

Data Path : Z:\HPCHEM1\BNA_F\Data\BF052115\
 Data File : BF079426.D
 Acq On : 22 May 2015 7:51 am
 Operator : TP/IZ
 Sample : G2289-08
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-29D

Quant Time: May 22 08:40:50 2015
 Quant Method : Z:\HPCHEM1\BNA_F\METHODS\8270-BF043015.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 22 08:37:23 2015
 Response via : Initial Calibration

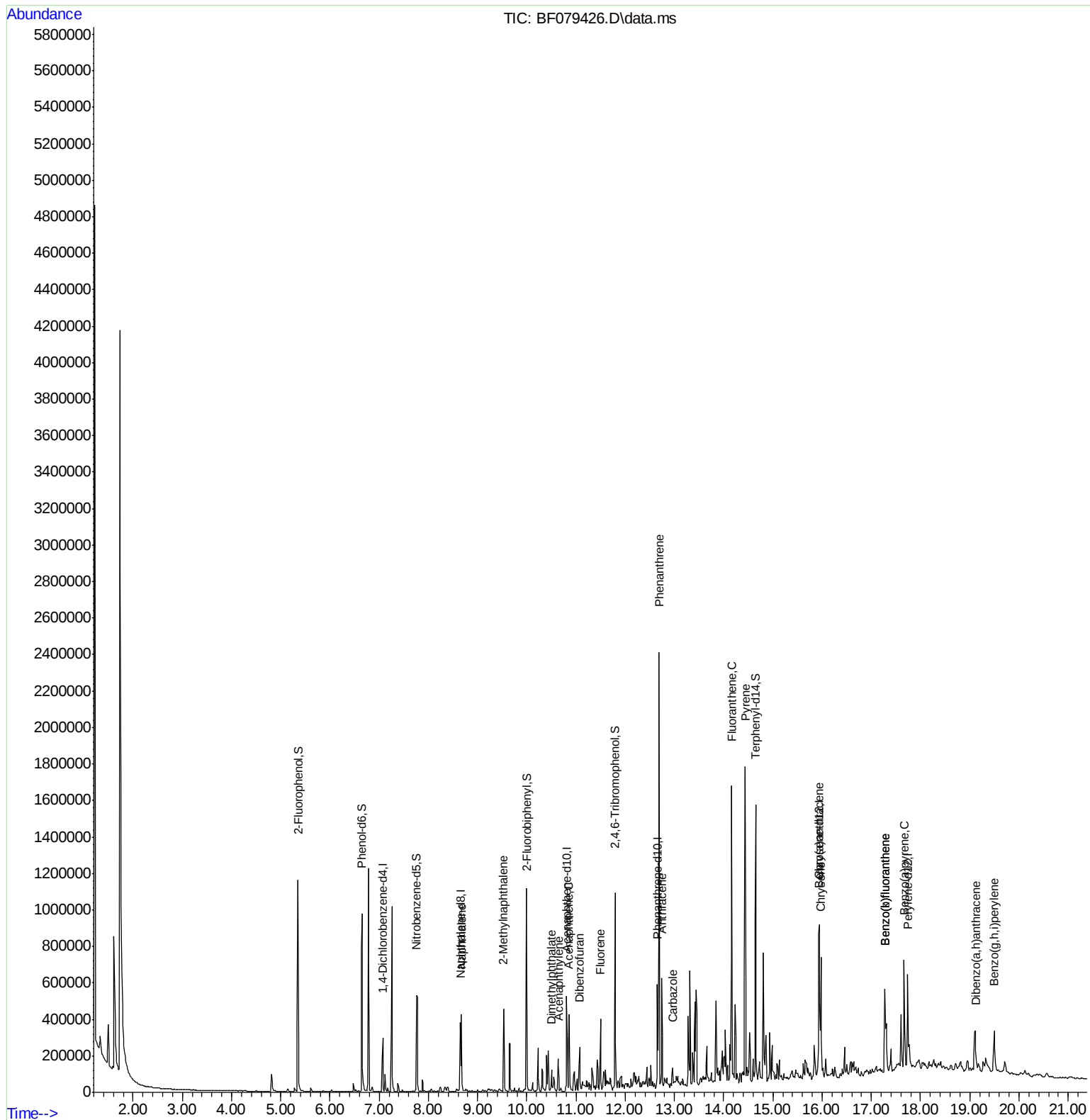
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.073	152	59143	20.00	ng	0.00
21) Naphthalene-d8	8.651	136	238147	20.00	ng	# 0.00
38) Acenaphthene-d10	10.811	164	117924	20.00	ng	0.00
63) Phenanthrene-d10	12.651	188	219691	20.00	ng	0.00
75) Chrysene-d12	15.943	240	226176	20.00	ng	# 0.01
86) Perylene-d12	17.737	264	248939	20.00	ng	0.11
System Monitoring Compounds						
5) 2-Fluorophenol	5.347	112	365550	106.39	ng	0.00
7) Phenol-d6	6.650	99	493648	108.70	ng	0.00
23) Nitrobenzene-d5	7.759	82	255951	61.77	ng	-0.01
41) 2,4,6-Tribromophenol	11.794	330	135890	106.52	ng	0.00
44) 2-Fluorobiphenyl	9.999	172	509616	60.21	ng	0.00
78) Terphenyl-d14	14.651	244	581084	61.51	ng	0.00
Target Compounds						Qvalue
31) Naphthalene	8.673	128	204324	18.01	ng	99
37) 2-Methylnaphthalene	9.531	142	126753	16.12	ng	99
48) Acenaphthylene	10.639	152	32232	2.68	ng	# 85
49) Dimethylphthalate	10.502	163	46989	5.43	ng	99
51) Acenaphthene	10.856	154	100207	14.00	ng	99
54) Dibenzofuran	11.074	168	55787	5.39	ng	97
57) Fluorene	11.497	166	119122	14.03	ng	99
70) Phenanthrene	12.685	178	984233	80.08	ng	98
71) Anthracene	12.742	178	268662	22.28	ng	98
72) Carbazole	12.960	167	43212	3.76	ng	98
74) Fluoranthene	14.160	202	744157	58.11	ng	96
77) Pyrene	14.434	202	765497	58.73	ng	98
80) Benzo(a)anthracene	15.931	228	347461	28.05	ng	98
82) Chrysene	15.977	228	283338	23.78	ng	97
87) Benzo(b)fluoranthene	17.280	252	443712	32.56	ng	99
88) Benzo(k)fluoranthene	17.280	252	443712	33.64	ng	# 97
89) Benzo(a)pyrene	17.669	252	286325	22.82	ng	99
90) Dibenzo(a,h)anthracene	19.120	278	43777	3.28	ng	# 91
91) Benzo(g,h,i)perylene	19.497	276	173797	13.00	ng	# 95

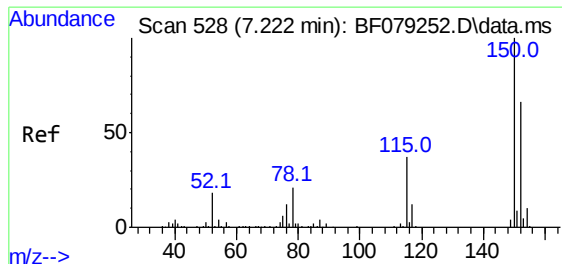
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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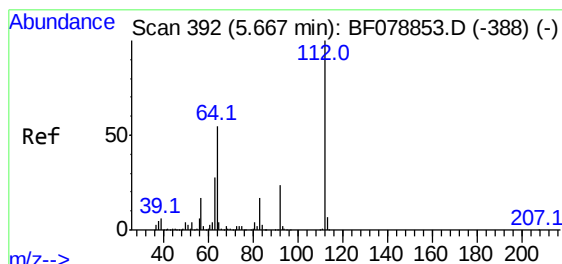
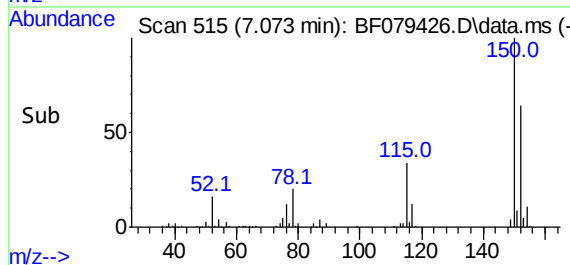
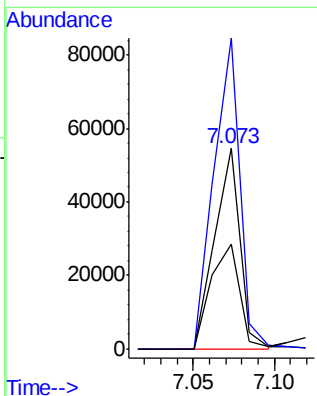
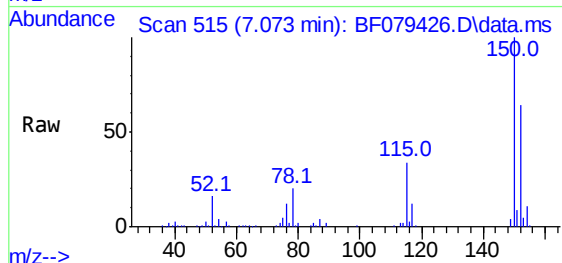




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.073 min Scan# 515
Delta R.T. 0.000 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51 am

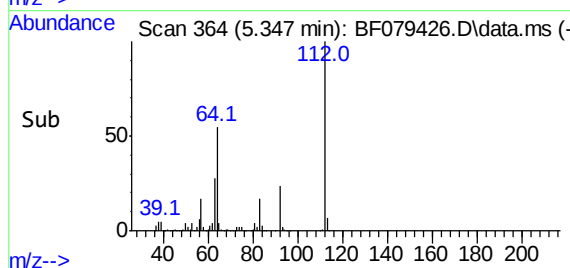
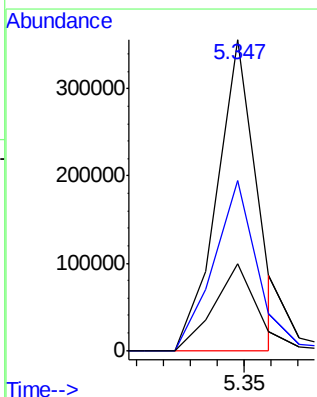
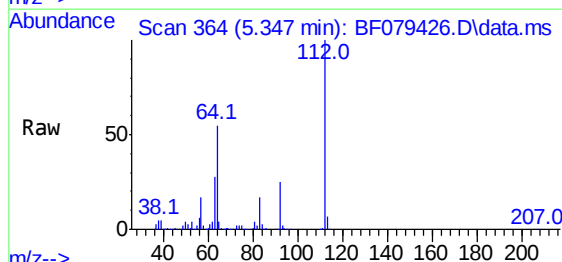
Instrument :
BNA_F
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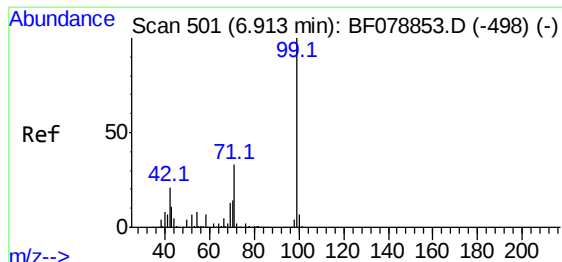
Tgt Ion:152 Resp: 59143
Ion Ratio Lower Upper
152 100
150 155.1 123.8 185.8
115 52.3 49.4 74.0



#5
2-Fluorophenol
Concen: 106.39 ng
RT: 5.347 min Scan# 364
Delta R.T. 0.000 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51 am

Tgt Ion:112 Resp: 365550
Ion Ratio Lower Upper
112 100
64 54.8 44.2 66.2
63 27.9 22.7 34.1

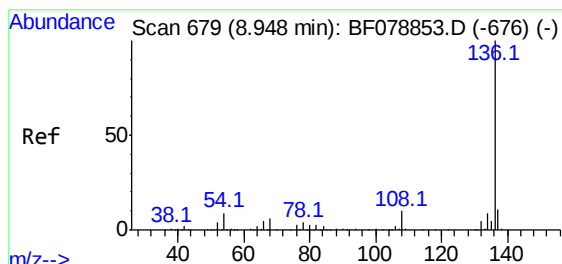
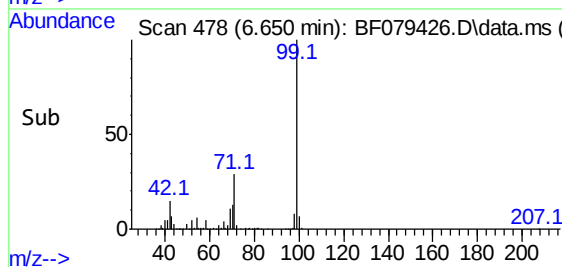
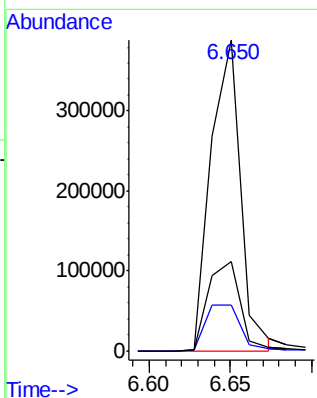
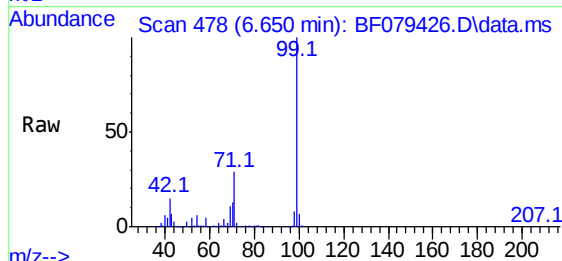




#7
Phenol-d6
Concen: 108.70 ng
RT: 6.650 min Scan# 478
Delta R.T. 0.000 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51 am

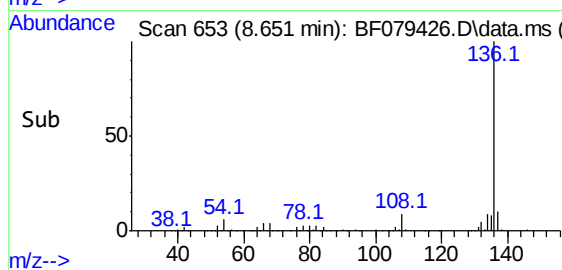
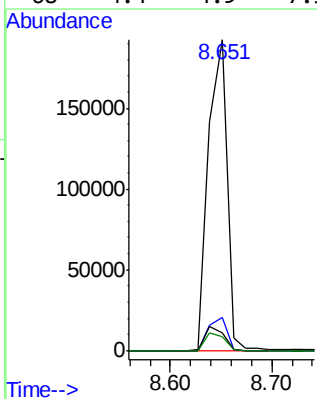
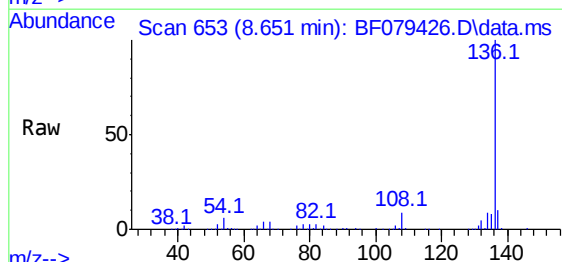
Instrument :
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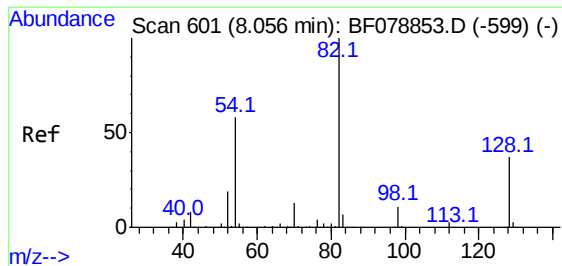
Tgt Ion: 99 Resp: 493648
Ion Ratio Lower Upper
99 100
42 14.6 17.1 25.7#
71 28.8 26.3 39.5



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.651 min Scan# 653
Delta R.T. 0.000 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51 am

Tgt Ion:136 Resp: 238147
Ion Ratio Lower Upper
136 100
137 10.4 8.8 13.2
54 5.6 6.9 10.3#
68 4.4 4.9 7.3#

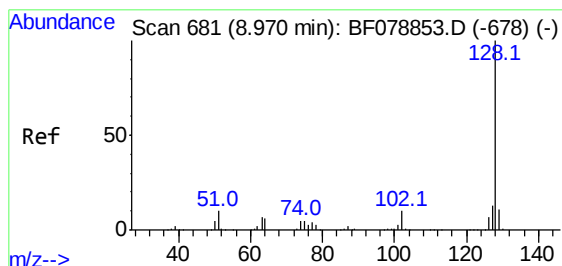
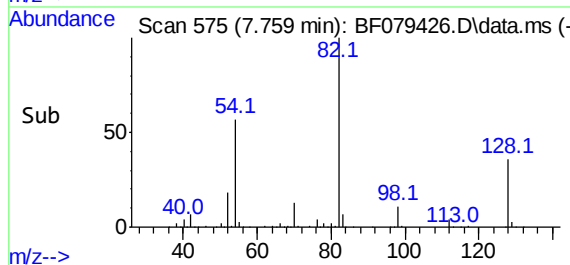
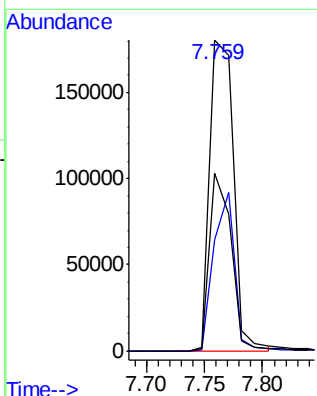
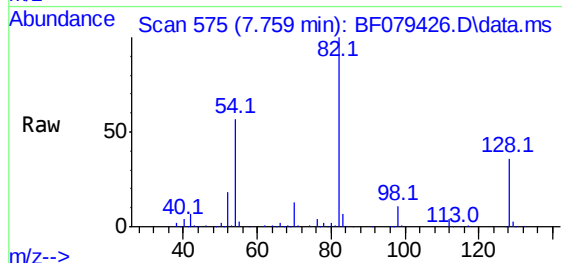




#23
Nitrobenzene-d5
Concen: 61.77 ng
RT: 7.759 min Scan# 575
Delta R.T. -0.011 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51 am

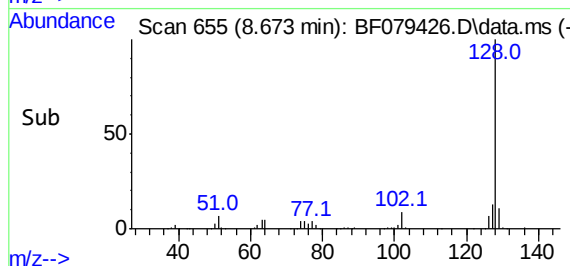
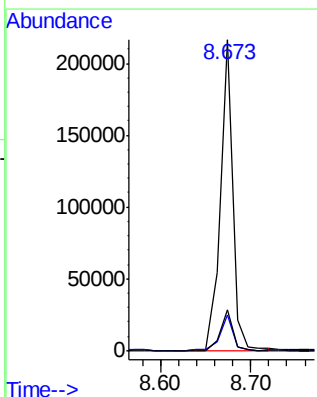
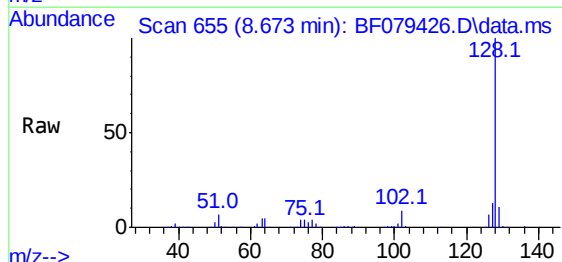
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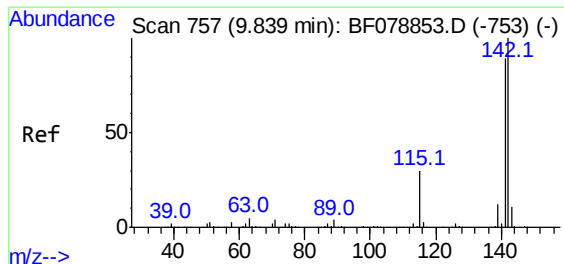
Tgt Ion: 82 Resp: 255951
Ion Ratio Lower Upper
82 100
128 35.9 29.7 44.5
54 57.1 46.2 69.4



#31
Naphthalene
Concen: 18.01 ng
RT: 8.673 min Scan# 655
Delta R.T. 0.000 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51 am

Tgt Ion: 128 Resp: 204324
Ion Ratio Lower Upper
128 100
129 11.2 9.2 13.8
127 13.1 10.3 15.5

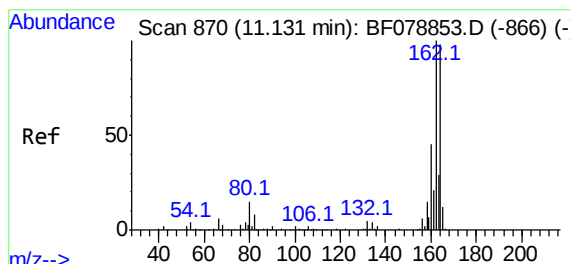
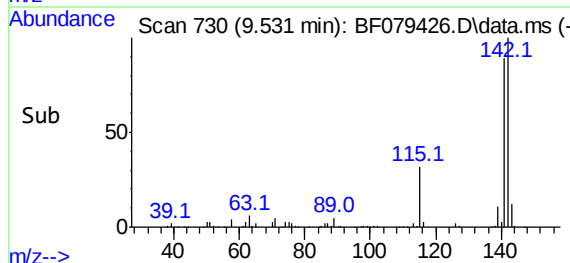
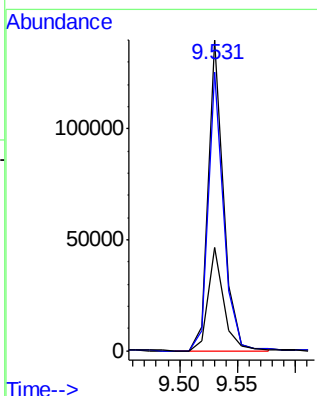
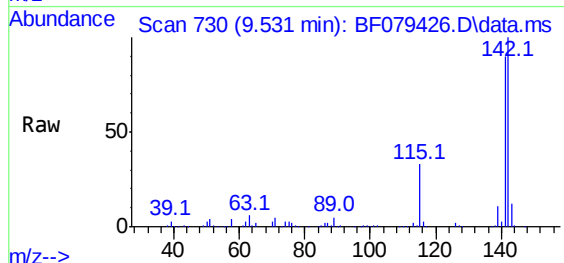




#37
2-Methylnaphthalene
Concen: 16.12 ng
RT: 9.531 min Scan# 730
Delta R.T. 0.000 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51 am

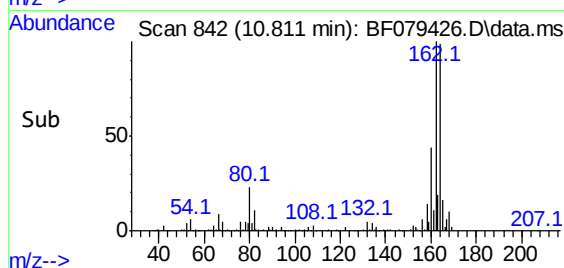
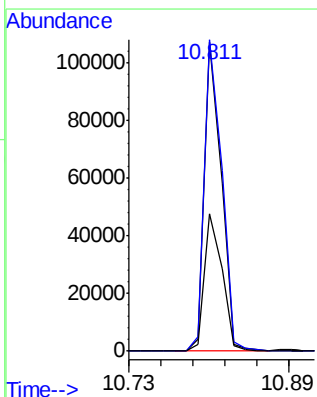
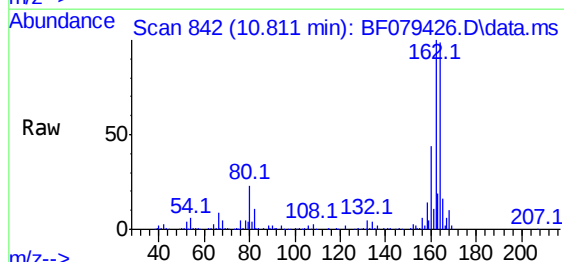
Instrument :
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ClientSampleId :
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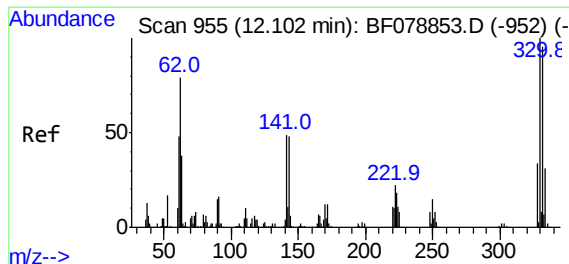
Tgt Ion:142 Resp: 126753
Ion Ratio Lower Upper
142 100
141 89.5 71.6 107.4
115 33.1 24.2 36.4



#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.811 min Scan# 842
Delta R.T. 0.000 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51 am

Tgt Ion:164 Resp: 117924
Ion Ratio Lower Upper
164 100
162 100.8 81.4 122.0
160 44.4 36.6 54.8

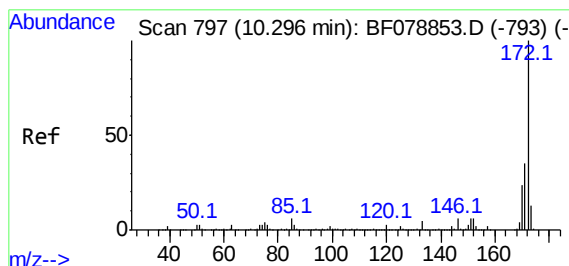
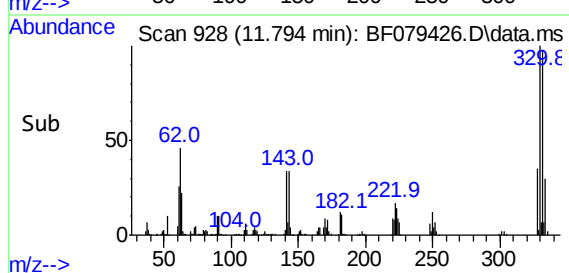
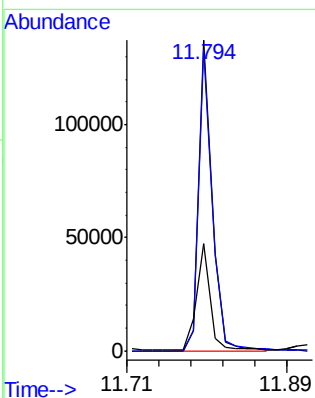
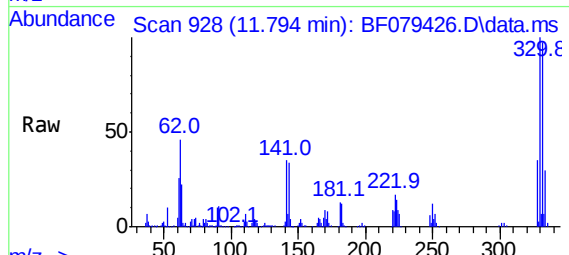




#41
2,4,6-Tribromophenol
Concen: 106.52 ng
RT: 11.794 min Scan# 928
Delta R.T. 0.000 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51 am

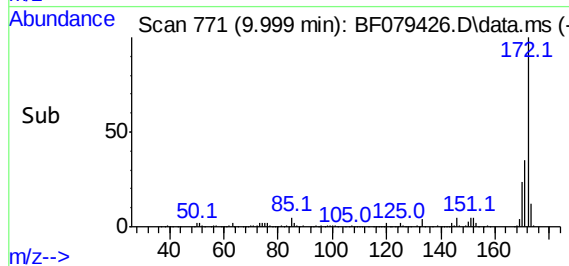
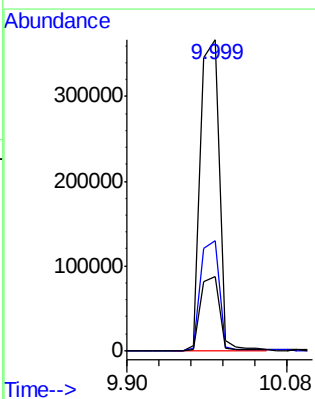
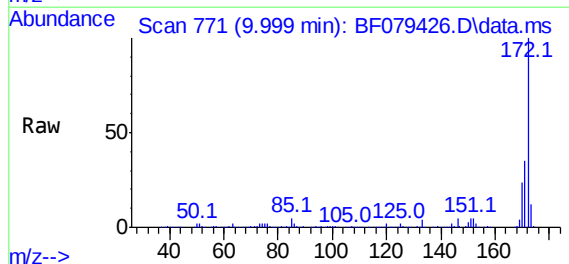
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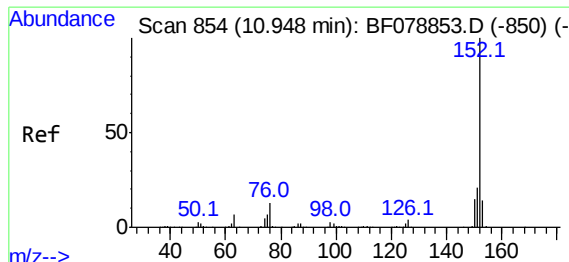
Tgt Ion:	330	Resp:	135890
Ion	Ratio	Lower	Upper
330	100		
332	97.5	76.9	115.3
141	34.7	27.8	41.8



#44
2-Fluorobiphenyl
Concen: 60.21 ng
RT: 9.999 min Scan# 771
Delta R.T. 0.000 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51 am

Tgt Ion:	172	Resp:	509616
Ion	Ratio	Lower	Upper
172	100		
171	35.3	28.3	42.5
170	23.9	19.4	29.2

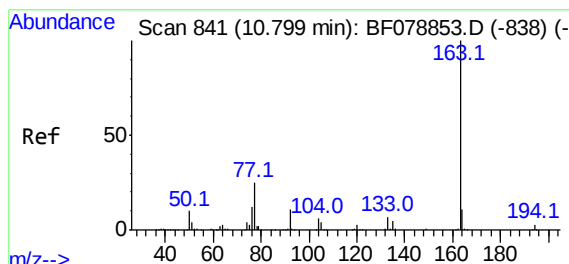
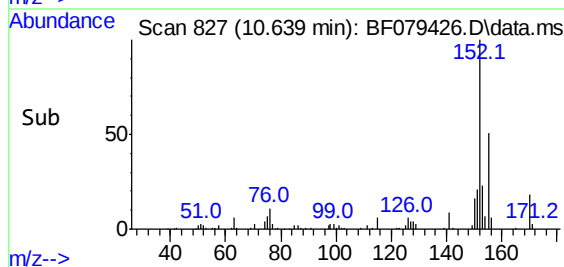
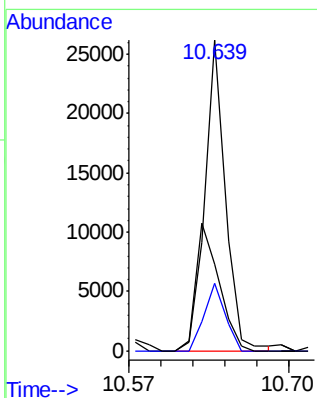
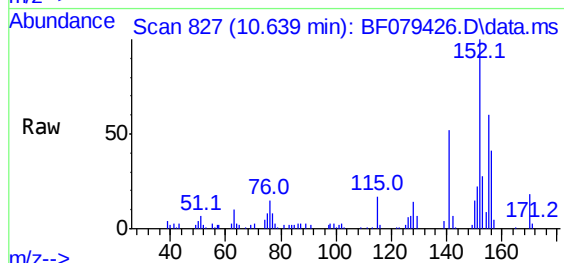




#48
Acenaphthylene
Concen: 2.68 ng
RT: 10.639 min Scan# 827
Delta R.T. 0.000 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51 am

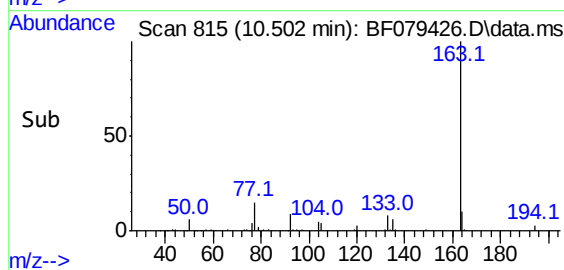
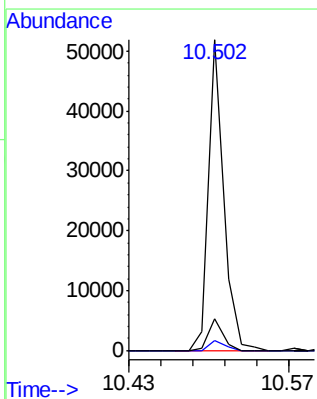
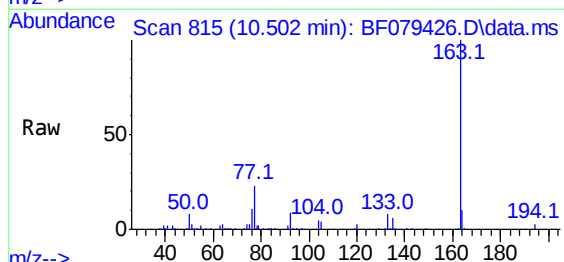
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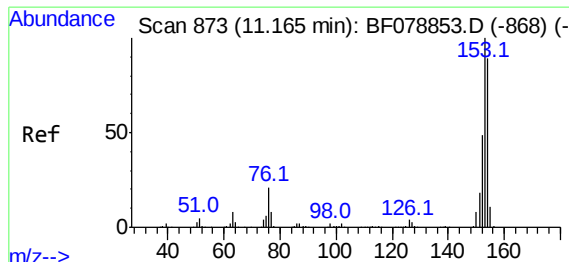
Tgt Ion:152 Resp: 32232
Ion Ratio Lower Upper
152 100
151 21.9 16.6 24.8
153 27.8 11.0 16.6#



#49
Dimethylphthalate
Concen: 5.43 ng
RT: 10.502 min Scan# 815
Delta R.T. 0.000 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51 am

Tgt Ion:163 Resp: 46989
Ion Ratio Lower Upper
163 100
194 3.3 2.4 3.6
164 10.2 8.6 12.8

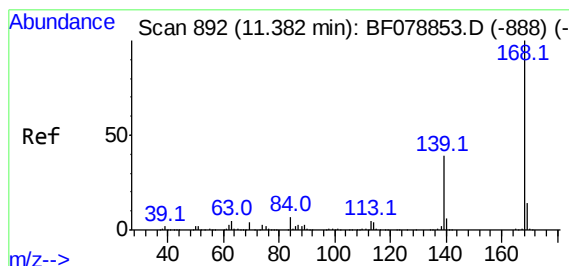
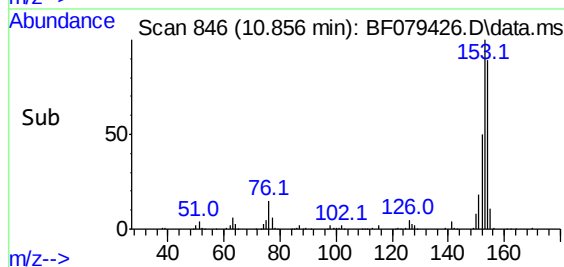
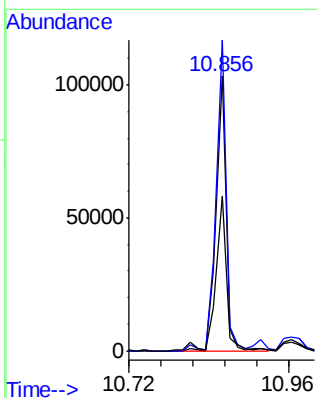
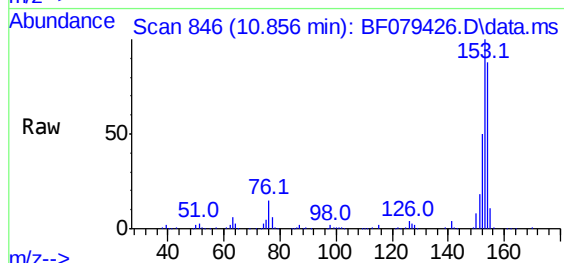




#51
Acenaphthene
Concen: 14.00 ng
RT: 10.856 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51 am

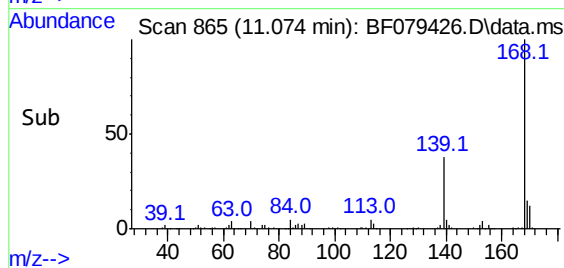
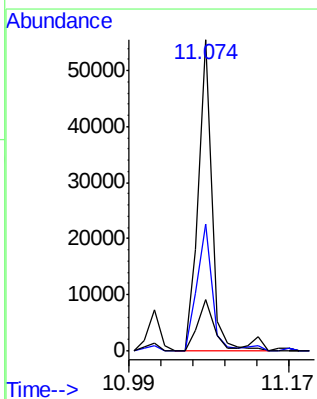
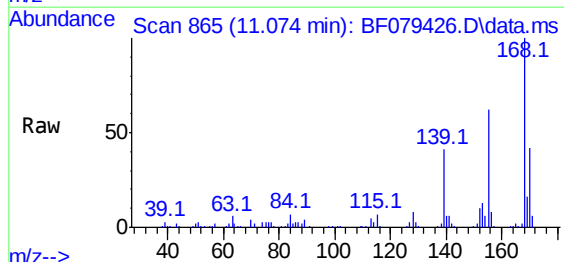
Instrument :
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ClientSampleId :
SB-29D

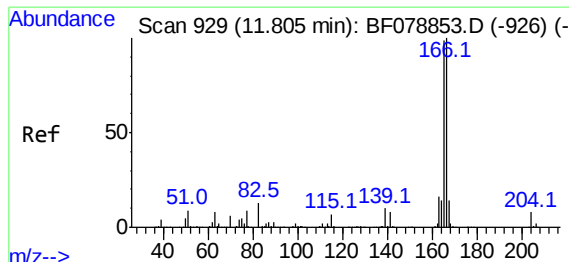
Tgt Ion:154 Resp: 100207
Ion Ratio Lower Upper
154 100
153 113.2 90.2 135.2
152 56.4 43.8 65.8



#54
Dibenzofuran
Concen: 5.39 ng
RT: 11.074 min Scan# 865
Delta R.T. 0.000 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51 am

Tgt Ion:168 Resp: 55787
Ion Ratio Lower Upper
168 100
139 40.8 31.5 47.3
169 16.3 11.0 16.4

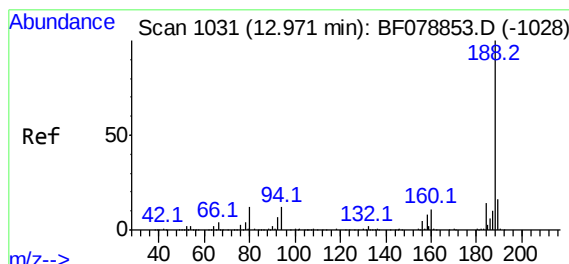
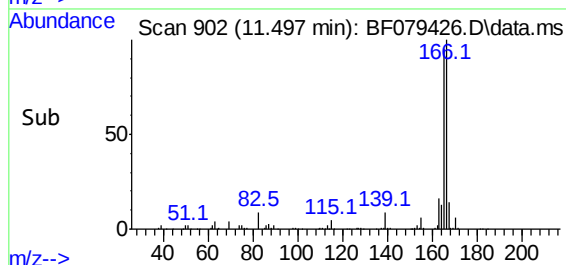
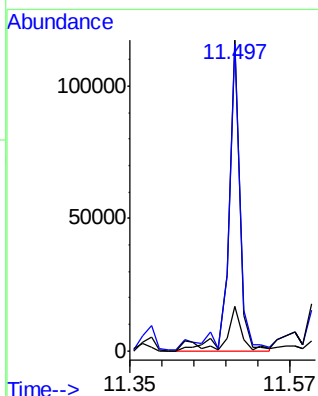
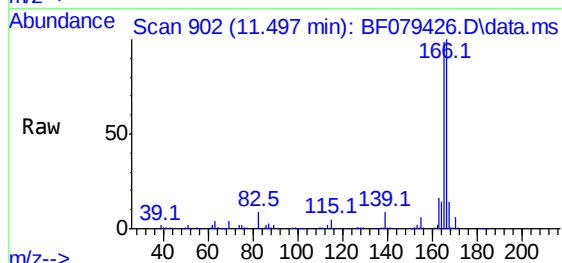




#57
Fluorene
Concen: 14.03 ng
RT: 11.497 min Scan# 902
Delta R.T. 0.000 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51 am

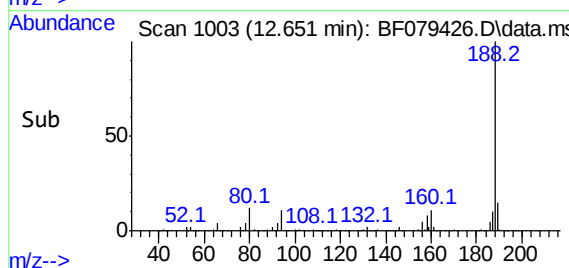
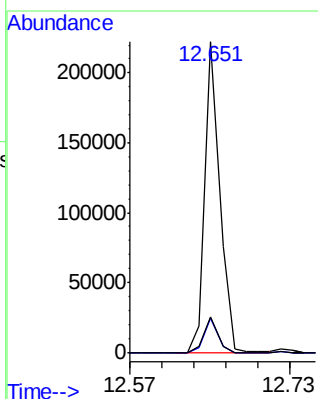
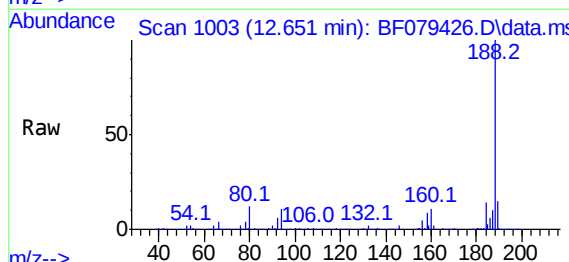
Instrument :
BNA_F
ClientSampleId :
SB-29D

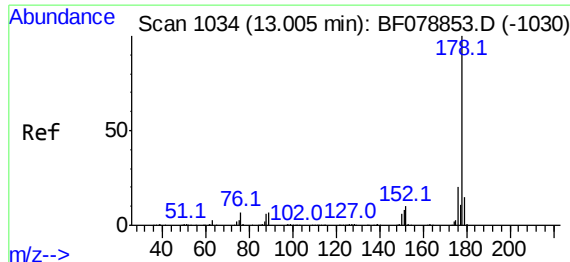
Tgt Ion:166 Resp: 119122
Ion Ratio Lower Upper
166 100
165 98.8 79.5 119.3
167 14.2 11.0 16.6



#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.651 min Scan# 1003
Delta R.T. 0.000 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51 am

Tgt Ion:188 Resp: 219691
Ion Ratio Lower Upper
188 100
94 10.9 9.4 14.0
80 11.6 9.8 14.6





#70

Phenanthrene

Concen: 80.08 ng

RT: 12.685 min Scan# 1006

Delta R.T. 0.000 min

Lab File: BF079426.D

Acq: 22 May 2015 7:51 am

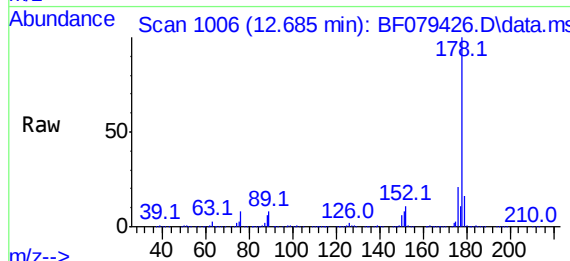
Tgt Ion:178 Resp: 984233

Ion Ratio Lower Upper

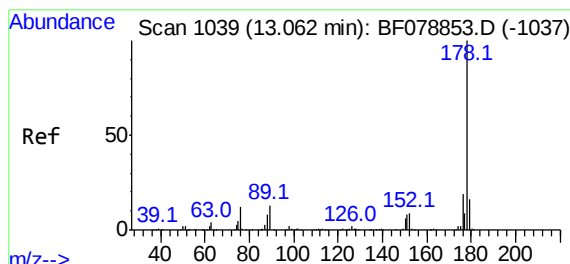
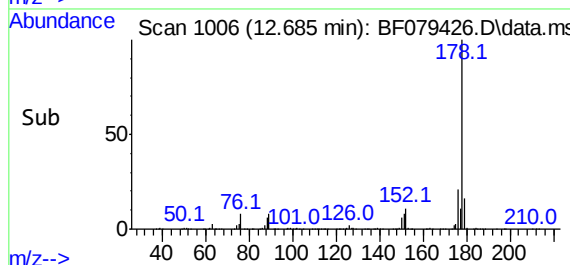
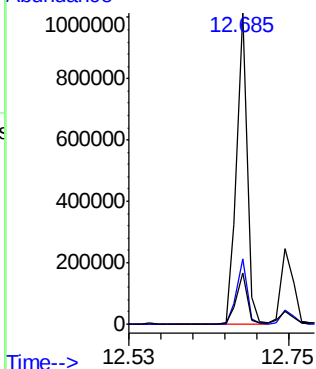
178 100

176 20.8 15.9 23.9

179 16.3 12.2 18.4



Abundance



#71

Anthracene

Concen: 22.28 ng

RT: 12.742 min Scan# 1011

Delta R.T. 0.000 min

Lab File: BF079426.D

Acq: 22 May 2015 7:51 am

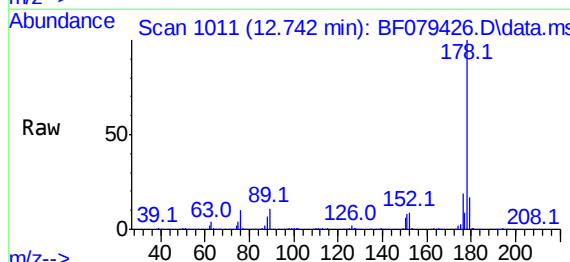
Tgt Ion:178 Resp: 268662

Ion Ratio Lower Upper

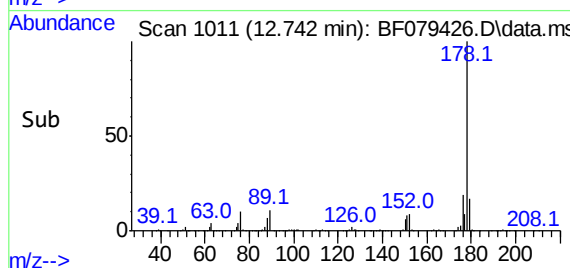
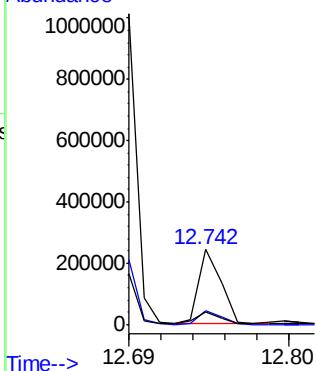
178 100

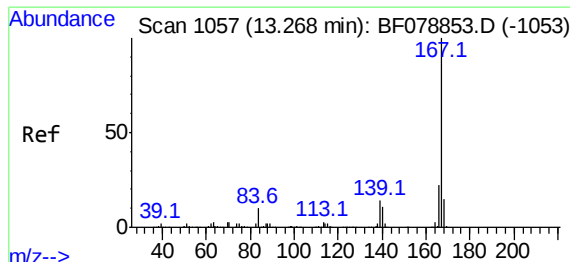
176 18.8 15.3 22.9

179 17.4 12.6 19.0



Abundance

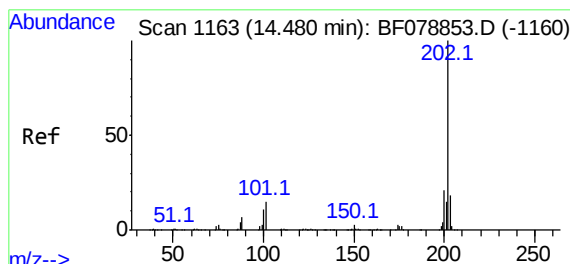
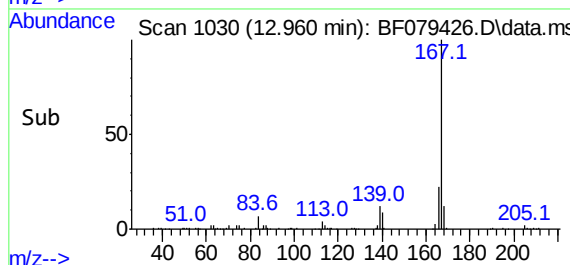
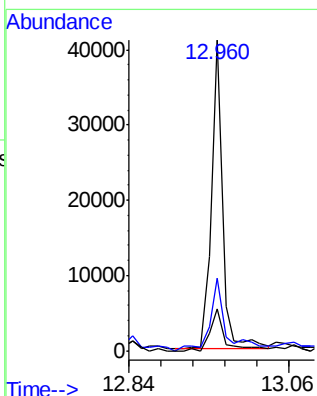
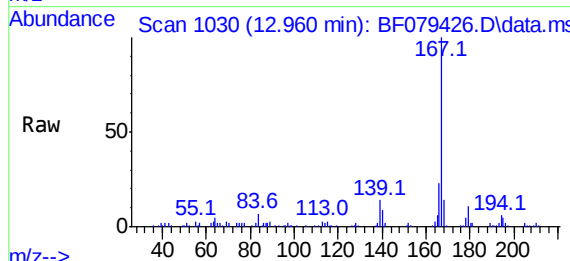




#72
Carbazole
Concen: 3.76 ng
RT: 12.960 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51 am

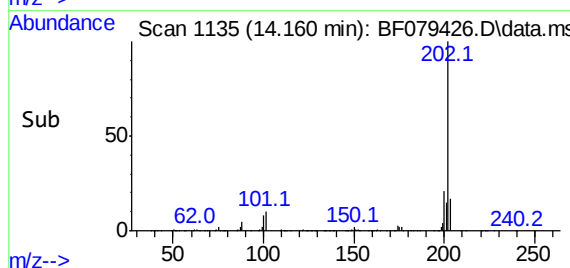
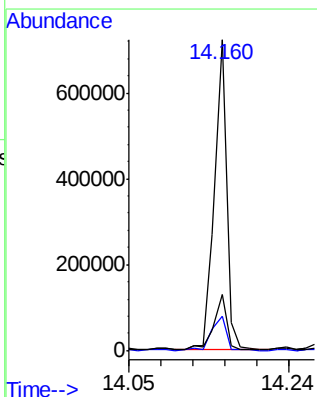
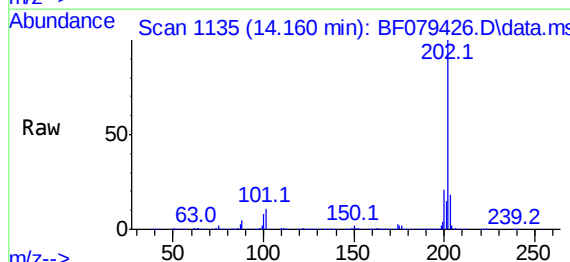
Instrument :
BNA_F
ClientSampleId :
SB-29D

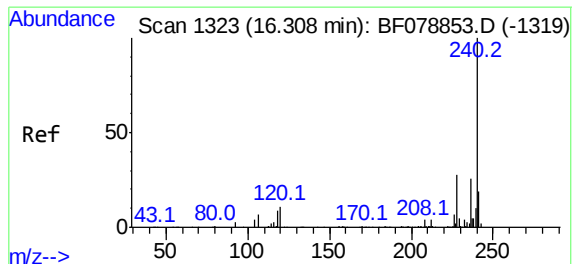
Tgt Ion:167 Resp: 43212
Ion Ratio Lower Upper
167 100
166 23.4 17.5 26.3
139 13.7 11.0 16.4



#74
Fluoranthene
Concen: 58.11 ng
RT: 14.160 min Scan# 1135
Delta R.T. 0.000 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51 am

Tgt Ion:202 Resp: 744157
Ion Ratio Lower Upper
202 100
101 10.9 0.0 34.7
203 17.9 0.0 37.9

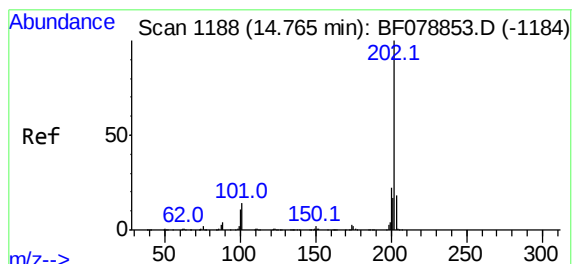
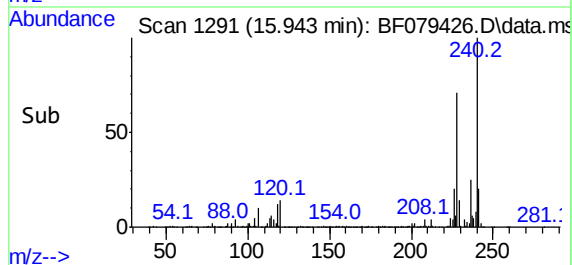
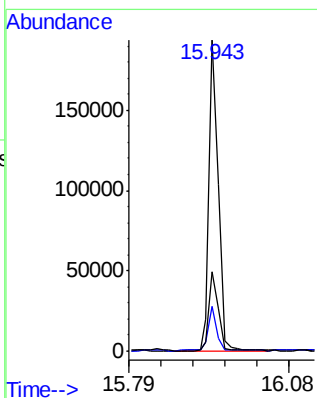
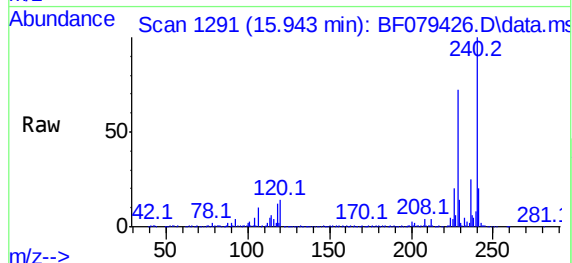




#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.943 min Scan# 1291
Delta R.T. 0.012 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51 am

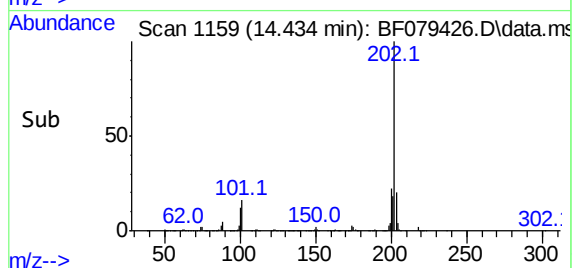
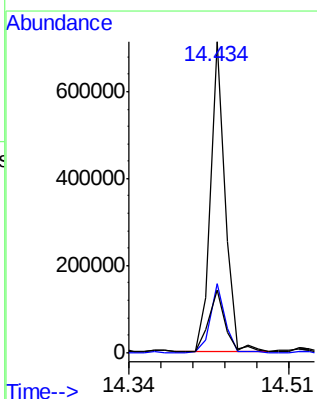
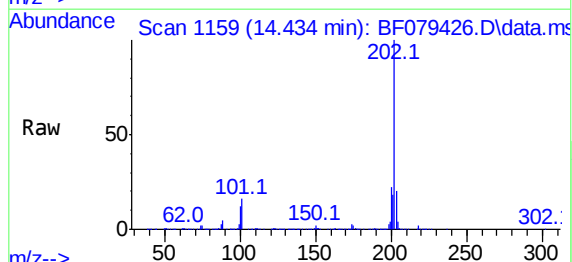
Instrument :
BNA_F
ClientSampleId :
SB-29D

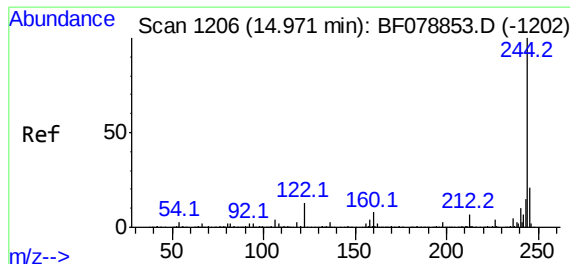
Tgt Ion:240 Resp: 226176
Ion Ratio Lower Upper
240 100
120 14.2 8.6 12.8#
236 25.3 21.0 31.6



#77
Pyrene
Concen: 58.73 ng
RT: 14.434 min Scan# 1159
Delta R.T. 0.000 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51 am

Tgt Ion:202 Resp: 765497
Ion Ratio Lower Upper
202 100
200 22.0 17.5 26.3
203 20.2 14.7 22.1

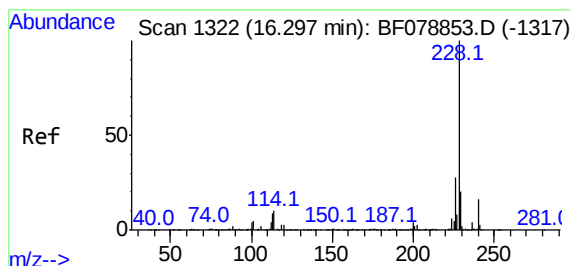
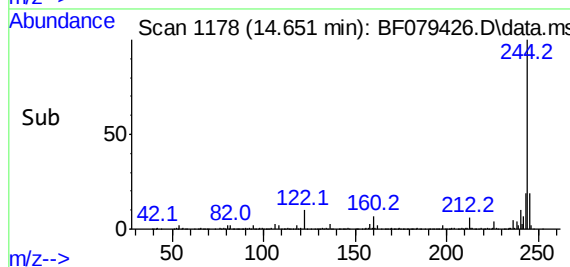
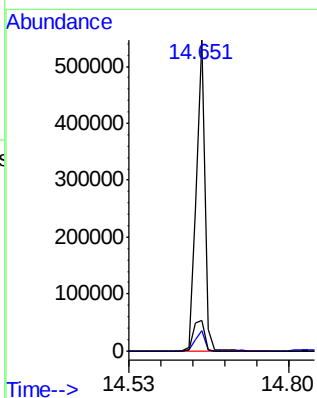
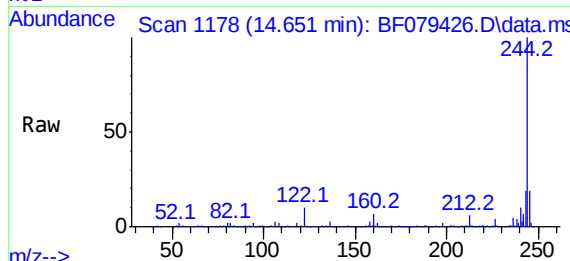




#78
 Terphenyl-d14
 Concen: 61.51 ng
 RT: 14.651 min Scan# 1178
 Delta R.T. 0.000 min
 Lab File: BF079426.D
 Acq: 22 May 2015 7:51 am

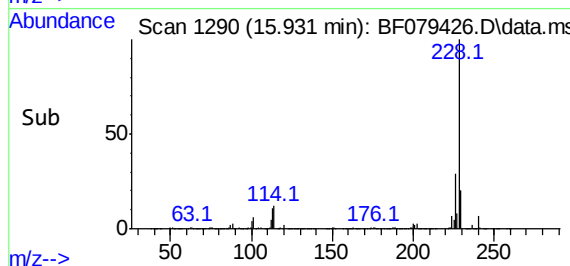
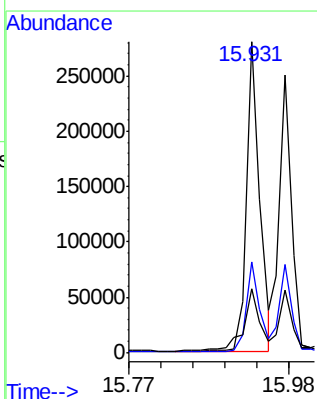
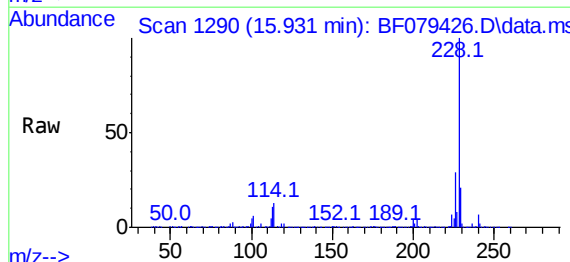
Instrument :
 BNA_F
 ClientSampleId :
 SB-29D

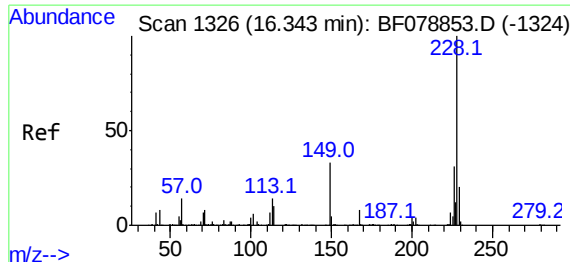
Tgt Ion:244 Resp: 581084
 Ion Ratio Lower Upper
 244 100
 212 6.3 5.6 8.4
 122 9.7 10.5 15.7#



#80
 Benzo(a)anthracene
 Concen: 28.05 ng
 RT: 15.931 min Scan# 1290
 Delta R.T. 0.012 min
 Lab File: BF079426.D
 Acq: 22 May 2015 7:51 am

Tgt Ion:228 Resp: 347461
 Ion Ratio Lower Upper
 228 100
 226 29.3 22.3 33.5
 229 20.6 16.1 24.1

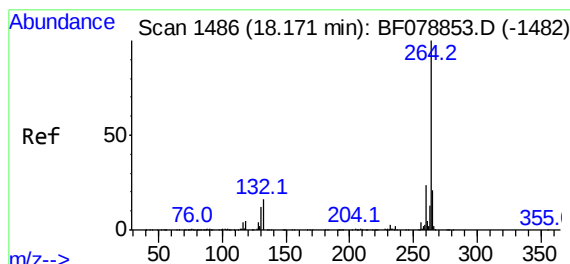
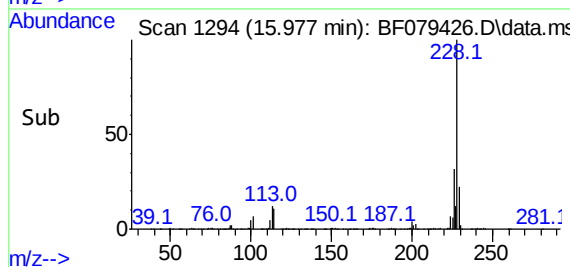
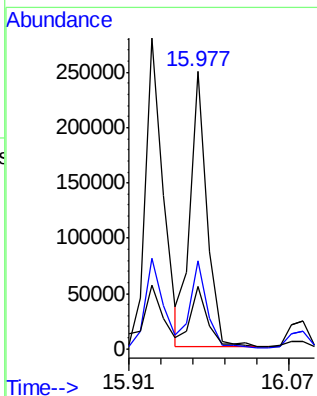
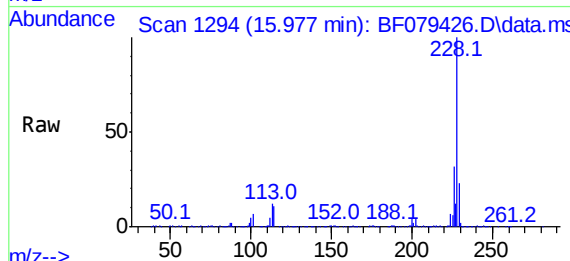




#82
Chrysene
Concen: 23.78 ng
RT: 15.977 min Scan# 1294
Delta R.T. 0.012 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51 am

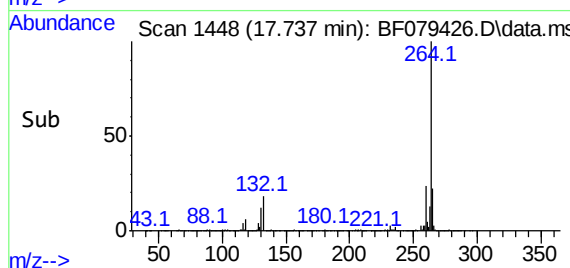
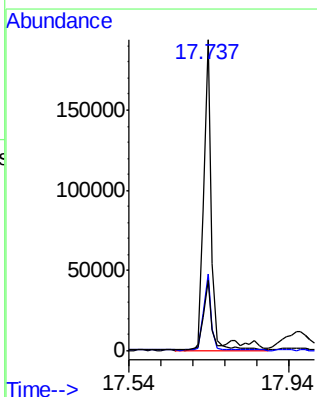
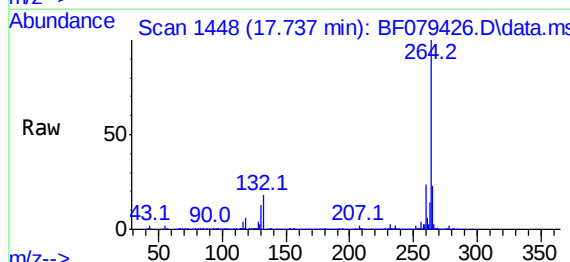
Instrument :
BNA_F
ClientSampleId :
SB-29D

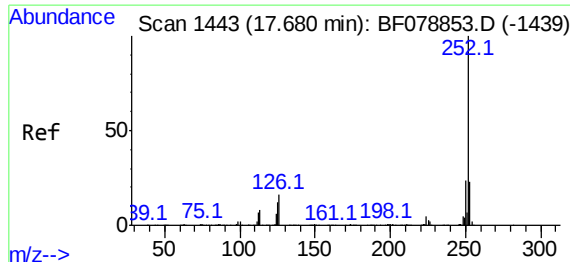
Tgt Ion:228 Resp: 283338
Ion Ratio Lower Upper
228 100
226 31.7 24.8 37.2
229 22.7 16.1 24.1



#86
Perylene-d12
Concen: 20.00 ng
RT: 17.737 min Scan# 1448
Delta R.T. 0.114 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51 am

Tgt Ion:264 Resp: 248939
Ion Ratio Lower Upper
264 100
260 24.5 19.2 28.8
265 22.6 17.2 25.8

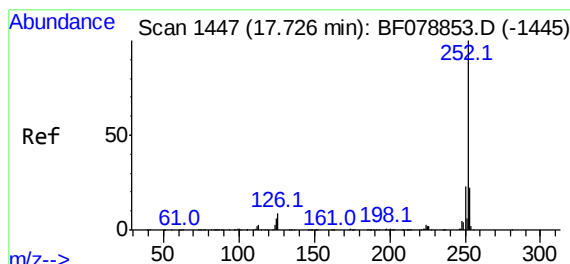
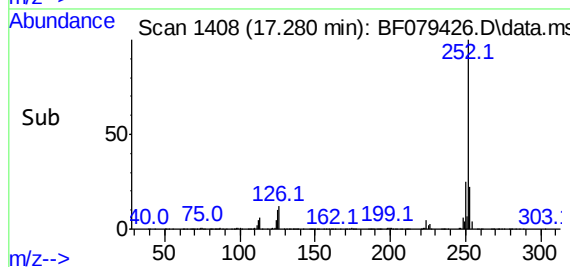
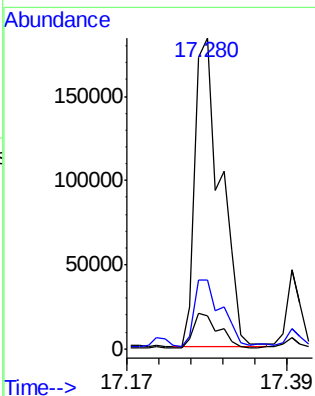
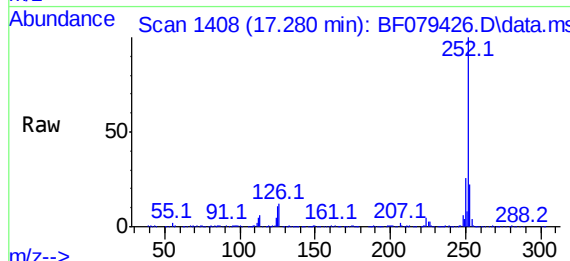




#87
Benzo(b)fluoranthene
Concen: 32.56 ng
RT: 17.280 min Scan# 1408
Delta R.T. 0.092 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51 am

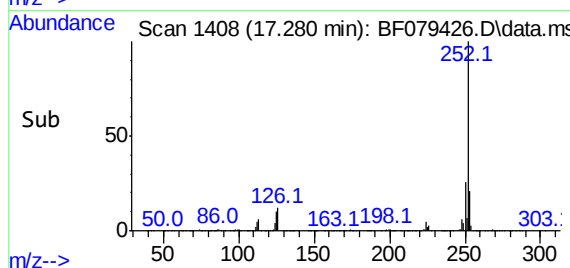
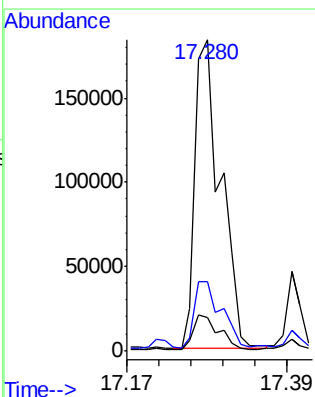
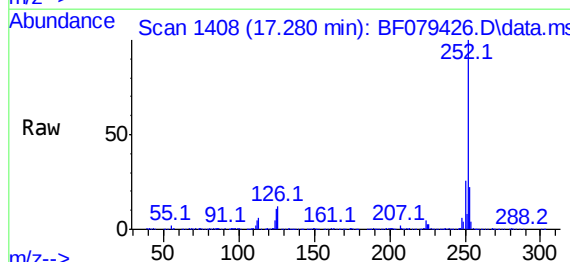
Instrument :
BNA_F
ClientSampleId :
SB-29D

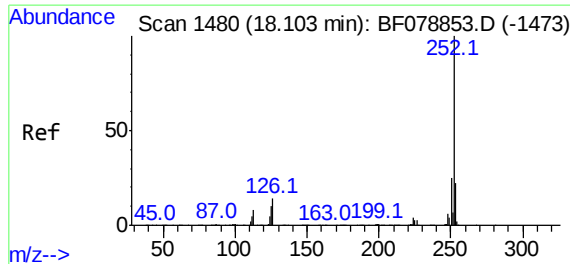
Tgt Ion:252 Resp: 443712
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 10.8 9.4 14.2



#88
Benzo(k)fluoranthene
Concen: 33.64 ng
RT: 17.280 min Scan# 1408
Delta R.T. 0.057 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51 am

Tgt Ion:252 Resp: 443712
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.0
125 10.8 6.1 9.1#

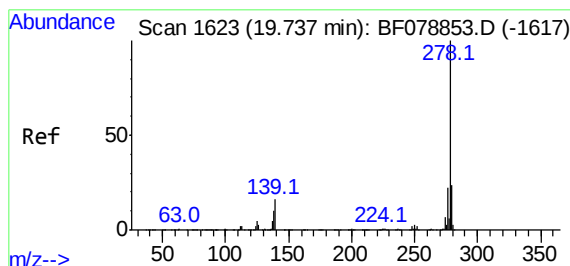
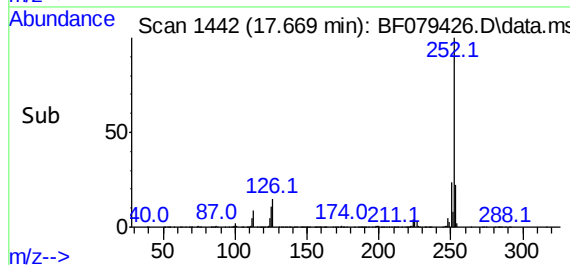
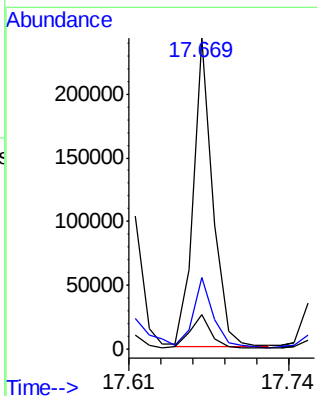
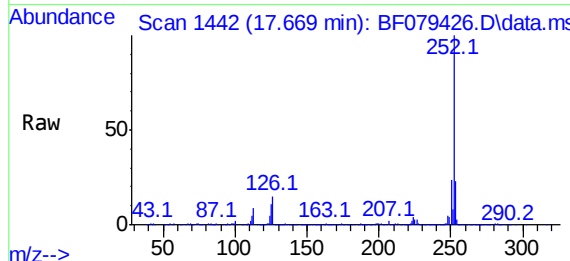




#89
Benzo(a)pyrene
Concen: 22.82 ng
RT: 17.669 min Scan# 1442
Delta R.T. 0.114 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51 am

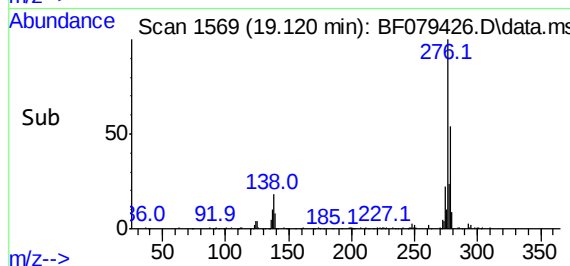
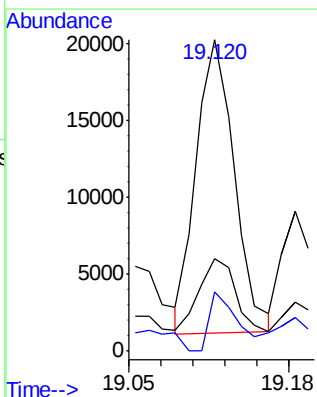
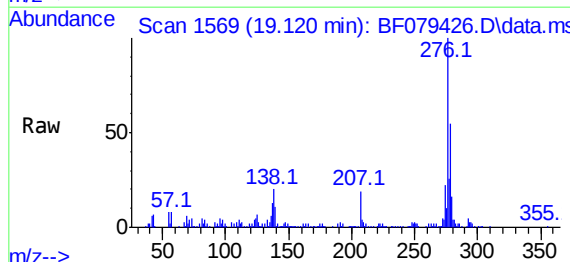
Instrument :
BNA_F
ClientSampleId :
SB-29D

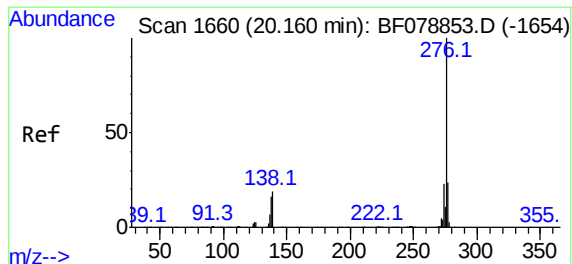
Tgt Ion:252 Resp: 286325
Ion Ratio Lower Upper
252 100
253 22.9 18.0 27.0
125 11.2 8.2 12.2



#90
Dibenzo(a,h)anthracene
Concen: 3.28 ng
RT: 19.120 min Scan# 1569
Delta R.T. 0.149 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51 am

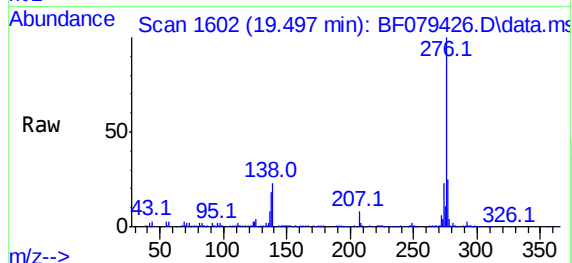
Tgt Ion:278 Resp: 43777
Ion Ratio Lower Upper
278 100
139 19.0 13.1 19.7
279 29.7 19.1 28.7#





#91
Benzo(g,h,i)perylene
Concen: 13.00 ng
RT: 19.497 min Scan# 1602
Delta R.T. 0.149 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51 am

Instrument :
BNA_F
ClientSampleId :
SB-29D



Tgt Ion:276 Resp: 173797
Ion Ratio Lower Upper
276 100
277 24.5 18.8 28.2
138 23.0 15.2 22.8#

