

Data Path : Z:\HPCHEM1\BNA F\DATA\BF042915\
 Data File : BF078830.D
 Acq On : 30 Apr 2015 1:21
 Operator : TP/IZ
 Sample : G2002-06
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-03

Quant Time: Apr 30 03:52:44 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	R.T.	QIon	Response	Conc	Units	Dev(Min)
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

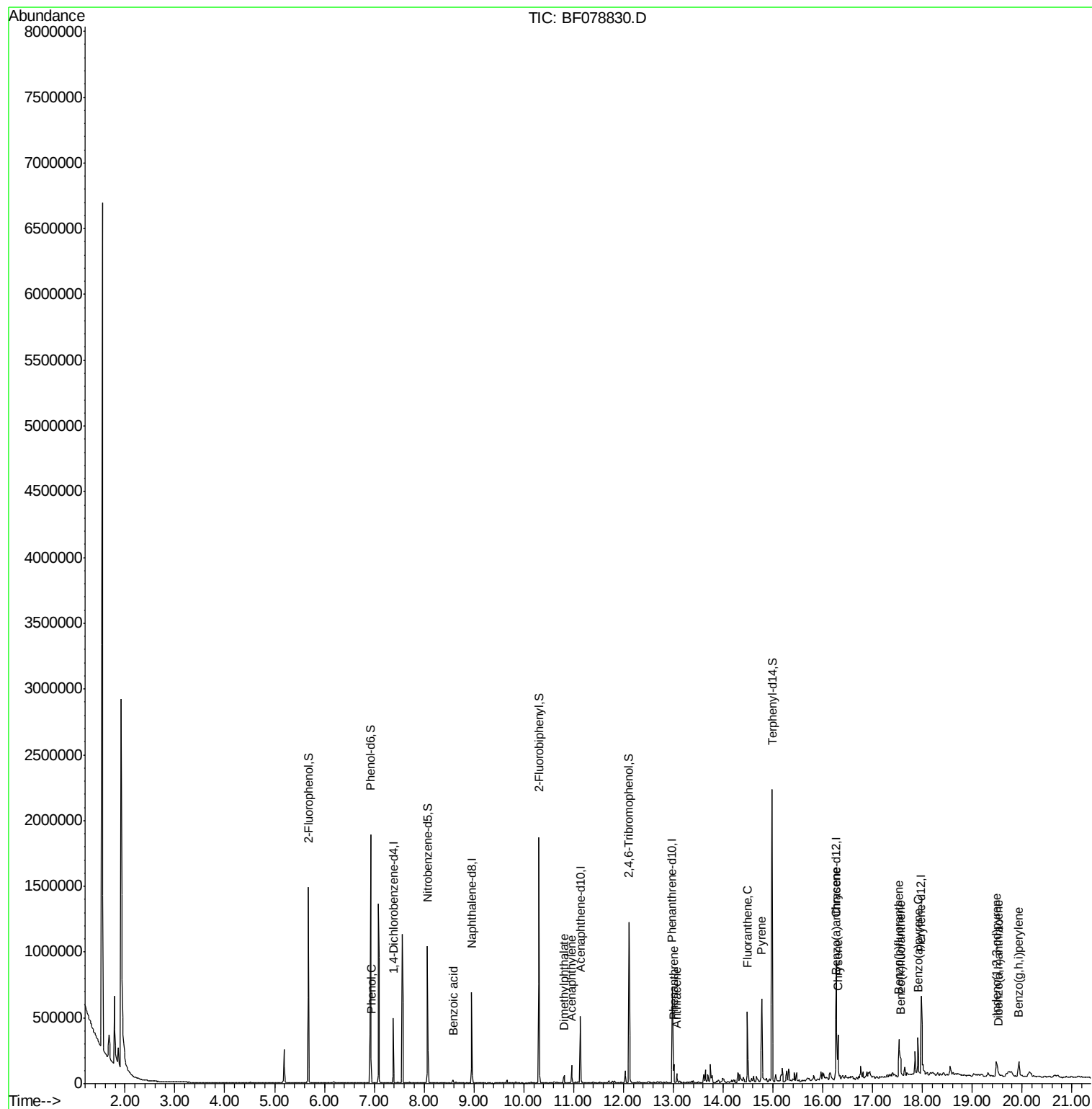
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
10) Phenol	6.94	94	17331	2.90	ng	78
32) Benzoic acid	8.58	122	5580	4.57	ng	97
48) Acenaphthylene	10.96	152	63685	4.60	ng	98
49) Dimethylphthalate	10.81	163	25230	2.63	ng	97
70) Phenanthrene	13.02	178	69789	4.86	ng	99
71) Anthracene	13.07	178	31237	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	16.26	228	149228m	9.52	ng	
82) Chrysene	16.31	228	137101	8.97	ng	99
85) Indeno(1,2,3-cd)pyrene	19.49	276	95278	5.50	ng	# 100
87) Benzo(b)fluoranthene	17.53	252	190585m	11.75	ng	
88) Benzo(k)fluoranthene	17.57	252	50030m	3.18	ng	
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

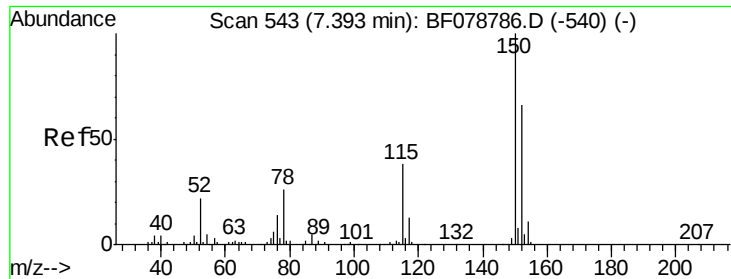
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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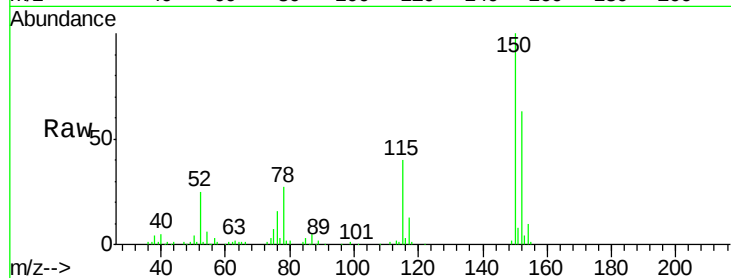


#1

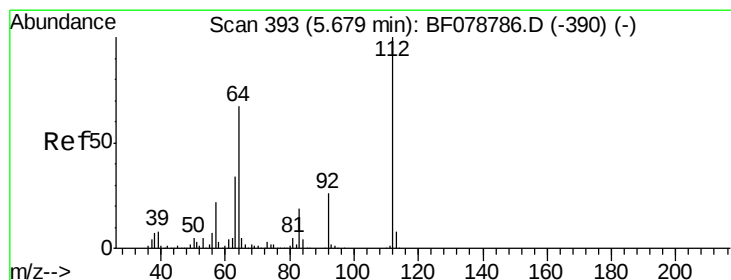
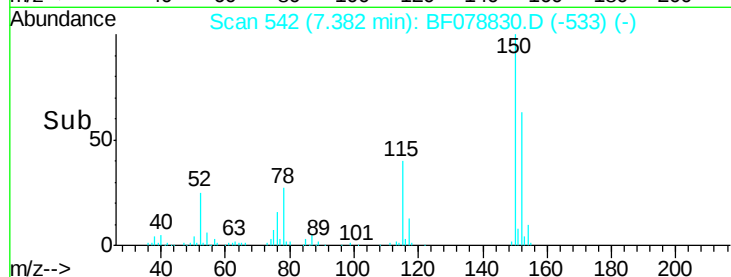
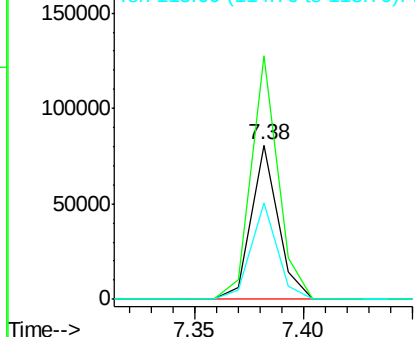
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.38 min Scan# 542
Delta R.T. -0.00 min
Lab File: BF078830.D
Acq: 30 Apr 2015 1:21

Instrument :
BNA_F
ClientSampleId :
TEC-03

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



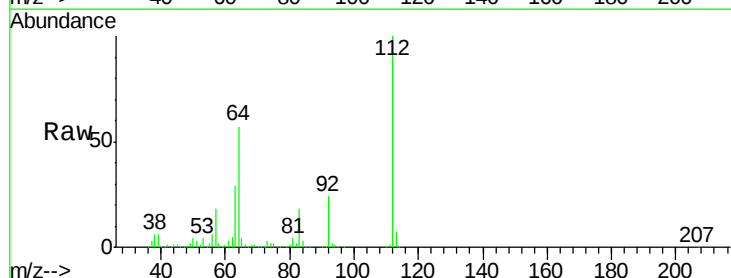
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



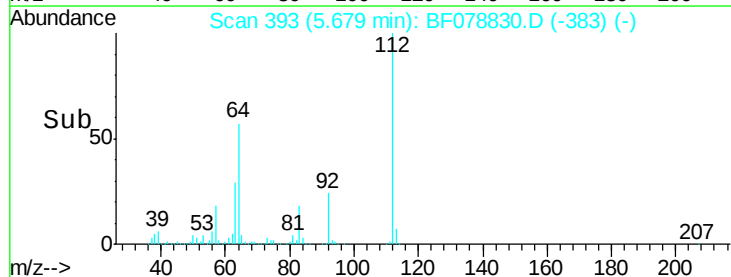
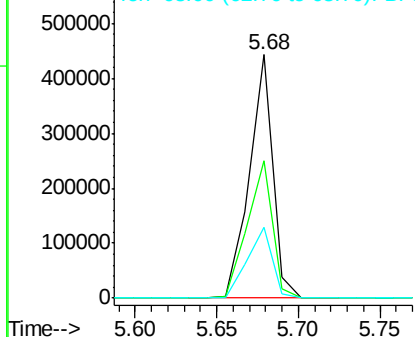
#5

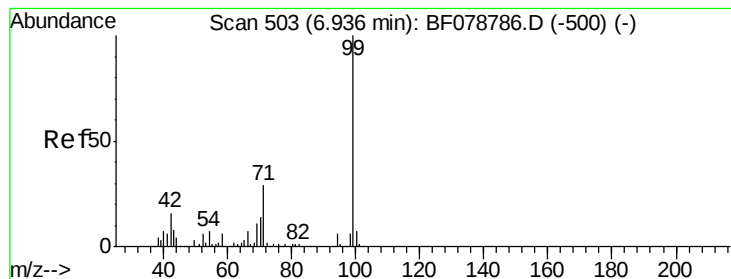
2-Fluorophenol
Concen: 116.49 ng
RT: 5.68 min Scan# 393
Delta R.T. 0.01 min
Lab File: BF078830.D
Acq: 30 Apr 2015 1:21

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

ClientSampleId :

TEC-03

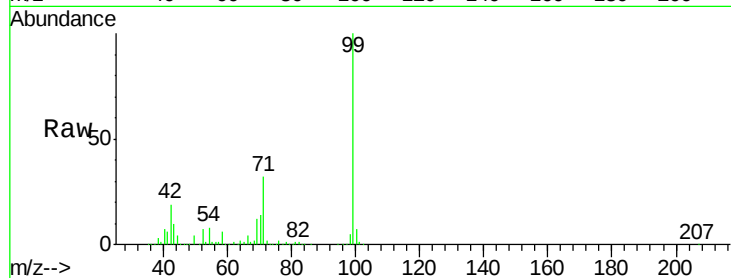
Tot Ion: 99 Resp: 595391

Ion Ratio Lower Upper

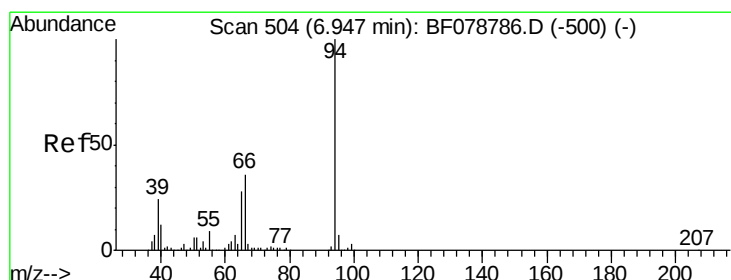
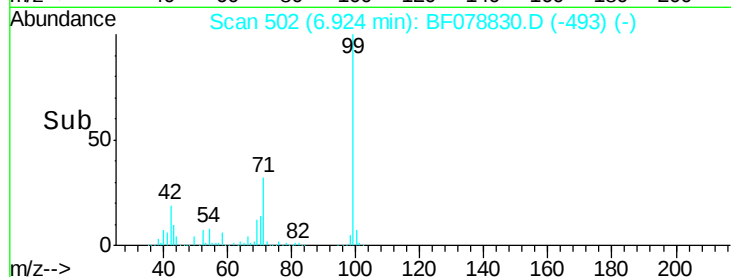
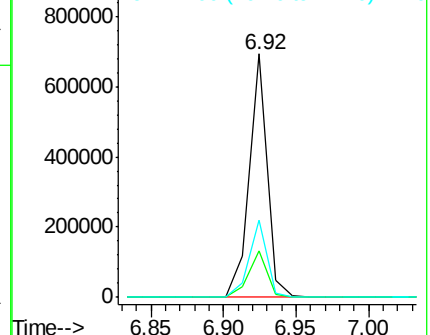
99 100

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

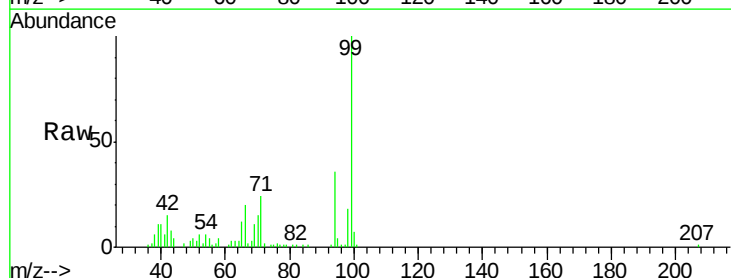
Tgt Ion: 94 Resp: 17331

Ion Ratio Lower Upper

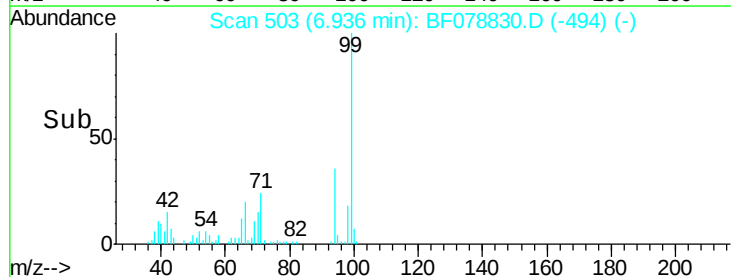
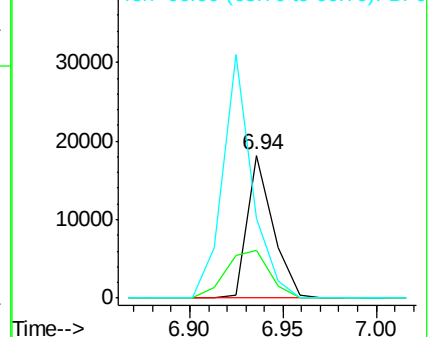
94 100

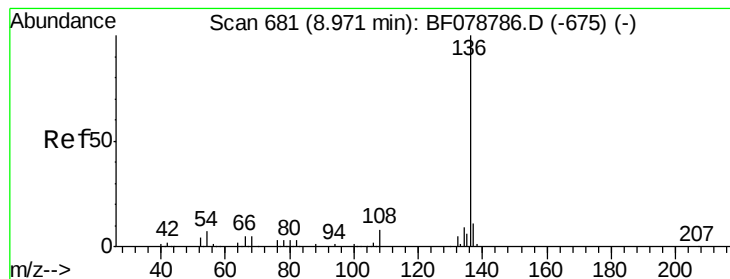
65 33.0 8.5 48.5

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

Tot Ion:136 Resp: 289153

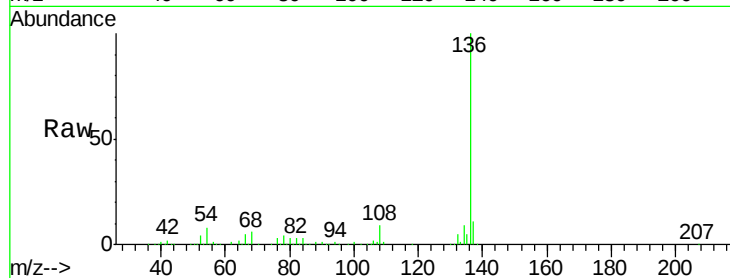
Ion Ratio Lower Upper

136 100

137 10.7 8.7 13.1

54 8.0 5.8 8.8

68 5.6 4.2 6.4

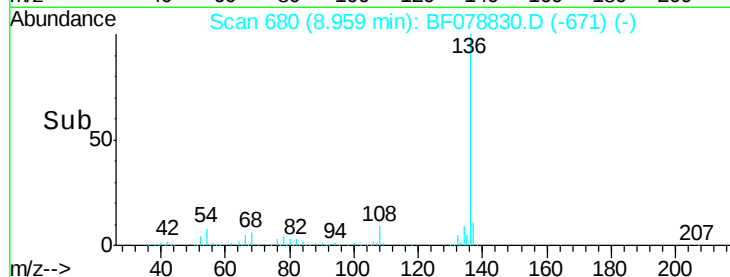


Abundance Ion 136.00 (135.70 to 136.70): E

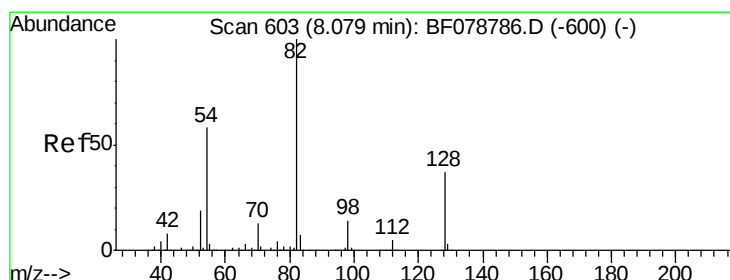
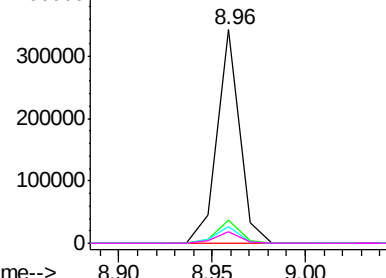
Ion 137.00 (136.70 to 137.70): E

Ion 54.00 (53.70 to 54.70): BF0

Ion 68.00 (67.70 to 68.70): BF0



Time-->



#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

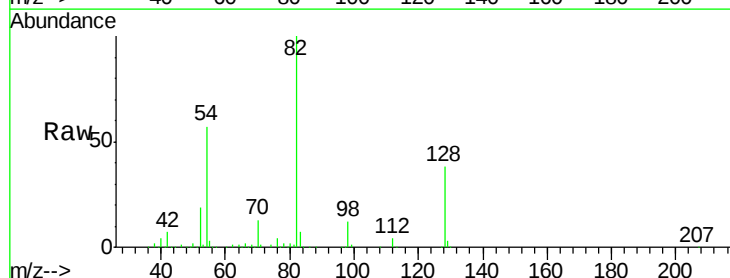
Tgt Ion: 82 Resp: 313845

Ion Ratio Lower Upper

82 100

128 37.6 30.0 45.0

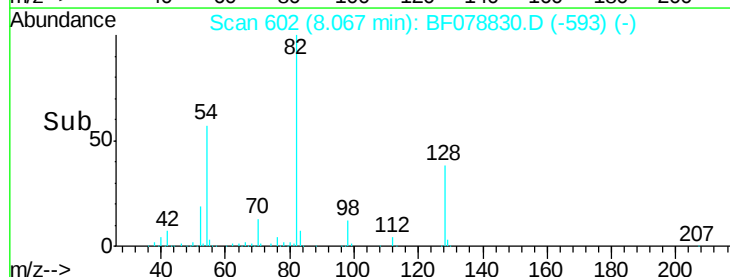
54 56.7 46.4 69.6



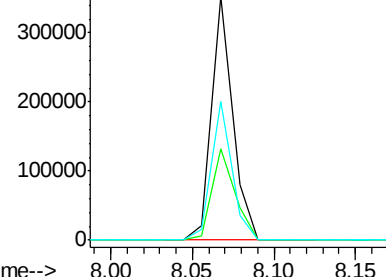
Abundance Ion 82.00 (81.70 to 82.70): BF0

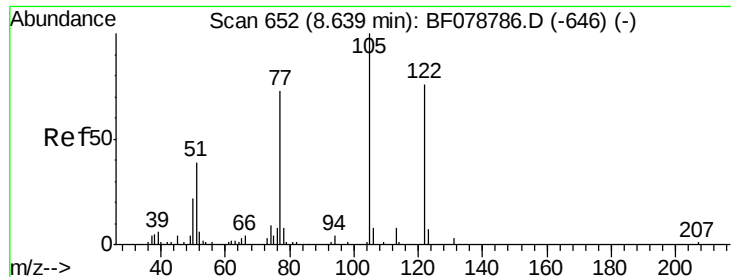
Ion 128.00 (127.70 to 128.70): E

Ion 54.00 (53.70 to 54.70): BF0



Time-->

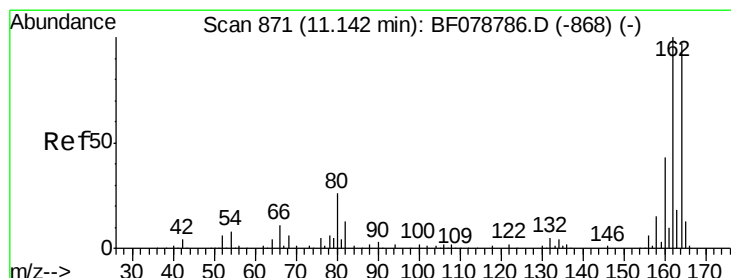
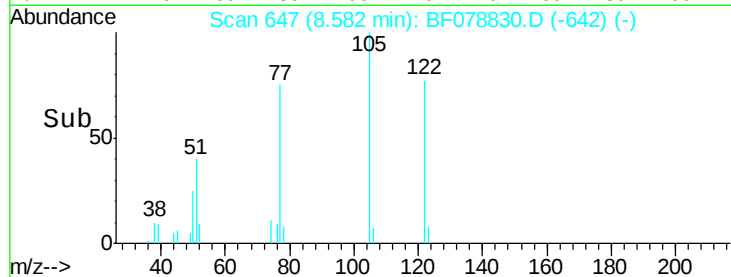
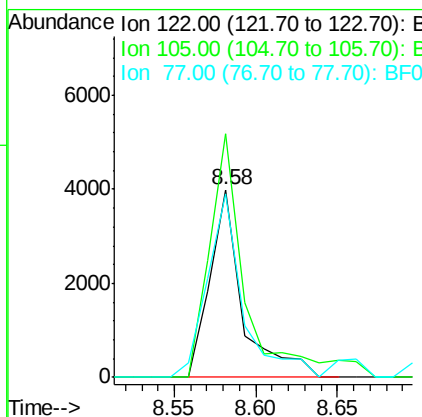
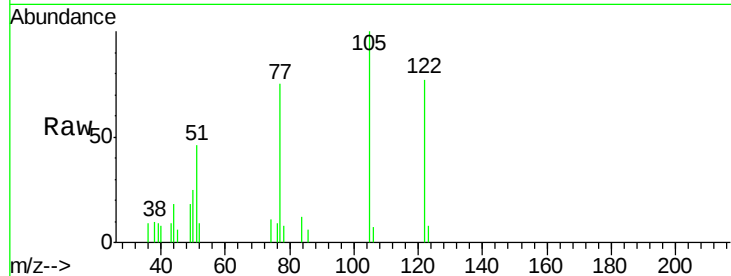




#32
Benzoic acid
Concen: 4.57 ng
RT: 8.58 min Scan# 647
Delta R.T. -0.05 min
Lab File: BF078830.D
Acq: 30 Apr 2015 1:21

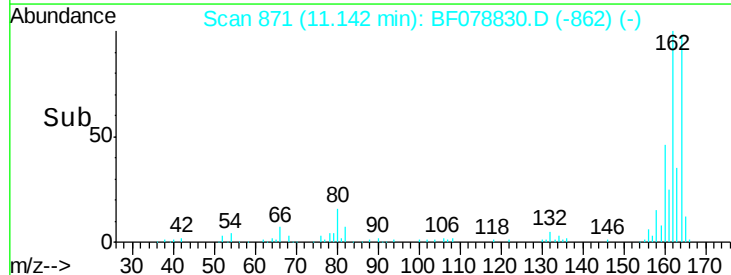
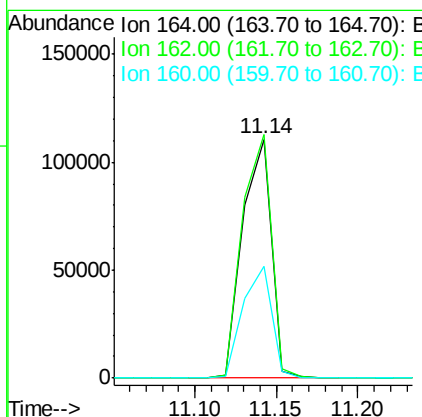
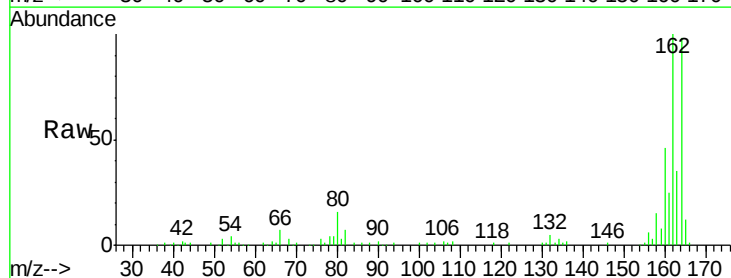
Instrument :
BNA_F
ClientSampleId :
TEC-03

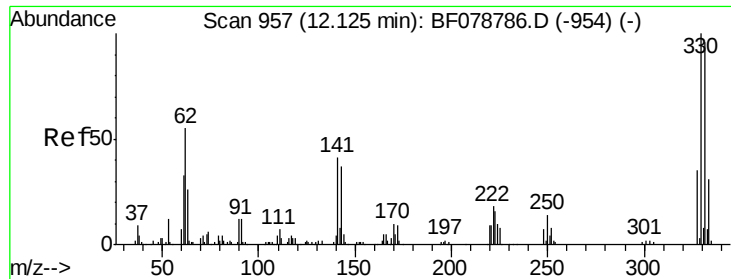
Tot Ion:122 Resp: 5580
Ion Ratio Lower Upper
122 100
105 129.9 107.1 147.1
77 97.6 73.9 113.9



#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

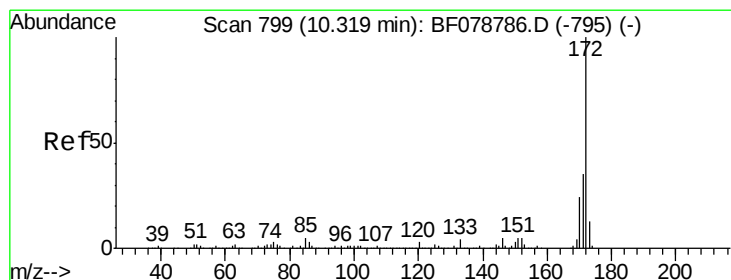
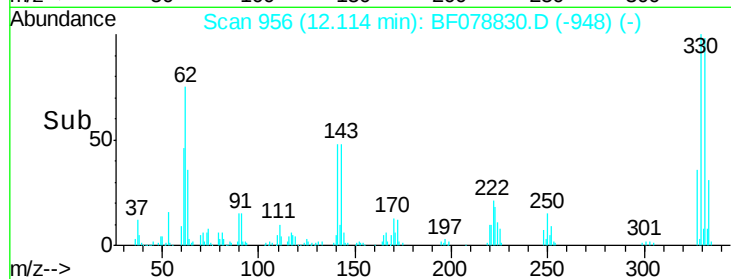
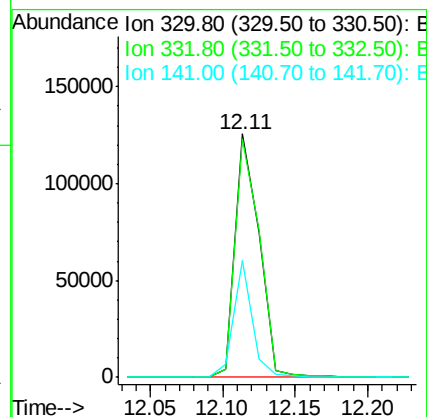
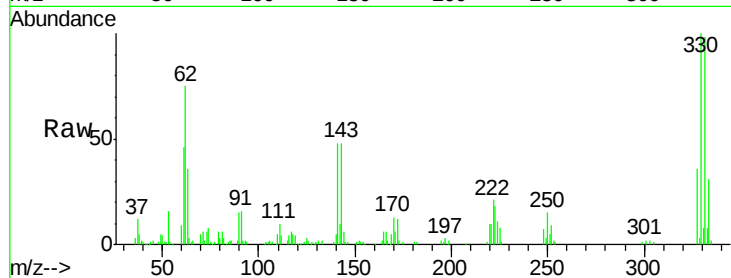




#41
 2,4,6-Tribromophenol
 Concen: 109.62 ng
 RT: 12.11 min Scan# 956
 Delta R.T. -0.01 min
 Lab File: BF078830.D
 Acq: 30 Apr 2015 1:21

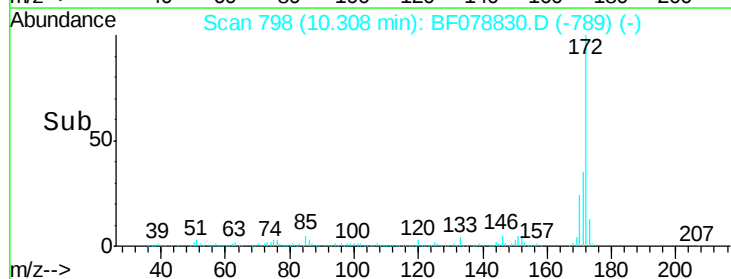
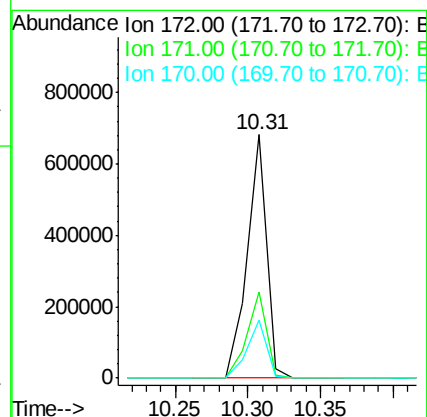
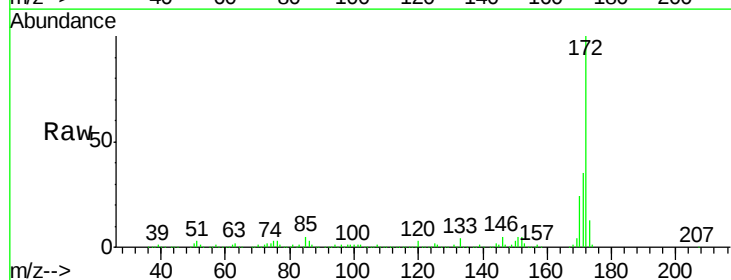
Instrument :
 BNA_F
 ClientSampleId :
 TEC-03

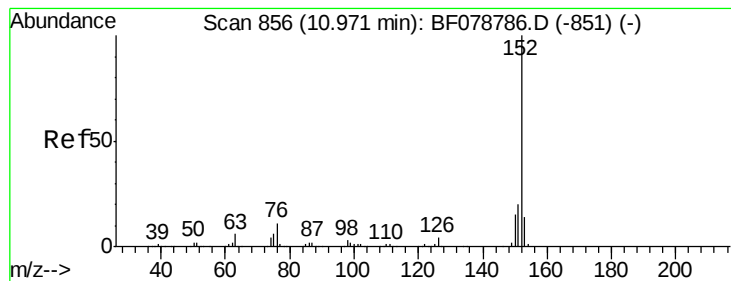
Tot Ion	Ratio	Lower	Upper
330	100		
332	99.4	0.0	0.0#
141	37.4	0.0	0.0#



#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	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

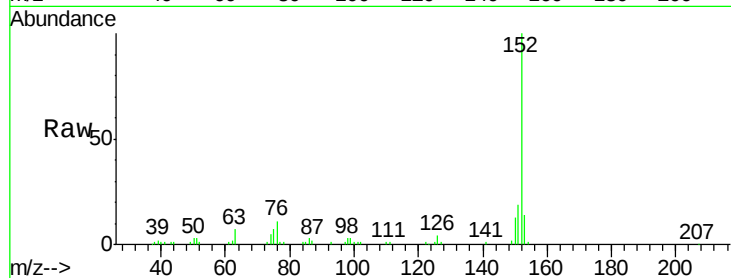
Tot Ion:152 Resp: 63685

Ion Ratio Lower Upper

152 100

151 19.1 16.2 24.4

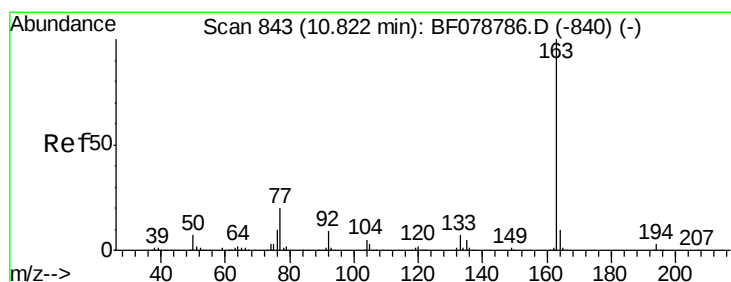
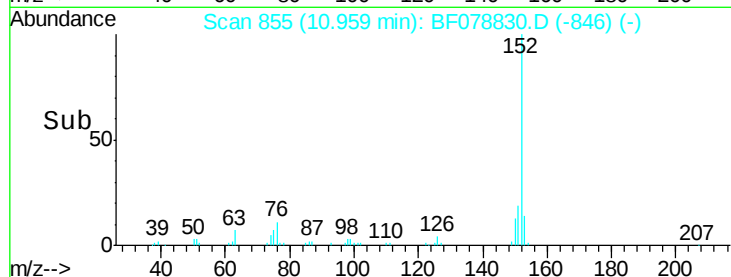
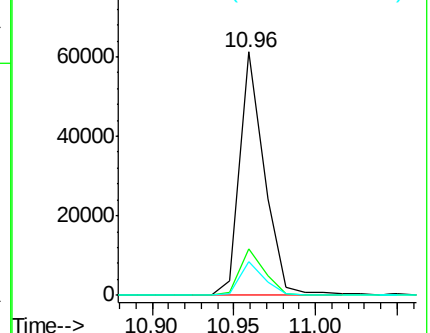
153 13.6 10.9 16.3



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

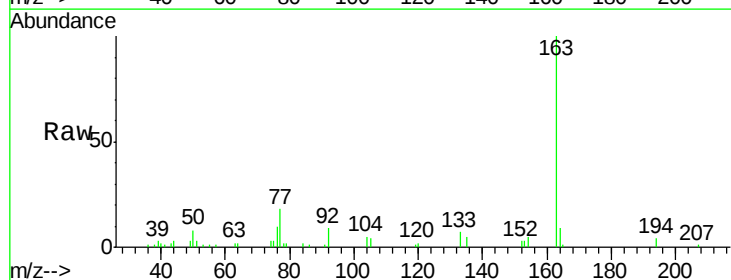
Tgt Ion:163 Resp: 25230

Ion Ratio Lower Upper

163 100

194 3.5 2.6 4.0

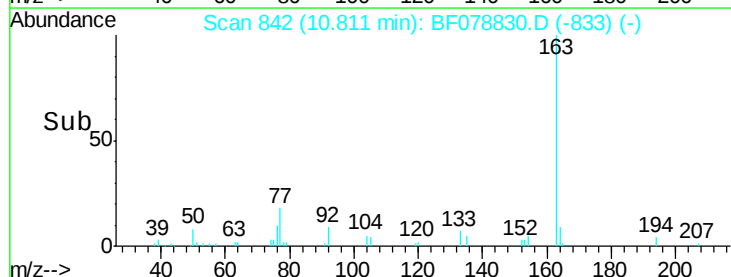
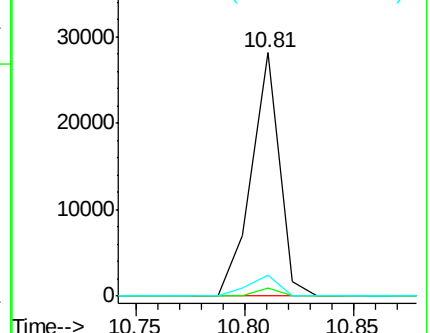
164 8.8 8.1 12.1

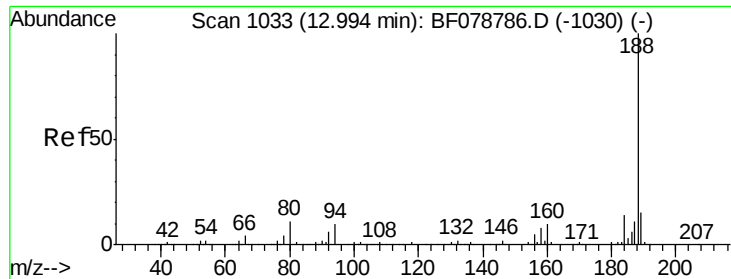


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E

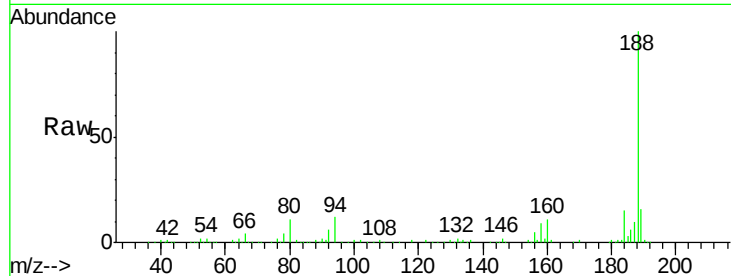




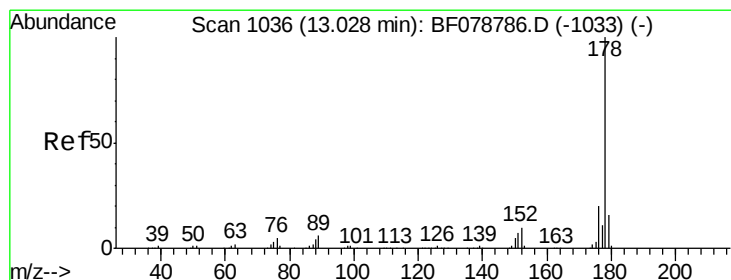
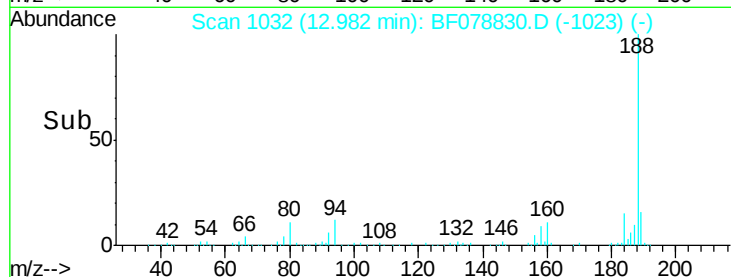
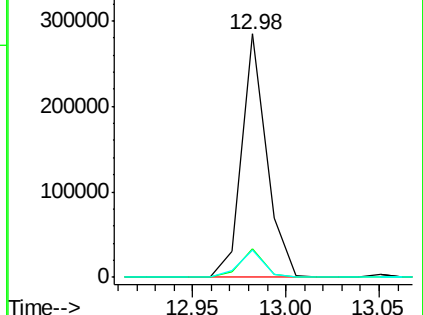
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.98 min Scan# 1032
Delta R.T. -0.00 min
Lab File: BF078830.D
Acq: 30 Apr 2015 1:21

Instrument :
BNA_F
ClientSampleId :
TEC-03

Tot Ion:188 Resp: 265343
Ion Ratio Lower Upper
188 100
94 11.6 8.2 12.2
80 11.5 8.9 13.3

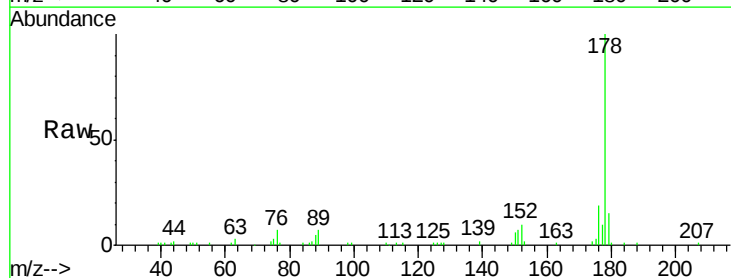


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

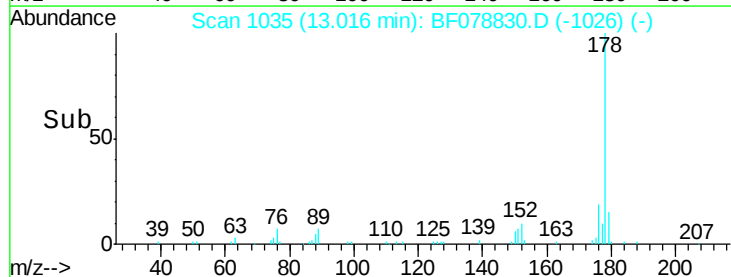
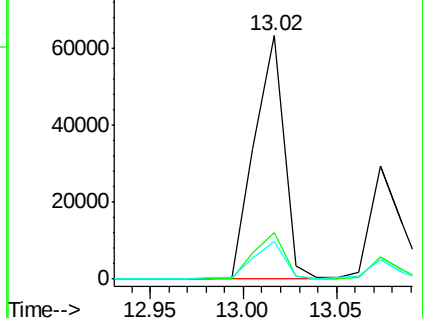


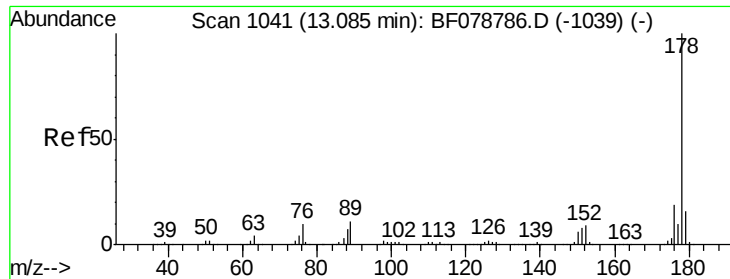
#70
Phenanthrene
Concen: 4.86 ng
RT: 13.02 min Scan# 1035
Delta R.T. -0.00 min
Lab File: BF078830.D
Acq: 30 Apr 2015 1:21

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

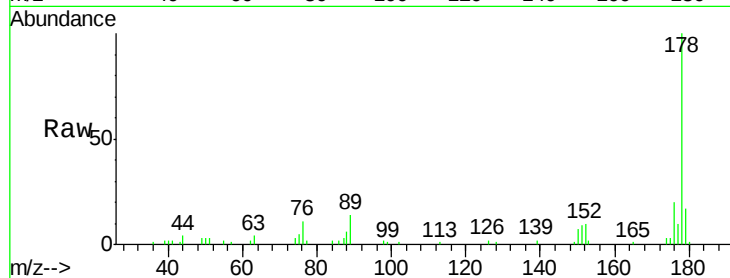




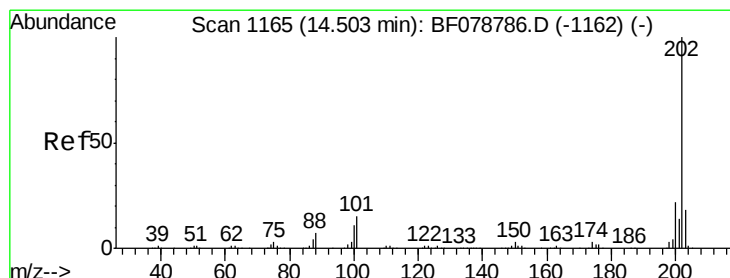
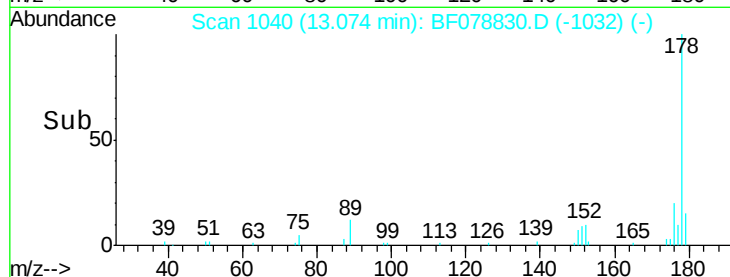
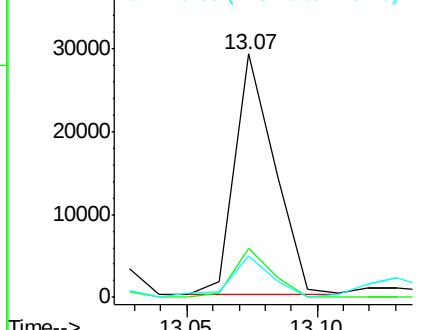
#71
 Anthracene
 Concen: 2.22 ng
 RT: 13.07 min Scan# 1040
 Delta R.T. -0.01 min
 Lab File: BF078830.D
 Acq: 30 Apr 2015 1:21

Instrument :
 BNA_F
 ClientSampleId :
 TEC-03

Tot Ion:178 Resp: 31237
 Ion Ratio Lower Upper
 178 100
 176 20.0 15.5 23.3
 179 16.9 12.7 19.1

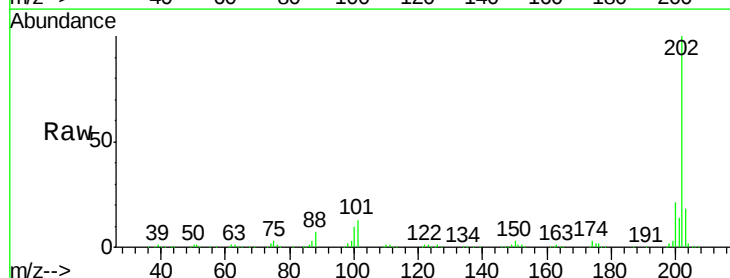


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

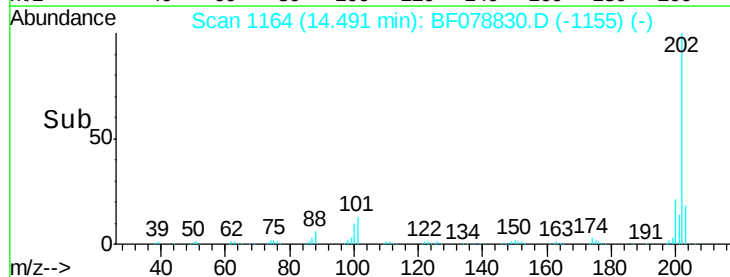
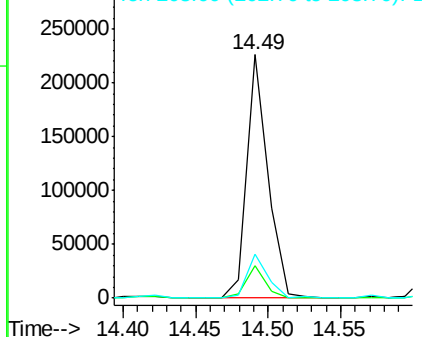


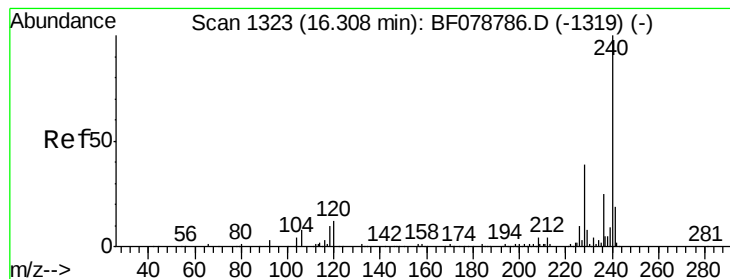
#74
 Fluoranthene
 Concen: 15.82 ng
 RT: 14.49 min Scan# 1164
 Delta R.T. -0.00 min
 Lab File: BF078830.D
 Acq: 30 Apr 2015 1:21

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

Instrument :

BNA_F

ClientSampleId :

TEC-03

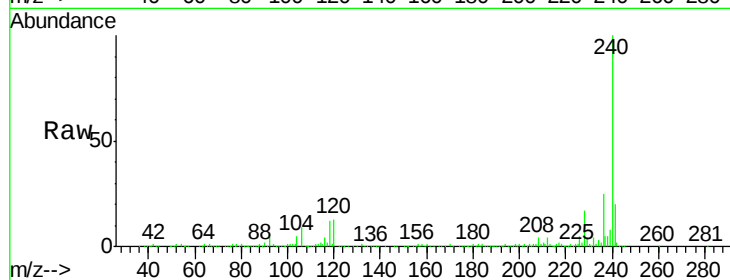
Tot Ion:240 Resp: 292208

Ion Ratio Lower Upper

240 100

120 12.9 9.7 14.5

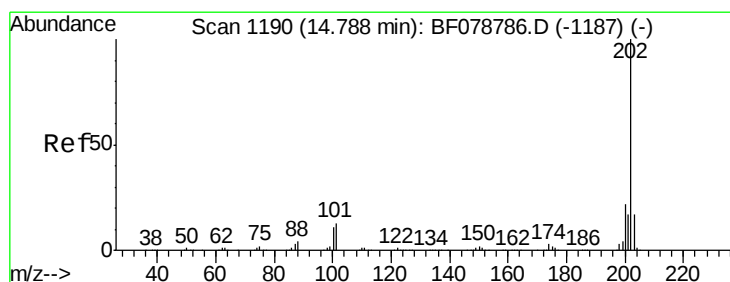
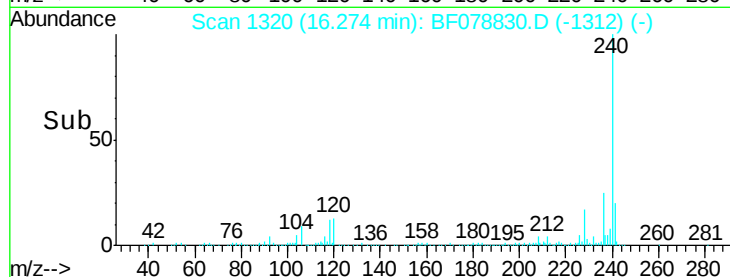
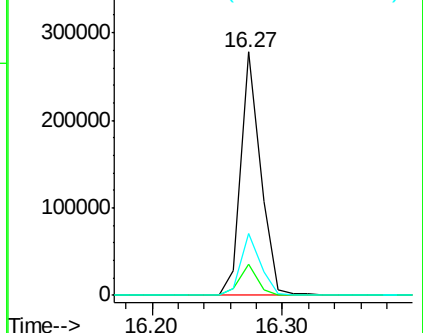
236 25.1 20.2 30.4



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

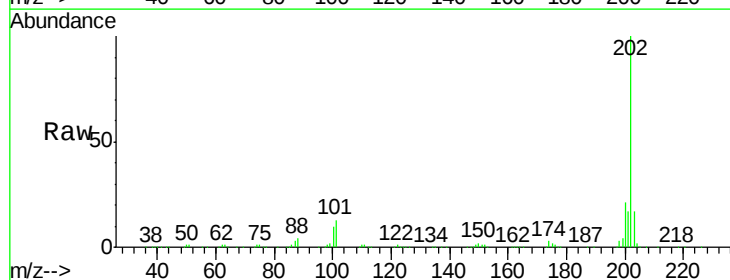
Tgt Ion:202 Resp: 272398

Ion Ratio Lower Upper

202 100

200 21.3 17.5 26.3

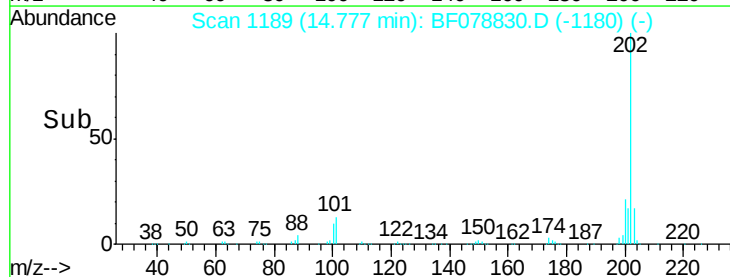
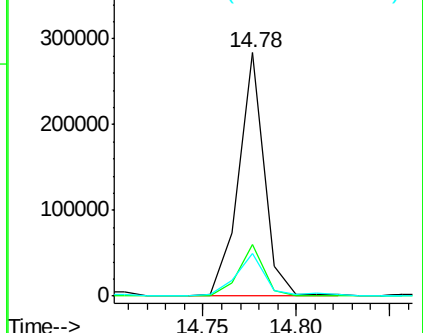
203 17.5 13.9 20.9

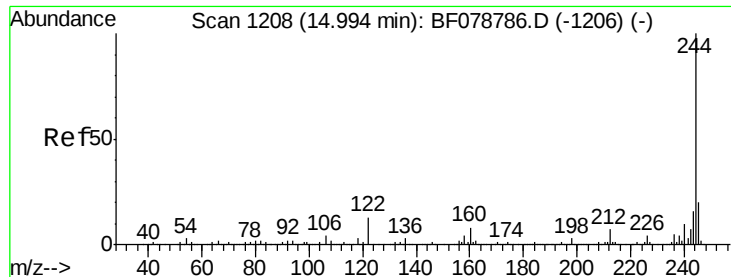


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

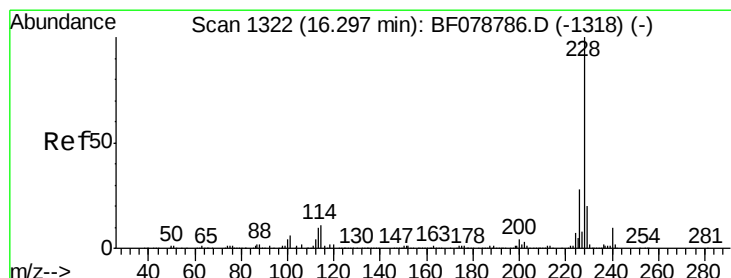
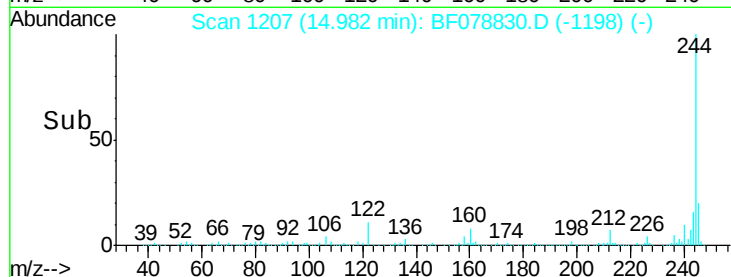
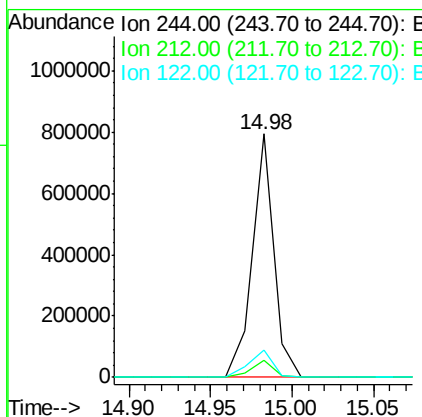
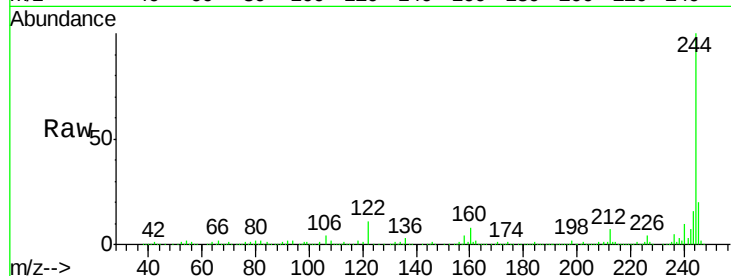




#78
 Terphenyl-d14
 Concen: 59.43 ng
 RT: 14.98 min Scan# 1207
 Delta R.T. -0.00 min
 Lab File: BF078830.D
 Acq: 30 Apr 2015 1:21

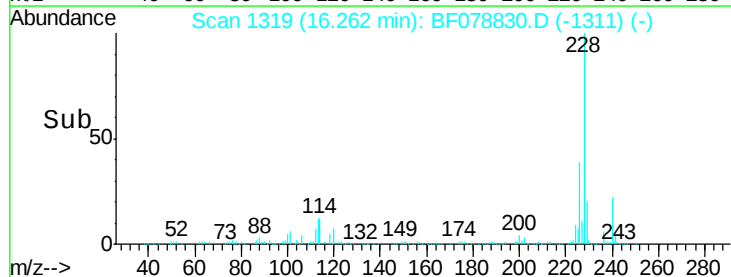
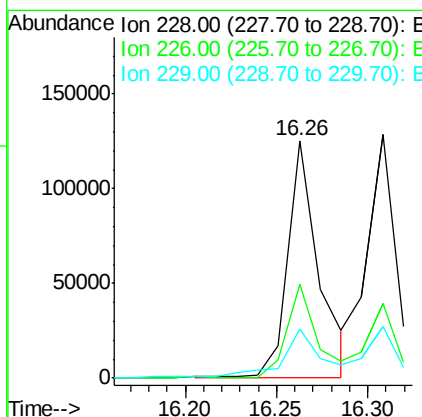
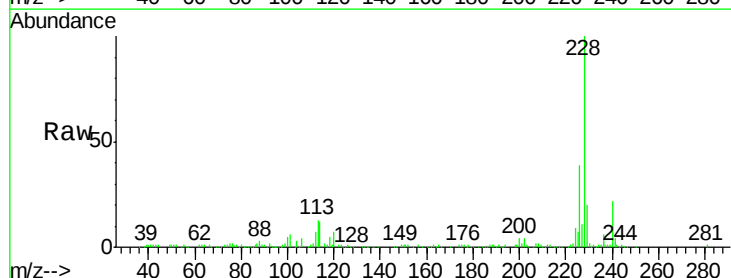
Instrument :
 BNA_F
 ClientSampleID :
 TEC-03

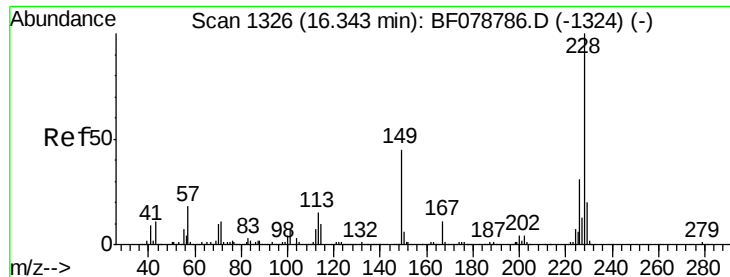
Tot Ion	Ratio	Lower	Upper
244	100		
212	6.8	5.6	8.4
122	11.3	10.3	15.5



#80
 Benzo(a)anthracene
 Concen: 9.52 ng m
 RT: 16.26 min Scan# 1319
 Delta R.T. -0.01 min
 Lab File: BF078830.D
 Acq: 30 Apr 2015 1:21

Tgt Ion	Ratio	Lower	Upper
228	100		
226	39.4	22.6	33.8#
229	20.4	15.9	23.9

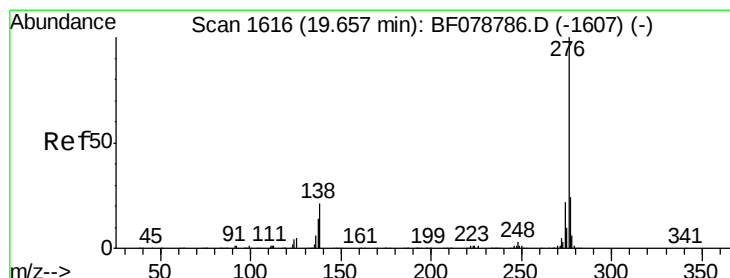
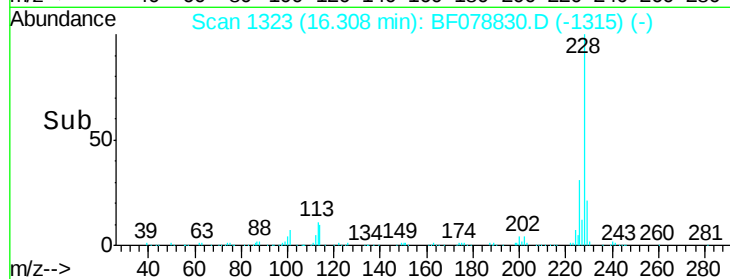
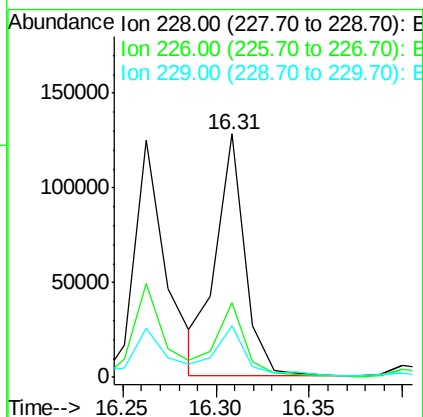
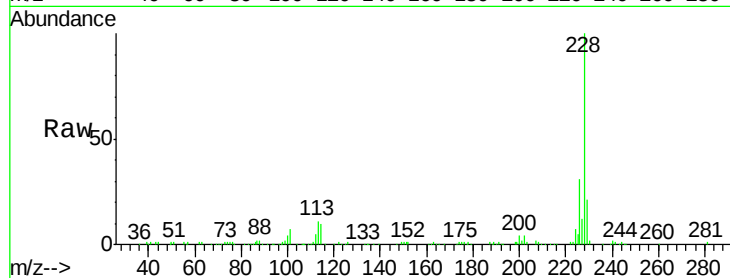




#82
Chrysene
Concen: 8.97 ng
RT: 16.31 min Scan# 1323
Delta R.T. -0.01 min
Lab File: BF078830.D
Acq: 30 Apr 2015 1:21

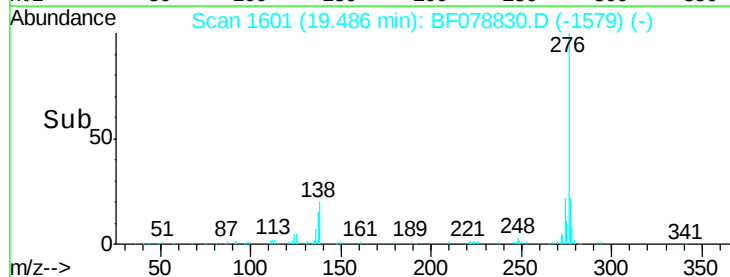
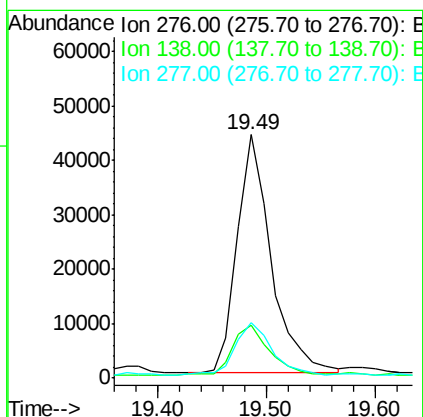
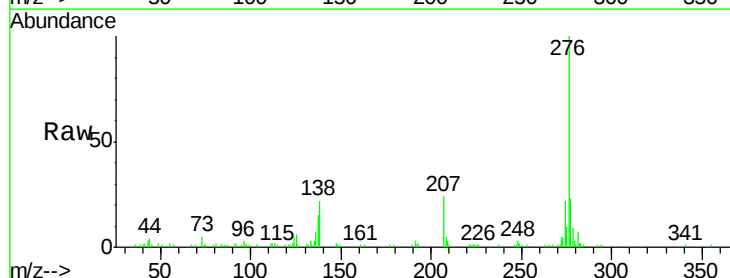
Instrument :
BNA_F
ClientSampleId :
TEC-03

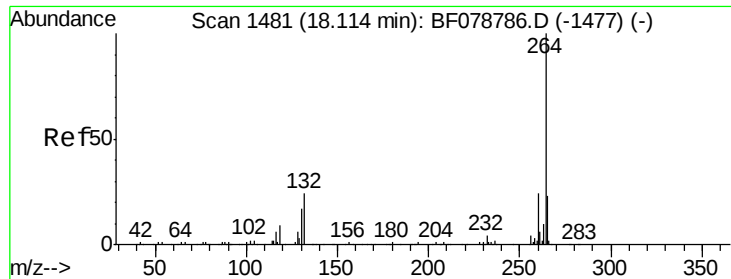
Tot Ion:228 Resp: 137101
Ion Ratio Lower Upper
228 100
226 30.8 24.9 37.3
229 21.1 16.0 24.0



#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:276 Resp: 95278
Ion Ratio Lower Upper
276 100
138 23.4 0.0 0.0#
277 24.7 0.0 0.0#

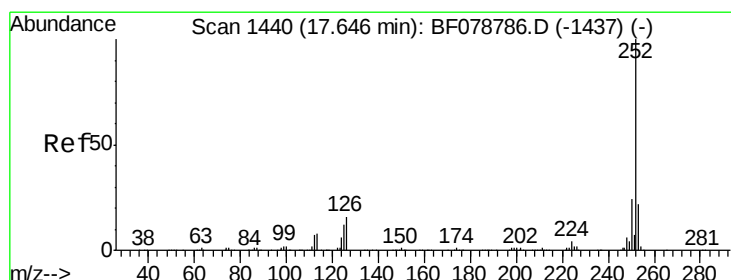
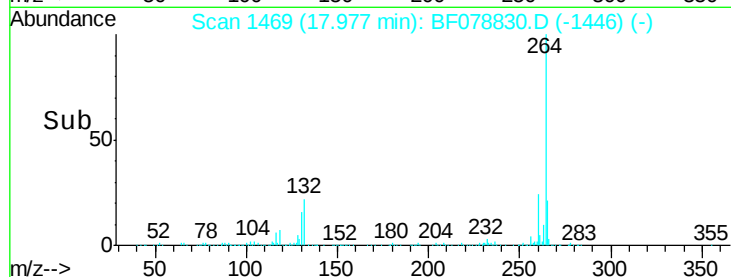
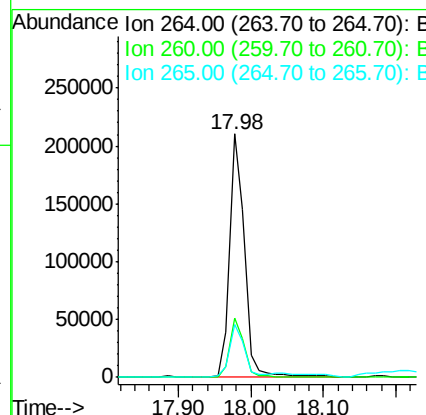
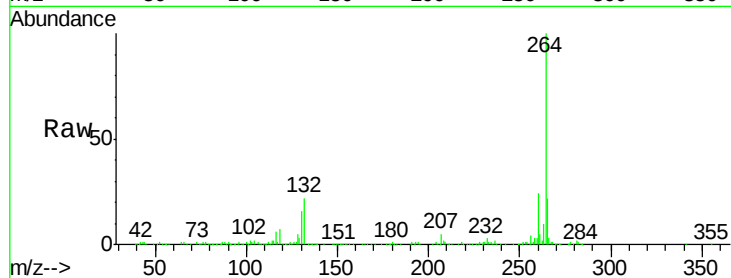




#86
Pervlene-d12
Concen: 20.00 ng
RT: 17.98 min Scan# 1469
Delta R.T. -0.03 min
Lab File: BF078830.D
Acq: 30 Apr 2015 1:21

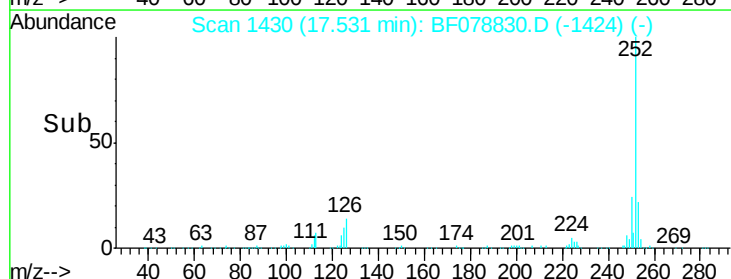
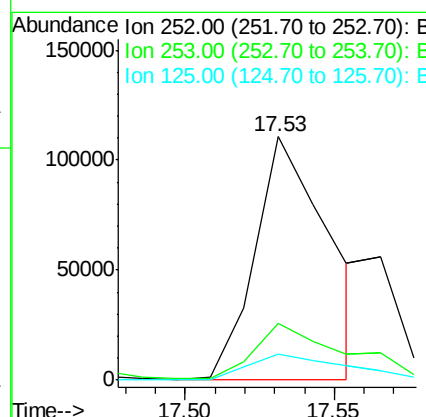
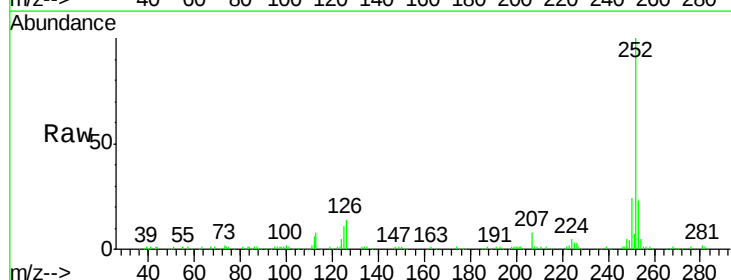
Instrument :
BNA_F
ClientSampleId :
TEC-03

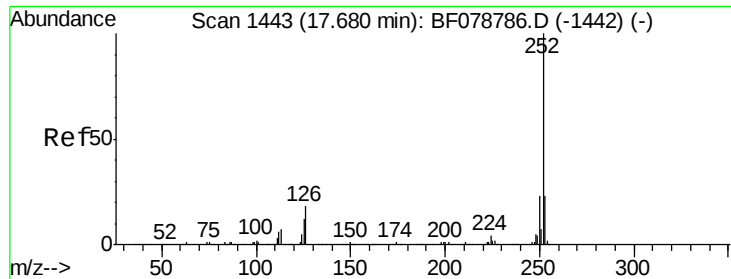
Tot Ion:264 Resp: 299767
Ion Ratio Lower Upper
264 100
260 24.2 19.4 29.2
265 21.7 18.3 27.5



#87
Benzo(b)fluoranthene
Concen: 11.75 ng m
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: 190585
Ion Ratio Lower Upper
252 100
253 23.1 17.7 26.5
125 10.6 9.5 14.3

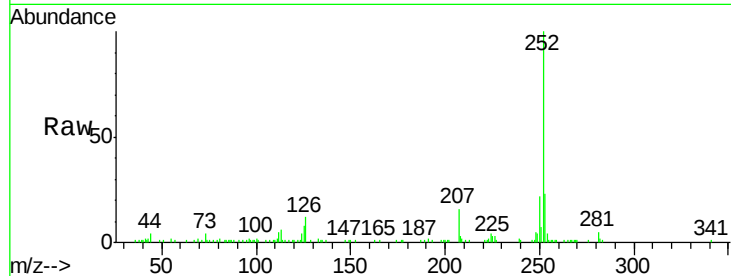




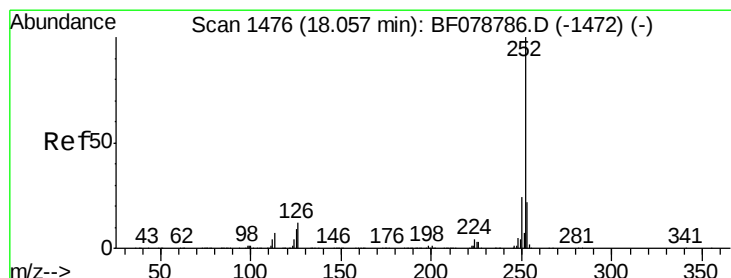
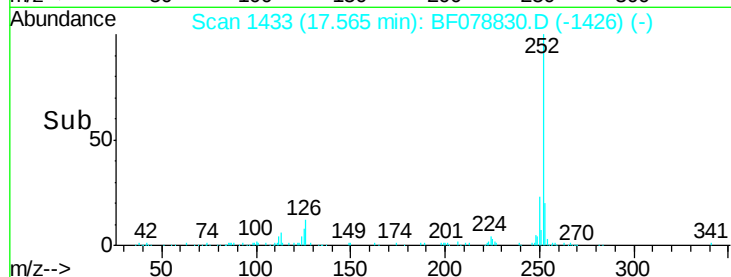
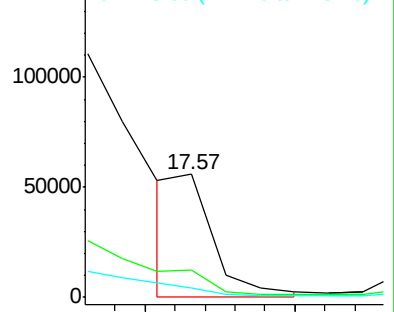
#88
Benzo(k)fluoranthene
Concen: 3.18 ng m
RT: 17.57 min Scan# 1433
Delta R.T. -0.02 min
Lab File: BF078830.D
Acq: 30 Apr 2015 1:21

Instrument :
BNA_F
ClientSampled :
TEC-03

Tot Ion:252 Resp: 50030
Ion Ratio Lower Upper
252 100
253 22.5 18.1 27.1
125 7.8 10.0 15.0#

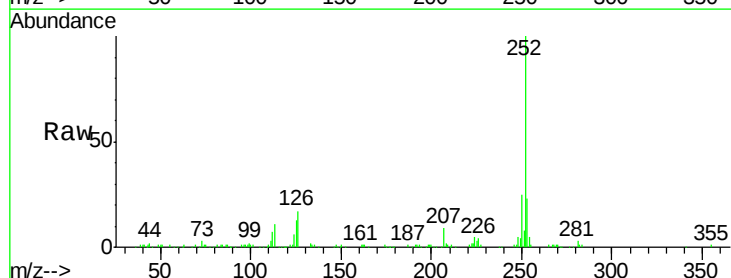


Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

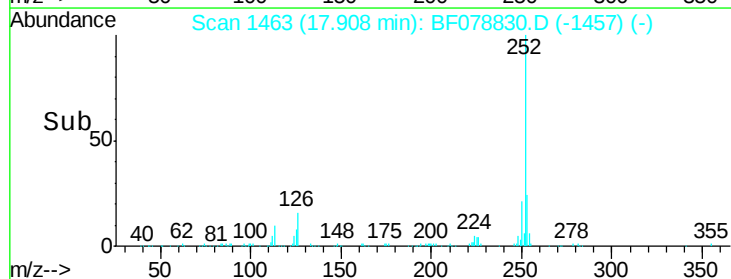
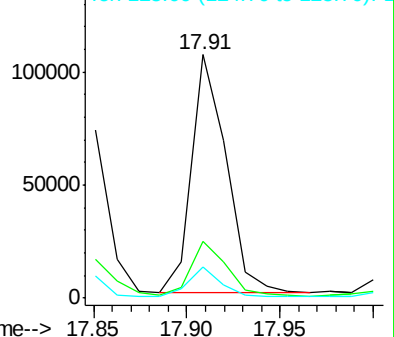


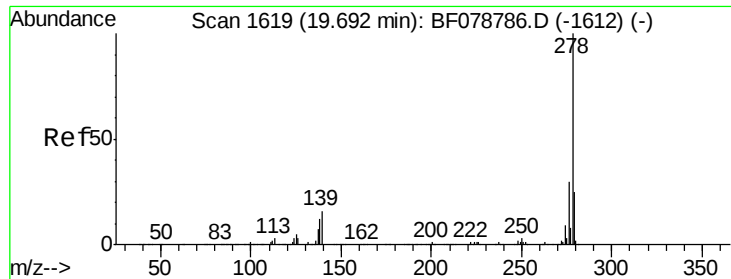
#89
Benzo(a)pyrene
Concen: 9.44 ng
RT: 17.91 min Scan# 1463
Delta R.T. -0.03 min
Lab File: BF078830.D
Acq: 30 Apr 2015 1:21

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#



Abundance Ion 252.00 (251.70 to 252.70): E
Ion 253.00 (252.70 to 253.70): E
Ion 125.00 (124.70 to 125.70): E

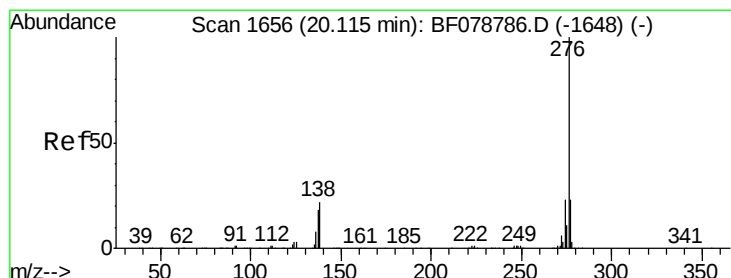
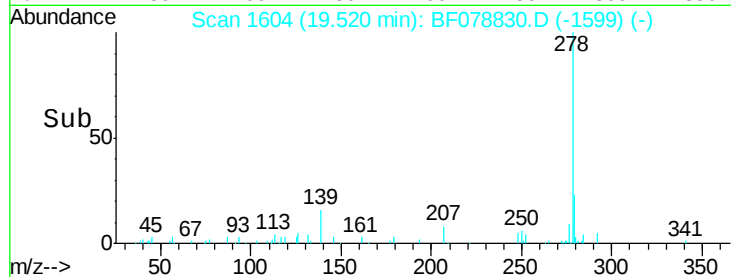
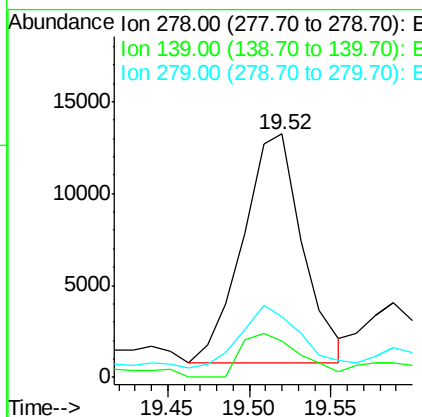
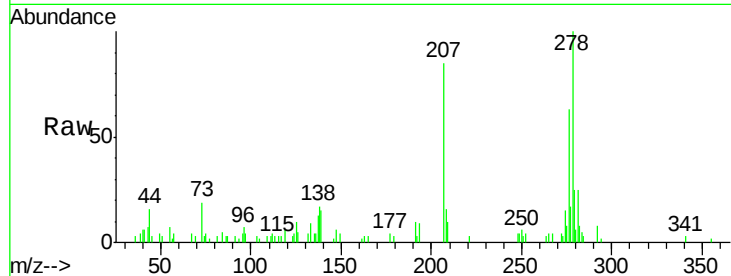




#90
Dibenzo(a,h)anthracene
Concen: 2.10 ng
RT: 19.52 min Scan# 1604
Delta R.T. -0.05 min
Lab File: BF078830.D
Acq: 30 Apr 2015 1:21

Instrument :
BNA_F
ClientSampleId :
TEC-03

Tot Ion:278 Resp: 31645
Ion Ratio Lower Upper
278 100
139 15.1 12.8 19.2
279 25.1 19.6 29.4



#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

