

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG121823\
 Data File : BG060074.D
 Acq On : 18 Dec 2023 20:15
 Operator : MA/JU
 Sample : 05612-04DL 10X
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :

Quant Time: Dec 19 04:41:30 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)

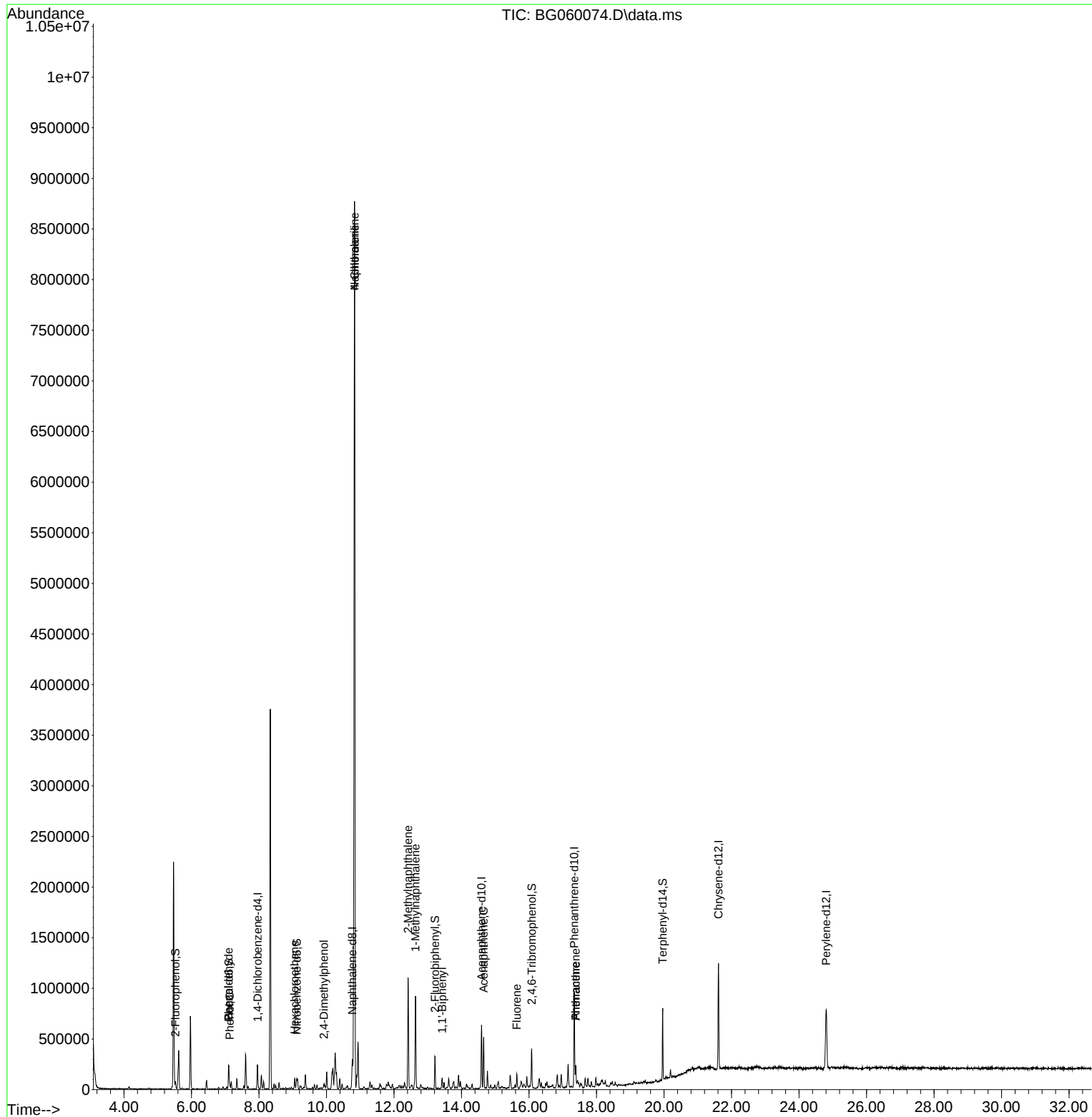
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.958	152	64208	20.000	ng	0.00
21) Naphthalene-d8	10.767	136	254217	20.000	ng	# 0.00
39) Acenaphthene-d10	14.592	164	222299	20.000	ng	0.00
64) Phenanthrene-d10	17.342	188	661589	20.000	ng	# 0.00
76) Chrysene-d12	21.613	240	693555	20.000	ng	# 0.00
86) Perylene-d12	24.803	264	767305	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	24027	6.406	ng	0.00
7) Phenol-d6	7.106	99	21489	4.073	ng	0.00
23) Nitrobenzene-d5	9.116	82	48135	8.598	ng	0.00
42) 2,4,6-Tribromophenol	16.078	330	79438	15.334	ng	0.00
45) 2-Fluorobiphenyl	13.217	172	178263	9.815	ng	0.00
79) Terphenyl-d14	19.962	244	399086	10.506	ng	0.00
Target Compounds						
						Qvalue
9) Benzaldehyde	7.101	77	16499	5.143	ng	# 1
10) Phenol	7.136	94	20030	3.779	ng	77
18) Hexachloroethane	9.057	117	7225	4.822	ng	# 1
27) 2,4-Dimethylphenol	9.927	122	13100	4.572	ng	# 84
31) Naphthalene	10.832	128	6389538	482.812	ng	# 85
33) 4-Chloroaniline	10.832	127	1051171	208.751	ng	# 33
37) 2-Methylnaphthalene	12.418	142	477845	46.037	ng	98
38) 1-Methylnaphthalene	12.635	142	390715	38.107	ng	97
46) 1,1'-Biphenyl	13.429	154	54970	3.334	ng	99
52) Acenaphthene	14.656	154	193081	14.362	ng	86
58) Fluorene	15.638	166	59914	3.247	ng	89
69) Atrazine	17.271	200	131	Below Cal		80
71) Phenanthrene	17.383	178	129367	4.037	ng	96
72) Anthracene	17.383	178	129367	4.015	ng	97

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

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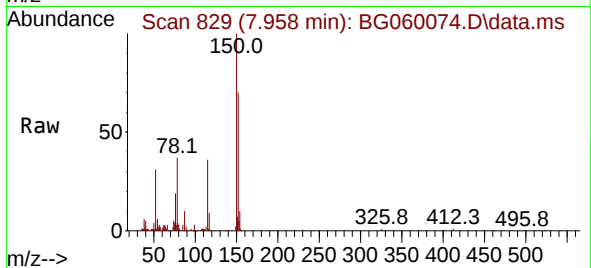
Quant Time: Dec 19 04:41:30 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG121323.M
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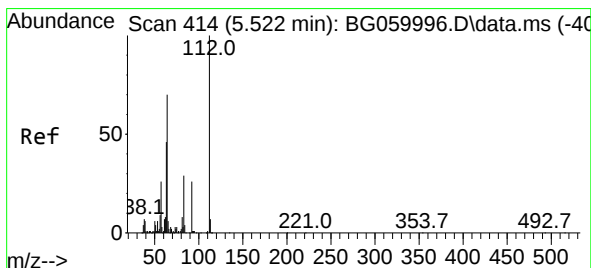
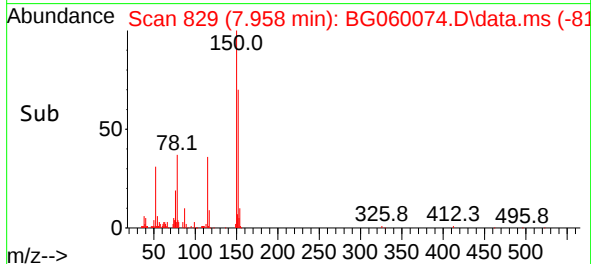
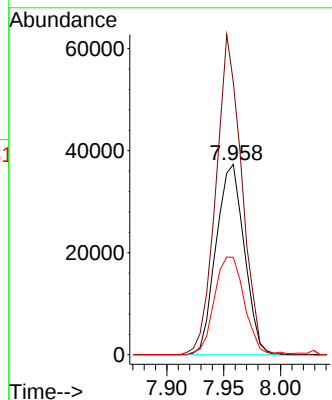


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.958 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

Instrument :
BNA_F
ClientSampleId :

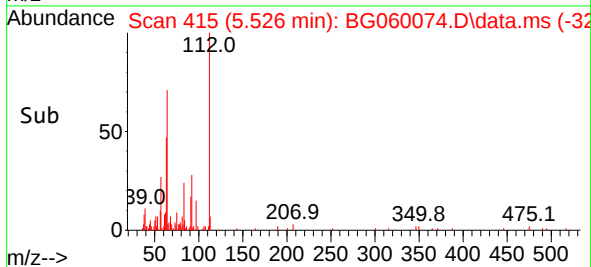
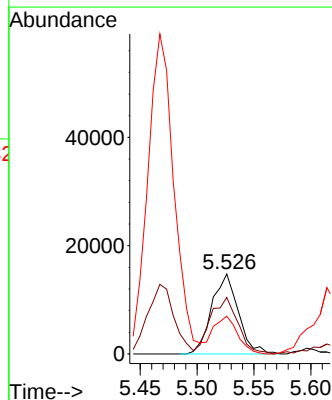
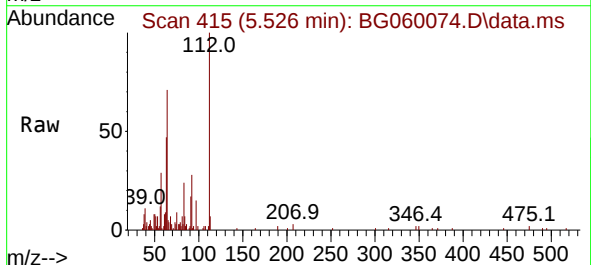


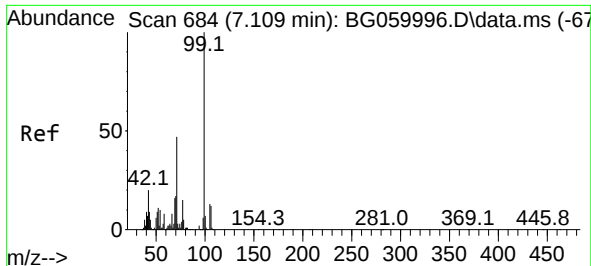
Tgt Ion:152 Resp: 64208
Ion Ratio Lower Upper
152 100
150 143.2 127.0 190.6
115 51.2 45.7 68.5



#5
2-Fluorophenol
Concen: 6.406 ng
RT: 5.526 min Scan# 415
Delta R.T. -0.000 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

Tgt Ion:112 Resp: 24027
Ion Ratio Lower Upper
112 100
64 70.7 55.9 83.9
63 47.2 36.5 54.7

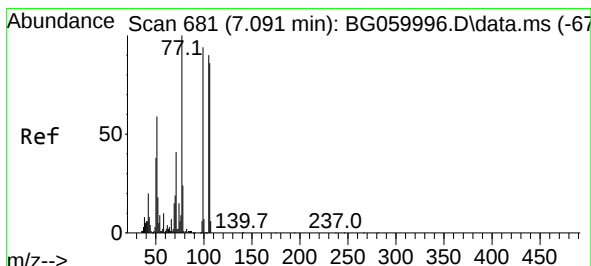
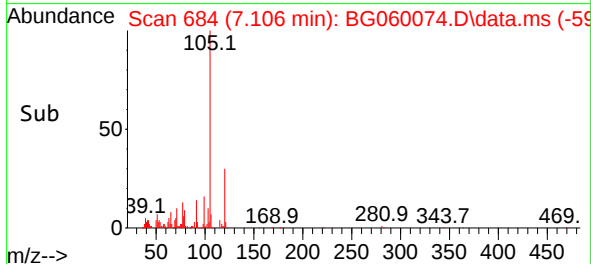
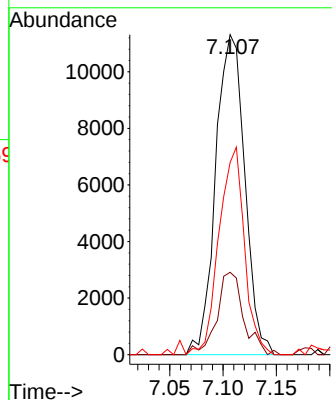
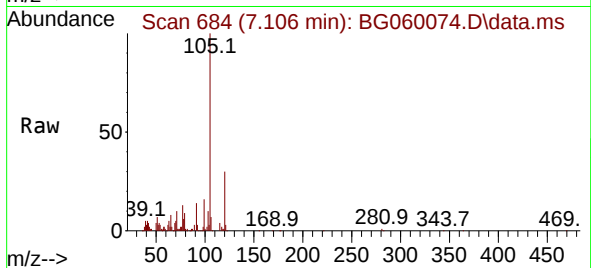




#7
Phenol-d6
Concen: 4.073 ng
RT: 7.106 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

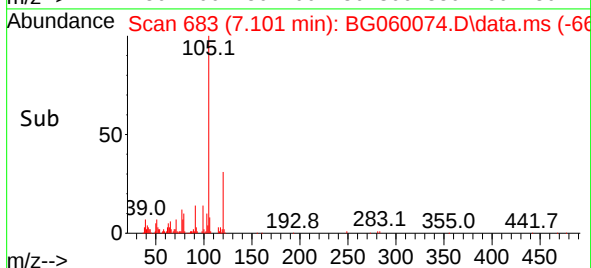
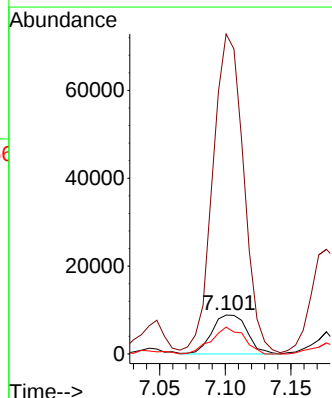
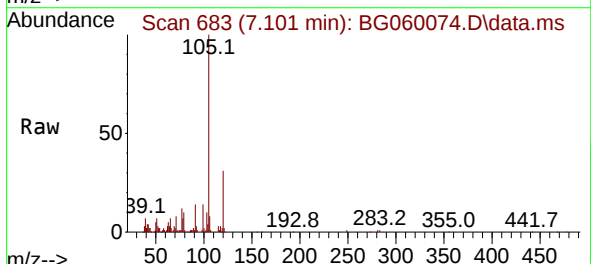
Instrument :
BNA_F
ClientSampleId :

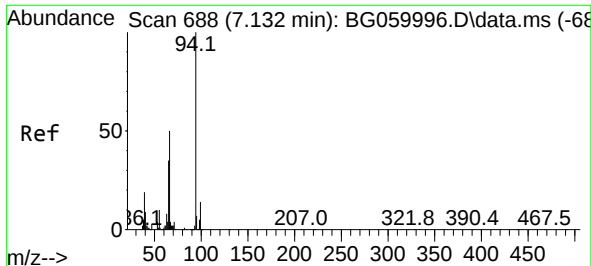
Tgt Ion: 99 Resp: 21489
Ion Ratio Lower Upper
99 100
42 25.8 16.2 24.4#
71 60.1 37.6 56.4#



#9
Benzaldehyde
Concen: 5.143 ng
RT: 7.101 min Scan# 683
Delta R.T. 0.006 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

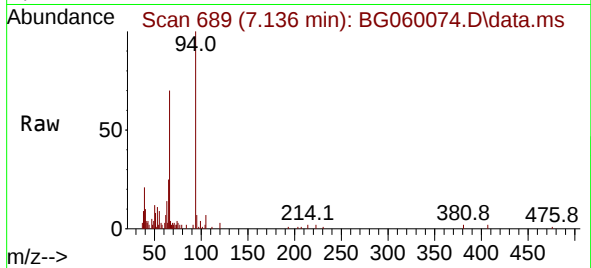
Tgt Ion: 77 Resp: 16499
Ion Ratio Lower Upper
77 100
105 822.1 70.5 110.5#
106 69.0 66.0 106.0



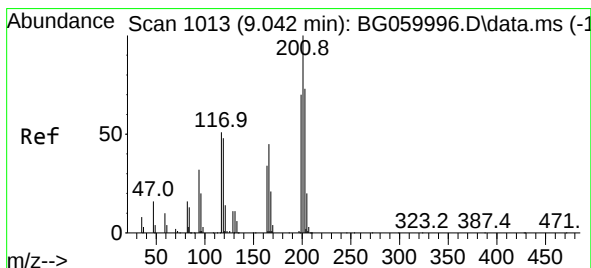
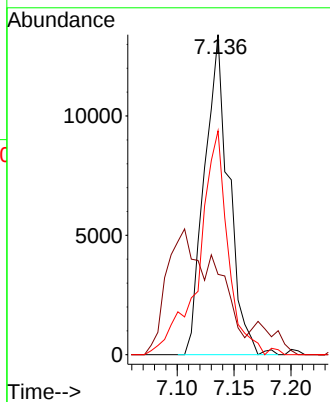
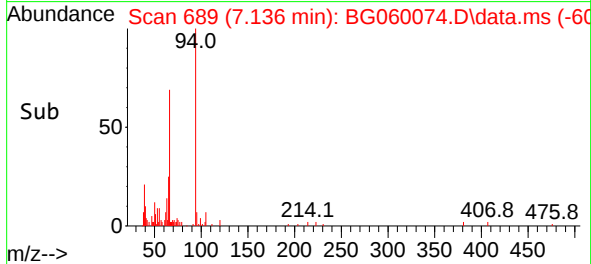


#10
Phenol
Concen: 3.779 ng
RT: 7.136 min Scan# 61
Delta R.T. -0.006 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

Instrument :
BNA_F
ClientSampleId :

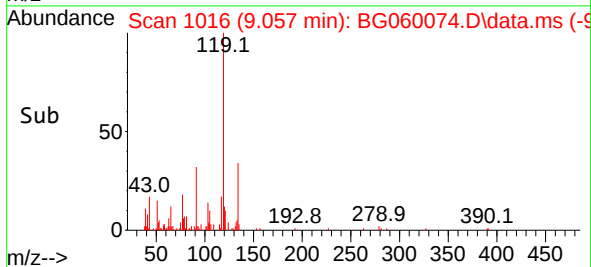
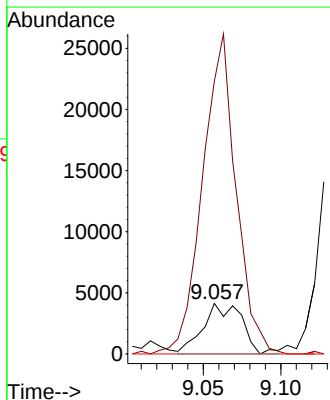
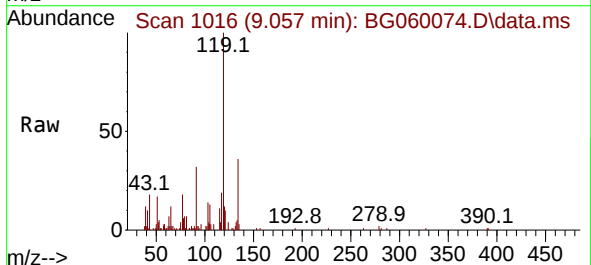


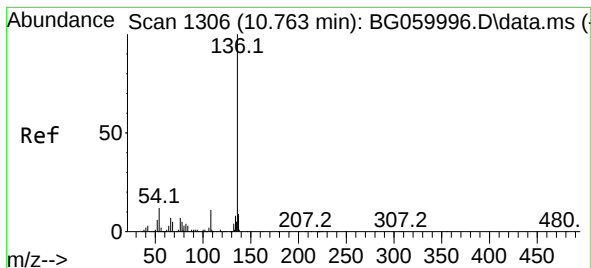
Tgt Ion: 94 Resp: 20030
Ion Ratio Lower Upper
94 100
65 25.1 15.5 55.5
66 69.9 31.6 71.6



#18
Hexachloroethane
Concen: 4.822 ng
RT: 9.057 min Scan# 1016
Delta R.T. 0.012 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

Tgt Ion: 117 Resp: 7225
Ion Ratio Lower Upper
117 100
119 539.7 74.5 111.7#
201 0.0 156.5 234.7#

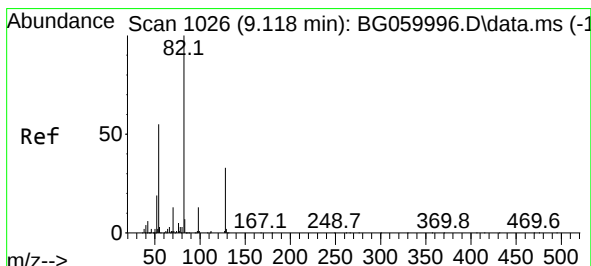
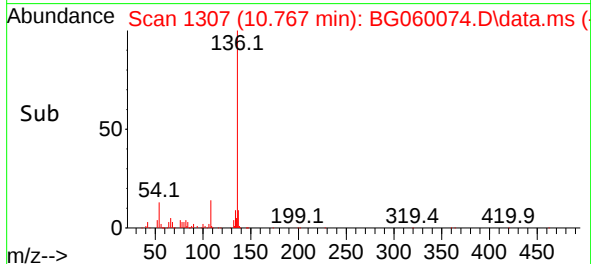
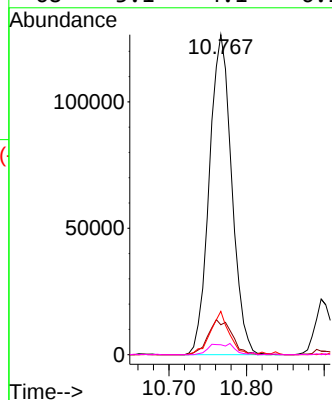
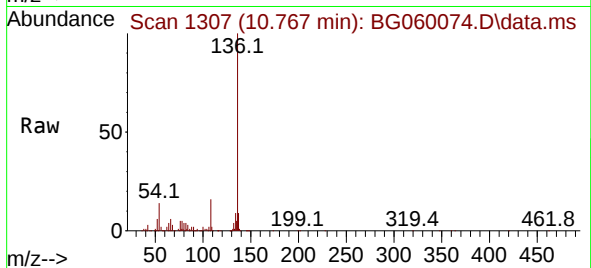




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.767 min Scan# 1307
Delta R.T. 0.006 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

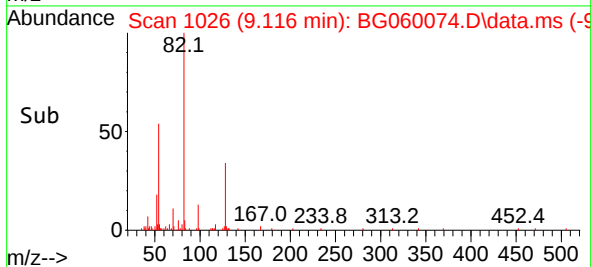
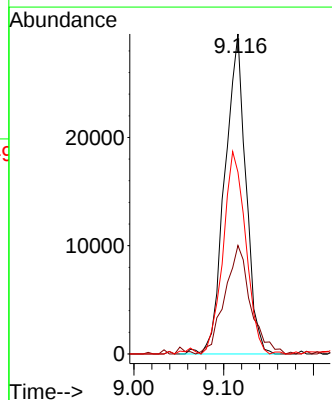
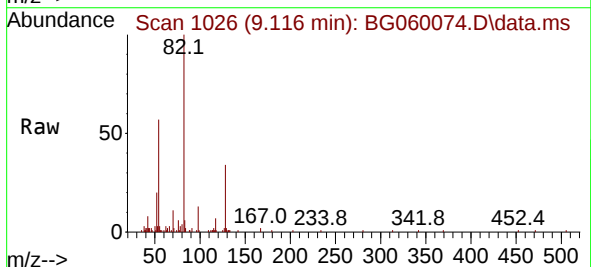
Instrument :
BNA_F
ClientSampleId :

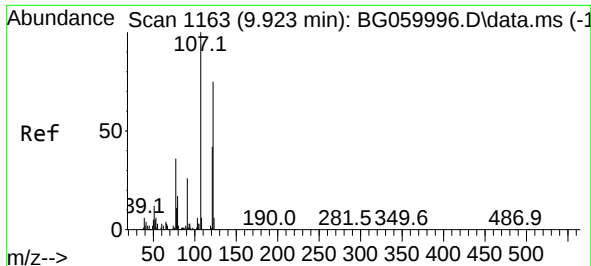
Tgt Ion:136 Resp: 254217
Ion Ratio Lower Upper
136 100
137 9.3 7.3 10.9
54 13.6 9.6 14.4
68 3.1 4.1 6.1#



#23
Nitrobenzene-d5
Concen: 8.598 ng
RT: 9.116 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

Tgt Ion: 82 Resp: 48135
Ion Ratio Lower Upper
82 100
128 33.9 26.3 39.5
54 56.8 44.3 66.5





#27

2,4-Dimethylphenol

Concen: 4.572 ng

RT: 9.927 min Scan# 1163

Delta R.T. -0.000 min

Lab File: BG060074.D

Acq: 18 Dec 2023 20:15

Instrument :

BNA_F

ClientSampleId :

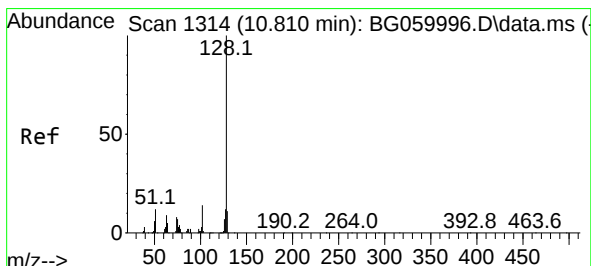
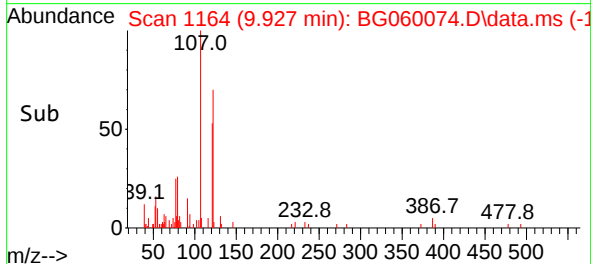
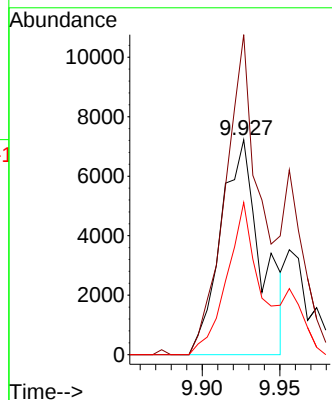
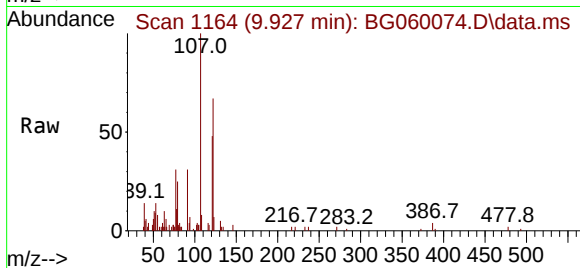
Tgt Ion:122 Resp: 13100

Ion Ratio Lower Upper

122 100

107 148.9 105.9 158.9

121 70.8 44.5 66.7#



#31

Naphthalene

Concen: 482.812 ng

RT: 10.832 min Scan# 1318

Delta R.T. 0.017 min

Lab File: BG060074.D

Acq: 18 Dec 2023 20:15

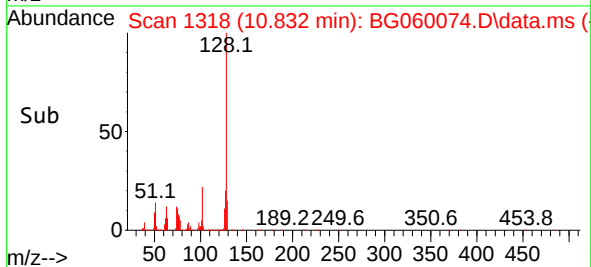
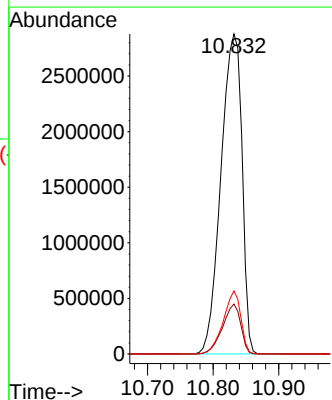
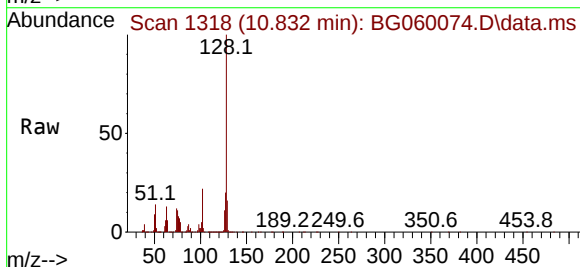
Tgt Ion:128 Resp: 6389538

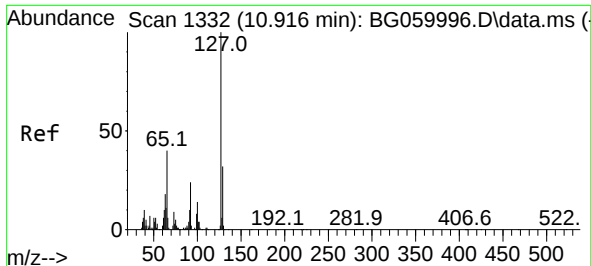
Ion Ratio Lower Upper

128 100

129 15.6 9.2 13.8#

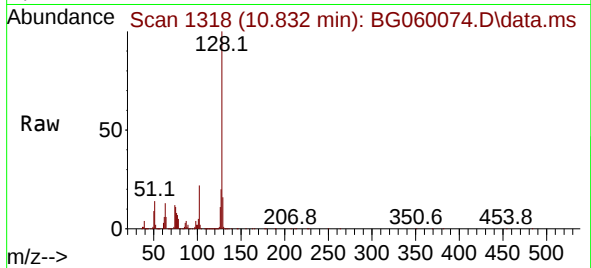
127 19.7 9.7 14.5#



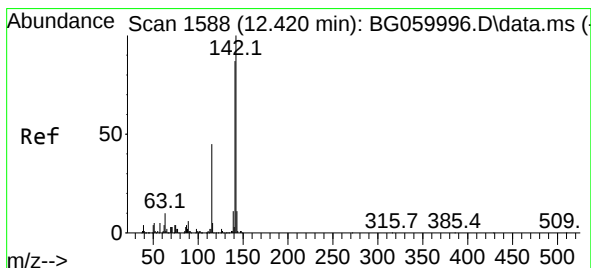
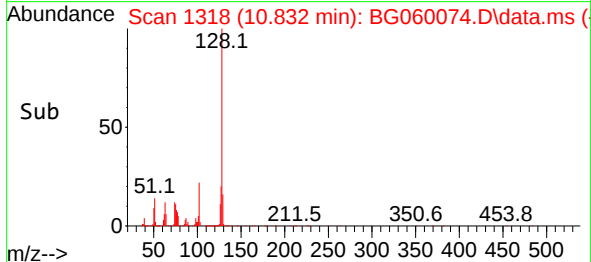
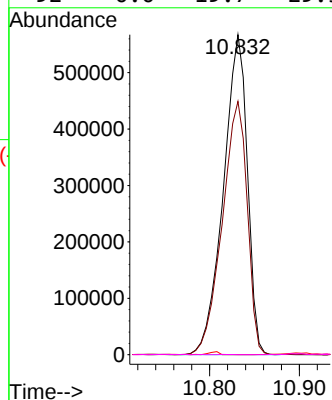


#33
4-Chloroaniline
Concen: 208.751 ng
RT: 10.832 min Scan# 11
Delta R.T. -0.082 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

Instrument :
BNA_F
ClientSampleId :

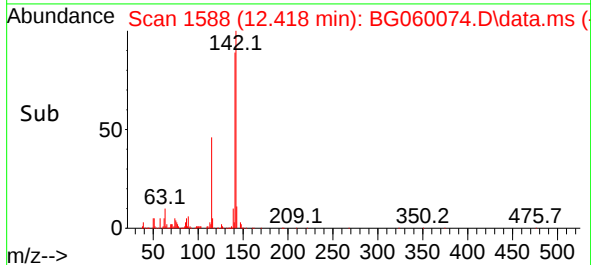
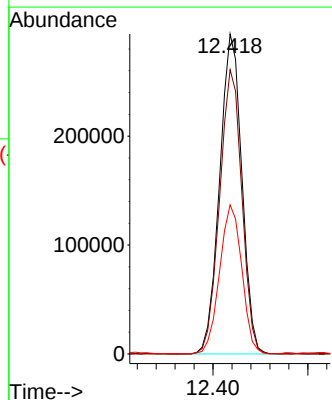
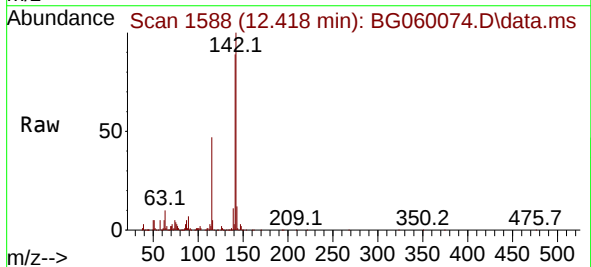


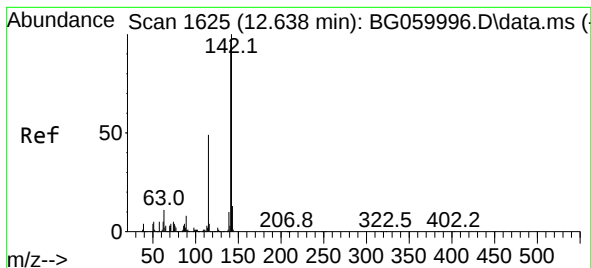
Tgt Ion:127 Resp: 1051171
Ion Ratio Lower Upper
127 100
129 79.2 25.7 38.5#
65 0.0 32.3 48.5#
92 0.0 19.7 29.5#



#37
2-Methylnaphthalene
Concen: 46.037 ng
RT: 12.418 min Scan# 1588
Delta R.T. -0.006 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

Tgt Ion:142 Resp: 477845
Ion Ratio Lower Upper
142 100
141 88.8 69.9 104.9
115 46.6 36.1 54.1





#38

1-Methylnaphthalene

Concen: 38.107 ng

RT: 12.635 min Scan# 1

Delta R.T. -0.006 min

Lab File: BG060074.D

Acq: 18 Dec 2023 20:15

Instrument :

BNA_F

ClientSampleId :

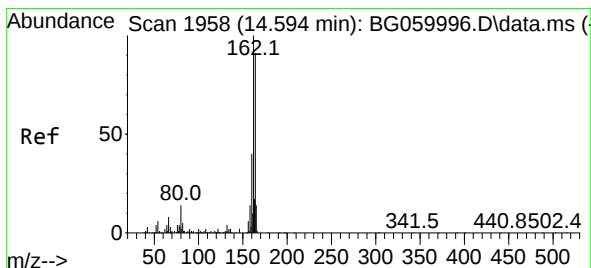
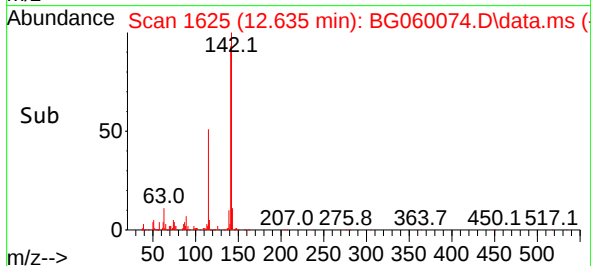
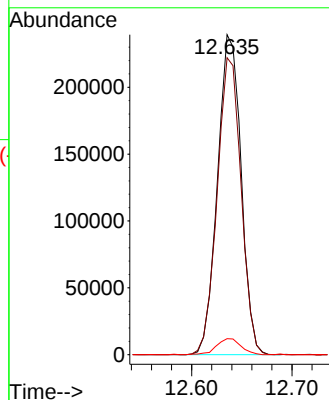
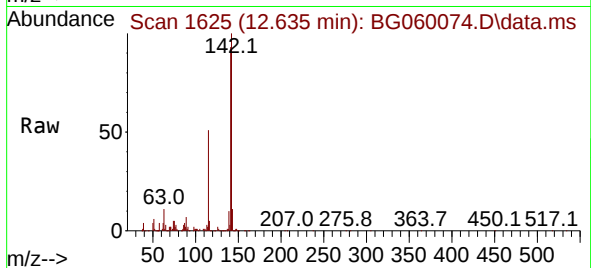
Tgt Ion:142 Resp: 390715

Ion Ratio Lower Upper

142 100

141 92.8 76.9 115.3

116 5.0 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: BG060074.D

Acq: 18 Dec 2023 20:15

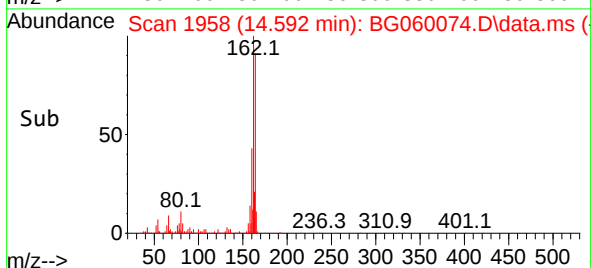
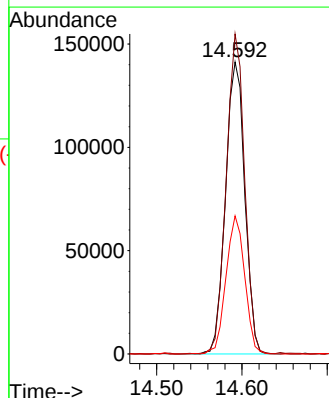
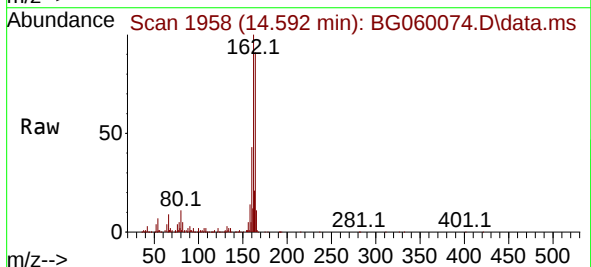
Tgt Ion:164 Resp: 222299

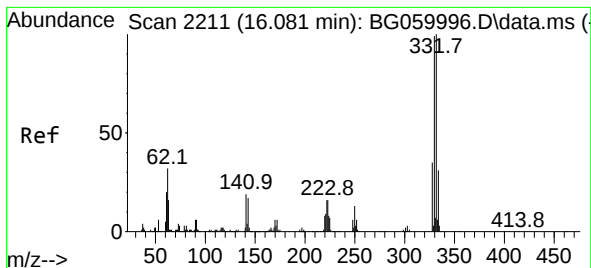
Ion Ratio Lower Upper

164 100

162 109.6 88.1 132.1

160 47.3 35.4 53.0





#42

2,4,6-Tribromophenol

Concen: 15.334 ng

RT: 16.078 min Scan# 21

Delta R.T. -0.006 min

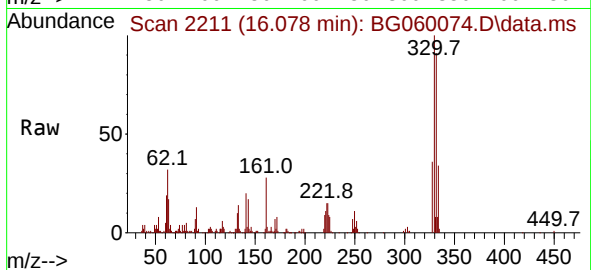
Lab File: BG060074.D

Acq: 18 Dec 2023 20:15

Instrument :

BNA_F

ClientSampleId :



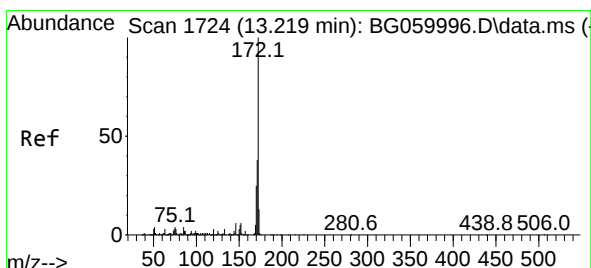
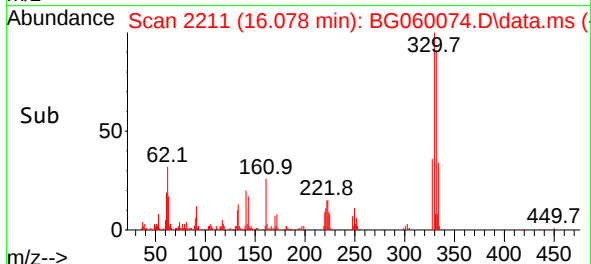
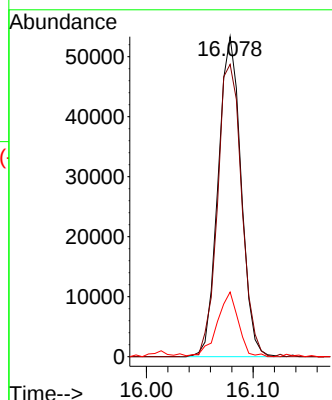
Tgt Ion:330 Resp: 79438

Ion Ratio Lower Upper

330 100

332 96.3 76.2 114.4

141 18.6 14.3 21.5



#45

2-Fluorobiphenyl

Concen: 9.815 ng

RT: 13.217 min Scan# 1724

Delta R.T. -0.000 min

Lab File: BG060074.D

Acq: 18 Dec 2023 20:15

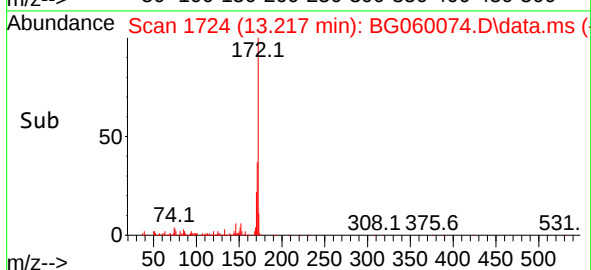
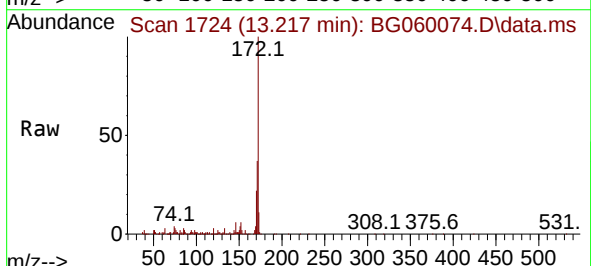
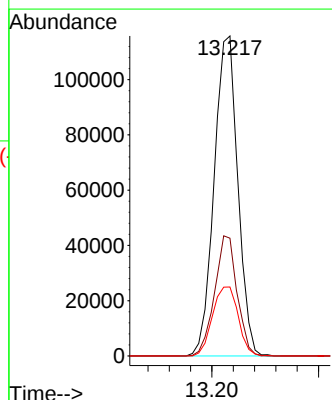
Tgt Ion:172 Resp: 178263

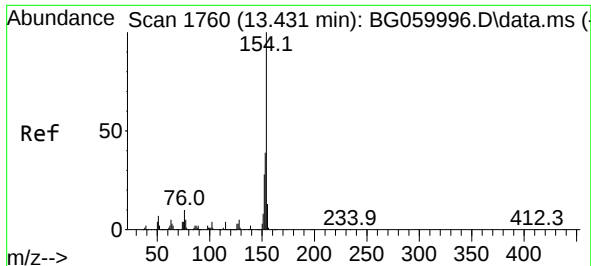
Ion Ratio Lower Upper

172 100

171 36.8 30.1 45.1

170 21.5 20.0 30.0

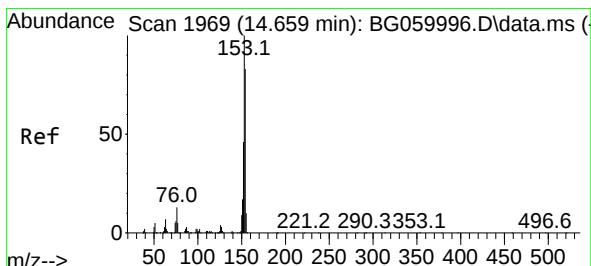
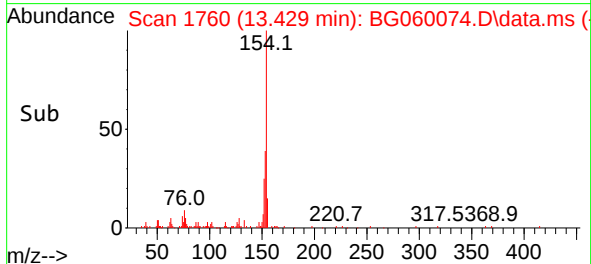
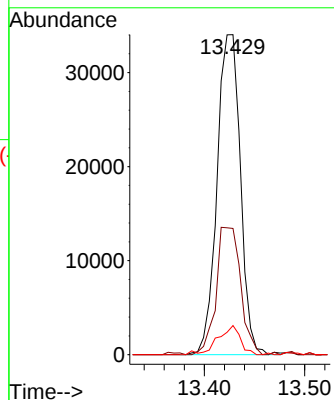
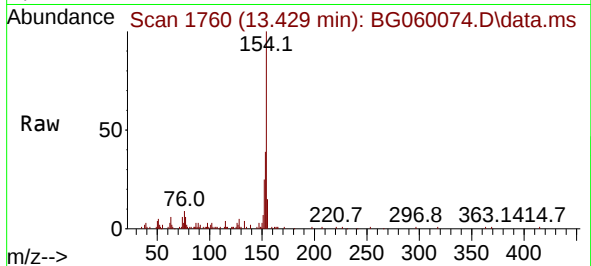




#46
1,1'-Biphenyl
Concen: 3.334 ng
RT: 13.429 min Scan# 1760
Delta R.T. -0.000 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

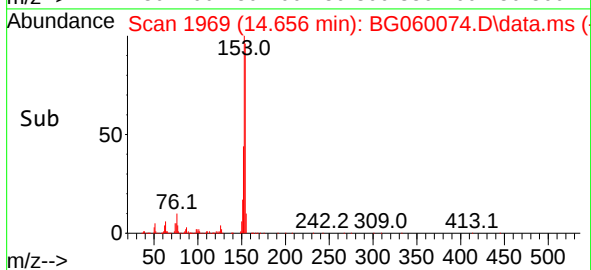
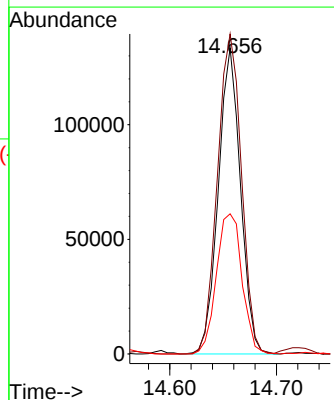
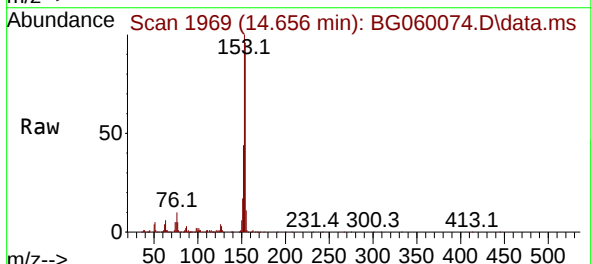
Instrument :
BNA_F
ClientSampleId :

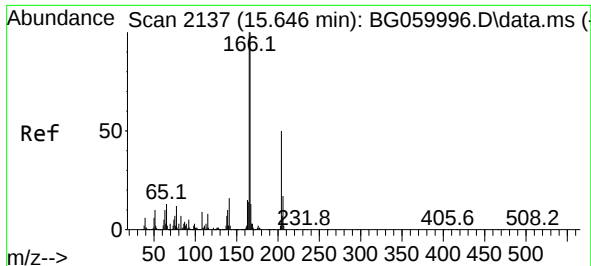
Tgt Ion:154 Resp: 54970
Ion Ratio Lower Upper
154 100
153 39.4 19.2 59.2
76 9.1 0.0 29.9



#52
Acenaphthene
Concen: 14.362 ng
RT: 14.656 min Scan# 1969
Delta R.T. -0.006 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

Tgt Ion:154 Resp: 193081
Ion Ratio Lower Upper
154 100
153 104.6 96.0 144.0
152 45.8 44.3 66.5

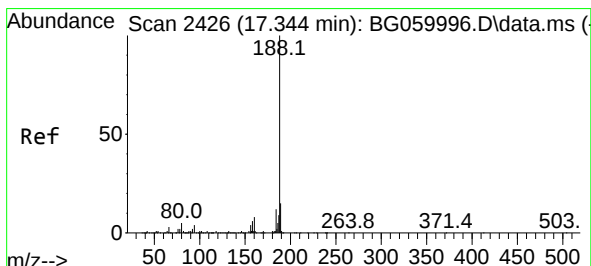
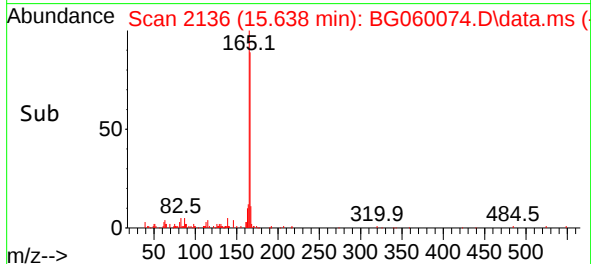
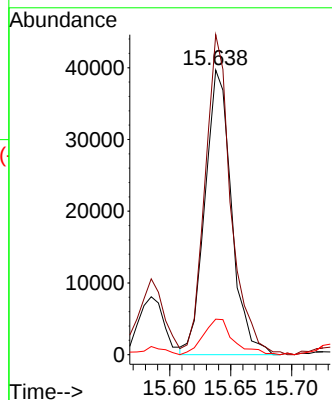
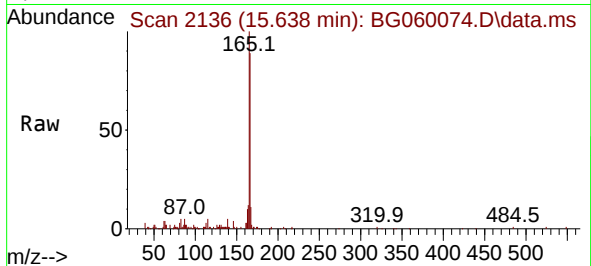




#58
 Fluorene
 Concen: 3.247 ng
 RT: 15.638 min Scan# 2136
 Delta R.T. -0.006 min
 Lab File: BG060074.D
 Acq: 18 Dec 2023 20:15

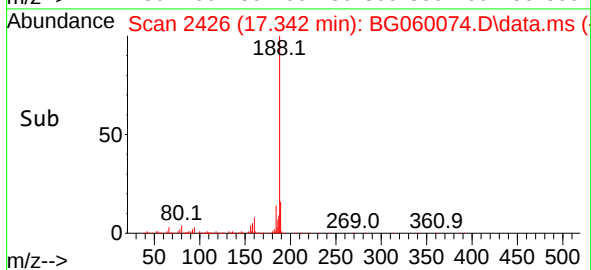
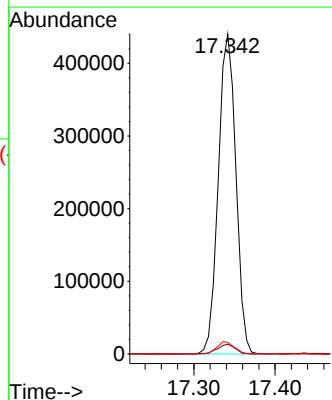
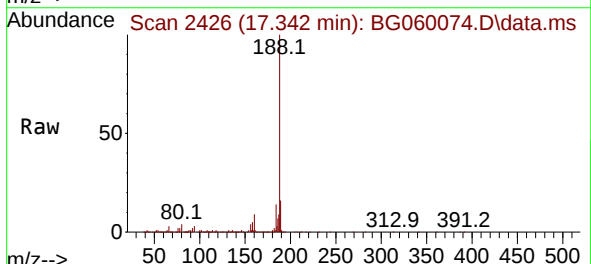
Instrument :
 BNA_F
 ClientSampleId :

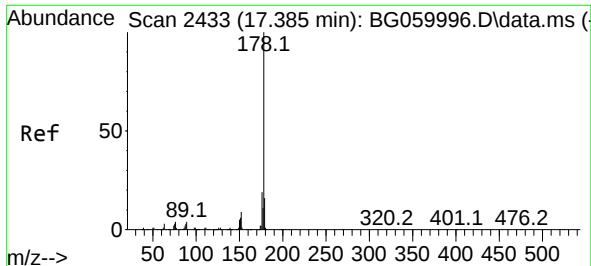
Tgt Ion:166 Resp: 59914
 Ion Ratio Lower Upper
 166 100
 165 112.4 80.2 120.2
 167 12.5 10.3 15.5



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.342 min Scan# 2426
 Delta R.T. -0.006 min
 Lab File: BG060074.D
 Acq: 18 Dec 2023 20:15

Tgt Ion:188 Resp: 661589
 Ion Ratio Lower Upper
 188 100
 94 3.1 3.0 4.6
 80 3.6 4.0 6.0#

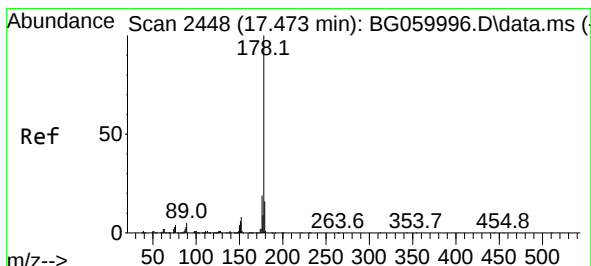
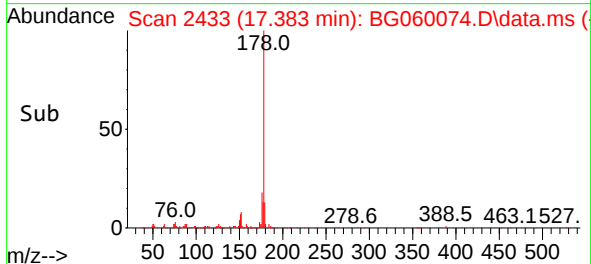
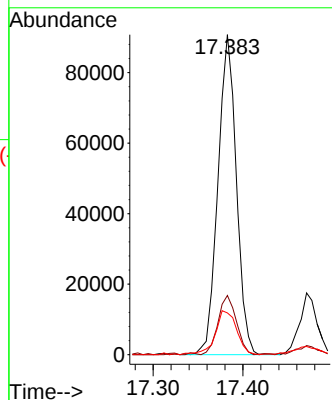
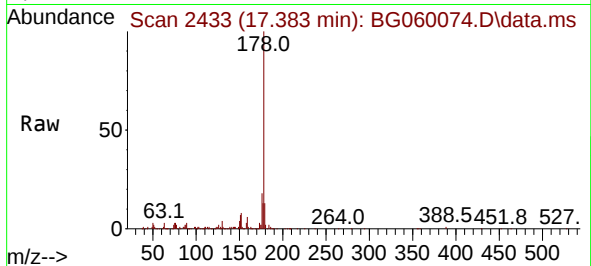




#71
Phenanthrene
Concen: 4.037 ng
RT: 17.383 min Scan# 2433
Delta R.T. -0.006 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

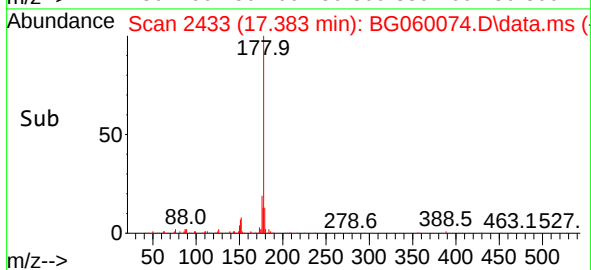
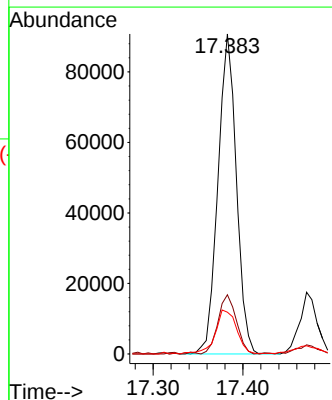
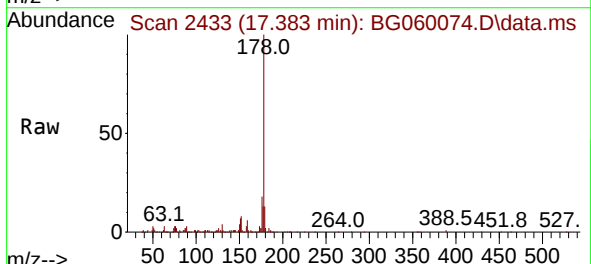
Instrument :
BNA_F
ClientSampleId :

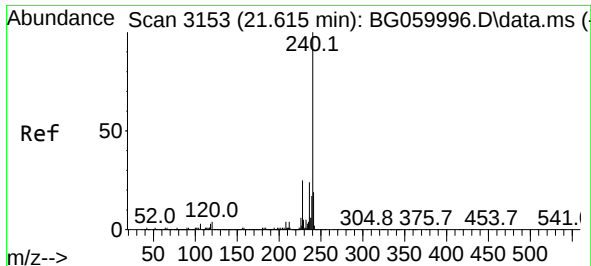
Tgt Ion:178 Resp: 129367
Ion Ratio Lower Upper
178 100
176 18.5 15.6 23.4
179 13.0 12.6 19.0



#72
Anthracene
Concen: 4.015 ng
RT: 17.383 min Scan# 2433
Delta R.T. -0.094 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

Tgt Ion:178 Resp: 129367
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.6
179 13.0 12.6 19.0

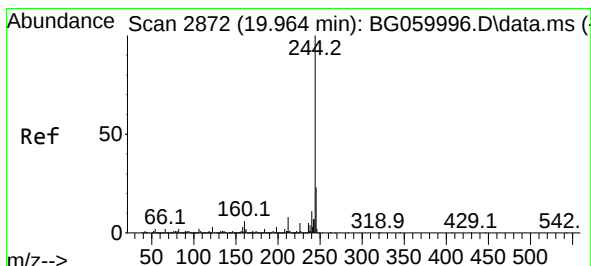
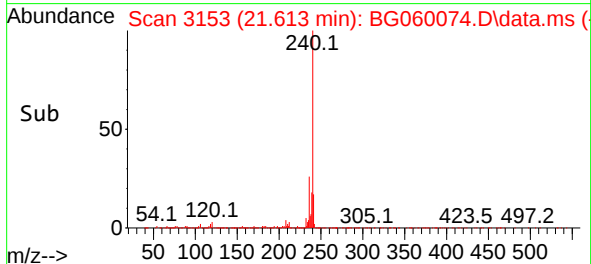
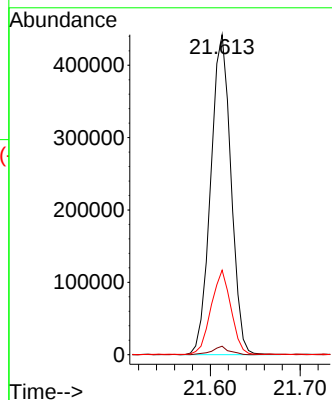
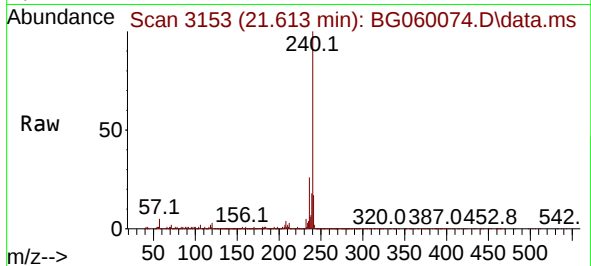




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.613 min Scan# 3153
Delta R.T. -0.006 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

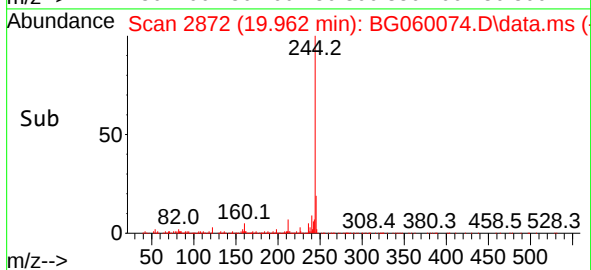
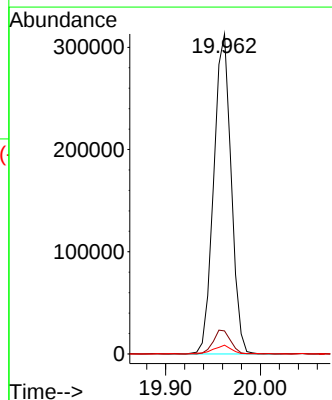
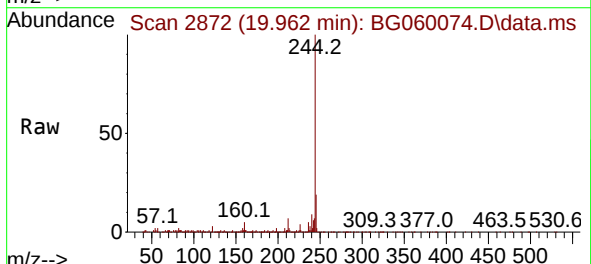
Instrument :
BNA_F
ClientSampleId :

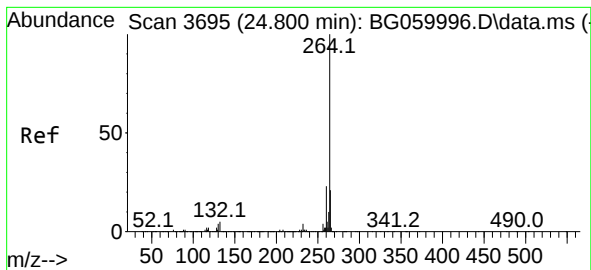
Tgt Ion:240 Resp: 693555
Ion Ratio Lower Upper
240 100
120 2.6 2.9 4.3#
236 26.4 19.4 29.2



#79
Terphenyl-d14
Concen: 10.506 ng
RT: 19.962 min Scan# 2872
Delta R.T. -0.006 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

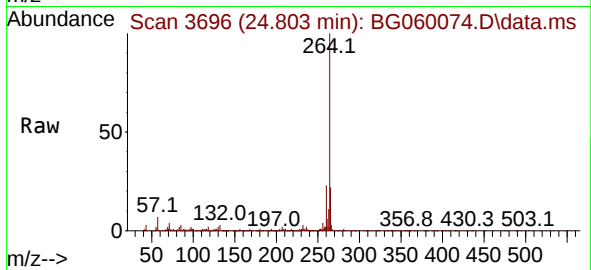
Tgt Ion:244 Resp: 399086
Ion Ratio Lower Upper
244 100
212 7.2 6.8 10.2
122 2.8 2.6 3.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.803 min Scan# 30
Delta R.T. -0.012 min
Lab File: BG060074.D
Acq: 18 Dec 2023 20:15

Instrument :
BNA_F
ClientSampleId :



Tgt Ion:264 Resp: 767305

Ion	Ratio	Lower	Upper
264	100		
260	23.4	18.5	27.7
265	22.0	17.3	25.9

