

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052715\
 Data File : BF079523.D
 Acq On : 27 May 2015 17:33
 Operator : TP/IZ
 Sample : G2359-12 5X
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-26S

Quant Time: May 28 00:56:30 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 00:48:25 2015
 Response via : Initial Calibration

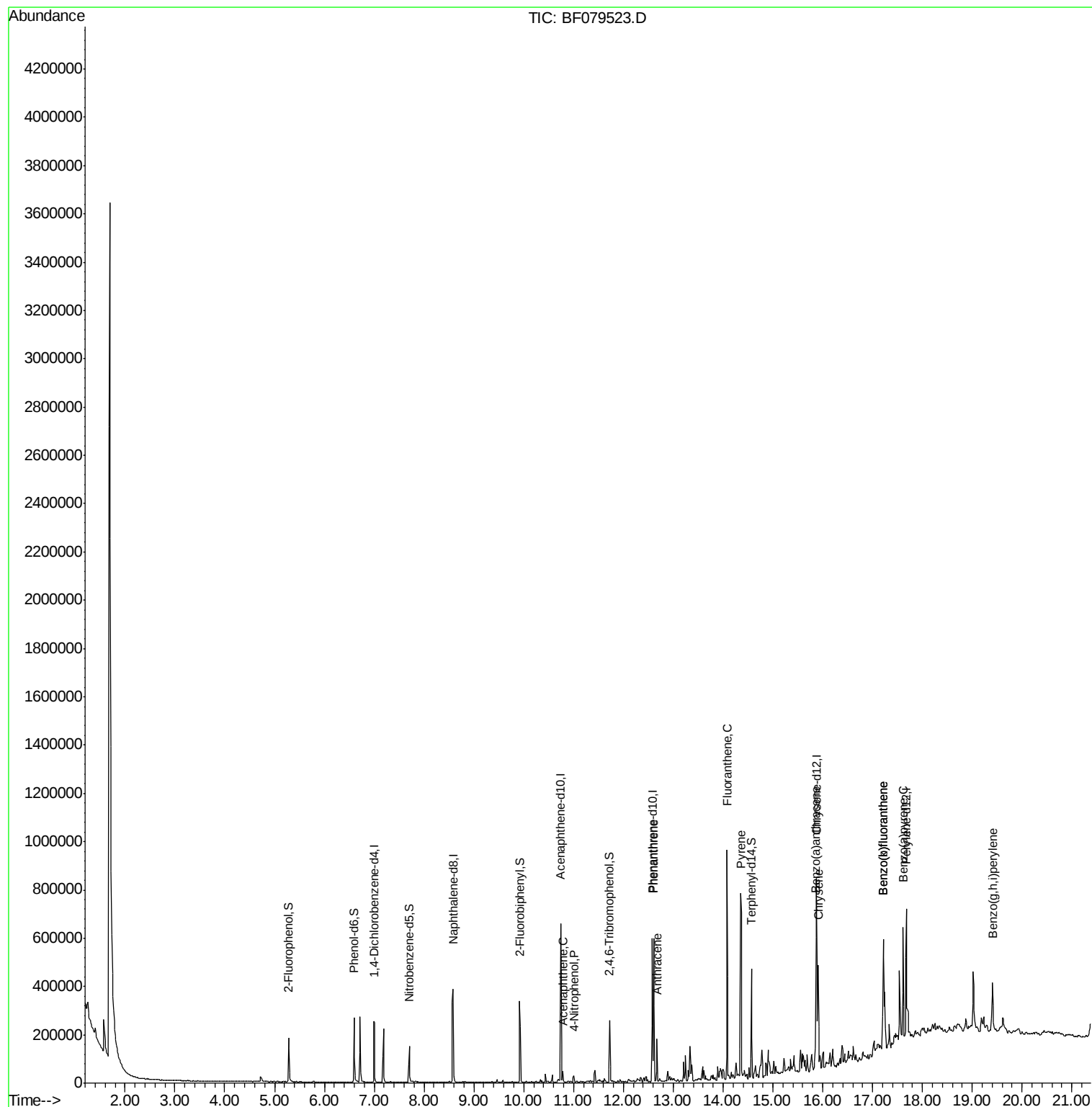
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.00	152	60635	20.00	ng	0.00
21) Naphthalene-d8	8.58	136	258625	20.00	ng	0.00
38) Acenaphthene-d10	10.74	164	131845	20.00	ng	0.00
63) Phenanthrene-d10	12.58	188	243879	20.00	ng	0.00
75) Chrysene-d12	15.87	240	245653	20.00	ng	-0.07
86) Perylene-d12	17.68	264	266838	20.00	ng	-0.21
System Monitoring Compounds						
5) 2-Fluorophenol	5.28	112	66251	18.95	ng	0.00
7) Phenol-d6	6.59	99	104037	23.35	ng	0.00
23) Nitrobenzene-d5	7.70	82	58530	13.08	ng	0.00
41) 2,4,6-Tribromophenol	11.72	330	31675	21.87	ng	-0.01
44) 2-Fluorobiphenyl	9.92	172	139981	15.15	ng	-0.01
78) Terphenyl-d14	14.57	244	152563	14.58	ng	-0.02
Target Compounds						
51) Acenaphthene	10.79	154	15789	2.05	ng	Qvalue 99
55) 4-Nitrophenol	11.00	139	5326	3.80	ng	# 12
70) Phenanthrene	12.61	178	275404	20.58	ng	100
71) Anthracene	12.67	178	72952	5.37	ng	99
73) Di-n-butylphthalate	13.35	149	2448	Below Cal	#	64
74) Fluoranthene	14.08	202	445028	31.02	ng	95
77) Pyrene	14.37	202	424407	27.89	ng	99
80) Benzo(a)anthracene	15.86	228	237051	16.77	ng	97
82) Chrysene	15.91	228	195232	14.53	ng	98
87) Benzo(b)fluoranthene	17.21	252	393852	25.88	ng	98
88) Benzo(k)fluoranthene	17.21	252	393852	28.94	ng	# 97
89) Benzo(a)pyrene	17.61	252	226382	15.71	ng	99
90) Dibenzo(a,h)anthracene	19.10	278	13537	Below Cal	#	73
91) Benzo(g,h,i)perylene	19.41	276	158372	9.55	ng	97

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

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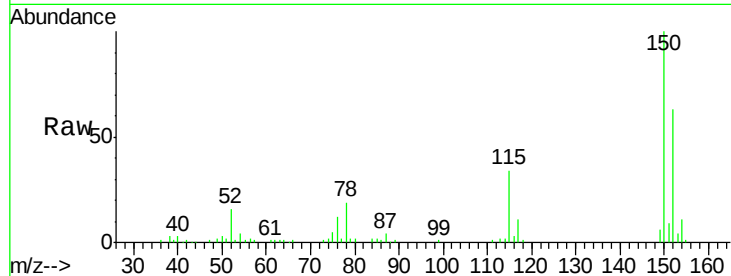




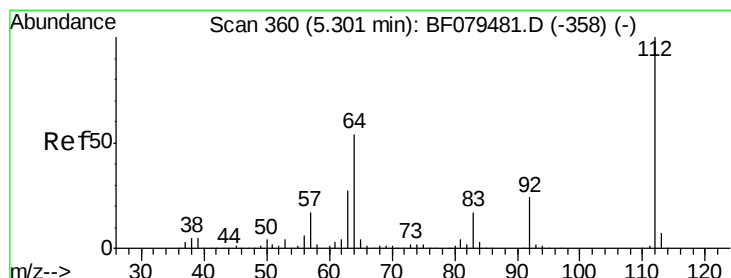
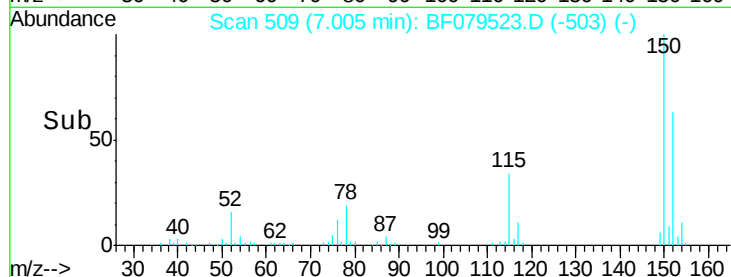
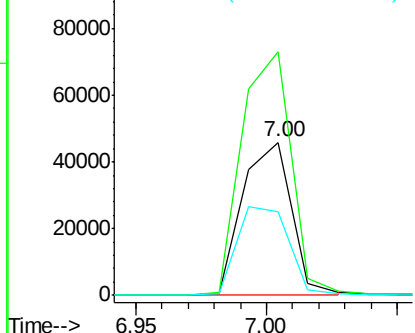
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.00 min Scan# 509
 Delta R.T. -0.00 min
 Lab File: BF079523.D
 Acq: 27 May 2015 17:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-26S

Tgt Ion:152 Resp: 60635
 Ion Ratio Lower Upper
 152 100
 150 159.0 124.0 186.0
 115 54.3 49.6 74.4

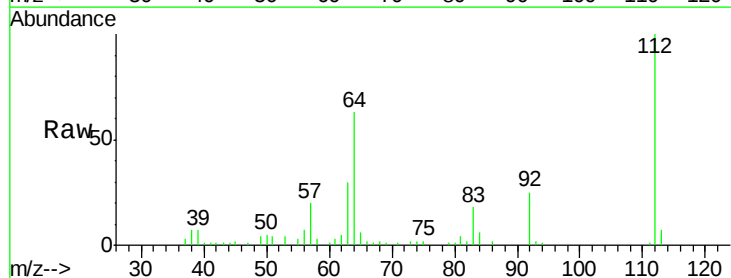


Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E

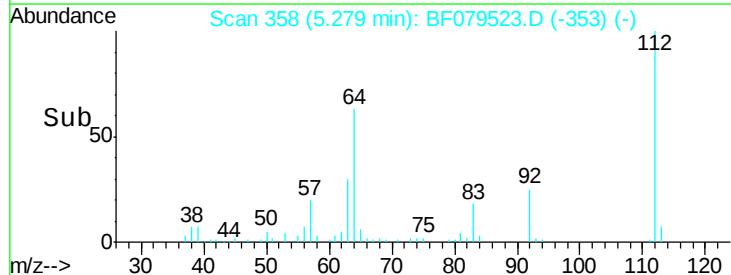
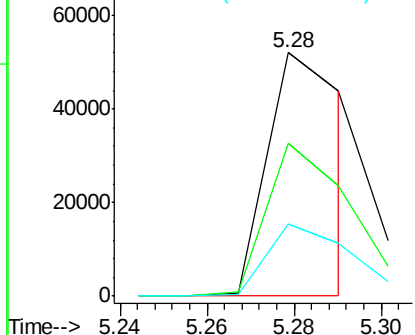


#5
 2-Fluorophenol
 Concen: 18.95 ng
 RT: 5.28 min Scan# 358
 Delta R.T. -0.00 min
 Lab File: BF079523.D
 Acq: 27 May 2015 17:33

Tgt Ion:112 Resp: 66251
 Ion Ratio Lower Upper
 112 100
 64 62.6 43.5 65.3
 63 29.8 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: 23.35 ng

RT: 6.59 min Scan# 473

Delta R.T. -0.00 min

Lab File: BF079523.D

Acq: 27 May 2015 17:33

Instrument :

BNA_F

ClientSampleId :

SB-26S

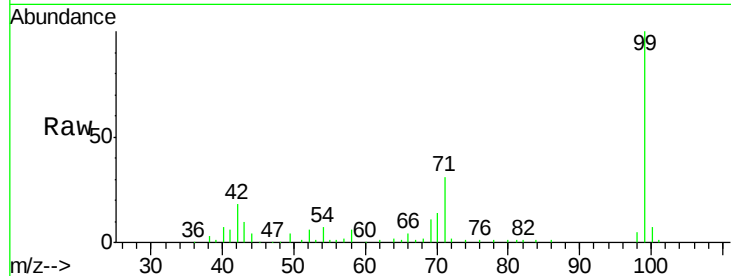
Tgt Ion: 99 Resp: 104037

Ion Ratio Lower Upper

99 100

42 18.4 11.9 17.9#

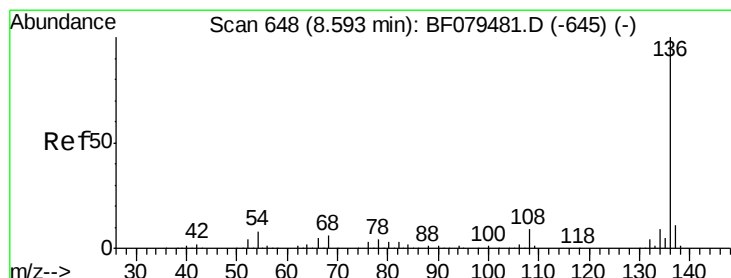
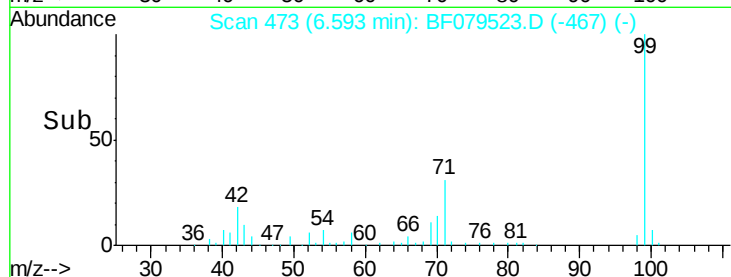
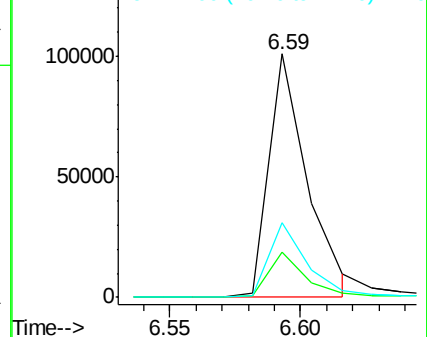
71 30.5 22.1 33.1



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: 8.58 min Scan# 647

Delta R.T. -0.00 min

Lab File: BF079523.D

Acq: 27 May 2015 17:33

Tgt Ion: 136 Resp: 258625

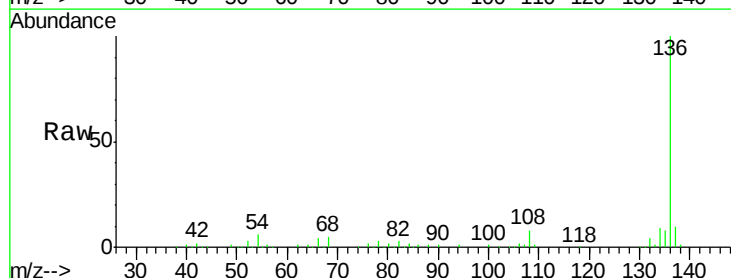
Ion Ratio Lower Upper

136 100

137 10.3 8.5 12.7

54 5.8 6.6 9.8#

68 4.6 4.7 7.1#

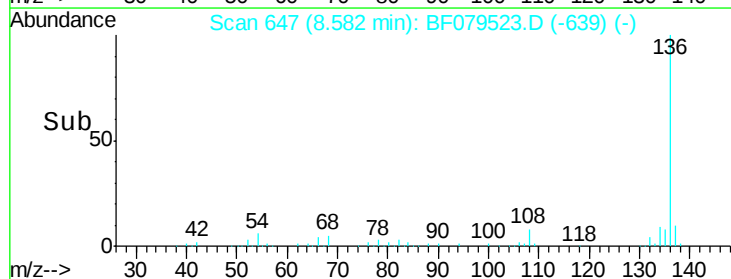
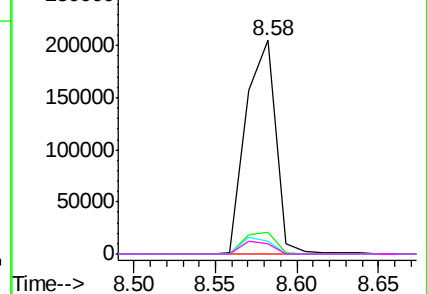


Abundance Ion 136.00 (135.70 to 136.70): E

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

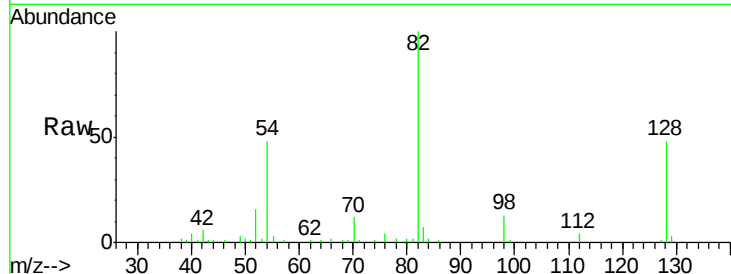




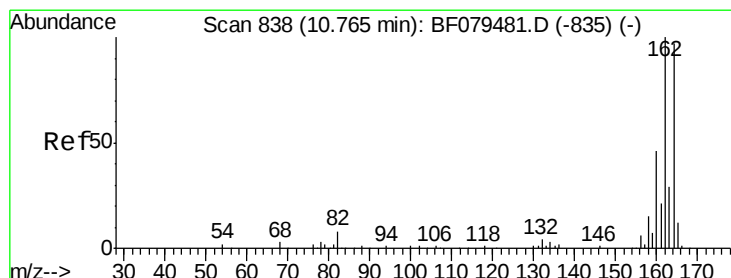
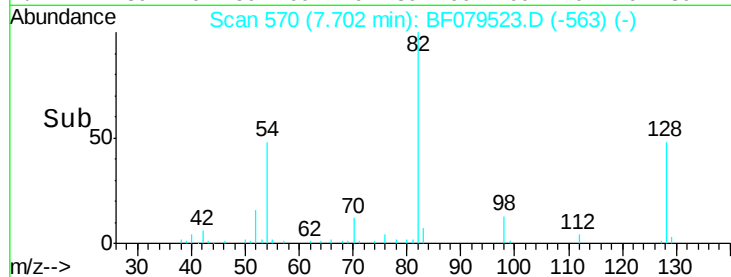
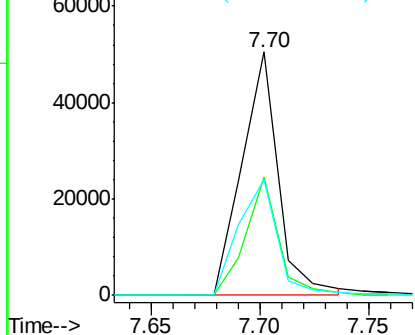
#23
 Nitrobenzene-d5
 Concen: 13.08 ng
 RT: 7.70 min Scan# 570
 Delta R.T. -0.00 min
 Lab File: BF079523.D
 Acq: 27 May 2015 17:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-26S

Tgt Ion	Ratio	Lower	Upper
82	100		
128	48.3	30.8	46.2#
54	47.7	42.8	64.2

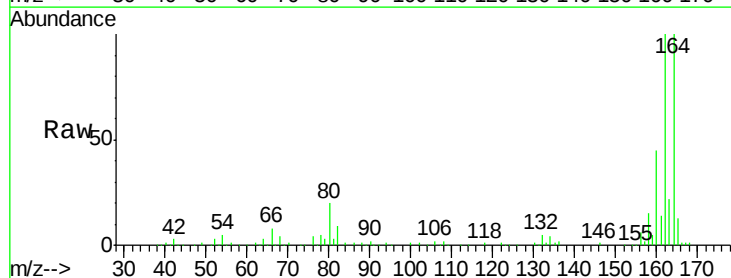


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): E
 Ion 54.00 (53.70 to 54.70): BF0

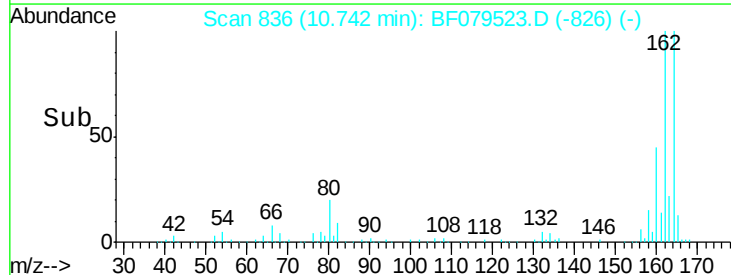
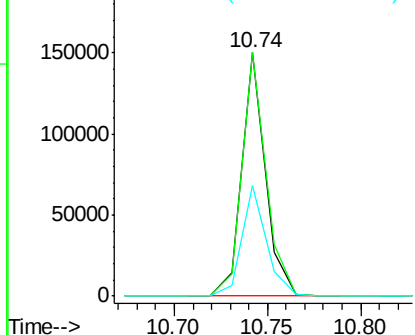


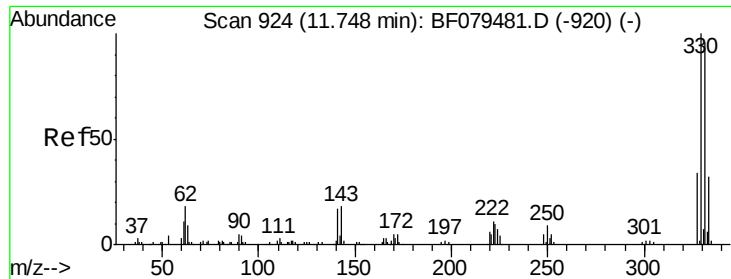
#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.74 min Scan# 836
 Delta R.T. -0.00 min
 Lab File: BF079523.D
 Acq: 27 May 2015 17:33

Tgt Ion	Ratio	Lower	Upper
164	100		
162	100.0	82.6	124.0
160	45.4	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

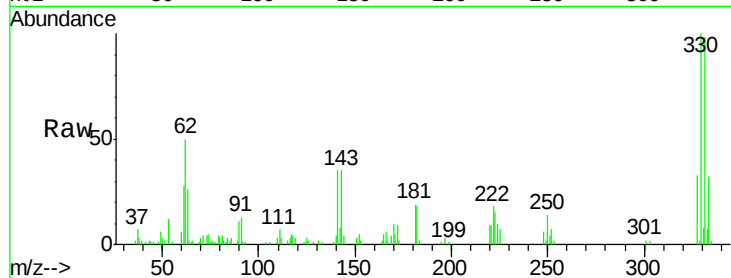




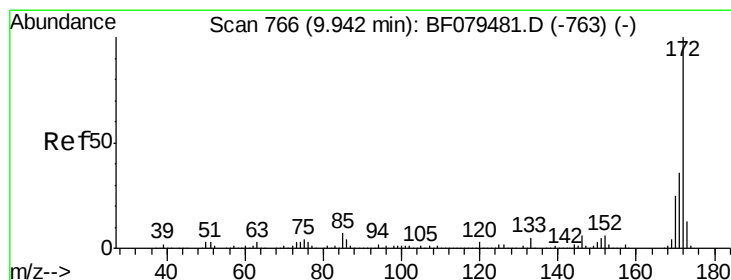
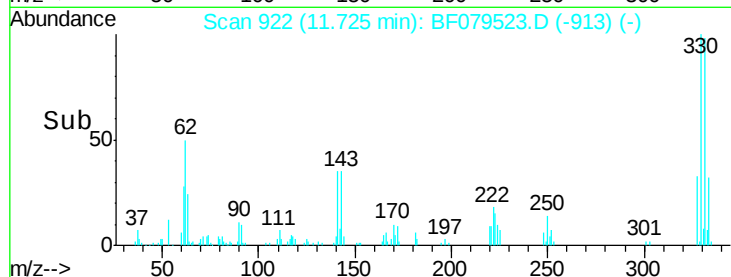
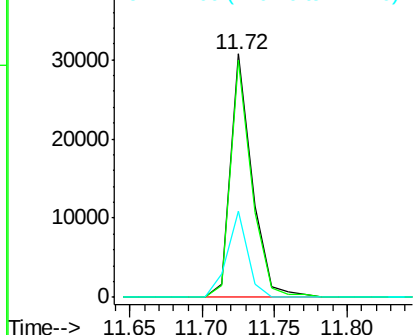
#41
 2,4,6-Tribromophenol
 Concen: 21.87 ng
 RT: 11.72 min Scan# 922
 Delta R.T. -0.01 min
 Lab File: BF079523.D
 Acq: 27 May 2015 17:33

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 ClientSampleId :
 SB-26S

Tgt Ion:330 Resp: 31675
 Ion Ratio Lower Upper
 330 100
 332 95.8 0.0 0.0#
 141 33.6 0.0 0.0#

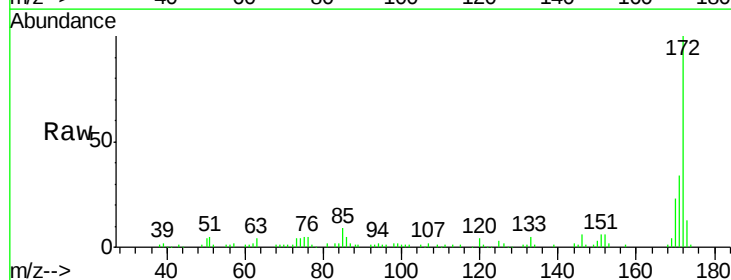


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

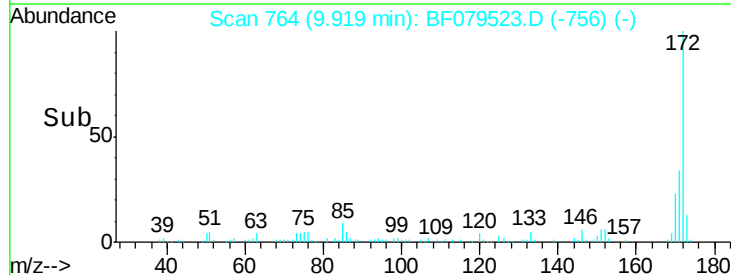
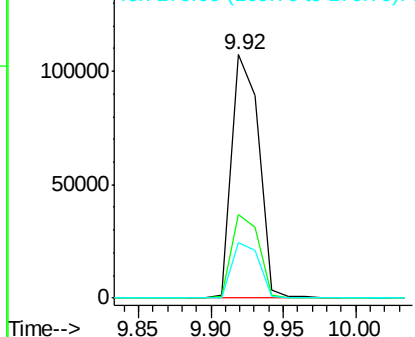


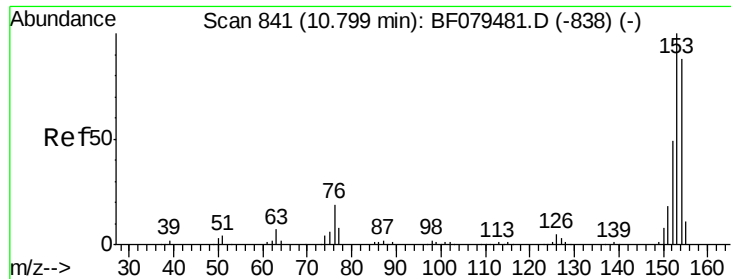
#44
 2-Fluorobiphenyl
 Concen: 15.15 ng
 RT: 9.92 min Scan# 764
 Delta R.T. -0.01 min
 Lab File: BF079523.D
 Acq: 27 May 2015 17:33

Tgt Ion:172 Resp: 139981
 Ion Ratio Lower Upper
 172 100
 171 34.2 28.5 42.7
 170 22.8 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





#51

Acenaphthene

Concen: 2.05 ng

RT: 10.79 min Scan# 840

Delta R.T. -0.00 min

Lab File: BF079523.D

Acq: 27 May 2015 17:33

Instrument :

BNA_F

ClientSampleId :

SB-26S

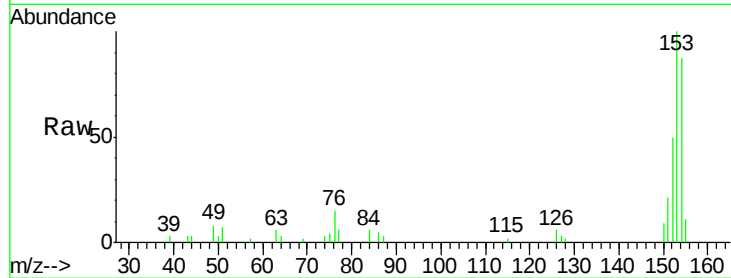
Tgt Ion:154 Resp: 15789

Ion Ratio Lower Upper

154 100

153 114.7 91.1 136.7

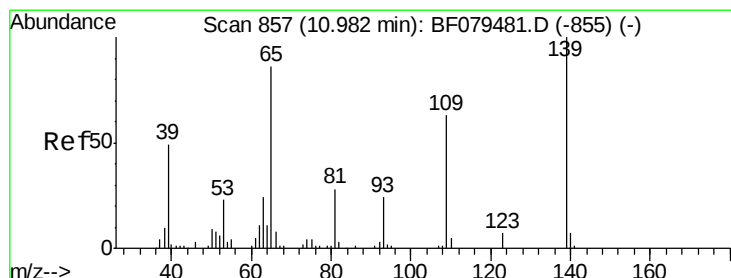
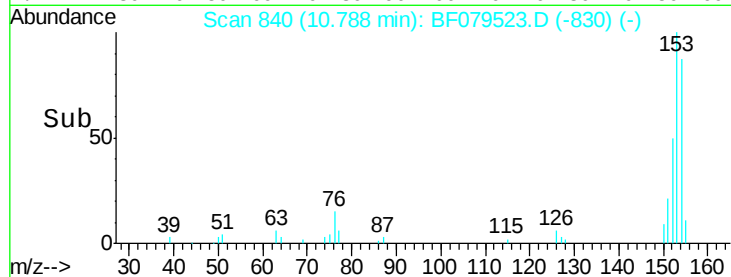
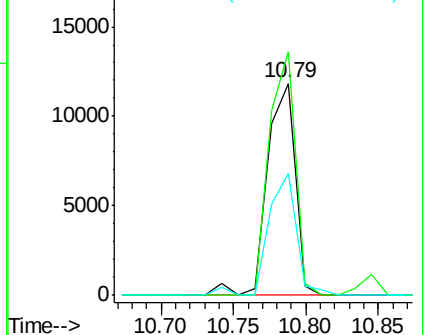
152 57.7 44.6 66.8



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: 3.80 ng

RT: 11.00 min Scan# 859

Delta R.T. 0.03 min

Lab File: BF079523.D

Acq: 27 May 2015 17:33

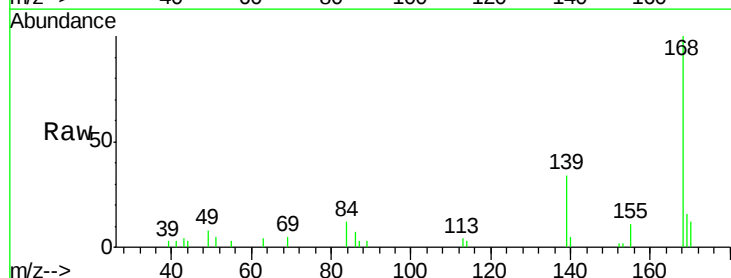
Tgt Ion:139 Resp: 5326

Ion Ratio Lower Upper

139 100

109 0.0 42.8 82.8#

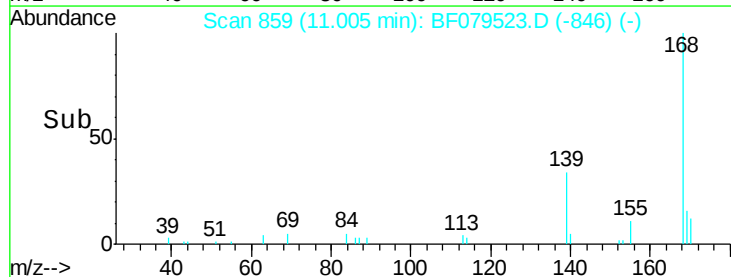
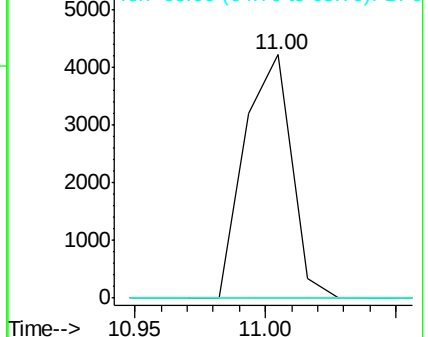
65 0.0 66.3 106.3#

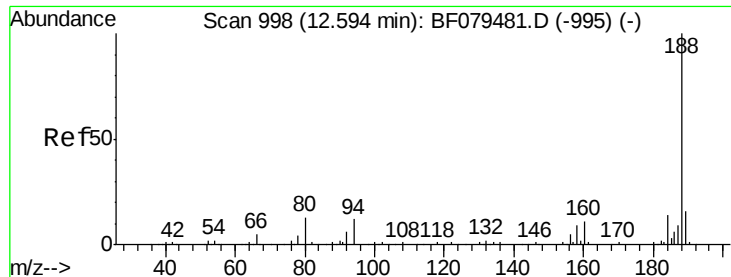


Abundance Ion 139.00 (138.70 to 139.70): E

Ion 109.00 (108.70 to 109.70): E

Ion 65.00 (64.70 to 65.70): BF0

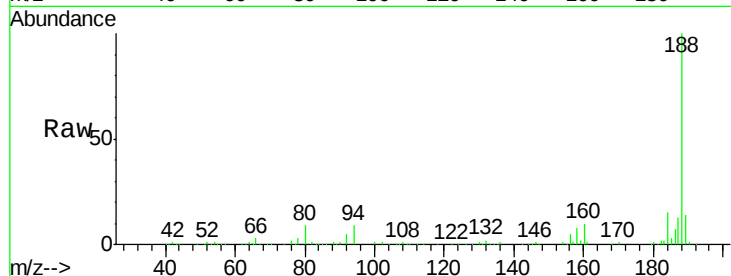




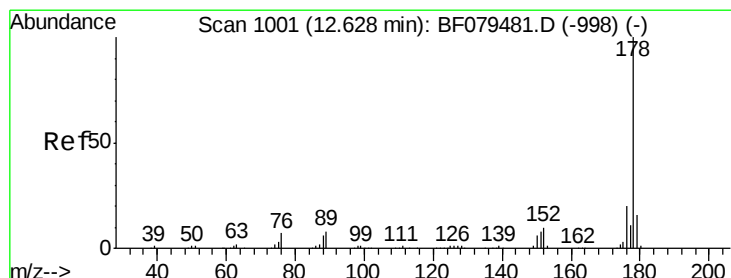
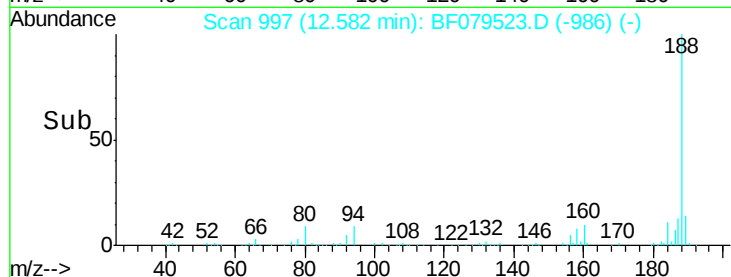
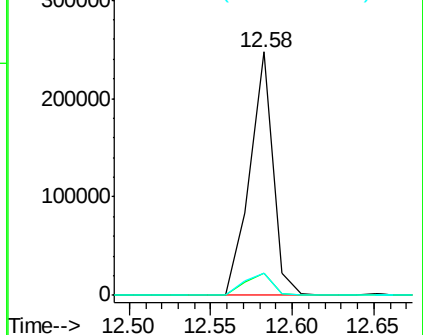
#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.58 min Scan# 997
 Delta R.T. -0.00 min
 Lab File: BF079523.D
 Acq: 27 May 2015 17:33

Instrument :
 BNA_F
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 SB-26S

Tgt Ion:188 Resp: 243879
 Ion Ratio Lower Upper
 188 100
 94 9.3 9.8 14.6#
 80 9.0 10.5 15.7#

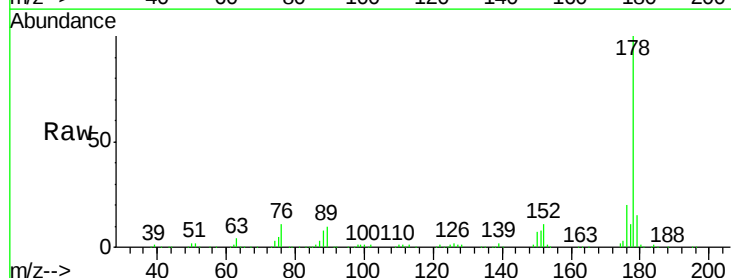


Abundance Ion 188.00 (187.70 to 188.70): E
 Ion 94.00 (93.70 to 94.70): BF0
 Ion 80.00 (79.70 to 80.70): BF0

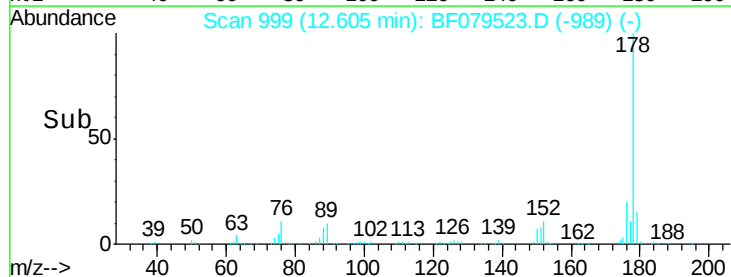
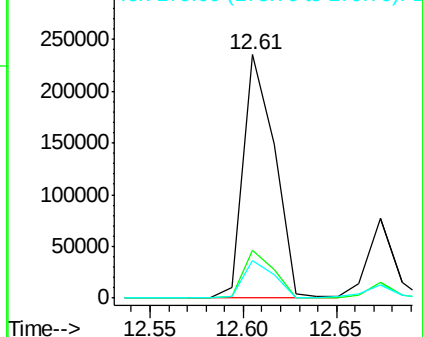


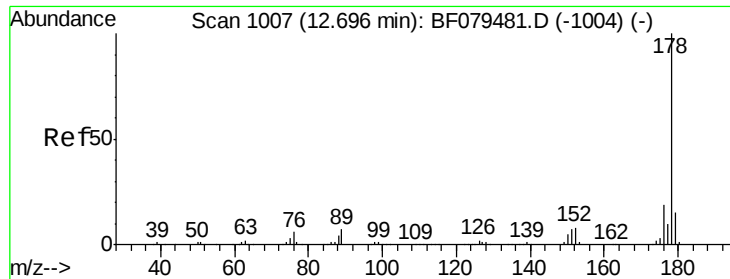
#70
 Phenanthrene
 Concen: 20.58 ng
 RT: 12.61 min Scan# 999
 Delta R.T. -0.01 min
 Lab File: BF079523.D
 Acq: 27 May 2015 17:33

Tgt Ion:178 Resp: 275404
 Ion Ratio Lower Upper
 178 100
 176 19.8 15.7 23.5
 179 15.4 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

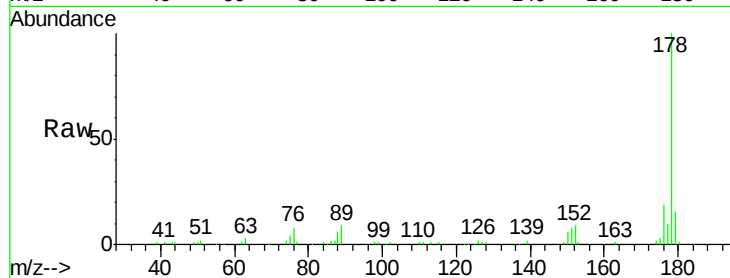




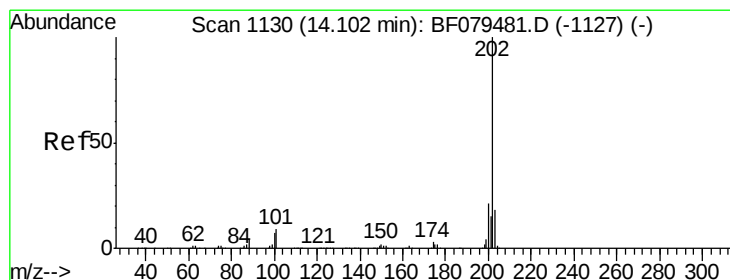
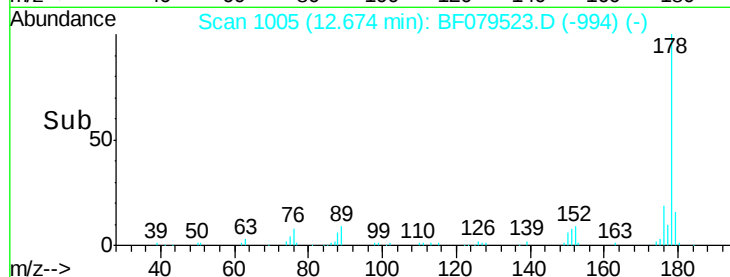
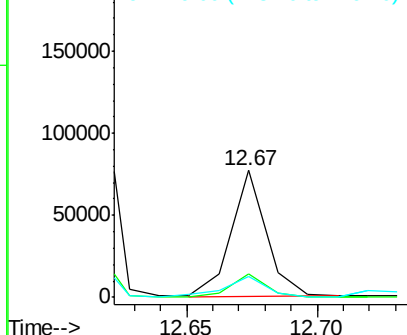
#71
 Anthracene
 Concen: 5.37 ng
 RT: 12.67 min Scan# 1005
 Delta R.T. -0.00 min
 Lab File: BF079523.D
 Acq: 27 May 2015 17:33

Instrument :
 BNA_F
 ClientSampleId :
 SB-26S

Tgt Ion:178 Resp: 72952
 Ion Ratio Lower Upper
 178 100
 176 18.9 15.3 22.9
 179 16.4 12.2 18.4

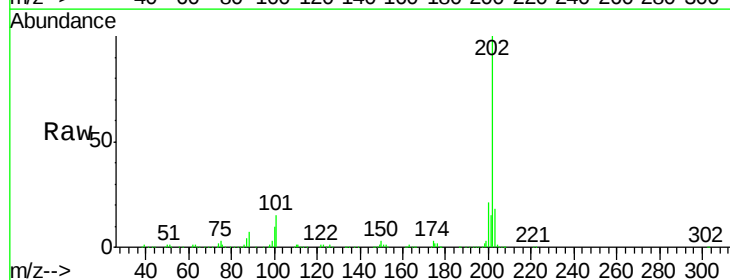


Abundance Ion 178.00 (177.70 to 178.70): E
 Ion 176.00 (175.70 to 176.70): E
 Ion 179.00 (178.70 to 179.70): E

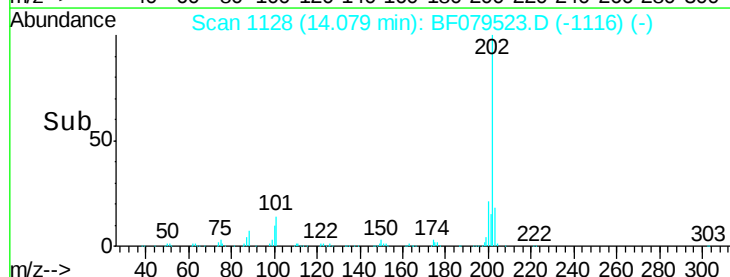
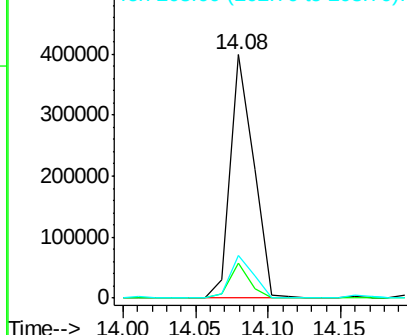


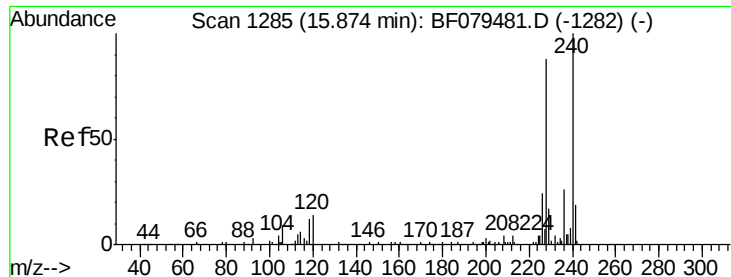
#74
 Fluoranthene
 Concen: 31.02 ng
 RT: 14.08 min Scan# 1128
 Delta R.T. -0.01 min
 Lab File: BF079523.D
 Acq: 27 May 2015 17:33

Tgt Ion:202 Resp: 445028
 Ion Ratio Lower Upper
 202 100
 101 14.6 0.0 29.3
 203 17.8 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. -0.07 min

Lab File: BF079523.D

Acq: 27 May 2015 17:33

Instrument :

BNA_F

ClientSampleId :

SB-26S

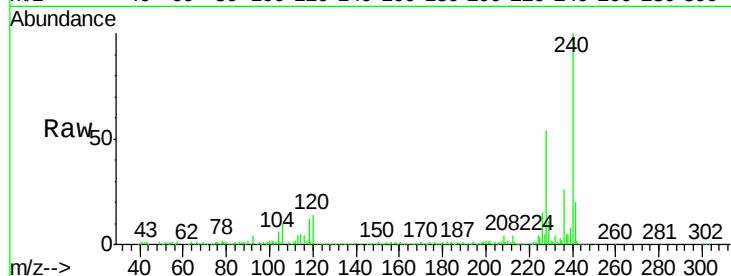
Tgt Ion:240 Resp: 245653

Ion Ratio Lower Upper

240 100

120 14.3 10.8 16.2

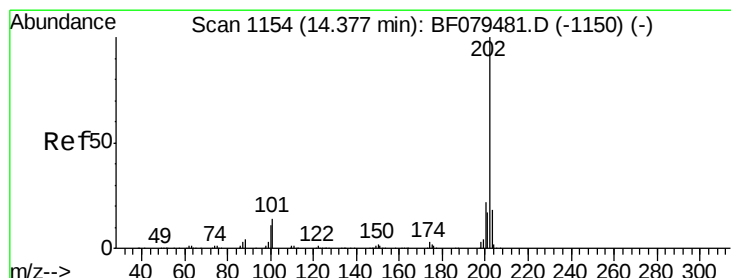
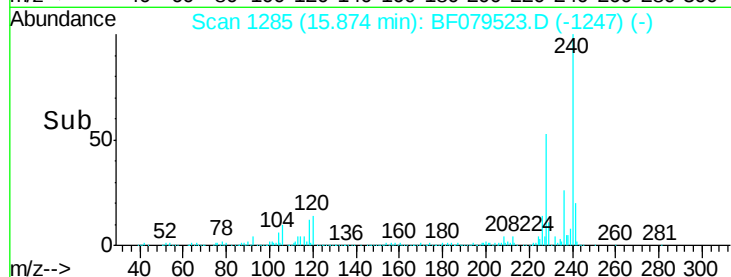
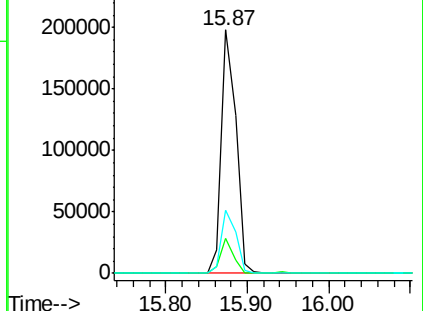
236 25.8 21.0 31.6



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: 27.89 ng

RT: 14.37 min Scan# 1153

Delta R.T. -0.00 min

Lab File: BF079523.D

Acq: 27 May 2015 17:33

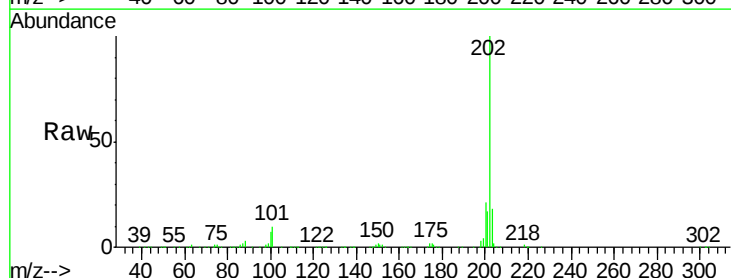
Tgt Ion:202 Resp: 424407

Ion Ratio Lower Upper

202 100

200 21.0 17.5 26.3

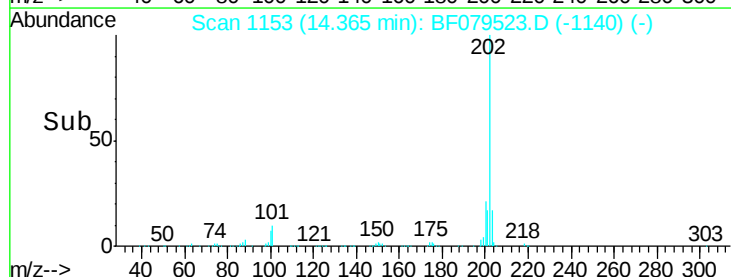
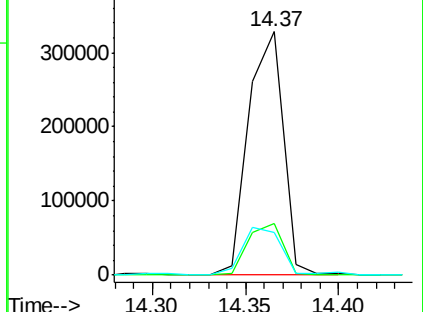
203 17.6 14.4 21.6

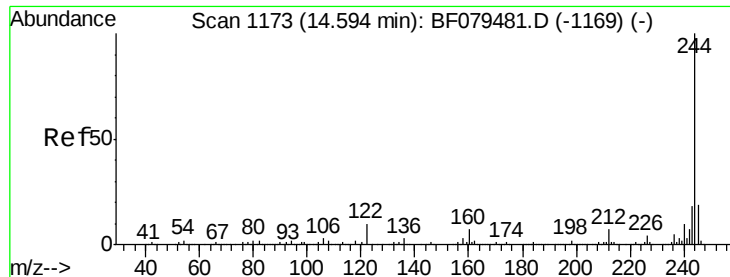


Abundance Ion 202.00 (201.70 to 202.70): E

Ion 200.00 (199.70 to 200.70): E

Ion 203.00 (202.70 to 203.70): E

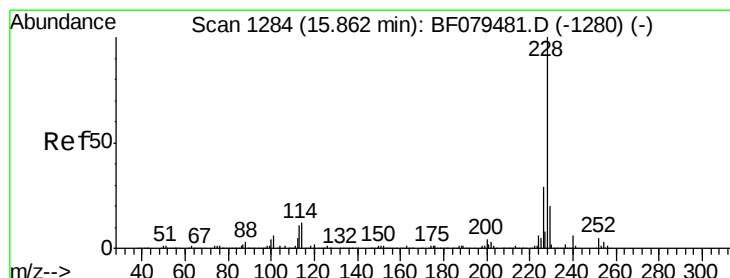
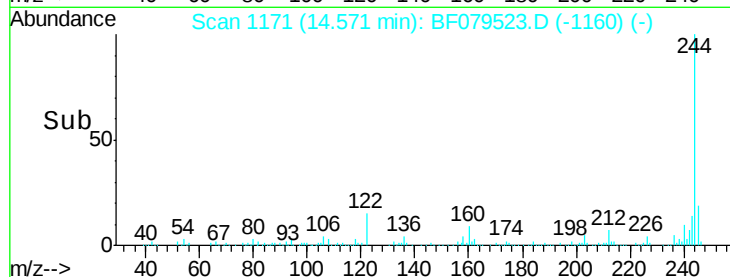
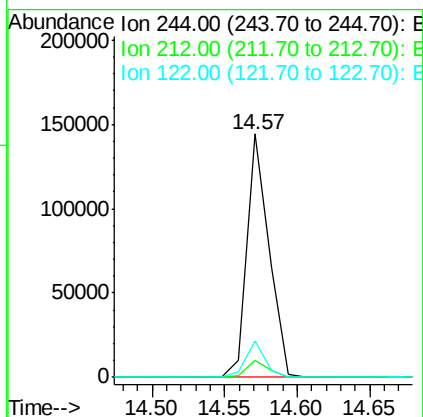
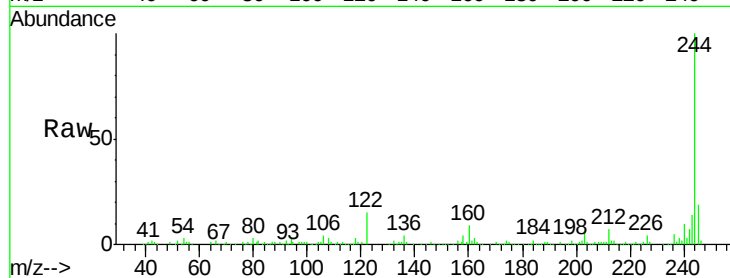




#78
 Terphenyl-d14
 Concen: 14.58 ng
 RT: 14.57 min Scan# 1171
 Delta R.T. -0.02 min
 Lab File: BF079523.D
 Acq: 27 May 2015 17:33

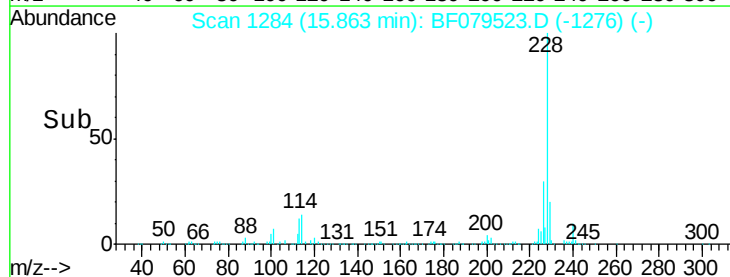
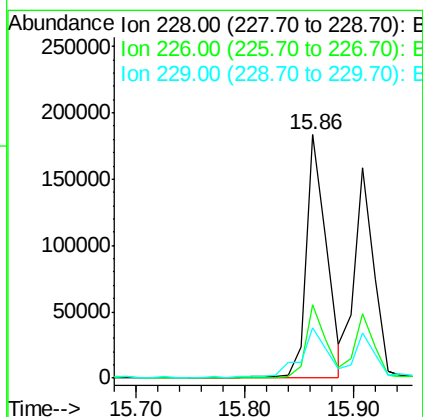
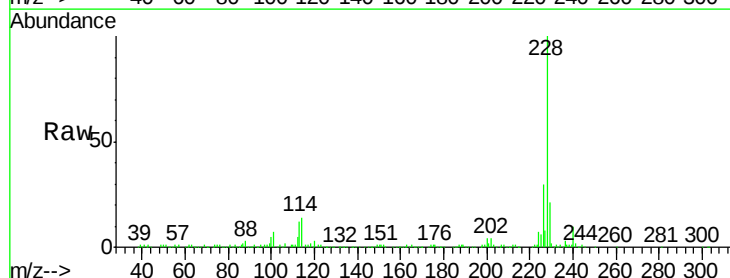
Instrument :
 BNA_F
 ClientSampleId :
 SB-26S

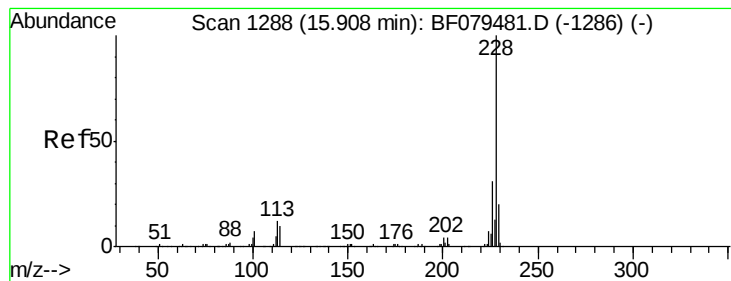
Tgt Ion	Ratio	Lower	Upper
244	100		
212	7.1	5.2	7.8
122	14.7	8.0	12.0



#80
 Benzo(a)anthracene
 Concen: 16.77 ng
 RT: 15.86 min Scan# 1284
 Delta R.T. -0.07 min
 Lab File: BF079523.D
 Acq: 27 May 2015 17:33

Tgt Ion	Ratio	Lower	Upper
228	100		
226	30.4	22.8	34.2
229	20.7	15.9	23.9





#82

Chrysene

Concen: 14.53 ng

RT: 15.91 min Scan# 1288

Delta R.T. -0.07 min

Lab File: BF079523.D

Acq: 27 May 2015 17:33

Instrument :

BNA_F

ClientSampleId :

SB-26S

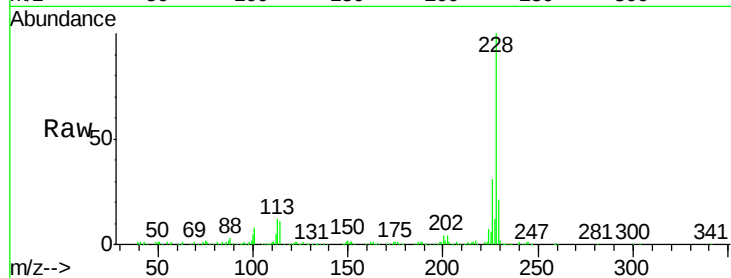
Tgt Ion:228 Resp: 195232

Ion Ratio Lower Upper

228 100

226 30.6 25.0 37.4

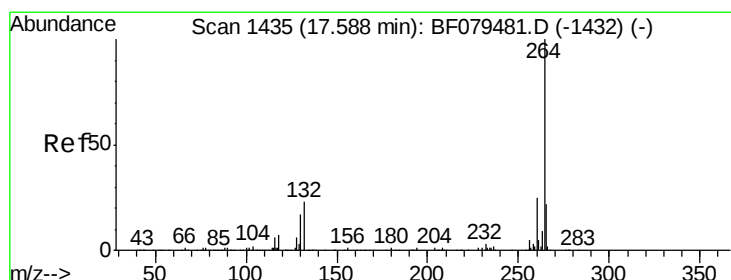
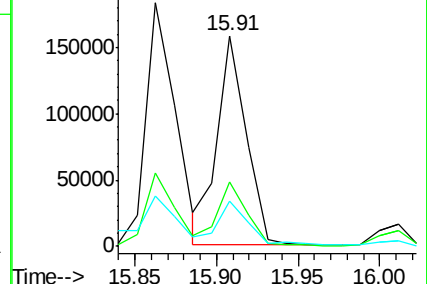
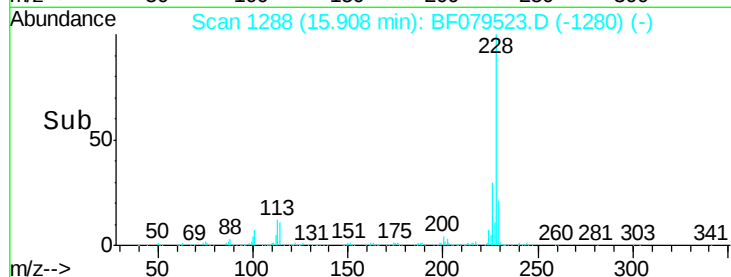
229 21.2 15.9 23.9



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



#86

Perylene-d12

Concen: 20.00 ng

RT: 17.68 min Scan# 1443

Delta R.T. -0.21 min

Lab File: BF079523.D

Acq: 27 May 2015 17:33

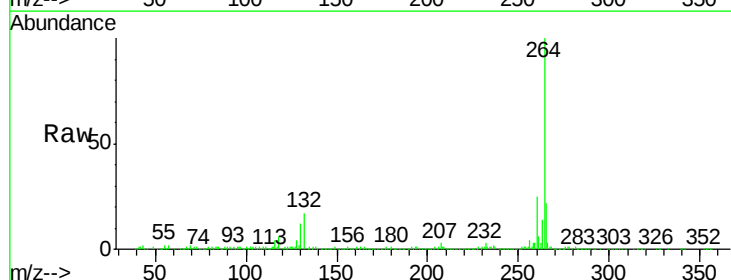
Tgt Ion:264 Resp: 266838

Ion Ratio Lower Upper

264 100

260 24.9 19.8 29.8

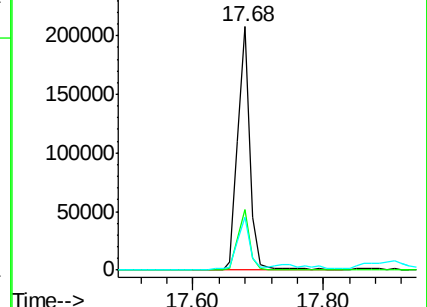
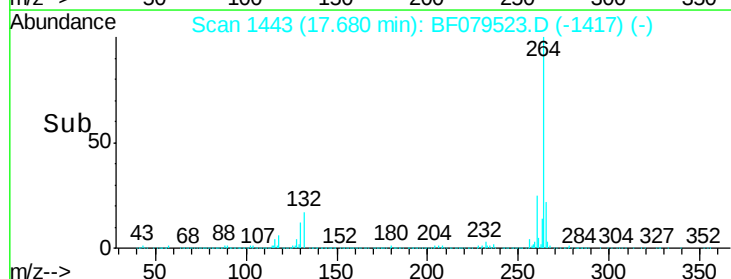
265 21.9 17.8 26.6

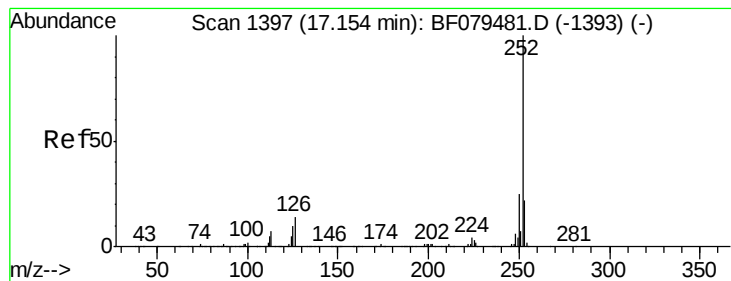


Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E





#87

Benzo(b)fluoranthene

Concen: 25.88 ng

RT: 17.21 min Scan# 1402

Delta R.T. -0.17 min

Lab File: BF079523.D

Acq: 27 May 2015 17:33

Instrument :

BNA_F

ClientSampleId :

SB-26S

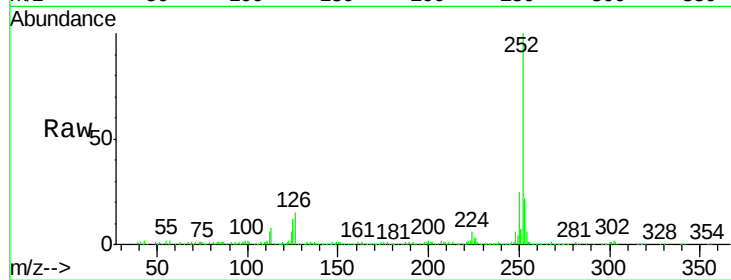
Tgt Ion:252 Resp: 393852

Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

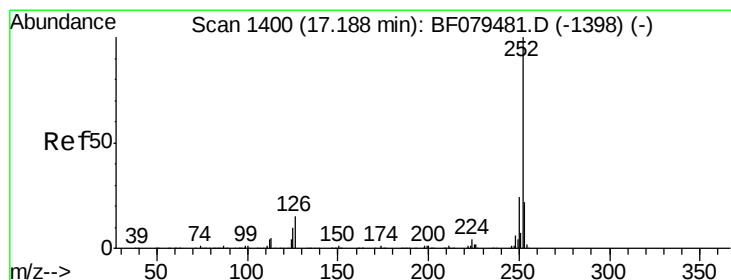
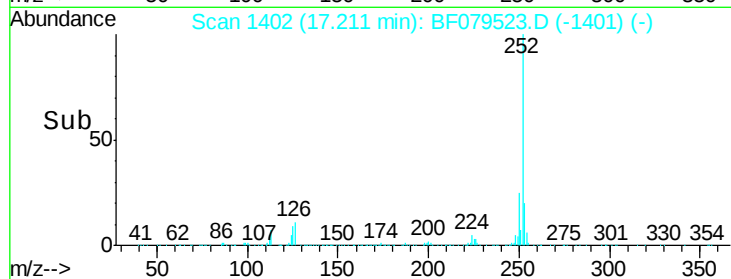
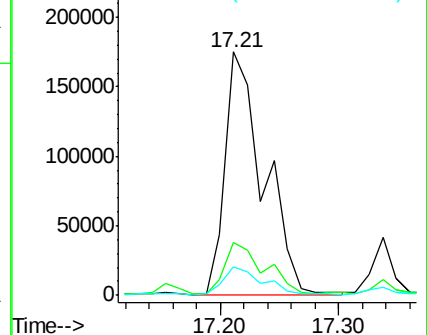
125 11.5 7.8 11.6



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: 28.94 ng

RT: 17.21 min Scan# 1402

Delta R.T. -0.21 min

Lab File: BF079523.D

Acq: 27 May 2015 17:33

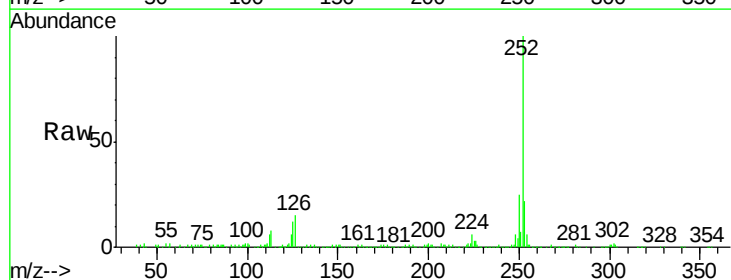
Tgt Ion:252 Resp: 393852

Ion Ratio Lower Upper

252 100

253 21.8 17.2 25.8

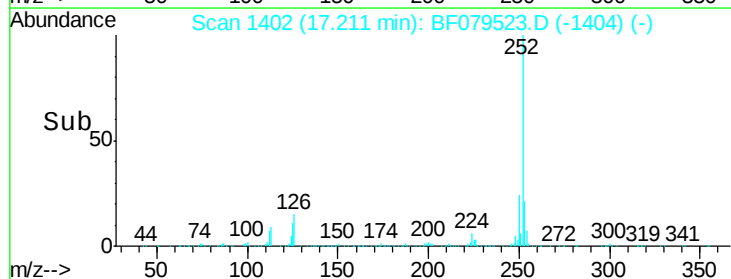
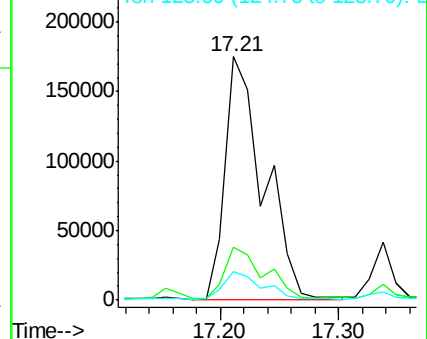
125 11.5 6.8 10.2#

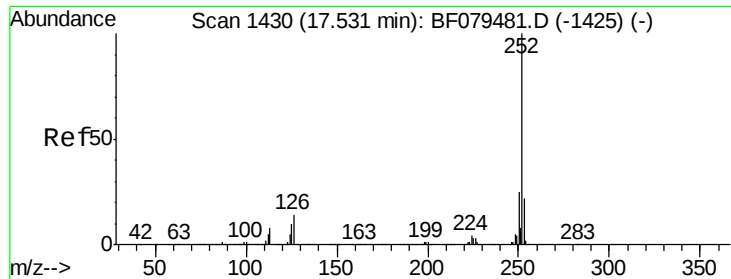


Abundance Ion 252.00 (251.70 to 252.70): E

Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E





#89

Benzo(a)pyrene

Concen: 15.71 ng

RT: 17.61 min Scan# 1437

Delta R.T. -0.19 min

Lab File: BF079523.D

Acq: 27 May 2015 17:33

Instrument :

BNA_F

ClientSampled :

SB-26S

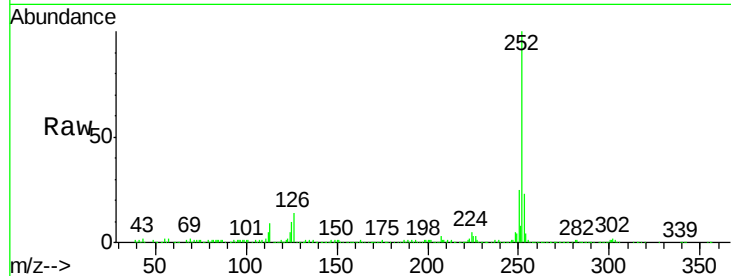
Tgt Ion:252 Resp: 226382

Ion Ratio Lower Upper

252 100

253 22.9 17.8 26.8

125 10.4 7.9 11.9

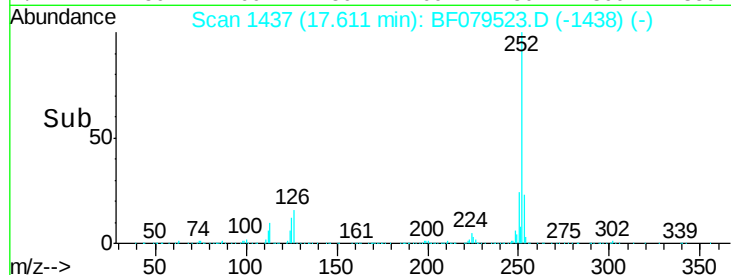


Abundance Ion 252.00 (251.70 to 252.70): E

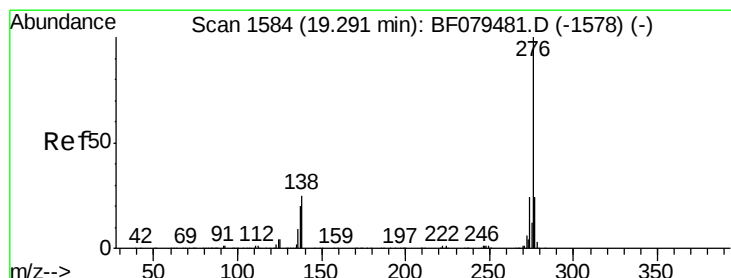
Ion 253.00 (252.70 to 253.70): E

Ion 125.00 (124.70 to 125.70): E

Time-->



Time-->



#91

Benzo(g,h,i)perylene

Concen: 9.55 ng

RT: 19.41 min Scan# 1594

Delta R.T. -0.29 min

Lab File: BF079523.D

Acq: 27 May 2015 17:33

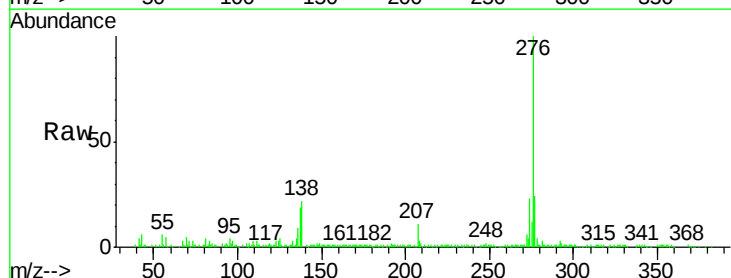
Tgt Ion:276 Resp: 158372

Ion Ratio Lower Upper

276 100

277 24.3 19.1 28.7

138 22.2 20.1 30.1

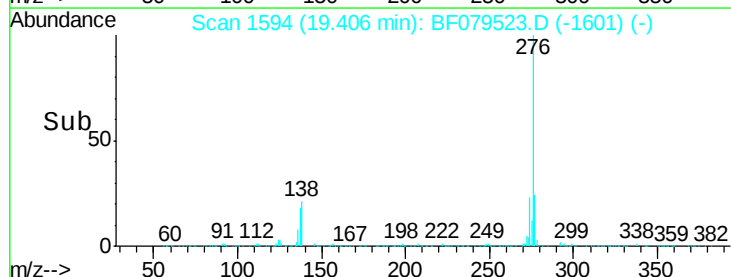


Abundance Ion 276.00 (275.70 to 276.70): E

Ion 277.00 (276.70 to 277.70): E

Ion 138.00 (137.70 to 138.70): E

Time-->



Time-->