

Data Path : Z:\HPCHEM1\BNA_F\Data\BF071315\
 Data File : BF080462.D
 Acq On : 14 Jul 2015 11:55
 Operator : TP/UM
 Sample : G2954-17 5X
 Misc :
 ALS Vial : 33 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B1

Quant Time: Jul 14 13:13:45 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	7.13	152	17354	20.00	ng	-0.02
21) Naphthalene-d8	8.42	136	79029	20.00	ng	-0.01
38) Acenaphthene-d10	10.18	164	42346	20.00	ng	-0.01
63) Phenanthrene-d10	11.68	188	88368	20.00	ng	-0.01
75) Chrysene-d12	14.57	240	124082	20.00	ng	0.03
86) Perylene-d12	16.34	264	111107	20.00	ng	0.06

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	5.77	112	20442	20.19	ng	-0.02
7) Phenol-d6	6.78	99	26961	19.98	ng	-0.01
23) Nitrobenzene-d5	7.70	82	16107	11.62	ng	-0.01
41) 2,4,6-Tribromophenol	10.97	330	6634	16.05	ng	-0.02
44) 2-Fluorobiphenyl	9.49	172	40280	12.81	ng	-0.01
78) Terphenyl-d14	13.32	244	59885	10.48	ng	0.00

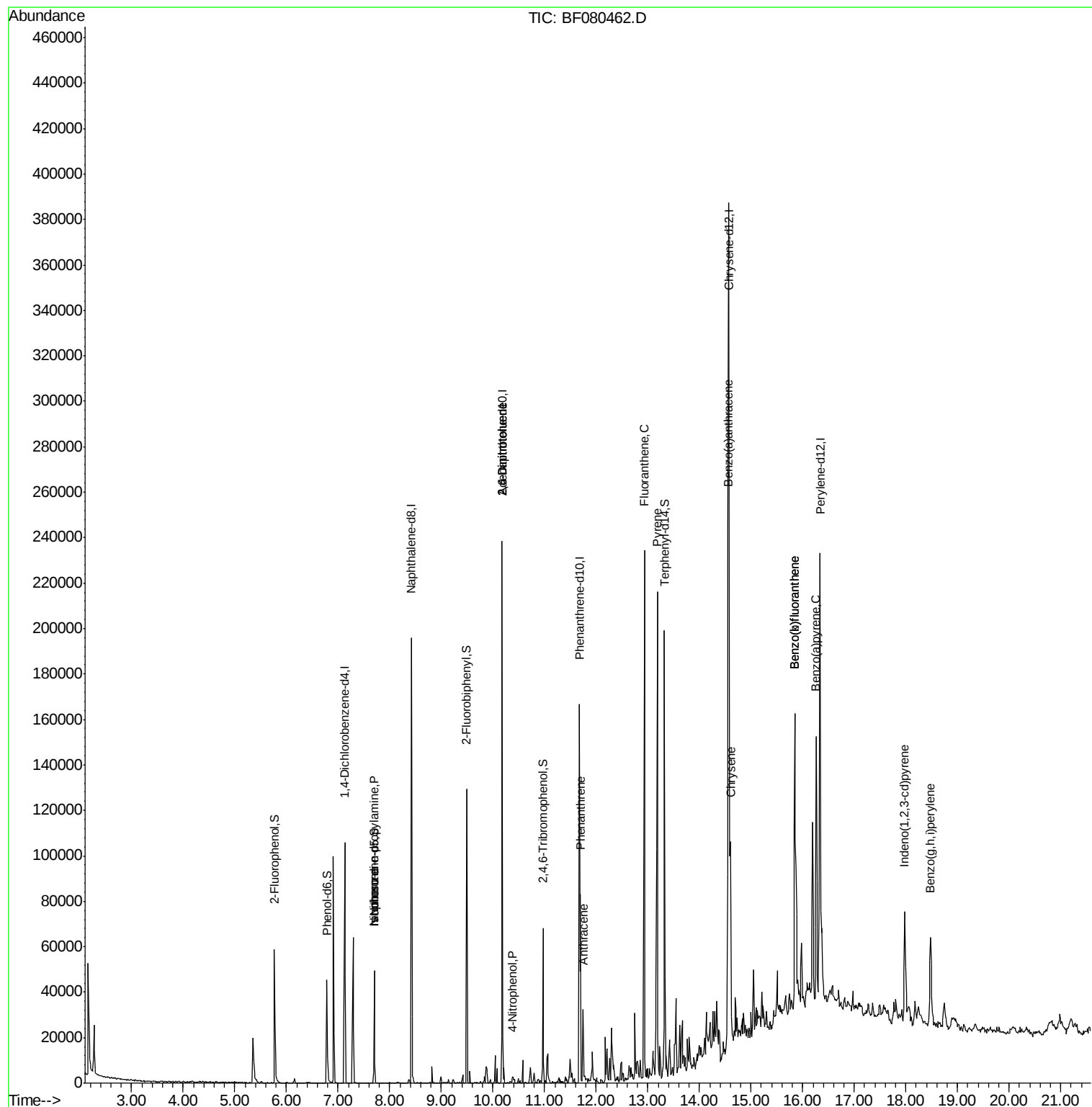
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
19) n-Nitroso-di-n-propylamine	7.70	70	2059	2.23	ng	# 82
25) Isophorone	7.70	82	14681	5.91	ng	# 73
50) 2,6-Dinitrotoluene	10.18	165	5521	7.68	ng	# 24
55) 4-Nitrophenol	10.38	139	533	5.85	ng	# 1
56) 2,4-Dinitrotoluene	10.18	165	5520	6.57	ng	# 9
70) Phenanthrene	11.70	178	39158	7.38	ng	100
71) Anthracene	11.75	178	15034	3.06	ng	98
74) Fluoranthene	12.93	202	103842	18.86	ng	100
77) Pyrene	13.19	202	102067	12.84	ng	99
80) Benzo(a)anthracene	14.56	228	66477	8.50	ng	97
82) Chrysene	14.60	228	47415	6.58	ng	96
85) Indeno(1,2,3-cd)pyrene	17.97	276	37874	4.23	ng	96
87) Benzo(b)fluoranthene	15.85	252	98998	12.83	ng	98
88) Benzo(k)fluoranthene	15.85	252	98998	15.69	ng	98
89) Benzo(a)pyrene	16.26	252	52891	7.82	ng	# 93
91) Benzo(g,h,i)perylene	18.48	276	35135	5.28	ng	98

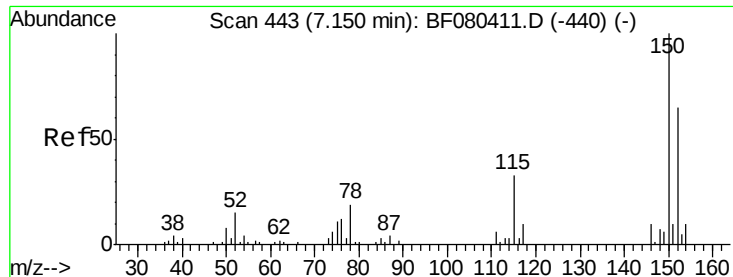
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Data File : BF080462.D
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Instrument :
BNA_F
ClientSampleId :
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Quant Time: Jul 14 13:13:45 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





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.13 min Scan# 441

Delta R.T. -0.02 min

Lab File: BF080462.D

Acq: 14 Jul 2015 11:55

Instrument :

BNA_F

ClientSampleId :

TEC-B1

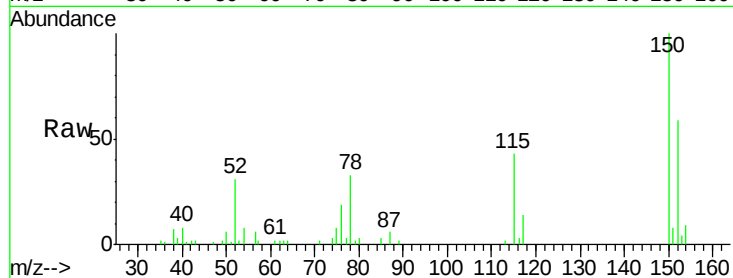
Tgt Ion:152 Resp: 17354

Ion Ratio Lower Upper

152 100

150 169.3 122.3 183.5

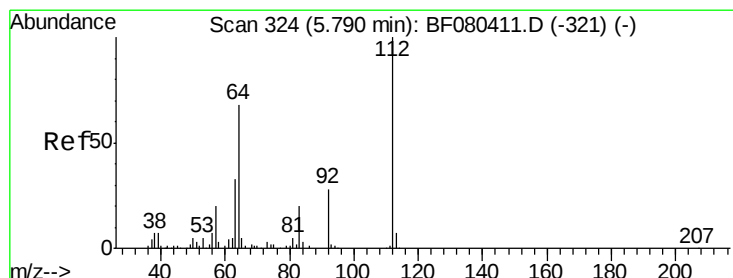
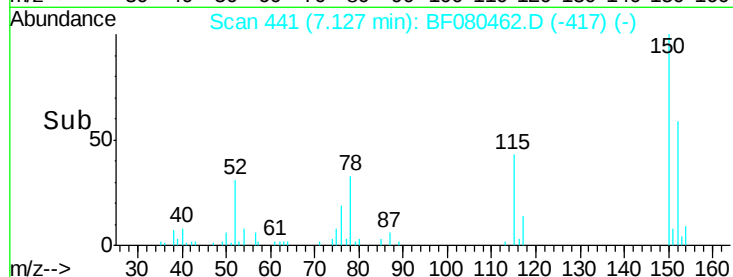
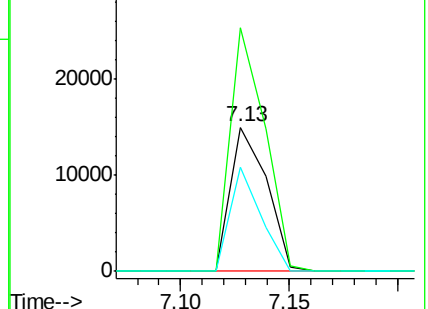
115 72.8 41.0 61.4#



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



#5

2-Fluorophenol

Concen: 20.19 ng

RT: 5.77 min Scan# 322

Delta R.T. -0.02 min

Lab File: BF080462.D

Acq: 14 Jul 2015 11:55

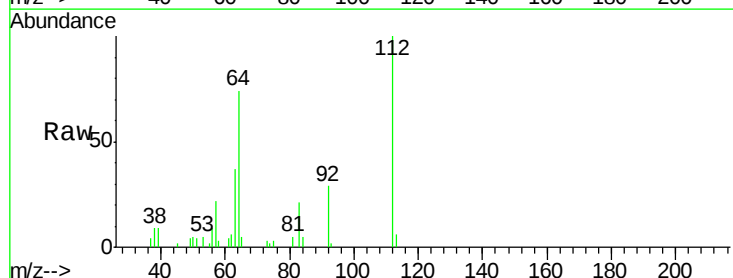
Tgt Ion:112 Resp: 20442

Ion Ratio Lower Upper

112 100

64 74.3 54.3 81.5

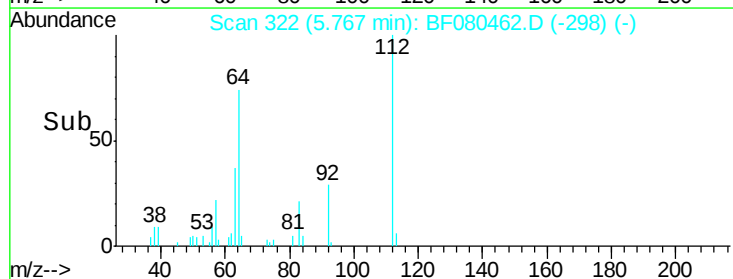
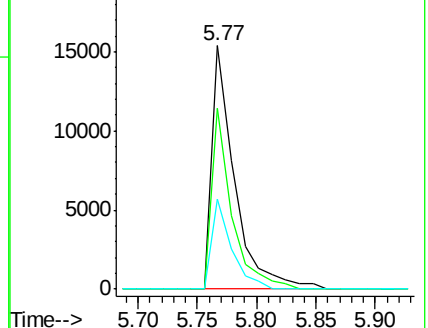
63 37.2 26.7 40.1

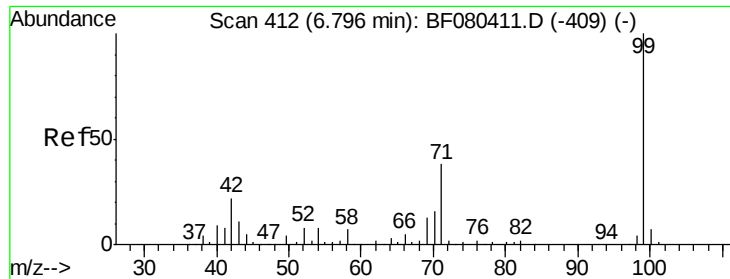


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 19.98 ng

RT: 6.78 min Scan# 411

Delta R.T. -0.01 min

Lab File: BF080462.D

Acq: 14 Jul 2015 11:55

Instrument :

BNA_F

ClientSampleId :

TEC-B1

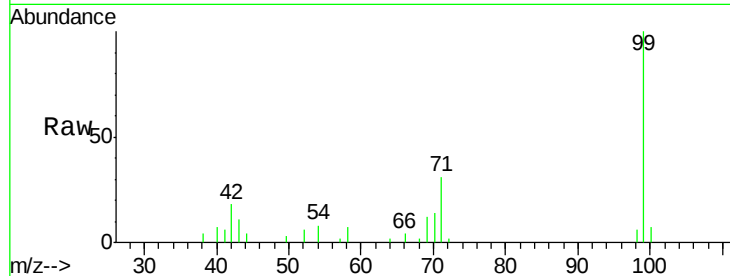
Tgt Ion: 99 Resp: 26961

Ion Ratio Lower Upper

99 100

42 18.0 17.9 26.9

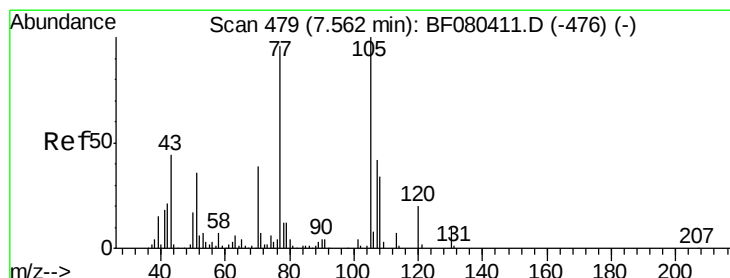
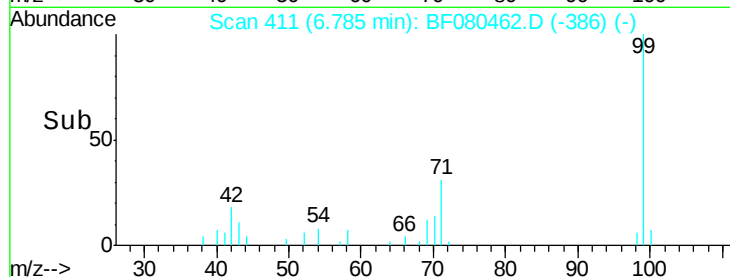
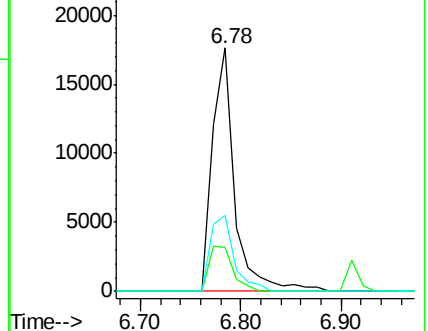
71 31.3 30.1 45.1



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: 2.23 ng

RT: 7.70 min Scan# 491

Delta R.T. 0.14 min

Lab File: BF080462.D

Acq: 14 Jul 2015 11:55

Tgt Ion: 70 Resp: 2059

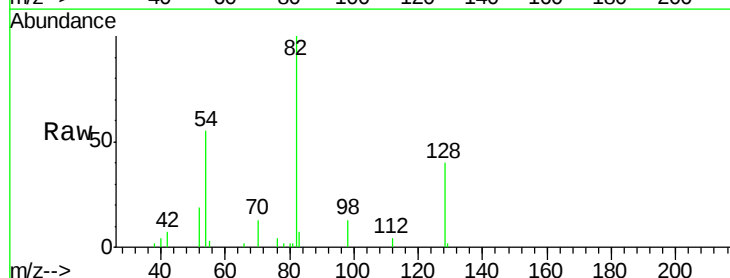
Ion Ratio Lower Upper

70 100

42 53.2 43.4 65.0

101 0.0 9.0 13.6#

130 0.0 19.5 29.3#

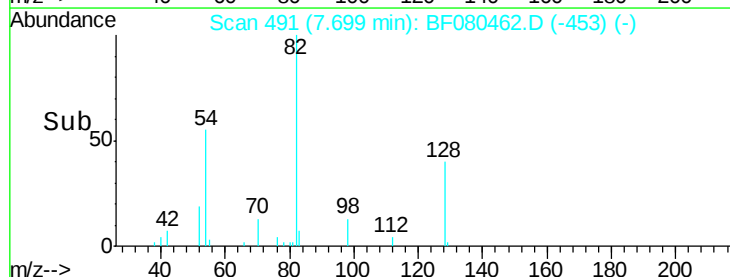
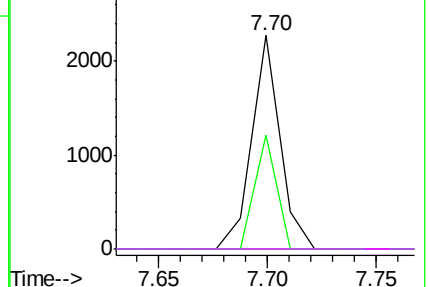


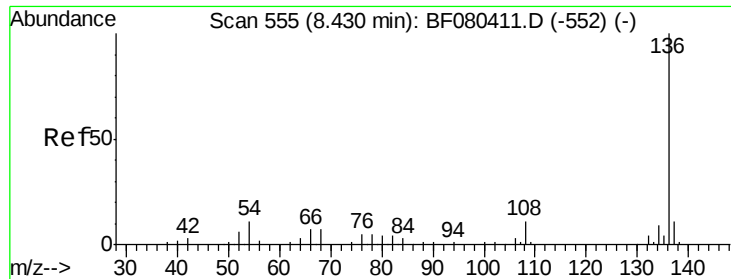
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

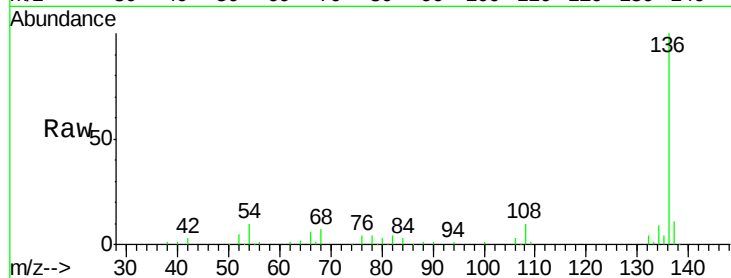




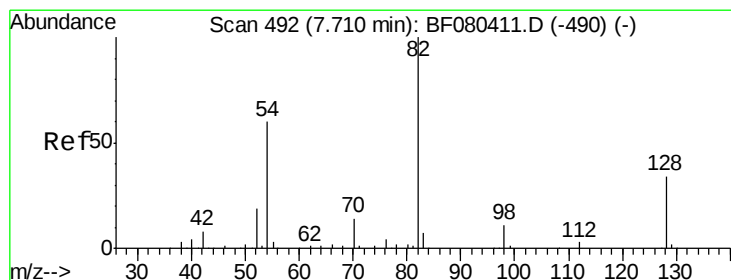
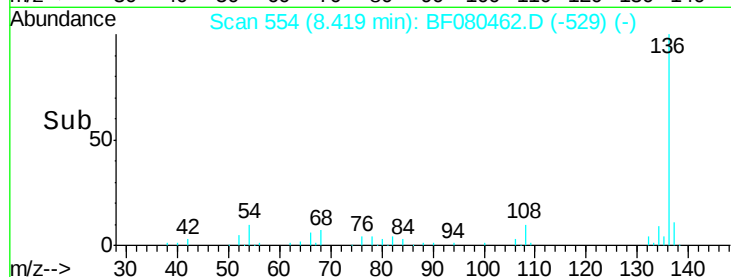
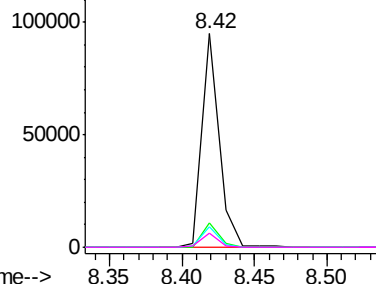
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.42 min Scan# 554
Delta R.T. -0.01 min
Lab File: BF080462.D
Acq: 14 Jul 2015 11:55

Instrument :
BNA_F
ClientSampled :
TEC-B1

Tgt Ion:	136	Resp:	79029
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.4
54	9.8	9.1	13.7
68	6.8	5.9	8.9

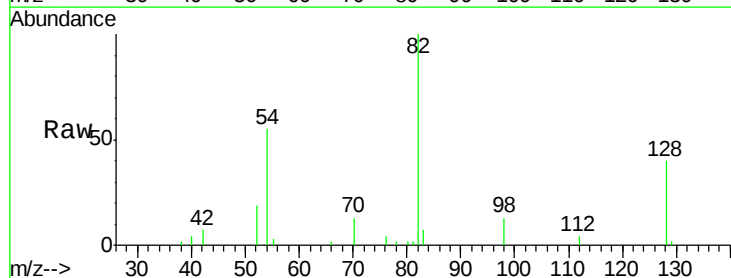


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

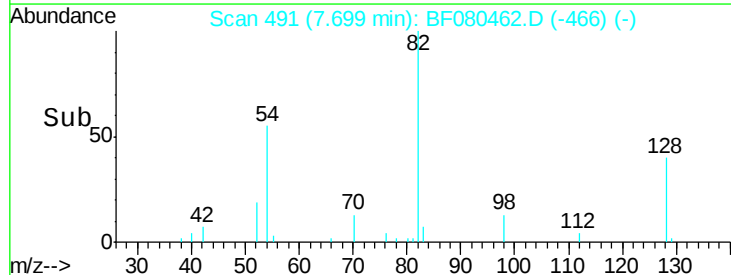
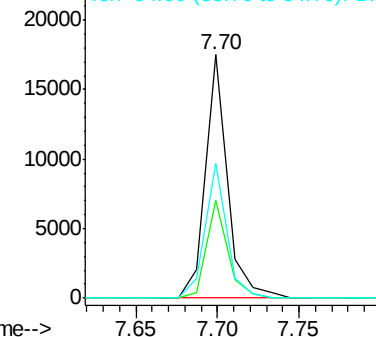


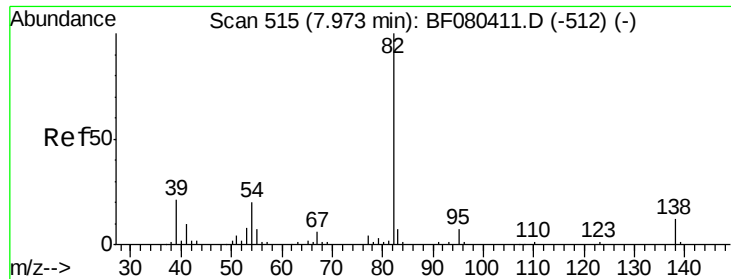
#23
Nitrobenzene-d5
Concen: 11.62 ng
RT: 7.70 min Scan# 491
Delta R.T. -0.01 min
Lab File: BF080462.D
Acq: 14 Jul 2015 11:55

Tgt Ion:	82	Resp:	16107
Ion	Ratio	Lower	Upper
82	100		
128	40.0	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: 5.91 ng

RT: 7.70 min Scan# 491

Delta R.T. -0.27 min

Lab File: BF080462.D

Acq: 14 Jul 2015 11:55

Instrument :

BNA_F

ClientSampleId :

TEC-B1

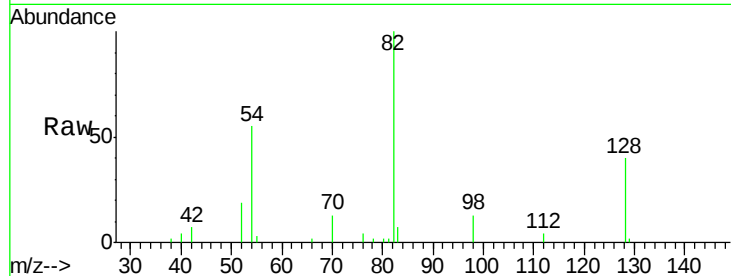
Tgt Ion: 82 Resp: 14681

Ion Ratio Lower Upper

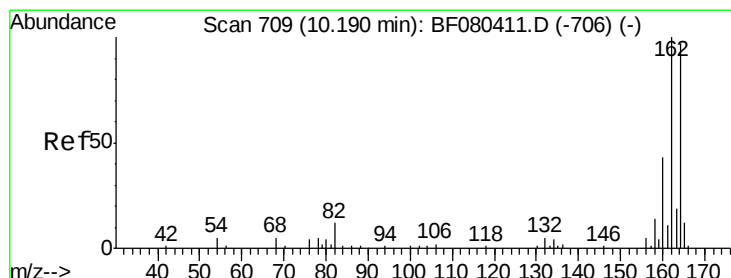
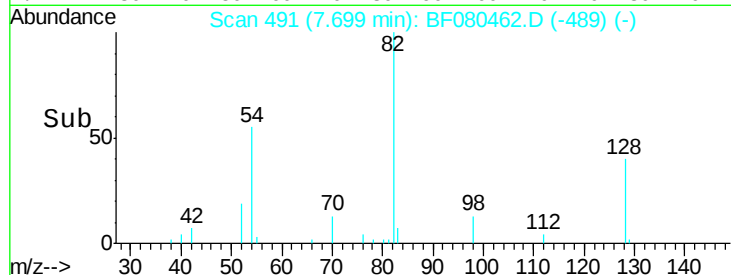
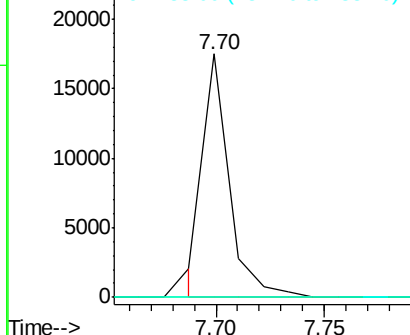
82 100

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: BF080462.D

Acq: 14 Jul 2015 11:55

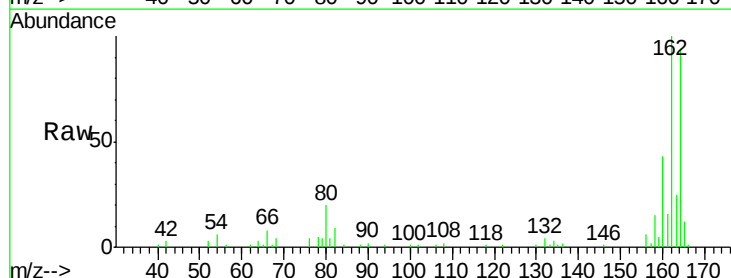
Tgt Ion: 164 Resp: 42346

Ion Ratio Lower Upper

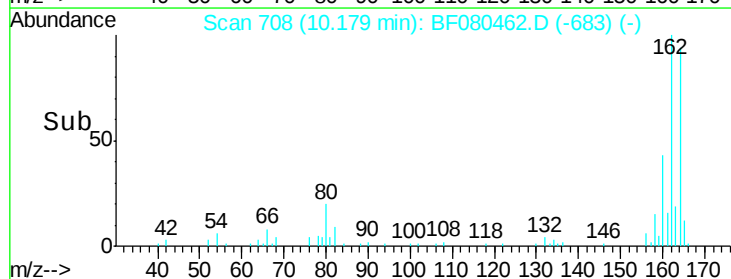
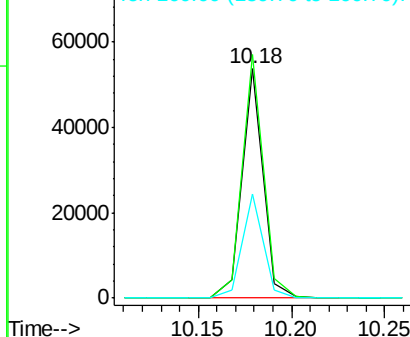
164 100

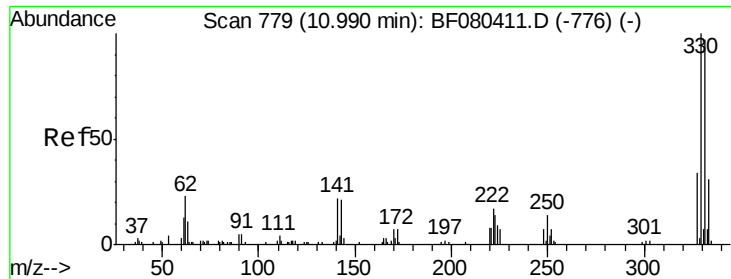
162 106.1 82.7 124.1

160 45.6 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

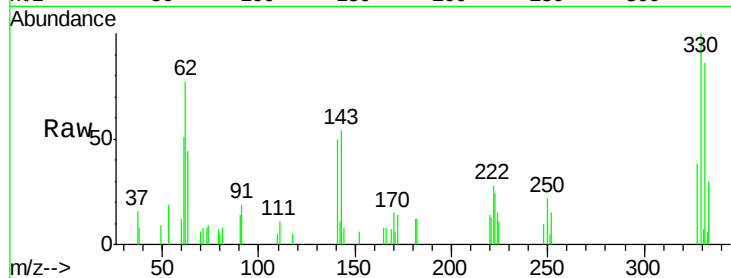




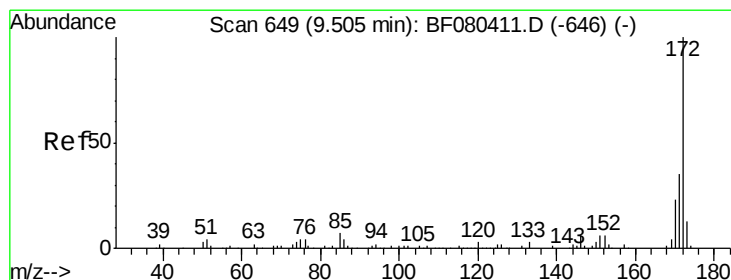
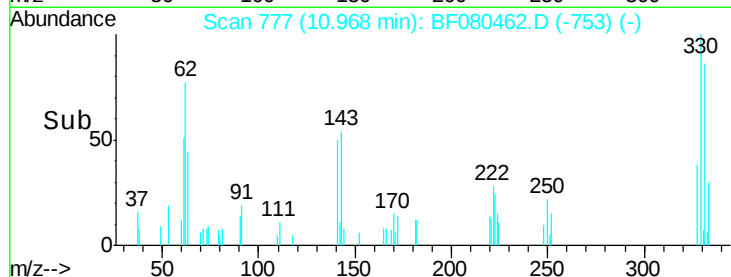
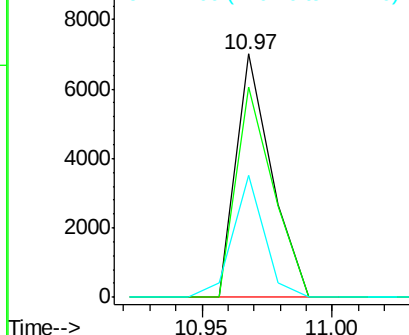
#41
 2,4,6-Tribromophenol
 Concen: 16.05 ng
 RT: 10.97 min Scan# 777
 Delta R.T. -0.02 min
 Lab File: BF080462.D
 Acq: 14 Jul 2015 11:55

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B1

Tgt Ion: 330 Resp: 6634
 Ion Ratio Lower Upper
 330 100
 332 89.8 78.0 117.0
 141 45.1 28.6 43.0#

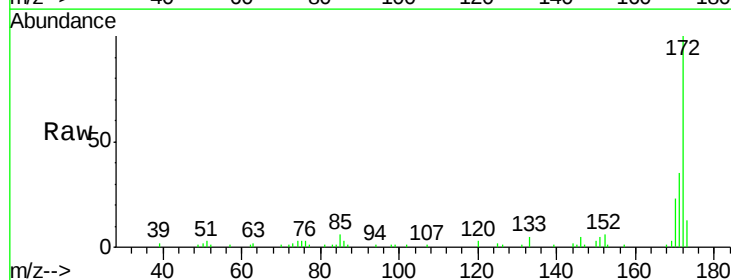


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

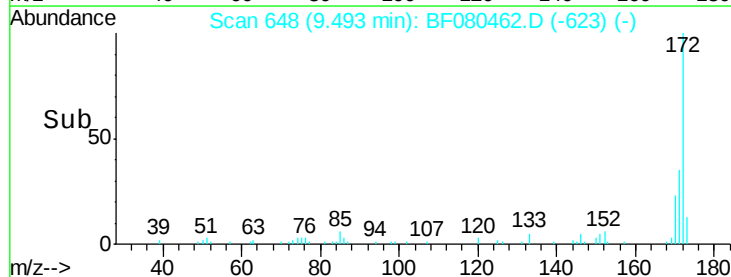
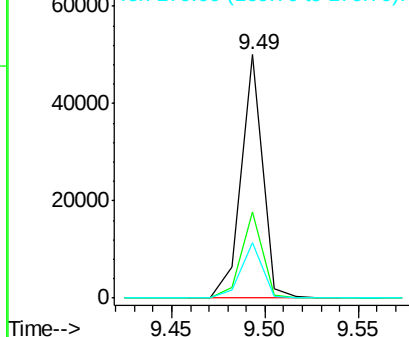


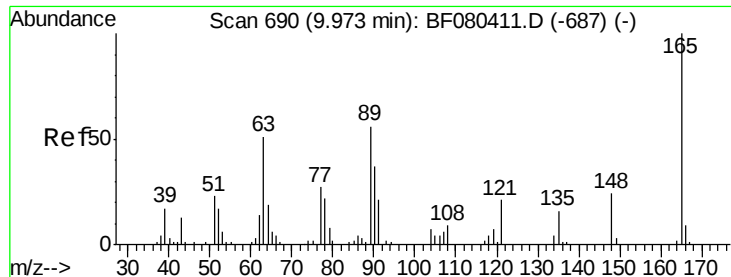
#44
 2-Fluorobiphenyl
 Concen: 12.81 ng
 RT: 9.49 min Scan# 648
 Delta R.T. -0.01 min
 Lab File: BF080462.D
 Acq: 14 Jul 2015 11:55

Tgt Ion: 172 Resp: 40280
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.4 42.6
 170 22.8 18.6 28.0



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





#50

2,6-Dinitrotoluene

Concen: 7.68 ng

RT: 10.18 min Scan# 708

Delta R.T. 0.21 min

Lab File: BF080462.D

Acq: 14 Jul 2015 11:55

Instrument :

BNA_F

ClientSampleId :

TEC-B1

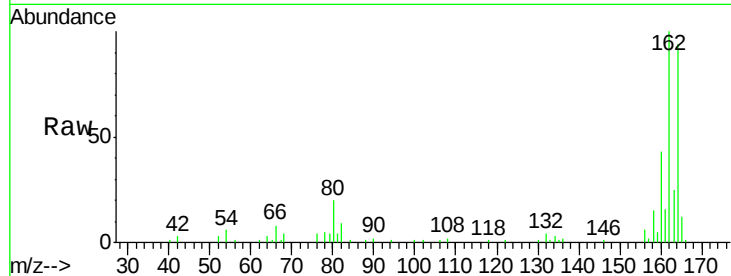
Tgt Ion:165 Resp: 5521

Ion Ratio Lower Upper

165 100

63 0.0 44.5 66.7#

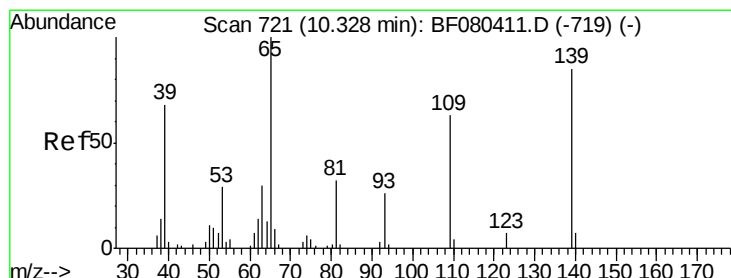
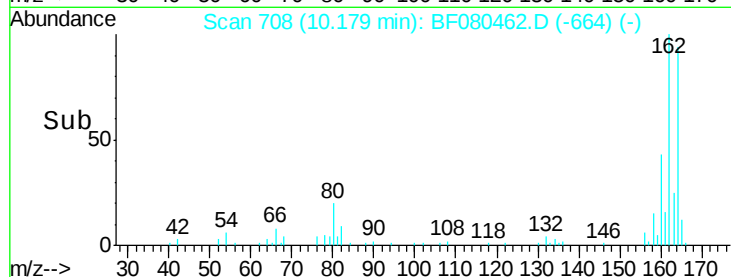
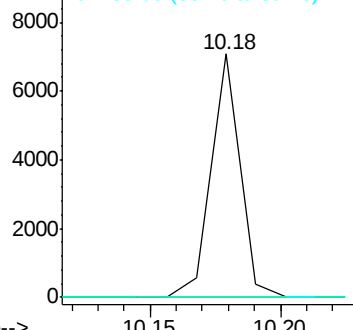
89 0.0 44.5 66.7#



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: 5.85 ng

RT: 10.38 min Scan# 726

Delta R.T. 0.06 min

Lab File: BF080462.D

Acq: 14 Jul 2015 11:55

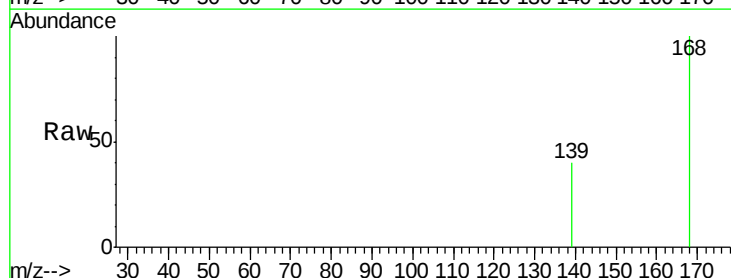
Tgt Ion:139 Resp: 533

Ion Ratio Lower Upper

139 100

109 0.0 54.6 94.6#

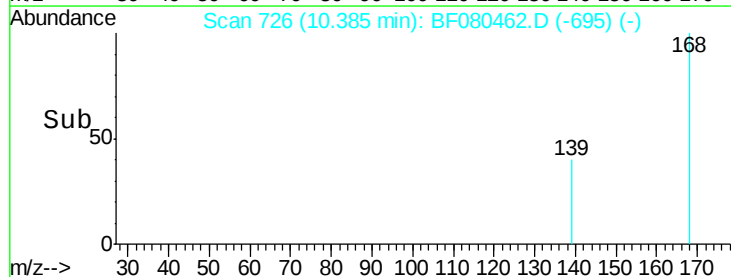
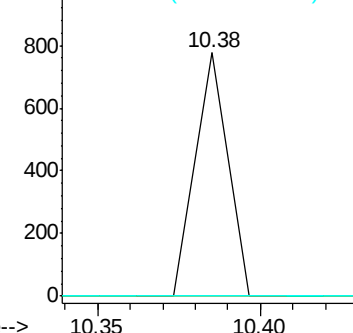
65 0.0 97.8 137.8#

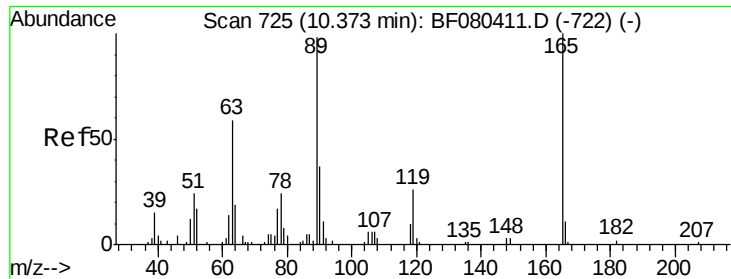


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

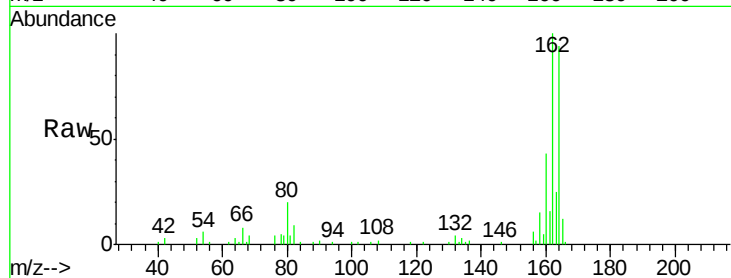




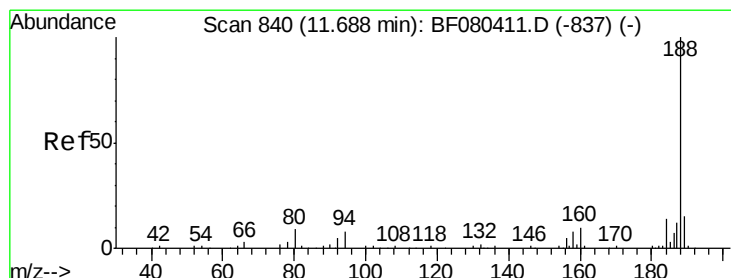
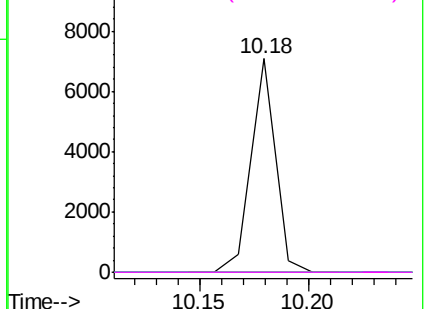
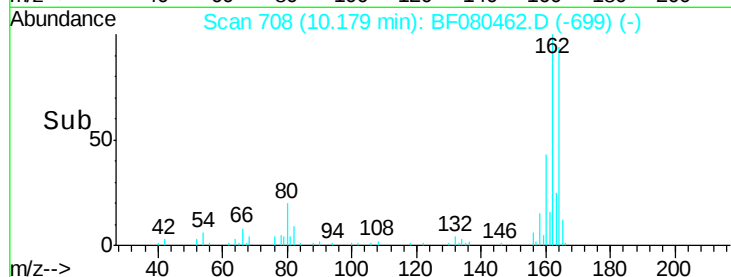
#56
 2,4-Dinitrotoluene
 Concen: 6.57 ng
 RT: 10.18 min Scan# 708
 Delta R.T. -0.19 min
 Lab File: BF080462.D
 Acq: 14 Jul 2015 11:55

Instrument :
 BNA_F
 ClientSampled :
 TEC-B1

Tgt Ion:165 Resp: 5520
 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#

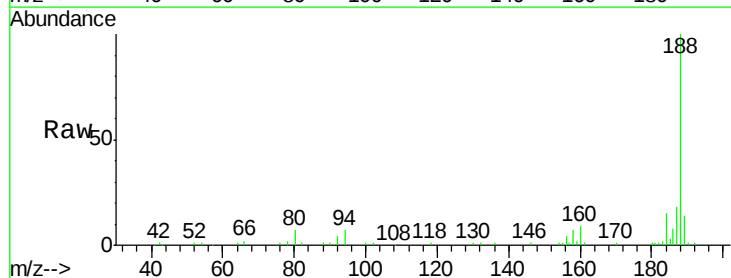


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BF0
 Ion 89.00 (88.70 to 89.70): BF0
 Ion 182.00 (181.70 to 182.70): E

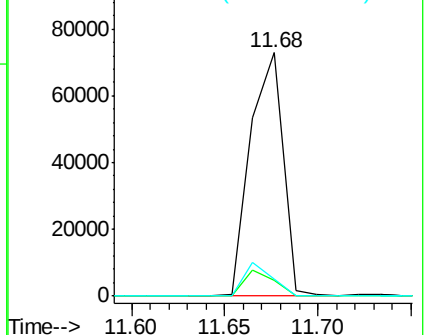
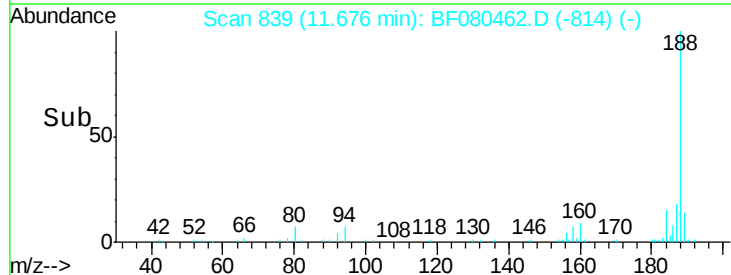


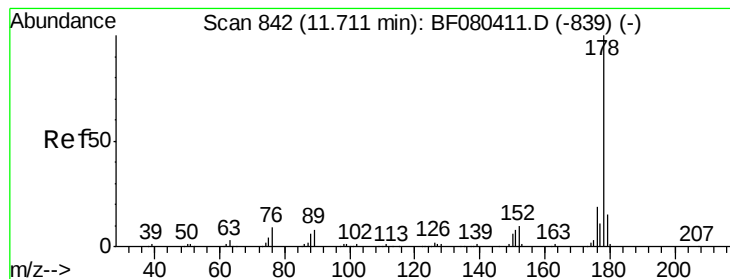
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.68 min Scan# 839
 Delta R.T. -0.01 min
 Lab File: BF080462.D
 Acq: 14 Jul 2015 11:55

Tgt Ion:188 Resp: 88368
 Ion Ratio Lower Upper
 188 100
 94 6.7 6.7 10.1#
 80 7.0 7.5 11.3#



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





#70

Phenanthrene

Concen: 7.38 ng

RT: 11.70 min Scan# 841

Delta R.T. -0.01 min

Lab File: BF080462.D

Acq: 14 Jul 2015 11:55

Instrument :

BNA_F

ClientSampled :

TEC-B1

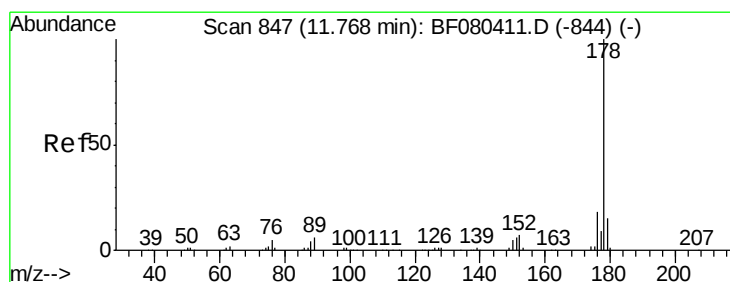
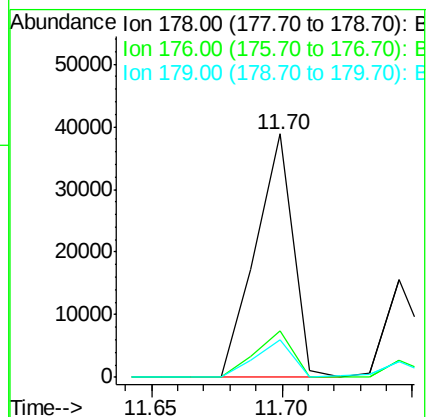
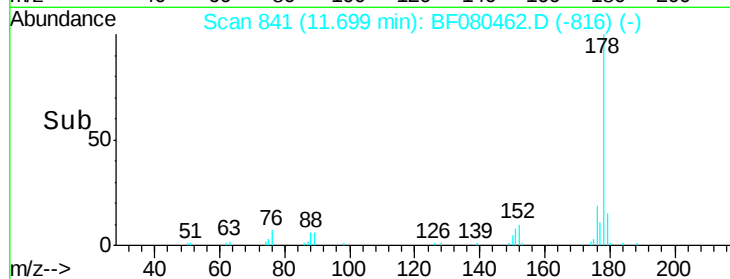
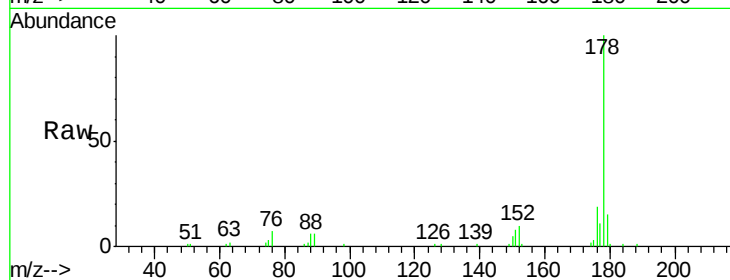
Tgt Ion:178 Resp: 39158

Ion Ratio Lower Upper

178 100

176 19.1 15.2 22.8

179 15.5 12.4 18.6



#71

Anthracene

Concen: 3.06 ng

RT: 11.75 min Scan# 845

Delta R.T. -0.02 min

Lab File: BF080462.D

Acq: 14 Jul 2015 11:55

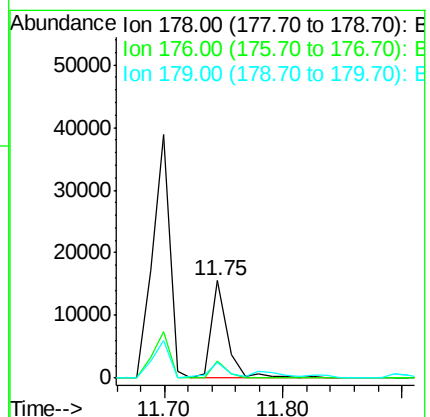
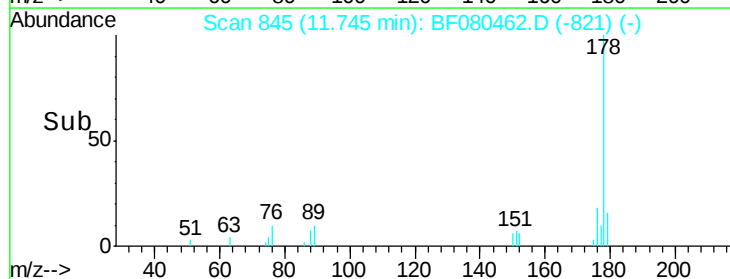
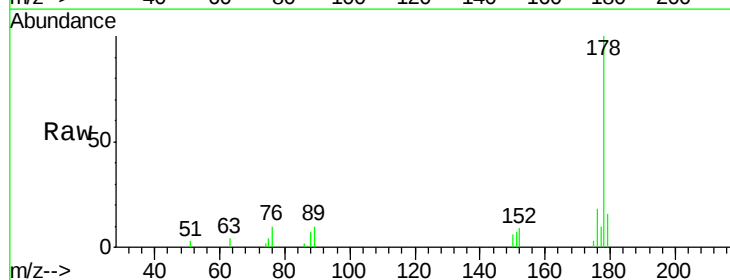
Tgt Ion:178 Resp: 15034

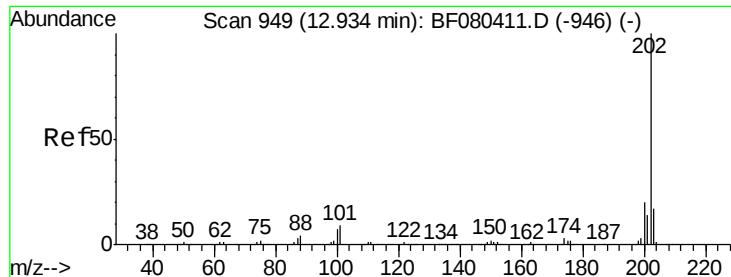
Ion Ratio Lower Upper

178 100

176 17.5 14.2 21.4

179 15.8 11.6 17.4

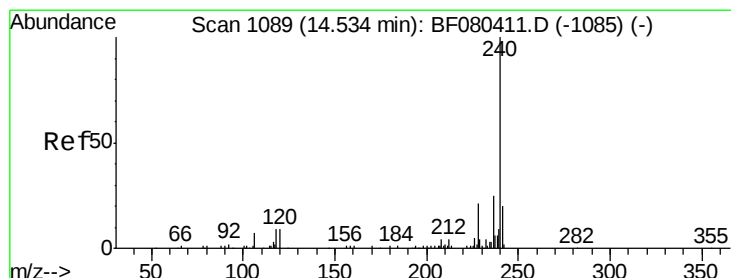
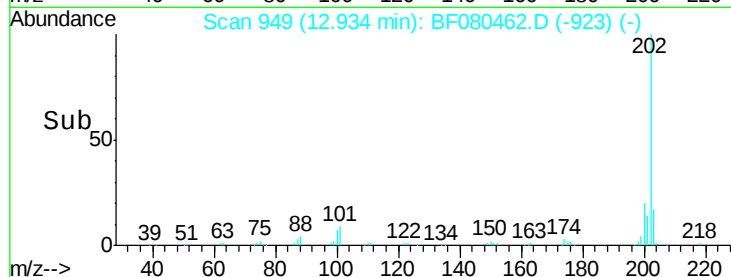
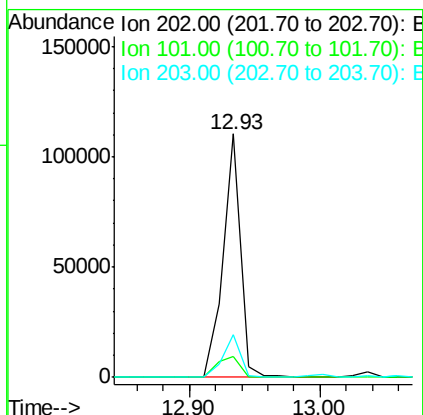
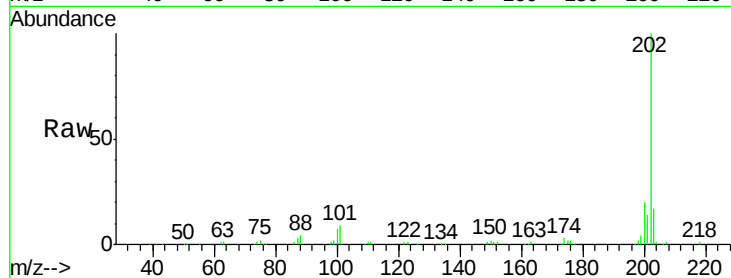




#74
 Fluoranthene
 Concen: 18.86 ng
 RT: 12.93 min Scan# 949
 Delta R.T. 0.00 min
 Lab File: BF080462.D
 Acq: 14 Jul 2015 11:55

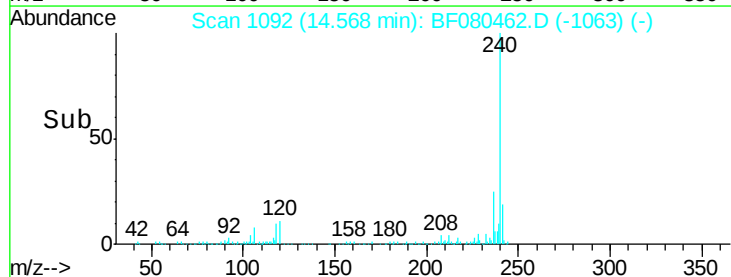
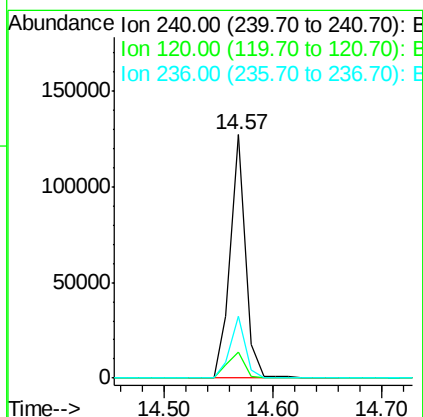
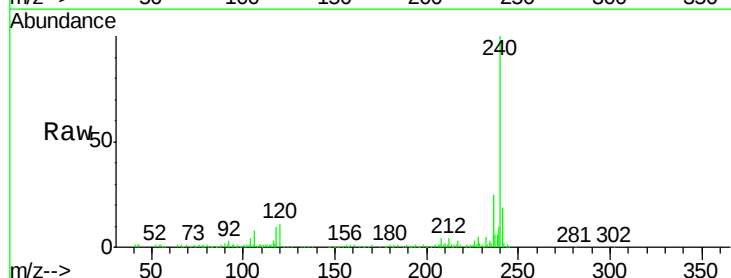
Instrument :
 BNA_F
 ClientSampled :
 TEC-B1

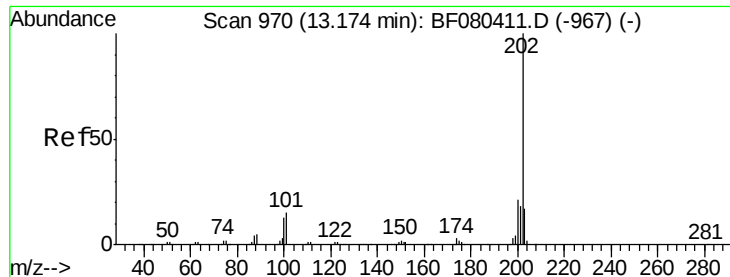
Tgt Ion	Ratio	Lower	Upper
202	100		
101	8.8	0.0	28.8
203	17.3	0.0	37.3



#75
 Chrysene-d12
 Concen: 20.00 ng
 RT: 14.57 min Scan# 1092
 Delta R.T. 0.03 min
 Lab File: BF080462.D
 Acq: 14 Jul 2015 11:55

Tgt Ion	Ratio	Lower	Upper
240	100		
120	10.6	7.4	11.2
236	25.3	19.7	29.5

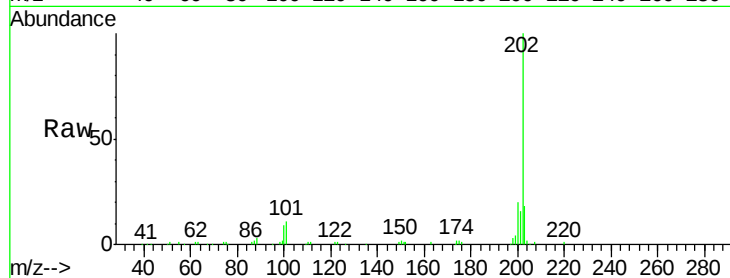




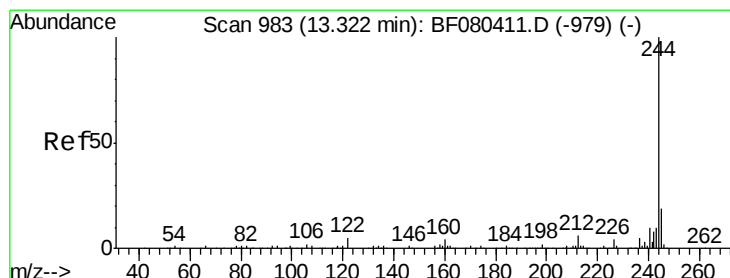
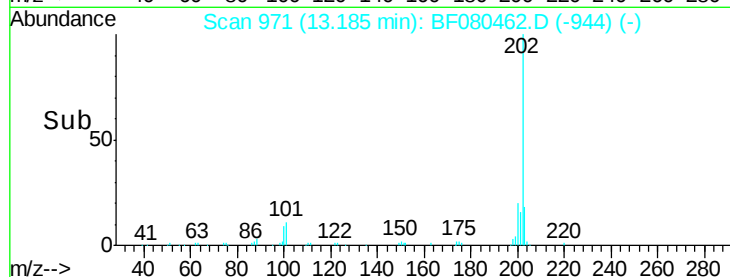
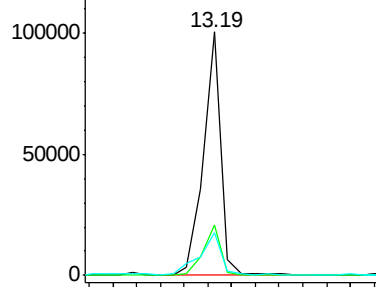
#77
Pyrene
Concen: 12.84 ng
RT: 13.19 min Scan# 971
Delta R.T. 0.01 min
Lab File: BF080462.D
Acq: 14 Jul 2015 11:55

Instrument :
BNA_F
ClientSampled :
TEC-B1

Tgt Ion	Ratio	Lower	Upper
202	100		
200	20.5	17.0	25.6
203	17.6	13.8	20.8

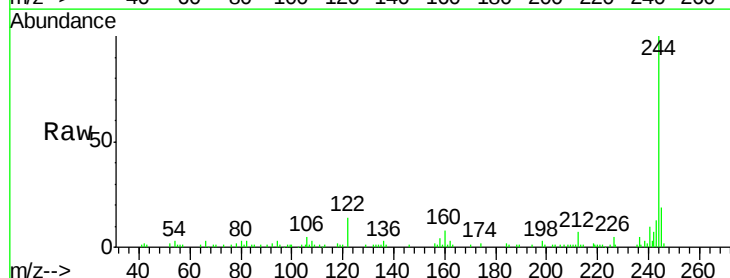


Abundance Ion 202.00 (201.70 to 202.70): E
Ion 200.00 (199.70 to 200.70): E
Ion 203.00 (202.70 to 203.70): E

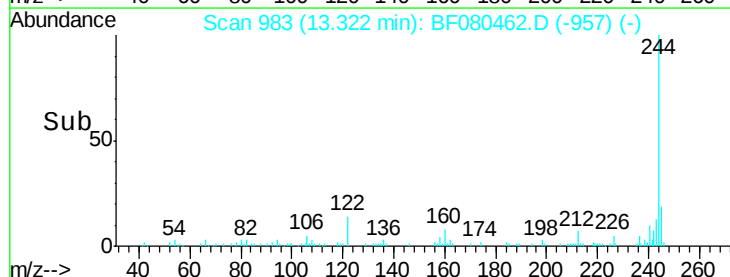
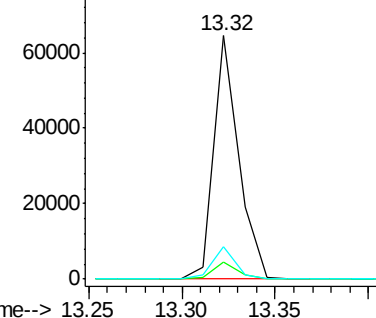


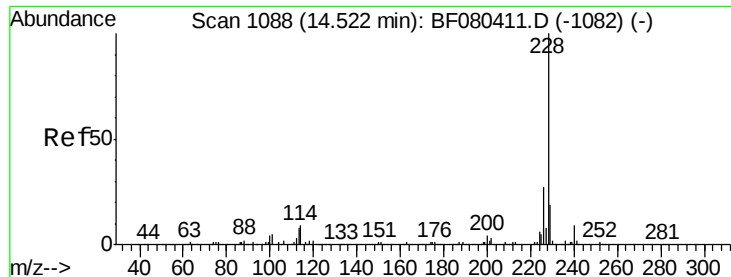
#78
Terphenyl-d14
Concen: 10.48 ng
RT: 13.32 min Scan# 983
Delta R.T. 0.00 min
Lab File: BF080462.D
Acq: 14 Jul 2015 11:55

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.9	4.9	7.3
122	13.6	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: 8.50 ng

RT: 14.56 min Scan# 1091

Delta R.T. 0.03 min

Lab File: BF080462.D

Acq: 14 Jul 2015 11:55

Instrument :

BNA_F

ClientSampleId :

TEC-B1

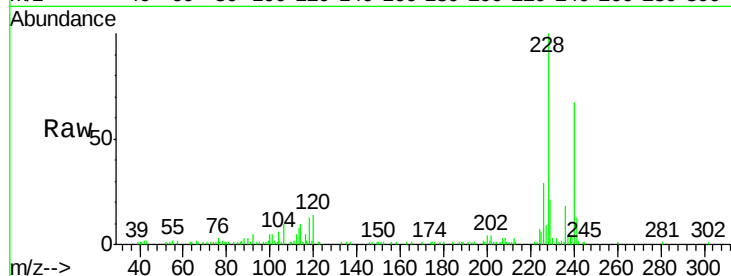
Tgt Ion:228 Resp: 66477

Ion Ratio Lower Upper

228 100

226 28.6 21.7 32.5

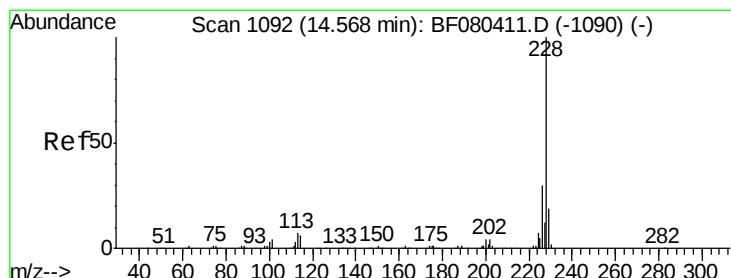
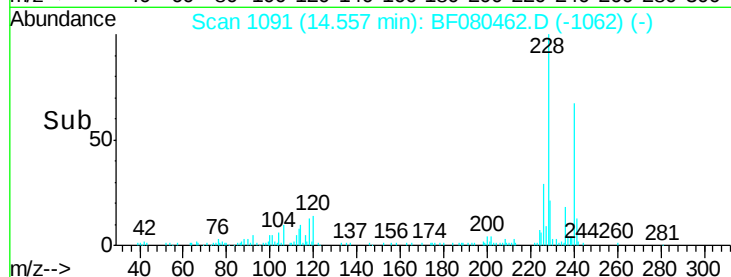
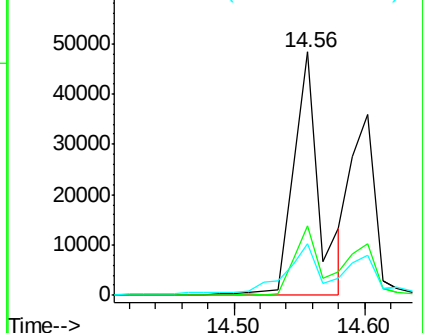
229 21.2 15.5 23.3



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: 6.58 ng

RT: 14.60 min Scan# 1095

Delta R.T. 0.03 min

Lab File: BF080462.D

Acq: 14 Jul 2015 11:55

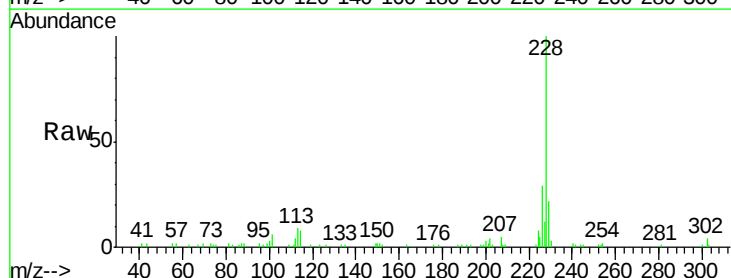
Tgt Ion:228 Resp: 47415

Ion Ratio Lower Upper

228 100

226 28.6 24.3 36.5

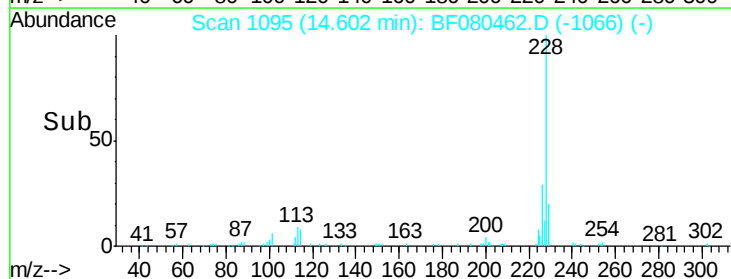
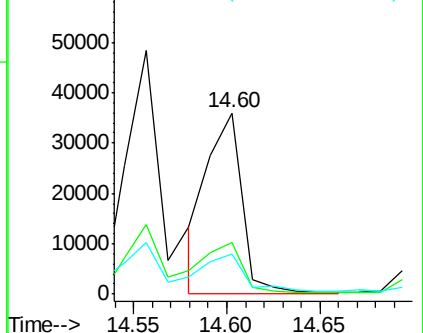
229 21.9 15.5 23.3

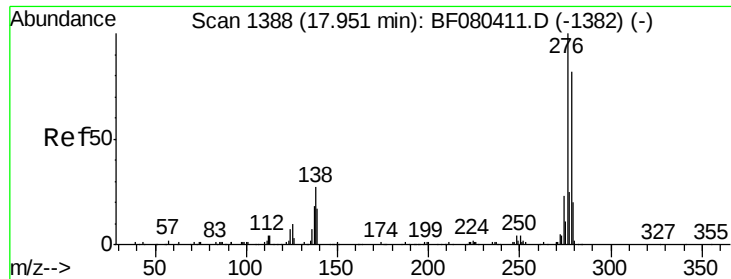


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

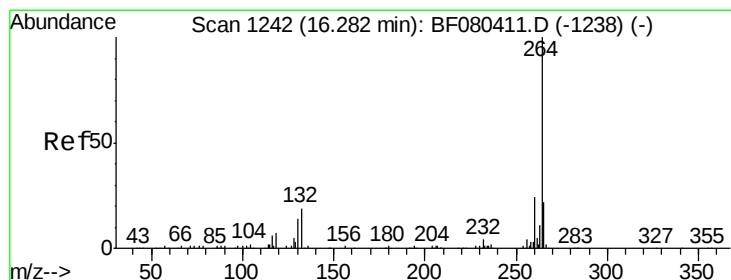
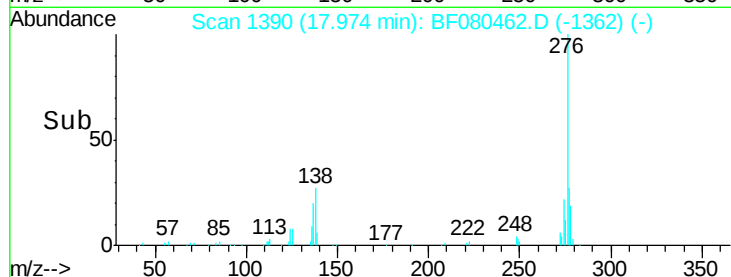
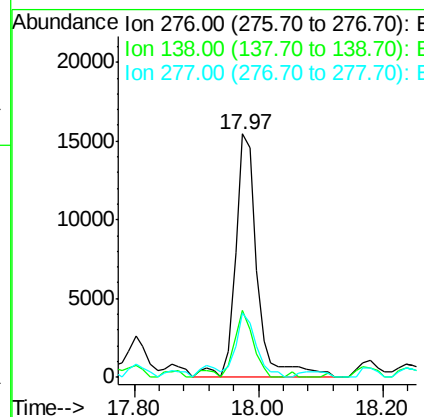
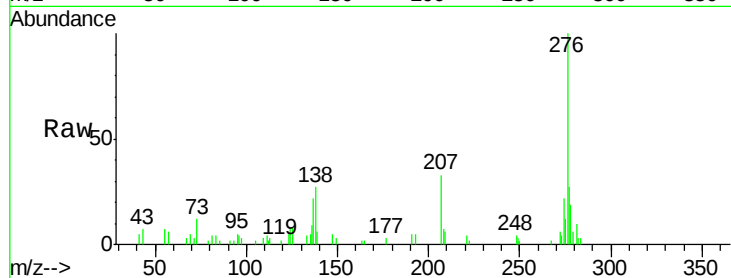




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 4.23 ng
 RT: 17.97 min Scan# 1390
 Delta R.T. 0.02 min
 Lab File: BF080462.D
 Acq: 14 Jul 2015 11:55

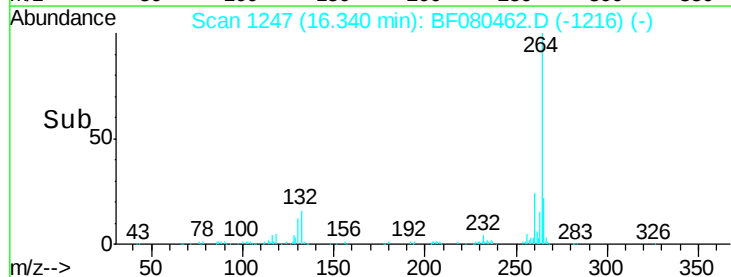
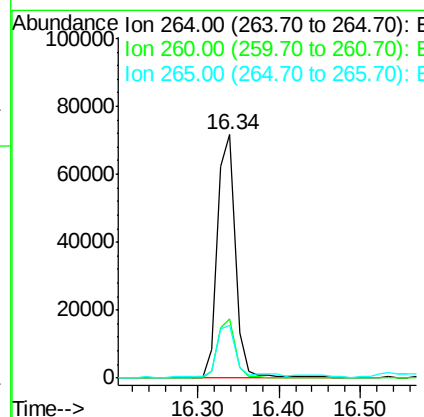
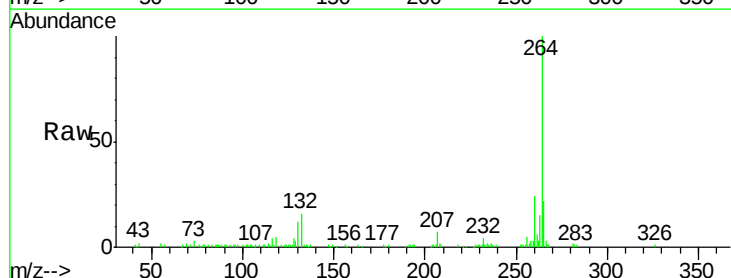
Instrument :
 BNA_F
 ClientSampleId :
 TEC-B1

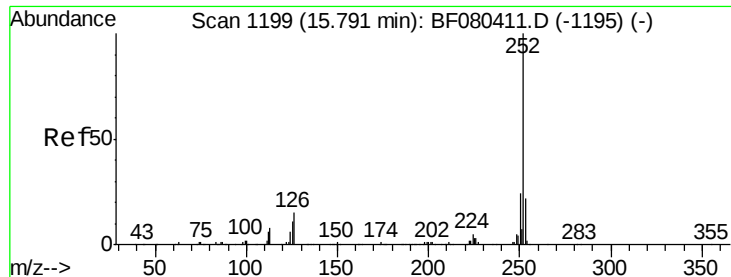
Tgt Ion: 276 Resp: 37874
 Ion Ratio Lower Upper
 276 100
 138 23.1 21.4 32.0
 277 24.8 19.5 29.3



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.34 min Scan# 1247
 Delta R.T. 0.06 min
 Lab File: BF080462.D
 Acq: 14 Jul 2015 11:55

Tgt Ion: 264 Resp: 111107
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.4 29.2
 265 21.6 17.8 26.8

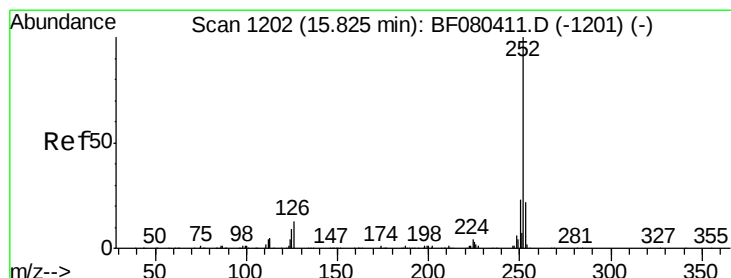
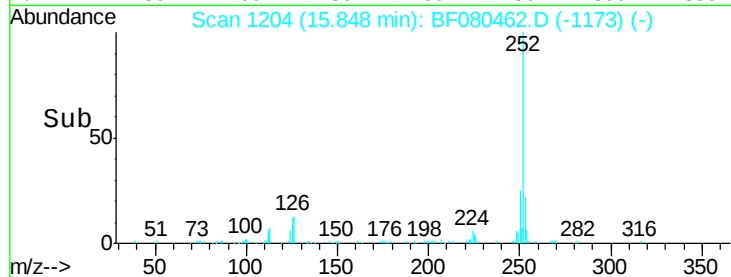
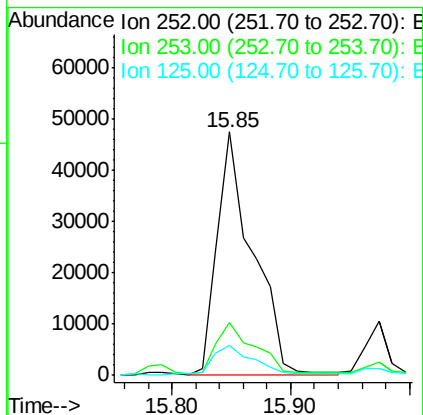
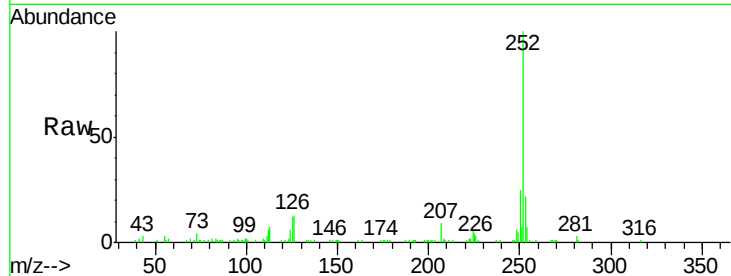




#87
Benzo(b)fluoranthene
Concen: 12.83 ng
RT: 15.85 min Scan# 1204
Delta R.T. 0.06 min
Lab File: BF080462.D
Acq: 14 Jul 2015 11:55

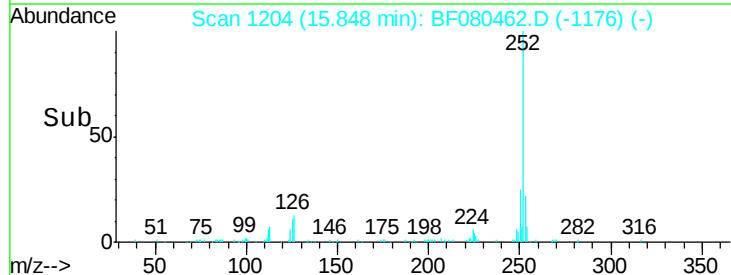
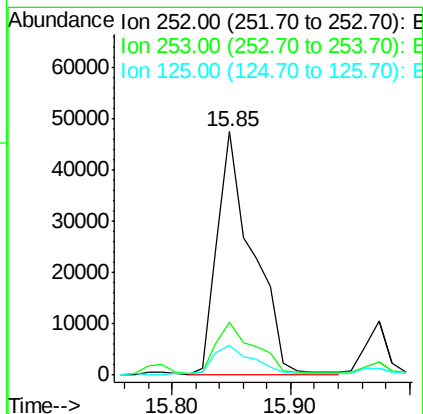
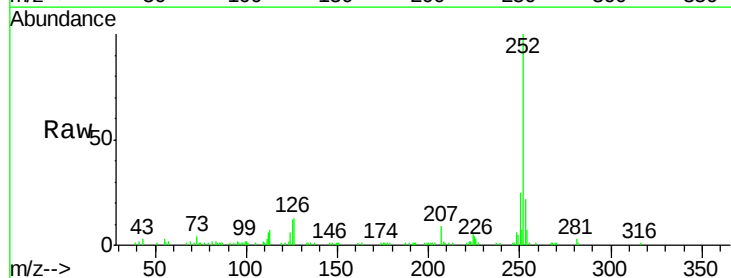
Instrument :
BNA_F
ClientSampleId :
TEC-B1

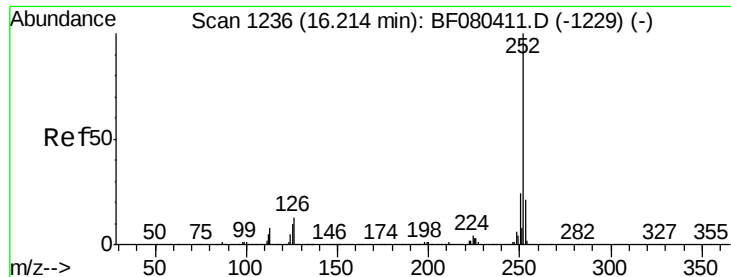
Tgt Ion:252 Resp: 98998
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.8
125 12.3 8.6 12.8



#88
Benzo(k)fluoranthene
Concen: 15.69 ng
RT: 15.85 min Scan# 1204
Delta R.T. 0.02 min
Lab File: BF080462.D
Acq: 14 Jul 2015 11:55

Tgt Ion:252 Resp: 98998
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 12.3 8.4 12.6

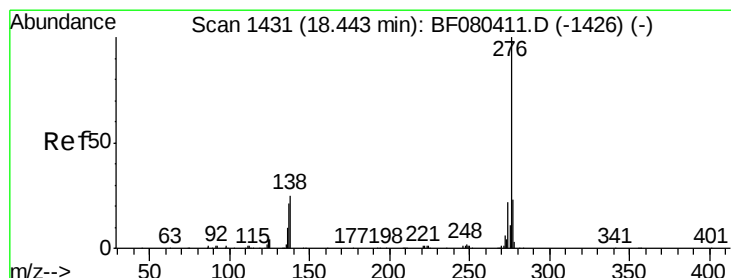
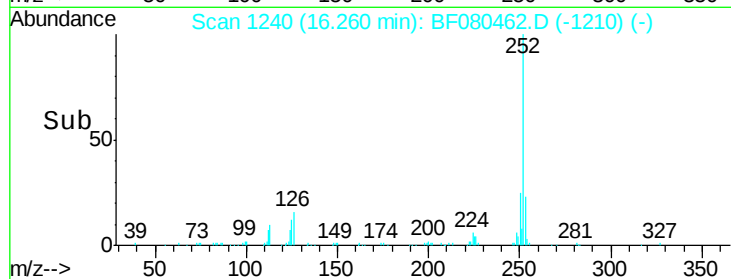
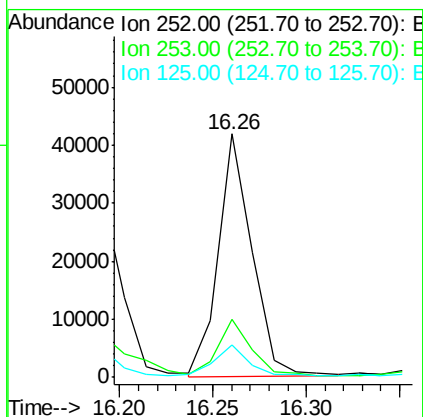
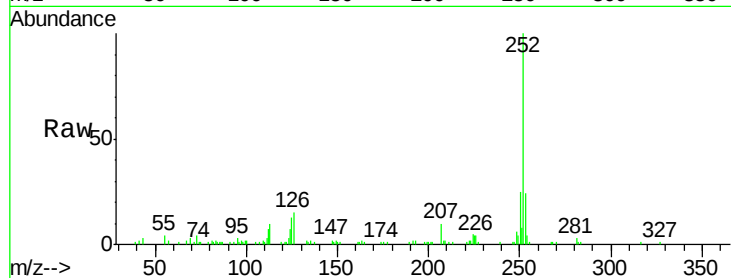




#89
Benzo(a)pyrene
Concen: 7.82 ng
RT: 16.26 min Scan# 1240
Delta R.T. 0.05 min
Lab File: BF080462.D
Acq: 14 Jul 2015 11:55

Instrument :
BNA_F
ClientSampled :
TEC-B1

Tgt Ion: 252 Resp: 52891
Ion Ratio Lower Upper
252 100
253 24.1 17.0 25.6
125 13.1 8.1 12.1#



#91
Benzo(g,h,i)perylene
Concen: 5.28 ng
RT: 18.48 min Scan# 1434
Delta R.T. 0.03 min
Lab File: BF080462.D
Acq: 14 Jul 2015 11:55

Tgt Ion: 276 Resp: 35135
Ion Ratio Lower Upper
276 100
277 24.5 18.2 27.4
138 25.0 20.3 30.5

