

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052815\
 Data File : BF079545.D
 Acq On : 28 May 2015 15:37
 Operator : TP/IZ
 Sample : G2386-01
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-1-SS

Quant Time: May 29 08:46:15 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu May 28 18:41:08 2015
 Response via : Initial Calibration

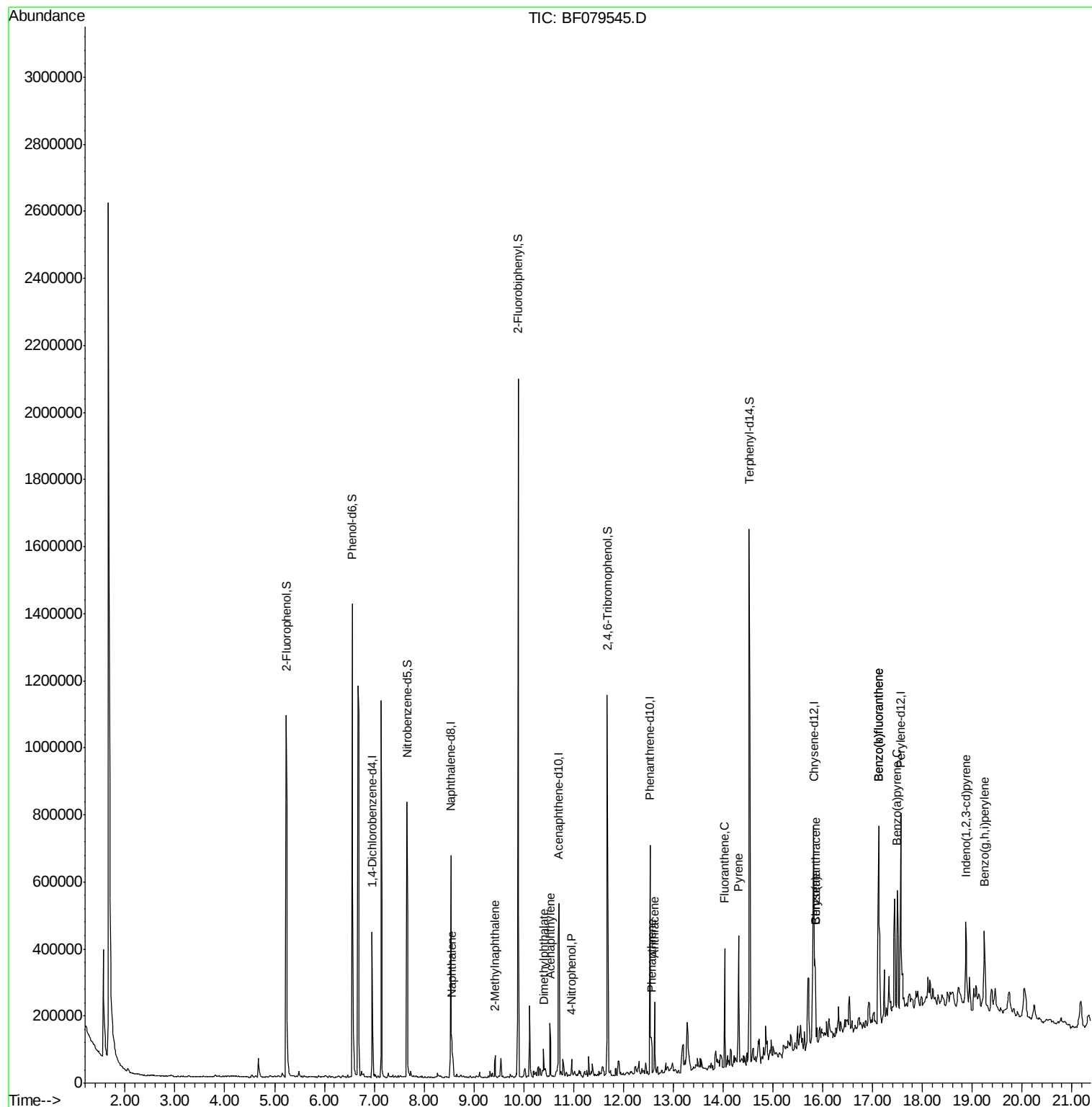
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.96	152	69583	20.00	ng	0.00
21) Naphthalene-d8	8.54	136	292930	20.00	ng	0.00
38) Acenaphthene-d10	10.71	164	135907	20.00	ng	0.00
63) Phenanthrene-d10	12.54	188	254414	20.00	ng	0.00
75) Chrysene-d12	15.82	240	253698	20.00	ng	-0.02
86) Perylene-d12	17.57	264	279060	20.00	ng	-0.10
System Monitoring Compounds						
5) 2-Fluorophenol	5.23	112	453689	113.09	ng	0.00
7) Phenol-d6	6.56	99	591121	115.60	ng	0.00
23) Nitrobenzene-d5	7.66	82	326932	64.52	ng	-0.01
41) 2,4,6-Tribromophenol	11.68	330	162339	108.75	ng	-0.01
44) 2-Fluorobiphenyl	9.88	172	654269	68.68	ng	0.00
78) Terphenyl-d14	14.53	244	681444	63.04	ng	-0.01
Target Compounds						
9) Benzaldehyde	6.42	77	531	Below Cal		Qvalue # 44
31) Naphthalene	8.56	128	51481	3.66	ng	99
37) 2-Methylnaphthalene	9.43	142	25099	2.57	ng	99
48) Acenaphthylene	10.52	152	89393	6.42	ng	99
49) Dimethylphthalate	10.40	163	31465	3.14	ng	99
55) 4-Nitrophenol	10.96	139	7101	4.92	ng	# 12
70) Phenanthrene	12.56	178	53155	3.81	ng	99
71) Anthracene	12.63	178	91556	6.46	ng	99
73) Di-n-butylphthalate	13.30	149	4556	Below Cal		# 77
74) Fluoranthene	14.03	202	149666	10.00	ng	97
77) Pyrene	14.31	202	183363	11.67	ng	96
80) Benzo(a)anthracene	15.85	228	163680	11.22	ng	95
82) Chrysene	15.85	228	163099	11.76	ng	96
85) Indeno(1,2,3-cd)pyrene	18.87	276	164458	9.22	ng	95
87) Benzo(b)fluoranthene	17.12	252	453890	28.52	ng	97
88) Benzo(k)fluoranthene	17.12	252	453890	31.89	ng	# 95
89) Benzo(a)pyrene	17.50	252	192620	12.41	ng	# 96
90) Dibenzo(a,h)anthracene	18.95	278	13386	Below Cal		# 71
91) Benzo(g,h,i)perylene	19.25	276	162997	9.34	ng	98

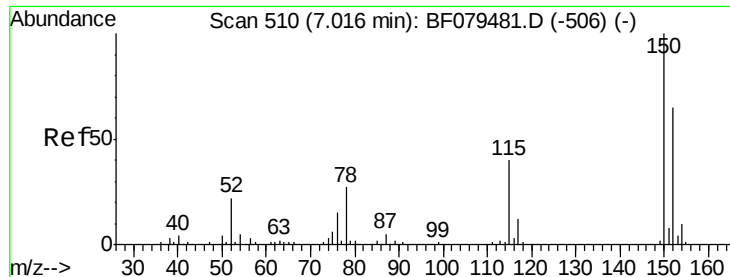
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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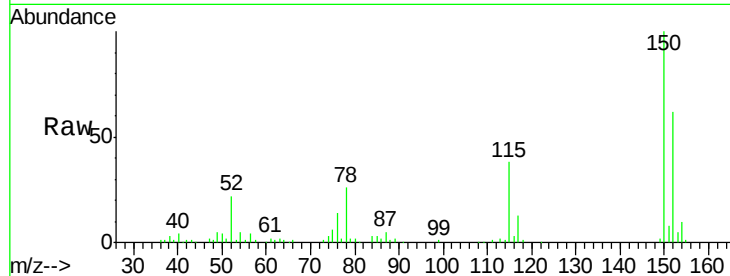




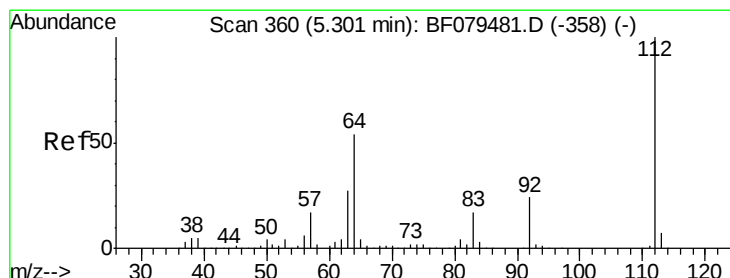
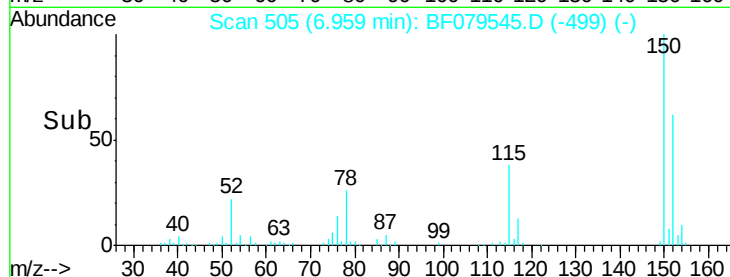
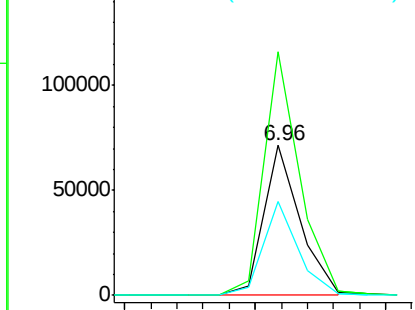
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 6.96 min Scan# 505
 Delta R.T. -0.00 min
 Lab File: BF079545.D
 Acq: 28 May 2015 15:37

Instrument :
 BNA_G
 ClientSampleId :
 TP-1-SS

Tgt Ion:152 Resp: 69583
 Ion Ratio Lower Upper
 152 100
 150 162.2 124.0 186.0
 115 62.3 49.6 74.4

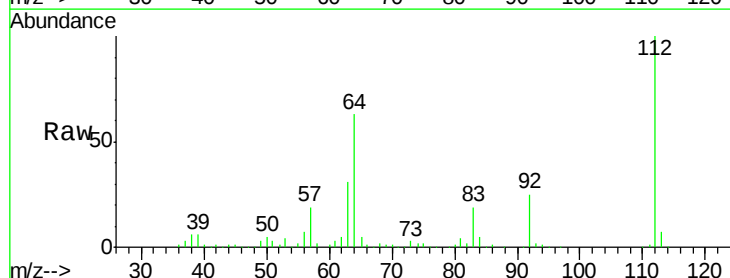


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

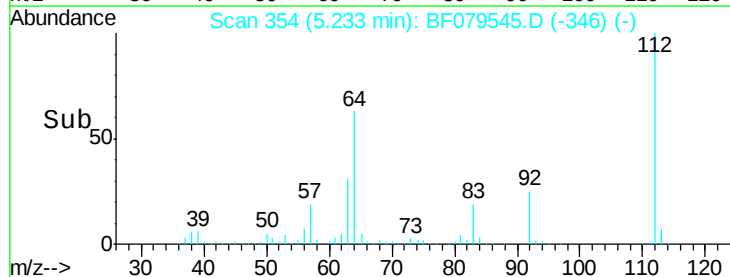
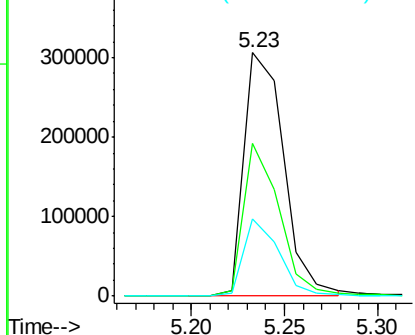


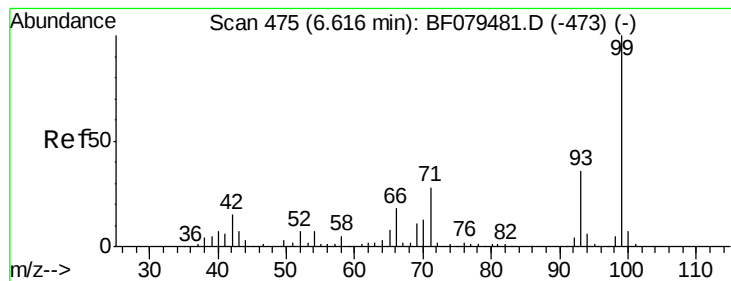
#5
 2-Fluorophenol
 Concen: 113.09 ng
 RT: 5.23 min Scan# 354
 Delta R.T. 0.00 min
 Lab File: BF079545.D
 Acq: 28 May 2015 15:37

Tgt Ion:112 Resp: 453689
 Ion Ratio Lower Upper
 112 100
 64 62.7 43.5 65.3
 63 31.5 21.8 32.8



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: 115.60 ng

RT: 6.56 min Scan# 470

Delta R.T. 0.00 min

Lab File: BF079545.D

Acq: 28 May 2015 15:37

Instrument :

BNA_G

ClientSampleId :

TP-1-SS

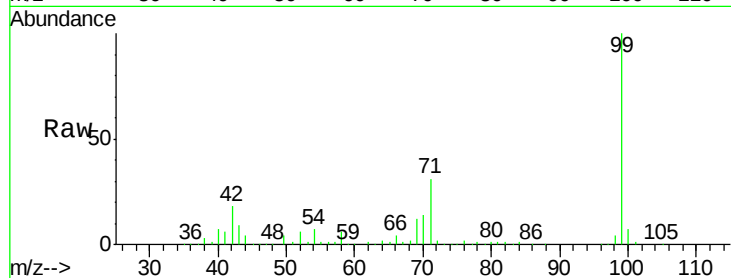
Tgt Ion: 99 Resp: 591121

Ion Ratio Lower Upper

99 100

42 17.9 11.9 17.9

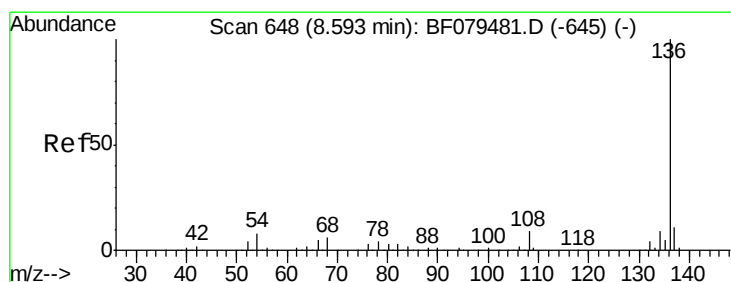
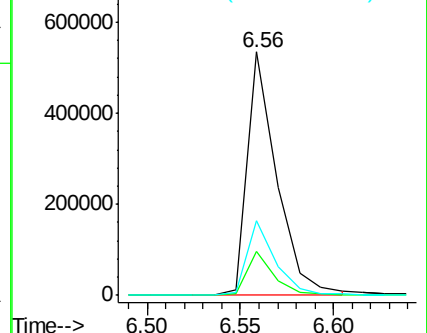
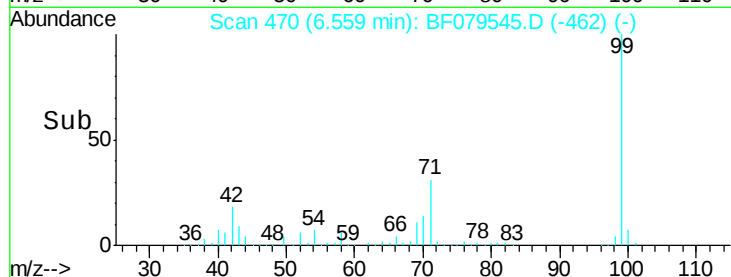
71 30.8 22.1 33.1



Abundance Ion 99.00 (98.70 to 99.70): BF0

Ion 42.00 (41.70 to 42.70): BF0

Ion 71.00 (70.70 to 71.70): BF0



#21

Naphthalene-d8

Concen: 20.00 ng

RT: 8.54 min Scan# 643

Delta R.T. -0.00 min

Lab File: BF079545.D

Acq: 28 May 2015 15:37

Tgt Ion: 136 Resp: 292930

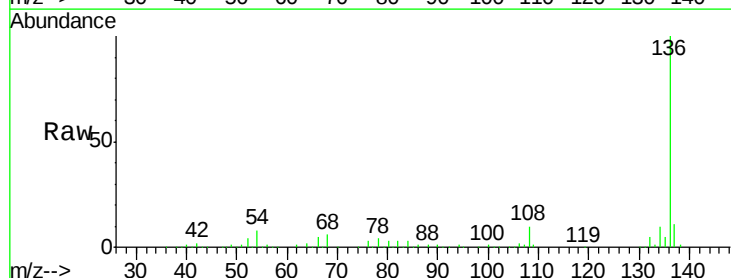
Ion Ratio Lower Upper

136 100

137 11.1 8.5 12.7

54 7.9 6.6 9.8

68 6.1 4.7 7.1

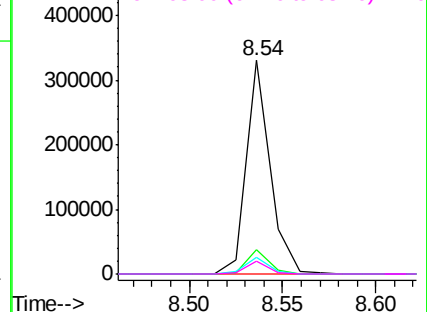
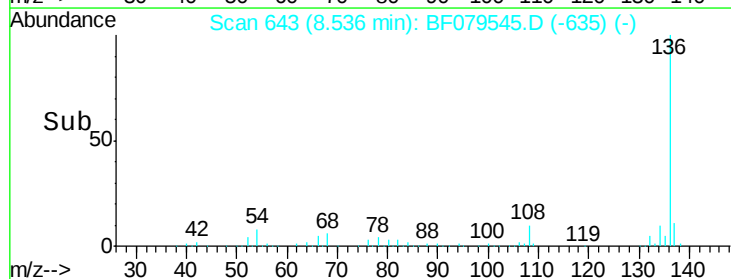


Abundance Ion 136.00 (135.70 to 136.70): E

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

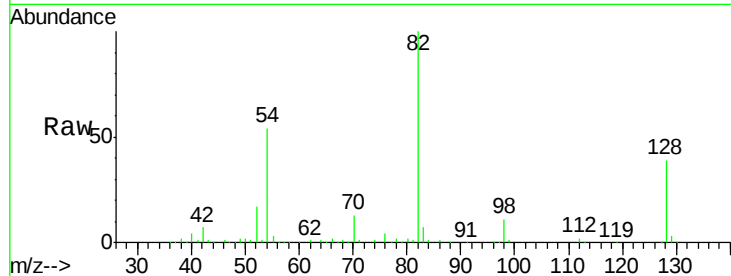




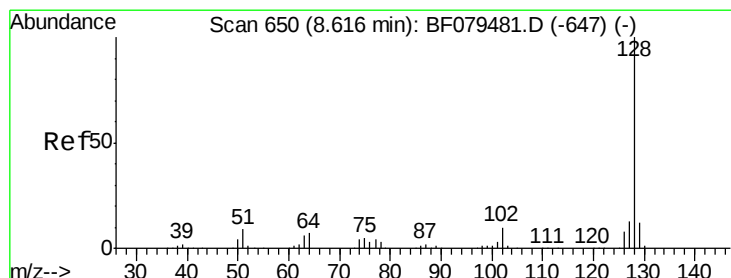
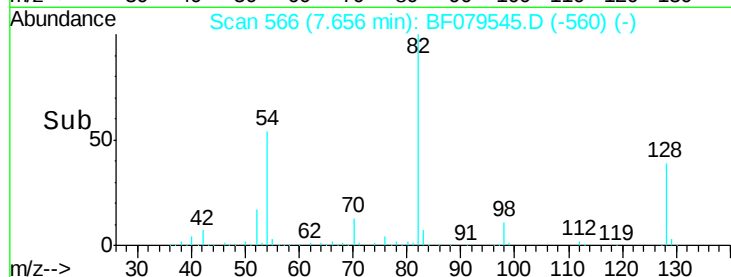
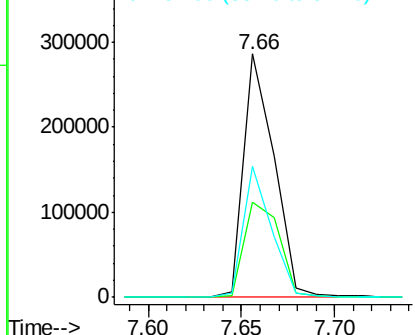
#23
 Nitrobenzene-d5
 Concen: 64.52 ng
 RT: 7.66 min Scan# 566
 Delta R.T. -0.01 min
 Lab File: BF079545.D
 Acq: 28 May 2015 15:37

Instrument :
 BNA_G
 ClientSampleId :
 TP-1-SS

Tgt Ion: 82 Resp: 326932
 Ion Ratio Lower Upper
 82 100
 128 39.1 30.8 46.2
 54 53.7 42.8 64.2

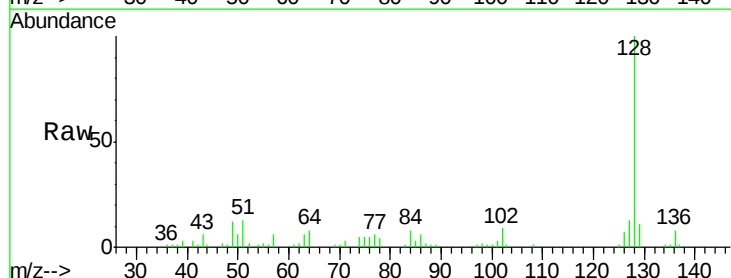


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

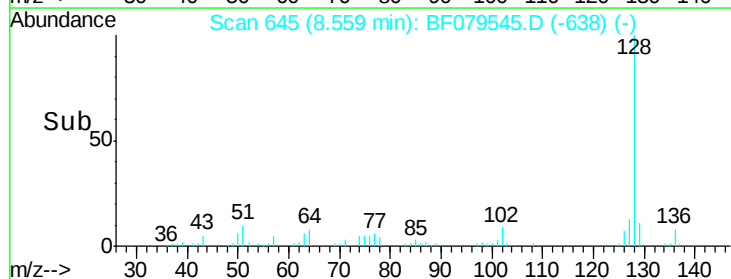
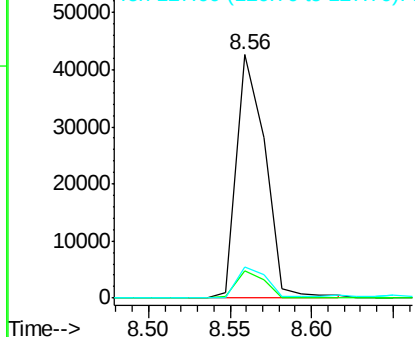


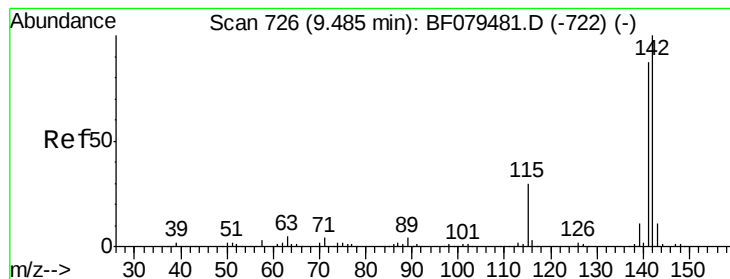
#31
 Naphthalene
 Concen: 3.66 ng
 RT: 8.56 min Scan# 645
 Delta R.T. -0.01 min
 Lab File: BF079545.D
 Acq: 28 May 2015 15:37

Tgt Ion: 128 Resp: 51481
 Ion Ratio Lower Upper
 128 100
 129 11.3 9.3 13.9
 127 12.9 10.6 15.8



Abundance Ion 128.00 (127.70 to 128.70): E
 Ion 129.00 (128.70 to 129.70): E
 Ion 127.00 (126.70 to 127.70): E





#37

2-Methylnaphthalene

Concen: 2.57 ng

RT: 9.43 min Scan# 721

Delta R.T. -0.00 min

Lab File: BF079545.D

Acq: 28 May 2015 15:37

Instrument :

BNA_G

ClientSampleId :

TP-1-SS

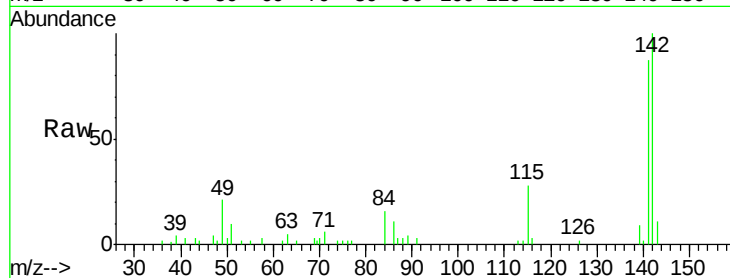
Tgt Ion:142 Resp: 25099

Ion Ratio Lower Upper

142 100

141 86.9 69.5 104.3

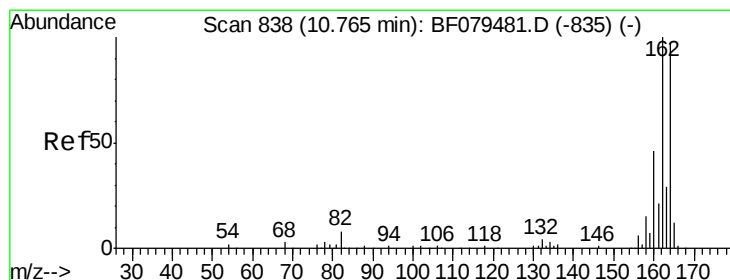
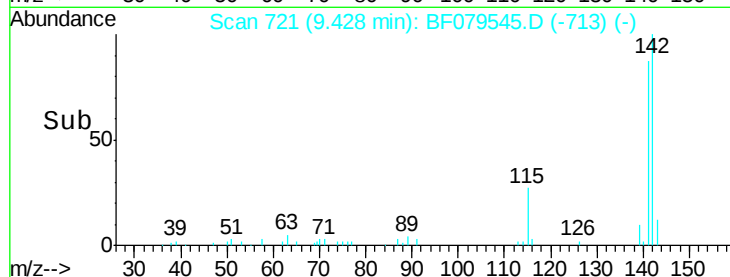
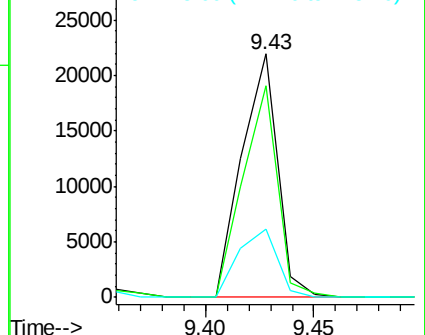
115 27.9 23.8 35.6



Abundance Ion 142.00 (141.70 to 142.70): E

Ion 141.00 (140.70 to 141.70): E

Ion 115.00 (114.70 to 115.70): E



#38

Acenaphthene-d10

Concen: 20.00 ng

RT: 10.71 min Scan# 833

Delta R.T. -0.00 min

Lab File: BF079545.D

Acq: 28 May 2015 15:37

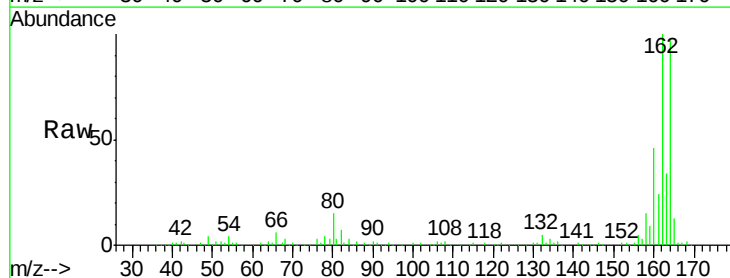
Tgt Ion:164 Resp: 135907

Ion Ratio Lower Upper

164 100

162 102.9 82.6 124.0

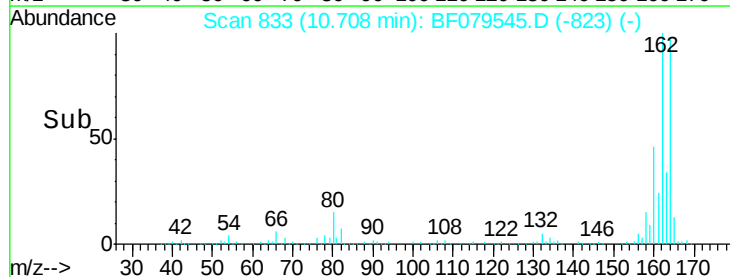
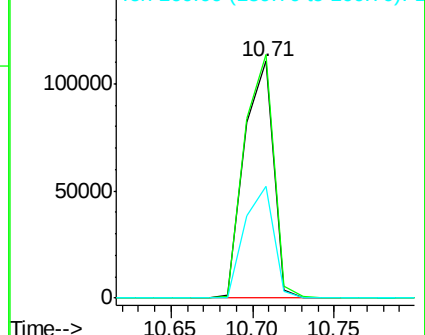
160 47.1 37.7 56.5

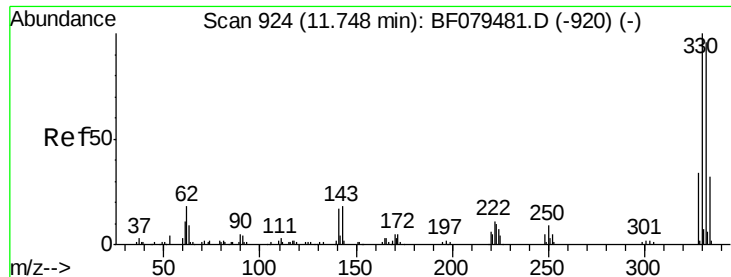


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

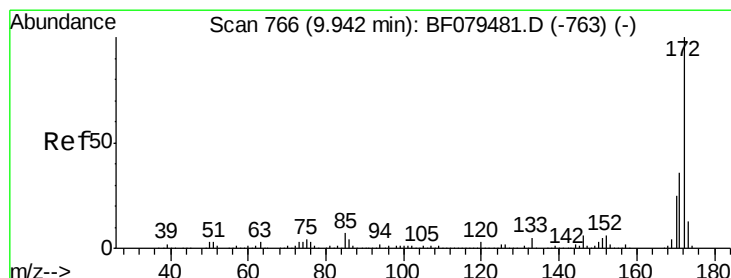
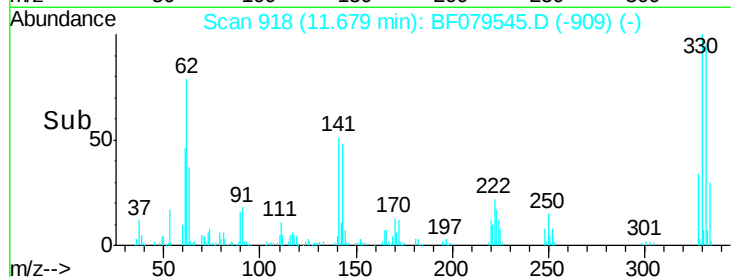
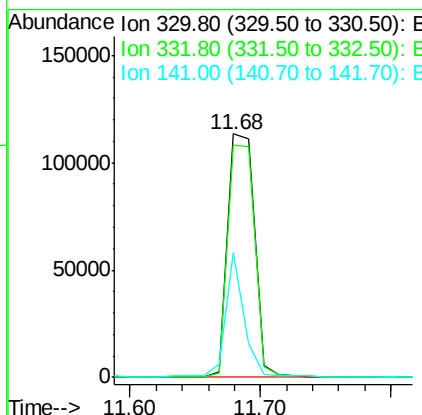
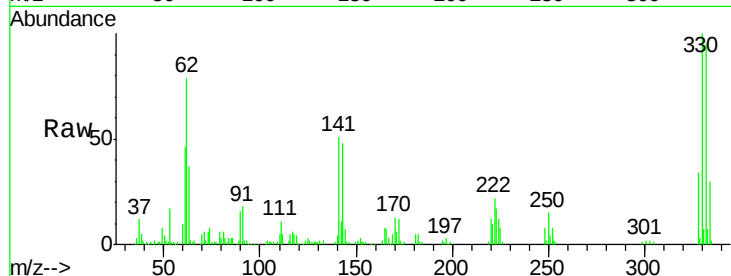




#41
 2,4,6-Tribromophenol
 Concen: 108.75 ng
 RT: 11.68 min Scan# 918
 Delta R.T. -0.01 min
 Lab File: BF079545.D
 Acq: 28 May 2015 15:37

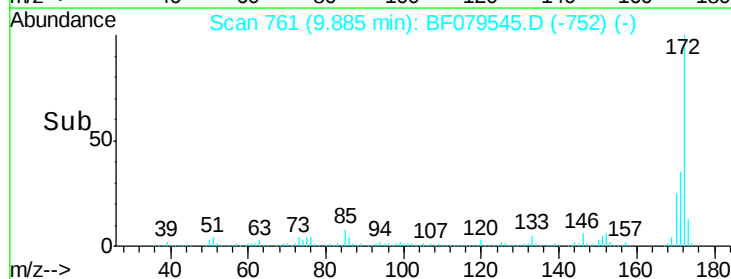
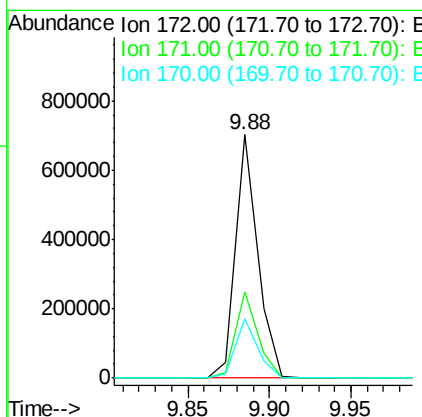
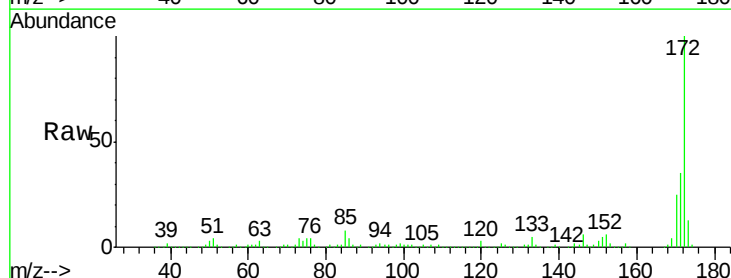
Instrument :
 BNA_G
 ClientSampled :
 TP-1-SS

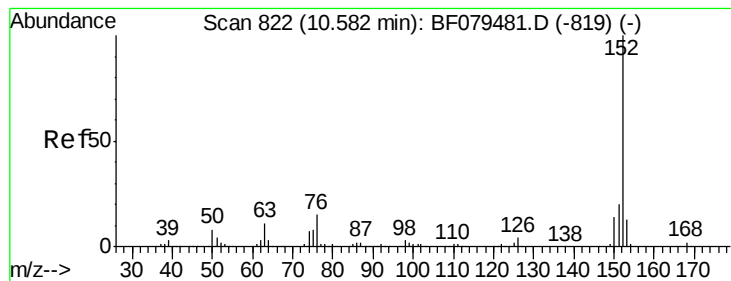
Tgt Ion	Ratio	Lower	Upper
330	100		
332	95.3	0.0	0.0#
141	36.6	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 68.68 ng
 RT: 9.88 min Scan# 761
 Delta R.T. -0.00 min
 Lab File: BF079545.D
 Acq: 28 May 2015 15:37

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.5	28.5	42.7
170	24.5	19.7	29.5





#48

Acenaphthylene

Concen: 6.42 ng

RT: 10.52 min Scan# 817

Delta R.T. -0.01 min

Lab File: BF079545.D

Acq: 28 May 2015 15:37

Instrument :

BNA_G

ClientSampleId :

TP-1-SS

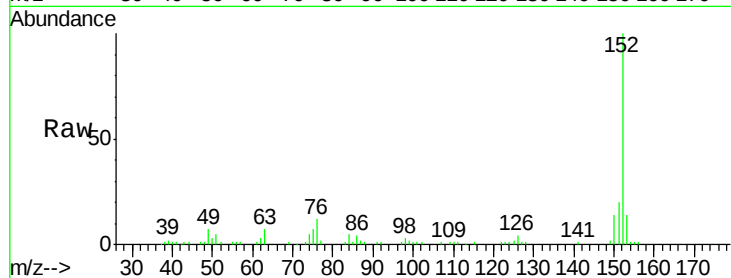
Tgt Ion:152 Resp: 89393

Ion Ratio Lower Upper

152 100

151 19.7 15.8 23.8

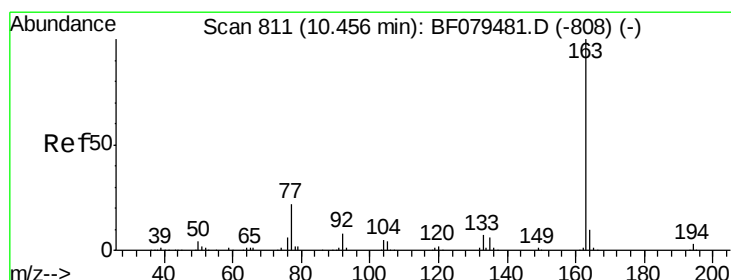
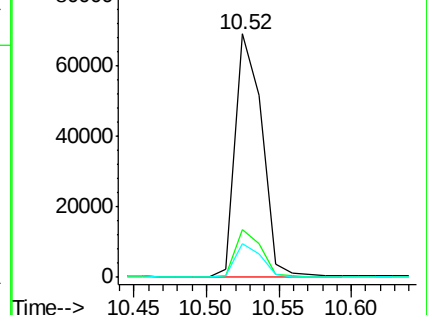
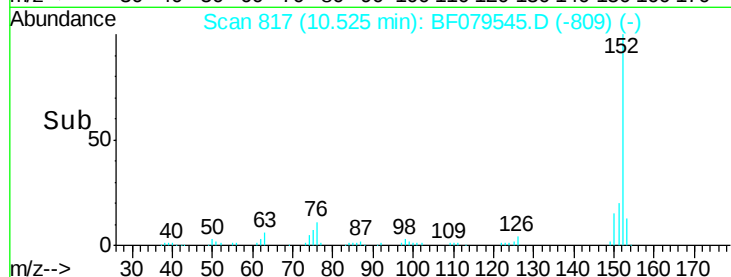
153 13.9 10.7 16.1



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: 3.14 ng

RT: 10.40 min Scan# 806

Delta R.T. -0.01 min

Lab File: BF079545.D

Acq: 28 May 2015 15:37

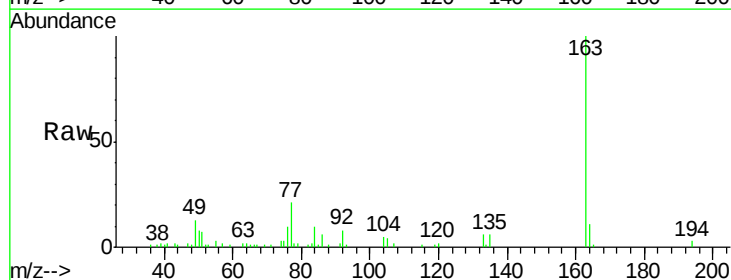
Tgt Ion:163 Resp: 31465

Ion Ratio Lower Upper

163 100

194 3.2 2.4 3.6

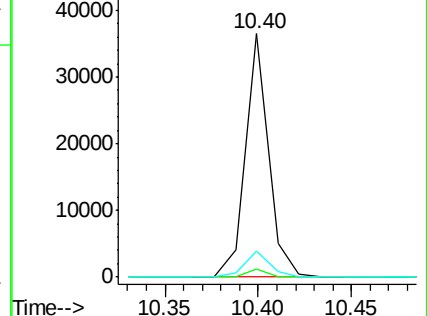
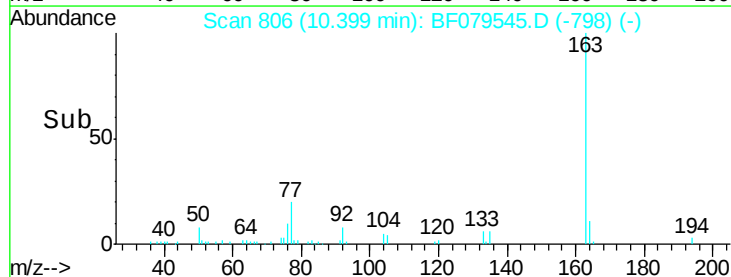
164 10.8 8.2 12.4

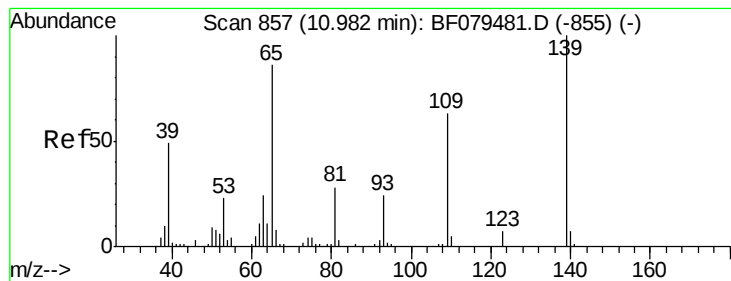


Abundance Ion 163.00 (162.70 to 163.70): E

Ion 194.00 (193.70 to 194.70): E

Ion 164.00 (163.70 to 164.70): E





#55

4-Nitrophenol

Concen: 4.92 ng

RT: 10.96 min Scan# 855

Delta R.T. 0.03 min

Lab File: BF079545.D

Acq: 28 May 2015 15:37

Instrument :

BNA_G

ClientSampleID :

TP-1-SS

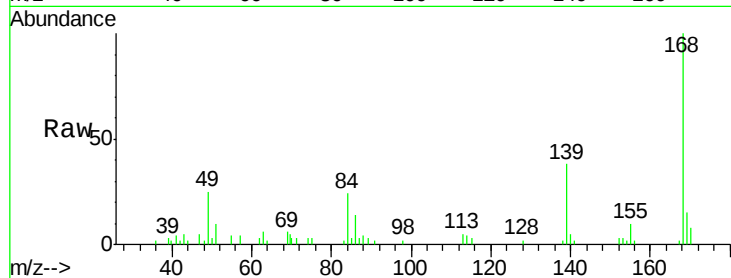
Tgt Ion:139 Resp: 7101

Ion Ratio Lower Upper

139 100

109 0.0 42.8 82.8#

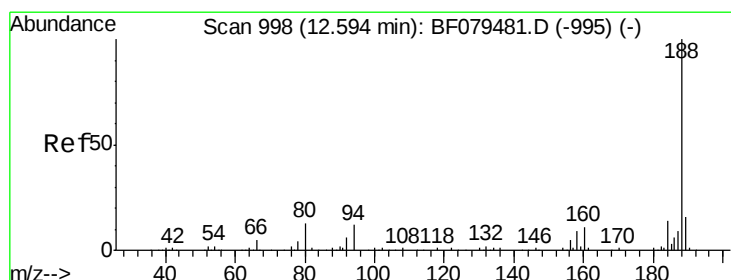
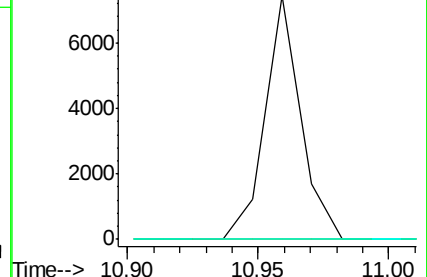
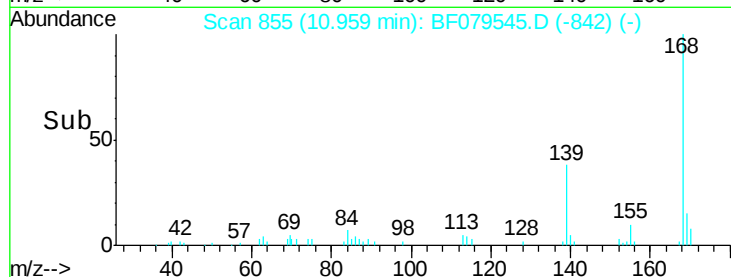
65 0.0 66.3 106.3#



Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0



#63

Phenanthrene-d10

Concen: 20.00 ng

RT: 12.54 min Scan# 993

Delta R.T. -0.00 min

Lab File: BF079545.D

Acq: 28 May 2015 15:37

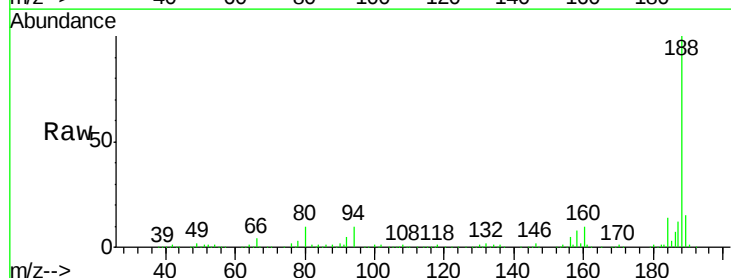
Tgt Ion:188 Resp: 254414

Ion Ratio Lower Upper

188 100

94 9.9 9.8 14.6

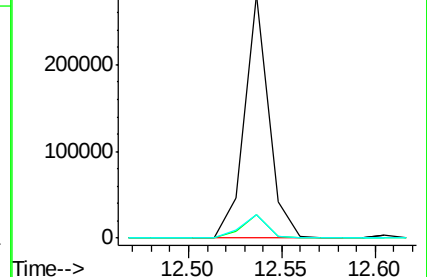
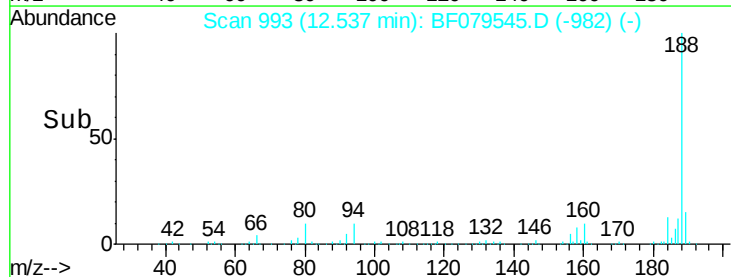
80 9.7 10.5 15.7#

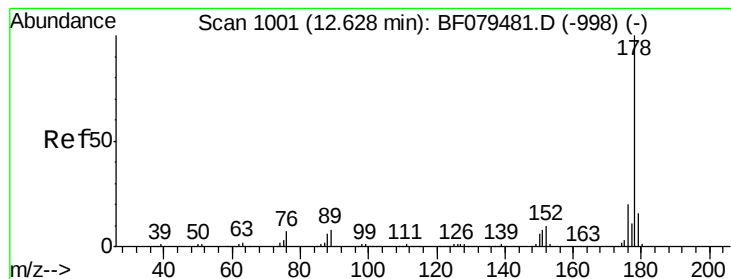


Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BF0

Ion 80.00 (79.70 to 80.70): BF0





#70

Phenanthrene

Concen: 3.81 ng

RT: 12.56 min Scan# 995

Delta R.T. -0.01 min

Lab File: BF079545.D

Acq: 28 May 2015 15:37

Instrument :

BNA_G

ClientSampleId :

TP-1-SS

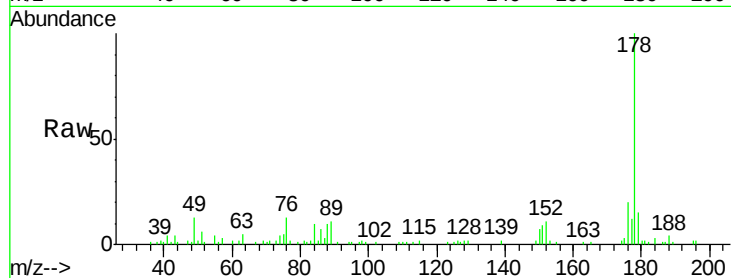
Tgt Ion:178 Resp: 53155

Ion Ratio Lower Upper

178 100

176 19.7 15.7 23.5

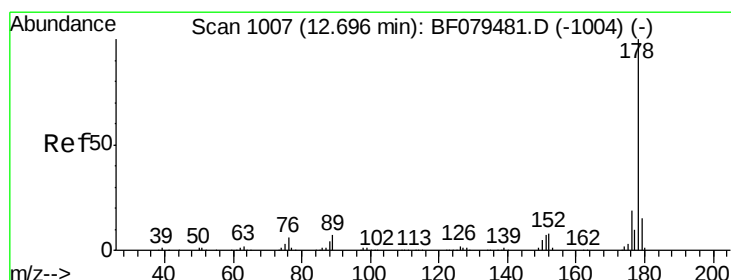
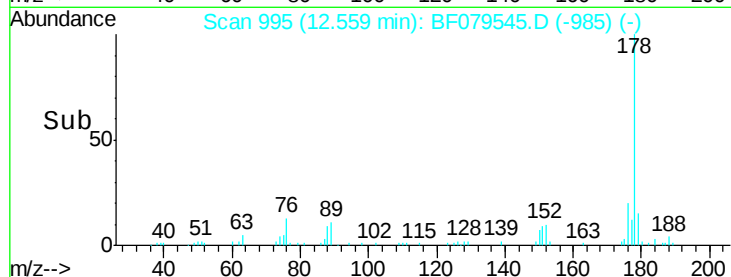
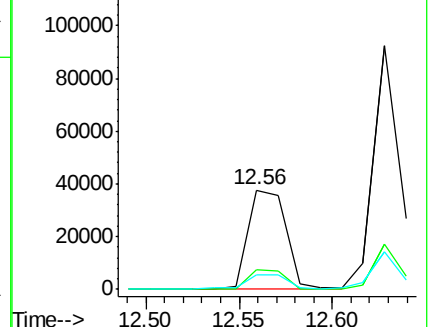
179 14.9 12.4 18.6



Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



#71

Anthracene

Concen: 6.46 ng

RT: 12.63 min Scan# 1001

Delta R.T. -0.00 min

Lab File: BF079545.D

Acq: 28 May 2015 15:37

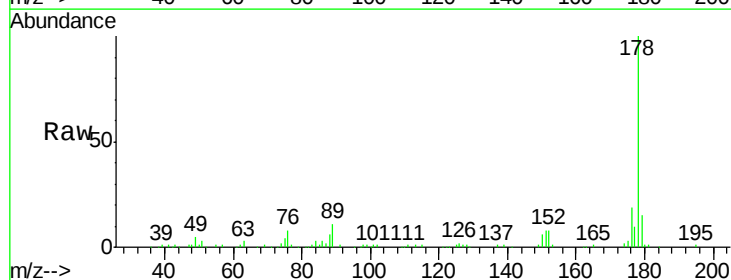
Tgt Ion:178 Resp: 91556

Ion Ratio Lower Upper

178 100

176 18.5 15.3 22.9

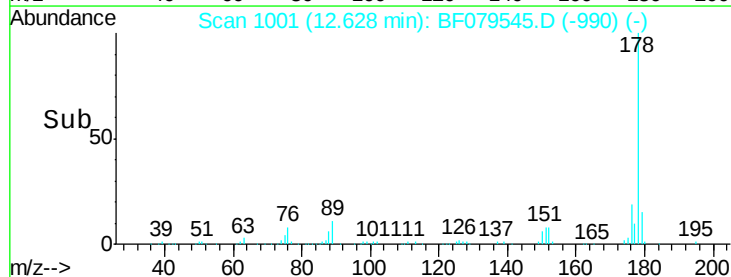
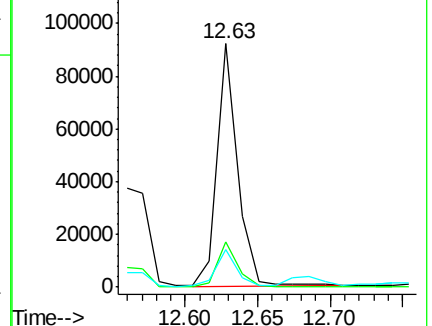
179 15.5 12.2 18.4

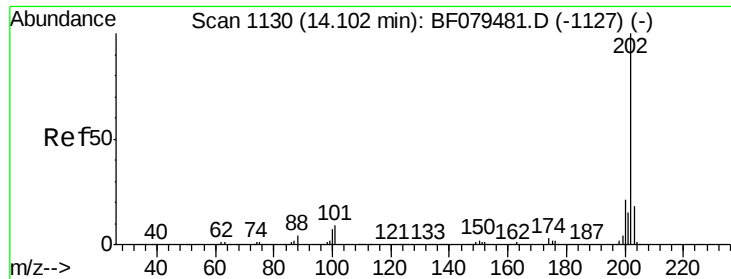


Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E





#74

Fluoranthene

Concen: 10.00 ng

RT: 14.03 min Scan# 1124

Delta R.T. -0.00 min

Lab File: BF079545.D

Acq: 28 May 2015 15:37

Instrument :

BNA_G

ClientSampleId :

TP-1-SS

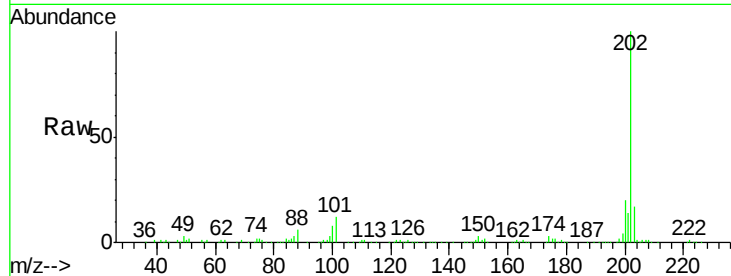
Tgt Ion:202 Resp: 149666

Ion Ratio Lower Upper

202 100

101 11.8 0.0 29.3

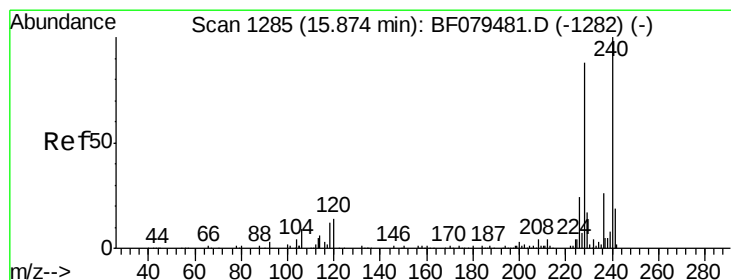
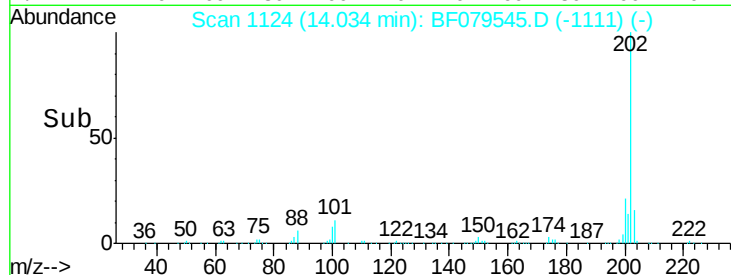
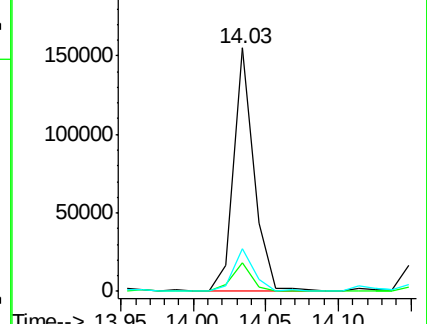
203 17.3 0.0 37.6



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: 15.82 min Scan# 1280

Delta R.T. -0.02 min

Lab File: BF079545.D

Acq: 28 May 2015 15:37

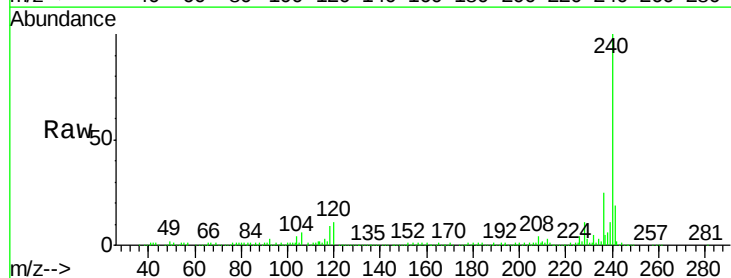
Tgt Ion:240 Resp: 253698

Ion Ratio Lower Upper

240 100

120 10.7 10.8 16.2#

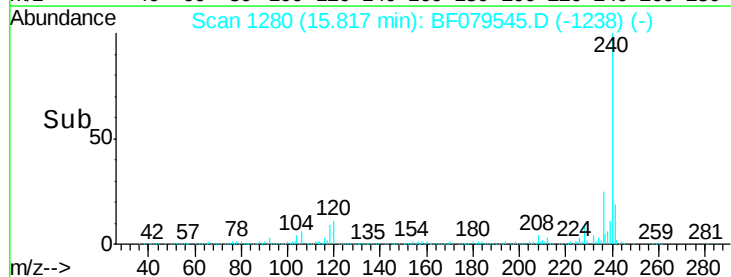
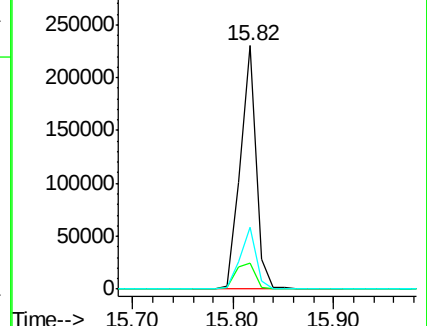
236 25.4 21.0 31.6

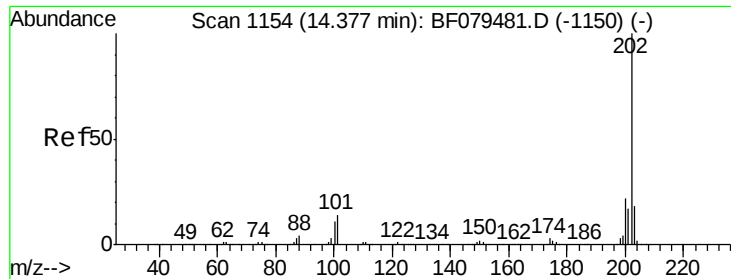


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 11.67 ng

RT: 14.31 min Scan# 1148

Delta R.T. -0.01 min

Lab File: BF079545.D

Acq: 28 May 2015 15:37

Instrument :

BNA_G

ClientSampleId :

TP-1-SS

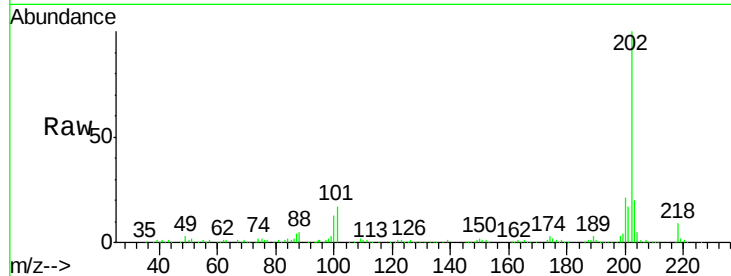
Tgt Ion: 202 Resp: 183363

Ion Ratio Lower Upper

202 100

200 20.8 17.5 26.3

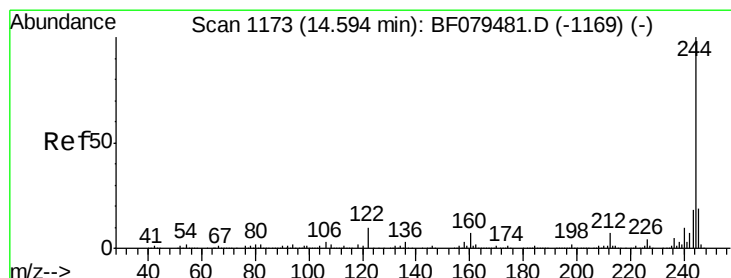
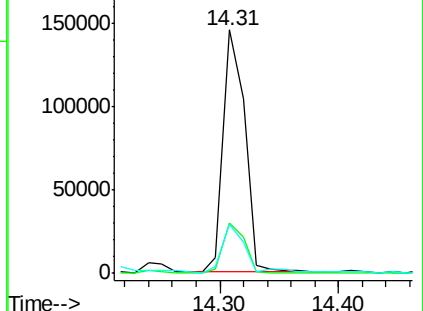
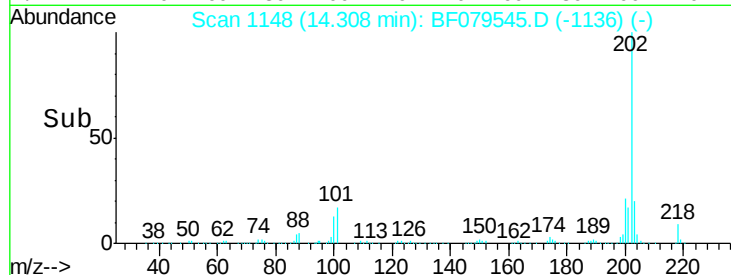
203 20.2 14.4 21.6



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: 63.04 ng

RT: 14.53 min Scan# 1167

Delta R.T. -0.01 min

Lab File: BF079545.D

Acq: 28 May 2015 15:37

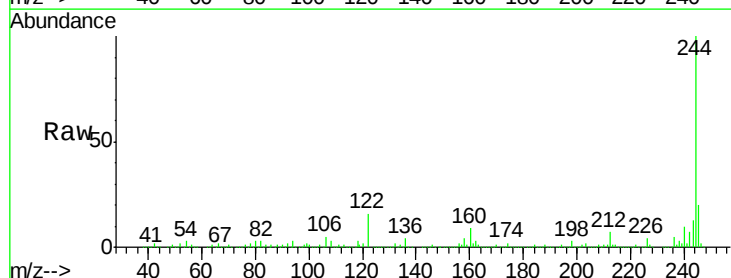
Tgt Ion: 244 Resp: 681444

Ion Ratio Lower Upper

244 100

212 6.9 5.2 7.8

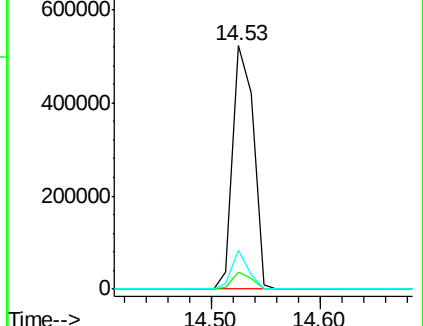
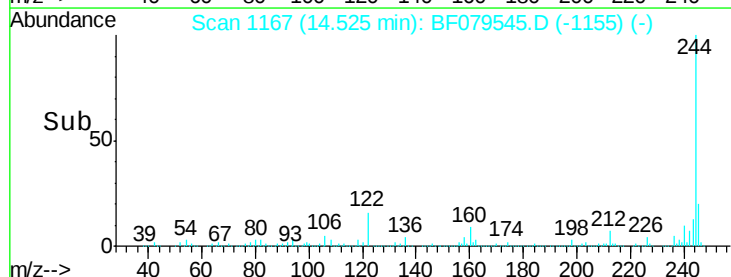
122 16.0 8.0 12.0#

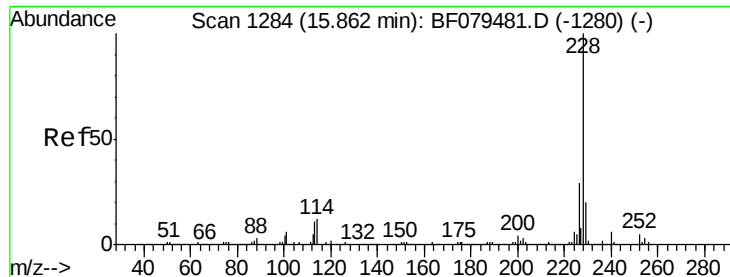


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 11.22 ng

RT: 15.85 min Scan# 1283

Delta R.T. 0.02 min

Lab File: BF079545.D

Acq: 28 May 2015 15:37

Instrument :

BNA_G

ClientSampled :

TP-1-SS

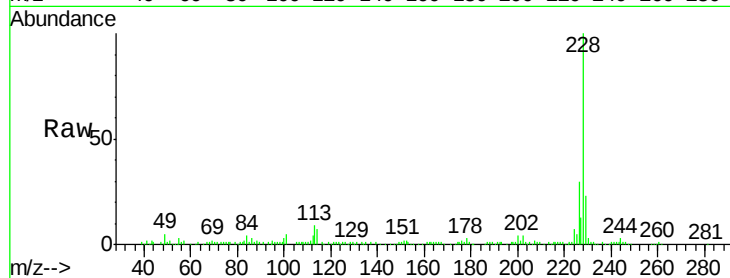
Tgt Ion:228 Resp: 163680

Ion Ratio Lower Upper

228 100

226 30.1 22.8 34.2

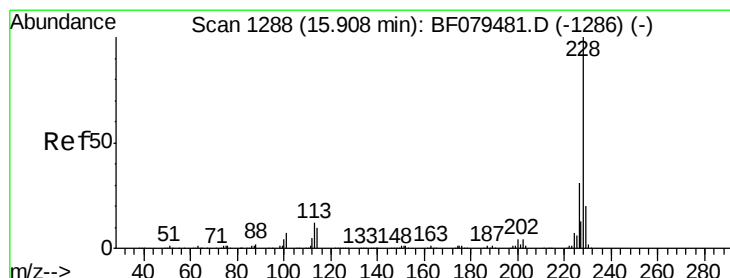
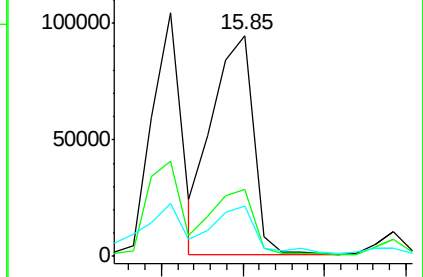
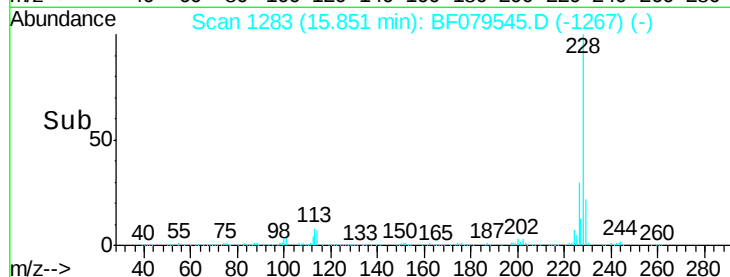
229 23.0 15.9 23.9



Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E



#82

Chrysene

Concen: 11.76 ng

RT: 15.85 min Scan# 1283

Delta R.T. -0.02 min

Lab File: BF079545.D

Acq: 28 May 2015 15:37

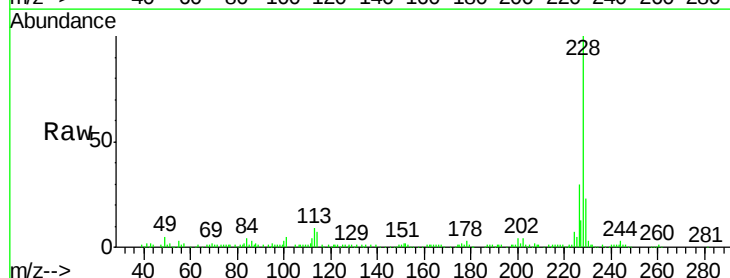
Tgt Ion:228 Resp: 163099

Ion Ratio Lower Upper

228 100

226 30.1 25.0 37.4

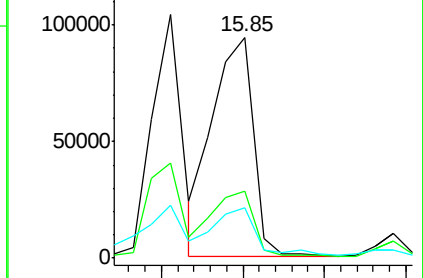
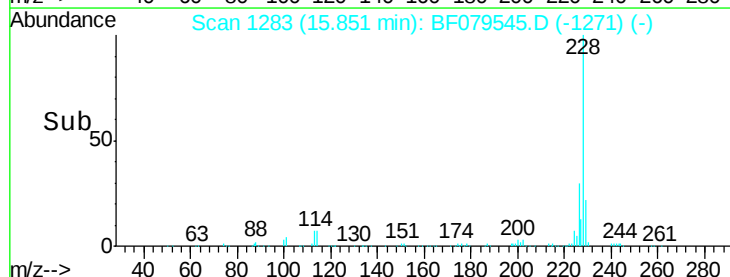
229 23.0 15.9 23.9

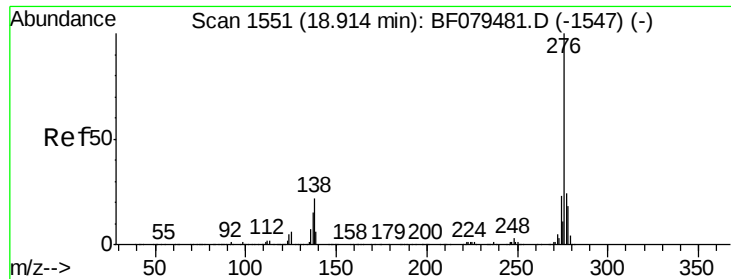


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

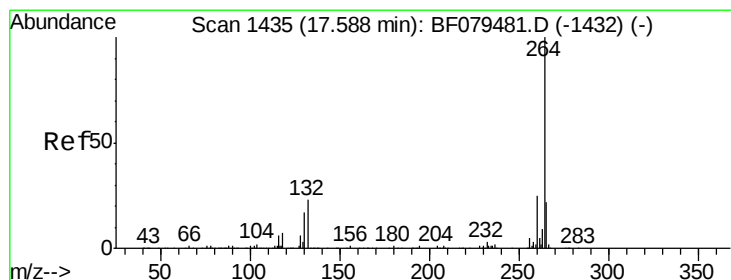
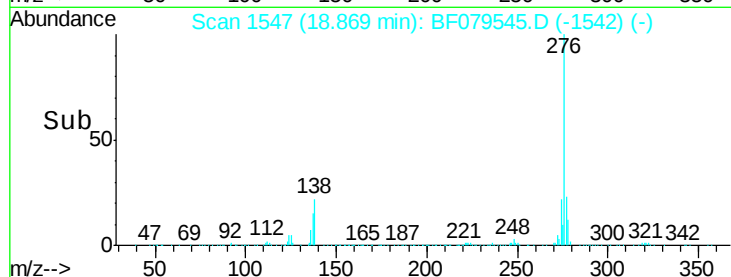
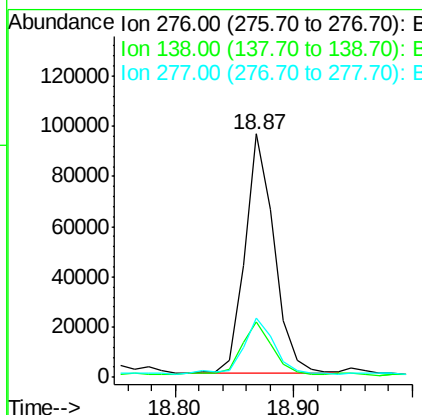
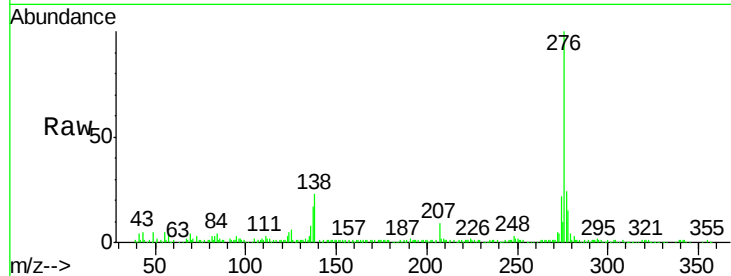




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 9.22 ng
 RT: 18.87 min Scan# 1547
 Delta R.T. -0.15 min
 Lab File: BF079545.D
 Acq: 28 May 2015 15:37

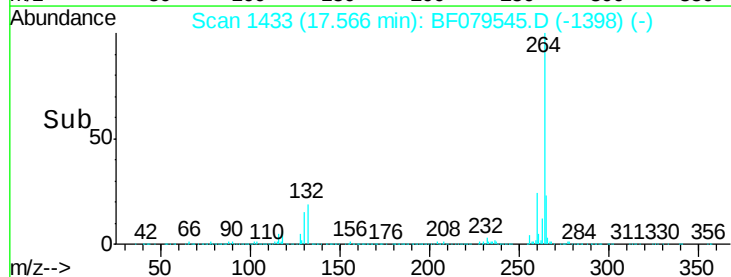
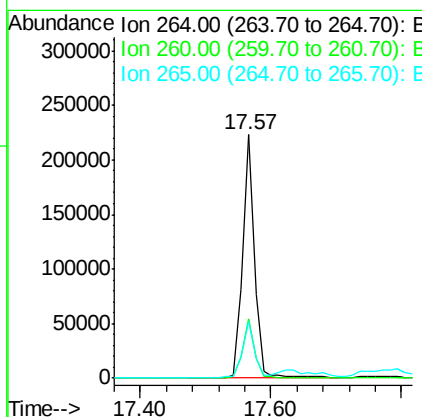
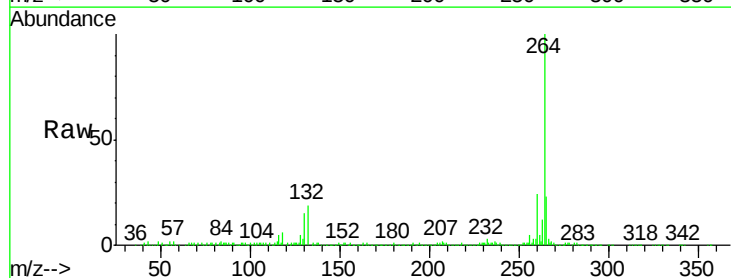
Instrument :
 BNA_G
 ClientSampleId :
 TP-1-SS

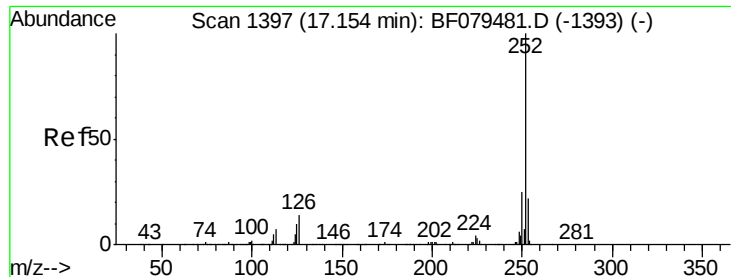
Tgt Ion: 276 Resp: 164458
 Ion Ratio Lower Upper
 276 100
 138 22.3 21.4 32.2
 277 24.4 19.8 29.6



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.57 min Scan# 1433
 Delta R.T. -0.10 min
 Lab File: BF079545.D
 Acq: 28 May 2015 15:37

Tgt Ion: 264 Resp: 279060
 Ion Ratio Lower Upper
 264 100
 260 24.4 19.8 29.8
 265 23.2 17.8 26.6





#87

Benzo(b)fluoranthene

Concen: 28.52 ng

RT: 17.12 min Scan# 1394

Delta R.T. -0.08 min

Lab File: BF079545.D

Acq: 28 May 2015 15:37

Instrument :

BNA_G

ClientSampleId :

TP-1-SS

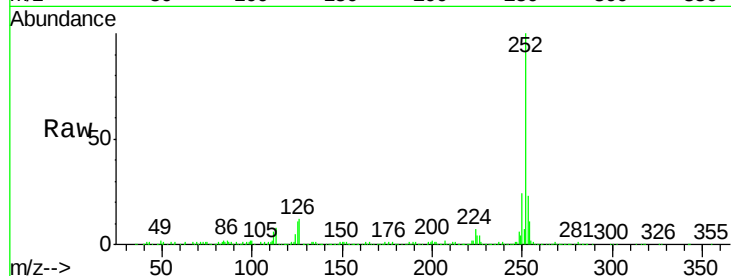
Tgt Ion:252 Resp: 453890

Ion Ratio Lower Upper

252 100

253 23.1 17.6 26.4

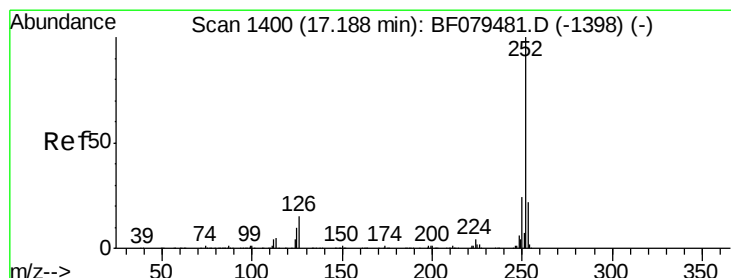
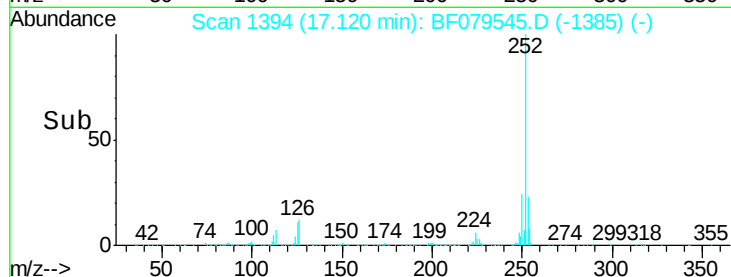
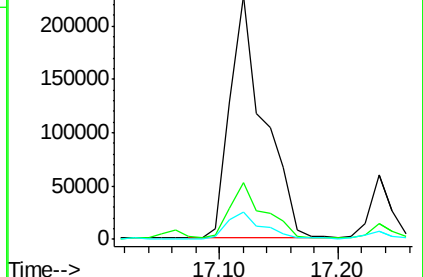
125 11.2 7.8 11.6



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



#88

Benzo(k)fluoranthene

Concen: 31.89 ng

RT: 17.12 min Scan# 1394

Delta R.T. -0.11 min

Lab File: BF079545.D

Acq: 28 May 2015 15:37

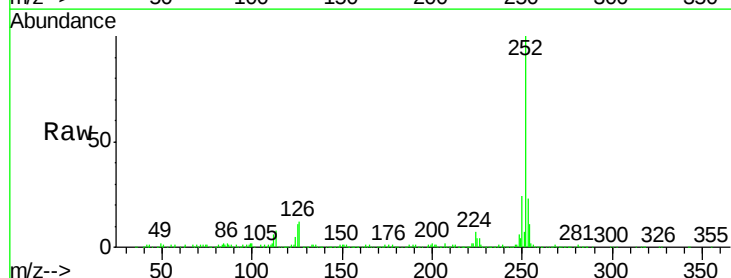
Tgt Ion:252 Resp: 453890

Ion Ratio Lower Upper

252 100

253 23.1 17.2 25.8

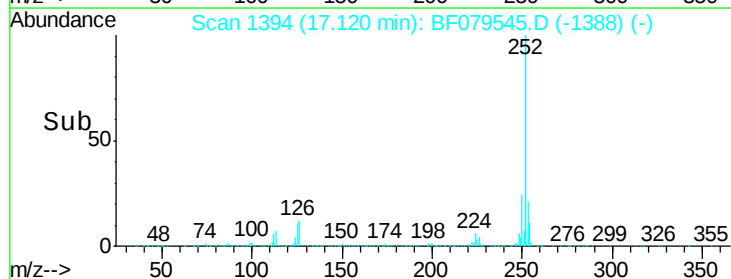
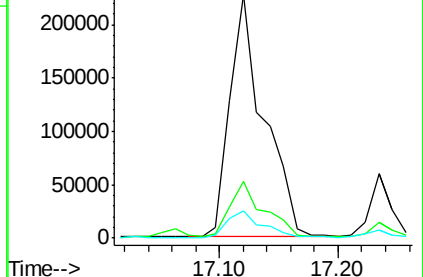
125 11.2 6.8 10.2#

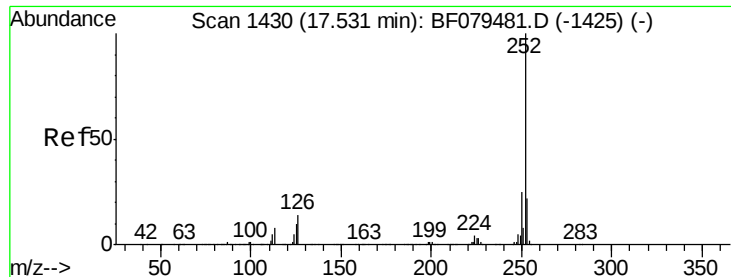


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 12.41 ng

RT: 17.50 min Scan# 1427

Delta R.T. -0.11 min

Lab File: BF079545.D

Acq: 28 May 2015 15:37

Instrument :

BNA_G

ClientSampleId :

TP-1-SS

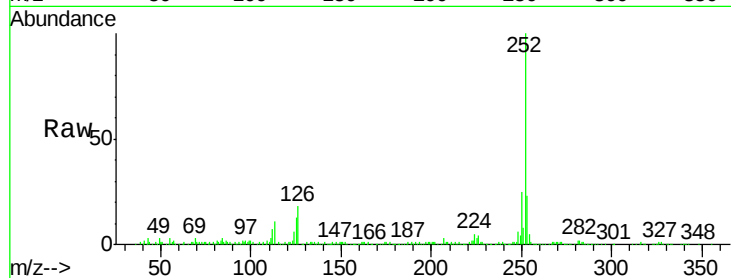
Tgt Ion:252 Resp: 192620

Ion Ratio Lower Upper

252 100

253 23.2 17.8 26.8

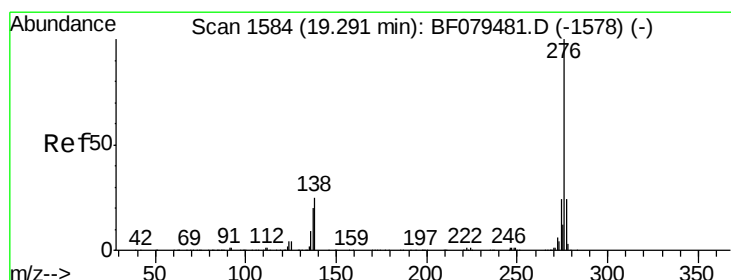
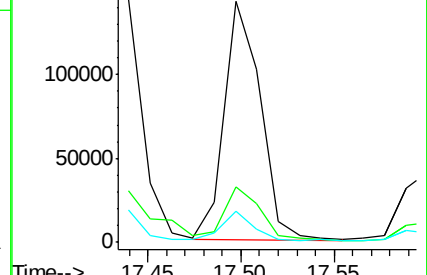
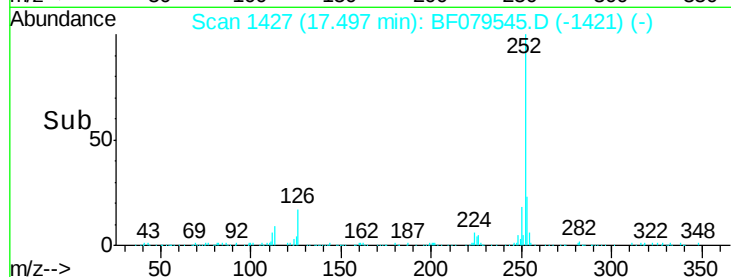
125 13.0 7.9 11.9#



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: 9.34 ng

RT: 19.25 min Scan# 1580

Delta R.T. -0.16 min

Lab File: BF079545.D

Acq: 28 May 2015 15:37

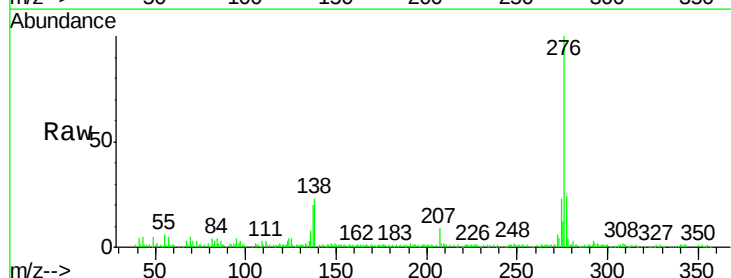
Tgt Ion:276 Resp: 162997

Ion Ratio Lower Upper

276 100

277 23.9 19.1 28.7

138 23.1 20.1 30.1



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

