

Data Path : Z:\HPCHEM1\BNA_F\DATA\BF052615\
 Data File : BF079498.D
 Acq On : 27 May 2015 2:52
 Operator : TP/IZ
 Sample : G2289-15 5X
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-32S

Quant Time: May 27 05:04:14 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	66011	20.00	ng	0.00
21) Naphthalene-d8	8.59	136	273368	20.00	ng	0.00
38) Acenaphthene-d10	10.76	164	133732	20.00	ng	0.00
63) Phenanthrene-d10	12.60	188	256668	20.00	ng	0.01
75) Chrysene-d12	15.87	240	280295	20.00	ng	0.00
86) Perylene-d12	17.57	264	292266	20.00	ng	-0.02

System Monitoring Compounds	R.T.	QIon	Response	Conc	Units	Dev(Min)
5) 2-Fluorophenol	0.00	112	0	0.00	ng	
7) Phenol-d6	6.62	99	101710	20.97	ng	0.00
23) Nitrobenzene-d5	7.71	82	58308	12.33	ng	0.00
41) 2,4,6-Tribromophenol	11.75	330	30659	20.87	ng	0.00
44) 2-Fluorobiphenyl	9.94	172	141428	15.09	ng	0.00
78) Terphenyl-d14	14.59	244	164326	13.76	ng	0.00

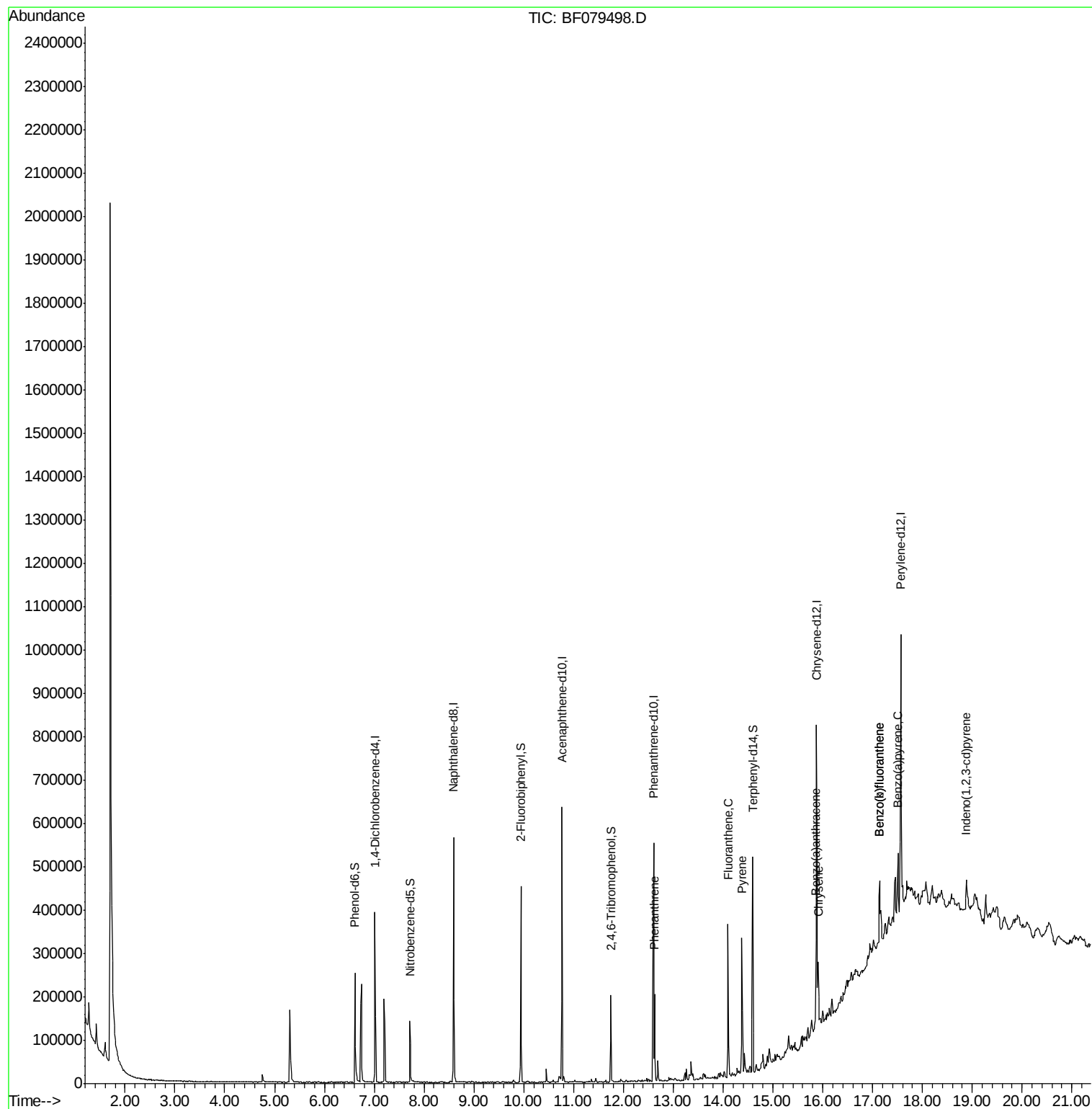
Target Compounds	R.T.	QIon	Response	Conc	Units	Qvalue
70) Phenanthrene	12.63	178	80596	5.72	ng	98
73) Di-n-butylphthalate	13.36	149	1568	Below Cal	#	78
74) Fluoranthene	14.10	202	151599	10.04	ng	96
77) Pyrene	14.38	202	142599	8.21	ng	96
80) Benzo(a)anthracene	15.86	228	76071	4.72	ng	97
82) Chrysene	15.91	228	61850	4.04	ng	97
85) Indeno(1,2,3-cd)pyrene	18.88	276	54706	2.77	ng	96
87) Benzo(b)fluoranthene	17.14	252	129324	7.76	ng	# 95
88) Benzo(k)fluoranthene	17.14	252	129324	8.68	ng	# 93
89) Benzo(a)pyrene	17.51	252	75849	3.41	ng	# 96
90) Dibenzo(a,h)anthracene	18.90	278	15489	Below Cal	#	70

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

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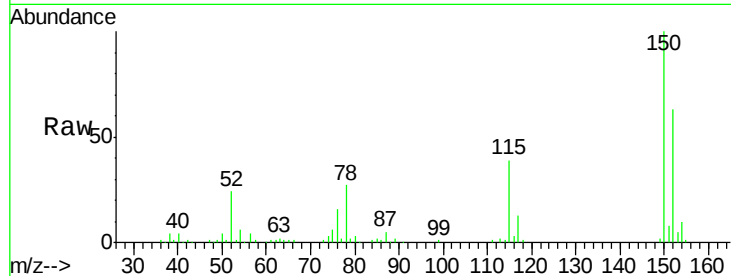




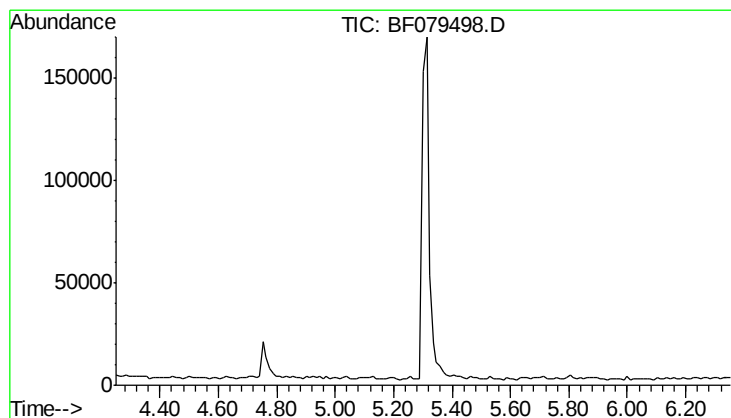
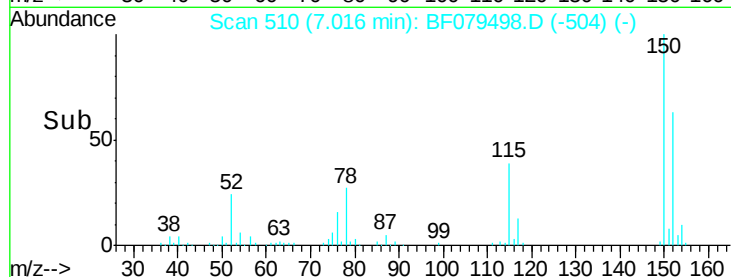
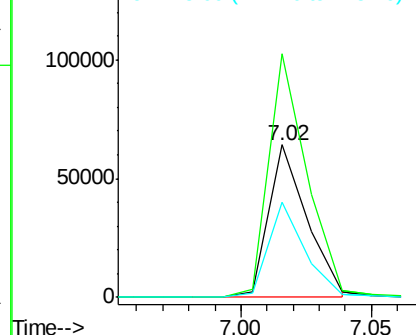
#1
 1,4-Dichlorobenzene-d4
 Concen: 20.00 ng
 RT: 7.02 min Scan# 510
 Delta R.T. -0.00 min
 Lab File: BF079498.D
 Acq: 27 May 2015 2:52

Instrument :
 BNA_F
 ClientSampleId :
 SB-32S

Tgt Ion:152 Resp: 66011
 Ion Ratio Lower Upper
 152 100
 150 159.6 124.0 186.0
 115 62.1 49.6 74.4

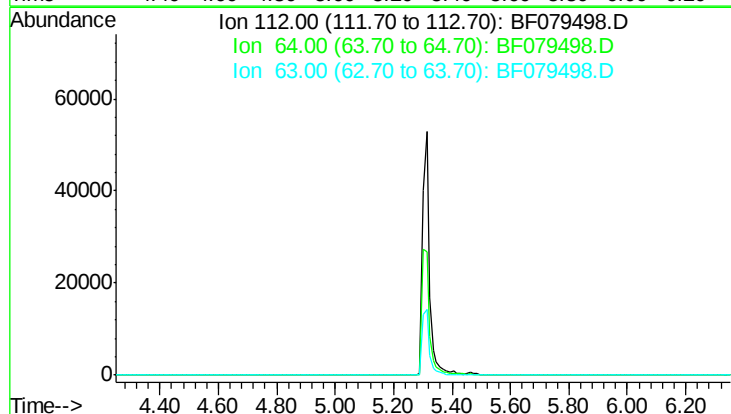


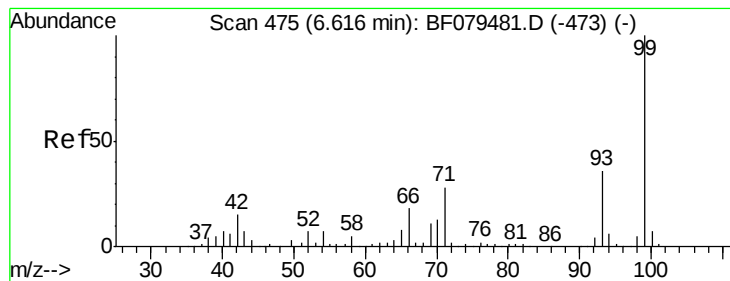
Abundance Ion 152.00 (151.70 to 152.70): E
 Ion 150.00 (149.70 to 150.70): E
 Ion 115.00 (114.70 to 115.70): E



#5
 2-Fluorophenol
 Concen: 0.00 ng
 Expected RT: 5.30 min
 Lab File: BF079498.D
 Acq: 27 May 2015 2:52

Tgt Ion: 112
 Sig Exp Ratio
 112 100
 64 54.4
 63 27.3





#7

Phenol-d6

Concen: 20.97 ng

RT: 6.62 min Scan# 475

Delta R.T. -0.00 min

Lab File: BF079498.D

Acq: 27 May 2015 2:52

Instrument :

BNA_F

ClientSampled :

SB-32S

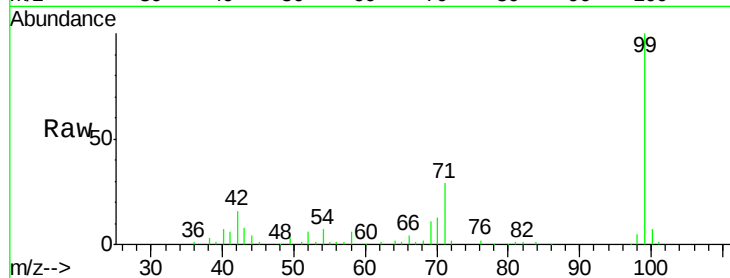
Tgt Ion: 99 Resp: 101710

Ion Ratio Lower Upper

99 100

42 16.2 11.9 17.9

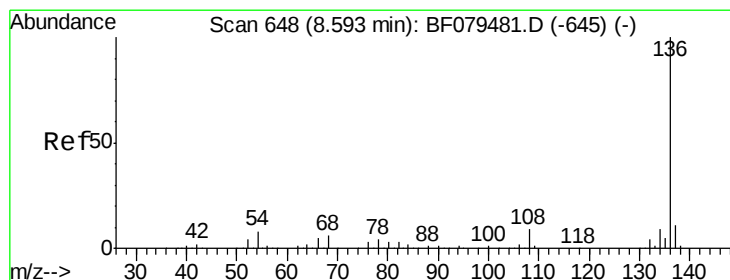
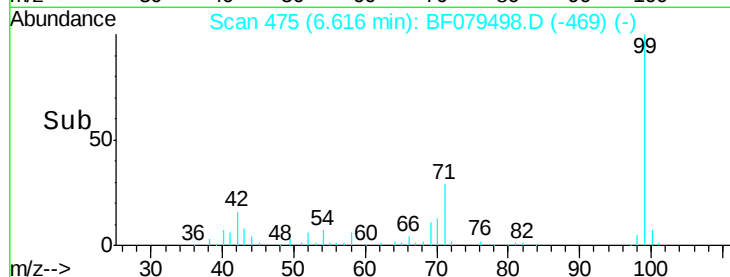
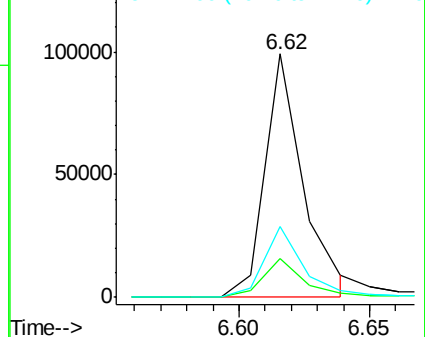
71 28.9 22.1 33.1



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: BF079498.D

Acq: 27 May 2015 2:52

Tgt Ion: 136 Resp: 273368

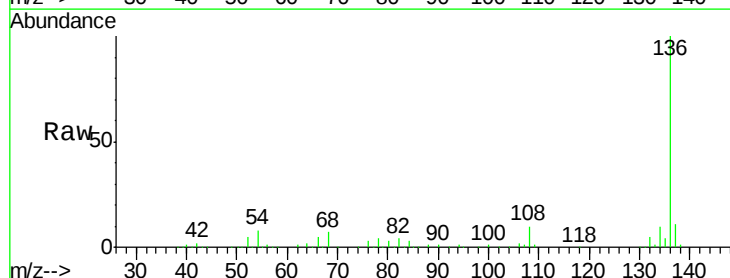
Ion Ratio Lower Upper

136 100

137 10.8 8.5 12.7

54 8.2 6.6 9.8

68 6.9 4.7 7.1

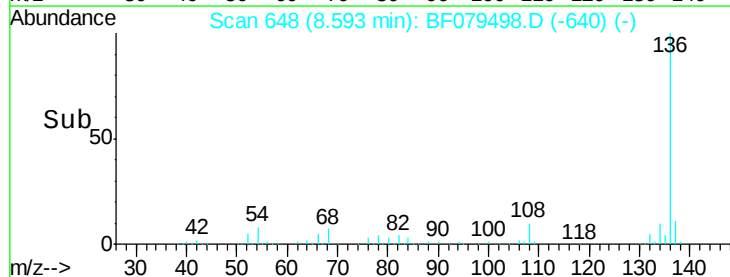
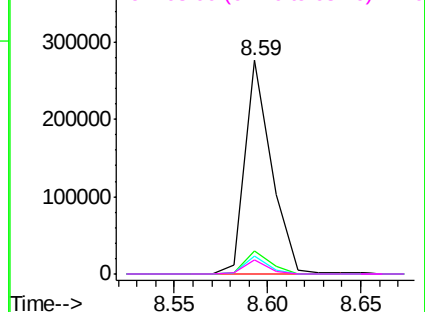


Abundance Ion 136.00 (135.70 to 136.70): E

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

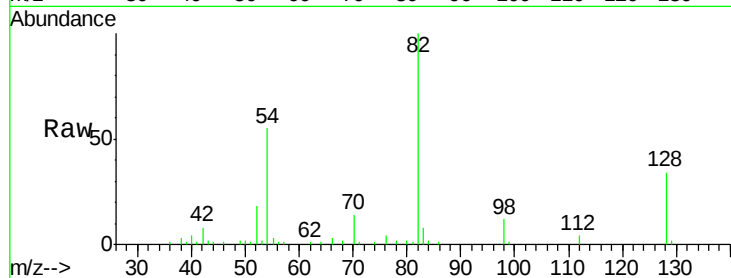




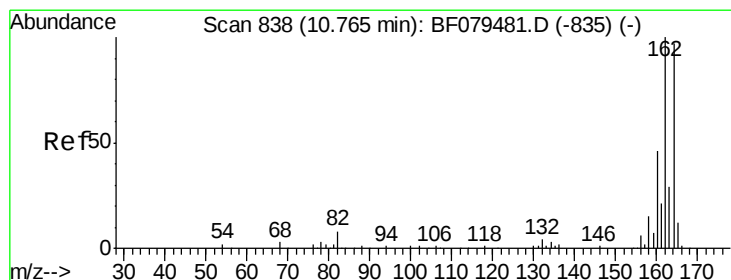
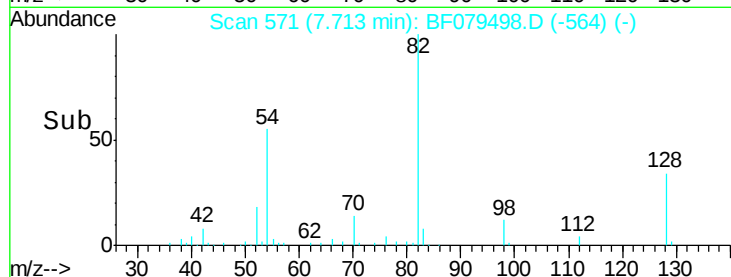
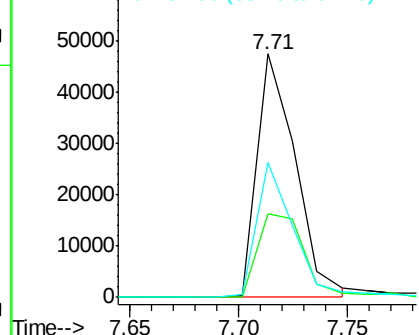
#23
 Nitrobenzene-d5
 Concen: 12.33 ng
 RT: 7.71 min Scan# 571
 Delta R.T. -0.00 min
 Lab File: BF079498.D
 Acq: 27 May 2015 2:52

Instrument :
 BNA_F
 ClientSampleId :
 SB-32S

Tgt Ion	Ratio	Lower	Upper
82	100		
128	34.2	30.8	46.2
54	55.3	42.8	64.2

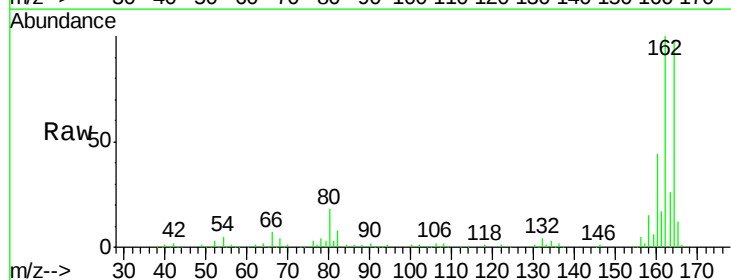


Abundance Ion 82.00 (81.70 to 82.70): BF0
 Ion 128.00 (127.70 to 128.70): B
 Ion 54.00 (53.70 to 54.70): BF0

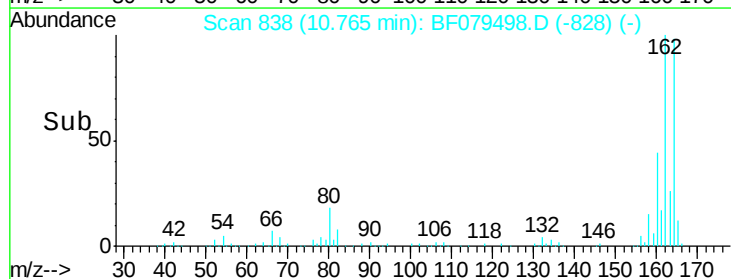
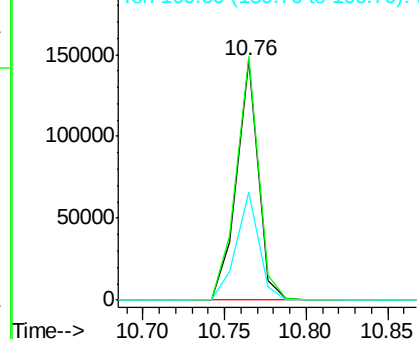


#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.76 min Scan# 838
 Delta R.T. -0.00 min
 Lab File: BF079498.D
 Acq: 27 May 2015 2:52

Tgt Ion	Ratio	Lower	Upper
164	100		
162	101.7	82.6	124.0
160	44.9	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

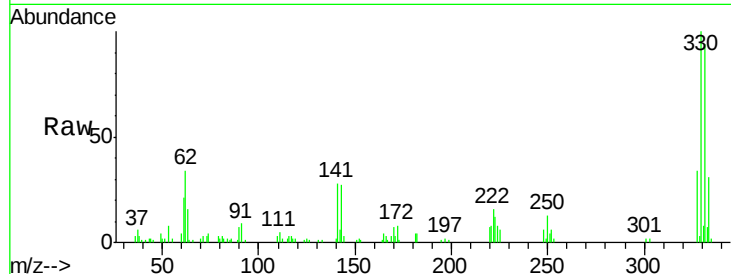




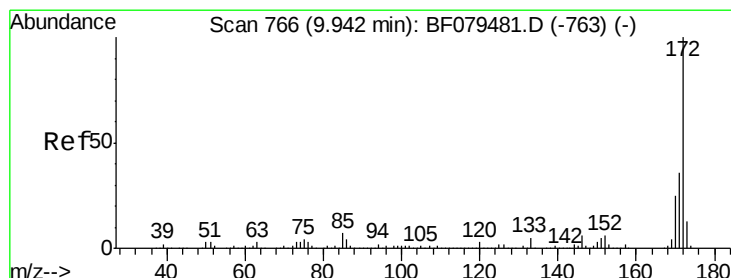
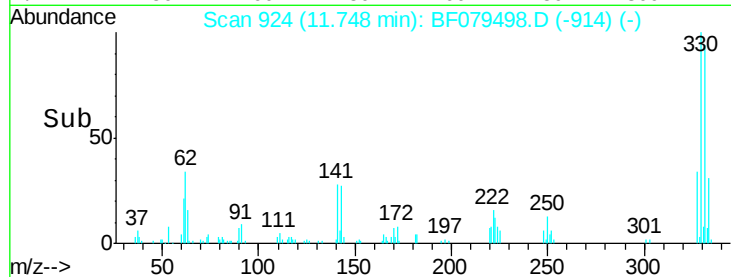
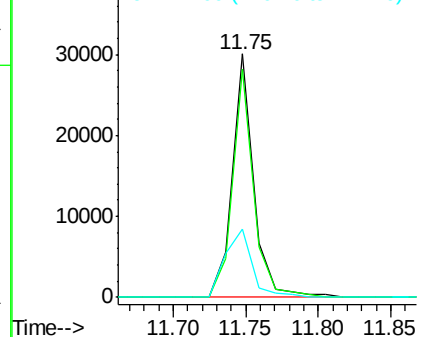
#41
 2,4,6-Tribromophenol
 Concen: 20.87 ng
 RT: 11.75 min Scan# 924
 Delta R.T. -0.00 min
 Lab File: BF079498.D
 Acq: 27 May 2015 2:52

Instrument :
 BNA_F
 ClientSampleId :
 SB-32S

Tgt Ion	Ratio	Lower	Upper
330	100		
332	92.8	0.0	0.0#
141	35.6	0.0	0.0#

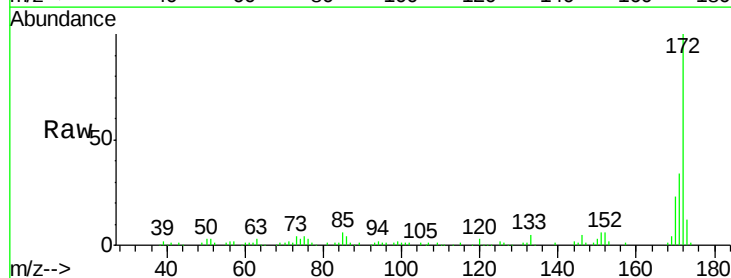


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

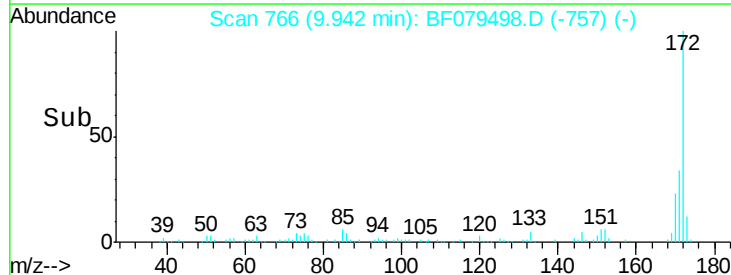
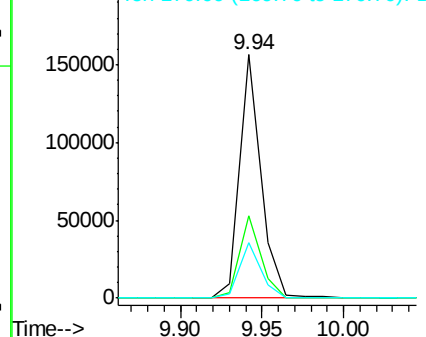


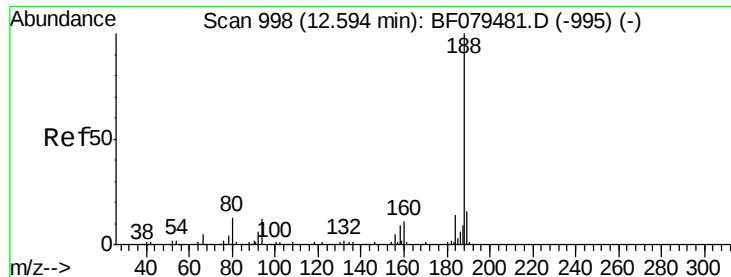
#44
 2-Fluorobiphenyl
 Concen: 15.09 ng
 RT: 9.94 min Scan# 766
 Delta R.T. -0.00 min
 Lab File: BF079498.D
 Acq: 27 May 2015 2:52

Tgt Ion	Ratio	Lower	Upper
172	100		
171	33.6	28.5	42.7
170	22.9	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

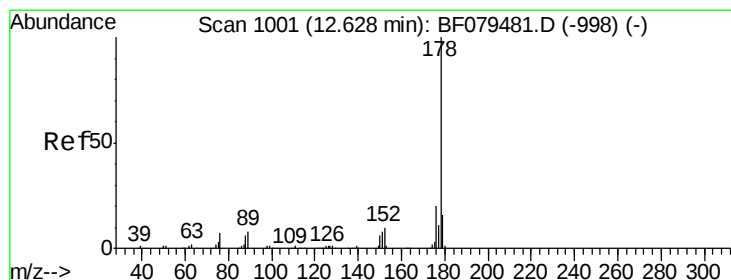
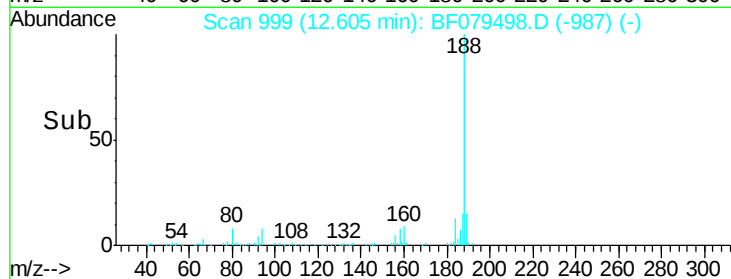
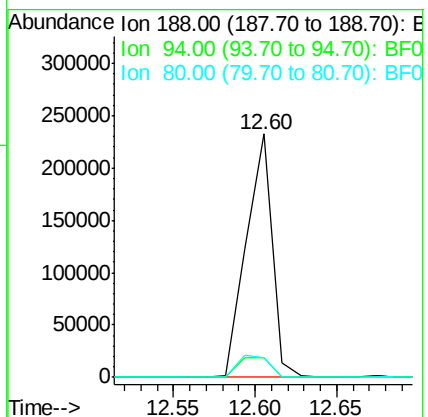
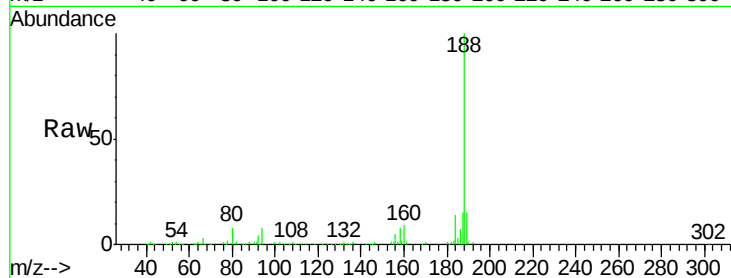




#63
 Phenanthrene-d10
 Concen: 20.00 ng
 RT: 12.60 min Scan# 999
 Delta R.T. 0.01 min
 Lab File: BF079498.D
 Acq: 27 May 2015 2:52

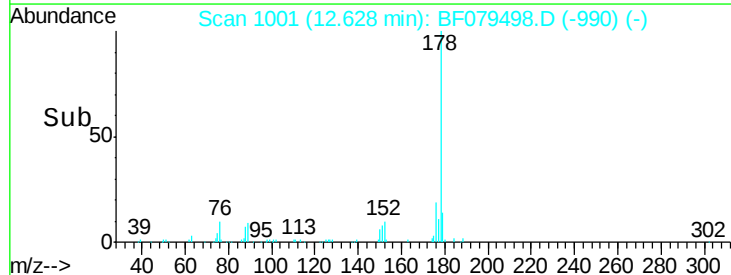
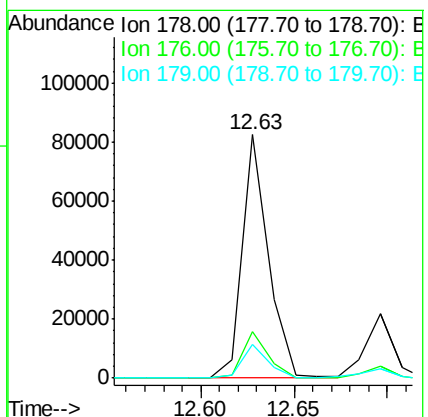
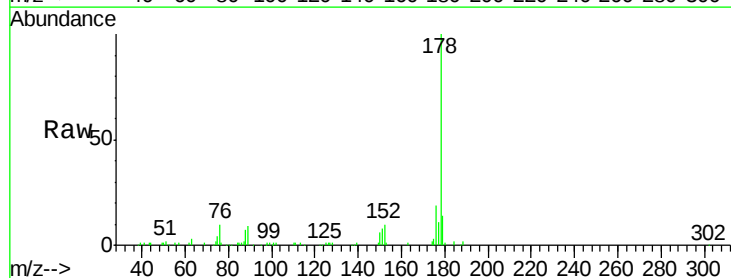
Instrument :
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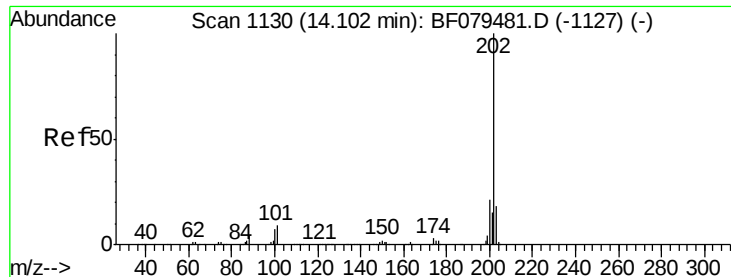
Tgt Ion:188 Resp: 256668
 Ion Ratio Lower Upper
 188 100
 94 8.0 9.8 14.6#
 80 8.0 10.5 15.7#



#70
 Phenanthrene
 Concen: 5.72 ng
 RT: 12.63 min Scan# 1001
 Delta R.T. -0.00 min
 Lab File: BF079498.D
 Acq: 27 May 2015 2:52

Tgt Ion:178 Resp: 80596
 Ion Ratio Lower Upper
 178 100
 176 19.1 15.7 23.5
 179 14.1 12.4 18.6





#74

Fluoranthene

Concen: 10.04 ng

RT: 14.10 min Scan# 1130

Delta R.T. -0.00 min

Lab File: BF079498.D

Acq: 27 May 2015 2:52

Instrument :

BNA_F

ClientSampleId :

SB-32S

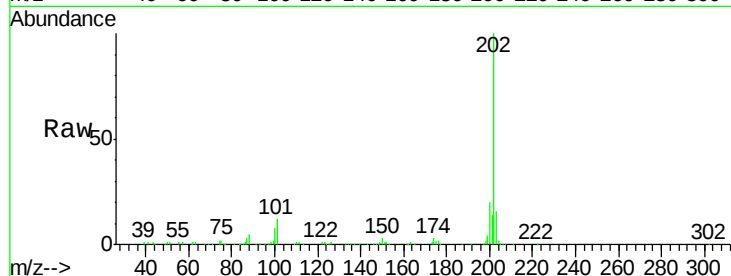
Tgt Ion:202 Resp: 151599

Ion Ratio Lower Upper

202 100

101 11.7 0.0 29.3

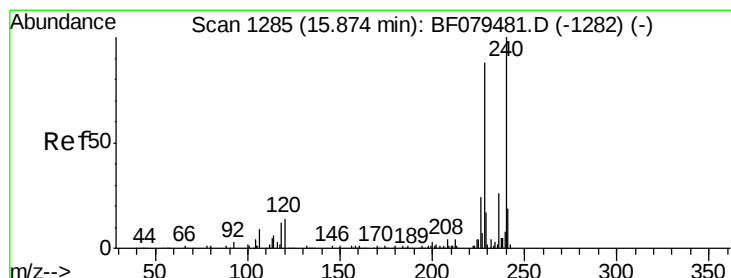
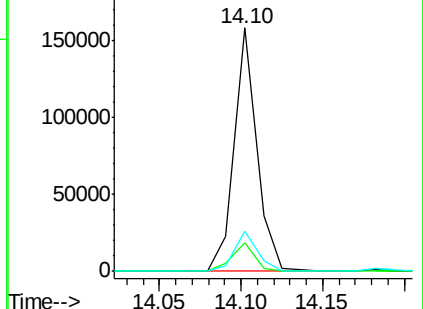
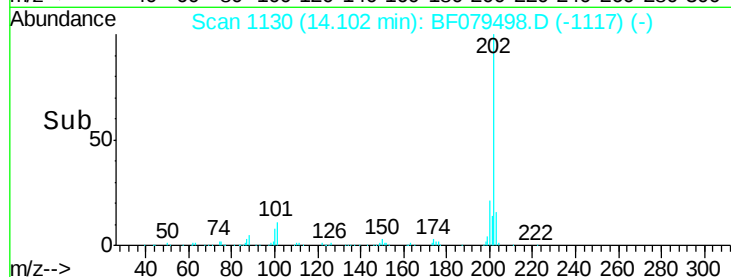
203 16.2 0.0 37.6



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: BF079498.D

Acq: 27 May 2015 2:52

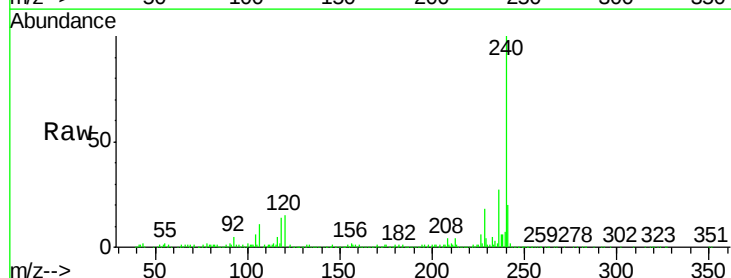
Tgt Ion:240 Resp: 280295

Ion Ratio Lower Upper

240 100

120 15.4 10.8 16.2

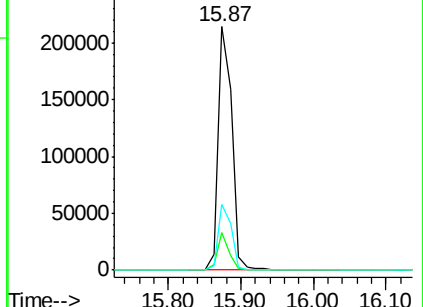
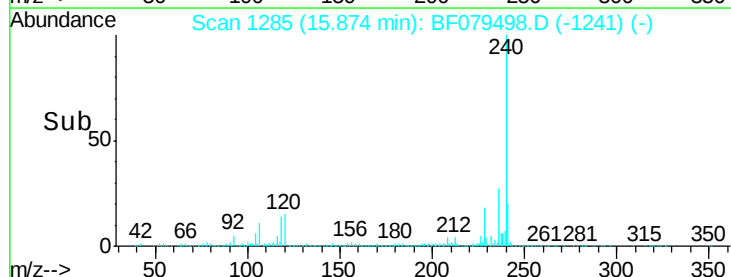
236 26.8 21.0 31.6

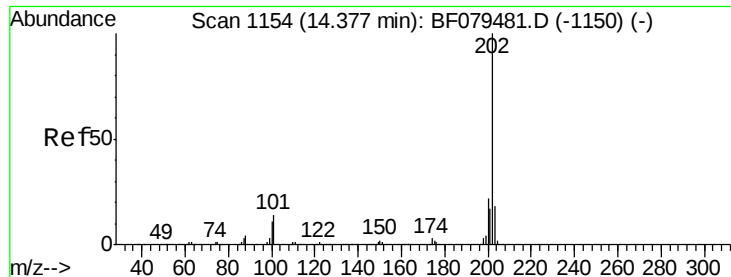


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E





#77

Pyrene

Concen: 8.21 ng

RT: 14.38 min Scan# 1154

Delta R.T. -0.00 min

Lab File: BF079498.D

Acq: 27 May 2015 2:52

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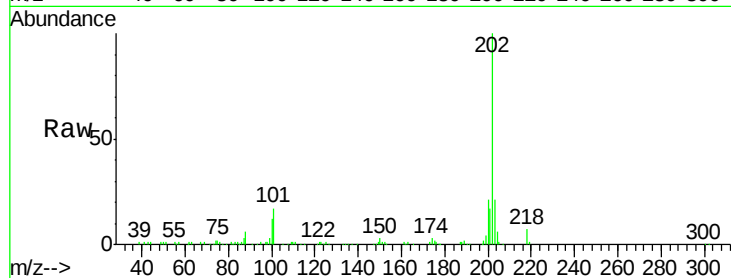
Tgt Ion:202 Resp: 142599

Ion Ratio Lower Upper

202 100

200 20.9 17.5 26.3

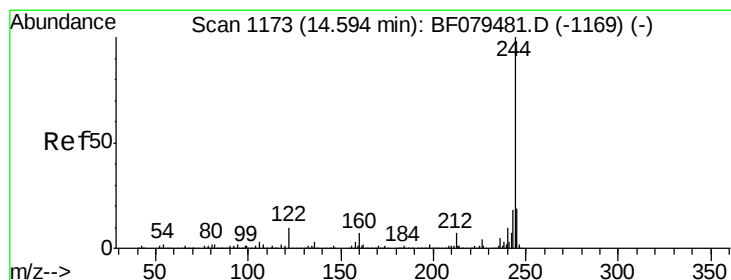
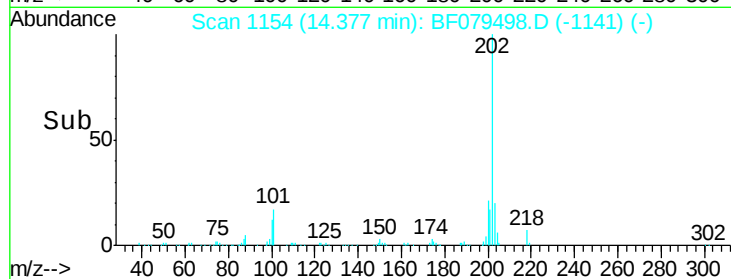
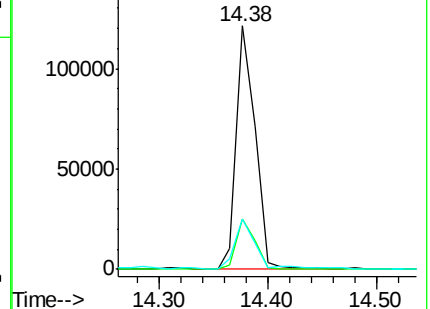
203 20.8 14.4 21.6



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: 13.76 ng

RT: 14.59 min Scan# 1173

Delta R.T. -0.00 min

Lab File: BF079498.D

Acq: 27 May 2015 2:52

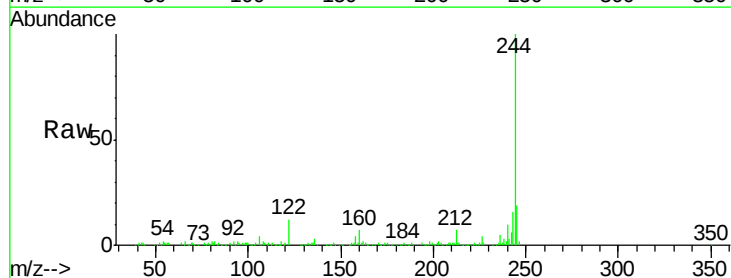
Tgt Ion:244 Resp: 164326

Ion Ratio Lower Upper

244 100

212 6.8 5.2 7.8

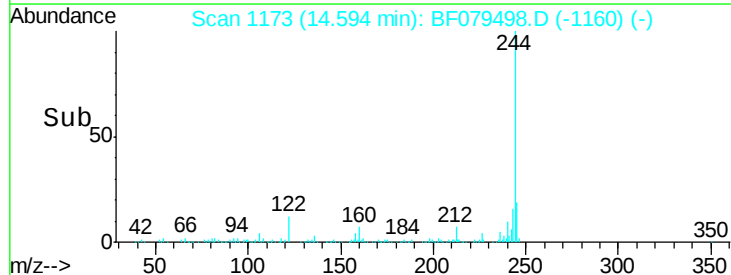
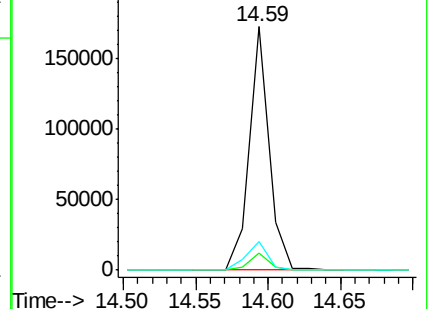
122 11.7 8.0 12.0

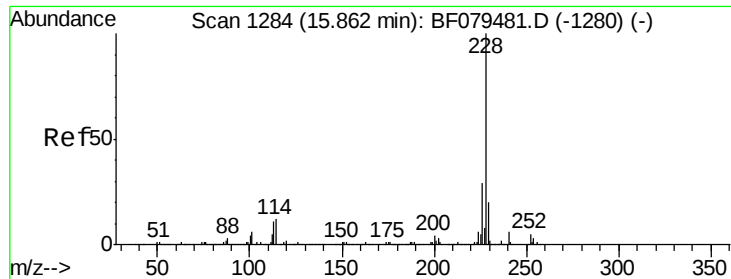


Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E





#80

Benzo(a)anthracene

Concen: 4.72 ng

RT: 15.86 min Scan# 1284

Delta R.T. -0.00 min

Lab File: BF079498.D

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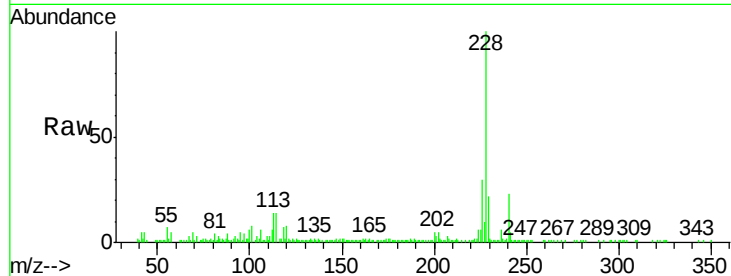
Tgt Ion:228 Resp: 76071

Ion Ratio Lower Upper

228 100

226 29.5 22.8 34.2

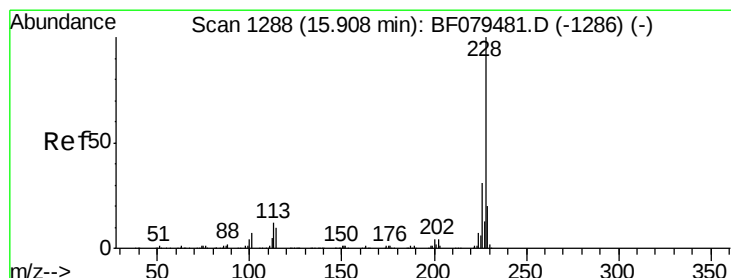
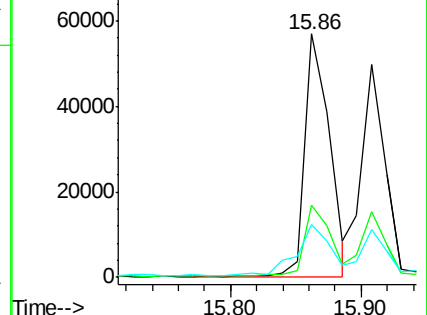
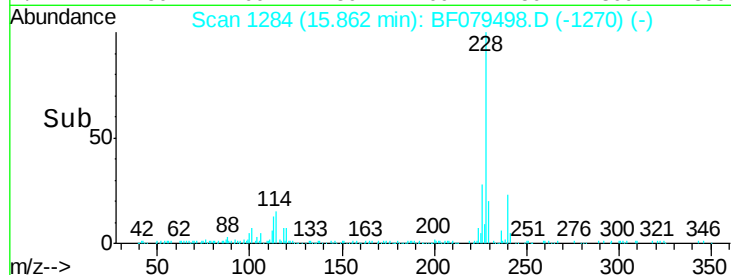
229 21.5 15.9 23.9



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: 4.04 ng

RT: 15.91 min Scan# 1288

Delta R.T. -0.00 min

Lab File: BF079498.D

Acq: 27 May 2015 2:52

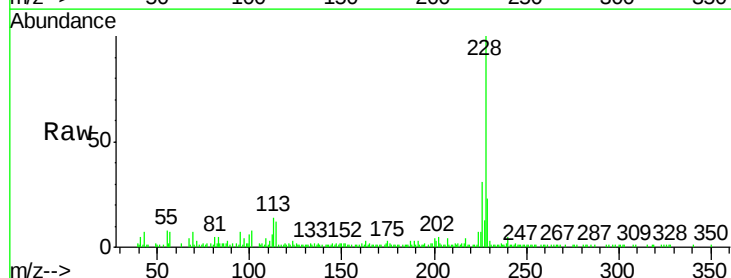
Tgt Ion:228 Resp: 61850

Ion Ratio Lower Upper

228 100

226 30.8 25.0 37.4

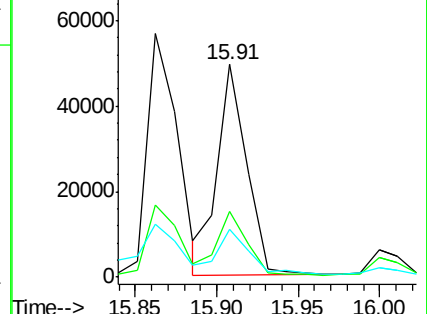
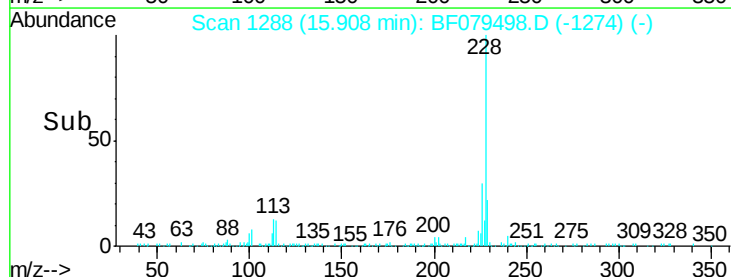
229 22.5 15.9 23.9

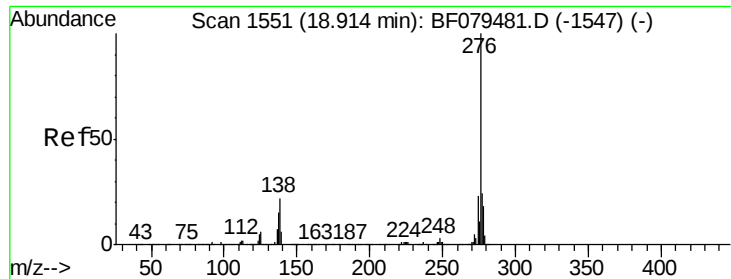


Abundance Ion 228.00 (227.70 to 228.70): E

Ion 226.00 (225.70 to 226.70): E

Ion 229.00 (228.70 to 229.70): E

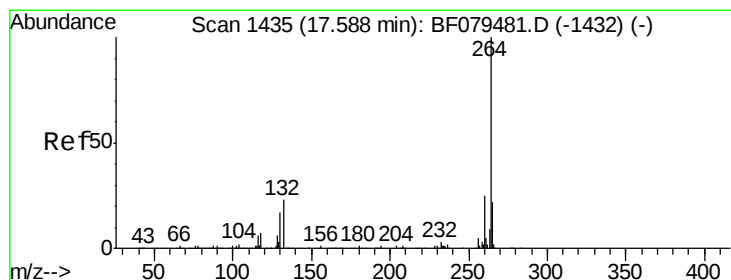
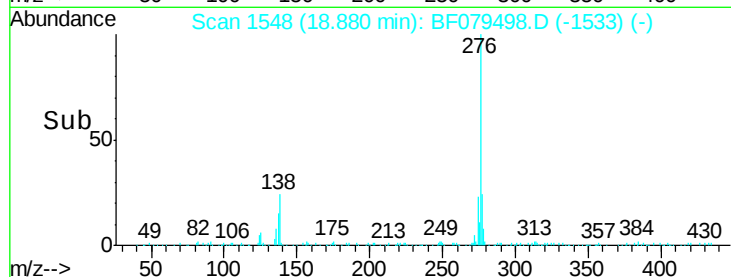
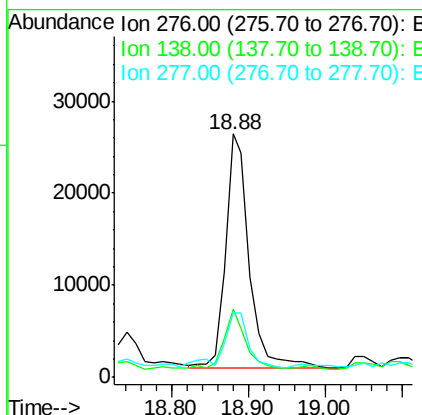
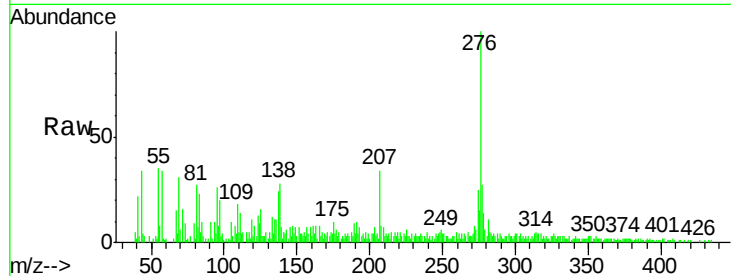




#85
 Indeno(1,2,3-cd)pyrene
 Concen: 2.77 ng
 RT: 18.88 min Scan# 1548
 Delta R.T. -0.03 min
 Lab File: BF079498.D
 Acq: 27 May 2015 2:52

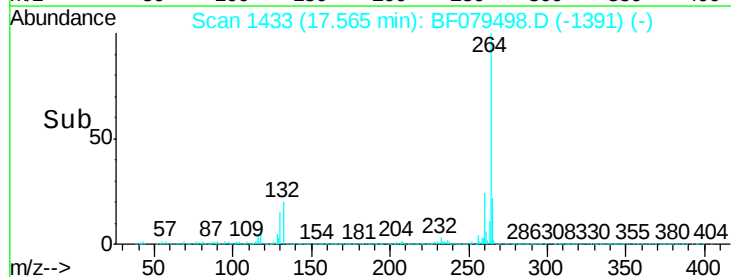
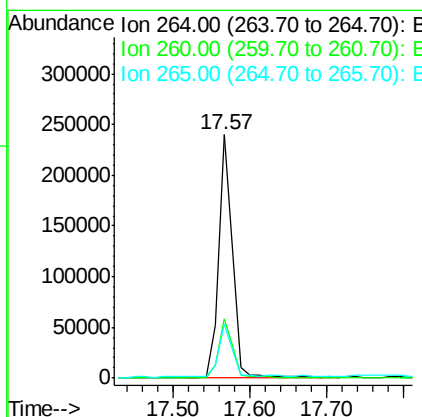
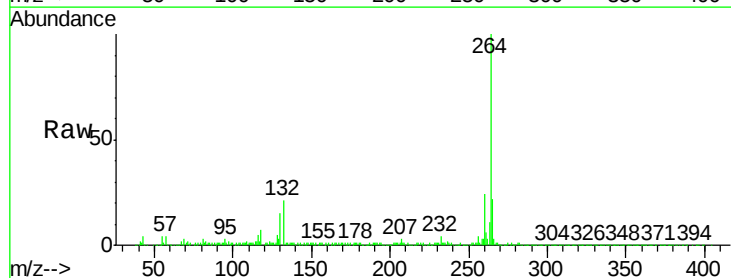
Instrument :
 BNA_F
 ClientSampleId :
 SB-32S

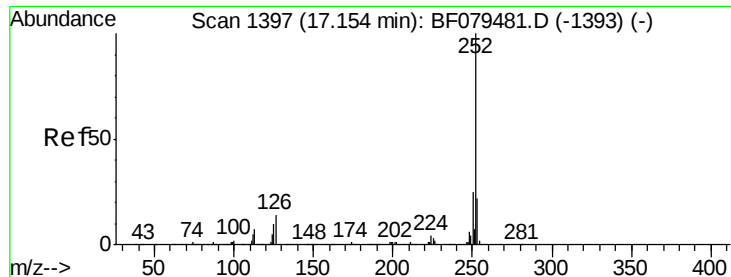
Tgt Ion:	276	Resp:	54706
Ion	Ratio	Lower	Upper
276	100		
138	22.9	21.4	32.2
277	25.2	19.8	29.6



#86
 Perylene-d12
 Concen: 20.00 ng
 RT: 17.57 min Scan# 1433
 Delta R.T. -0.02 min
 Lab File: BF079498.D
 Acq: 27 May 2015 2:52

Tgt Ion:	264	Resp:	292266
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.8	29.8
265	22.1	17.8	26.6

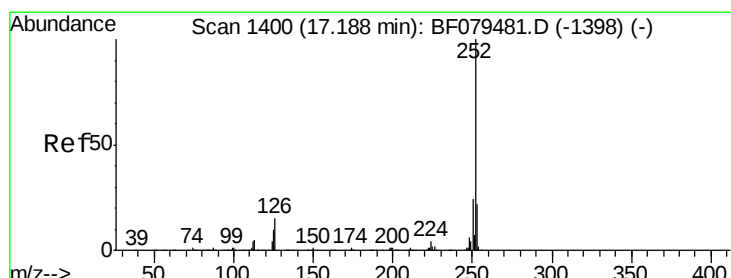
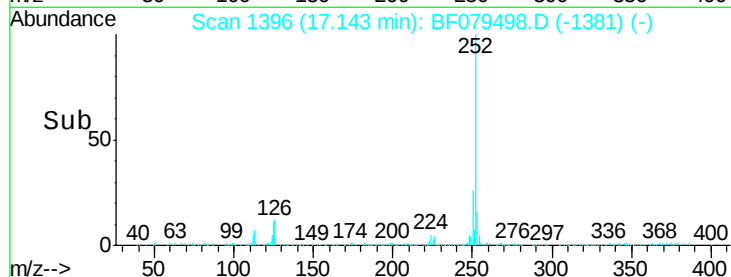
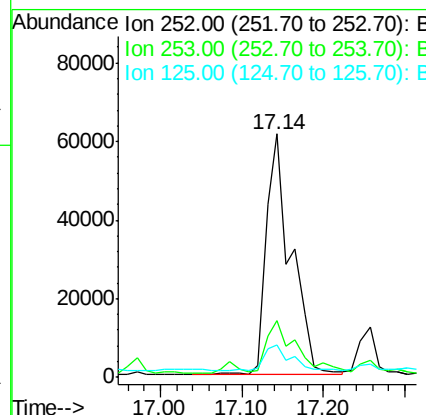
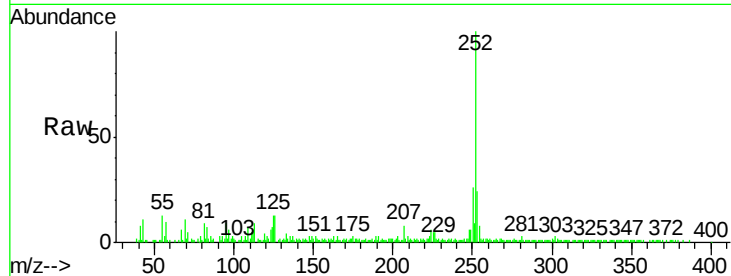




#87
Benzo(b)fluoranthene
Concen: 7.76 ng
RT: 17.14 min Scan# 1396
Delta R.T. -0.01 min
Lab File: BF079498.D
Acq: 27 May 2015 2:52

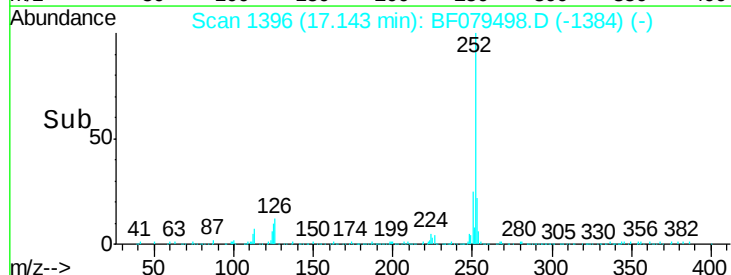
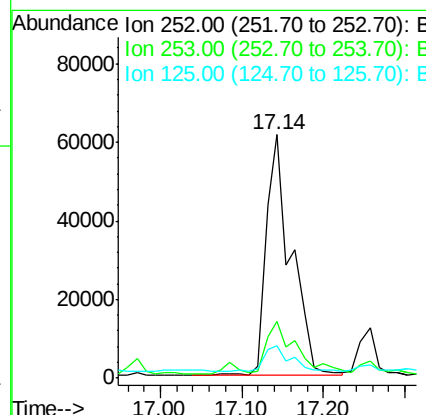
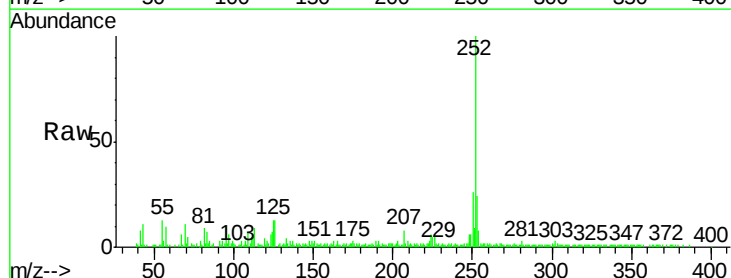
Instrument :
BNA_F
ClientSampleId :
SB-32S

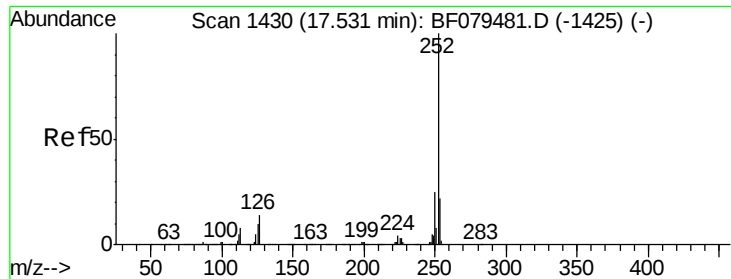
Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.6	26.4
125	13.4	7.8	11.6#



#88
Benzo(k)fluoranthene
Concen: 8.68 ng
RT: 17.14 min Scan# 1396
Delta R.T. -0.05 min
Lab File: BF079498.D
Acq: 27 May 2015 2:52

Tgt Ion	Ratio	Lower	Upper
252	100		
253	23.5	17.2	25.8
125	13.4	6.8	10.2#





#89

Benzo(a)pyrene

Concen: 3.41 ng

RT: 17.51 min Scan# 1428

Delta R.T. -0.02 min

Lab File: BF079498.D

Acq: 27 May 2015 2:52

Instrument :

BNA_F

ClientSampleId :

SB-32S

Tgt Ion:252 Resp: 75849

Ion Ratio Lower Upper

252 100

253 23.5 17.8 26.8

125 12.2 7.9 11.9#

