

Data Path : Z:\HPCHEM1\BNA_F\Data\BF053015\
 Data File : BF079628.D
 Acq On : 31 May 2015 5:48
 Operator : TP/IZ
 Sample : G2408-02DL 5X
 Misc :
 ALS Vial : 28 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-25SDL

Quant Time: Jun 01 03:50:13 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF052615.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Jun 01 03:28:53 2015
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	6.94	152	68419	20.00	ng	0.00
21) Naphthalene-d8	8.51	136	275483	20.00	ng	0.00
38) Acenaphthene-d10	10.67	164	129759	20.00	ng	0.00
63) Phenanthrene-d10	12.51	188	246963	20.00	ng	0.00
75) Chrysene-d12	15.78	240	262491	20.00	ng	-0.01
86) Perylene-d12	17.49	264	271742	20.00	ng	-0.03

System Monitoring Compounds

5) 2-Fluorophenol	5.21	112	80562	20.42	ng	0.01
7) Phenol-d6	6.54	99	109441	21.77	ng	0.00
23) Nitrobenzene-d5	7.63	82	62102	13.03	ng	0.00
41) 2,4,6-Tribromophenol	11.66	330	29009	20.35	ng	0.00
44) 2-Fluorobiphenyl	9.86	172	131082	14.41	ng	0.00
78) Terphenyl-d14	14.50	244	157720	14.10	ng	0.00

Target Compounds

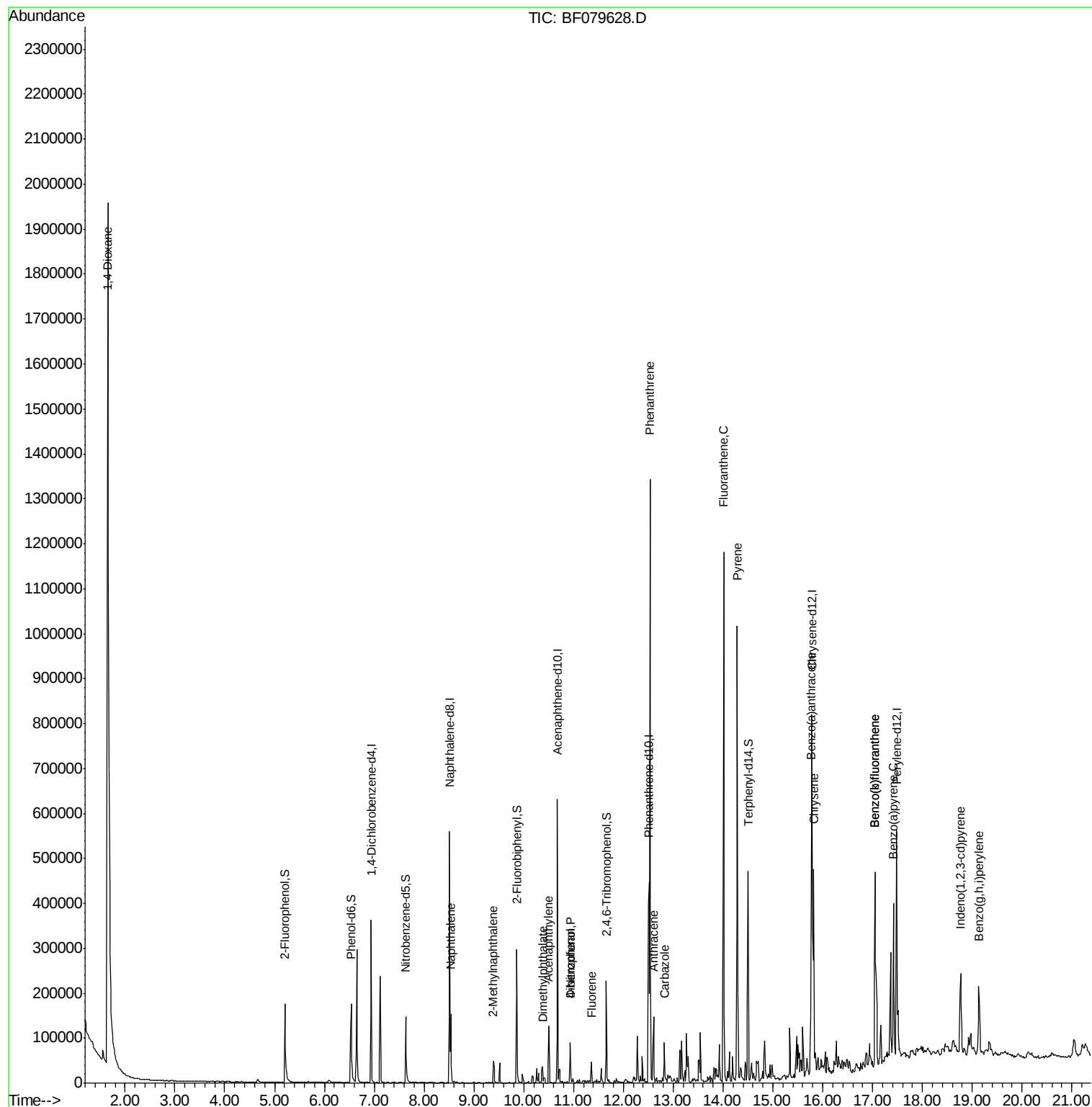
						Qvalue
2) 1,4-Dioxane	1.66	88	102162	54.44	ng	# 100
31) Naphthalene	8.54	128	70934	5.37	ng	99
37) 2-Methylnaphthalene	9.39	142	20415	2.22	ng	95
48) Acenaphthylene	10.50	152	60027	4.52	ng	100
49) Dimethylphthalate	10.38	163	23514	2.46	ng	100
54) Dibenzofuran	10.94	168	49386	4.41	ng	94
55) 4-Nitrophenol	10.94	139	18971	13.77	ng	# 12
57) Fluorene	11.36	166	21472	2.32	ng	# 99
70) Phenanthrene	12.54	178	526234	38.84	ng	99
71) Anthracene	12.60	178	84489	6.14	ng	99
72) Carbazole	12.82	167	45688	3.45	ng	99
73) Di-n-butylphthalate	13.27	149	1378	Below Cal		# 8
74) Fluoranthene	14.01	202	536186	36.90	ng	98
77) Pyrene	14.29	202	435649	26.79	ng	99
80) Benzo(a)anthracene	15.77	228	211526	14.01	ng	96
82) Chrysene	15.82	228	184988	12.89	ng	99
85) Indeno(1,2,3-cd)pyrene	18.77	276	124368	6.74	ng	# 93
87) Benzo(b)fluoranthene	17.05	252	330994	21.36	ng	99
88) Benzo(k)fluoranthene	17.05	252	330994	23.88	ng	97
89) Benzo(a)pyrene	17.42	252	167534	10.87	ng	98
91) Benzo(g,h,i)perylene	19.13	276	113857	5.66	ng	98

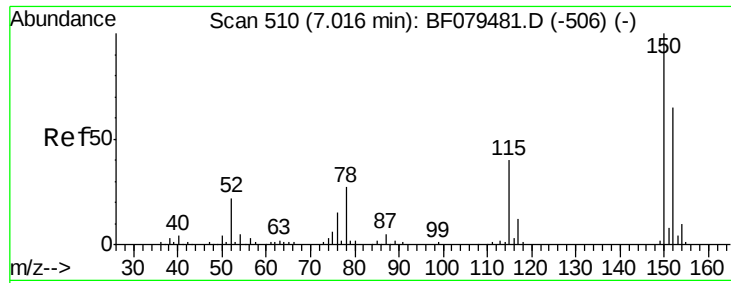
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.00 ng

RT: 6.94 min Scan# 503

Delta R.T. -0.00 min

Lab File: BF079628.D

Acq: 31 May 2015 5:48

Instrument :

BNA_F

ClientSampled :

SB-25SDL

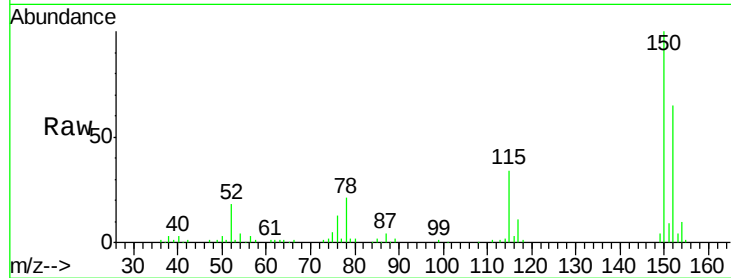
Tgt Ion:152 Resp: 68419

Ion Ratio Lower Upper

152 100

150 155.0 124.0 186.0

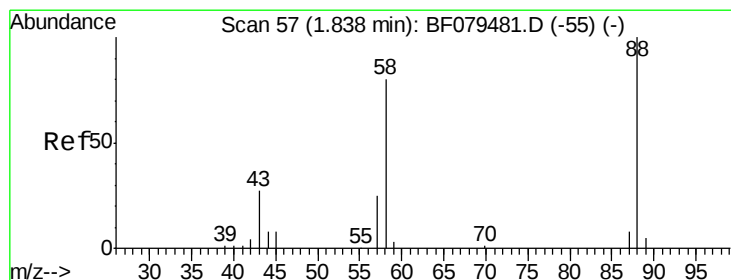
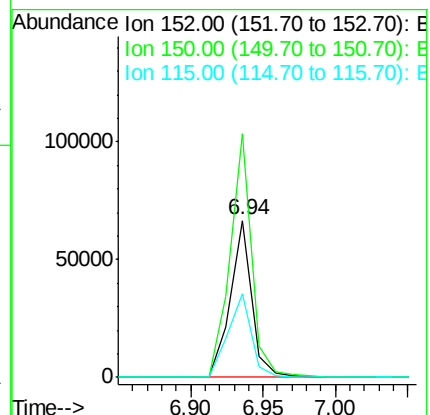
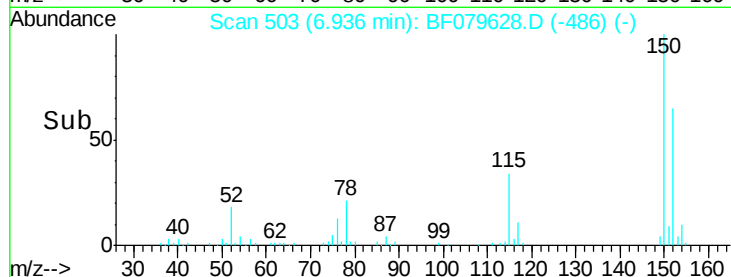
115 53.1 49.6 74.4



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



#2

1,4-Dioxane

Concen: 54.44 ng

RT: 1.66 min Scan# 41

Delta R.T. -0.08 min

Lab File: BF079628.D

Acq: 31 May 2015 5:48

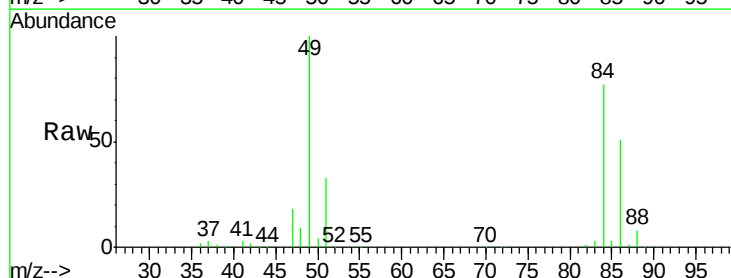
Tgt Ion: 88 Resp: 102162

Ion Ratio Lower Upper

88 100

58 0.0 0.0 0.0

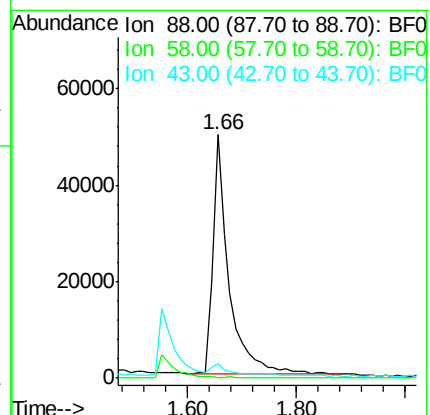
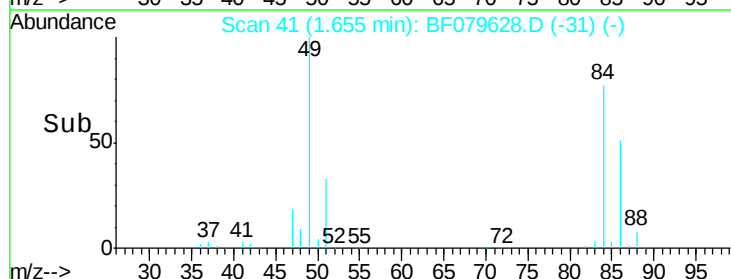
43 8.0 0.0 0.0#

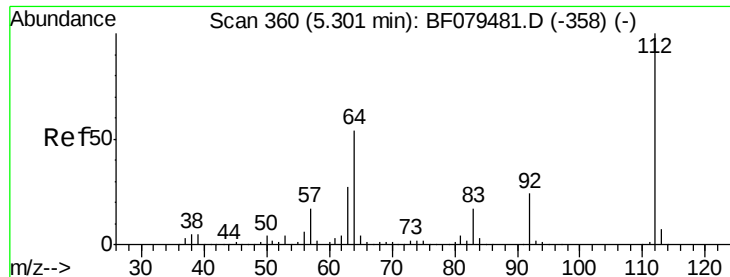


Abundance Ion 88.00 (87.70 to 88.70): BF0

Ion 58.00 (57.70 to 58.70): BF0

Ion 43.00 (42.70 to 43.70): BF0





#5

2-Fluorophenol

Concen: 20.42 ng

RT: 5.21 min Scan# 352

Delta R.T. 0.01 min

Lab File: BF079628.D

Acq: 31 May 2015 5:48

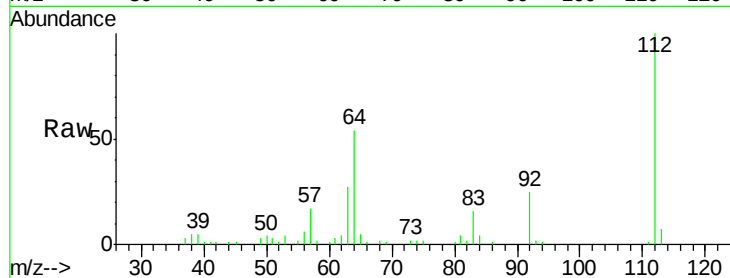
Instrument :

BNA_F

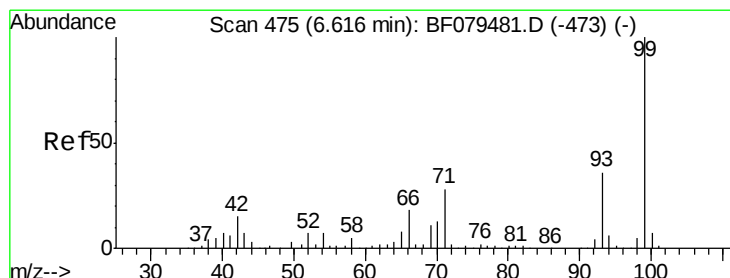
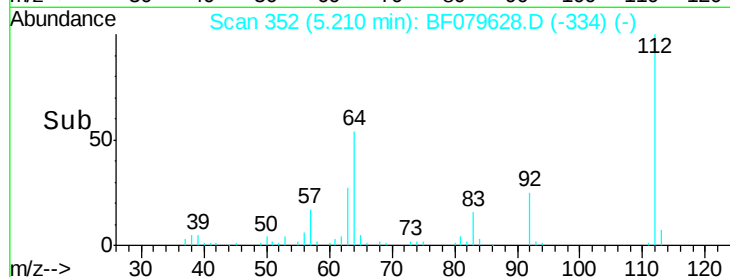
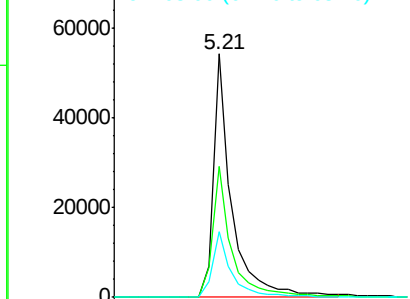
ClientSampleId :

SB-25SDL

Tgt Ion:	112	Resp:	80562
Ion	Ratio	Lower	Upper
112	100		
64	53.6	43.5	65.3
63	27.2	21.8	32.8



Abundance Ion 112.00 (111.70 to 112.70): BF079481.D (-358) (-)



#7

Phenol-d6

Concen: 21.77 ng

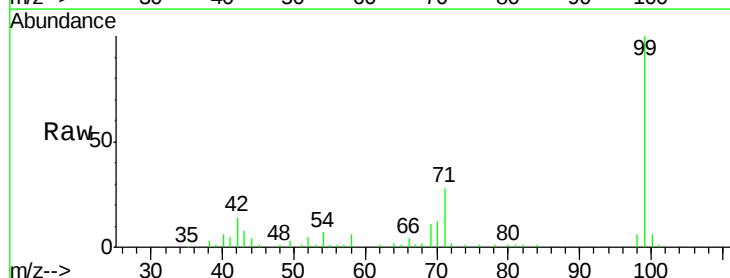
RT: 6.54 min Scan# 468

Delta R.T. -0.00 min

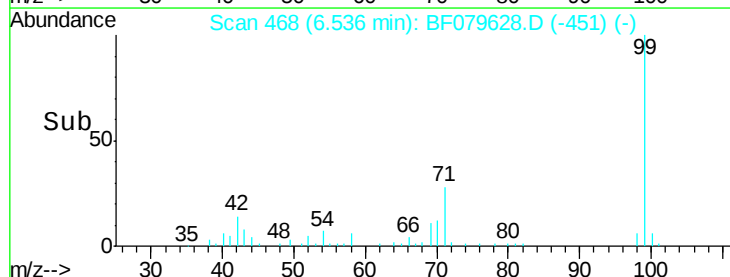
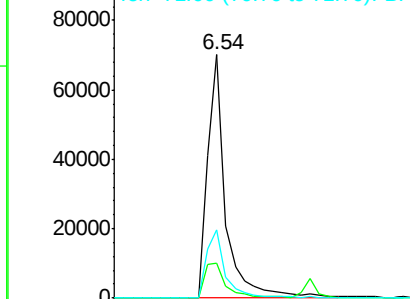
Lab File: BF079628.D

Acq: 31 May 2015 5:48

Tgt Ion:	99	Resp:	109441
Ion	Ratio	Lower	Upper
99	100		
42	14.5	11.9	17.9
71	28.1	22.1	33.1



Abundance Ion 99.00 (98.70 to 99.70): BF079481.D (-473) (-)

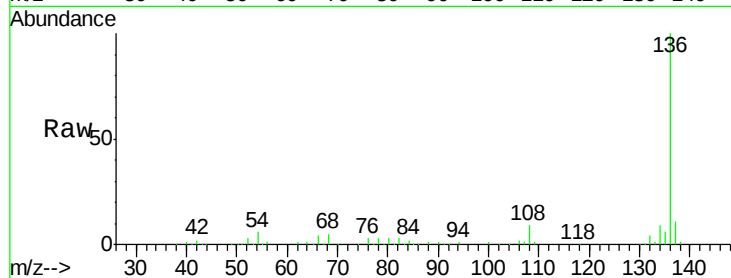




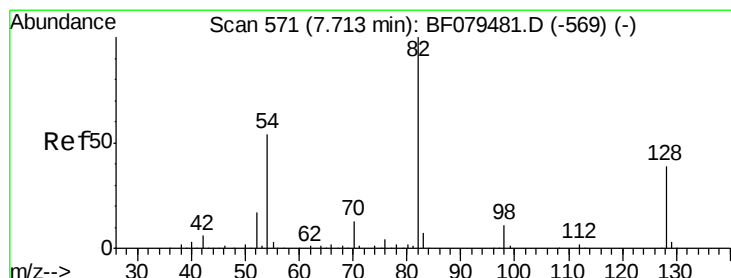
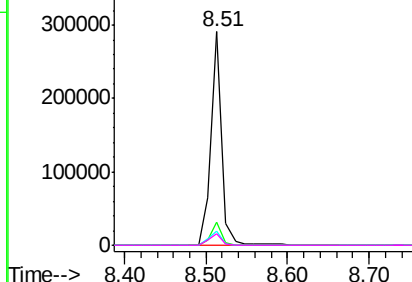
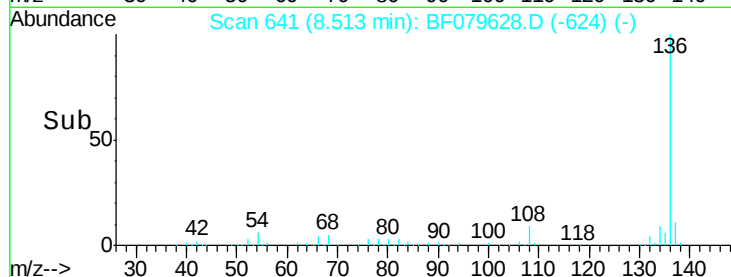
#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.51 min Scan# 641
Delta R.T. -0.00 min
Lab File: BF079628.D
Acq: 31 May 2015 5:48

Instrument :
BNA_F
ClientSampleId :
SB-25SDL

Tgt Ion:	136	Resp:	275483
Ion	Ratio	Lower	Upper
136	100		
137	10.7	8.5	12.7
54	6.4	6.6	9.8#
68	5.2	4.7	7.1

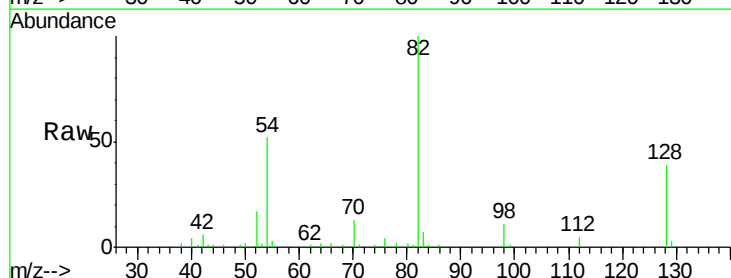


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BF0
Ion 68.00 (67.70 to 68.70): BF0

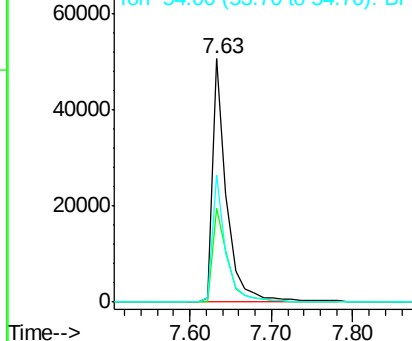
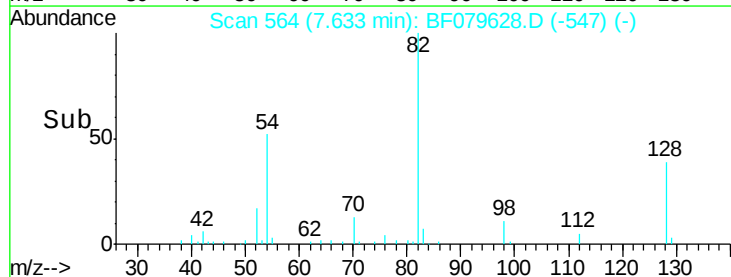


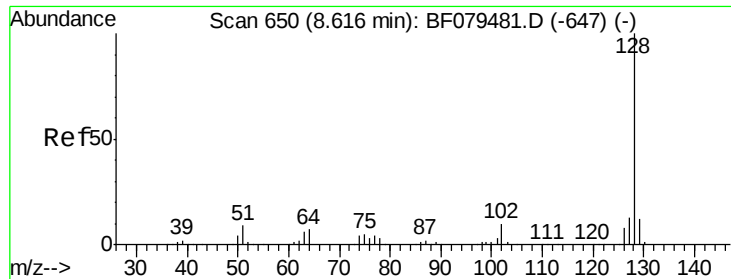
#23
Nitrobenzene-d5
Concen: 13.03 ng
RT: 7.63 min Scan# 564
Delta R.T. -0.00 min
Lab File: BF079628.D
Acq: 31 May 2015 5:48

Tgt Ion:	82	Resp:	62102
Ion	Ratio	Lower	Upper
82	100		
128	38.8	30.8	46.2
54	52.1	42.8	64.2



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

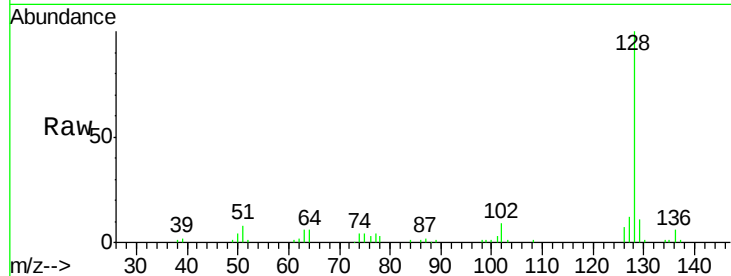




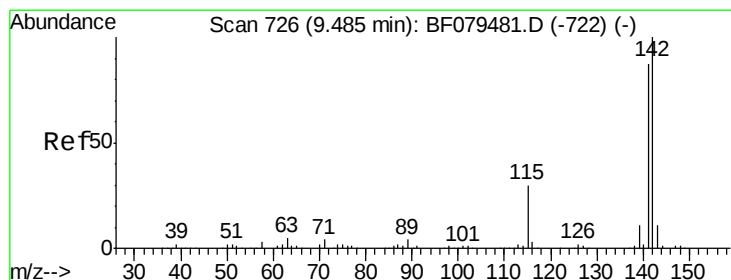
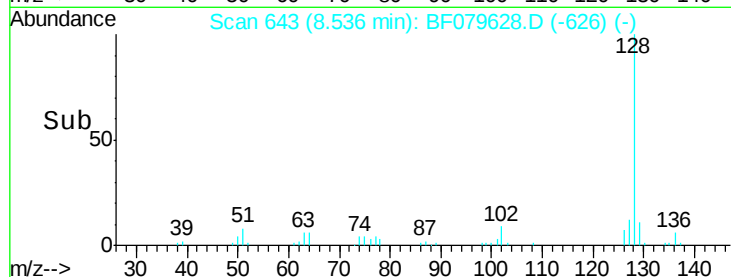
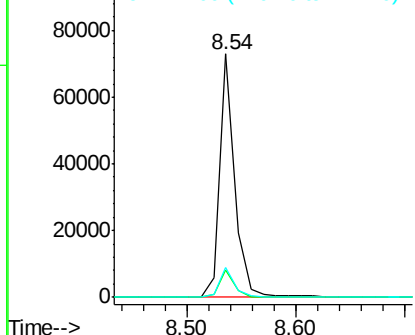
#31
Naphthalene
Concen: 5.37 ng
RT: 8.54 min Scan# 643
Delta R.T. -0.00 min
Lab File: BF079628.D
Acq: 31 May 2015 5:48

Instrument :
BNA_F
ClientSampleId :
SB-25SDL

Tgt Ion:128 Resp: 70934
Ion Ratio Lower Upper
128 100
129 11.3 9.3 13.9
127 12.3 10.6 15.8

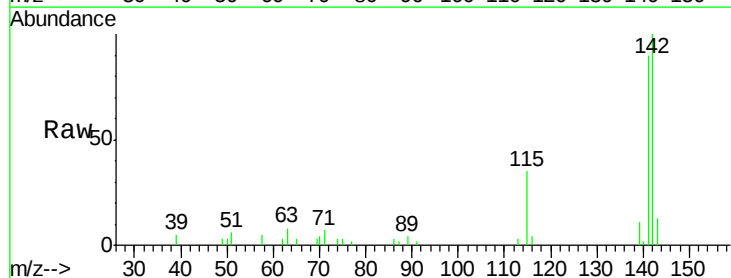


Abundance Ion 128.00 (127.70 to 128.70): E
Ion 129.00 (128.70 to 129.70): E
Ion 127.00 (126.70 to 127.70): E

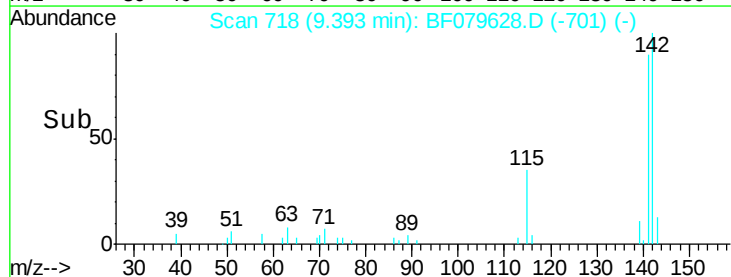
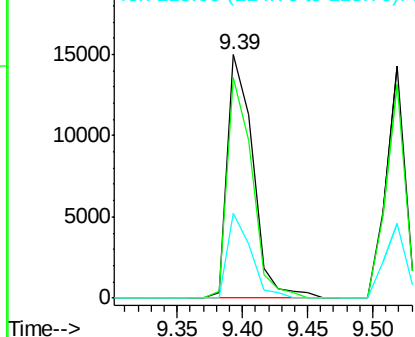


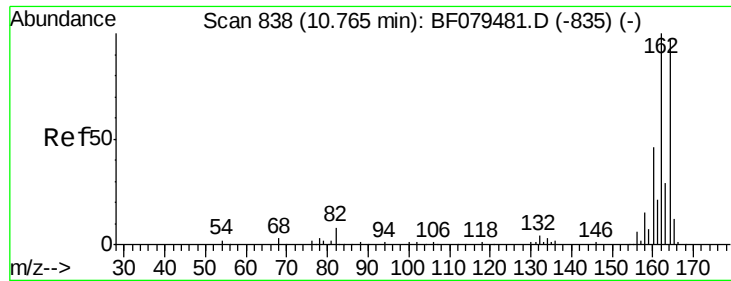
#37
2-Methylnaphthalene
Concen: 2.22 ng
RT: 9.39 min Scan# 718
Delta R.T. -0.00 min
Lab File: BF079628.D
Acq: 31 May 2015 5:48

Tgt Ion:142 Resp: 20415
Ion Ratio Lower Upper
142 100
141 90.5 69.5 104.3
115 34.7 23.8 35.6



Abundance Ion 142.00 (141.70 to 142.70): E
Ion 141.00 (140.70 to 141.70): E
Ion 115.00 (114.70 to 115.70): E

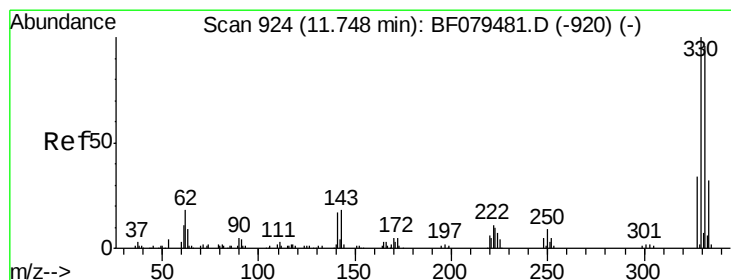
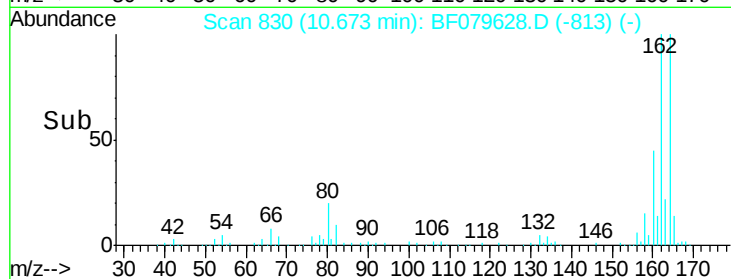
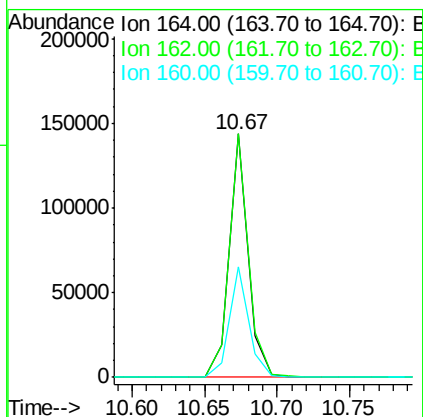
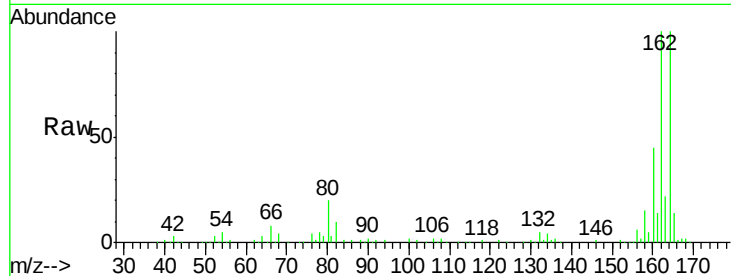




#38
 Acenaphthene-d10
 Concen: 20.00 ng
 RT: 10.67 min Scan# 830
 Delta R.T. -0.00 min
 Lab File: BF079628.D
 Acq: 31 May 2015 5:48

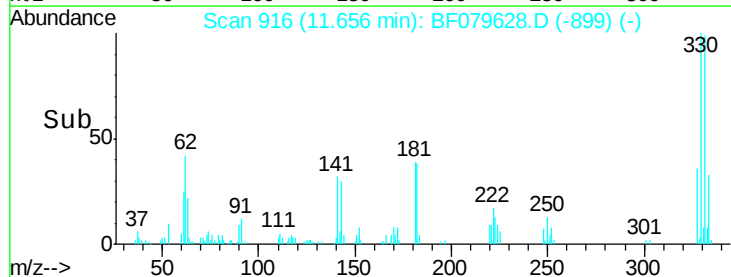
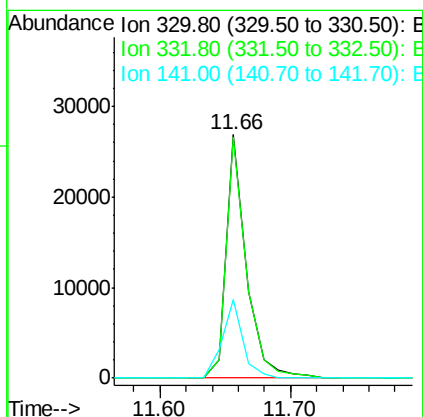
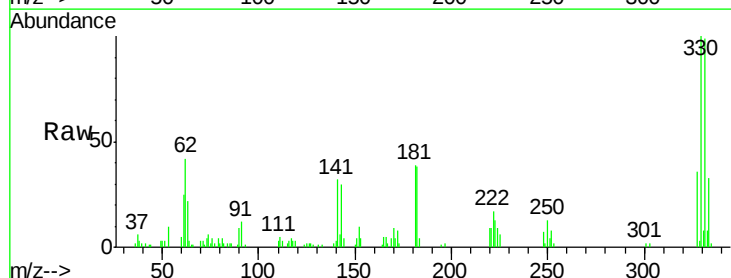
Instrument :
 BNA_F
 ClientSampleId :
 SB-25SDL

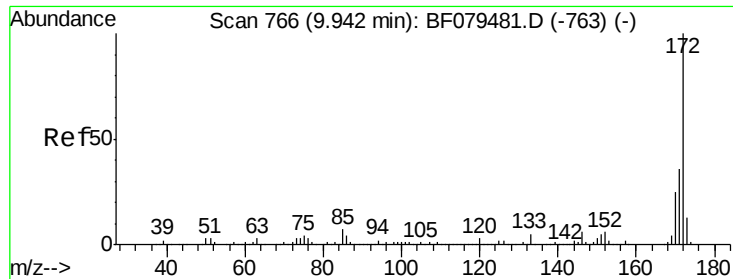
Tgt Ion:164 Resp: 129759
 Ion Ratio Lower Upper
 164 100
 162 100.1 82.6 124.0
 160 45.3 37.7 56.5



#41
 2,4,6-Tribromophenol
 Concen: 20.35 ng
 RT: 11.66 min Scan# 916
 Delta R.T. -0.00 min
 Lab File: BF079628.D
 Acq: 31 May 2015 5:48

Tgt Ion:330 Resp: 29009
 Ion Ratio Lower Upper
 330 100
 332 98.7 0.0 0.0#
 141 33.1 0.0 0.0#

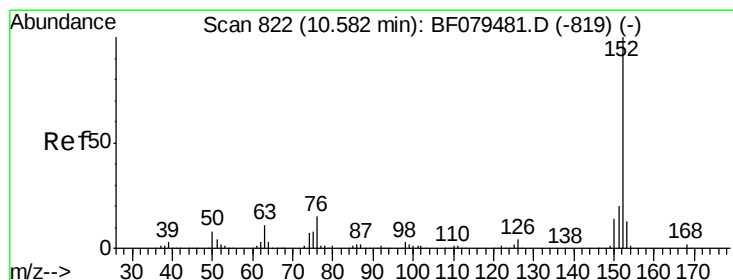
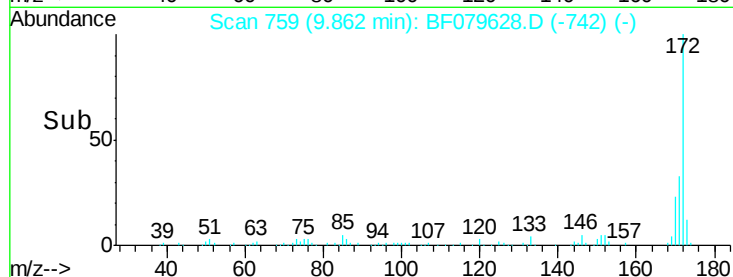
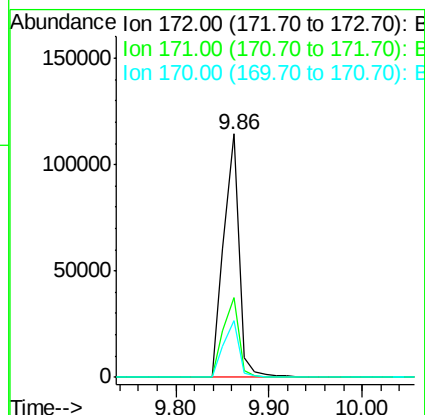
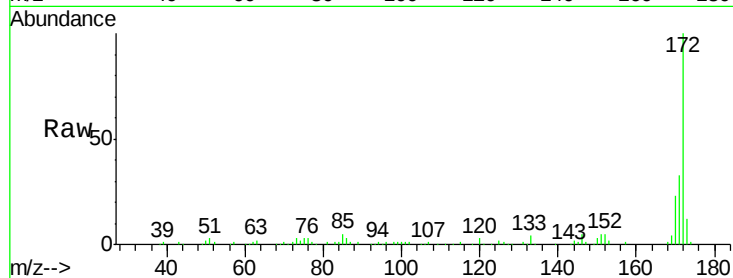




#44
 2-Fluorobiphenyl
 Concen: 14.41 ng
 RT: 9.86 min Scan# 759
 Delta R.T. -0.00 min
 Lab File: BF079628.D
 Acq: 31 May 2015 5:48

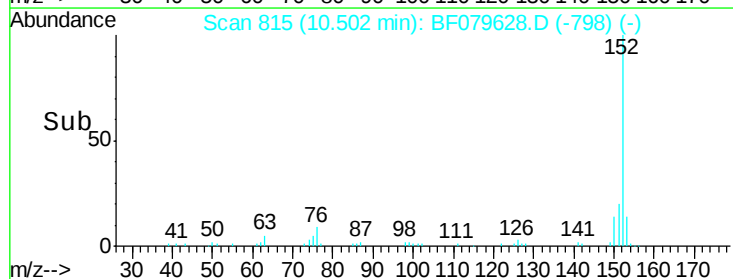
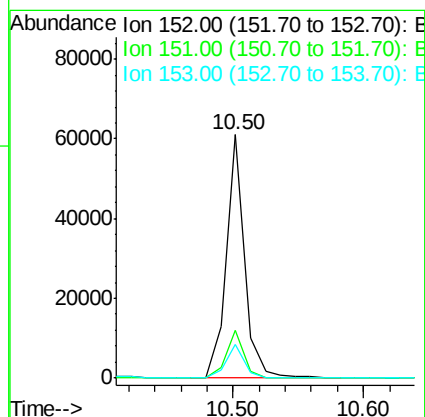
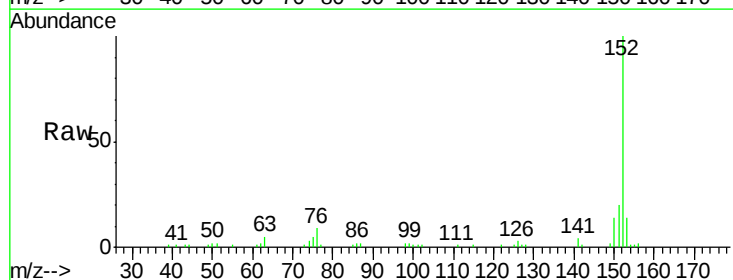
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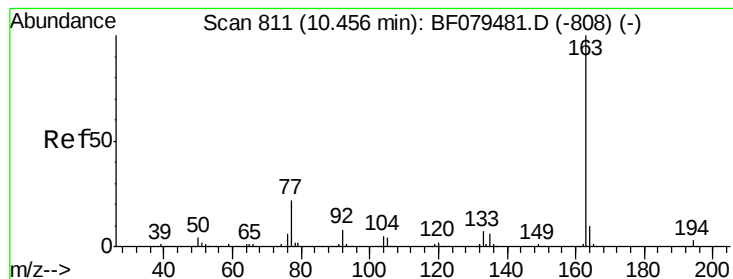
Tgt Ion	Ratio	Lower	Upper
172	100		
171	32.8	28.5	42.7
170	23.2	19.7	29.5



#48
 Acenaphthylene
 Concen: 4.52 ng
 RT: 10.50 min Scan# 815
 Delta R.T. -0.00 min
 Lab File: BF079628.D
 Acq: 31 May 2015 5:48

Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.8	23.8
153	13.7	10.7	16.1





#49

Dimethylphthalate

Concen: 2.46 ng

RT: 10.38 min Scan# 804

Delta R.T. -0.00 min

Lab File: BF079628.D

Acq: 31 May 2015 5:48

Instrument :

BNA_F

ClientSampleId :

SB-25SDL

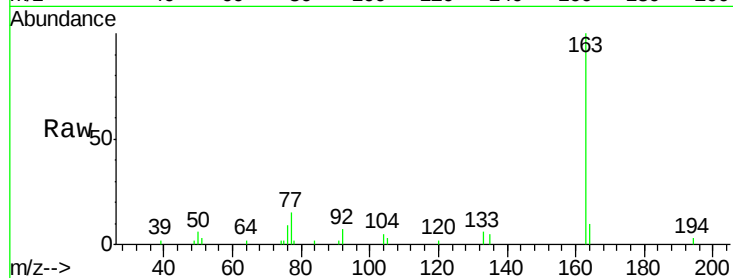
Tgt Ion:163 Resp: 23514

Ion Ratio Lower Upper

163 100

194 3.4 2.4 3.6

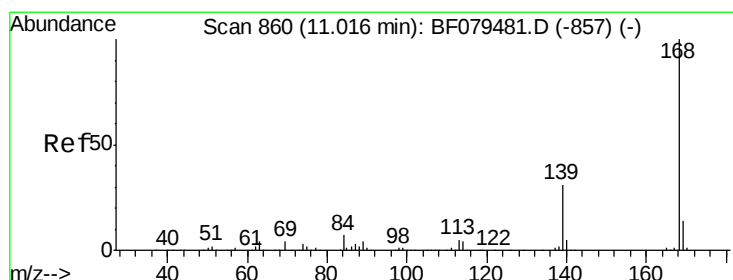
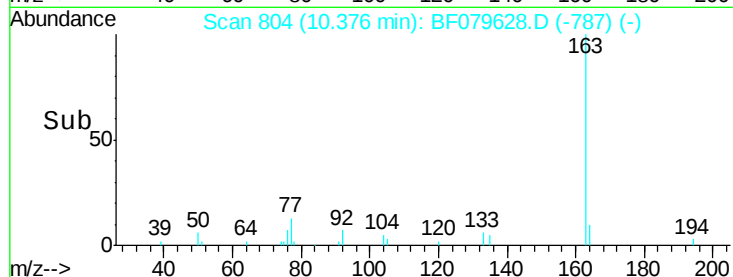
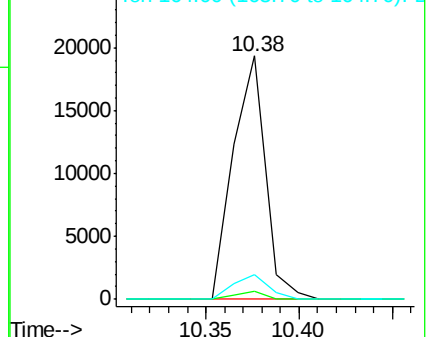
164 10.3 8.2 12.4



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



#54

Dibenzofuran

Concen: 4.41 ng

RT: 10.94 min Scan# 853

Delta R.T. -0.00 min

Lab File: BF079628.D

Acq: 31 May 2015 5:48

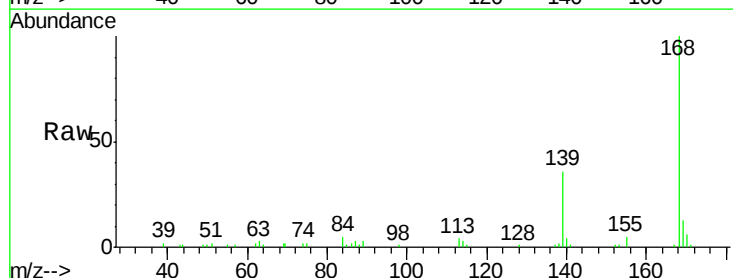
Tgt Ion:168 Resp: 49386

Ion Ratio Lower Upper

168 100

139 36.3 32.9 49.3

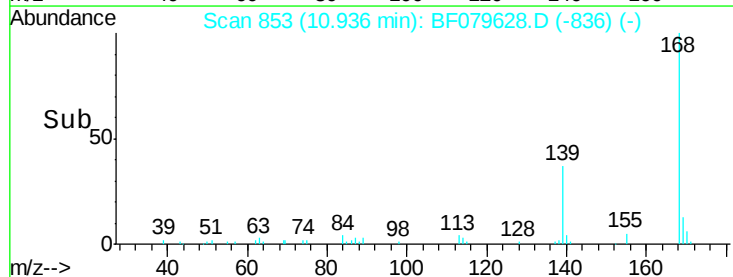
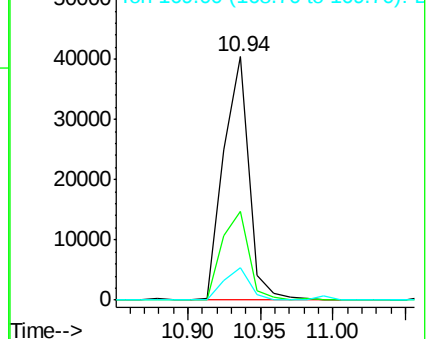
169 13.1 11.1 16.7

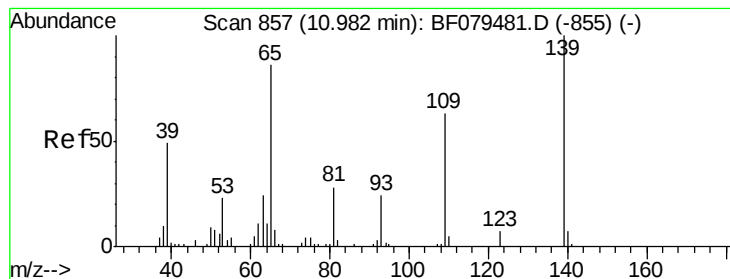


Abundance Ion 168.00 (167.70 to 168.70): E

Ion 139.00 (138.70 to 139.70): E

Ion 169.00 (168.70 to 169.70): E





#55

4-Nitrophenol

Concen: 13.77 ng

RT: 10.94 min Scan# 853

Delta R.T. 0.03 min

Lab File: BF079628.D

Acq: 31 May 2015 5:48

Instrument :

BNA_F

ClientSampleId :

SB-25SDL

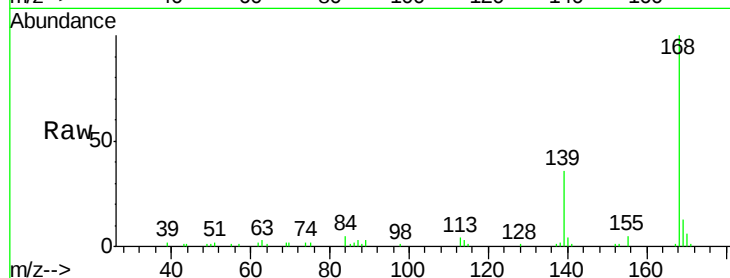
Tgt Ion:139 Resp: 18971

Ion Ratio Lower Upper

139 100

109 0.0 42.8 82.8#

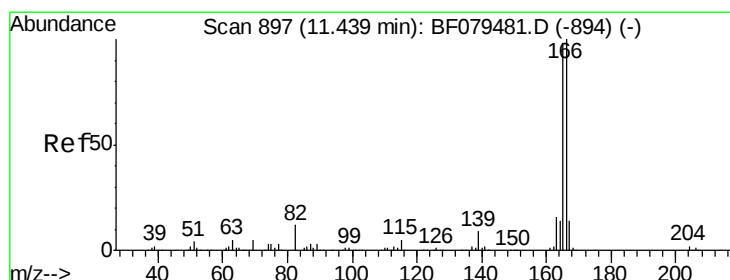
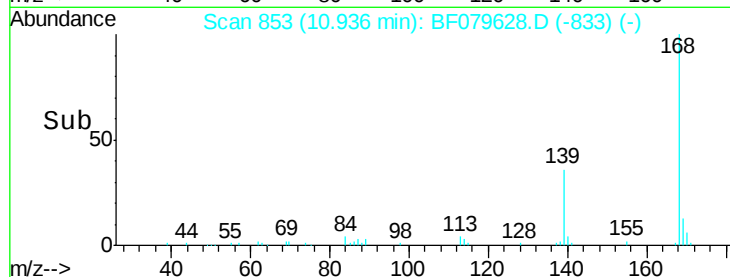
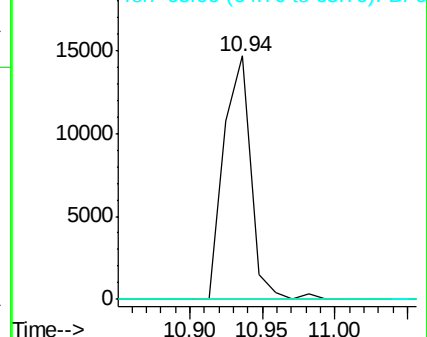
65 0.0 66.3 106.3#



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): E



#57

Fluorene

Concen: 2.32 ng

RT: 11.36 min Scan# 890

Delta R.T. -0.00 min

Lab File: BF079628.D

Acq: 31 May 2015 5:48

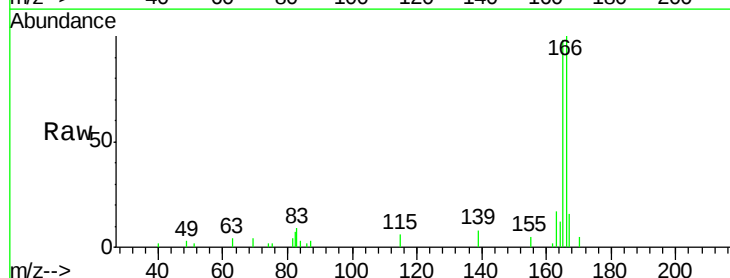
Tgt Ion:166 Resp: 21472

Ion Ratio Lower Upper

166 100

165 97.8 78.6 117.8

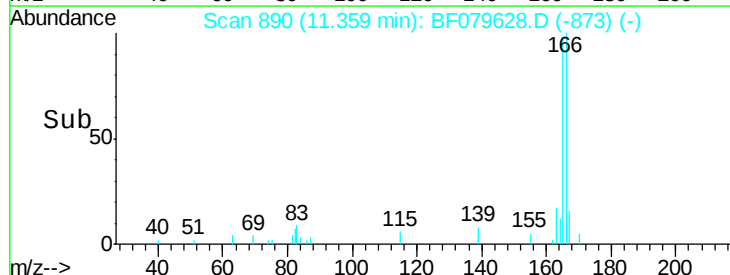
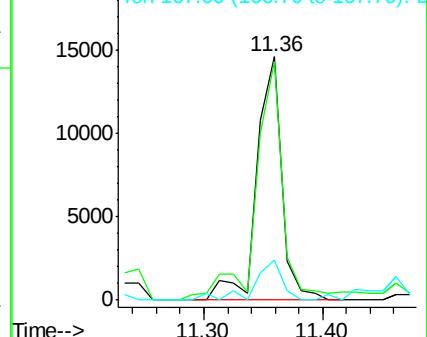
167 16.3 10.8 16.2#

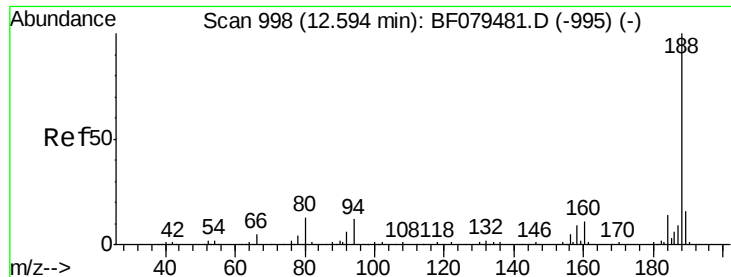


Abundance Ion 166.00 (165.70 to 166.70): E

Ion 165.00 (164.70 to 165.70): E

Ion 167.00 (166.70 to 167.70): E

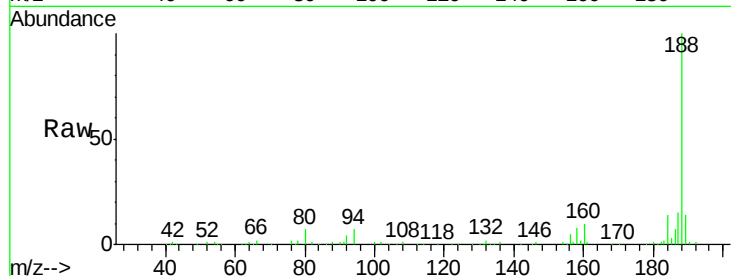




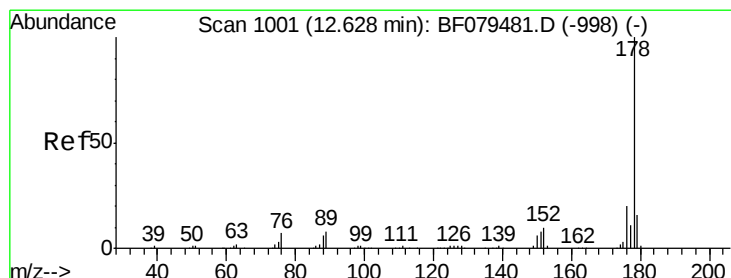
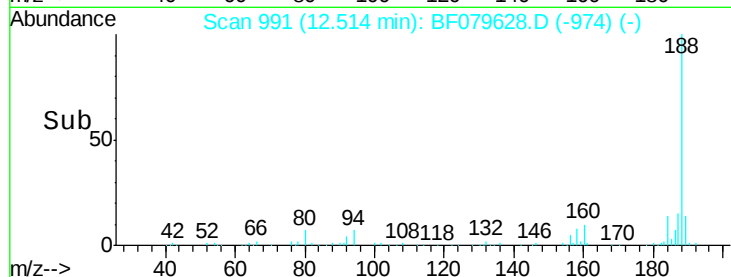
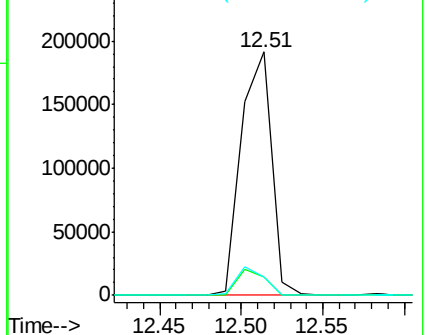
#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.51 min Scan# 991
Delta R.T. -0.00 min
Lab File: BF079628.D
Acq: 31 May 2015 5:48

Instrument :
BNA_F
ClientSampled :
SB-25SDL

Tgt Ion:188 Resp: 246963
Ion Ratio Lower Upper
188 100
94 7.3 9.8 14.6#
80 7.3 10.5 15.7#

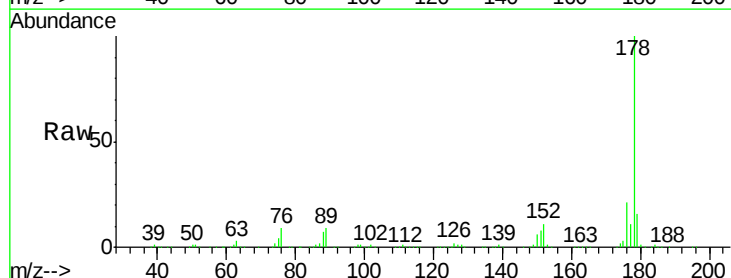


Abundance Ion 188.00 (187.70 to 188.70): E
Ion 94.00 (93.70 to 94.70): BF0
Ion 80.00 (79.70 to 80.70): BF0

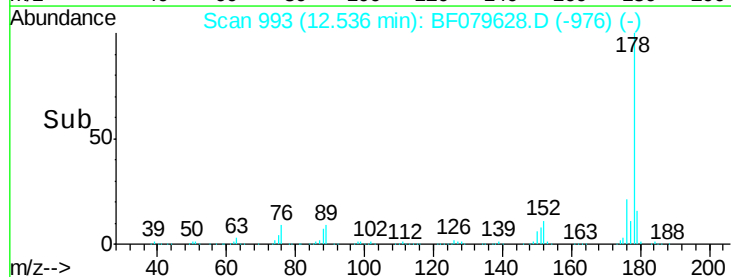
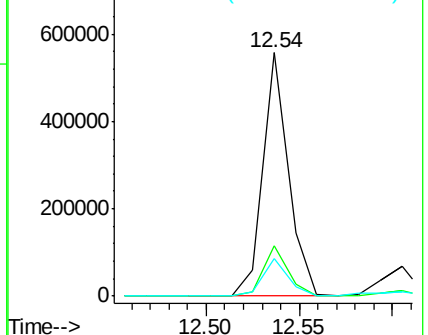


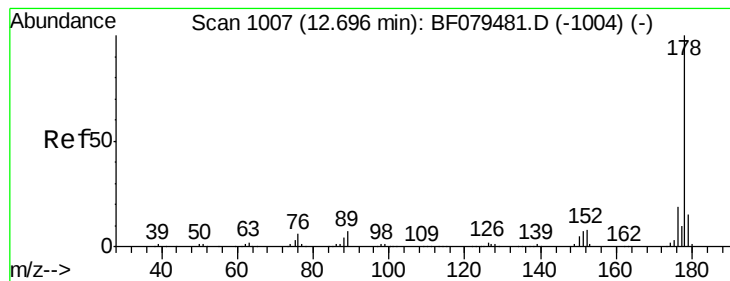
#70
Phenanthrene
Concen: 38.84 ng
RT: 12.54 min Scan# 993
Delta R.T. -0.00 min
Lab File: BF079628.D
Acq: 31 May 2015 5:48

Tgt Ion:178 Resp: 526234
Ion Ratio Lower Upper
178 100
176 20.5 15.7 23.5
179 15.7 12.4 18.6



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





#71

Anthracene

Concen: 6.14 ng

RT: 12.60 min Scan# 999

Delta R.T. -0.00 min

Lab File: BF079628.D

Acq: 31 May 2015 5:48

Instrument :

BNA_F

ClientSampleId :

SB-25SDL

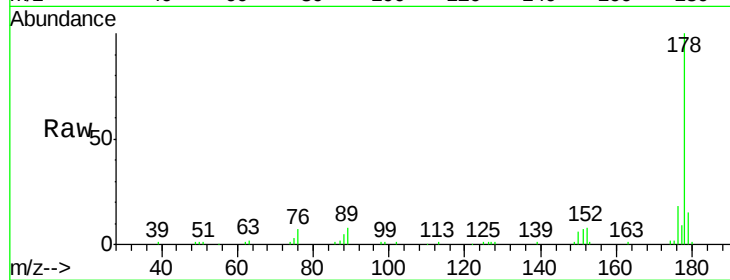
Tgt Ion:178 Resp: 84489

Ion Ratio Lower Upper

178 100

176 18.2 15.3 22.9

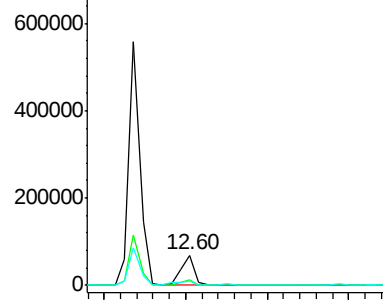
179 15.2 12.2 18.4



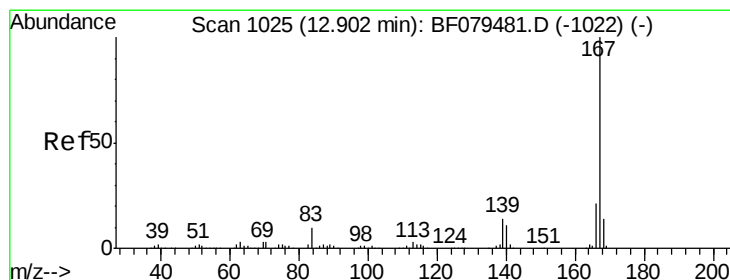
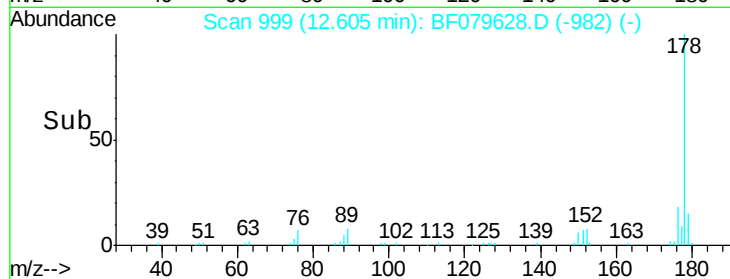
Abundance Ion 178.00 (177.70 to 178.70): E

Ion 176.00 (175.70 to 176.70): E

Ion 179.00 (178.70 to 179.70): E



Time--> 12.50 12.60 12.70 12.80



#72

Carbazole

Concen: 3.45 ng

RT: 12.82 min Scan# 1018

Delta R.T. -0.00 min

Lab File: BF079628.D

Acq: 31 May 2015 5:48

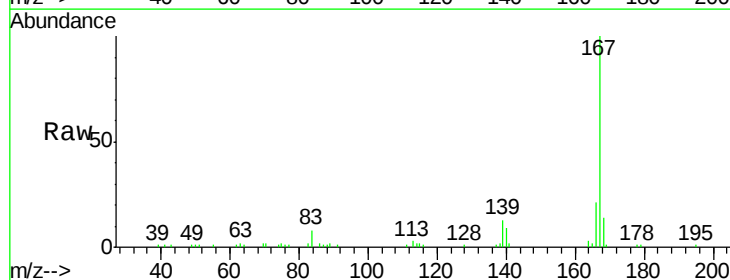
Tgt Ion:167 Resp: 45688

Ion Ratio Lower Upper

167 100

166 21.1 17.0 25.4

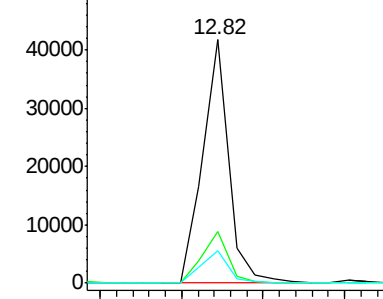
139 13.3 11.2 16.8



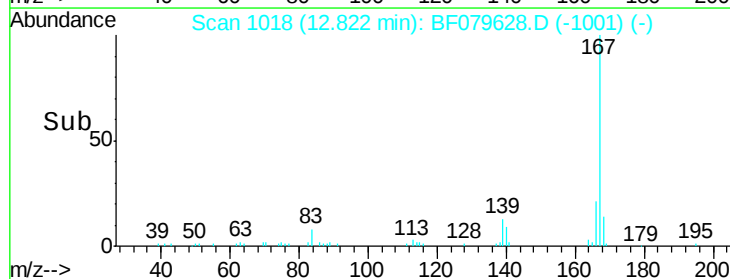
Abundance Ion 167.00 (166.70 to 167.70): E

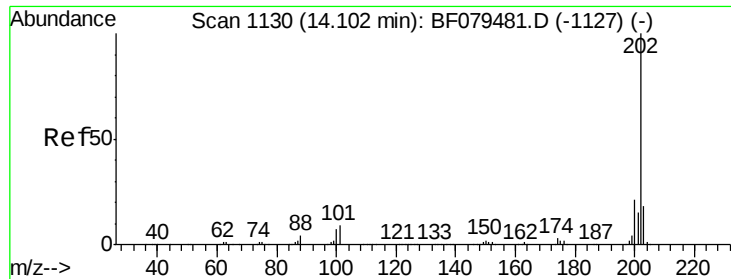
Ion 166.00 (165.70 to 166.70): E

Ion 139.00 (138.70 to 139.70): E



Time--> 12.75 12.80 12.85 12.90





#74

Fluoranthene

Concen: 36.90 ng

RT: 14.01 min Scan# 1122

Delta R.T. -0.00 min

Lab File: BF079628.D

Acq: 31 May 2015 5:48

Instrument :

BNA_F

ClientSampleId :

SB-25SDL

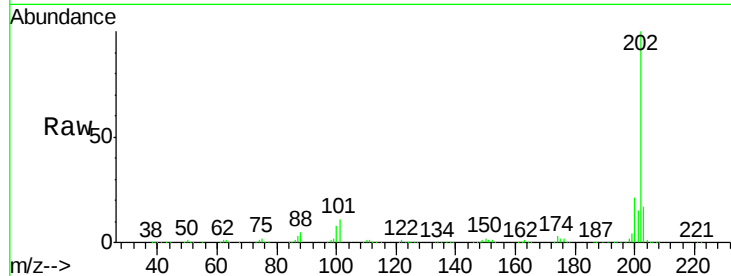
Tgt Ion: 202 Resp: 536186

Ion Ratio Lower Upper

202 100

101 11.0 0.0 29.3

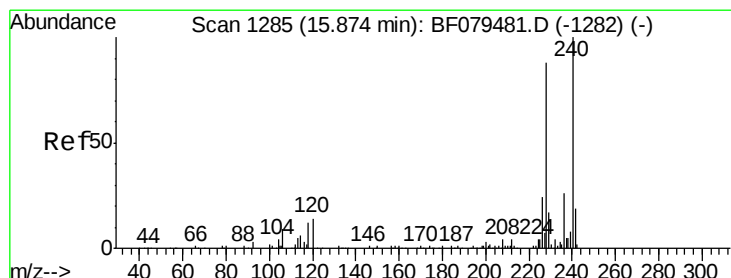
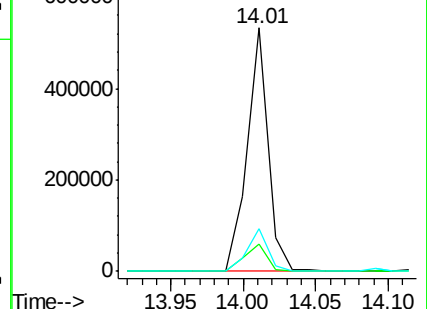
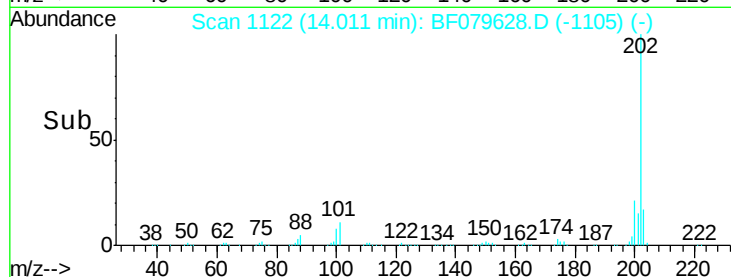
203 17.4 0.0 37.6



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: 15.78 min Scan# 1277

Delta R.T. -0.01 min

Lab File: BF079628.D

Acq: 31 May 2015 5:48

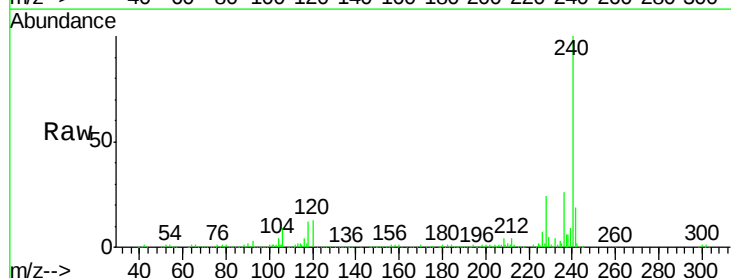
Tgt Ion: 240 Resp: 262491

Ion Ratio Lower Upper

240 100

120 12.6 10.8 16.2

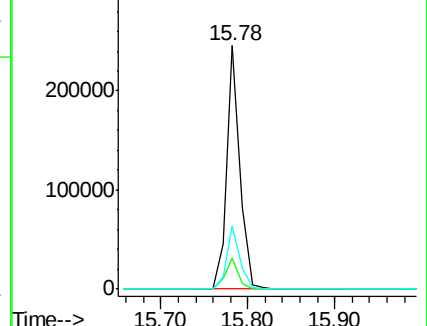
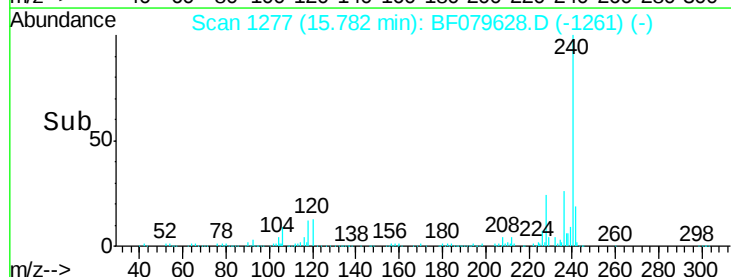
236 26.1 21.0 31.6

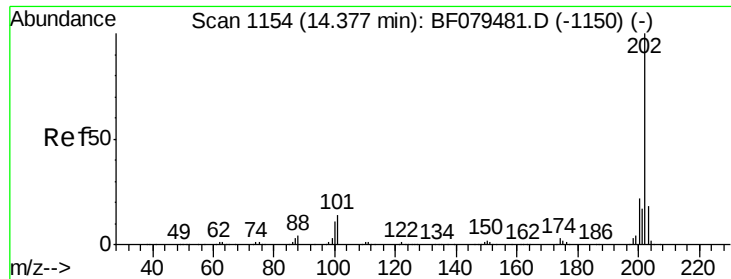


Abundance Ion 240.00 (239.70 to 240.70): E

Ion 120.00 (119.70 to 120.70): E

Ion 236.00 (235.70 to 236.70): E

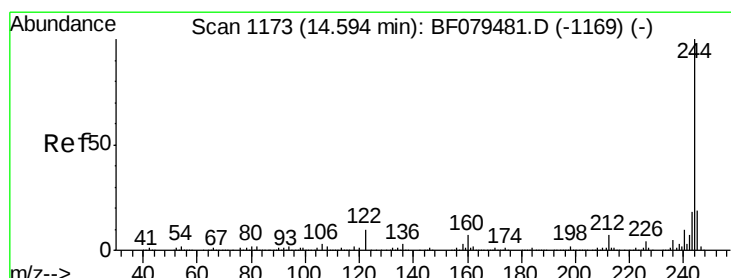
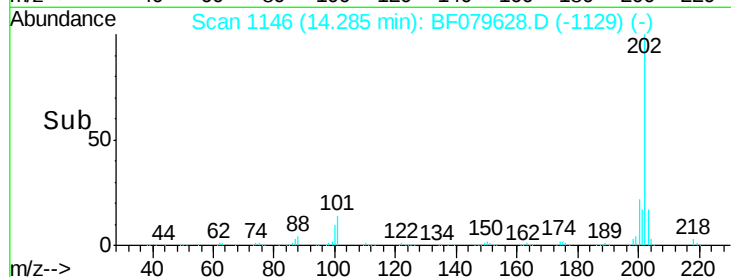
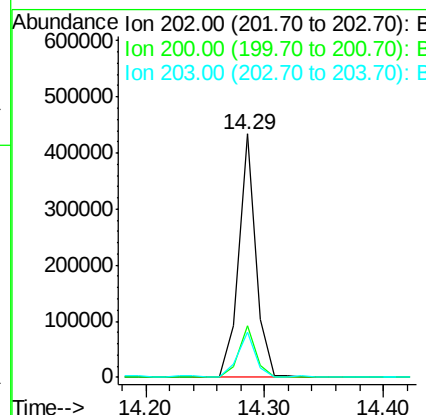
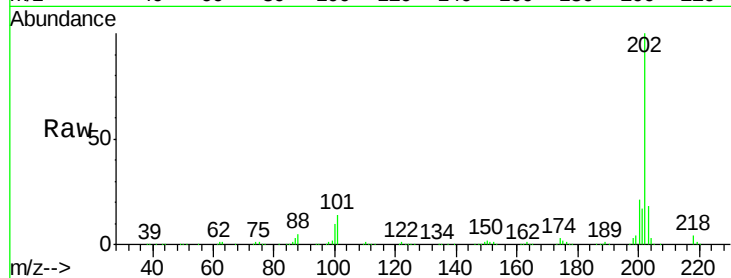




#77
 Pyrene
 Concen: 26.79 ng
 RT: 14.29 min Scan# 1146
 Delta R.T. -0.00 min
 Lab File: BF079628.D
 Acq: 31 May 2015 5:48

Instrument :
 BNA_F
 ClientSampleId :
 SB-25SDL

Tgt Ion	Ratio	Lower	Upper
202	100		
200	21.4	17.5	26.3
203	18.5	14.4	21.6



#78
 Terphenyl-d14
 Concen: 14.10 ng
 RT: 14.50 min Scan# 1165
 Delta R.T. -0.00 min
 Lab File: BF079628.D
 Acq: 31 May 2015 5:48

Tgt Ion	Ratio	Lower	Upper
244	100		
212	6.4	5.2	7.8
122	10.6	8.0	12.0

