

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF042915\
 Data File : BF078830.D
 Acq On : 30 Apr 2015 1:21
 Operator : TP/IZ
 Sample : G2002-04
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-03

Quant Time: Apr 30 03:47:44 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF042815.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Apr 30 01:56:50 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.38	152	69643	20.00	ng	0.00
21) Naphthalene-d8	8.96	136	289153	20.00	ng	0.00
38) Acenaphthene-d10	11.14	164	134755	20.00	ng	0.00
63) Phenanthrene-d10	12.98	188	265343	20.00	ng	0.00
75) Chrysene-d12	16.27	240	292208	20.00	ng	-0.01
86) Perylene-d12	17.98	264	299767	20.00	ng	-0.03

System Monitoring Compounds						
5) 2-Fluorophenol	5.68	112	441706	116.49	ng	0.01
7) Phenol-d6	6.92	99	595391	117.57	ng	0.00
23) Nitrobenzene-d5	8.07	82	313845	78.15	ng	0.00
41) 2,4,6-Tribromophenol	12.11	330	145713	109.62	ng	-0.01
44) 2-Fluorobiphenyl	10.31	172	634952	64.53	ng	0.00
78) Terphenyl-d14	14.98	244	729238	59.43	ng	0.00

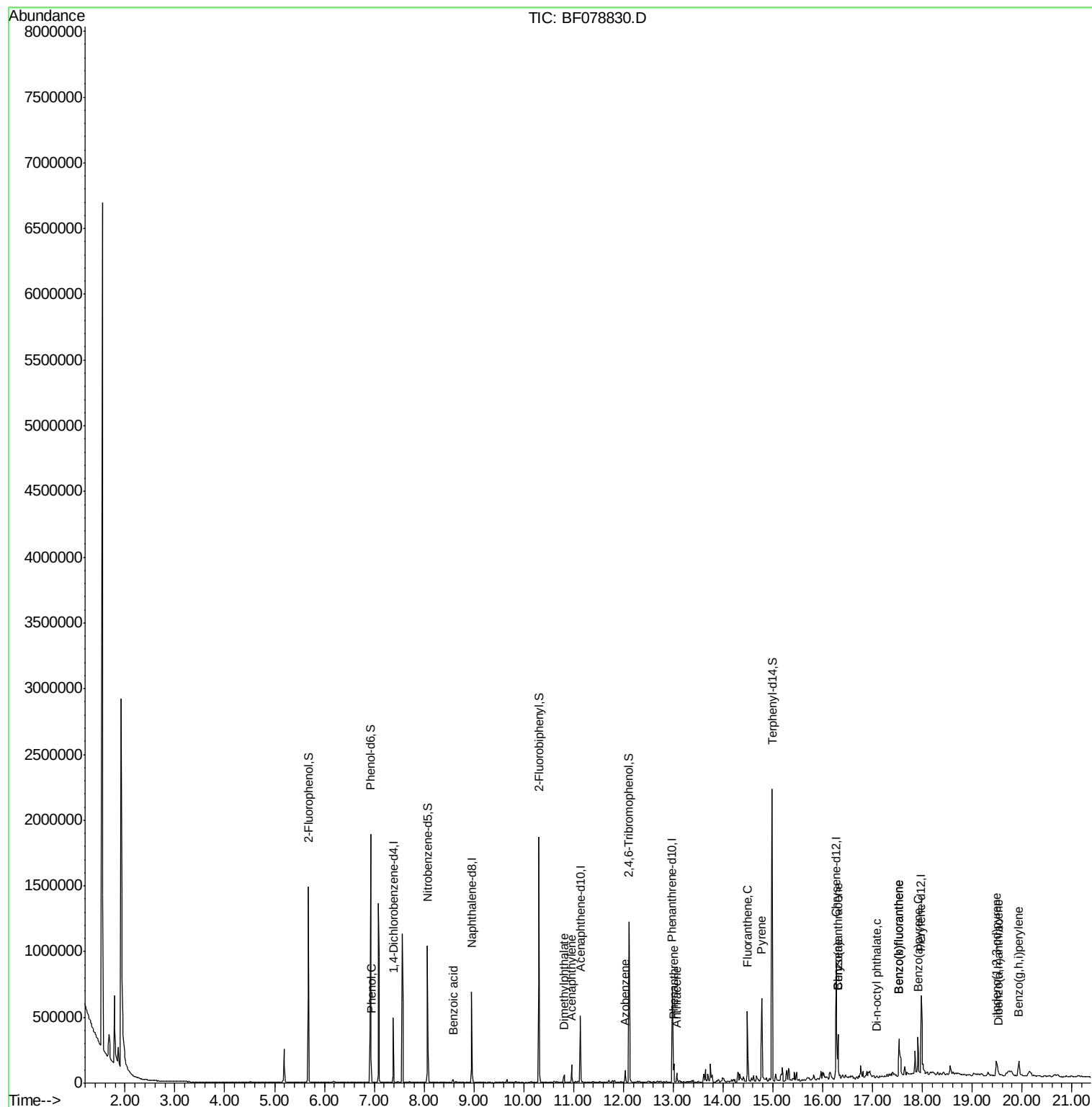
Target Compounds						Qvalue
10) Phenol	6.94	94	17331	2.90	ng	78
32) Benzoic acid	8.58	122	5580	4.57	ng	97
48) Acenaphthylene	10.96	152	63685	4.60	ng	98
49) Dimethylphthalate	10.81	163	25230	2.63	ng	97
62) Azobenzene	12.03	77	21715	2.23	ng	# 1
69) Pentachlorophenol	12.74	266	640	Below Cal		# 54
70) Phenanthrene	13.02	178	69789	4.86	ng	99
71) Anthracene	13.07	178	31237	2.22	ng	98
74) Fluoranthene	14.49	202	226604	15.82	ng	98
77) Pyrene	14.78	202	272398	15.95	ng	99
80) Benzo(a)anthracene	16.31	228	92119	5.88	ng	96
82) Chrysene	16.31	228	137101	8.97	ng	99
84) Di-n-octyl phthalate	17.09	149	961	6.99	ng	# 100
85) Indeno(1,2,3-cd)pyrene	19.49	276	95278	5.50	ng	# 100
87) Benzo(b)fluoranthene	17.53	252	236458	14.57	ng	98
88) Benzo(k)fluoranthene	17.53	252	239077	15.20	ng	98
89) Benzo(a)pyrene	17.91	252	137044	9.44	ng	# 94
90) Dibenzo(a,h)anthracene	19.52	278	31645	2.10	ng	98
91) Benzo(g,h,i)perylene	19.93	276	97209	6.44	ng	95

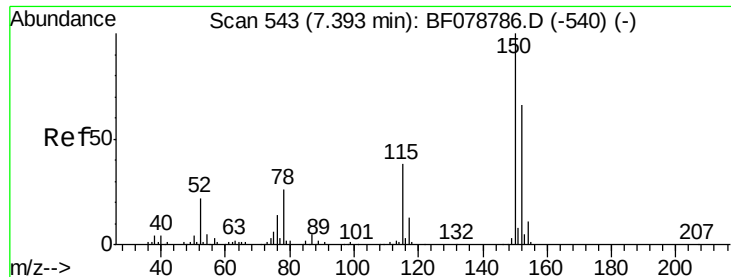
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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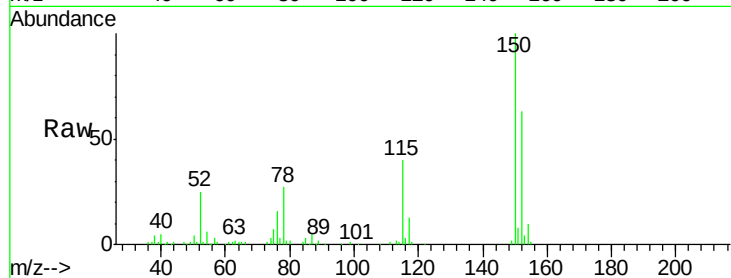


#1

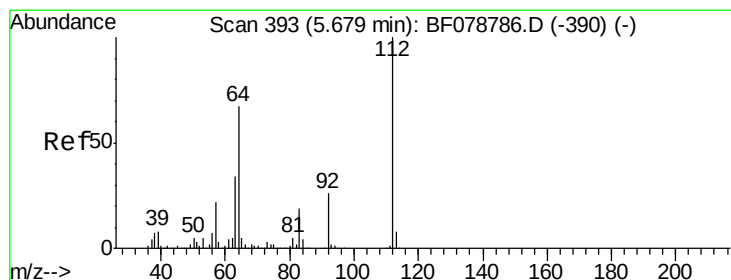
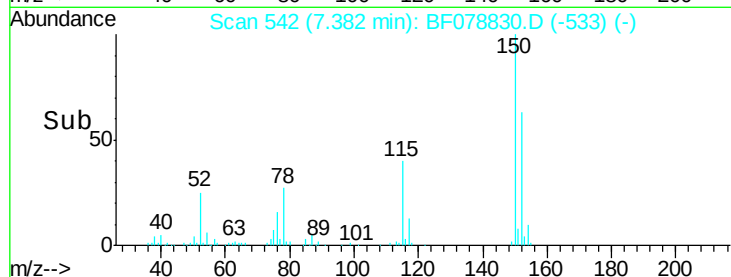
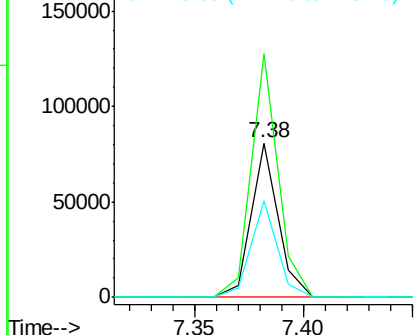
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.38 min Scan# 542
Delta R.T. -0.00 min
Lab File: BF078830.D
Acq: 30 Apr 2015 1:21

Instrument :
BNA_F
ClientSampleId :
TEC-03

Tgt Ion:152 Resp: 69643
Ion Ratio Lower Upper
152 100
150 157.7 122.0 183.0
115 62.5 46.3 69.5



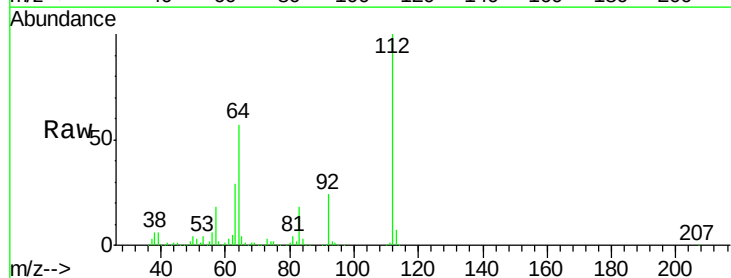
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



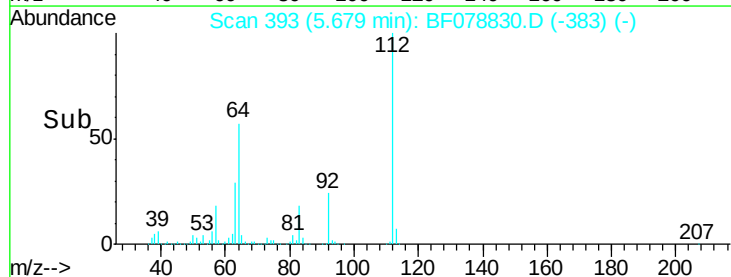
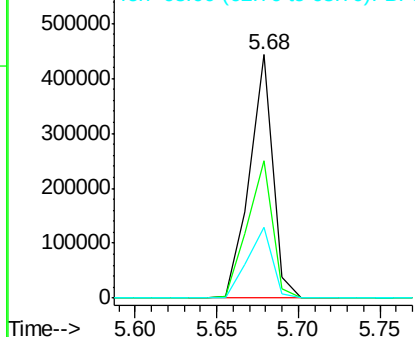
#5

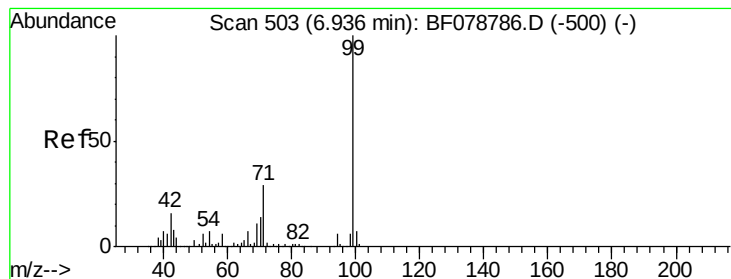
2-Fluorophenol
Concen: 116.49 ng
RT: 5.68 min Scan# 393
Delta R.T. 0.01 min
Lab File: BF078830.D
Acq: 30 Apr 2015 1:21

Tgt Ion:112 Resp: 441706
Ion Ratio Lower Upper
112 100
64 56.6 53.5 80.3
63 29.0 27.5 41.3



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: 117.57 ng

RT: 6.92 min Scan# 502

Delta R.T. -0.00 min

Lab File: BF078830.D

Acq: 30 Apr 2015 1:21

Instrument :

BNA_F

ClientSampled :

TEC-03

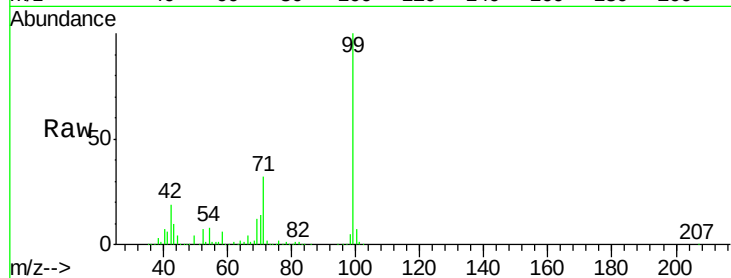
Tgt Ion: 99 Resp: 595391

Ion Ratio Lower Upper

99 100

42 18.9 12.8 19.2

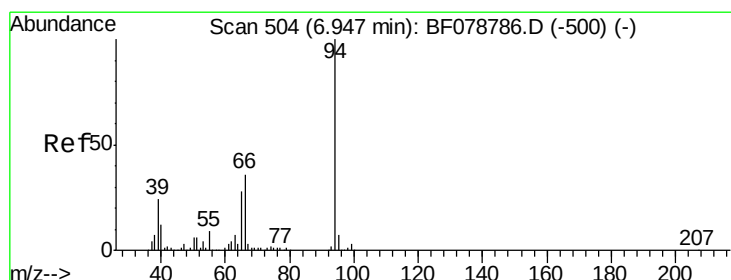
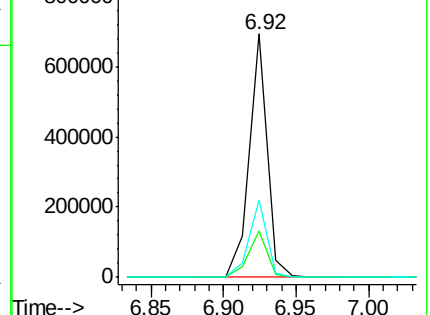
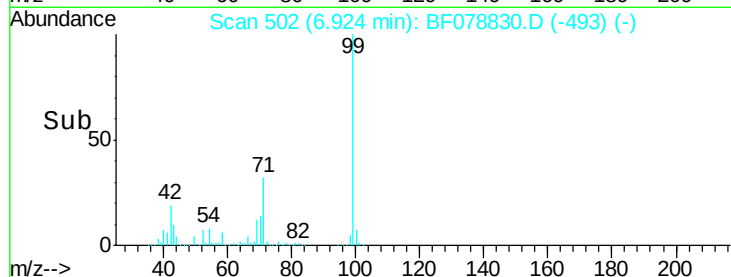
71 31.5 23.4 35.2



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



#10

Phenol

Concen: 2.90 ng

RT: 6.94 min Scan# 503

Delta R.T. -0.00 min

Lab File: BF078830.D

Acq: 30 Apr 2015 1:21

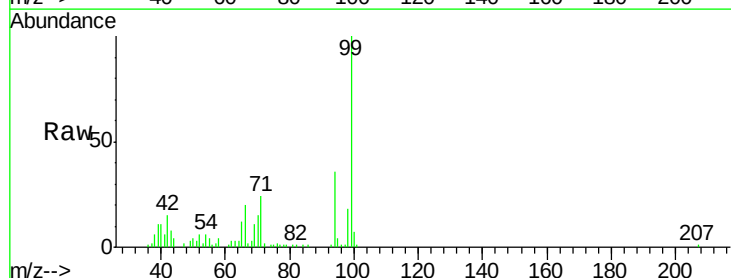
Tgt Ion: 94 Resp: 17331

Ion Ratio Lower Upper

94 100

65 33.0 8.5 48.5

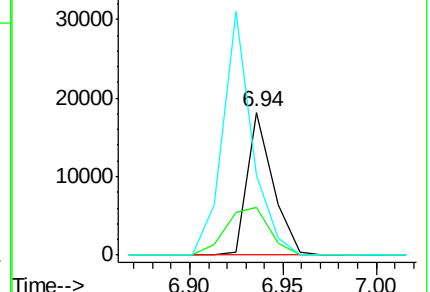
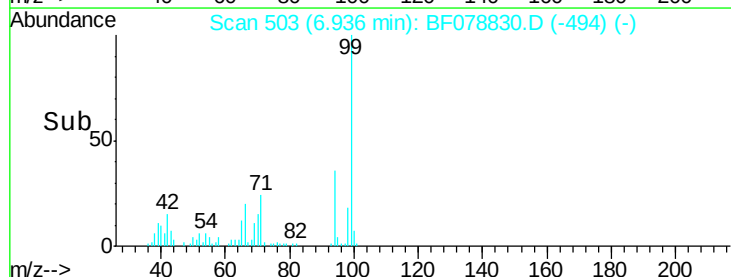
66 55.5 16.0 56.0

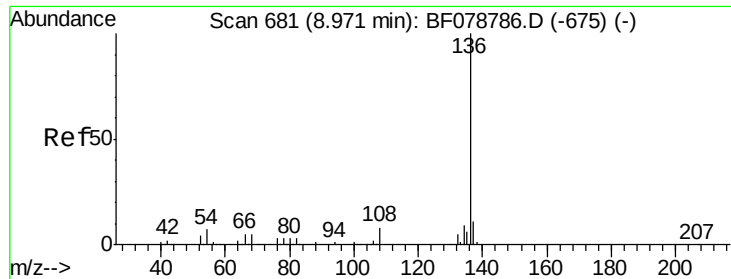


Abundance Ion 94.00 (93.70 to 94.70): BF0

Ion 65.00 (64.70 to 65.70): BF0

Ion 66.00 (65.70 to 66.70): BF0

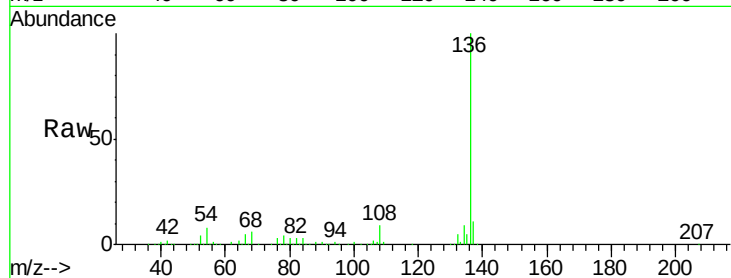




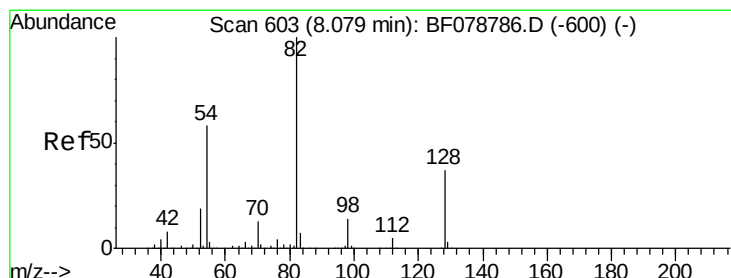
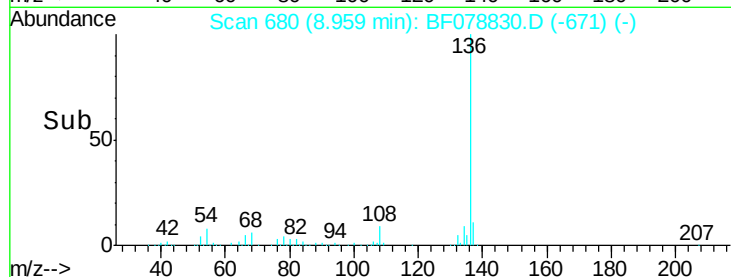
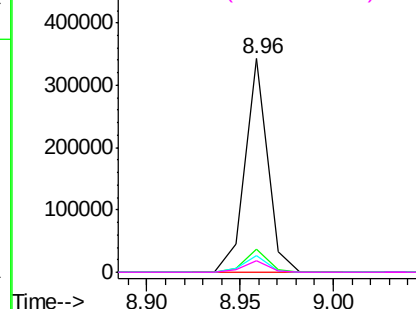
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.96 min Scan# 680
Delta R.T. -0.00 min
Lab File: BF078830.D
Acq: 30 Apr 2015 1:21

Instrument :
BNA_F
ClientSampleId :
TEC-03

Tgt Ion:	136	Resp:	289153
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.7	13.1
54	8.0	5.8	8.8
68	5.6	4.2	6.4

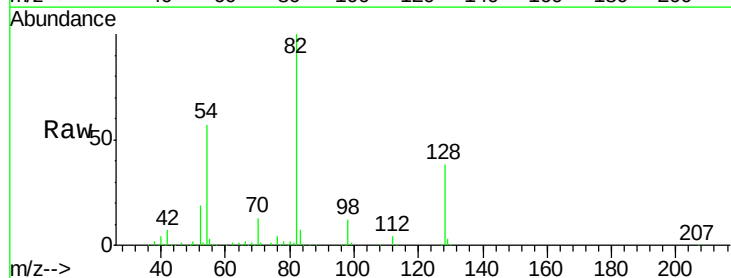


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

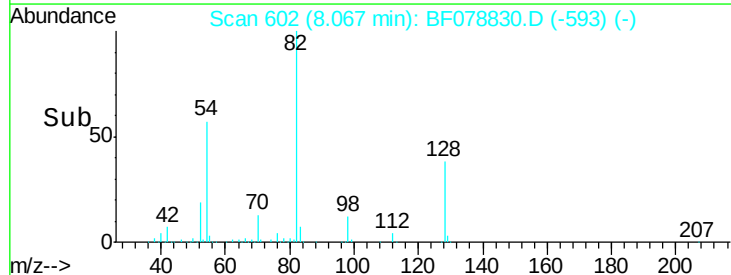
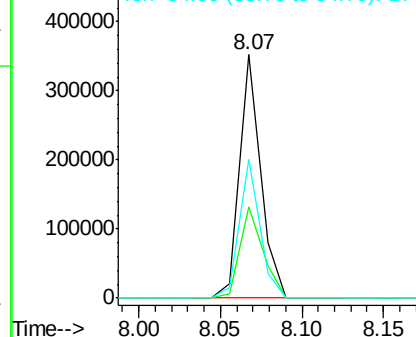


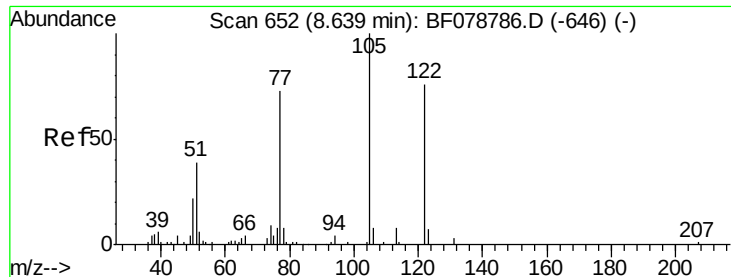
#23
Nitrobenzene-d5
Concen: 78.15 ng
RT: 8.07 min Scan# 602
Delta R.T. -0.00 min
Lab File: BF078830.D
Acq: 30 Apr 2015 1:21

Tgt Ion:	82	Resp:	313845
Ion	Ratio	Lower	Upper
82	100		
128	37.6	30.0	45.0
54	56.7	46.4	69.6



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

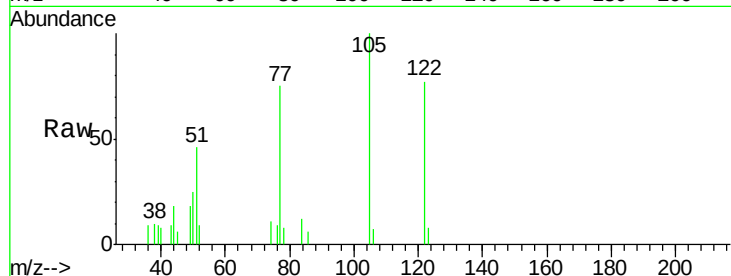




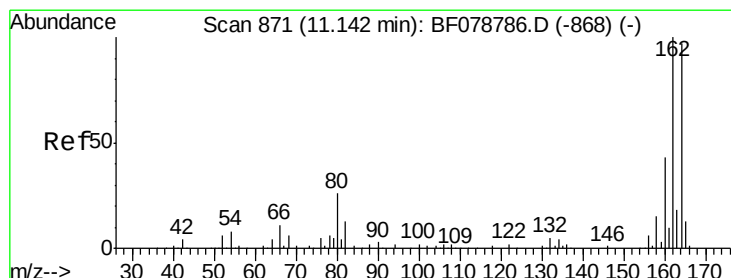
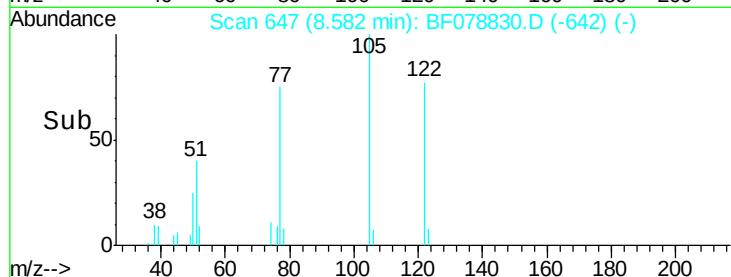
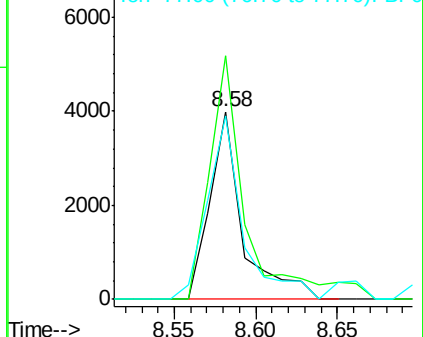
#32
Benzoic acid
Concen: 4.57 ng
RT: 8.58 min Scan# 647
Delta R.T. -0.05 min
Lab File: BF078830.D
Acq: 30 Apr 2015 1:21

Instrument :
BNA_F
ClientSampleId :
TEC-03

Tgt Ion:122 Resp: 5580
Ion Ratio Lower Upper
122 100
105 129.9 107.1 147.1
77 97.6 73.9 113.9

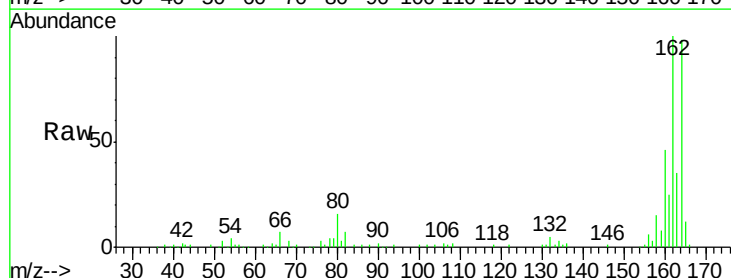


Abundance Ion 122.00 (121.70 to 122.70): E
Ion 105.00 (104.70 to 105.70): E
Ion 77.00 (76.70 to 77.70): BF0

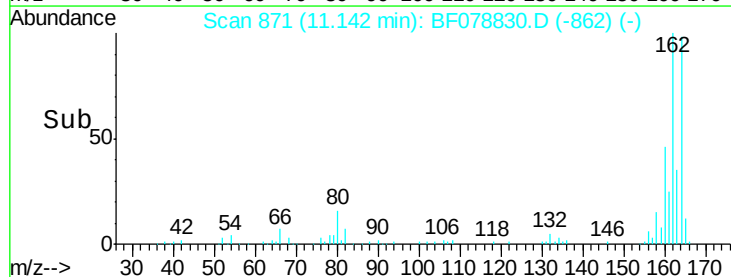
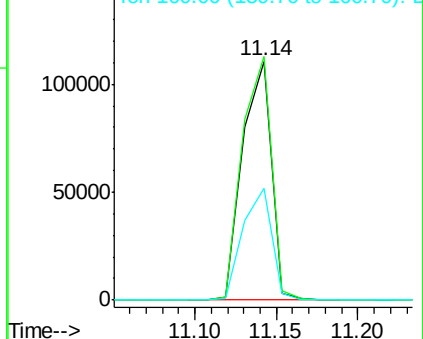


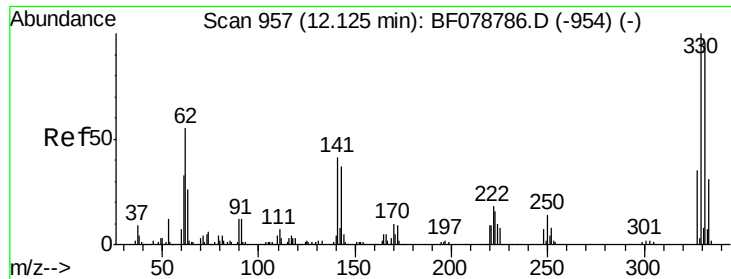
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 11.14 min Scan# 871
Delta R.T. -0.00 min
Lab File: BF078830.D
Acq: 30 Apr 2015 1:21

Tgt Ion:164 Resp: 134755
Ion Ratio Lower Upper
164 100
162 102.0 82.7 124.1
160 47.0 35.8 53.8



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

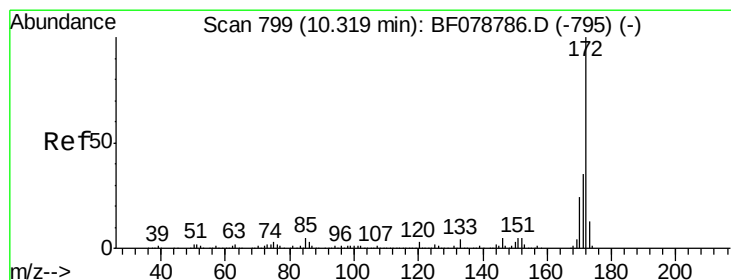
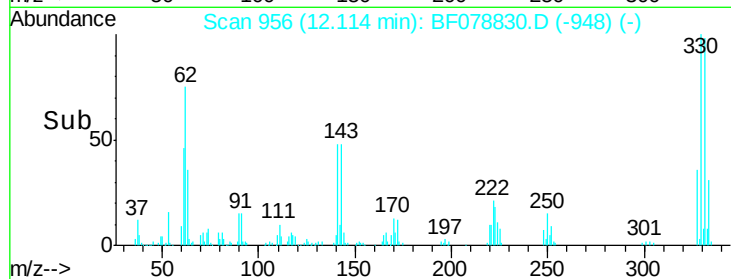
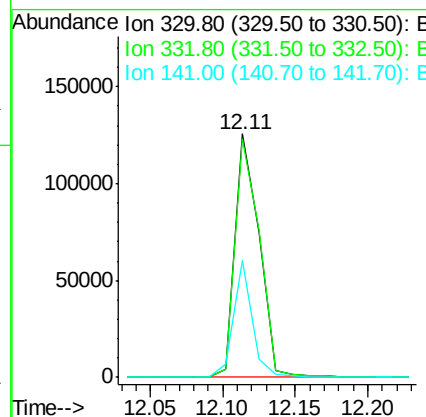
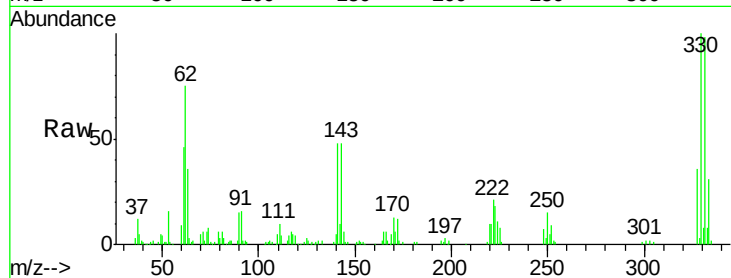




#41
 2,4,6-Tribromophenol
 Concen: 109.62 ng
 RT: 12.11 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: BF078830.D
 Acq: 30 Apr 2015 1:21

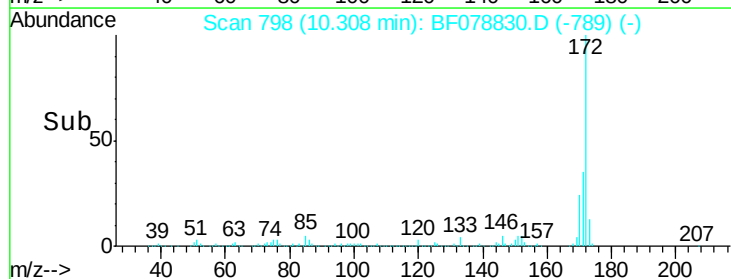
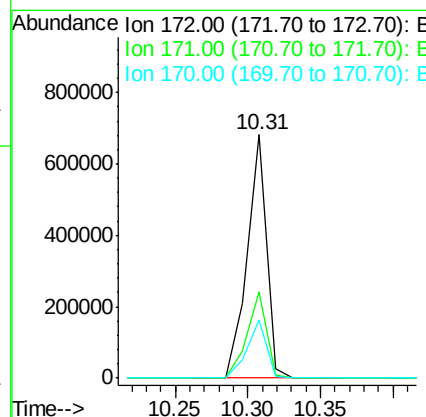
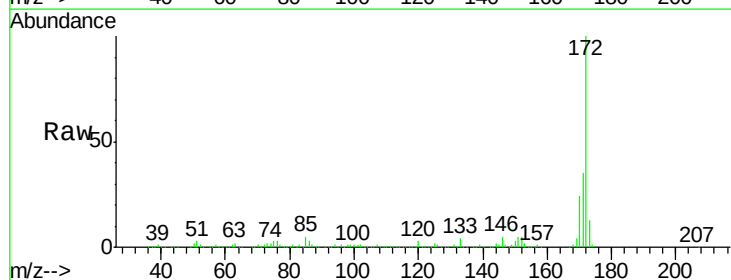
Instrument :
 BNA_F
 ClientSampleId :
 TEC-03

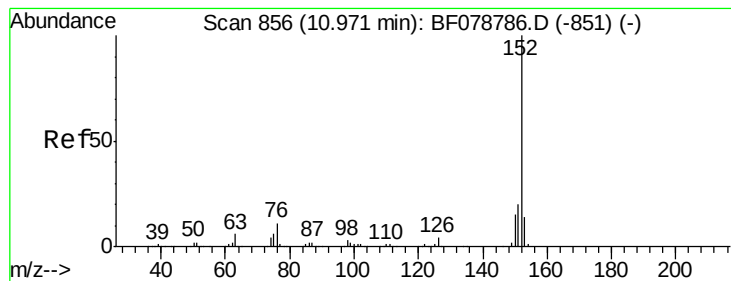
Tgt Ion: 330 Resp: 145713
 Ion Ratio Lower Upper
 330 100
 332 99.4 0.0 0.0#
 141 37.4 0.0 0.0#



#44
 2-Fluorobiphenyl
 Concen: 64.53 ng
 RT: 10.31 min Scan# 798
 Delta R.T. -0.00 min
 Lab File: BF078830.D
 Acq: 30 Apr 2015 1:21

Tgt Ion: 172 Resp: 634952
 Ion Ratio Lower Upper
 172 100
 171 35.5 27.9 41.9
 170 23.8 19.4 29.0





#48

Acenaphthylene

Concen: 4.60 ng

RT: 10.96 min Scan# 855

Delta R.T. -0.00 min

Lab File: BF078830.D

Acq: 30 Apr 2015 1:21

Instrument :

BNA_F

ClientSampleId :

TEC-03

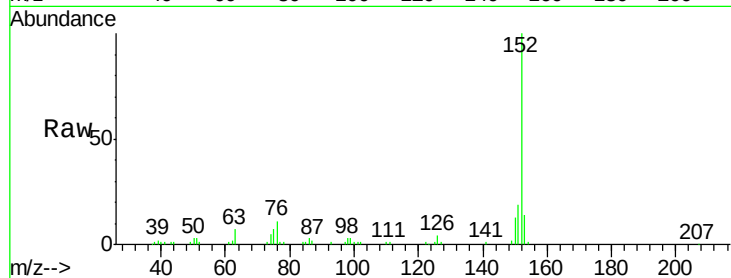
Tgt Ion:152 Resp: 63685

Ion Ratio Lower Upper

152 100

151 19.1 16.2 24.4

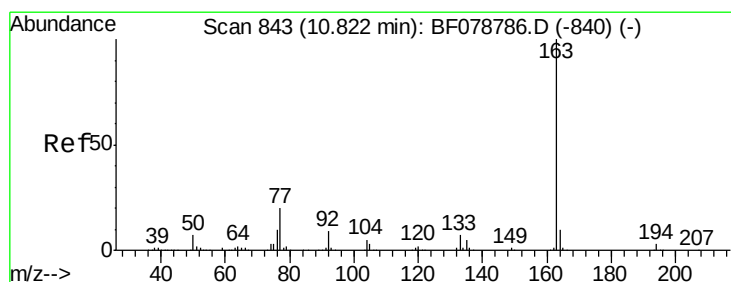
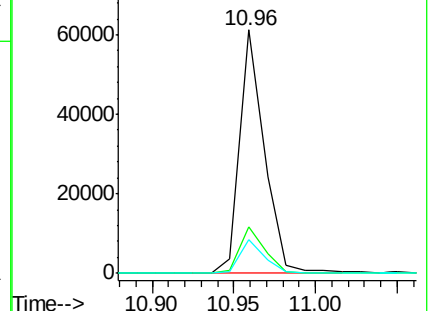
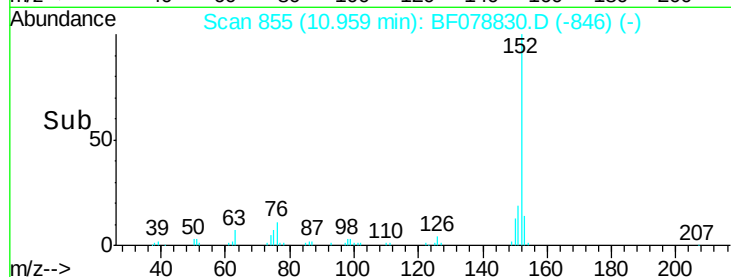
153 13.6 10.9 16.3



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: 2.63 ng

RT: 10.81 min Scan# 842

Delta R.T. -0.00 min

Lab File: BF078830.D

Acq: 30 Apr 2015 1:21

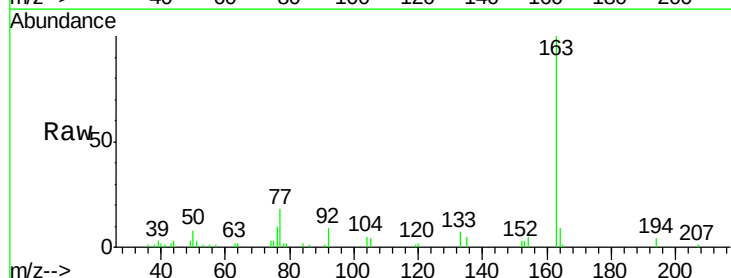
Tgt Ion:163 Resp: 25230

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

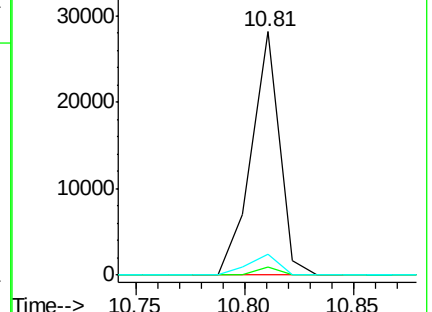
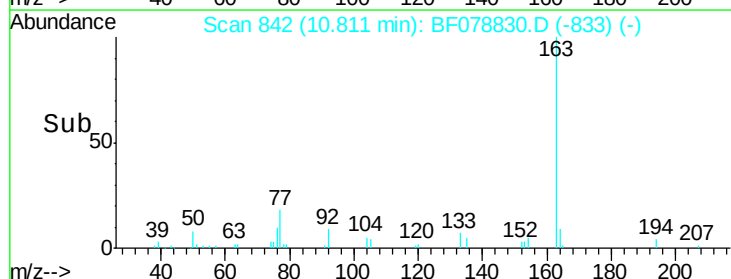
164 8.8 8.1 12.1

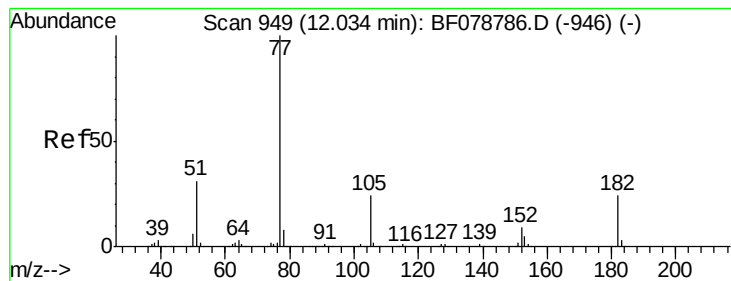


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#62

Azobenzene

Concen: 2.23 ng

RT: 12.03 min Scan# 949

Delta R.T. 0.01 min

Lab File: BF078830.D

Acq: 30 Apr 2015 1:21

Instrument :

BNA_F

ClientSampleId :

TEC-03

Tgt Ion: 77 Resp: 21715

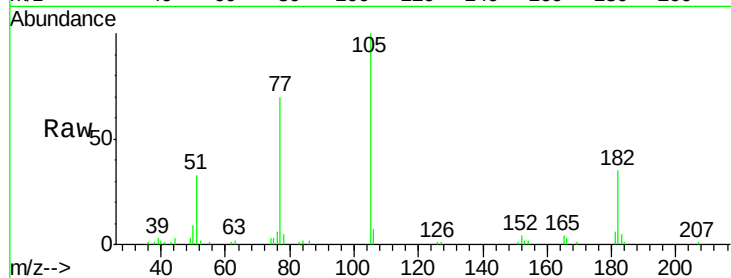
Ion Ratio Lower Upper

77 100

182 50.2 3.8 43.8#

105 142.8 3.9 43.9#

51 47.0 10.8 50.8

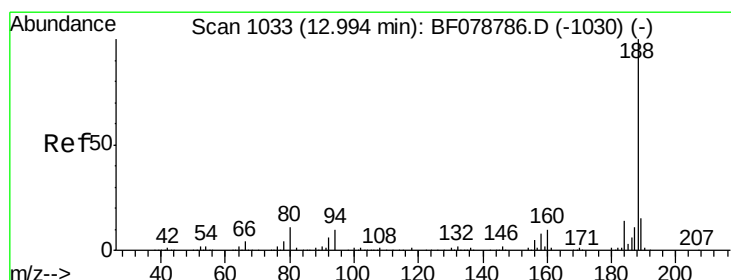
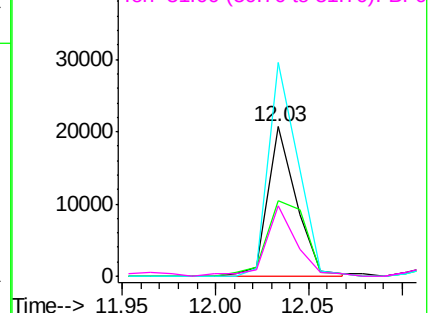
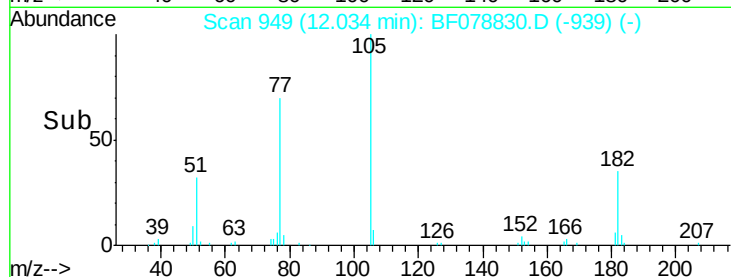


Abundance Ion 77.00 (76.70 to 77.70): BF0

Ion 182.00 (181.70 to 182.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 51.00 (50.70 to 51.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.98 min Scan# 1032

Delta R.T. -0.00 min

Lab File: BF078830.D

Acq: 30 Apr 2015 1:21

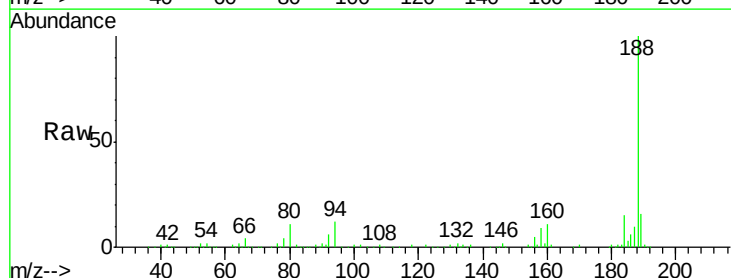
Tgt Ion: 188 Resp: 265343

Ion Ratio Lower Upper

188 100

94 11.6 8.2 12.2

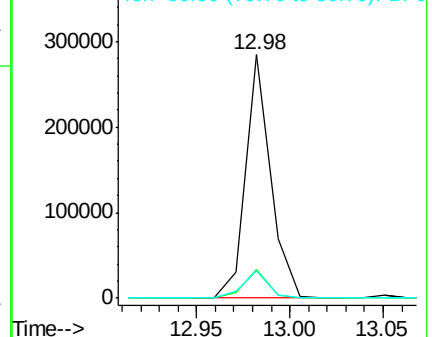
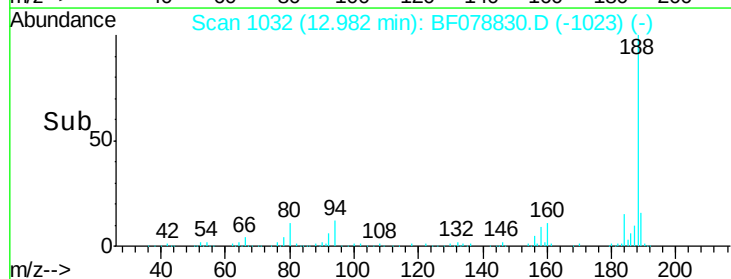
80 11.5 8.9 13.3

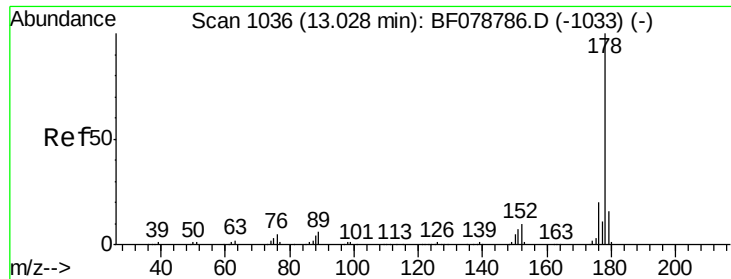


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 4.86 ng

RT: 13.02 min Scan# 1035

Delta R.T. -0.00 min

Lab File: BF078830.D

Acq: 30 Apr 2015 1:21

Instrument :

BNA_F

ClientSampleId :

TEC-03

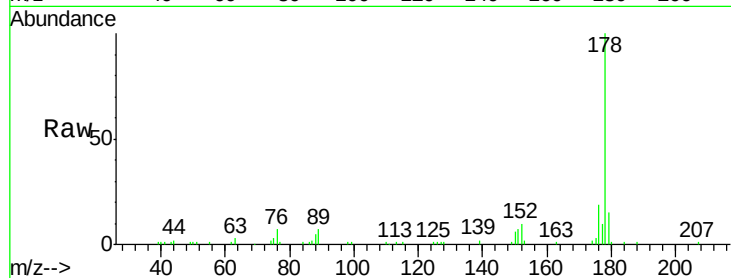
Tgt Ion:178 Resp: 69789

Ion Ratio Lower Upper

178 100

176 19.3 15.8 23.8

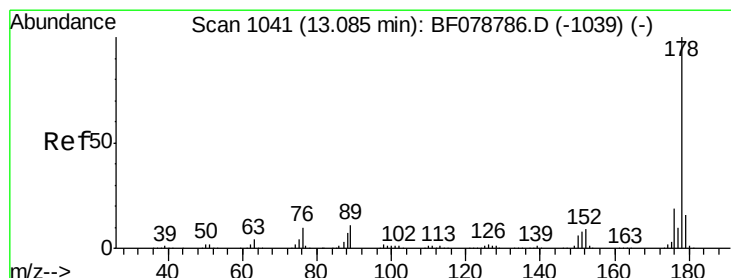
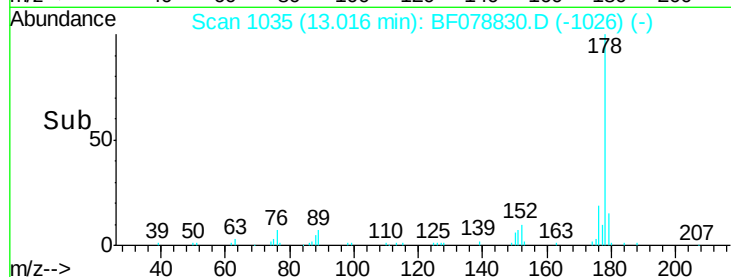
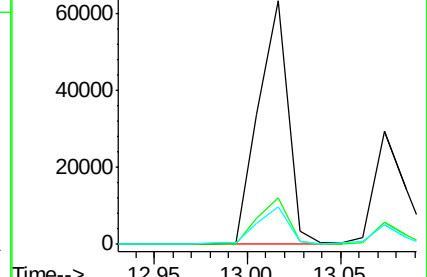
179 15.3 12.5 18.7



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: 2.22 ng

RT: 13.07 min Scan# 1040

Delta R.T. -0.01 min

Lab File: BF078830.D

Acq: 30 Apr 2015 1:21

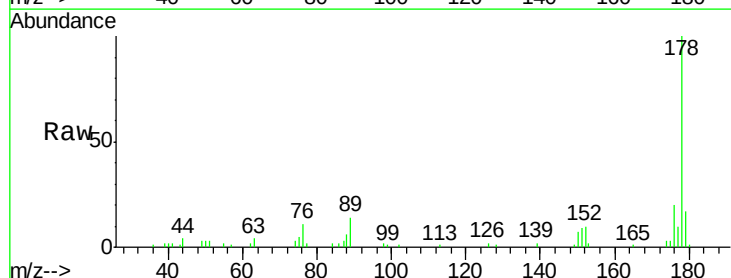
Tgt Ion:178 Resp: 31237

Ion Ratio Lower Upper

178 100

176 20.0 15.5 23.3

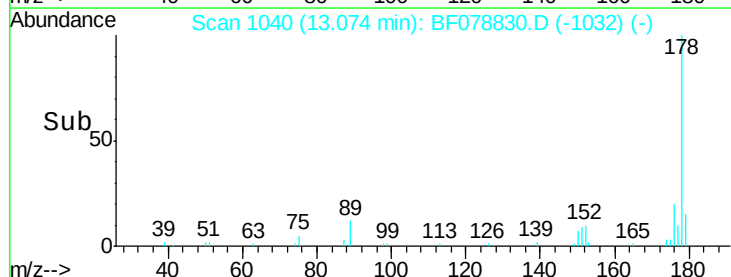
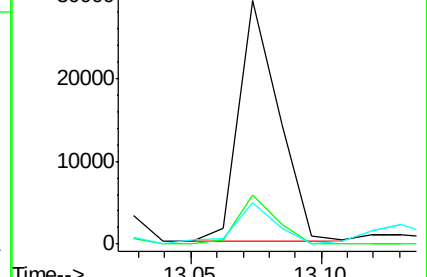
179 16.9 12.7 19.1

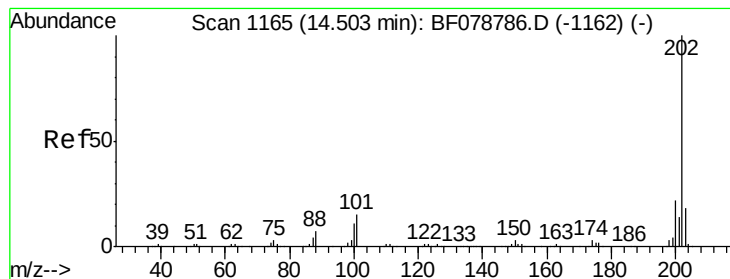


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 15.82 ng

RT: 14.49 min Scan# 1164

Delta R.T. -0.00 min

Lab File: BF078830.D

Acq: 30 Apr 2015 1:21

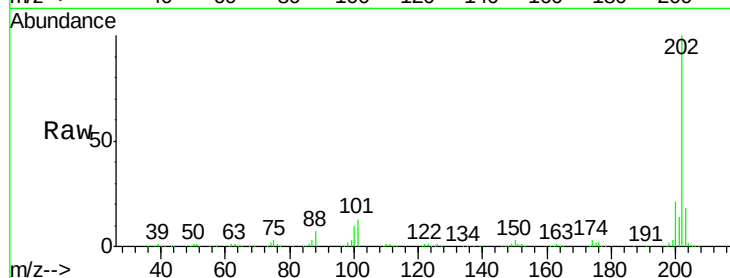
Instrument :

BNA_F

ClientSampleId :

TEC-03

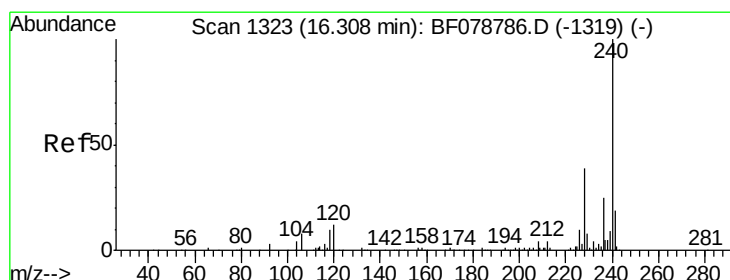
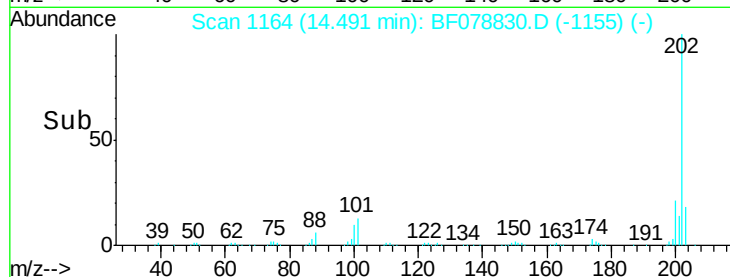
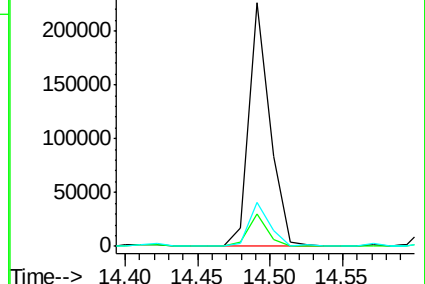
Tgt Ion:	202	Resp:	226604
Ion Ratio	Lower	Upper	
202	100		
101	13.3	0.0	34.6
203	18.0	0.0	38.4



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

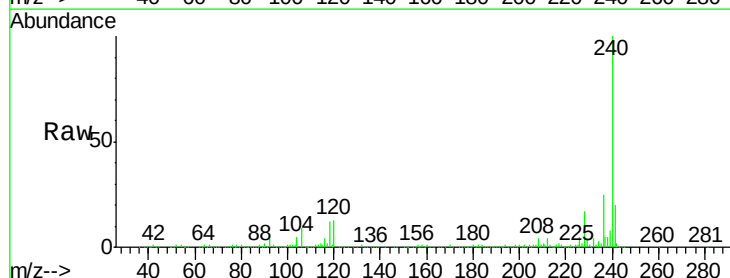
RT: 16.27 min Scan# 1320

Delta R.T. -0.01 min

Lab File: BF078830.D

Acq: 30 Apr 2015 1:21

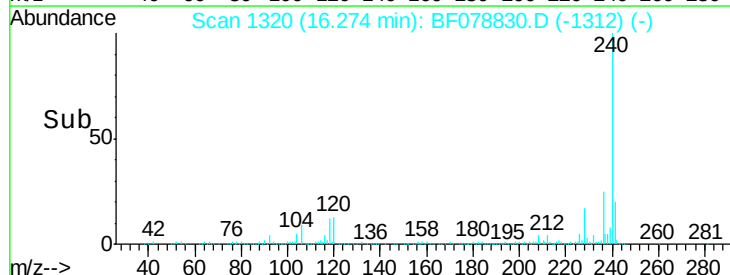
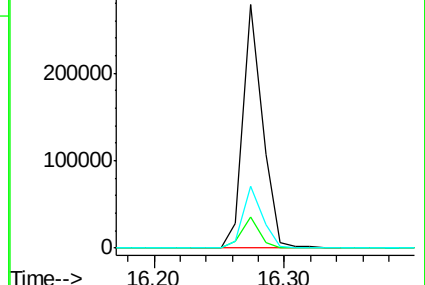
Tgt Ion:	240	Resp:	292208
Ion Ratio	Lower	Upper	
240	100		
120	12.9	9.7	14.5
236	25.1	20.2	30.4

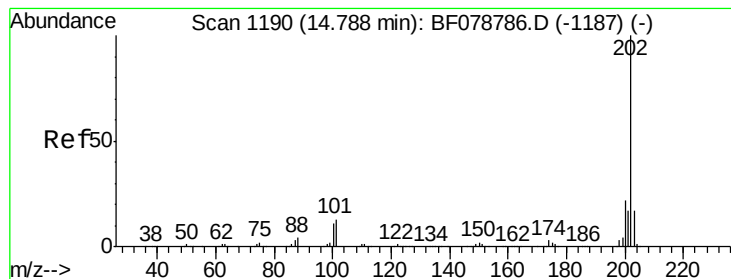


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 15.95 ng

RT: 14.78 min Scan# 1189

Delta R.T. -0.00 min

Lab File: BF078830.D

Acq: 30 Apr 2015 1:21

Instrument :

BNA_F

ClientSampleId :

TEC-03

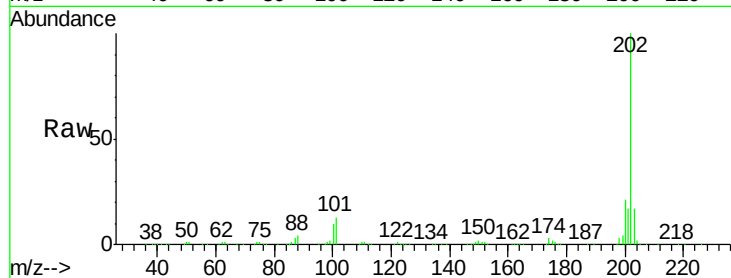
Tgt Ion: 202 Resp: 272398

Ion Ratio Lower Upper

202 100

200 21.3 17.5 26.3

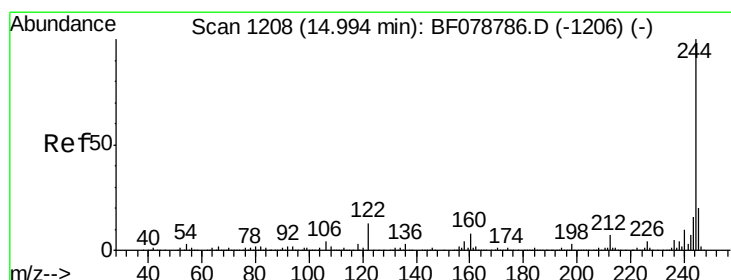
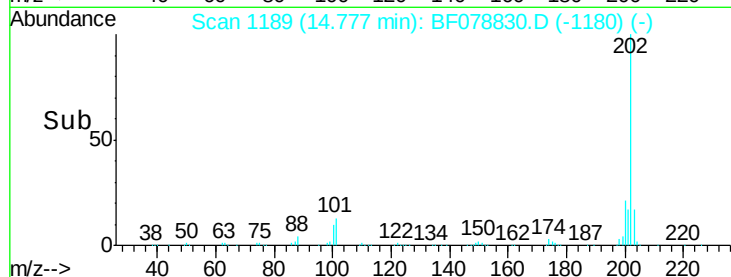
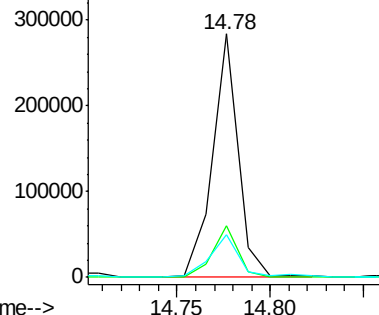
203 17.5 13.9 20.9



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: 59.43 ng

RT: 14.98 min Scan# 1207

Delta R.T. -0.00 min

Lab File: BF078830.D

Acq: 30 Apr 2015 1:21

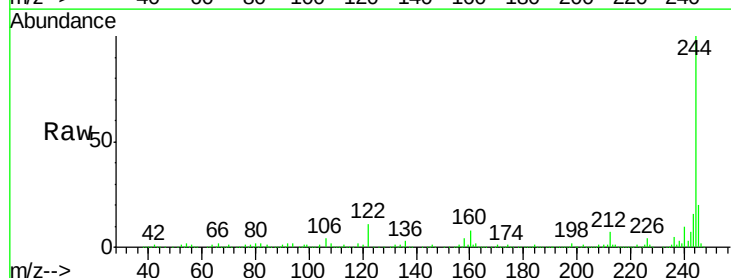
Tgt Ion: 244 Resp: 729238

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

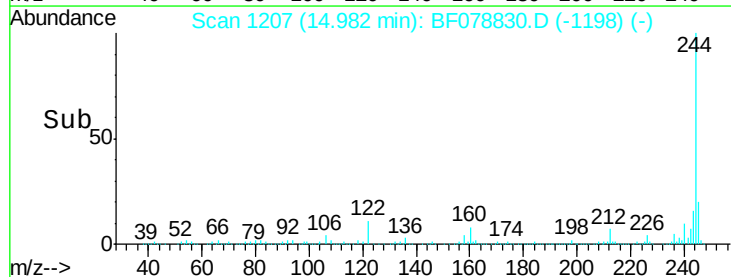
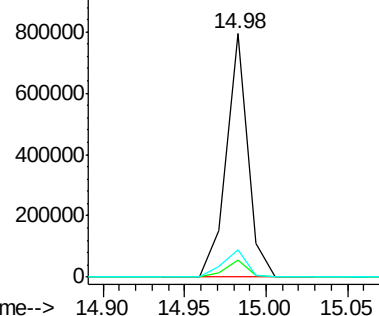
122 11.3 10.3 15.5

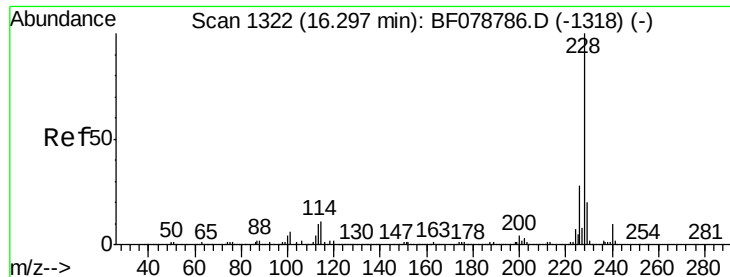


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 5.88 ng

RT: 16.31 min Scan# 1323

Delta R.T. 0.03 min

Lab File: BF078830.D

Acq: 30 Apr 2015 1:21

Instrument :

BNA_F

ClientSampleId :

TEC-03

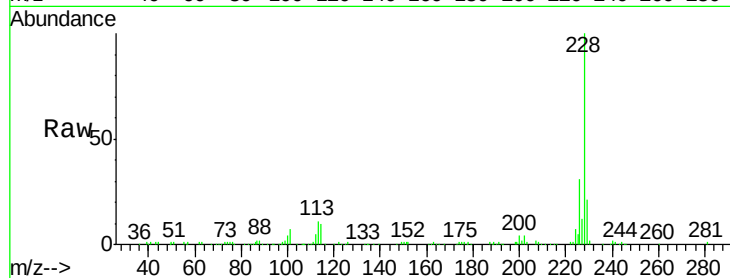
Tgt Ion:228 Resp: 92119

Ion Ratio Lower Upper

228 100

226 30.8 22.6 33.8

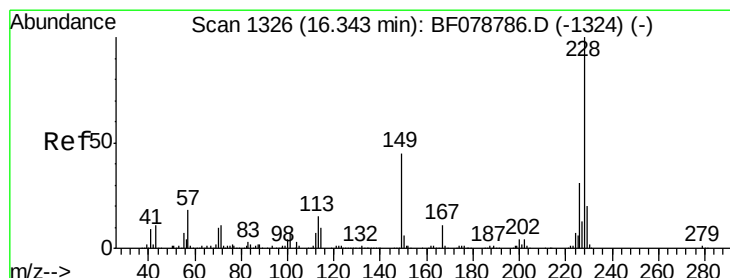
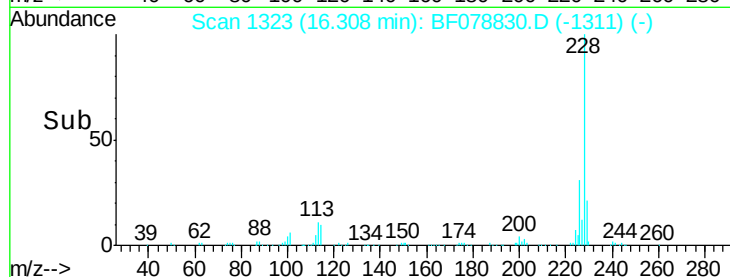
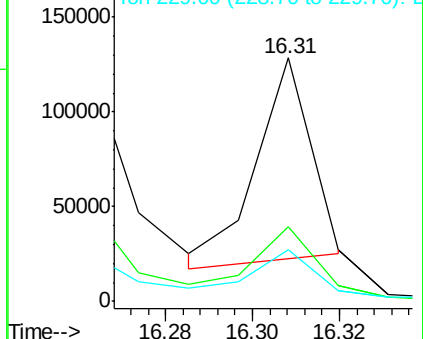
229 21.1 15.9 23.9



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: 8.97 ng

RT: 16.31 min Scan# 1323

Delta R.T. -0.01 min

Lab File: BF078830.D

Acq: 30 Apr 2015 1:21

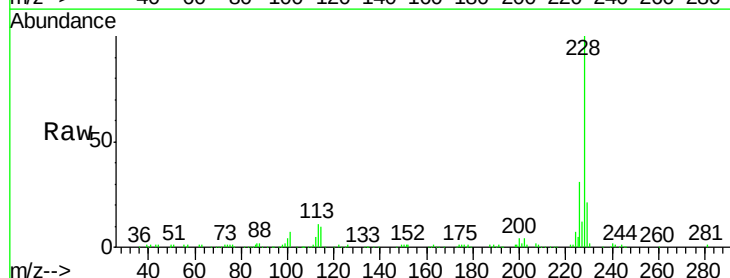
Tgt Ion:228 Resp: 137101

Ion Ratio Lower Upper

228 100

226 30.8 24.9 37.3

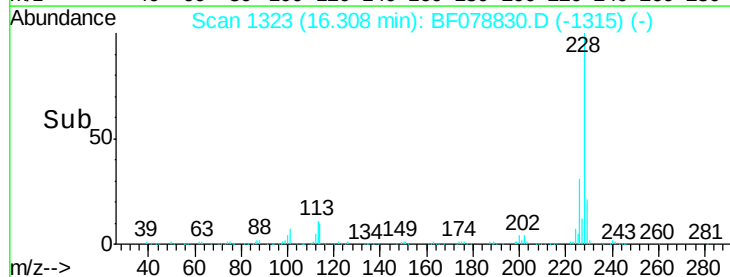
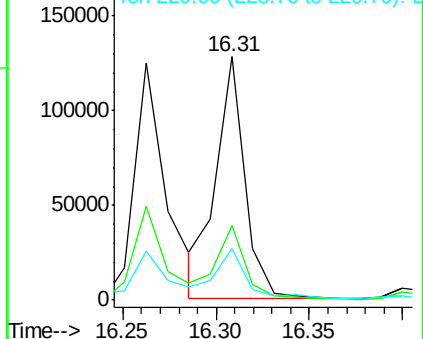
229 21.1 16.0 24.0

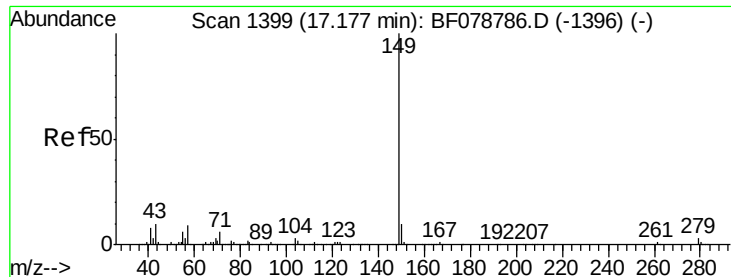


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

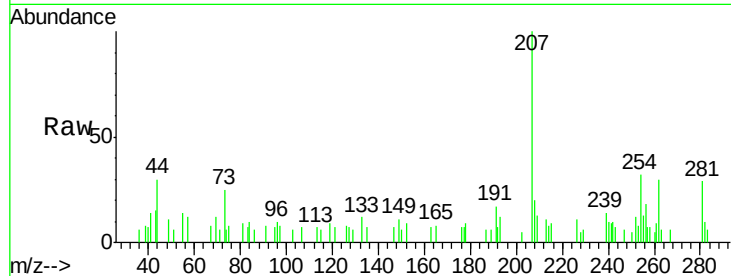




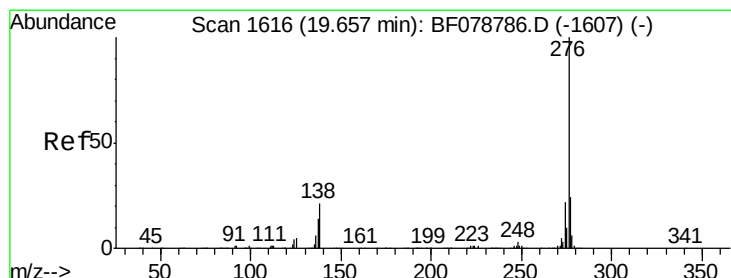
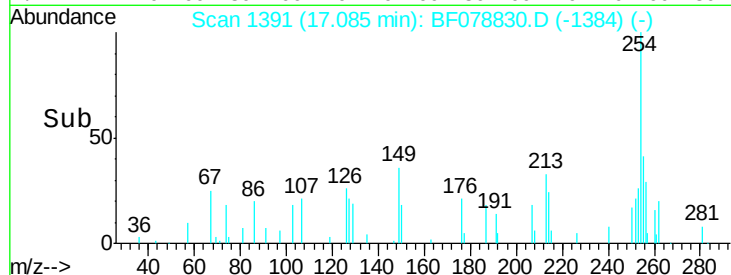
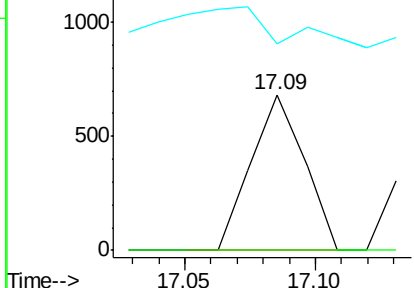
#84
Di-n-octyl phthalate
Concen: 6.99 ng
RT: 17.09 min Scan# 1391
Delta R.T. -0.02 min
Lab File: BF078830.D
Acq: 30 Apr 2015 1:21

Instrument :
BNA_F
ClientSampleId :
TEC-03

Tgt Ion	Ratio	Lower	Upper
149	100		
167	0.0	0.0	0.0
43	46.0	0.0	0.0#

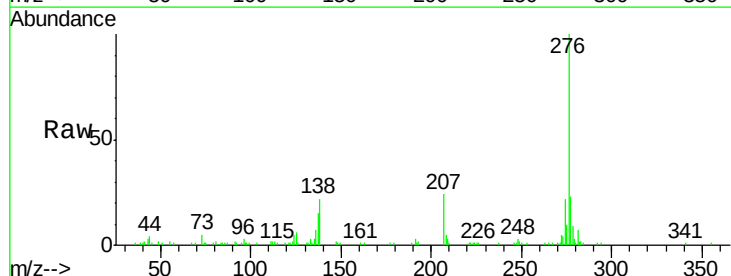


Abundance Ion 149.00 (148.70 to 149.70): E
Ion 167.00 (166.70 to 167.70): E
Ion 43.00 (42.70 to 43.70): BF0

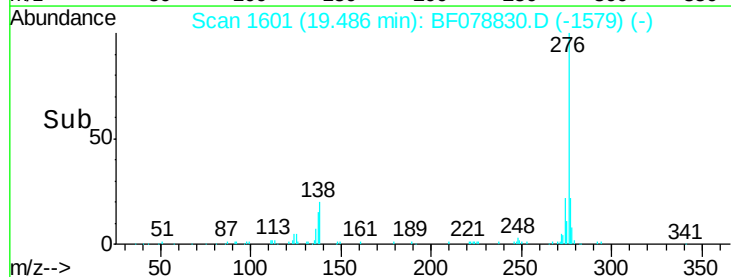
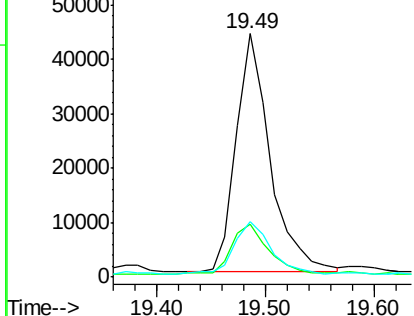


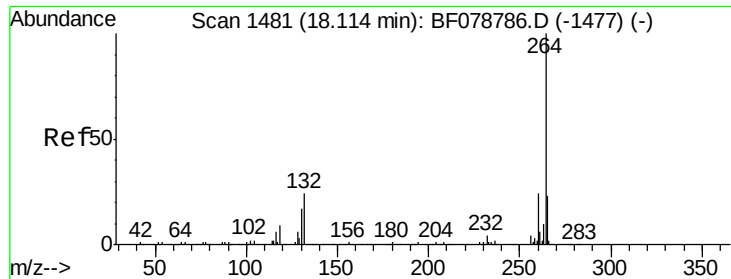
#85
Indeno(1,2,3-cd)pyrene
Concen: 5.50 ng
RT: 19.49 min Scan# 1601
Delta R.T. -0.05 min
Lab File: BF078830.D
Acq: 30 Apr 2015 1:21

Tgt Ion	Ratio	Lower	Upper
276	100		
138	23.4	0.0	0.0#
277	24.7	0.0	0.0#



Abundance Ion 276.00 (275.70 to 276.70): E
Ion 138.00 (137.70 to 138.70): E
Ion 277.00 (276.70 to 277.70): E

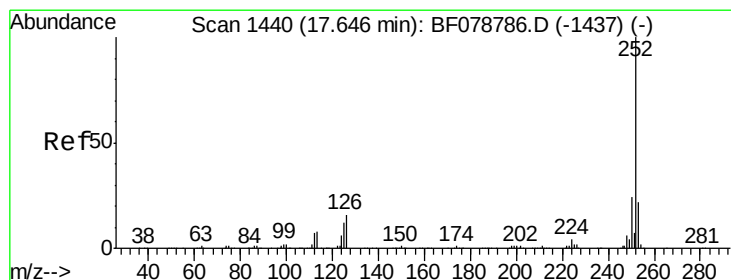
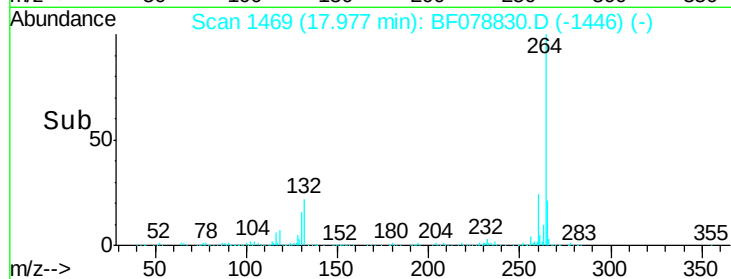
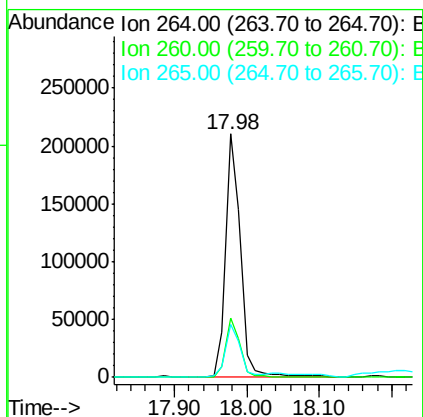
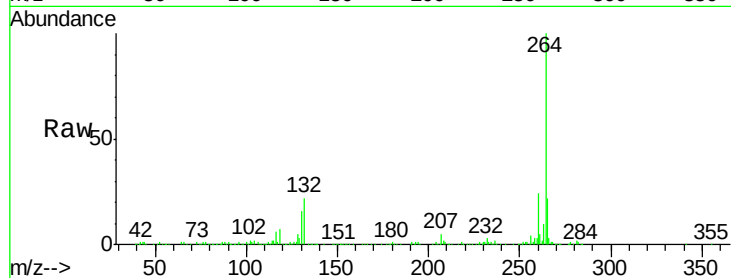




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.98 min Scan# 1469
Delta R.T. -0.03 min
Lab File: BF078830.D
Acq: 30 Apr 2015 1:21

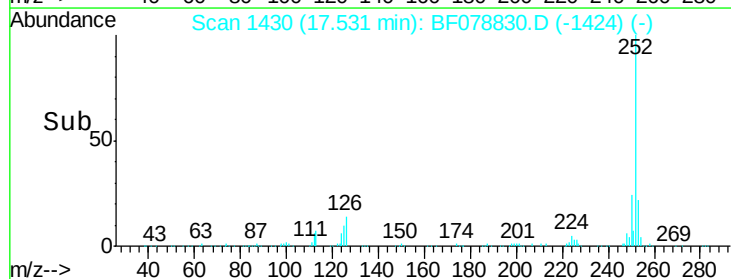
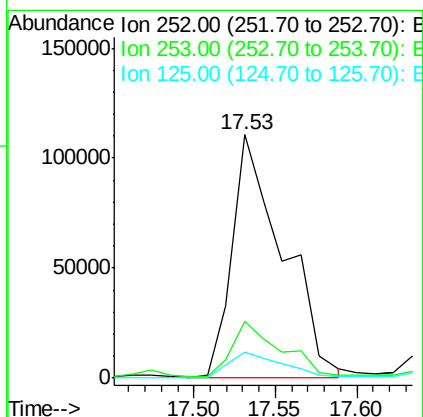
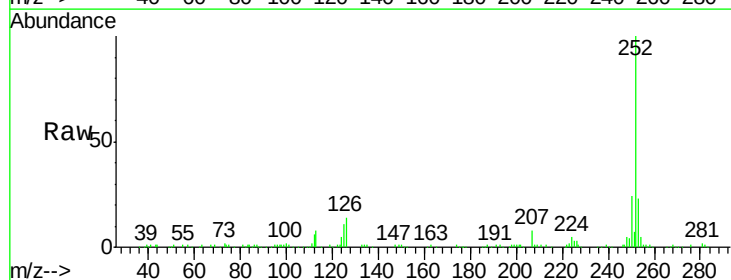
Instrument :
BNA_F
ClientSampleID :
TEC-03

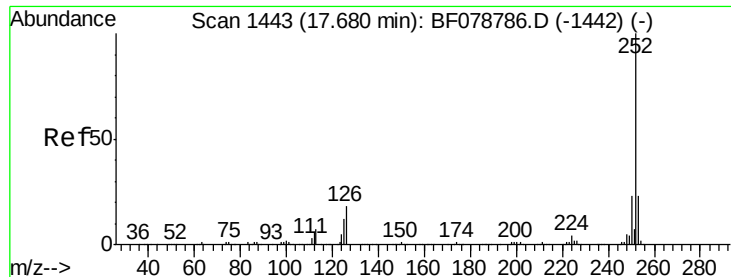
Tgt Ion: 264 Resp: 299767
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.2
265 21.7 18.3 27.5



#87
Benzo(b)fluoranthene
Concen: 14.57 ng
RT: 17.53 min Scan# 1430
Delta R.T. -0.03 min
Lab File: BF078830.D
Acq: 30 Apr 2015 1:21

Tgt Ion: 252 Resp: 236458
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 10.6 9.5 14.3

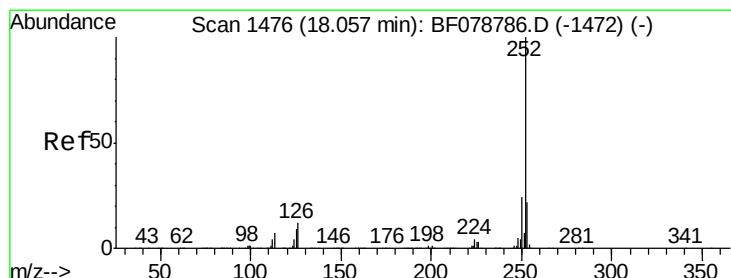
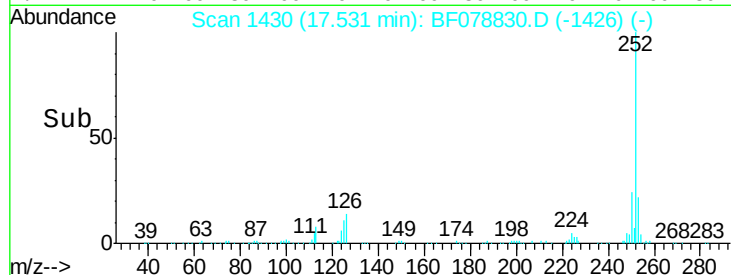
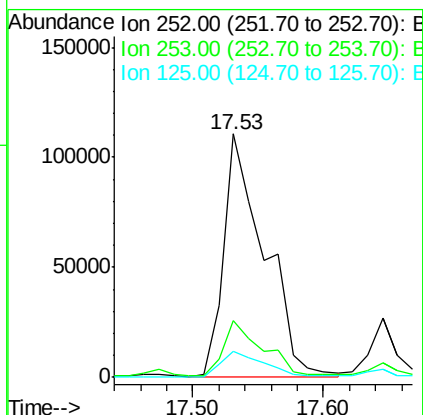
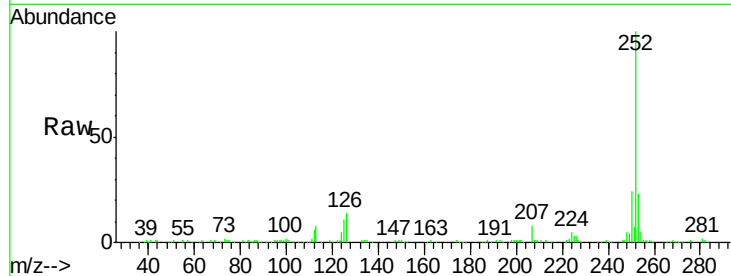




#88
Benzo(k)fluoranthene
Concen: 15.20 ng
RT: 17.53 min Scan# 1430
Delta R.T. -0.06 min
Lab File: BF078830.D
Acq: 30 Apr 2015 1:21

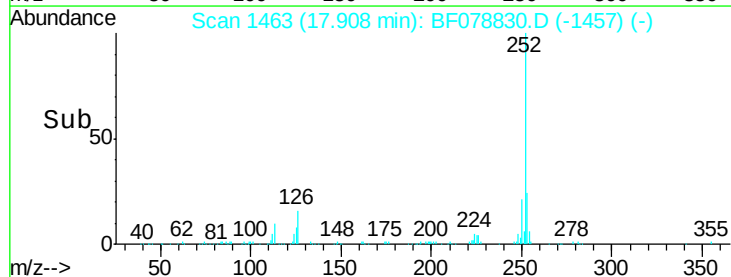
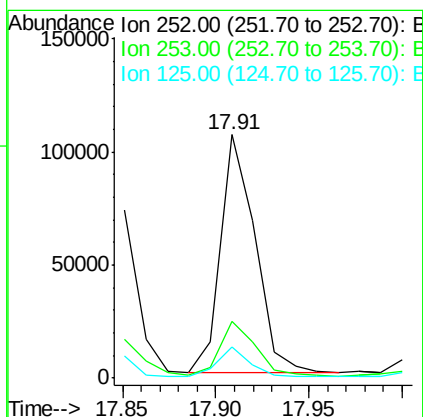
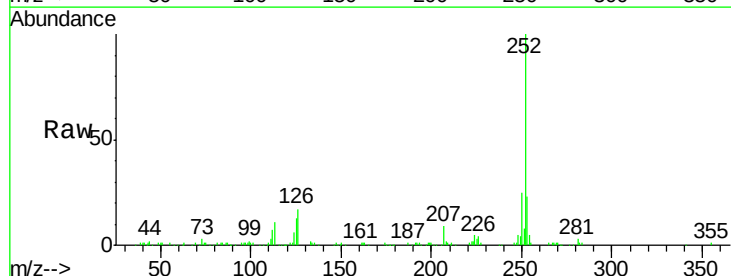
Instrument :
BNA_F
ClientSampled :
TEC-03

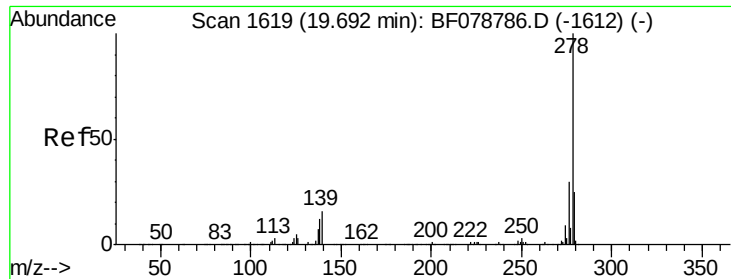
Tgt Ion: 252 Resp: 239077
Ion Ratio Lower Upper
252 100
253 23.1 18.1 27.1
125 10.6 10.0 15.0



#89
Benzo(a)pyrene
Concen: 9.44 ng
RT: 17.91 min Scan# 1463
Delta R.T. -0.03 min
Lab File: BF078830.D
Acq: 30 Apr 2015 1:21

Tgt Ion: 252 Resp: 137044
Ion Ratio Lower Upper
252 100
253 23.4 17.3 25.9
125 12.7 7.0 10.6#





#90

Dibenzo(a,h)anthracene

Concen: 2.10 ng

RT: 19.52 min Scan# 1604

Delta R.T. -0.05 min

Lab File: BF078830.D

Acq: 30 Apr 2015 1:21

Instrument :

BNA_F

ClientSampleId :

TEC-03

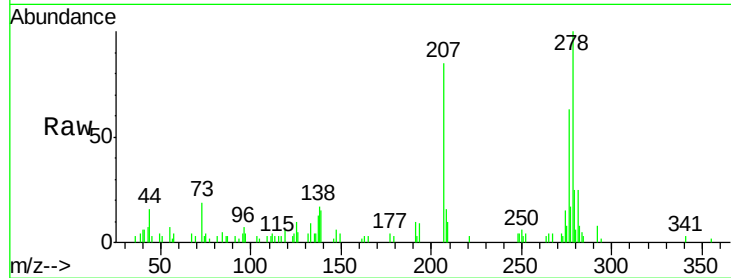
Tgt Ion: 278 Resp: 31645

Ion Ratio Lower Upper

278 100

139 15.1 12.8 19.2

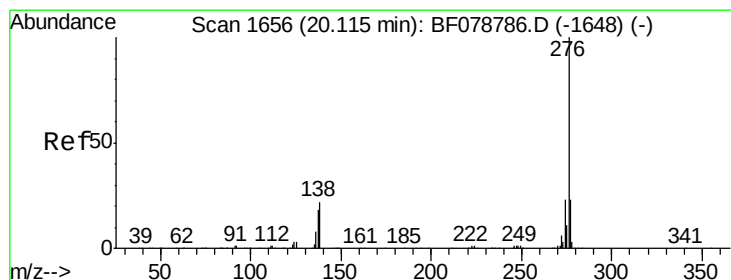
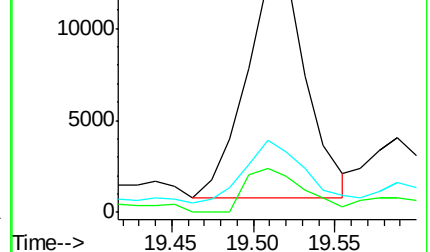
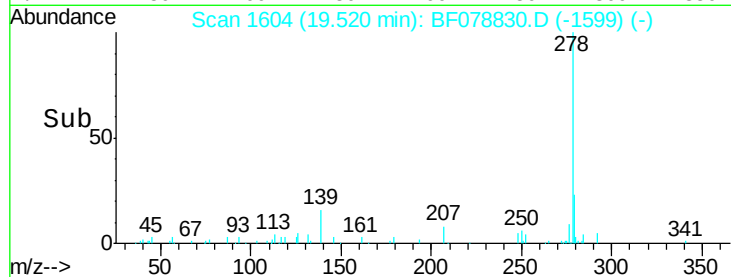
279 25.1 19.6 29.4



Abundance Ion 278.00 (277.70 to 278.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 279.00 (278.70 to 279.70): E



#91

Benzo(g,h,i)perylene

Concen: 6.44 ng

RT: 19.93 min Scan# 1640

Delta R.T. -0.06 min

Lab File: BF078830.D

Acq: 30 Apr 2015 1:21

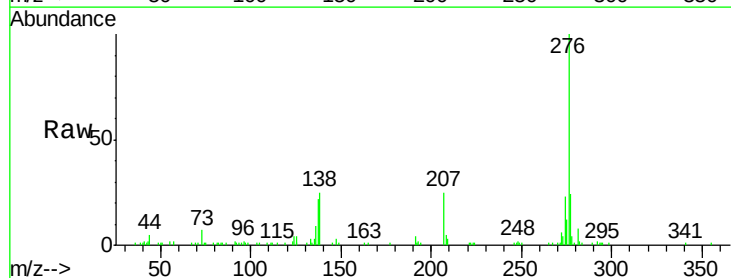
Tgt Ion: 276 Resp: 97209

Ion Ratio Lower Upper

276 100

277 24.3 18.6 28.0

138 25.4 17.4 26.0



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

