

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF062915\
 Data File : BF080224.D
 Acq On : 30 Jun 2015 1:46
 Operator : TP/IZ
 Sample : G2817-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TEC-C1

Quant Time: Jun 30 04:38:54 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

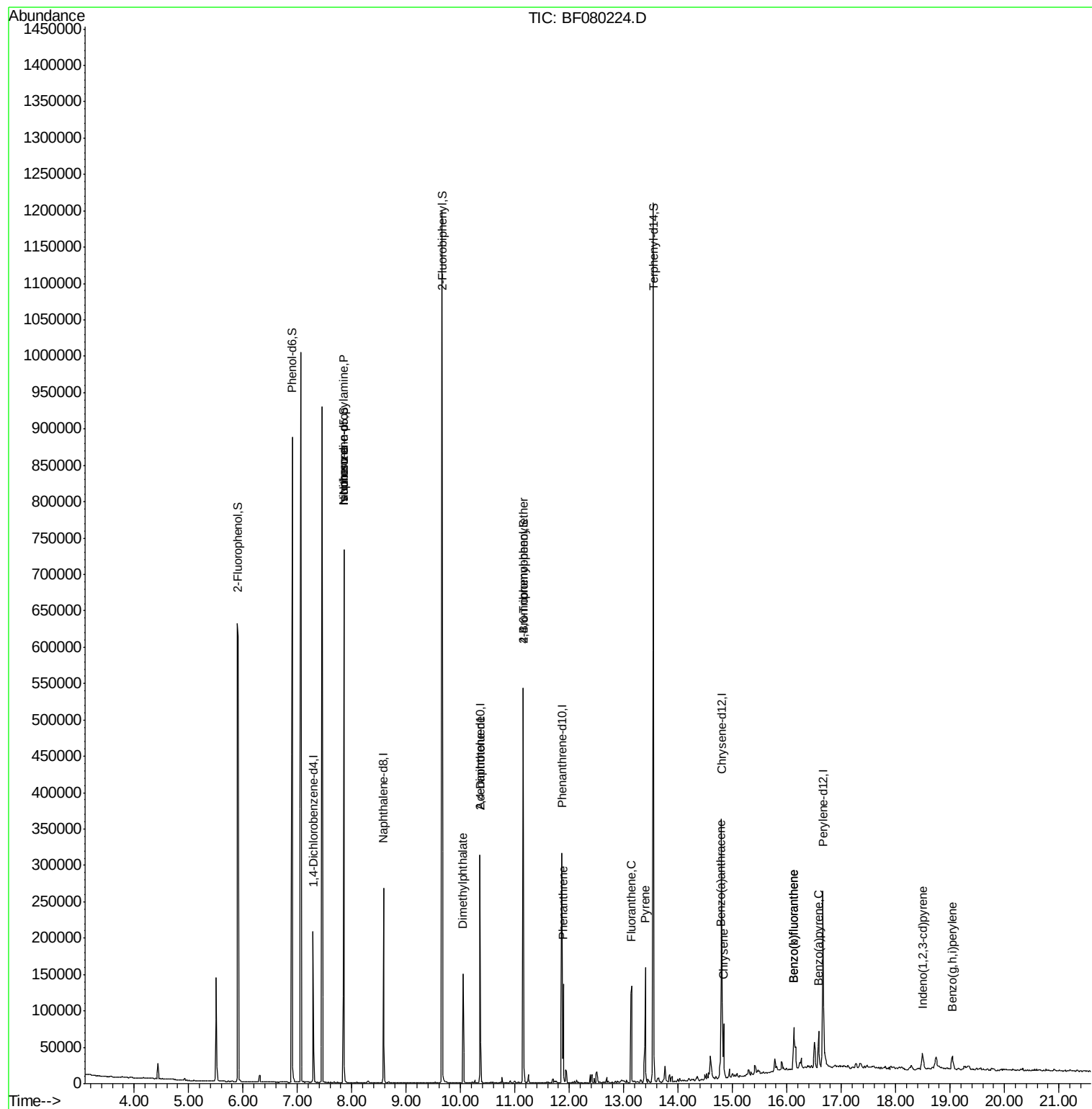
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.29	152	29355	20.00	ng	-0.03
21) Naphthalene-d8	8.58	136	113167	20.00	ng	-0.03
38) Acenaphthene-d10	10.36	164	59630	20.00	ng	-0.03
63) Phenanthrene-d10	11.86	188	120275	20.00	ng	-0.05
75) Chrysene-d12	14.80	240	132263	20.00	ng	-0.19
86) Perylene-d12	16.67	264	131355	20.00	ng	-0.26
System Monitoring Compounds						
5) 2-Fluorophenol	5.91	112	254213	153.30	ng	-0.02
7) Phenol-d6	6.90	99	353441	160.16	ng	-0.02
23) Nitrobenzene-d5	7.85	82	210541	108.31	ng	-0.02
41) 2,4,6-Tribromophenol	11.16	330	85672	146.93	ng	-0.02
44) 2-Fluorobiphenyl	9.66	172	372328	89.04	ng	-0.03
78) Terphenyl-d14	13.55	244	455216	80.38	ng	-0.13
Target Compounds						
19) n-Nitroso-di-n-propylamine	7.85	70	27166	17.73	ng	# 58
25) Isophorone	7.85	82	210533	53.82	ng	# 58
49) Dimethylphthalate	10.05	163	64464	14.38	ng	# 97
56) 2,4-Dinitrotoluene	10.36	165	7394	6.48	ng	# 31
66) 4-Bromophenyl-phenylether	11.16	248	6224	4.87	ng	# 1
70) Phenanthrene	11.89	178	49571	6.81	ng	98
74) Fluoranthene	13.15	202	83018	10.70	ng	86
77) Pyrene	13.40	202	71246	8.75	ng	97
80) Benzo(a)anthracene	14.79	228	40493	5.03	ng	94
82) Chrysene	14.84	228	31998	4.31	ng	93
85) Indeno(1,2,3-cd)pyrene	18.49	276	21054	2.25	ng	# 85
87) Benzo(b)fluoranthene	16.13	252	57688	7.25	ng	# 88
88) Benzo(k)fluoranthene	16.13	252	57688	7.12	ng	# 89
89) Benzo(a)pyrene	16.59	252	32009	4.24	ng	# 86
91) Benzo(g,h,i)perylene	19.04	276	19364	2.48	ng	# 74

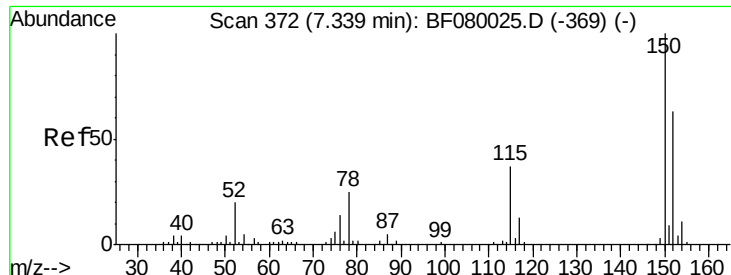
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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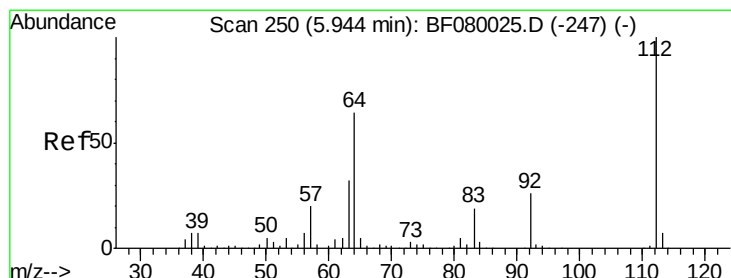
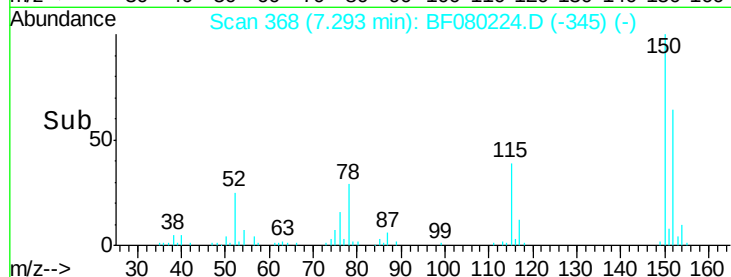
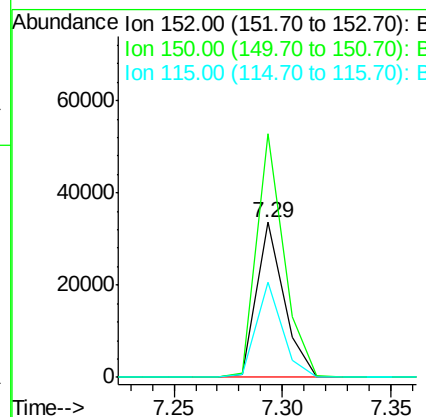
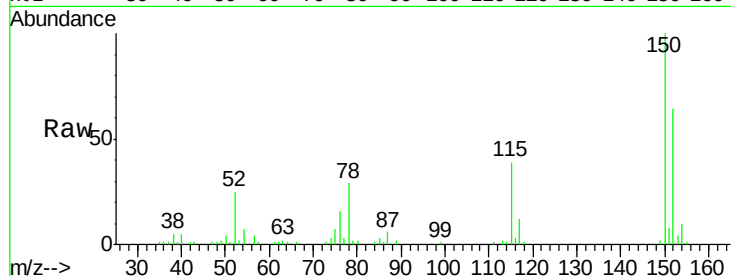




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.29 min Scan# 368
 Delta R.T. -0.03 min
 Lab File: BF080224.D
 Acq: 30 Jun 2015 1:46

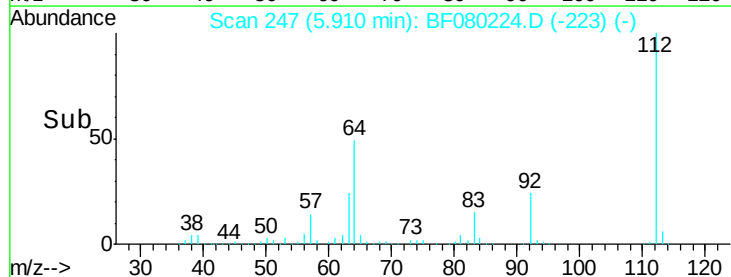
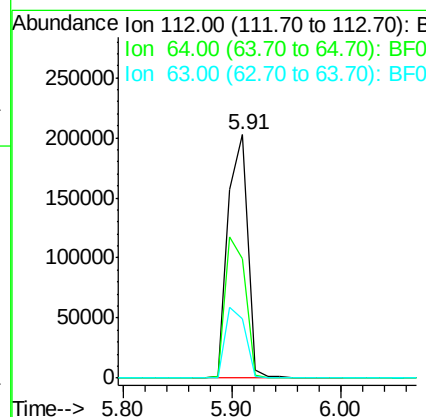
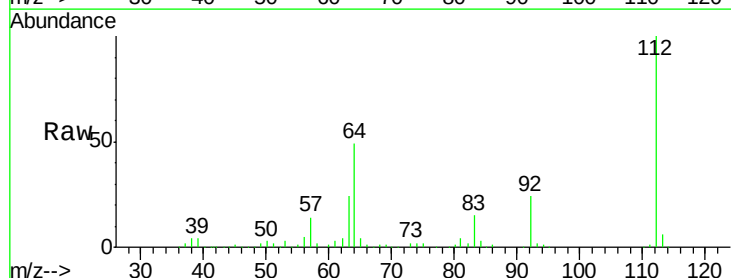
Instrument :
 BNA_F
 ClientSampleId :
 TEC-C1

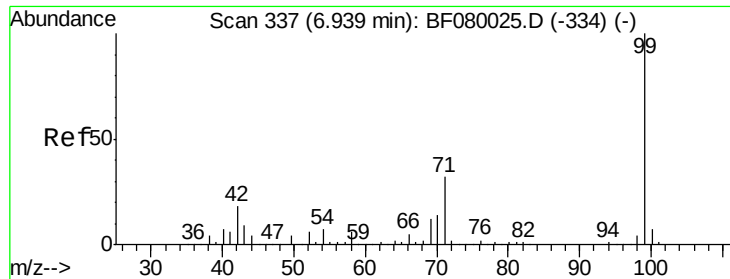
Tgt Ion:152 Resp: 29355
 Ion Ratio Lower Upper
 152 100
 150 157.4 124.7 187.1
 115 61.5 39.0 58.4#



#5
 2-Fluorophenol
 Concen: 153.30 ng
 RT: 5.91 min Scan# 247
 Delta R.T. -0.02 min
 Lab File: BF080224.D
 Acq: 30 Jun 2015 1:46

Tgt Ion:112 Resp: 254213
 Ion Ratio Lower Upper
 112 100
 64 49.0 39.7 59.5
 63 24.2 17.4 26.0





#7

Phenol-d6

Concen: 160.16 ng

RT: 6.90 min Scan# 334

Delta R.T. -0.02 min

Lab File: BF080224.D

Acq: 30 Jun 2015 1:46

Instrument :

BNA_F

ClientSampleId :

TEC-C1

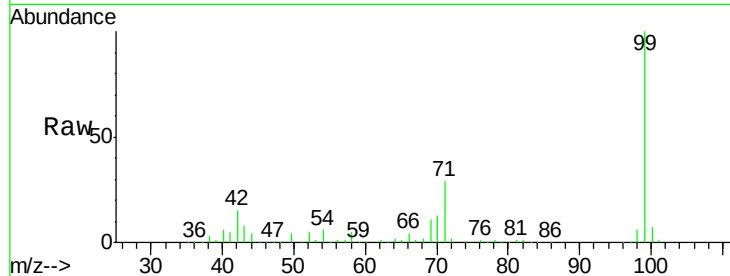
Tgt Ion: 99 Resp: 353441

Ion Ratio Lower Upper

99 100

42 14.6 13.7 20.5

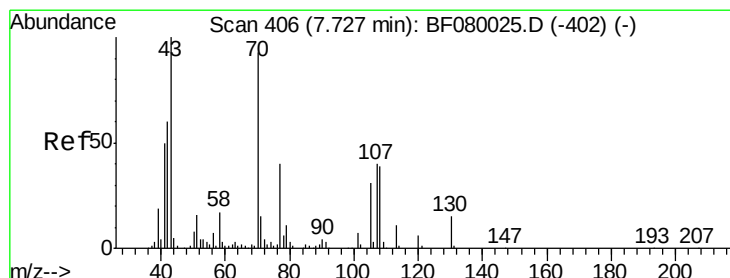
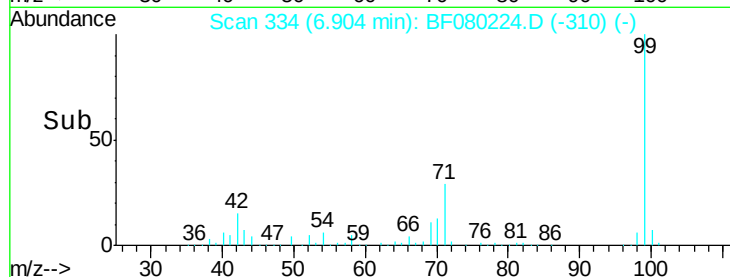
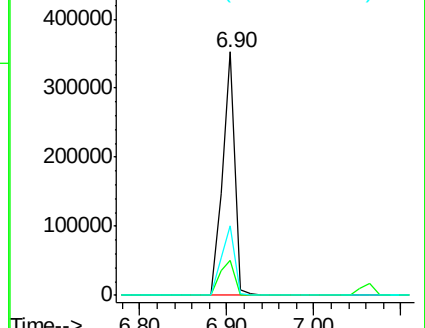
71 28.7 14.2 21.2#



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



#19

n-Nitroso-di-n-propylamine

Concen: 17.73 ng

RT: 7.85 min Scan# 417

Delta R.T. 0.14 min

Lab File: BF080224.D

Acq: 30 Jun 2015 1:46

Tgt Ion: 70 Resp: 27166

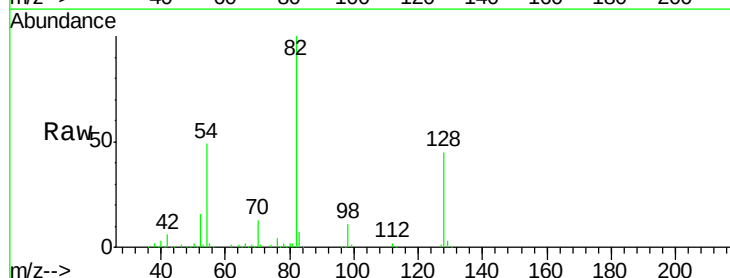
Ion Ratio Lower Upper

70 100

42 45.6 63.8 95.6#

101 0.0 9.2 13.8#

130 2.2 27.3 40.9#

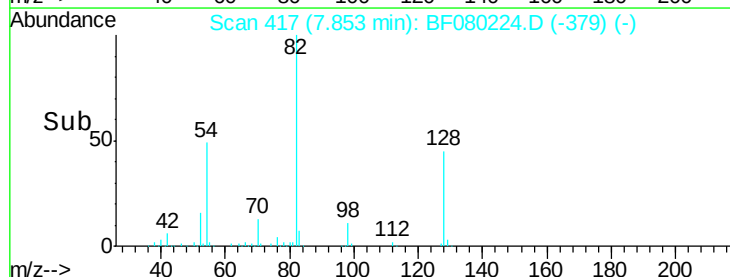
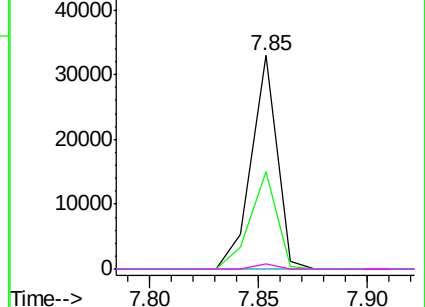


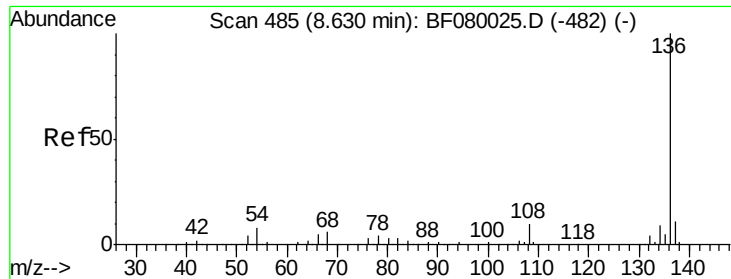
Abundance Ion 70.00 (69.70 to 70.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 101.00 (100.70 to 101.70): E

Ion 130.00 (129.70 to 130.70): E

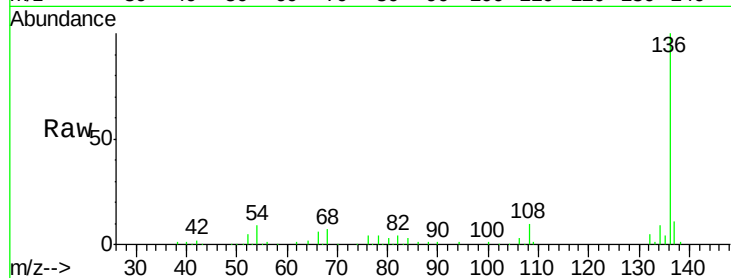




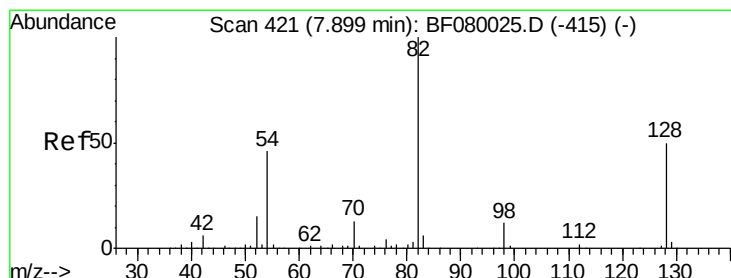
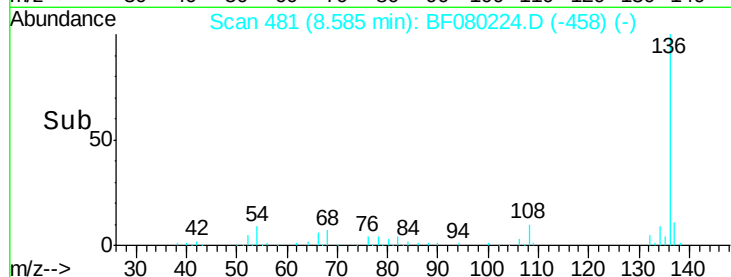
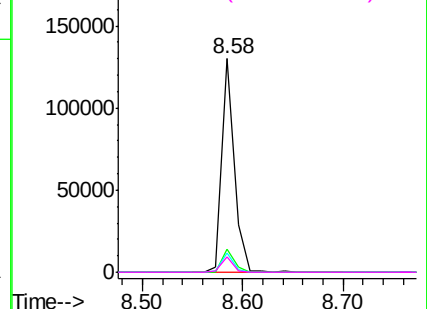
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.58 min Scan# 481
Delta R.T. -0.03 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

Instrument :
BNA_F
ClientSampleId :
TEC-C1

Tgt Ion:	136	Resp:	113167
Ion Ratio	Lower	Upper	
136	100		
137	11.0	9.0	13.6
54	9.2	8.2	12.2
68	7.3	5.8	8.6

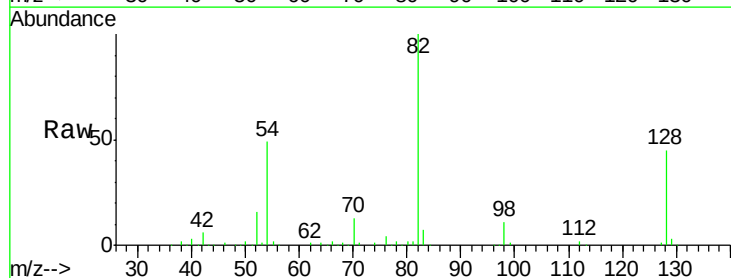


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

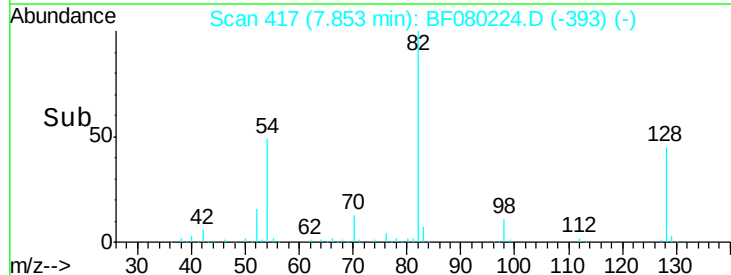
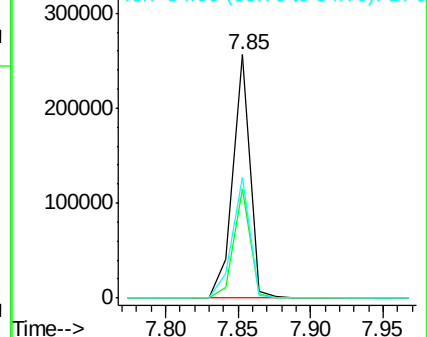


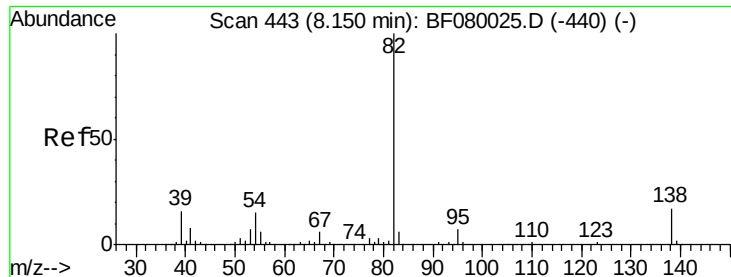
#23
Nitrobenzene-d5
Concen: 108.31 ng
RT: 7.85 min Scan# 417
Delta R.T. -0.02 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

Tgt Ion:	82	Resp:	210541
Ion Ratio	Lower	Upper	
82	100		
128	44.9	51.0	76.6#
54	49.4	47.5	71.3



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





#25

Isophorone

Concen: 53.82 ng

RT: 7.85 min Scan# 417

Delta R.T. -0.29 min

Lab File: BF080224.D

Acq: 30 Jun 2015 1:46

Instrument :

BNA_F

ClientSampleId :

TEC-C1

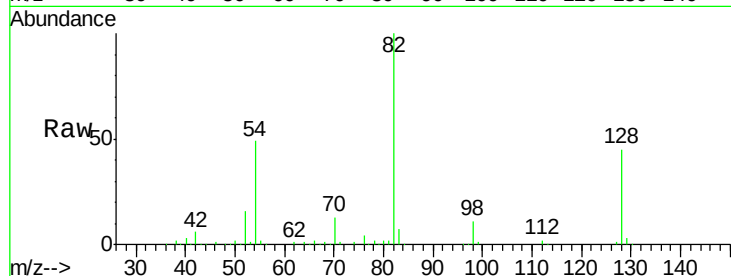
Tgt Ion: 82 Resp: 210533

Ion Ratio Lower Upper

82 100

95 0.0 4.0 6.0#

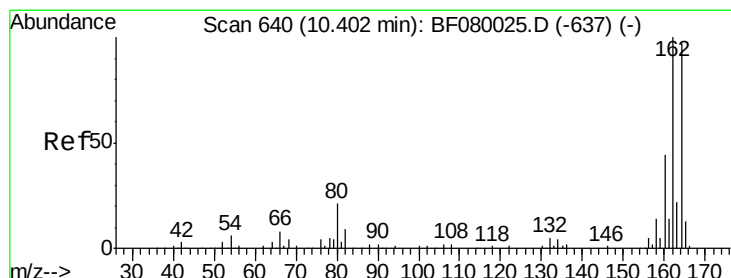
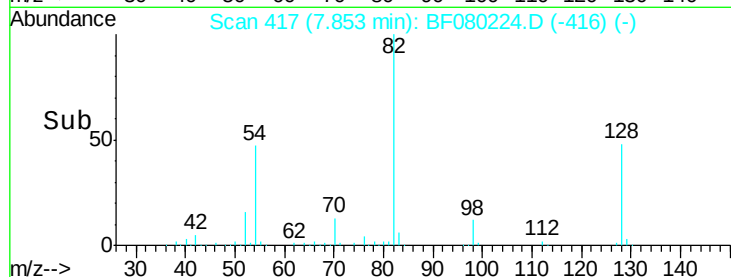
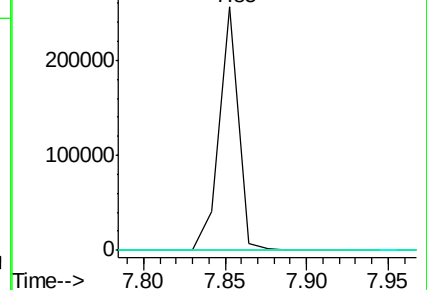
138 0.0 18.3 27.5#



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: 10.36 min Scan# 636

Delta R.T. -0.03 min

Lab File: BF080224.D

Acq: 30 Jun 2015 1:46

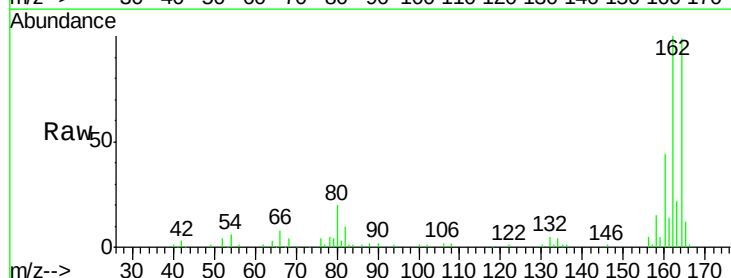
Tgt Ion: 164 Resp: 59630

Ion Ratio Lower Upper

164 100

162 101.3 75.2 112.8

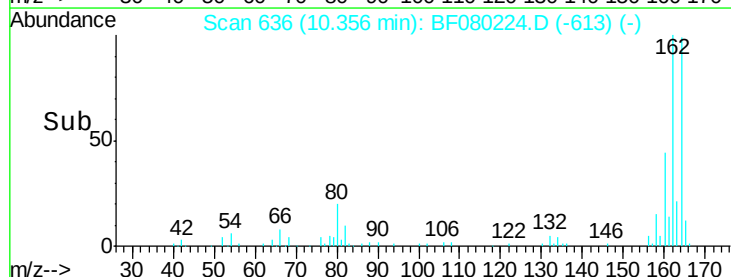
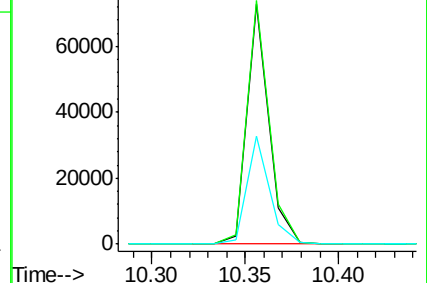
160 45.0 31.5 47.3

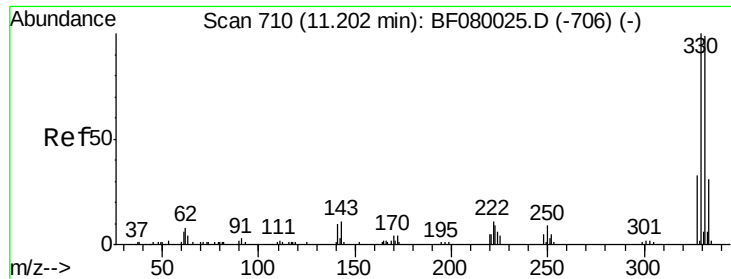


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

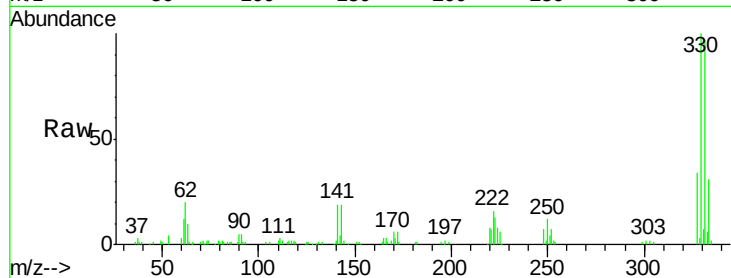




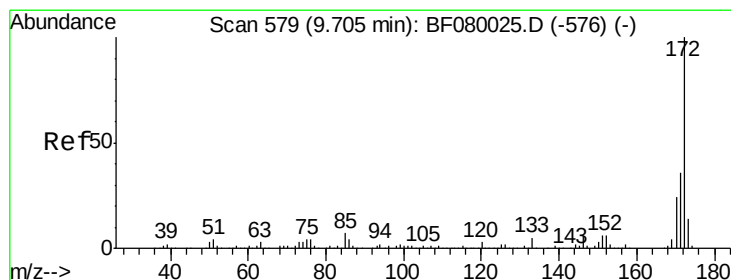
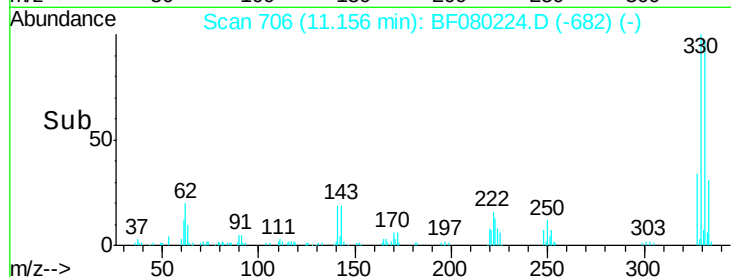
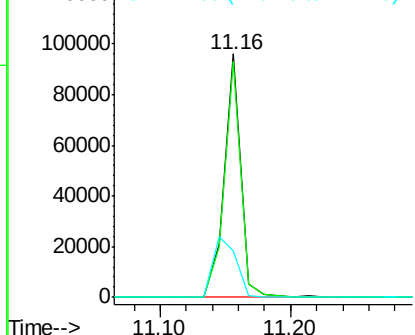
#41
 2,4,6-Tribromophenol
 Concen: 146.93 ng
 RT: 11.16 min Scan# 706
 Delta R.T. -0.02 min
 Lab File: BF080224.D
 Acq: 30 Jun 2015 1:46

Instrument :
 BNA_F
 ClientSampleId :
 TEC-C1

Tgt Ion:330 Resp: 85672
 Ion Ratio Lower Upper
 330 100
 332 96.5 76.6 114.8
 141 35.1 29.7 44.5

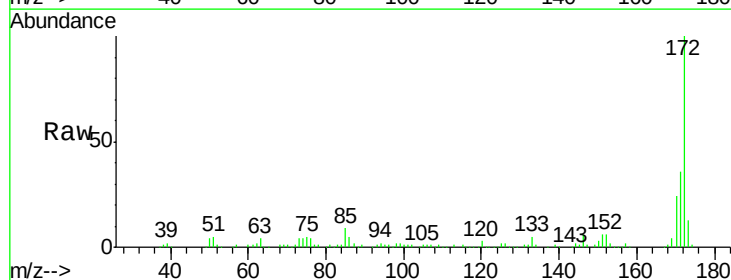


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

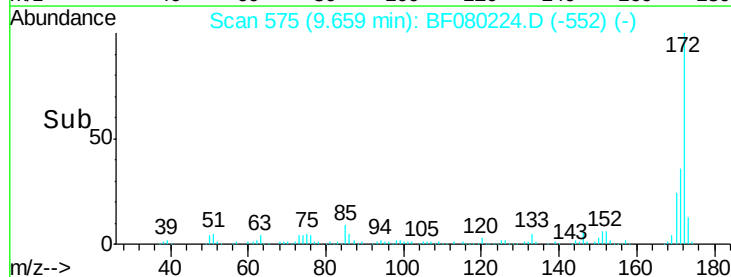
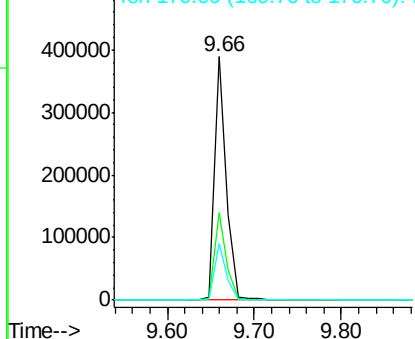


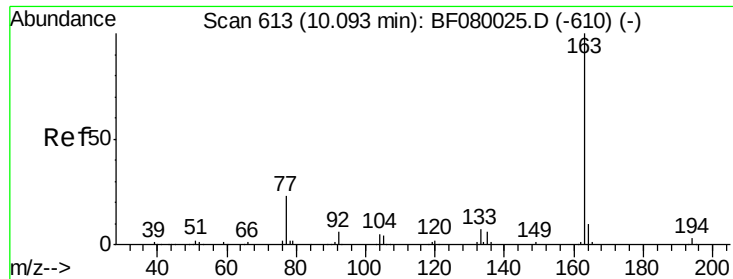
#44
 2-Fluorobiphenyl
 Concen: 89.04 ng
 RT: 9.66 min Scan# 575
 Delta R.T. -0.03 min
 Lab File: BF080224.D
 Acq: 30 Jun 2015 1:46

Tgt Ion:172 Resp: 372328
 Ion Ratio Lower Upper
 172 100
 171 35.9 26.1 39.1
 170 23.5 17.4 26.2



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

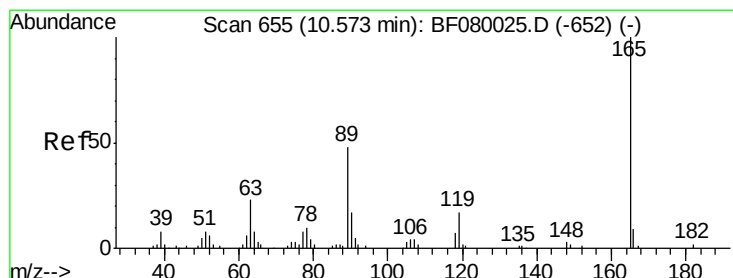
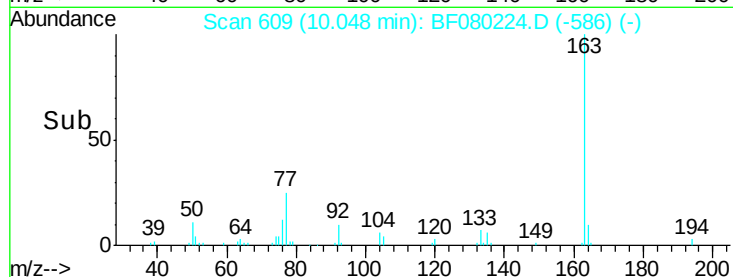
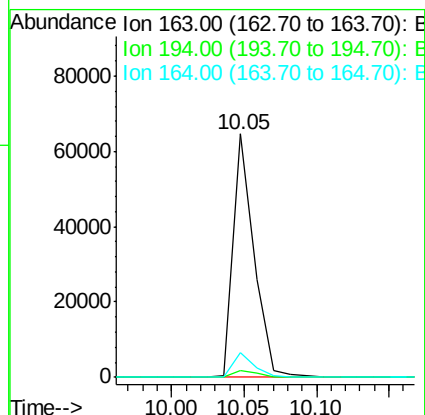
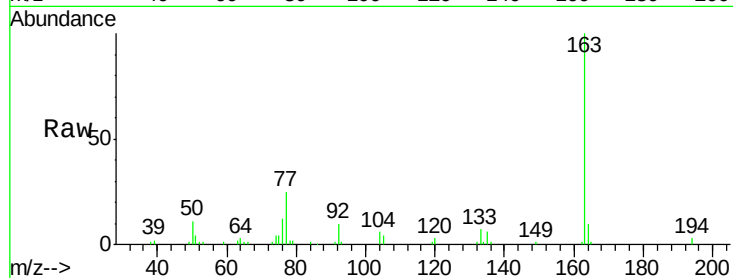




#49
Dimethylphthalate
Concen: 14.38 ng
RT: 10.05 min Scan# 609
Delta R.T. -0.03 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

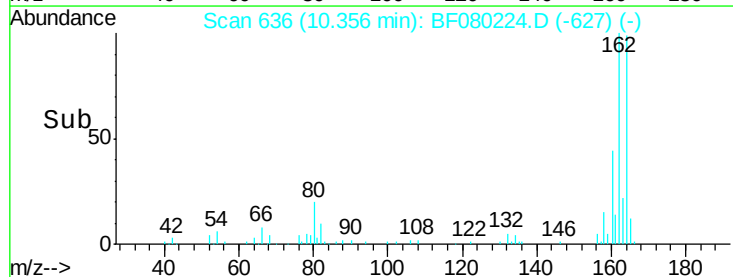
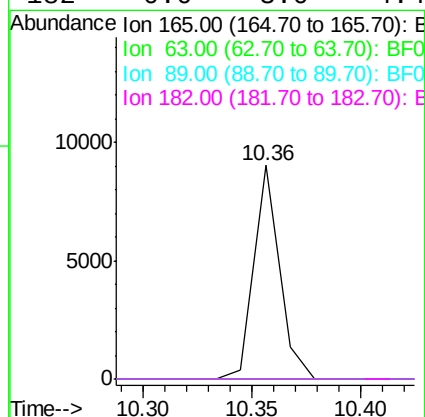
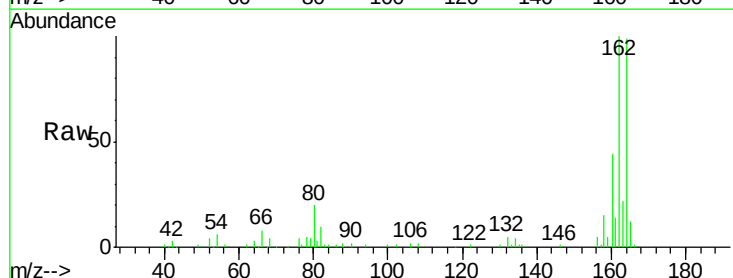
Instrument :
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ClientSampleId :
TEC-C1

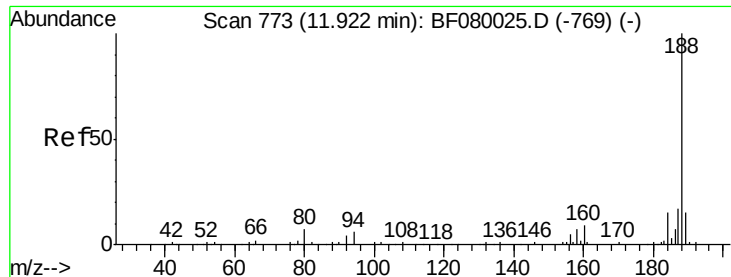
Tgt Ion:163 Resp: 64464
Ion Ratio Lower Upper
163 100
194 3.0 4.4 6.6#
164 10.0 8.3 12.5



#56
2,4-Dinitrotoluene
Concen: 6.48 ng
RT: 10.36 min Scan# 636
Delta R.T. -0.19 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

Tgt Ion:165 Resp: 7394
Ion Ratio Lower Upper
165 100
63 0.0 29.8 44.6#
89 0.0 44.5 66.7#
182 0.0 3.0 4.4#

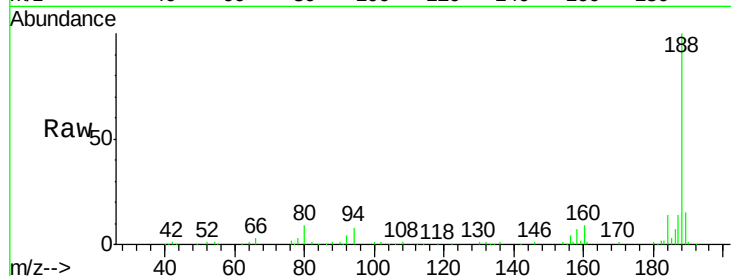




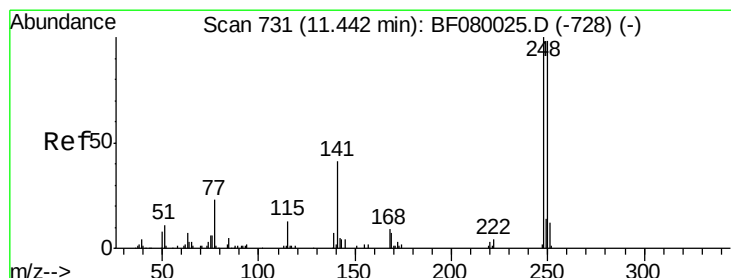
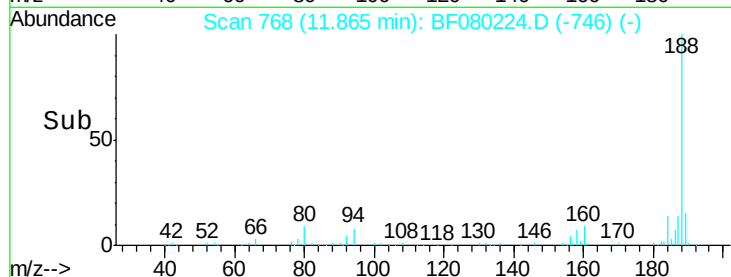
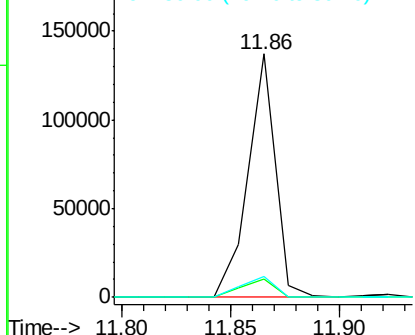
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 11.86 min Scan# 768
 Delta R.T. -0.05 min
 Lab File: BF080224.D
 Acq: 30 Jun 2015 1:46

Instrument :
 BNA_F
 ClientSampleId :
 TEC-C1

Tgt Ion:188 Resp: 120275
 Ion Ratio Lower Upper
 188 100
 94 7.8 11.1 16.7#
 80 8.5 11.0 16.4#

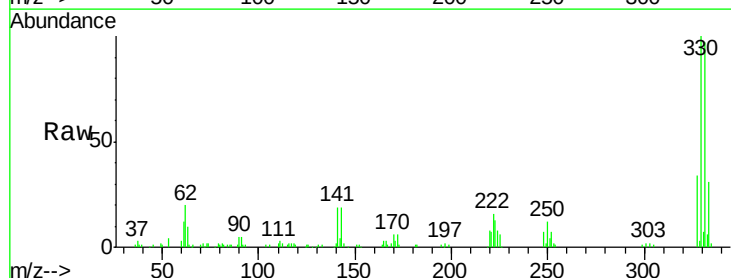


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

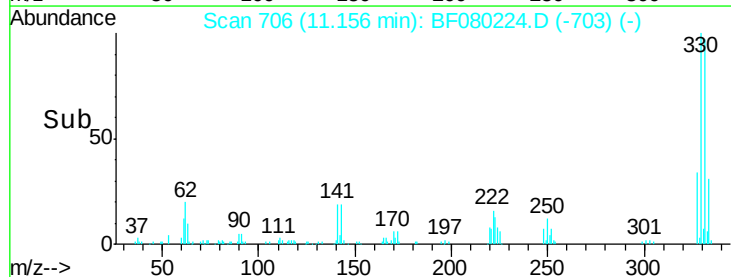
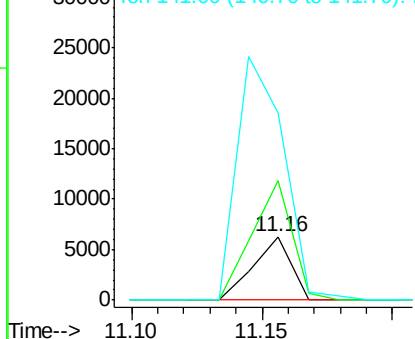


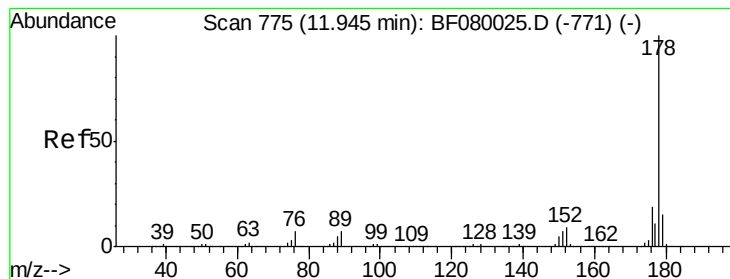
#66
 4-Bromophenyl-phenylether
 Concen: 4.87 ng
 RT: 11.16 min Scan# 706
 Delta R.T. -0.26 min
 Lab File: BF080224.D
 Acq: 30 Jun 2015 1:46

Tgt Ion:248 Resp: 6224
 Ion Ratio Lower Upper
 248 100
 250 188.1 78.5 117.7#
 141 294.6 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: 6.81 ng

RT: 11.89 min Scan# 770

Delta R.T. -0.05 min

Lab File: BF080224.D

Acq: 30 Jun 2015 1:46

Instrument :

BNA_F

ClientSampleId :

TEC-C1

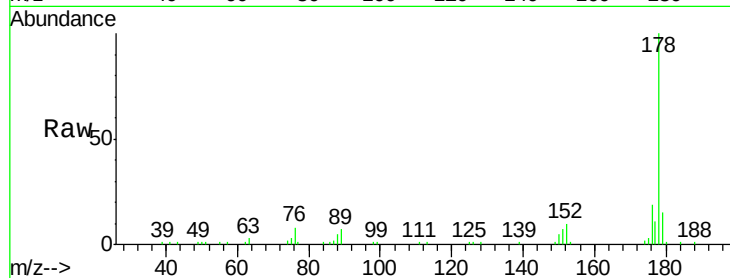
Tgt Ion:178 Resp: 49571

Ion Ratio Lower Upper

178 100

176 19.1 13.8 20.8

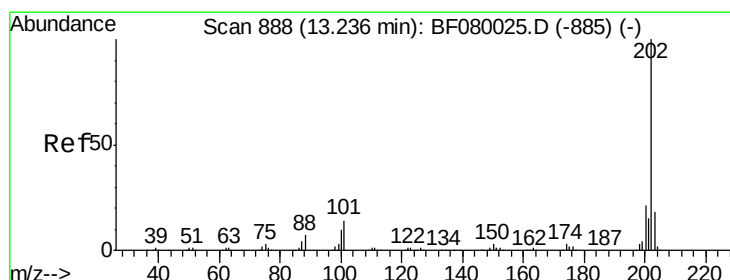
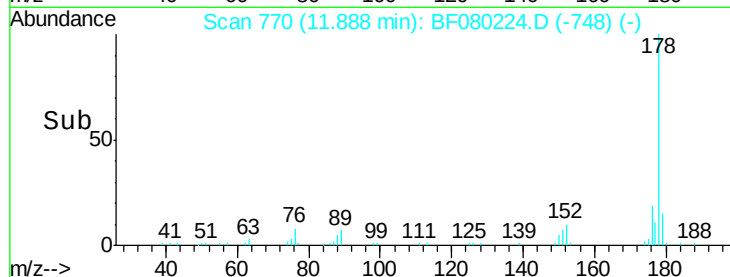
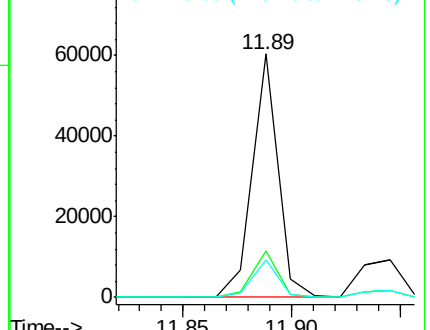
179 15.2 12.2 18.2



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



#74

Fluoranthene

Concen: 10.70 ng

RT: 13.15 min Scan# 880

Delta R.T. -0.10 min

Lab File: BF080224.D

Acq: 30 Jun 2015 1:46

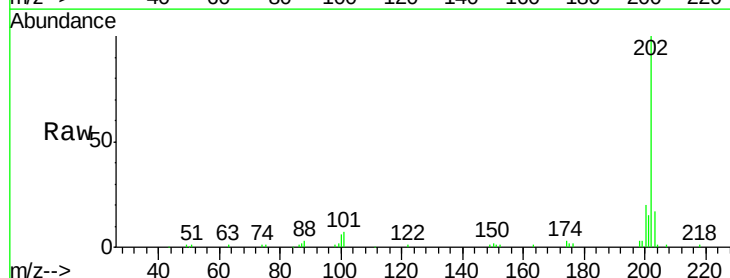
Tgt Ion:202 Resp: 83018

Ion Ratio Lower Upper

202 100

101 6.9 0.0 38.3

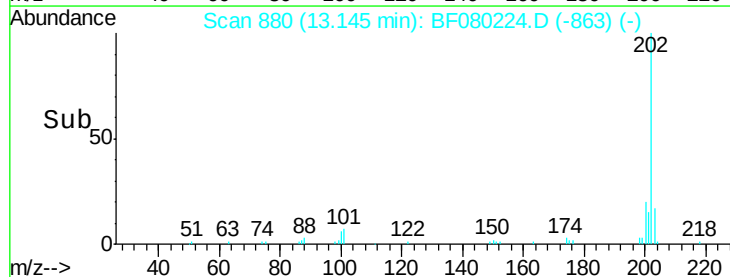
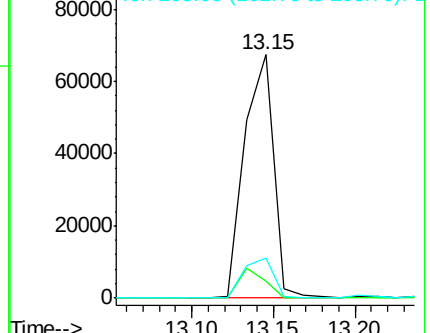
203 16.7 0.0 37.3

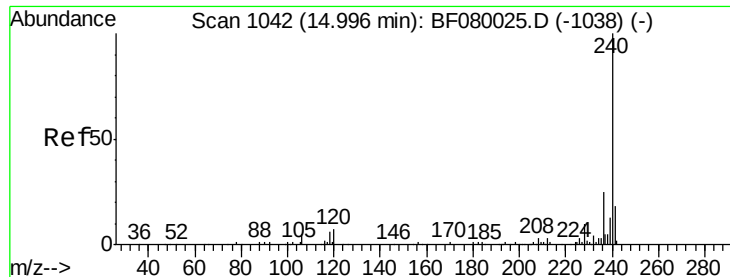


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 101.00 (100.70 to 101.70): E

Ion 203.00 (202.70 to 203.70): E





#75

Chrysene-d12

Concen: 20.00 ng

RT: 14.80 min Scan# 1025

Delta R.T. -0.19 min

Lab File: BF080224.D

Acq: 30 Jun 2015 1:46

Instrument :

BNA_F

ClientSampleId :

TEC-C1

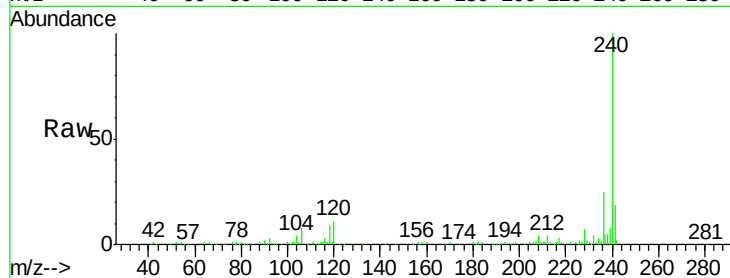
Tgt Ion:240 Resp: 132263

Ion Ratio Lower Upper

240 100

120 11.1 16.2 24.2#

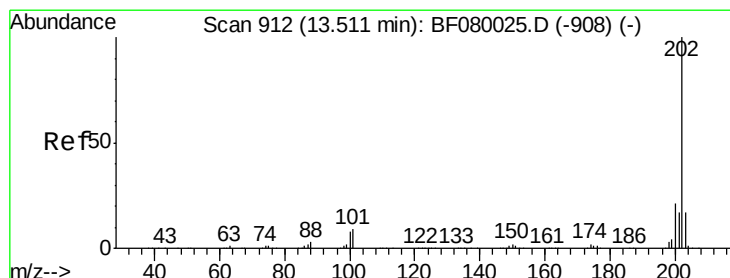
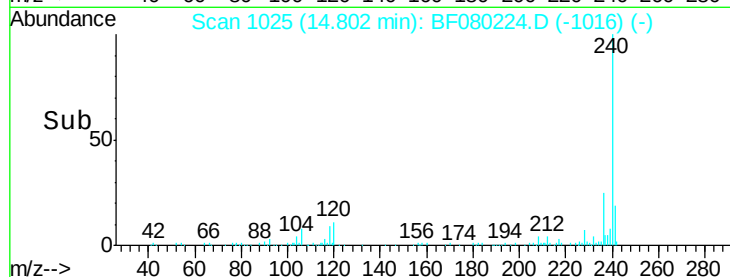
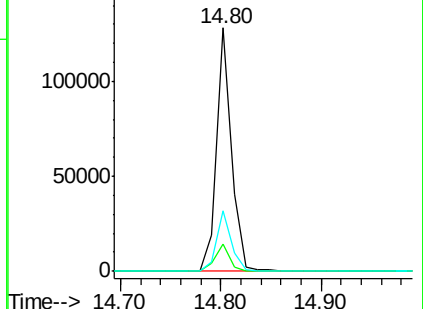
236 24.9 18.4 27.6



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: 8.75 ng

RT: 13.40 min Scan# 902

Delta R.T. -0.11 min

Lab File: BF080224.D

Acq: 30 Jun 2015 1:46

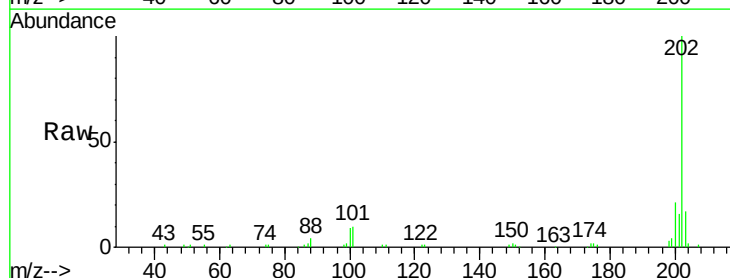
Tgt Ion:202 Resp: 71246

Ion Ratio Lower Upper

202 100

200 21.3 15.0 22.4

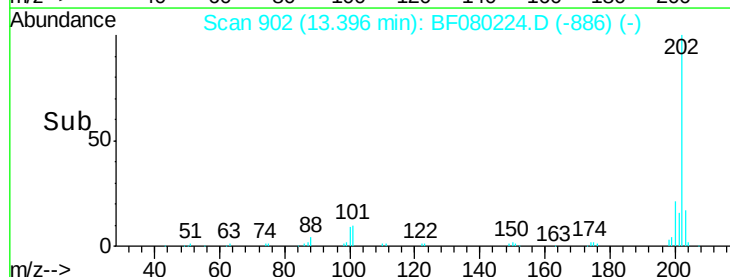
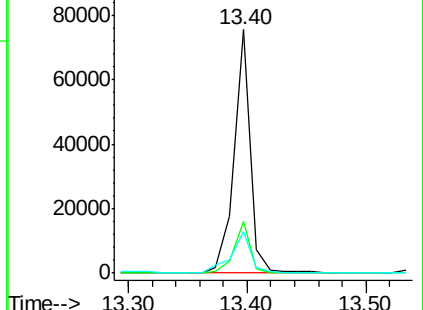
203 17.1 14.1 21.1

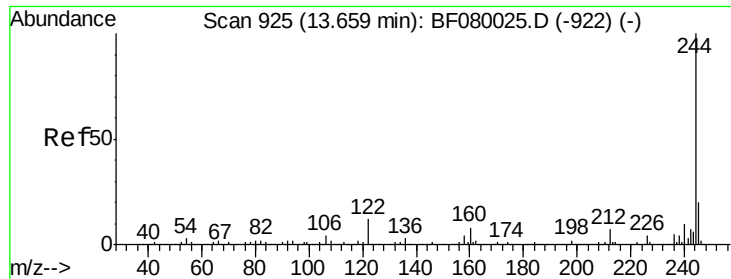


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 80.38 ng

RT: 13.55 min Scan# 915

Delta R.T. -0.13 min

Lab File: BF080224.D

Acq: 30 Jun 2015 1:46

Instrument :

BNA_F

ClientSampleId :

TEC-C1

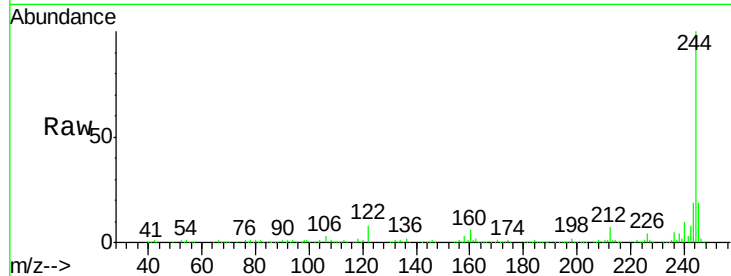
Tgt Ion:244 Resp: 455216

Ion Ratio Lower Upper

244 100

212 6.7 4.3 6.5#

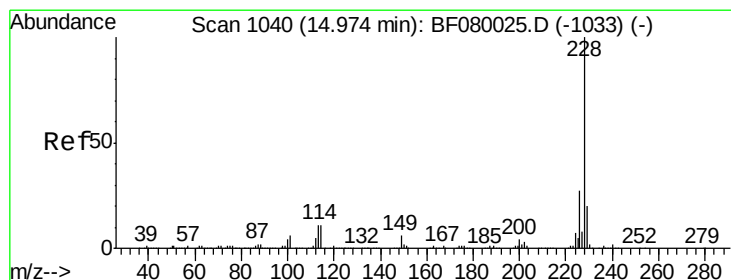
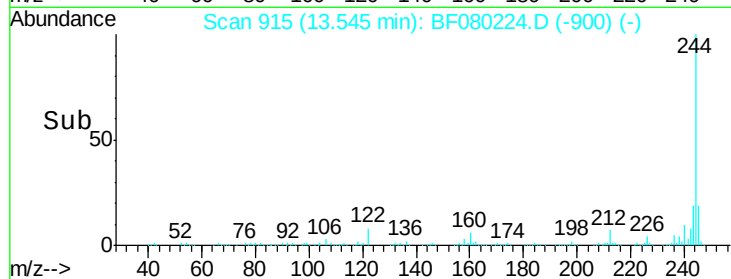
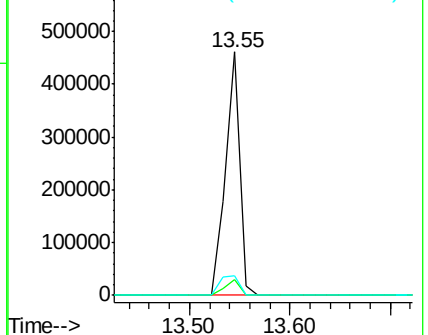
122 8.1 17.4 26.2#



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: 5.03 ng

RT: 14.79 min Scan# 1024

Delta R.T. -0.19 min

Lab File: BF080224.D

Acq: 30 Jun 2015 1:46

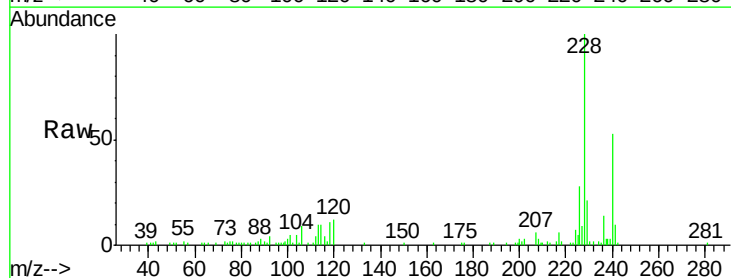
Tgt Ion:228 Resp: 40493

Ion Ratio Lower Upper

228 100

226 28.4 20.0 30.0

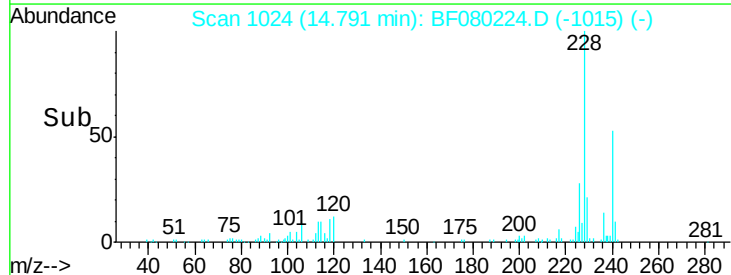
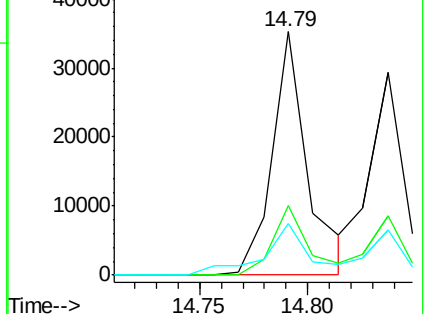
229 21.2 15.4 23.2

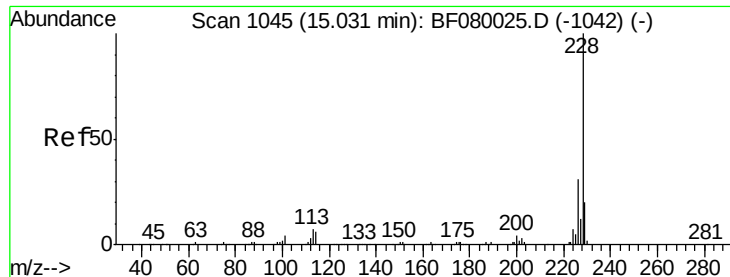


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 4.31 ng

RT: 14.84 min Scan# 1028

Delta R.T. -0.19 min

Lab File: BF080224.D

Acq: 30 Jun 2015 1:46

Instrument :

BNA_F

ClientSampleId :

TEC-C1

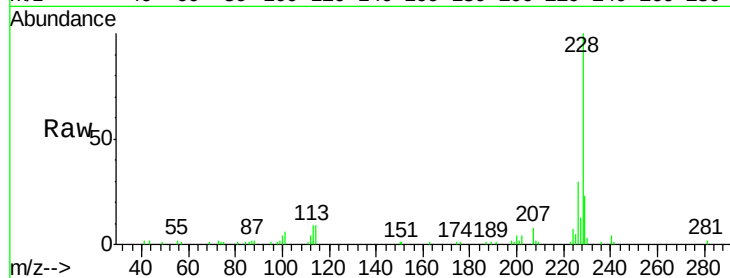
Tgt Ion:228 Resp: 31998

Ion Ratio Lower Upper

228 100

226 29.6 21.0 31.4

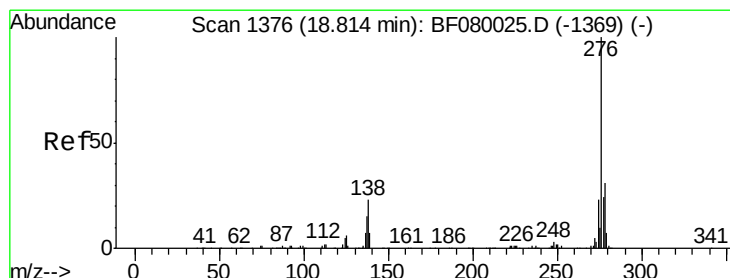
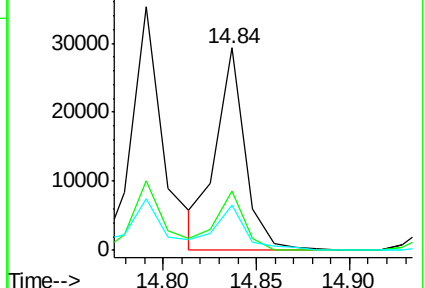
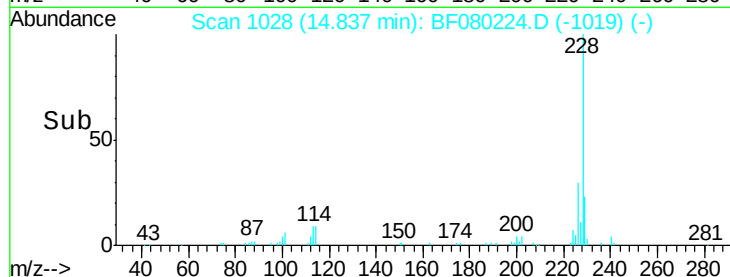
229 22.5 15.6 23.4



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



#85

Indeno(1,2,3-cd)pyrene

Concen: 2.25 ng

RT: 18.49 min Scan# 1348

Delta R.T. -0.30 min

Lab File: BF080224.D

Acq: 30 Jun 2015 1:46

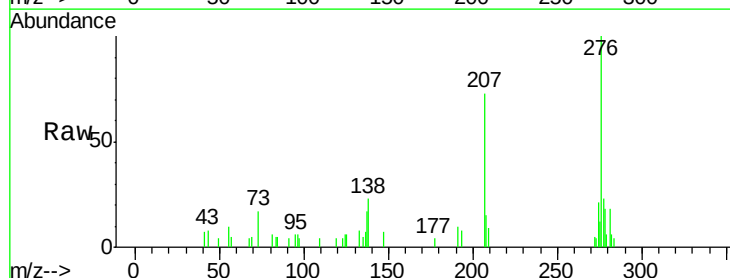
Tgt Ion:276 Resp: 21054

Ion Ratio Lower Upper

276 100

138 20.8 25.7 38.5#

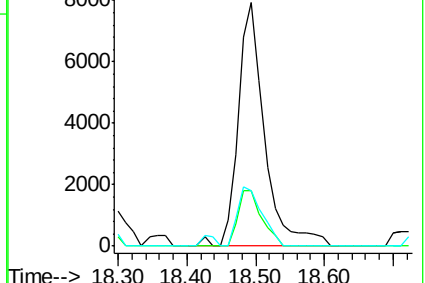
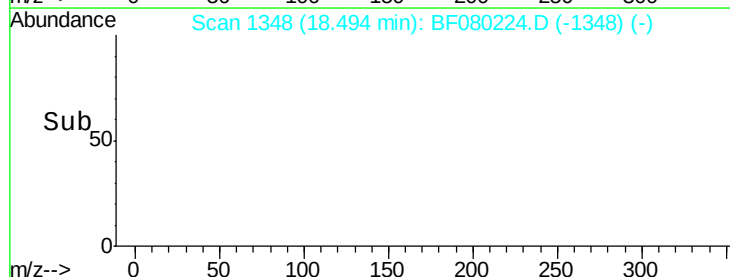
277 22.7 15.6 23.4

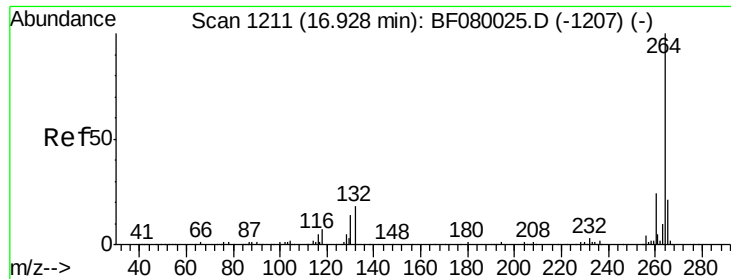


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

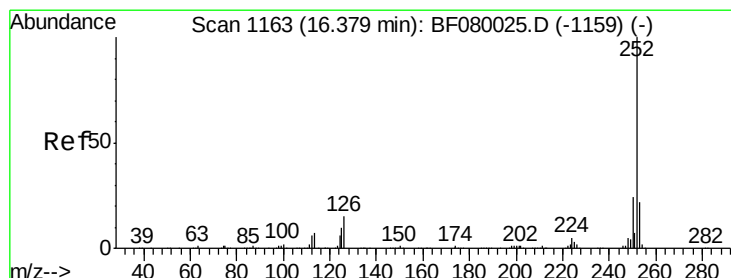
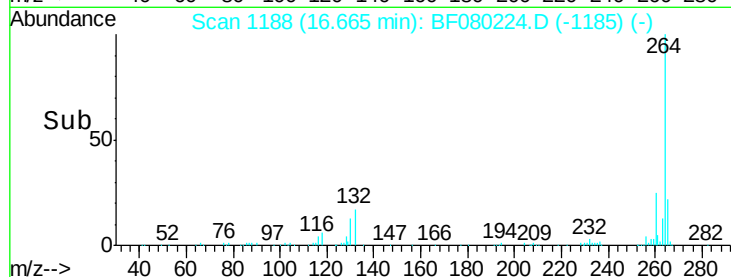
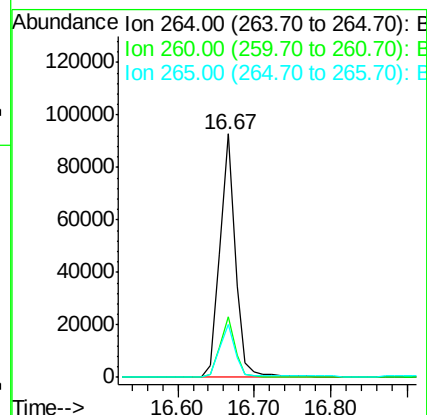
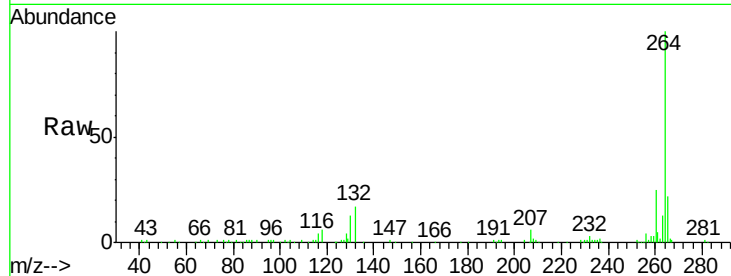




#86
Perylene-d12
Concen: 20.00 ng
RT: 16.67 min Scan# 1188
Delta R.T. -0.26 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

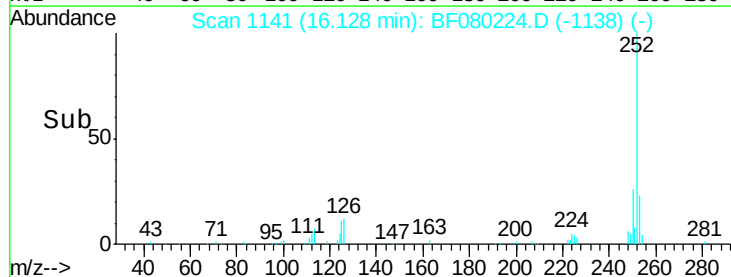
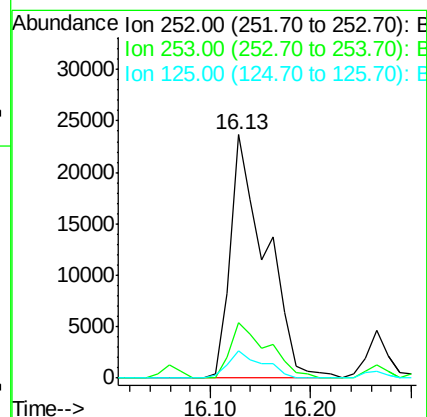
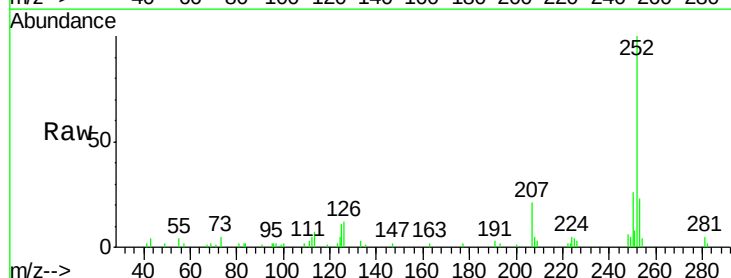
Instrument :
BNA_F
ClientSampleId :
TEC-C1

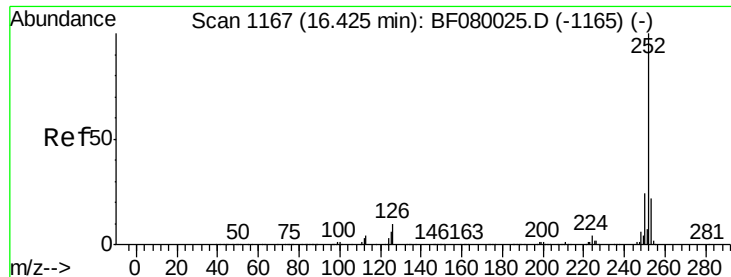
Tgt Ion: 264 Resp: 131355
Ion Ratio Lower Upper
264 100
260 25.0 16.7 25.1
265 21.5 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 7.25 ng
RT: 16.13 min Scan# 1141
Delta R.T. -0.26 min
Lab File: BF080224.D
Acq: 30 Jun 2015 1:46

Tgt Ion: 252 Resp: 57688
Ion Ratio Lower Upper
252 100
253 23.0 17.5 26.3
125 11.1 17.1 25.7#





#88

Benzo(k)fluoranthene

Concen: 7.12 ng

RT: 16.13 min Scan# 1141

Delta R.T. -0.30 min

Lab File: BF080224.D

Acq: 30 Jun 2015 1:46

Instrument :

BNA_F

ClientSampleId :

TEC-C1

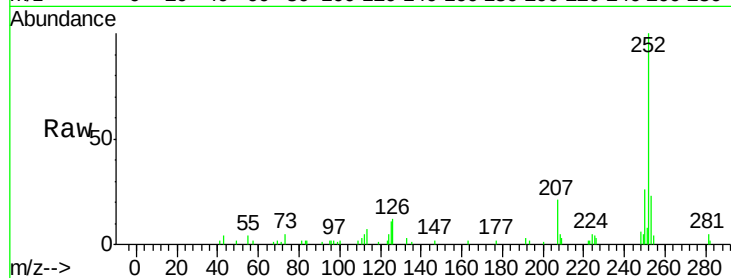
Tgt Ion:252 Resp: 57688

Ion Ratio Lower Upper

252 100

253 23.0 17.0 25.4

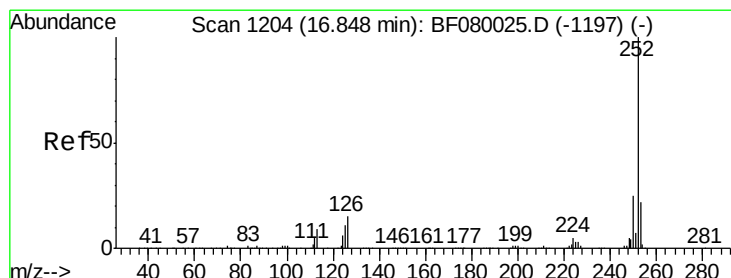
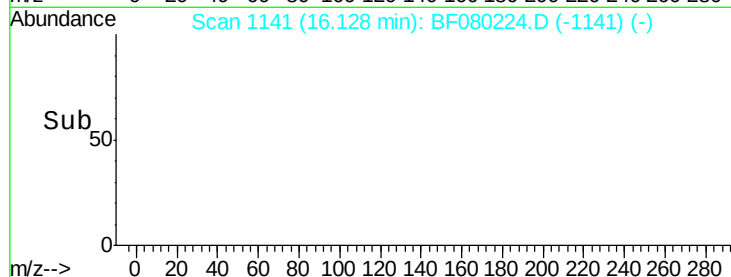
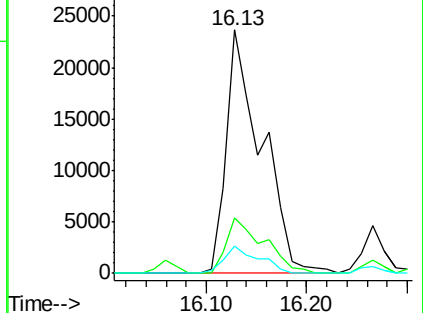
125 11.1 16.0 24.0#



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: 4.24 ng

RT: 16.59 min Scan# 1181

Delta R.T. -0.26 min

Lab File: BF080224.D

Acq: 30 Jun 2015 1:46

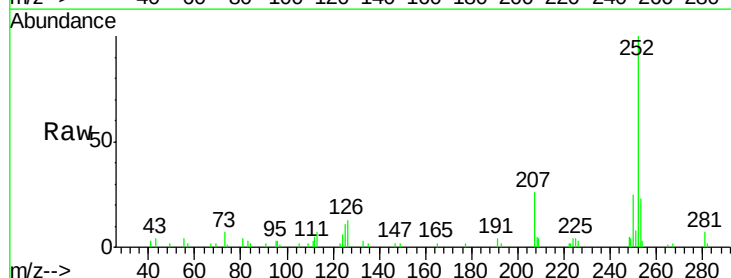
Tgt Ion:252 Resp: 32009

Ion Ratio Lower Upper

252 100

253 22.7 17.2 25.8

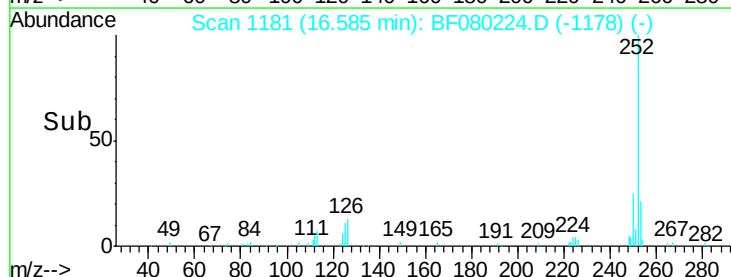
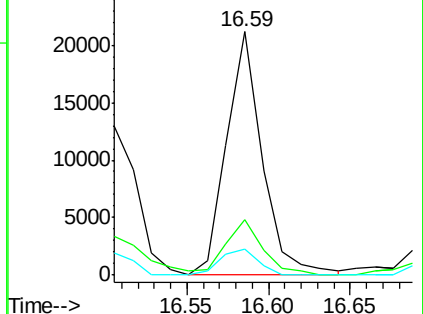
125 10.9 18.0 27.0#

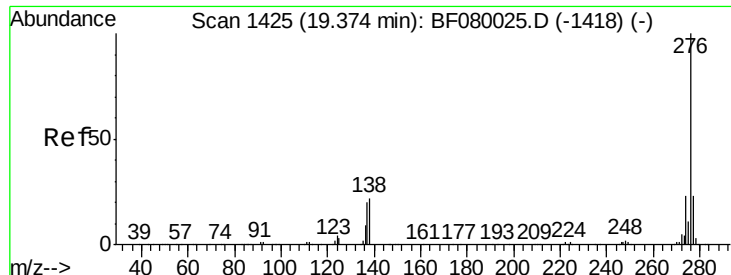


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#91

Benzo(g,h,i)perylene

Concen: 2.48 ng

RT: 19.04 min Scan# 1396

Delta R.T. -0.31 min

Lab File: BF080224.D

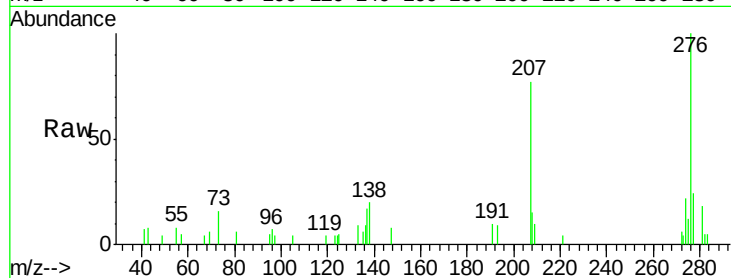
Acq: 30 Jun 2015 1:46

Instrument :

BNA_F

ClientSampleId :

TEC-C1



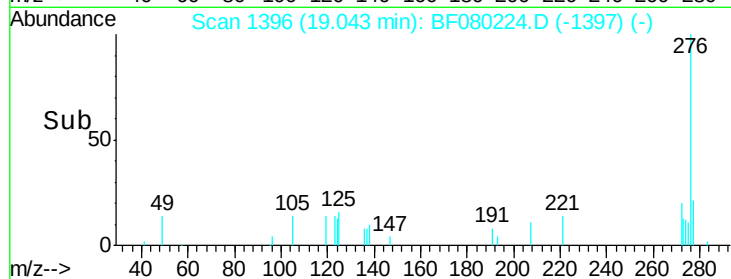
Tgt Ion: 276 Resp: 19364

Ion Ratio Lower Upper

276 100

277 24.4 17.8 26.6

138 19.8 34.6 51.8#



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

