

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052615\
 Data File : BF079492.D
 Acq On : 26 May 2015 23:19
 Operator : TP/IZ
 Sample : G2289-11 2X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-30S

Quant Time: May 27 01:21:14 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue May 26 19:25:27 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	94103	20.00	ng	0.00
21) Naphthalene-d8	8.59	136	391503	20.00	ng	0.00
38) Acenaphthene-d10	10.77	164	188312	20.00	ng	0.00
63) Phenanthrene-d10	12.59	188	363653	20.00	ng	0.00
75) Chrysene-d12	15.87	240	378462	20.00	ng	0.00
86) Perylene-d12	17.57	264	425672	20.00	ng	-0.02

System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	304293	56.09	ng	0.00
7) Phenol-d6	6.62	99	433621	62.70	ng	0.00
23) Nitrobenzene-d5	7.71	82	250769	37.03	ng	0.00
41) 2,4,6-Tribromophenol	11.75	330	130310	63.00	ng	0.00
44) 2-Fluorobiphenyl	9.94	172	517470	39.20	ng	0.00
78) Terphenyl-d14	14.59	244	589188	36.54	ng	0.00

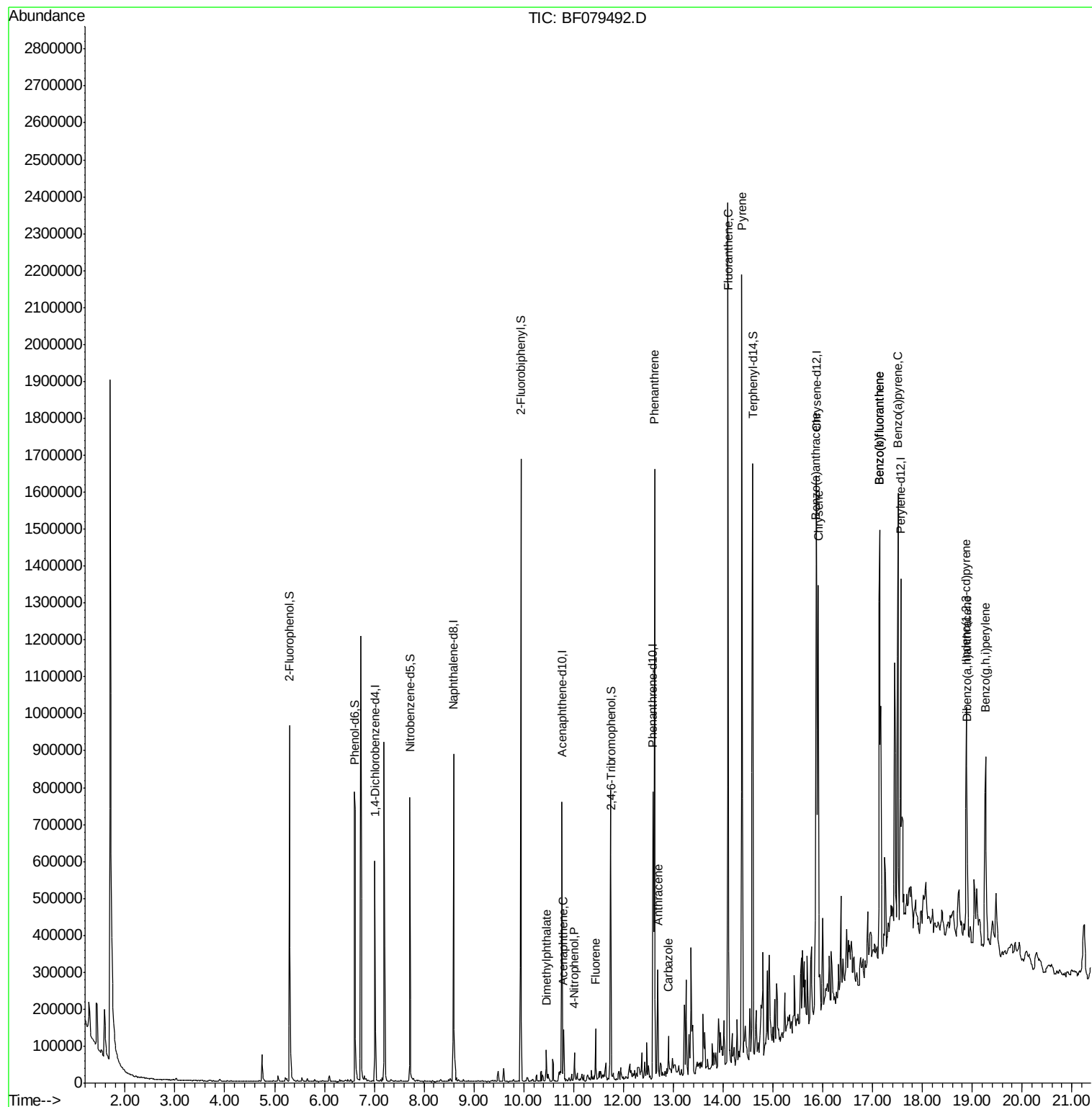
Target Compounds				Qvalue		
9) Benzaldehyde	6.48	77	1691	Below Cal	#	81
49) Dimethylphthalate	10.46	163	38353	2.76	ng	98
51) Acenaphthene	10.80	154	30414	2.76	ng	98
55) 4-Nitrophenol	11.02	139	11307	5.65	ng	# 12
57) Fluorene	11.44	166	39848	2.97	ng	95
70) Phenanthrene	12.63	178	642627	32.21	ng	99
71) Anthracene	12.70	178	174617	8.62	ng	99
72) Carbazole	12.90	167	47584	2.44	ng	96
73) Di-n-butylphthalate	13.36	149	4372	Below Cal	#	37
74) Fluoranthene	14.10	202	1008403	47.13	ng	97
77) Pyrene	14.38	202	936336	39.93	ng	96
80) Benzo(a)anthracene	15.86	228	587679	26.99	ng	97
82) Chrysene	15.91	228	474029	22.91	ng	97
85) Indeno(1,2,3-cd)pyrene	18.88	276	433214	16.28	ng	93
87) Benzo(b)fluoranthene	17.14	252	1038421	42.77	ng	97
88) Benzo(k)fluoranthene	17.14	252	1038421	47.83	ng	# 96
89) Benzo(a)pyrene	17.51	252	609803	27.91	ng	98
90) Dibenzo(a,h)anthracene	18.89	278	100120	3.08	ng	# 90
91) Benzo(g,h,i)perylene	19.27	276	421553	18.10	ng	97

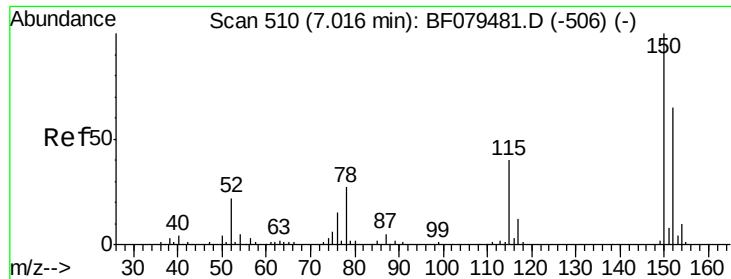
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 7.02 min Scan# 510

Delta R.T. 0.00 min

Lab File: BF079492.D

Acq: 26 May 2015 23:19

Instrument :

BNA_F

ClientSampleId :

SB-30S

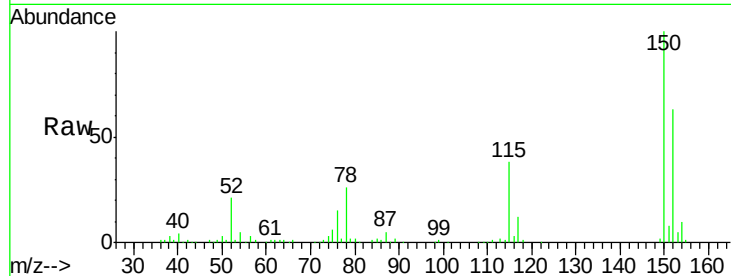
Tgt Ion:152 Resp: 94103

Ion Ratio Lower Upper

152 100

150 158.1 124.0 186.0

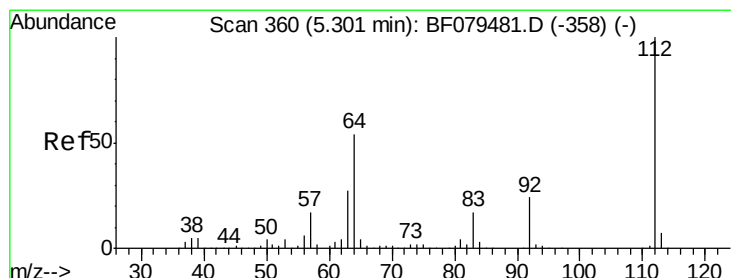
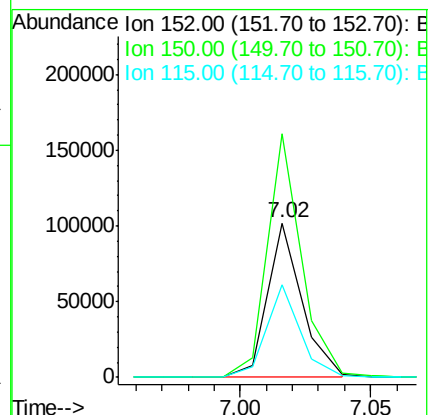
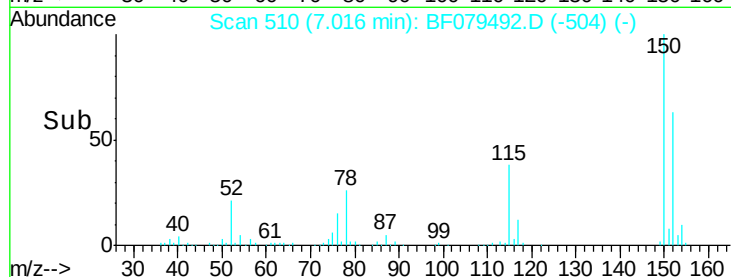
115 60.0 49.6 74.4



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: 56.09 ng

RT: 5.30 min Scan# 360

Delta R.T. 0.00 min

Lab File: BF079492.D

Acq: 26 May 2015 23:19

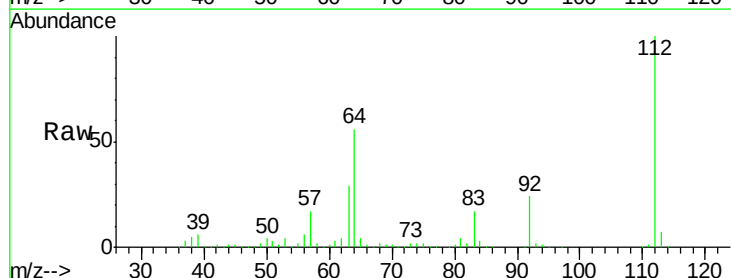
Tgt Ion:112 Resp: 304293

Ion Ratio Lower Upper

112 100

64 56.3 43.5 65.3

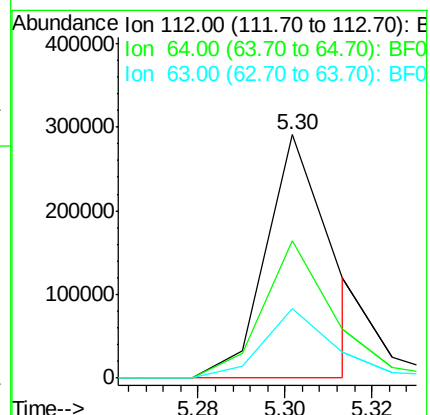
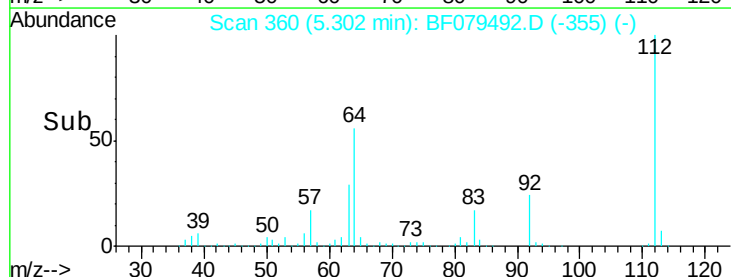
63 28.6 21.8 32.8

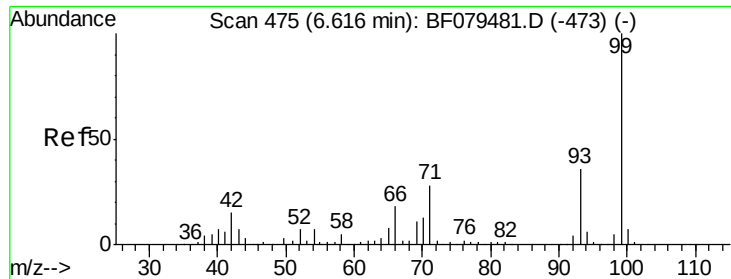


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 62.70 ng

RT: 6.62 min Scan# 475

Delta R.T. 0.00 min

Lab File: BF079492.D

Acq: 26 May 2015 23:19

Instrument :

BNA_F

ClientSampleId :

SB-30S

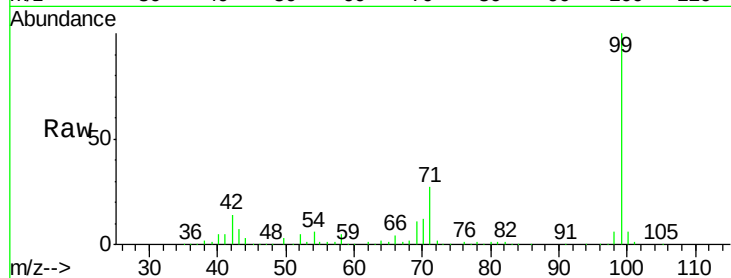
Tgt Ion: 99 Resp: 433621

Ion Ratio Lower Upper

99 100

42 14.1 11.9 17.9

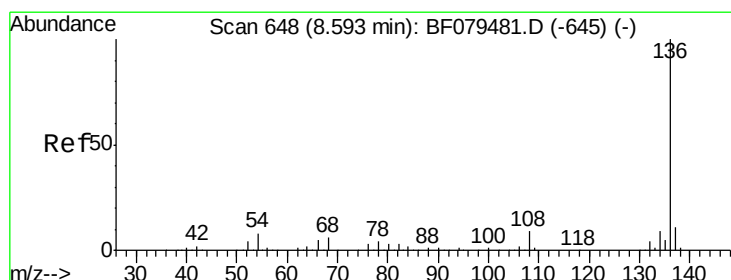
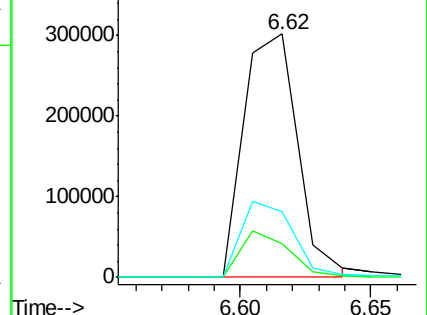
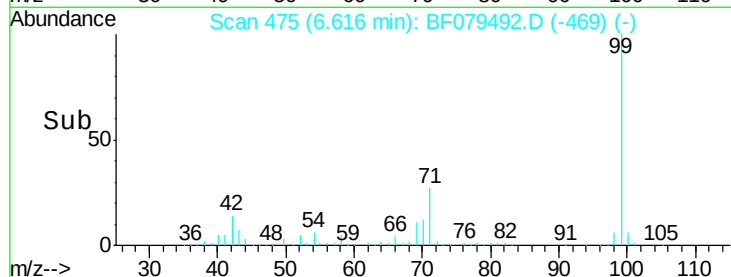
71 27.1 22.1 33.1



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: 8.59 min Scan# 648

Delta R.T. 0.00 min

Lab File: BF079492.D

Acq: 26 May 2015 23:19

Tgt Ion: 136 Resp: 391503

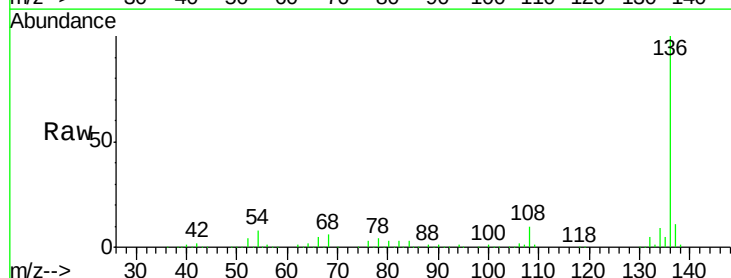
Ion Ratio Lower Upper

136 100

137 10.9 8.5 12.7

54 7.6 6.6 9.8

68 6.0 4.7 7.1

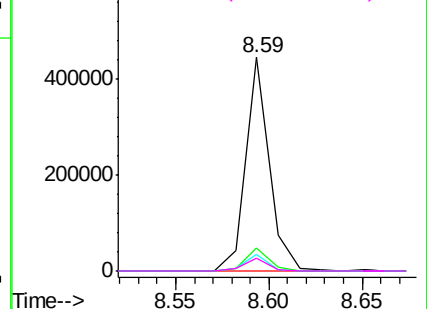
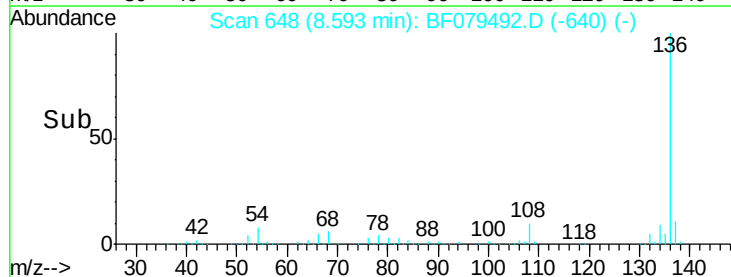


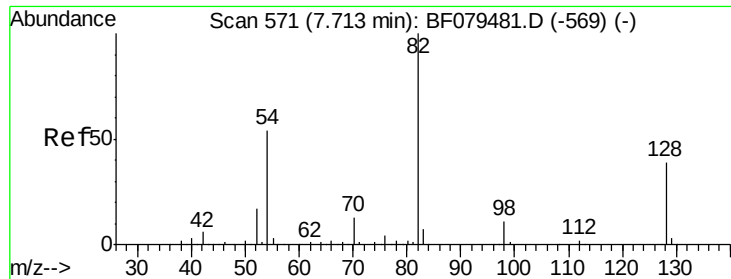
Abundance Ion 136.00 (135.70 to 136.70): E

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

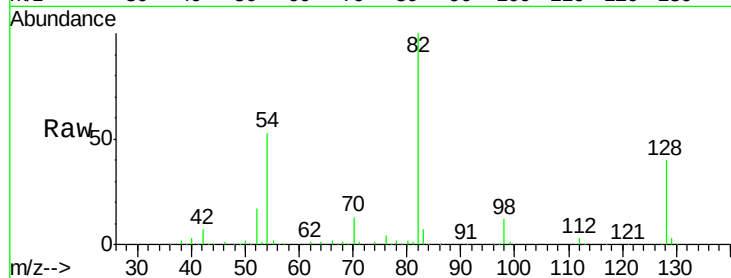




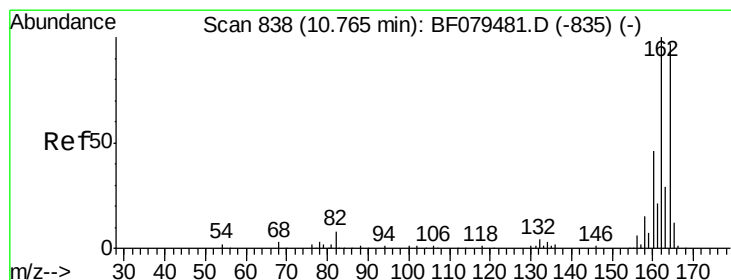
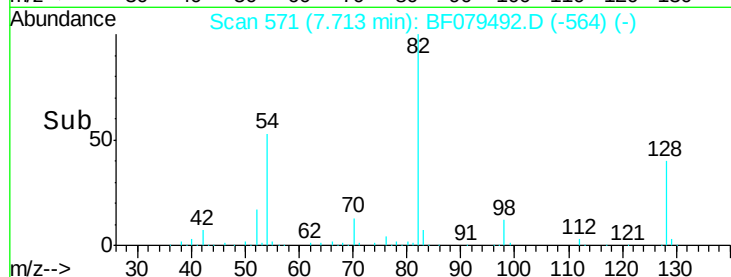
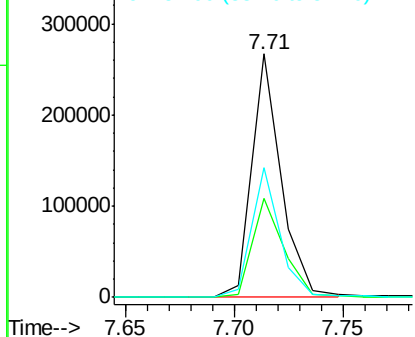
#23
 Nitrobenzene-d5
 Concen: 37.03 ng
 RT: 7.71 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: BF079492.D
 Acq: 26 May 2015 23:19

Instrument :
 BNA_F
 ClientSampleId :
 SB-30S

Tgt Ion: 82 Resp: 250769
 Ion Ratio Lower Upper
 82 100
 128 40.4 30.8 46.2
 54 53.5 42.8 64.2

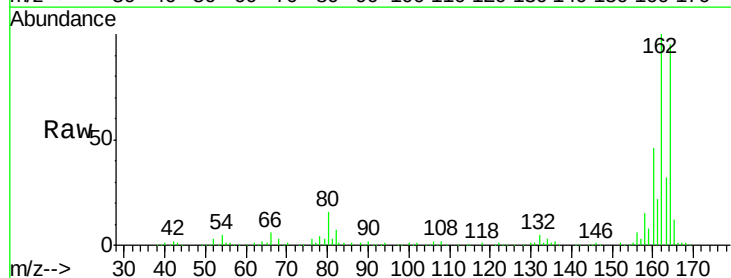


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

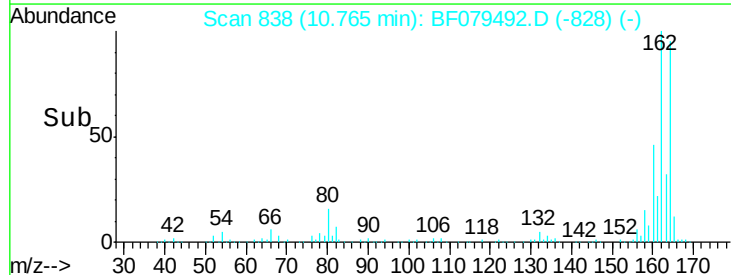
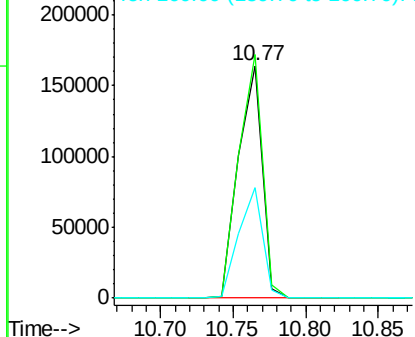


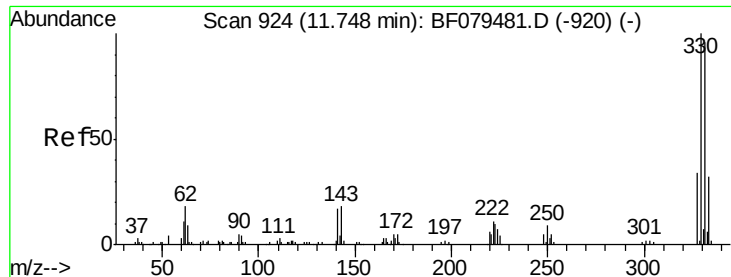
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.77 min Scan# 838
 Delta R.T. 0.00 min
 Lab File: BF079492.D
 Acq: 26 May 2015 23:19

Tgt Ion: 164 Resp: 188312
 Ion Ratio Lower Upper
 164 100
 162 104.8 82.6 124.0
 160 47.8 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

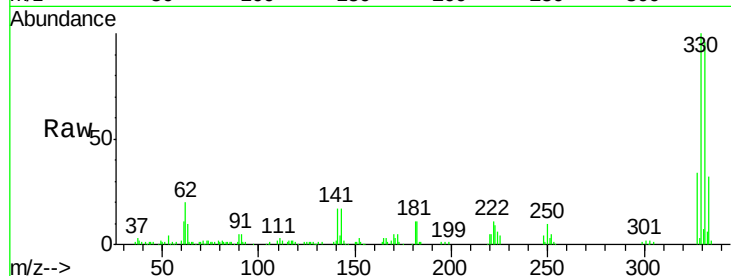




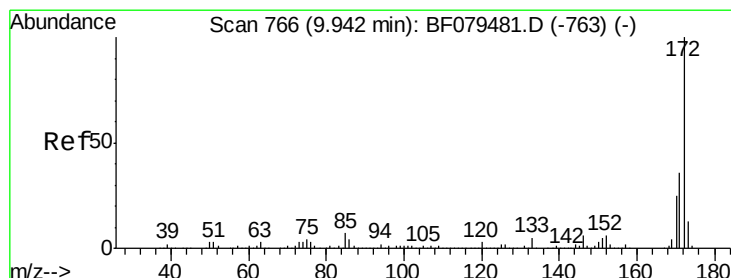
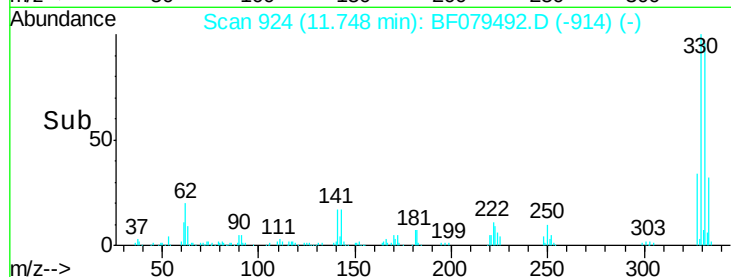
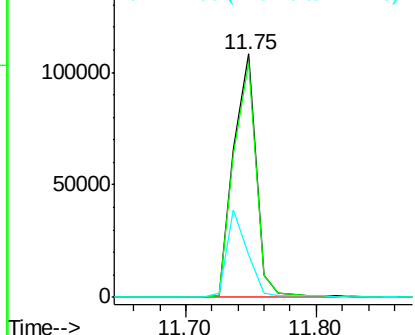
#41
 2,4,6-Tribromophenol
 Concen: 63.00 ng
 RT: 11.75 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: BF079492.D
 Acq: 26 May 2015 23:19

Instrument :
 BNA_F
 ClientSampleId :
 SB-30S

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	0.0	0.0#
141	33.9	0.0	0.0#

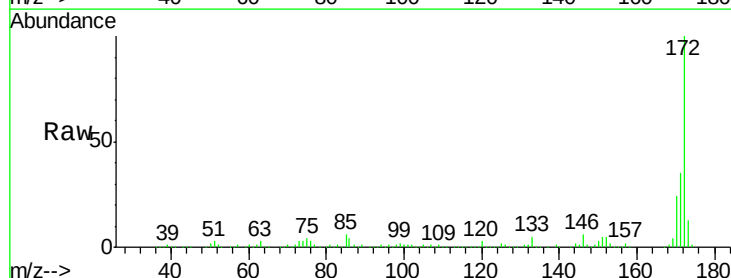


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

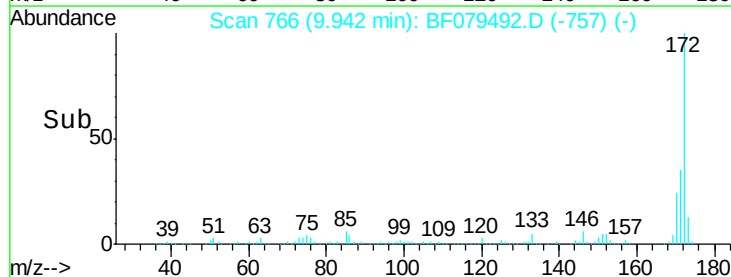
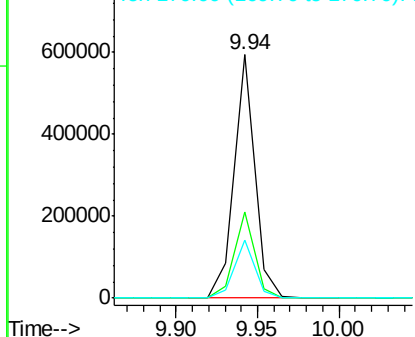


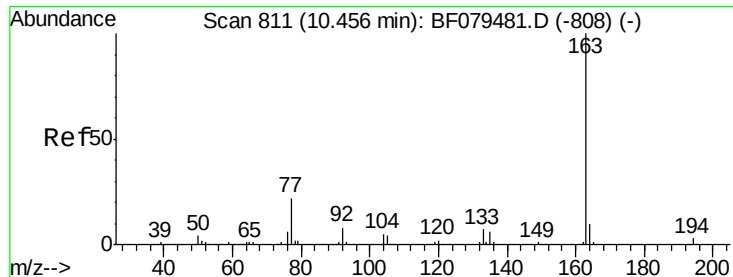
#44
 2-Fluorobiphenyl
 Concen: 39.20 ng
 RT: 9.94 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: BF079492.D
 Acq: 26 May 2015 23:19

Tgt Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.5	42.7
170	24.1	19.7	29.5



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: 2.76 ng

RT: 10.46 min Scan# 811

Delta R.T. 0.00 min

Lab File: BF079492.D

Acq: 26 May 2015 23:19

Instrument :

BNA_F

ClientSampleId :

SB-30S

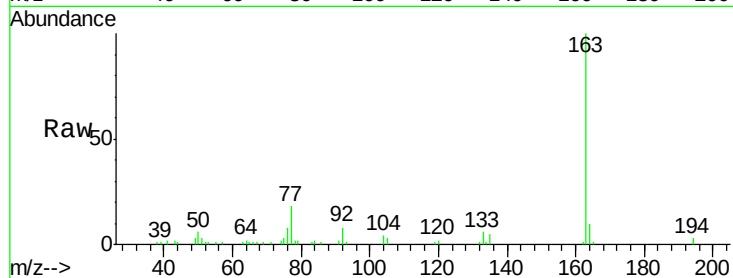
Tgt Ion:163 Resp: 38353

Ion Ratio Lower Upper

163 100

194 3.5 2.4 3.6

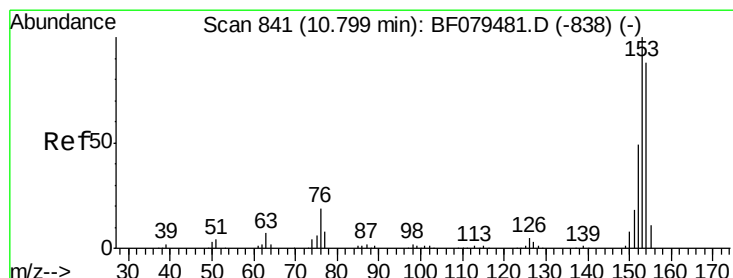
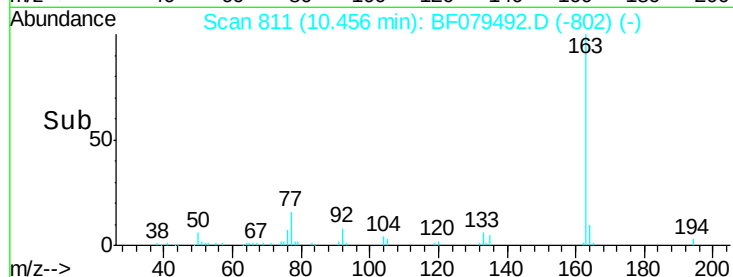
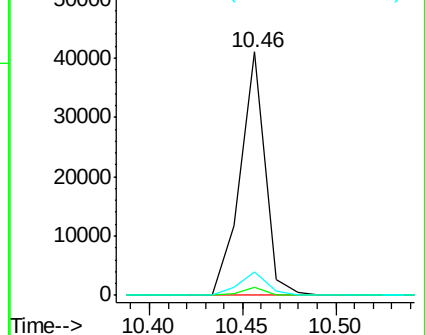
164 9.7 8.2 12.4



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



#51

Acenaphthene

Concen: 2.76 ng

RT: 10.80 min Scan# 841

Delta R.T. 0.00 min

Lab File: BF079492.D

Acq: 26 May 2015 23:19

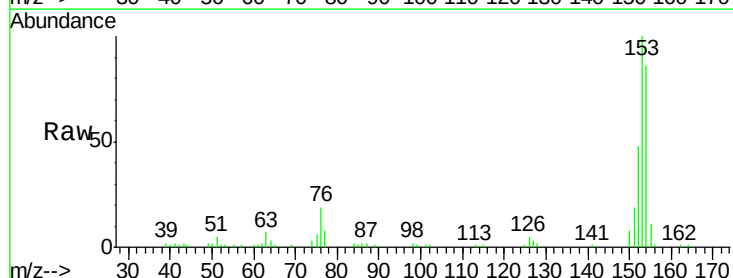
Tgt Ion:154 Resp: 30414

Ion Ratio Lower Upper

154 100

153 116.4 91.1 136.7

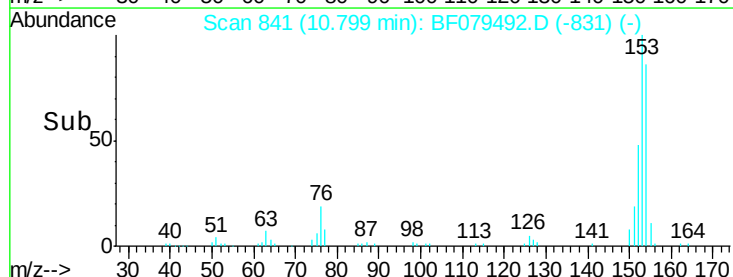
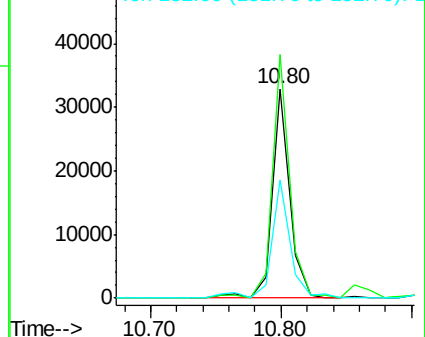
152 56.3 44.6 66.8

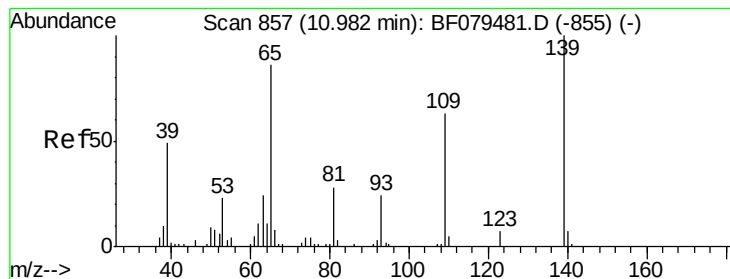


Abundance Ion 154.00 (153.70 to 154.70): E

Ion 153.00 (152.70 to 153.70): E

Ion 152.00 (151.70 to 152.70): E





#55

4-Nitrophenol

Concen: 5.65 ng

RT: 11.02 min Scan# 860

Delta R.T. 0.03 min

Lab File: BF079492.D

Acq: 26 May 2015 23:19

Instrument :

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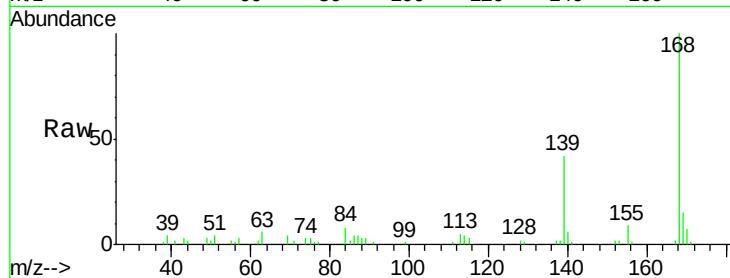
Tgt Ion:139 Resp: 11307

Ion Ratio Lower Upper

139 100

109 0.0 42.8 82.8#

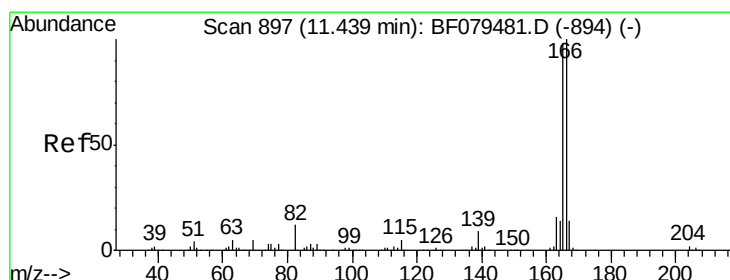
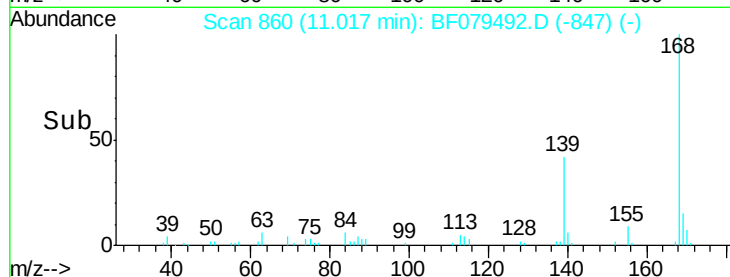
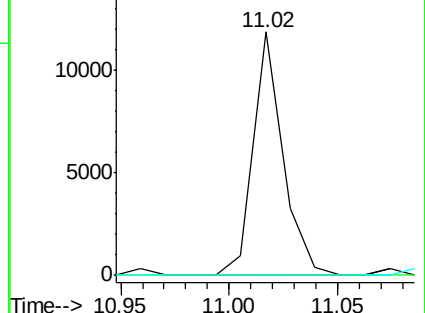
65 0.0 66.3 106.3#



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



#57

Fluorene

Concen: 2.97 ng

RT: 11.44 min Scan# 897

Delta R.T. 0.00 min

Lab File: BF079492.D

Acq: 26 May 2015 23:19

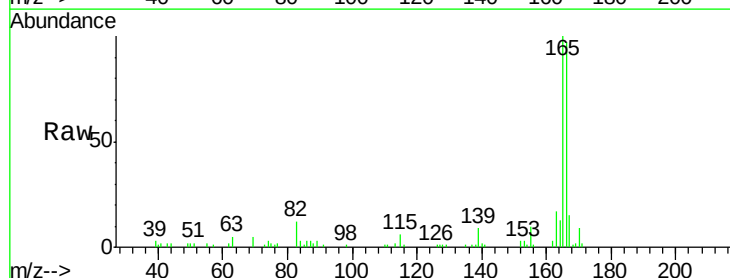
Tgt Ion:166 Resp: 39848

Ion Ratio Lower Upper

166 100

165 103.6 78.6 117.8

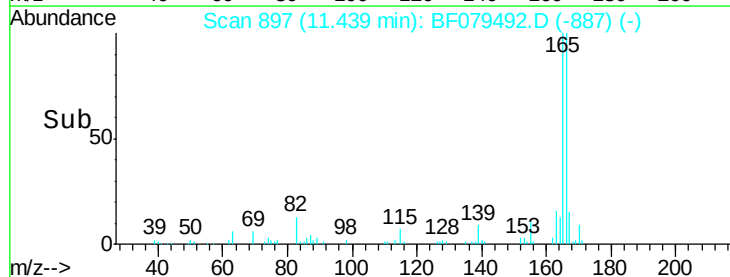
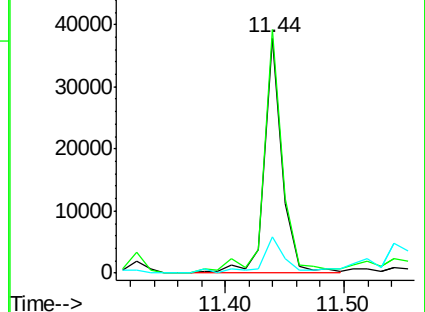
167 15.6 10.8 16.2

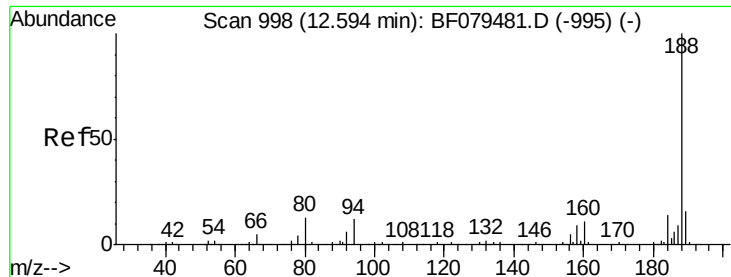


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

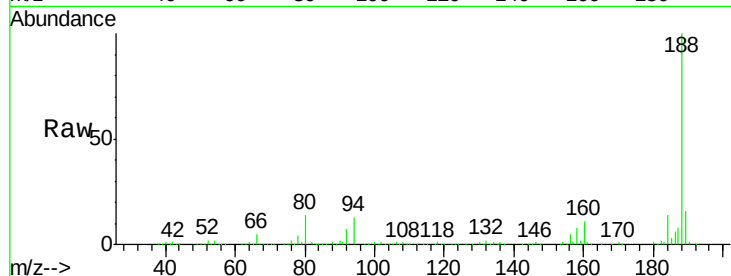




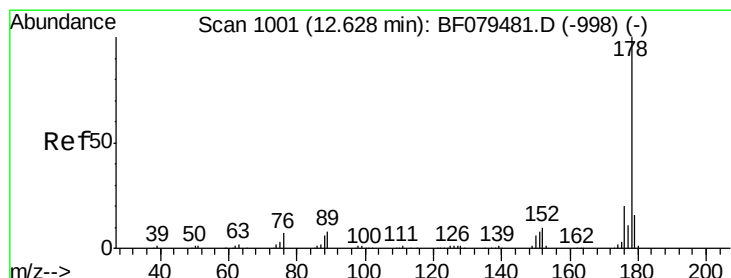
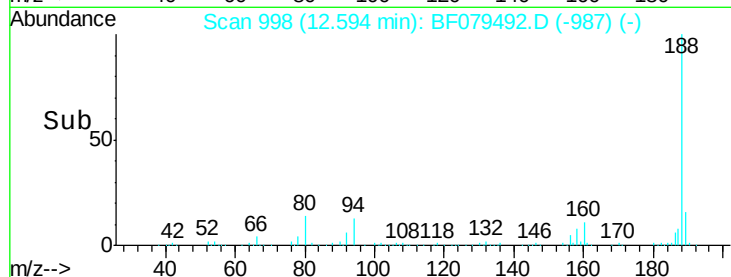
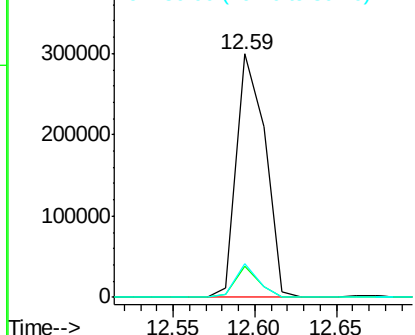
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.59 min Scan# 998
Delta R.T. 0.00 min
Lab File: BF079492.D
Acq: 26 May 2015 23:19

Instrument :
BNA_F
ClientSampleId :
SB-30S

Tgt Ion:188 Resp: 363653
Ion Ratio Lower Upper
188 100
94 12.9 9.8 14.6
80 13.7 10.5 15.7

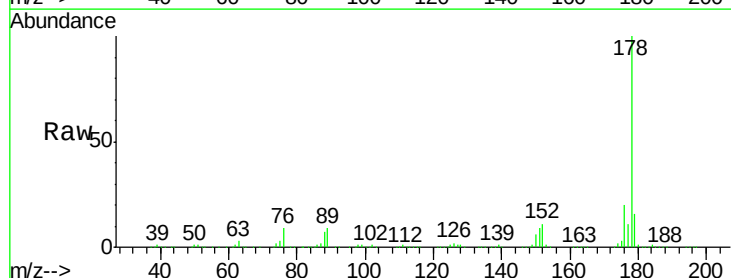


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

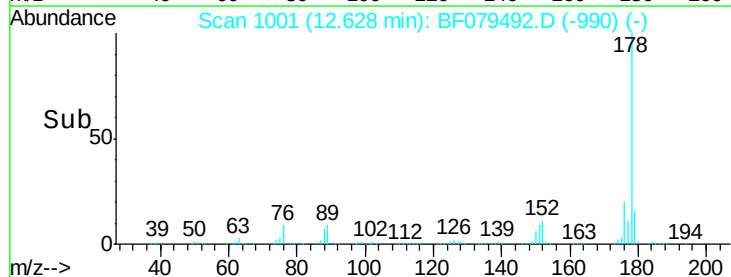
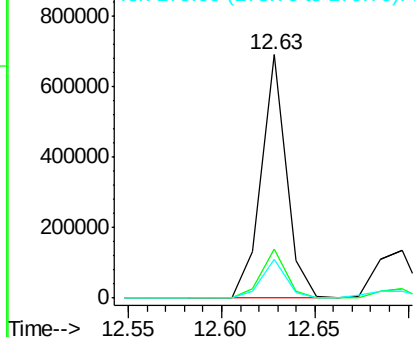


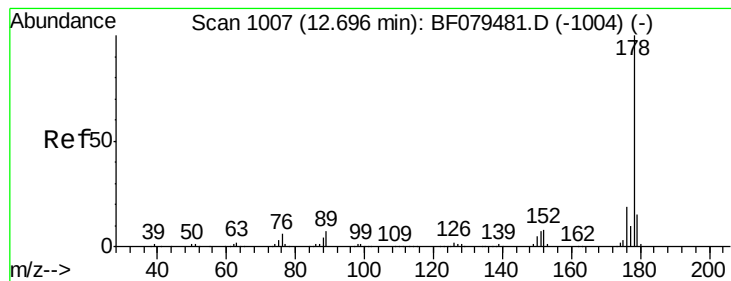
#70
Phenanthrene
Concen: 32.21 ng
RT: 12.63 min Scan# 1001
Delta R.T. 0.00 min
Lab File: BF079492.D
Acq: 26 May 2015 23:19

Tgt Ion:178 Resp: 642627
Ion Ratio Lower Upper
178 100
176 20.1 15.7 23.5
179 15.9 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: 8.62 ng

RT: 12.70 min Scan# 1007

Delta R.T. 0.00 min

Lab File: BF079492.D

Acq: 26 May 2015 23:19

Instrument :

BNA_F

ClientSampleId :

SB-30S

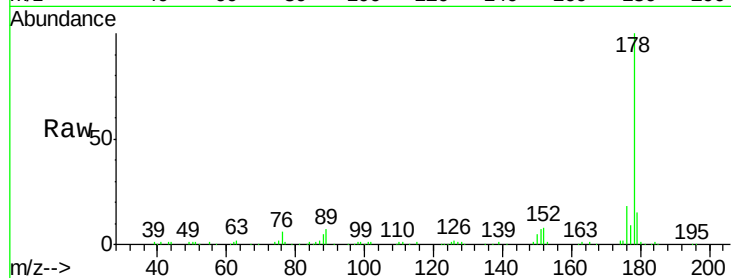
Tgt Ion:178 Resp: 174617

Ion Ratio Lower Upper

178 100

176 18.4 15.3 22.9

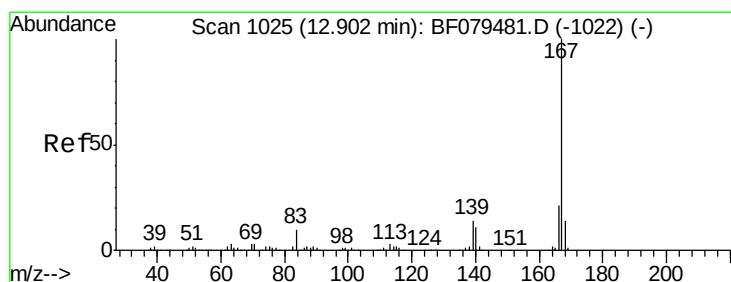
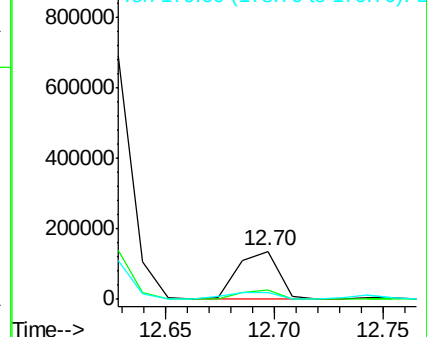
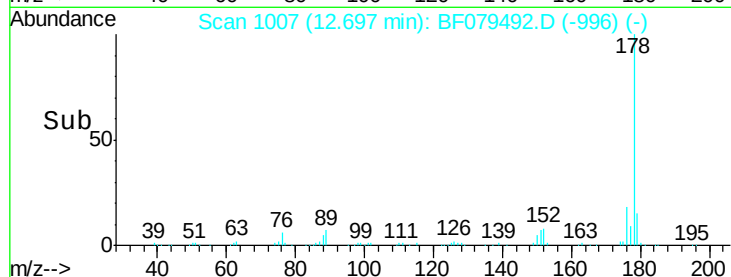
179 14.8 12.2 18.4



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



#72

Carbazole

Concen: 2.44 ng

RT: 12.90 min Scan# 1025

Delta R.T. 0.00 min

Lab File: BF079492.D

Acq: 26 May 2015 23:19

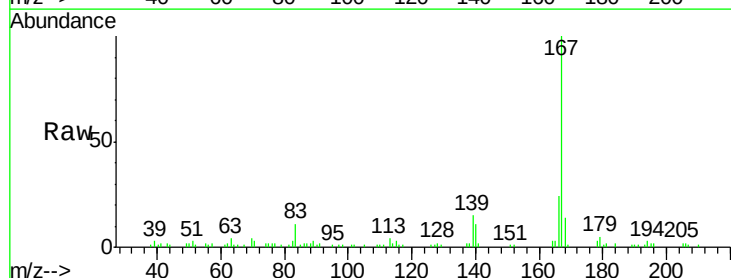
Tgt Ion:167 Resp: 47584

Ion Ratio Lower Upper

167 100

166 23.7 17.0 25.4

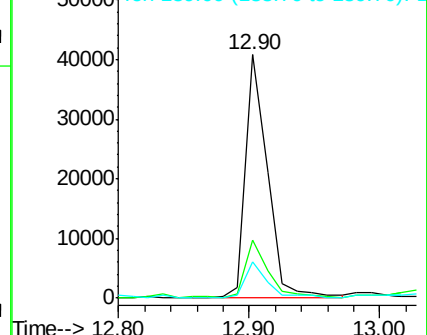
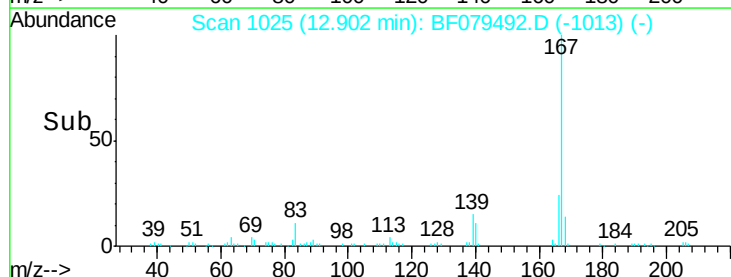
139 14.7 11.2 16.8

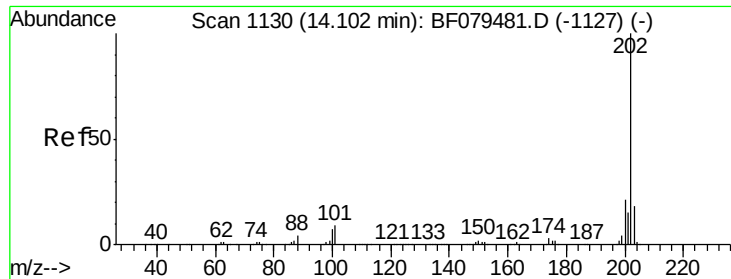


Abundance Ion 167.00 (166.70 to 167.70): E

Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E





#74

Fluoranthene

Concen: 47.13 ng

RT: 14.10 min Scan# 1130

Delta R.T. 0.00 min

Lab File: BF079492.D

Acq: 26 May 2015 23:19

Instrument :

BNA_F

ClientSampleId :

SB-30S

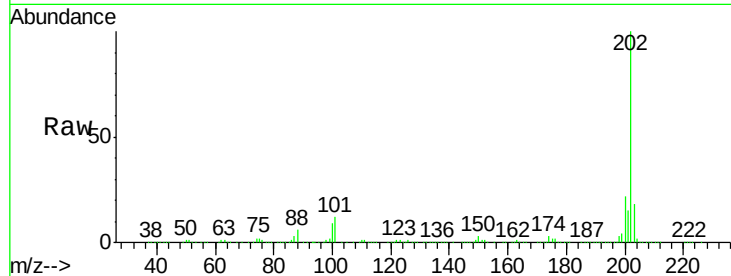
Tgt Ion:202 Resp: 1008403

Ion Ratio Lower Upper

202 100

101 12.1 0.0 29.3

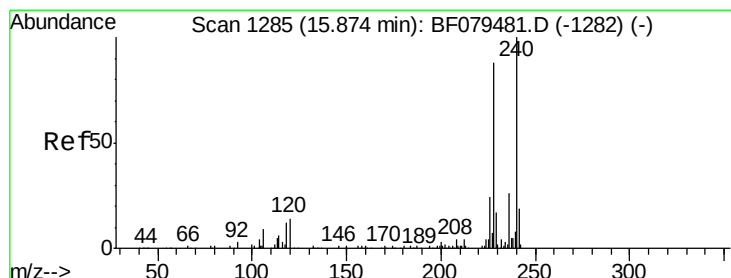
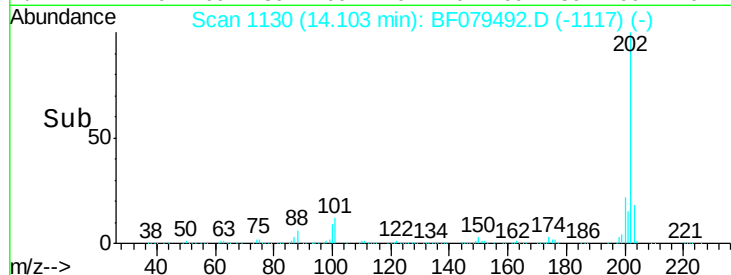
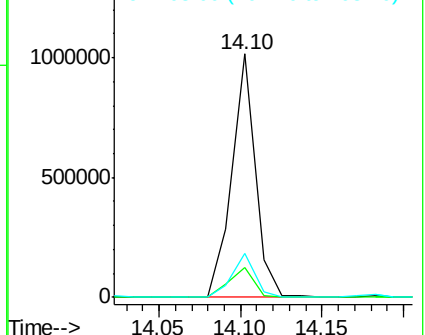
203 18.1 0.0 37.6



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: 15.87 min Scan# 1285

Delta R.T. 0.00 min

Lab File: BF079492.D

Acq: 26 May 2015 23:19

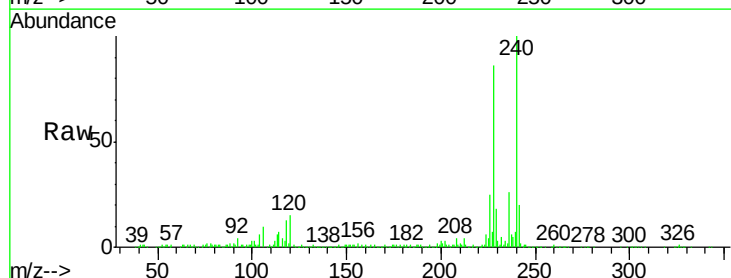
Tgt Ion:240 Resp: 378462

Ion Ratio Lower Upper

240 100

120 15.5 10.8 16.2

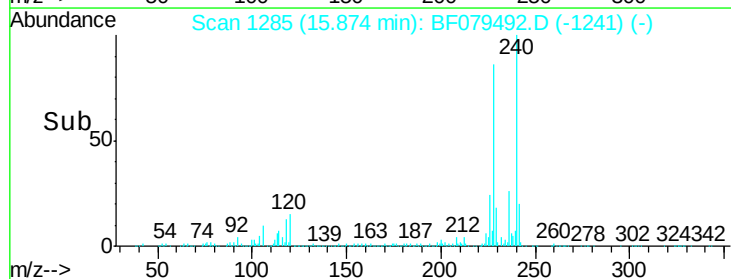
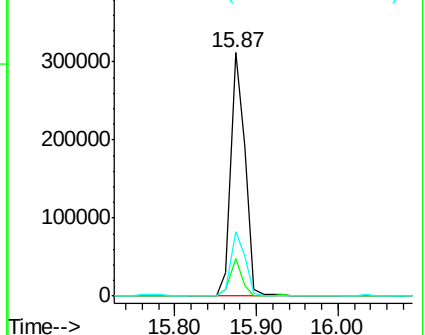
236 26.2 21.0 31.6

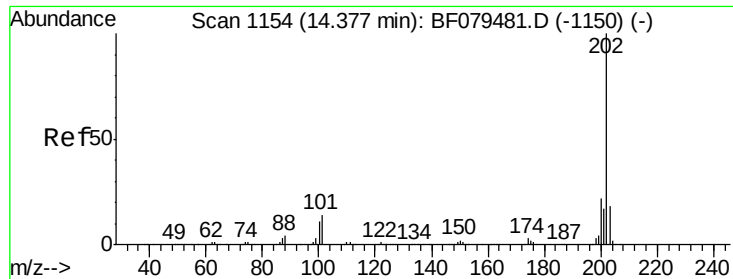


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 39.93 ng

RT: 14.38 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BF079492.D

Acq: 26 May 2015 23:19

Instrument :

BNA_F

ClientSampled :

SB-30S

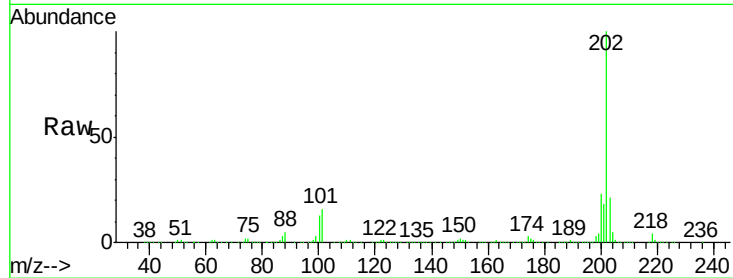
Tgt Ion:202 Resp: 936336

Ion Ratio Lower Upper

202 100

200 22.6 17.5 26.3

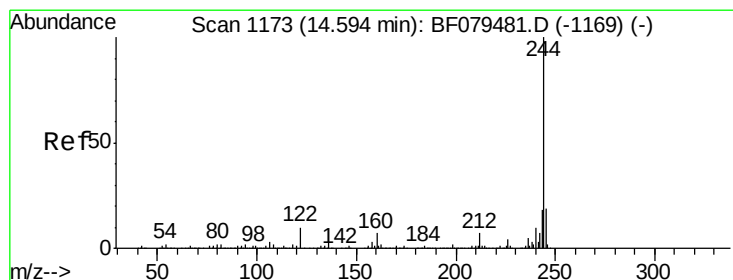
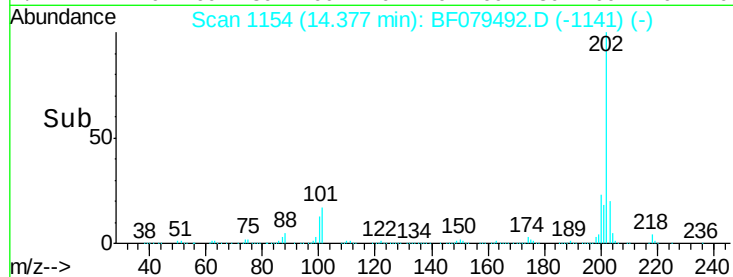
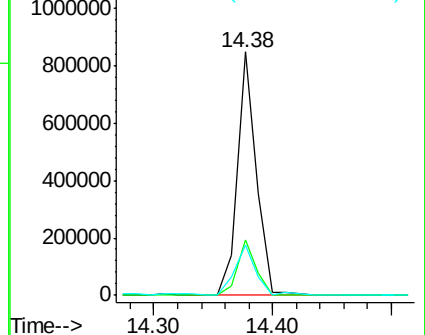
203 20.8 14.4 21.6



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: 36.54 ng

RT: 14.59 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BF079492.D

Acq: 26 May 2015 23:19

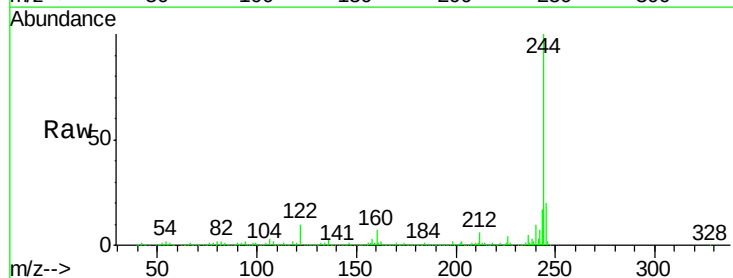
Tgt Ion:244 Resp: 589188

Ion Ratio Lower Upper

244 100

212 6.4 5.2 7.8

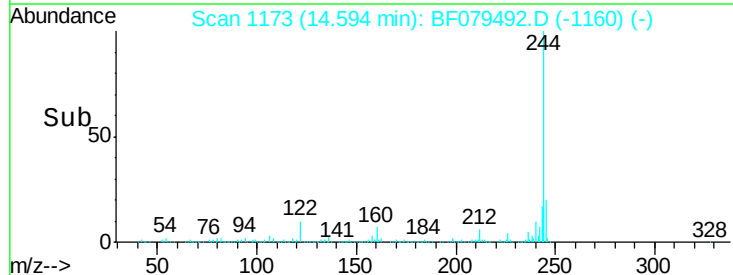
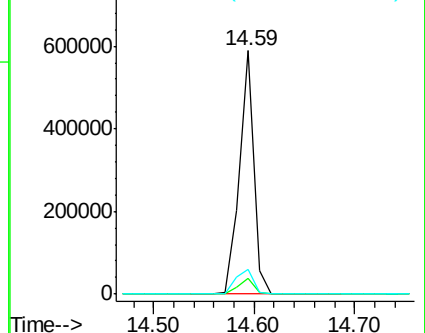
122 10.3 8.0 12.0

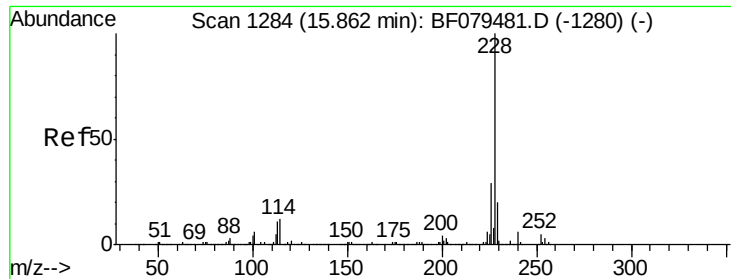


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 26.99 ng

RT: 15.86 min Scan# 1284

Delta R.T. 0.00 min

Lab File: BF079492.D

Acq: 26 May 2015 23:19

Instrument :

BNA_F

ClientSampleId :

SB-30S

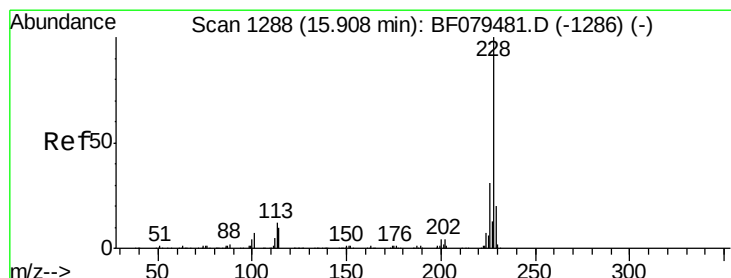
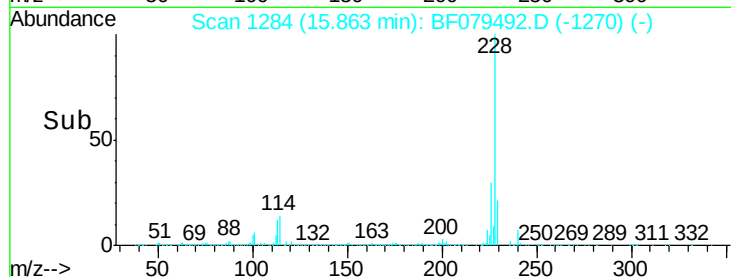
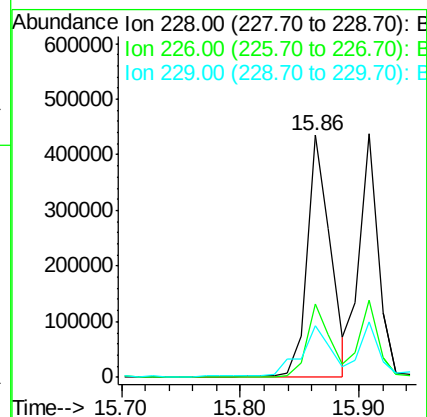
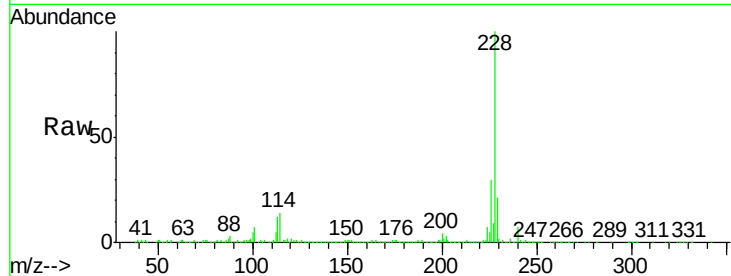
Tgt Ion:228 Resp: 587679

Ion Ratio Lower Upper

228 100

226 30.3 22.8 34.2

229 21.2 15.9 23.9



#82

Chrysene

Concen: 22.91 ng

RT: 15.91 min Scan# 1288

Delta R.T. 0.00 min

Lab File: BF079492.D

Acq: 26 May 2015 23:19

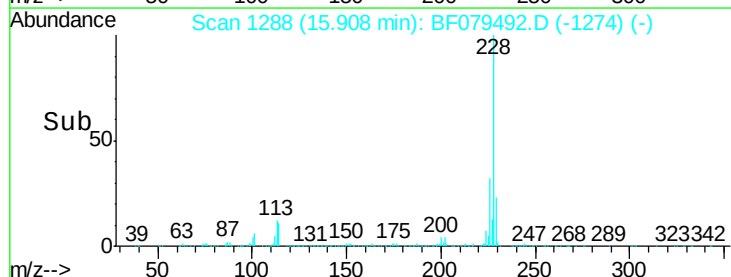
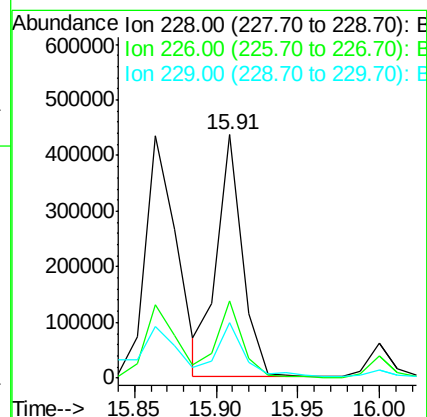
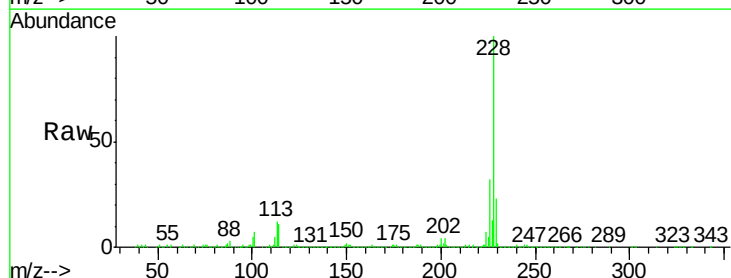
Tgt Ion:228 Resp: 474029

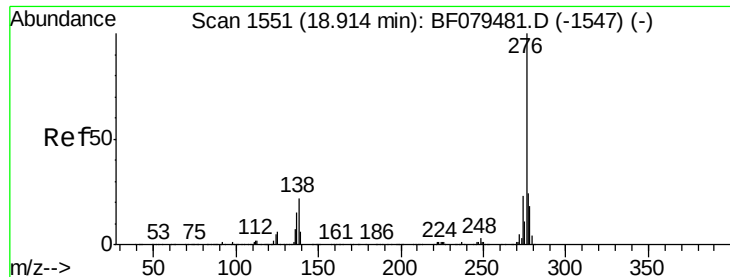
Ion Ratio Lower Upper

228 100

226 31.7 25.0 37.4

229 22.9 15.9 23.9





#85

Indeno(1,2,3-cd)pyrene

Concen: 16.28 ng

RT: 18.88 min Scan# 1548

Delta R.T. -0.03 min

Lab File: BF079492.D

Acq: 26 May 2015 23:19

Instrument :

BNA_F

ClientSampleId :

SB-30S

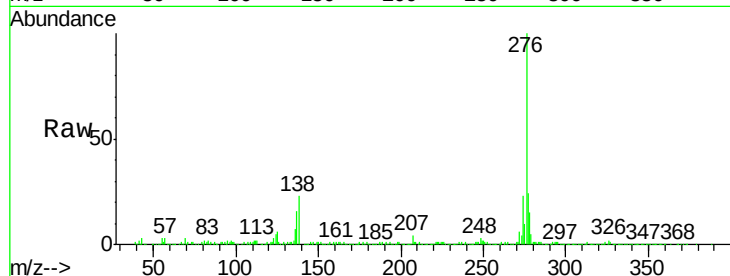
Tgt Ion:276 Resp: 433214

Ion Ratio Lower Upper

276 100

138 23.7 21.4 32.2

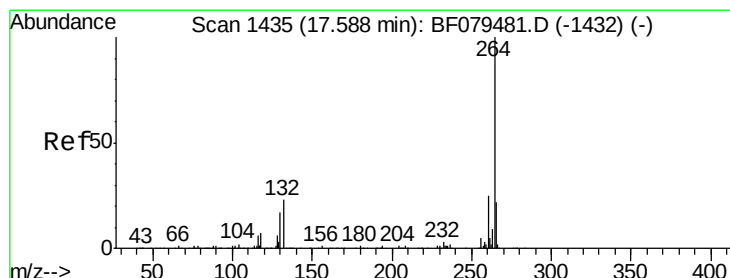
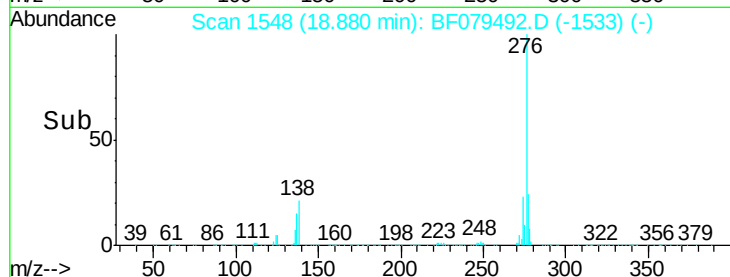
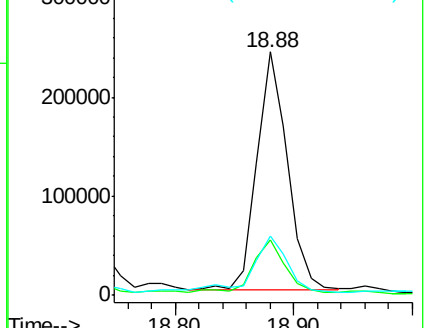
277 28.2 19.8 29.6



Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.57 min Scan# 1433

Delta R.T. -0.02 min

Lab File: BF079492.D

Acq: 26 May 2015 23:19

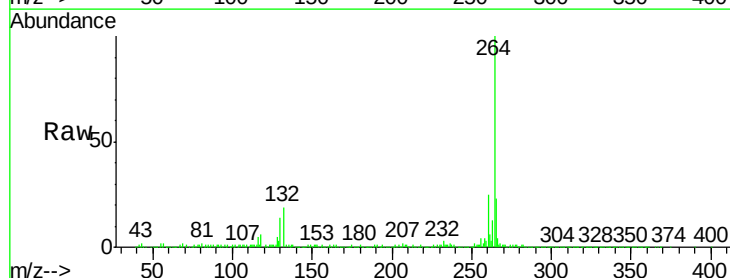
Tgt Ion:264 Resp: 425672

Ion Ratio Lower Upper

264 100

260 24.9 19.8 29.8

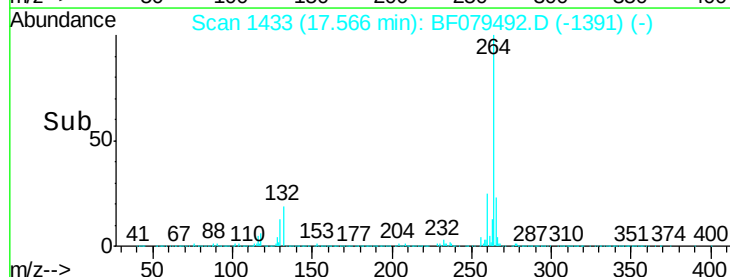
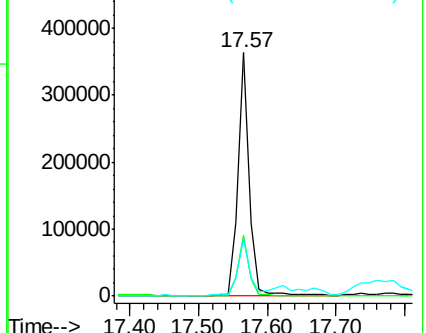
265 23.2 17.8 26.6

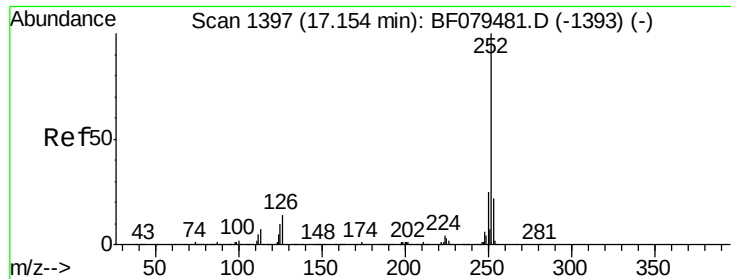


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 42.77 ng

RT: 17.14 min Scan# 1396

Delta R.T. -0.01 min

Lab File: BF079492.D

Acq: 26 May 2015 23:19

Instrument :

BNA_F

ClientSampleId :

SB-30S

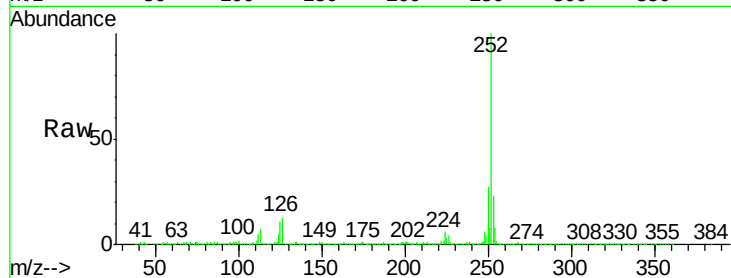
Tgt Ion:252 Resp: 1038421

Ion Ratio Lower Upper

252 100

253 22.9 17.6 26.4

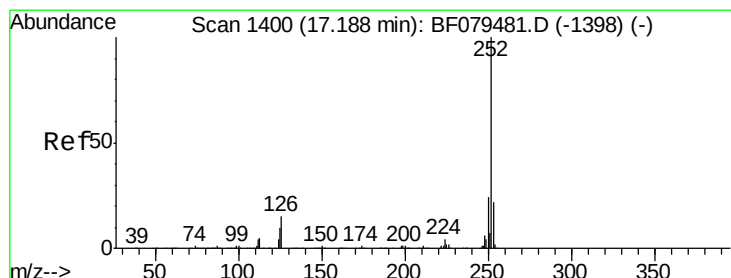
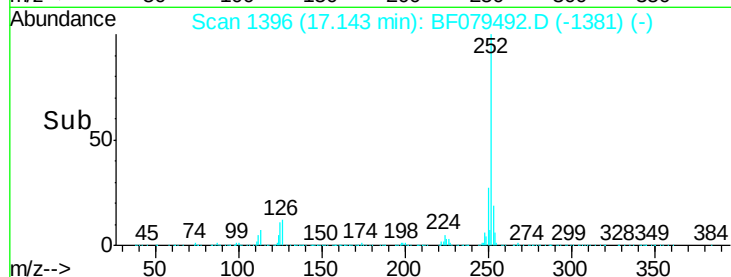
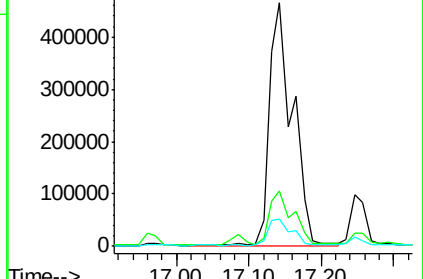
125 11.4 7.8 11.6



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: 47.83 ng

RT: 17.14 min Scan# 1396

Delta R.T. -0.05 min

Lab File: BF079492.D

Acq: 26 May 2015 23:19

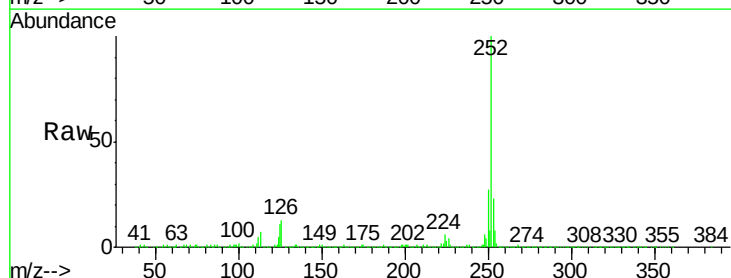
Tgt Ion:252 Resp: 1038421

Ion Ratio Lower Upper

252 100

253 22.9 17.2 25.8

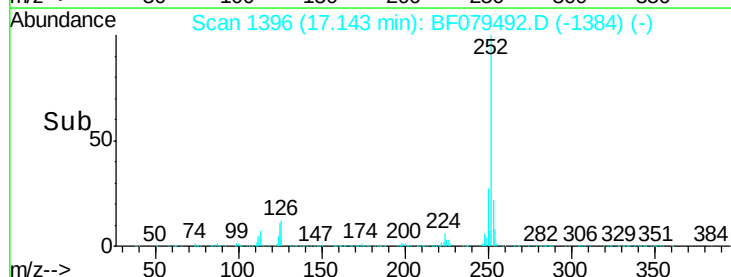
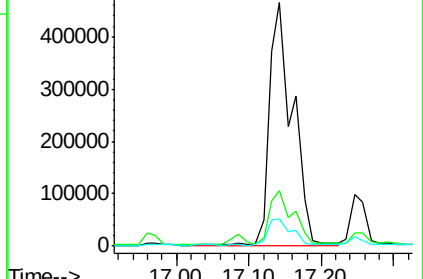
125 11.4 6.8 10.2#

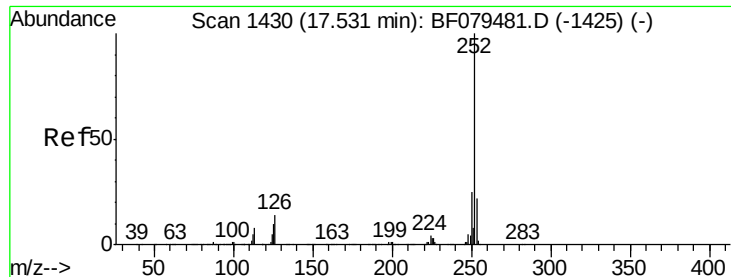


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

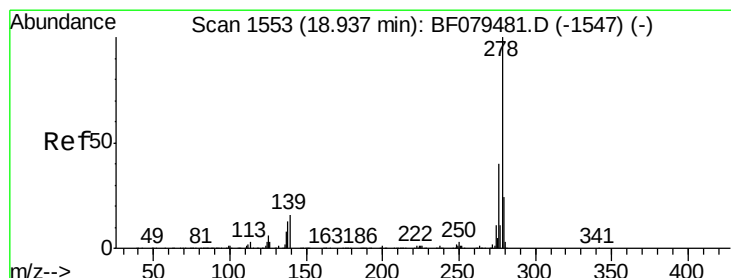
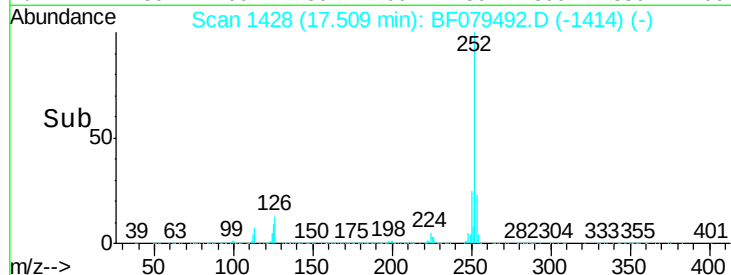
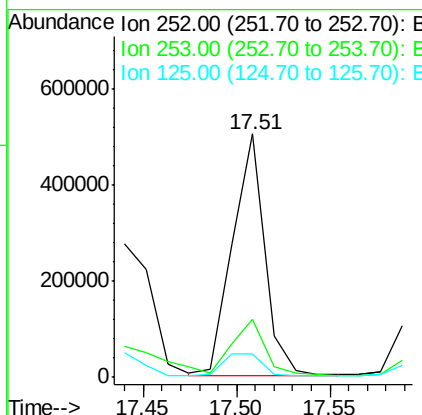
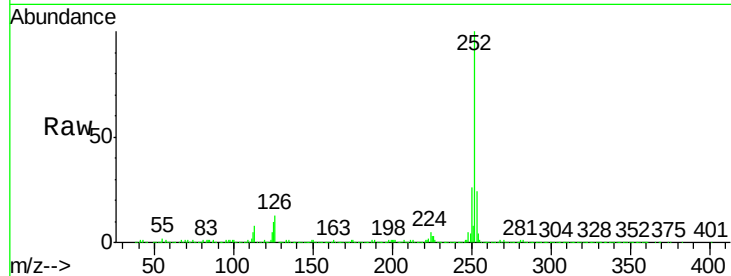




#89
Benzo(a)pyrene
Concen: 27.91 ng
RT: 17.51 min Scan# 1428
Delta R.T. -0.02 min
Lab File: BF079492.D
Acq: 26 May 2015 23:19

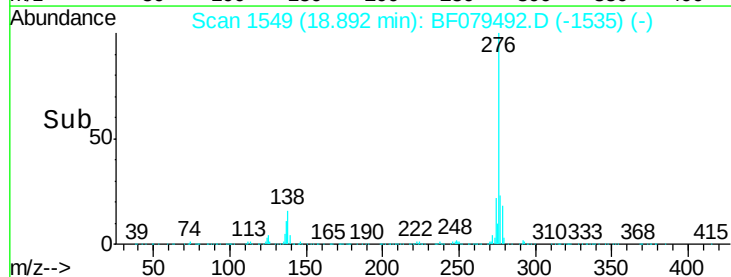
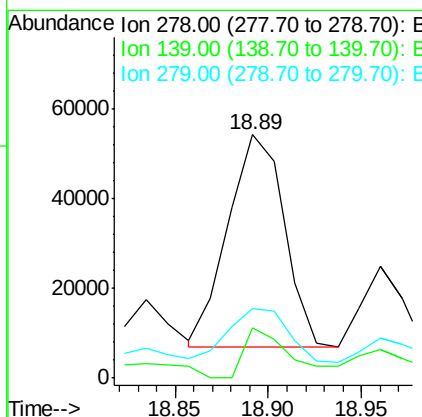
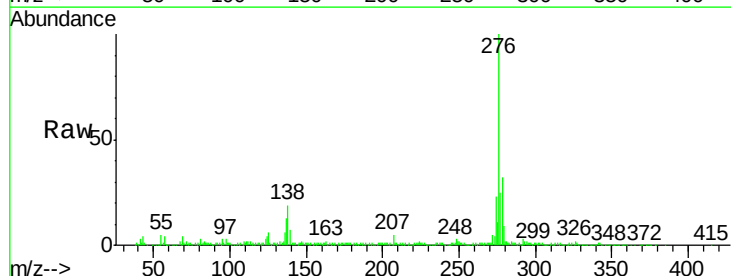
Instrument :
BNA_F
ClientSampleId :
SB-30S

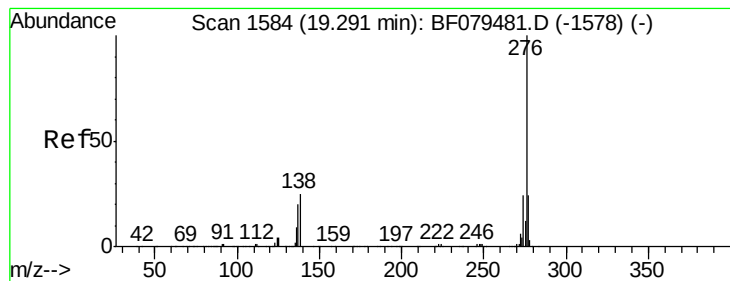
Tgt Ion:252 Resp: 609803
Ion Ratio Lower Upper
252 100
253 23.9 17.8 26.8
125 9.8 7.9 11.9



#90
Dibenzo(a,h)anthracene
Concen: 3.08 ng
RT: 18.89 min Scan# 1549
Delta R.T. -0.05 min
Lab File: BF079492.D
Acq: 26 May 2015 23:19

Tgt Ion:278 Resp: 100120
Ion Ratio Lower Upper
278 100
139 20.6 12.8 19.2#
279 28.4 19.1 28.7





#91

Benzo(g,h,i)perylene

Concen: 18.10 ng

RT: 19.27 min Scan# 1582

Delta R.T. -0.02 min

Lab File: BF079492.D

Acq: 26 May 2015 23:19

Instrument :

BNA_F

ClientSampleId :

SB-30S

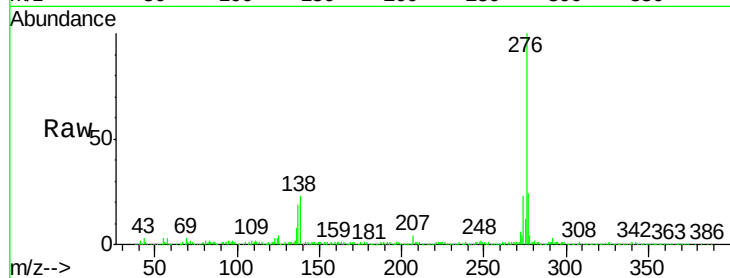
Tgt Ion: 276 Resp: 421553

Ion Ratio Lower Upper

276 100

277 24.5 19.1 28.7

138 23.0 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

