

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121823\
 Data File : BG060077.D
 Acq On : 18 Dec 2023 22:17
 Operator : MA/JU
 Sample : 05612-07DL 10X
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DUP-01DL

Quant Time: Dec 19 04:42:44 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 19 04:37:23 2023
 Response via : Initial Calibration

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

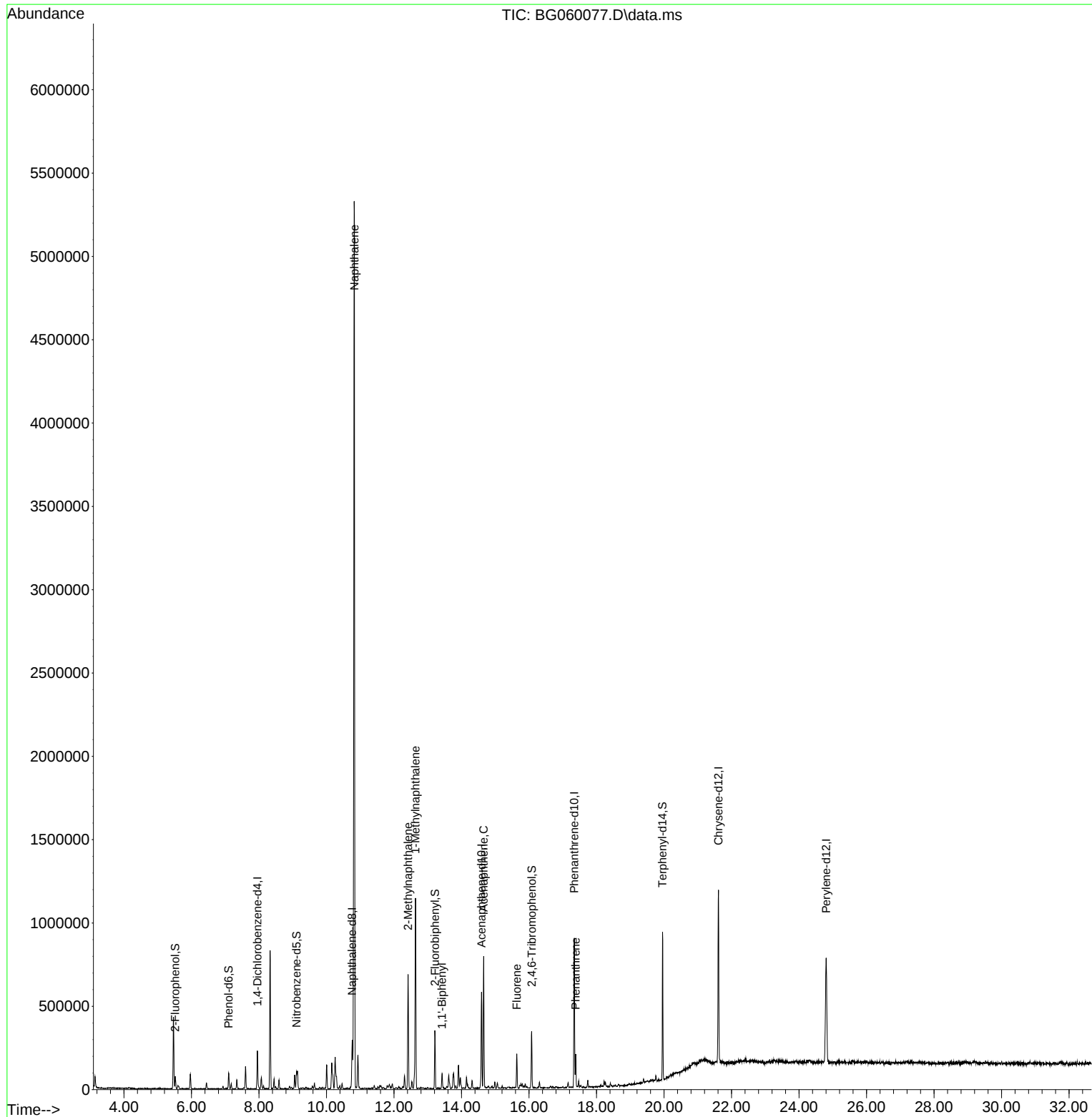
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.952	152	59917	20.000	ng	0.00
21) Naphthalene-d8	10.761	136	233247	20.000	ng	# 0.00
39) Acenaphthene-d10	14.592	164	206332	20.000	ng	0.00
64) Phenanthrene-d10	17.341	188	625509	20.000	ng	# 0.00
76) Chrysene-d12	21.613	240	693859	20.000	ng	# 0.00
86) Perylene-d12	24.803	264	796898	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.520	112	26318	7.519	ng	0.00
7) Phenol-d6	7.100	99	23601	4.794	ng	-0.01
23) Nitrobenzene-d5	9.110	82	52305	10.183	ng	-0.01
42) 2,4,6-Tribromophenol	16.078	330	85425	17.765	ng	0.00
45) 2-Fluorobiphenyl	13.211	172	190655	11.309	ng	0.00
79) Terphenyl-d14	19.956	244	504933	13.286	ng	-0.01
Target Compounds						
						Qvalue
31) Naphthalene	10.825	128	3939124	324.412	ng	96
37) 2-Methylnaphthalene	12.418	142	290200	30.472	ng	97
38) 1-Methylnaphthalene	12.635	142	500021	53.153	ng	98
46) 1,1'-Biphenyl	13.422	154	45893	2.999	ng	96
52) Acenaphthene	14.656	154	276536	22.162	ng	98
58) Fluorene	15.637	166	88023	5.140	ng	95
71) Phenanthrene	17.382	178	134499	4.439	ng	97

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

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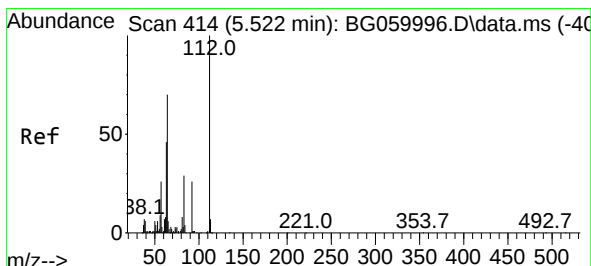
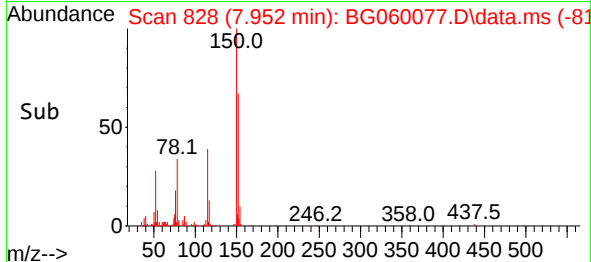
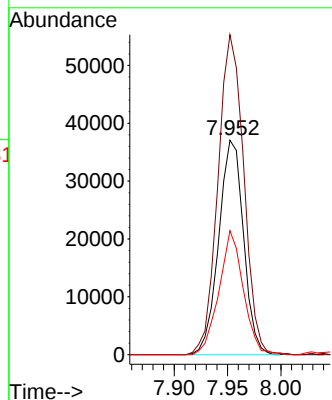
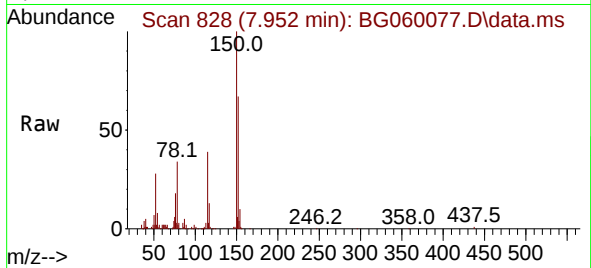




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.952 min Scan# 81
Delta R.T. -0.007 min
Lab File: BG060077.D
Acq: 18 Dec 2023 22:17

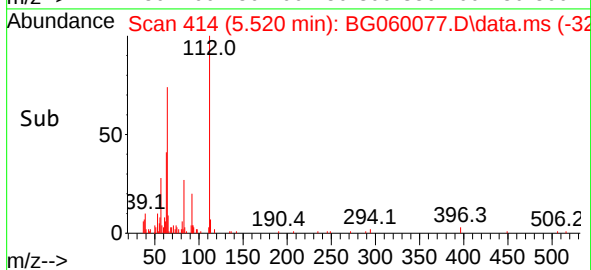
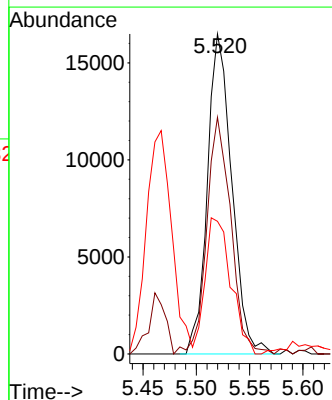
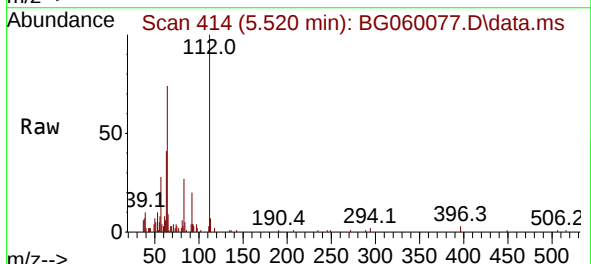
Instrument :
BNA_G
ClientSampleId :
DUP-01DL

Tgt Ion:152 Resp: 59917
Ion Ratio Lower Upper
152 100
150 149.3 127.0 190.6
115 57.8 45.7 68.5



#5
2-Fluorophenol
Concen: 7.519 ng
RT: 5.520 min Scan# 414
Delta R.T. -0.006 min
Lab File: BG060077.D
Acq: 18 Dec 2023 22:17

Tgt Ion:112 Resp: 26318
Ion Ratio Lower Upper
112 100
64 73.9 55.9 83.9
63 41.5 36.5 54.7

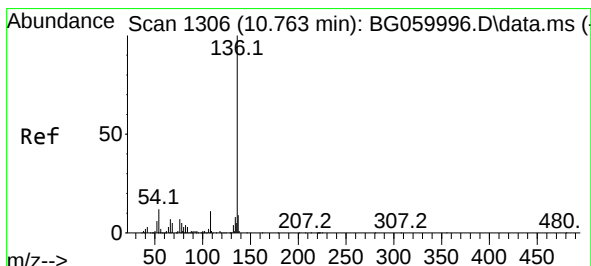
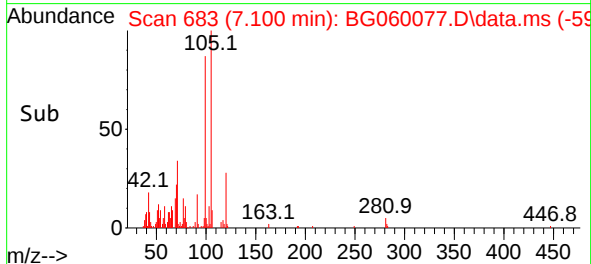
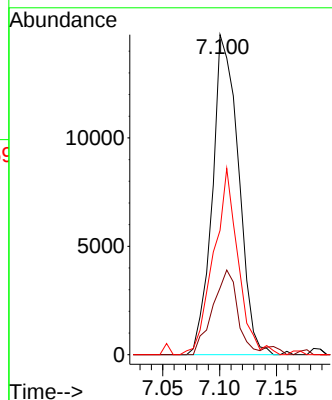
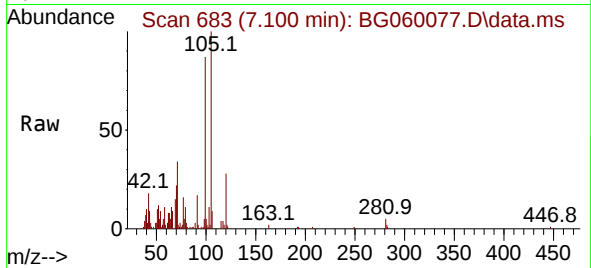




#7
Phenol-d6
Concen: 4.794 ng
RT: 7.100 min Scan# 61
Delta R.T. -0.012 min
Lab File: BG060077.D
Acq: 18 Dec 2023 22:17

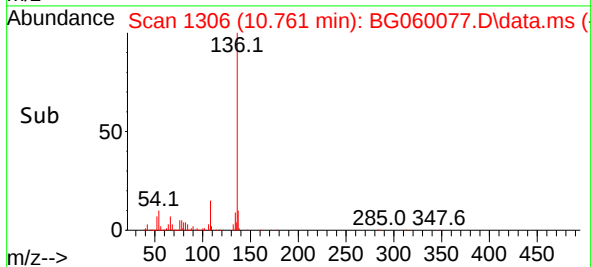
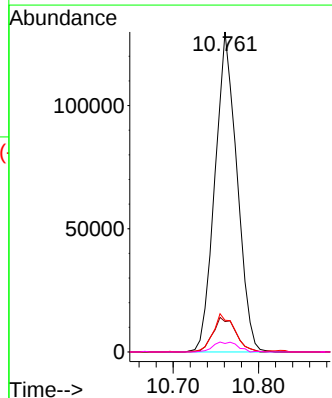
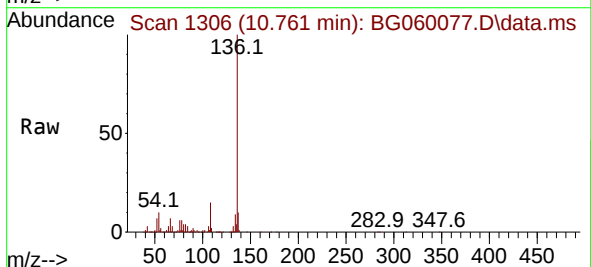
Instrument :
BNA_G
ClientSampleId :
DUP-01DL

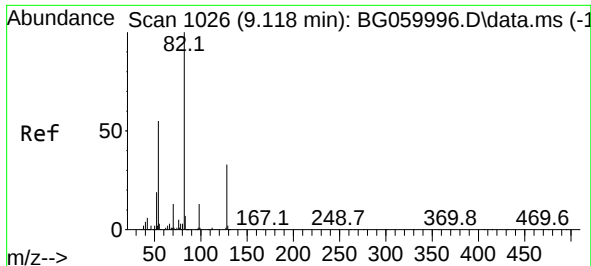
Tgt Ion: 99 Resp: 23601
Ion Ratio Lower Upper
99 100
42 20.9 16.2 24.4
71 38.8 37.6 56.4



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.761 min Scan# 1306
Delta R.T. -0.001 min
Lab File: BG060077.D
Acq: 18 Dec 2023 22:17

Tgt Ion:136 Resp: 233247
Ion Ratio Lower Upper
136 100
137 9.5 7.3 10.9
54 9.9 9.6 14.4
68 2.6 4.1 6.1#





#23

Nitrobenzene-d5

Concen: 10.183 ng

RT: 9.110 min Scan# 1026

Delta R.T. -0.012 min

Lab File: BG060077.D

Acq: 18 Dec 2023 22:17

Instrument :

BNA_G

ClientSampleId :

DUP-01DL

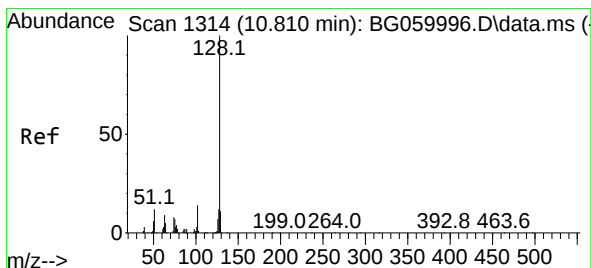
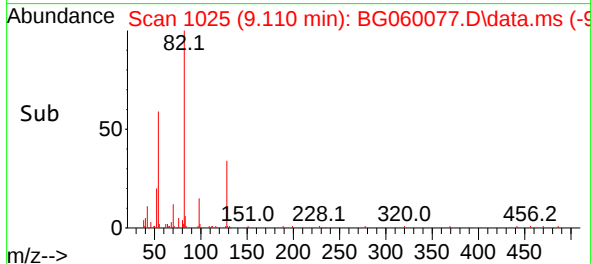
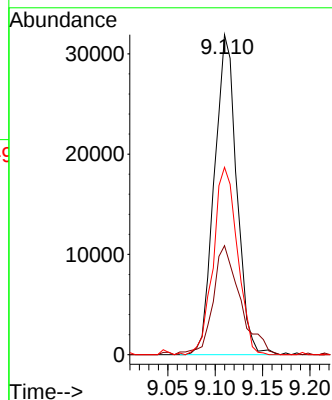
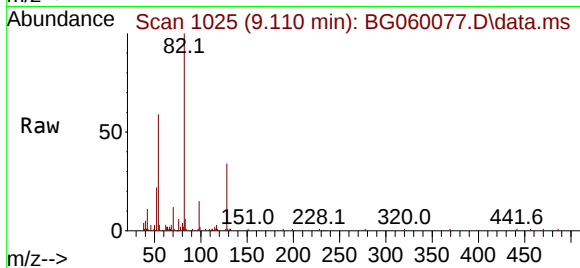
Tgt Ion: 82 Resp: 52305

Ion Ratio Lower Upper

82 100

128 34.0 26.3 39.5

54 58.6 44.3 66.5



#31

Naphthalene

Concen: 324.412 ng

RT: 10.825 min Scan# 1317

Delta R.T. 0.011 min

Lab File: BG060077.D

Acq: 18 Dec 2023 22:17

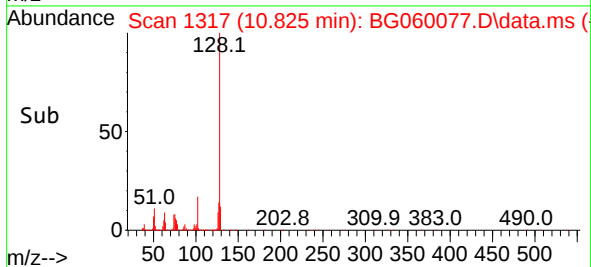
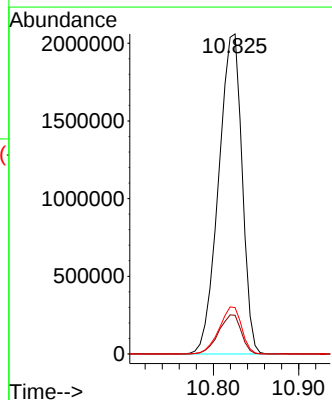
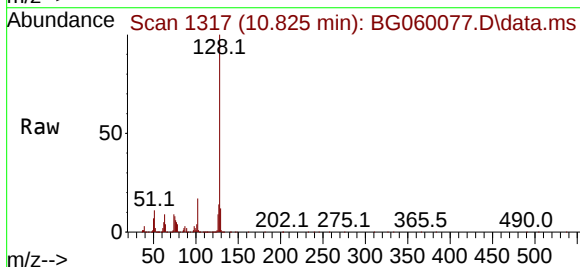
Tgt Ion:128 Resp: 3939124

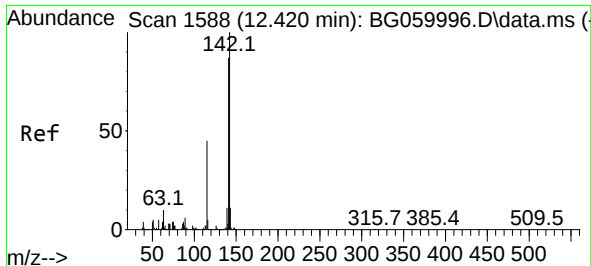
Ion Ratio Lower Upper

128 100

129 12.1 9.2 13.8

127 14.5 9.7 14.5

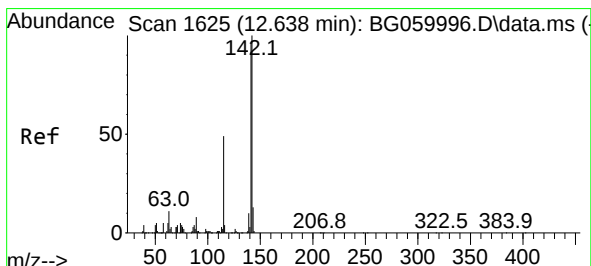
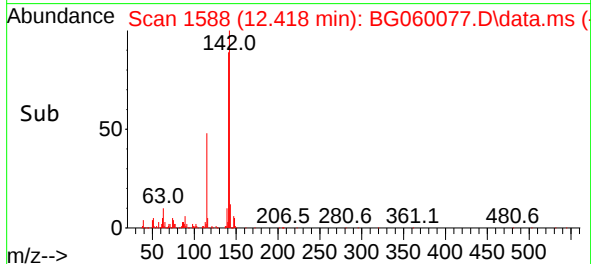
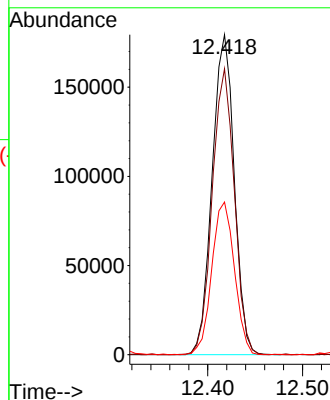
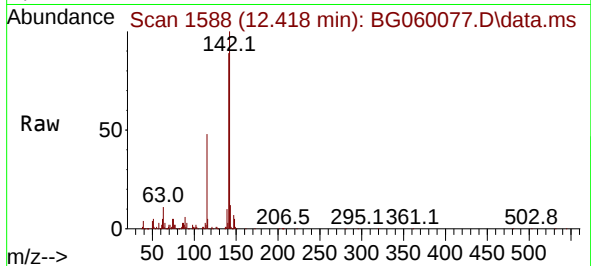




#37
2-Methylnaphthalene
Concen: 30.472 ng
RT: 12.418 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BG060077.D
Acq: 18 Dec 2023 22:17

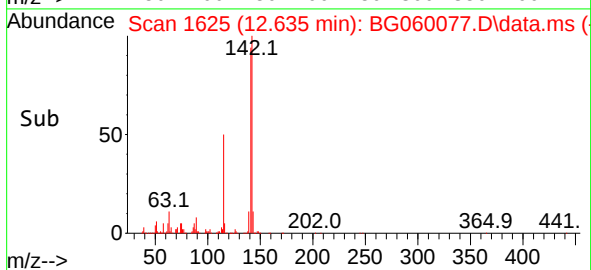
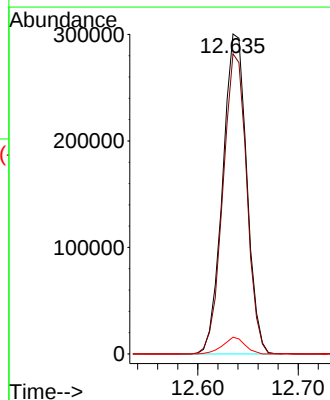
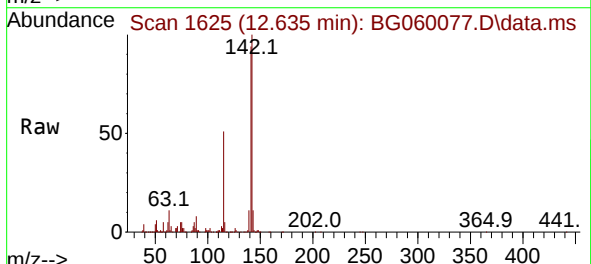
Instrument :
BNA_G
ClientSampleId :
DUP-01DL

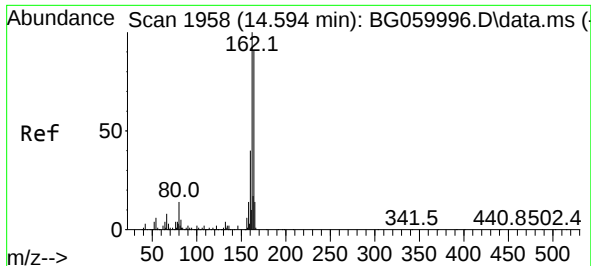
Tgt Ion:142 Resp: 290200
Ion Ratio Lower Upper
142 100
141 89.3 69.9 104.9
115 47.7 36.1 54.1



#38
1-Methylnaphthalene
Concen: 53.153 ng
RT: 12.635 min Scan# 1625
Delta R.T. -0.006 min
Lab File: BG060077.D
Acq: 18 Dec 2023 22:17

Tgt Ion:142 Resp: 500021
Ion Ratio Lower Upper
142 100
141 93.8 76.9 115.3
116 5.2 3.5 5.3

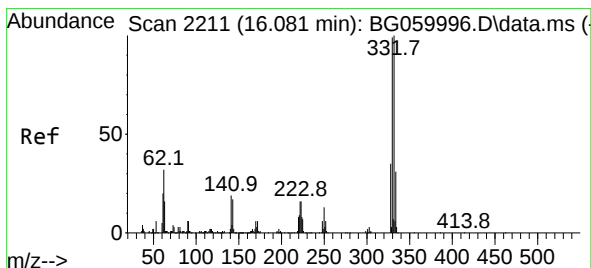
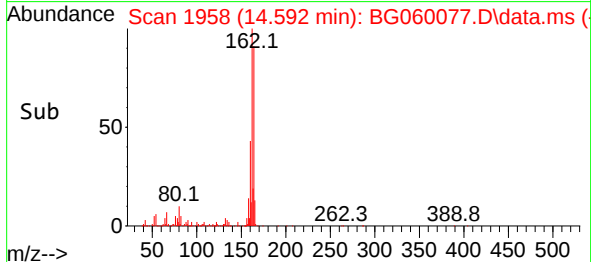
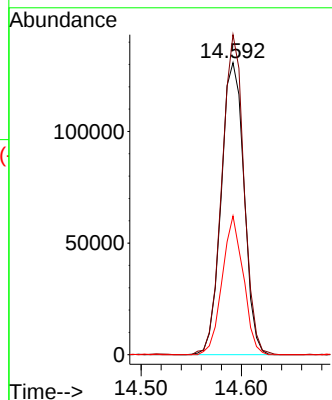
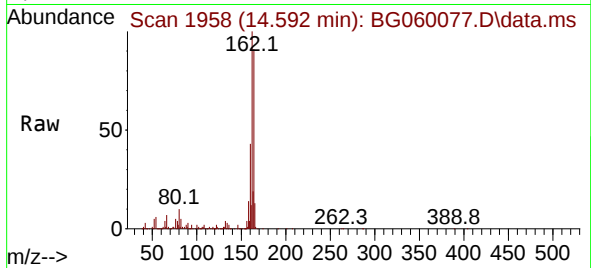




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.592 min Scan# 1958
Delta R.T. -0.006 min
Lab File: BG060077.D
Acq: 18 Dec 2023 22:17

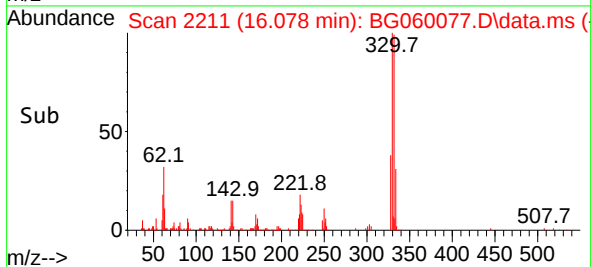
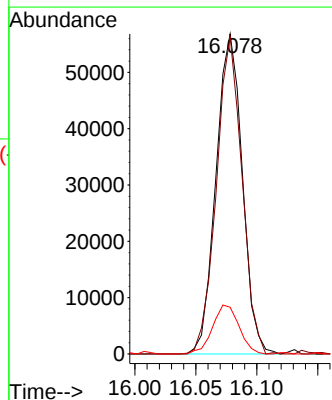
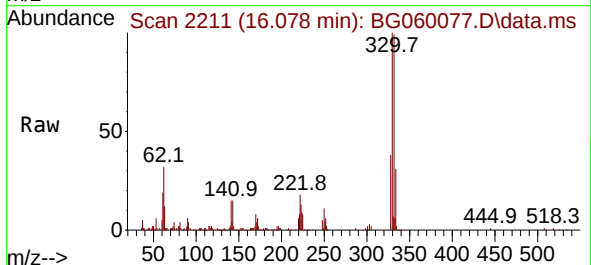
Instrument :
BNA_G
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DUP-01DL

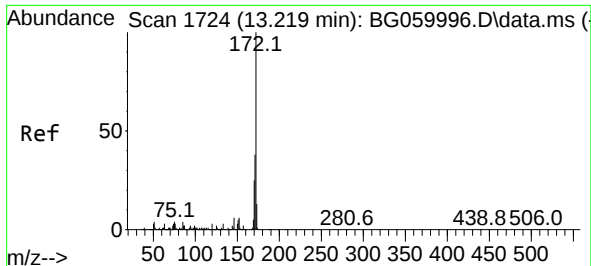
Tgt Ion:164 Resp: 206332
Ion Ratio Lower Upper
164 100
162 109.6 88.1 132.1
160 47.5 35.4 53.0



#42
2,4,6-Tribromophenol
Concen: 17.765 ng
RT: 16.078 min Scan# 2211
Delta R.T. -0.006 min
Lab File: BG060077.D
Acq: 18 Dec 2023 22:17

Tgt Ion:330 Resp: 85425
Ion Ratio Lower Upper
330 100
332 96.0 76.2 114.4
141 15.4 14.3 21.5

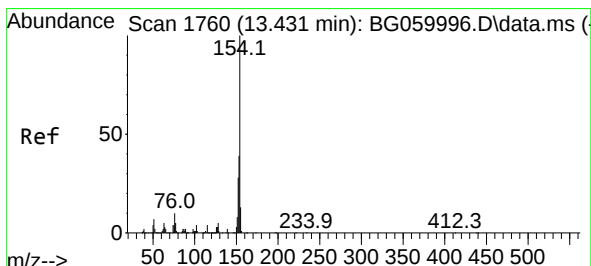
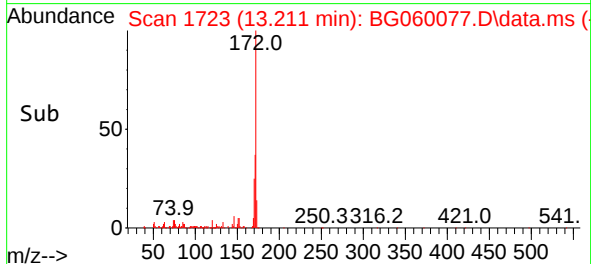
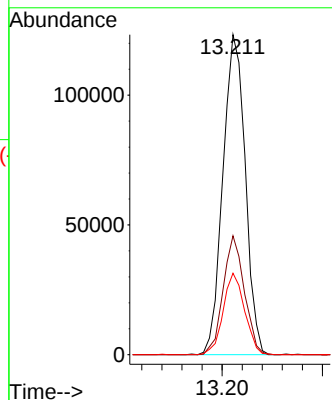
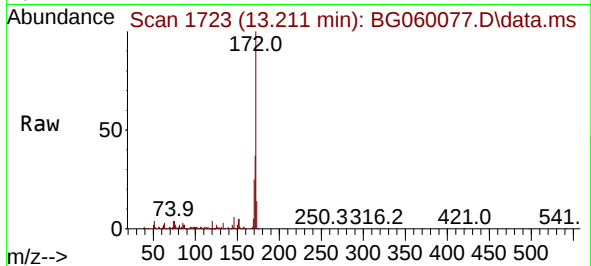




#45
2-Fluorobiphenyl
Concen: 11.309 ng
RT: 13.211 min Scan# 1724
Delta R.T. -0.006 min
Lab File: BG060077.D
Acq: 18 Dec 2023 22:17

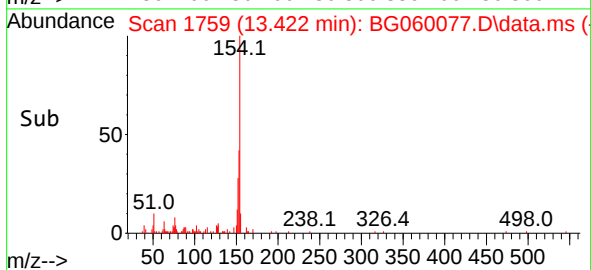
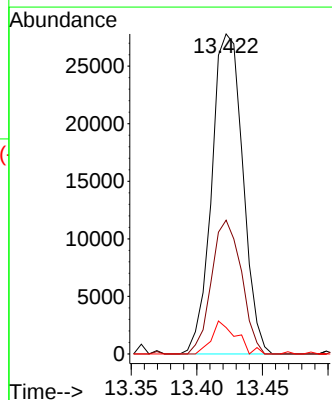
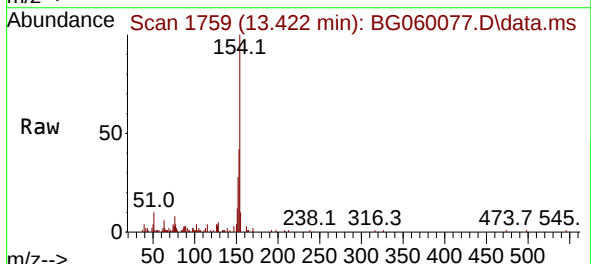
Instrument :
BNA_G
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DUP-01DL

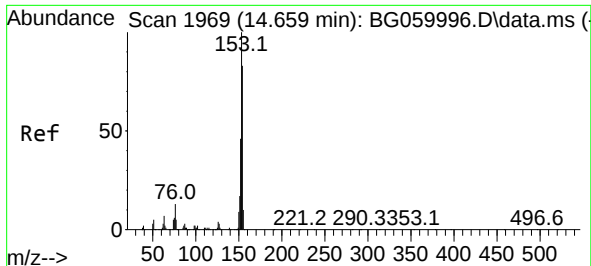
Tgt Ion:172 Resp: 190655
Ion Ratio Lower Upper
172 100
171 37.1 30.1 45.1
170 25.5 20.0 30.0



#46
1,1'-Biphenyl
Concen: 2.999 ng
RT: 13.422 min Scan# 1759
Delta R.T. -0.006 min
Lab File: BG060077.D
Acq: 18 Dec 2023 22:17

Tgt Ion:154 Resp: 45893
Ion Ratio Lower Upper
154 100
153 41.8 19.2 59.2
76 8.2 0.0 29.9

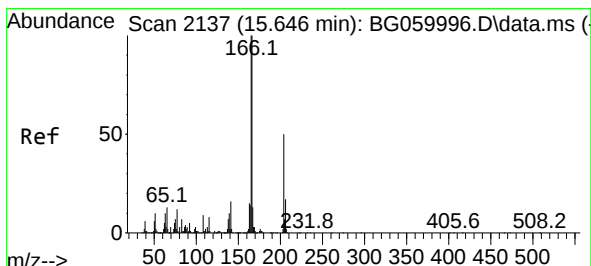
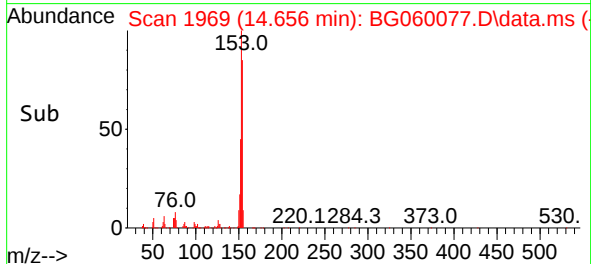
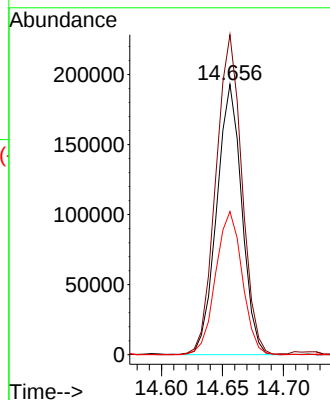
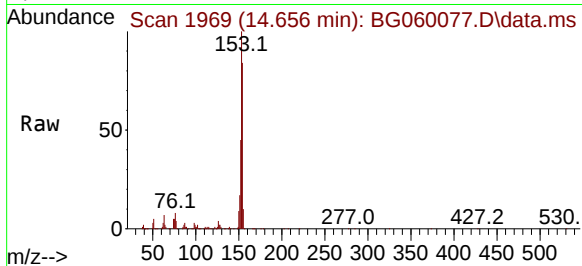




#52
Acenaphthene
Concen: 22.162 ng
RT: 14.656 min Scan# 1969
Delta R.T. -0.006 min
Lab File: BG060077.D
Acq: 18 Dec 2023 22:17

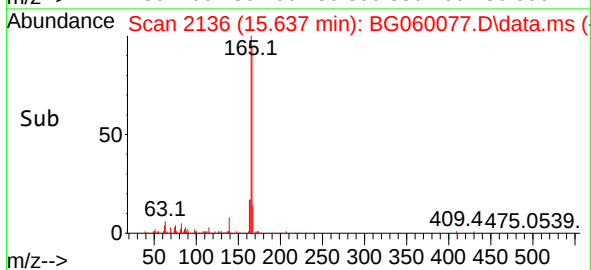
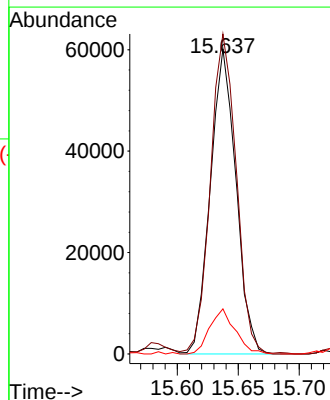
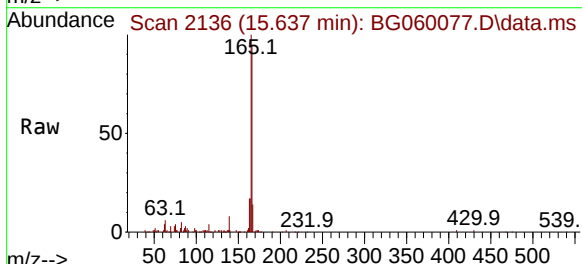
Instrument :
BNA_G
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DUP-01DL

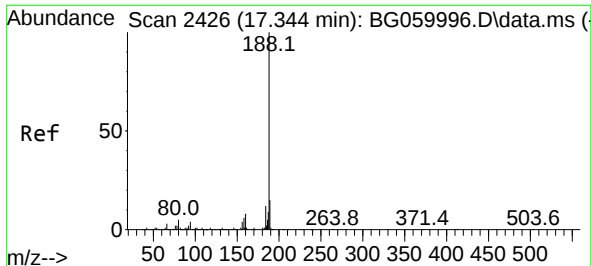
Tgt Ion:154 Resp: 276536
Ion Ratio Lower Upper
154 100
153 118.4 96.0 144.0
152 53.0 44.3 66.5



#58
Fluorene
Concen: 5.140 ng
RT: 15.637 min Scan# 2136
Delta R.T. -0.006 min
Lab File: BG060077.D
Acq: 18 Dec 2023 22:17

Tgt Ion:166 Resp: 88023
Ion Ratio Lower Upper
166 100
165 104.9 80.2 120.2
167 14.8 10.3 15.5

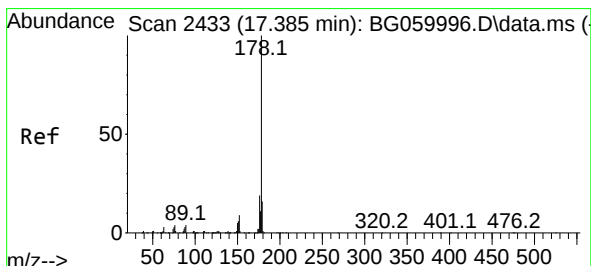
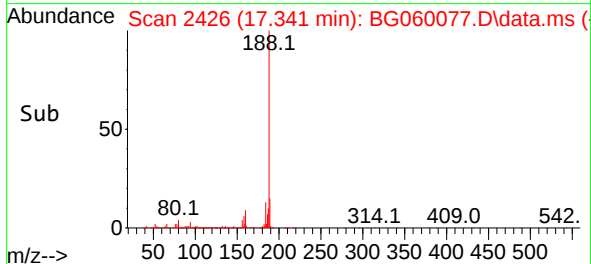
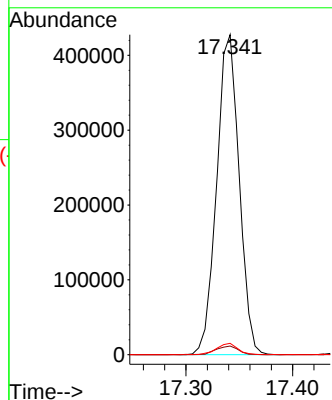
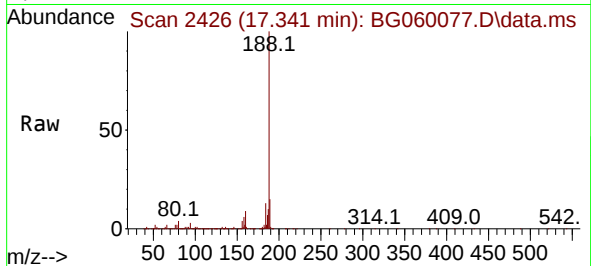




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.341 min Scan# 2426
Delta R.T. -0.006 min
Lab File: BG060077.D
Acq: 18 Dec 2023 22:17

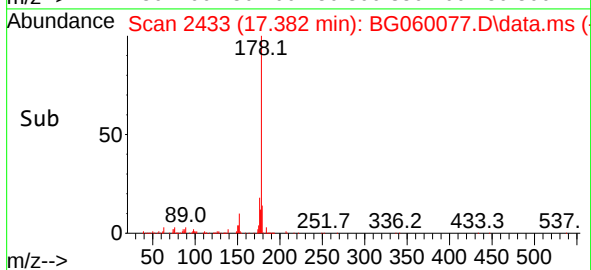
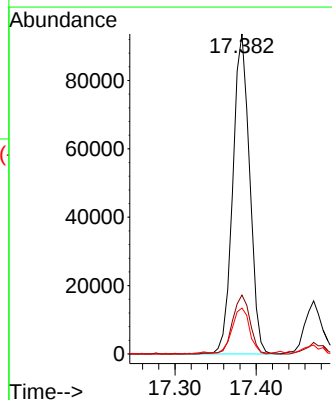
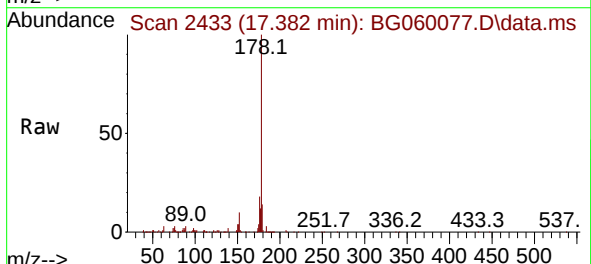
Instrument :
BNA_G
ClientSampleId :
DUP-01DL

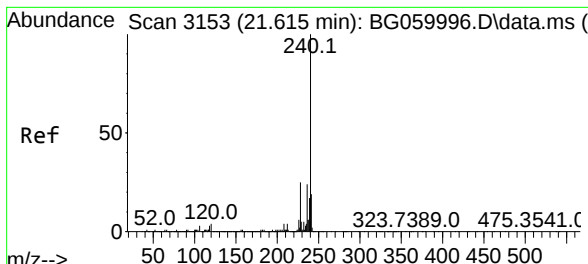
Tgt Ion:188 Resp: 625509
Ion Ratio Lower Upper
188 100
94 2.7 3.0 4.6#
80 3.6 4.0 6.0#



#71
Phenanthrene
Concen: 4.439 ng
RT: 17.382 min Scan# 2433
Delta R.T. -0.006 min
Lab File: BG060077.D
Acq: 18 Dec 2023 22:17

Tgt Ion:178 Resp: 134499
Ion Ratio Lower Upper
178 100
176 18.4 15.6 23.4
179 14.3 12.6 19.0

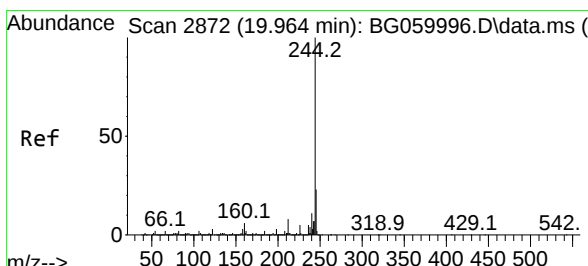
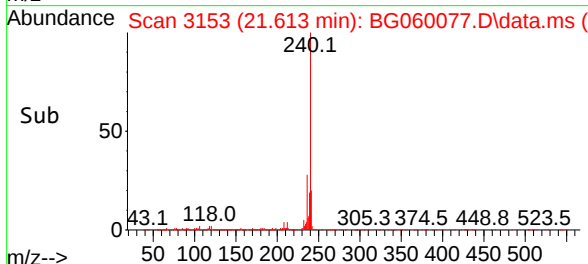
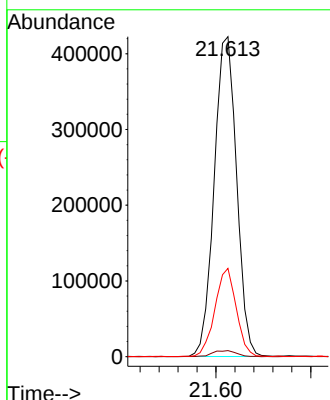
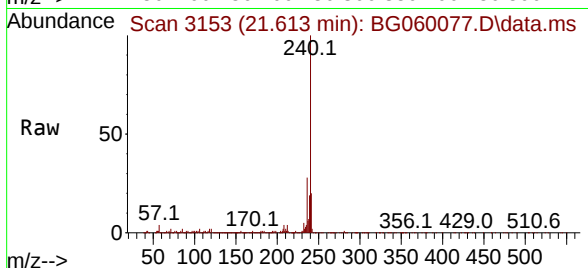




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.613 min Scan# 3153
Delta R.T. -0.006 min
Lab File: BG060077.D
Acq: 18 Dec 2023 22:17

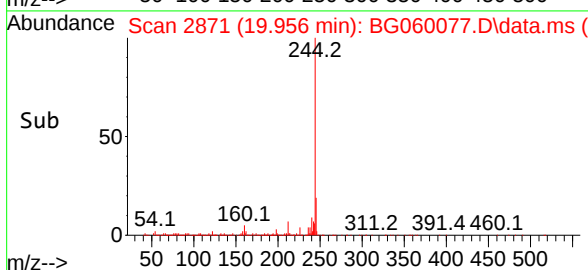
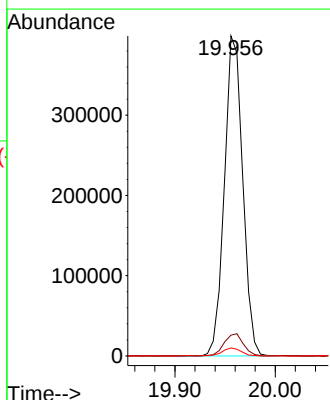
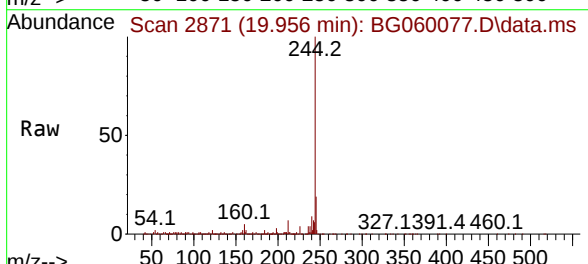
Instrument :
BNA_G
ClientSampleId :
DUP-01DL

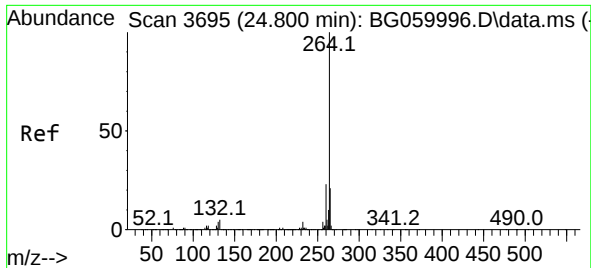
Tgt Ion:240 Resp: 693859
Ion Ratio Lower Upper
240 100
120 1.9 2.9 4.3#
236 27.6 19.4 29.2



#79
Terphenyl-d14
Concen: 13.286 ng
RT: 19.956 min Scan# 2871
Delta R.T. -0.012 min
Lab File: BG060077.D
Acq: 18 Dec 2023 22:17

Tgt Ion:244 Resp: 504933
Ion Ratio Lower Upper
244 100
212 6.5 6.8 10.2#
122 2.5 2.6 3.8#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.803 min Scan# 30

Delta R.T. -0.012 min

Lab File: BG060077.D

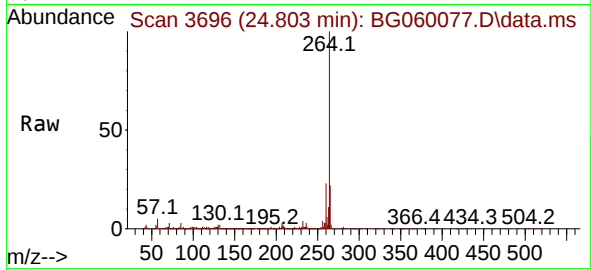
Acq: 18 Dec 2023 22:17

Instrument :

BNA_G

ClientSampleId :

DUP-01DL



Tgt Ion:264 Resp: 796898

Ion Ratio Lower Upper

264 100

260 22.9 18.5 27.7

265 21.5 17.3 25.9

