

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

Instrument :
 BNA_F
 ClientSampleId :
 SB-29D

Manual Integrations
 APPROVED

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 5/22/2015 4:32:14 PM

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	386502m	112.49	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
85) Indeno(1,2,3-cd)pyrene	19.109	276	165810m	10.92	ng	
87) Benzo(b)fluoranthene	17.280	252	324084m	23.78	ng	
88) Benzo(k)fluoranthene	17.303	252	115413m	8.75	ng	
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

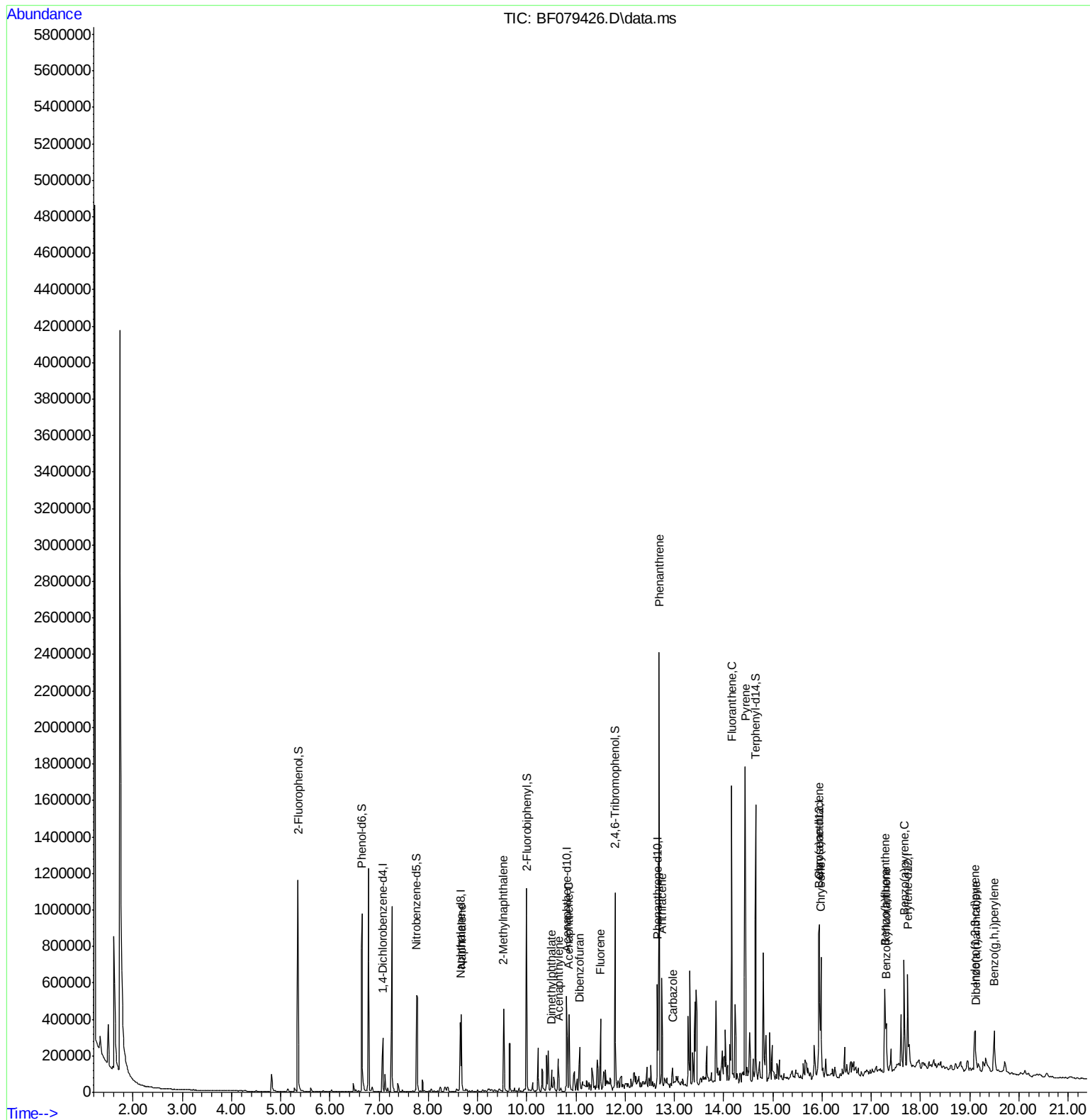
Data Path : Z:\HPCHEM1\BNA_F\Data\BF052115\
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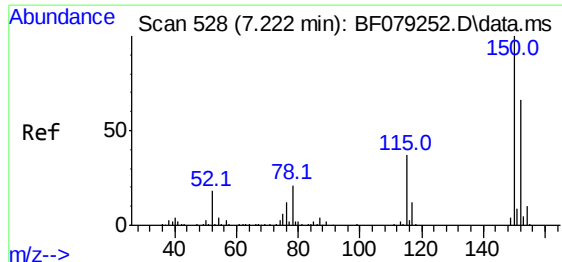
Instrument :
BNA_F
ClientSampled :
SB-29D

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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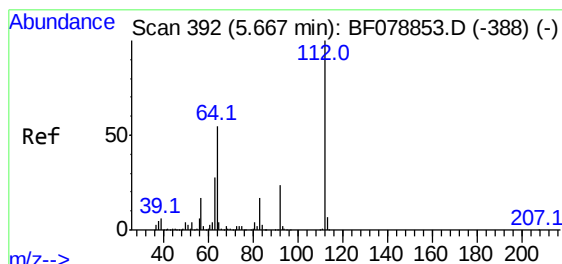
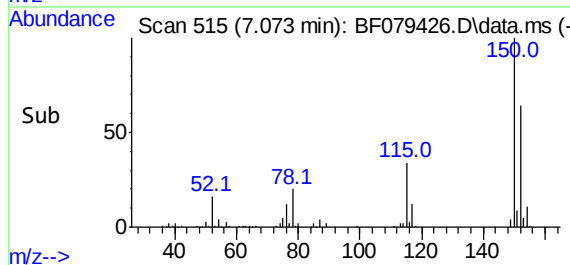
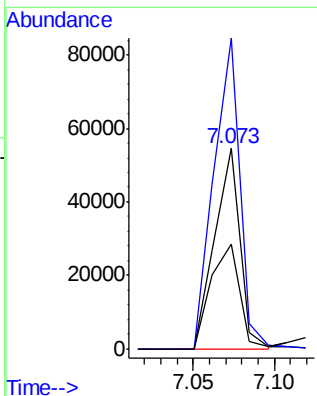
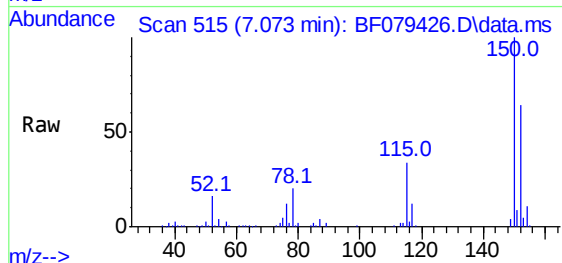




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.073 min Scan# 515
Delta R.T. 0.000 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51

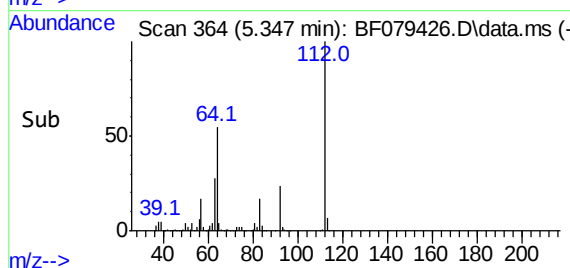
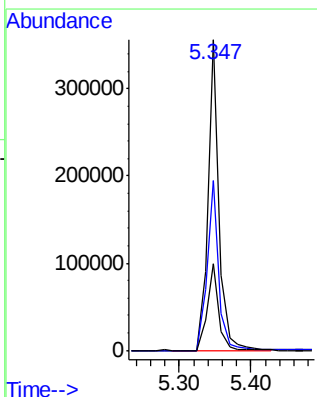
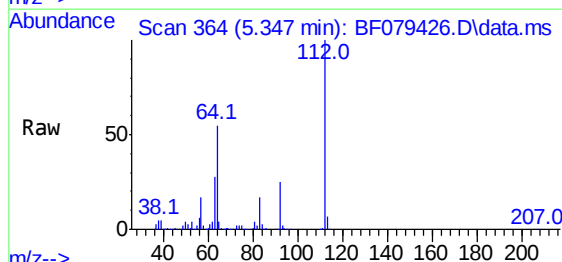
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ClientSampleId :
SB-29D

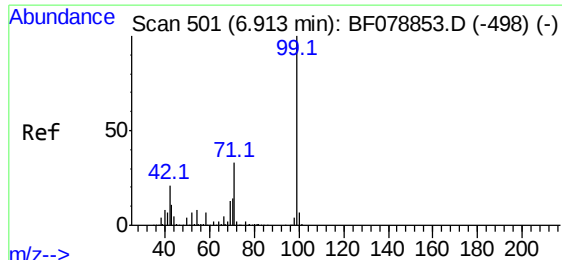
Tgt Ion:152 Resp: 59143
Ion Ratio Lower Upper
152 100
150 155.1 123.8 185.8
115 52.3 49.4 74.0



#5
2-Fluorophenol
Concen: 112.49 ng m
RT: 5.347 min Scan# 364
Delta R.T. 0.000 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51

Tgt Ion:112 Resp: 386502
Ion Ratio Lower Upper
112 100
64 54.8 44.2 66.2
63 27.9 22.7 34.1

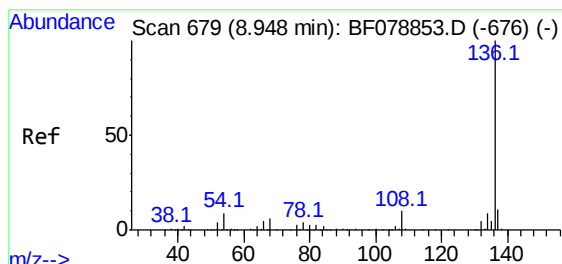
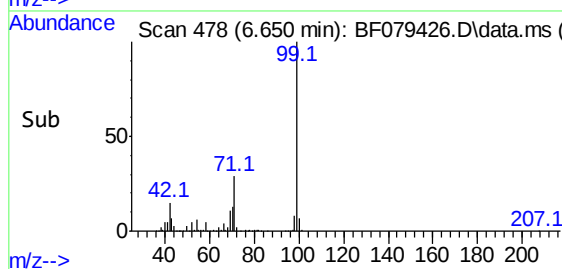
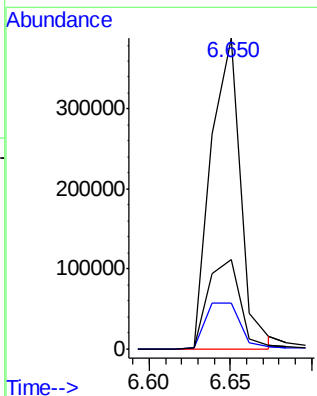
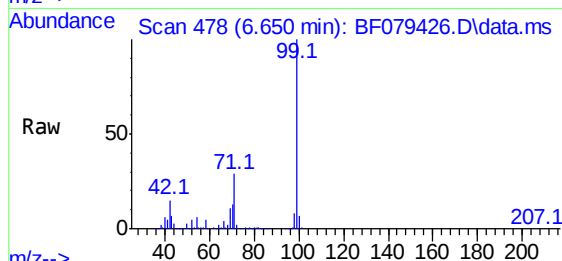




#7
Phenol-d6
Concen: 108.70 ng
RT: 6.650 min Scan# 478
Delta R.T. 0.000 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51

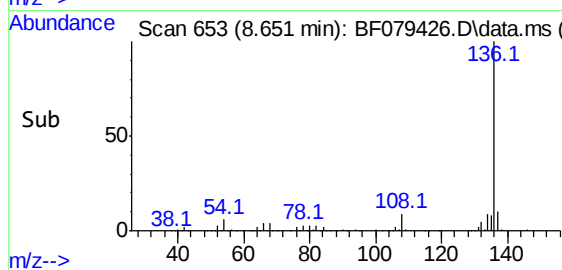
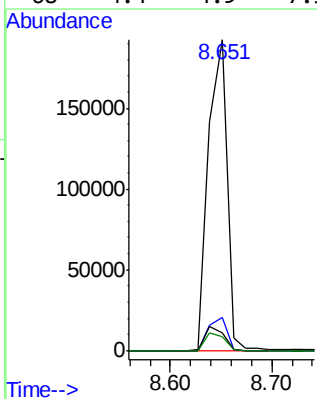
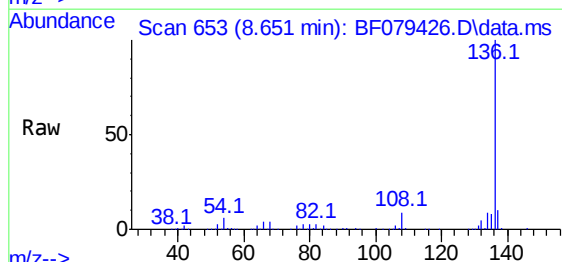
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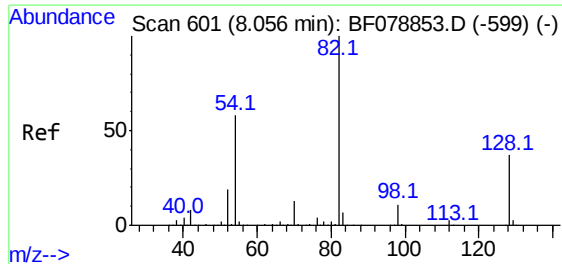
Tgt Ion: 99 Resp: 493648
Ion Ratio Lower Upper
99 100
42 14.6 17.1 25.7#
71 28.8 26.3 39.5



#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

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#





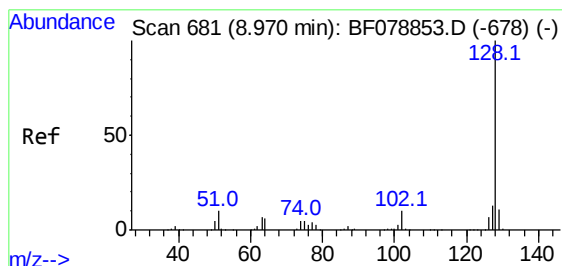
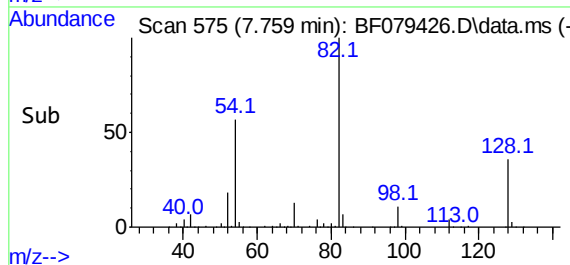
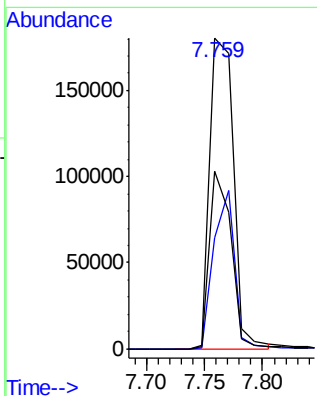
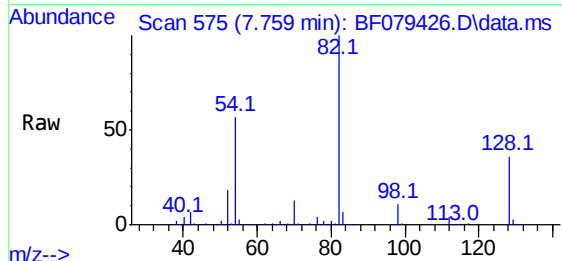
#23
Nitrobenzene-d5
Concen: 61.77 ng
RT: 7.759 min Scan# 575
Delta R.T. -0.011 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51

Instrument :
BNA_F
ClientSampled :
SB-29D

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

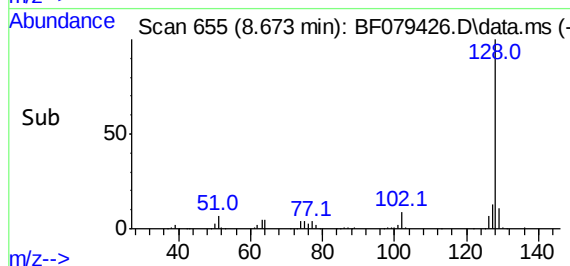
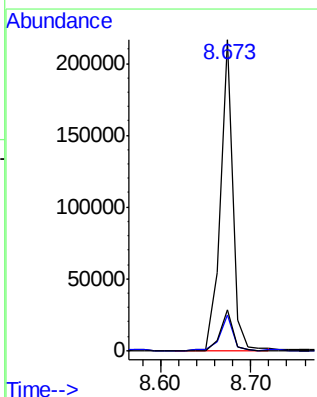
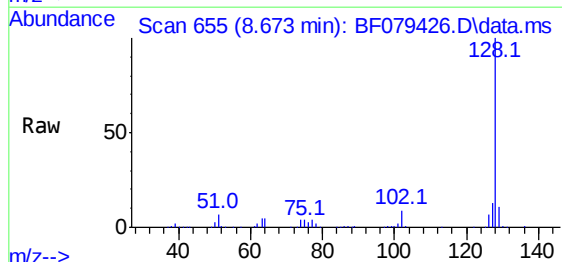
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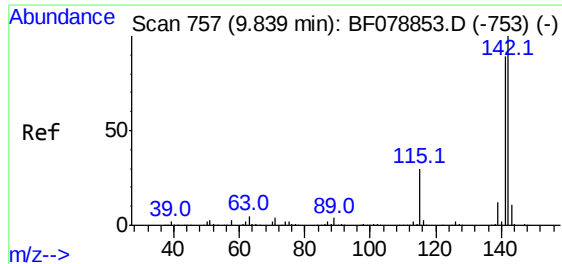
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#31
Naphthalene
Concen: 18.01 ng
RT: 8.673 min Scan# 655
Delta R.T. 0.000 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51

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

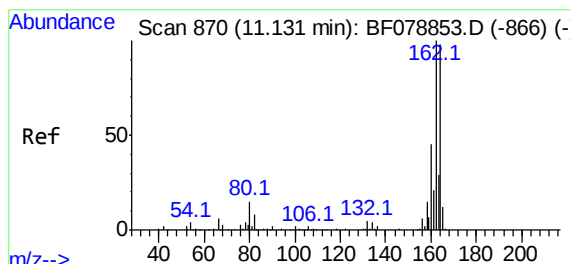
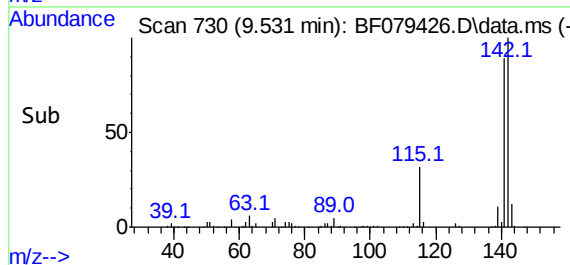
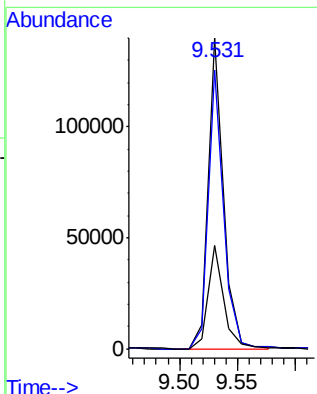
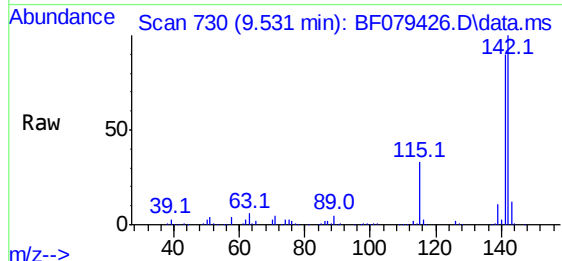




#37
2-Methylnaphthalene
Concen: 16.12 ng
RT: 9.531 min Scan# 730
Delta R.T. 0.000 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51

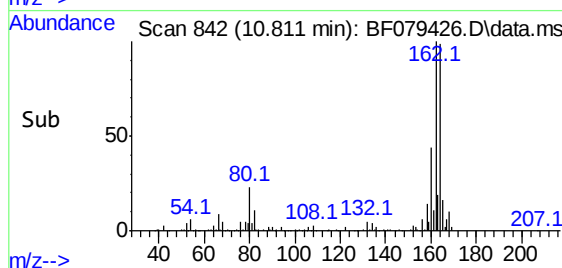
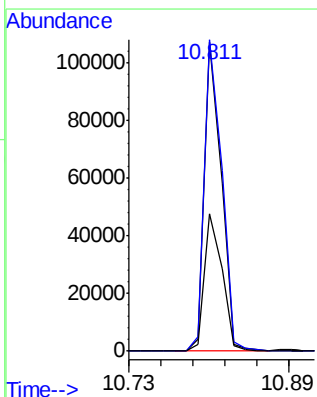
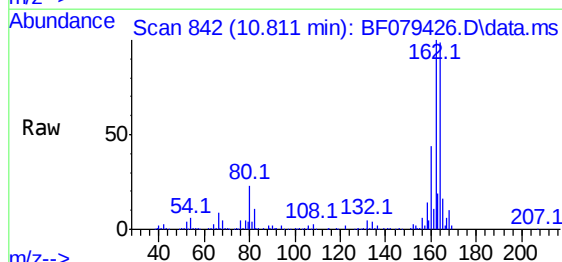
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SB-29D

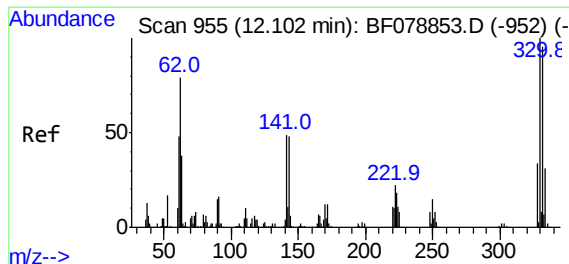
Tgt Ion:142 Resp: 126753
Ion Ratio Lower Upper
142 100
141 89.5 71.6 107.4
115 33.1 24.2 36.4



#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

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

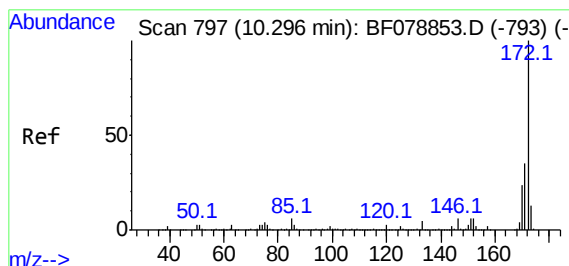
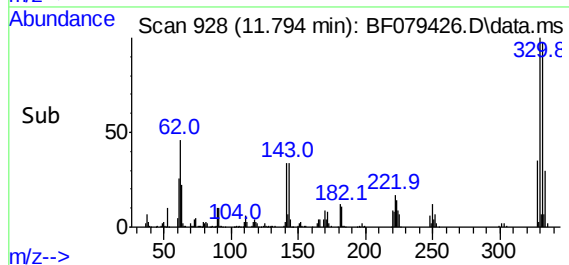
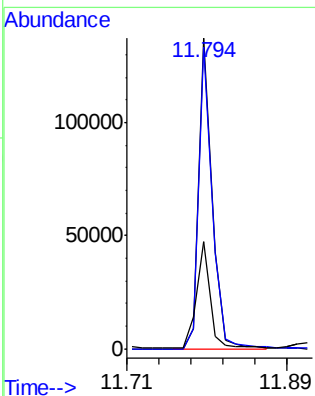
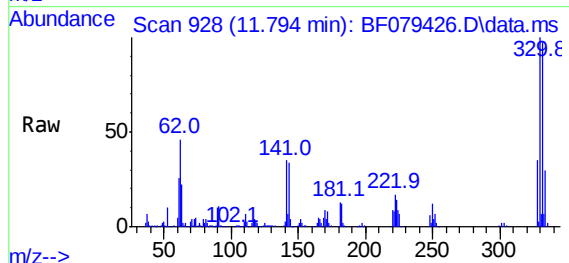




#41
2,4,6-Tribromophenol
Concen: 106.52 ng
RT: 11.794 min Scan# 928
Delta R.T. 0.000 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51

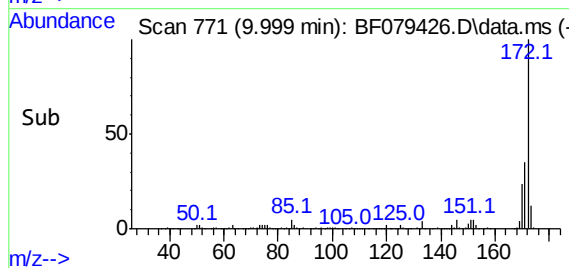
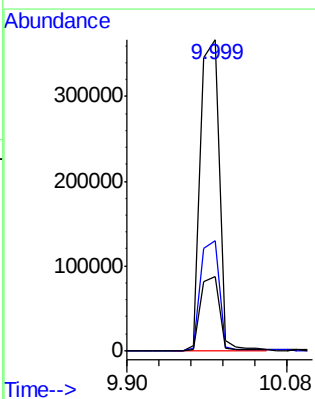
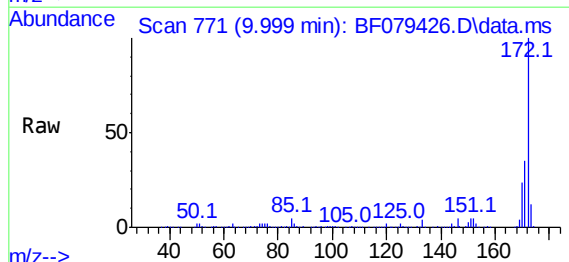
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ClientSampleId :
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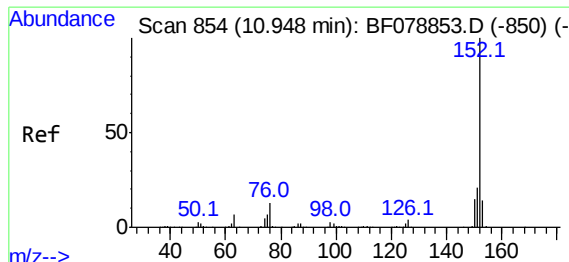
Tgt Ion:330 Resp: 135890
Ion Ratio Lower Upper
330 100
332 97.5 76.9 115.3
141 34.7 27.8 41.8



#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

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

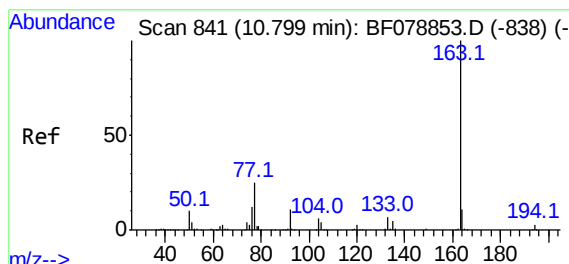
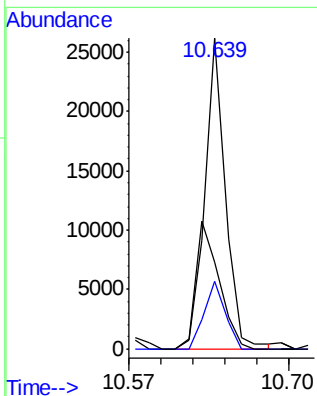
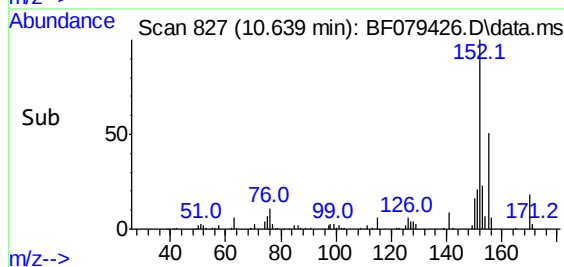
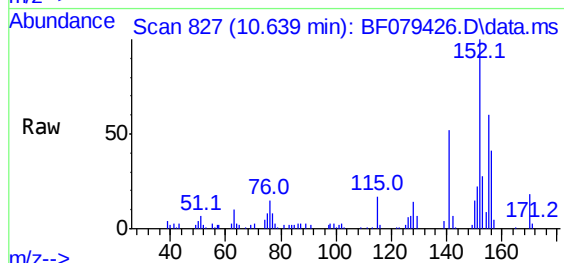




#48
Acenaphthylene
Concen: 2.68 ng
RT: 10.639 min Scan# 827
Delta R.T. 0.000 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51

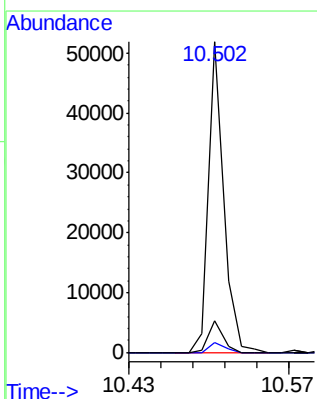
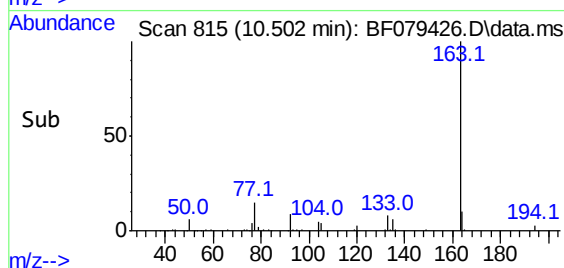
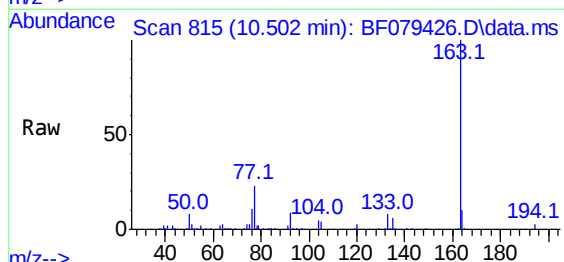
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BNA_F
ClientSampleId :
SB-29D

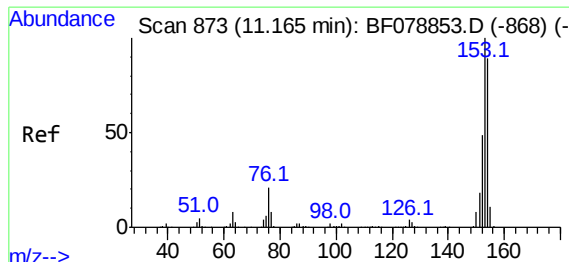
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Ion Ratio Lower Upper
152 100
151 21.9 16.6 24.8
153 27.8 11.0 16.6#



#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

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





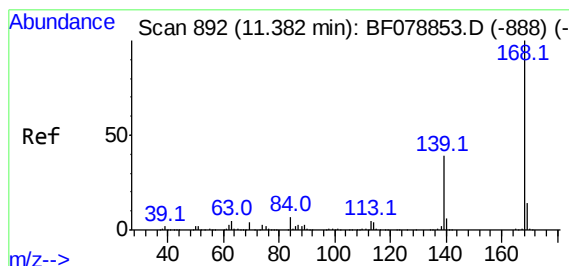
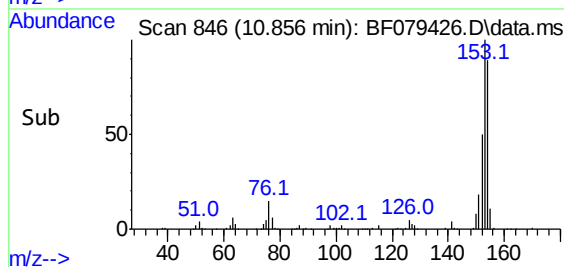
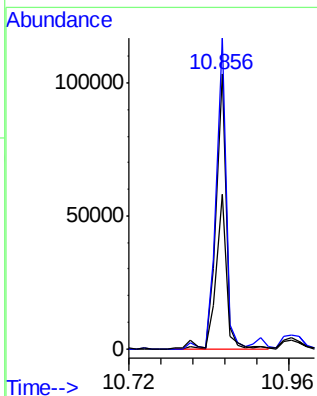
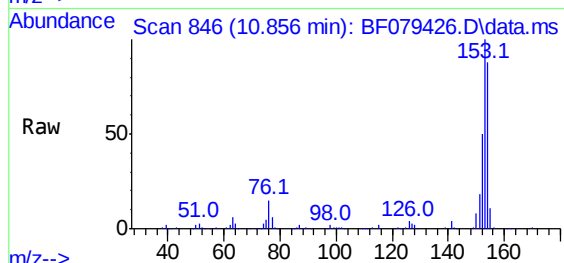
#51
Acenaphthene
Concen: 14.00 ng
RT: 10.856 min Scan# 846
Delta R.T. 0.000 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51

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

Instrument :
BNA_F
ClientSampleId :
SB-29D

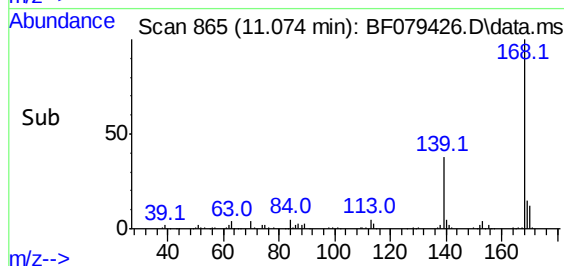
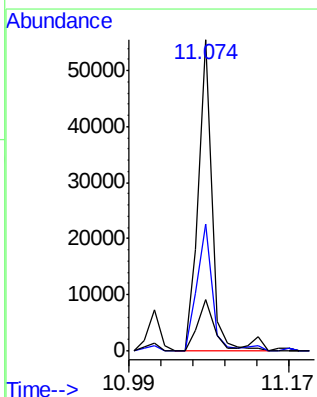
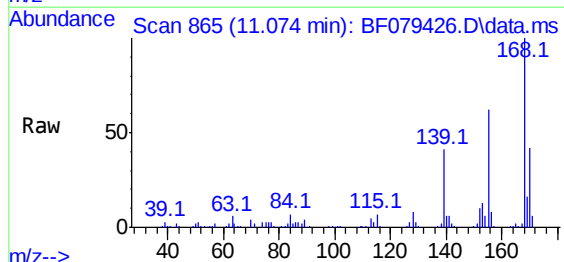
Manual Integrations
APPROVED

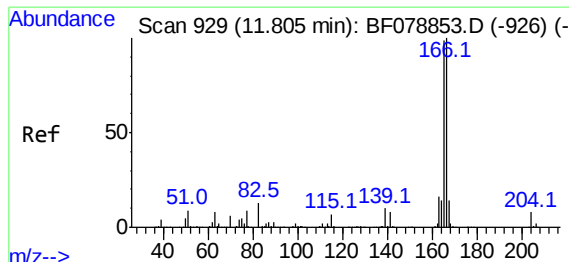
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5/22/2015 4:32:14 PM



#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

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

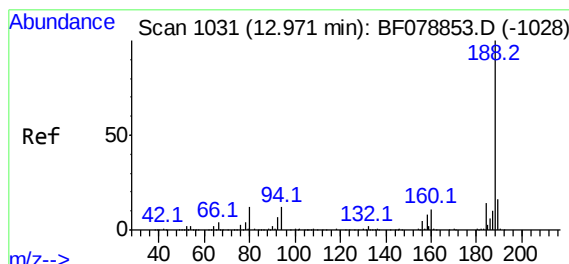
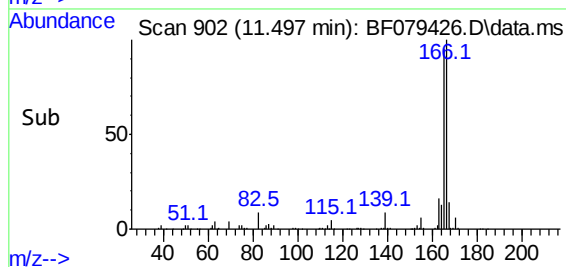
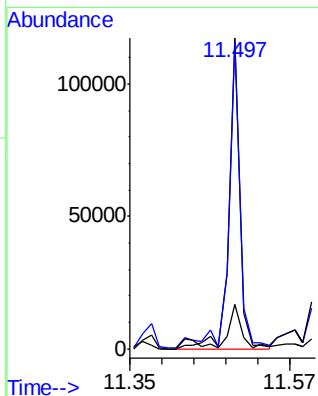
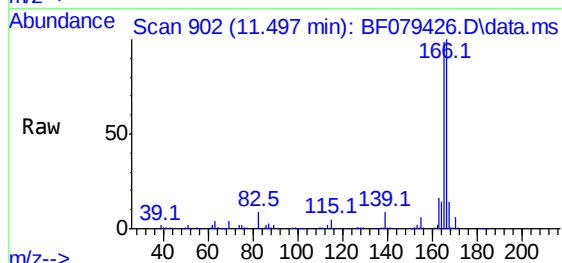




#57
Fluorene
Concen: 14.03 ng
RT: 11.497 min Scan# 902
Delta R.T. 0.000 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51

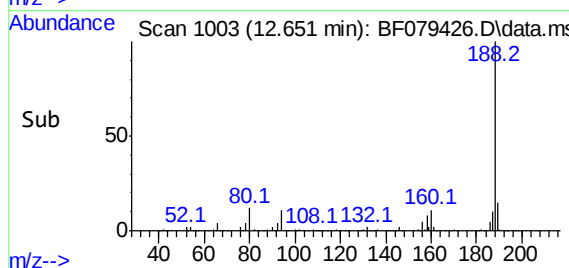
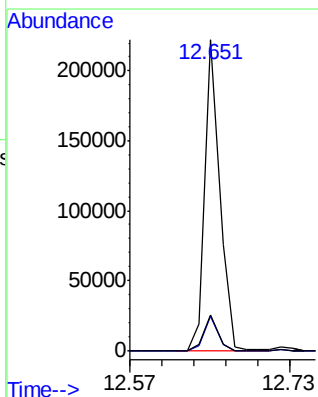
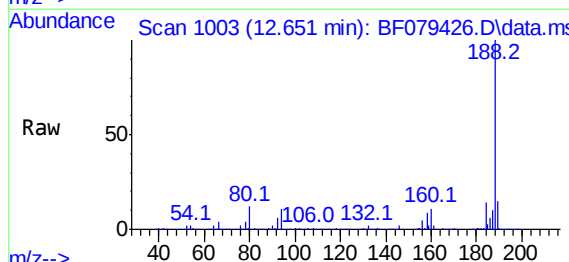
Instrument :
BNA_F
ClientSampleId :
SB-29D

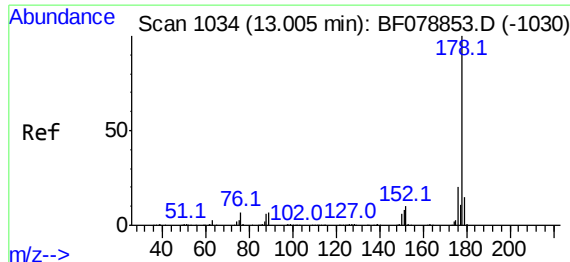
Tgt Ion:166 Resp: 119122
Ion Ratio Lower Upper
166 100
165 98.8 79.5 119.3
167 14.2 11.0 16.6



#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

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

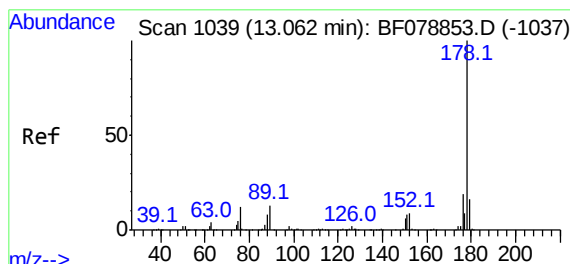
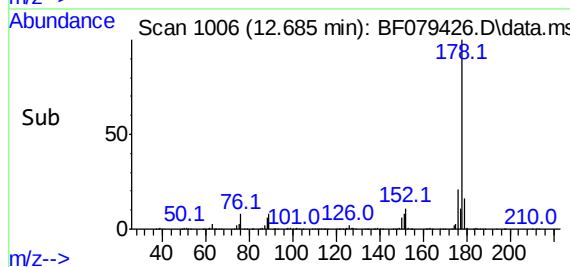
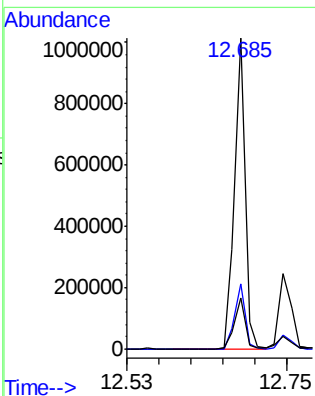
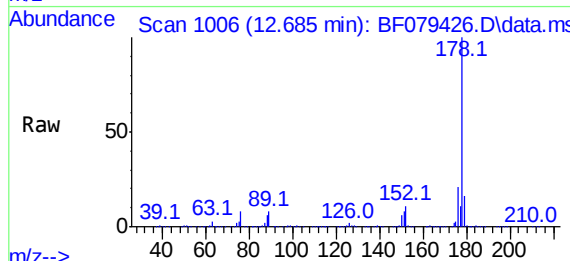




#70
Phenanthrene
Concen: 80.08 ng
RT: 12.685 min Scan# 1006
Delta R.T. 0.000 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51

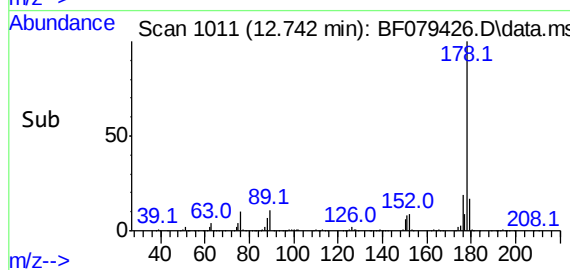
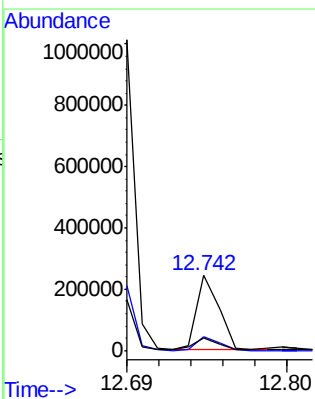
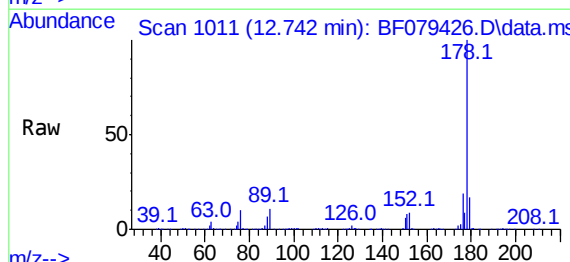
Instrument :
BNA_F
ClientSampleId :
SB-29D

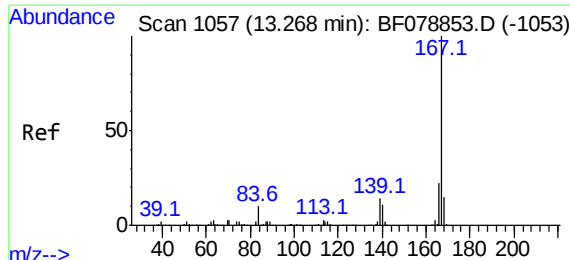
Tgt Ion:178 Resp: 984233
Ion Ratio Lower Upper
178 100
176 20.8 15.9 23.9
179 16.3 12.2 18.4



#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

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



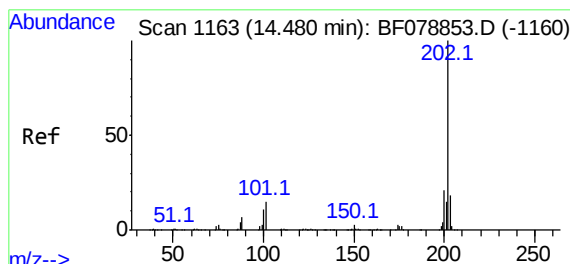
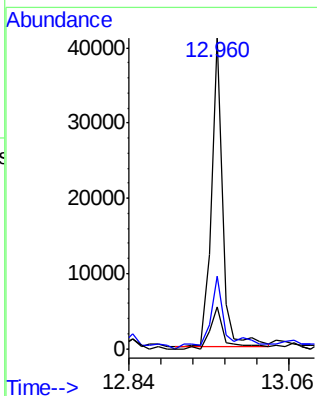
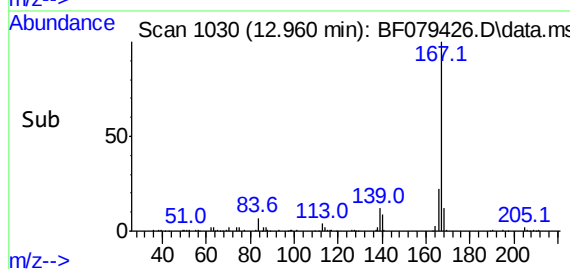
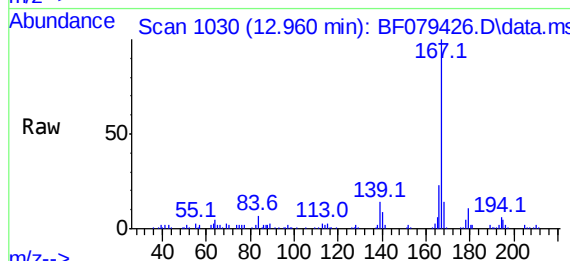


#72
 Carbazole
 Concen: 3.76 ng
 RT: 12.960 min Scan# 1030
 Delta R.T. 0.000 min
 Lab File: BF079426.D
 Acq: 22 May 2015 7:51

Instrument :
 BNA_F
 ClientSampleID :
 SB-29D

Tgt Ion:167 Resp: 43212

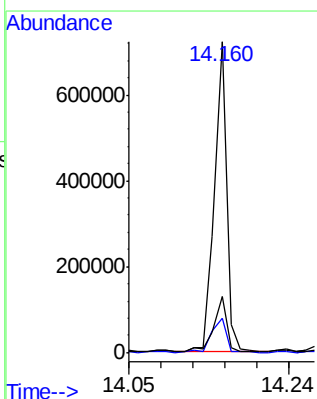
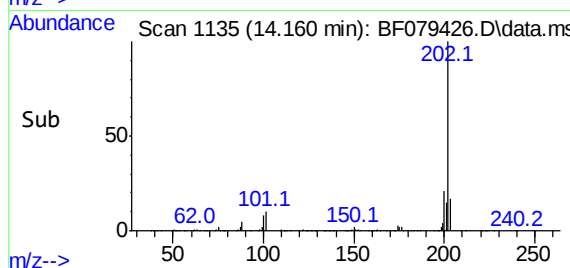
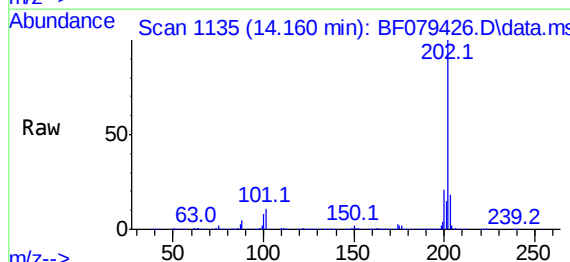
Ion	Ratio	Lower	Upper
167	100		
166	23.4	17.5	26.3
139	13.7	11.0	16.4

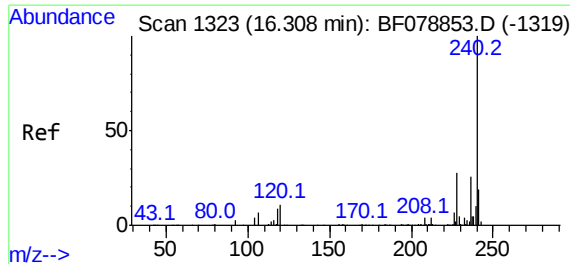


#74
 Fluoranthene
 Concen: 58.11 ng
 RT: 14.160 min Scan# 1135
 Delta R.T. 0.000 min
 Lab File: BF079426.D
 Acq: 22 May 2015 7:51

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

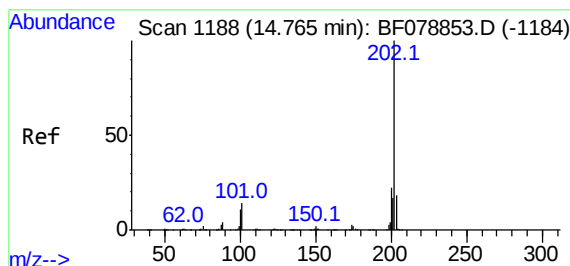
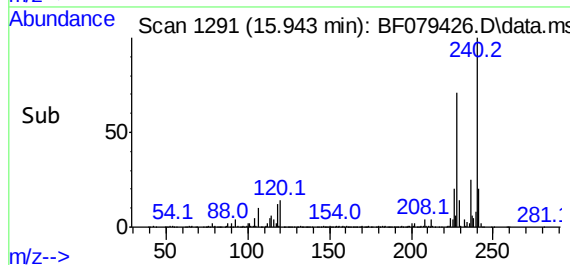
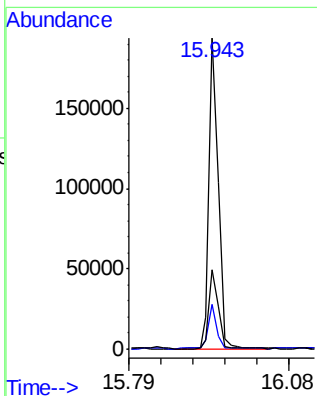
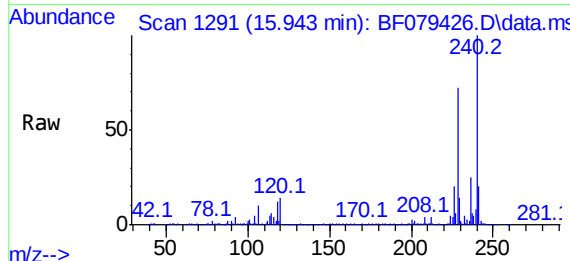




#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.943 min Scan# 1291
Delta R.T. 0.012 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51

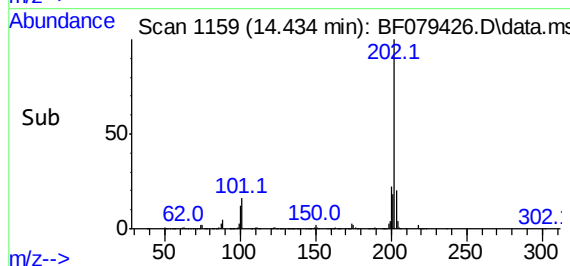
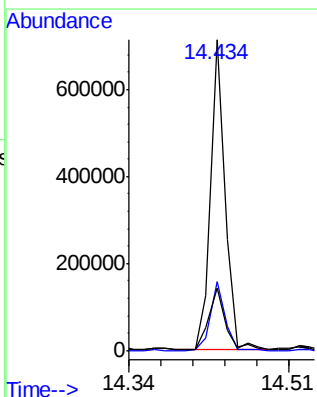
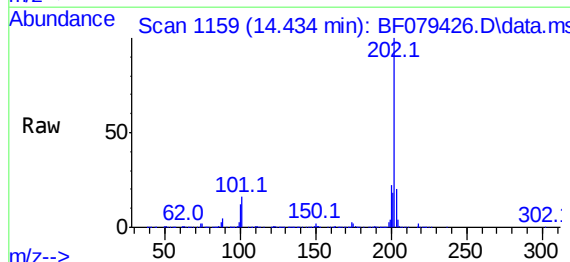
Instrument :
BNA_F
ClientSampleID :
SB-29D

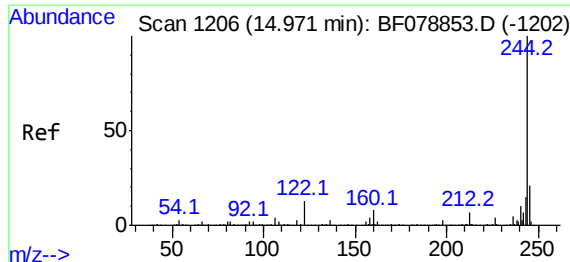
Tgt Ion:240 Resp: 226176
Ion Ratio Lower Upper
240 100
120 14.2 8.6 12.8#
236 25.3 21.0 31.6



#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

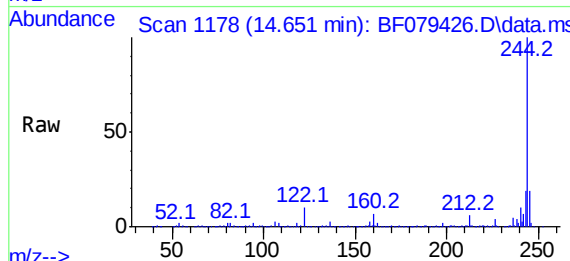
Tgt Ion:202 Resp: 765497
Ion Ratio Lower Upper
202 100
200 22.0 17.5 26.3
203 20.2 14.7 22.1



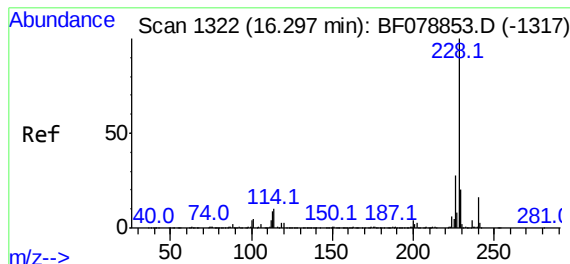
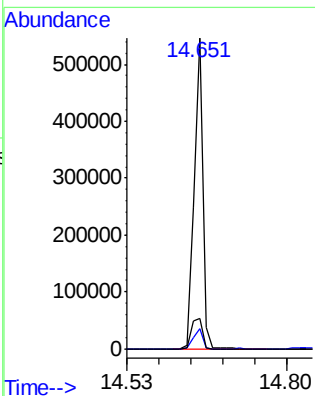
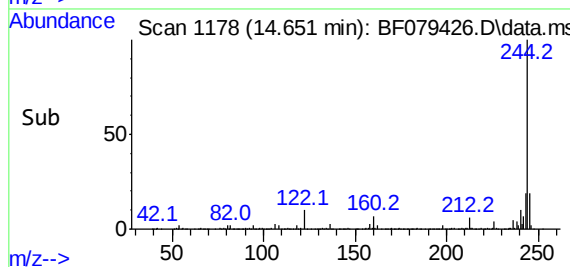


#78
Terphenyl-d14
Concen: 61.51 ng
RT: 14.651 min Scan# 1178
Delta R.T. 0.000 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51

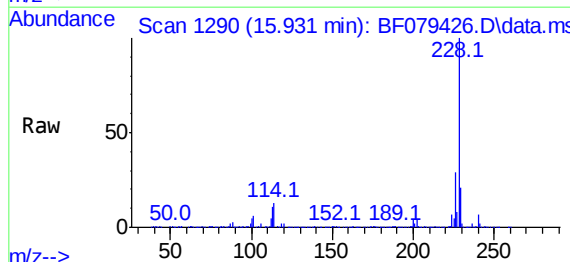
Instrument :
BNA_F
ClientSampleId :
SB-29D



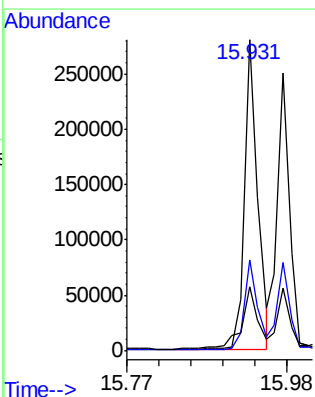
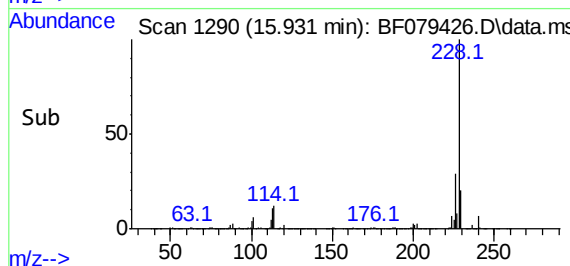
Tgt Ion:244 Resp: 581084
Ion Ratio Lower Upper
244 100
212 6.3 5.6 8.4
122 9.7 10.5 15.7#

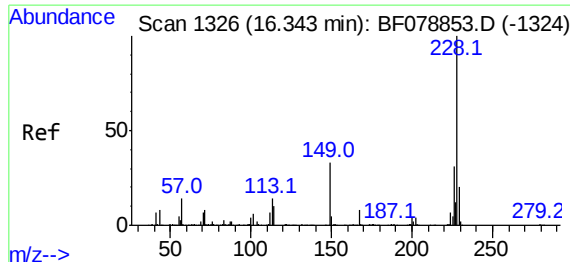


#80
Benzo(a)anthracene
Concen: 28.05 ng
RT: 15.931 min Scan# 1290
Delta R.T. 0.012 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51



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

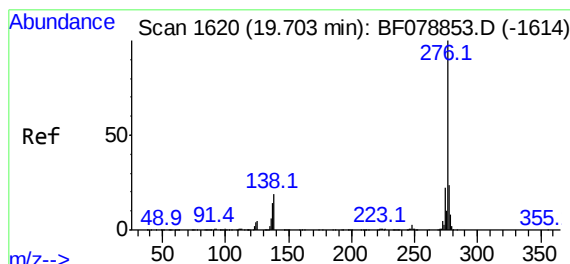
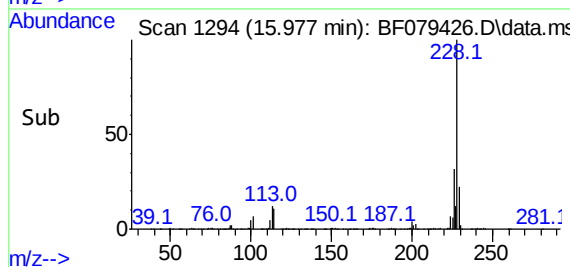
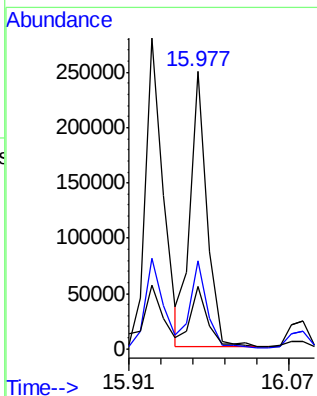
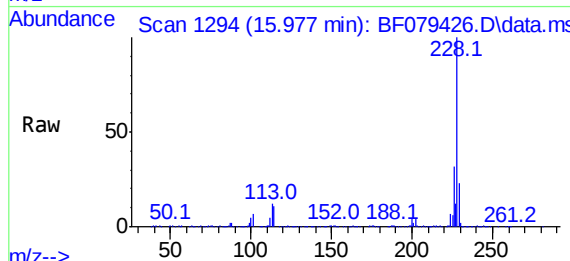




#82
Chrysene
Concen: 23.78 ng
RT: 15.977 min Scan# 1294
Delta R.T. 0.012 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51

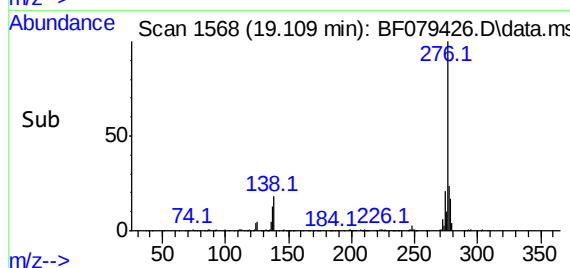
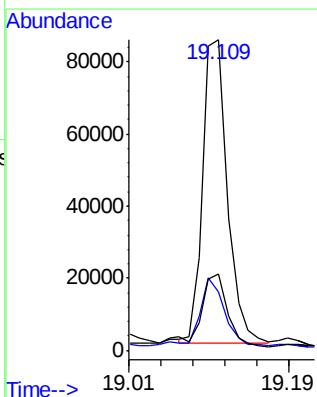
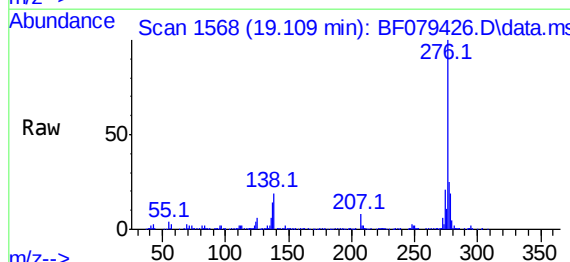
Instrument :
BNA_F
ClientSampleId :
SB-29D

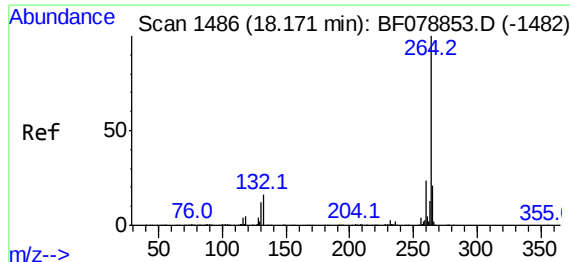
Tgt Ion:228 Resp: 283338
Ion Ratio Lower Upper
228 100
226 31.7 24.8 37.2
229 22.7 16.1 24.1



#85
Indeno(1,2,3-cd)pyrene
Concen: 10.92 ng m
RT: 19.109 min Scan# 1568
Delta R.T. 0.160 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51

Tgt Ion:276 Resp: 165810
Ion Ratio Lower Upper
276 100
138 4.1 21.1 31.7#
277 4.6 19.9 29.9#





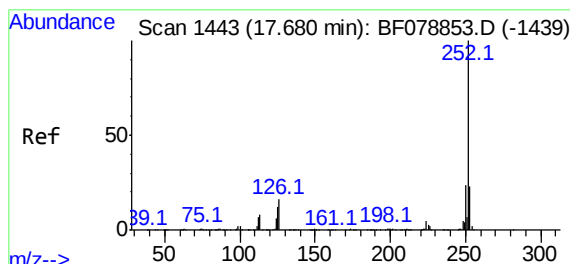
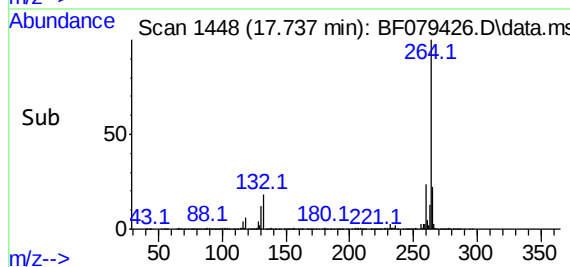
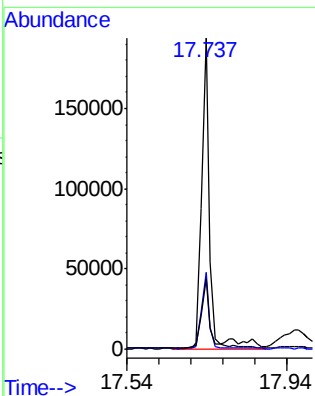
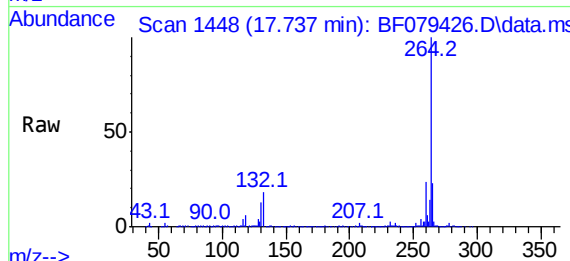
#86
Perylene-d12
Concen: 20.00 ng
RT: 17.737 min Scan# 1448
Delta R.T. 0.114 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51

Instrument :
BNA_F
ClientSampled :
SB-29D

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

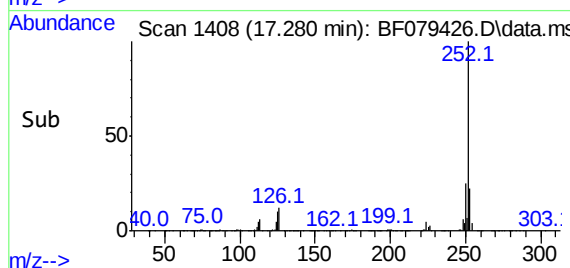
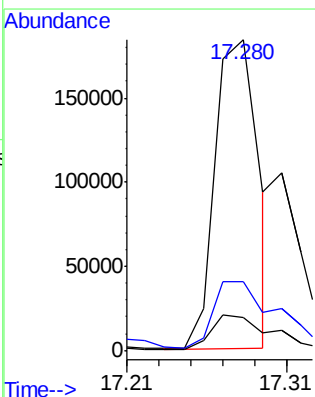
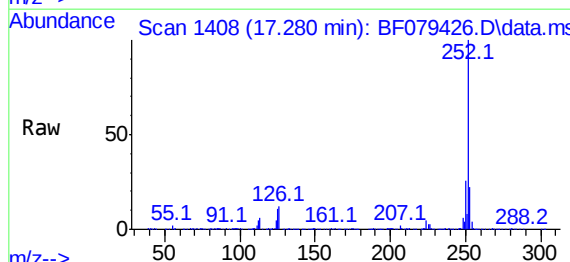
Manual Integrations
APPROVED

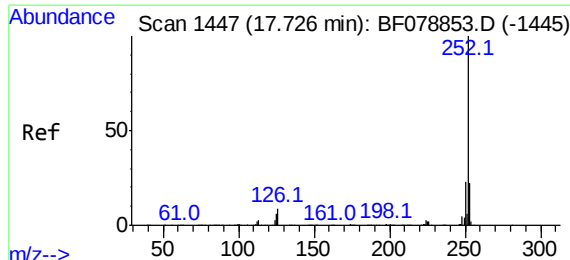
apatel
5/22/2015 4:32:14 PM



#87
Benzo(b)fluoranthene
Concen: 23.78 ng m
RT: 17.280 min Scan# 1408
Delta R.T. 0.092 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51

Tgt Ion:252 Resp: 324084
Ion Ratio Lower Upper
252 100
253 22.3 18.1 27.1
125 10.8 9.4 14.2





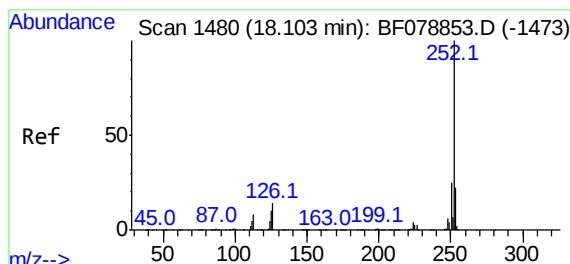
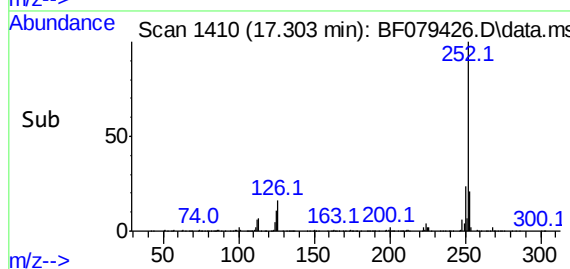
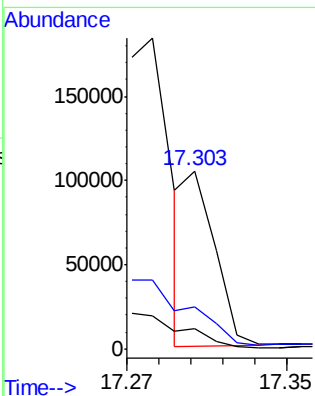
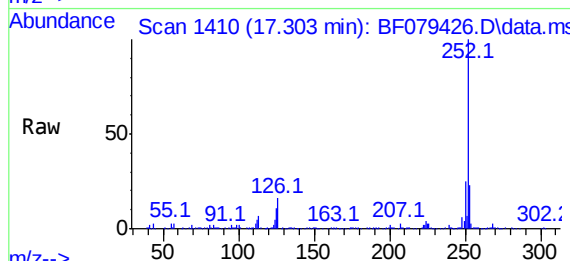
#88
Benzo(k)fluoranthene
Concen: 8.75 ng m
RT: 17.303 min Scan# 1410
Delta R.T. 0.080 min
Lab File: BF079426.D
Acq: 22 May 2015 7:51

Instrument :
BNA_F
ClientSampled :
SB-29D

Tgt Ion:252 Resp: 115413
Ion Ratio Lower Upper
252 100
253 23.4 17.4 26.0
125 11.3 6.1 9.1#

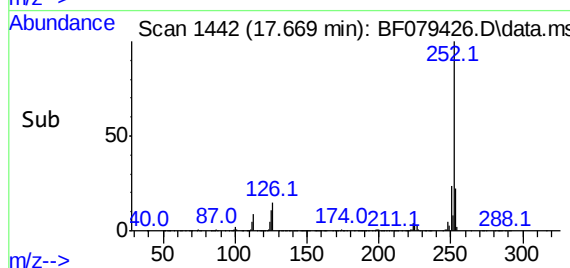
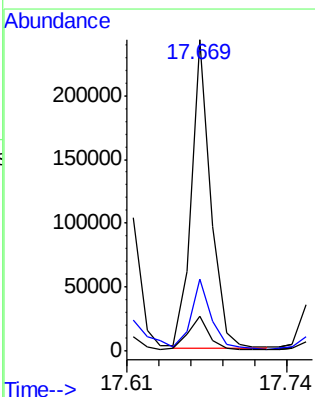
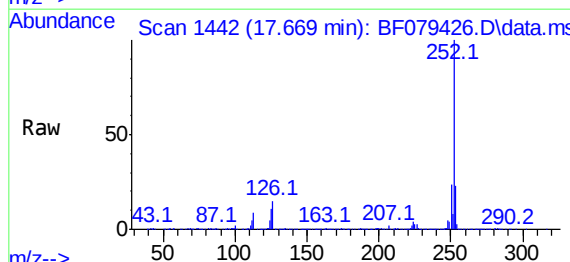
Manual Integrations
APPROVED

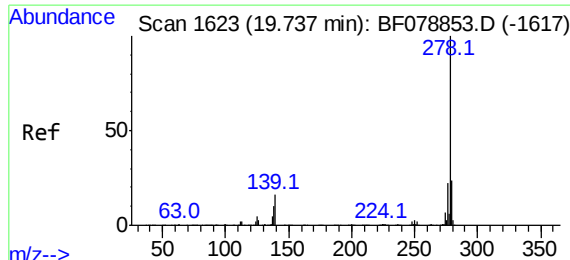
apatel
5/22/2015 4:32:14 PM



#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

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

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#

Instrument :

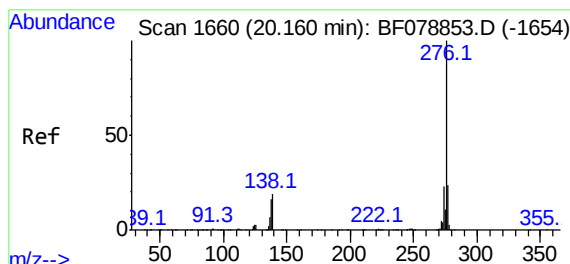
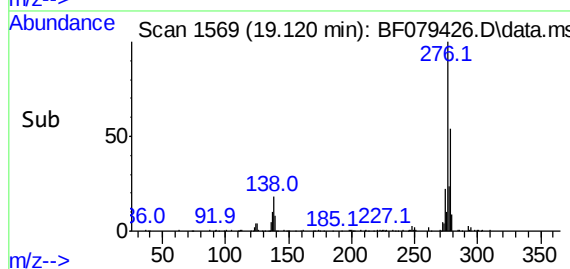
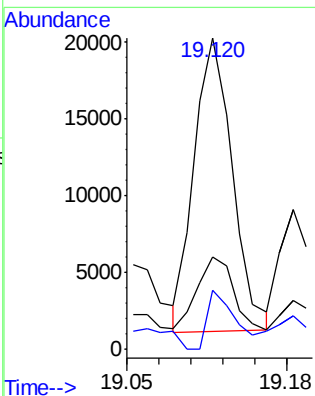
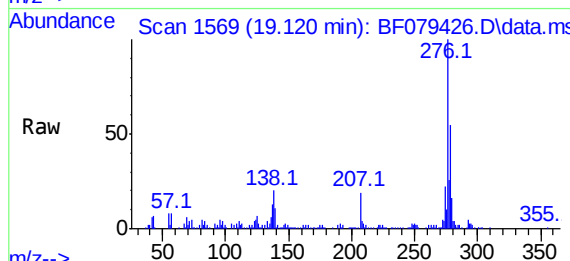
BNA_F

ClientSampled :

SB-29D

Manual Integrations
APPROVED

apatel
5/22/2015 4:32:14 PM



#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

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#

