

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071015\
 Data File : BF080422.D
 Acq On : 11 Jul 2015 8:24
 Operator : TP/UM
 Sample : G2925-06 2X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-E1

Quant Time: Jul 13 01:03:53 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

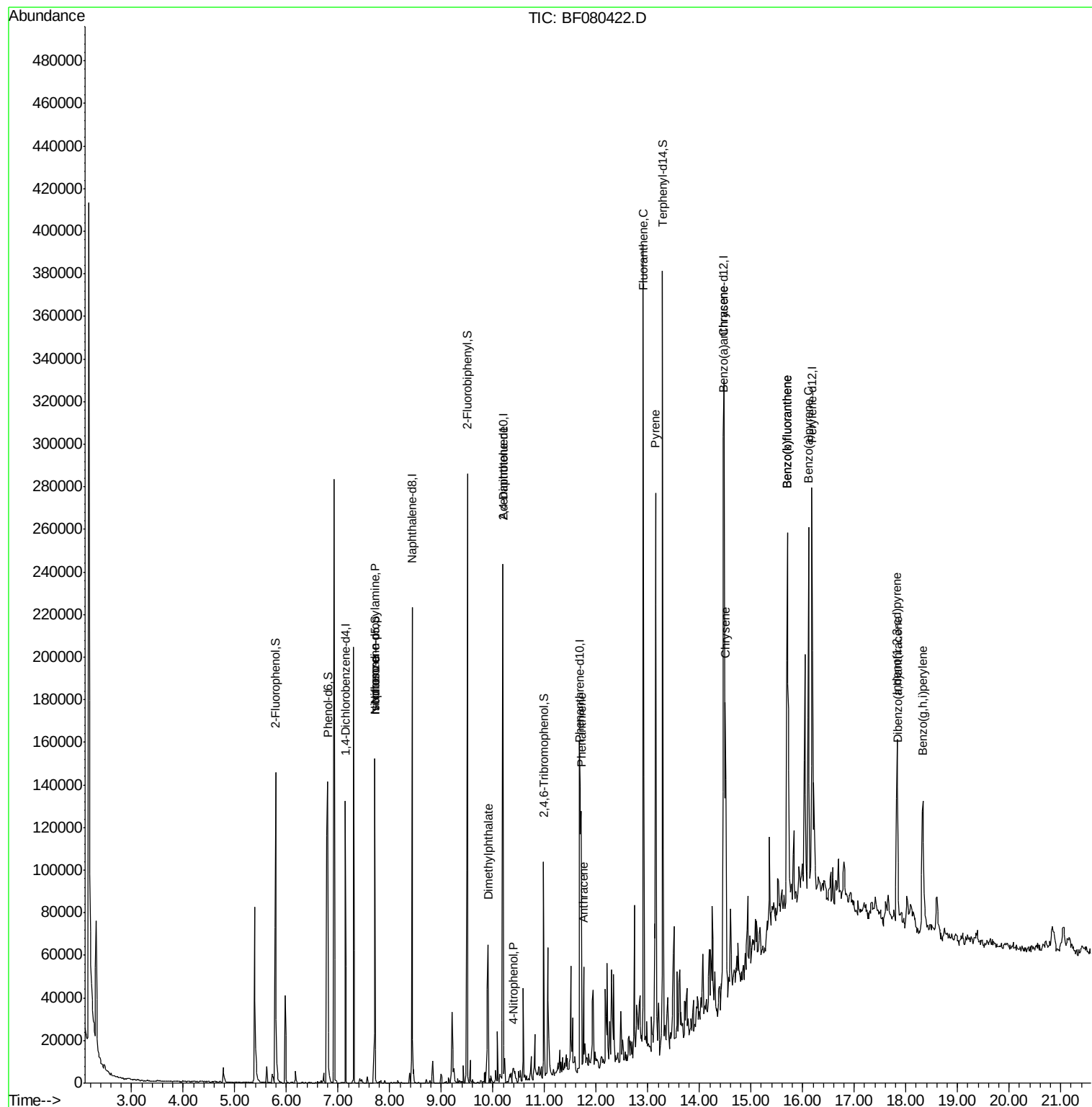
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.14	152	21321	20.00	ng	-0.01
21) Naphthalene-d8	8.43	136	87782	20.00	ng	0.00
38) Acenaphthene-d10	10.19	164	44054	20.00	ng	0.00
63) Phenanthrene-d10	11.69	188	77463	20.00	ng	0.00
75) Chrysene-d12	14.48	240	93715	20.00	ng	-0.06
86) Perylene-d12	16.18	264	92994	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.79	112	53249	42.80	ng	0.00
7) Phenol-d6	6.80	99	73777	44.51	ng	0.00
23) Nitrobenzene-d5	7.71	82	45115	29.31	ng	0.00
41) 2,4,6-Tribromophenol	10.98	330	8770	20.40	ng	-0.01
44) 2-Fluorobiphenyl	9.50	172	97103	29.69	ng	0.00
78) Terphenyl-d14	13.29	244	109981	25.49	ng	-0.03
Target Compounds						Qvalue
19) n-Nitroso-di-n-propylamine	7.71	70	6035	5.32	ng	# 80
25) Isophorone	7.71	82	39734	14.40	ng	# 73
49) Dimethylphthalate	9.90	163	34353	10.32	ng	99
55) 4-Nitrophenol	10.40	139	875	6.35	ng	# 1
56) 2,4-Dinitrotoluene	10.19	165	5485	6.28	ng	# 9
70) Phenanthrene	11.71	178	67928	14.60	ng	99
71) Anthracene	11.76	178	19427	4.51	ng	98
74) Fluoranthene	12.91	202	154486	32.01	ng	95
77) Pyrene	13.15	202	149690	24.93	ng	99
80) Benzo(a)anthracene	14.47	228	94650	16.03	ng	99
82) Chrysene	14.50	228	62914	11.57	ng	97
85) Indeno(1,2,3-cd)pyrene	17.83	276	57088	8.45	ng	94
87) Benzo(b)fluoranthene	15.70	252	141158	21.85	ng	98
88) Benzo(k)fluoranthene	15.70	252	141158	26.72	ng	98
89) Benzo(a)pyrene	16.11	252	80466	14.22	ng	97
90) Dibenzo(a,h)anthracene	17.84	278	13615	2.43	ng	# 83
91) Benzo(g,h,i)perylene	18.33	276	60613	10.88	ng	96

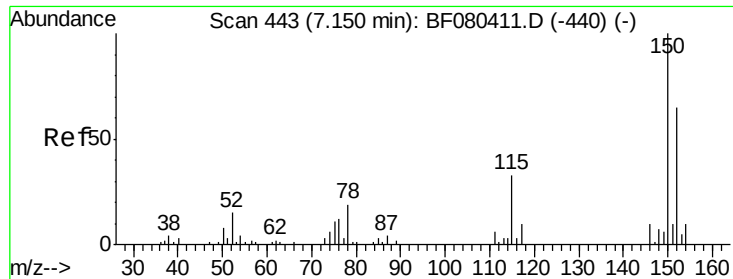
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF071015\
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Quant Time: Jul 13 01:03:53 2015
Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF071015.M
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QLast Update : Sat Jul 11 05:35:30 2015
Response via : Initial Calibration





#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.14 min Scan# 442

Delta R.T. -0.01 min

Lab File: BF080422.D

Acq: 11 Jul 2015 8:24

Instrument :

BNA_F

ClientSampleId :

TEC-E1

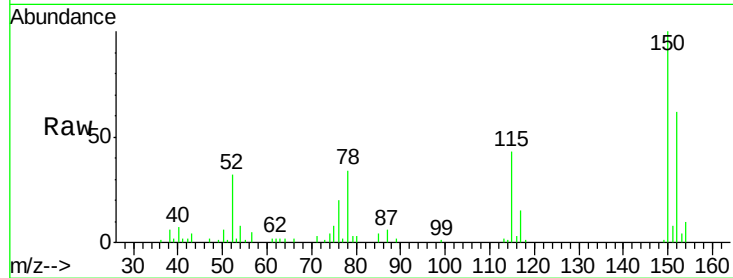
Tgt Ion:152 Resp: 21321

Ion Ratio Lower Upper

152 100

150 161.2 122.3 183.5

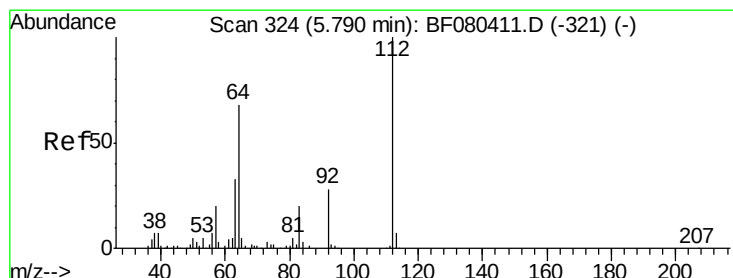
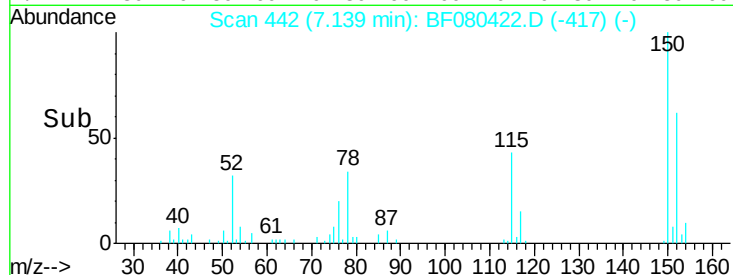
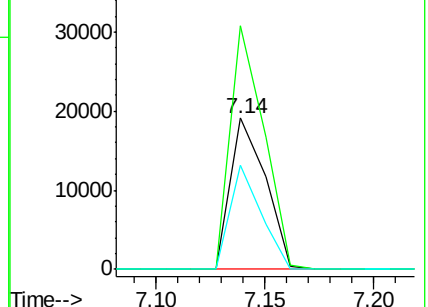
115 68.8 41.0 61.4#



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: 42.80 ng

RT: 5.79 min Scan# 324

Delta R.T. 0.00 min

Lab File: BF080422.D

Acq: 11 Jul 2015 8:24

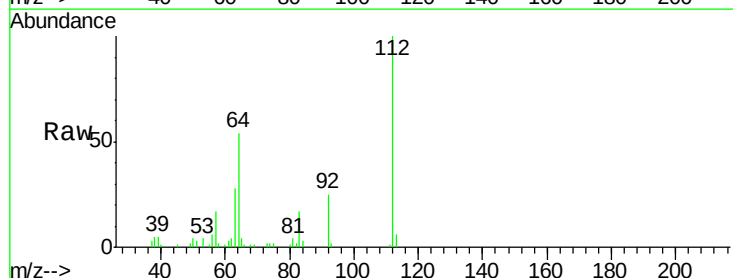
Tgt Ion:112 Resp: 53249

Ion Ratio Lower Upper

112 100

64 54.0 54.3 81.5#

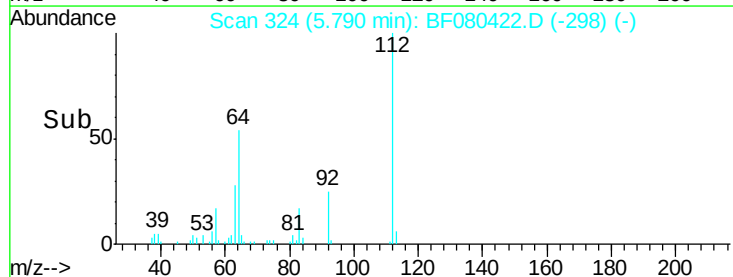
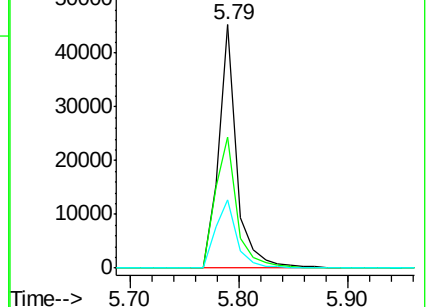
63 27.9 26.7 40.1

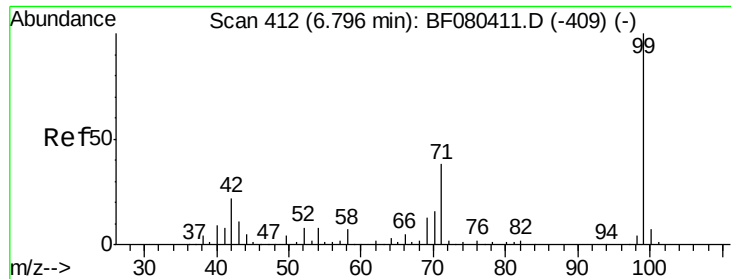


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 44.51 ng

RT: 6.80 min Scan# 412

Delta R.T. 0.00 min

Lab File: BF080422.D

Acq: 11 Jul 2015 8:24

Instrument :

BNA_F

ClientSampled :

TEC-E1

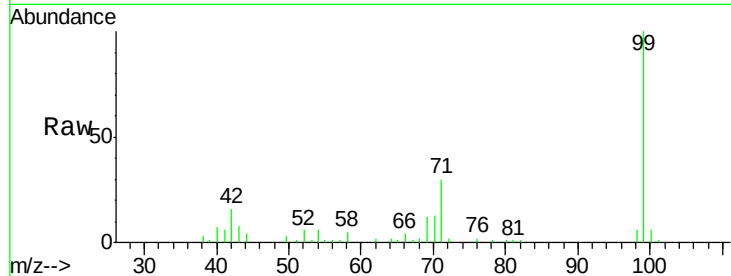
Tgt Ion: 99 Resp: 73777

Ion Ratio Lower Upper

99 100

42 16.1 17.9 26.9#

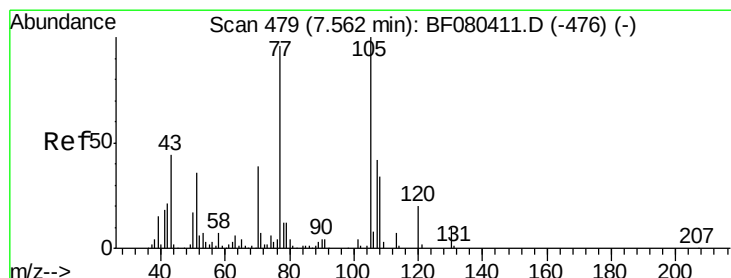
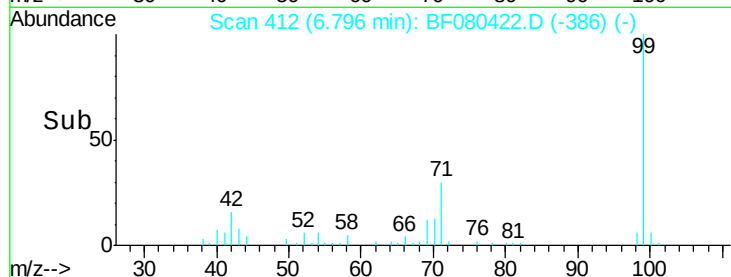
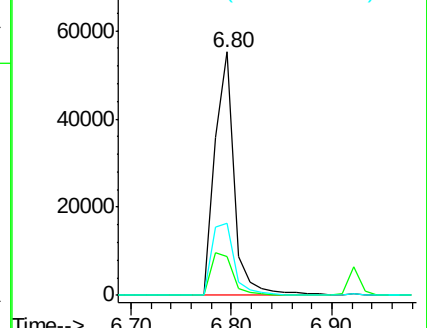
71 29.6 30.1 45.1#



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: 5.32 ng

RT: 7.71 min Scan# 492

Delta R.T. 0.15 min

Lab File: BF080422.D

Acq: 11 Jul 2015 8:24

Tgt Ion: 70 Resp: 6035

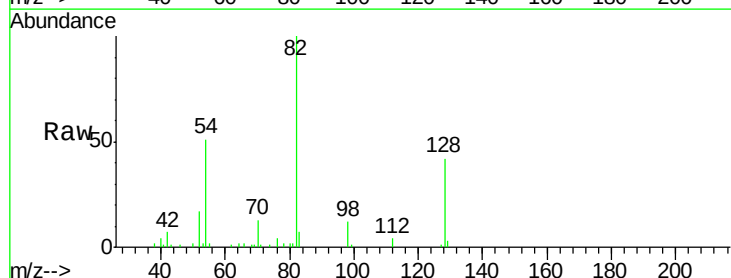
Ion Ratio Lower Upper

70 100

42 50.1 43.4 65.0

101 0.0 9.0 13.6#

130 0.0 19.5 29.3#

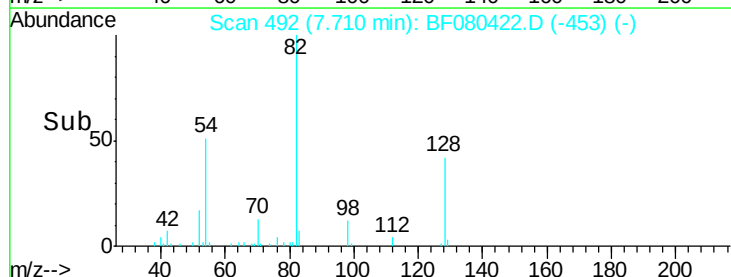
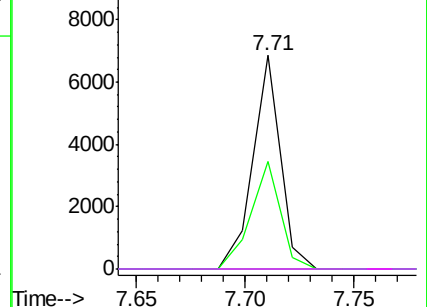


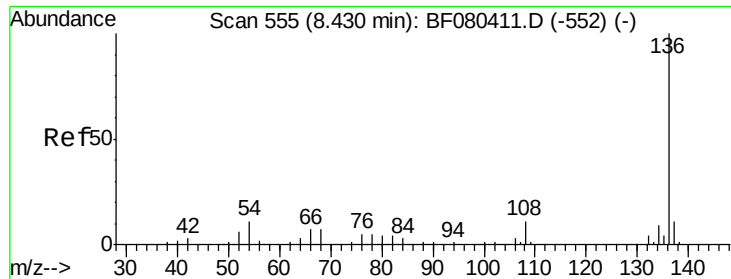
Abundance Ion 70.00 (69.70 to 70.70): BF0

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

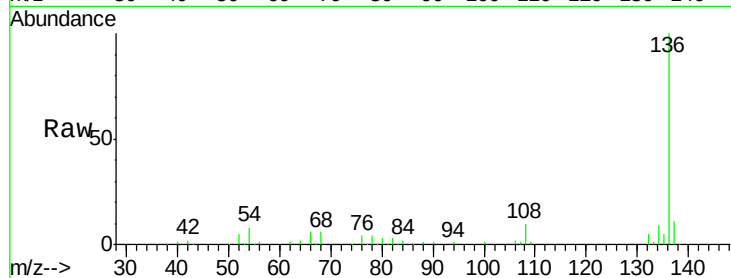




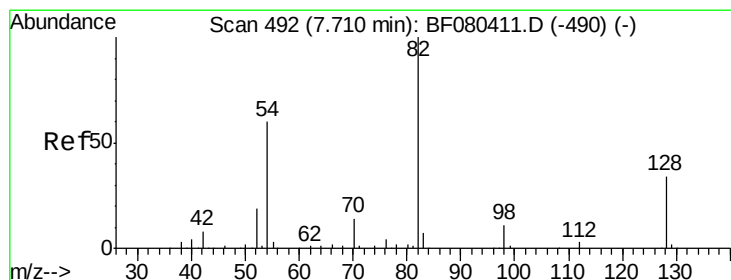
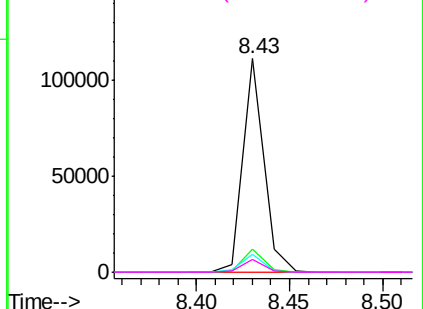
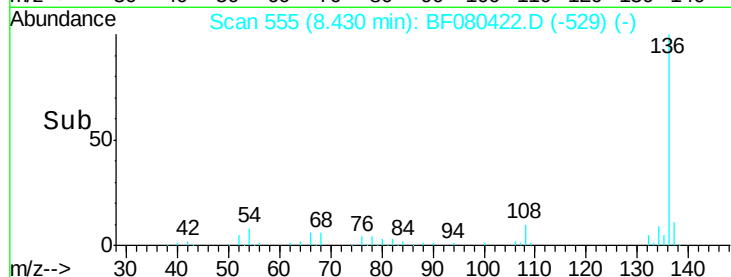
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.43 min Scan# 555
Delta R.T. 0.00 min
Lab File: BF080422.D
Acq: 11 Jul 2015 8:24

Instrument :
BNA_F
ClientSampleId :
TEC-E1

Tgt Ion: 136 Resp: 87782
Ion Ratio Lower Upper
136 100
137 10.7 9.0 13.4
54 8.3 9.1 13.7#
68 5.7 5.9 8.9#

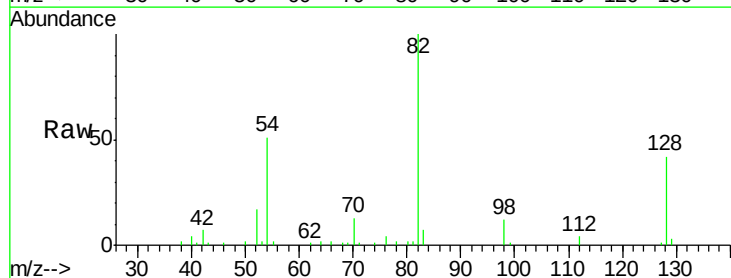


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

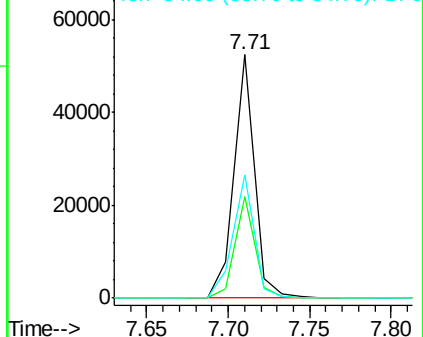
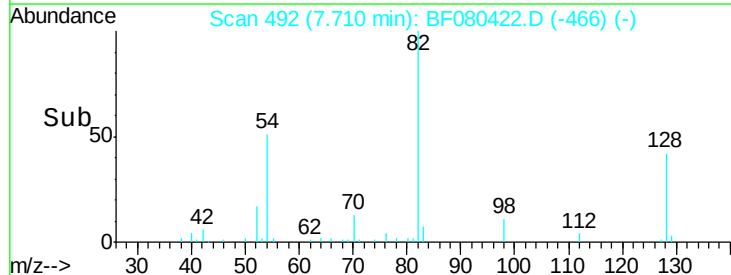


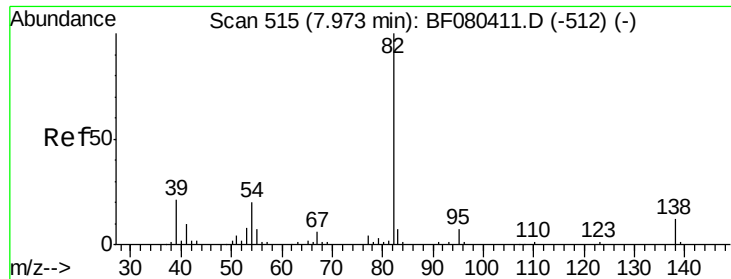
#23
Nitrobenzene-d5
Concen: 29.31 ng
RT: 7.71 min Scan# 492
Delta R.T. 0.00 min
Lab File: BF080422.D
Acq: 11 Jul 2015 8:24

Tgt Ion: 82 Resp: 45115
Ion Ratio Lower Upper
82 100
128 42.0 26.9 40.3#
54 50.6 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

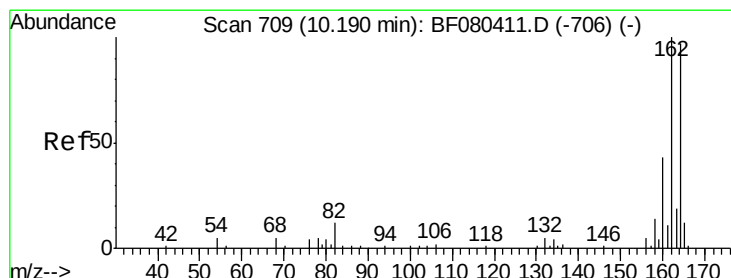
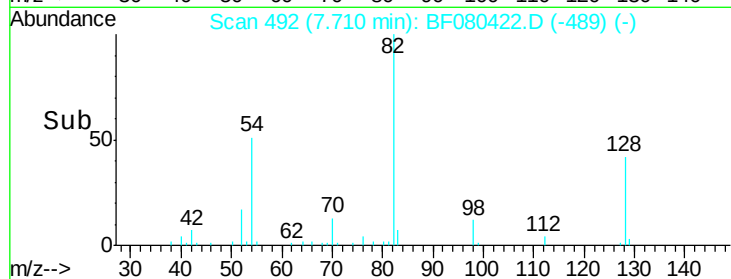
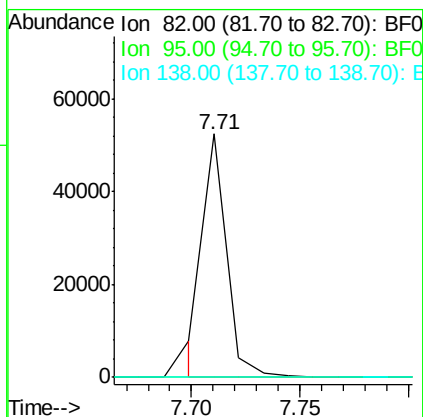
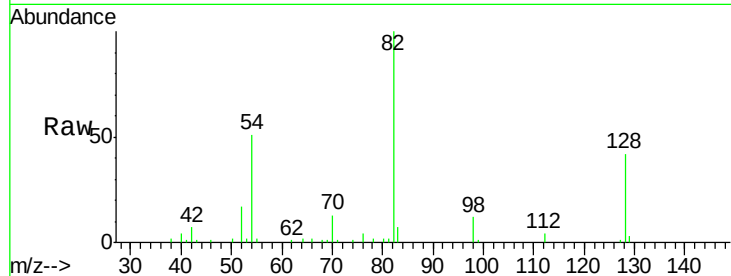




#25
Isophorone
Concen: 14.40 ng
RT: 7.71 min Scan# 492
Delta R.T. -0.26 min
Lab File: BF080422.D
Acq: 11 Jul 2015 8:24

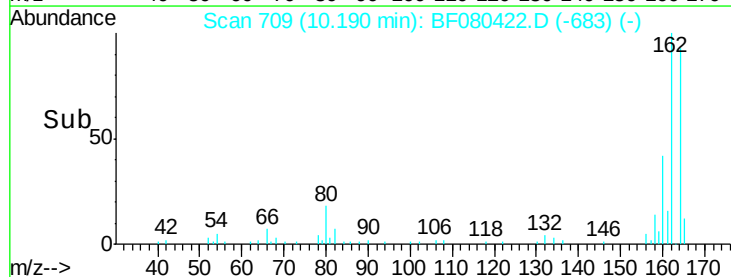
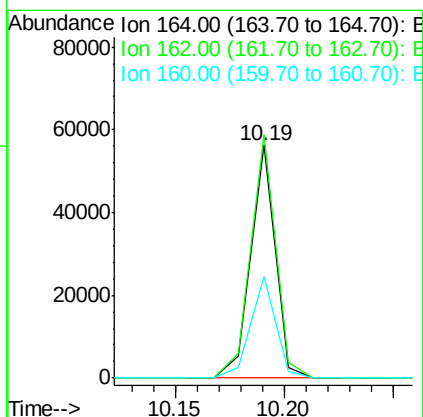
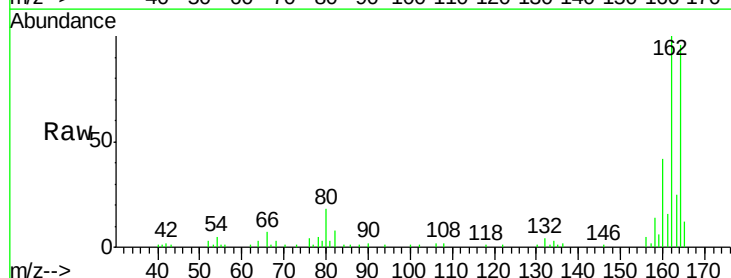
Instrument :
BNA_F
ClientSampleId :
TEC-E1

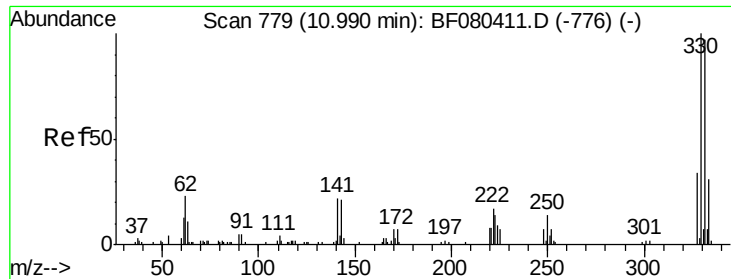
Tgt Ion: 82 Resp: 39734
Ion Ratio Lower Upper
82 100
95 0.0 5.4 8.2#
138 0.0 9.5 14.3#



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.19 min Scan# 709
Delta R.T. 0.00 min
Lab File: BF080422.D
Acq: 11 Jul 2015 8:24

Tgt Ion: 164 Resp: 44054
Ion Ratio Lower Upper
164 100
162 104.5 82.7 124.1
160 43.9 35.5 53.3





#41

2,4,6-Tribromophenol

Concen: 20.40 ng

RT: 10.98 min Scan# 778

Delta R.T. -0.01 min

Lab File: BF080422.D

Acq: 11 Jul 2015 8:24

Instrument :

BNA_F

ClientSampled :

TEC-E1

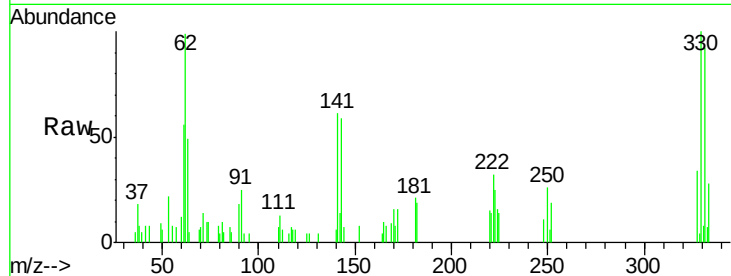
Tgt Ion:330 Resp: 8770

Ion Ratio Lower Upper

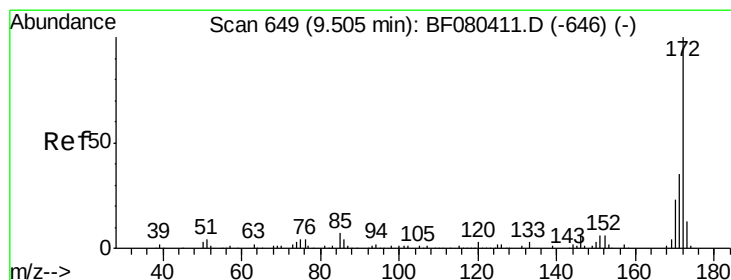
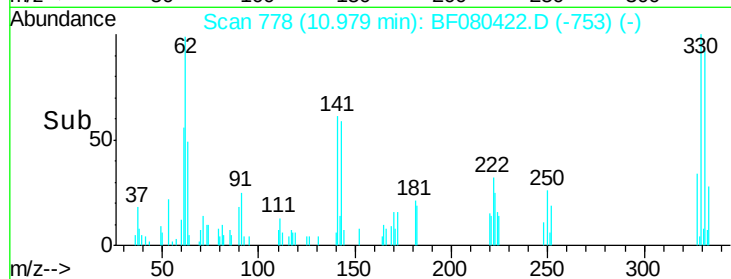
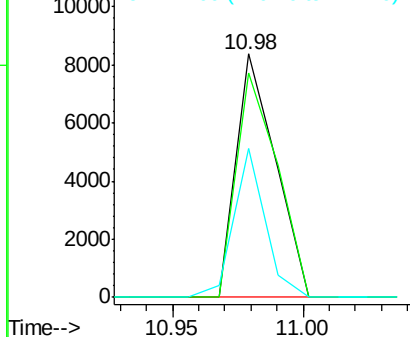
330 100

332 96.1 78.0 117.0

141 49.3 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: 29.69 ng

RT: 9.50 min Scan# 649

Delta R.T. 0.00 min

Lab File: BF080422.D

Acq: 11 Jul 2015 8:24

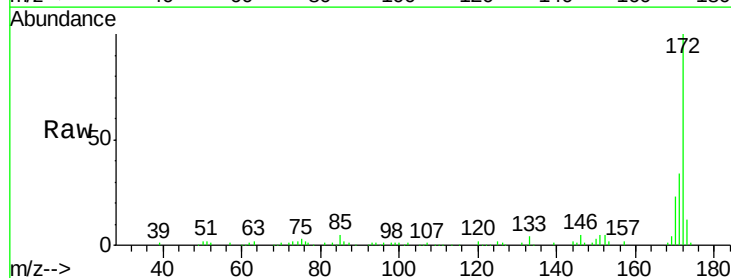
Tgt Ion:172 Resp: 97103

Ion Ratio Lower Upper

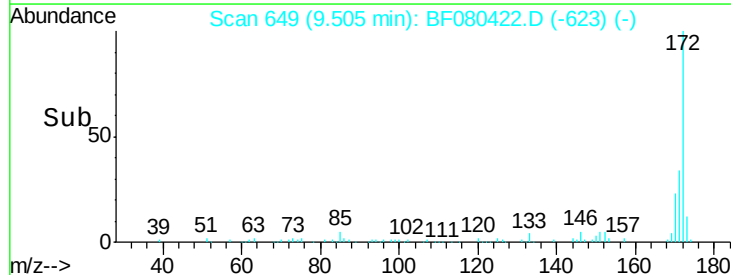
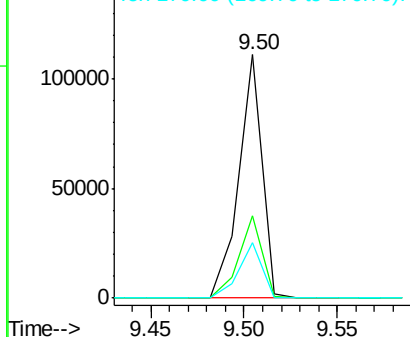
172 100

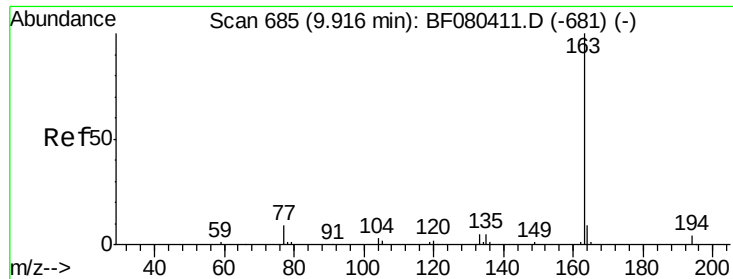
171 34.1 28.4 42.6

170 23.0 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





#49

Dimethylphthalate

Concen: 10.32 ng

RT: 9.90 min Scan# 684

Delta R.T. -0.01 min

Lab File: BF080422.D

Acq: 11 Jul 2015 8:24

Instrument :

BNA_F

ClientSampleId :

TEC-E1

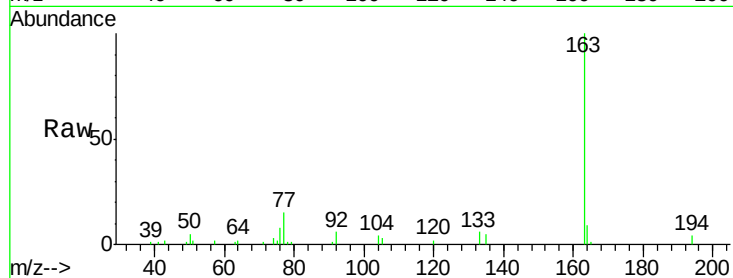
Tgt Ion:163 Resp: 34353

Ion Ratio Lower Upper

163 100

194 3.9 3.4 5.2

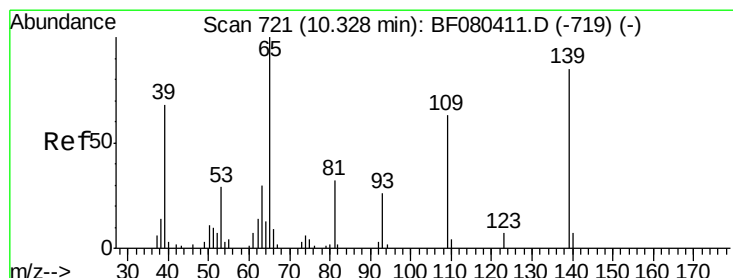
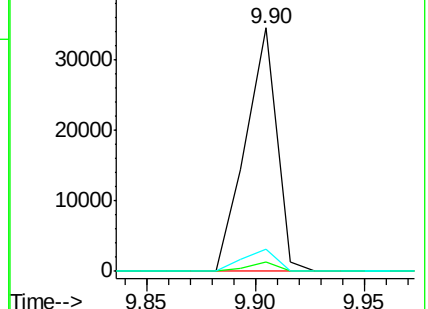
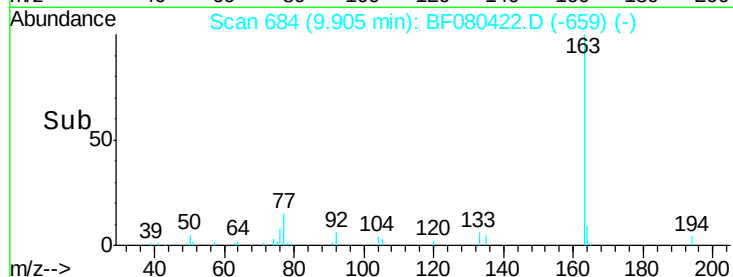
164 9.3 7.4 11.0



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



#55

4-Nitrophenol

Concen: 6.35 ng

RT: 10.40 min Scan# 727

Delta R.T. 0.07 min

Lab File: BF080422.D

Acq: 11 Jul 2015 8:24

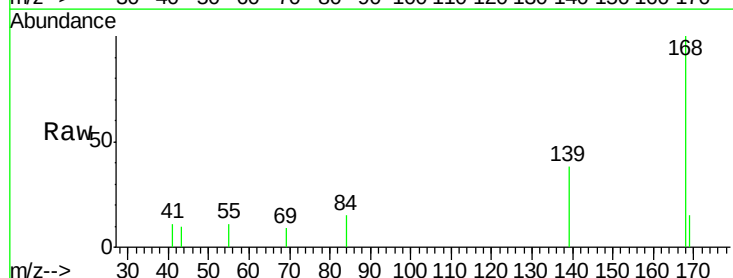
Tgt Ion:139 Resp: 875

Ion Ratio Lower Upper

139 100

109 0.0 54.6 94.6#

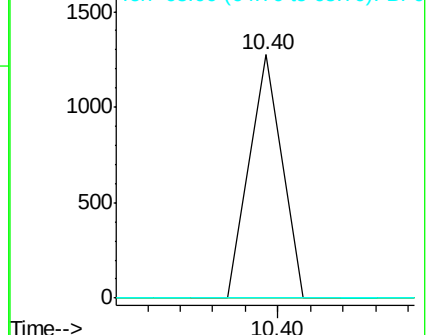
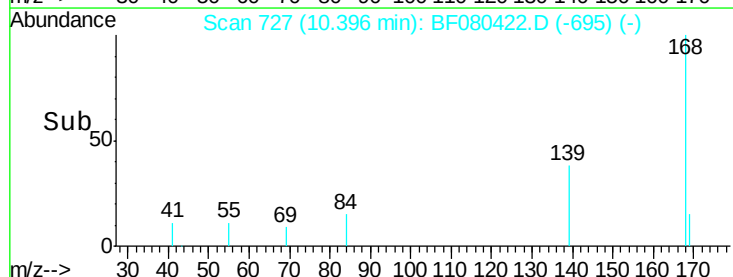
65 0.0 97.8 137.8#

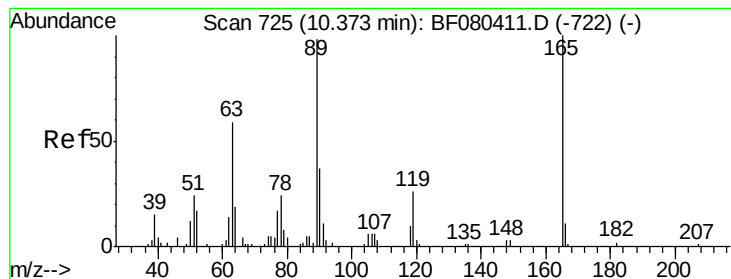


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0





#56

2,4-Dinitrotoluene

Concen: 6.28 ng

RT: 10.19 min Scan# 709

Delta R.T. -0.18 min

Lab File: BF080422.D

Acq: 11 Jul 2015 8:24

Instrument :

BNA_F

ClientSampleId :

TEC-E1

Tgt Ion:165 Resp: 5485

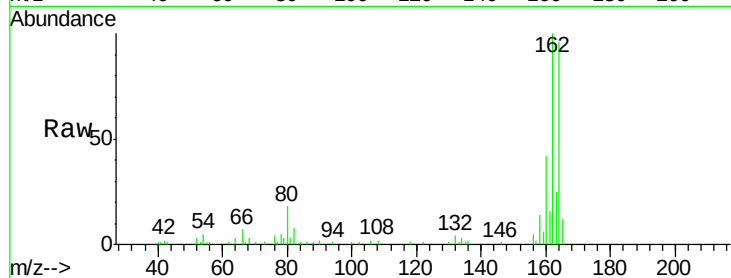
Ion Ratio Lower Upper

165 100

63 0.0 51.7 77.5#

89 0.0 78.6 117.8#

182 0.0 1.8 2.8#

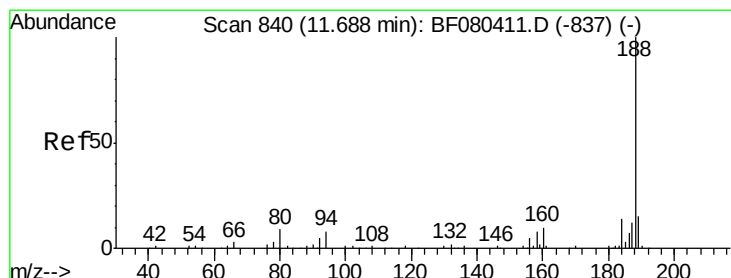
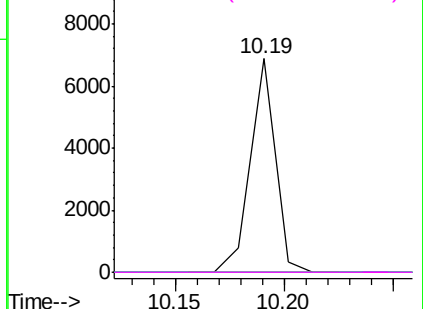
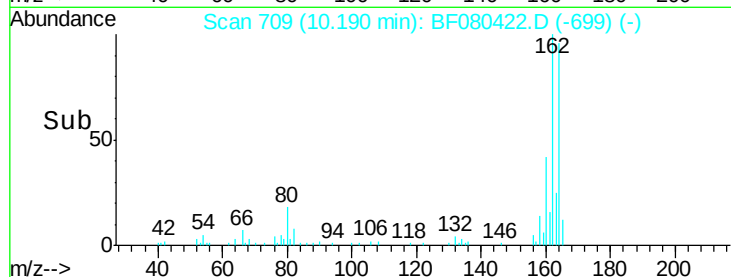


Abundance Ion 165.00 (164.70 to 165.70): E

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: 11.69 min Scan# 840

Delta R.T. 0.00 min

Lab File: BF080422.D

Acq: 11 Jul 2015 8:24

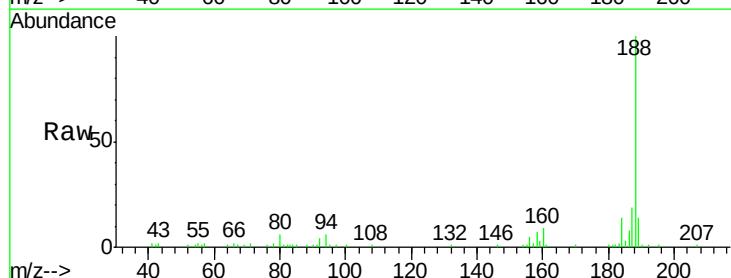
Tgt Ion:188 Resp: 77463

Ion Ratio Lower Upper

188 100

94 5.9 6.7 10.1#

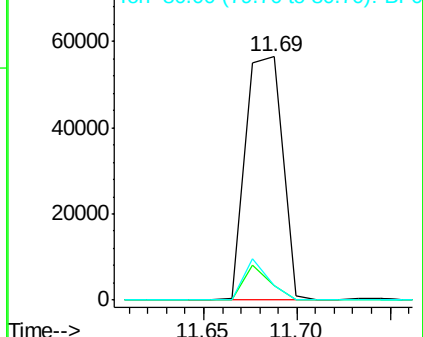
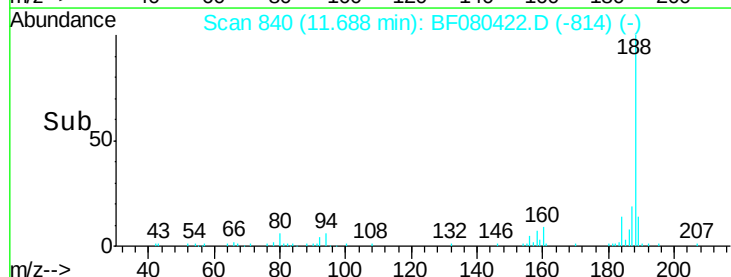
80 6.0 7.5 11.3#

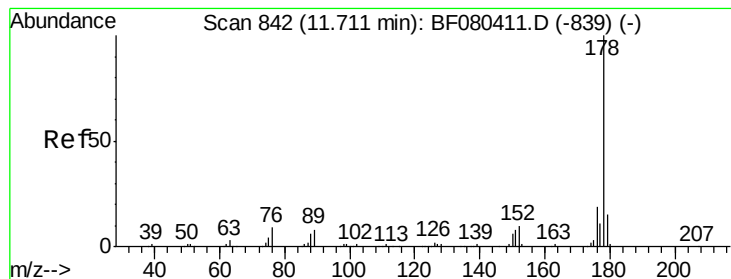


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 14.60 ng

RT: 11.71 min Scan# 842

Delta R.T. 0.00 min

Lab File: BF080422.D

Acq: 11 Jul 2015 8:24

Instrument :

BNA_F

ClientSampleId :

TEC-E1

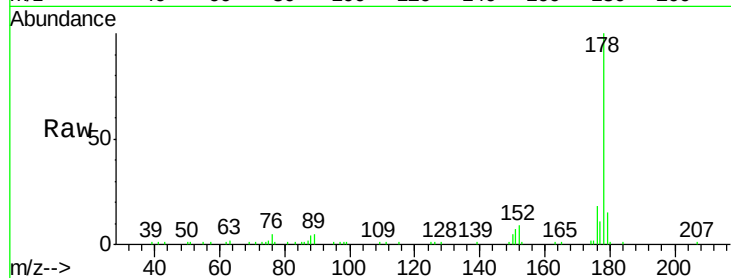
Tgt Ion:178 Resp: 67928

Ion Ratio Lower Upper

178 100

176 18.2 15.2 22.8

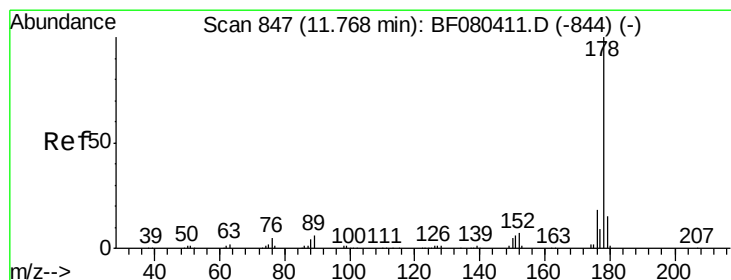
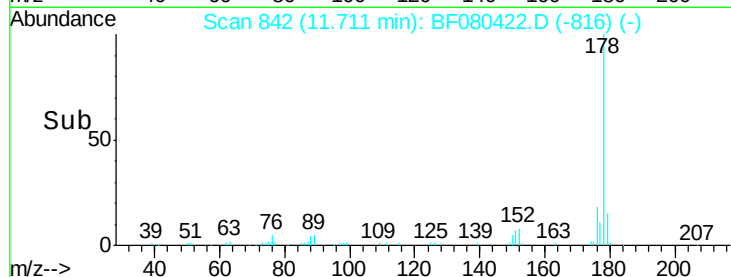
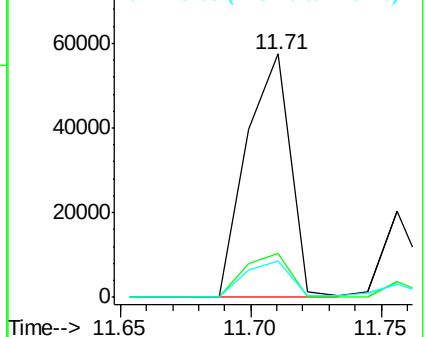
179 15.2 12.4 18.6



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: 4.51 ng

RT: 11.76 min Scan# 846

Delta R.T. -0.01 min

Lab File: BF080422.D

Acq: 11 Jul 2015 8:24

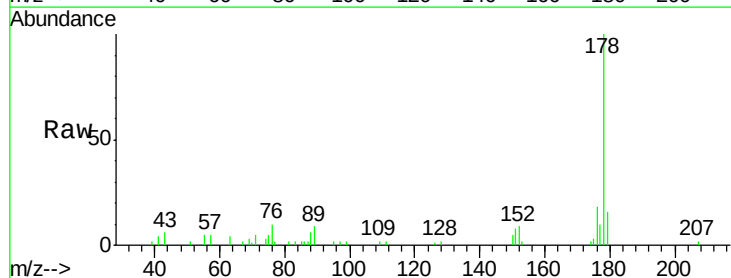
Tgt Ion:178 Resp: 19427

Ion Ratio Lower Upper

178 100

176 17.9 14.2 21.4

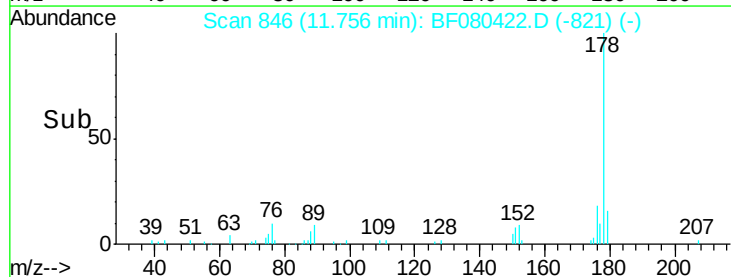
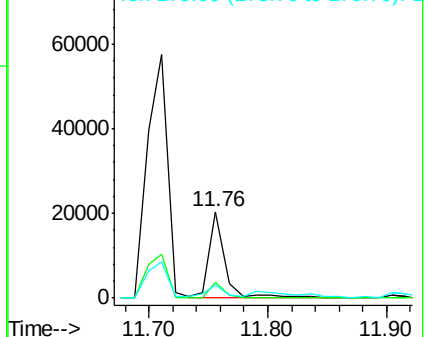
179 16.0 11.6 17.4

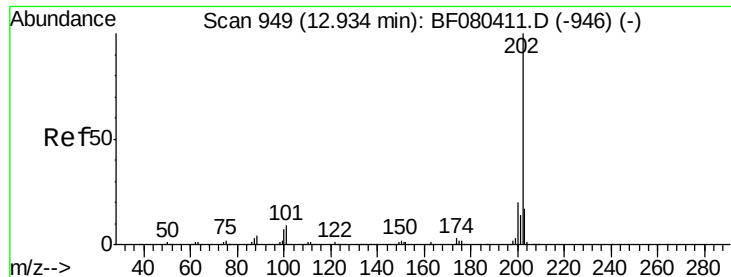


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 32.01 ng

RT: 12.91 min Scan# 947

Delta R.T. -0.02 min

Lab File: BF080422.D

Acq: 11 Jul 2015 8:24

Instrument :

BNA_F

ClientSampleId :

TEC-E1

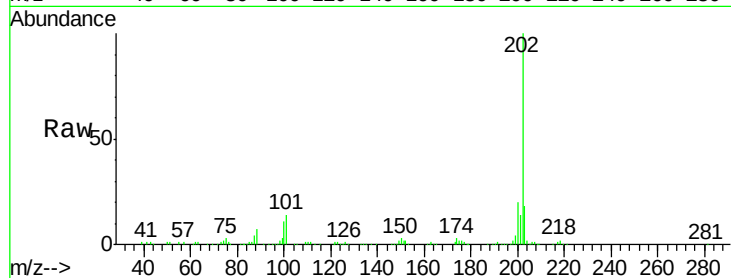
Tgt Ion:202 Resp: 154486

Ion Ratio Lower Upper

202 100

101 13.8 0.0 28.8

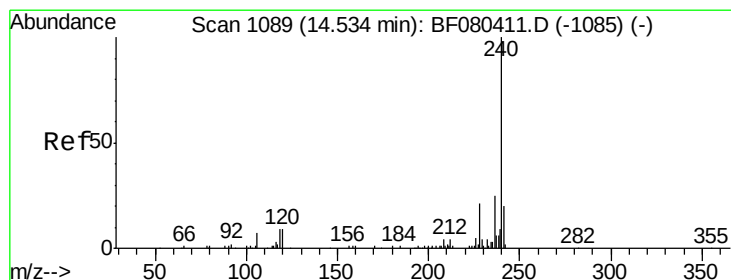
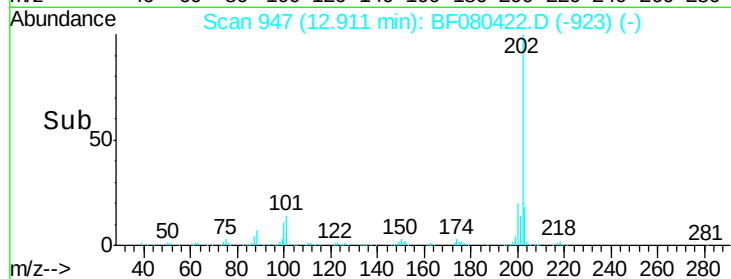
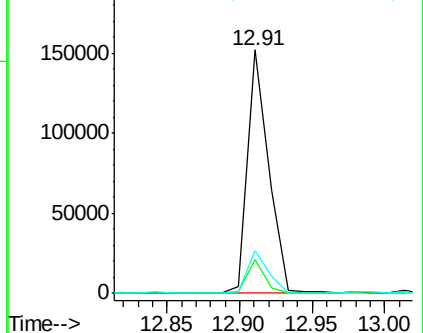
203 17.5 0.0 37.3



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: 14.48 min Scan# 1084

Delta R.T. -0.06 min

Lab File: BF080422.D

Acq: 11 Jul 2015 8:24

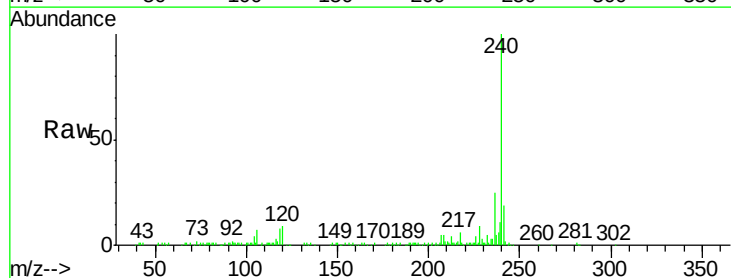
Tgt Ion:240 Resp: 93715

Ion Ratio Lower Upper

240 100

120 8.9 7.4 11.2

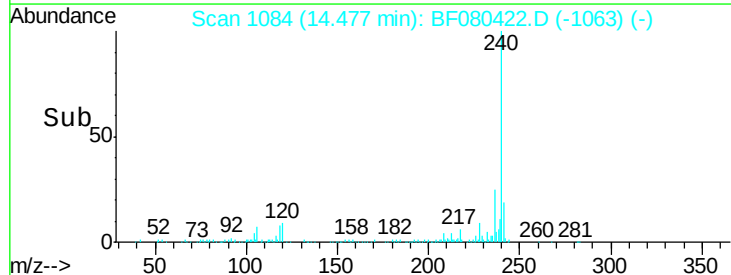
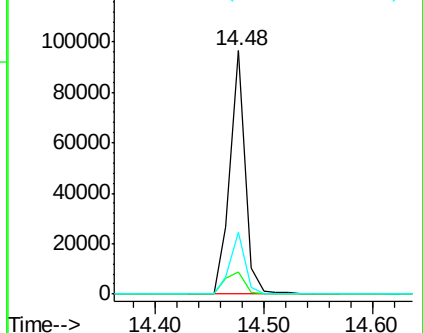
236 25.3 19.7 29.5

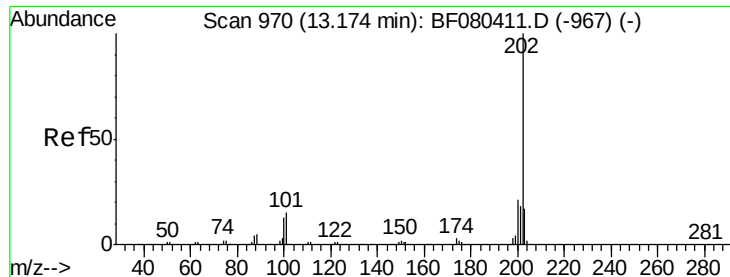


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 24.93 ng

RT: 13.15 min Scan# 968

Delta R.T. -0.02 min

Lab File: BF080422.D

Acq: 11 Jul 2015 8:24

Instrument :

BNA_F

ClientSampled :

TEC-E1

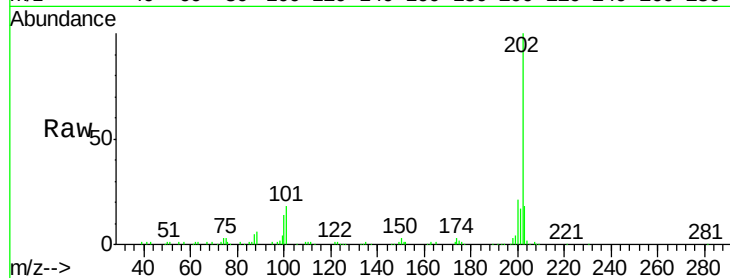
Tgt Ion:202 Resp: 149690

Ion Ratio Lower Upper

202 100

200 20.9 17.0 25.6

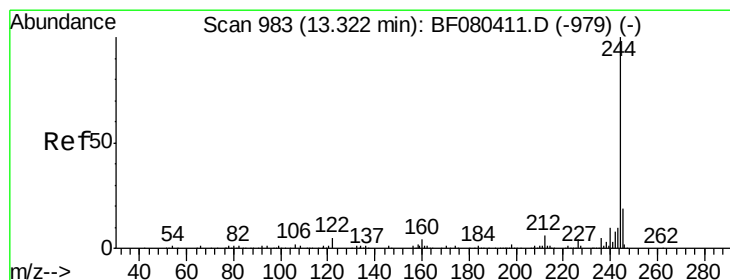
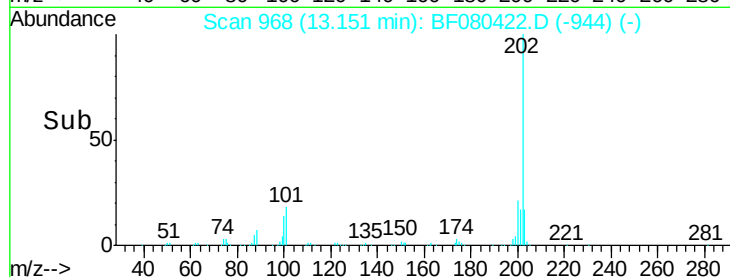
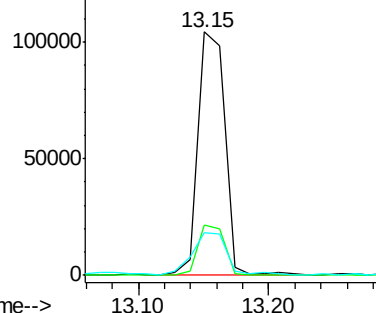
203 17.8 13.8 20.8



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: 25.49 ng

RT: 13.29 min Scan# 980

Delta R.T. -0.03 min

Lab File: BF080422.D

Acq: 11 Jul 2015 8:24

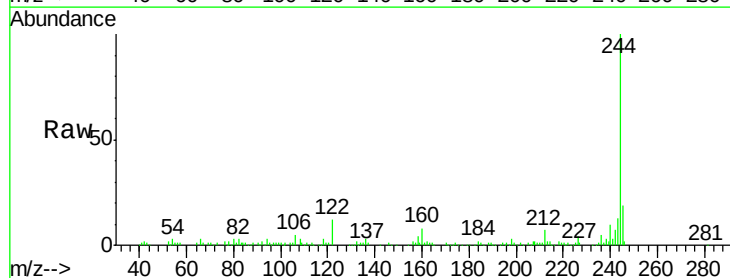
Tgt Ion:244 Resp: 109981

Ion Ratio Lower Upper

244 100

212 7.1 4.9 7.3

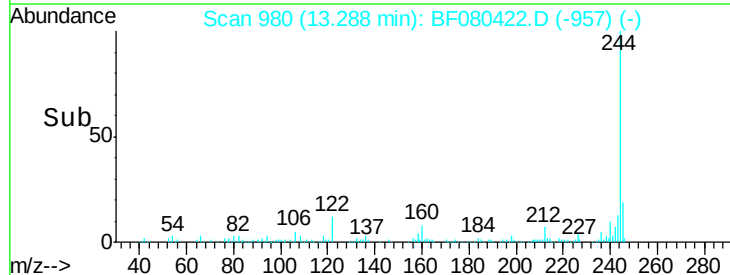
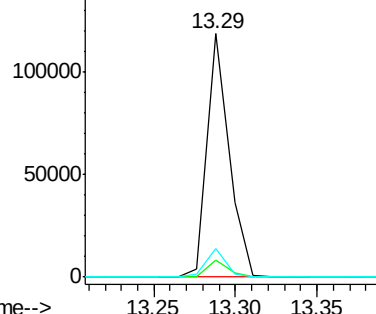
122 12.0 4.1 6.1#

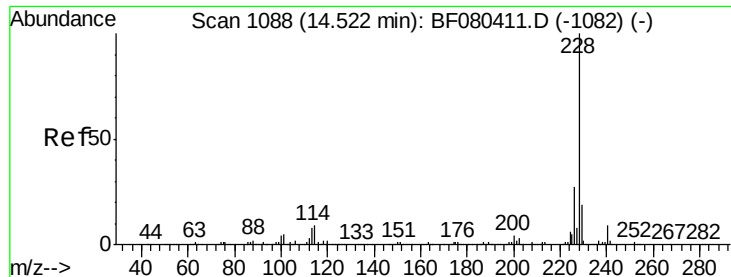


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 16.03 ng

RT: 14.47 min Scan# 1083

Delta R.T. -0.06 min

Lab File: BF080422.D

Acq: 11 Jul 2015 8:24

Instrument :

BNA_F

ClientSampleId :

TEC-E1

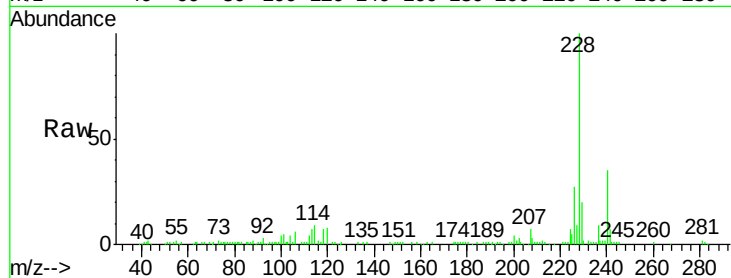
Tgt Ion:228 Resp: 94650

Ion Ratio Lower Upper

228 100

226 26.9 21.7 32.5

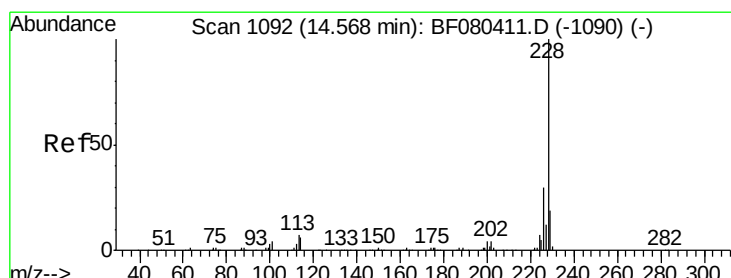
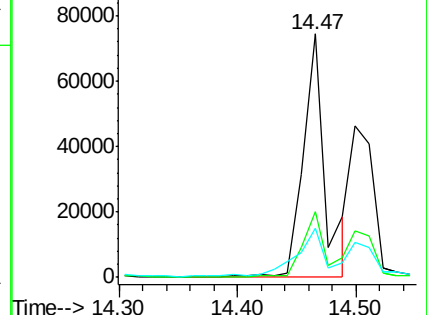
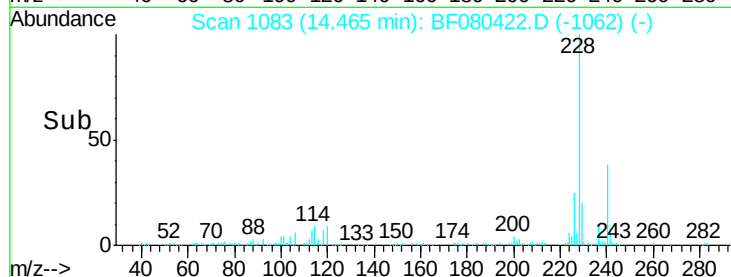
229 20.3 15.5 23.3



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: 11.57 ng

RT: 14.50 min Scan# 1086

Delta R.T. -0.07 min

Lab File: BF080422.D

Acq: 11 Jul 2015 8:24

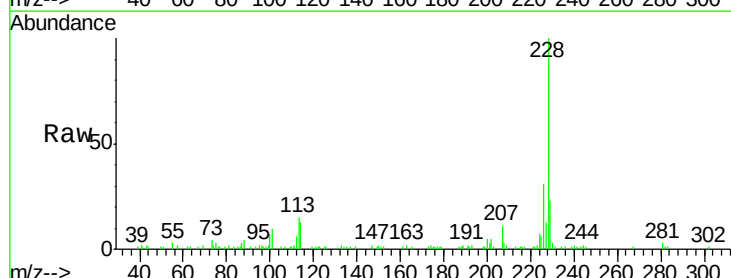
Tgt Ion:228 Resp: 62914

Ion Ratio Lower Upper

228 100

226 30.5 24.3 36.5

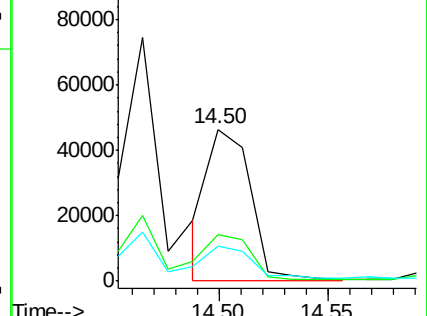
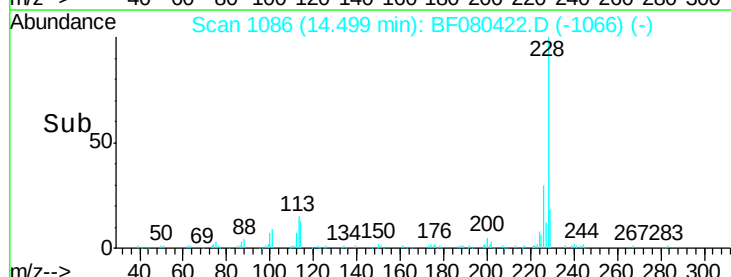
229 23.1 15.5 23.3

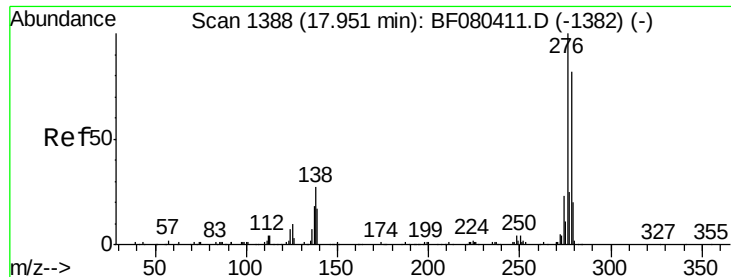


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

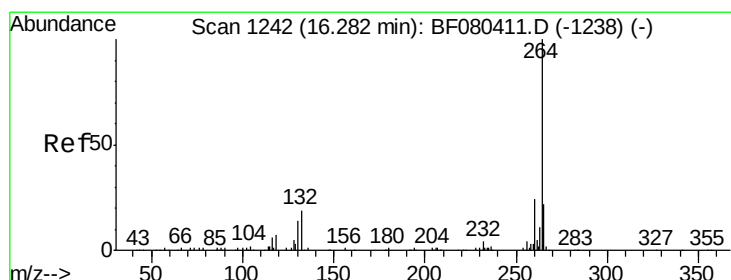
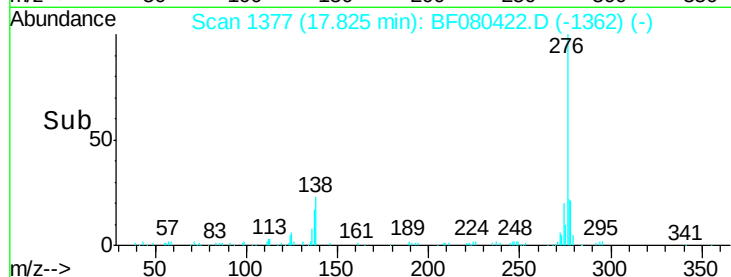
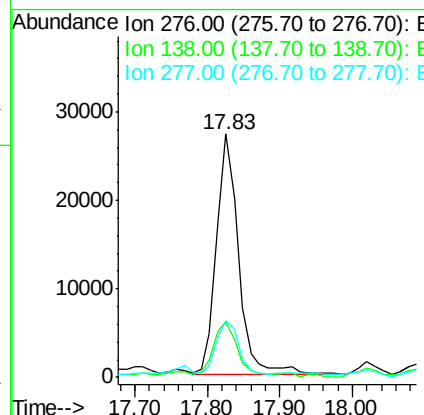
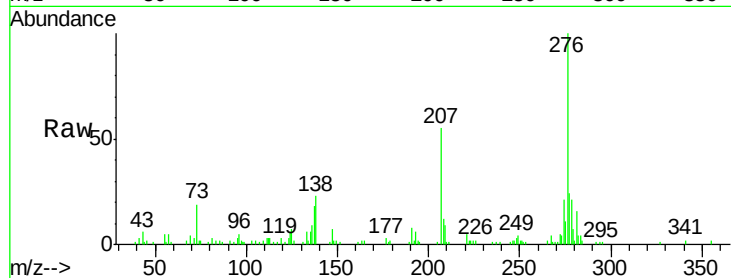




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 8.45 ng
 RT: 17.83 min Scan# 1377
 Delta R.T. -0.13 min
 Lab File: BF080422.D
 Acq: 11 Jul 2015 8:24

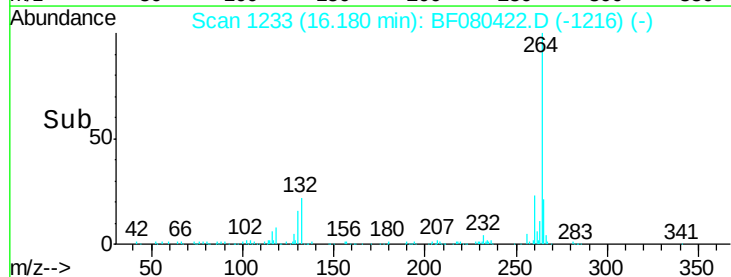
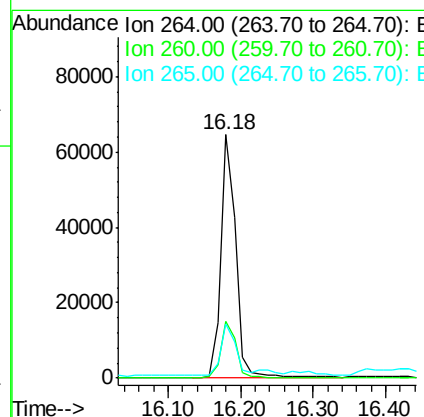
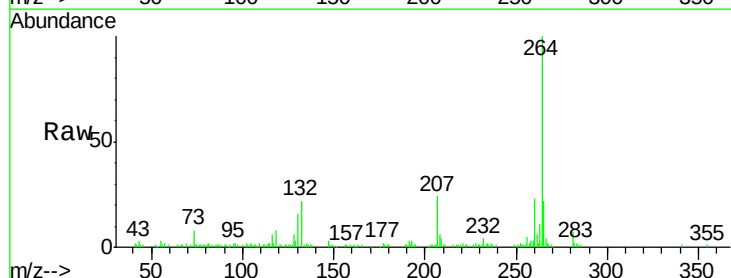
Instrument :
 BNA_F
 ClientSampleId :
 TEC-E1

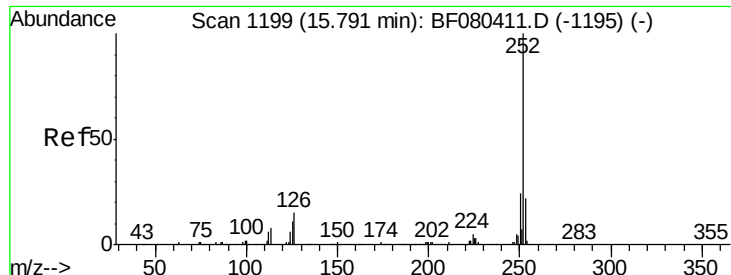
Tgt Ion	Ratio	Lower	Upper
276	100		
138	22.7	21.4	32.0
277	22.7	19.5	29.3



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 16.18 min Scan# 1233
 Delta R.T. -0.10 min
 Lab File: BF080422.D
 Acq: 11 Jul 2015 8:24

Tgt Ion	Ratio	Lower	Upper
264	100		
260	23.5	19.4	29.2
265	22.2	17.8	26.8

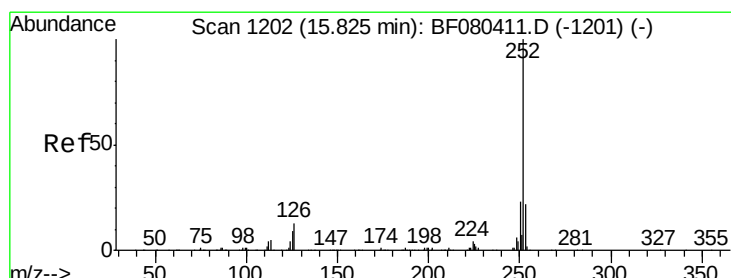
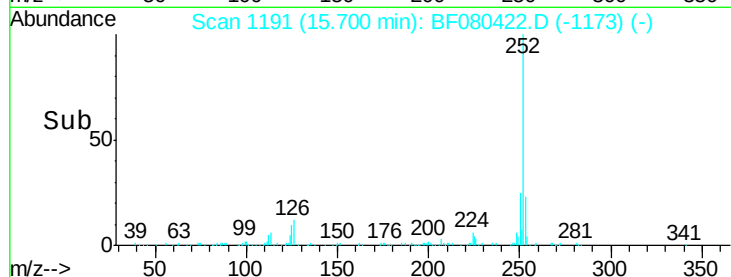
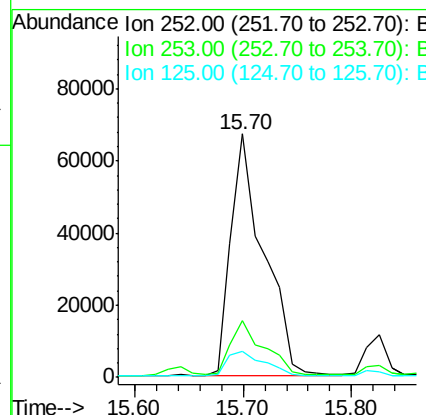
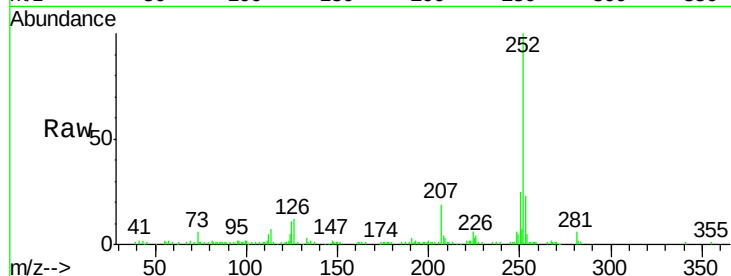




#87
Benzo(b)fluoranthene
Concen: 21.85 ng
RT: 15.70 min Scan# 1191
Delta R.T. -0.09 min
Lab File: BF080422.D
Acq: 11 Jul 2015 8:24

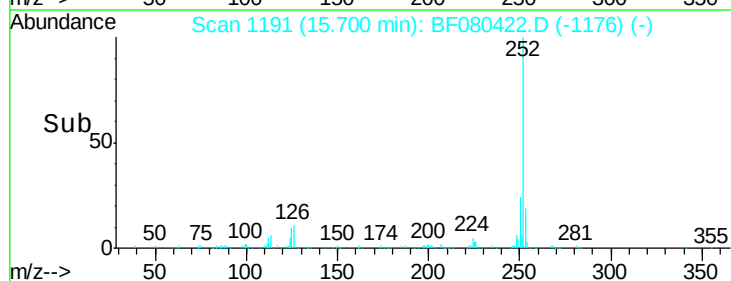
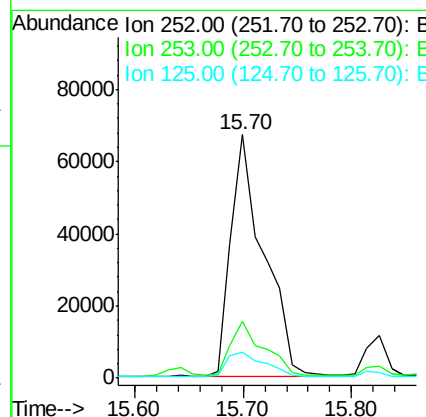
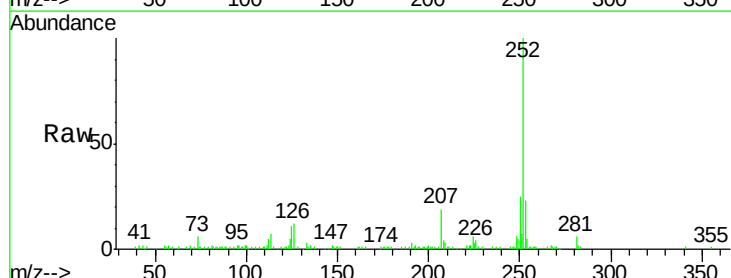
Instrument :
BNA_F
ClientSampleId :
TEC-E1

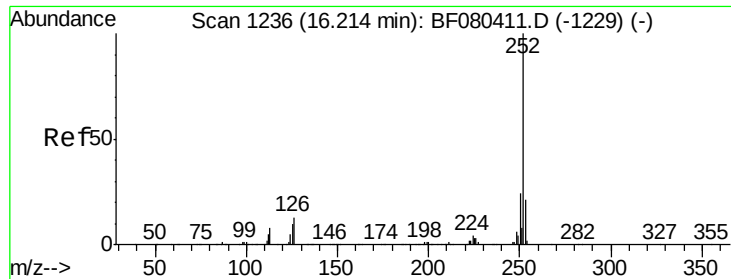
Tgt Ion:252 Resp: 141158
Ion Ratio Lower Upper
252 100
253 23.4 17.8 26.8
125 10.6 8.6 12.8



#88
Benzo(k)fluoranthene
Concen: 26.72 ng
RT: 15.70 min Scan# 1191
Delta R.T. -0.13 min
Lab File: BF080422.D
Acq: 11 Jul 2015 8:24

Tgt Ion:252 Resp: 141158
Ion Ratio Lower Upper
252 100
253 23.4 17.7 26.5
125 10.6 8.4 12.6

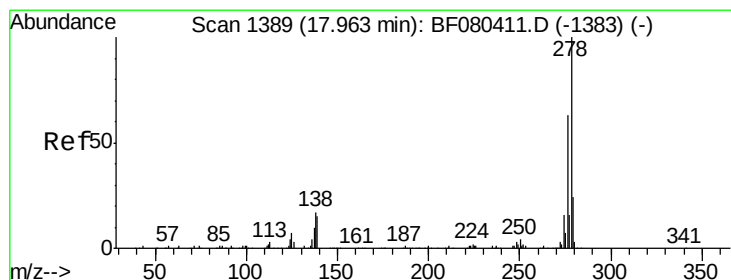
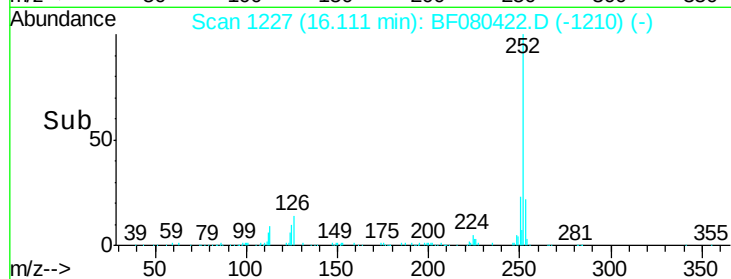
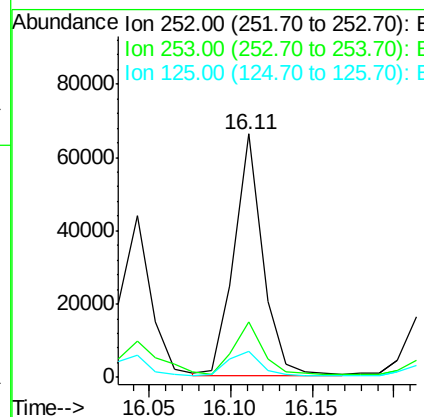
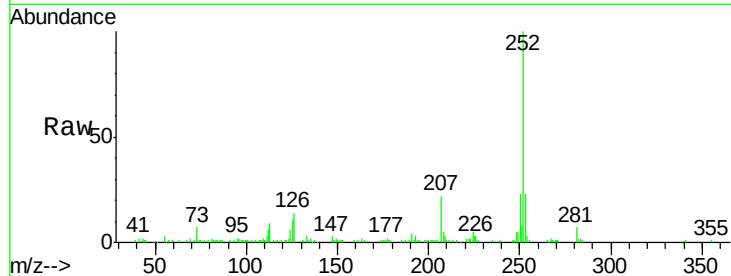




#89
Benzo(a)pyrene
Concen: 14.22 ng
RT: 16.11 min Scan# 1227
Delta R.T. -0.10 min
Lab File: BF080422.D
Acq: 11 Jul 2015 8:24

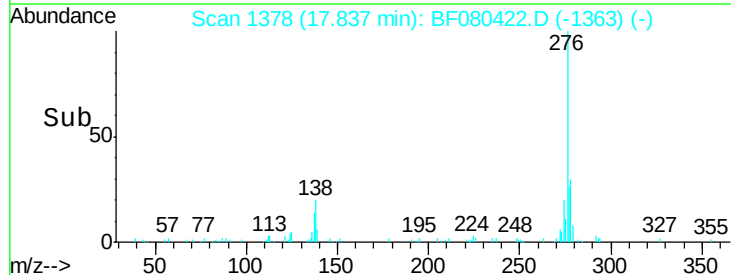
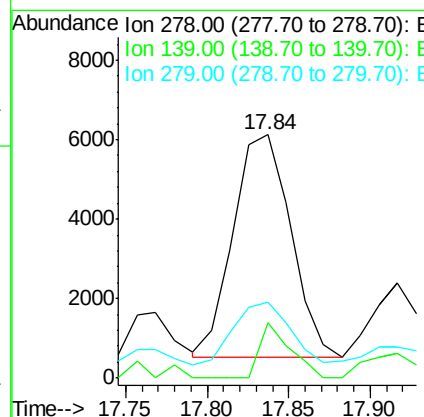
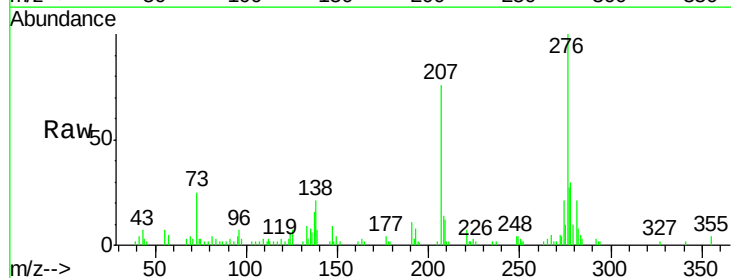
Instrument :
BNA_F
ClientSampleId :
TEC-E1

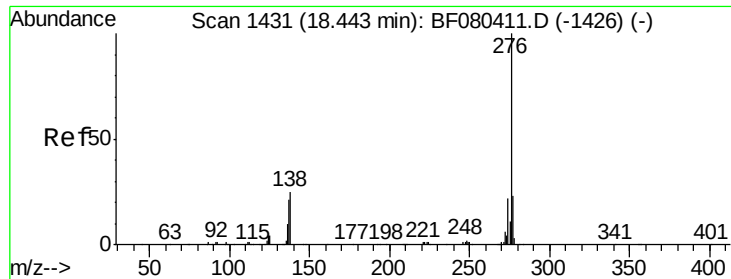
Tgt Ion:252 Resp: 80466
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.6
125 10.8 8.1 12.1



#90
Dibenzo(a,h)anthracene
Concen: 2.43 ng
RT: 17.84 min Scan# 1378
Delta R.T. -0.13 min
Lab File: BF080422.D
Acq: 11 Jul 2015 8:24

Tgt Ion:278 Resp: 13615
Ion Ratio Lower Upper
278 100
139 22.5 11.8 17.8#
279 31.4 18.8 28.2#





#91
 Benzo(g,h,i)perylene
 Concen: 10.88 ng
 RT: 18.33 min Scan# 1421
 Delta R.T. -0.11 min
 Lab File: BF080422.D
 Acq: 11 Jul 2015 8:24

Instrument :
 BNA_F
 ClientSampleId :
 TEC-E1

Tgt Ion: 276 Resp: 60613
 Ion Ratio Lower Upper
 276 100
 277 24.2 18.2 27.4
 138 23.3 20.3 30.5

