

Data Path : Z:\HPCHEM1\BNA_F\Data\BF071315\
 Data File : BF080460.D
 Acq On : 14 Jul 2015 10:57
 Operator : TP/UM
 Sample : G2954-03 2X
 Misc :
 ALS Vial : 31 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-E3

Quant Time: Jul 14 12:17:16 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Jul 11 05:35:30 2015
 Response via : Initial Calibration

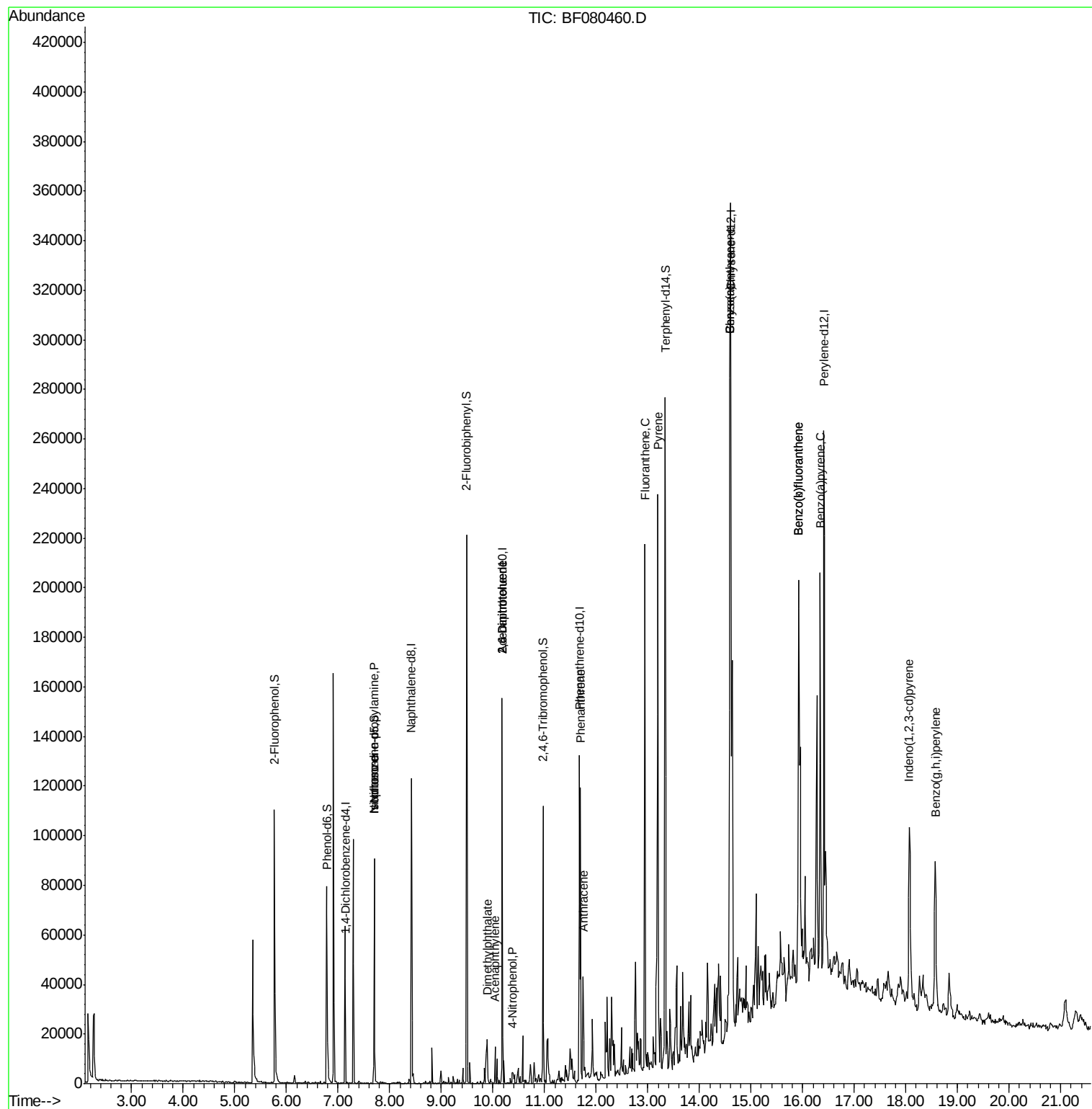
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	12081	20.00	ng	-0.01
21) Naphthalene-d8	8.42	136	51837	20.00	ng	-0.01
38) Acenaphthene-d10	10.18	164	27765	20.00	ng	-0.01
63) Phenanthrene-d10	11.68	188	57379	20.00	ng	-0.01
75) Chrysene-d12	14.60	240	110376	20.00	ng	0.07
86) Perylene-d12	16.41	264	111328	20.00	ng	0.13
System Monitoring Compounds						
5) 2-Fluorophenol	5.77	112	34792	49.35	ng	-0.02
7) Phenol-d6	6.78	99	44437	47.31	ng	-0.01
23) Nitrobenzene-d5	7.70	82	27702	30.48	ng	-0.01
41) 2,4,6-Tribromophenol	10.97	330	10163	37.50	ng	-0.02
44) 2-Fluorobiphenyl	9.49	172	62814	30.47	ng	-0.01
78) Terphenyl-d14	13.33	244	91363	17.98	ng	0.01
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.70	70	3230	5.03	ng	# 82
25) Isophorone	7.70	82	25740	15.80	ng	# 73
48) Acenaphthylene	10.04	152	7065	2.31	ng	98
49) Dimethylphthalate	9.89	163	10647	5.07	ng	99
50) 2,6-Dinitrotoluene	10.18	165	3250	6.90	ng	# 24
55) 4-Nitrophenol	10.38	139	576	6.42	ng	# 1
56) 2,4-Dinitrotoluene	10.18	165	3250	5.90	ng	# 9
70) Phenanthrene	11.70	178	48166	13.97	ng	99
71) Anthracene	11.74	178	21583	6.76	ng	98
74) Fluoranthene	12.95	202	117919	32.98	ng	98
77) Pyrene	13.20	202	120572	17.05	ng	98
80) Benzo(a)anthracene	14.59	228	84734	12.18	ng	95
82) Chrysene	14.59	228	84734	13.23	ng	98
85) Indeno(1,2,3-cd)pyrene	18.07	276	49068	6.17	ng	98
87) Benzo(b)fluoranthene	15.92	252	140862	18.22	ng	98
88) Benzo(k)fluoranthene	15.92	252	140862	22.28	ng	97
89) Benzo(a)pyrene	16.34	252	78725	11.62	ng	96
91) Benzo(g,h,i)perylene	18.57	276	51510	7.72	ng	95

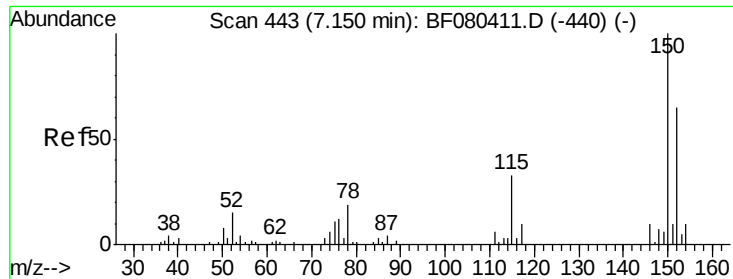
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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ALS Vial : 31 Sample Multiplier: 1

Instrument :
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Quant Time: Jul 14 12:17:16 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Jul 11 05:35:30 2015
Response via : Initial Calibration



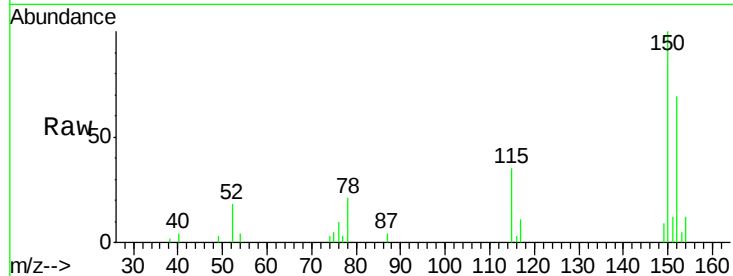


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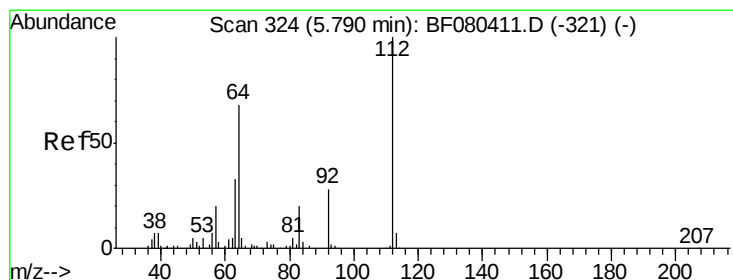
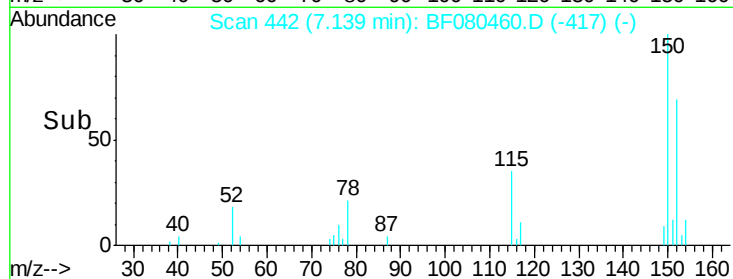
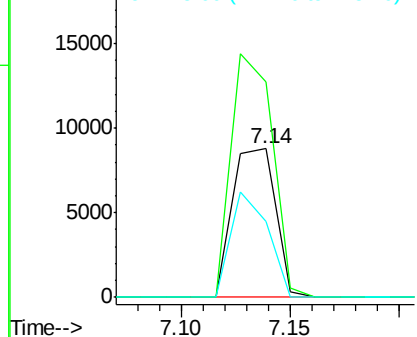
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.14 min Scan# 442
Delta R.T. -0.01 min
Lab File: BF080460.D
Acq: 14 Jul 2015 10:57

Instrument :
BNA_F
ClientSampleId :
TEC-E3

Tgt Ion:152 Resp: 12081
Ion Ratio Lower Upper
152 100
150 145.4 122.3 183.5
115 51.0 41.0 61.4



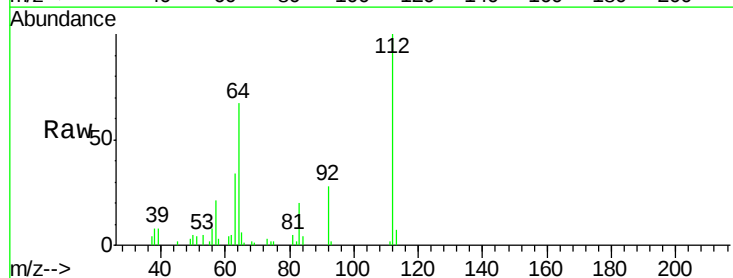
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



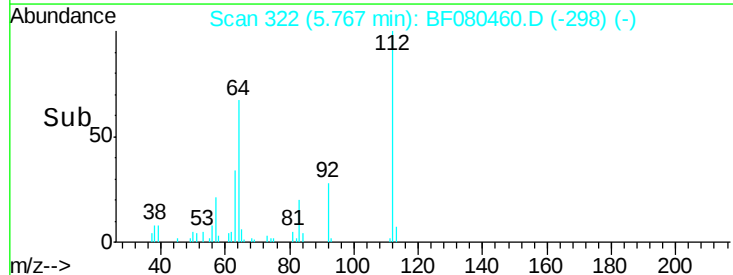
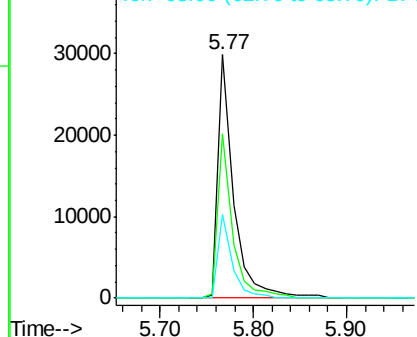
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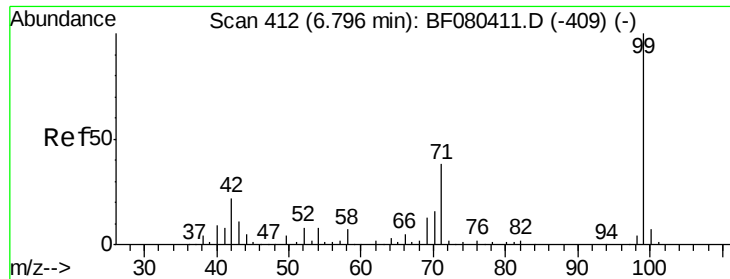
2-Fluorophenol
Concen: 49.35 ng
RT: 5.77 min Scan# 322
Delta R.T. -0.02 min
Lab File: BF080460.D
Acq: 14 Jul 2015 10:57

Tgt Ion:112 Resp: 34792
Ion Ratio Lower Upper
112 100
64 67.5 54.3 81.5
63 34.1 26.7 40.1



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: 47.31 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF080460.D

Acq: 14 Jul 2015 10:57

Instrument :

BNA_F

ClientSampleId :

TEC-E3

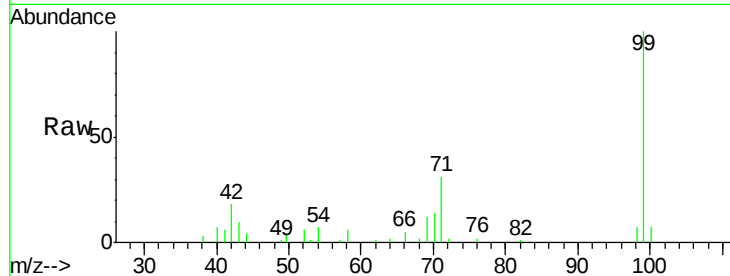
Tgt Ion: 99 Resp: 44437

Ion Ratio Lower Upper

99 100

42 17.7 17.9 26.9#

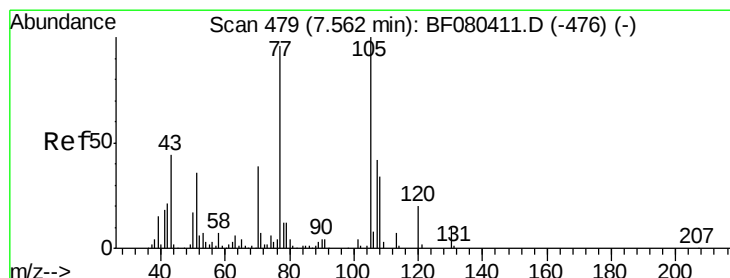
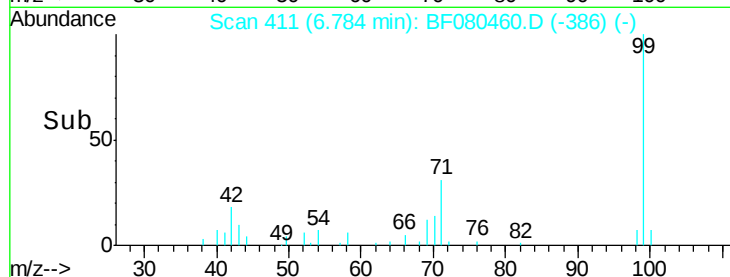
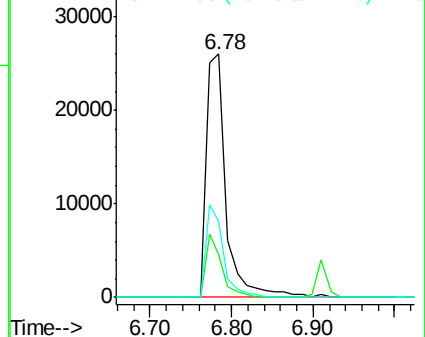
71 31.4 30.1 45.1



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#19

n-Nitroso-di-n-propylamine

Concen: 5.03 ng

RT: 7.70 min Scan# 491

Delta R.T. 0.14 min

Lab File: BF080460.D

Acq: 14 Jul 2015 10:57

Tgt Ion: 70 Resp: 3230

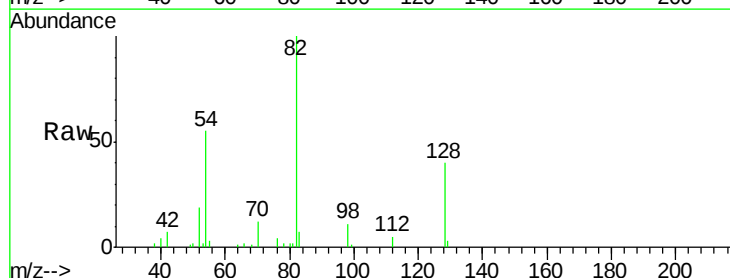
Ion Ratio Lower Upper

70 100

42 54.9 43.4 65.0

101 0.0 9.0 13.6#

130 0.0 19.5 29.3#

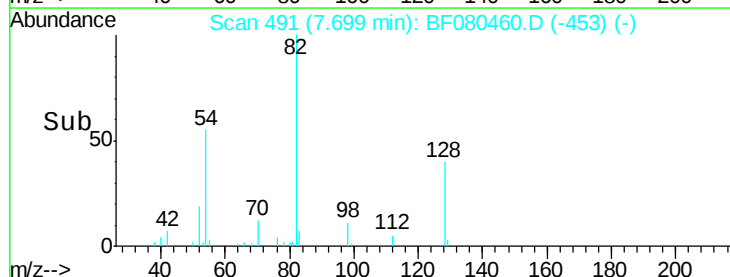
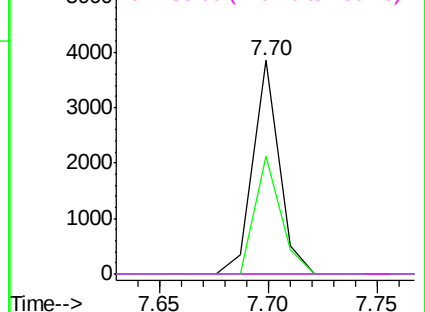


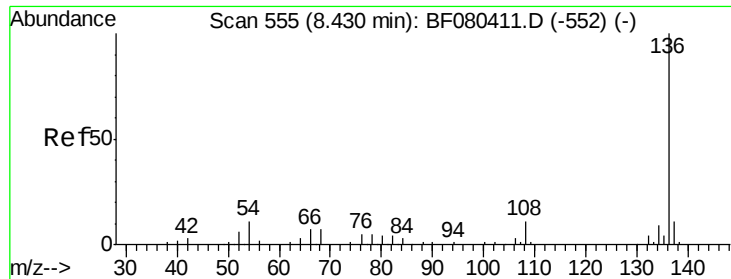
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): BF0

Ion 130.00 (129.70 to 130.70): BF0

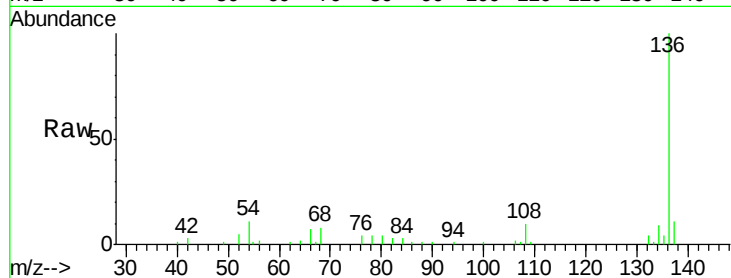




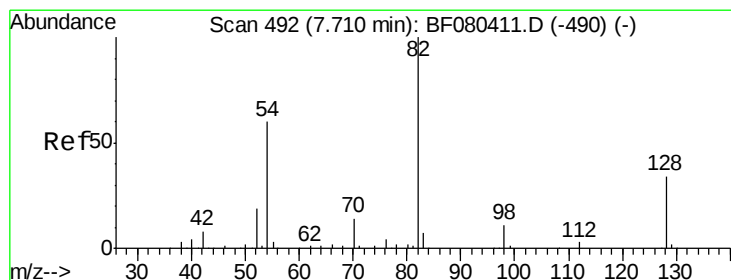
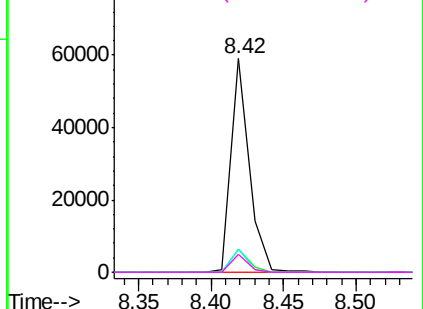
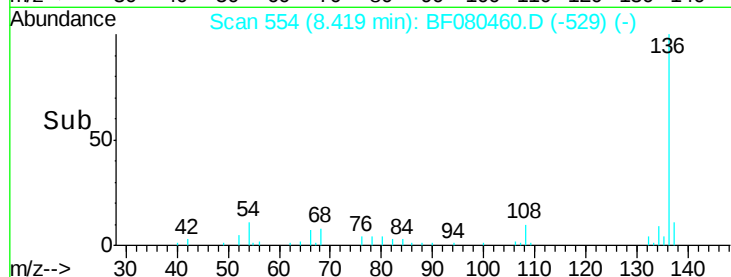
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.42 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF080460.D
Acq: 14 Jul 2015 10:57

Instrument :
BNA_F
ClientSampleId :
TEC-E3

Tgt Ion:	136	Resp:	51837
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.0	13.4
54	11.0	9.1	13.7
68	8.3	5.9	8.9

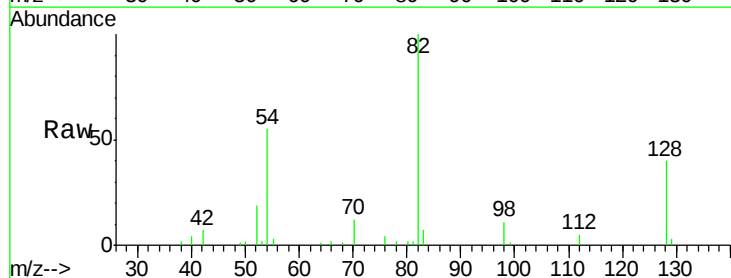


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

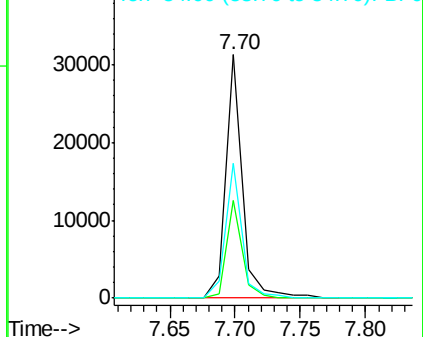
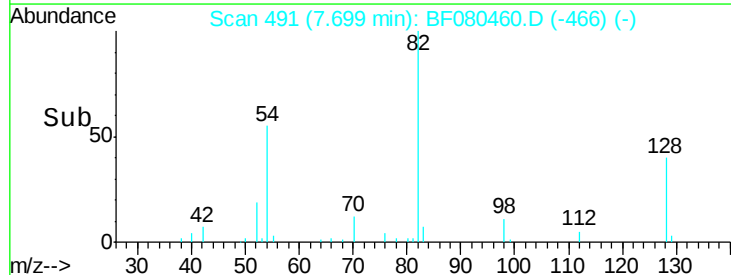


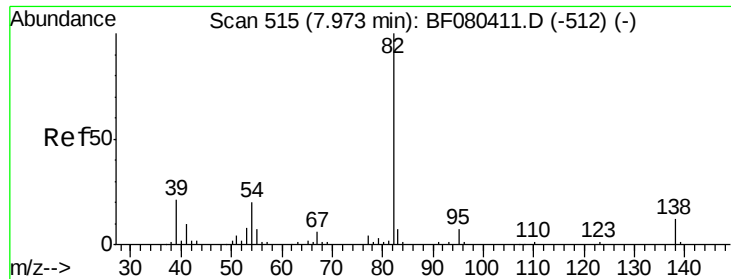
#23
Nitrobenzene-d5
Concen: 30.48 ng
RT: 7.70 min Scan# 491
Delta R.T. -0.01 min
Lab File: BF080460.D
Acq: 14 Jul 2015 10:57

Tgt Ion:	82	Resp:	27702
Ion	Ratio	Lower	Upper
82	100		
128	40.1	26.9	40.3
54	55.4	47.7	71.5



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





#25

Isophorone

Concen: 15.80 ng

RT: 7.70 min Scan# 491

Delta R.T. -0.27 min

Lab File: BF080460.D

Acq: 14 Jul 2015 10:57

Instrument :

BNA_F

ClientSampleId :

TEC-E3

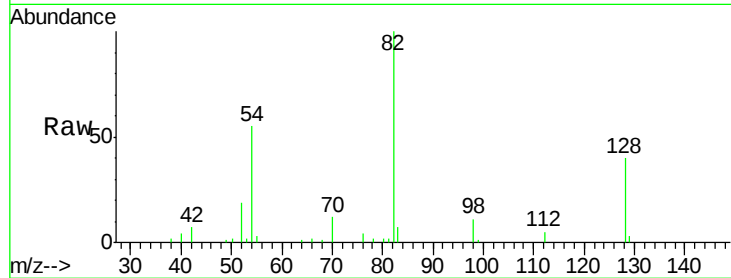
Tgt Ion: 82 Resp: 25740

Ion Ratio Lower Upper

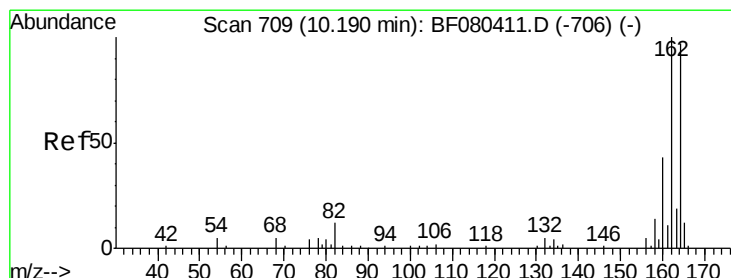
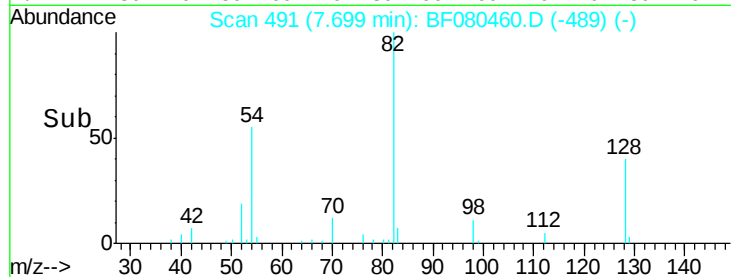
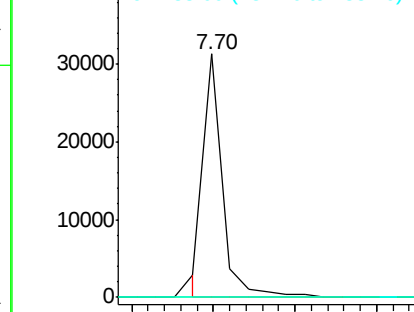
82 100

95 0.0 5.4 8.2#

138 0.0 9.5 14.3#



Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 95.00 (94.70 to 95.70): BF0
Ion 138.00 (137.70 to 138.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.18 min Scan# 708

Delta R.T. -0.01 min

Lab File: BF080460.D

Acq: 14 Jul 2015 10:57

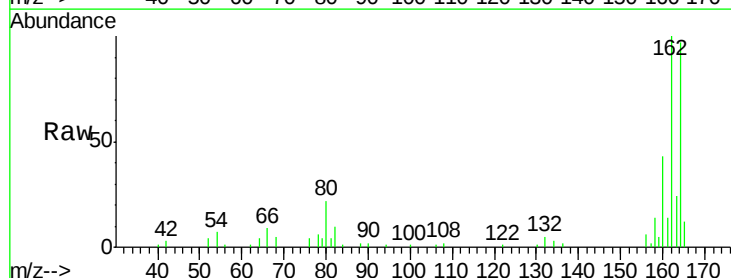
Tgt Ion: 164 Resp: 27765

Ion Ratio Lower Upper

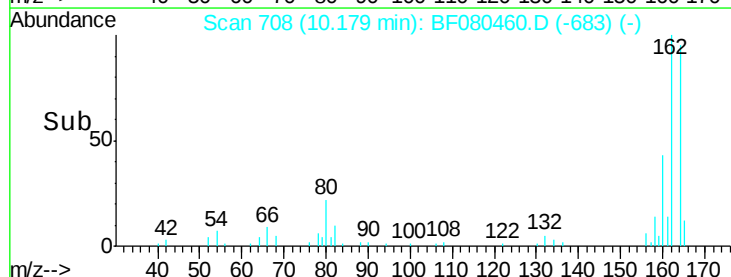
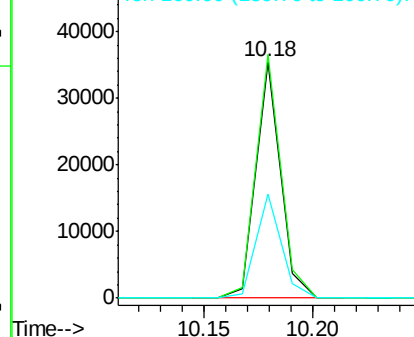
164 100

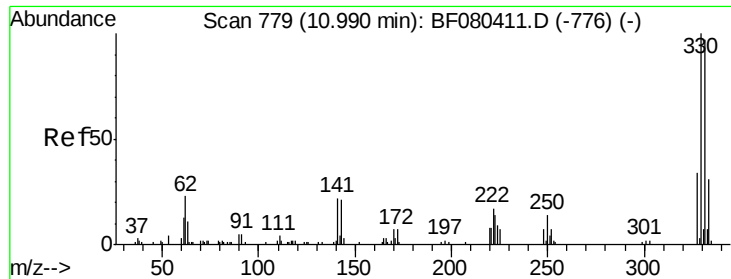
162 103.2 82.7 124.1

160 44.4 35.5 53.3



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

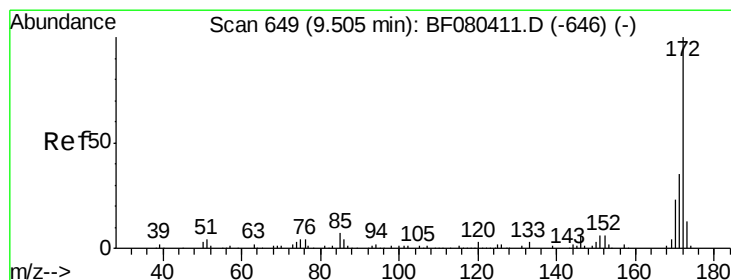
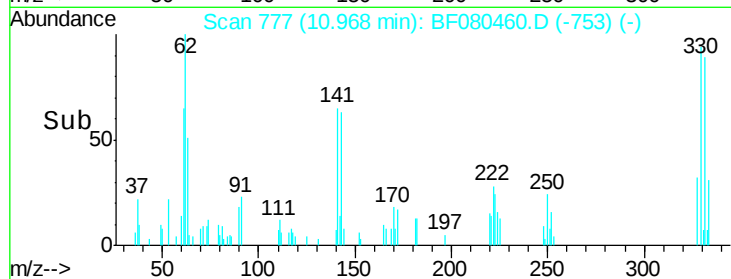
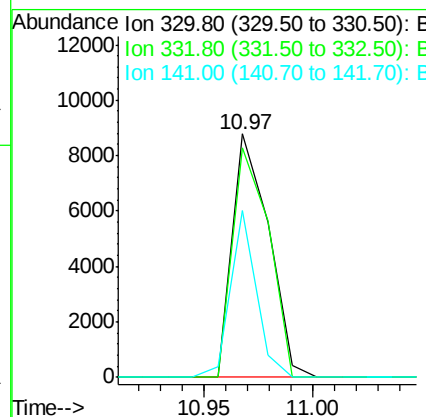
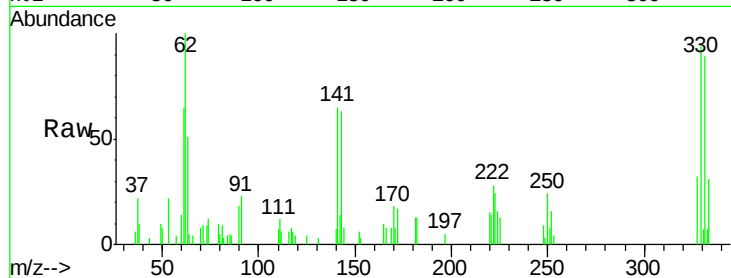




#41
 2,4,6-Tribromophenol
 Concen: 37.50 ng
 RT: 10.97 min Scan# 777
 Delta R.T. -0.02 min
 Lab File: BF080460.D
 Acq: 14 Jul 2015 10:57

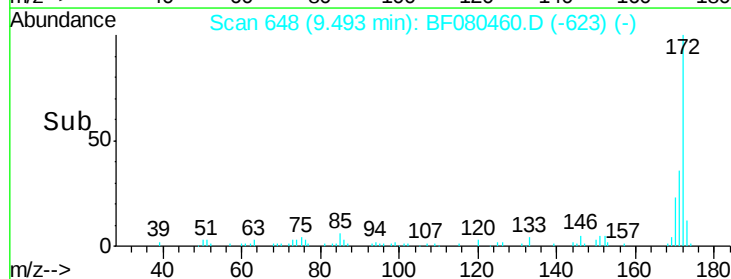
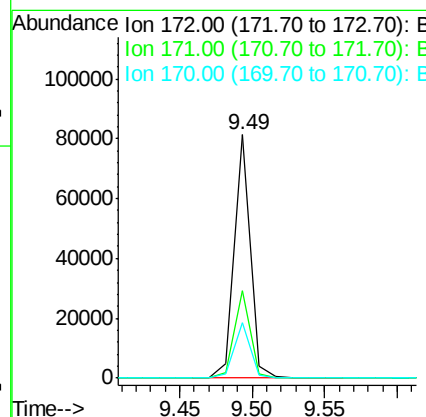
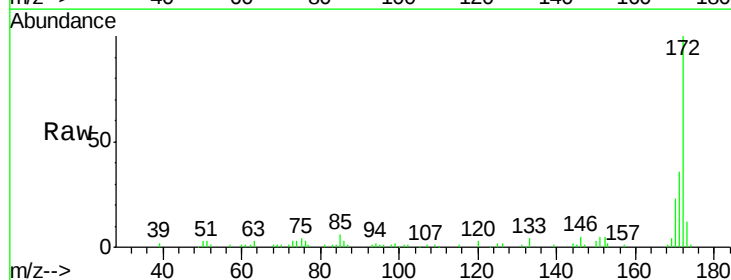
Instrument :
 BNA_F
 ClientSampleId :
 TEC-E3

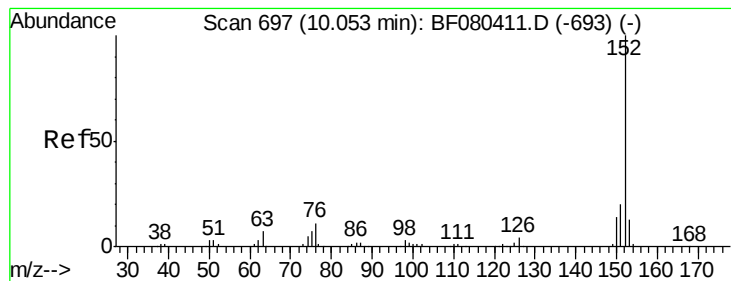
Tgt Ion:330 Resp: 10163
 Ion Ratio Lower Upper
 330 100
 332 94.1 78.0 117.0
 141 48.6 28.6 43.0#



#44
 2-Fluorobiphenyl
 Concen: 30.47 ng
 RT: 9.49 min Scan# 648
 Delta R.T. -0.01 min
 Lab File: BF080460.D
 Acq: 14 Jul 2015 10:57

Tgt Ion:172 Resp: 62814
 Ion Ratio Lower Upper
 172 100
 171 36.0 28.4 42.6
 170 22.9 18.6 28.0





#48

Acenaphthylene

Concen: 2.31 ng

RT: 10.04 min Scan# 696

Delta R.T. -0.01 min

Lab File: BF080460.D

Acq: 14 Jul 2015 10:57

Instrument :

BNA_F

ClientSampled :

TEC-E3

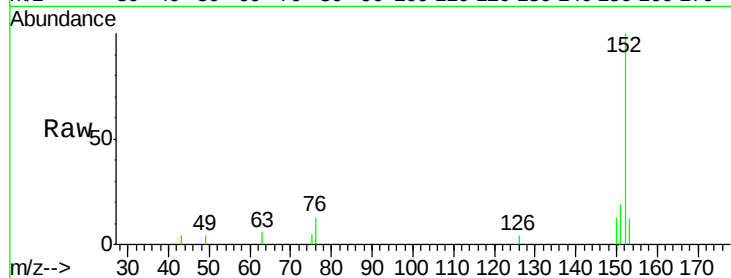
Tgt Ion:152 Resp: 7065

Ion Ratio Lower Upper

152 100

151 18.9 15.8 23.8

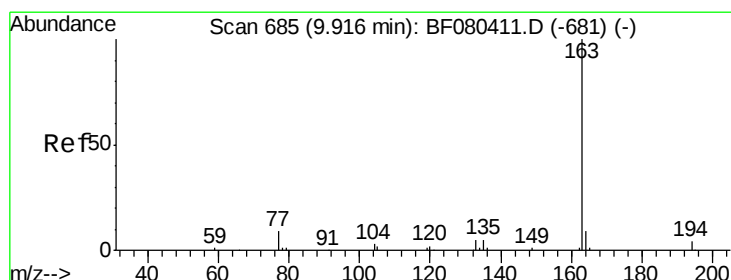
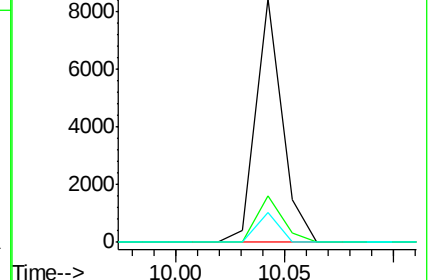
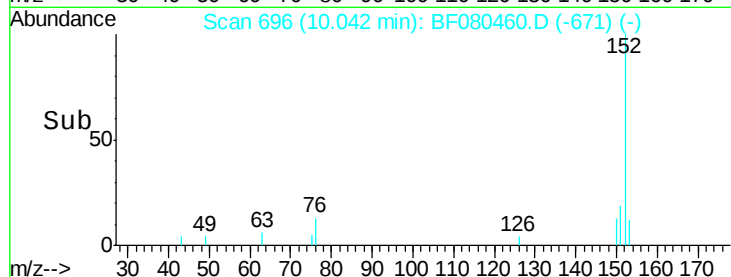
153 12.4 10.2 15.4



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



#49

Dimethylphthalate

Concen: 5.07 ng

RT: 9.89 min Scan# 683

Delta R.T. -0.02 min

Lab File: BF080460.D

Acq: 14 Jul 2015 10:57

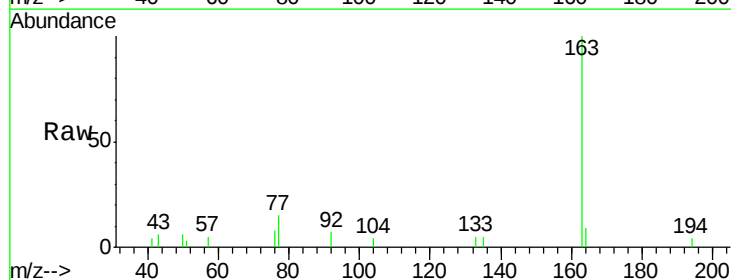
Tgt Ion:163 Resp: 10647

Ion Ratio Lower Upper

163 100

194 3.8 3.4 5.2

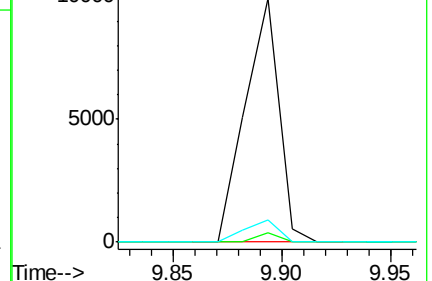
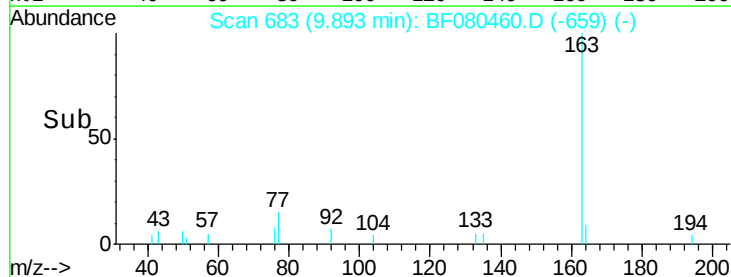
164 8.9 7.4 11.0

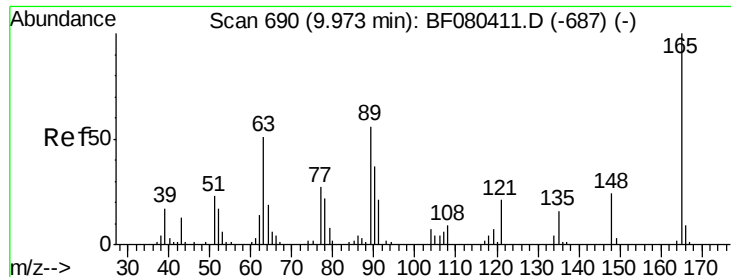


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

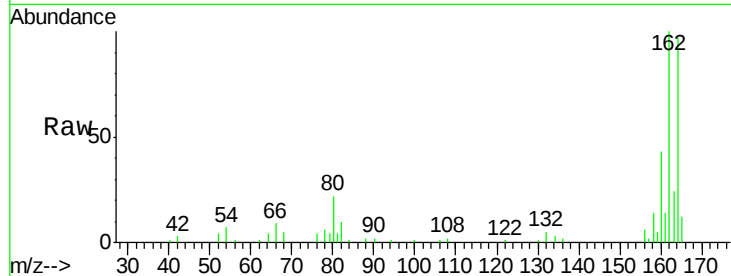




#50
 2,6-Dinitrotoluene
 Concen: 6.90 ng
 RT: 10.18 min Scan# 708
 Delta R.T. 0.21 min
 Lab File: BF080460.D
 Acq: 14 Jul 2015 10:57

Instrument :
 BNA_F
 ClientSampleId :
 TEC-E3

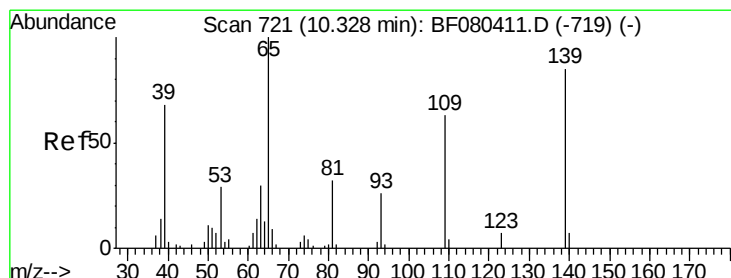
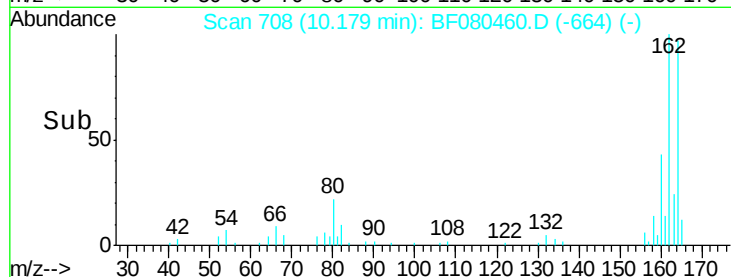
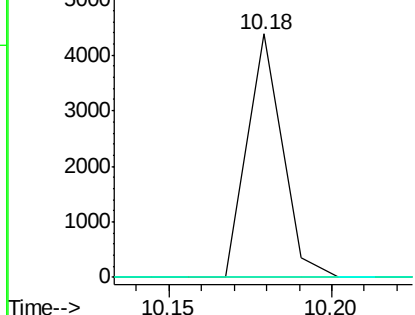
Tgt Ion	Ratio	Lower	Upper
165	100		
63	0.0	44.5	66.7#
89	0.0	44.5	66.7#



Abundance Ion 165.00 (164.70 to 165.70): E

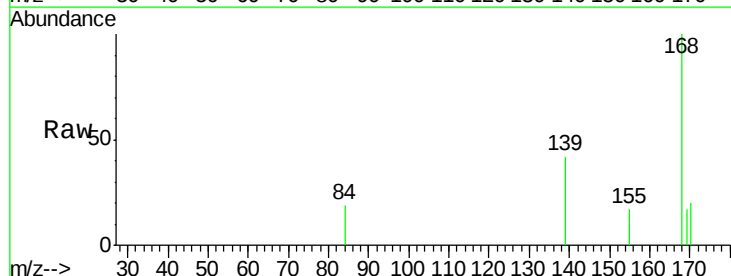
Ion 63.00 (62.70 to 63.70): BF0

Ion 89.00 (88.70 to 89.70): BF0



#55
 4-Nitrophenol
 Concen: 6.42 ng
 RT: 10.38 min Scan# 726
 Delta R.T. 0.06 min
 Lab File: BF080460.D
 Acq: 14 Jul 2015 10:57

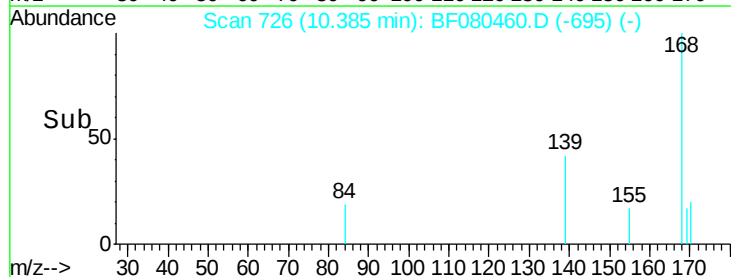
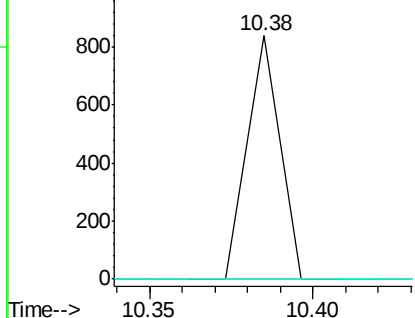
Tgt Ion	Ratio	Lower	Upper
139	100		
109	0.0	54.6	94.6#
65	0.0	97.8	137.8#

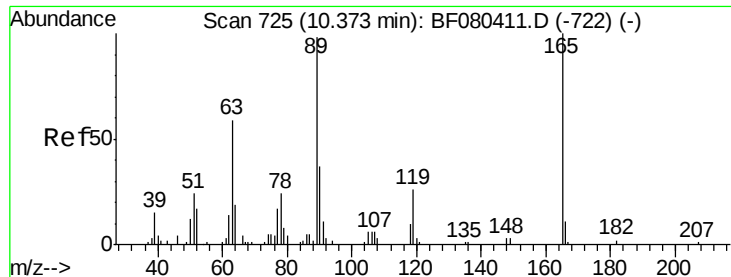


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

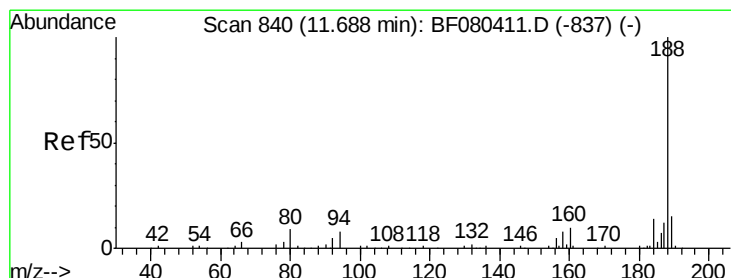
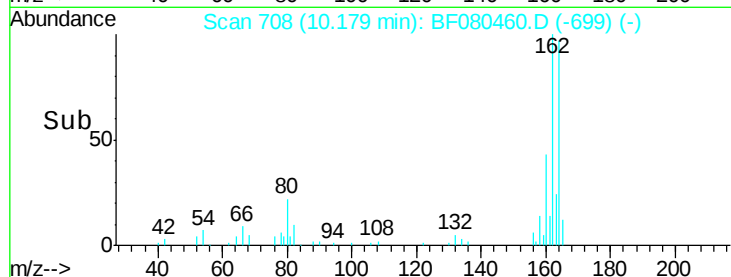
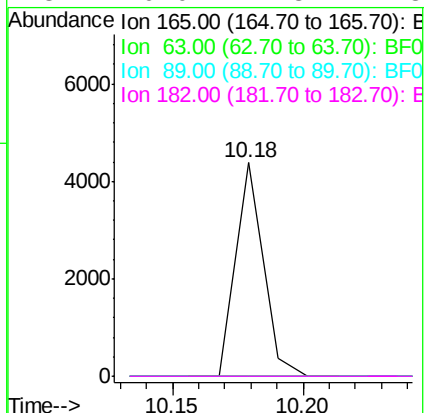
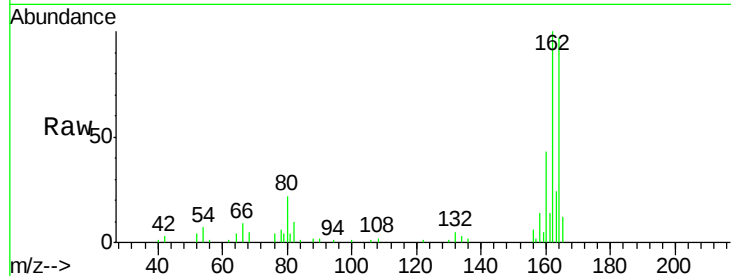




#56
2,4-Dinitrotoluene
Concen: 5.90 ng
RT: 10.18 min Scan# 708
Delta R.T. -0.19 min
Lab File: BF080460.D
Acq: 14 Jul 2015 10:57

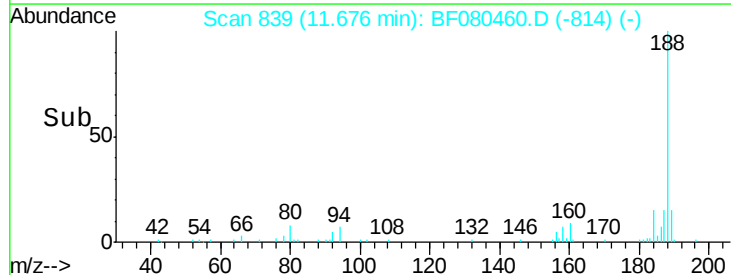
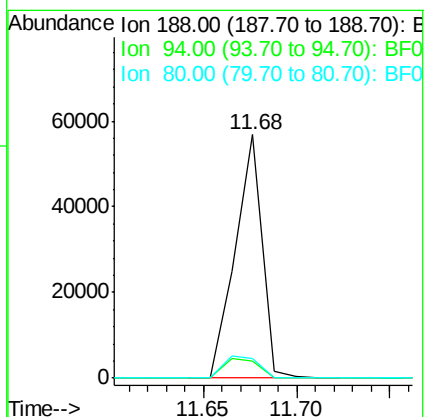
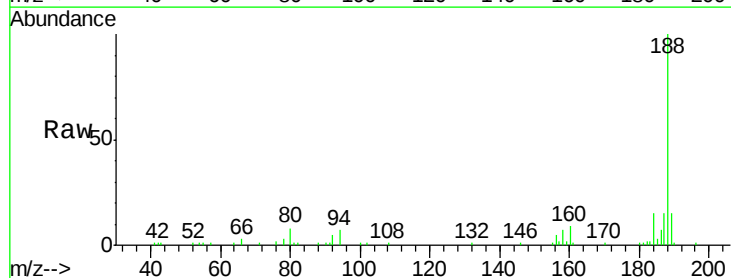
Instrument :
BNA_F
ClientSampleId :
TEC-E3

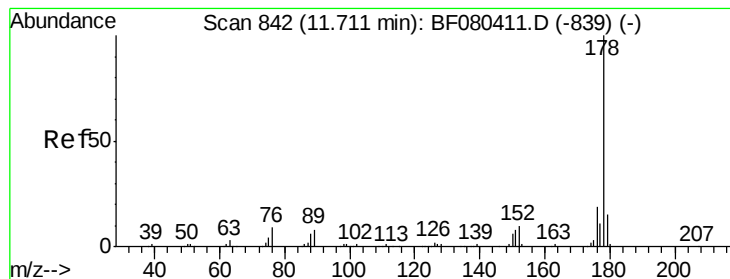
Tgt Ion:165 Resp: 3250
Ion Ratio Lower Upper
165 100
63 0.0 51.7 77.5#
89 0.0 78.6 117.8#
182 0.0 1.8 2.8#



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.68 min Scan# 839
Delta R.T. -0.01 min
Lab File: BF080460.D
Acq: 14 Jul 2015 10:57

Tgt Ion:188 Resp: 57379
Ion Ratio Lower Upper
188 100
94 7.0 6.7 10.1
80 8.2 7.5 11.3





#70

Phenanthrene

Concen: 13.97 ng

RT: 11.70 min Scan# 841

Delta R.T. -0.01 min

Lab File: BF080460.D

Acq: 14 Jul 2015 10:57

Instrument :

BNA_F

ClientSampleId :

TEC-E3

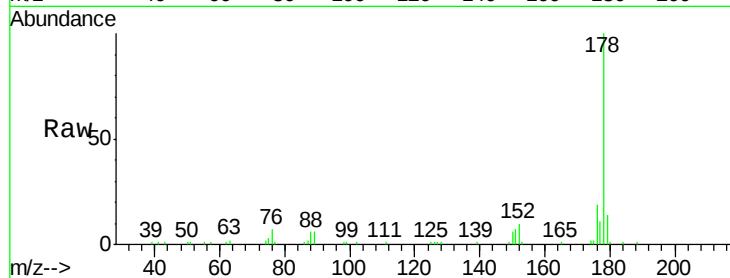
Tgt Ion:178 Resp: 48166

Ion Ratio Lower Upper

178 100

176 19.0 15.2 22.8

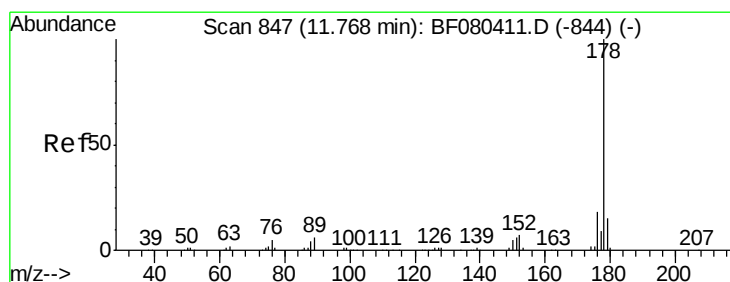
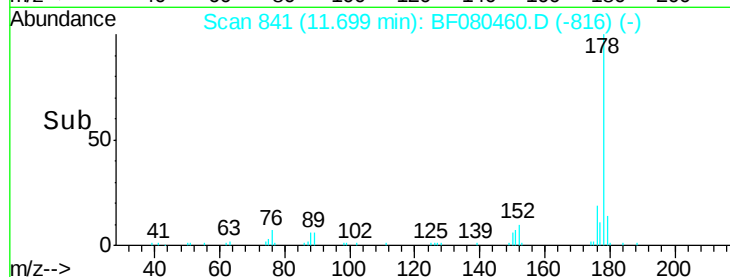
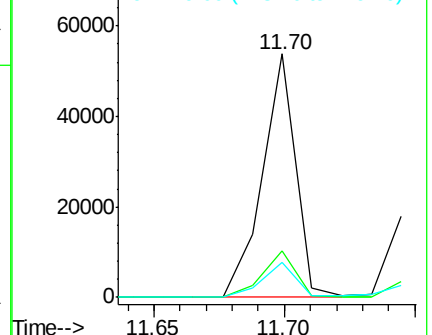
179 14.4 12.4 18.6



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



#71

Anthracene

Concen: 6.76 ng

RT: 11.74 min Scan# 845

Delta R.T. -0.02 min

Lab File: BF080460.D

Acq: 14 Jul 2015 10:57

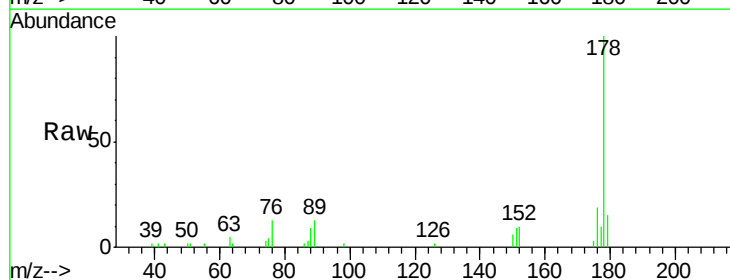
Tgt Ion:178 Resp: 21583

Ion Ratio Lower Upper

178 100

176 18.9 14.2 21.4

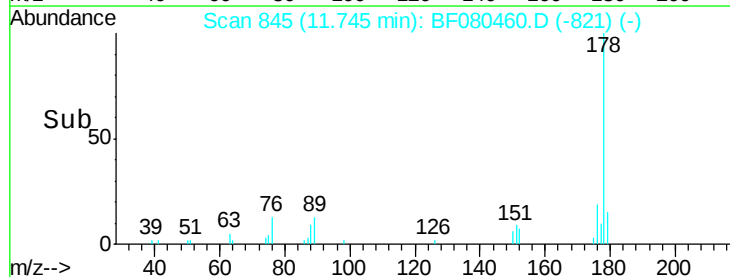
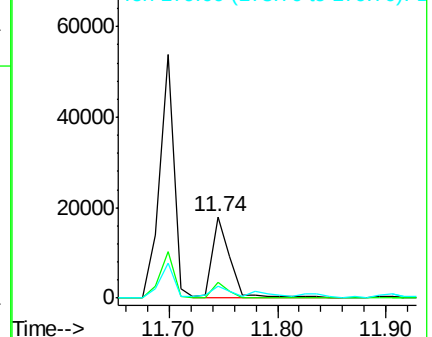
179 14.9 11.6 17.4

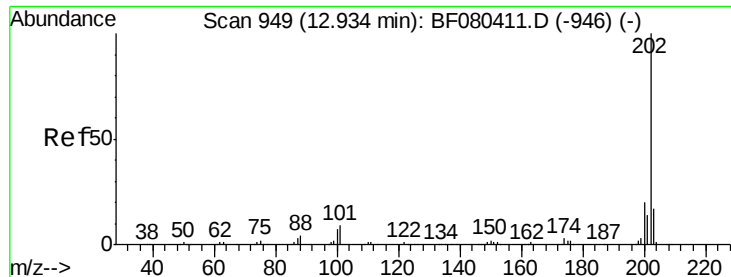


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E

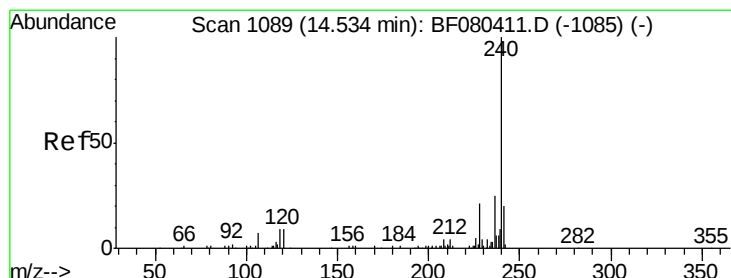
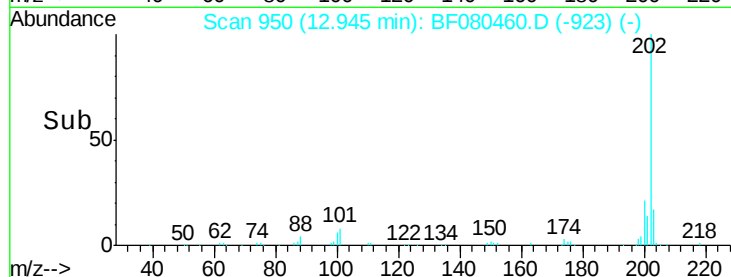
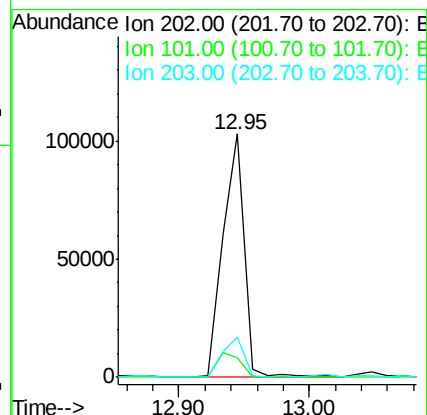
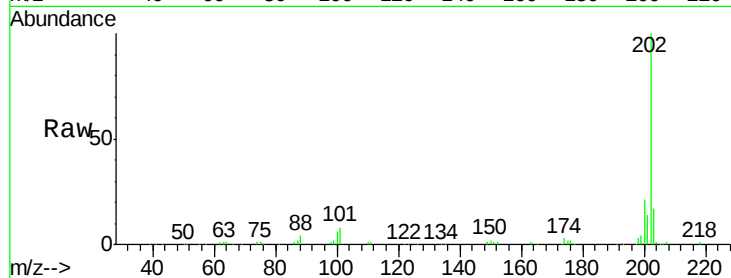




#74
 Fluoranthene
 Concen: 32.98 ng
 RT: 12.95 min Scan# 950
 Delta R.T. 0.01 min
 Lab File: BF080460.D
 Acq: 14 Jul 2015 10:57

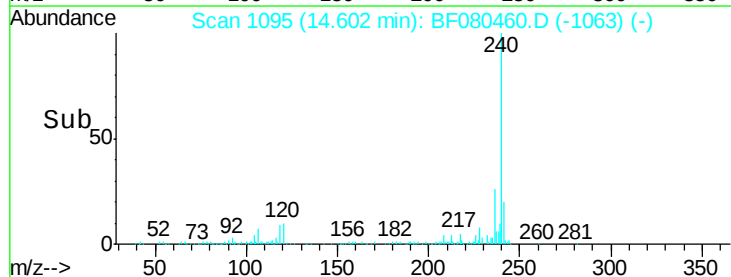
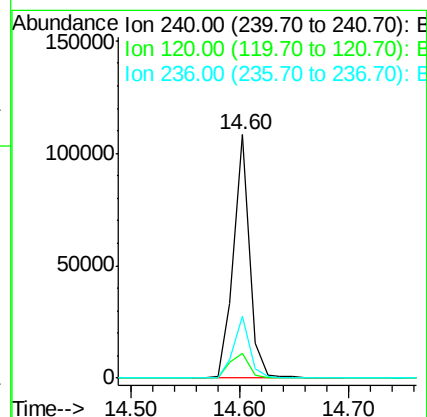
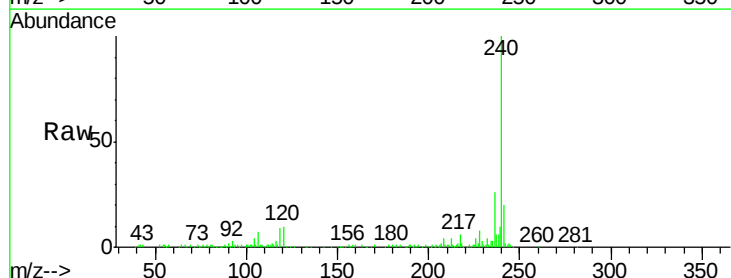
Instrument :
 BNA_F
 ClientSampleId :
 TEC-E3

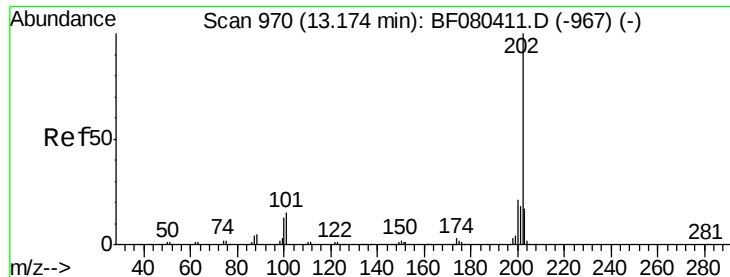
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.1	0.0	28.8
203	16.7	0.0	37.3



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.60 min Scan# 1095
 Delta R.T. 0.07 min
 Lab File: BF080460.D
 Acq: 14 Jul 2015 10:57

Tgt Ion	Ratio	Lower	Upper
240	100		
120	9.9	7.4	11.2
236	25.6	19.7	29.5





#77

Pyrene

Concen: 17.05 ng

RT: 13.20 min Scan# 972

Delta R.T. 0.02 min

Lab File: BF080460.D

Acq: 14 Jul 2015 10:57

Instrument :

BNA_F

ClientSampleId :

TEC-E3

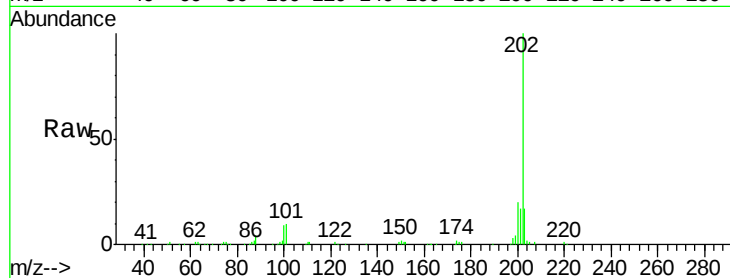
Tgt Ion:202 Resp: 120572

Ion Ratio Lower Upper

202 100

200 20.4 17.0 25.6

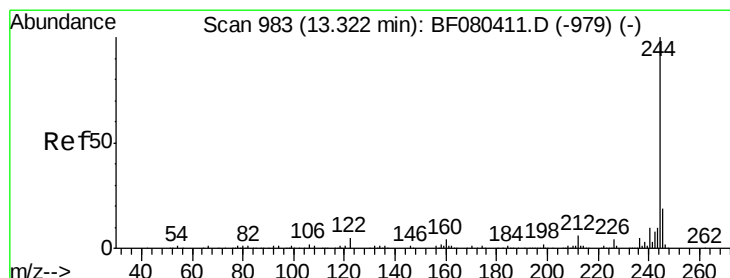
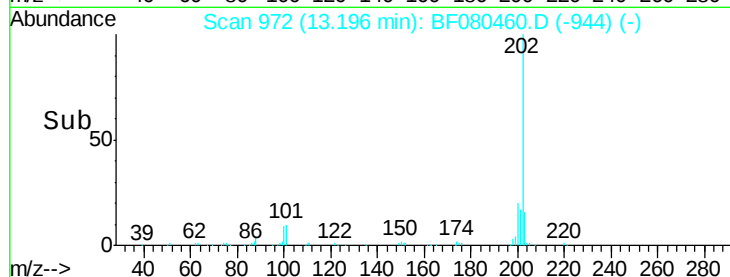
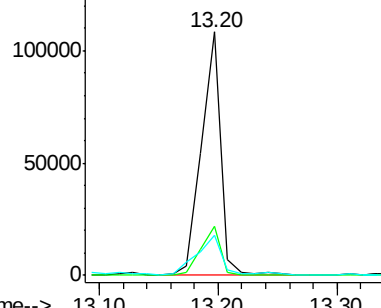
203 16.6 13.8 20.8



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: 17.98 ng

RT: 13.33 min Scan# 984

Delta R.T. 0.01 min

Lab File: BF080460.D

Acq: 14 Jul 2015 10:57

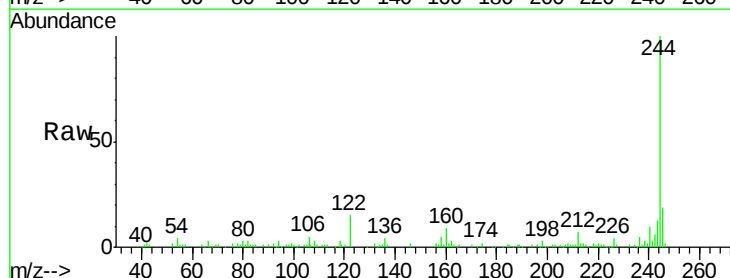
Tgt Ion:244 Resp: 91363

Ion Ratio Lower Upper

244 100

212 7.2 4.9 7.3

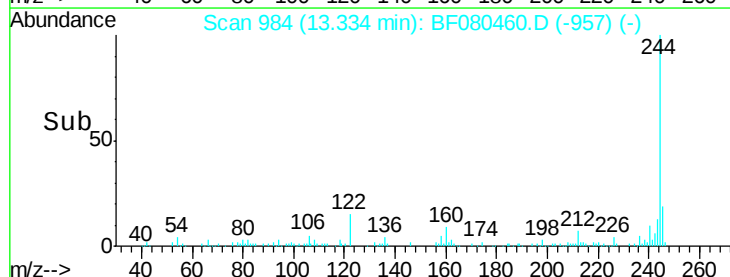
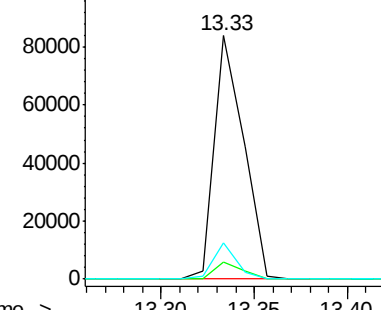
122 14.9 4.1 6.1#

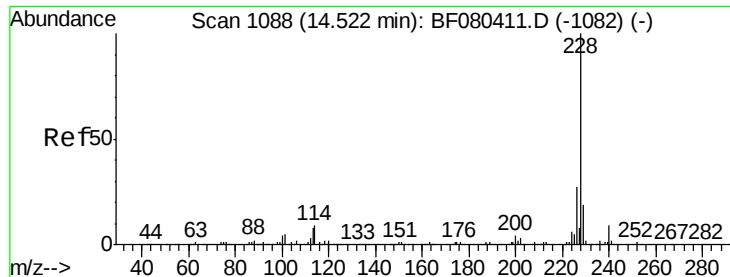


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 12.18 ng

RT: 14.59 min Scan# 1094

Delta R.T. 0.07 min

Lab File: BF080460.D

Acq: 14 Jul 2015 10:57

Instrument :

BNA_F

ClientSampleId :

TEC-E3

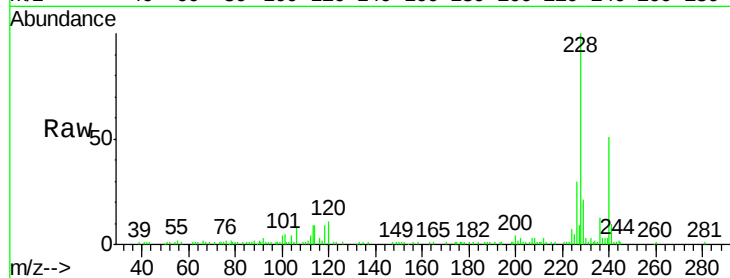
Tgt Ion:228 Resp: 84734

Ion Ratio Lower Upper

228 100

226 29.9 21.7 32.5

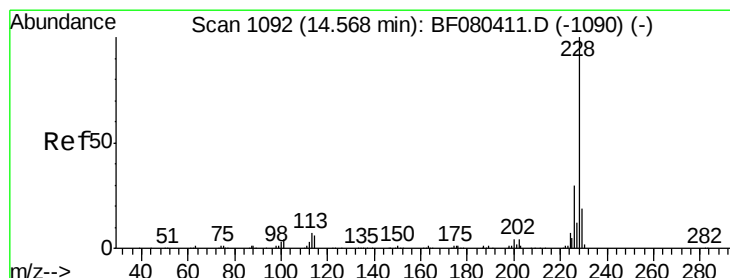
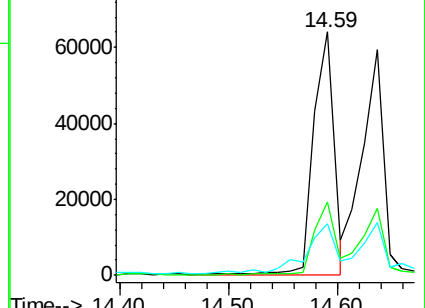
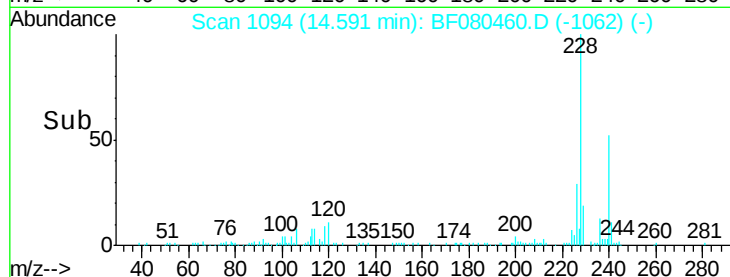
229 21.1 15.5 23.3



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: 13.23 ng

RT: 14.59 min Scan# 1094

Delta R.T. 0.02 min

Lab File: BF080460.D

Acq: 14 Jul 2015 10:57

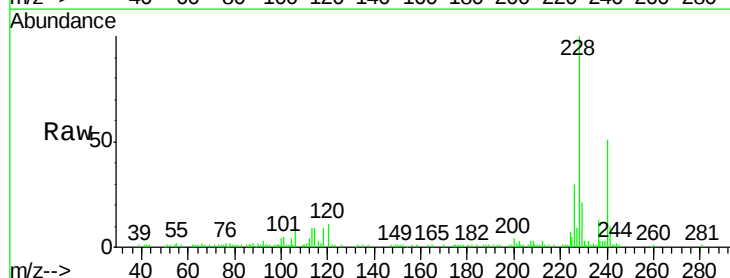
Tgt Ion:228 Resp: 84734

Ion Ratio Lower Upper

228 100

226 29.9 24.3 36.5

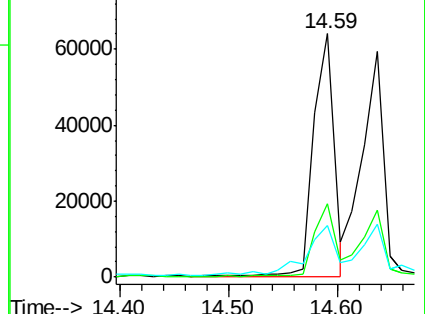
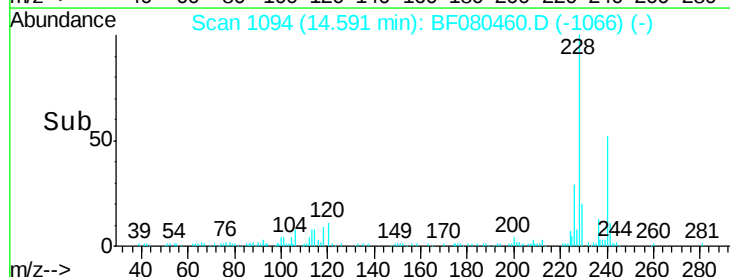
229 21.1 15.5 23.3

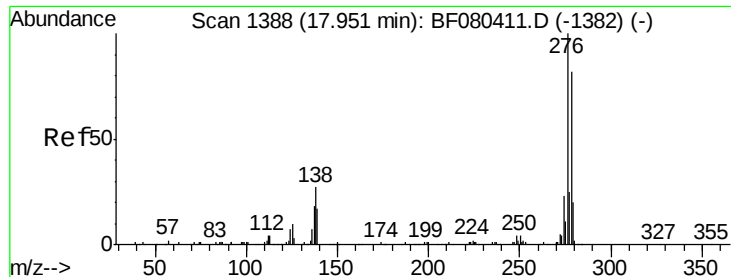


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

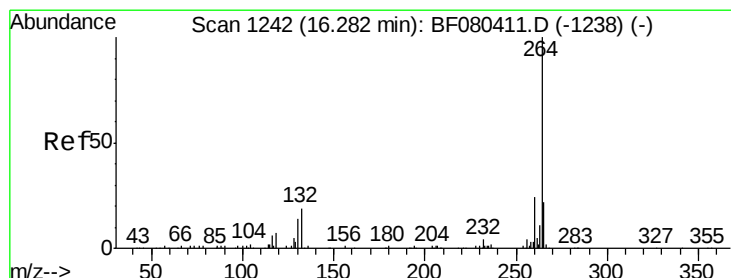
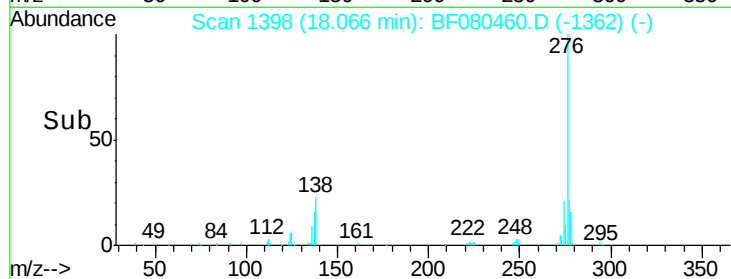
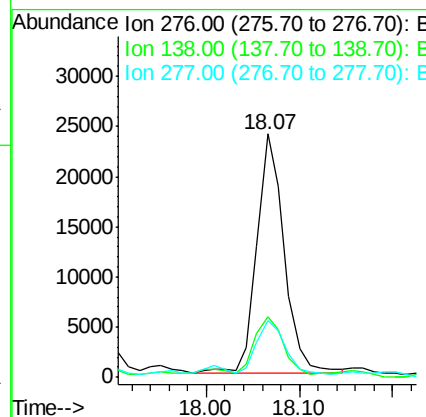
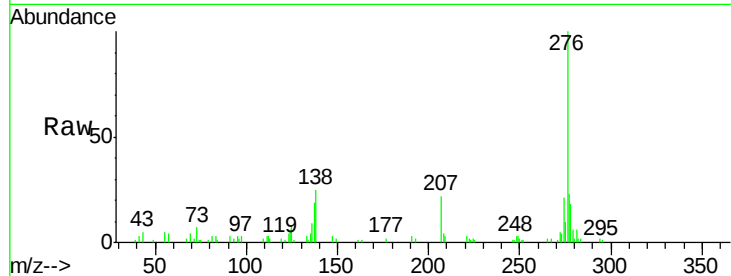




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 6.17 ng
 RT: 18.07 min Scan# 1398
 Delta R.T. 0.11 min
 Lab File: BF080460.D
 Acq: 14 Jul 2015 10:57

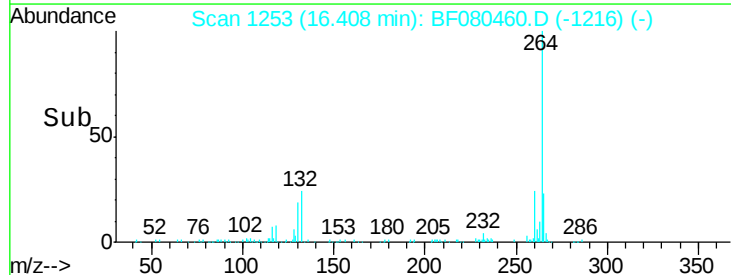
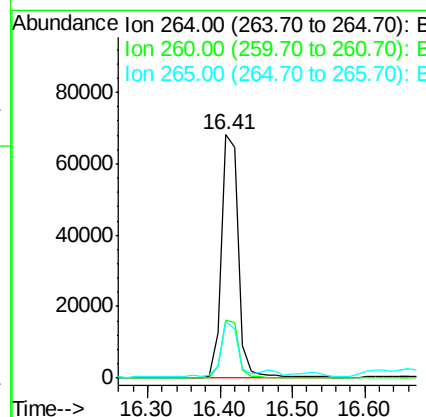
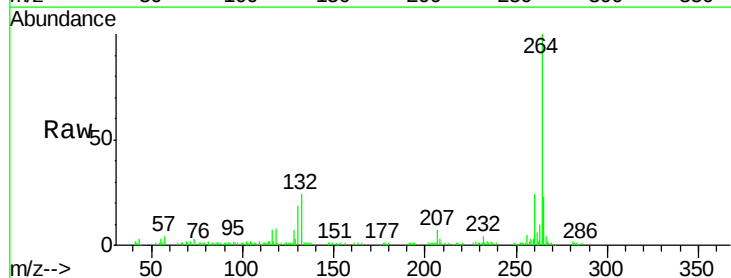
Instrument :
 BNA_F
 ClientSampleId :
 TEC-E3

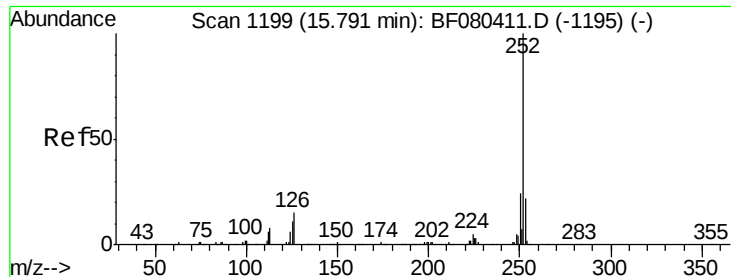
Tgt Ion: 276 Resp: 49068
 Ion Ratio Lower Upper
 276 100
 138 25.9 21.4 32.0
 277 22.9 19.5 29.3



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.41 min Scan# 1253
 Delta R.T. 0.13 min
 Lab File: BF080460.D
 Acq: 14 Jul 2015 10:57

Tgt Ion: 264 Resp: 111328
 Ion Ratio Lower Upper
 264 100
 260 24.0 19.4 29.2
 265 23.3 17.8 26.8

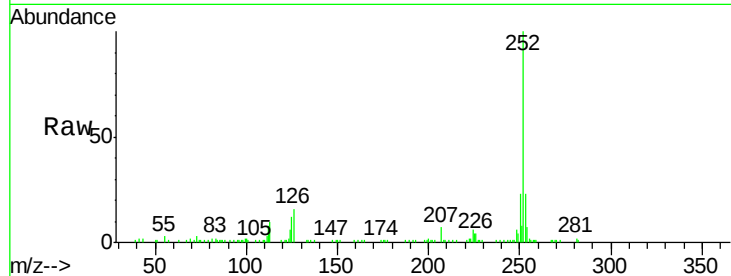




#87
Benzo(b)fluoranthene
Concen: 18.22 ng
RT: 15.92 min Scan# 1210
Delta R.T. 0.13 min
Lab File: BF080460.D
Acq: 14 Jul 2015 10:57

Instrument :
BNA_F
ClientSampleId :
TEC-E3

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.8	26.8
125	12.5	8.6	12.8

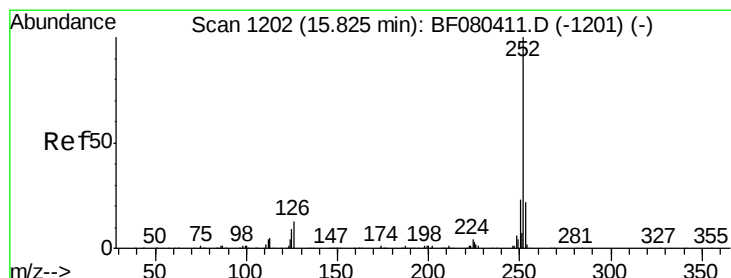
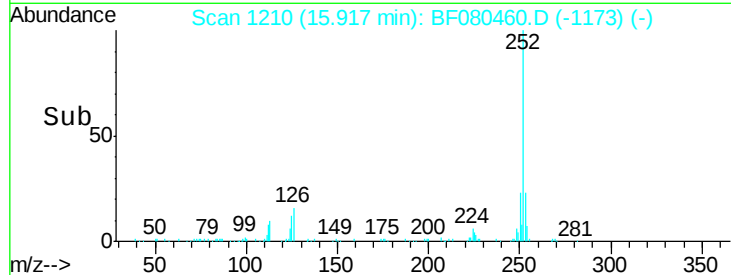
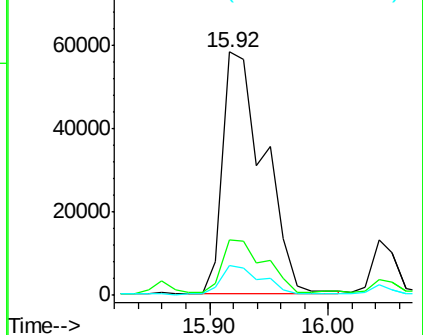


Abundance

Ion 252.00 (251.70 to 252.70): E

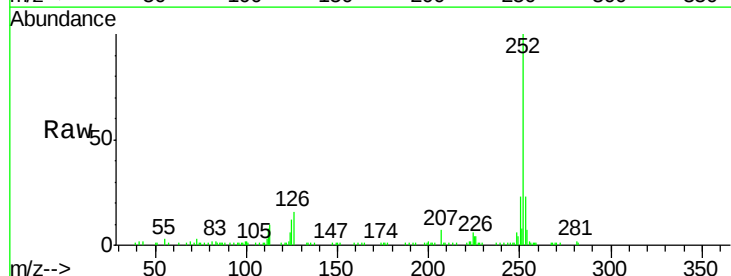
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E



#88
Benzo(k)fluoranthene
Concen: 22.28 ng
RT: 15.92 min Scan# 1210
Delta R.T. 0.09 min
Lab File: BF080460.D
Acq: 14 Jul 2015 10:57

Tgt Ion	Ratio	Lower	Upper
252	100		
253	22.8	17.7	26.5
125	12.5	8.4	12.6

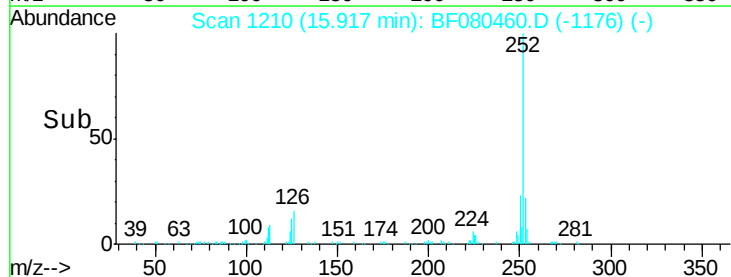
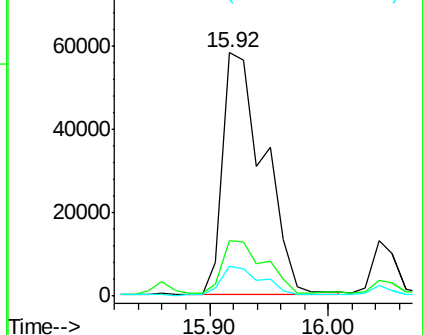


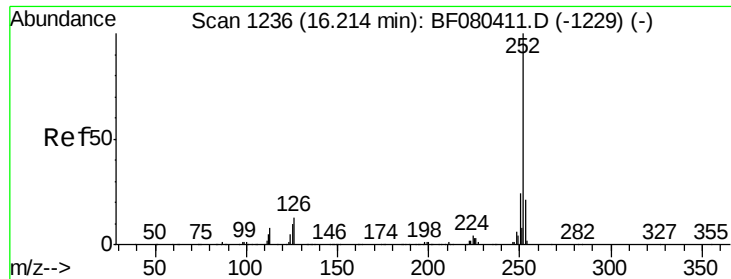
Abundance

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





#89

Benzo(a)pyrene

Concen: 11.62 ng

RT: 16.34 min Scan# 1247

Delta R.T. 0.13 min

Lab File: BF080460.D

Acq: 14 Jul 2015 10:57

Instrument :

BNA_F

ClientSampleId :

TEC-E3

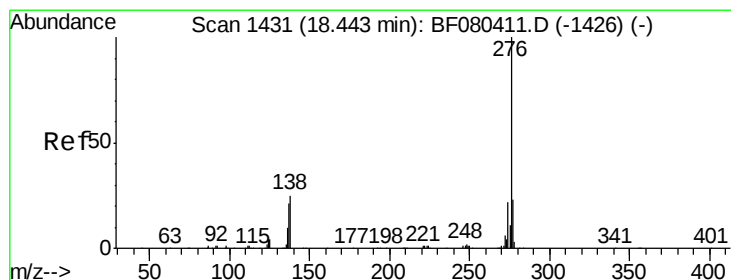
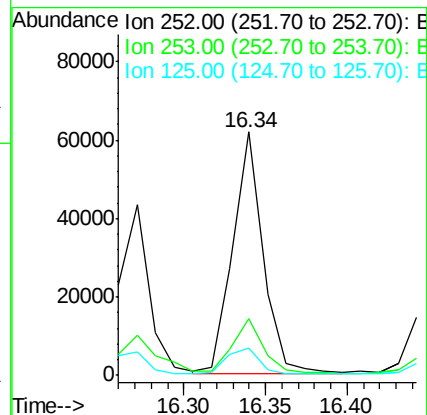
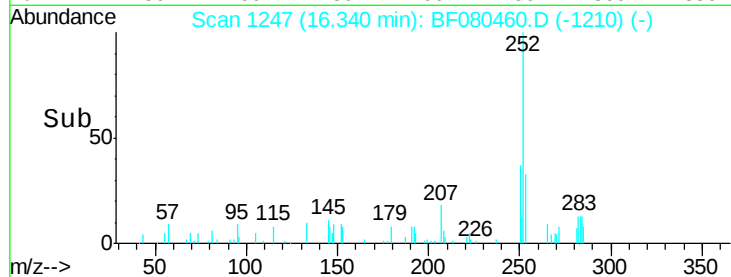
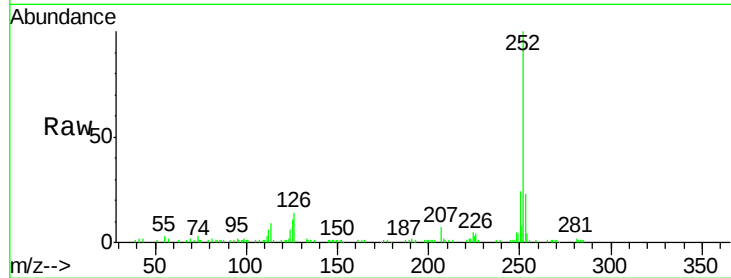
Tgt Ion:252 Resp: 78725

Ion Ratio Lower Upper

252 100

253 23.4 17.0 25.6

125 11.4 8.1 12.1



#91

Benzo(g,h,i)perylene

Concen: 7.72 ng

RT: 18.57 min Scan# 1442

Delta R.T. 0.13 min

Lab File: BF080460.D

Acq: 14 Jul 2015 10:57

Tgt Ion:276 Resp: 51510

Ion Ratio Lower Upper

276 100

277 25.3 18.2 27.4

138 27.5 20.3 30.5

