

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112320\
 Data File : BF122452.D
 Acq On : 23 Nov 2020 17:49
 Operator : JU/CG
 Sample : L4836-06
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SB-06

Manual Integrations
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Quant Time: Nov 24 00:26:57 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 20 13:27:02 2020
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	179464	20.00	ng	0.00
21) Naphthalene-d8	8.151	136	662308	20.00	ng	0.00
39) Acenaphthene-d10	9.910	164	339200	20.00	ng	0.00
64) Phenanthrene-d10	11.398	188	557956	20.00	ng	0.00
76) Chrysene-d12	14.051	240	385808	20.00	ng	0.00
86) Perylene-d12	15.533	264	530973	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.487	112	926501	79.27	ng	0.00
7) Phenol-d6	6.492	99	1147309	75.04	ng	-0.02
23) Nitrobenzene-d5	7.422	82	712736	65.88	ng	-0.01
42) 2,4,6-Tribromophenol	10.698	330	309554	85.03	ng	0.00
45) 2-Fluorobiphenyl	9.227	172	1189365	54.79	ng	0.00
79) Terphenyl-d14	12.986	244	908625	49.89	ng	0.00
Target Compounds						Qvalue
10) Phenol	6.504	94	55474	3.68	ng	# 75
31) Naphthalene	8.169	128	807695	22.94	ng	99
37) 2-Methylnaphthalene	8.863	142	274787	11.81	ng	98
38) 1-Methylnaphthalene	8.963	142	320668	14.73	ng	99
46) 1,1'-Biphenyl	9.327	154	124040	4.59	ng	98
49) Acenaphthylene	9.769	152	188951	5.74	ng	# 96
50) Dimethylphthalate	9.622	163	144567	6.00	ng	98
52) Acenaphthene	9.939	154	561521	27.54	ng	99
55) Dibenzofuran	10.110	168	582252	19.49	ng	98
58) Fluorene	10.457	166	826031	36.12	ng	98
71) Phenanthrene	11.433	178	4258090	134.51	ng	96
72) Anthracene	11.480	178	1736479	53.22	ng	100
73) Carbazole	11.627	167	440399	14.84	ng	99
75) Fluoranthene	12.639	202	3752536	113.54	ng	96
78) Pyrene	12.857	202	3778203	139.39	ng	96
81) Benzo(a)anthracene	14.039	228	2026699	84.47	ng	95
83) Chrysene	14.080	228	1779915	73.65	ng	98
87) Indeno(1,2,3-cd)pyrene	17.015	276	1172491	36.80	ng	95
88) Benzo(b)fluoranthene	15.104	252	2239946m	65.14	ng	
89) Benzo(k)fluoranthene	15.127	252	646002m	19.27	ng	
90) Benzo(a)pyrene	15.474	252	1881140	62.75	ng	96
91) Dibenzo(a,h)anthracene	17.027	278	290918	10.90	ng	95
92) Benzo(g,h,i)perylene	17.468	276	1075574	41.45	ng	99

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

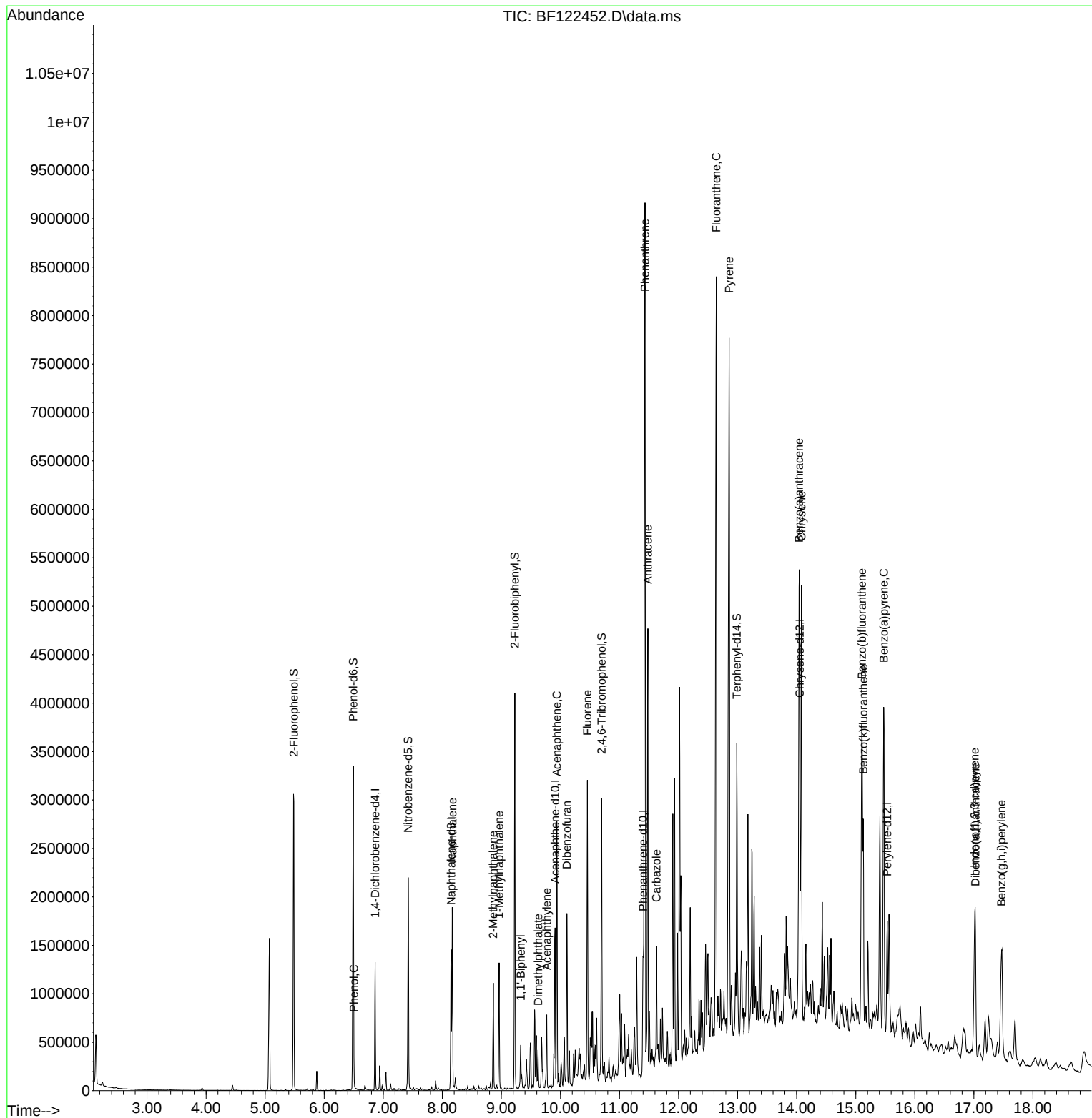
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Data File : BF122452.D
Acq On : 23 Nov 2020 17:49
Operator : JU/CG
Sample : L4836-06
Misc :
ALS Vial : 11 Sample Multiplier: 1

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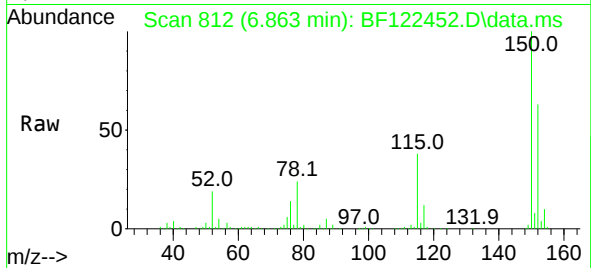
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Quant Time: Nov 24 00:26:57 2020
Quant Method : Z:\SVOASRV\HPCHEM1\BNA_F\METHODS\8270-BF110920.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 20 13:27:02 2020
Response via : Initial Calibration

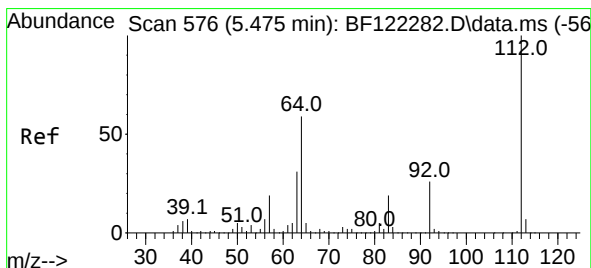
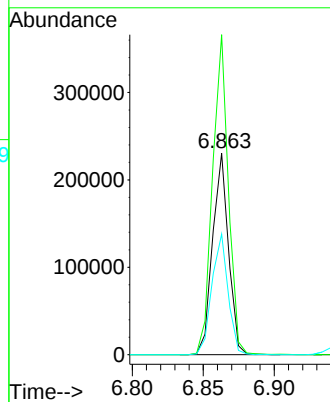
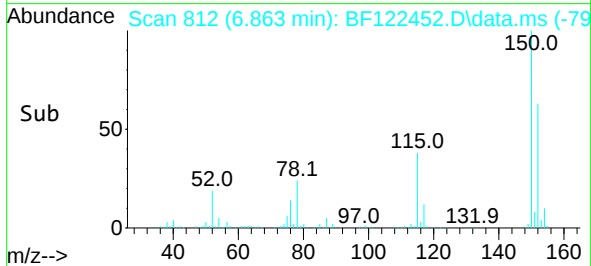




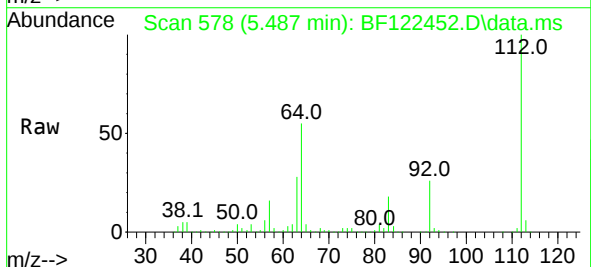
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 6.863 min Scan# 812
Delta R.T. -0.006 min
Lab File: BF122452.D
Acq: 23 Nov 2020 17:49



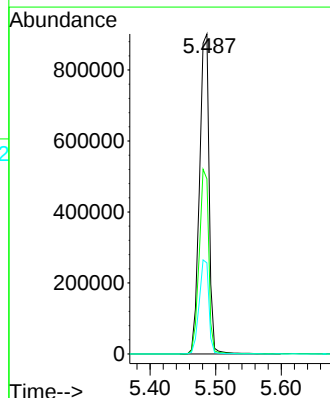
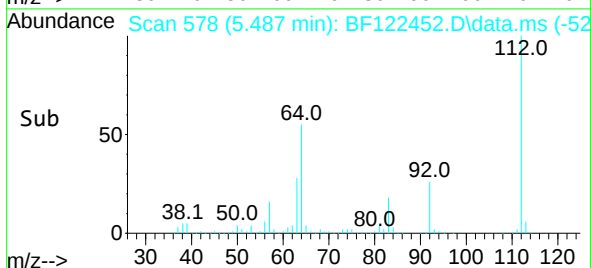
Tgt Ion:152 Resp: 179464
Ion Ratio Lower Upper
152 100
150 158.9 125.3 187.9
115 59.9 51.9 77.9



#5
2-Fluorophenol
Concen: 79.27 ng
RT: 5.487 min Scan# 578
Delta R.T. -0.006 min
Lab File: BF122452.D
Acq: 23 Nov 2020 17:49



Tgt Ion:112 Resp: 926501
Ion Ratio Lower Upper
112 100
64 54.7 50.4 75.6
63 28.5 25.8 38.6



Instrument :
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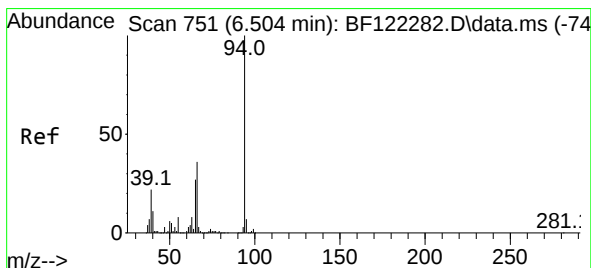
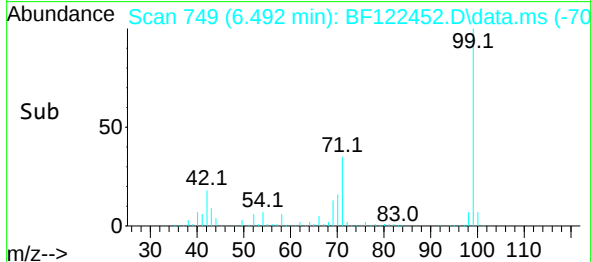
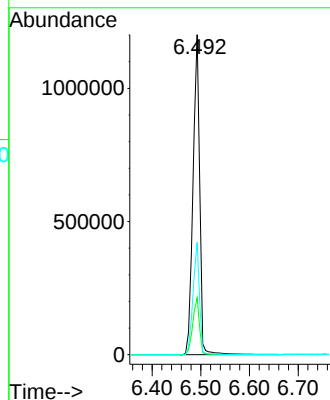
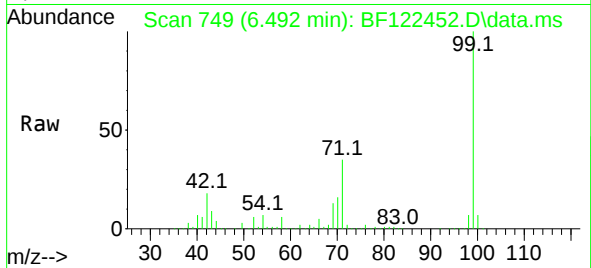
#7
Phenol-d6
Concen: 75.04 ng
RT: 6.492 min Scan# 749
Delta R.T. -0.018 min
Lab File: BF122452.D
Acq: 23 Nov 2020 17:49

Tgt Ion: 99 Resp: 1147309
Ion Ratio Lower Upper
99 100
42 17.8 15.9 23.9
71 35.1 27.1 40.7

Instrument :
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ClientSampled :
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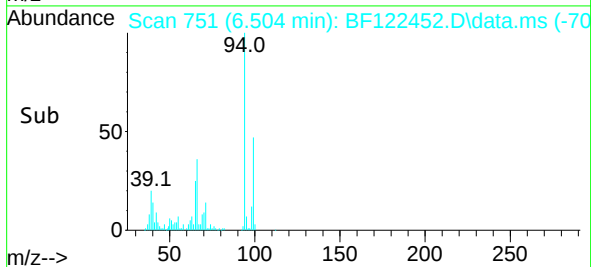
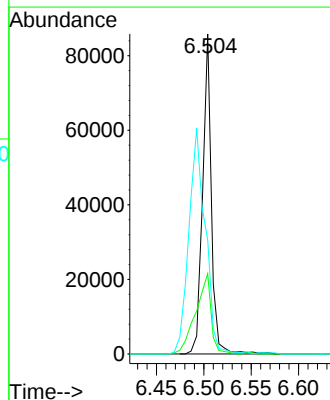
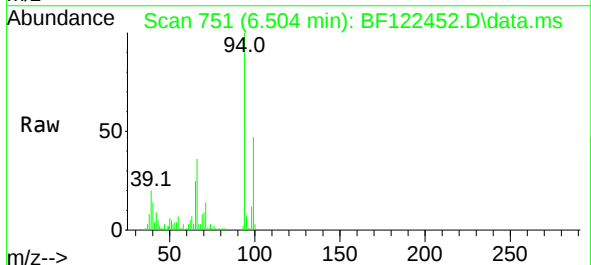
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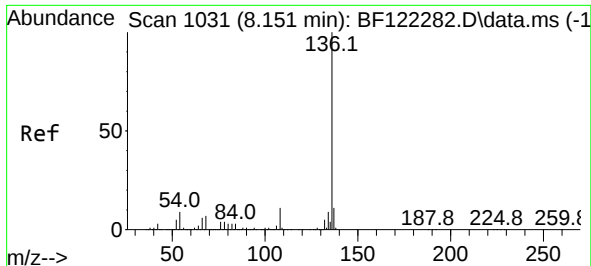
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#10
Phenol
Concen: 3.68 ng
RT: 6.504 min Scan# 751
Delta R.T. -0.018 min
Lab File: BF122452.D
Acq: 23 Nov 2020 17:49

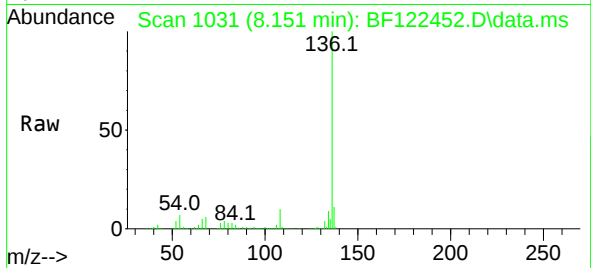
Tgt Ion: 94 Resp: 55474
Ion Ratio Lower Upper
94 100
65 25.1 17.1 57.1
66 35.6 36.0 76.0#





#21
Naphthalene-d8
Concen: 20.00 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF122452.D
Acq: 23 Nov 2020 17:49

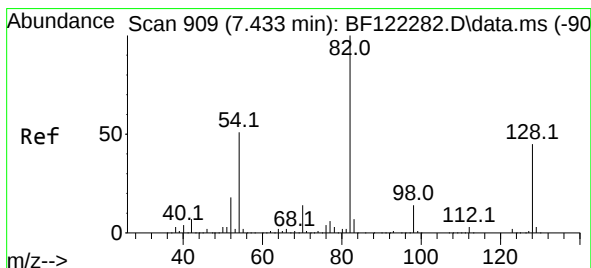
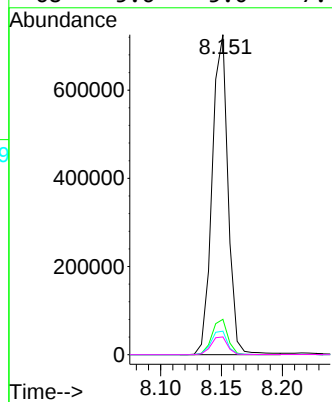
Instrument :
BNA_F
ClientSampled :
SB-06



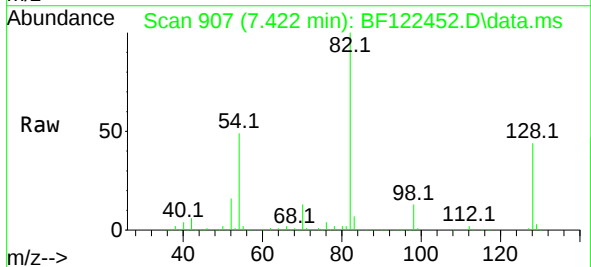
Tgt Ion:	136	Resp:	662308
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	13.0
54	7.4	7.1	10.7
68	5.6	5.0	7.4

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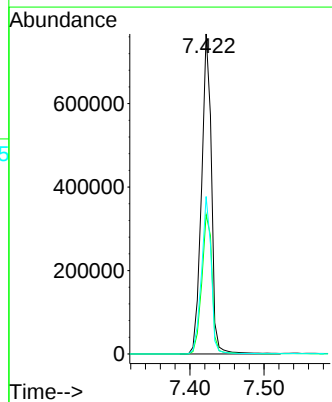
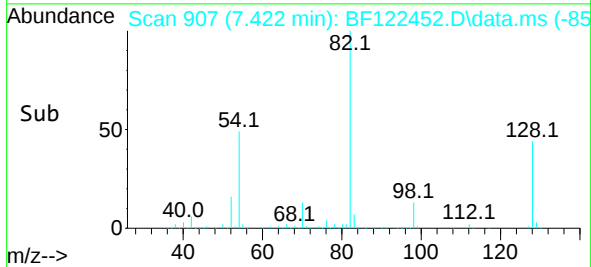
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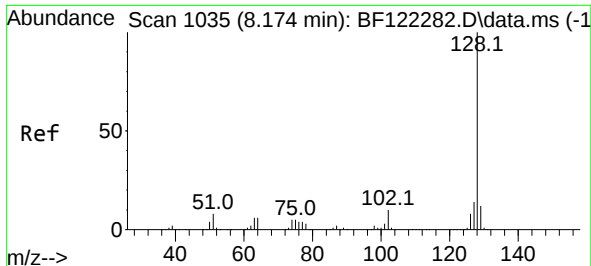


#23
Nitrobenzene-d5
Concen: 65.88 ng
RT: 7.422 min Scan# 907
Delta R.T. -0.012 min
Lab File: BF122452.D
Acq: 23 Nov 2020 17:49



Tgt Ion:	82	Resp:	712736
Ion Ratio	Lower	Upper	
82	100		
128	43.6	35.0	52.4
54	49.2	43.9	65.9





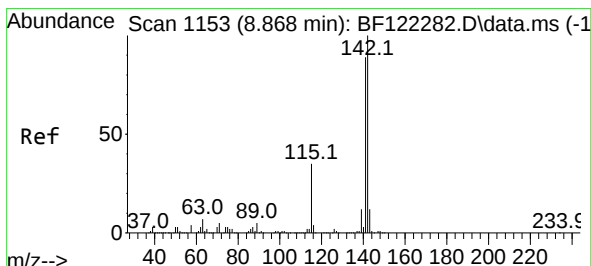
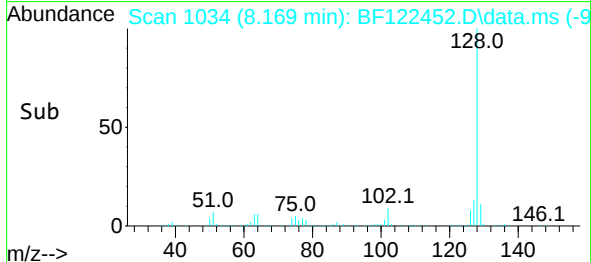
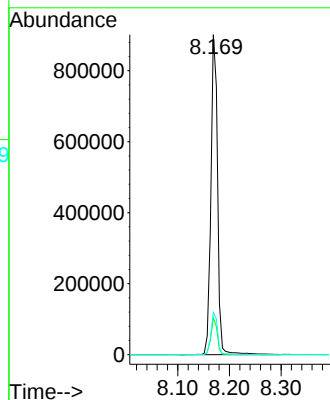
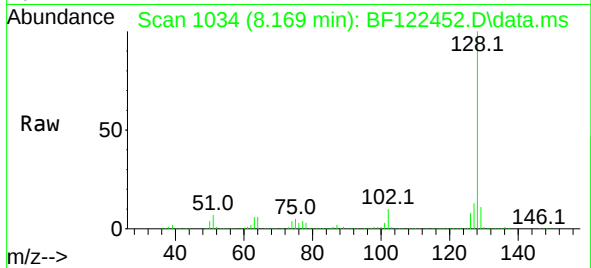
#31
Naphthalene
Concen: 22.94 ng
RT: 8.169 min Scan# 1034
Delta R.T. -0.012 min
Lab File: BF122452.D
Acq: 23 Nov 2020 17:49

Tgt Ion:128 Resp: 807695
Ion Ratio Lower Upper
128 100
129 11.4 8.7 13.1
127 13.2 10.8 16.2

Instrument :
BNA_F
ClientSampled :
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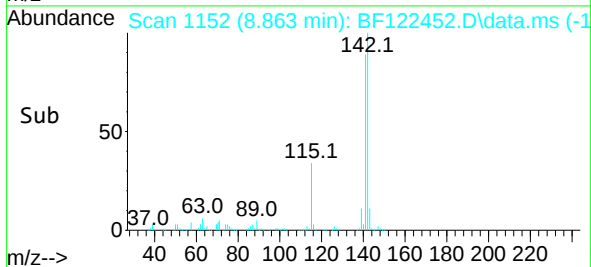
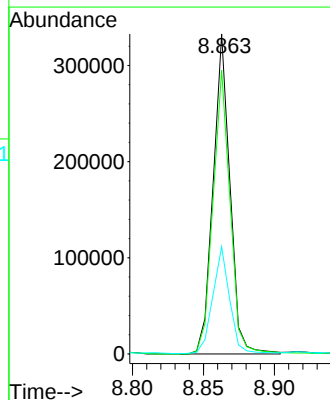
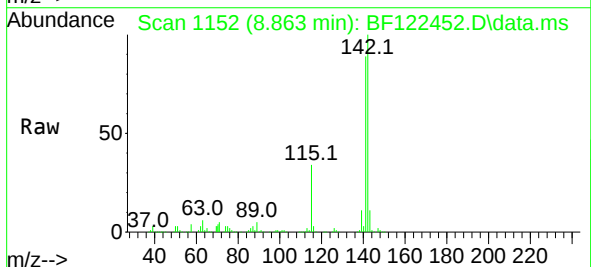
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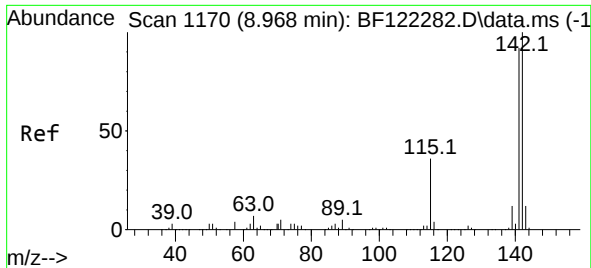
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#37
2-Methylnaphthalene
Concen: 11.81 ng
RT: 8.863 min Scan# 1152
Delta R.T. -0.006 min
Lab File: BF122452.D
Acq: 23 Nov 2020 17:49

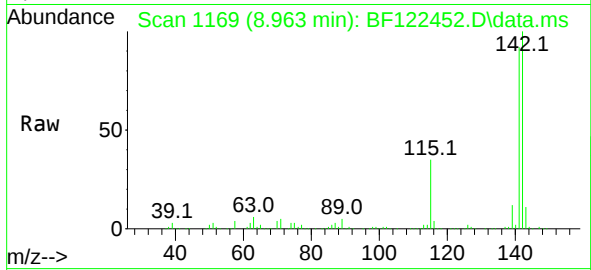
Tgt Ion:142 Resp: 274787
Ion Ratio Lower Upper
142 100
141 88.7 70.2 105.4
115 33.5 28.6 43.0





#38
1-Methylnaphthalene
Concen: 14.73 ng
RT: 8.963 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF122452.D
Acq: 23 Nov 2020 17:49

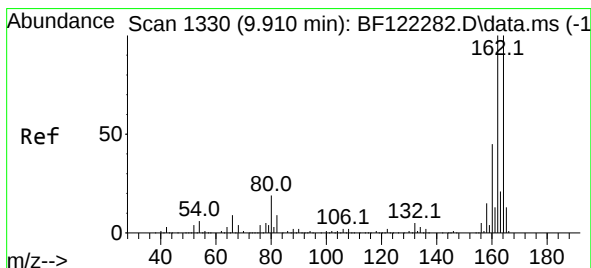
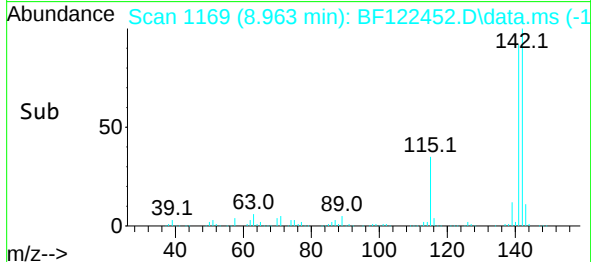
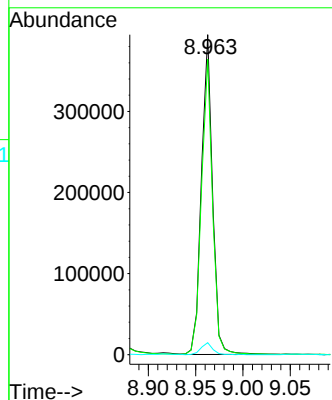
Instrument :
BNA_F
ClientSampled :
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Tgt Ion:142 Resp: 320668
Ion Ratio Lower Upper
142 100
141 92.3 74.5 111.7
116 3.8 3.2 4.8

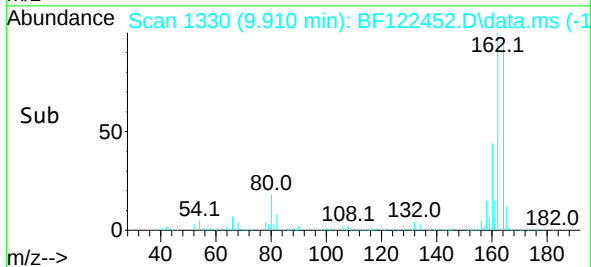
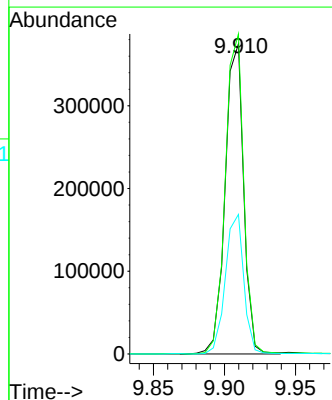
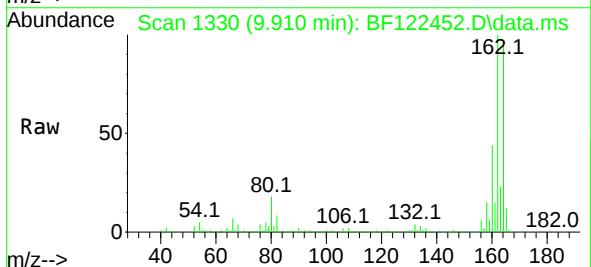
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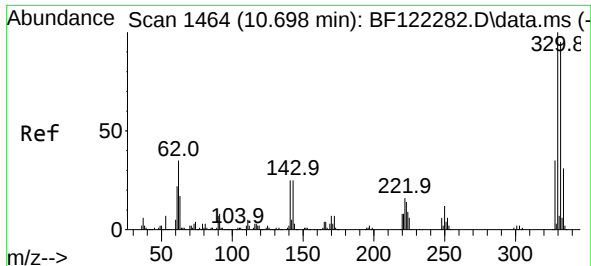
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#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 9.910 min Scan# 1330
Delta R.T. -0.006 min
Lab File: BF122452.D
Acq: 23 Nov 2020 17:49

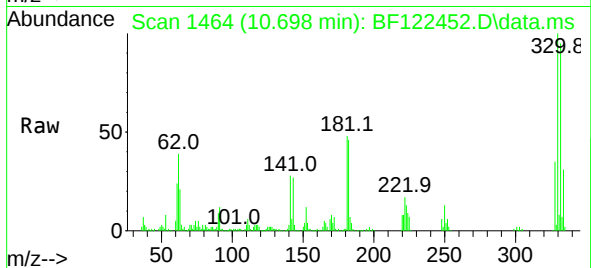
Tgt Ion:164 Resp: 339200
Ion Ratio Lower Upper
164 100
162 103.2 83.2 124.8
160 45.0 37.5 56.3





#42
2,4,6-Tribromophenol
Concen: 85.03 ng
RT: 10.698 min Scan# 1464
Delta R.T. -0.006 min
Lab File: BF122452.D
Acq: 23 Nov 2020 17:49

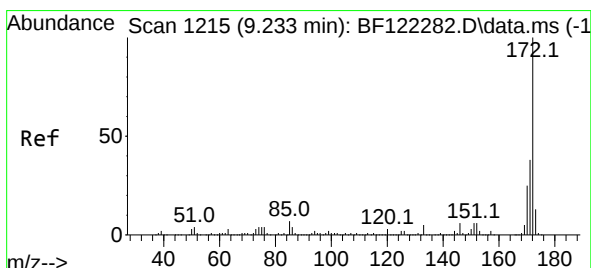
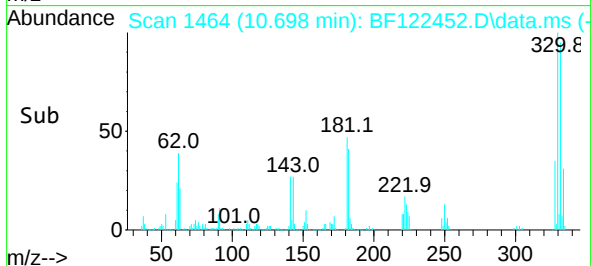
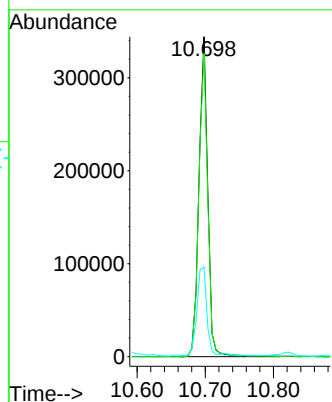
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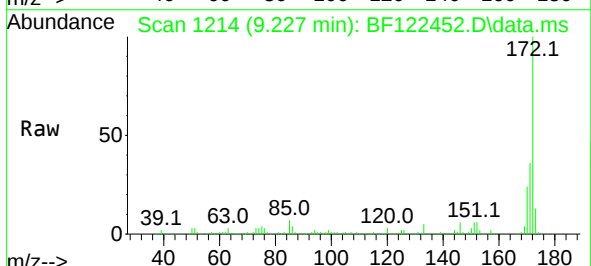
Tgt Ion:330 Resp: 309554
Ion Ratio Lower Upper
330 100
332 96.6 77.3 115.9
141 30.4 22.3 33.5

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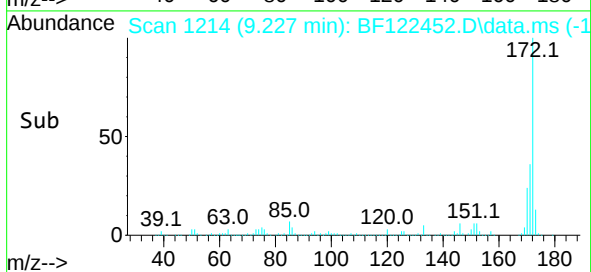
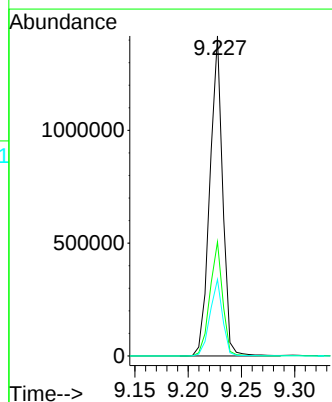
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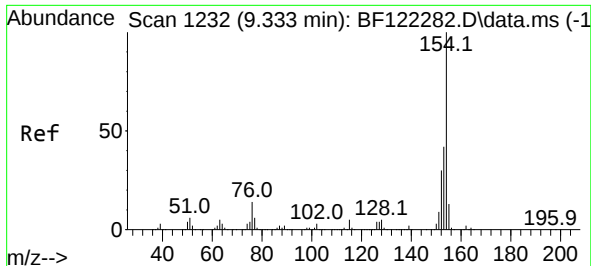


#45
2-Fluorobiphenyl
Concen: 54.79 ng
RT: 9.227 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF122452.D
Acq: 23 Nov 2020 17:49



Tgt Ion:172 Resp: 1189365
Ion Ratio Lower Upper
172 100
171 35.6 29.1 43.7
170 23.9 19.8 29.6





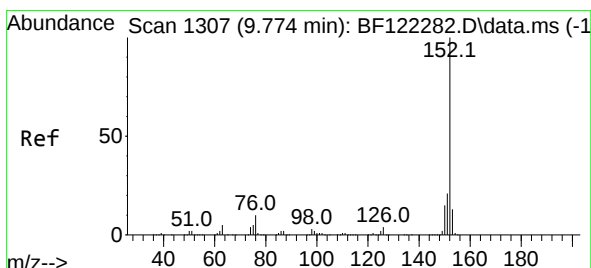
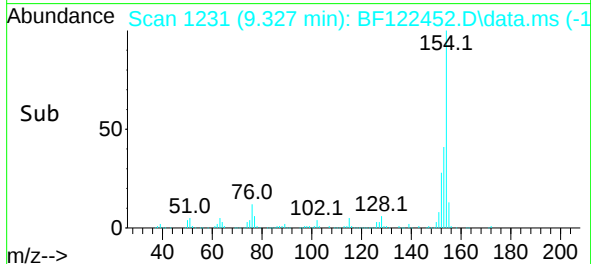
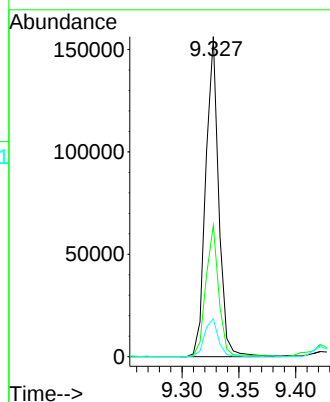
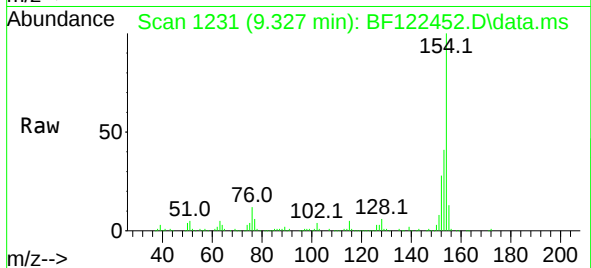
#46
1,1'-Biphenyl
Concen: 4.59 ng
RT: 9.327 min Scan# 1231
Delta R.T. -0.006 min
Lab File: BF122452.D
Acq: 23 Nov 2020 17:49

Tgt Ion:154 Resp: 124040
Ion Ratio Lower Upper
154 100
153 41.0 21.3 61.3
76 11.9 0.0 34.7

Instrument :
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ClientSampled :
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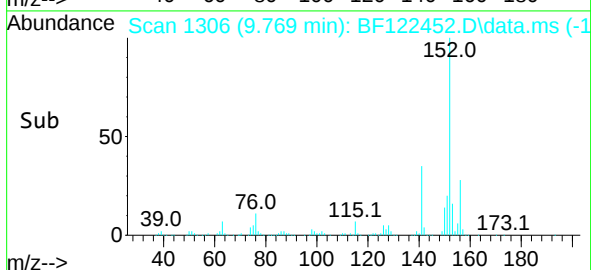
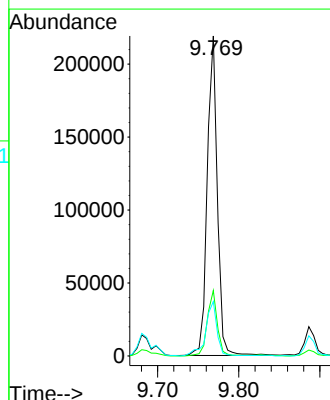
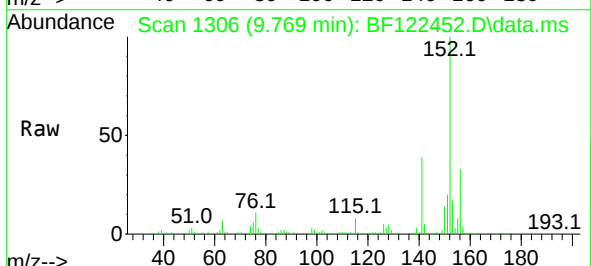
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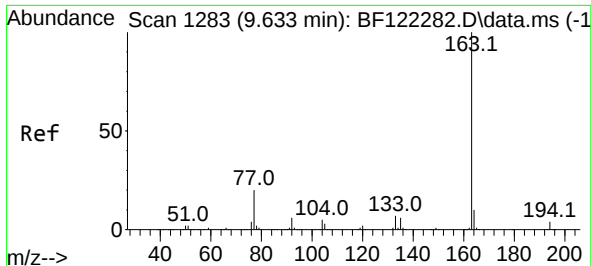
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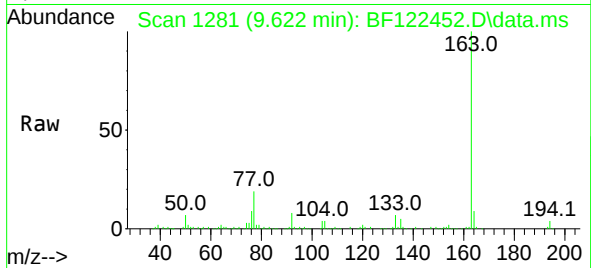
#49
Acenaphthylene
Concen: 5.74 ng
RT: 9.769 min Scan# 1306
Delta R.T. -0.006 min
Lab File: BF122452.D
Acq: 23 Nov 2020 17:49

Tgt Ion:152 Resp: 188951
Ion Ratio Lower Upper
152 100
151 20.4 16.4 24.6
153 17.0 10.6 15.8#

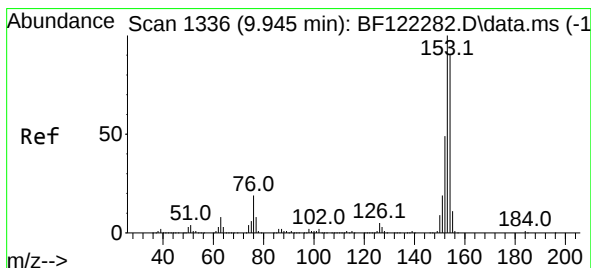
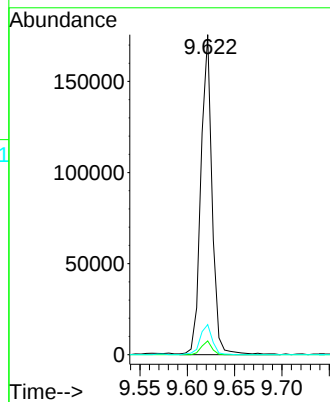
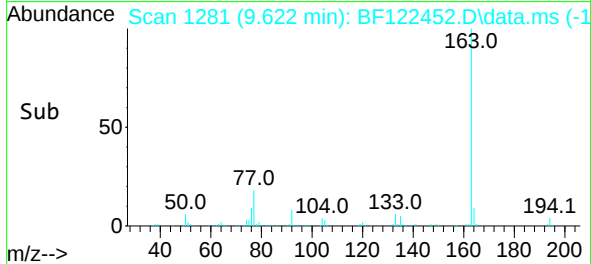




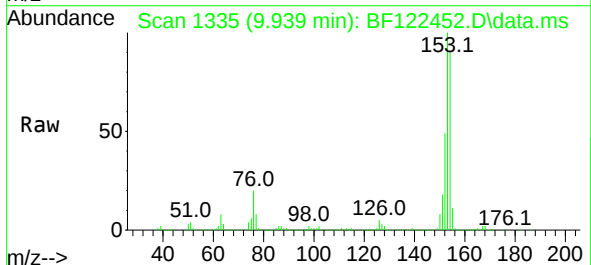
#50
Dimethylphthalate
Concen: 6.00 ng
RT: 9.622 min Scan# 1281
Delta R.T. -0.018 min
Lab File: BF122452.D
Acq: 23 Nov 2020 17:49



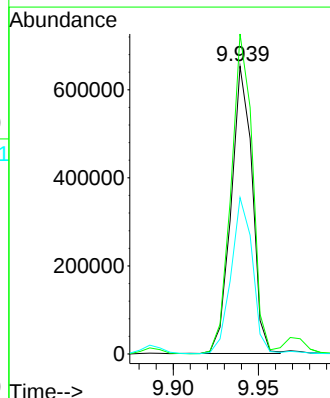
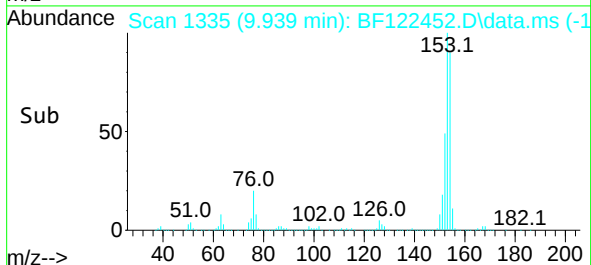
Tgt Ion:163 Resp: 144567
Ion Ratio Lower Upper
163 100
194 4.3 3.3 4.9
164 9.4 8.2 12.4



#52
Acenaphthene
Concen: 27.54 ng
RT: 9.939 min Scan# 1335
Delta R.T. -0.012 min
Lab File: BF122452.D
Acq: 23 Nov 2020 17:49



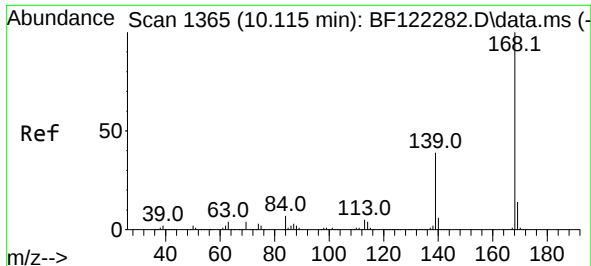
Tgt Ion:154 Resp: 561521
Ion Ratio Lower Upper
154 100
153 111.2 89.8 134.8
152 54.3 43.2 64.8



Instrument :
BNA_F
ClientSampled :
SB-06

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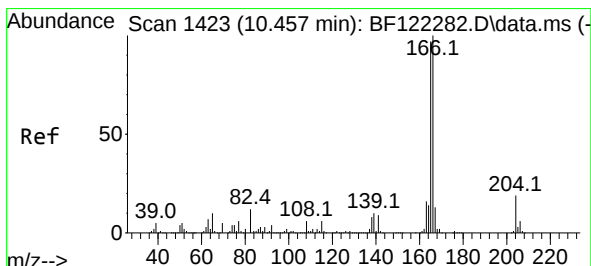
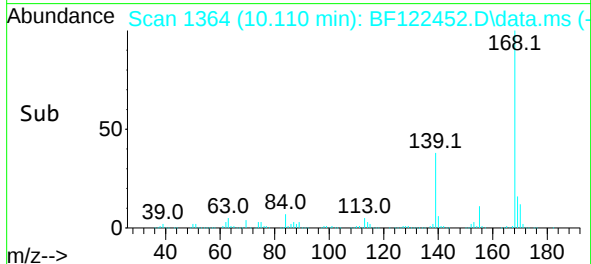
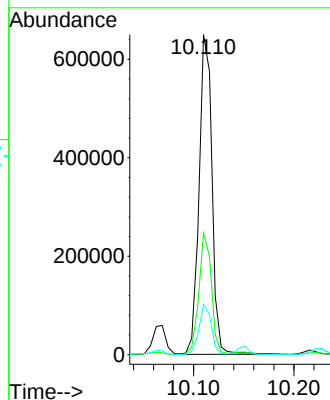
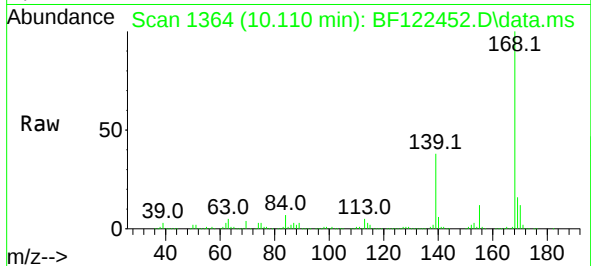
#55
Dibenzenofuran
Concen: 19.49 ng
RT: 10.110 min Scan# 1364
Delta R.T. -0.012 min
Lab File: BF122452.D
Acq: 23 Nov 2020 17:49

Tgt Ion:168 Resp: 582252
Ion Ratio Lower Upper
168 100
139 38.1 31.0 46.6
169 15.7 11.3 16.9

Instrument :
BNA_F
ClientSampled :
SB-06

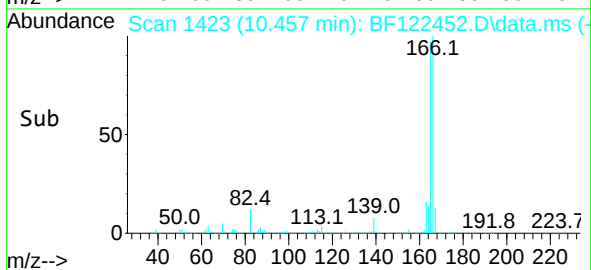
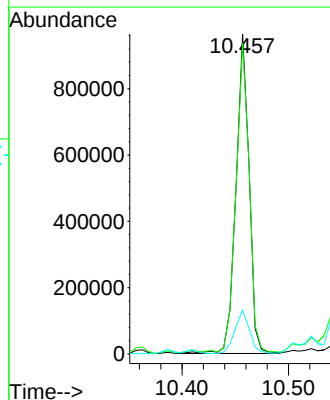
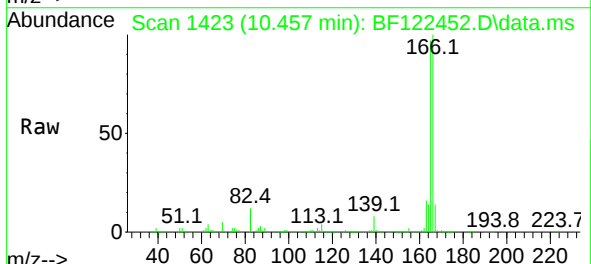
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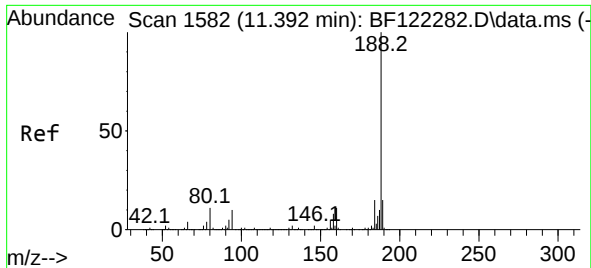
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#58
Fluorene
Concen: 36.12 ng
RT: 10.457 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF122452.D
Acq: 23 Nov 2020 17:49

Tgt Ion:166 Resp: 826031
Ion Ratio Lower Upper
166 100
165 97.1 79.1 118.7
167 13.7 11.0 16.6





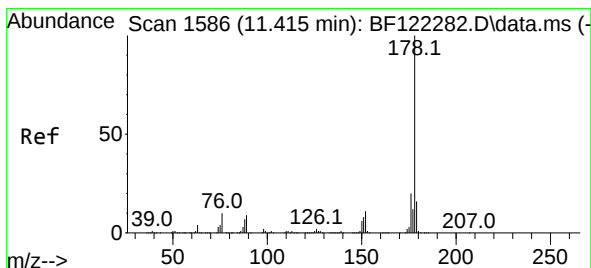
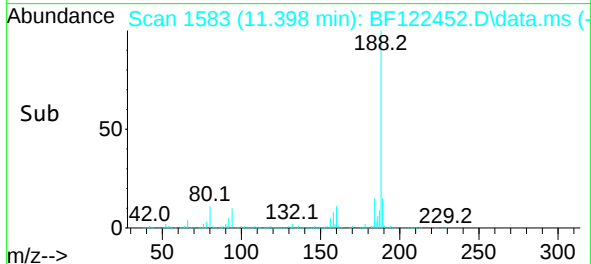
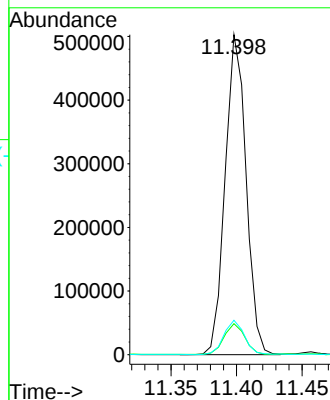
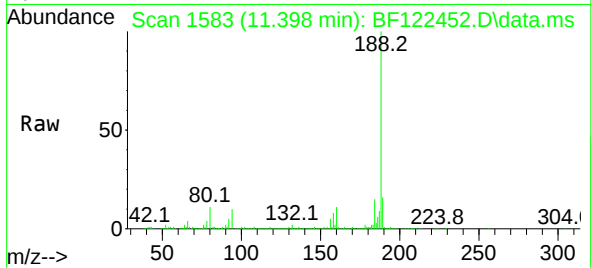
#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 11.398 min Scan# 1583
Delta R.T. -0.006 min
Lab File: BF122452.D
Acq: 23 Nov 2020 17:49

Tgt Ion:188 Resp: 557956
Ion Ratio Lower Upper
188 100
94 9.7 8.3 12.5
80 10.7 9.1 13.7

Instrument :
BNA_F
ClientSampled :
SB-06

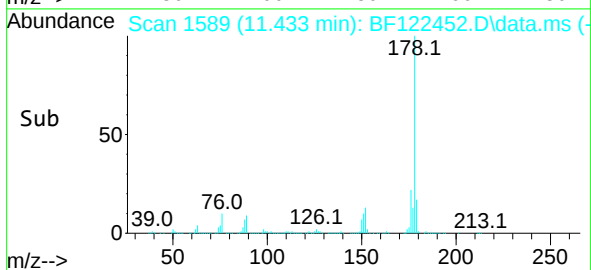
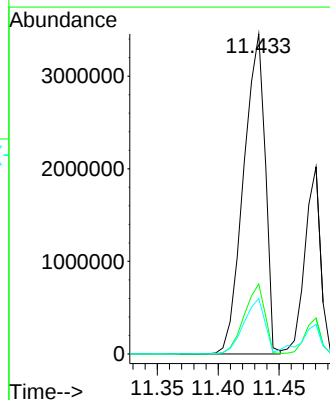
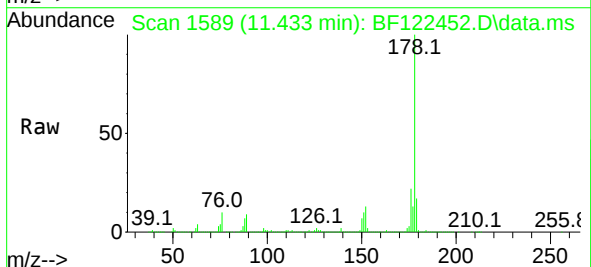
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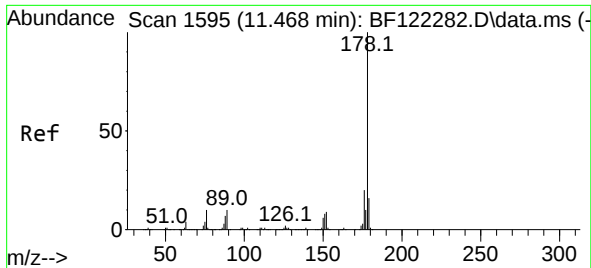
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#71
Phenanthrene
Concen: 134.51 ng
RT: 11.433 min Scan# 1589
Delta R.T. 0.006 min
Lab File: BF122452.D
Acq: 23 Nov 2020 17:49

Tgt Ion:178 Resp: 4258090
Ion Ratio Lower Upper
178 100
176 21.8 15.9 23.9
179 17.3 12.2 18.4





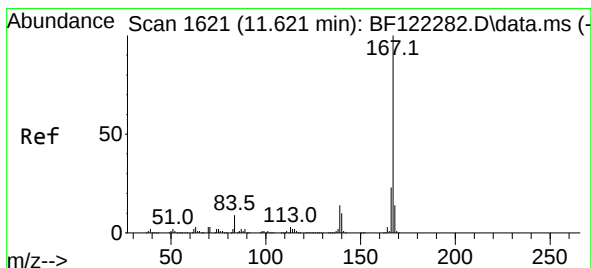
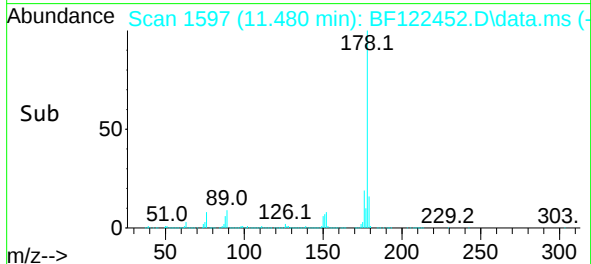
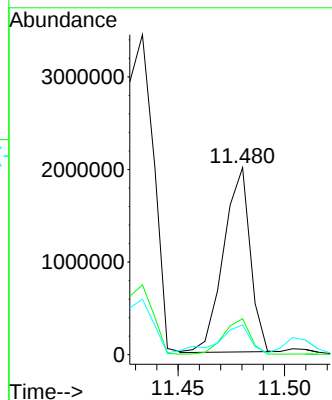
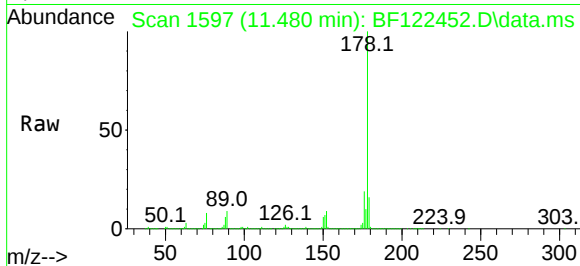
#72
 Anthracene
 Concen: 53.22 ng
 RT: 11.480 min Scan# 1597
 Delta R.T. -0.000 min
 Lab File: BF122452.D
 Acq: 23 Nov 2020 17:49

Tgt Ion:178 Resp: 1736479
 Ion Ratio Lower Upper
 178 100
 176 19.2 15.7 23.5
 179 15.9 12.7 19.1

Instrument :
 BNA_F
 ClientSampleId :
 SB-06

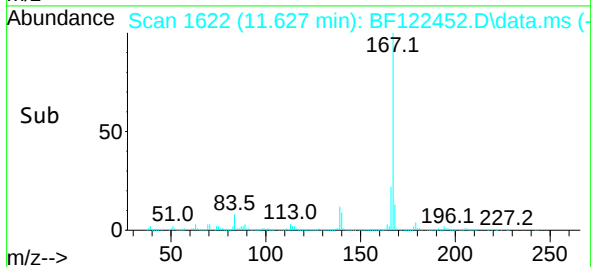
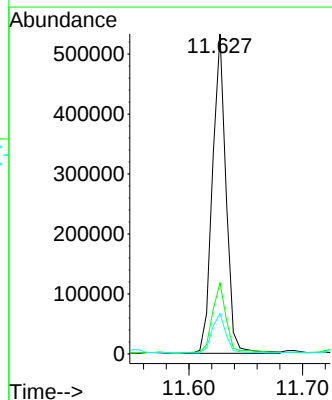
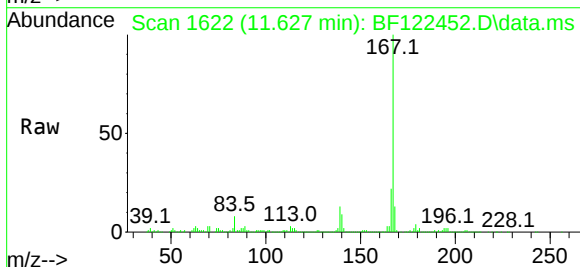
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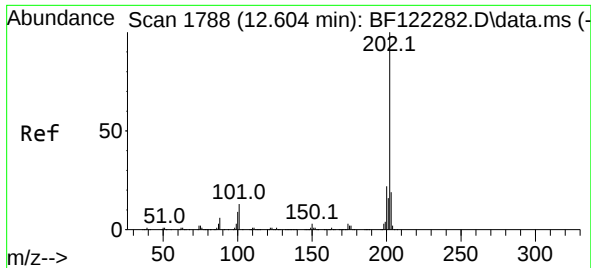
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#73
 Carbazole
 Concen: 14.84 ng
 RT: 11.627 min Scan# 1622
 Delta R.T. -0.006 min
 Lab File: BF122452.D
 Acq: 23 Nov 2020 17:49

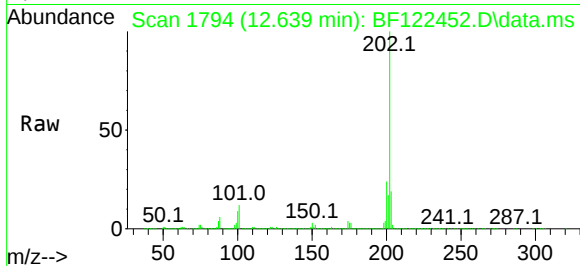
Tgt Ion:167 Resp: 440399
 Ion Ratio Lower Upper
 167 100
 166 22.2 17.8 26.6
 139 12.6 10.8 16.2





#75
Fluoranthene
Concen: 113.54 ng
RT: 12.639 min Scan# 1794
Delta R.T. 0.018 min
Lab File: BF122452.D
Acq: 23 Nov 2020 17:49

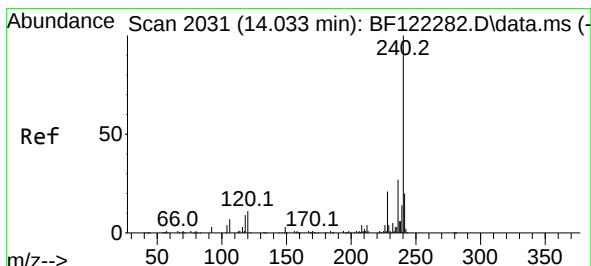
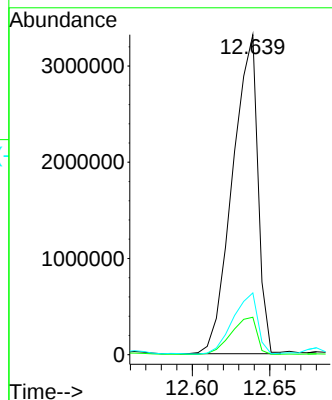
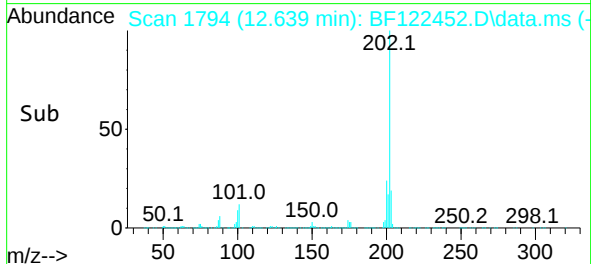
Instrument :
BNA_F
ClientSampled :
SB-06



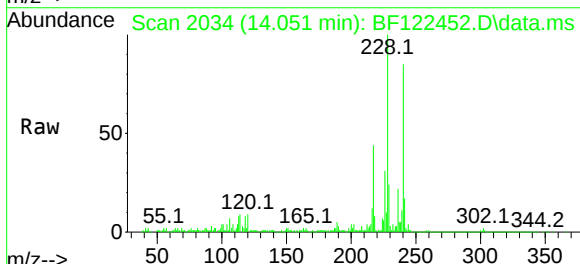
Tgt Ion:202 Resp: 3752536
Ion Ratio Lower Upper
202 100
101 11.7 0.0 33.4
203 19.3 0.0 37.9

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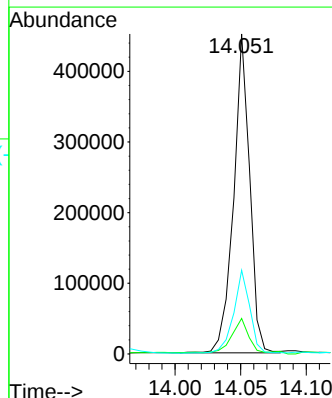
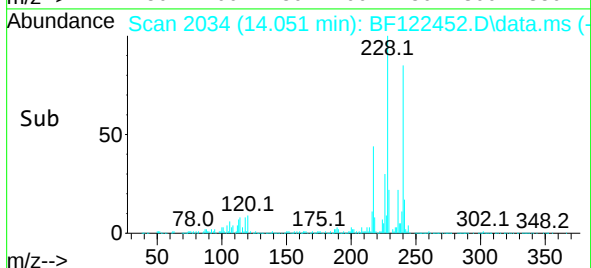
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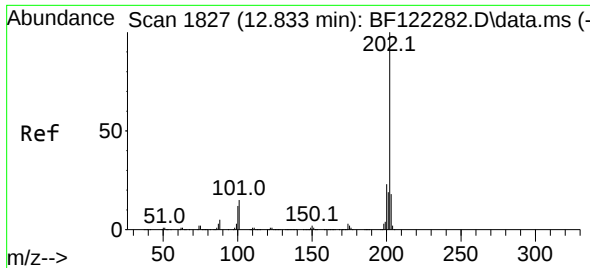


#76
Chrysene-d12
Concen: 20.00 ng
RT: 14.051 min Scan# 2034
Delta R.T. -0.000 min
Lab File: BF122452.D
Acq: 23 Nov 2020 17:49

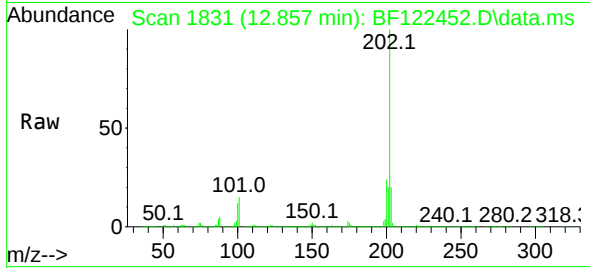


Tgt Ion:240 Resp: 385808
Ion Ratio Lower Upper
240 100
120 11.1 9.2 13.8
236 26.2 20.9 31.3

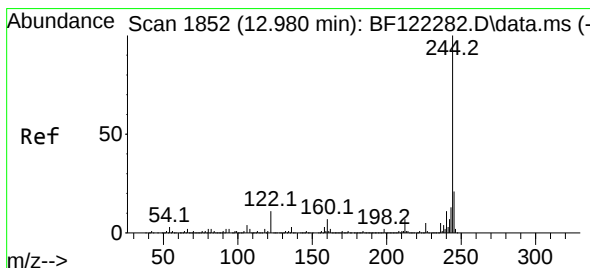
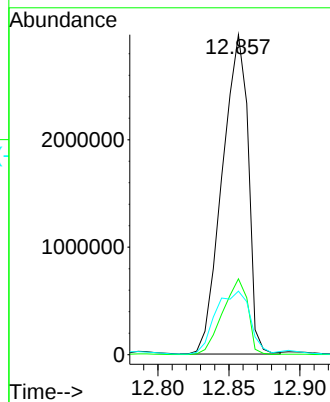
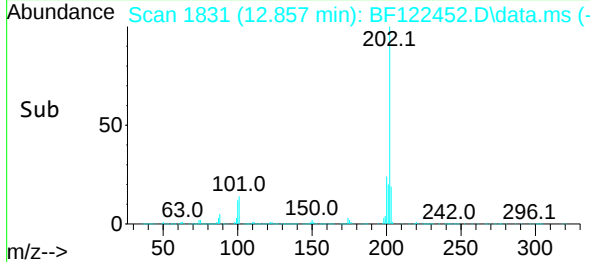




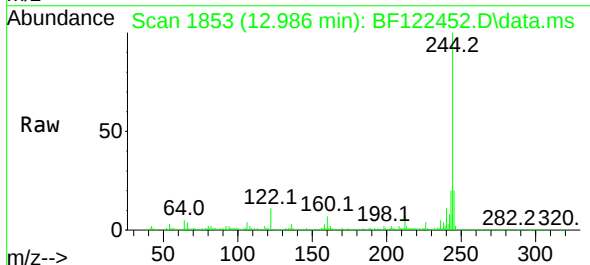
#78
Pyrene
Concen: 139.39 ng
RT: 12.857 min Scan# 1831
Delta R.T. 0.006 min
Lab File: BF122452.D
Acq: 23 Nov 2020 17:49



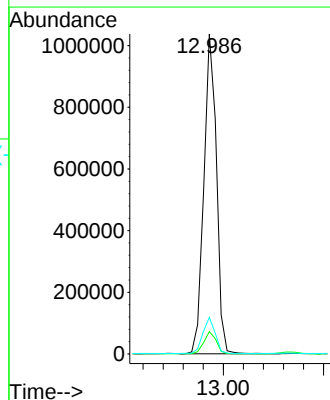
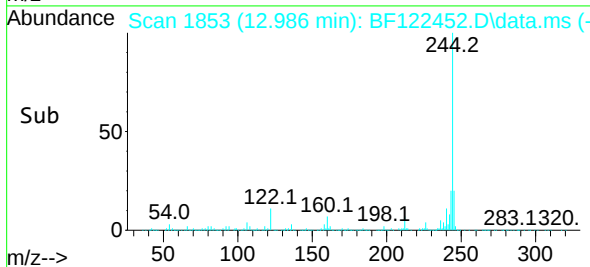
Tgt Ion:202 Resp: 3778203
Ion Ratio Lower Upper
202 100
200 23.7 17.4 26.2
203 19.9 14.6 21.8



#79
Terphenyl-d14
Concen: 49.89 ng
RT: 12.986 min Scan# 1853
Delta R.T. -0.006 min
Lab File: BF122452.D
Acq: 23 Nov 2020 17:49



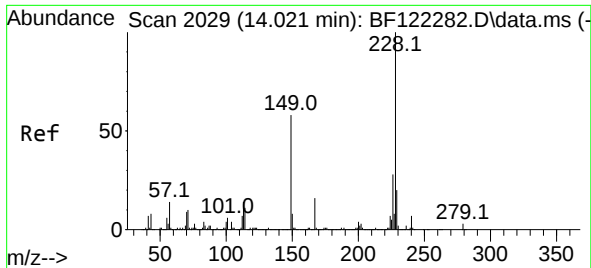
Tgt Ion:244 Resp: 908625
Ion Ratio Lower Upper
244 100
212 7.0 5.4 8.2
122 11.4 8.1 12.1



Instrument :
BNA_F
ClientSampleId :
SB-06

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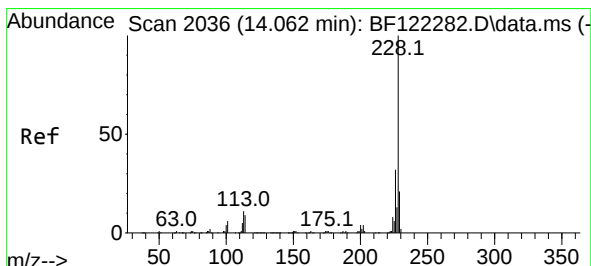
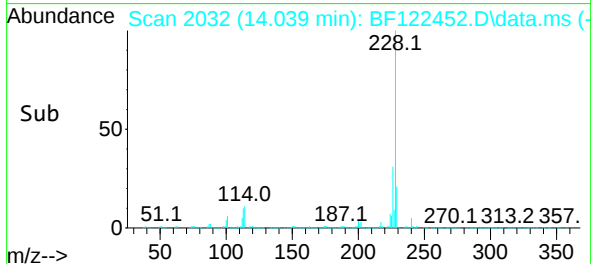
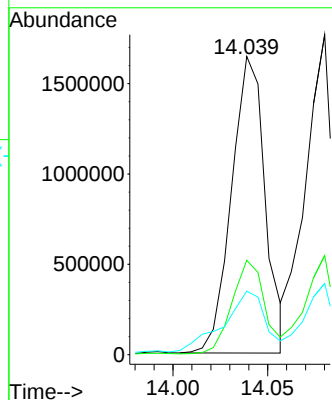
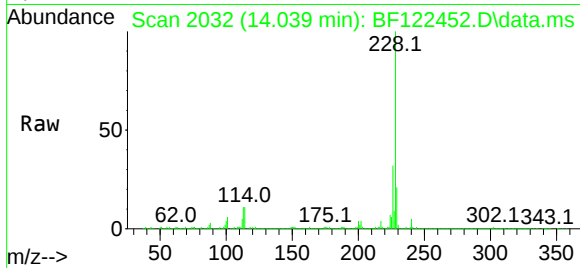
#81
Benzo(a)anthracene
Concen: 84.47 ng
RT: 14.039 min Scan# 2032
Delta R.T. -0.000 min
Lab File: BF122452.D
Acq: 23 Nov 2020 17:49

Tgt Ion:228 Resp: 2026699
Ion Ratio Lower Upper
228 100
226 31.7 22.3 33.5
229 21.3 16.2 24.4

Instrument :
BNA_F
ClientSampleId :
SB-06

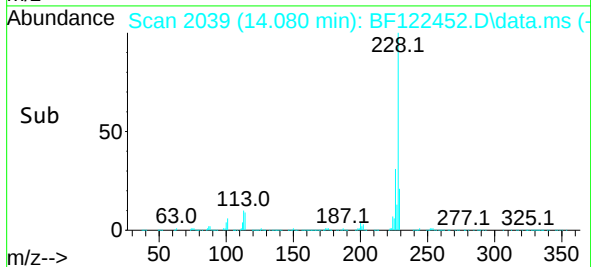
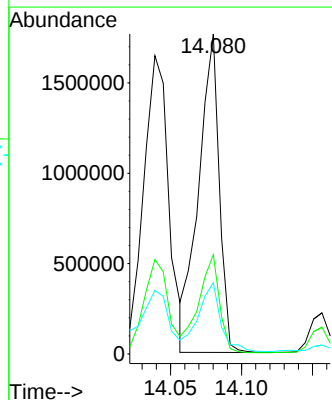
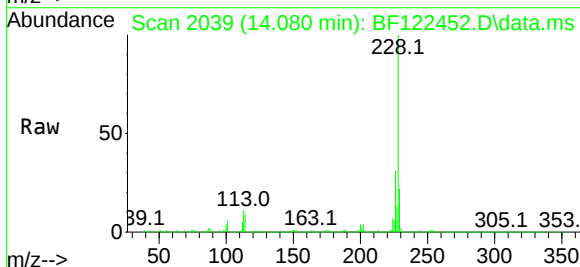
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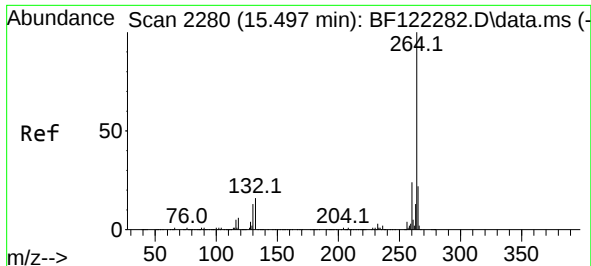
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#83
Chrysene
Concen: 73.65 ng
RT: 14.080 min Scan# 2039
Delta R.T. -0.000 min
Lab File: BF122452.D
Acq: 23 Nov 2020 17:49

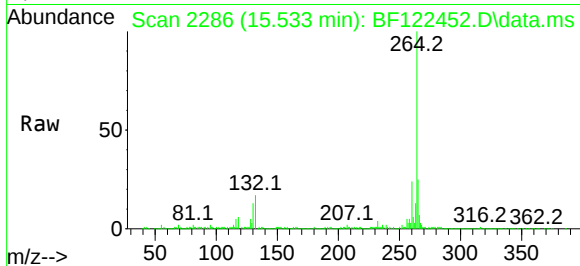
Tgt Ion:228 Resp: 1779915
Ion Ratio Lower Upper
228 100
226 31.0 24.6 37.0
229 22.3 15.9 23.9





#86
Perylene-d12
Concen: 20.00 ng
RT: 15.533 min Scan# 2286
Delta R.T. -0.000 min
Lab File: BF122452.D
Acq: 23 Nov 2020 17:49

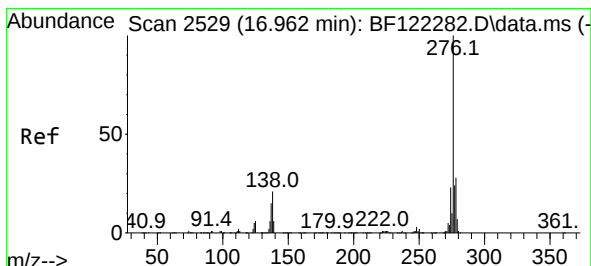
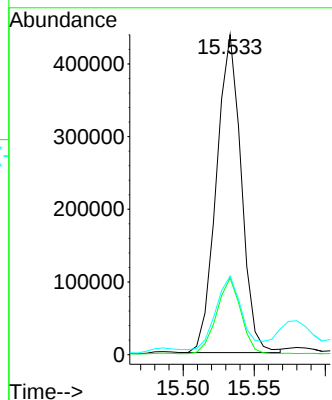
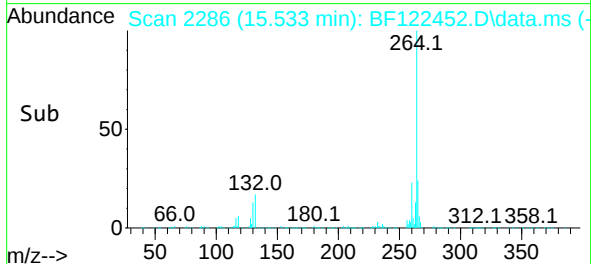
Instrument :
BNA_F
ClientSampled :
SB-06



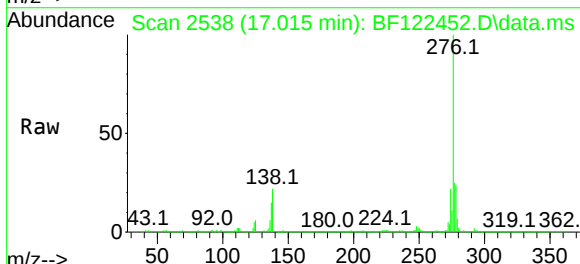
Tgt Ion:264 Resp: 530973
Ion Ratio Lower Upper
264 100
260 23.9 18.7 28.1
265 24.6 17.3 25.9

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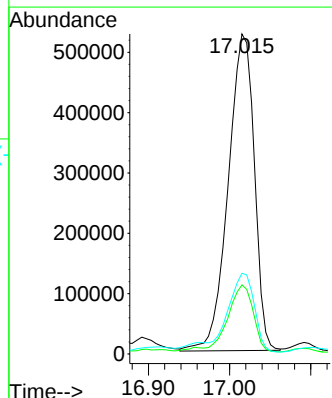
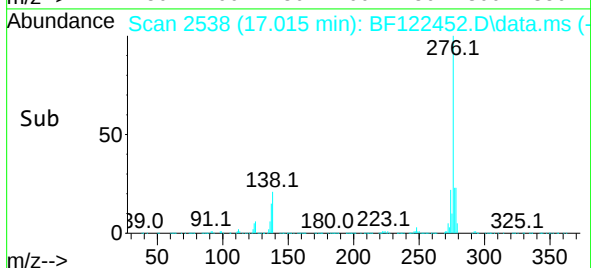
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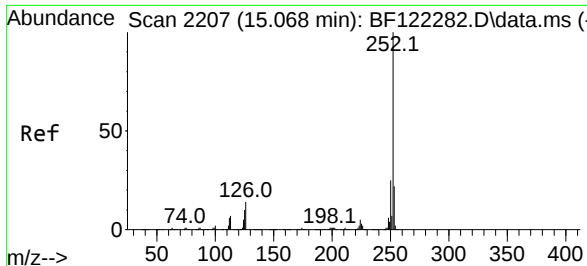


#87
Indeno(1,2,3-cd)pyrene
Concen: 36.80 ng
RT: 17.015 min Scan# 2538
Delta R.T. -0.006 min
Lab File: BF122452.D
Acq: 23 Nov 2020 17:49

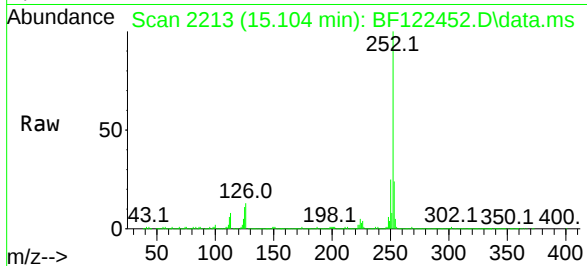


Tgt Ion:276 Resp: 1172491
Ion Ratio Lower Upper
276 100
138 21.3 19.9 29.9
277 27.4 20.4 30.6

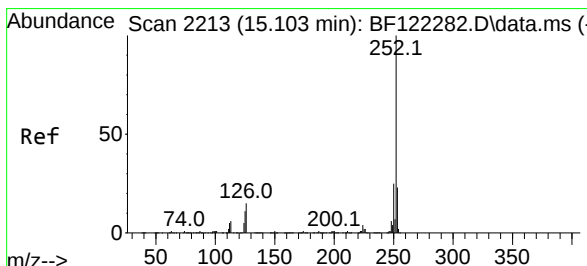
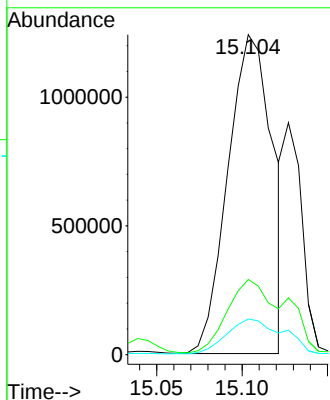
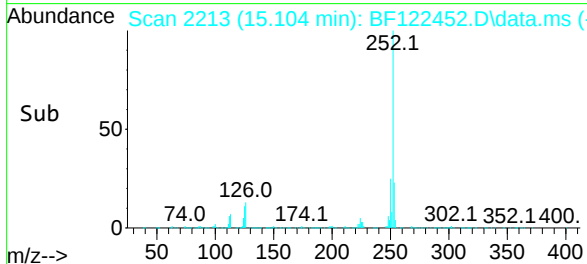




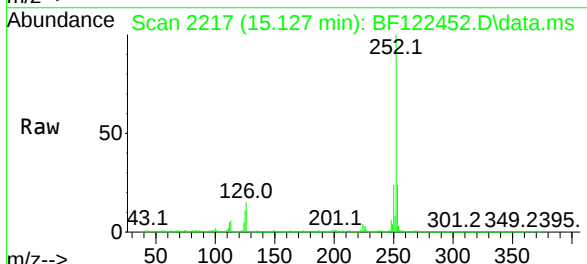
#88
Benzo(b)fluoranthene
Concen: 65.14 ng m
RT: 15.104 min Scan# 2213
Delta R.T. 0.006 min
Lab File: BF122452.D
Acq: 23 Nov 2020 17:49



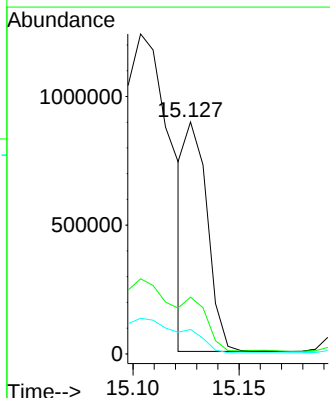
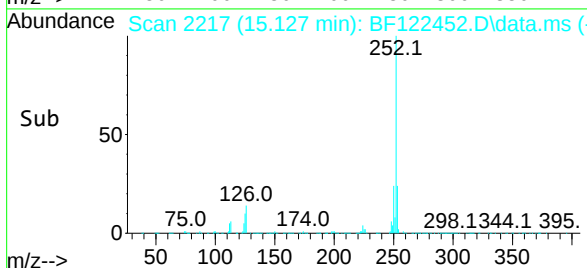
Tgt Ion:252 Resp: 2239946
Ion Ratio Lower Upper
252 100
253 23.5 18.2 27.2
125 11.2 8.0 12.0



#89
Benzo(k)fluoranthene
Concen: 19.27 ng m
RT: 15.127 min Scan# 2217
Delta R.T. -0.006 min
Lab File: BF122452.D
Acq: 23 Nov 2020 17:49



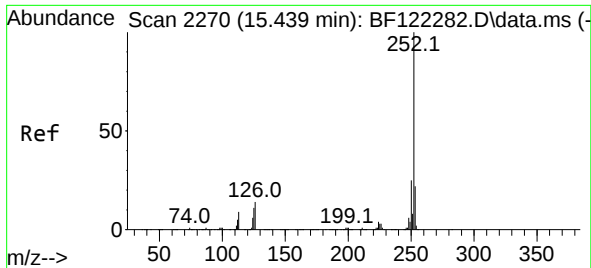
Tgt Ion:252 Resp: 646002
Ion Ratio Lower Upper
252 100
253 24.5 17.8 26.6
125 10.5 7.7 11.5



Instrument :
BNA_F
ClientSampleId :
SB-06

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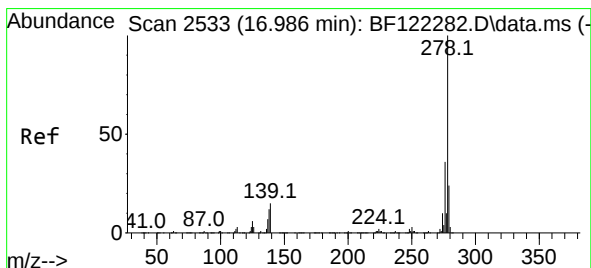
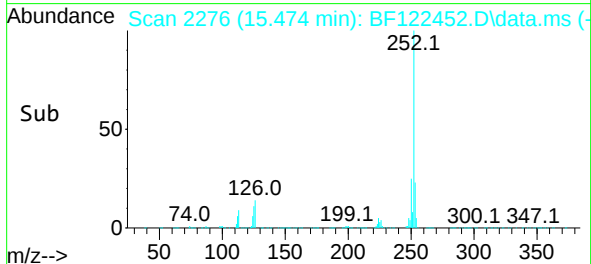
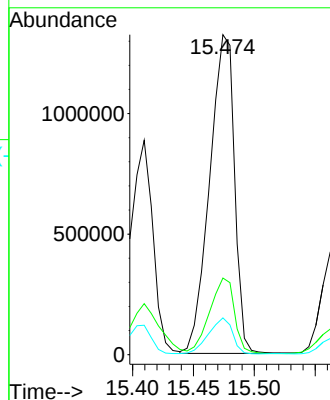
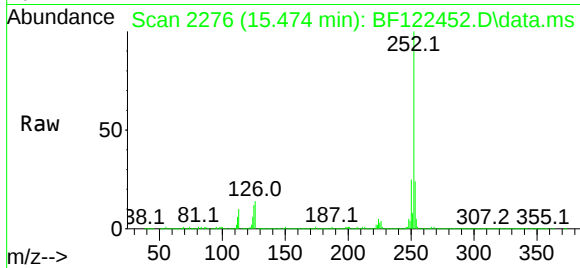
#90
Benzo(a)pyrene
Concen: 62.75 ng
RT: 15.474 min Scan# 2276
Delta R.T. -0.000 min
Lab File: BF122452.D
Acq: 23 Nov 2020 17:49

Tgt Ion:252 Resp: 1881140
Ion Ratio Lower Upper
252 100
253 23.9 17.3 25.9
125 11.5 8.6 13.0

Instrument :
BNA_F
ClientSampled :
SB-06

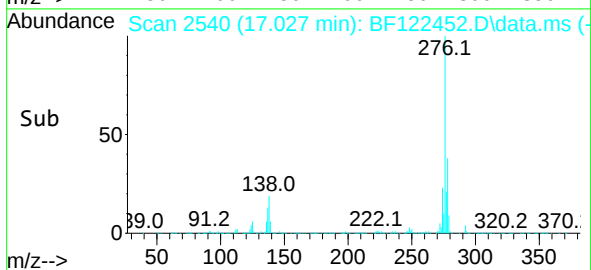
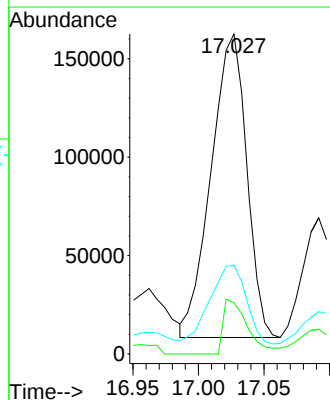
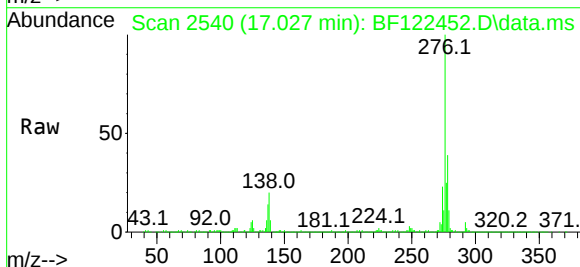
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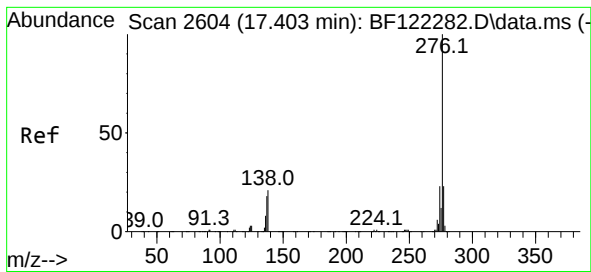
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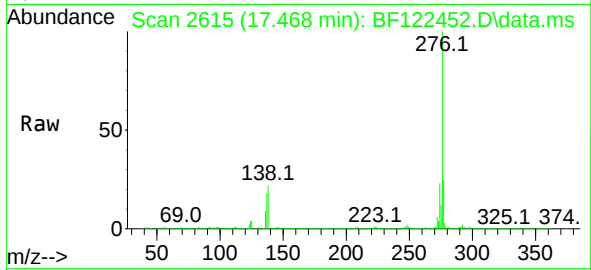
#91
Dibenzo(a,h)anthracene
Concen: 10.90 ng
RT: 17.027 min Scan# 2540
Delta R.T. -0.012 min
Lab File: BF122452.D
Acq: 23 Nov 2020 17:49

Tgt Ion:278 Resp: 290918
Ion Ratio Lower Upper
278 100
139 16.0 13.0 19.4
279 27.8 19.0 28.4



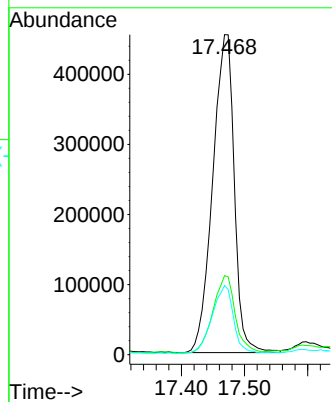
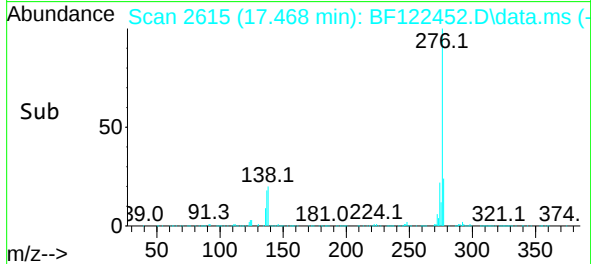


#92
 Benzo(g,h,i)perylene
 Concen: 41.45 ng
 RT: 17.468 min Scan# 2615
 Delta R.T. -0.000 min
 Lab File: BF122452.D
 Acq: 23 Nov 2020 17:49



Tgt Ion: 276 Resp: 1075574

Ion	Ratio	Lower	Upper
276	100		
277	24.7	19.4	29.2
138	21.6	17.8	26.6



Instrument :
 BNA_F
 ClientSampleId :
 SB-06

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