

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG012324\
 Data File : BG060411.D
 Acq On : 23 Jan 2024 19:59
 Operator : MA/JU
 Sample : P1221-03
 Misc :
 ALS Vial : 17 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 MH-A

Quant Time: Jan 24 03:18:42 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)

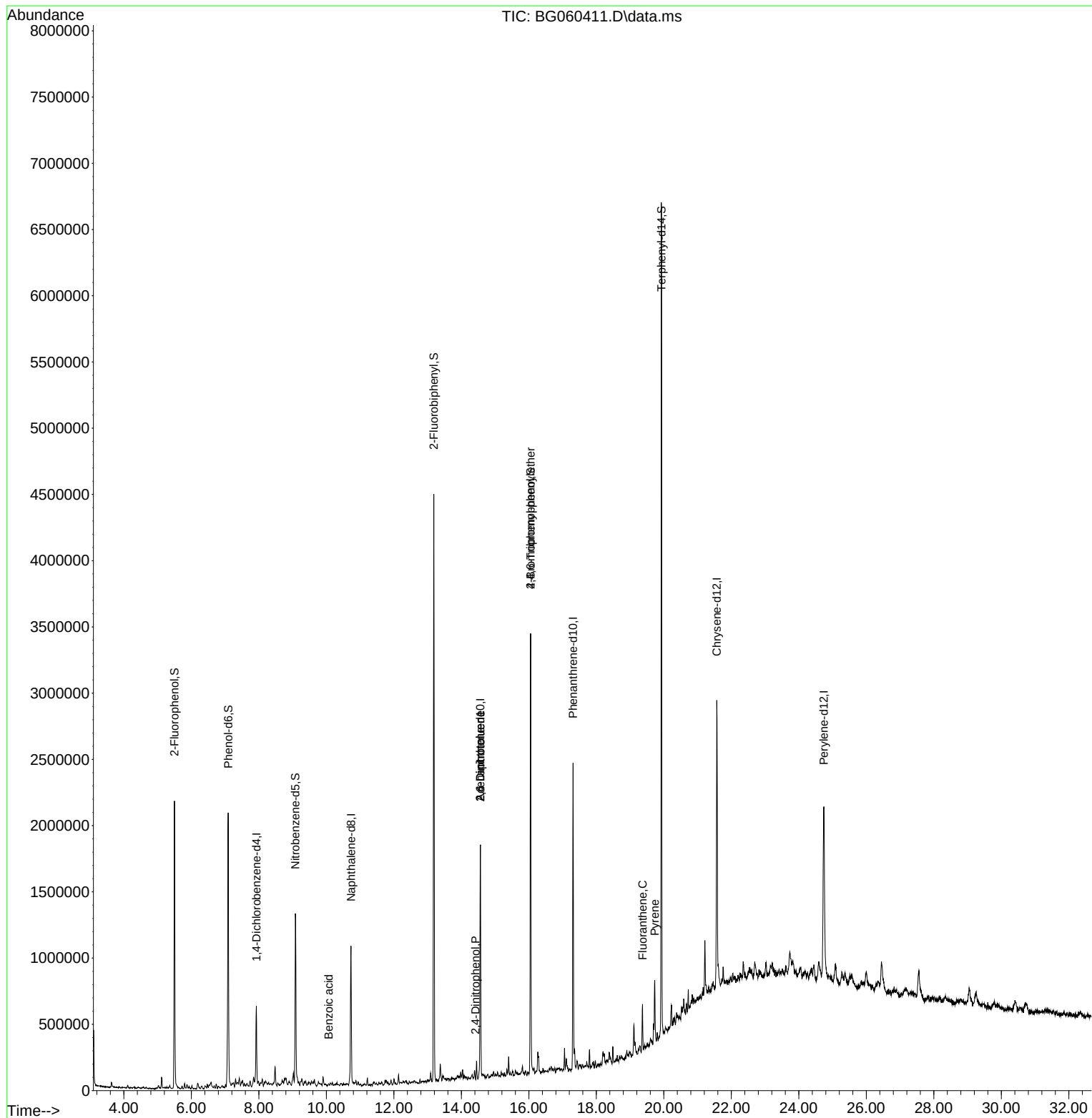
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.927	152	191847	20.000	ng	0.00
21) Naphthalene-d8	10.730	136	937666	20.000	ng	0.00
39) Acenaphthene-d10	14.560	164	658401	20.000	ng	0.00
64) Phenanthrene-d10	17.310	188	1528661	20.000	ng	0.00
76) Chrysene-d12	21.570	240	1347700	20.000	ng	0.00
86) Perylene-d12	24.737	264	1519649	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.500	112	1033957	88.646	ng	0.00
7) Phenol-d6	7.093	99	1442783	83.535	ng	0.00
23) Nitrobenzene-d5	9.084	82	916756	46.167	ng	0.00
42) 2,4,6-Tribromophenol	16.053	330	756031	78.046	ng	0.00
45) 2-Fluorobiphenyl	13.185	172	2488025	52.539	ng	0.00
79) Terphenyl-d14	19.931	244	3374603	55.253	ng	0.00
Target Compounds						
32) Benzoic acid	10.066	122	273	10.225	ng	Qvalue 91
51) 2,6-Dinitrotoluene	14.560	165	92906	8.654	ng	# 34
54) 2,4-Dinitrophenol	14.419	184	394	8.641	ng	94
57) 2,4-Dinitrotoluene	14.560	165	92906	6.311	ng	# 26
67) 4-Bromophenyl-phenylether	16.053	248	49276	2.934	ng	# 1
75) Fluoranthene	19.366	202	229641	2.588	ng	89
78) Pyrene	19.731	202	288298	3.350	ng	# 85

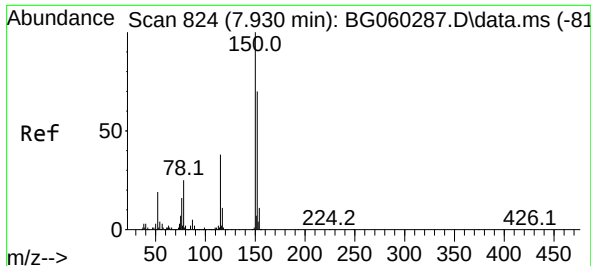
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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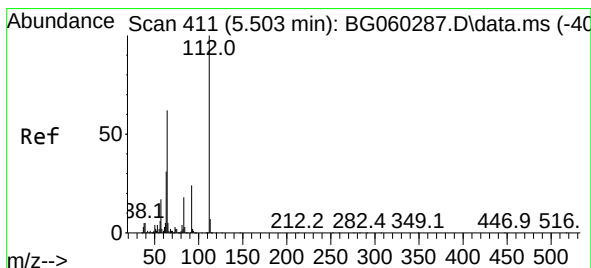
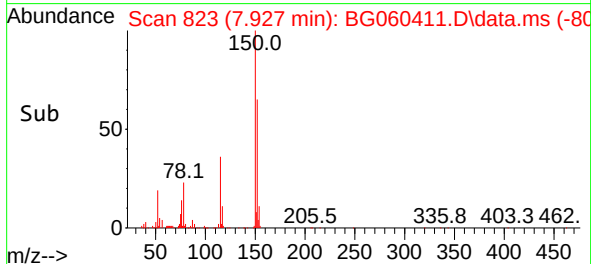
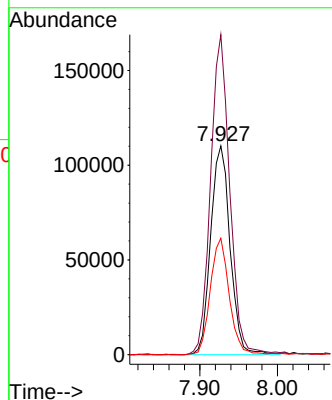
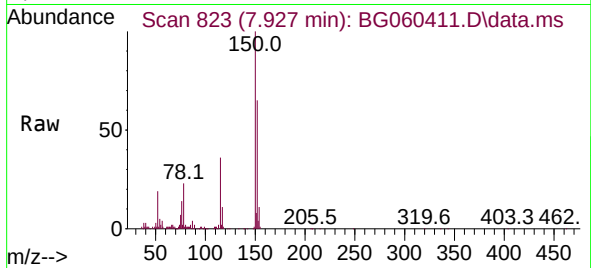




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.927 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG060411.D
Acq: 23 Jan 2024 19:59

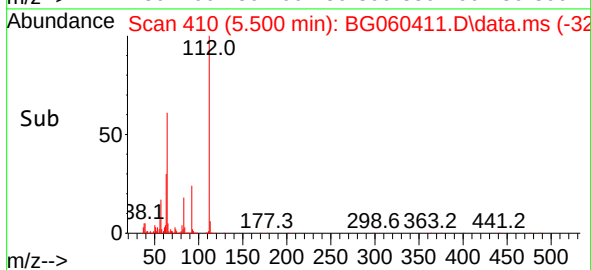
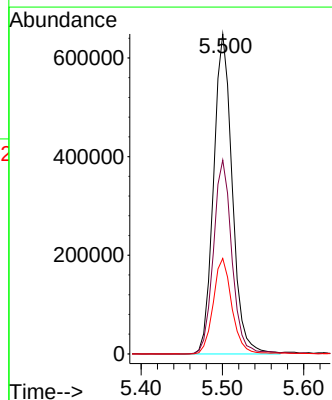
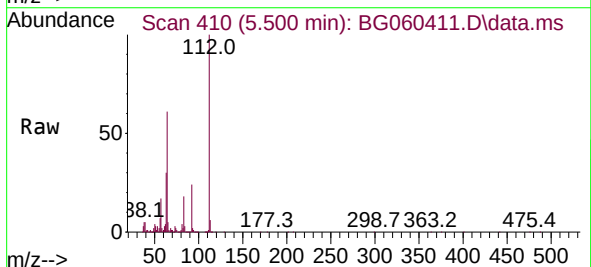
Instrument :
BNA_G
ClientSampleId :
MH-A

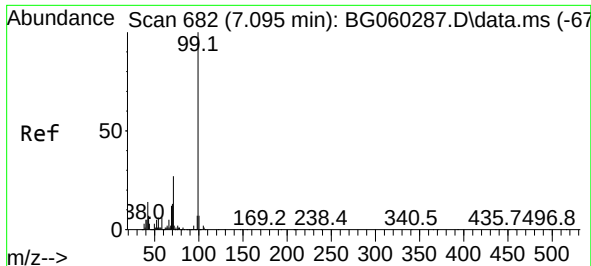
Tgt Ion:152 Resp: 191847
Ion Ratio Lower Upper
152 100
150 153.3 114.5 171.7
115 55.7 43.0 64.6



#5
2-Fluorophenol
Concen: 88.646 ng
RT: 5.500 min Scan# 410
Delta R.T. -0.003 min
Lab File: BG060411.D
Acq: 23 Jan 2024 19:59

Tgt Ion:112 Resp: 1033957
Ion Ratio Lower Upper
112 100
64 60.6 49.8 74.6
63 29.8 24.4 36.6

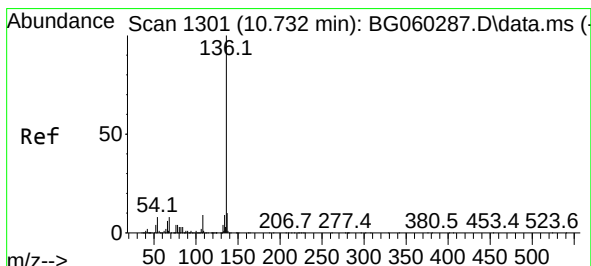
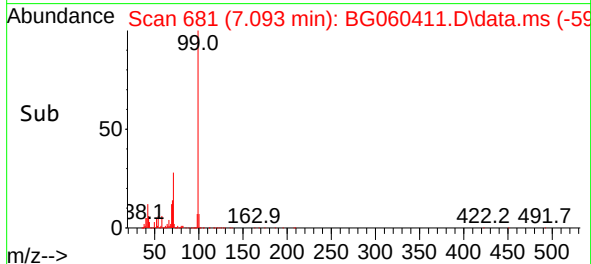
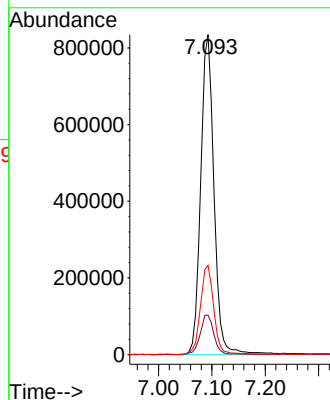
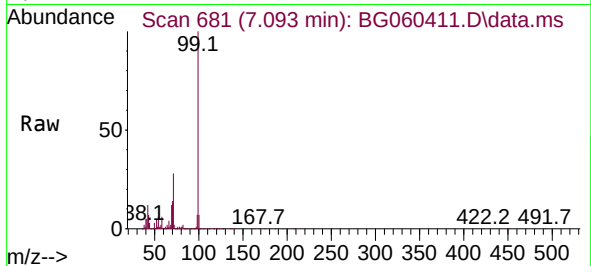




#7
Phenol-d6
Concen: 83.535 ng
RT: 7.093 min Scan# 681
Delta R.T. -0.003 min
Lab File: BG060411.D
Acq: 23 Jan 2024 19:59

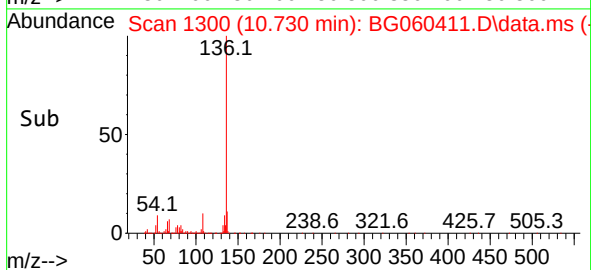
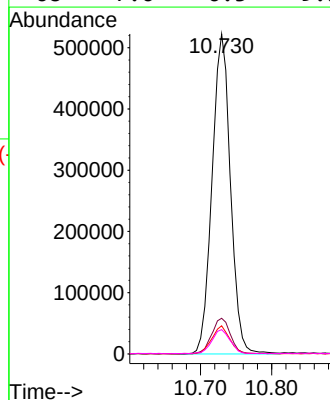
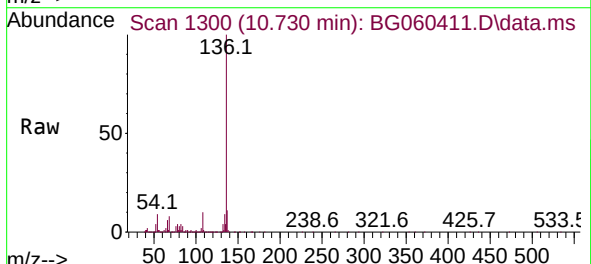
Instrument :
BNA_G
ClientSampleId :
MH-A

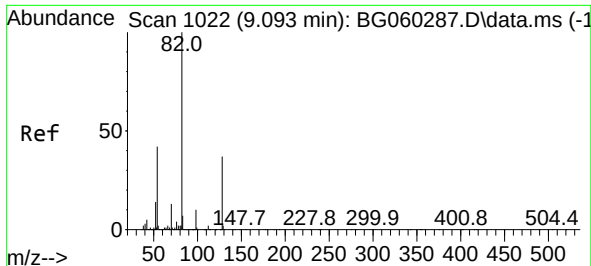
Tgt Ion: 99 Resp: 1442783
Ion Ratio Lower Upper
99 100
42 12.3 10.9 16.3
71 27.9 21.5 32.3



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.730 min Scan# 1300
Delta R.T. -0.003 min
Lab File: BG060411.D
Acq: 23 Jan 2024 19:59

Tgt Ion: 136 Resp: 937666
Ion Ratio Lower Upper
136 100
137 11.1 8.2 12.4
54 8.8 6.2 9.2
68 7.6 6.3 9.5

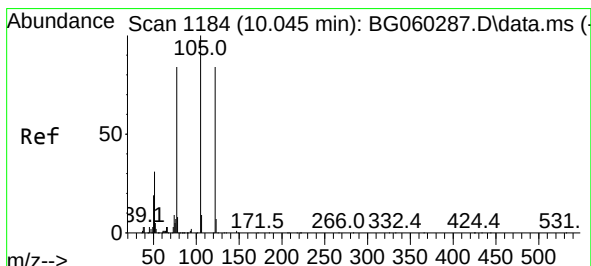
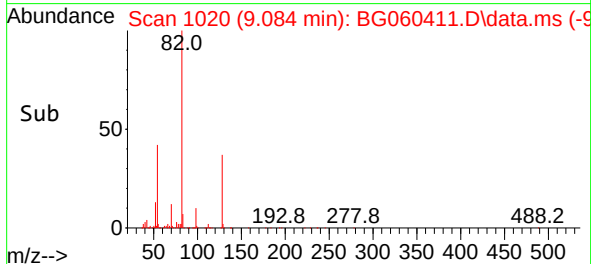
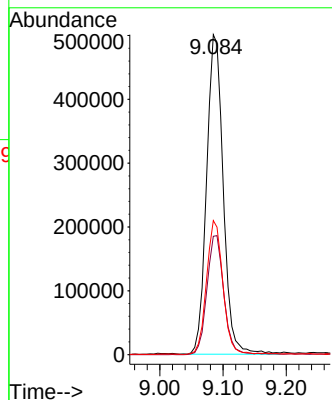
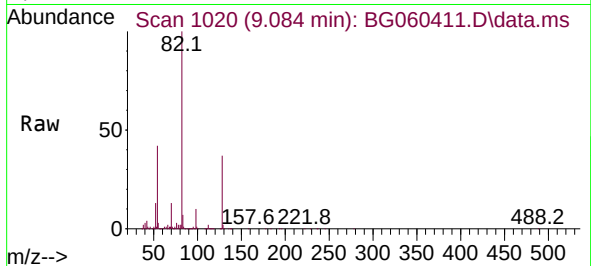




#23
Nitrobenzene-d5
Concen: 46.167 ng
RT: 9.084 min Scan# 10
Delta R.T. -0.008 min
Lab File: BG060411.D
Acq: 23 Jan 2024 19:59

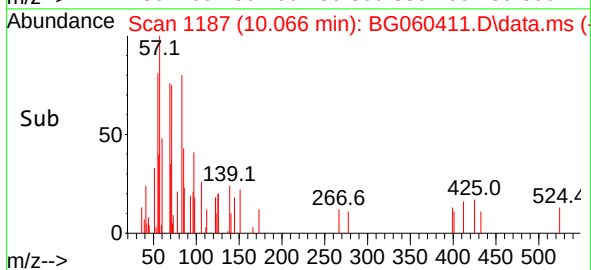
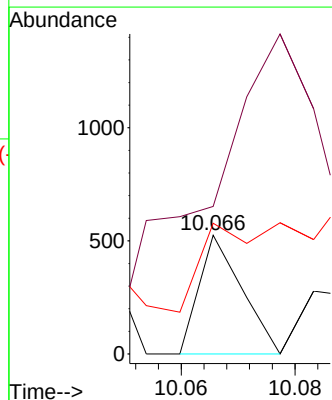
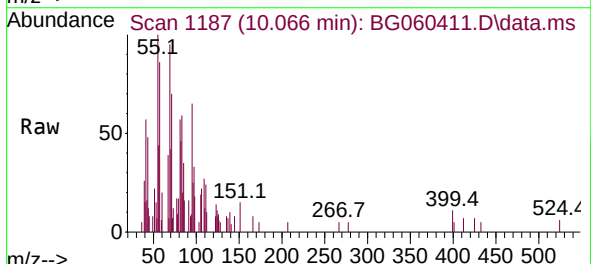
Instrument :
BNA_G
ClientSampleId :
MH-A

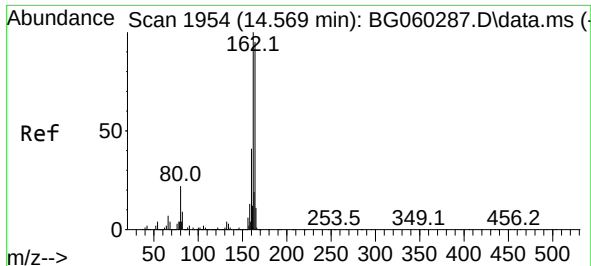
Tgt Ion: 82 Resp: 916756
Ion Ratio Lower Upper
82 100
128 37.0 29.6 44.4
54 41.9 33.6 50.4



#32
Benzoic acid
Concen: 10.225 ng
RT: 10.066 min Scan# 1187
Delta R.T. 0.021 min
Lab File: BG060411.D
Acq: 23 Jan 2024 19:59

Tgt Ion:122 Resp: 273
Ion Ratio Lower Upper
122 100
105 124.2 96.0 136.0
77 110.1 80.1 120.1

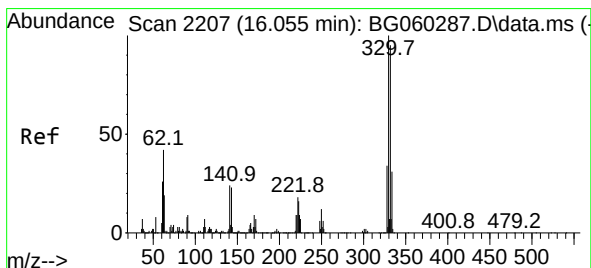
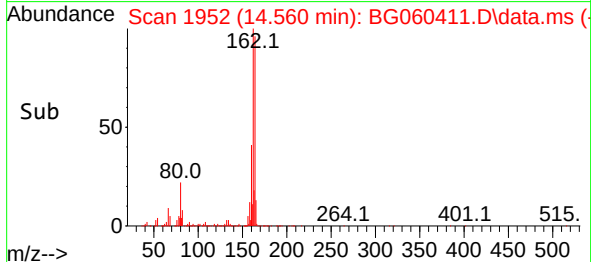
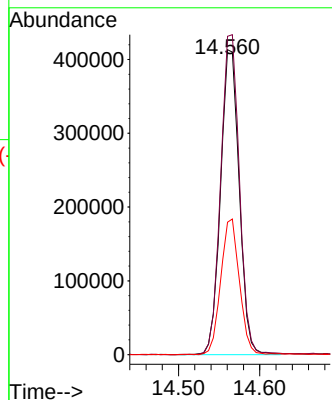
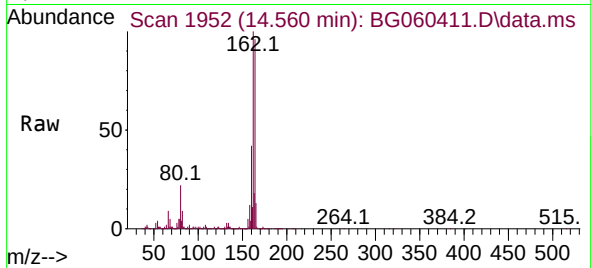




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.560 min Scan# 1952
Delta R.T. -0.008 min
Lab File: BG060411.D
Acq: 23 Jan 2024 19:59

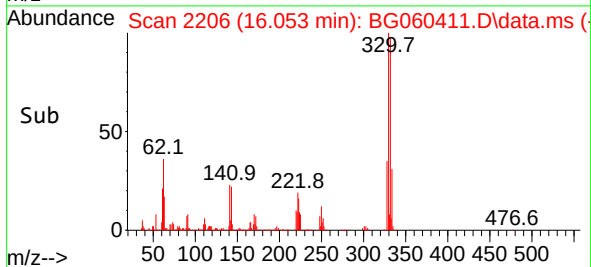
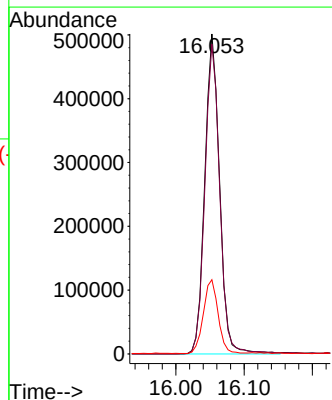
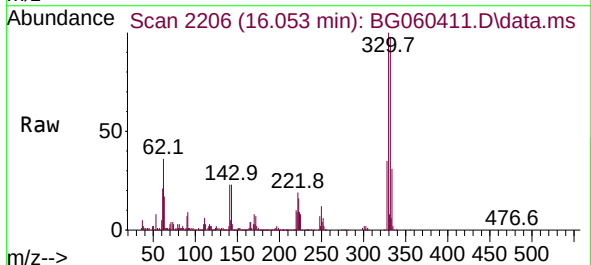
Instrument :
BNA_G
ClientSampleId :
MH-A

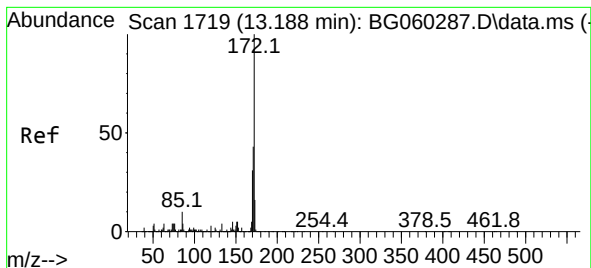
Tgt Ion:164 Resp: 658401
Ion Ratio Lower Upper
164 100
162 104.4 84.4 126.6
160 43.4 34.6 52.0



#42
2,4,6-Tribromophenol
Concen: 78.046 ng
RT: 16.053 min Scan# 2206
Delta R.T. -0.003 min
Lab File: BG060411.D
Acq: 23 Jan 2024 19:59

Tgt Ion:330 Resp: 756031
Ion Ratio Lower Upper
330 100
332 97.2 76.7 115.1
141 23.0 18.6 28.0





#45

2-Fluorobiphenyl

Concen: 52.539 ng

RT: 13.185 min Scan# 1

Delta R.T. -0.003 min

Lab File: BG060411.D

Acq: 23 Jan 2024 19:59

Instrument :

BNA_G

ClientSampleId :

MH-A

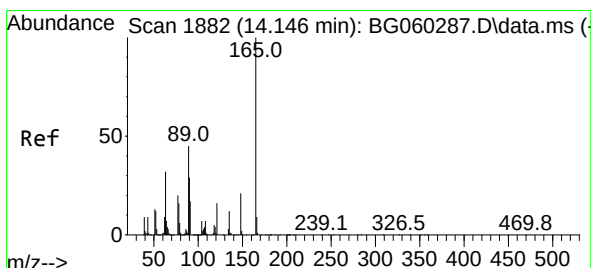
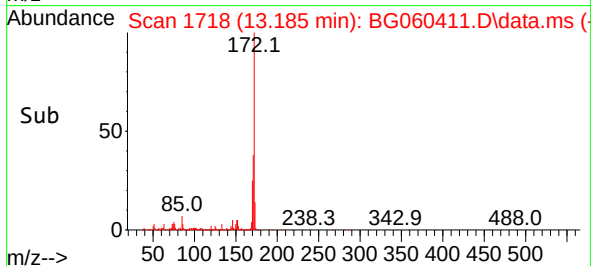
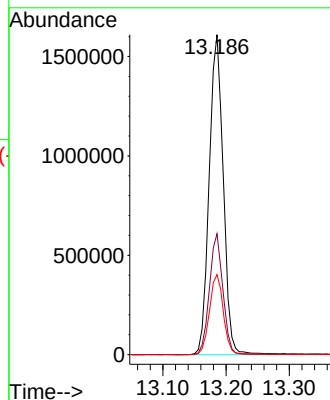
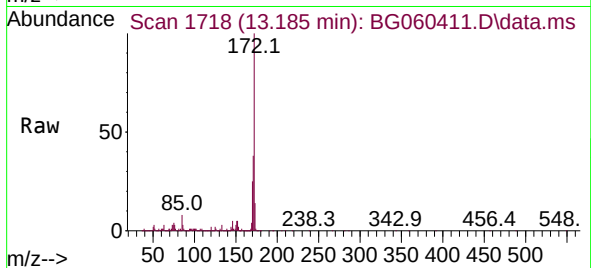
Tgt Ion:172 Resp: 2488025

Ion Ratio Lower Upper

172 100

171 37.8 34.6 51.8

170 25.1 24.4 36.6



#51

2,6-Dinitrotoluene

Concen: 8.654 ng

RT: 14.560 min Scan# 1952

Delta R.T. 0.414 min

Lab File: BG060411.D

Acq: 23 Jan 2024 19:59

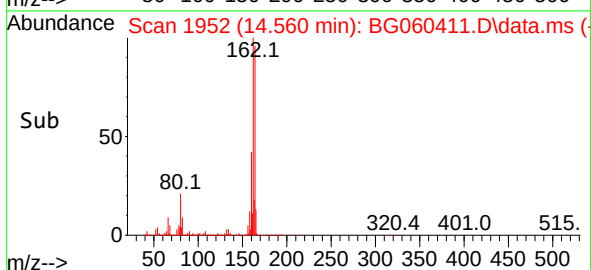
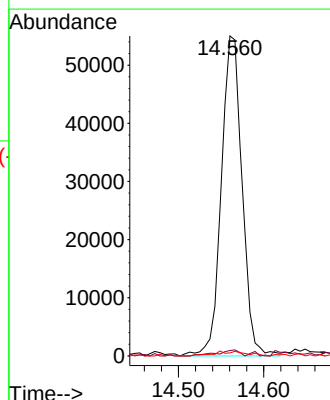
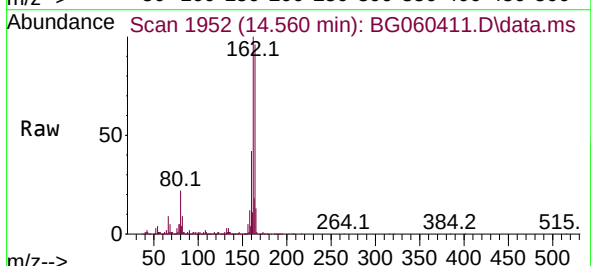
Tgt Ion:165 Resp: 92906

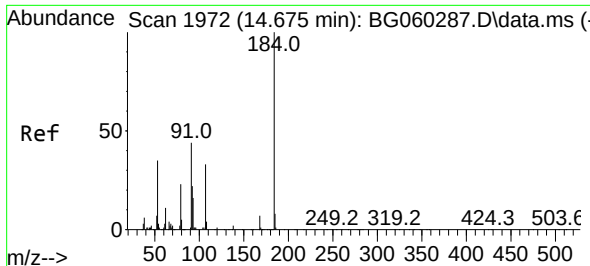
Ion Ratio Lower Upper

165 100

63 1.7 35.0 52.4#

89 0.9 36.2 54.2#

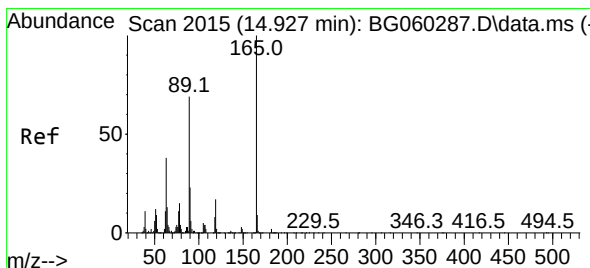
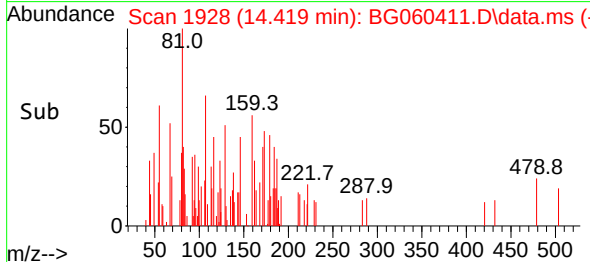
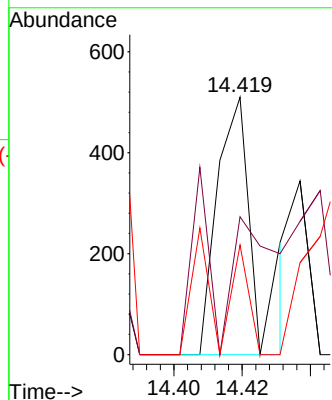
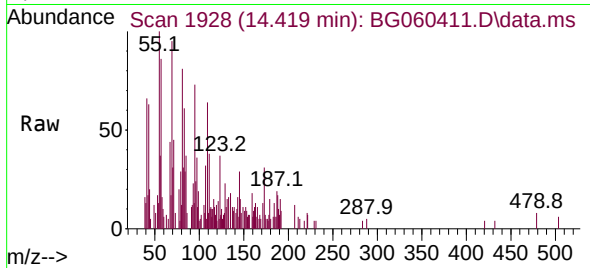




#54
2,4-Dinitrophenol
Concen: 8.641 ng
RT: 14.419 min Scan# 1972
Delta R.T. -0.256 min
Lab File: BG060411.D
Acq: 23 Jan 2024 19:59

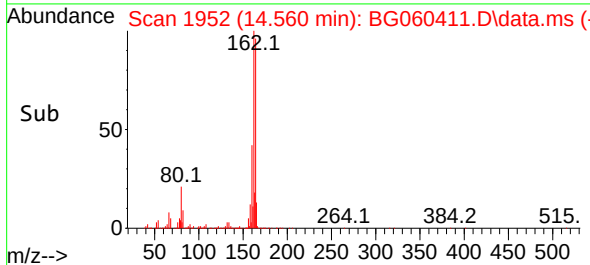
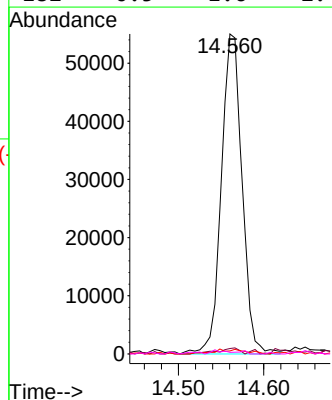
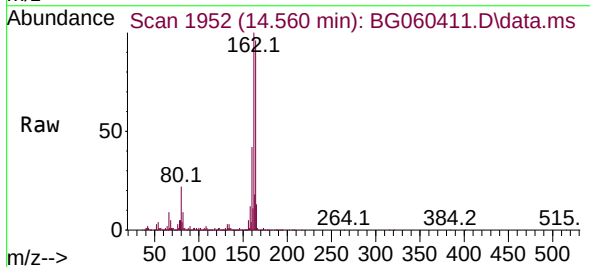
Instrument :
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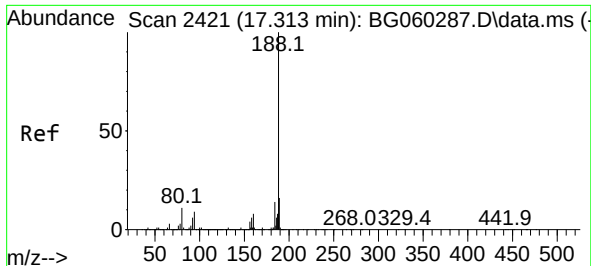
Tgt Ion:184	Resp:	394
Ion Ratio	Lower	Upper
184	100	
63	53.5	41.0 61.4
154	42.5	39.2 58.8



#57
2,4-Dinitrotoluene
Concen: 6.311 ng
RT: 14.560 min Scan# 1952
Delta R.T. -0.367 min
Lab File: BG060411.D
Acq: 23 Jan 2024 19:59

Tgt Ion:165	Resp:	92906
Ion Ratio	Lower	Upper
165	100	
63	1.7	30.4 45.6#
89	0.9	55.4 83.0#
182	0.5	1.6 2.4#

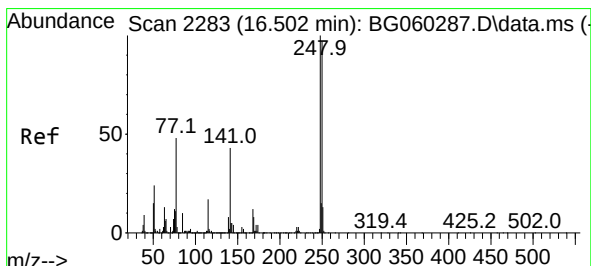
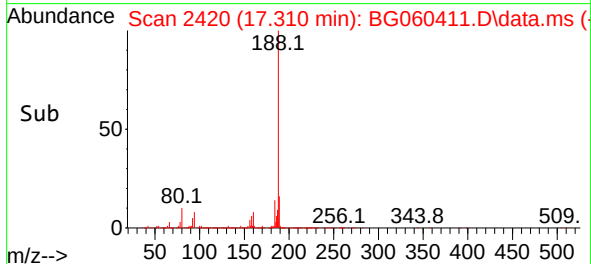
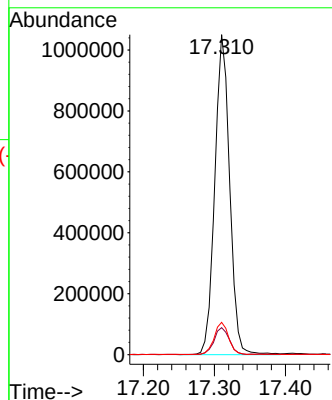
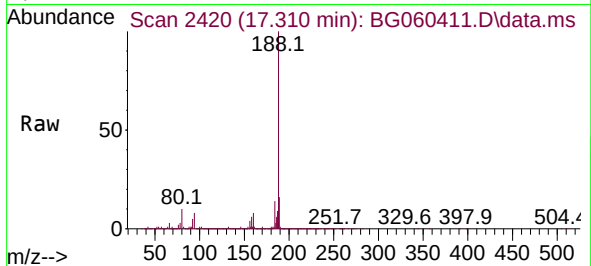




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.310 min Scan# 24
Delta R.T. -0.003 min
Lab File: BG060411.D
Acq: 23 Jan 2024 19:59

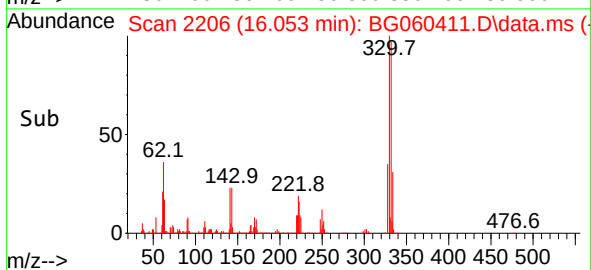
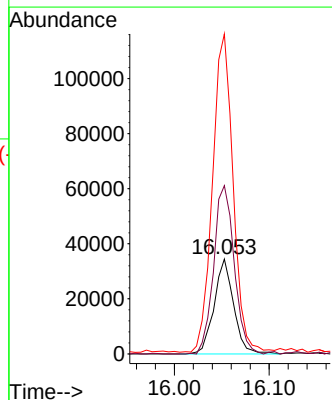
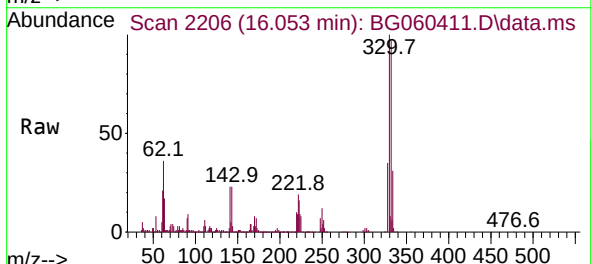
Instrument :
BNA_G
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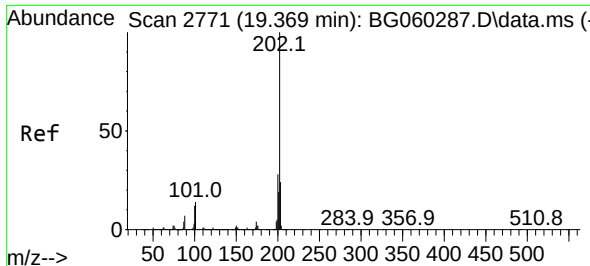
Tgt Ion:188 Resp: 1528661
Ion Ratio Lower Upper
188 100
94 8.4 7.1 10.7
80 10.1 8.5 12.7



#67
4-Bromophenyl-phenylether
Concen: 2.934 ng
RT: 16.053 min Scan# 2206
Delta R.T. -0.449 min
Lab File: BG060411.D
Acq: 23 Jan 2024 19:59

Tgt Ion:248 Resp: 49276
Ion Ratio Lower Upper
248 100
250 177.3 77.6 116.4#
141 337.4 34.2 51.4#

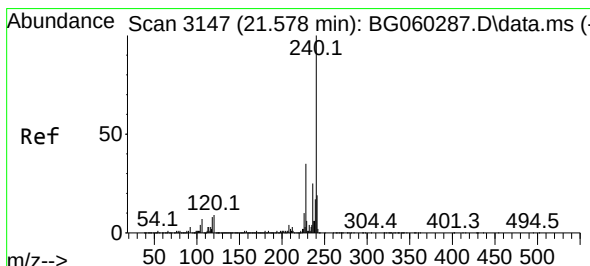
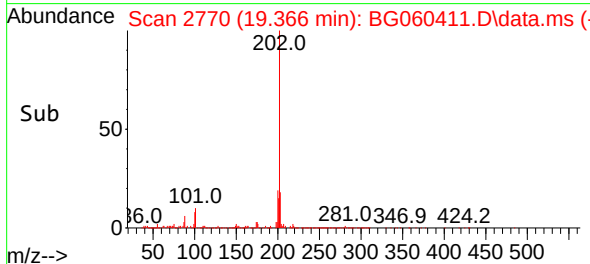
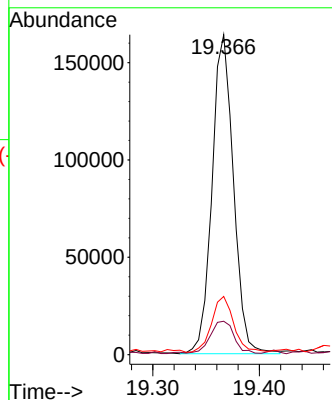
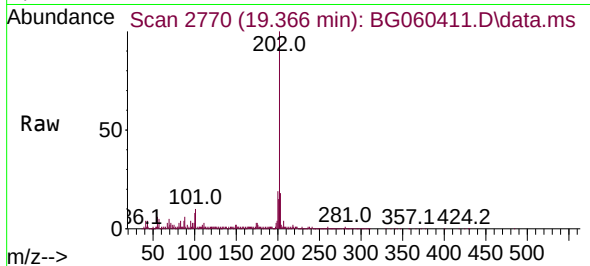




#75
Fluoranthene
Concen: 2.588 ng
RT: 19.366 min Scan# 21
Delta R.T. -0.003 min
Lab File: BG060411.D
Acq: 23 Jan 2024 19:59

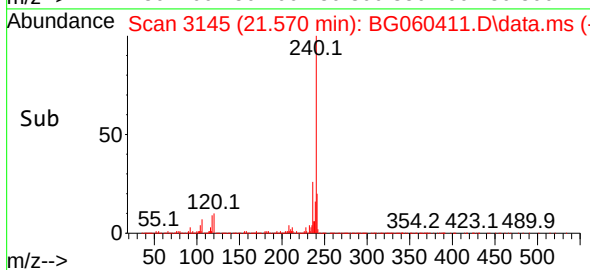
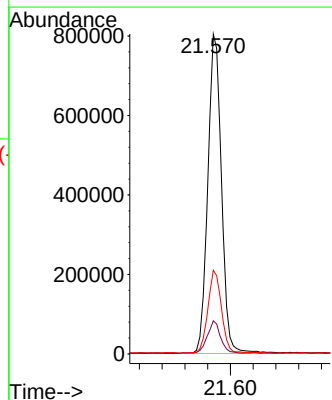
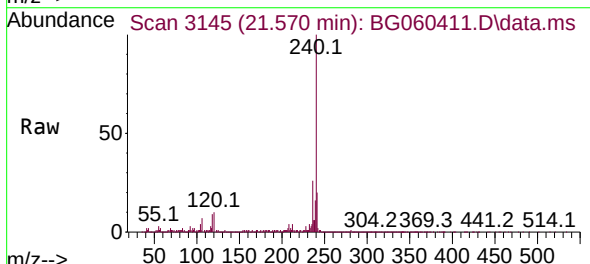
Instrument :
BNA_G
ClientSampleId :
MH-A

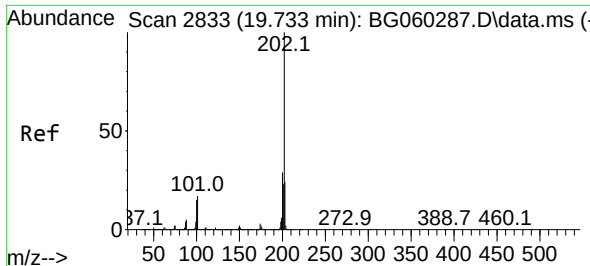
Tgt Ion:202 Resp: 229641
Ion Ratio Lower Upper
202 100
101 10.4 0.0 34.4
203 18.2 4.0 44.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.570 min Scan# 3145
Delta R.T. -0.009 min
Lab File: BG060411.D
Acq: 23 Jan 2024 19:59

Tgt Ion:240 Resp: 1347700
Ion Ratio Lower Upper
240 100
120 10.3 7.3 10.9
236 26.1 20.3 30.5

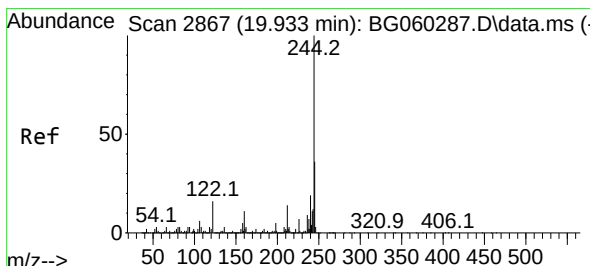
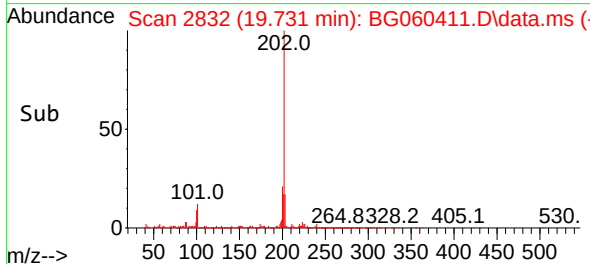
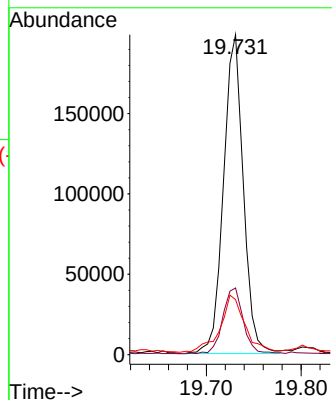
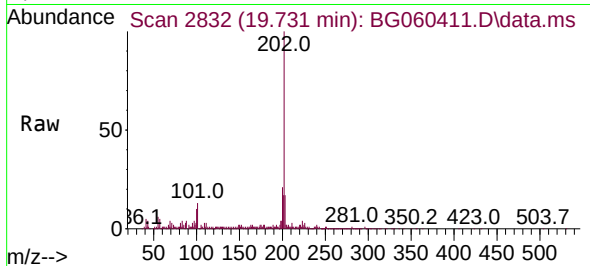




#78
 Pyrene
 Concen: 3.350 ng
 RT: 19.731 min Scan# 2833
 Delta R.T. -0.003 min
 Lab File: BG060411.D
 Acq: 23 Jan 2024 19:59

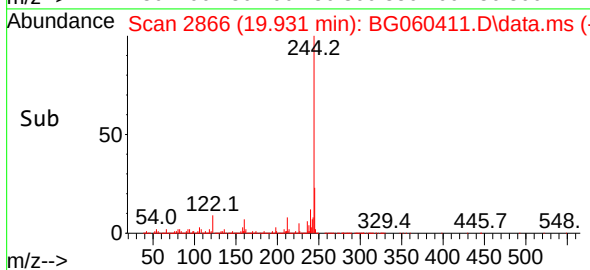
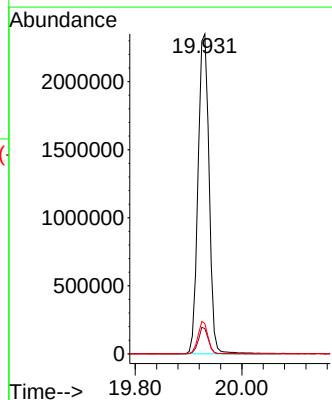
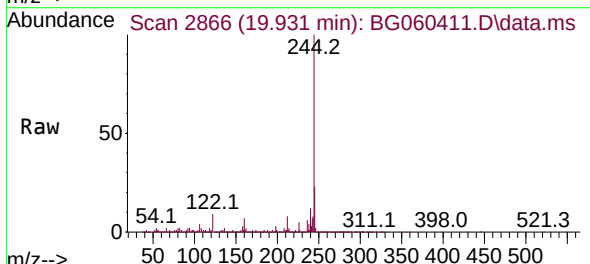
Instrument :
 BNA_G
 ClientSampleId :
 MH-A

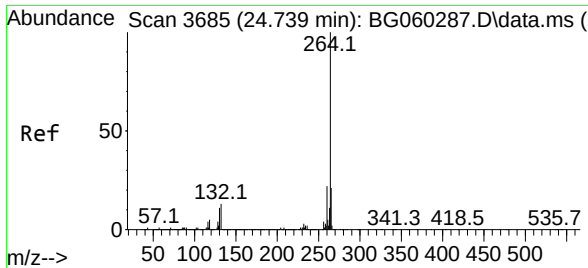
Tgt Ion:202 Resp: 288298
 Ion Ratio Lower Upper
 202 100
 200 20.8 23.5 35.3#
 203 17.2 19.6 29.4#



#79
 Terphenyl-d14
 Concen: 55.253 ng
 RT: 19.931 min Scan# 2866
 Delta R.T. -0.002 min
 Lab File: BG060411.D
 Acq: 23 Jan 2024 19:59

Tgt Ion:244 Resp: 3374603
 Ion Ratio Lower Upper
 244 100
 212 7.9 10.9 16.3#
 122 9.5 12.6 18.8#





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.737 min Scan# 30
 Delta R.T. -0.003 min
 Lab File: BG060411.D
 Acq: 23 Jan 2024 19:59

Instrument :
 BNA_G
 ClientSampleId :
 MH-A

Tgt Ion:264 Resp: 1519649

Ion	Ratio	Lower	Upper
264	100		
260	23.3	17.8	26.6
265	22.6	16.8	25.2

