

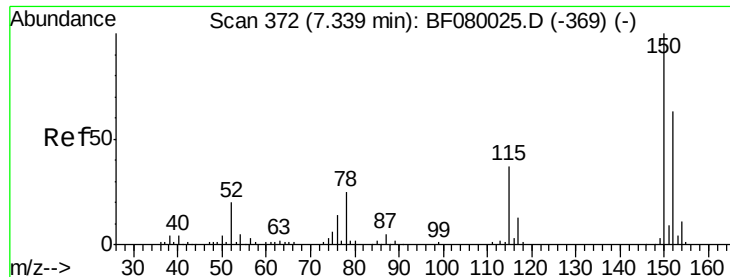
Data Path : Z:\HPCHEM1\BNA_F\DATA\BF063015\
 Data File : BF080257.D
 Acq On : 1 Jul 2015 3:12
 Operator : TP/IZ
 Sample : G2838-05
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B7

Quant Time: Jul 01 05:08:11 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF061715.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 23 00:53:56 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.28	152	33550	20.00	ng	-0.05
21) Naphthalene-d8	8.57	136	135550	20.00	ng	-0.05
38) Acenaphthene-d10	10.34	164	69453	20.00	ng	-0.05
63) Phenanthrene-d10	11.85	188	138046	20.00	ng	-0.06
75) Chrysene-d12	14.79	240	154289	20.00	ng	-0.21
86) Perylene-d12	16.64	264	158780	20.00	ng	-0.29
System Monitoring Compounds						
5) 2-Fluorophenol	5.90	112	325745	171.87	ng	-0.03
7) Phenol-d6	6.89	99	447609	177.47	ng	-0.03
23) Nitrobenzene-d5	7.84	82	254680	109.38	ng	-0.03
41) 2,4,6-Tribromophenol	11.14	330	107489	158.27	ng	-0.03
44) 2-Fluorobiphenyl	9.65	172	465734	95.63	ng	-0.05
78) Terphenyl-d14	13.53	244	563560	85.31	ng	-0.14
Target Compounds						Qvalue
15) Benzyl Alcohol	7.44	79	4322	2.10	ng	# 32
19) n-Nitroso-di-n-propylamine	7.84	70	32439	18.53	ng	# 60
25) Isophorone	7.84	82	254670	54.35	ng	# 58
48) Acenaphthylene	10.21	152	58452	7.64	ng	98
49) Dimethylphthalate	10.04	163	49764	9.53	ng	# 97
51) Acenaphthene	10.38	154	10965	2.34	ng	# 81
57) Fluorene	10.89	166	17718	3.36	ng	96
66) 4-Bromophenyl-phenylether	11.14	248	7334	5.00	ng	# 1
70) Phenanthrene	11.88	178	270472	32.36	ng	98
71) Anthracene	11.92	178	92678	11.52	ng	99
74) Fluoranthene	13.13	202	801211	90.01	ng	89
77) Pyrene	13.38	202	688331	72.46	ng	95
80) Benzo(a)anthracene	14.78	228	511465	54.41	ng	93
82) Chrysene	14.83	228	360246	41.56	ng	92
87) Benzo(b)fluoranthene	16.12	252	620242	64.52	ng	# 88
88) Benzo(k)fluoranthene	16.12	252	620242	63.36	ng	# 88
89) Benzo(a)pyrene	16.57	252	297536	32.59	ng	# 84
90) Dibenzo(a,h)anthracene	18.48	278	40132	4.29	ng	# 79
91) Benzo(g,h,i)perylene	19.01	276	155415	16.47	ng	# 80

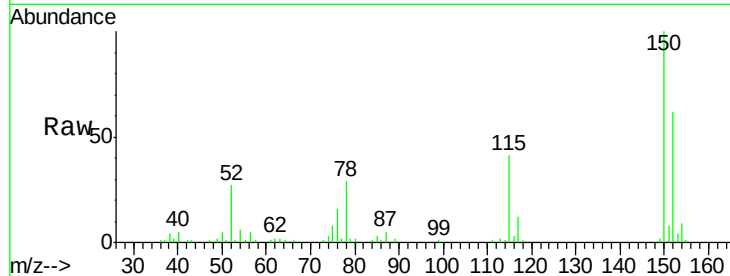
(#) = qualifier out of range (m) = manual integration (+) = signals summed



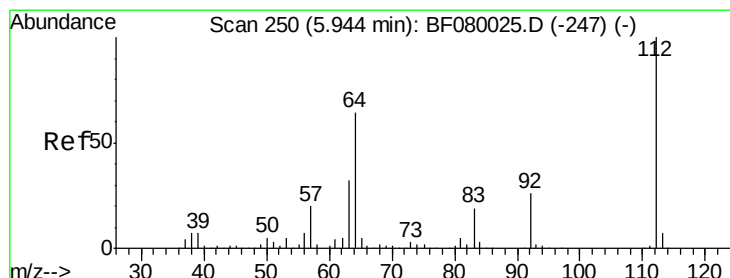
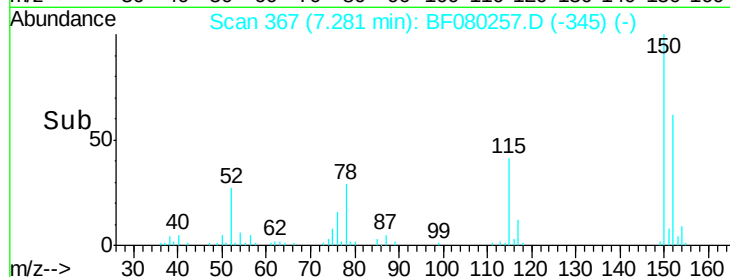
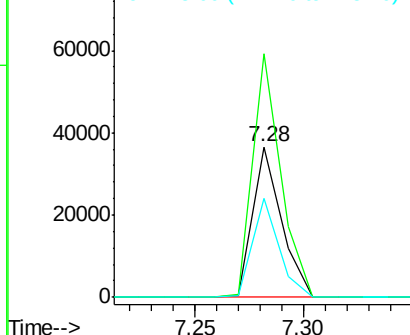
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.28 min Scan# 367
 Delta R.T. -0.05 min
 Lab File: BF080257.D
 Acq: 1 Jul 2015 3:12

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B7

Tgt Ion:152 Resp: 33550
 Ion Ratio Lower Upper
 152 100
 150 161.7 124.7 187.1
 115 65.8 39.0 58.4#

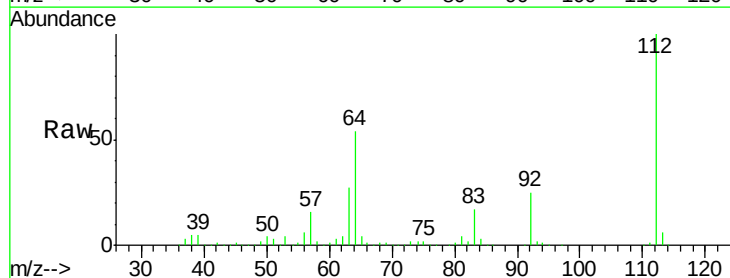


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

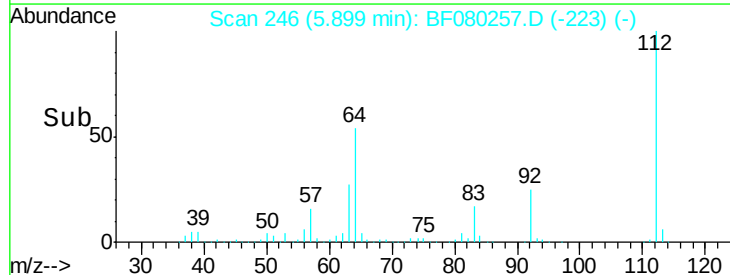
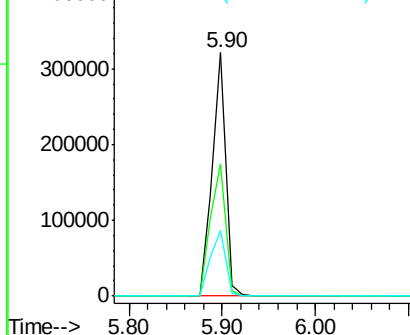


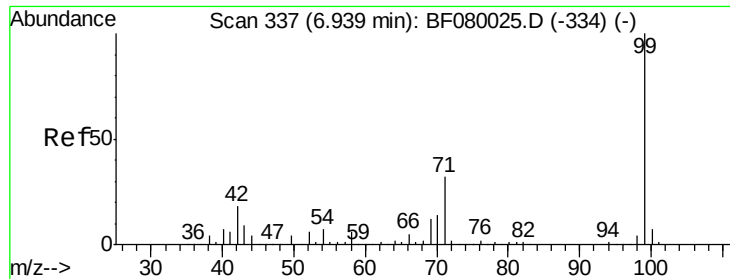
#5
 2-Fluorophenol
 Concen: 171.87 ng
 RT: 5.90 min Scan# 246
 Delta R.T. -0.03 min
 Lab File: BF080257.D
 Acq: 1 Jul 2015 3:12

Tgt Ion:112 Resp: 325745
 Ion Ratio Lower Upper
 112 100
 64 54.4 39.7 59.5
 63 27.2 17.4 26.0#



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: 177.47 ng

RT: 6.89 min Scan# 333

Delta R.T. -0.03 min

Lab File: BF080257.D

Acq: 1 Jul 2015 3:12

Instrument :

BNA_F

ClientSampleId :

TEC-B7

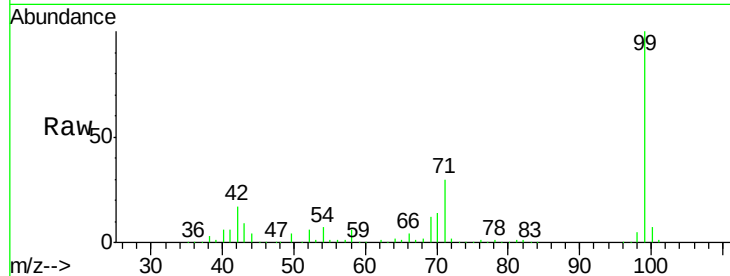
Tgt Ion: 99 Resp: 447609

Ion Ratio Lower Upper

99 100

42 16.8 13.7 20.5

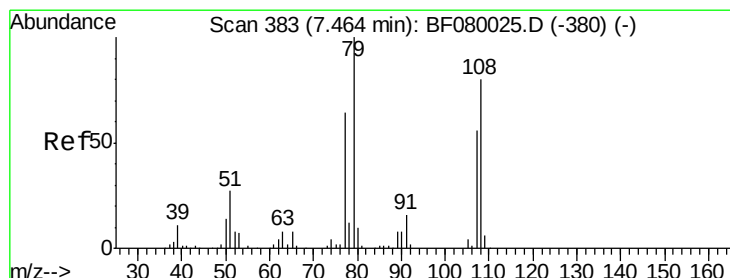
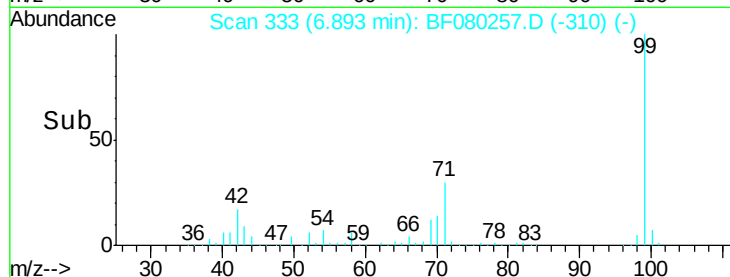
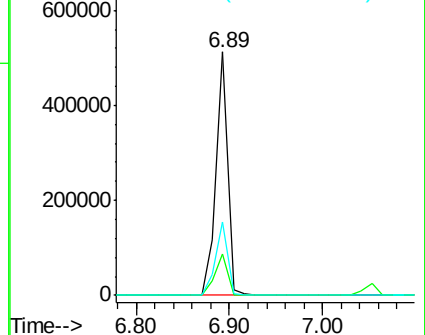
71 30.3 14.2 21.2#



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



#15

Benzyl Alcohol

Concen: 2.10 ng

RT: 7.44 min Scan# 381

Delta R.T. -0.00 min

Lab File: BF080257.D

Acq: 1 Jul 2015 3:12

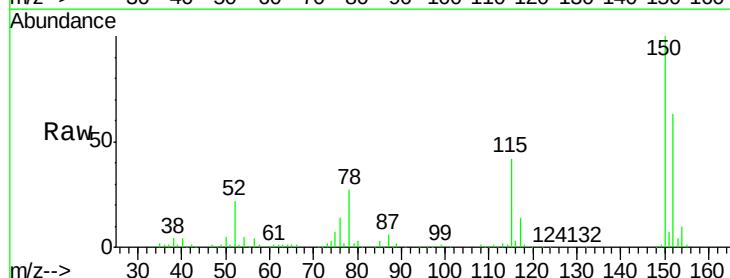
Tgt Ion: 79 Resp: 4322

Ion Ratio Lower Upper

79 100

108 34.6 88.6 132.8#

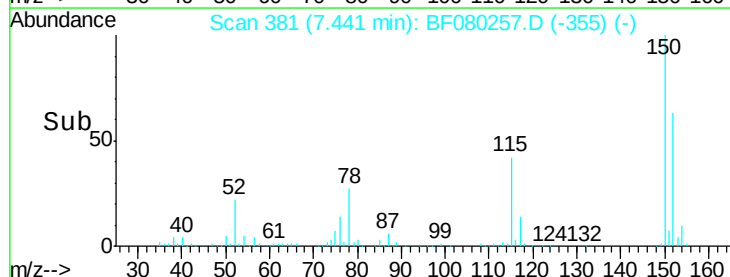
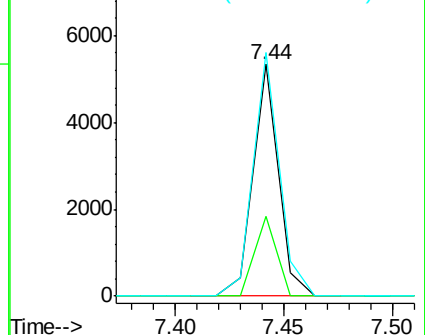
77 104.9 47.0 70.4#

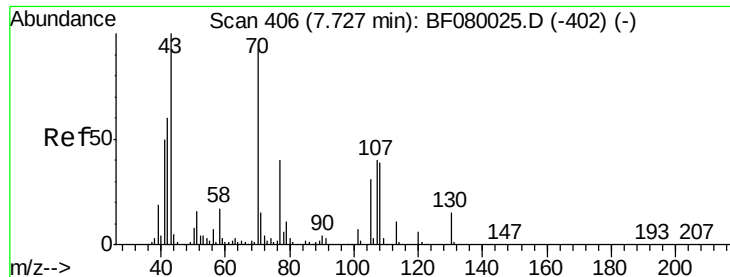


Abundance Ion 79.00 (78.70 to 79.70): BF0

Ion 108.00 (107.70 to 108.70): BF0

Ion 77.00 (76.70 to 77.70): BF0

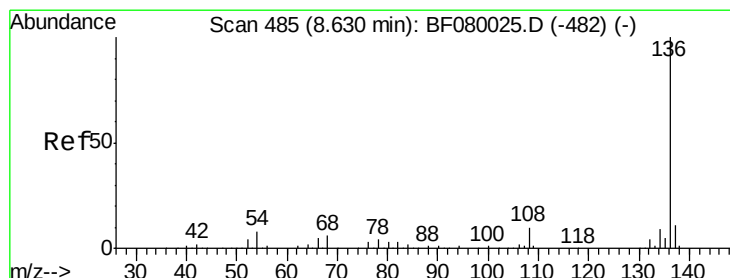
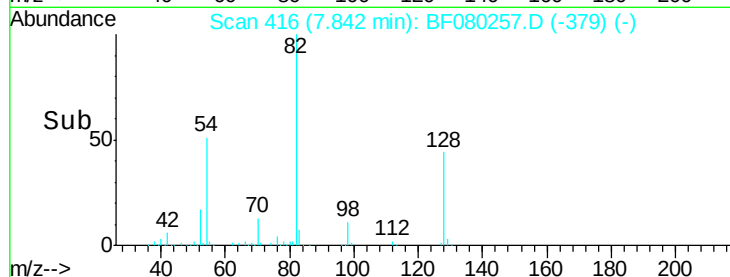
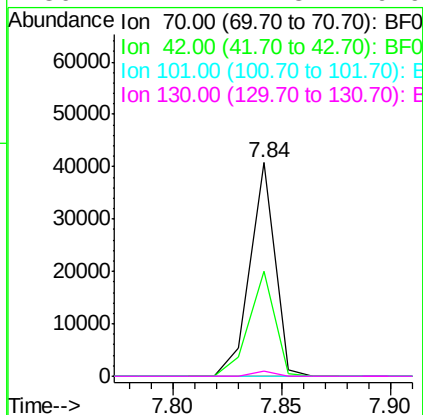
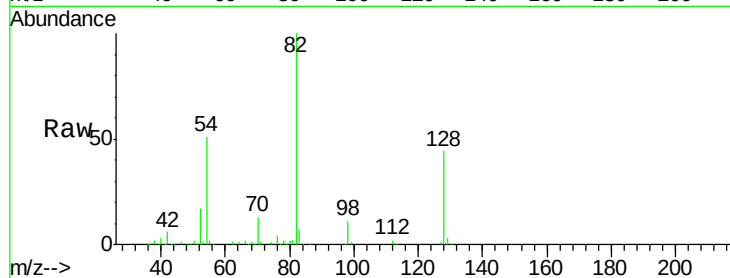




#19
n-Nitroso-di-n-propylamine
Concen: 18.53 ng
RT: 7.84 min Scan# 416
Delta R.T. 0.13 min
Lab File: BF080257.D
Acq: 1 Jul 2015 3:12

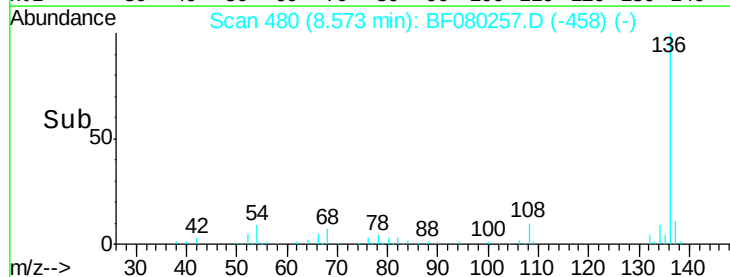
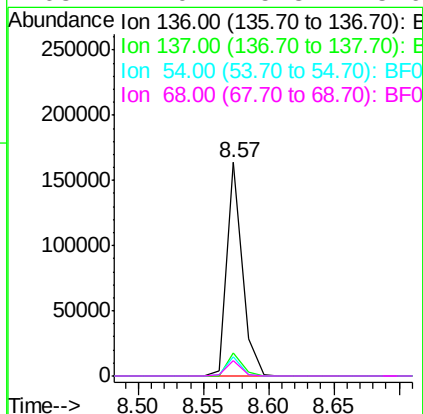
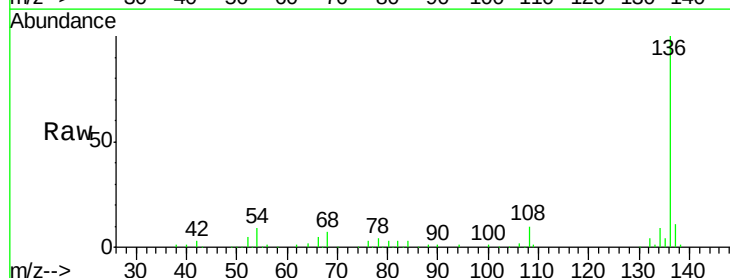
Instrument :
BNA_F
ClientSampleId :
TEC-B7

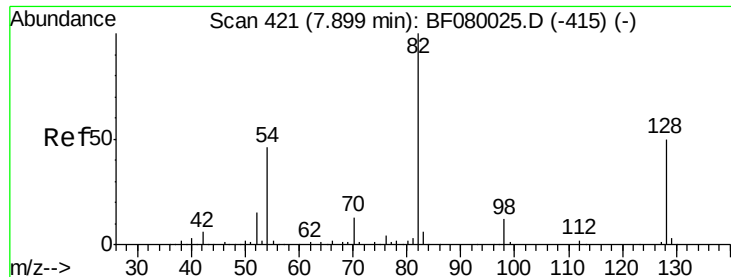
Tgt Ion: 70 Resp: 32439
Ion Ratio Lower Upper
70 100
42 49.1 63.8 95.6#
101 0.0 9.2 13.8#
130 2.4 27.3 40.9#



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.57 min Scan# 480
Delta R.T. -0.05 min
Lab File: BF080257.D
Acq: 1 Jul 2015 3:12

Tgt Ion: 136 Resp: 135550
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 9.2 8.2 12.2
68 7.0 5.8 8.6

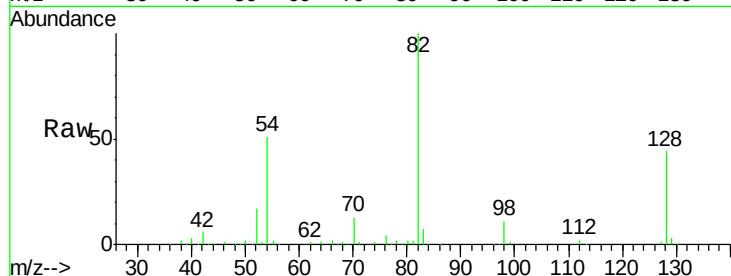




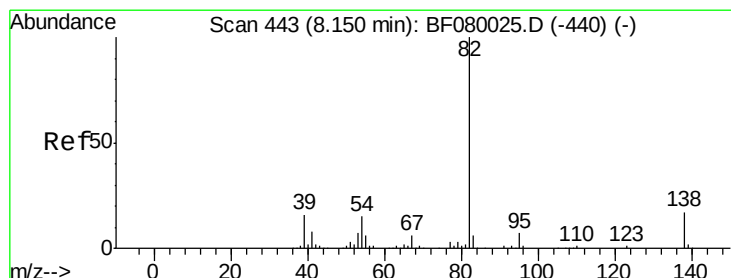
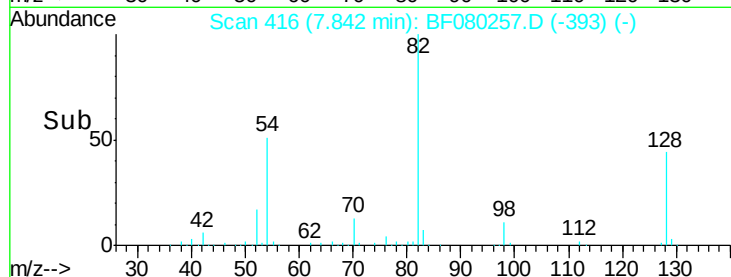
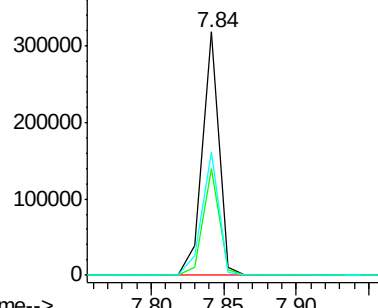
#23
Nitrobenzene-d5
Concen: 109.38 ng
RT: 7.84 min Scan# 416
Delta R.T. -0.03 min
Lab File: BF080257.D
Acq: 1 Jul 2015 3:12

Instrument :
BNA_F
ClientSampled :
TEC-B7

Tgt Ion: 82 Resp: 254680
Ion Ratio Lower Upper
82 100
128 43.6 51.0 76.6#
54 50.8 47.5 71.3

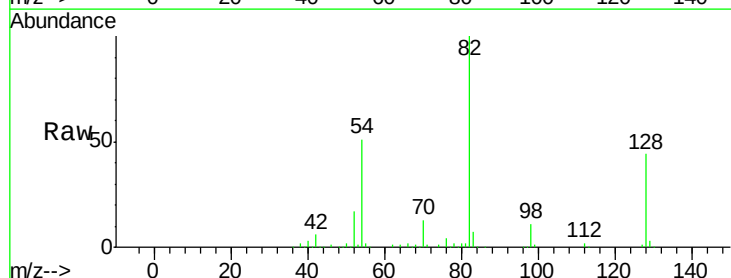


Abundance Ion 82.00 (81.70 to 82.70): BF0
Ion 128.00 (127.70 to 128.70): BF0
Ion 54.00 (53.70 to 54.70): BF0

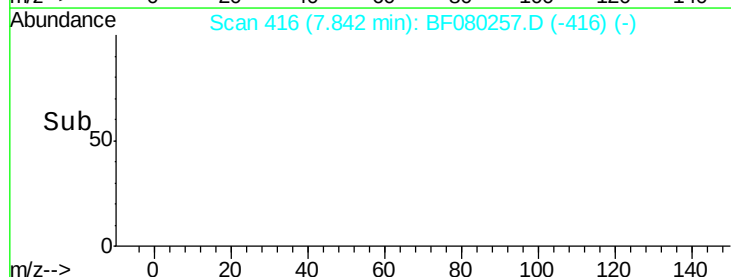
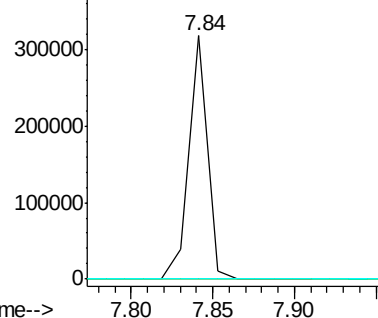


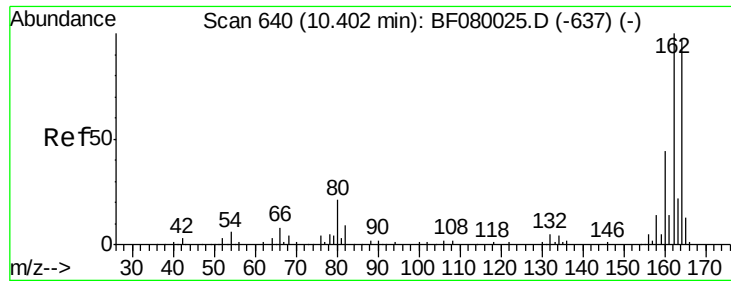
#25
Isophorone
Concen: 54.35 ng
RT: 7.84 min Scan# 416
Delta R.T. -0.30 min
Lab File: BF080257.D
Acq: 1 Jul 2015 3:12

Tgt Ion: 82 Resp: 254670
Ion Ratio Lower Upper
82 100
95 0.0 4.0 6.0#
138 0.0 18.3 27.5#



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

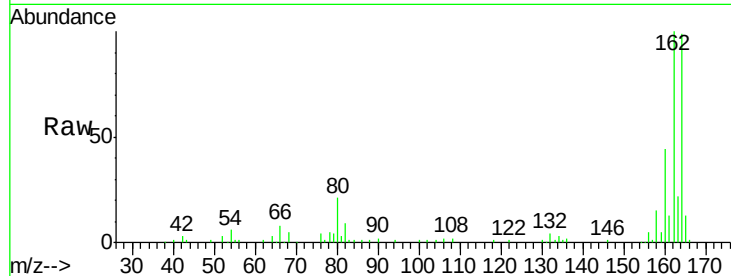




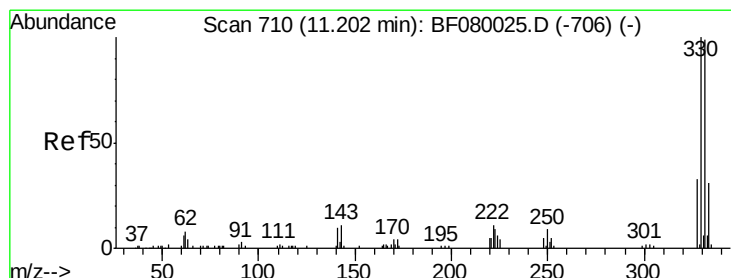
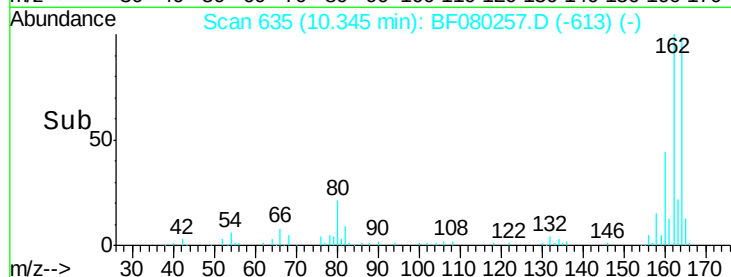
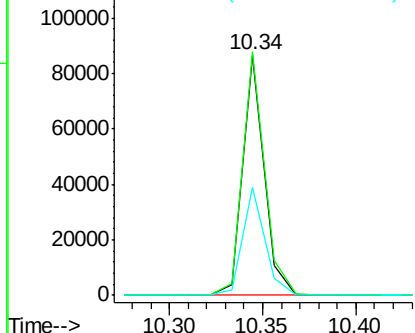
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.34 min Scan# 635
 Delta R.T. -0.05 min
 Lab File: BF080257.D
 Acq: 1 Jul 2015 3:12

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B7

Tgt Ion:164 Resp: 69453
 Ion Ratio Lower Upper
 164 100
 162 101.5 75.2 112.8
 160 44.8 31.5 47.3

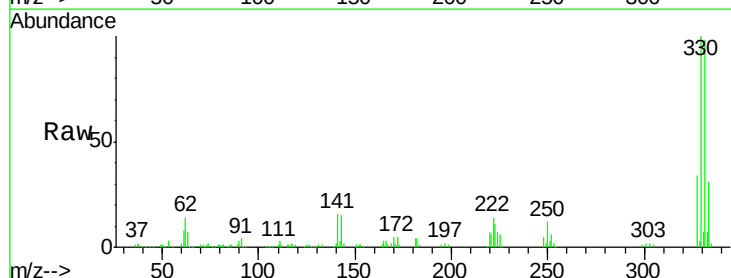


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

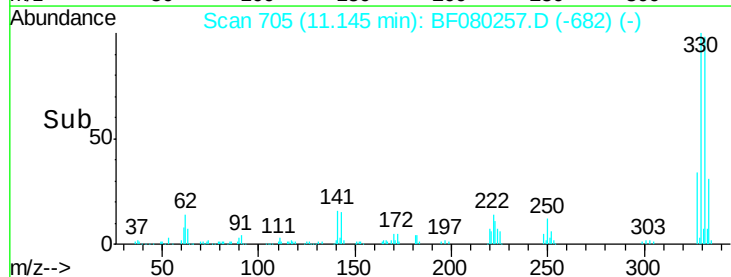
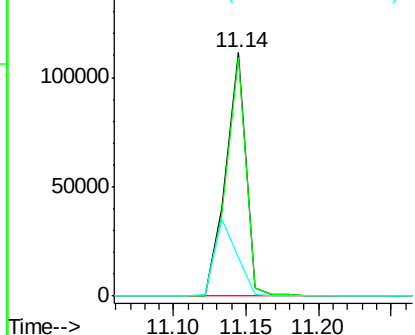


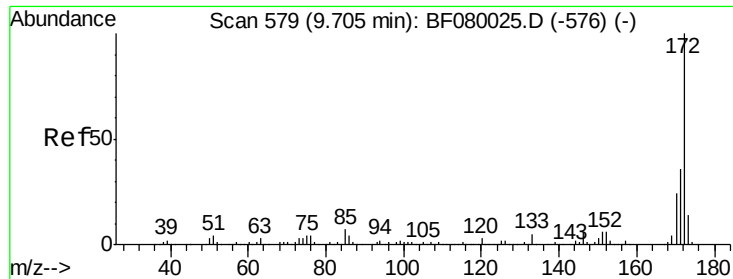
#41
 2,4,6-Tribromophenol
 Concen: 158.27 ng
 RT: 11.14 min Scan# 705
 Delta R.T. -0.03 min
 Lab File: BF080257.D
 Acq: 1 Jul 2015 3:12

Tgt Ion:330 Resp: 107489
 Ion Ratio Lower Upper
 330 100
 332 96.9 76.6 114.8
 141 35.0 29.7 44.5



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

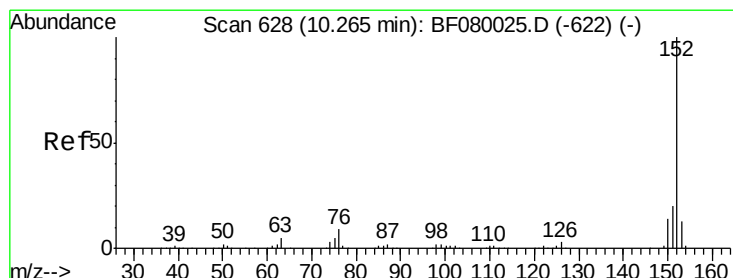
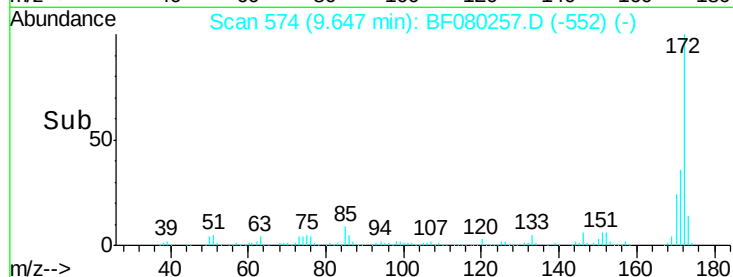
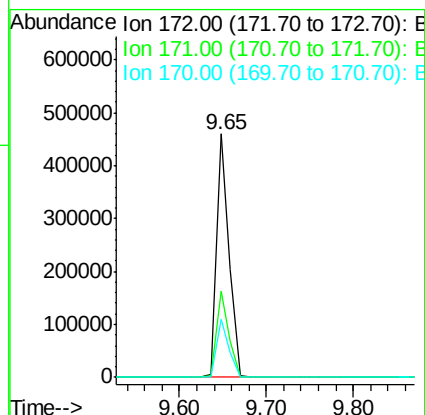
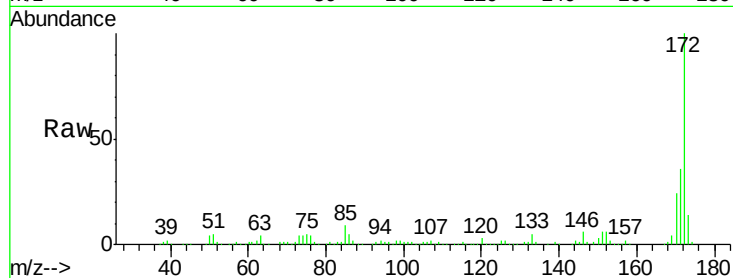




#44
2-Fluorobiphenyl
Concen: 95.63 ng
RT: 9.65 min Scan# 574
Delta R.T. -0.05 min
Lab File: BF080257.D
Acq: 1 Jul 2015 3:12

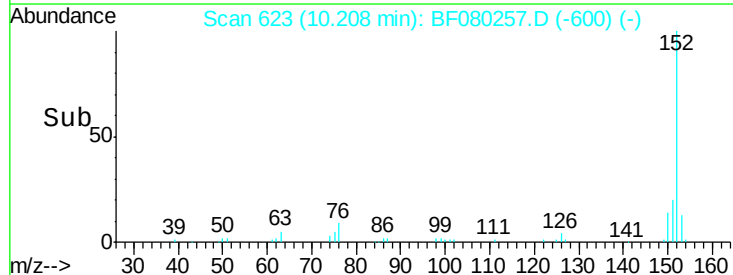
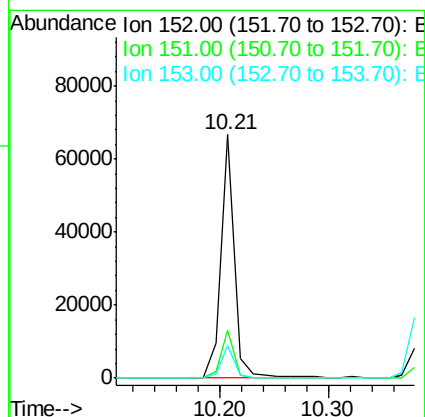
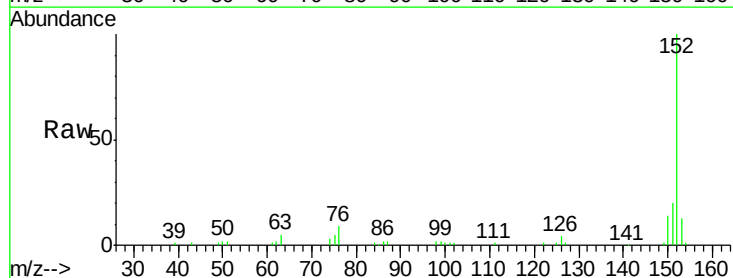
Instrument :
BNA_F
ClientSampleId :
TEC-B7

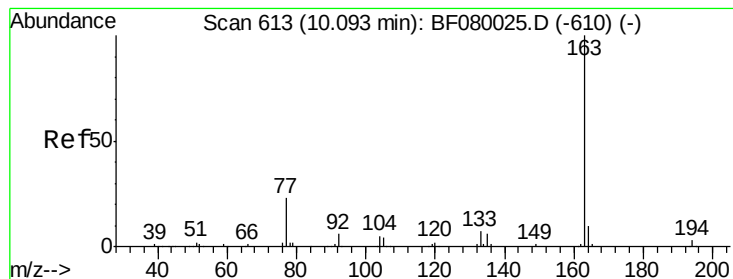
Tgt Ion:172 Resp: 465734
Ion Ratio Lower Upper
172 100
171 35.6 26.1 39.1
170 23.8 17.4 26.2



#48
Acenaphthylene
Concen: 7.64 ng
RT: 10.21 min Scan# 623
Delta R.T. -0.03 min
Lab File: BF080257.D
Acq: 1 Jul 2015 3:12

Tgt Ion:152 Resp: 58452
Ion Ratio Lower Upper
152 100
151 19.7 14.6 22.0
153 13.2 10.3 15.5





#49

Dimethylphthalate

Concen: 9.53 ng

RT: 10.04 min Scan# 608

Delta R.T. -0.05 min

Lab File: BF080257.D

Acq: 1 Jul 2015 3:12

Instrument :

BNA_F

ClientSampleId :

TEC-B7

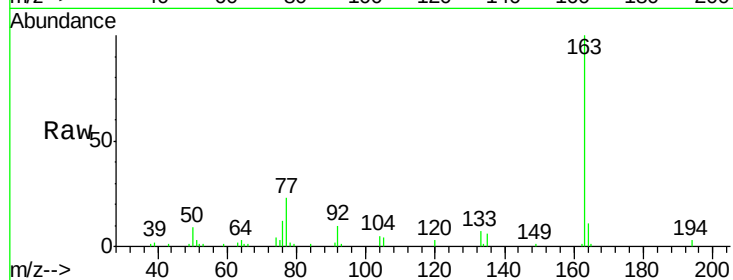
Tgt Ion:163 Resp: 49764

Ion Ratio Lower Upper

163 100

194 3.1 4.4 6.6#

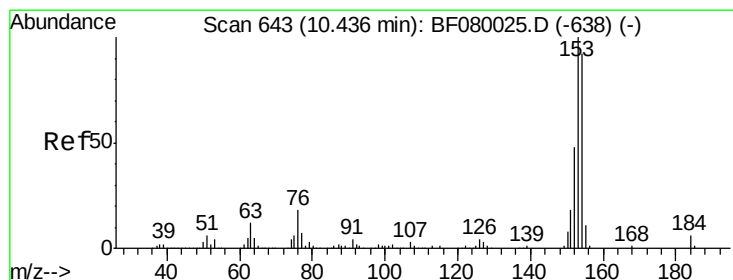
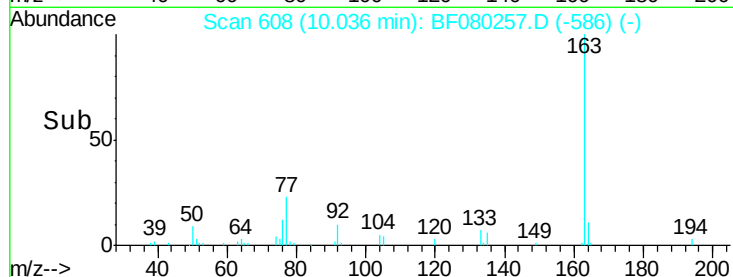
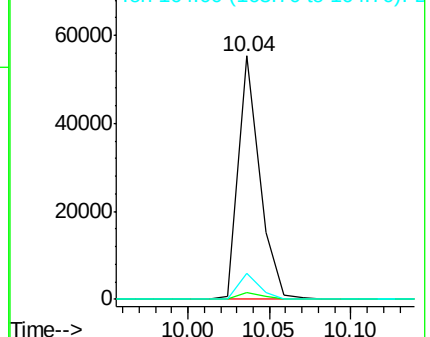
164 10.7 8.3 12.5



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



#51

Acenaphthene

Concen: 2.34 ng

RT: 10.38 min Scan# 638

Delta R.T. -0.05 min

Lab File: BF080257.D

Acq: 1 Jul 2015 3:12

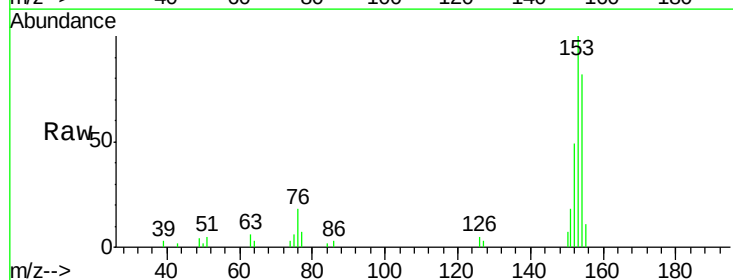
Tgt Ion:154 Resp: 10965

Ion Ratio Lower Upper

154 100

153 122.2 82.1 123.1

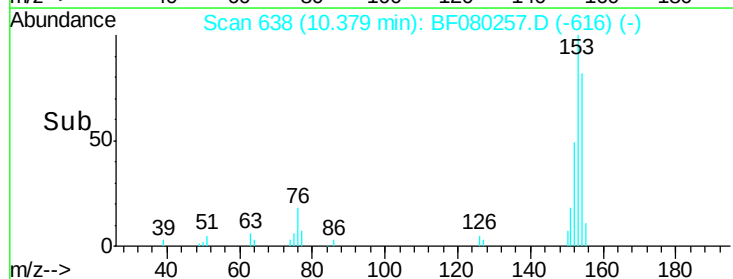
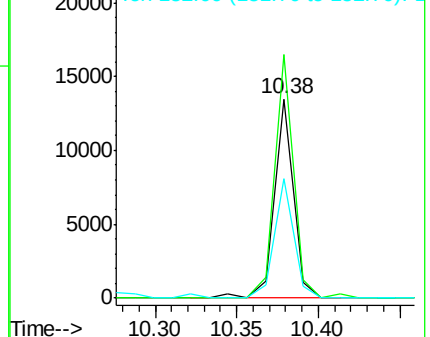
152 60.0 37.9 56.9#

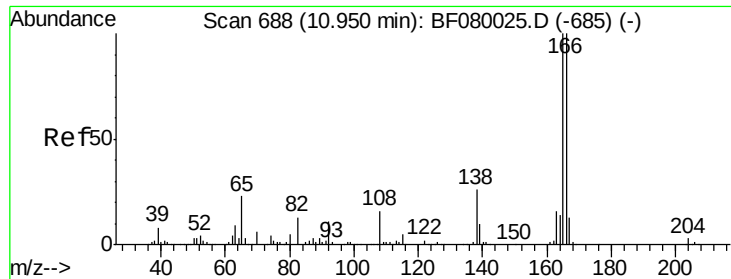


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E

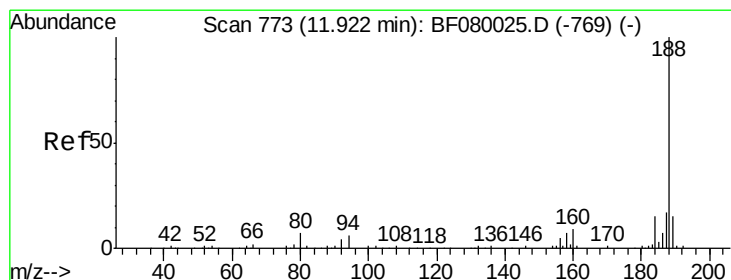
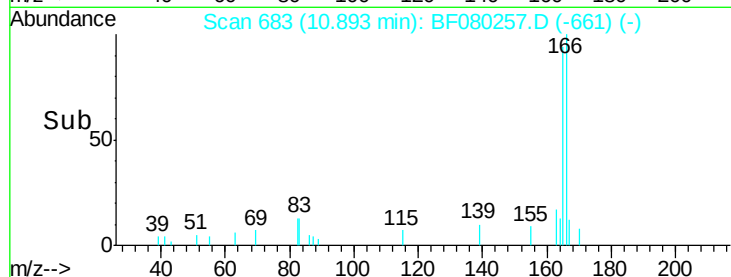
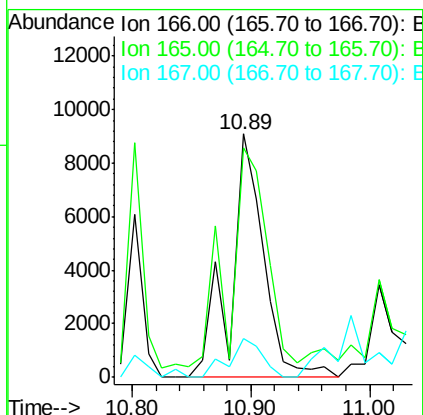
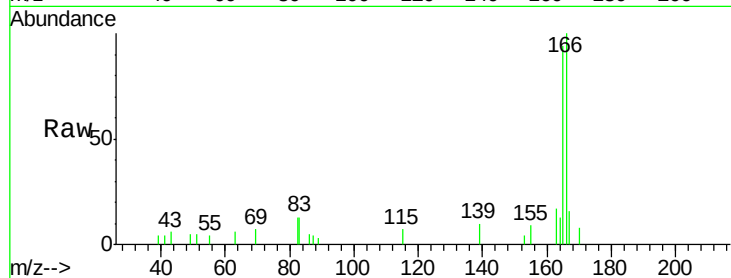




#57
Fluorene
 Concen: 3.36 ng
 RT: 10.89 min Scan# 683
 Delta R.T. -0.05 min
 Lab File: BF080257.D
 Acq: 1 Jul 2015 3:12

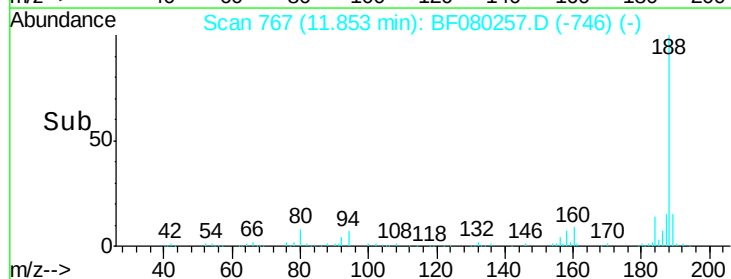
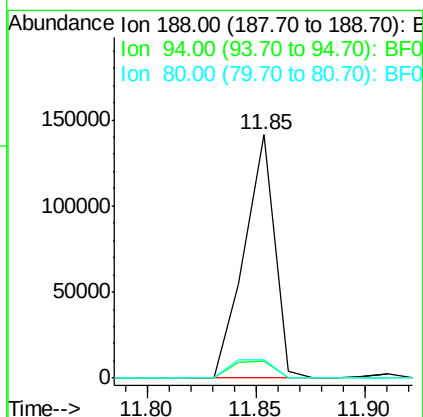
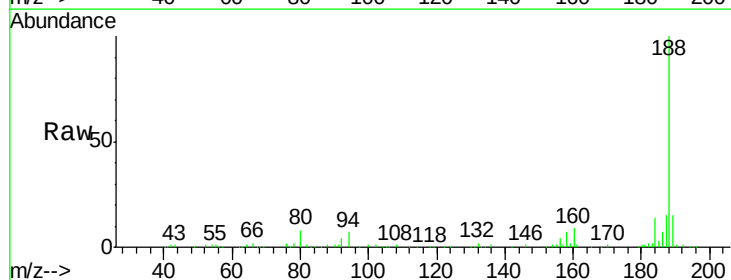
Instrument :
 BNA_F
 ClientSampleId :
 TEC-B7

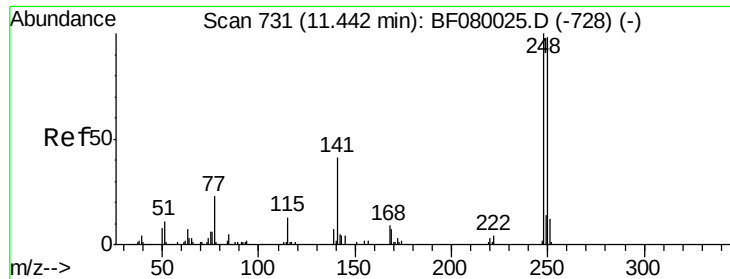
Tgt Ion:166 Resp: 17718
 Ion Ratio Lower Upper
 166 100
 165 94.1 72.6 109.0
 167 15.7 10.6 16.0



#63
Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.85 min Scan# 767
 Delta R.T. -0.06 min
 Lab File: BF080257.D
 Acq: 1 Jul 2015 3:12

Tgt Ion:188 Resp: 138046
 Ion Ratio Lower Upper
 188 100
 94 7.2 11.1 16.7#
 80 7.6 11.0 16.4#

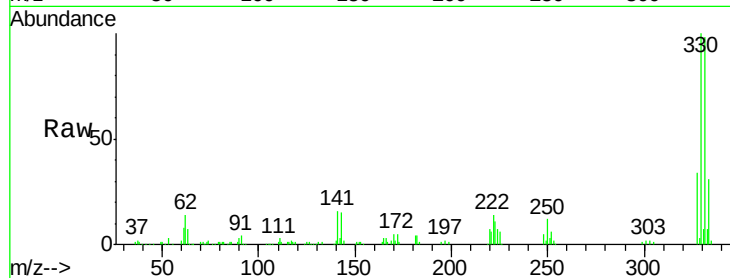




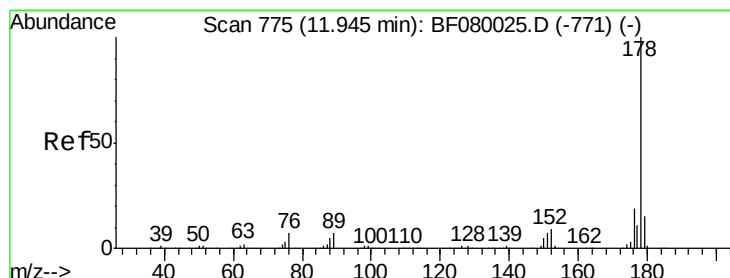
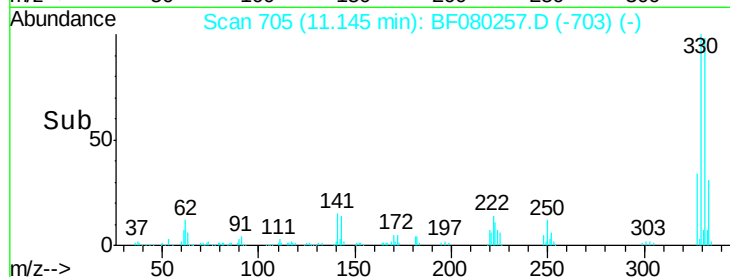
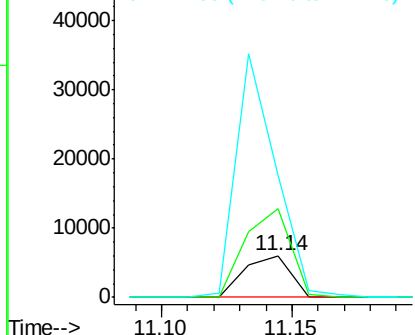
#66
 4-Bromophenyl-phenylether
 Concen: 5.00 ng
 RT: 11.14 min Scan# 705
 Delta R.T. -0.27 min
 Lab File: BF080257.D
 Acq: 1 Jul 2015 3:12

Instrument :
 BNA_F
 ClientSampleId :
 TEC-B7

Tgt Ion: 248 Resp: 7334
 Ion Ratio Lower Upper
 248 100
 250 214.9 78.5 117.7#
 141 294.2 59.0 88.6#

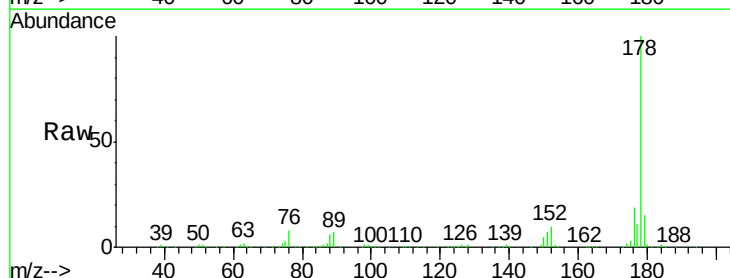


Abundance Ion 248.00 (247.70 to 248.70): E
 Ion 250.00 (249.70 to 250.70): E
 Ion 141.00 (140.70 to 141.70): E

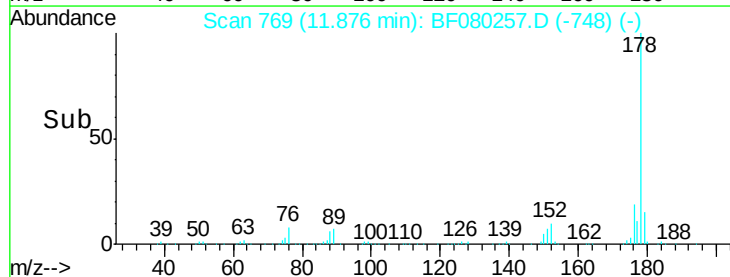
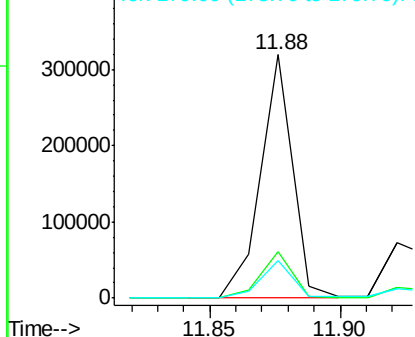


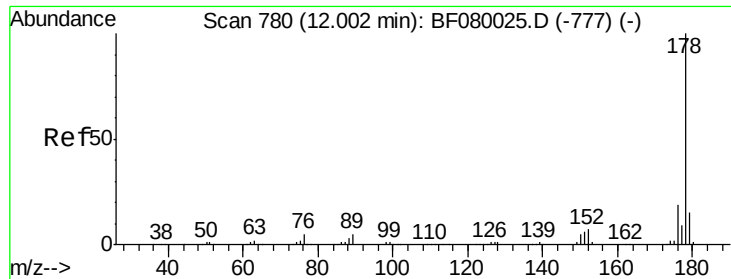
#70
 Phenanthrene
 Concen: 32.36 ng
 RT: 11.88 min Scan# 769
 Delta R.T. -0.06 min
 Lab File: BF080257.D
 Acq: 1 Jul 2015 3:12

Tgt Ion: 178 Resp: 270472
 Ion Ratio Lower Upper
 178 100
 176 19.2 13.8 20.8
 179 15.4 12.2 18.2



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

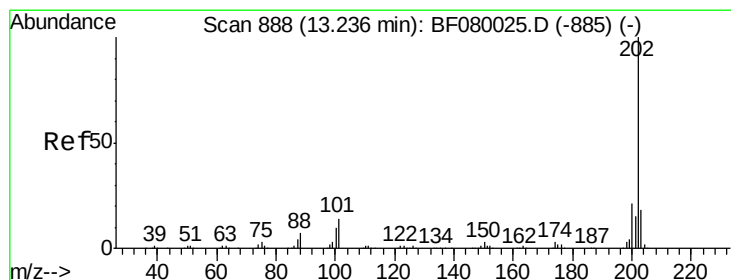
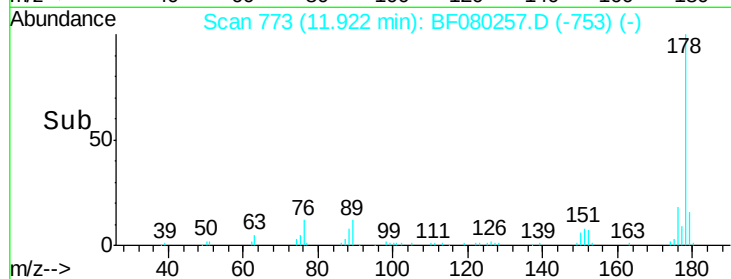
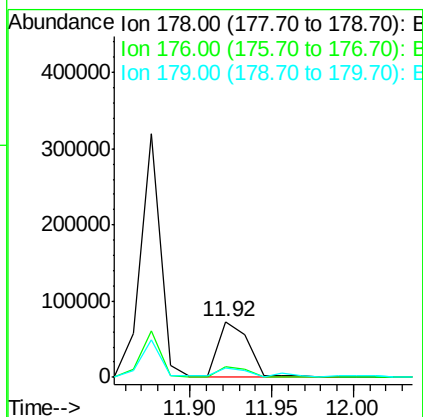
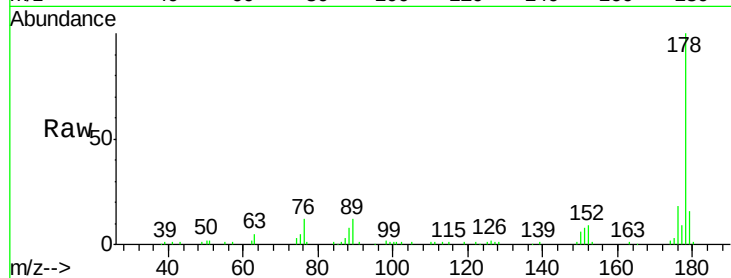




#71
 Anthracene
 Concen: 11.52 ng
 RT: 11.92 min Scan# 773
 Delta R.T. -0.07 min
 Lab File: BF080257.D
 Acq: 1 Jul 2015 3:12

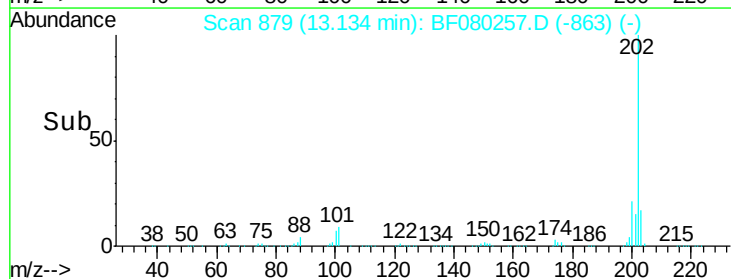
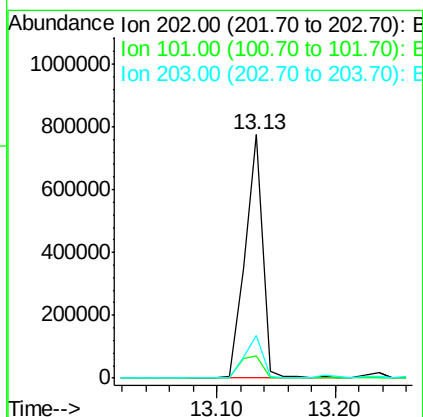
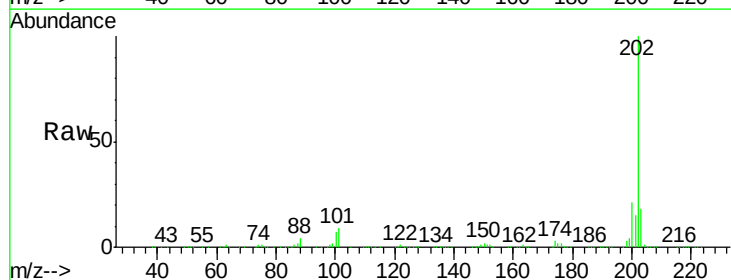
Instrument :
 BNA_F
 ClientSampleId :
 TEC-B7

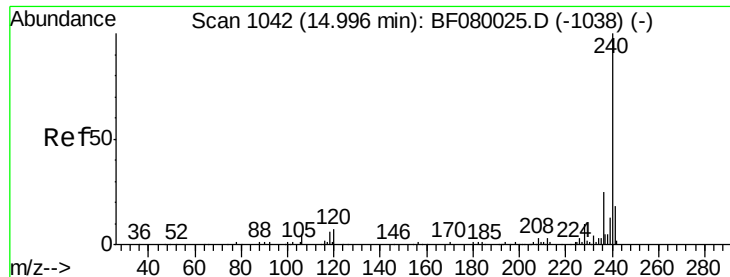
Tgt Ion:178 Resp: 92678
 Ion Ratio Lower Upper
 178 100
 176 18.2 14.1 21.1
 179 15.7 12.2 18.2



#74
 Fluoranthene
 Concen: 90.01 ng
 RT: 13.13 min Scan# 879
 Delta R.T. -0.11 min
 Lab File: BF080257.D
 Acq: 1 Jul 2015 3:12

Tgt Ion:202 Resp: 801211
 Ion Ratio Lower Upper
 202 100
 101 9.3 0.0 38.3
 203 17.8 0.0 37.3





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.79 min Scan# 1024

Delta R.T. -0.21 min

Lab File: BF080257.D

Acq: 1 Jul 2015 3:12

Instrument :

BNA_F

ClientSampleId :

TEC-B7

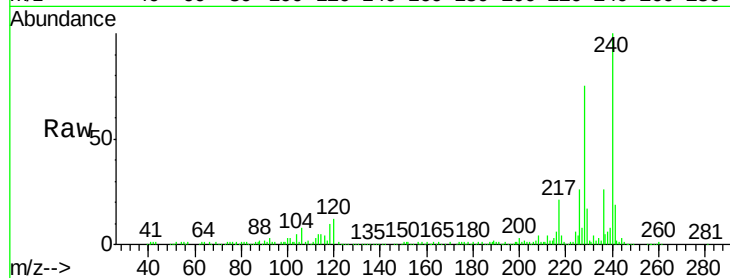
Tgt Ion:240 Resp: 154289

Ion Ratio Lower Upper

240 100

120 11.6 16.2 24.2#

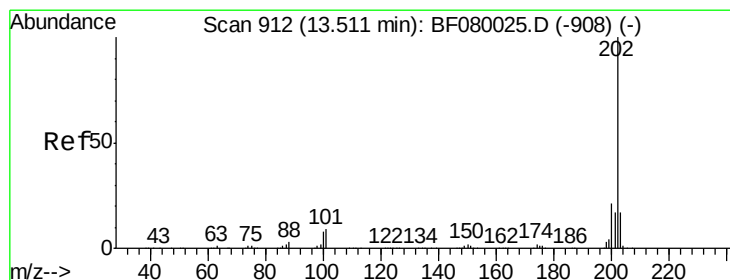
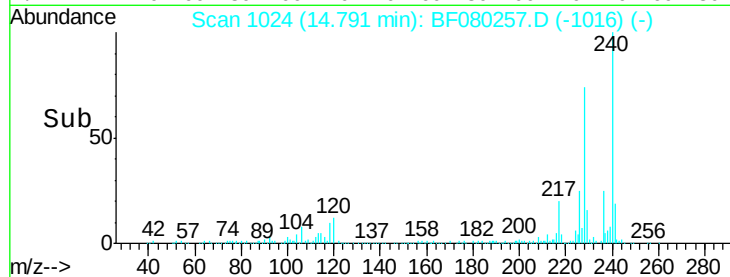
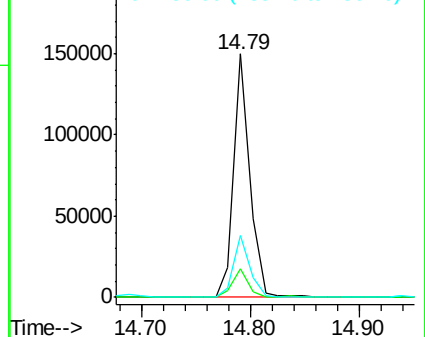
236 25.6 18.4 27.6



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: 72.46 ng

RT: 13.38 min Scan# 901

Delta R.T. -0.13 min

Lab File: BF080257.D

Acq: 1 Jul 2015 3:12

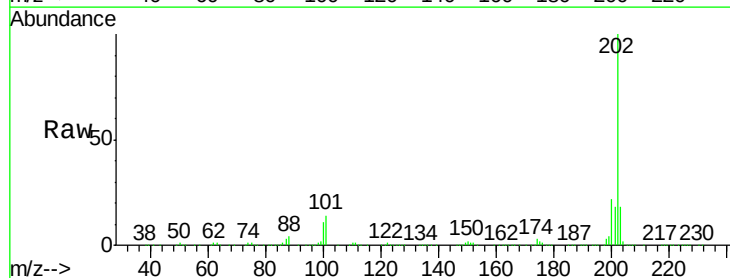
Tgt Ion:202 Resp: 688331

Ion Ratio Lower Upper

202 100

200 22.1 15.0 22.4

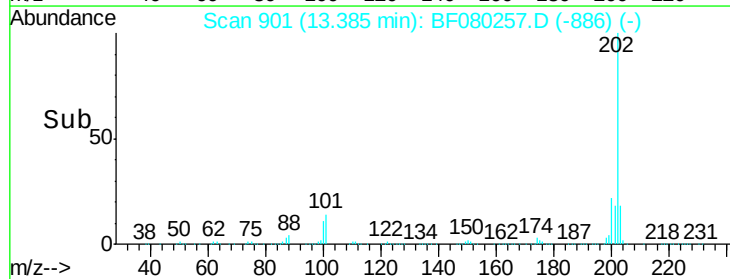
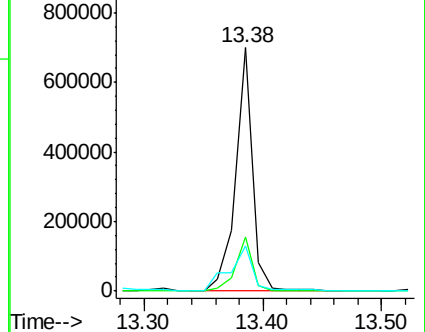
203 18.4 14.1 21.1

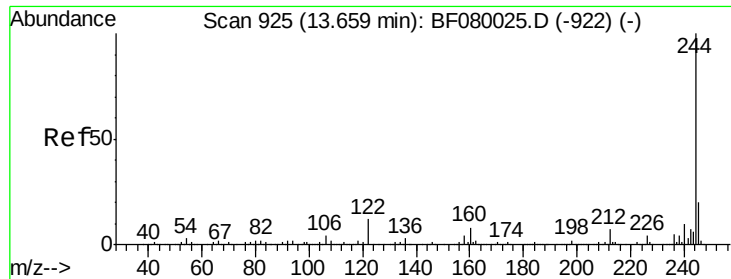


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

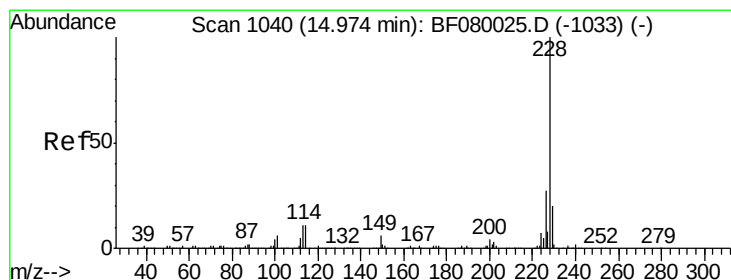
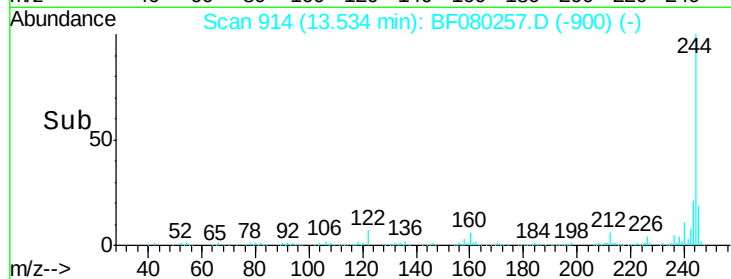
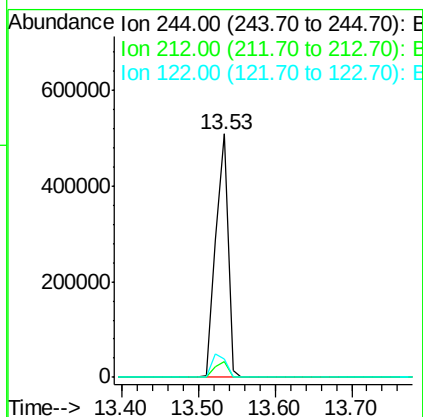
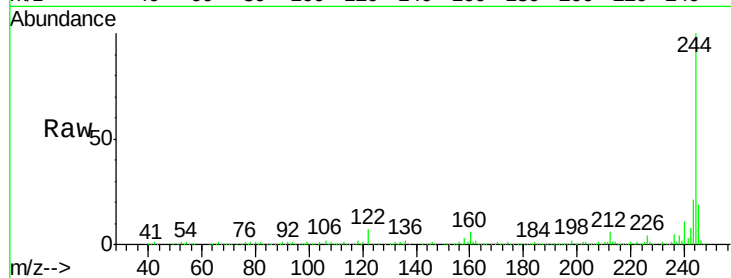




#78
 Terphenyl-d14
 Concen: 85.31 ng
 RT: 13.53 min Scan# 914
 Delta R.T. -0.14 min
 Lab File: BF080257.D
 Acq: 1 Jul 2015 3:12

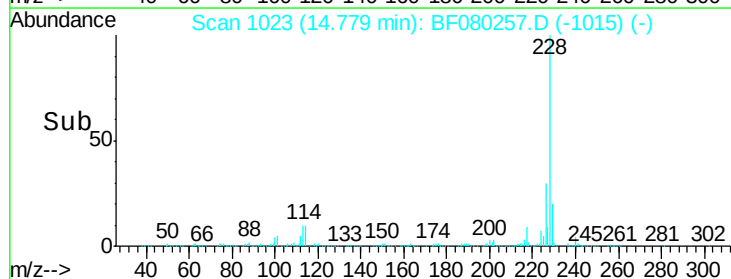
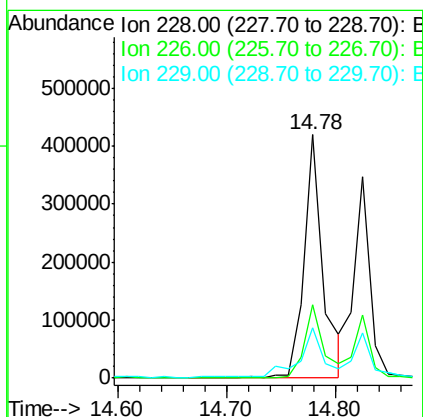
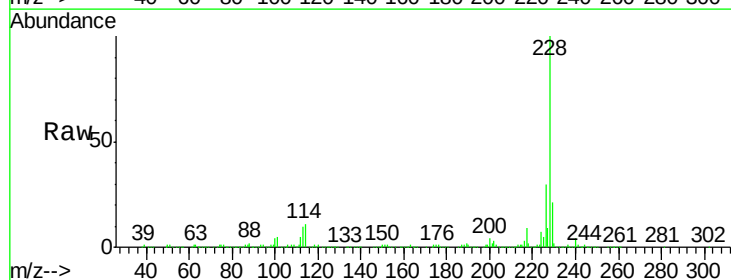
Instrument :
 BNA_F
 ClientSampleId :
 TEC-B7

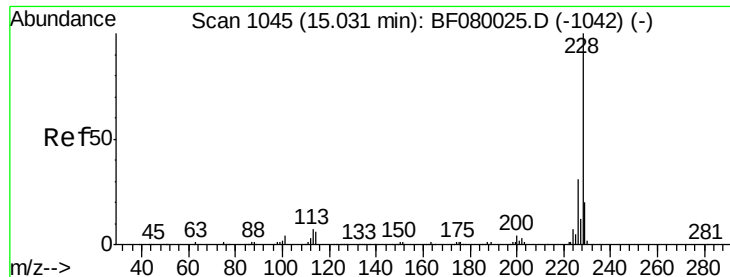
Tgt Ion:244 Resp: 563560
 Ion Ratio Lower Upper
 244 100
 212 6.4 4.3 6.5
 122 7.4 17.4 26.2#



#80
 Benzo(a)anthracene
 Concen: 54.41 ng
 RT: 14.78 min Scan# 1023
 Delta R.T. -0.21 min
 Lab File: BF080257.D
 Acq: 1 Jul 2015 3:12

Tgt Ion:228 Resp: 511465
 Ion Ratio Lower Upper
 228 100
 226 30.0 20.0 30.0
 229 20.6 15.4 23.2





#82

Chrysene

Concen: 41.56 ng

RT: 14.83 min Scan# 1027

Delta R.T. -0.21 min

Lab File: BF080257.D

Acq: 1 Jul 2015 3:12

Instrument :

BNA_F

ClientSampleId :

TEC-B7

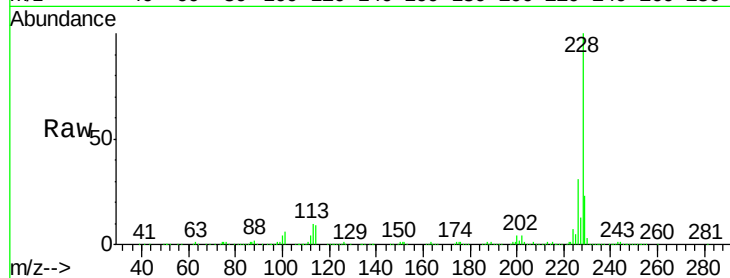
Tgt Ion:228 Resp: 360246

Ion Ratio Lower Upper

228 100

226 31.0 21.0 31.4

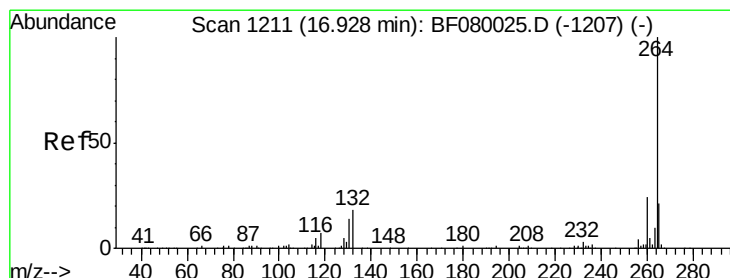
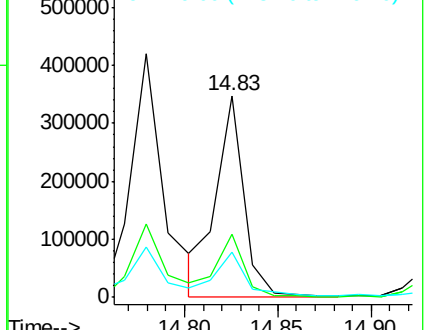
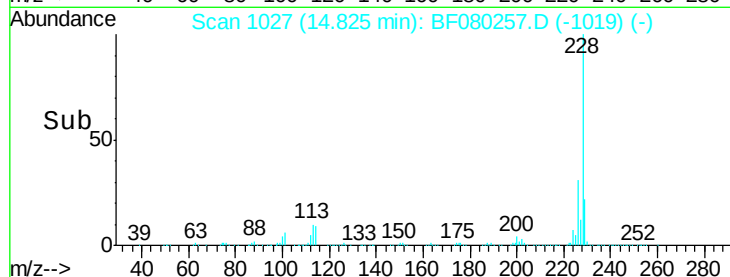
229 22.5 15.6 23.4



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 16.64 min Scan# 1186

Delta R.T. -0.29 min

Lab File: BF080257.D

Acq: 1 Jul 2015 3:12

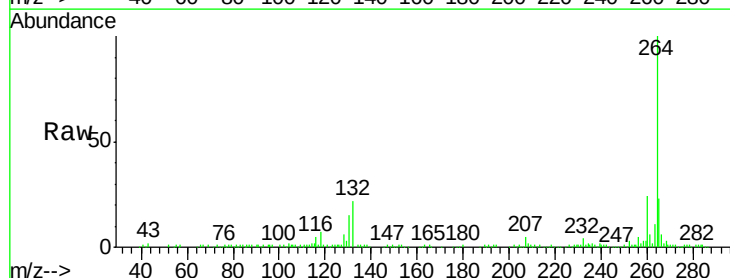
Tgt Ion:264 Resp: 158780

Ion Ratio Lower Upper

264 100

260 23.7 16.7 25.1

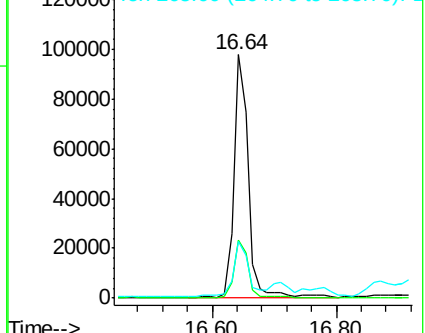
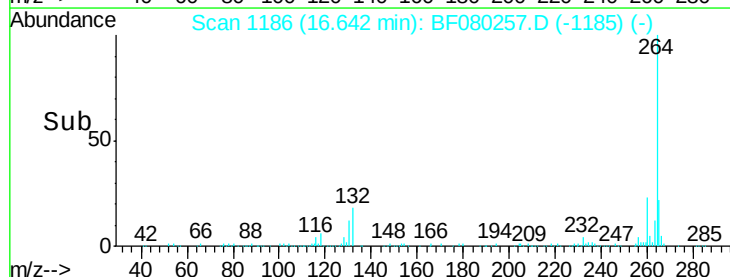
265 23.4 17.2 25.8

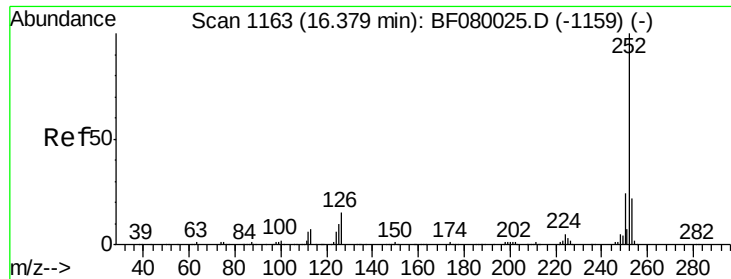


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

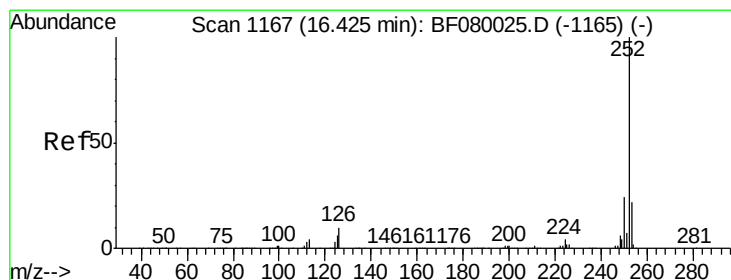
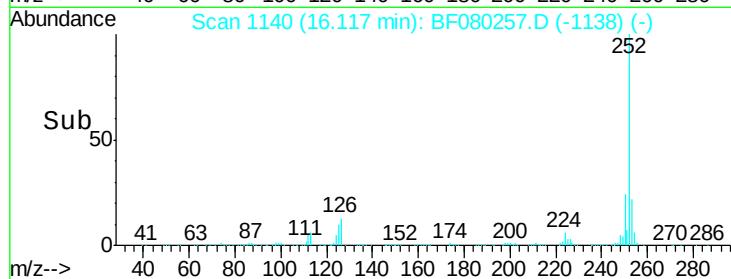
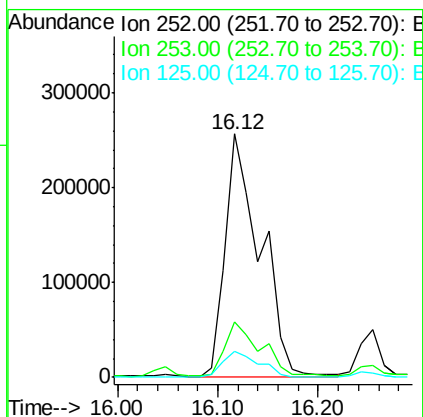
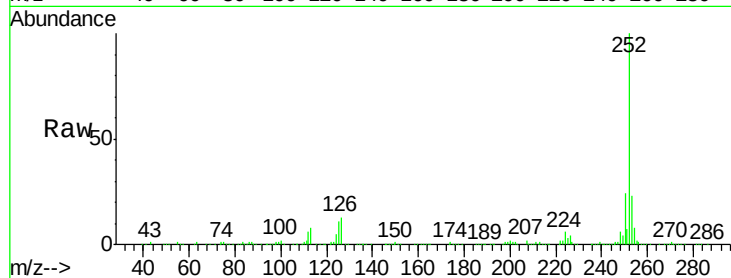




#87
Benzo(b)fluoranthene
Concen: 64.52 ng
RT: 16.12 min Scan# 1140
Delta R.T. -0.27 min
Lab File: BF080257.D
Acq: 1 Jul 2015 3:12

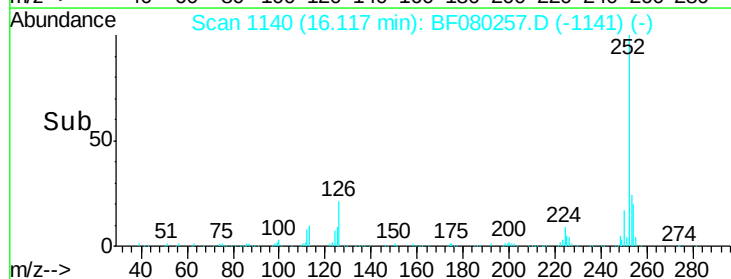
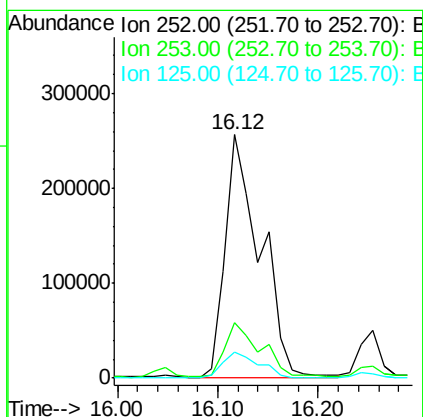
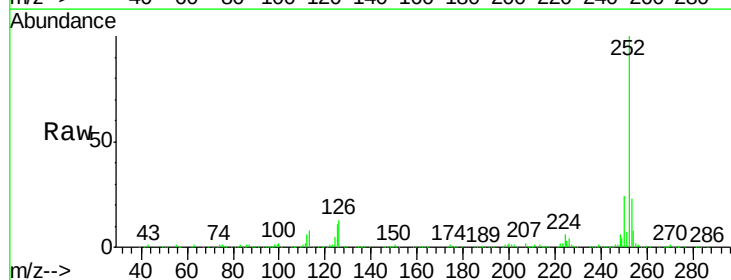
Instrument :
BNA_F
ClientSampleId :
TEC-B7

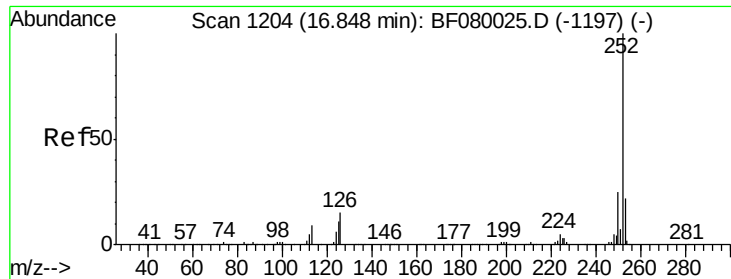
Tgt Ion:252 Resp: 620242
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 10.7 17.1 25.7#



#88
Benzo(k)fluoranthene
Concen: 63.36 ng
RT: 16.12 min Scan# 1140
Delta R.T. -0.31 min
Lab File: BF080257.D
Acq: 1 Jul 2015 3:12

Tgt Ion:252 Resp: 620242
Ion Ratio Lower Upper
252 100
253 23.0 17.0 25.4
125 10.7 16.0 24.0#





#89

Benzo(a)pyrene

Concen: 32.59 ng

RT: 16.57 min Scan# 1180

Delta R.T. -0.27 min

Lab File: BF080257.D

Acq: 1 Jul 2015 3:12

Instrument :

BNA_F

ClientSampleId :

TEC-B7

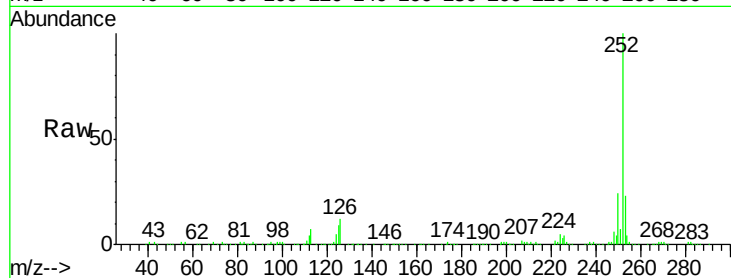
Tgt Ion:252 Resp: 297536

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

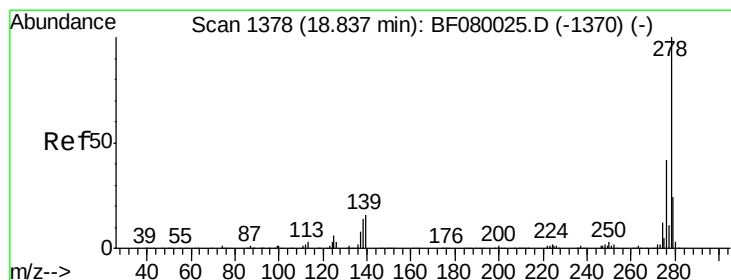
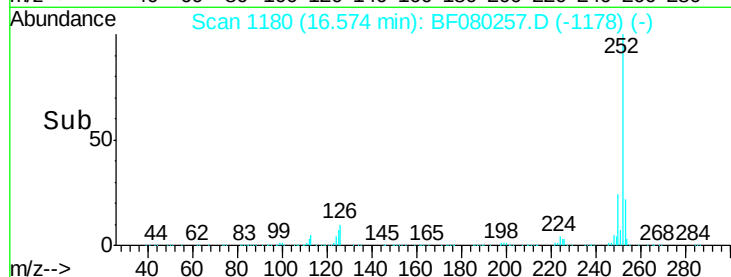
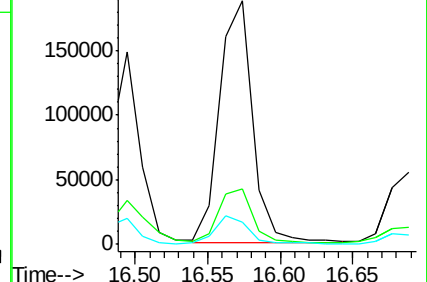
125 8.9 18.0 27.0#



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



#90

Dibenzo(a,h)anthracene

Concen: 4.29 ng

RT: 18.48 min Scan# 1347

Delta R.T. -0.33 min

Lab File: BF080257.D

Acq: 1 Jul 2015 3:12

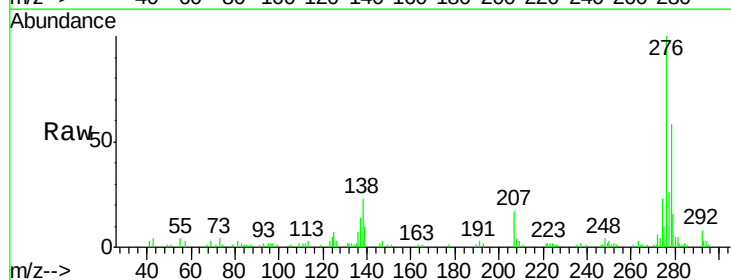
Tgt Ion:278 Resp: 40132

Ion Ratio Lower Upper

278 100

139 17.3 26.3 39.5#

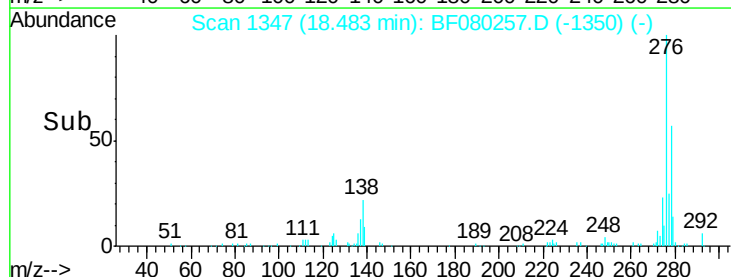
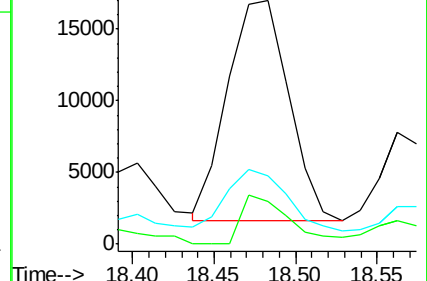
279 28.2 18.2 27.4#

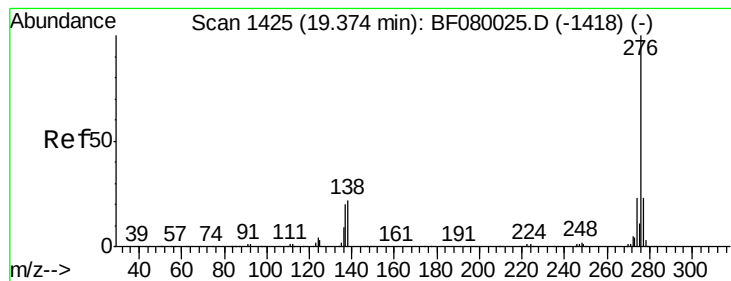


Abundance Ion 278.00 (277.70 to 278.70): E

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: 16.47 ng

RT: 19.01 min Scan# 1393

Delta R.T. -0.34 min

Lab File: BF080257.D

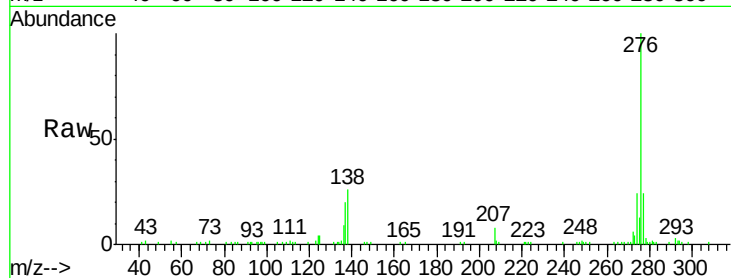
Acq: 1 Jul 2015 3:12

Instrument :

BNA_F

ClientSampleId :

TEC-B7



Tgt Ion:	276	Resp:	155415
Ion	Ratio	Lower	Upper
276	100		
277	24.5	17.8	26.6
138	25.5	34.6	51.8#

