

Data Path : Z:\HPCHEM1\BNA_F\Data\BF052115\
 Data File : BF079428.D
 Acq On : 22 May 2015 8:48
 Operator : TP/IZ
 Sample : G2299-01RE
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LS-SB04A(2.5-3.0)RE

Manual Integrations
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Quant Time: May 22 12:38:09 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	74701m	20.00	ng	-0.06
21) Naphthalene-d8	8.651	136	297415m	20.00	ng	-0.06
38) Acenaphthene-d10	10.811	164	147607	20.00	ng	-0.07
63) Phenanthrene-d10	12.651	188	286755	20.00	ng	-0.07
75) Chrysene-d12	15.954	240	300475	20.00	ng	-0.07
86) Perylene-d12	17.760	264	322293	20.00	ng	-0.06
System Monitoring Compounds						
5) 2-Fluorophenol	5.347	112	210204m	48.44	ng	-0.07
7) Phenol-d6	6.650	99	283613m	49.44	ng	-0.06
23) Nitrobenzene-d5	7.759	82	150982m	29.18	ng	-0.07
41) 2,4,6-Tribromophenol	11.794	330	78706	49.29	ng	-0.07
44) 2-Fluorobiphenyl	9.988	172	322839	30.47	ng	-0.07
78) Terphenyl-d14	14.651	244	380959	30.35	ng	-0.07
Target Compounds						Qvalue
31) Naphthalene	8.673	128	30501m	2.15	ng	
48) Acenaphthylene	10.639	152	47702	3.17	ng	99
51) Acenaphthene	10.856	154	23380	2.61	ng	98
54) Dibenzofuran	11.074	168	26213	2.02	ng	97
57) Fluorene	11.497	166	29116	2.74	ng	99
70) Phenanthrene	12.685	178	481766	30.03	ng	100
71) Anthracene	12.742	178	147201	9.35	ng	98
72) Carbazole	12.960	167	45148	3.01	ng	95
74) Fluoranthene	14.160	202	660215	39.50	ng	95
77) Pyrene	14.434	202	610371	35.25	ng	98
80) Benzo(a)anthracene	15.943	228	382461	23.24	ng	96
82) Chrysene	15.988	228	294209	18.59	ng	97
85) Indeno(1,2,3-cd)pyrene	19.132	276	310578	15.40	ng	95
87) Benzo(b)fluoranthene	17.291	252	494794m	28.05	ng	
88) Benzo(k)fluoranthene	17.326	252	173363m	10.15	ng	
89) Benzo(a)pyrene	17.691	252	394912	24.31	ng	# 94
90) Dibenzo(a,h)anthracene	19.154	278	69284	4.01	ng	# 84
91) Benzo(g,h,i)perylene	19.532	276	289648	16.74	ng	97

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

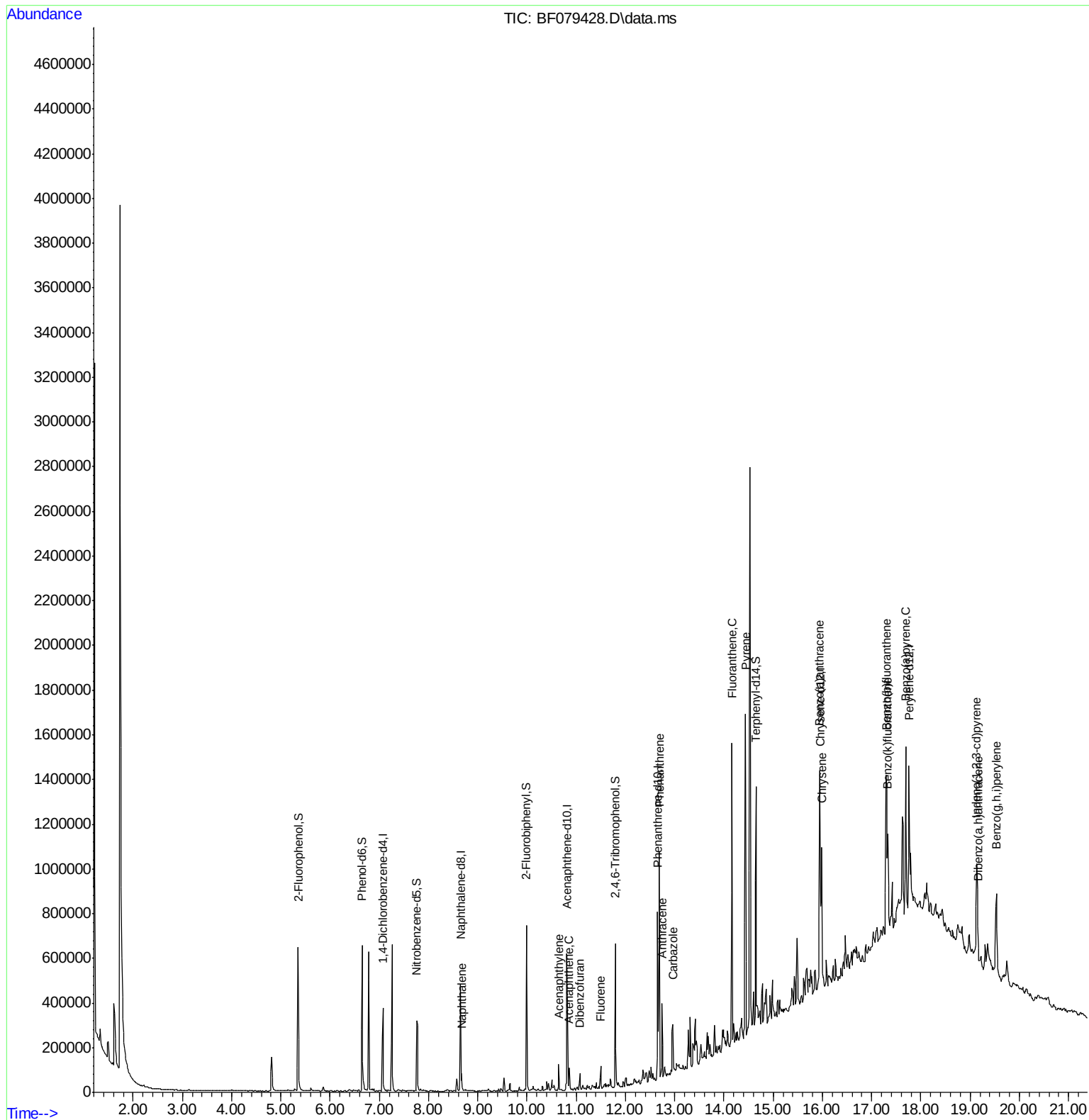
Data Path : Z:\HPCHEM1\BNA_F\Data\BF052115\
Data File : BF079428.D
Acq On : 22 May 2015 8:48
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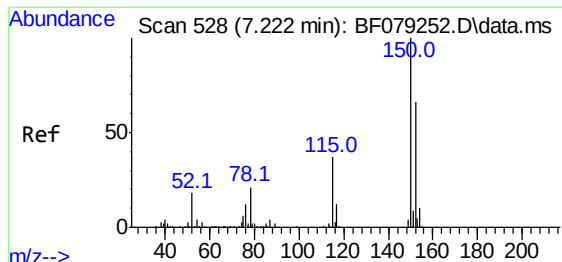
Instrument :
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LS-SB04A(2.5-3.0)RE

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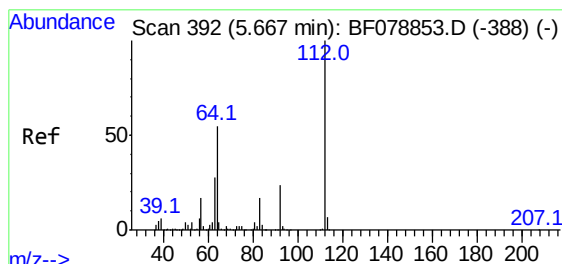
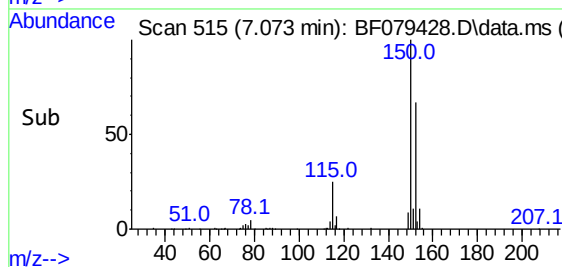
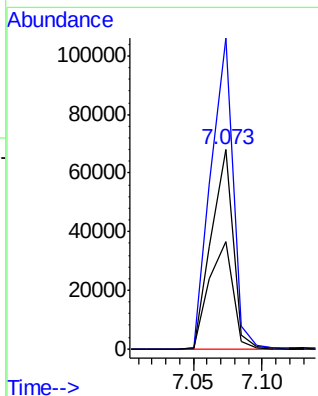
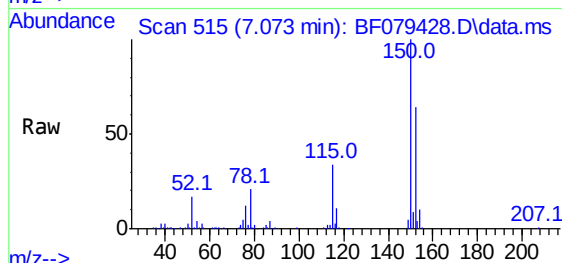




#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng m
RT: 7.073 min Scan# 515
Delta R.T. -0.057 min
Lab File: BF079428.D
Acq: 22 May 2015 8:48

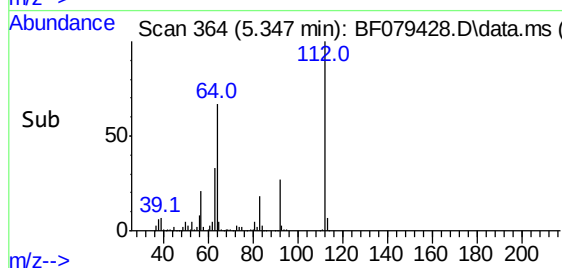
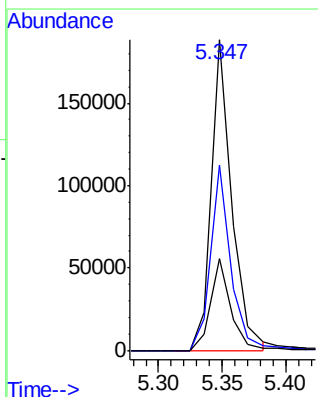
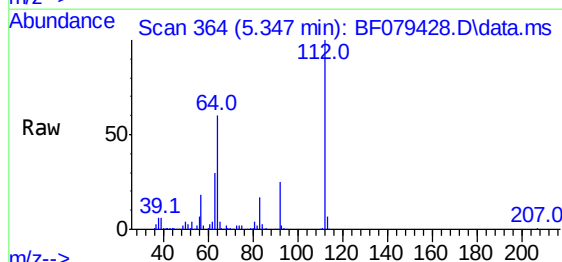
Instrument :
BNA_F
ClientSampleId :
LS-SB04A(2.5-3.0)RE

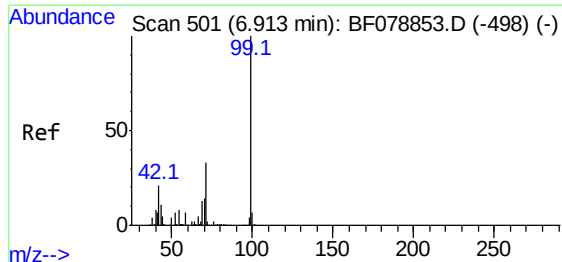
Tgt Ion:152 Resp: 74701
Ion Ratio Lower Upper
152 100
150 156.1 123.8 185.8
115 53.7 49.4 74.0



#5
2-Fluorophenol
Concen: 48.44 ng m
RT: 5.347 min Scan# 364
Delta R.T. -0.068 min
Lab File: BF079428.D
Acq: 22 May 2015 8:48

Tgt Ion:112 Resp: 210204
Ion Ratio Lower Upper
112 100
64 59.7 44.2 66.2
63 29.6 22.7 34.1





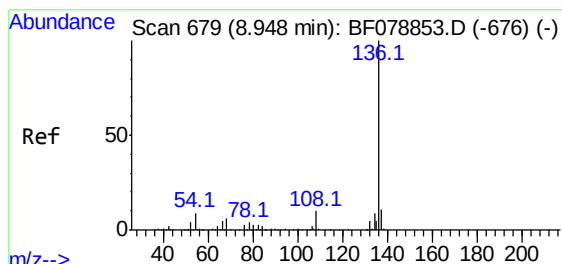
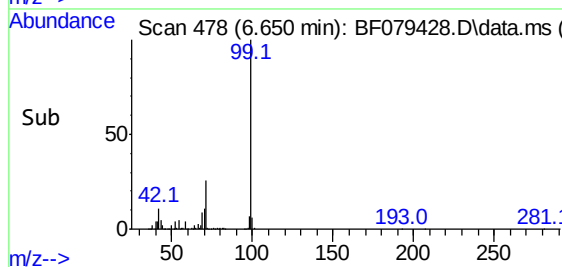
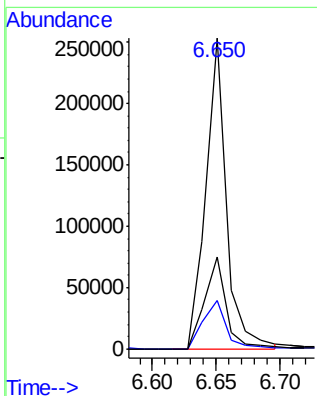
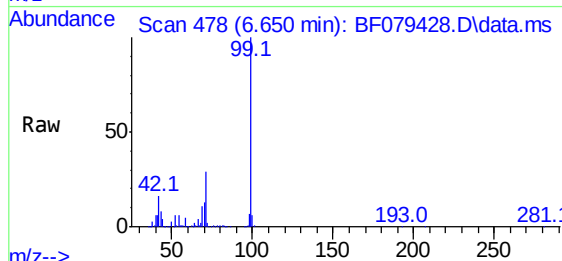
#7
Phenol-d6
Concen: 49.44 ng m
RT: 6.650 min Scan# 478
Delta R.T. -0.057 min
Lab File: BF079428.D
Acq: 22 May 2015 8:48

Tgt Ion: 99 Resp: 283613
Ion Ratio Lower Upper
99 100
42 15.7 17.1 25.7#
71 29.4 26.3 39.5

Instrument :
BNA_F
ClientSampleId :
LS-SB04A(2.5-3.0)RE

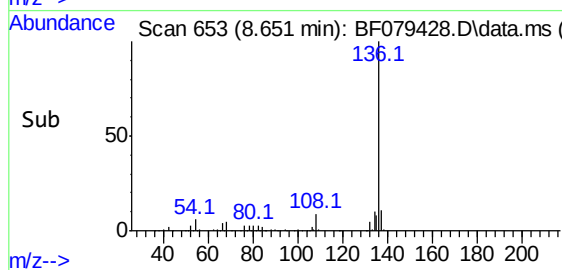
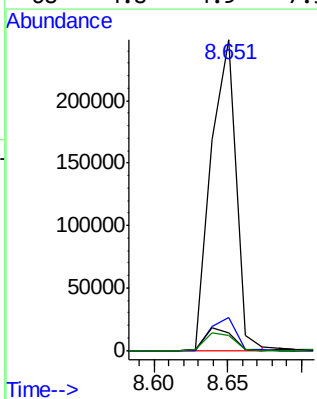
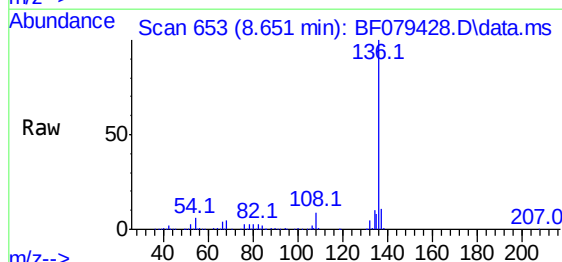
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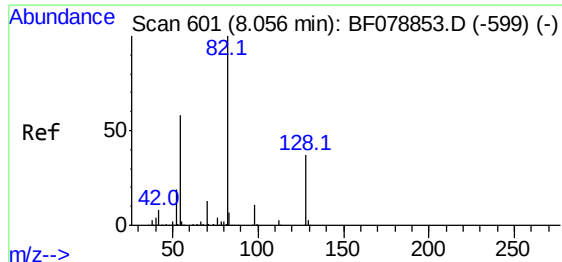
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#21
Naphthalene-d8
Concen: 20.00 ng m
RT: 8.651 min Scan# 653
Delta R.T. -0.057 min
Lab File: BF079428.D
Acq: 22 May 2015 8:48

Tgt Ion:136 Resp: 297415
Ion Ratio Lower Upper
136 100
137 10.5 8.8 13.2
54 5.8 6.9 10.3#
68 4.8 4.9 7.3#





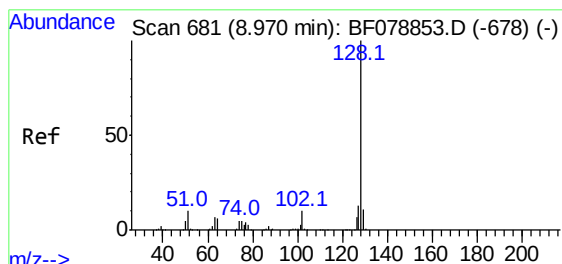
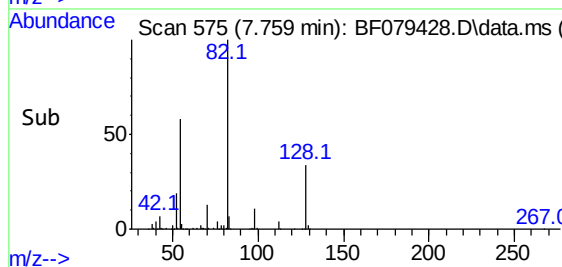
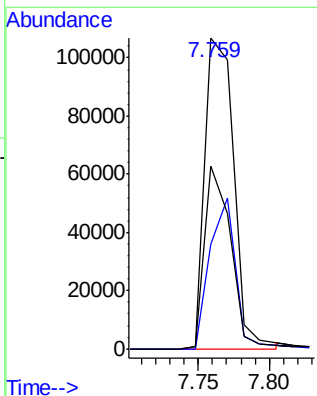
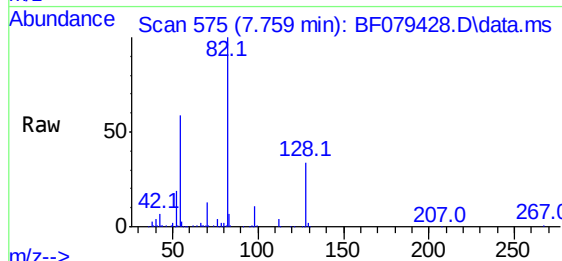
#23
Nitrobenzene-d5
Concen: 29.18 ng m
RT: 7.759 min Scan# 575
Delta R.T. -0.068 min
Lab File: BF079428.D
Acq: 22 May 2015 8:48

Tgt Ion: 82 Resp: 150982
Ion Ratio Lower Upper
82 100
128 33.8 29.7 44.5
54 58.6 46.2 69.4

Instrument :
BNA_F
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LS-SB04A(2.5-3.0)RE

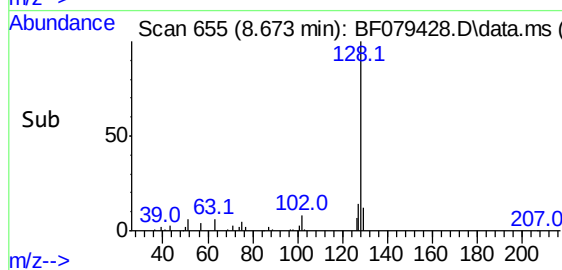
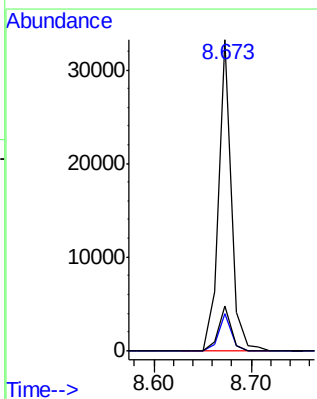
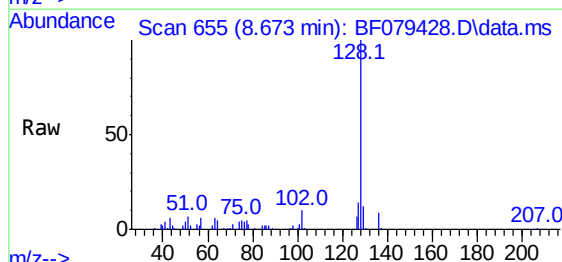
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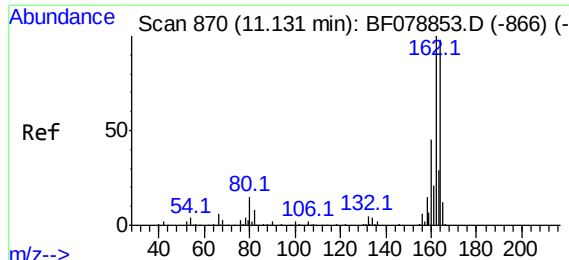
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#31
Naphthalene
Concen: 2.15 ng m
RT: 8.673 min Scan# 655
Delta R.T. -0.057 min
Lab File: BF079428.D
Acq: 22 May 2015 8:48

Tgt Ion:128 Resp: 30501
Ion Ratio Lower Upper
128 100
129 11.9 9.2 13.8
127 14.2 10.3 15.5





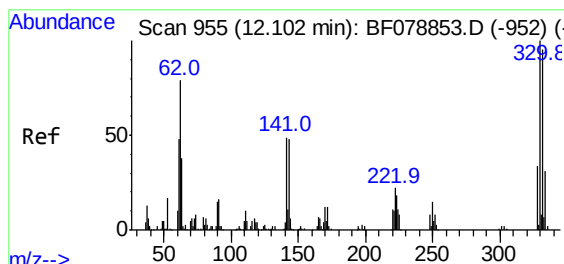
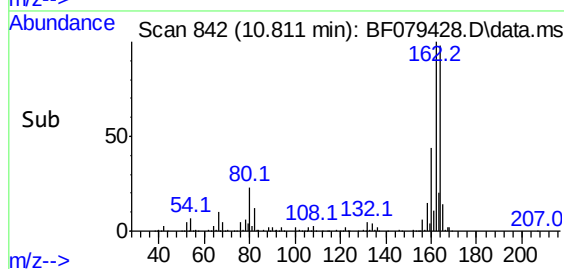
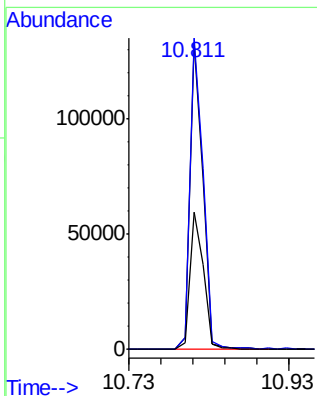
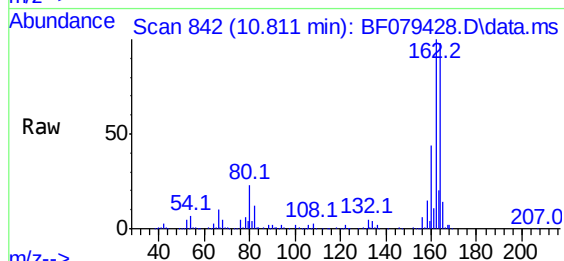
#38
Acenaphthene-d10
Concen: 20.00 ng
RT: 10.811 min Scan# 842
Delta R.T. -0.068 min
Lab File: BF079428.D
Acq: 22 May 2015 8:48

Instrument :
BNA_F
ClientSampleId :
LS-SB04A(2.5-3.0)RE

Tgt Ion:164 Resp: 147607
Ion Ratio Lower Upper
164 100
162 101.6 81.4 122.0
160 44.8 36.6 54.8

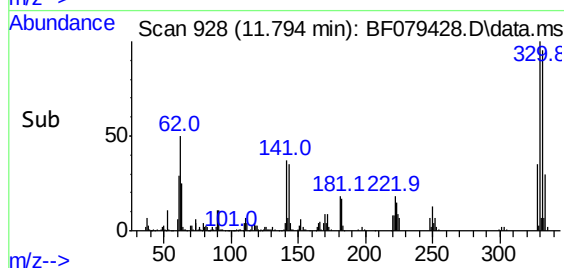
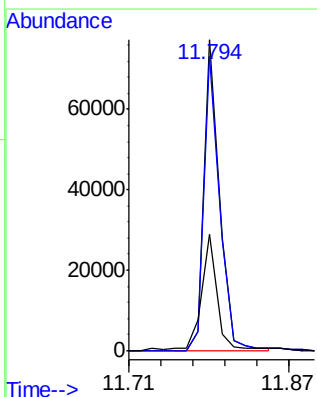
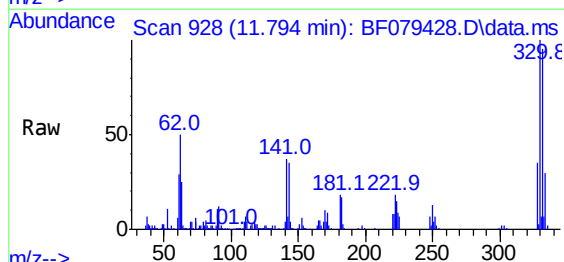
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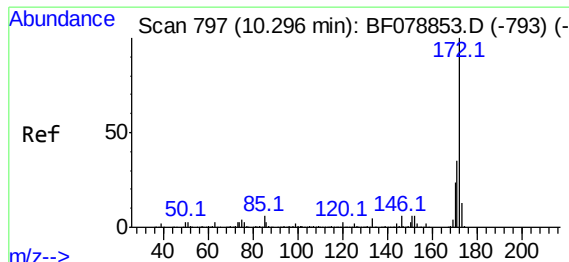
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#41
2,4,6-Tribromophenol
Concen: 49.29 ng
RT: 11.794 min Scan# 928
Delta R.T. -0.068 min
Lab File: BF079428.D
Acq: 22 May 2015 8:48

Tgt Ion:330 Resp: 78706
Ion Ratio Lower Upper
330 100
332 96.1 76.9 115.3
141 39.3 27.8 41.8





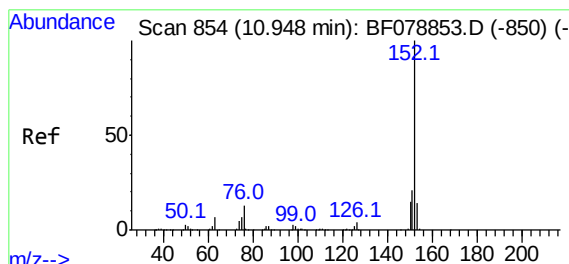
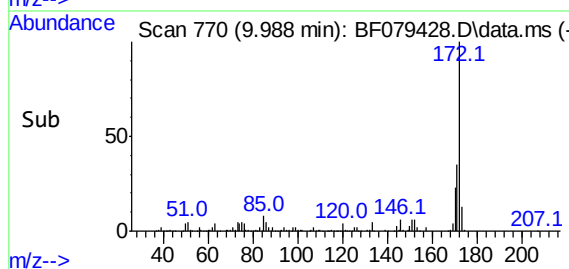
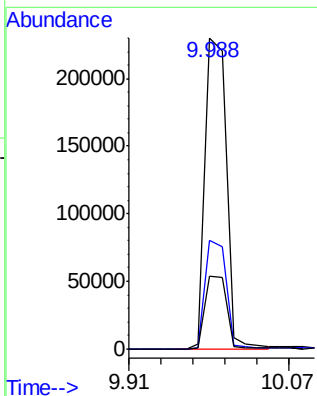
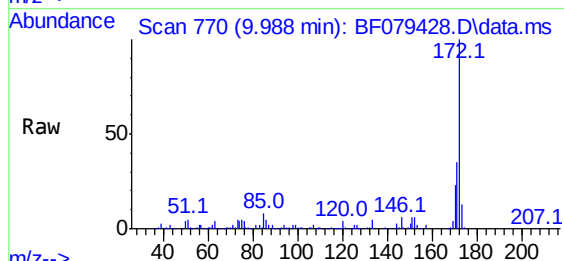
#44
2-Fluorobiphenyl
Concen: 30.47 ng
RT: 9.988 min Scan# 770
Delta R.T. -0.068 min
Lab File: BF079428.D
Acq: 22 May 2015 8:48

Tgt Ion:172 Resp: 322839
Ion Ratio Lower Upper
172 100
171 35.0 28.3 42.5
170 23.3 19.4 29.2

Instrument :
BNA_F
ClientSampleId :
LS-SB04A(2.5-3.0)RE

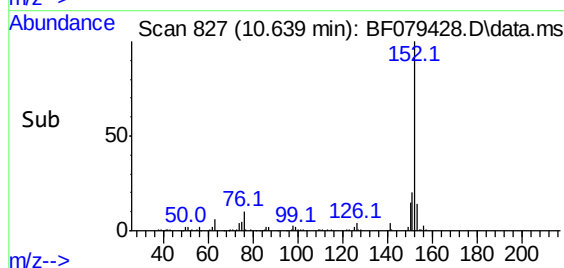
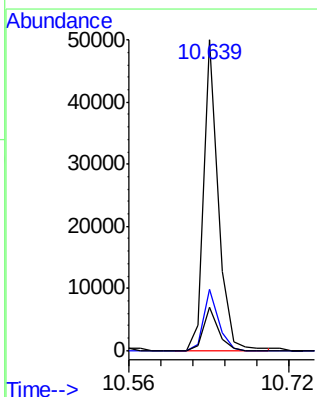
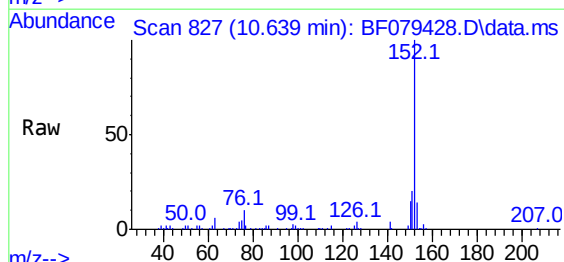
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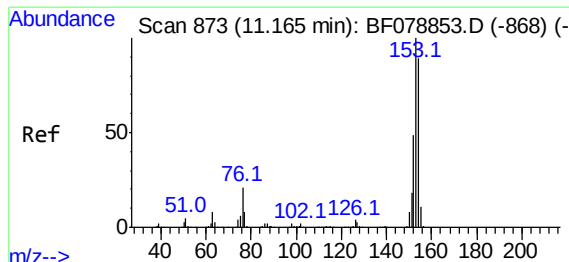
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#48
Acenaphthylene
Concen: 3.17 ng
RT: 10.639 min Scan# 827
Delta R.T. -0.068 min
Lab File: BF079428.D
Acq: 22 May 2015 8:48

Tgt Ion:152 Resp: 47702
Ion Ratio Lower Upper
152 100
151 19.7 16.6 24.8
153 13.8 11.0 16.6





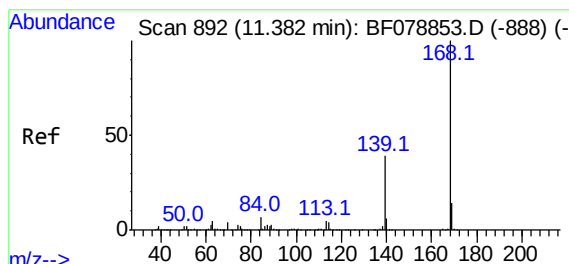
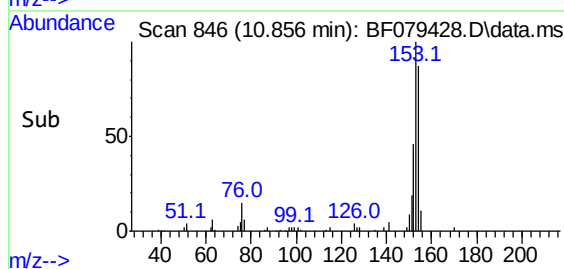
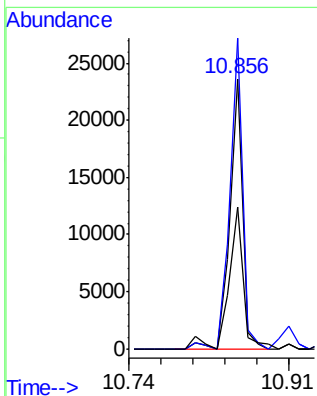
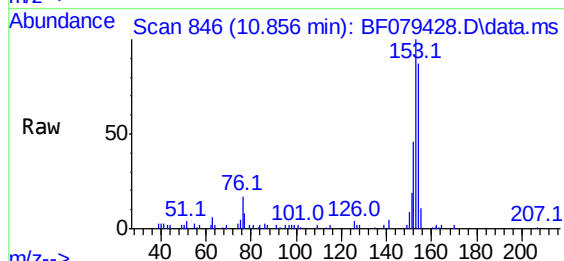
#51
Acenaphthene
Concen: 2.61 ng
RT: 10.856 min Scan# 846
Delta R.T. -0.057 min
Lab File: BF079428.D
Acq: 22 May 2015 8:48

Instrument :
BNA_F
ClientSampleId :
LS-SB04A(2.5-3.0)RE

Tgt Ion:154 Resp: 23380
Ion Ratio Lower Upper
154 100
153 115.1 90.2 135.2
152 52.8 43.8 65.8

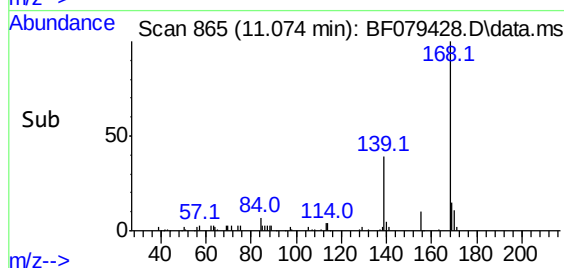
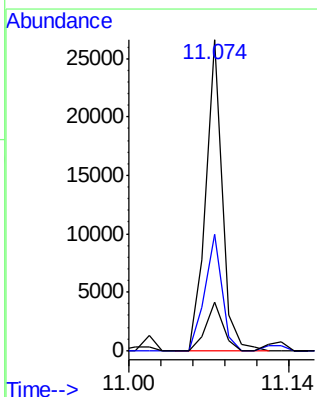
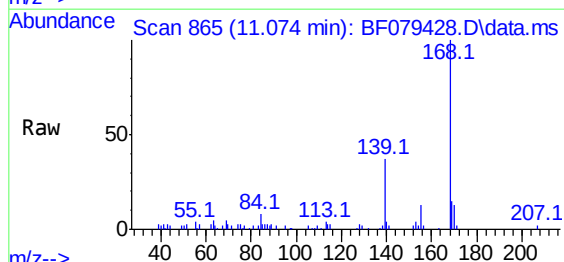
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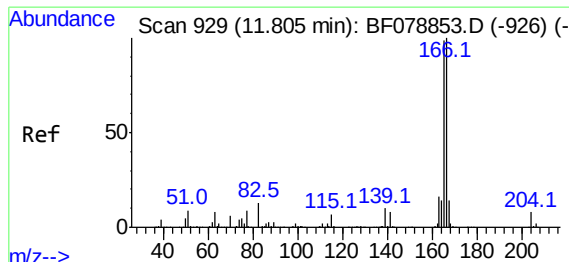
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#54
Dibenzofuran
Concen: 2.02 ng
RT: 11.074 min Scan# 865
Delta R.T. -0.057 min
Lab File: BF079428.D
Acq: 22 May 2015 8:48

Tgt Ion:168 Resp: 26213
Ion Ratio Lower Upper
168 100
139 37.4 31.5 47.3
169 15.4 11.0 16.4





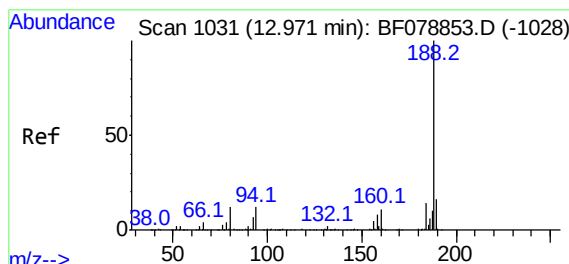
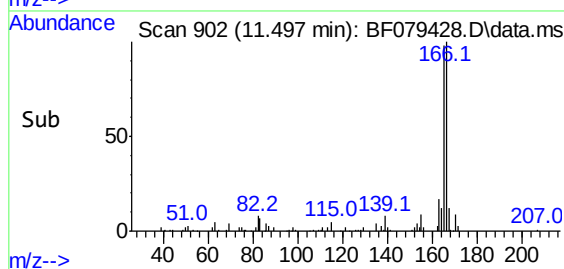
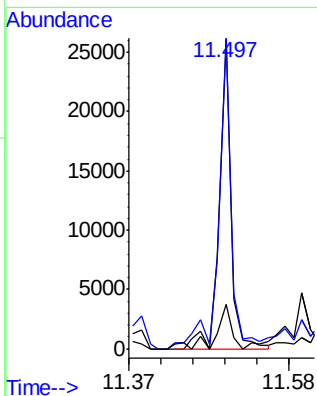
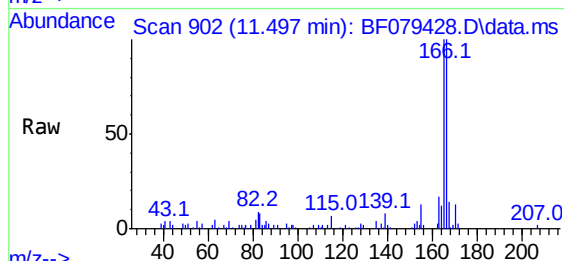
#57
Fluorene
Concen: 2.74 ng
RT: 11.497 min Scan# 902
Delta R.T. -0.057 min
Lab File: BF079428.D
Acq: 22 May 2015 8:48

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:166 Resp: 29116
Ion Ratio Lower Upper
166 100
165 100.2 79.5 119.3
167 14.5 11.0 16.6

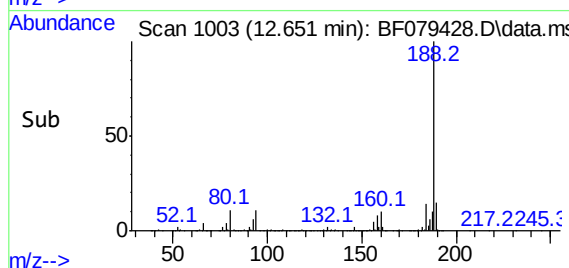
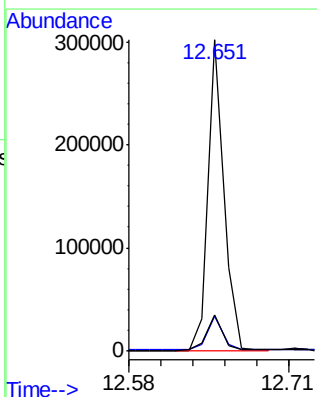
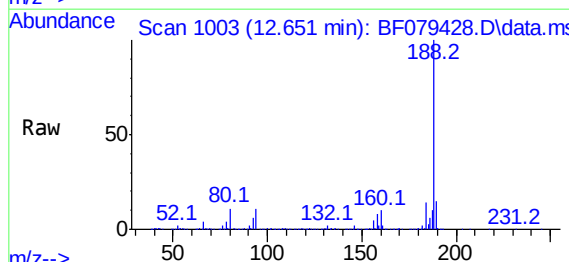
Manual Integrations
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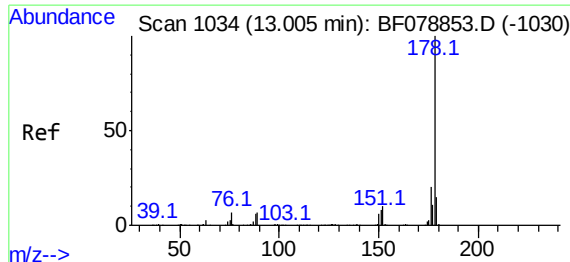
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#63
Phenanthrene-d10
Concen: 20.00 ng
RT: 12.651 min Scan# 1003
Delta R.T. -0.068 min
Lab File: BF079428.D
Acq: 22 May 2015 8:48

Tgt Ion:188 Resp: 286755
Ion Ratio Lower Upper
188 100
94 10.9 9.4 14.0
80 11.4 9.8 14.6





#70
Phenanthrene
Concen: 30.03 ng
RT: 12.685 min Scan# 1006
Delta R.T. -0.057 min
Lab File: BF079428.D
Acq: 22 May 2015 8:48

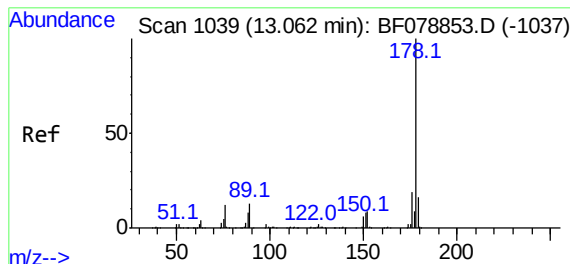
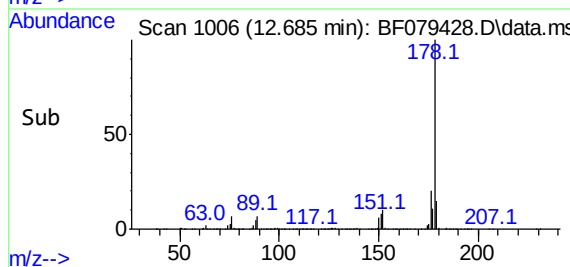
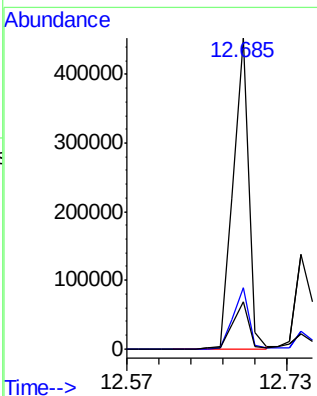
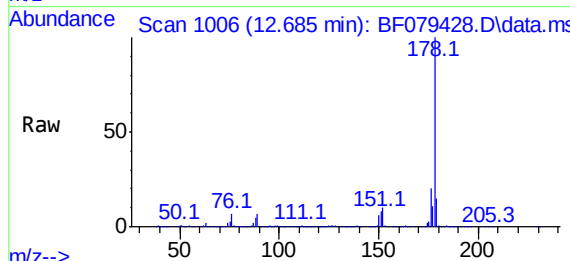
Tgt Ion:178 Resp: 481766

Ion	Ratio	Lower	Upper
178	100		
176	19.8	15.9	23.9
179	15.0	12.2	18.4

Instrument :
BNA_F
ClientSampleId :
LS-SB04A(2.5-3.0)RE

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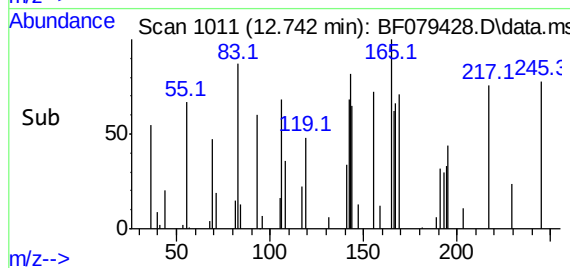
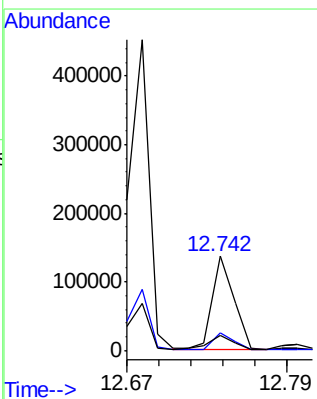
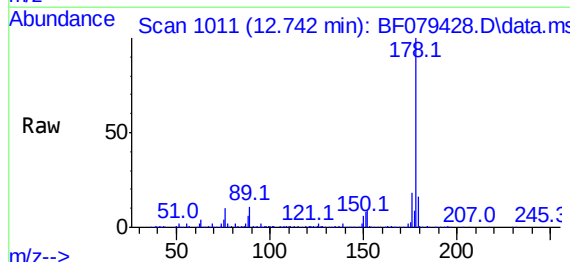
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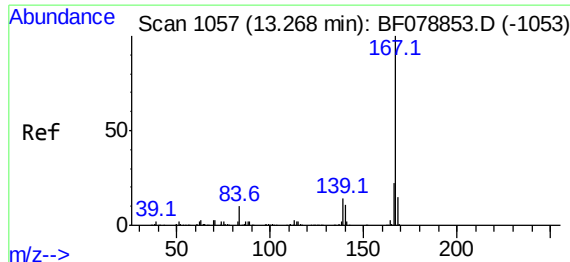


#71
Anthracene
Concen: 9.35 ng
RT: 12.742 min Scan# 1011
Delta R.T. -0.068 min
Lab File: BF079428.D
Acq: 22 May 2015 8:48

Tgt Ion:178 Resp: 147201

Ion	Ratio	Lower	Upper
178	100		
176	18.2	15.3	22.9
179	16.5	12.6	19.0

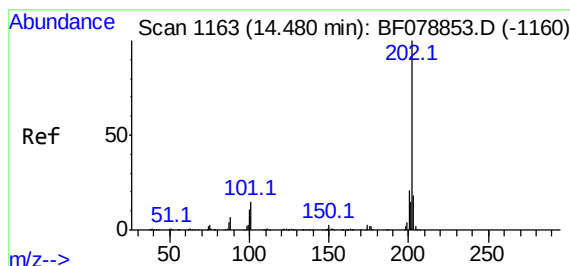
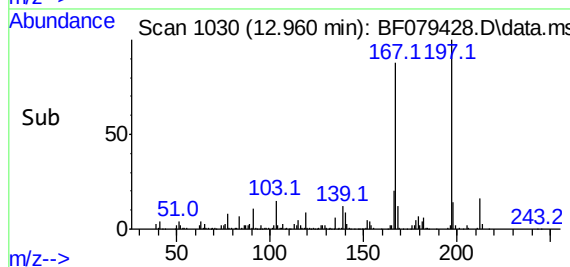
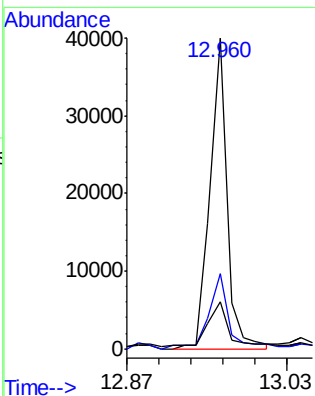
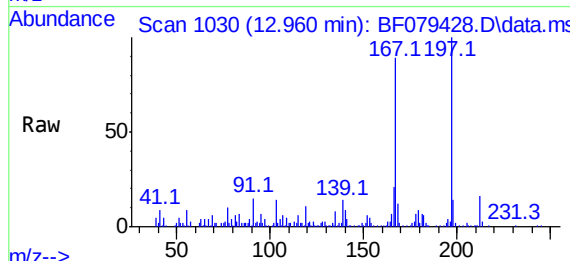




#72
Carbazole
Concen: 3.01 ng
RT: 12.960 min Scan# 1030
Delta R.T. -0.057 min
Lab File: BF079428.D
Acq: 22 May 2015 8:48

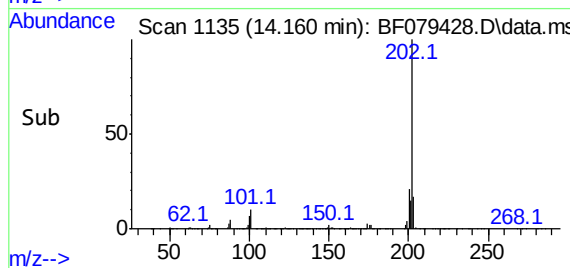
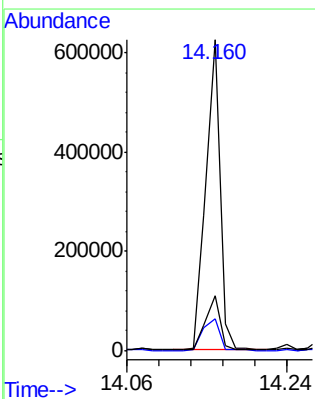
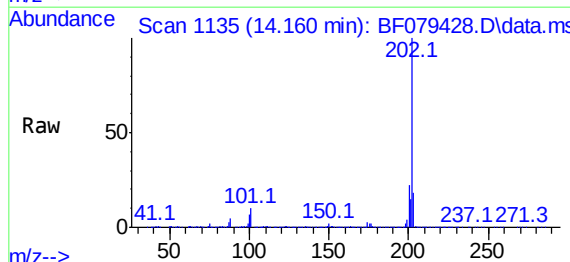
Instrument :
BNA_F
ClientSampleId :
LS-SB04A(2.5-3.0)RE

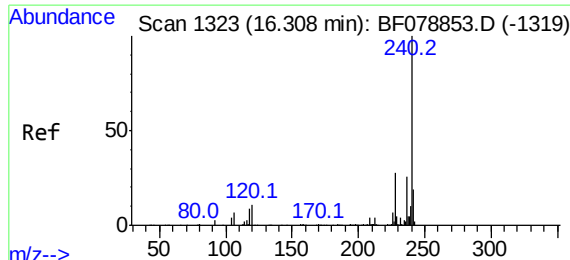
Tgt Ion:167 Resp: 45148
Ion Ratio Lower Upper
167 100
166 24.2 17.5 26.3
139 15.3 11.0 16.4



#74
Fluoranthene
Concen: 39.50 ng
RT: 14.160 min Scan# 1135
Delta R.T. -0.068 min
Lab File: BF079428.D
Acq: 22 May 2015 8:48

Tgt Ion:202 Resp: 660215
Ion Ratio Lower Upper
202 100
101 10.2 0.0 34.7
203 17.7 0.0 37.9





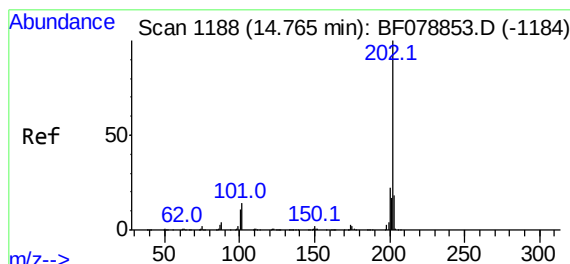
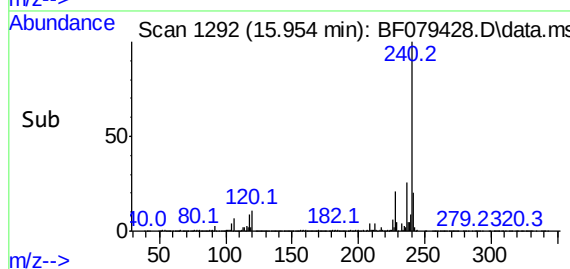
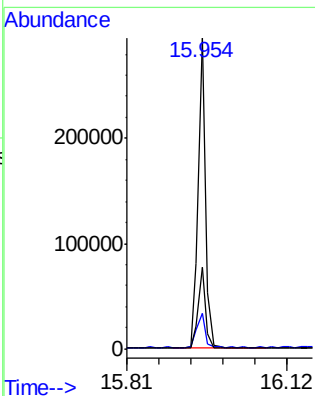
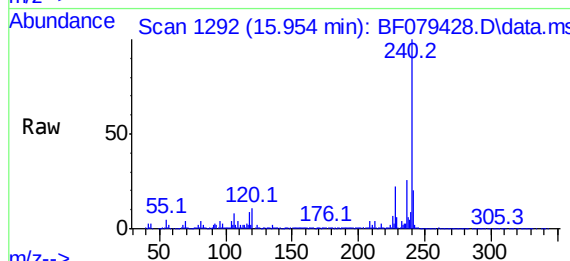
#75
Chrysene-d12
Concen: 20.00 ng
RT: 15.954 min Scan# 1292
Delta R.T. -0.068 min
Lab File: BF079428.D
Acq: 22 May 2015 8:48

Instrument :
BNA_F
ClientSampleId :
LS-SB04A(2.5-3.0)RE

Tgt Ion:240 Resp: 300475
Ion Ratio Lower Upper
240 100
120 11.4 8.6 12.8
236 26.1 21.0 31.6

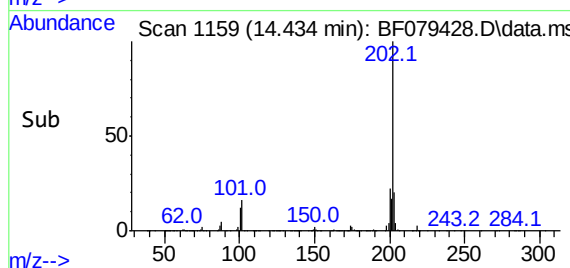
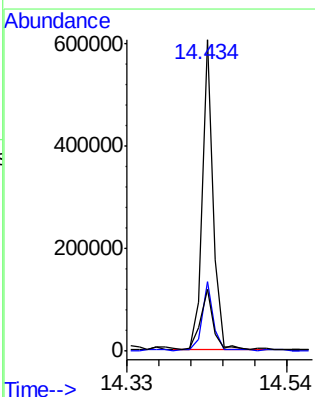
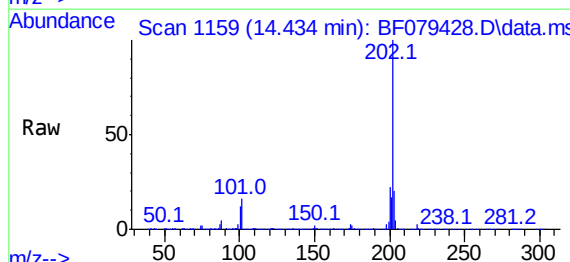
Manual Integrations
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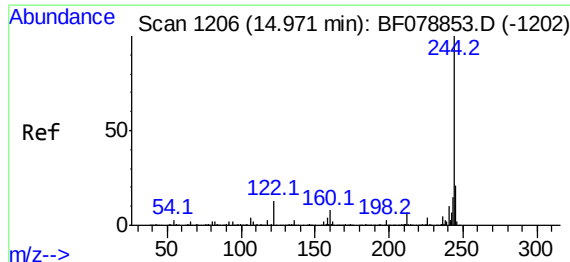
apatel
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#77
Pyrene
Concen: 35.25 ng
RT: 14.434 min Scan# 1159
Delta R.T. -0.068 min
Lab File: BF079428.D
Acq: 22 May 2015 8:48

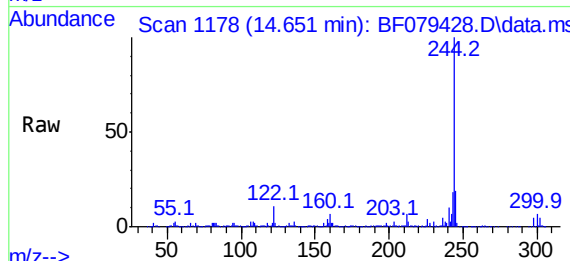
Tgt Ion:202 Resp: 610371
Ion Ratio Lower Upper
202 100
200 22.0 17.5 26.3
203 19.8 14.7 22.1





#78
Terphenyl-d14
Concen: 30.35 ng
RT: 14.651 min Scan# 1178
Delta R.T. -0.068 min
Lab File: BF079428.D
Acq: 22 May 2015 8:48

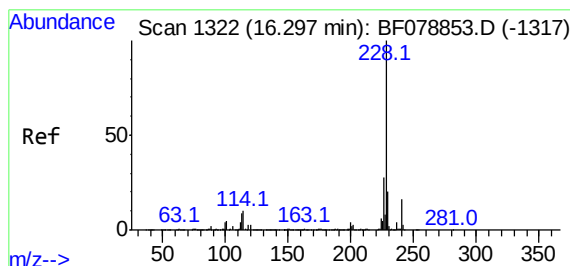
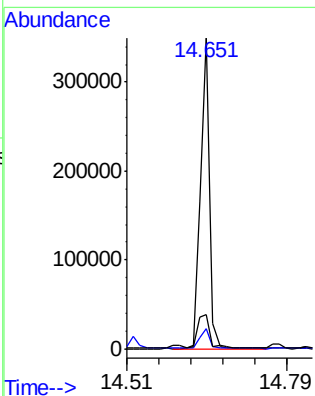
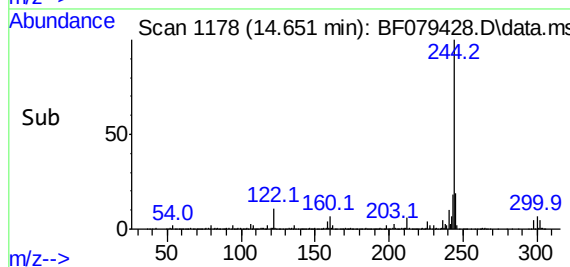
Instrument :
BNA_F
ClientSampleId :
LS-SB04A(2.5-3.0)RE



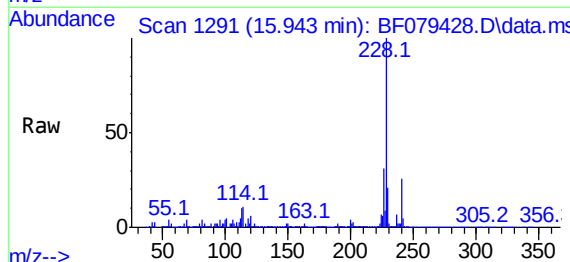
Tgt Ion:244 Resp: 380959
Ion Ratio Lower Upper
244 100
212 6.6 5.6 8.4
122 10.8 10.5 15.7

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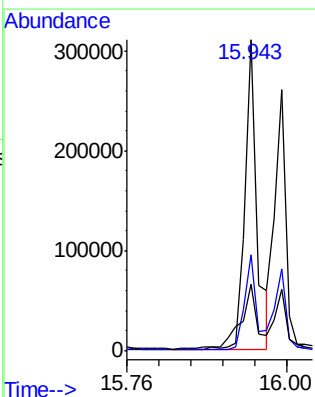
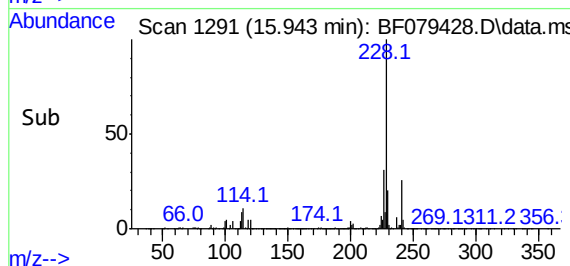
apatel
5/22/2015 4:32:27 PM

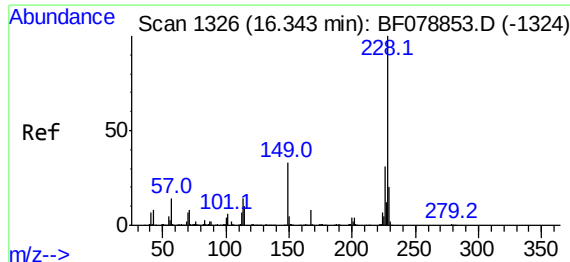


#80
Benzo(a)anthracene
Concen: 23.24 ng
RT: 15.943 min Scan# 1291
Delta R.T. -0.068 min
Lab File: BF079428.D
Acq: 22 May 2015 8:48



Tgt Ion:228 Resp: 382461
Ion Ratio Lower Upper
228 100
226 30.9 22.3 33.5
229 21.2 16.1 24.1

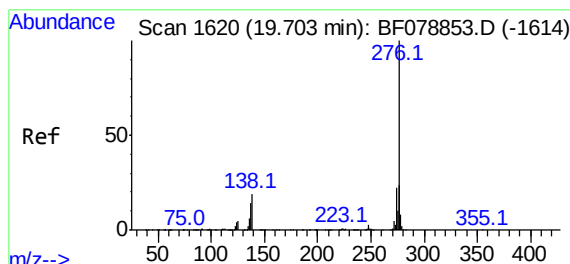
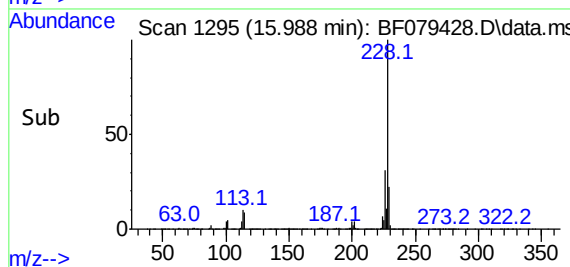
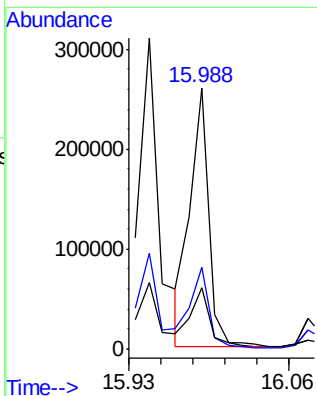
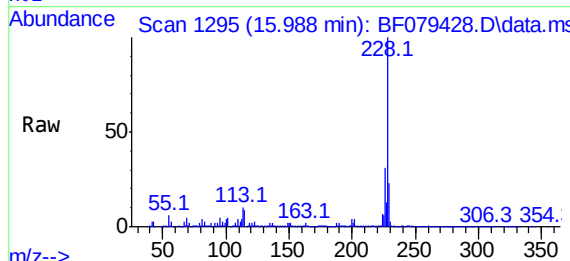




#82
Chrysene
Concen: 18.59 ng
RT: 15.988 min Scan# 1295
Delta R.T. -0.068 min
Lab File: BF079428.D
Acq: 22 May 2015 8:48

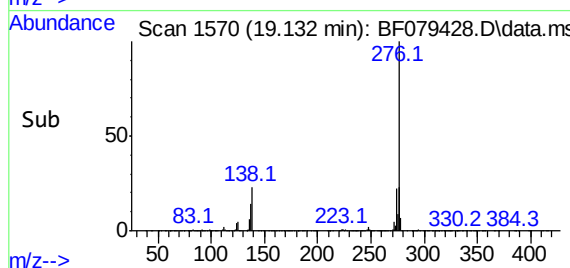
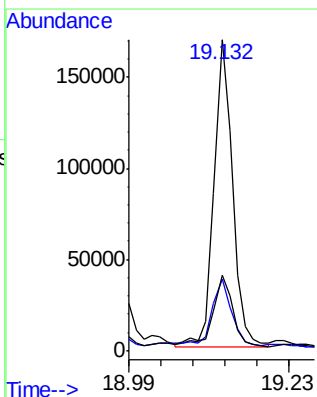
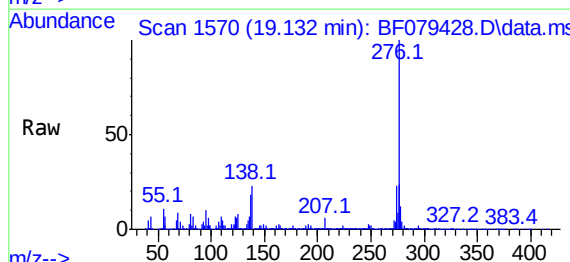
Instrument :
BNA_F
ClientSampleId :
LS-SB04A(2.5-3.0)RE

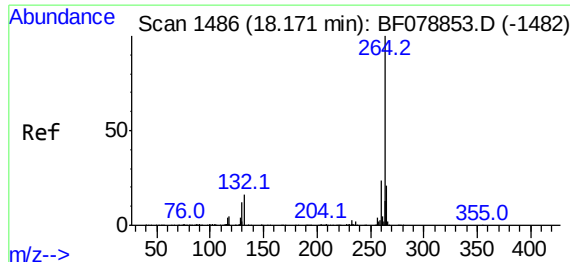
Tgt Ion:228 Resp: 294209
Ion Ratio Lower Upper
228 100
226 31.2 24.8 37.2
229 23.3 16.1 24.1



#85
Indeno(1,2,3-cd)pyrene
Concen: 15.40 ng
RT: 19.132 min Scan# 1570
Delta R.T. -0.080 min
Lab File: BF079428.D
Acq: 22 May 2015 8:48

Tgt Ion:276 Resp: 310578
Ion Ratio Lower Upper
276 100
138 23.6 21.1 31.7
277 27.3 19.9 29.9

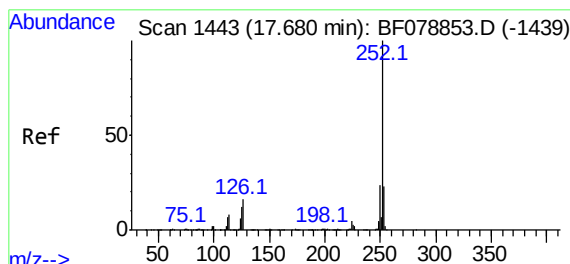
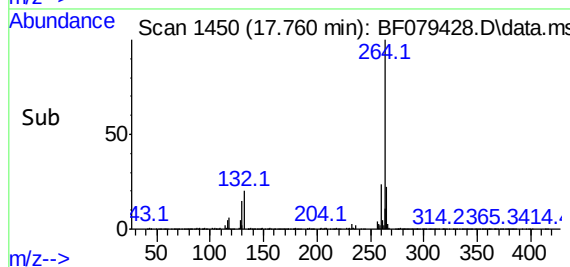
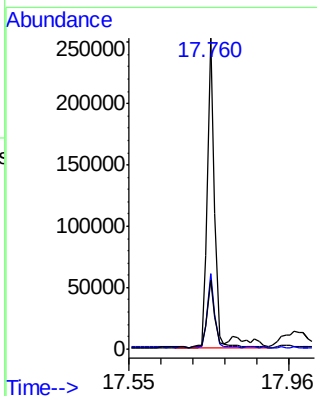
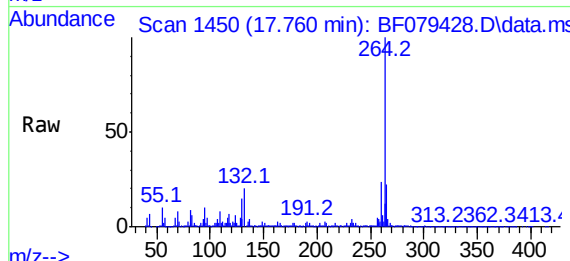




#86
Perylene-d12
Concen: 20.00 ng
RT: 17.760 min Scan# 1450
Delta R.T. -0.057 min
Lab File: BF079428.D
Acq: 22 May 2015 8:48

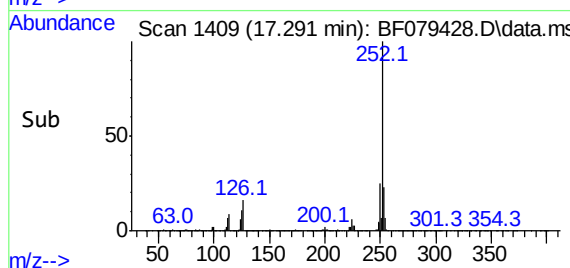
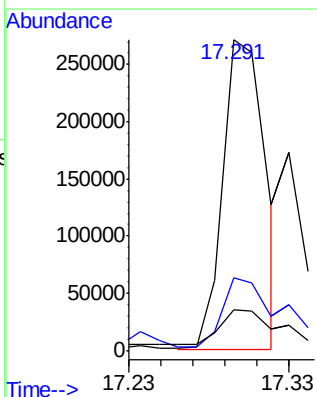
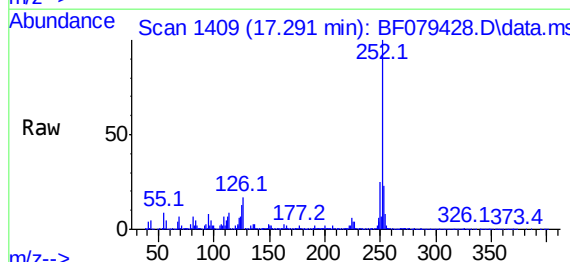
Instrument :
BNA_F
ClientSampleId :
LS-SB04A(2.5-3.0)RE

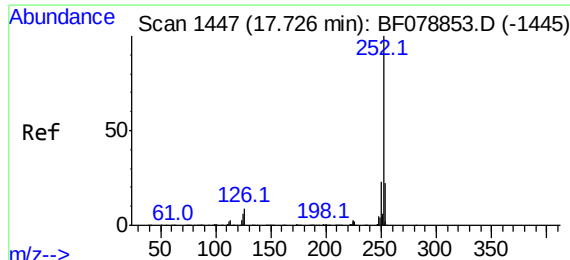
Tgt Ion:264 Resp: 322293
Ion Ratio Lower Upper
264 100
260 24.3 19.2 28.8
265 22.3 17.2 25.8



#87
Benzo(b)fluoranthene
Concen: 28.05 ng m
RT: 17.291 min Scan# 1409
Delta R.T. -0.057 min
Lab File: BF079428.D
Acq: 22 May 2015 8:48

Tgt Ion:252 Resp: 494794
Ion Ratio Lower Upper
252 100
253 23.2 18.1 27.1
125 13.1 9.4 14.2





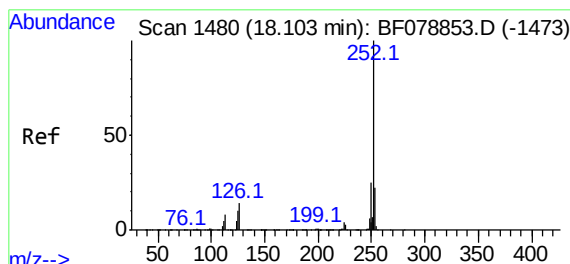
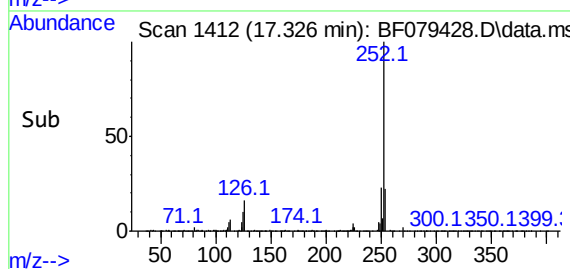
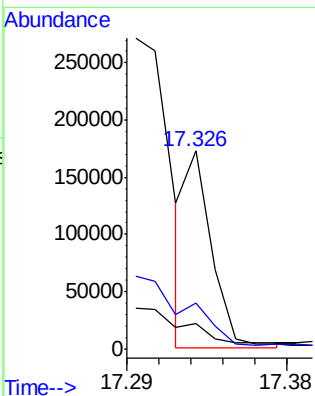
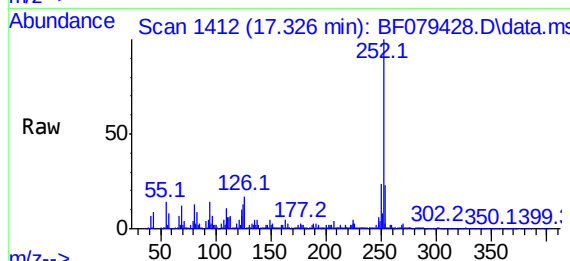
#88
Benzo(k)fluoranthene
Concen: 10.15 ng m
RT: 17.326 min Scan# 1412
Delta R.T. -0.057 min
Lab File: BF079428.D
Acq: 22 May 2015 8:48

Tgt Ion:	252	Resp:	173363
Ion Ratio	Lower	Upper	
252	100		
253	23.4	17.4	26.0
125	12.7	6.1	9.1#

Instrument :
BNA_F
ClientSampleId :
LS-SB04A(2.5-3.0)RE

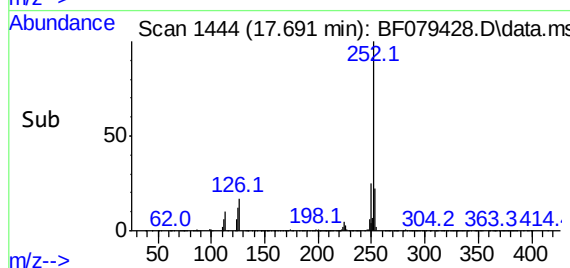
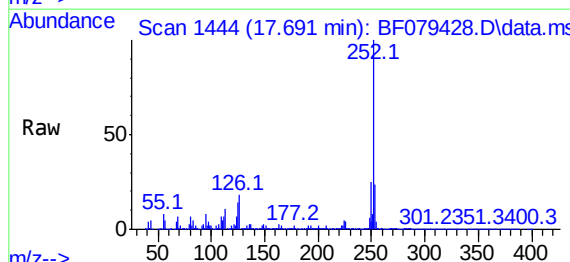
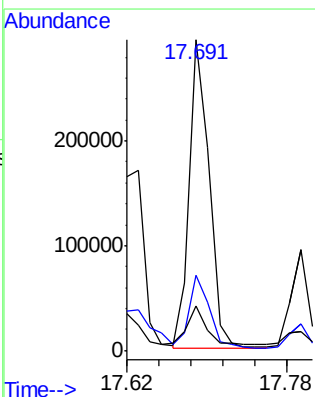
Manual Integrations
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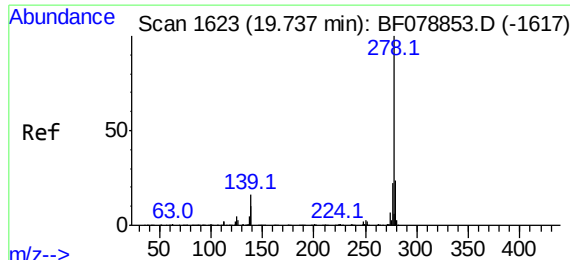
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#89
Benzo(a)pyrene
Concen: 24.31 ng
RT: 17.691 min Scan# 1444
Delta R.T. -0.057 min
Lab File: BF079428.D
Acq: 22 May 2015 8:48

Tgt Ion:	252	Resp:	394912
Ion Ratio	Lower	Upper	
252	100		
253	24.3	18.0	27.0
125	14.5	8.2	12.2#





#90

Dibenzo(a,h)anthracene

Concen: 4.01 ng

RT: 19.154 min Scan# 1572

Delta R.T. -0.091 min

Lab File: BF079428.D

Acq: 22 May 2015 8:48

Tgt Ion:	278	Resp:	69284
Ion Ratio	Lower	Upper	
278	100		
139	22.3	13.1	19.7#
279	32.7	19.1	28.7#

Instrument :

BNA_F

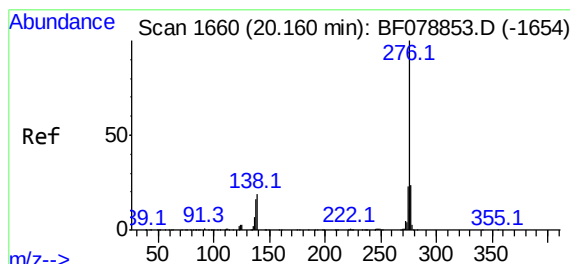
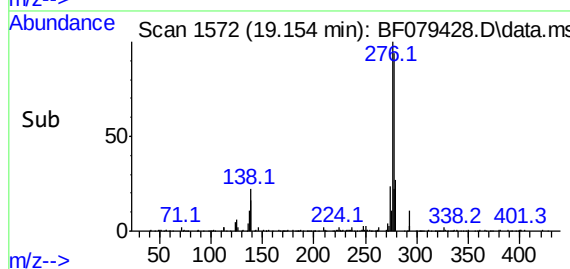
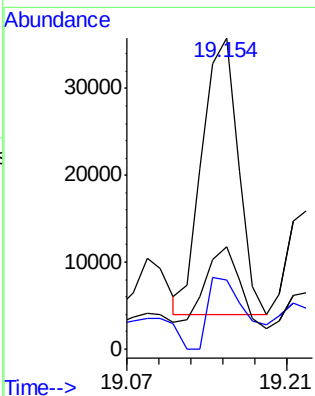
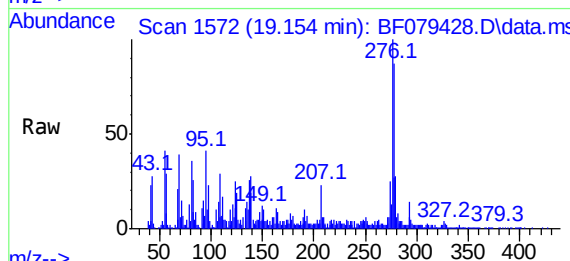
ClientSampleId :

LS-SB04A(2.5-3.0)RE

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#91

Benzo(g,h,i)perylene

Concen: 16.74 ng

RT: 19.532 min Scan# 1605

Delta R.T. -0.091 min

Lab File: BF079428.D

Acq: 22 May 2015 8:48

Tgt Ion:	276	Resp:	289648
Ion Ratio	Lower	Upper	
276	100		
277	23.9	18.8	28.2
138	21.8	15.2	22.8

