

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_F
 ClientSampleId :

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)

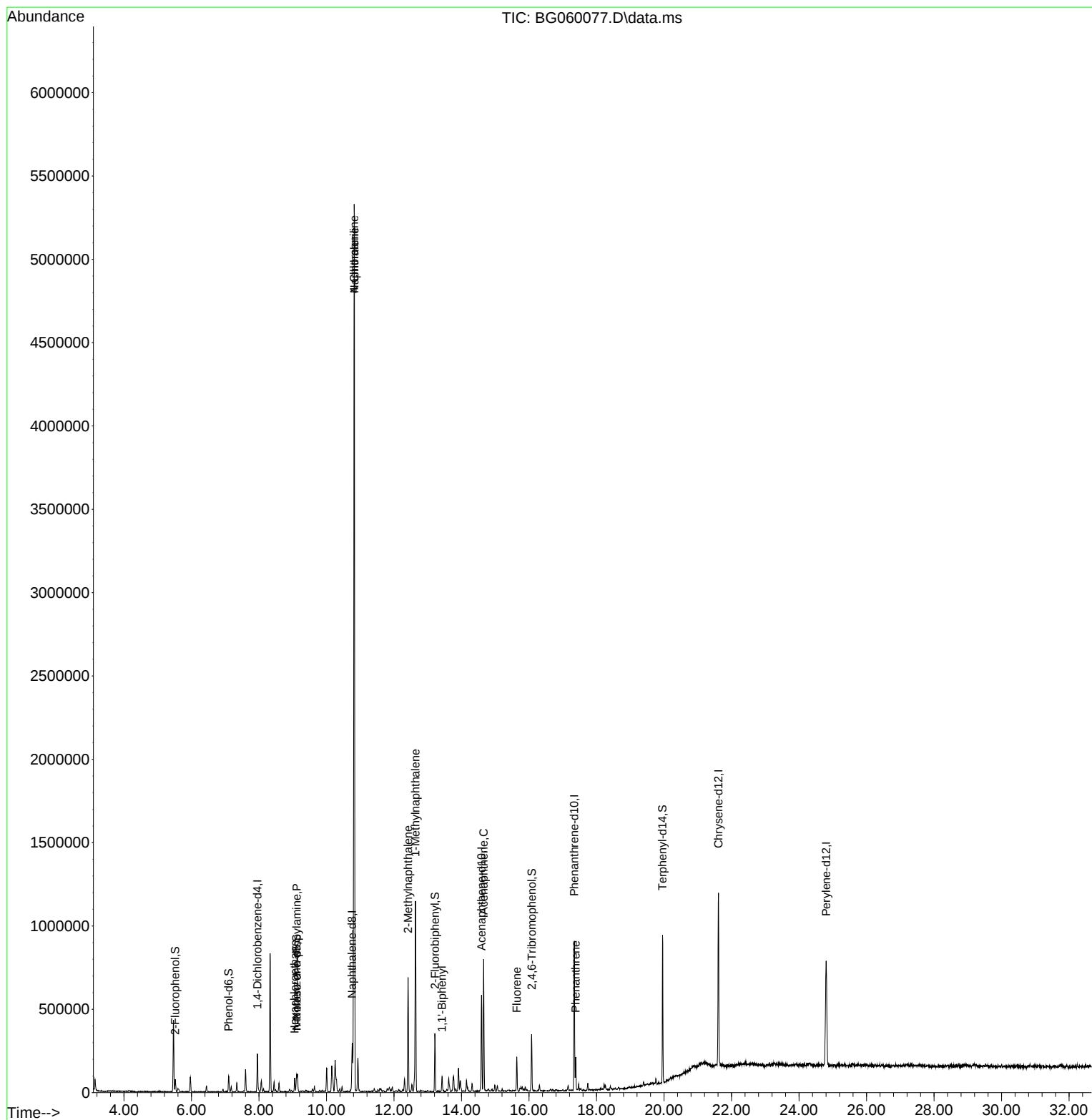
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.952	152	59917	20.000	ng	0.00
21) Naphthalene-d8	10.761	136	233247	20.000	ng	# 0.00
39) Acenaphthene-d10	14.592	164	206332	20.000	ng	0.00
64) Phenanthrene-d10	17.341	188	625509	20.000	ng	# 0.00
76) Chrysene-d12	21.613	240	693859	20.000	ng	# 0.00
86) 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
18) Hexachloroethane	9.057	117	6118	4.376	ng	# 1
19) n-Nitroso-di-n-propyla...	9.116	70	7411	2.333	ng	# 66
31) Naphthalene	10.825	128	3939124	324.412	ng	96
33) 4-Chloroaniline	10.820	127	556570	120.466	ng	# 30
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
69) Atrazine	16.771	200	109	Below Cal	#	34
71) Phenanthrene	17.382	178	134499	4.439	ng	97

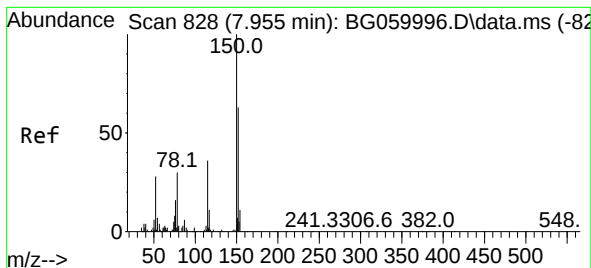
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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

Instrument :
BNA_F
ClientSampleId :

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





#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.952 min Scan# 81

Delta R.T. -0.007 min

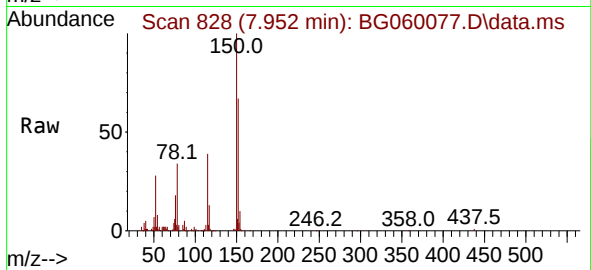
Lab File: BG060077.D

Acq: 18 Dec 2023 22:17

Instrument :

BNA_F

ClientSampleId :



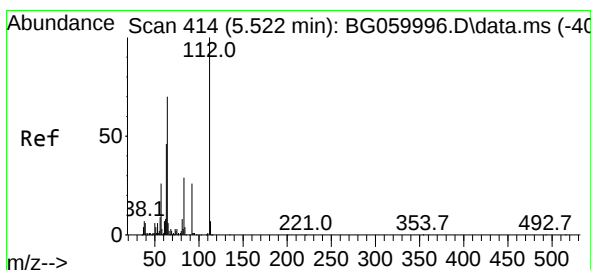
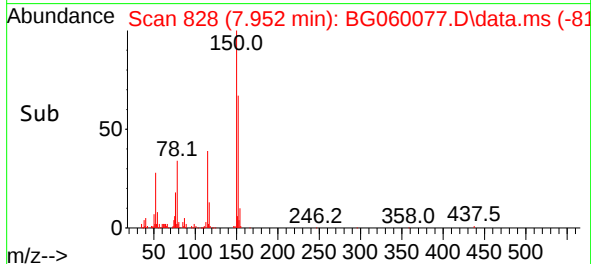
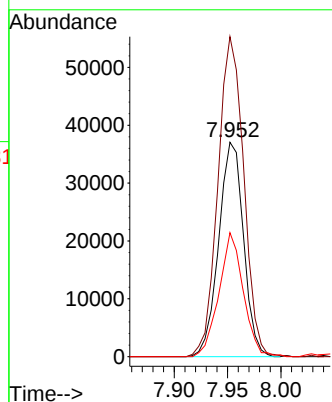
Tgt Ion:152 Resp: 59917

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

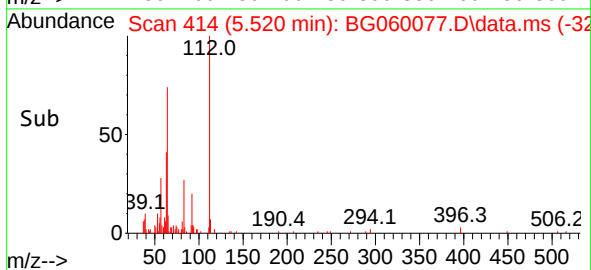
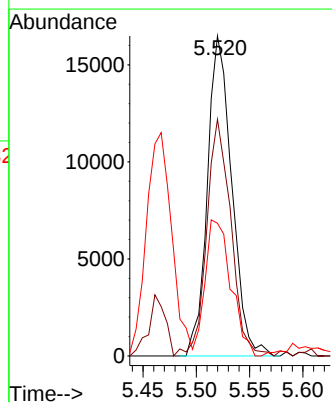
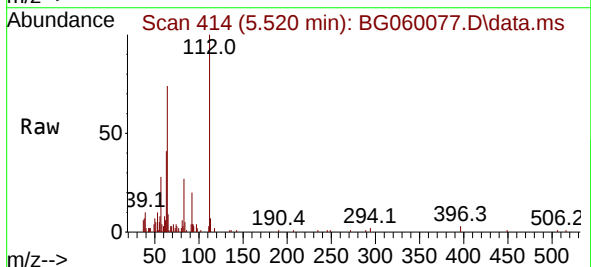
Tgt Ion:112 Resp: 26318

Ion Ratio Lower Upper

112 100

64 73.9 55.9 83.9

63 41.5 36.5 54.7

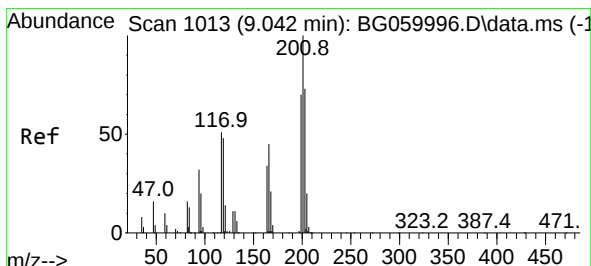
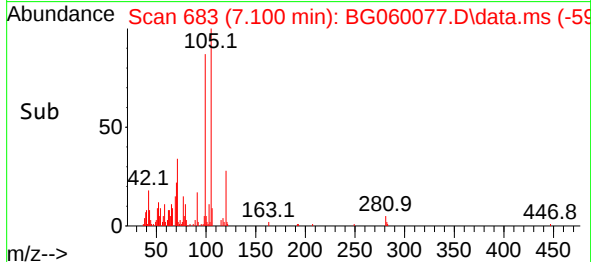
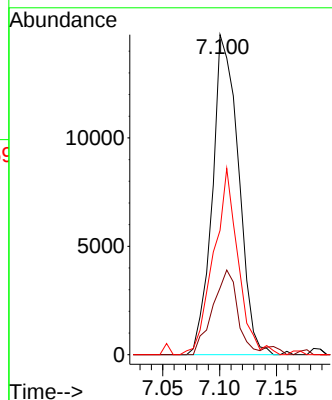
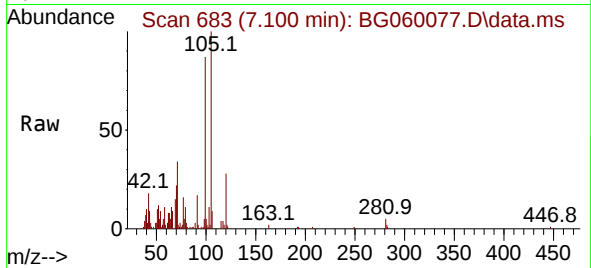




#7
Phenol-d6
Concen: 4.794 ng
RT: 7.100 min Scan# 61
Delta R.T. -0.012 min
Lab File: BG060077.D
Acq: 18 Dec 2023 22:17

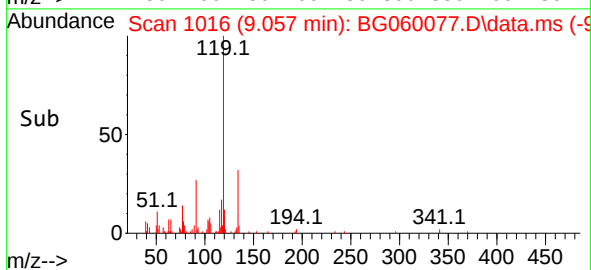
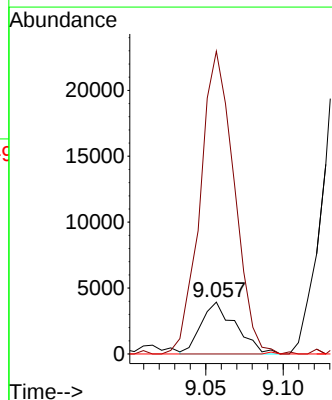
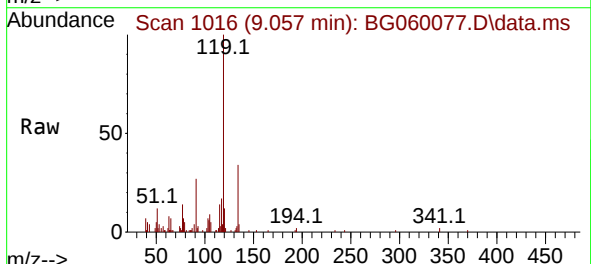
Instrument :
BNA_F
ClientSampleId :

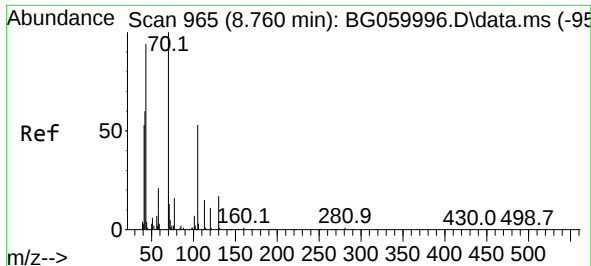
Tgt Ion: 99 Resp: 23601
Ion Ratio Lower Upper
99 100
42 20.9 16.2 24.4
71 38.8 37.6 56.4



#18
Hexachloroethane
Concen: 4.376 ng
RT: 9.057 min Scan# 1016
Delta R.T. 0.011 min
Lab File: BG060077.D
Acq: 18 Dec 2023 22:17

Tgt Ion: 117 Resp: 6118
Ion Ratio Lower Upper
117 100
119 584.1 74.5 111.7#
201 0.0 156.5 234.7#

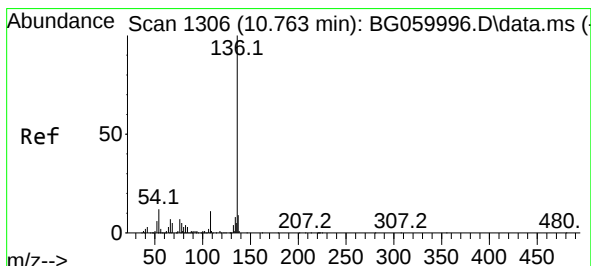
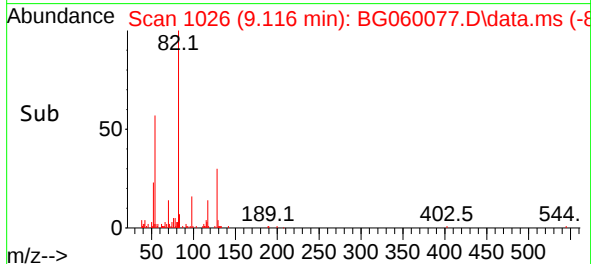
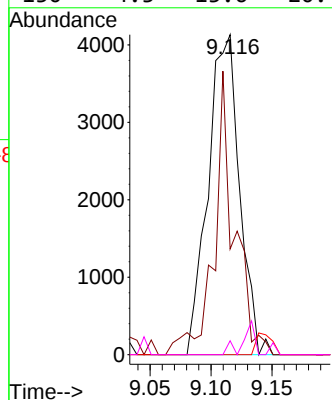
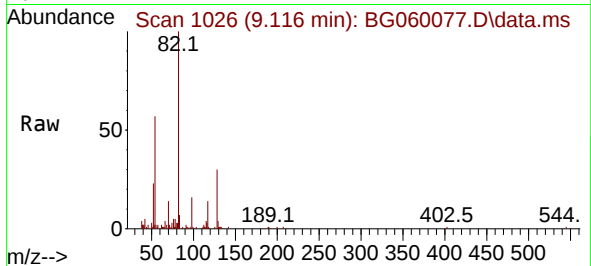




#19
n-Nitroso-di-n-propylamine
Concen: 2.333 ng
RT: 9.116 min Scan# 1026
Delta R.T. 0.352 min
Lab File: BG060077.D
Acq: 18 Dec 2023 22:17

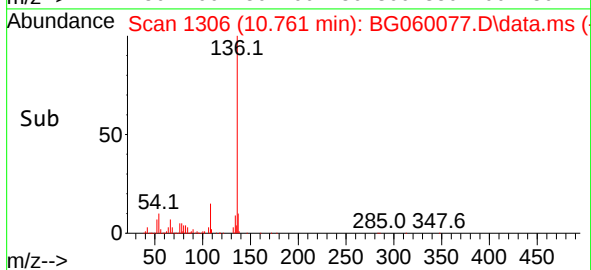
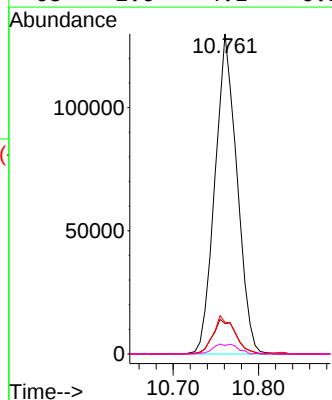
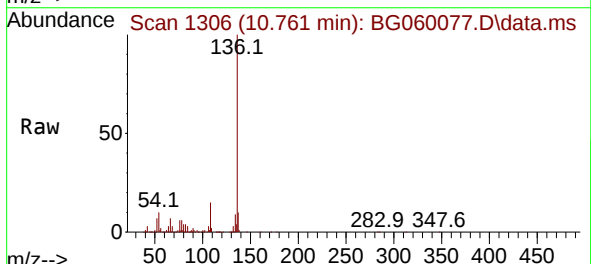
Instrument :
BNA_F
ClientSampleId :

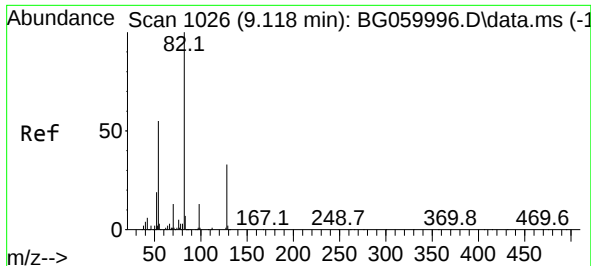
Tgt Ion: 70 Resp: 7411
Ion Ratio Lower Upper
70 100
42 33.0 48.6 73.0#
101 0.0 5.7 8.5#
130 4.3 13.6 20.4#



#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#

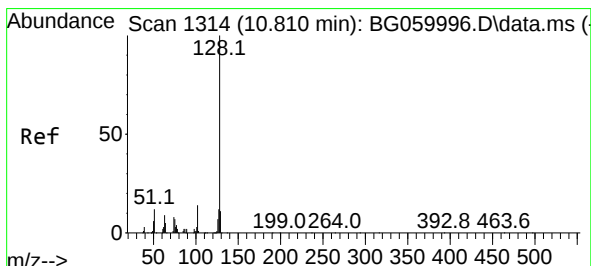
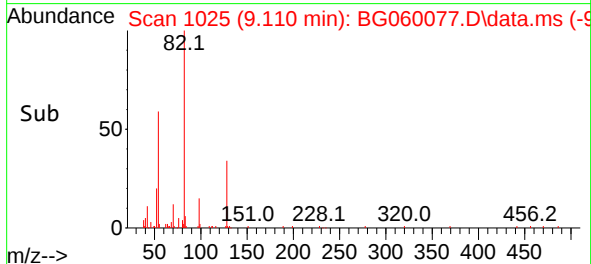
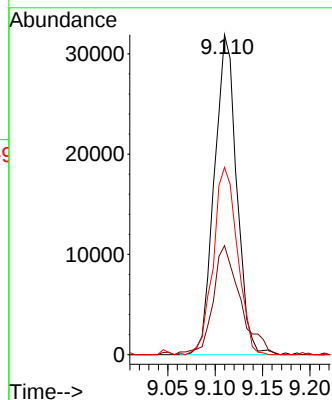
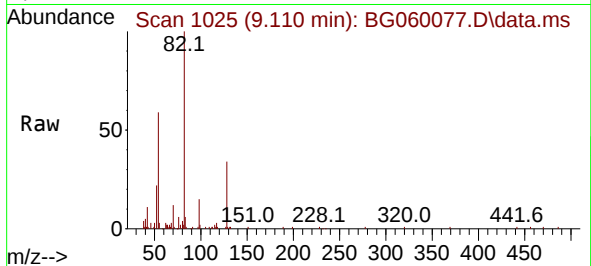




#23
Nitrobenzene-d5
Concen: 10.183 ng
RT: 9.110 min Scan# 1026
Delta R.T. -0.012 min
Lab File: BG060077.D
Acq: 18 Dec 2023 22:17

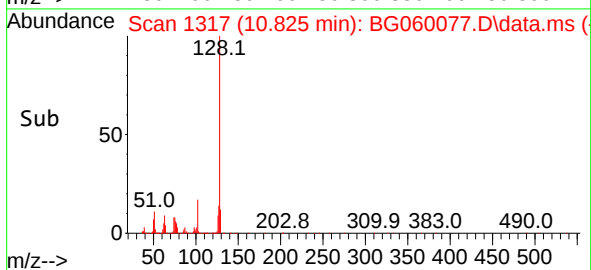
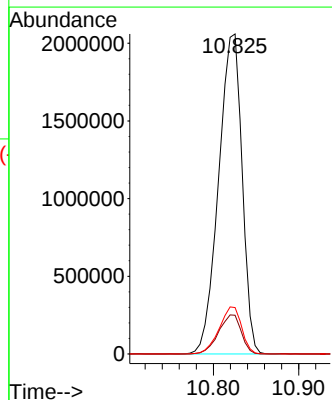
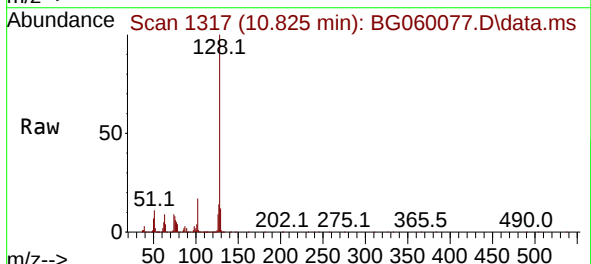
Instrument :
BNA_F
ClientSampleId :

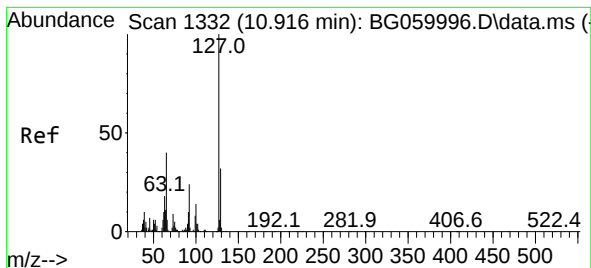
Tgt Ion: 82 Resp: 52305
Ion Ratio Lower Upper
82 100
128 34.0 26.3 39.5
54 58.6 44.3 66.5



#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

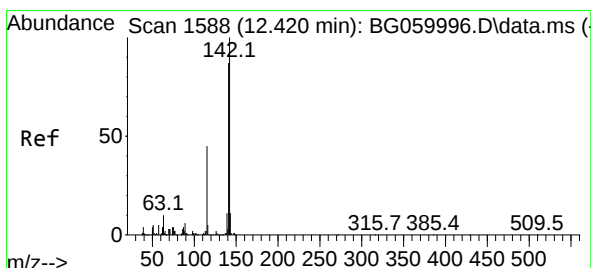
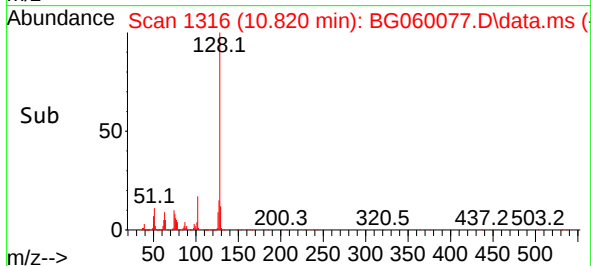
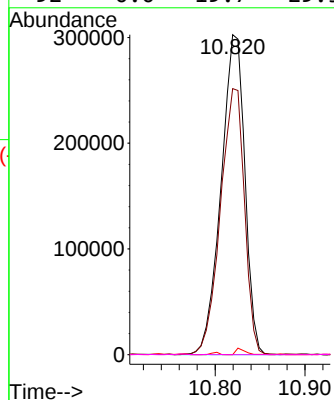
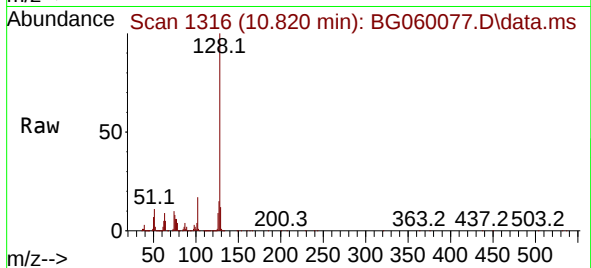




#33
4-Chloroaniline
Concen: 120.466 ng
RT: 10.820 min Scan# 11
Delta R.T. -0.094 min
Lab File: BG060077.D
Acq: 18 Dec 2023 22:17

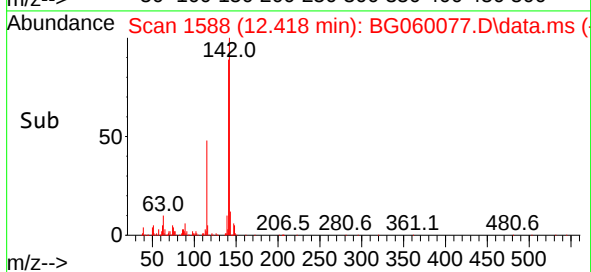
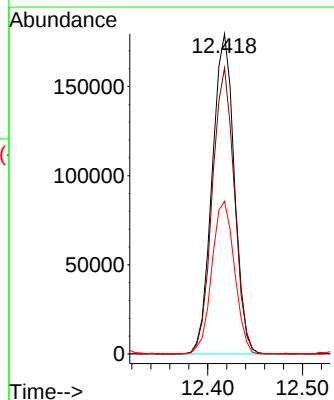
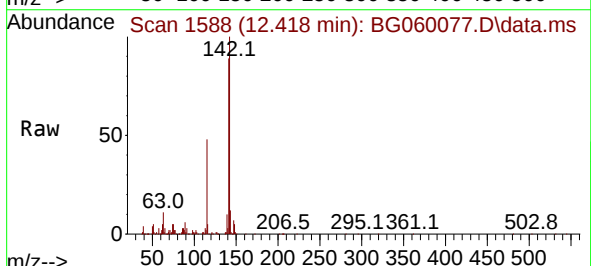
Instrument :
BNA_F
ClientSampleId :

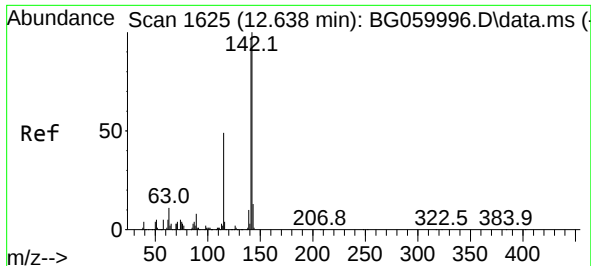
Tgt Ion:127	Resp: 556570
Ion Ratio	Lower Upper
127 100	
129 83.1	25.7 38.5#
65 0.0	32.3 48.5#
92 0.0	19.7 29.5#



#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

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

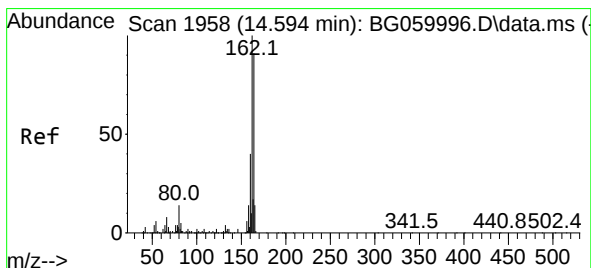
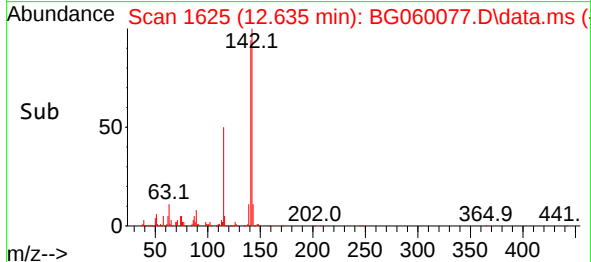
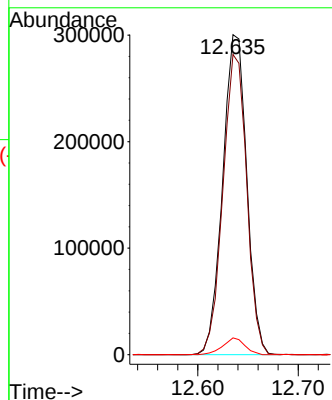
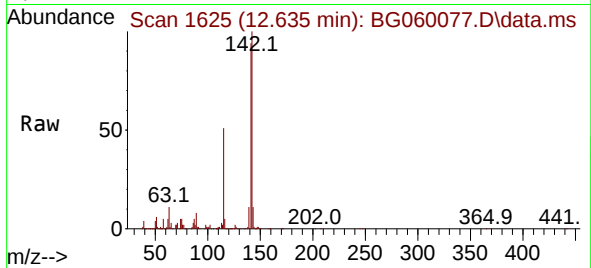




#38
1-Methylnaphthalene
Concen: 53.153 ng
RT: 12.635 min Scan# 1
Delta R.T. -0.006 min
Lab File: BG060077.D
Acq: 18 Dec 2023 22:17

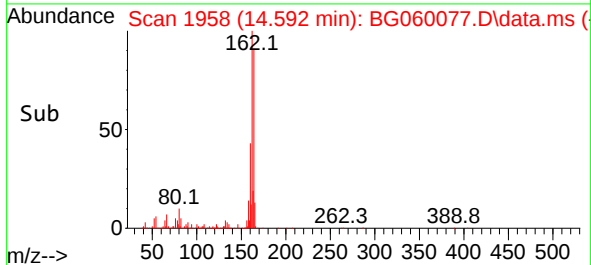
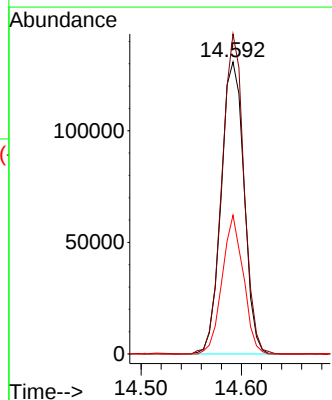
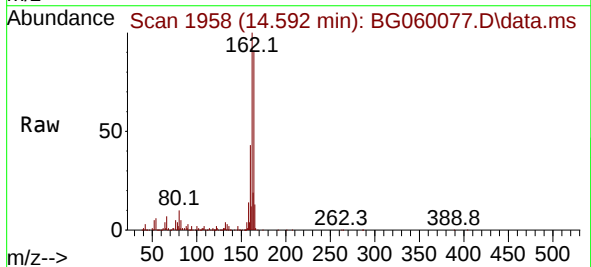
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BNA_F
ClientSampleId :

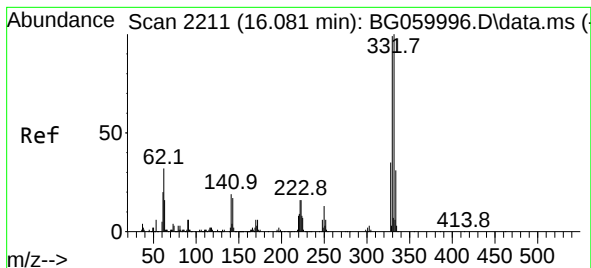
Tgt Ion:142 Resp: 500021
Ion Ratio Lower Upper
142 100
141 93.8 76.9 115.3
116 5.2 3.5 5.3



#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

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

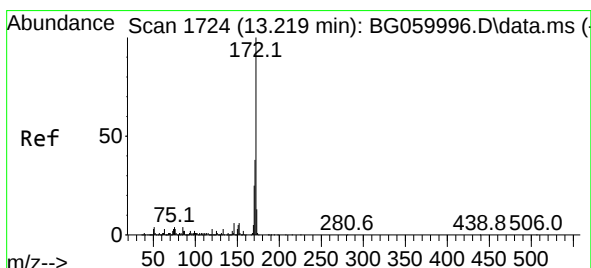
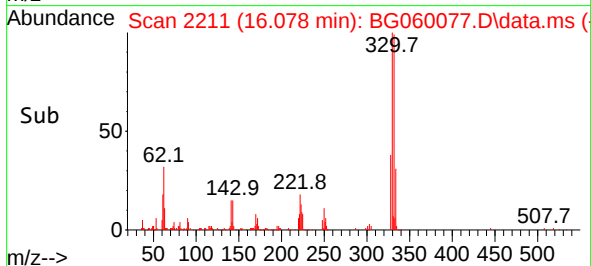
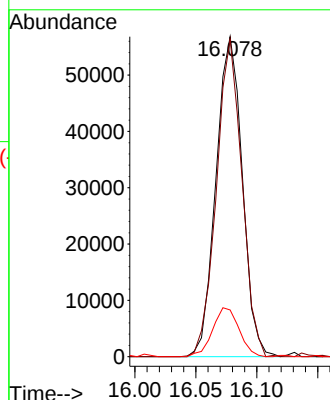
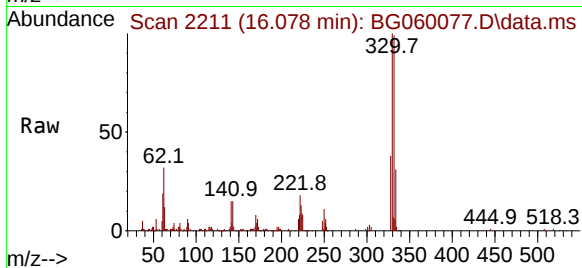




#42
2,4,6-Tribromophenol
Concen: 17.765 ng
RT: 16.078 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG060077.D
Acq: 18 Dec 2023 22:17

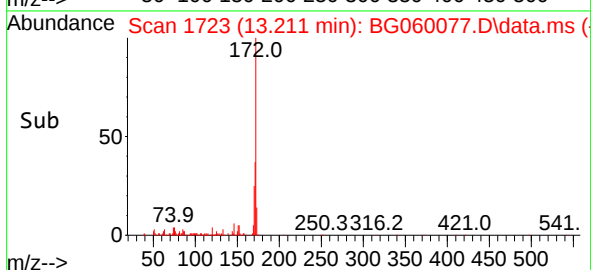
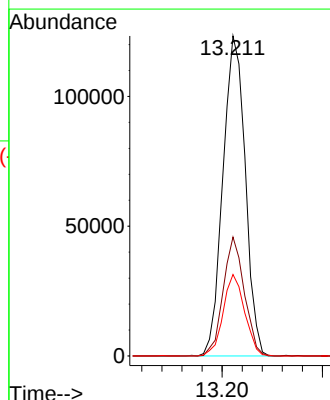
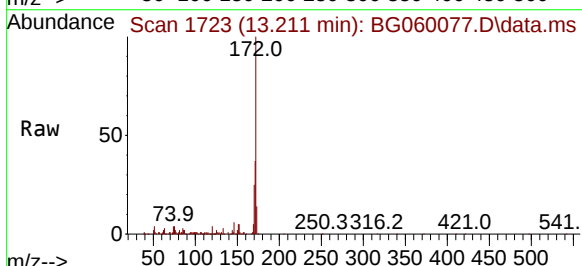
Instrument :
BNA_F
ClientSampleId :

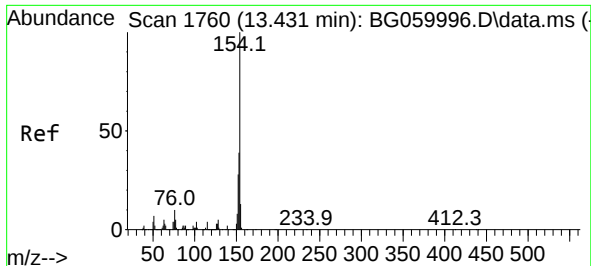
Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.0	76.2	114.4
141	15.4	14.3	21.5



#45
2-Fluorobiphenyl
Concen: 11.309 ng
RT: 13.211 min Scan# 1723
Delta R.T. -0.006 min
Lab File: BG060077.D
Acq: 18 Dec 2023 22:17

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

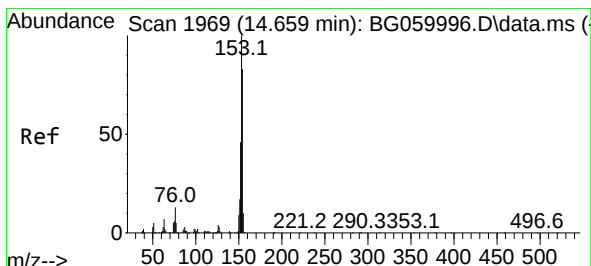
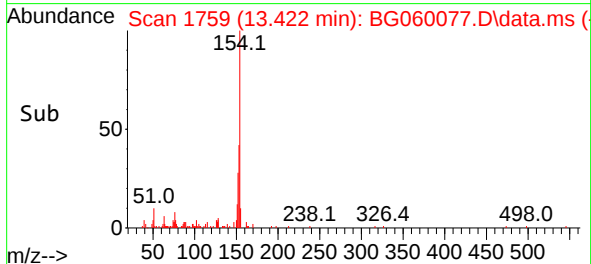
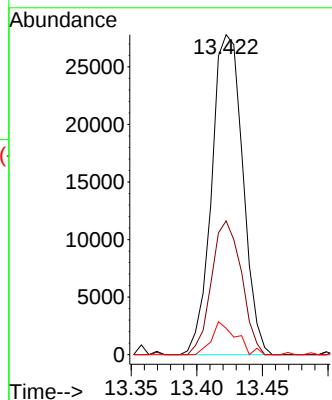
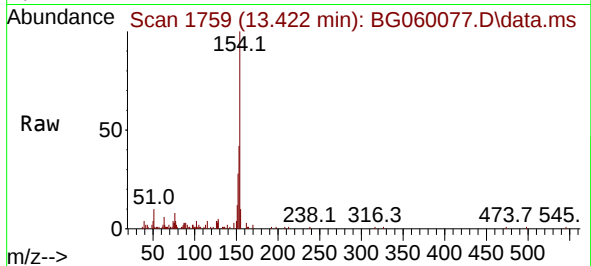




#46
1,1'-Biphenyl
Concen: 2.999 ng
RT: 13.422 min Scan# 1759
Delta R.T. -0.006 min
Lab File: BG060077.D
Acq: 18 Dec 2023 22:17

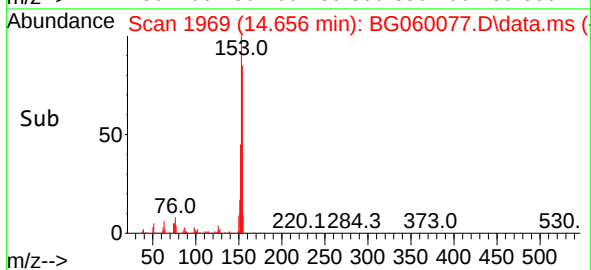
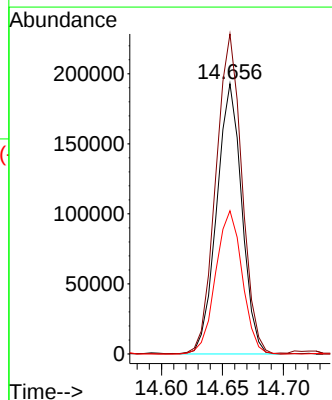
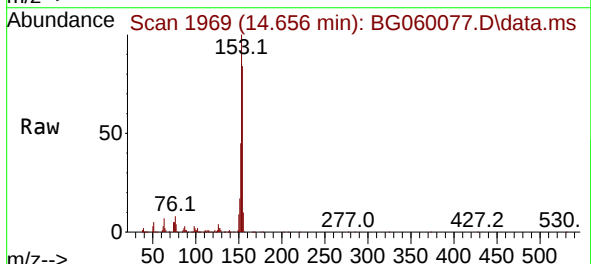
Instrument :
BNA_F
ClientSampleId :

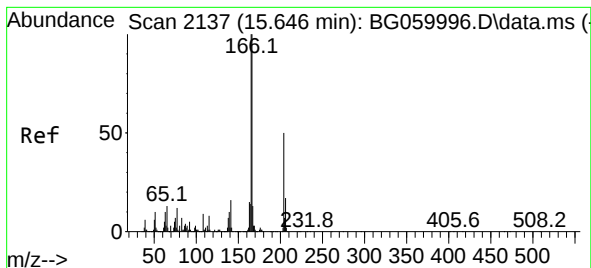
Tgt Ion:154 Resp: 45893
Ion Ratio Lower Upper
154 100
153 41.8 19.2 59.2
76 8.2 0.0 29.9



#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

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

Instrument :

BNA_F

ClientSampleId :

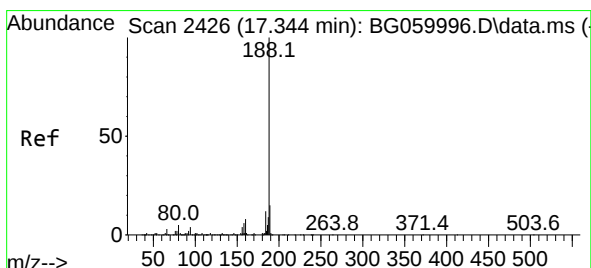
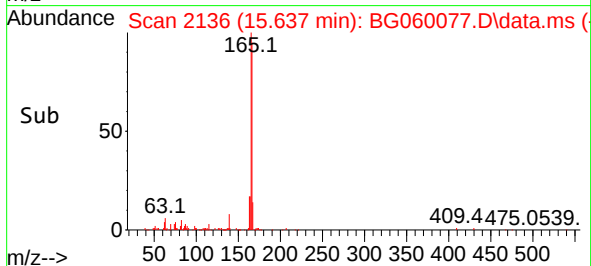
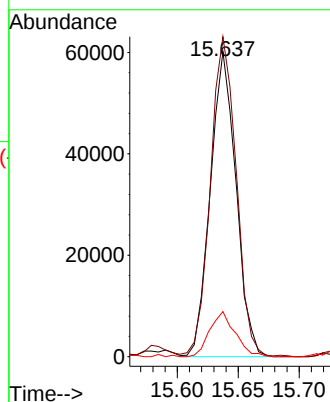
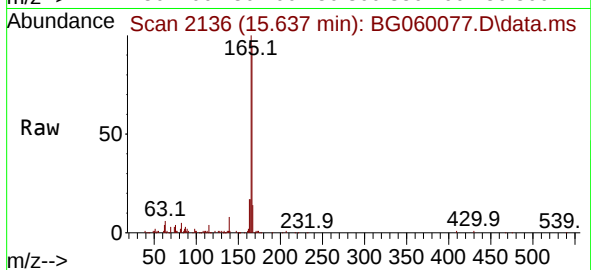
Tgt Ion:166 Resp: 88023

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

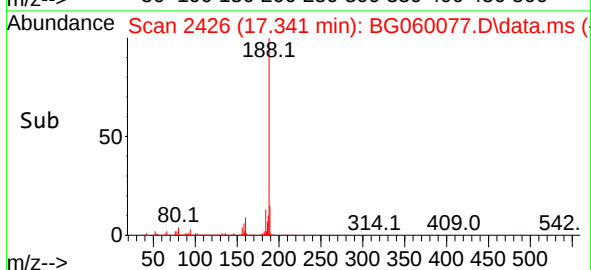
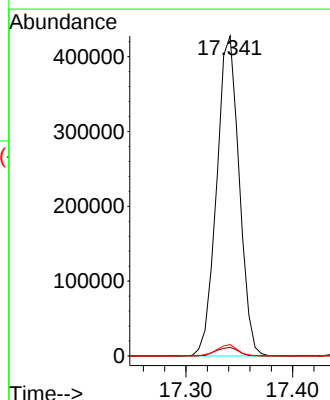
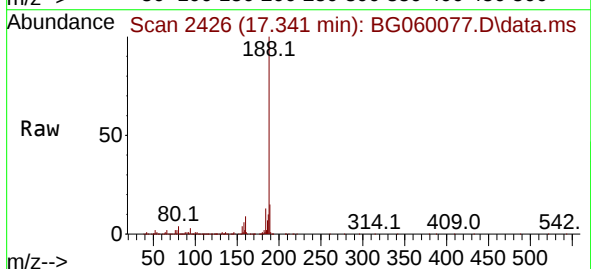
Tgt Ion:188 Resp: 625509

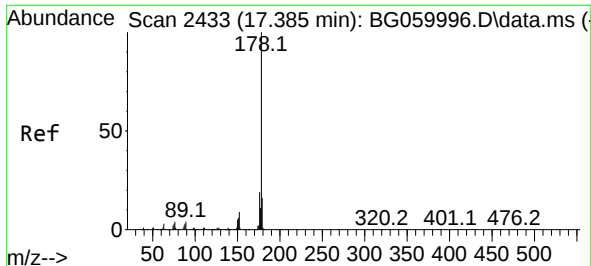
Ion Ratio Lower Upper

188 100

94 2.7 3.0 4.6#

80 3.6 4.0 6.0#

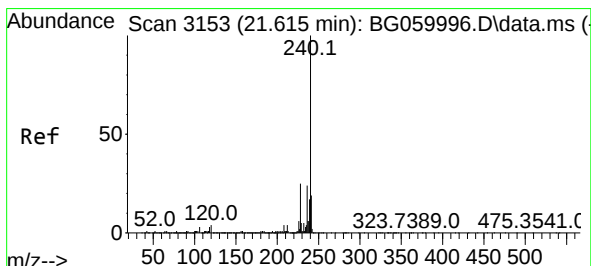
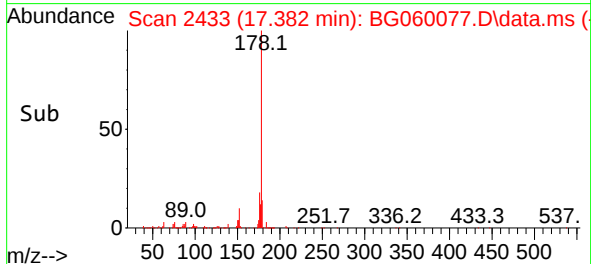
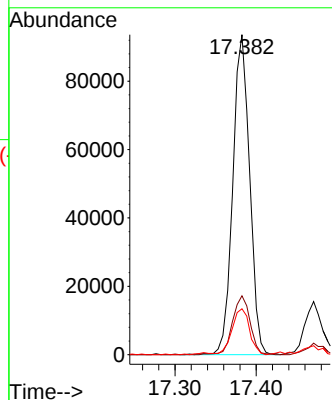
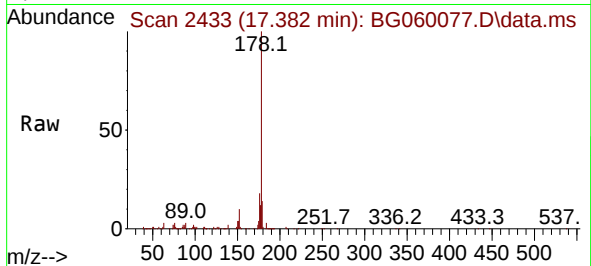




#71
Phenanthrene
Concen: 4.439 ng
RT: 17.382 min Scan# 2433
Delta R.T. -0.006 min
Lab File: BG060077.D
Acq: 18 Dec 2023 22:17

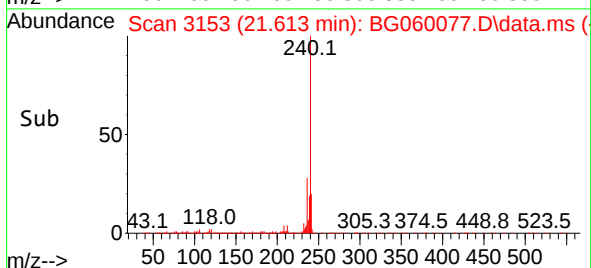
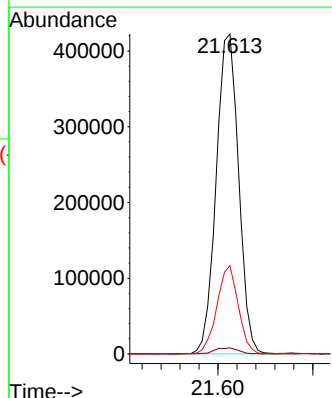
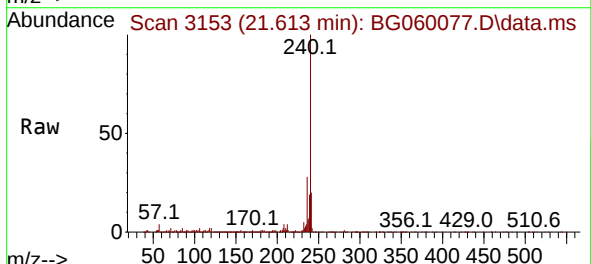
Instrument :
BNA_F
ClientSampleId :

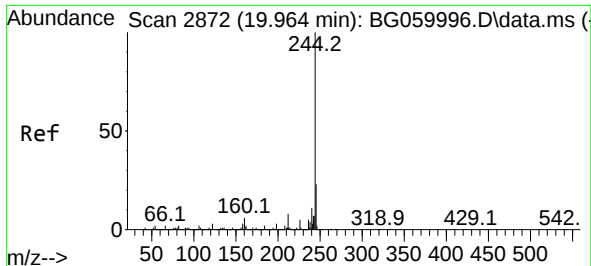
Tgt Ion:178 Resp: 134499
Ion Ratio Lower Upper
178 100
176 18.4 15.6 23.4
179 14.3 12.6 19.0



#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

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# 21

Delta R.T. -0.012 min

Lab File: BG060077.D

Acq: 18 Dec 2023 22:17

Instrument :

BNA_F

ClientSampleId :

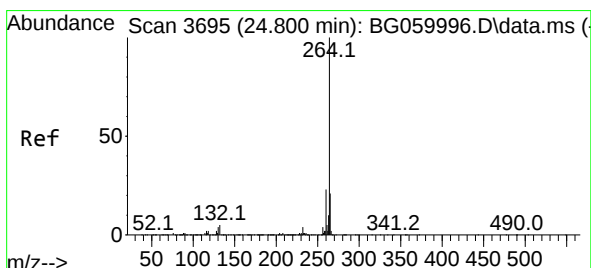
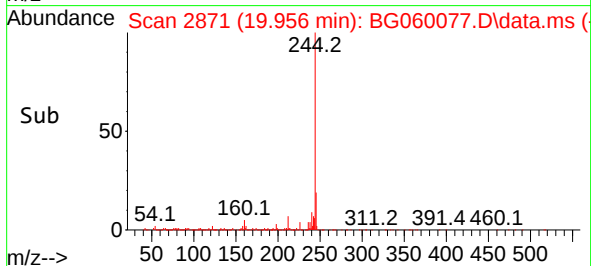
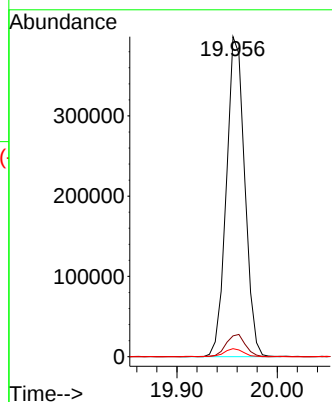
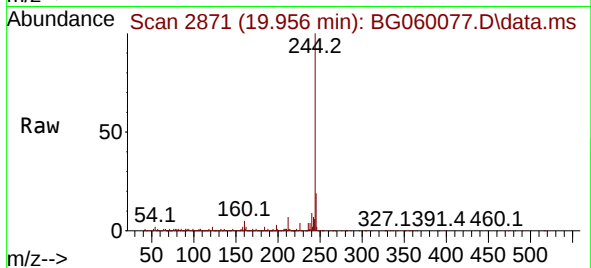
Tgt Ion:244 Resp: 504933

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# 3696

Delta R.T. -0.012 min

Lab File: BG060077.D

Acq: 18 Dec 2023 22:17

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

