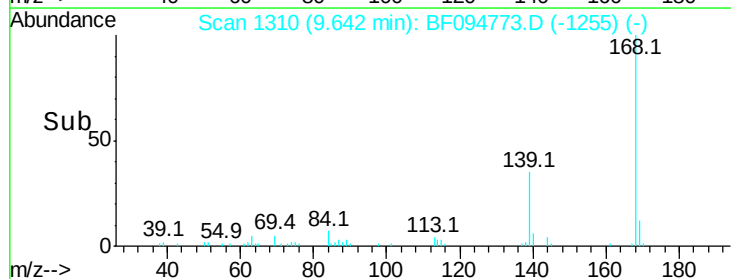
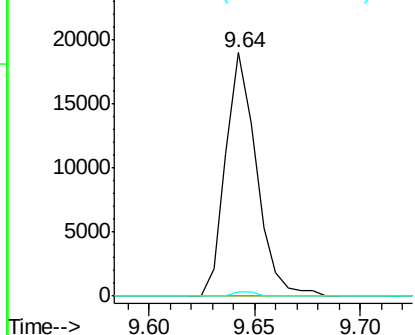


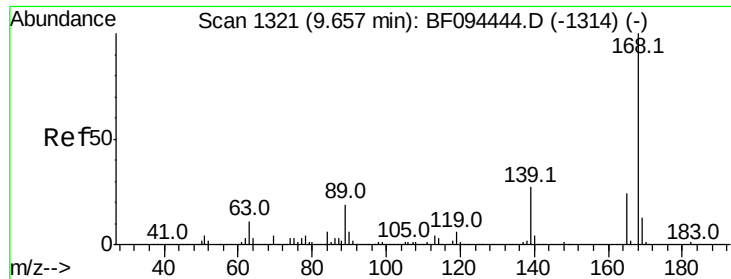
#55
4-Nitrophenol
Concen: 8.17 ng
RT: 9.64 min Scan# 1310
Delta R.T. 0.02 min
Lab File: BF094773.D
Acq: 2 May 2017 2:46

Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	34.1	74.1#
65	1.9	31.4	71.4#



Abundance Ion 139.00 (138.70 to 139.70): E
Ion 109.00 (108.70 to 109.70): E
Ion 65.00 (64.70 to 65.70): BF0

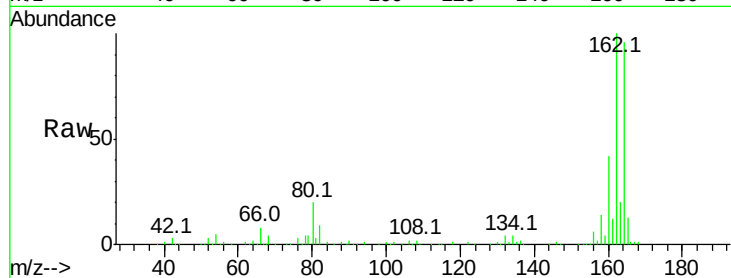




#56
2,4-Dinitrotoluene
Concen: 6.31 ng
RT: 9.38 min Scan# 1266
Delta R.T. -0.27 min
Lab File: BF094773.D
Acq: 2 May 2017 2:46

Instrument :
BNA_F
ClientSampleId :

Tot Ion:165	Resp:	22237
Ion Ratio	Lower	Upper
165	100	
63	1.8	25.4 38.0#
89	1.8	46.4 69.6#
182	0.0	1.8 2.6#

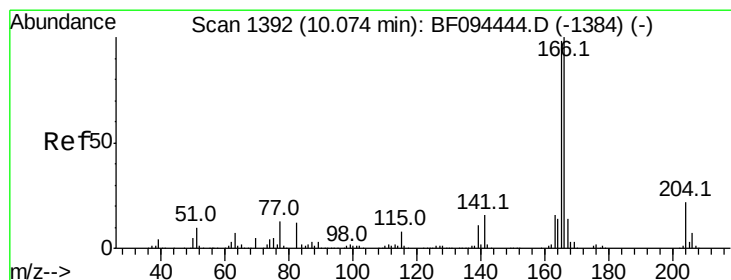
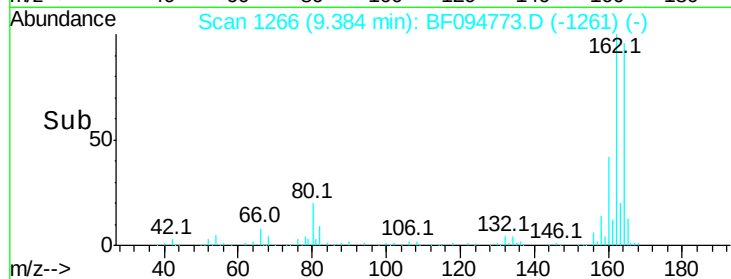
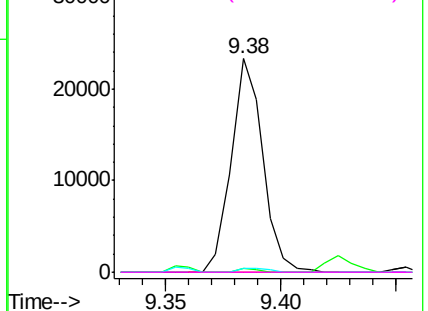


Abundance Ion 165.00 (164.70 to 165.70): E

Ion 63.00 (62.70 to 63.70): BF0

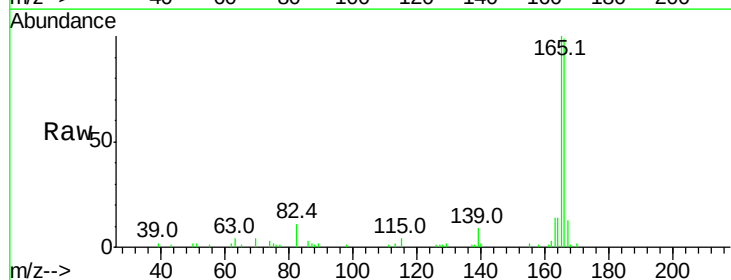
Ion 89.00 (88.70 to 89.70): BF0

Ion 182.00 (181.70 to 182.70): E



#57
Fluorene
Concen: 4.14 ng
RT: 10.06 min Scan# 1381
Delta R.T. -0.01 min
Lab File: BF094773.D
Acq: 2 May 2017 2:46

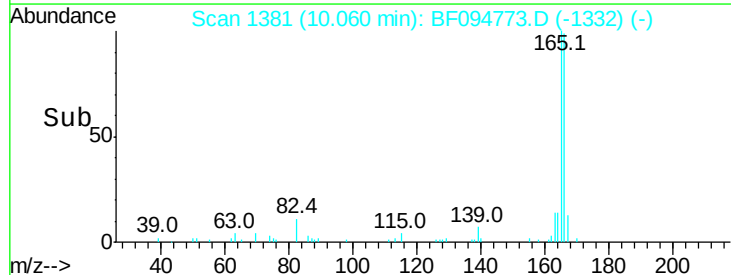
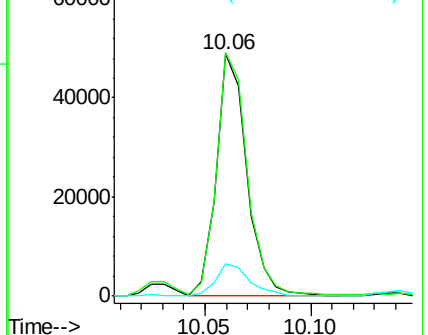
Tgt Ion:166	Resp:	48846
Ion Ratio	Lower	Upper
166	100	
165	100.7	78.8 118.2
167	13.2	10.6 16.0

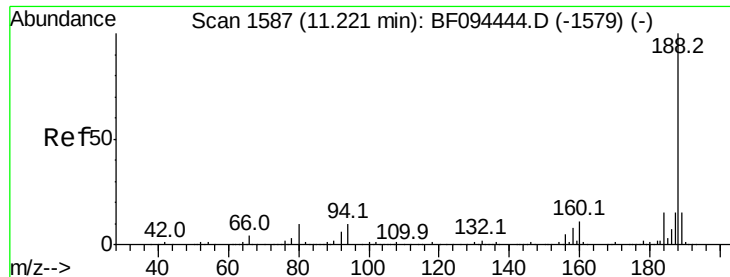


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

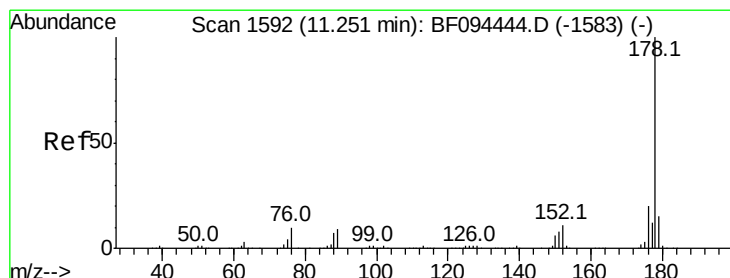
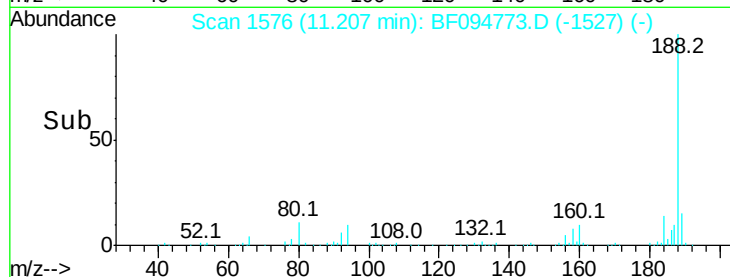
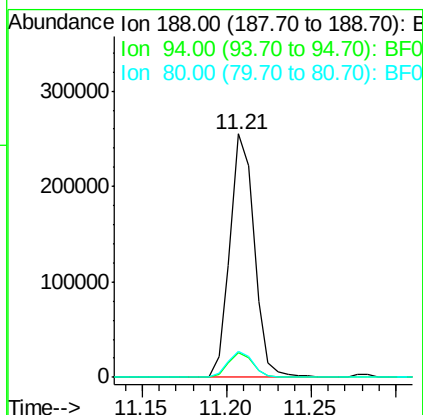
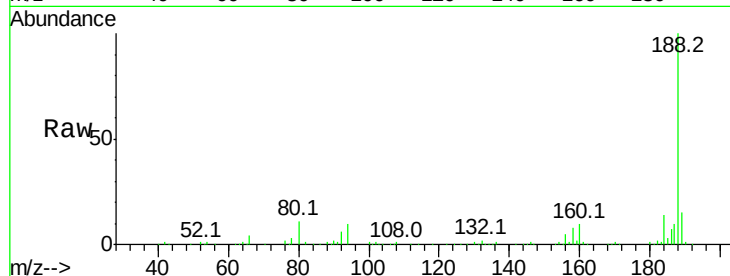




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.21 min Scan# 1576
 Delta R.T. -0.01 min
 Lab File: BF094773.D
 Acq: 2 May 2017 2:46

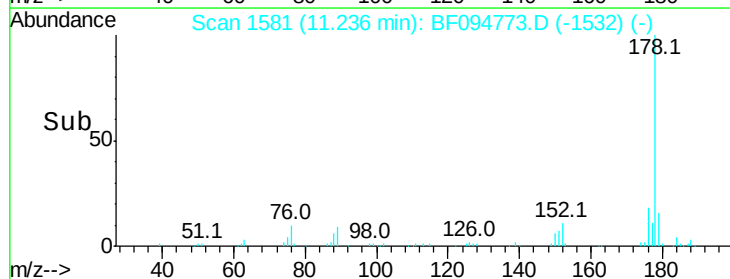
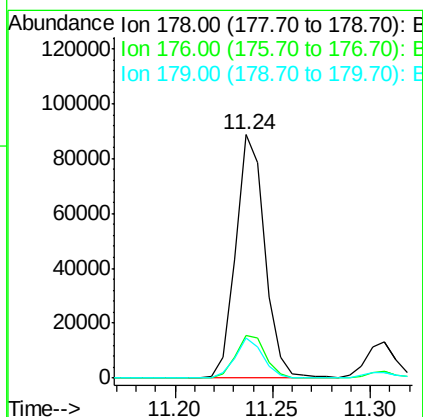
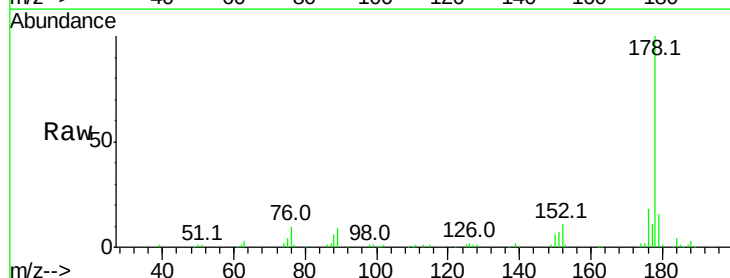
Instrument :
 BNA_F
 ClientSampleId :

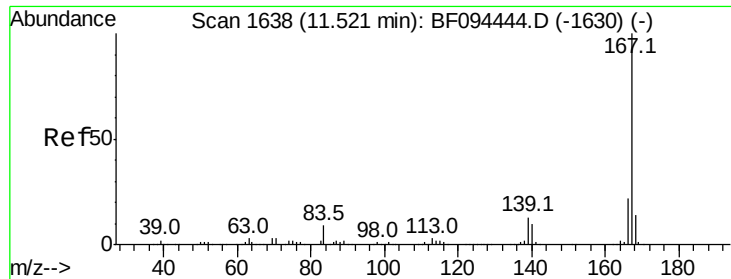
Tot Ion:188 Resp: 256269
 Ion Ratio Lower Upper
 188 100
 94 10.4 9.4 14.2
 80 10.9 10.2 15.2



#70
 Phenanthrene
 Concen: 6.36 ng
 RT: 11.24 min Scan# 1581
 Delta R.T. -0.01 min
 Lab File: BF094773.D
 Acq: 2 May 2017 2:46

Tgt Ion:178 Resp: 91819
 Ion Ratio Lower Upper
 178 100
 176 17.6 16.2 24.4
 179 16.4 12.6 19.0





#72

Carbazole

Concen: 7.88 ng

RT: 11.52 min Scan# 1629

Delta R.T. -0.00 min

Lab File: BF094773.D

Acq: 2 May 2017 2:46

Instrument :

BNA_F

ClientSampleId :

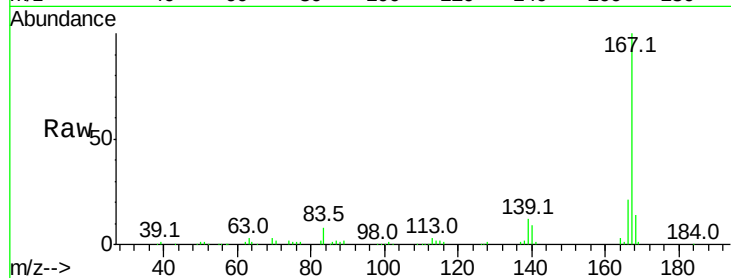
Tot Ion:167 Resp: 110394

Ion Ratio Lower Upper

167 100

166 20.7 18.1 27.1

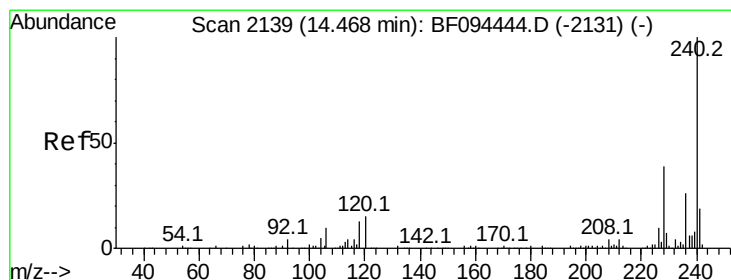
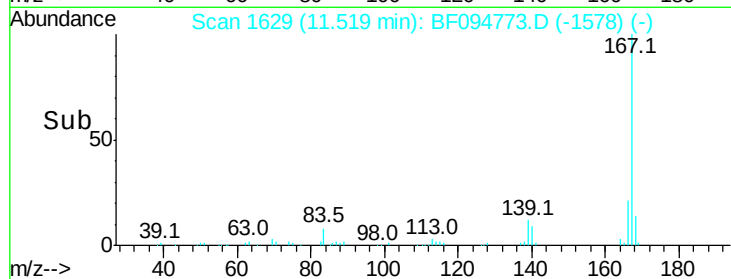
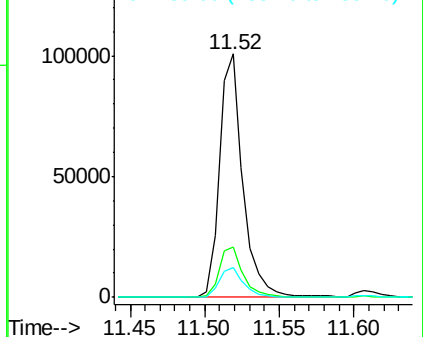
139 12.2 11.7 17.5



Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.46 min Scan# 2129

Delta R.T. -0.01 min

Lab File: BF094773.D

Acq: 2 May 2017 2:46

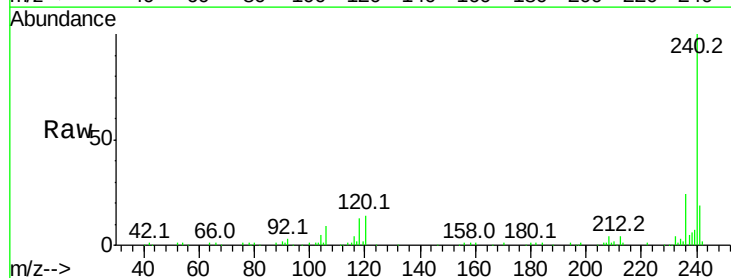
Tgt Ion:240 Resp: 177998

Ion Ratio Lower Upper

240 100

120 14.4 5.8 8.8#

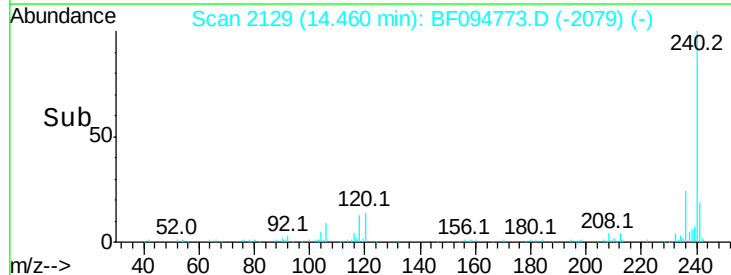
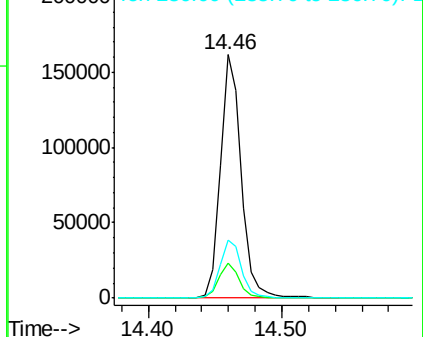
236 23.7 20.5 30.7

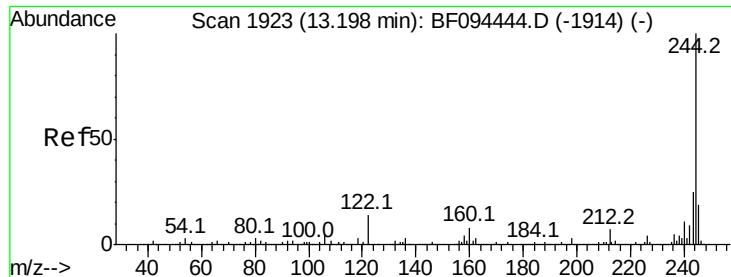


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

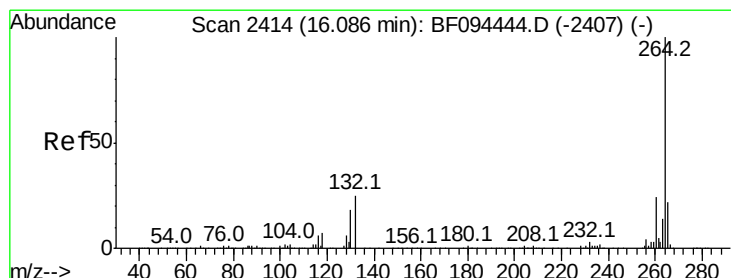
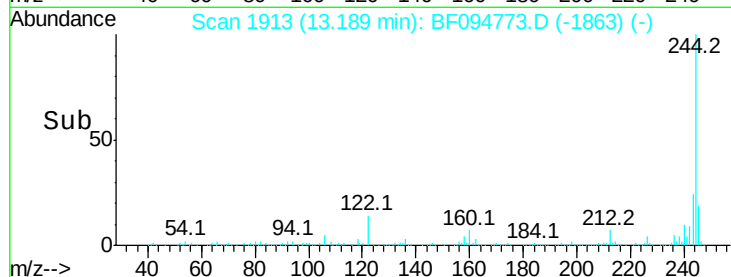
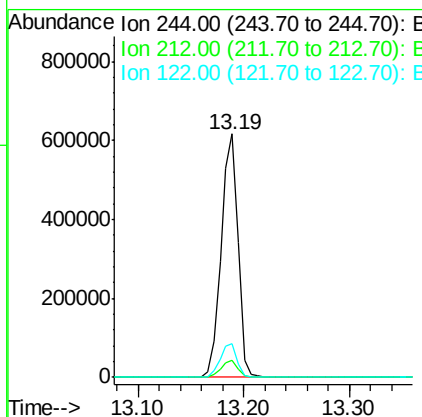
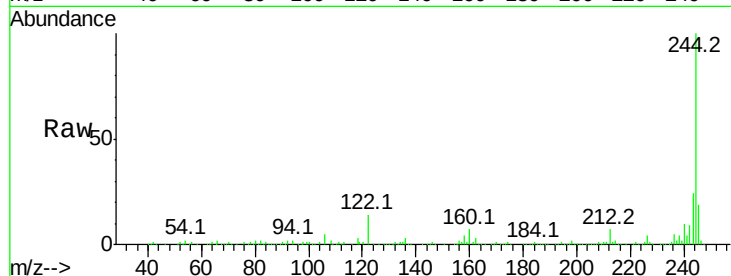




#78
 Terphenyl-d14
 Concen: 103.84 ng
 RT: 13.19 min Scan# 1913
 Delta R.T. -0.01 min
 Lab File: BF094773.D
 Acq: 2 May 2017 2:46

Instrument :
 BNA_F
 ClientSampleId :

Tot Ion:244 Resp: 691524
 Ion Ratio Lower Upper
 244 100
 212 7.0 6.0 9.0
 122 13.6 10.3 15.5



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.09 min Scan# 2406
 Delta R.T. 0.00 min
 Lab File: BF094773.D
 Acq: 2 May 2017 2:46

Tgt Ion:264 Resp: 157112
 Ion Ratio Lower Upper
 264 100
 260 23.1 19.5 29.3
 265 22.1 17.2 25.8

