

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112423\
 Data File : BG059885.D
 Acq On : 25 Nov 2023 10:35
 Operator : MA/JU
 Sample : 05366-01
 Misc :
 ALS Vial : 24 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 P-13(10-15)

Quant Time: Nov 27 03:19:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Nov 24 15:11:07 2023
 Response via : Initial Calibration

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

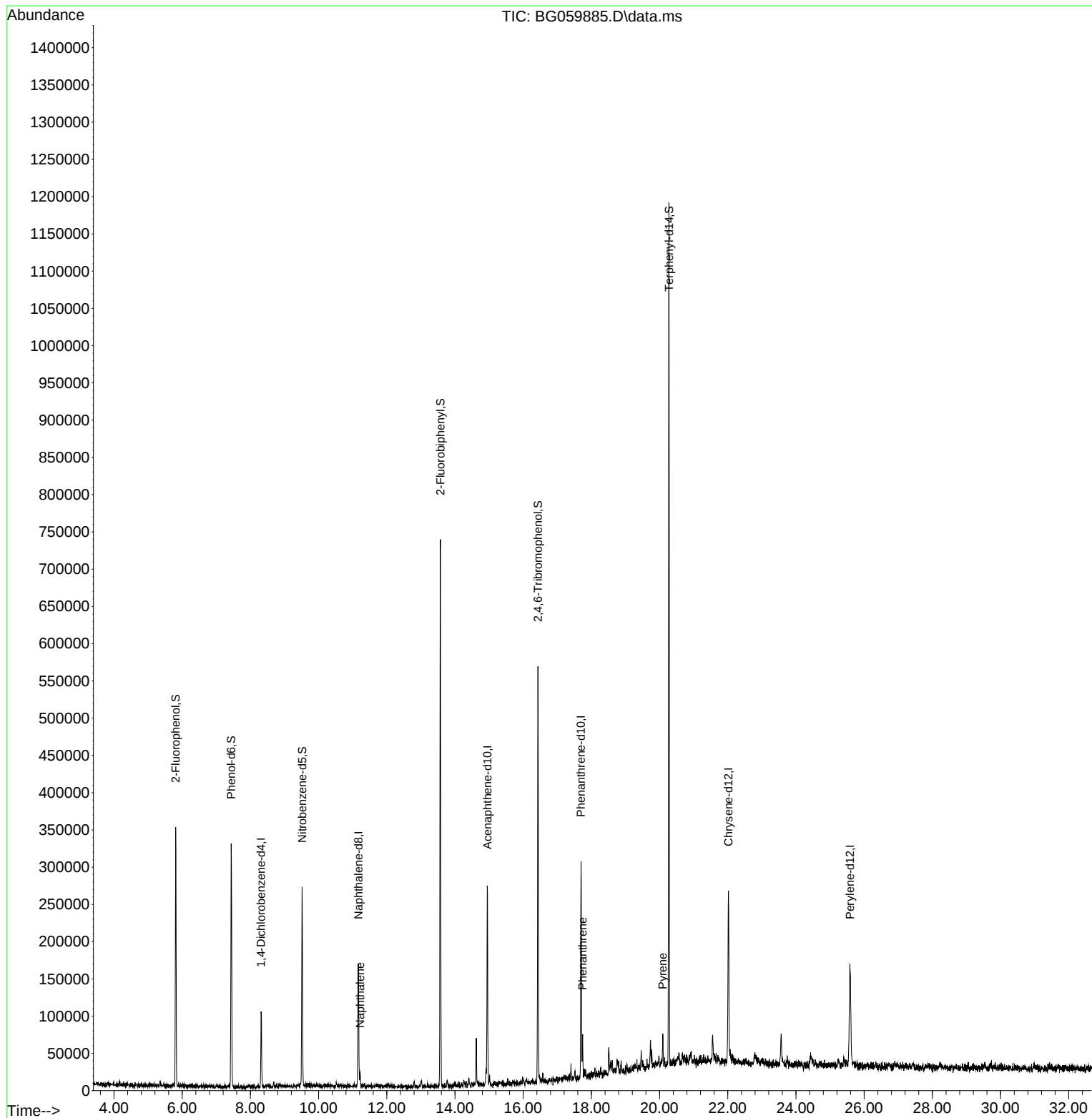
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.312	152	22507	20.000	ng	0.00
21) Naphthalene-d8	11.167	136	119268	20.000	ng	# 0.00
39) Acenaphthene-d10	14.951	164	82940	20.000	ng	# 0.00
64) Phenanthrene-d10	17.695	188	160895	20.000	ng	-0.01
76) Chrysene-d12	22.019	240	128980	20.000	ng	#-0.01
86) Perylene-d12	25.580	264	164508	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.809	112	124281	92.941	ng	0.00
7) Phenol-d6	7.436	99	142349	71.835	ng	0.00
23) Nitrobenzene-d5	9.516	82	164695	52.739	ng	0.00
42) 2,4,6-Tribromophenol	16.432	330	75786	80.533	ng	0.00
45) 2-Fluorobiphenyl	13.570	172	322400	52.323	ng	0.00
79) Terphenyl-d14	20.274	244	508360	58.185	ng	0.00
Target Compounds						
						Qvalue
31) Naphthalene	11.214	128	13292	2.216	ng	# 92
71) Phenanthrene	17.742	178	28441	3.477	ng	# 94
78) Pyrene	20.092	202	23922	2.726	ng	94

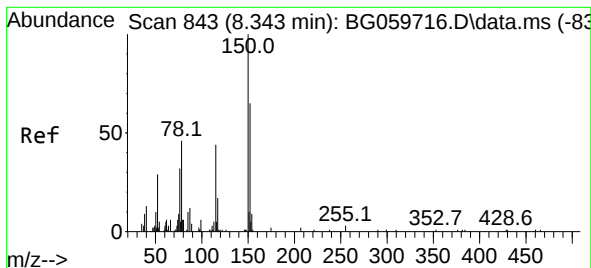
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.312 min Scan# 81

Delta R.T. -0.003 min

Lab File: BG059885.D

Acq: 25 Nov 2023 10:35

Instrument :

BNA_G

ClientSampleId :

P-13(10-15)

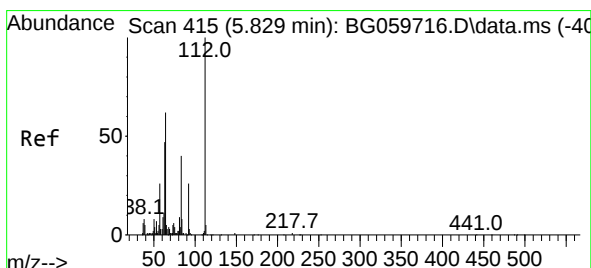
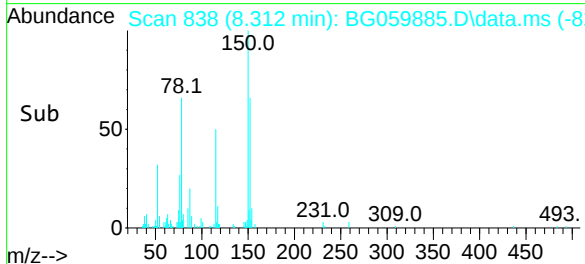
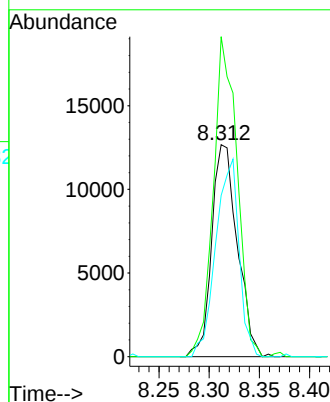
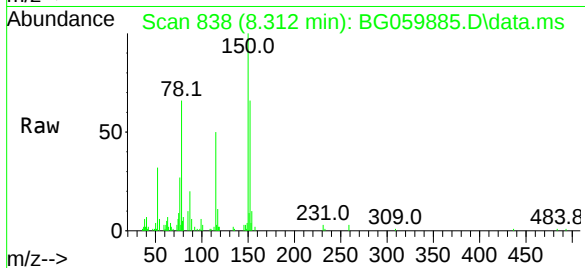
Tgt Ion:152 Resp: 22507

Ion Ratio Lower Upper

152 100

150 151.0 122.2 183.4

115 76.1 54.2 81.4



#5

2-Fluorophenol

Concen: 92.941 ng

RT: 5.809 min Scan# 412

Delta R.T. -0.003 min

Lab File: BG059885.D

Acq: 25 Nov 2023 10:35

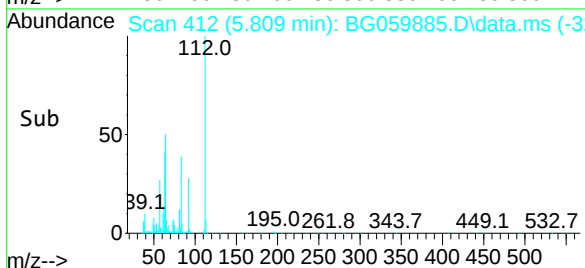
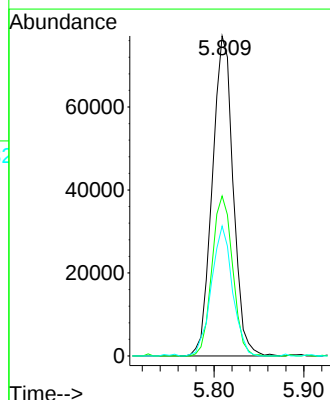
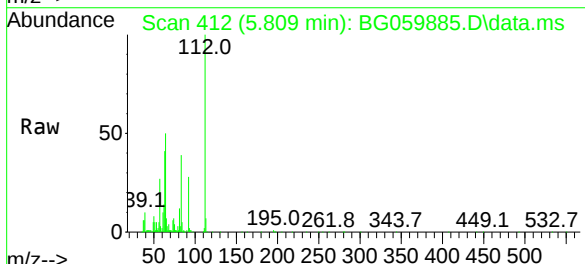
Tgt Ion:112 Resp: 124281

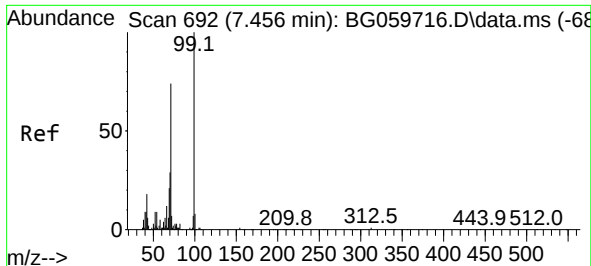
Ion Ratio Lower Upper

112 100

64 50.0 49.5 74.3

63 40.6 37.4 56.2

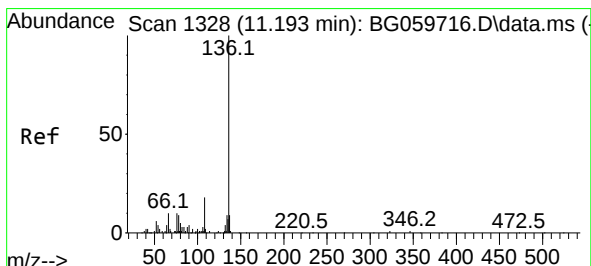
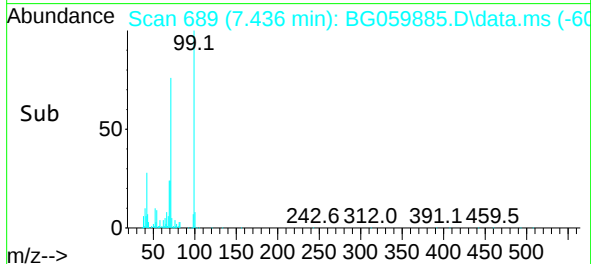
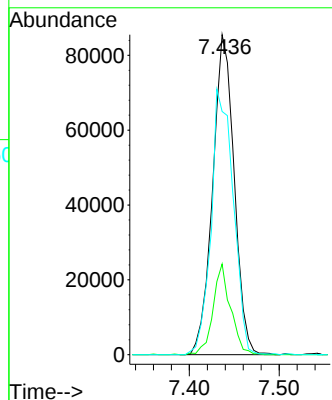
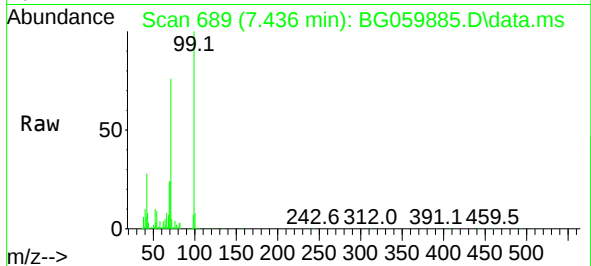




#7
Phenol-d6
Concen: 71.835 ng
RT: 7.436 min Scan# 61
Delta R.T. -0.009 min
Lab File: BG059885.D
Acq: 25 Nov 2023 10:35

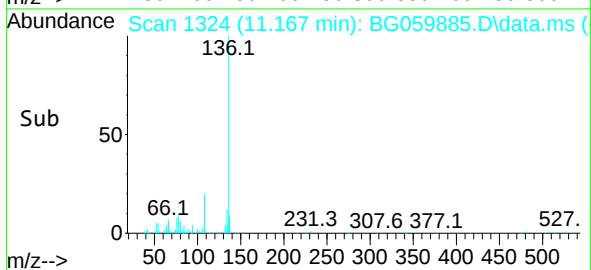
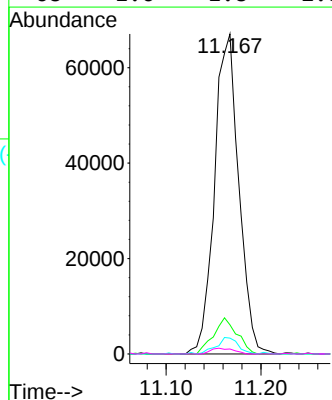
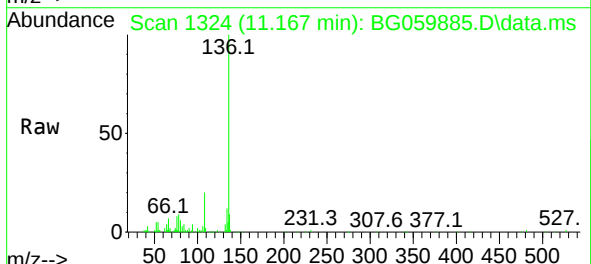
Instrument :
BNA_G
ClientSampleId :
P-13(10-15)

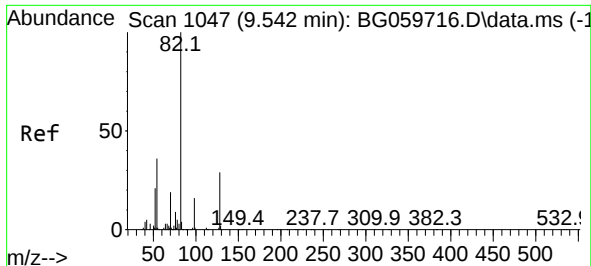
Tgt Ion: 99 Resp: 142349
Ion Ratio Lower Upper
99 100
42 28.4 14.3 21.5#
71 76.0 59.3 88.9



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.167 min Scan# 1324
Delta R.T. -0.003 min
Lab File: BG059885.D
Acq: 25 Nov 2023 10:35

Tgt Ion:136 Resp: 119268
Ion Ratio Lower Upper
136 100
137 9.1 7.4 11.0
54 5.0 3.1 4.7#
68 1.6 1.8 2.8#

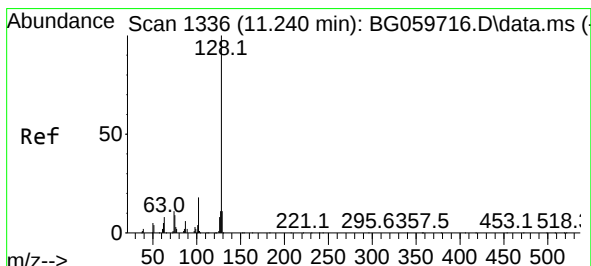
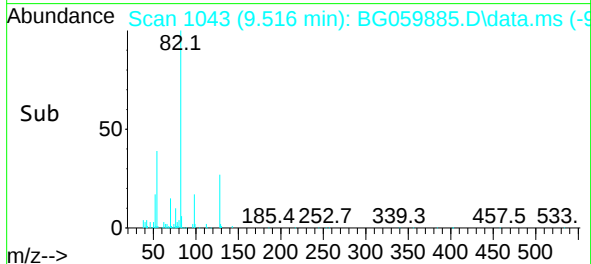
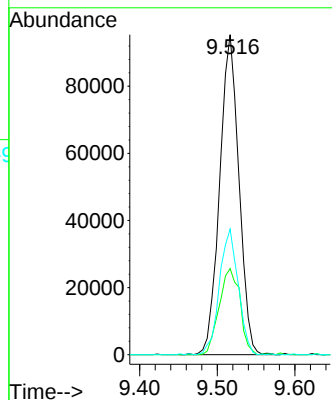
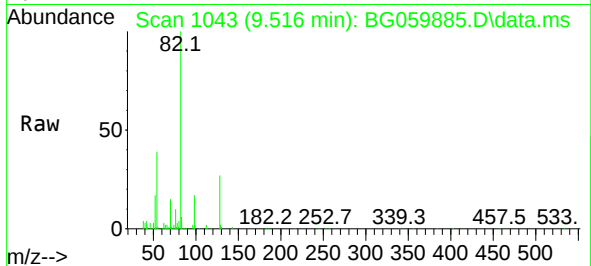




#23
Nitrobenzene-d5
Concen: 52.739 ng
RT: 9.516 min Scan# 1043
Delta R.T. -0.009 min
Lab File: BG059885.D
Acq: 25 Nov 2023 10:35

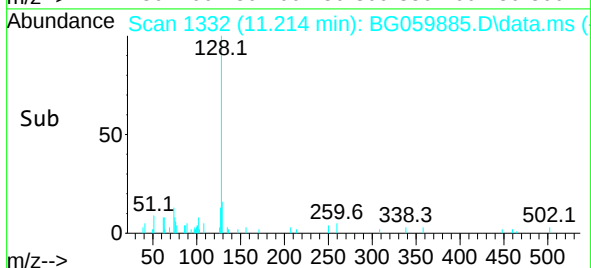
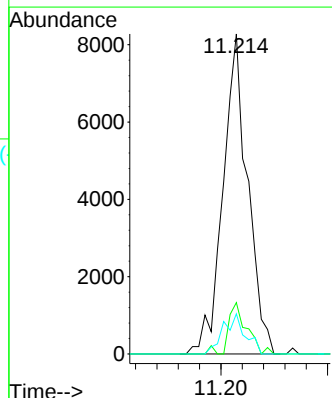
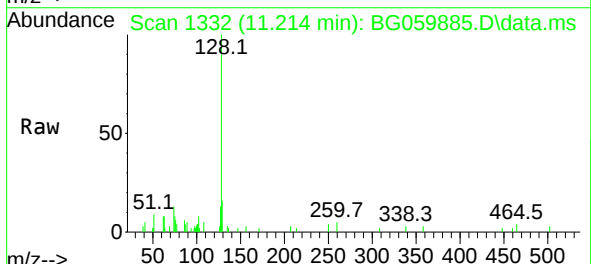
Instrument :
BNA_G
ClientSampleId :
P-13(10-15)

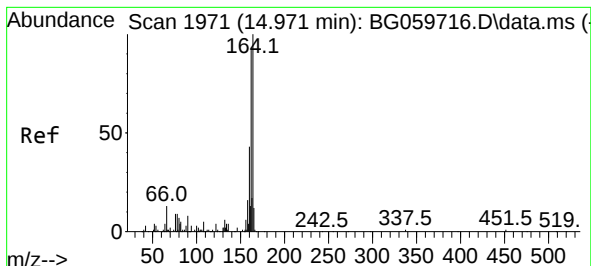
Tgt Ion: 82 Resp: 164695
Ion Ratio Lower Upper
82 100
128 26.9 23.0 34.6
54 39.2 28.7 43.1



#31
Naphthalene
Concen: 2.216 ng
RT: 11.214 min Scan# 1332
Delta R.T. -0.009 min
Lab File: BG059885.D
Acq: 25 Nov 2023 10:35

Tgt Ion: 128 Resp: 13292
Ion Ratio Lower Upper
128 100
129 16.1 8.7 13.1#
127 12.6 9.2 13.8





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.951 min Scan# 1971

Delta R.T. -0.003 min

Lab File: BG059885.D

Acq: 25 Nov 2023 10:35

Instrument :

BNA_G

ClientSampleId :

P-13(10-15)

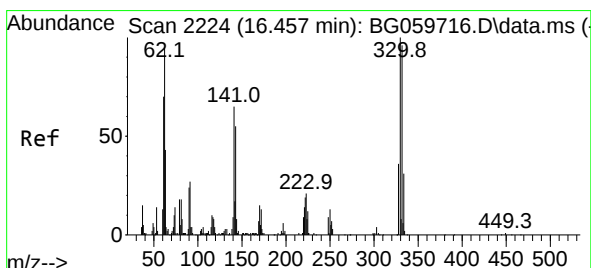
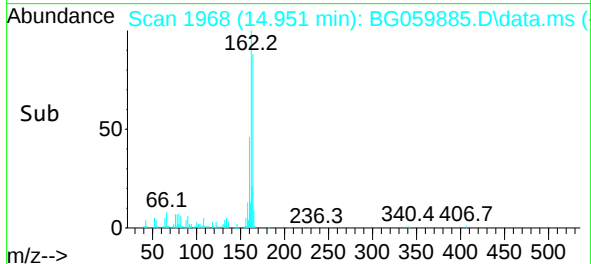
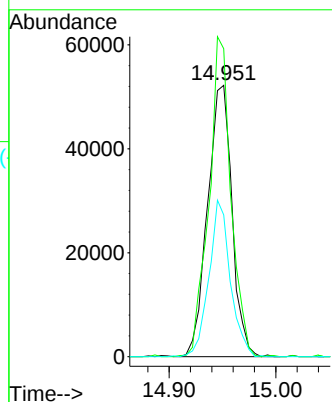
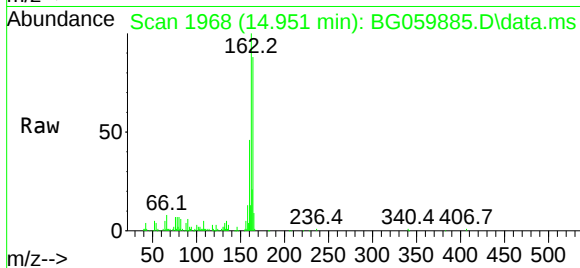
Tgt Ion:164 Resp: 82940

Ion Ratio Lower Upper

164 100

162 113.5 73.3 109.9#

160 52.3 34.1 51.1#



#42

2,4,6-Tribromophenol

Concen: 80.533 ng

RT: 16.432 min Scan# 2220

Delta R.T. -0.009 min

Lab File: BG059885.D

Acq: 25 Nov 2023 10:35

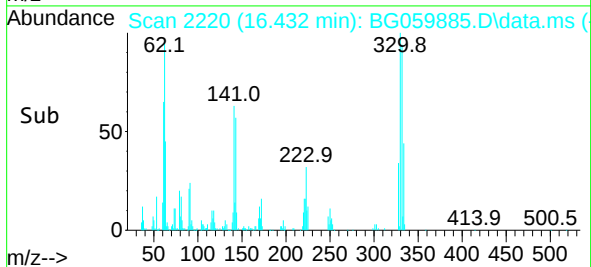
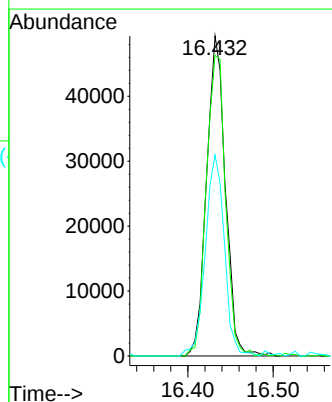
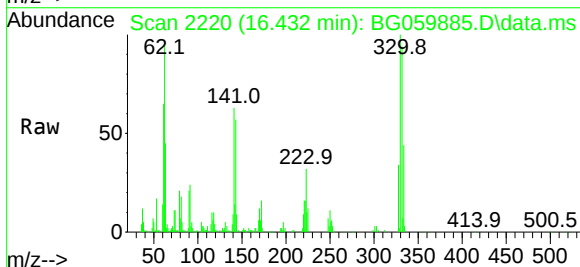
Tgt Ion:330 Resp: 75786

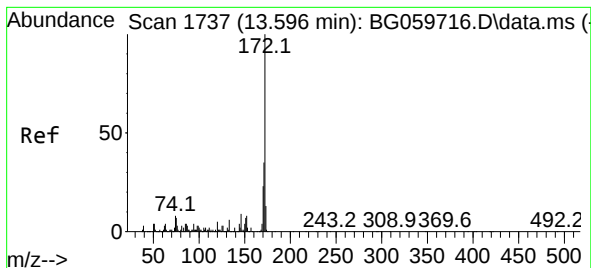
Ion Ratio Lower Upper

330 100

332 95.9 73.3 109.9

141 63.0 52.1 78.1





#45

2-Fluorobiphenyl

Concen: 52.323 ng

RT: 13.570 min Scan# 1

Delta R.T. -0.009 min

Lab File: BG059885.D

Acq: 25 Nov 2023 10:35

Instrument :

BNA_G

ClientSampleId :

P-13(10-15)

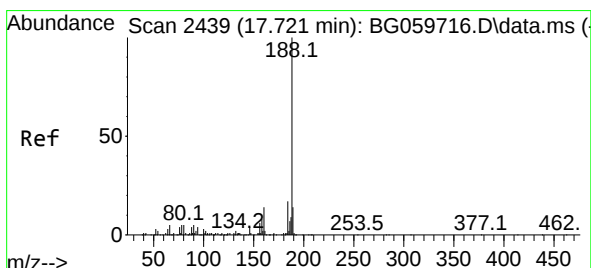
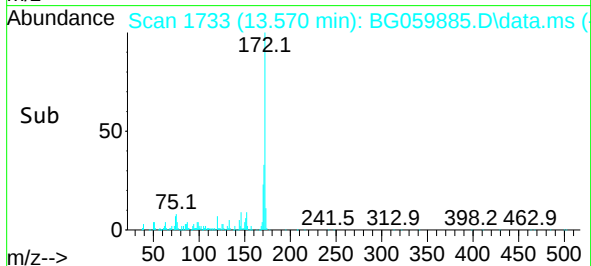
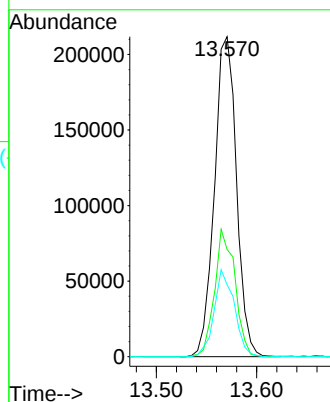
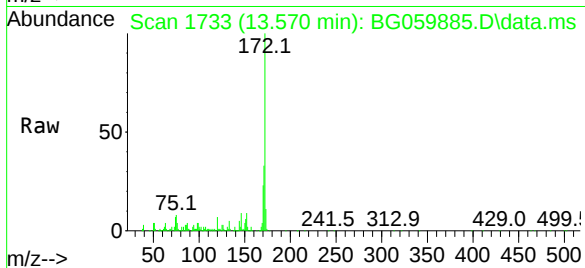
Tgt Ion:172 Resp: 322400

Ion Ratio Lower Upper

172 100

171 33.5 27.7 41.5

170 22.5 18.4 27.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.695 min Scan# 2435

Delta R.T. -0.014 min

Lab File: BG059885.D

Acq: 25 Nov 2023 10:35

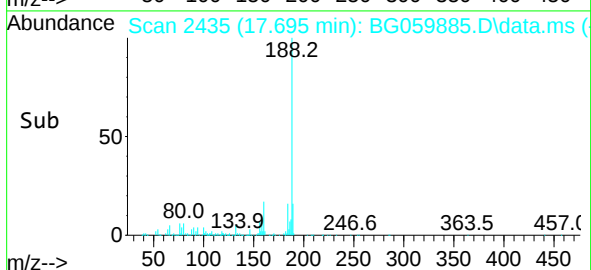
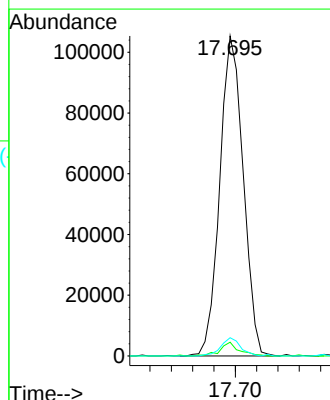
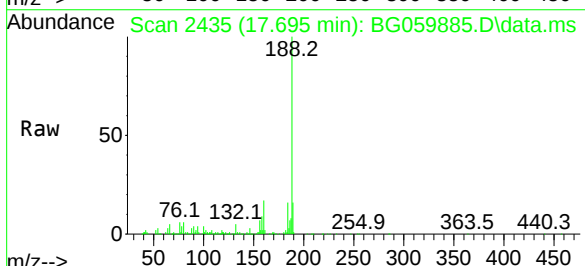
Tgt Ion:188 Resp: 160895

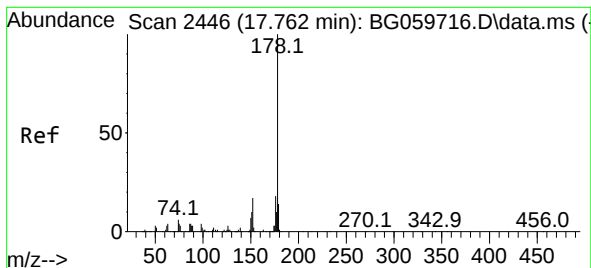
Ion Ratio Lower Upper

188 100

94 4.3 3.0 4.4

80 5.7 4.2 6.4





#71

Phenanthrene

Concen: 3.477 ng

RT: 17.742 min Scan# 2443

Delta R.T. -0.009 min

Lab File: BG059885.D

Acq: 25 Nov 2023 10:35

Instrument :

BNA_G

ClientSampleId :

P-13(10-15)

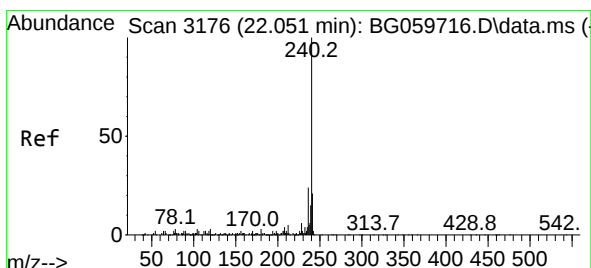
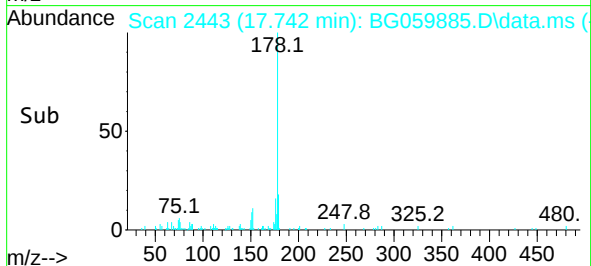
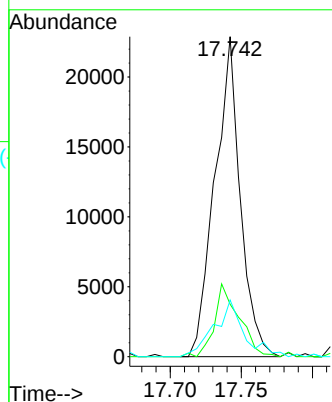
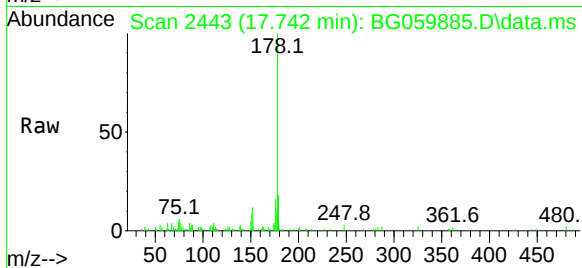
Tgt Ion:178 Resp: 28441

Ion Ratio Lower Upper

178 100

176 16.4 14.5 21.7

179 17.7 11.2 16.8#



#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.019 min Scan# 3171

Delta R.T. -0.014 min

Lab File: BG059885.D

Acq: 25 Nov 2023 10:35

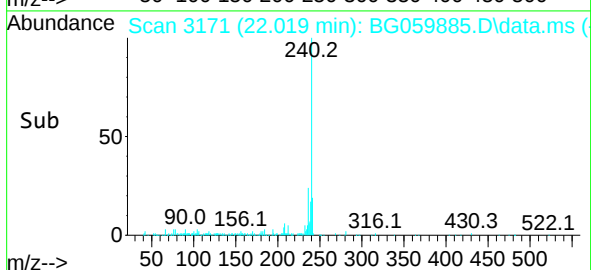
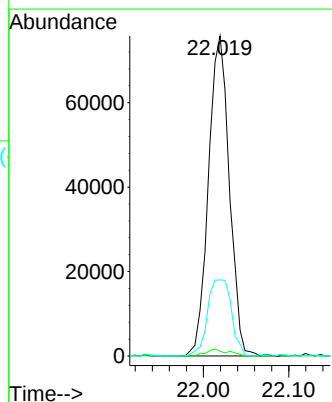
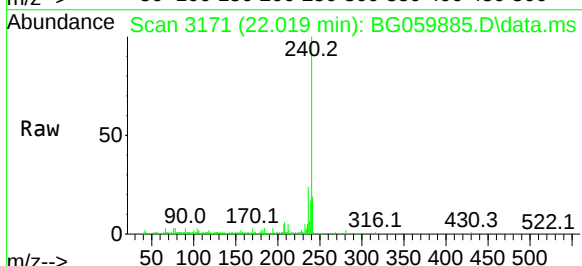
Tgt Ion:240 Resp: 128980

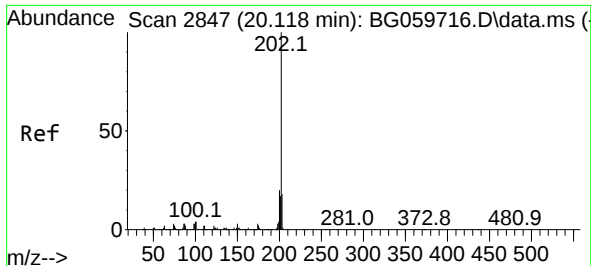
Ion Ratio Lower Upper

240 100

120 1.4 2.2 3.2#

236 23.7 19.4 29.2

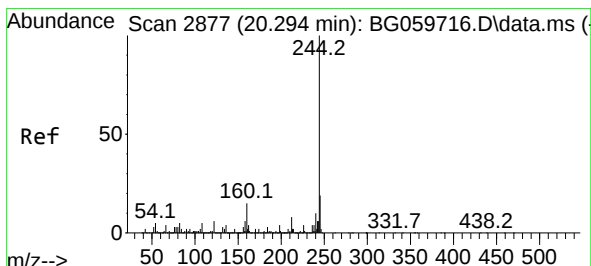
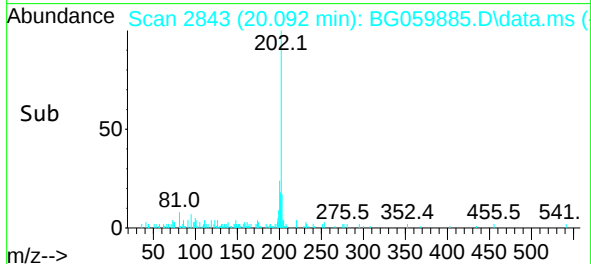
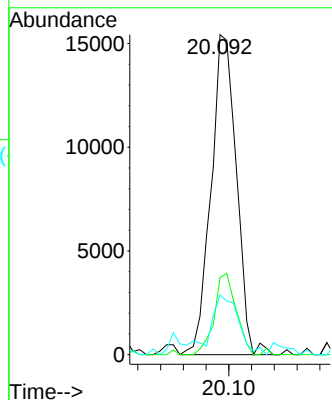
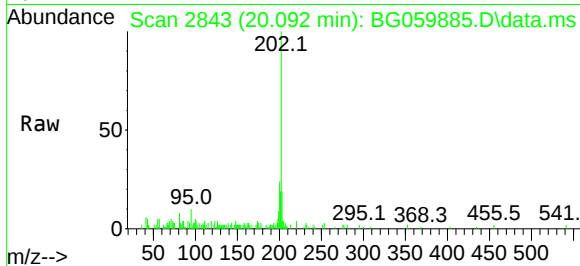




#78
 Pyrene
 Concen: 2.726 ng
 RT: 20.092 min Scan# 21
 Delta R.T. -0.014 min
 Lab File: BG059885.D
 Acq: 25 Nov 2023 10:35

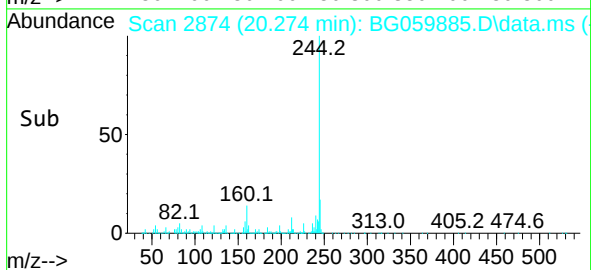
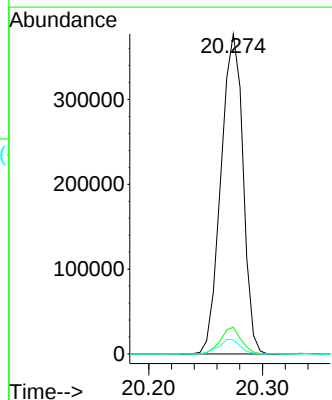
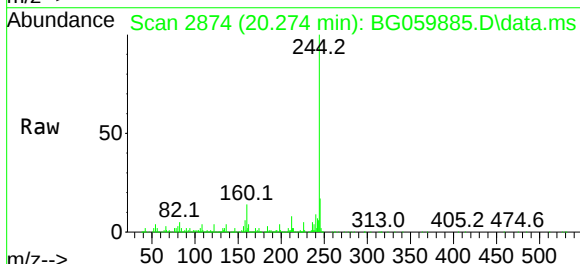
Instrument :
 BNA_G
 ClientSampleId :
 P-13(10-15)

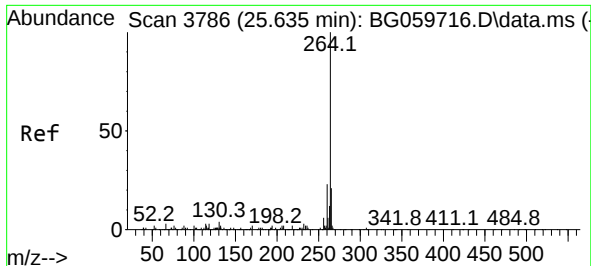
Tgt Ion:	202	Resp:	23922
Ion	Ratio	Lower	Upper
202	100		
200	24.1	16.2	24.4
203	18.7	14.0	21.0



#79
 Terphenyl-d14
 Concen: 58.185 ng
 RT: 20.274 min Scan# 2874
 Delta R.T. -0.009 min
 Lab File: BG059885.D
 Acq: 25 Nov 2023 10:35

Tgt Ion:	244	Resp:	508360
Ion	Ratio	Lower	Upper
244	100		
212	8.4	6.6	10.0
122	4.4	4.4	6.6





#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.580 min Scan# 31
 Delta R.T. -0.032 min
 Lab File: BG059885.D
 Acq: 25 Nov 2023 10:35

Instrument :
 BNA_G
 ClientSampleId :
 P-13(10-15)

Tgt Ion:264 Resp: 164508
 Ion Ratio Lower Upper
 264 100
 260 22.8 18.5 27.7
 265 21.3 17.0 25.6

