

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG013024\
 Data File : BG060489.D
 Acq On : 30 Jan 2024 18:42
 Operator : MA/JU
 Sample : PB158704BL
 Misc :
 ALS Vial : 3 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PB158704BL

Quant Time: Jan 31 01:22:59 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG010824.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jan 09 04:07:12 2024
 Response via : Initial Calibration

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

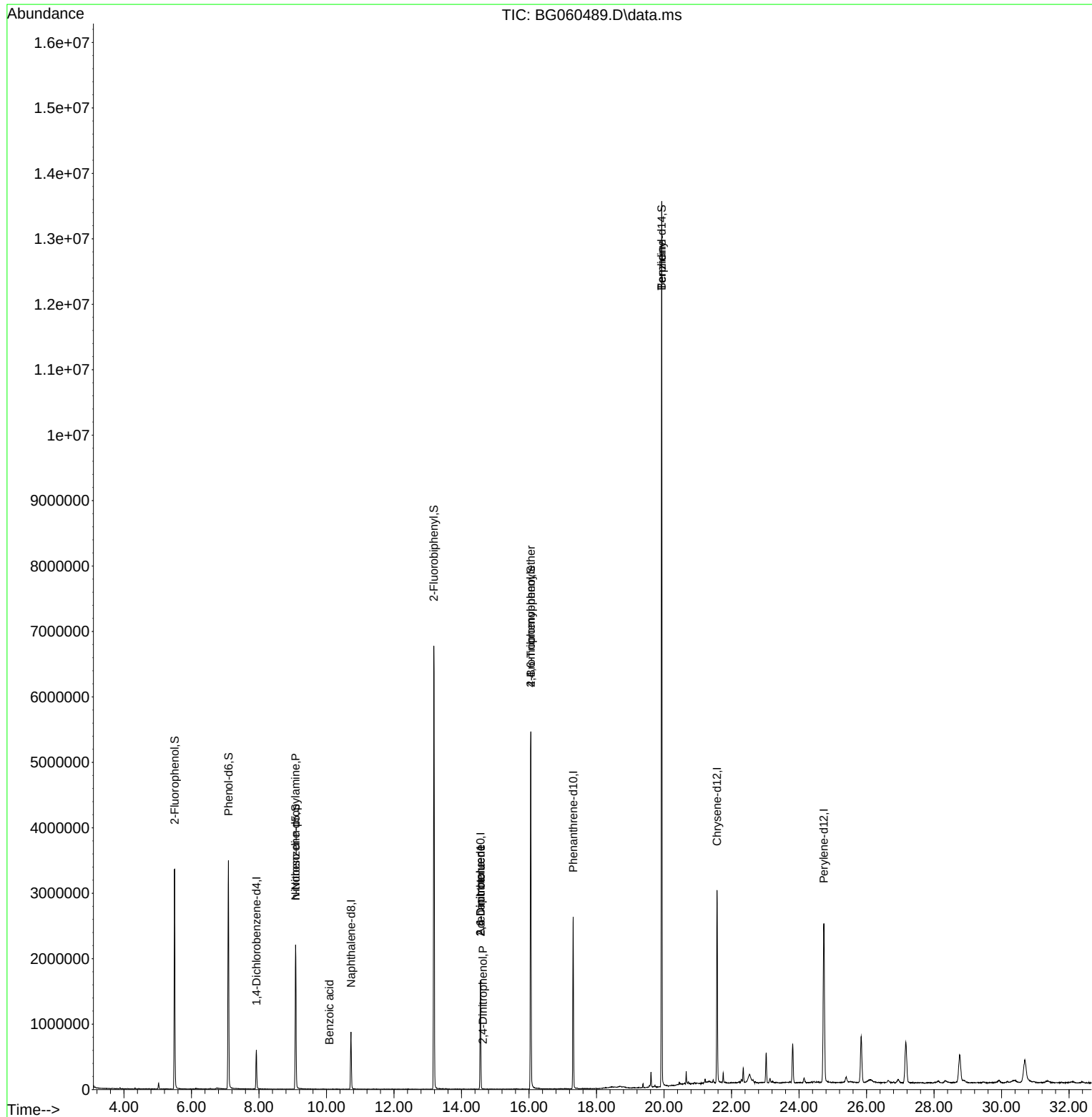
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.922	152	191961	20.000	ng	0.00
21) Naphthalene-d8	10.725	136	782763	20.000	ng	0.00
39) Acenaphthene-d10	14.562	164	610691	20.000	ng	0.00
64) Phenanthrene-d10	17.311	188	1763385	20.000	ng	0.00
76) Chrysene-d12	21.571	240	1815919	20.000	ng	0.00
86) Perylene-d12	24.732	264	1949196	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.502	112	1632580	139.885	ng	0.00
7) Phenol-d6	7.094	99	2358120	136.451	ng	0.00
23) Nitrobenzene-d5	9.086	82	1524565	91.969	ng	0.00
42) 2,4,6-Tribromophenol	16.054	330	1290820	143.663	ng	0.00
45) 2-Fluorobiphenyl	13.181	172	3775761	85.960	ng	0.00
79) Terphenyl-d14	19.932	244	6113217	84.837	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.086	70	184430	15.419	ng	Qvalue 82
32) Benzoic acid	10.084	122	55	10.207	ng	# 1
51) 2,6-Dinitrotoluene	14.562	165	79219	7.955	ng	# 34
54) 2,4-Dinitrophenol	14.632	184	68	8.597	ng	# 27
57) 2,4-Dinitrotoluene	14.562	165	79214	5.801	ng	# 26
67) 4-Bromophenyl-phenylether	16.054	248	85220	4.398	ng	# 1
77) Benzidine	19.932	184	125394	3.178	ng	# 95

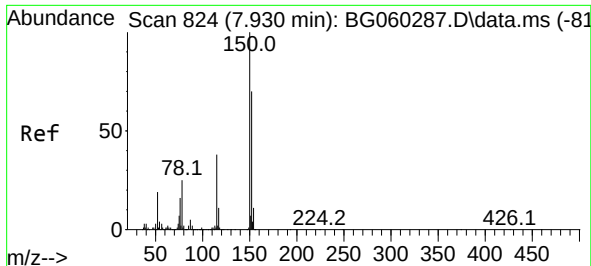
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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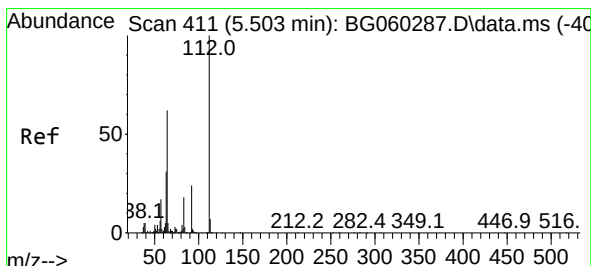
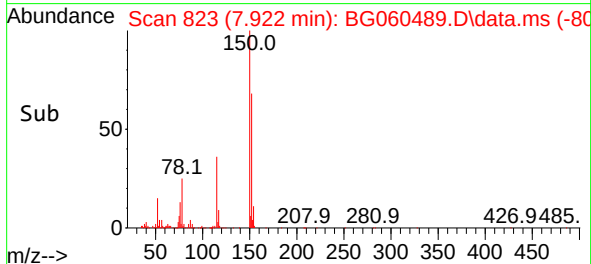
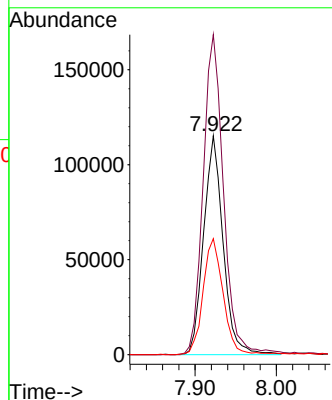
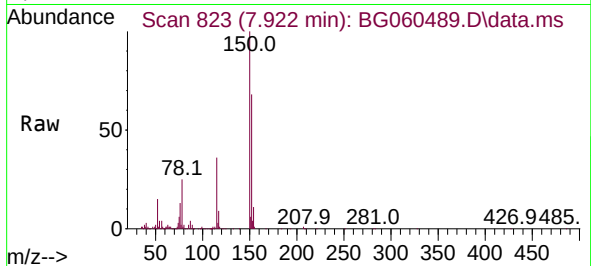




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.922 min Scan# 81
Delta R.T. -0.008 min
Lab File: BG060489.D
Acq: 30 Jan 2024 18:42

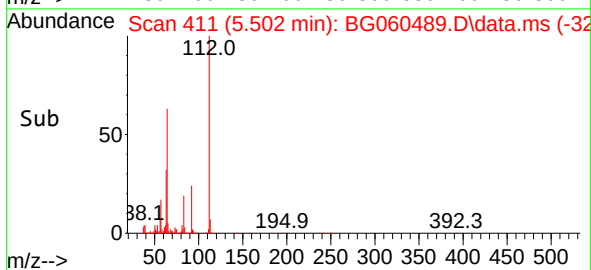
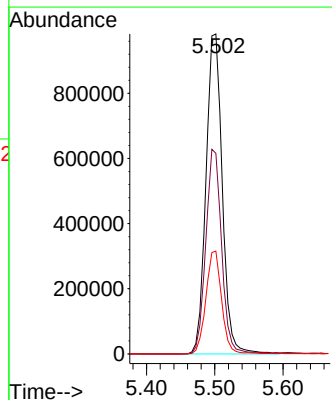
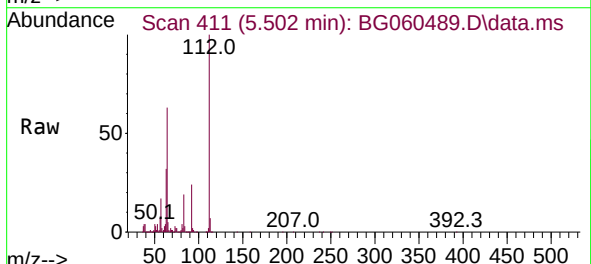
Instrument :
BNA_G
ClientSampleId :
PB158704BL

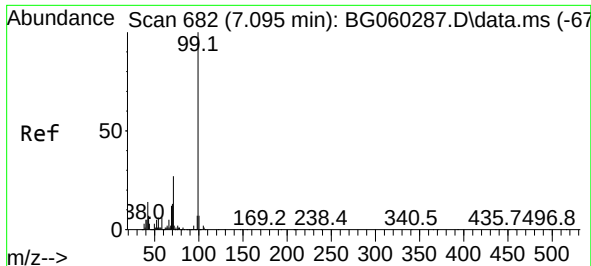
Tgt Ion:152 Resp: 191961
Ion Ratio Lower Upper
152 100
150 146.2 114.5 171.7
115 53.0 43.0 64.6



#5
2-Fluorophenol
Concen: 139.885 ng
RT: 5.502 min Scan# 411
Delta R.T. -0.001 min
Lab File: BG060489.D
Acq: 30 Jan 2024 18:42

Tgt Ion:112 Resp: 1632580
Ion Ratio Lower Upper
112 100
64 62.7 49.8 74.6
63 32.1 24.4 36.6

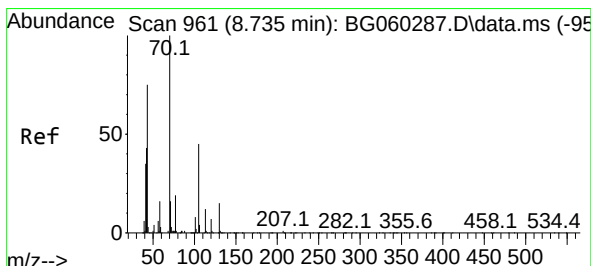
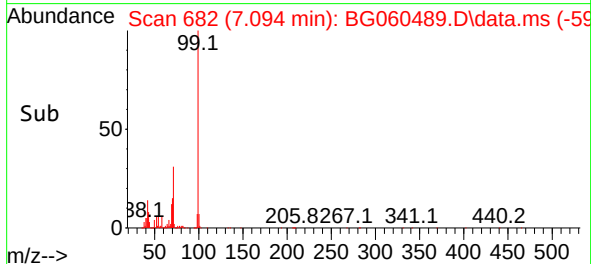
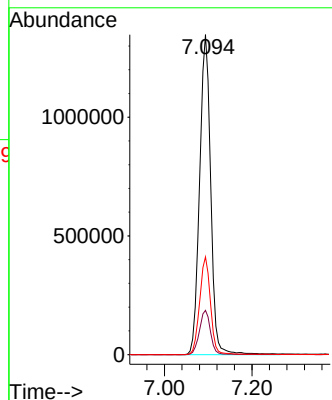
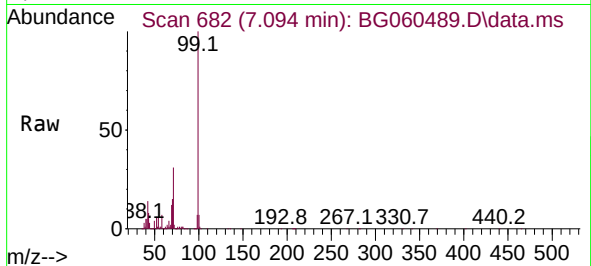




#7
Phenol-d6
Concen: 136.451 ng
RT: 7.094 min Scan# 682
Delta R.T. -0.001 min
Lab File: BG060489.D
Acq: 30 Jan 2024 18:42

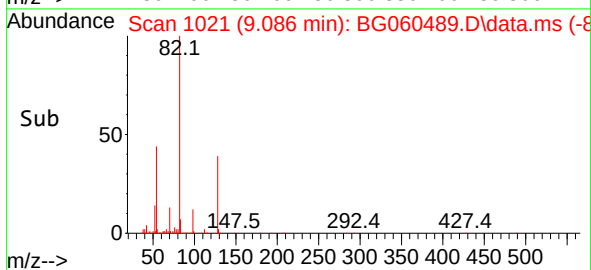
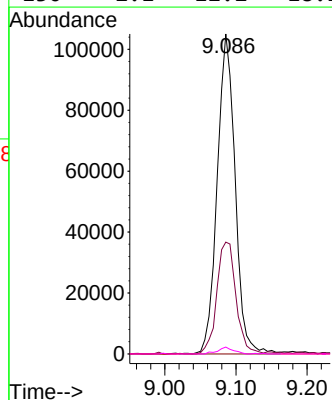
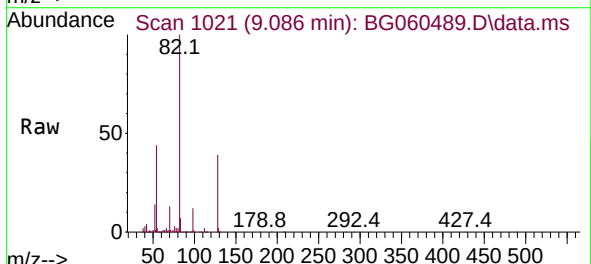
Instrument :
BNA_G
ClientSampleId :
PB158704BL

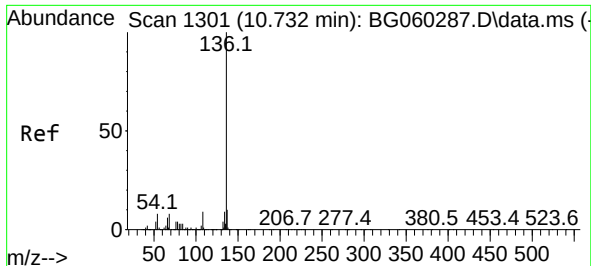
Tgt Ion: 99 Resp: 2358120
Ion Ratio Lower Upper
99 100
42 13.8 10.9 16.3
71 30.5 21.5 32.3



#19
n-Nitroso-di-n-propylamine
Concen: 15.419 ng
RT: 9.086 min Scan# 1021
Delta R.T. 0.351 min
Lab File: BG060489.D
Acq: 30 Jan 2024 18:42

Tgt Ion: 70 Resp: 184430
Ion Ratio Lower Upper
70 100
42 34.9 34.3 51.5
101 0.0 6.2 9.2#
130 2.1 12.2 18.2#

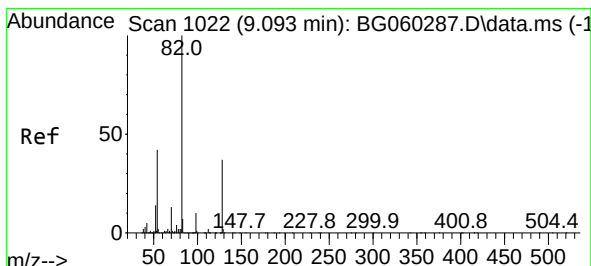
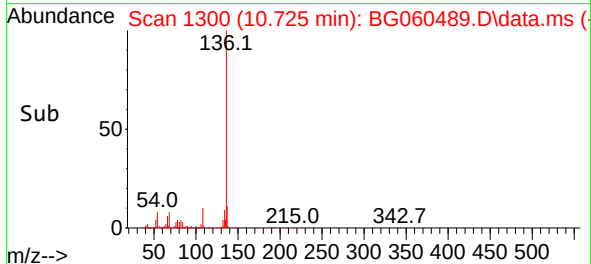
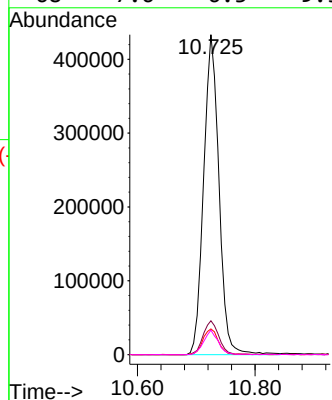
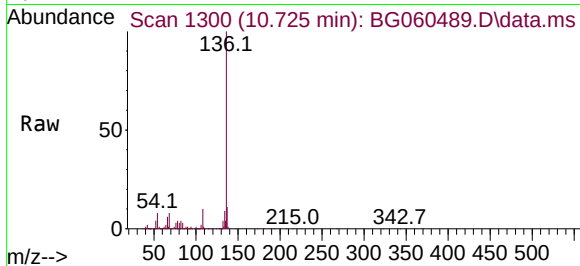




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.725 min Scan# 1301
Delta R.T. -0.007 min
Lab File: BG060489.D
Acq: 30 Jan 2024 18:42

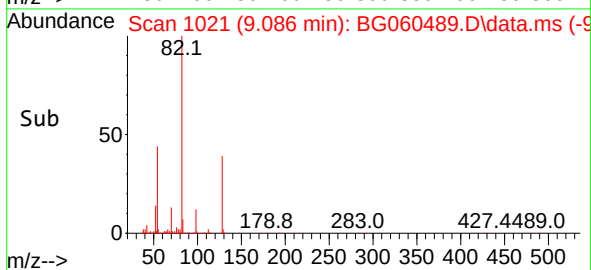
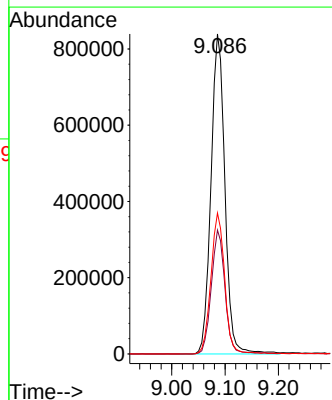
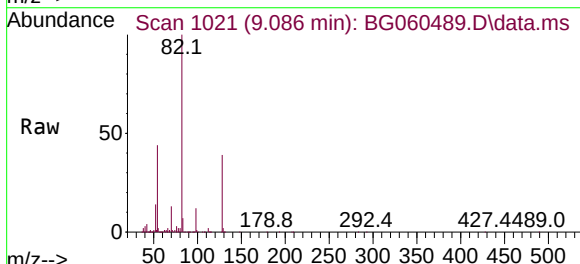
Instrument :
BNA_G
ClientSampleId :
PB158704BL

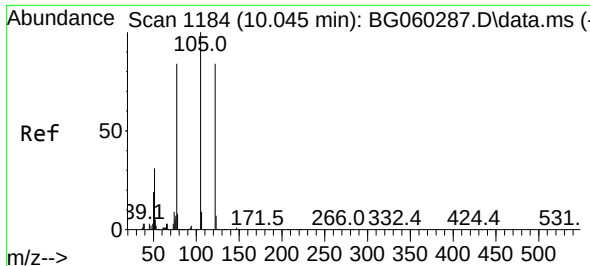
Tgt Ion:	136	Resp:	782763
Ion	Ratio	Lower	Upper
136	100		
137	10.6	8.2	12.4
54	8.0	6.2	9.2
68	7.6	6.3	9.5



#23
Nitrobenzene-d5
Concen: 91.969 ng
RT: 9.086 min Scan# 1021
Delta R.T. -0.007 min
Lab File: BG060489.D
Acq: 30 Jan 2024 18:42

Tgt Ion:	82	Resp:	1524565
Ion	Ratio	Lower	Upper
82	100		
128	38.7	29.6	44.4
54	44.0	33.6	50.4

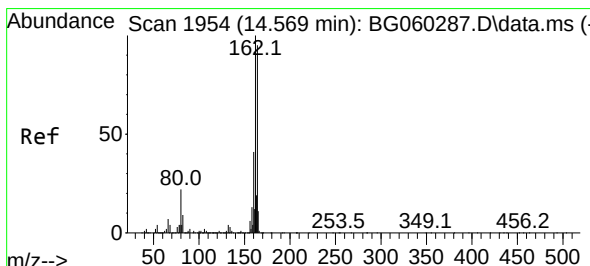
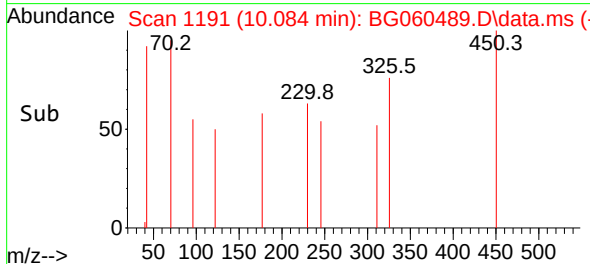
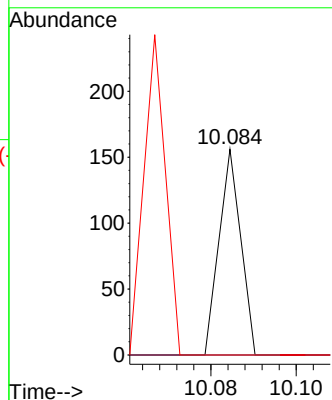
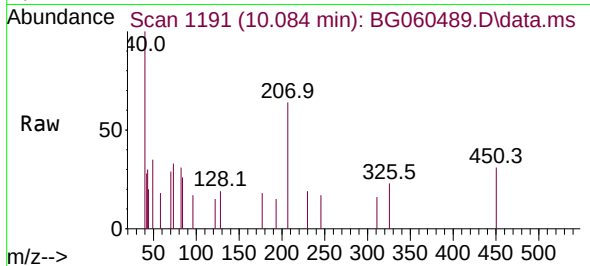




#32
Benzoic acid
Concen: 10.207 ng
RT: 10.084 min Scan# 1184
Delta R.T. 0.039 min
Lab File: BG060489.D
Acq: 30 Jan 2024 18:42

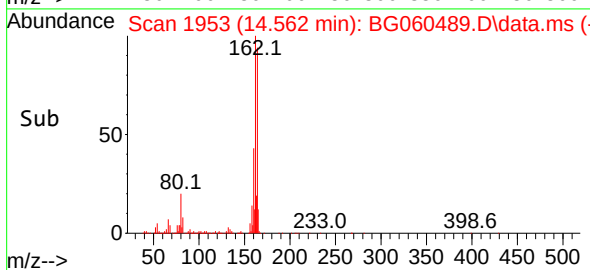
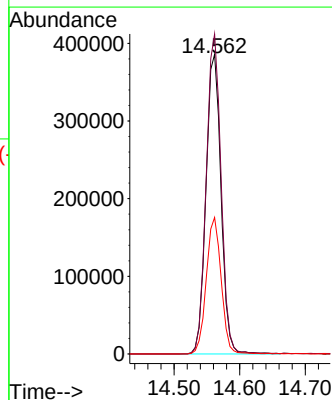
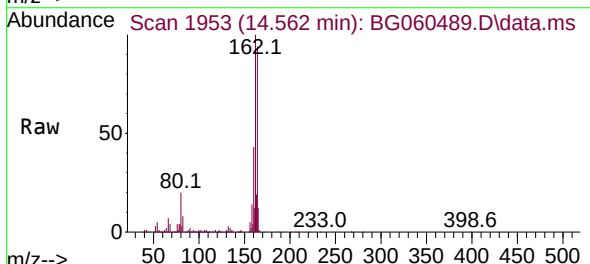
Instrument :
BNA_G
ClientSampleId :
PB158704BL

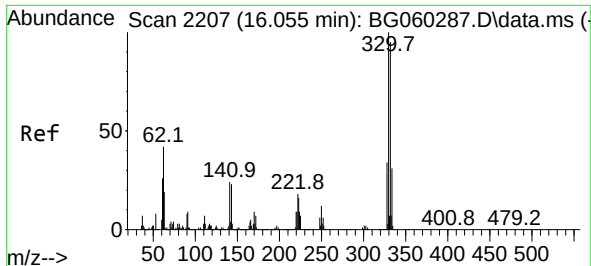
Tgt Ion:122 Resp: 55
Ion Ratio Lower Upper
122 100
105 0.0 96.0 136.0#
77 0.0 80.1 120.1#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.562 min Scan# 1953
Delta R.T. -0.007 min
Lab File: BG060489.D
Acq: 30 Jan 2024 18:42

Tgt Ion:164 Resp: 610691
Ion Ratio Lower Upper
164 100
162 106.8 84.4 126.6
160 45.5 34.6 52.0





#42

2,4,6-Tribromophenol

Concen: 143.663 ng

RT: 16.054 min Scan# 21

Delta R.T. -0.001 min

Lab File: BG060489.D

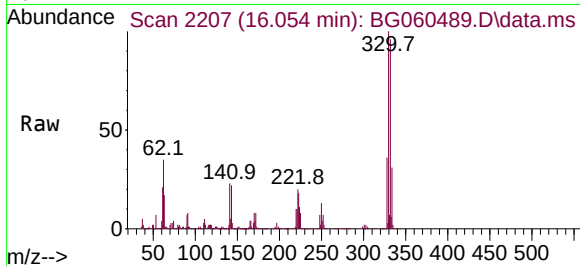
Acq: 30 Jan 2024 18:42

Instrument :

BNA_G

ClientSampleId :

PB158704BL



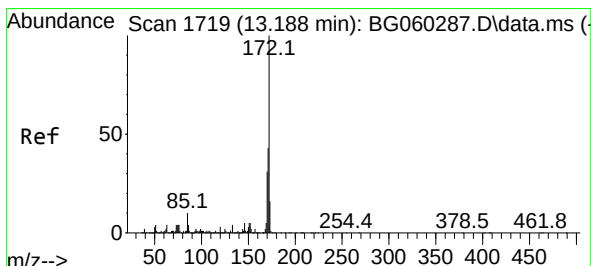
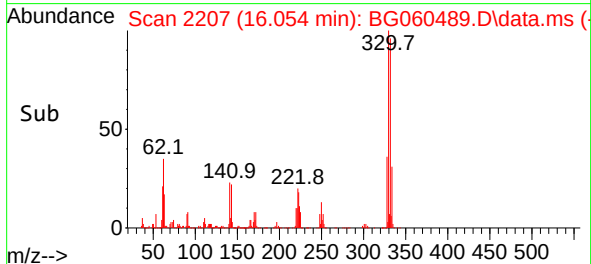
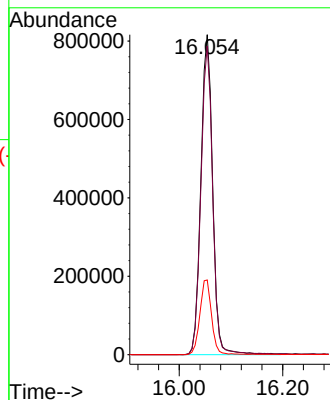
Tgt Ion:330 Resp: 1290820

Ion Ratio Lower Upper

330 100

332 95.6 76.7 115.1

141 23.1 18.6 28.0



#45

2-Fluorobiphenyl

Concen: 85.960 ng

RT: 13.181 min Scan# 1718

Delta R.T. -0.007 min

Lab File: BG060489.D

Acq: 30 Jan 2024 18:42

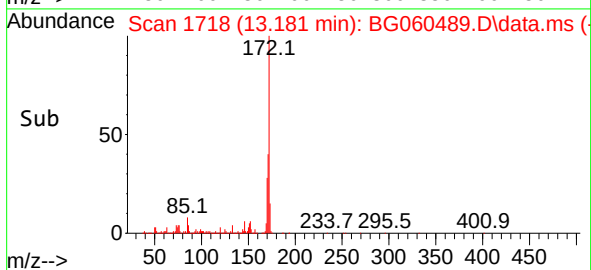
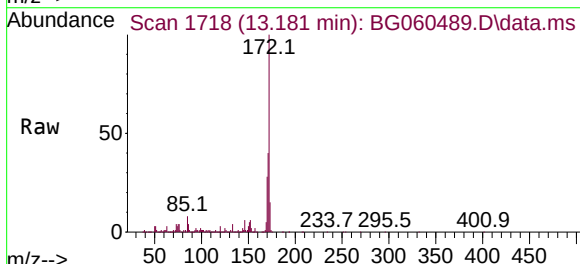
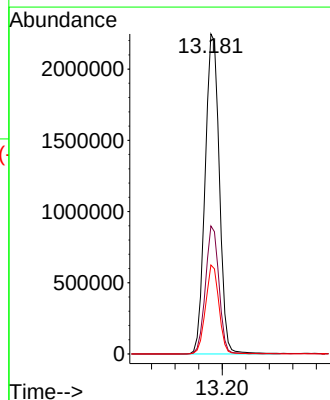
Tgt Ion:172 Resp: 3775761

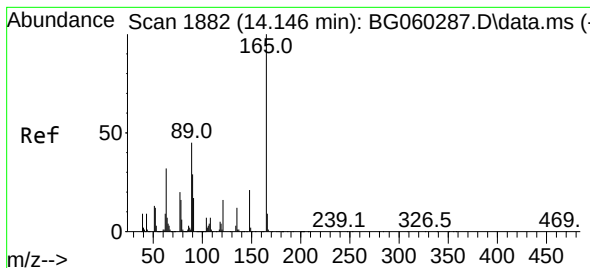
Ion Ratio Lower Upper

172 100

171 40.0 34.6 51.8

170 27.8 24.4 36.6





#51

2,6-Dinitrotoluene

Concen: 7.955 ng

RT: 14.562 min Scan# 1953

Delta R.T. 0.416 min

Lab File: BG060489.D

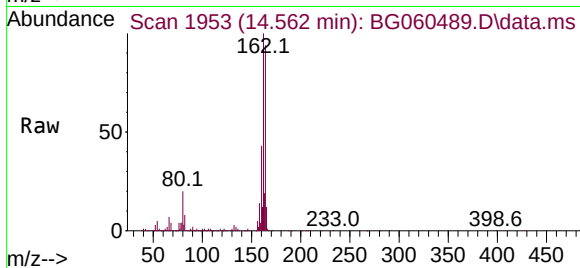
Acq: 30 Jan 2024 18:42

Instrument :

BNA_G

ClientSampleId :

PB158704BL



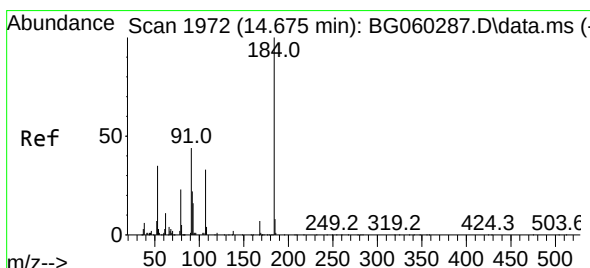
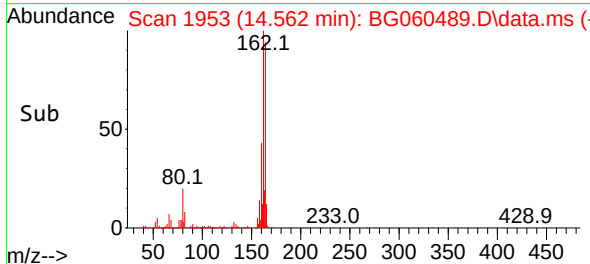
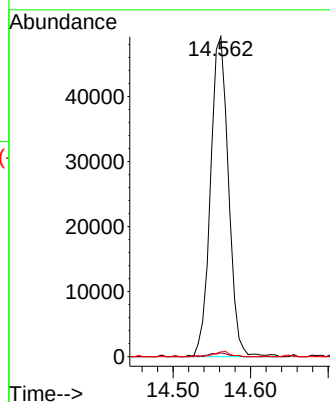
Tgt Ion:165 Resp: 79219

Ion Ratio Lower Upper

165 100

63 1.2 35.0 52.4#

89 1.5 36.2 54.2#



#54

2,4-Dinitrophenol

Concen: 8.597 ng

RT: 14.632 min Scan# 1965

Delta R.T. -0.043 min

Lab File: BG060489.D

Acq: 30 Jan 2024 18:42

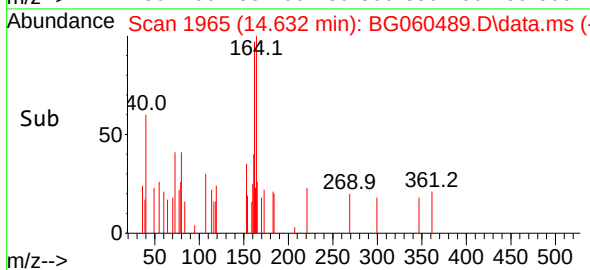
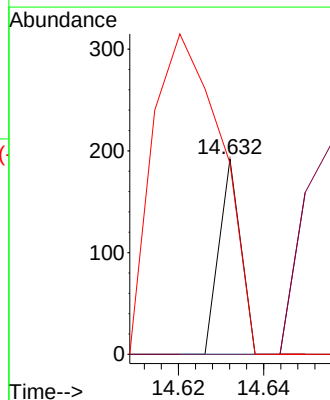
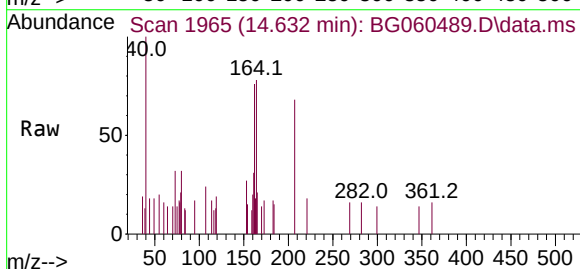
Tgt Ion:184 Resp: 68

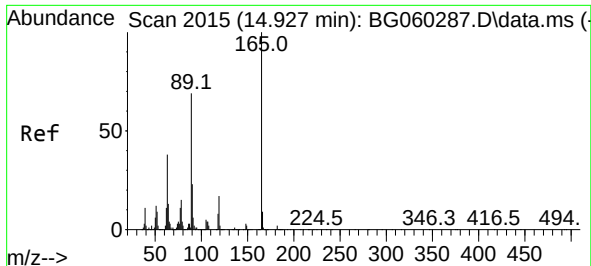
Ion Ratio Lower Upper

184 100

63 0.0 41.0 61.4#

154 97.9 39.2 58.8#

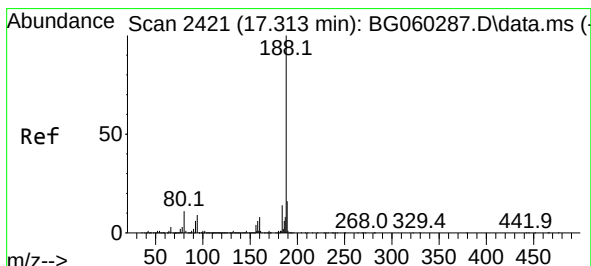
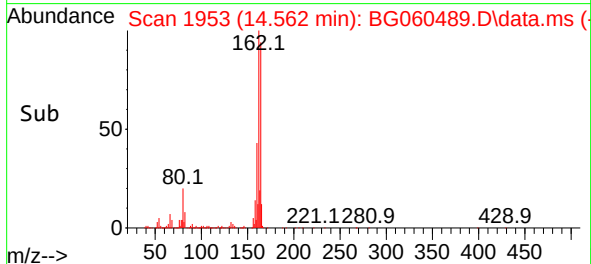
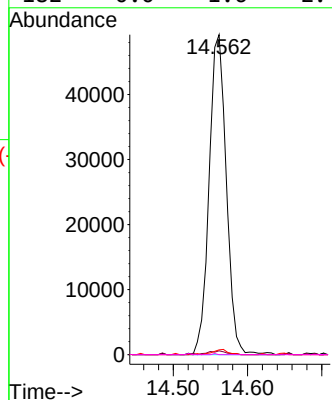
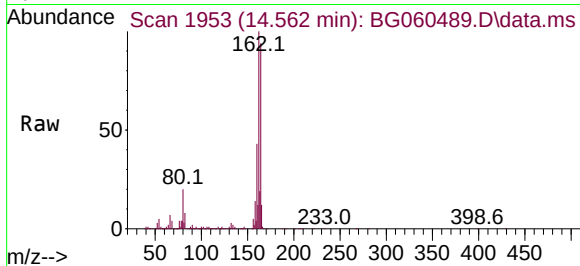




#57
2,4-Dinitrotoluene
Concen: 5.801 ng
RT: 14.562 min Scan# 1953
Delta R.T. -0.366 min
Lab File: BG060489.D
Acq: 30 Jan 2024 18:42

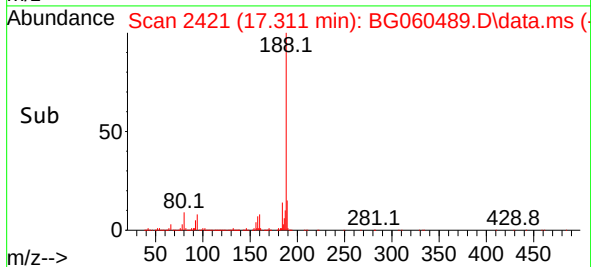
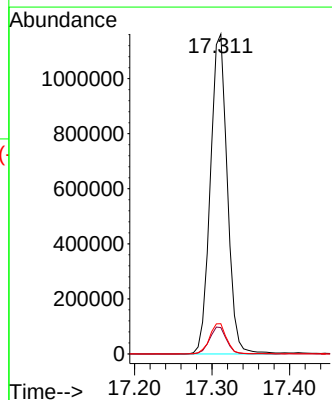
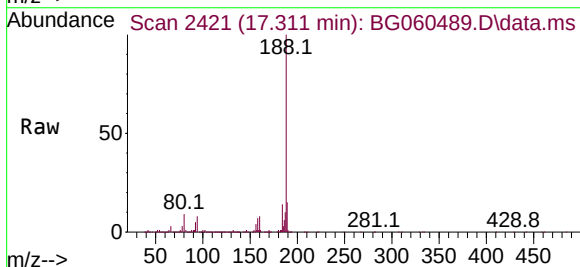
Instrument :
BNA_G
ClientSampleId :
PB158704BL

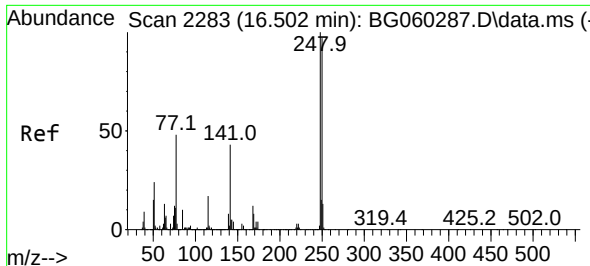
Tgt Ion:165 Resp: 79214
Ion Ratio Lower Upper
165 100
63 1.2 30.4 45.6#
89 1.5 55.4 83.0#
182 0.0 1.6 2.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.311 min Scan# 2421
Delta R.T. -0.001 min
Lab File: BG060489.D
Acq: 30 Jan 2024 18:42

Tgt Ion:188 Resp: 1763385
Ion Ratio Lower Upper
188 100
94 8.2 7.1 10.7
80 9.4 8.5 12.7

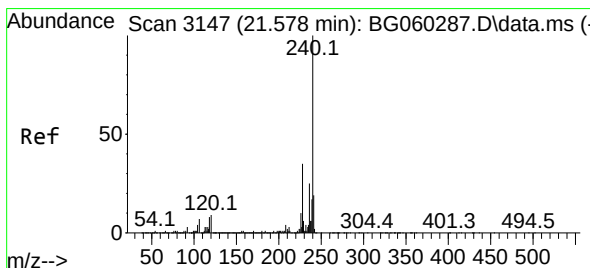
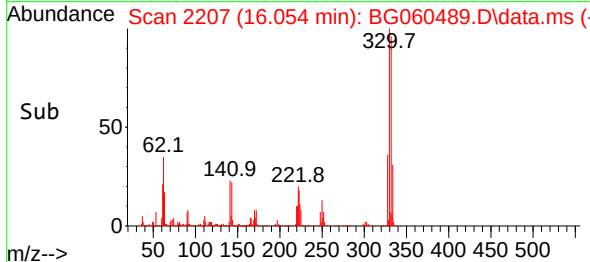
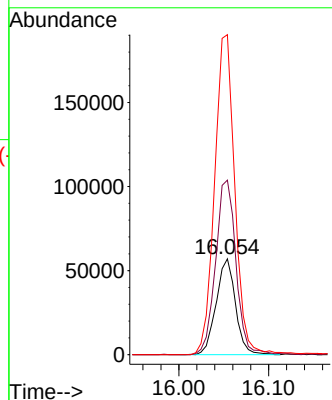
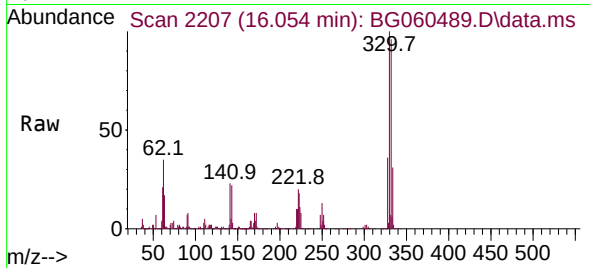




#67
4-Bromophenyl-phenylether
Concen: 4.398 ng
RT: 16.054 min Scan# 21
Delta R.T. -0.448 min
Lab File: BG060489.D
Acq: 30 Jan 2024 18:42

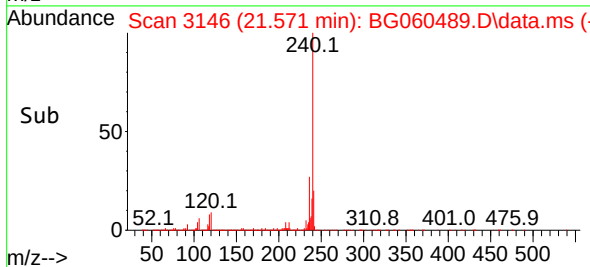
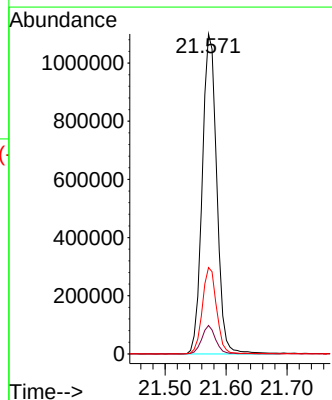
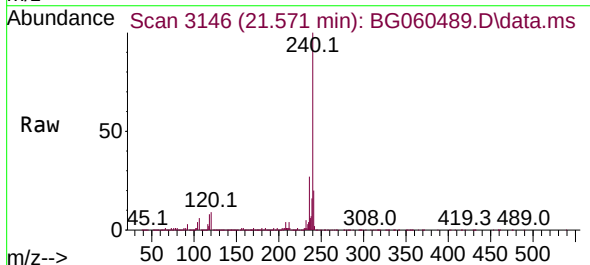
Instrument :
BNA_G
ClientSampleId :
PB158704BL

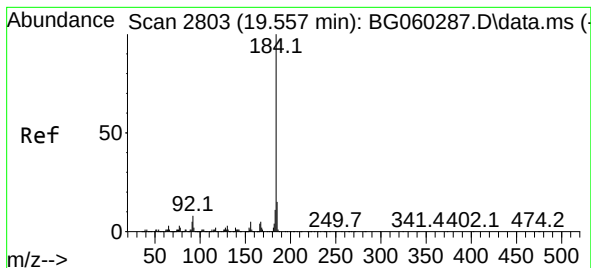
Tgt Ion:248 Resp: 85220
Ion Ratio Lower Upper
248 100
250 182.1 77.6 116.4#
141 334.0 34.2 51.4#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.571 min Scan# 3146
Delta R.T. -0.007 min
Lab File: BG060489.D
Acq: 30 Jan 2024 18:42

Tgt Ion:240 Resp: 1815919
Ion Ratio Lower Upper
240 100
120 8.9 7.3 10.9
236 27.0 20.3 30.5





#77

Benzidine

Concen: 3.178 ng

RT: 19.932 min Scan# 2867

Delta R.T. 0.375 min

Lab File: BG060489.D

Acq: 30 Jan 2024 18:42

Instrument :

BNA_G

ClientSampleId :

PB158704BL

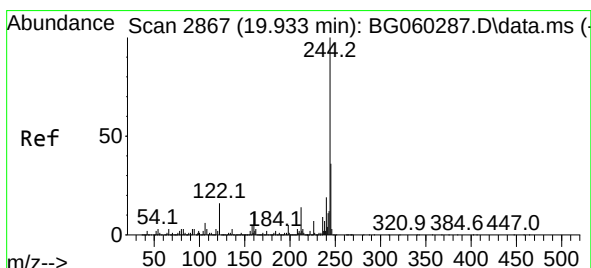
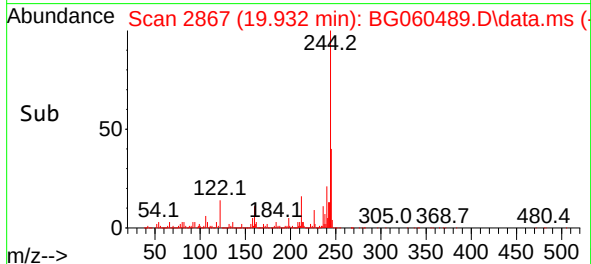
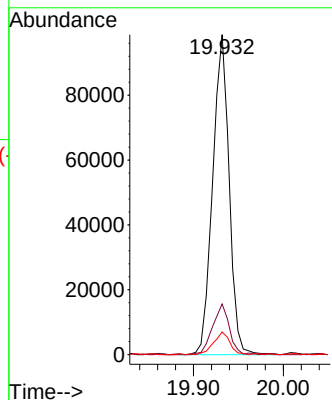
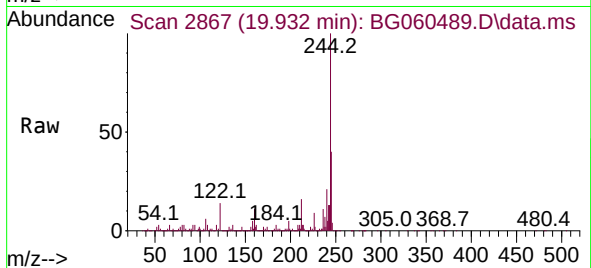
Tgt Ion:184 Resp: 125394

Ion Ratio Lower Upper

184 100

185 15.9 12.2 18.4

183 7.1 9.0 13.4#



#79

Terphenyl-d14

Concen: 84.837 ng

RT: 19.932 min Scan# 2867

Delta R.T. -0.001 min

Lab File: BG060489.D

Acq: 30 Jan 2024 18:42

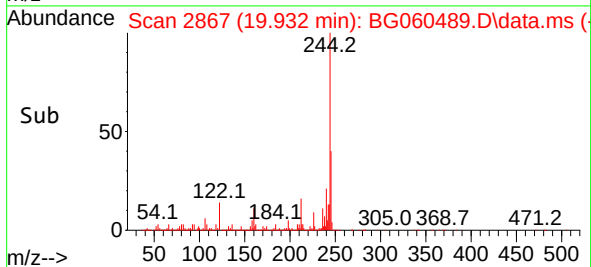
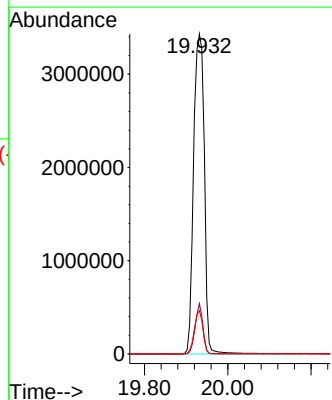
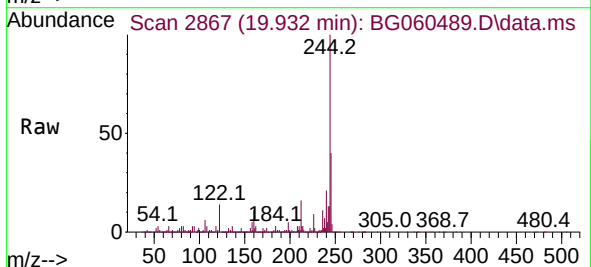
Tgt Ion:244 Resp: 6113217

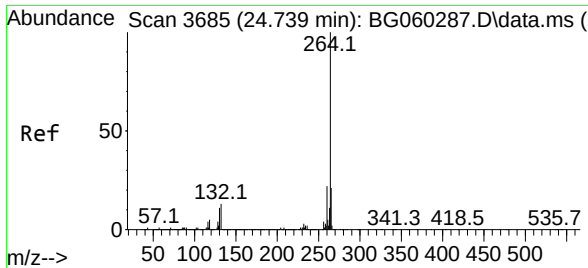
Ion Ratio Lower Upper

244 100

212 15.7 10.9 16.3

122 13.5 12.6 18.8





#86
Perylene-d12
Concen: 20.000 ng
RT: 24.732 min Scan# 30
Delta R.T. -0.007 min
Lab File: BG060489.D
Acq: 30 Jan 2024 18:42

Instrument :
BNA_G
ClientSampleId :
PB158704BL

Tgt Ion:264 Resp: 1949196

Ion	Ratio	Lower	Upper
264	100		
260	23.0	17.8	26.6
265	22.0	16.8	25.2

