

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052615\
 Data File : BF079497.D
 Acq On : 27 May 2015 2:23
 Operator : TP/IZ
 Sample : G2289-14 5X
 Misc :
 ALS Vial : 20 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-32D

Quant Time: May 27 05:04:00 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 27 01:32:46 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.02	152	67327	20.00	ng	0.00
21) Naphthalene-d8	8.59	136	279446	20.00	ng	0.00
38) Acenaphthene-d10	10.76	164	138688	20.00	ng	0.00
63) Phenanthrene-d10	12.61	188	266964	20.00	ng	0.01
75) Chrysene-d12	15.89	240	288350	20.00	ng	0.01
86) Perylene-d12	17.60	264	315004	20.00	ng	0.01

System Monitoring Compounds						
5) 2-Fluorophenol	5.30	112	55826	14.38	ng	0.00
7) Phenol-d6	6.62	99	90862	18.36	ng	0.00
23) Nitrobenzene-d5	7.71	82	52809	10.92	ng	0.00
41) 2,4,6-Tribromophenol	11.75	330	24466	16.06	ng	0.00
44) 2-Fluorobiphenyl	9.94	172	117666	12.10	ng	0.00
78) Terphenyl-d14	14.59	244	143039	11.64	ng	0.00

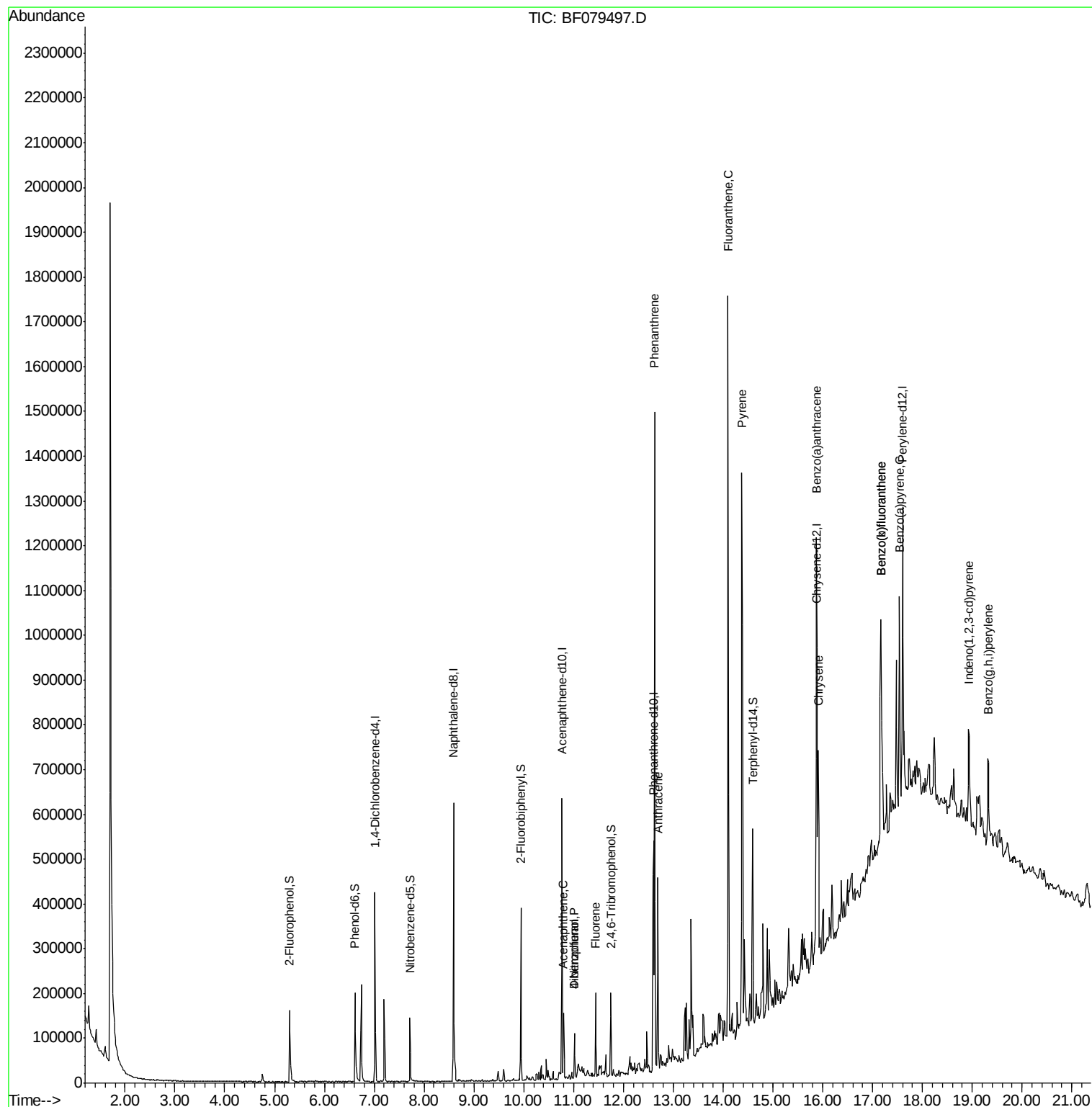
Target Compounds				Qvalue		
51) Acenaphthene	10.80	154	33949	4.18	ng	98
54) Dibenzofuran	11.02	168	41650	3.48	ng	99
55) 4-Nitrophenol	11.02	139	16578	11.26	ng	# 15
57) Fluorene	11.44	166	55579	5.63	ng	98
70) Phenanthrene	12.63	178	580125	39.61	ng	100
71) Anthracene	12.70	178	200193	13.46	ng	100
73) Di-n-butylphthalate	13.36	149	3602	Below Cal	#	1
74) Fluoranthene	14.10	202	731102	46.55	ng	95
77) Pyrene	14.38	202	657123	36.78	ng	# 95
80) Benzo(a)anthracene	15.87	228	296650	17.88	ng	99
82) Chrysene	15.91	228	213121	13.52	ng	96
85) Indeno(1,2,3-cd)pyrene	18.93	276	160261	7.90	ng	94
87) Benzo(b)fluoranthene	17.17	252	440644	24.53	ng	# 97
88) Benzo(k)fluoranthene	17.17	252	439138	27.33	ng	# 95
89) Benzo(a)pyrene	17.54	252	262393	15.39	ng	97
91) Benzo(g,h,i)perylene	19.31	276	160947	7.72	ng	98

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

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QLast Update : Wed May 27 01:32:46 2015
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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: BF079497.D

Acq: 27 May 2015 2:23

Instrument :

BNA_F

ClientSampled :

SB-32D

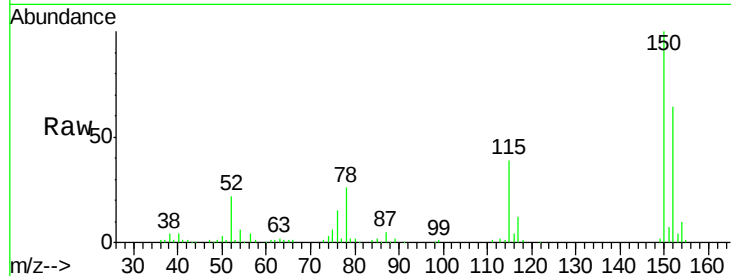
Tgt Ion:152 Resp: 67327

Ion Ratio Lower Upper

152 100

150 156.2 124.0 186.0

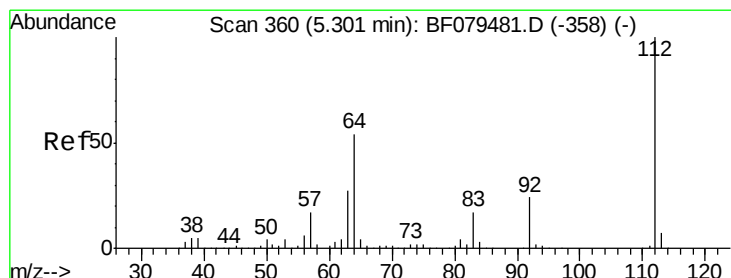
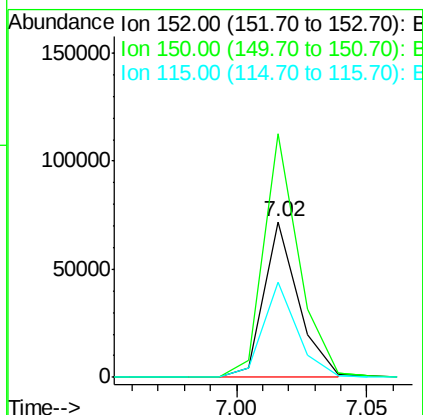
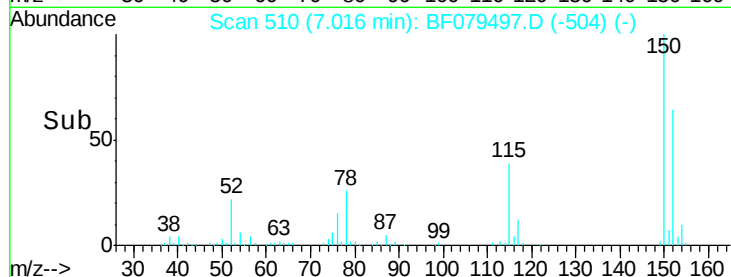
115 61.1 49.6 74.4



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: 14.38 ng

RT: 5.30 min Scan# 360

Delta R.T. 0.00 min

Lab File: BF079497.D

Acq: 27 May 2015 2:23

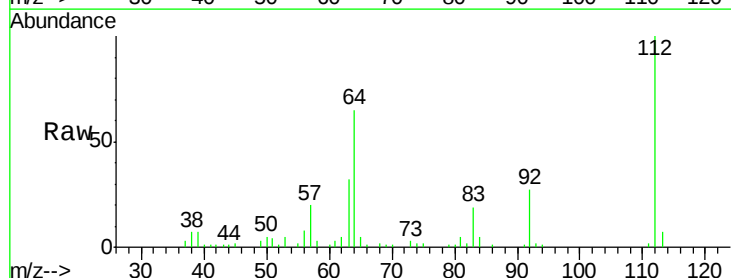
Tgt Ion:112 Resp: 55826

Ion Ratio Lower Upper

112 100

64 65.3 43.5 65.3

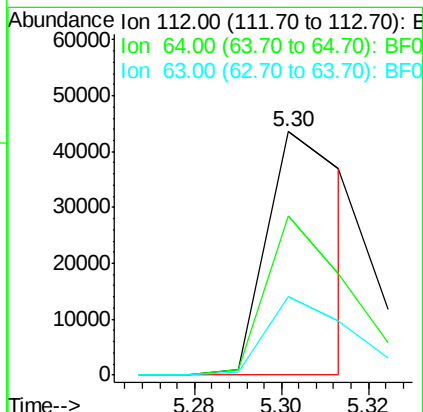
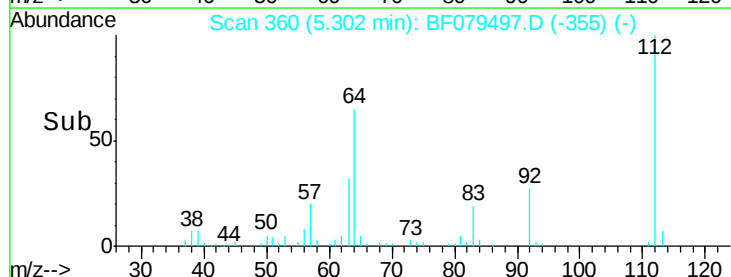
63 32.0 21.8 32.8

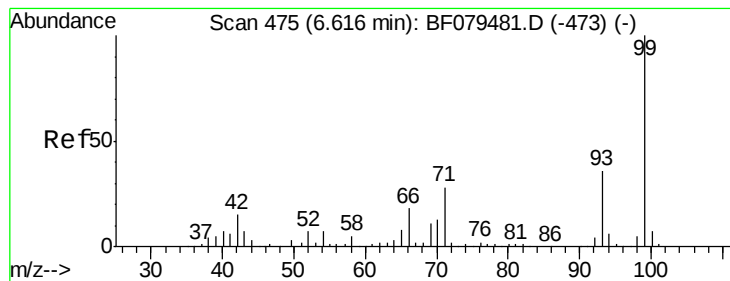


Abundance Ion 112.00 (111.70 to 112.70): E

Ion 64.00 (63.70 to 64.70): BF0

Ion 63.00 (62.70 to 63.70): BF0





#7

Phenol-d6

Concen: 18.36 ng

RT: 6.62 min Scan# 475

Delta R.T. 0.00 min

Lab File: BF079497.D

Acq: 27 May 2015 2:23

Instrument :

BNA_F

ClientSampleId :

SB-32D

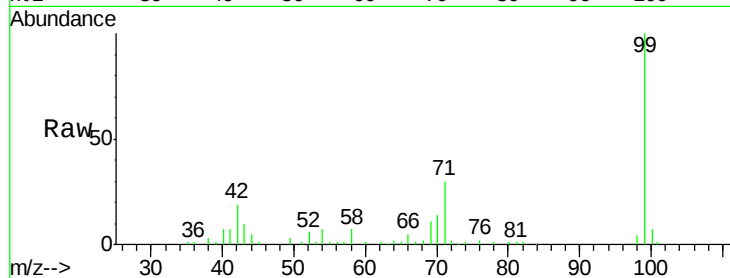
Tgt Ion: 99 Resp: 90862

Ion Ratio Lower Upper

99 100

42 18.7 11.9 17.9#

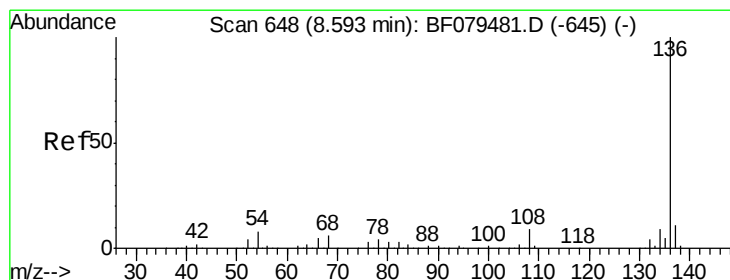
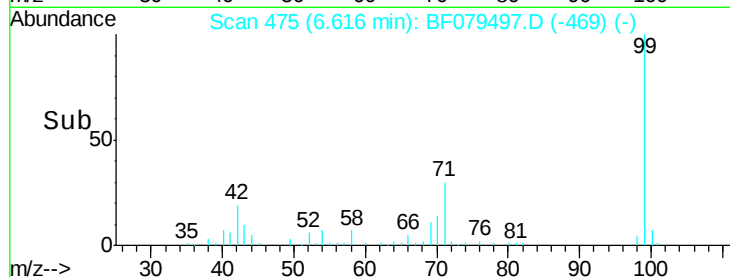
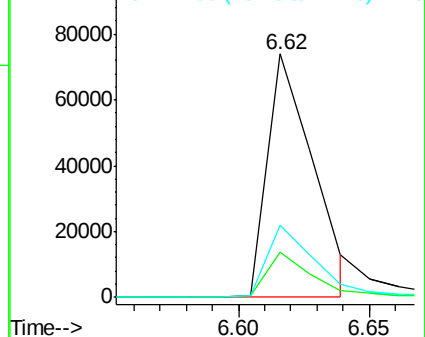
71 29.8 22.1 33.1



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: 8.59 min Scan# 648

Delta R.T. 0.00 min

Lab File: BF079497.D

Acq: 27 May 2015 2:23

Tgt Ion: 136 Resp: 279446

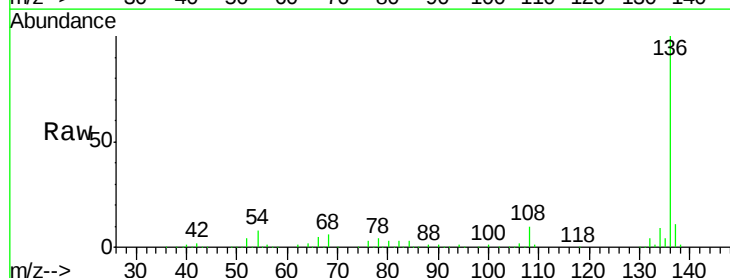
Ion Ratio Lower Upper

136 100

137 11.2 8.5 12.7

54 8.0 6.6 9.8

68 6.3 4.7 7.1

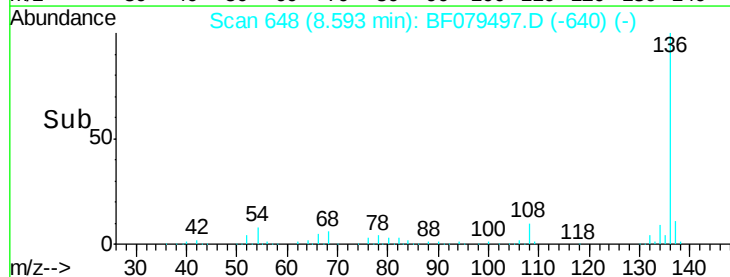
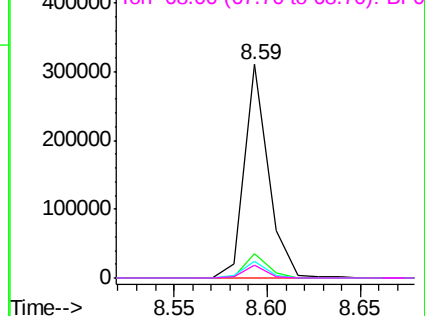


Abundance Ion 136.00 (135.70 to 136.70): E

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

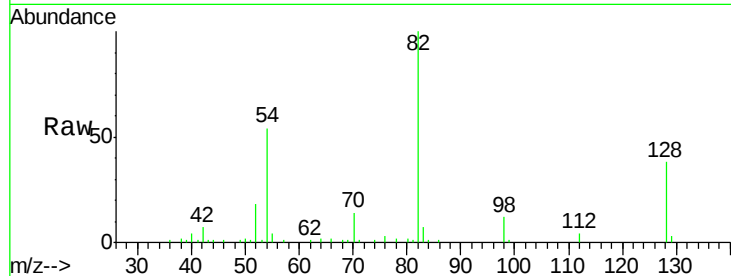




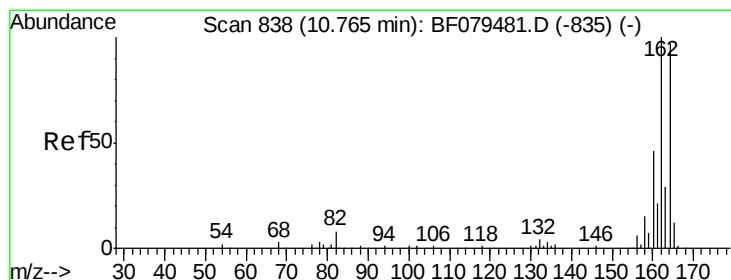
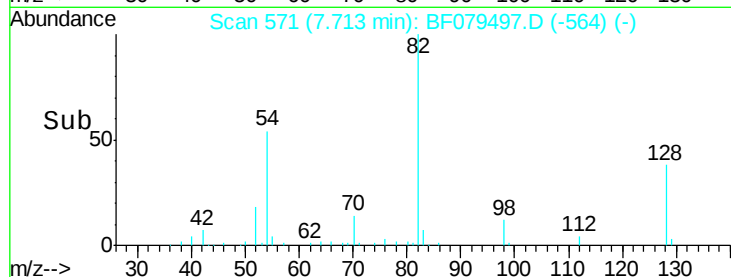
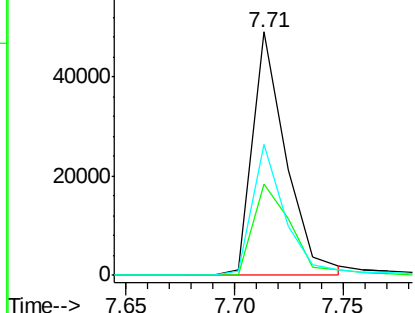
#23
 Nitrobenzene-d5
 Concen: 10.92 ng
 RT: 7.71 min Scan# 571
 Delta R.T. 0.00 min
 Lab File: BF079497.D
 Acq: 27 May 2015 2:23

Instrument :
 BNA_F
 ClientSampleId :
 SB-32D

Tgt Ion	Ratio	Lower	Upper
82	100		
128	37.5	30.8	46.2
54	53.6	42.8	64.2

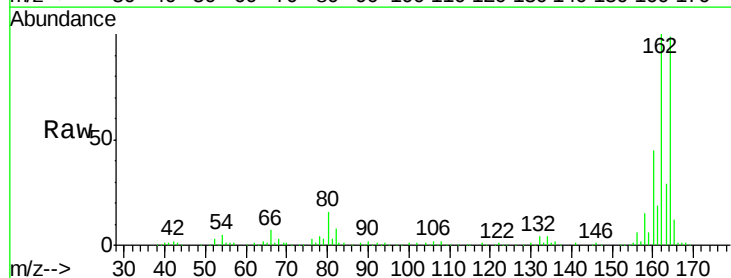


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

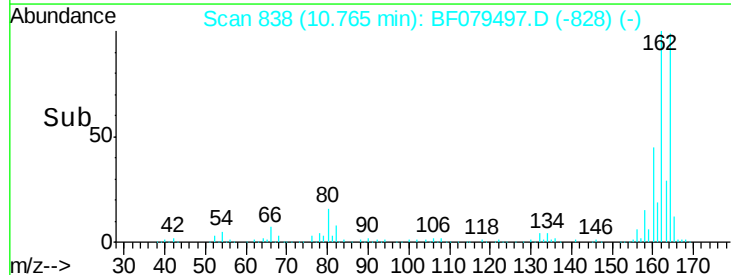
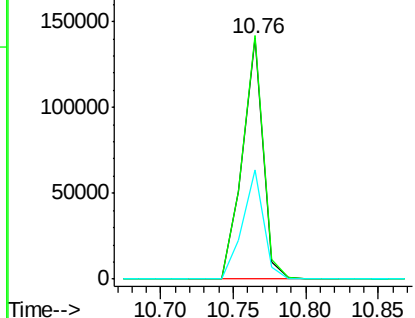


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.76 min Scan# 838
 Delta R.T. 0.00 min
 Lab File: BF079497.D
 Acq: 27 May 2015 2:23

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.1	82.6	124.0
160	45.3	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

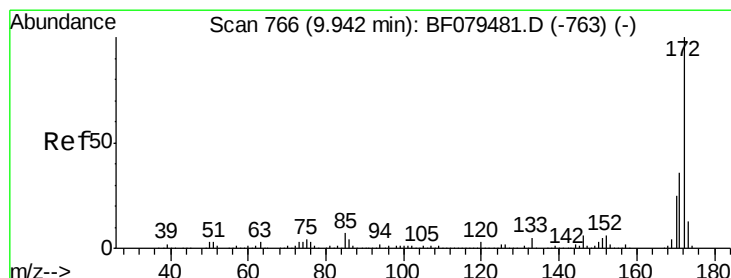
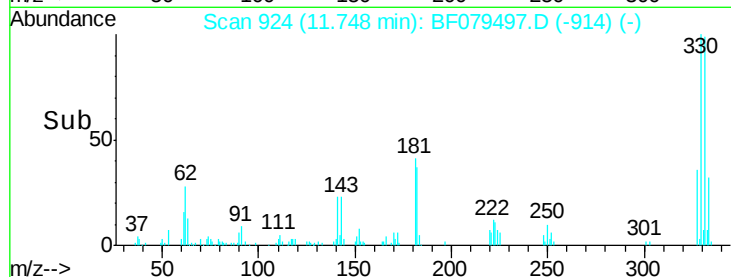
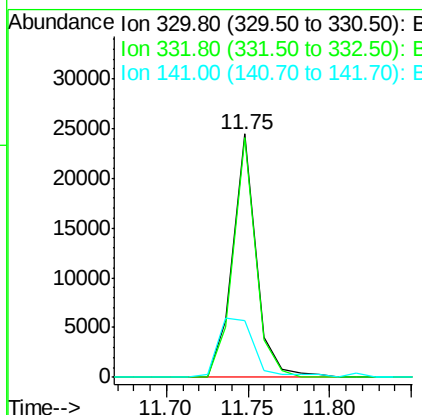
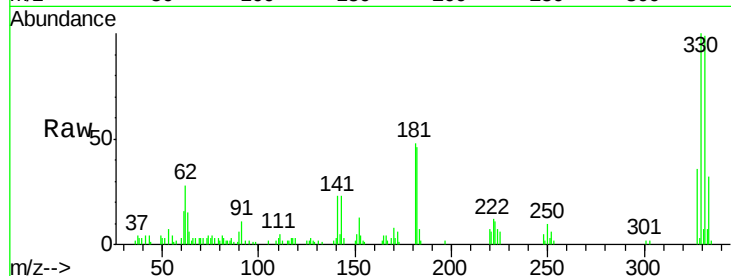




#41
 2,4,6-Tribromophenol
 Concen: 16.06 ng
 RT: 11.75 min Scan# 924
 Delta R.T. 0.00 min
 Lab File: BF079497.D
 Acq: 27 May 2015 2:23

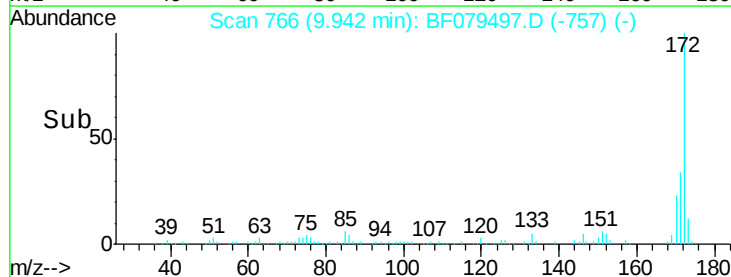
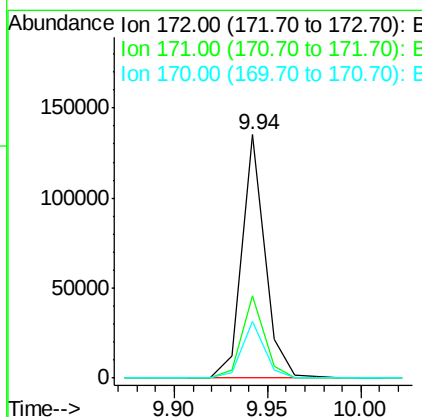
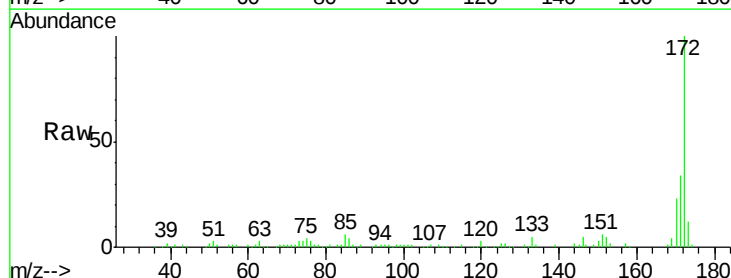
Instrument :
 BNA_F
 ClientSampleId :
 SB-32D

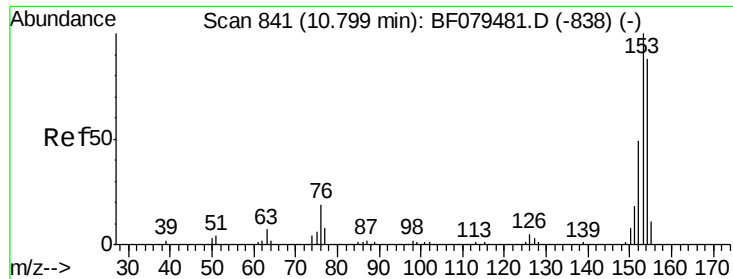
Tgt Ion	Ratio	Lower	Upper
330	100		
332	94.4	0.0	0.0#
141	38.4	0.0	0.0#



#44
 2-Fluorobiphenyl
 Concen: 12.10 ng
 RT: 9.94 min Scan# 766
 Delta R.T. 0.00 min
 Lab File: BF079497.D
 Acq: 27 May 2015 2:23

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.9	28.5	42.7
170	23.3	19.7	29.5





#51

Acenaphthene

Concen: 4.18 ng

RT: 10.80 min Scan# 841

Delta R.T. 0.00 min

Lab File: BF079497.D

Acq: 27 May 2015 2:23

Instrument :

BNA_F

ClientSampleId :

SB-32D

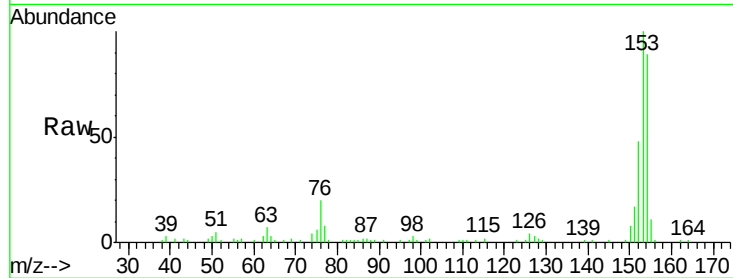
Tgt Ion:154 Resp: 33949

Ion Ratio Lower Upper

154 100

153 112.2 91.1 136.7

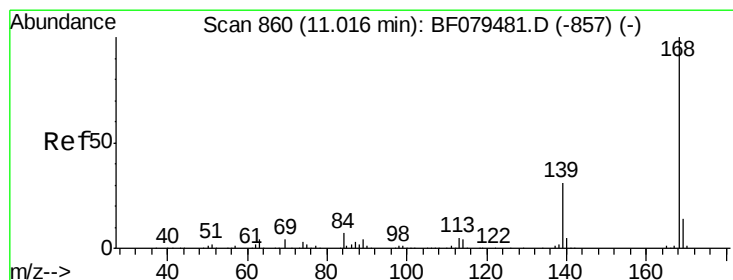
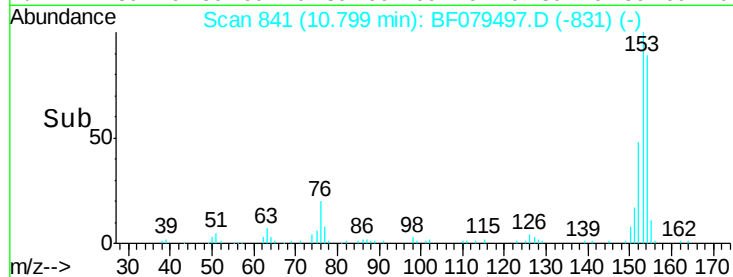
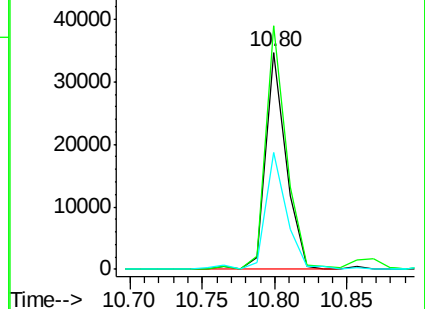
152 54.0 44.6 66.8



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



#54

Dibenzofuran

Concen: 3.48 ng

RT: 11.02 min Scan# 860

Delta R.T. 0.00 min

Lab File: BF079497.D

Acq: 27 May 2015 2:23

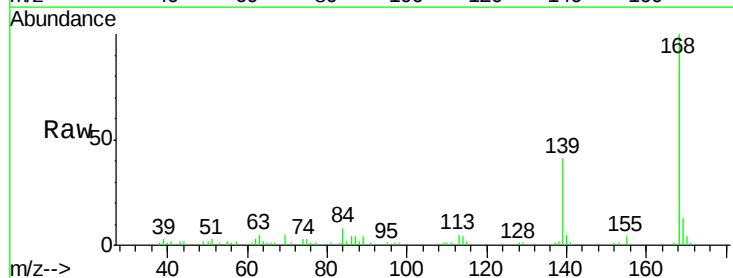
Tgt Ion:168 Resp: 41650

Ion Ratio Lower Upper

168 100

139 40.7 32.9 49.3

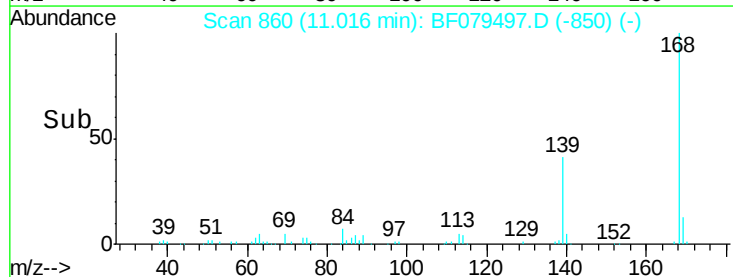
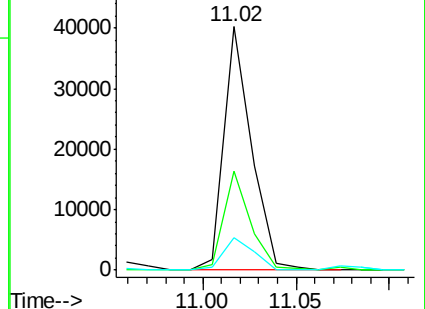
169 13.5 11.1 16.7

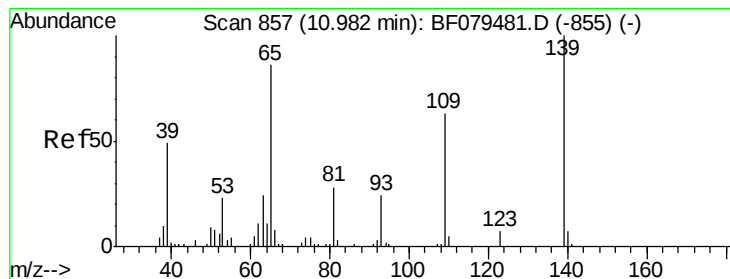


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 11.26 ng

RT: 11.02 min Scan# 860

Delta R.T. 0.03 min

Lab File: BF079497.D

Acq: 27 May 2015 2:23

Instrument :

BNA_F

ClientSampleId :

SB-32D

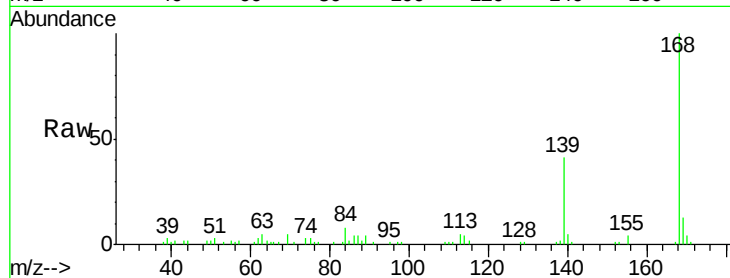
Tgt Ion:139 Resp: 16578

Ion Ratio Lower Upper

139 100

109 2.4 42.8 82.8#

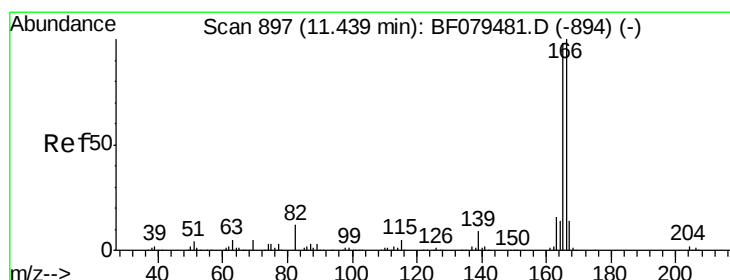
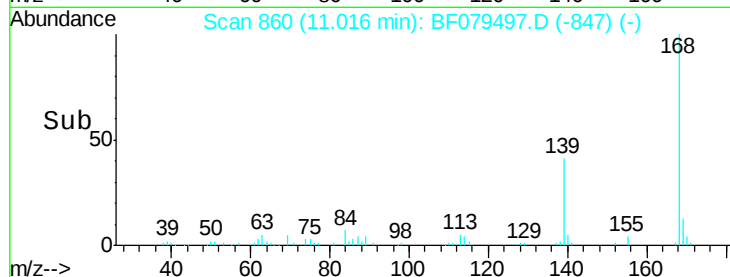
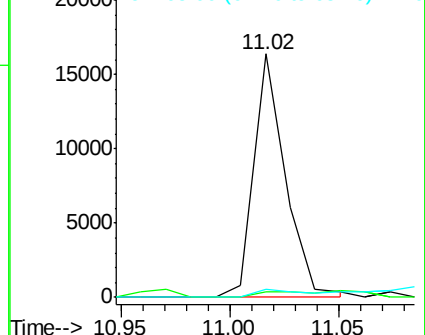
65 3.4 66.3 106.3#



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: 5.63 ng

RT: 11.44 min Scan# 897

Delta R.T. 0.00 min

Lab File: BF079497.D

Acq: 27 May 2015 2:23

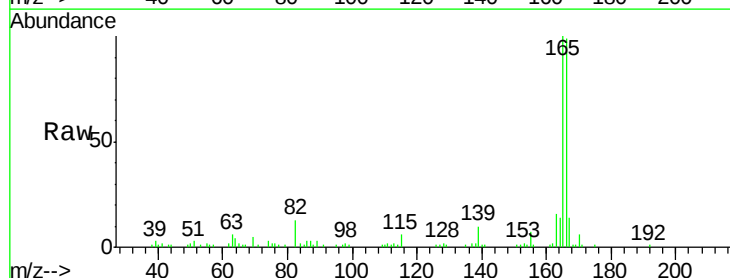
Tgt Ion:166 Resp: 55579

Ion Ratio Lower Upper

166 100

165 100.6 78.6 117.8

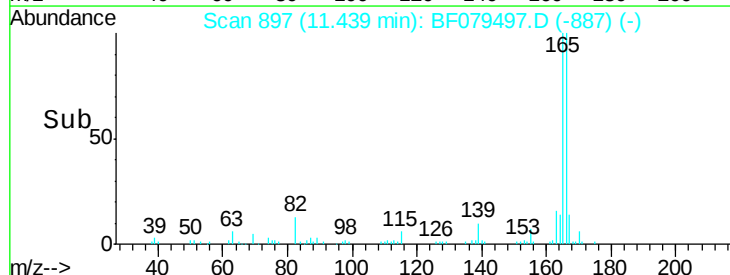
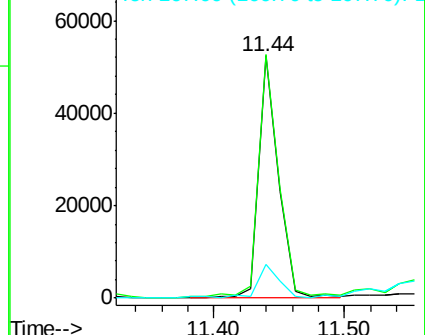
167 13.8 10.8 16.2

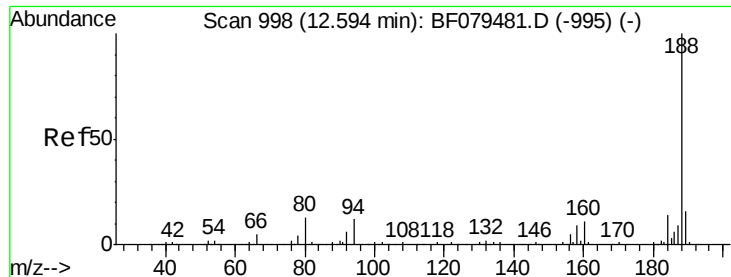


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

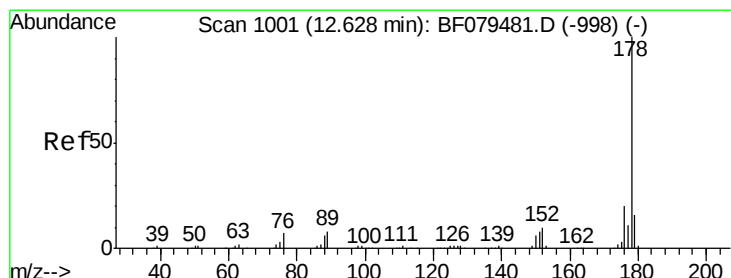
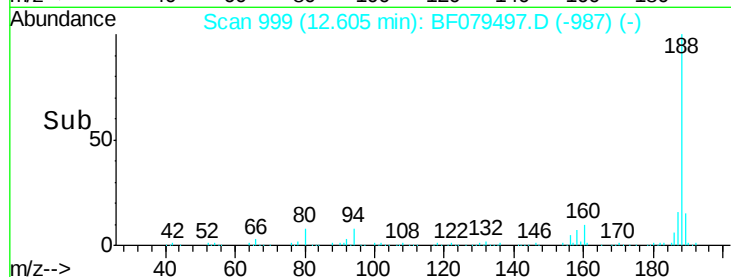
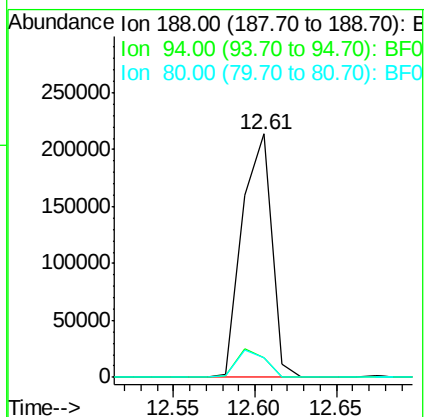
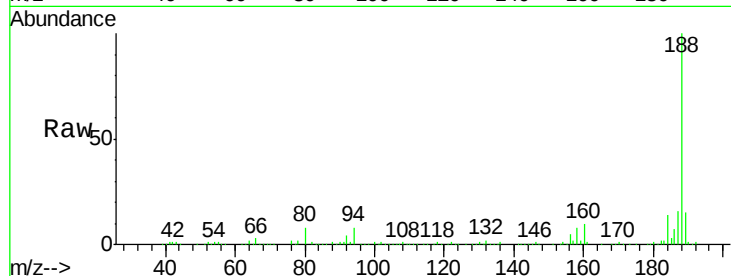




#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.61 min Scan# 999
Delta R.T. 0.01 min
Lab File: BF079497.D
Acq: 27 May 2015 2:23

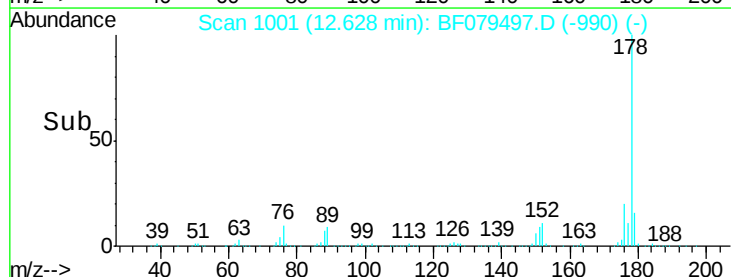
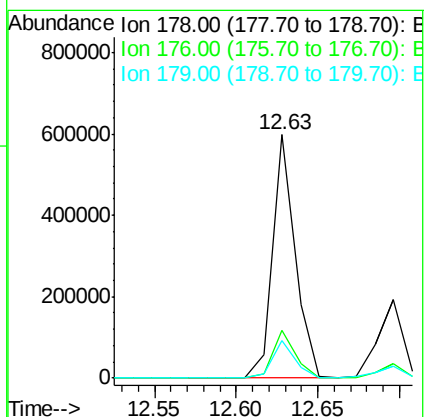
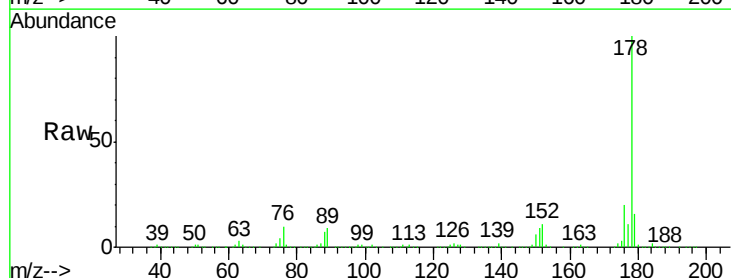
Instrument :
BNA_F
ClientSampled :
SB-32D

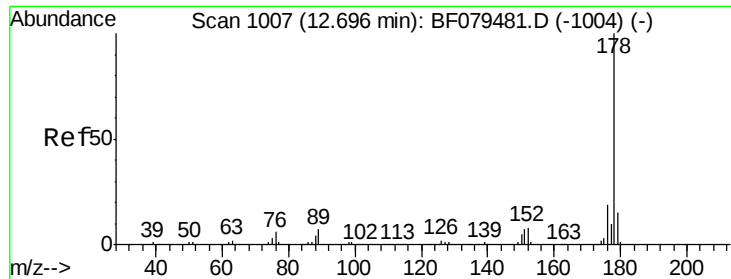
Tgt Ion:188 Resp: 266964
Ion Ratio Lower Upper
188 100
94 8.0 9.8 14.6#
80 8.2 10.5 15.7#



#70
Phenanthrene
Concen: 39.61 ng
RT: 12.63 min Scan# 1001
Delta R.T. 0.00 min
Lab File: BF079497.D
Acq: 27 May 2015 2:23

Tgt Ion:178 Resp: 580125
Ion Ratio Lower Upper
178 100
176 19.9 15.7 23.5
179 15.6 12.4 18.6

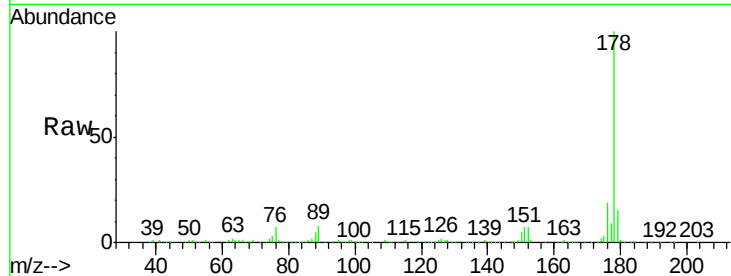




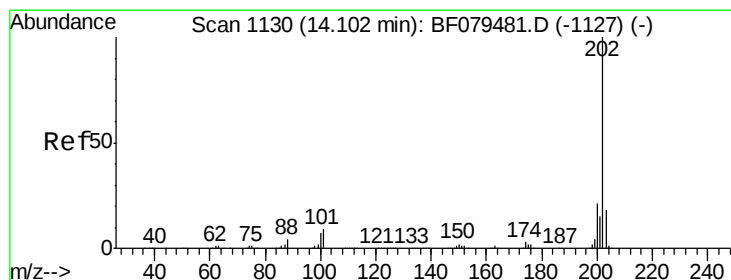
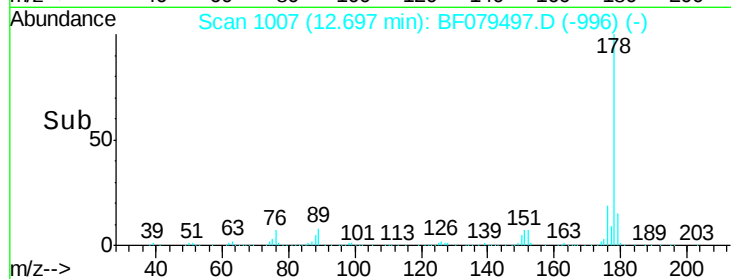
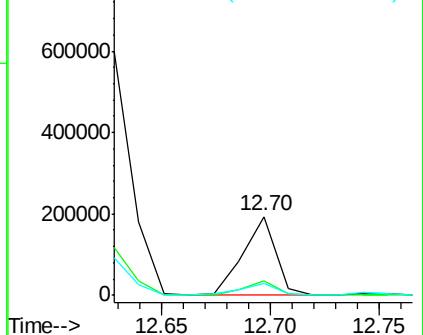
#71
 Anthracene
 Concen: 13.46 ng
 RT: 12.70 min Scan# 1007
 Delta R.T. 0.00 min
 Lab File: BF079497.D
 Acq: 27 May 2015 2:23

Instrument :
 BNA_F
 ClientSampleId :
 SB-32D

Tgt Ion	Ratio	Lower	Upper
178	100		
176	18.9	15.3	22.9
179	15.2	12.2	18.4

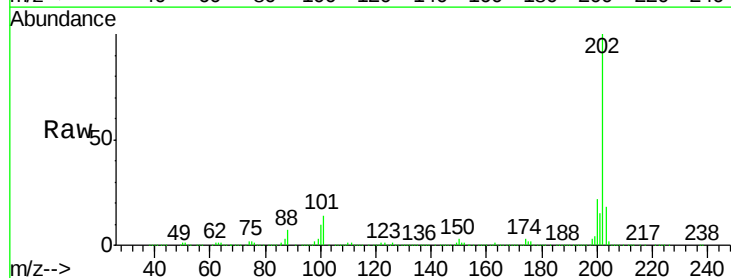


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

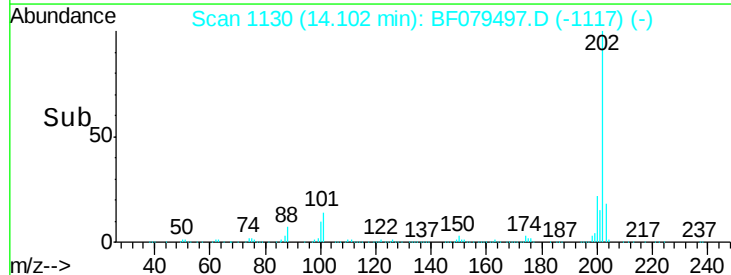
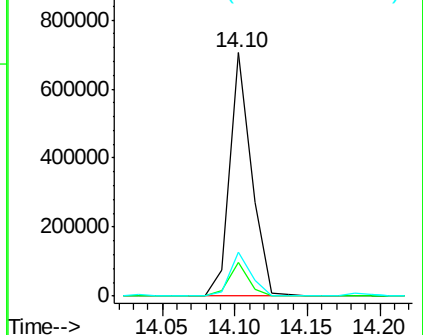


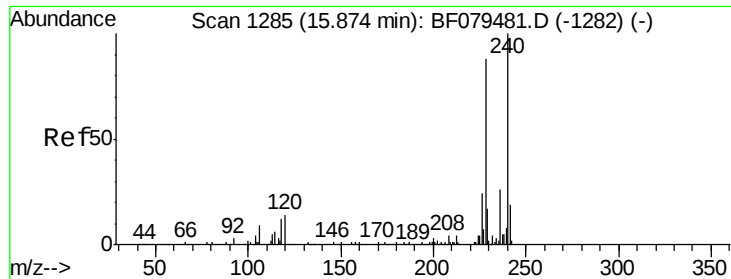
#74
 Fluoranthene
 Concen: 46.55 ng
 RT: 14.10 min Scan# 1130
 Delta R.T. 0.00 min
 Lab File: BF079497.D
 Acq: 27 May 2015 2:23

Tgt Ion	Ratio	Lower	Upper
202	100		
101	14.1	0.0	29.3
203	18.0	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: 15.89 min Scan# 1286

Delta R.T. 0.01 min

Lab File: BF079497.D

Acq: 27 May 2015 2:23

Instrument :

BNA_F

ClientSampleId :

SB-32D

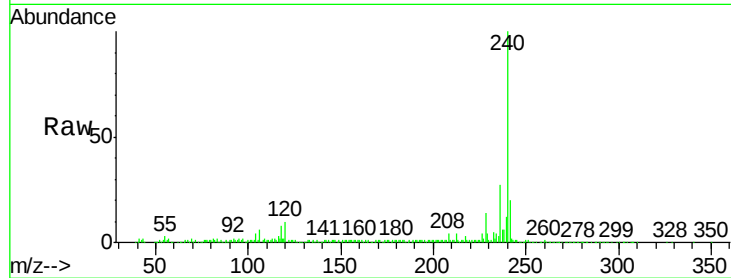
Tgt Ion:240 Resp: 288350

Ion Ratio Lower Upper

240 100

120 9.8 10.8 16.2#

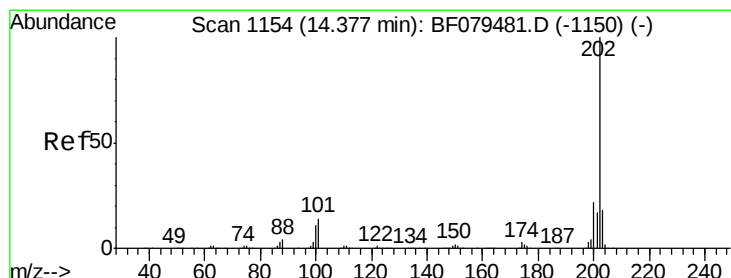
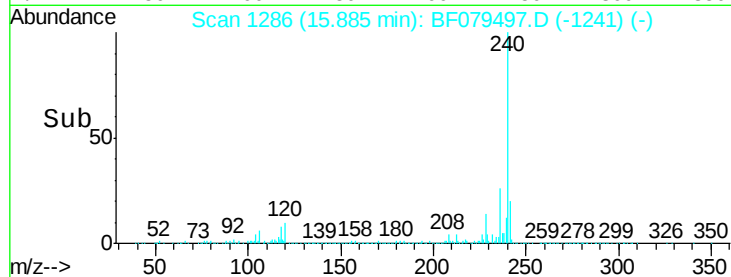
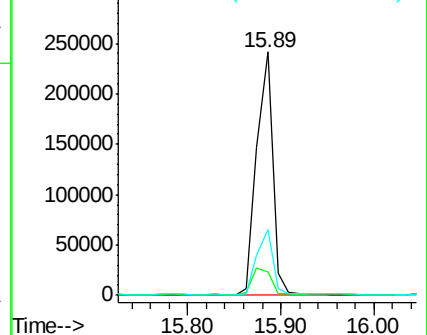
236 26.9 21.0 31.6



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: 36.78 ng

RT: 14.38 min Scan# 1154

Delta R.T. 0.00 min

Lab File: BF079497.D

Acq: 27 May 2015 2:23

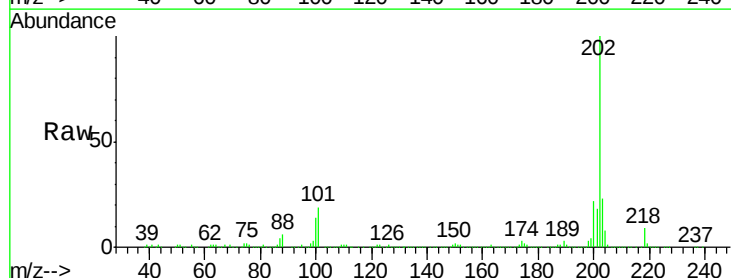
Tgt Ion:202 Resp: 657123

Ion Ratio Lower Upper

202 100

200 22.0 17.5 26.3

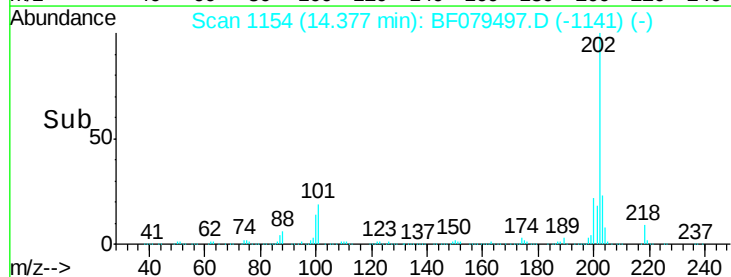
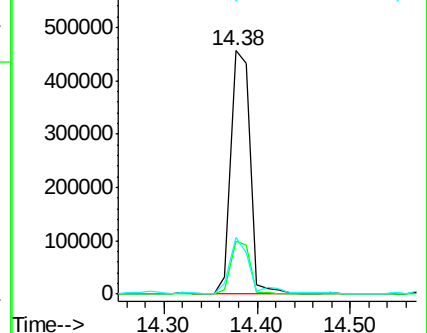
203 23.2 14.4 21.6#

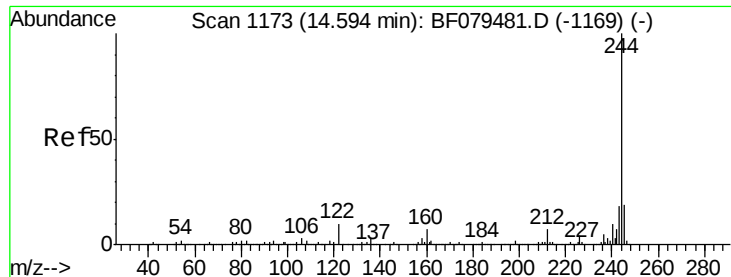


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E





#78

Terphenyl-d14

Concen: 11.64 ng

RT: 14.59 min Scan# 1173

Delta R.T. 0.00 min

Lab File: BF079497.D

Acq: 27 May 2015 2:23

Instrument :

BNA_F

ClientSampleId :

SB-32D

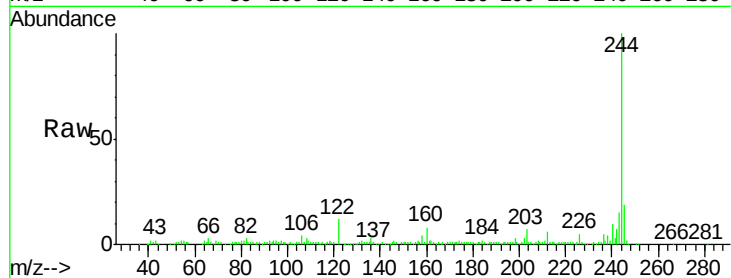
Tgt Ion:244 Resp: 143039

Ion Ratio Lower Upper

244 100

212 6.1 5.2 7.8

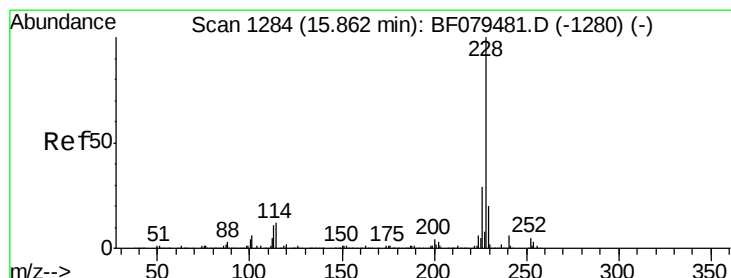
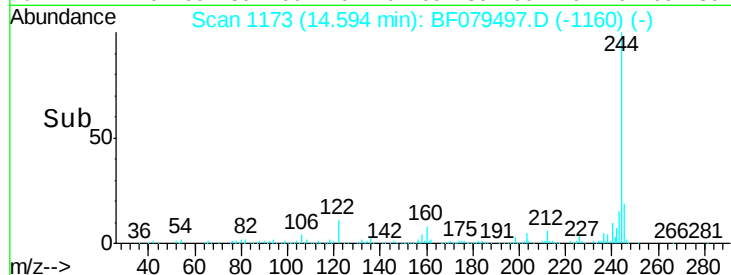
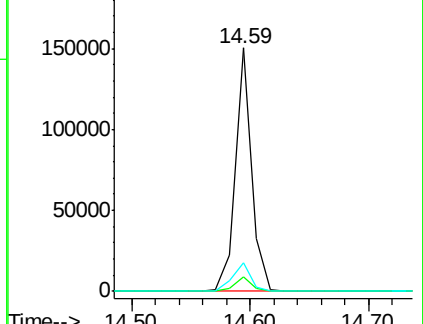
122 11.5 8.0 12.0



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: 17.88 ng

RT: 15.87 min Scan# 1285

Delta R.T. 0.01 min

Lab File: BF079497.D

Acq: 27 May 2015 2:23

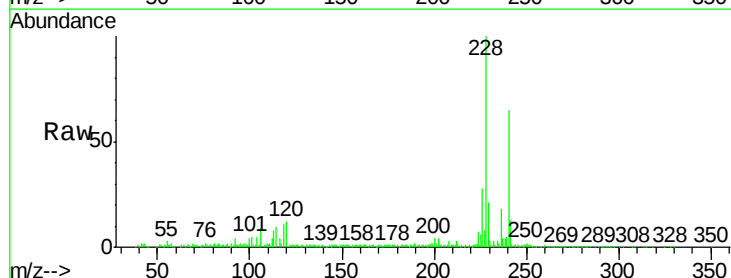
Tgt Ion:228 Resp: 296650

Ion Ratio Lower Upper

228 100

226 28.2 22.8 34.2

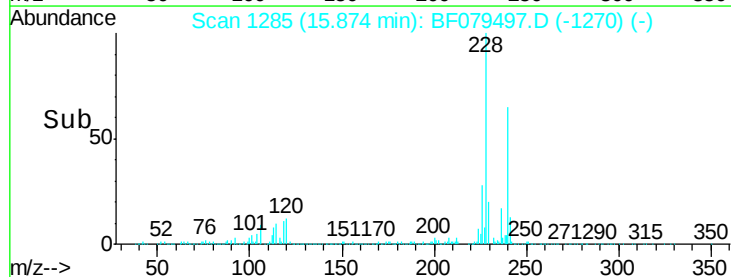
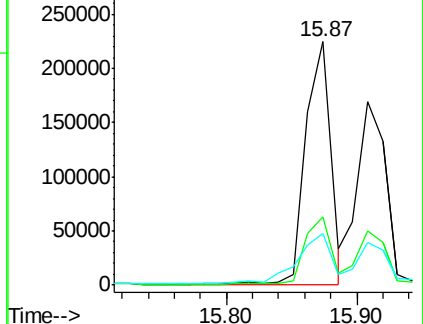
229 21.1 15.9 23.9

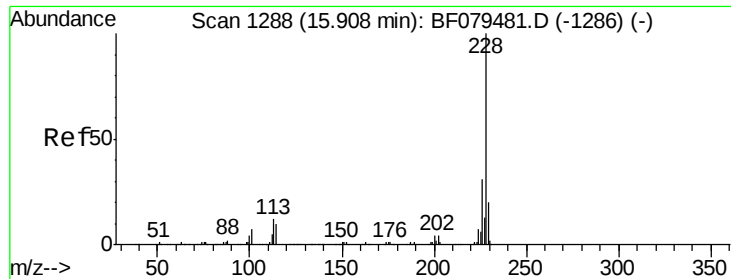


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E





#82

Chrysene

Concen: 13.52 ng

RT: 15.91 min Scan# 1288

Delta R.T. 0.00 min

Lab File: BF079497.D

Acq: 27 May 2015 2:23

Instrument :

BNA_F

ClientSampleId :

SB-32D

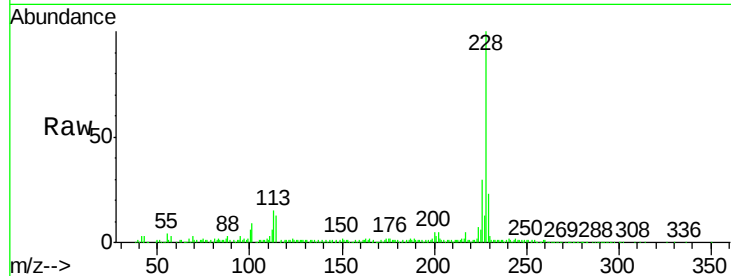
Tgt Ion:228 Resp: 213121

Ion Ratio Lower Upper

228 100

226 29.6 25.0 37.4

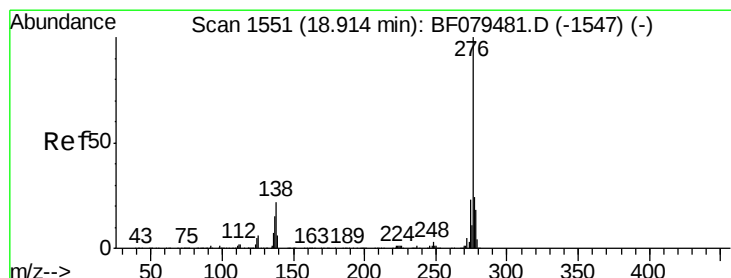
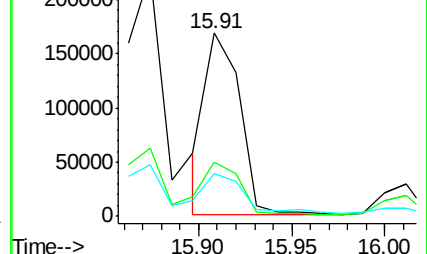
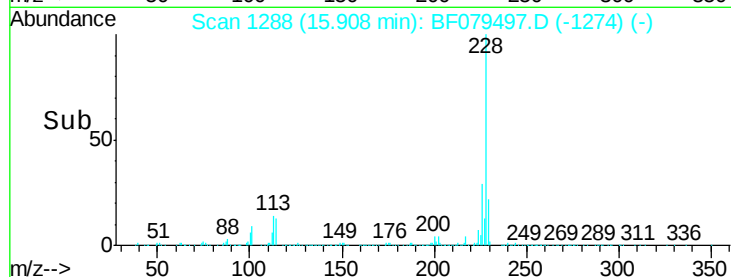
229 23.0 15.9 23.9



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: 7.90 ng

RT: 18.93 min Scan# 1552

Delta R.T. 0.01 min

Lab File: BF079497.D

Acq: 27 May 2015 2:23

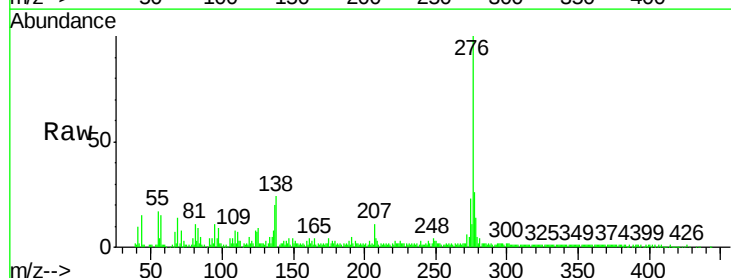
Tgt Ion:276 Resp: 160261

Ion Ratio Lower Upper

276 100

138 25.0 21.4 32.2

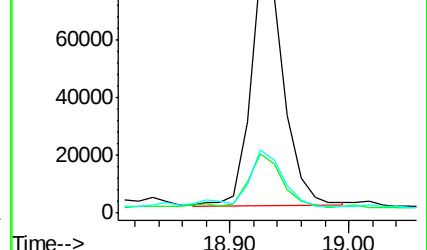
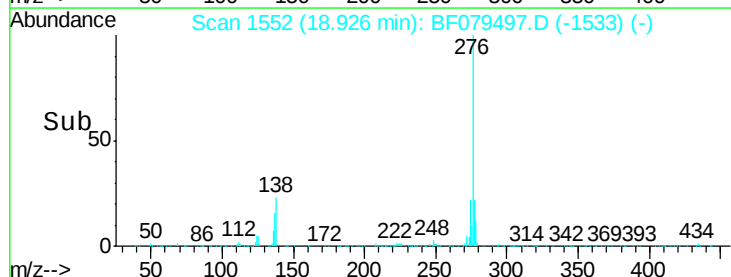
277 29.1 19.8 29.6

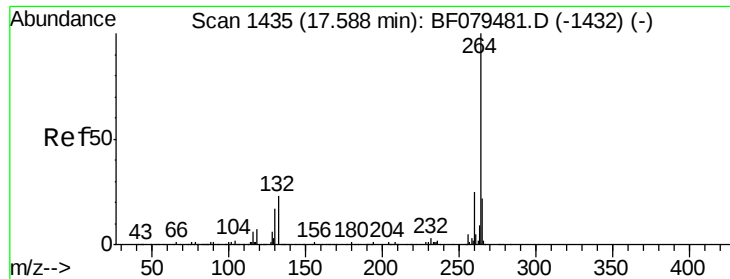


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 138.00 (137.70 to 138.70): E

Ion 277.00 (276.70 to 277.70): E

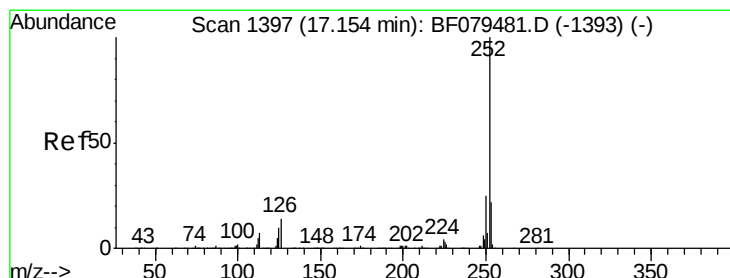
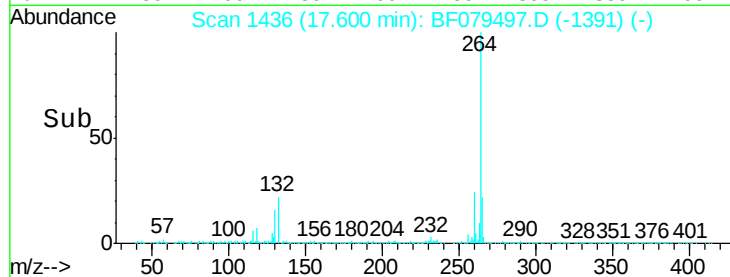
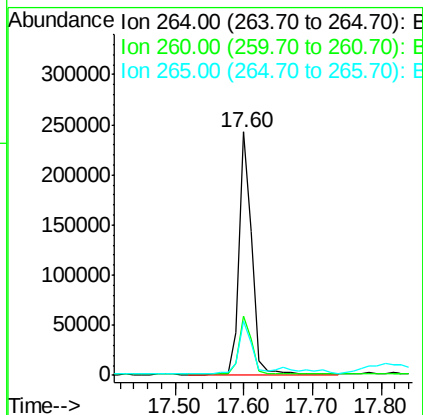
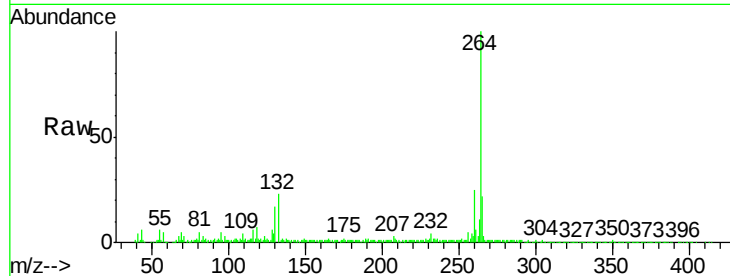




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.60 min Scan# 1436
Delta R.T. 0.01 min
Lab File: BF079497.D
Acq: 27 May 2015 2:23

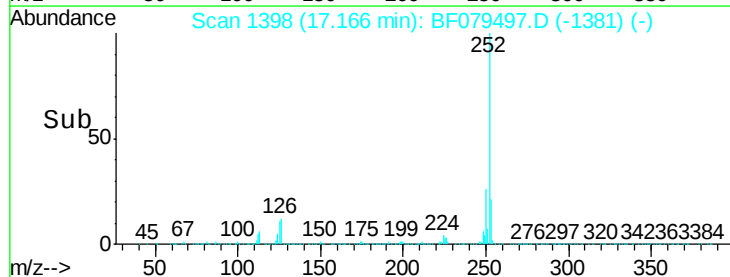
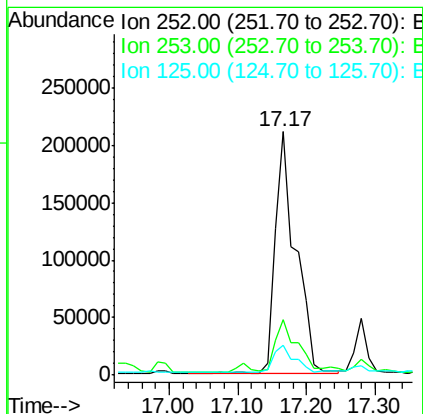
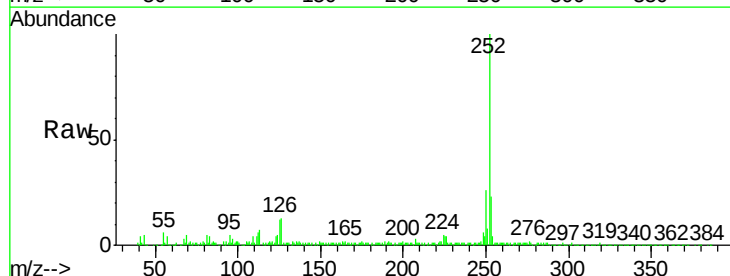
Instrument :
BNA_F
ClientSampleId :
SB-32D

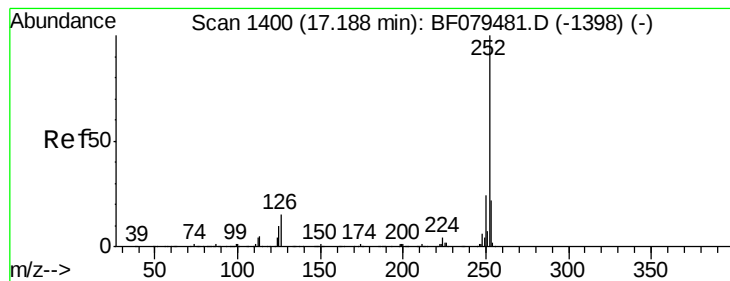
Tgt Ion:264 Resp: 315004
Ion Ratio Lower Upper
264 100
260 24.6 19.8 29.8
265 22.3 17.8 26.6



#87
Benzo(b)fluoranthene
Concen: 24.53 ng
RT: 17.17 min Scan# 1398
Delta R.T. 0.01 min
Lab File: BF079497.D
Acq: 27 May 2015 2:23

Tgt Ion:252 Resp: 440644
Ion Ratio Lower Upper
252 100
253 22.8 17.6 26.4
125 12.2 7.8 11.6#





#88

Benzo(k)fluoranthene

Concen: 27.33 ng

RT: 17.17 min Scan# 1398

Delta R.T. -0.02 min

Lab File: BF079497.D

Acq: 27 May 2015 2:23

Instrument :

BNA_F

ClientSampleId :

SB-32D

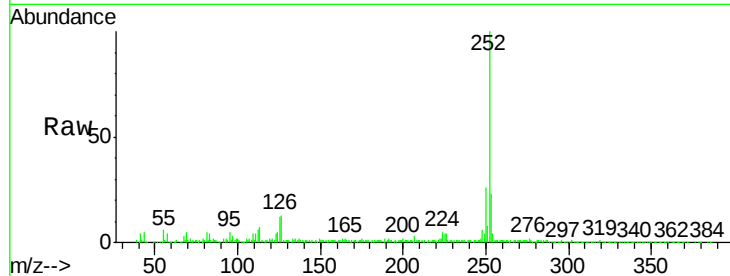
Tgt Ion:252 Resp: 439138

Ion Ratio Lower Upper

252 100

253 22.8 17.2 25.8

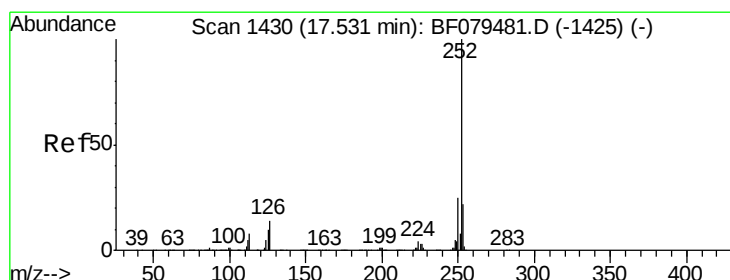
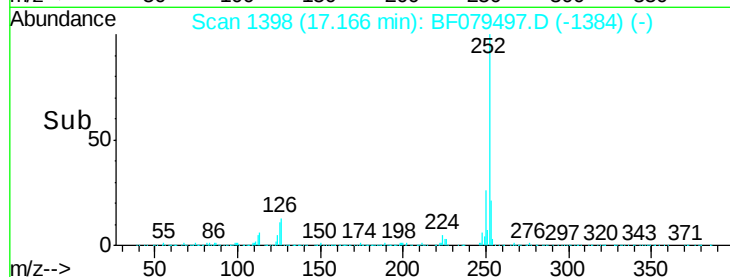
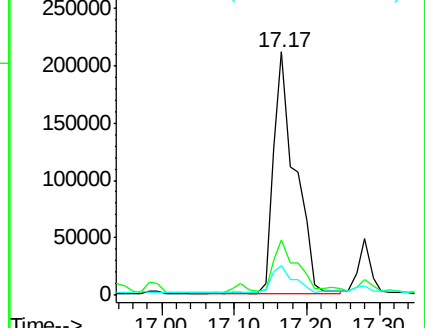
125 12.2 6.8 10.2#



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: 15.39 ng

RT: 17.54 min Scan# 1431

Delta R.T. 0.01 min

Lab File: BF079497.D

Acq: 27 May 2015 2:23

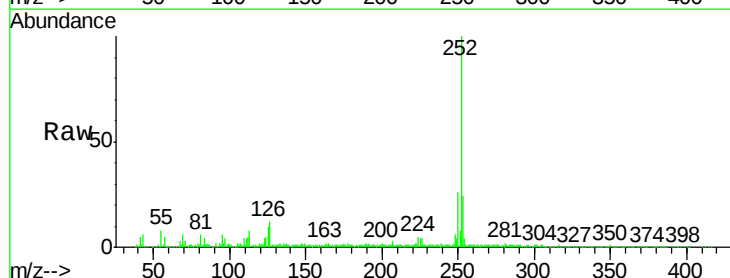
Tgt Ion:252 Resp: 262393

Ion Ratio Lower Upper

252 100

253 23.8 17.8 26.8

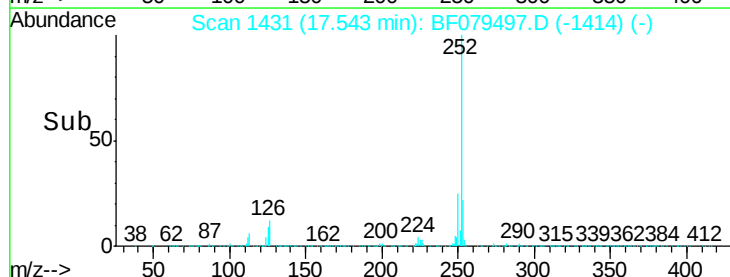
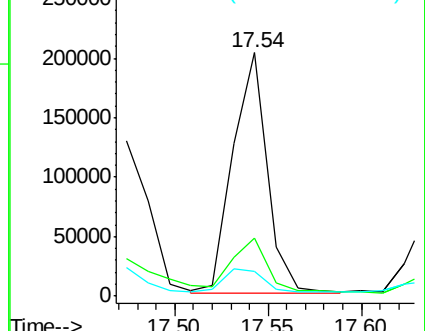
125 10.4 7.9 11.9

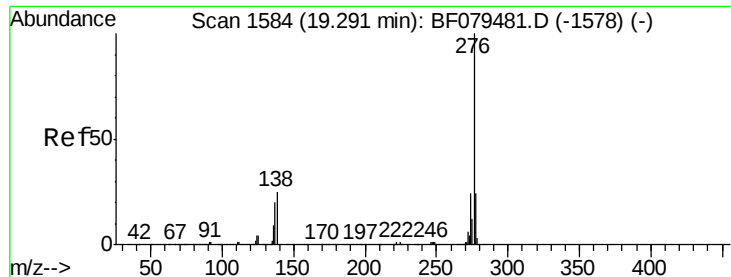


Abundance Ion 252.00 (251.70 to 252.70): E

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: 7.72 ng

RT: 19.31 min Scan# 1586

Delta R.T. 0.02 min

Lab File: BF079497.D

Acq: 27 May 2015 2:23

Instrument :

BNA_F

ClientSampleId :

SB-32D

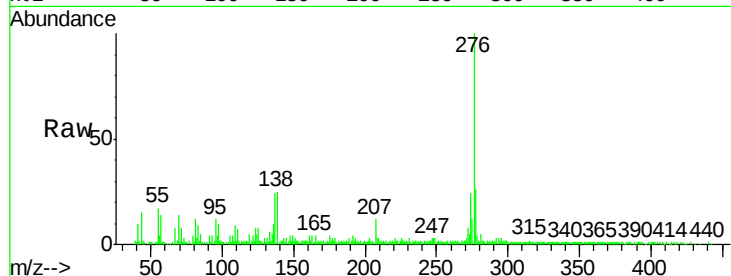
Tgt Ion: 276 Resp: 160947

Ion Ratio Lower Upper

276 100

277 25.9 19.1 28.7

138 25.0 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

