

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112723\
 Data File : BG059909.D
 Acq On : 27 Nov 2023 20:33
 Operator : MA/JU
 Sample : 05463-01
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 NB-08-11162023

Quant Time: Nov 27 23:15:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111623.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 27 13:17:45 2023
 Response via : Initial Calibration

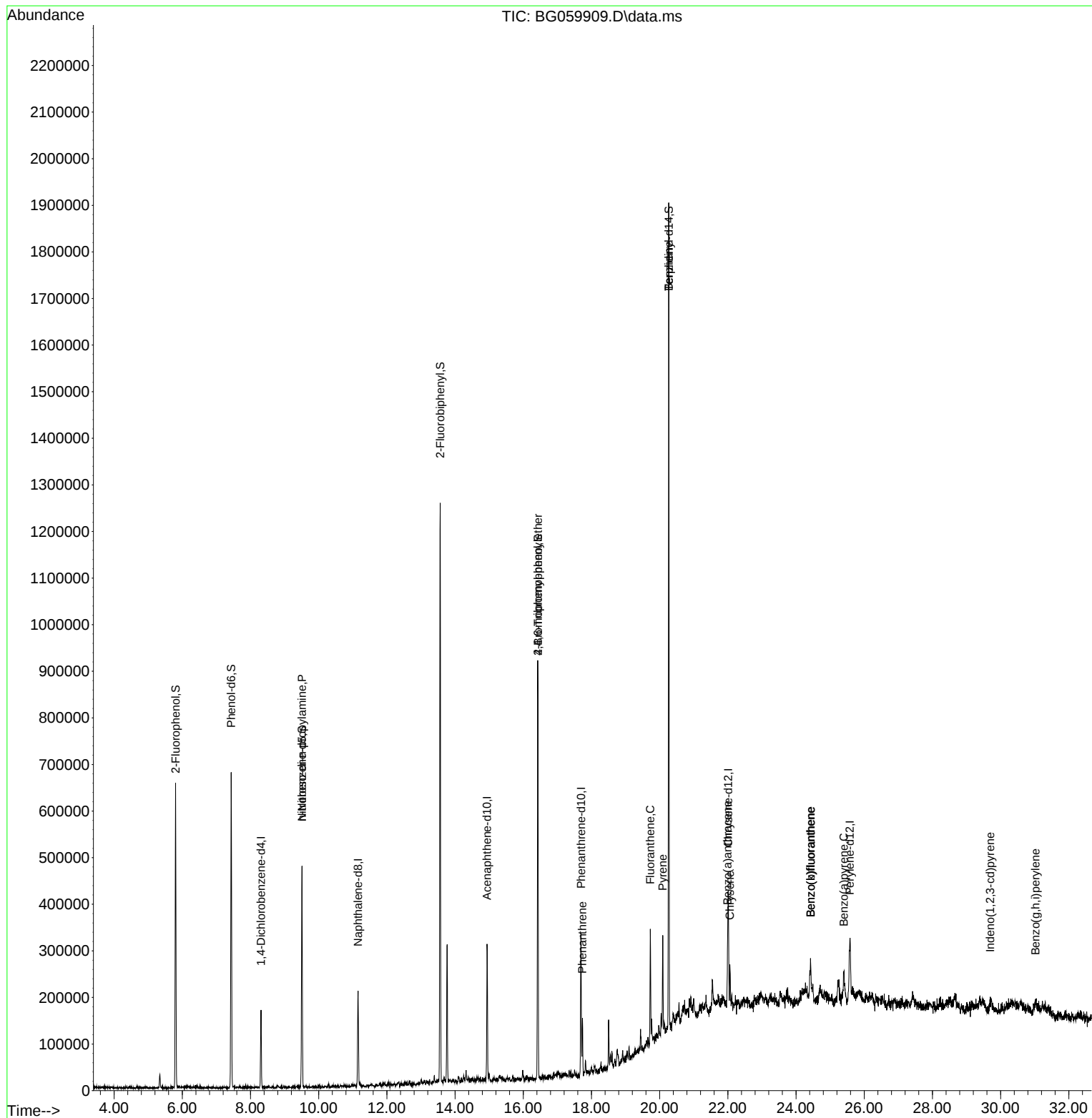
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.311	152	34596	20.000	ng	0.00
21) Naphthalene-d8	11.155	136	148411	20.000	ng	# 0.00
39) Acenaphthene-d10	14.939	164	89537	20.000	ng	0.00
64) Phenanthrene-d10	17.694	188	171856	20.000	ng	# 0.00
76) Chrysene-d12	22.013	240	130597	20.000	ng	# 0.00
86) Perylene-d12	25.579	264	169910	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.808	112	233596	113.647	ng	0.01
7) Phenol-d6	7.436	99	309165	101.500	ng	0.00
23) Nitrobenzene-d5	9.510	82	276637	71.190	ng	0.00
42) 2,4,6-Tribromophenol	16.431	330	119703	117.829	ng	0.00
45) 2-Fluorobiphenyl	13.564	172	544997	81.932	ng	0.00
79) Terphenyl-d14	20.268	244	686390	77.588	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.510	70	43578	18.168	ng	# 79
67) 4-Bromophenyl-phenylether	16.431	248	8645	4.682	ng	# 1
71) Phenanthrene	17.736	178	67452	7.720	ng	# 92
75) Fluoranthene	19.727	202	138856	13.252	ng	100
77) Benzidine	20.268	184	24852	8.392	ng	96
78) Pyrene	20.092	202	118212	13.304	ng	98
81) Benzo(a)anthracene	21.989	228	69824	7.814	ng	# 90
83) Chrysene	22.060	228	62508	7.631	ng	# 85
87) Indeno(1,2,3-cd)pyrene	29.698	276	52350	4.072	ng	# 73
88) Benzo(b)fluoranthene	24.428	252	102137	10.968	ng	# 95
89) Benzo(k)fluoranthene	24.428	252	102137	11.094	ng	# 98
90) Benzo(a)pyrene	25.403	252	78255	7.874	ng	# 93
92) Benzo(g,h,i)perylene	31.020	276	30558	2.961	ng	# 64

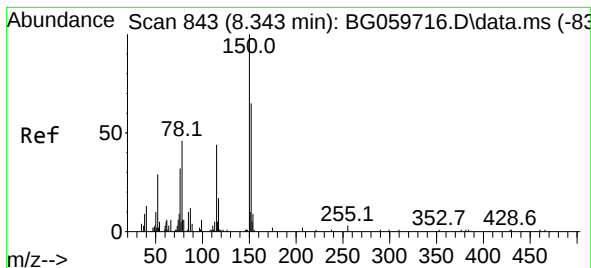
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.311 min Scan# 81

Delta R.T. 0.000 min

Lab File: BG059909.D

Acq: 27 Nov 2023 20:33

Instrument :

BNA_G

ClientSampleId :

NB-08-11162023

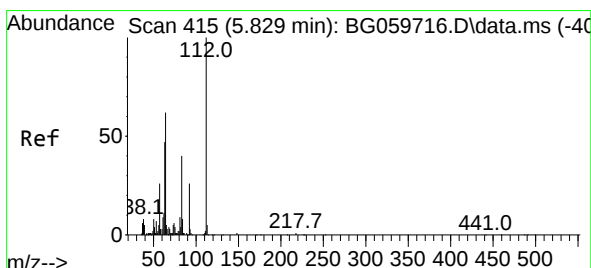
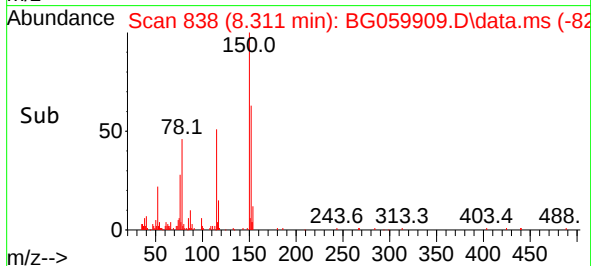
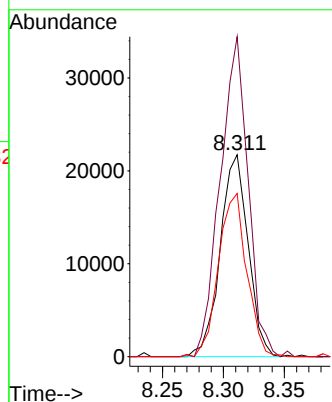
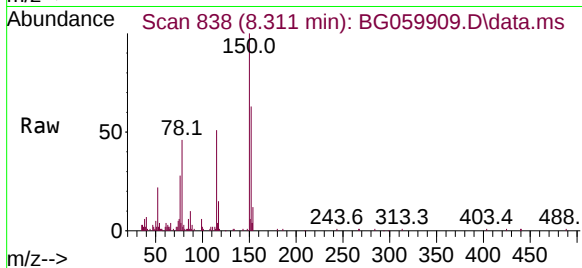
Tgt Ion:152 Resp: 34596

Ion Ratio Lower Upper

152 100

150 158.5 122.2 183.4

115 80.8 54.2 81.4



#5

2-Fluorophenol

Concen: 113.647 ng

RT: 5.808 min Scan# 412

Delta R.T. 0.012 min

Lab File: BG059909.D

Acq: 27 Nov 2023 20:33

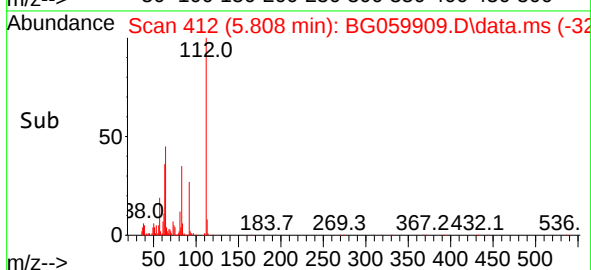
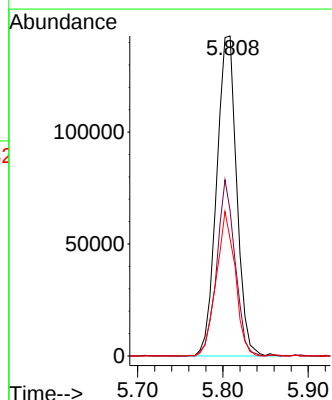
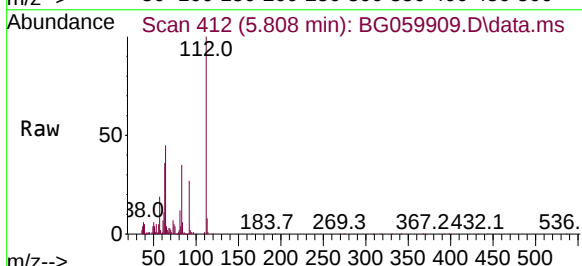
Tgt Ion:112 Resp: 233596

Ion Ratio Lower Upper

112 100

64 45.4 49.5 74.3#

63 36.5 37.4 56.2#

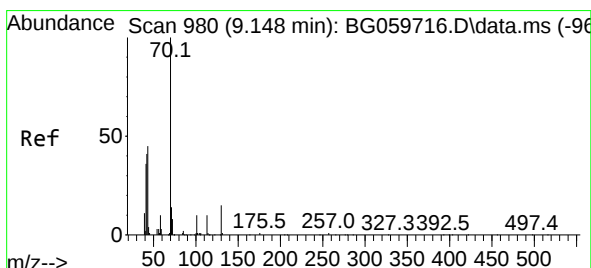
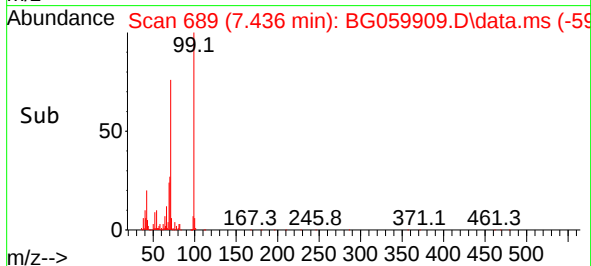
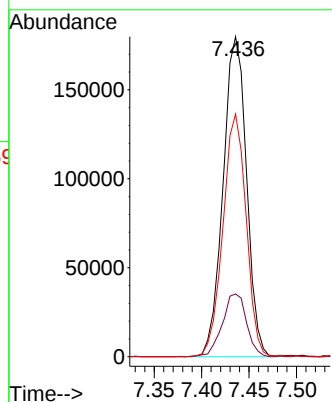
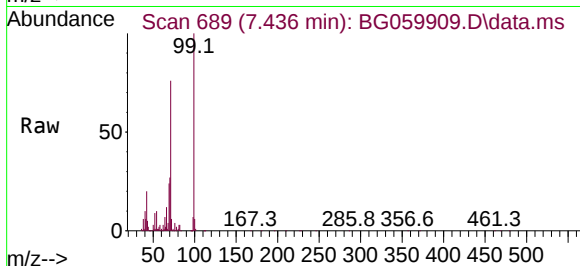




#7
Phenol-d6
Concen: 101.500 ng
RT: 7.436 min Scan# 61
Delta R.T. 0.006 min
Lab File: BG059909.D
Acq: 27 Nov 2023 20:33

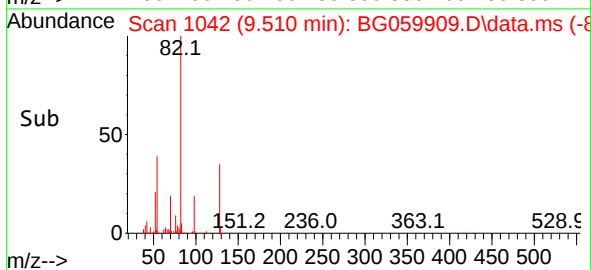
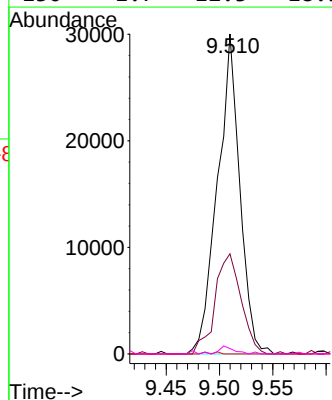
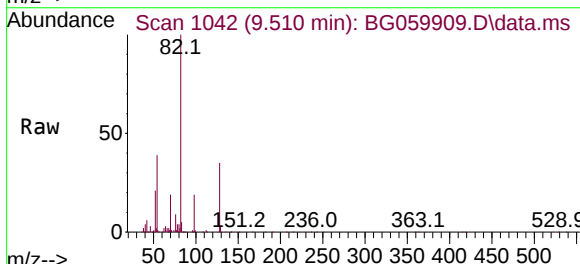
Instrument :
BNA_G
ClientSampleId :
NB-08-11162023

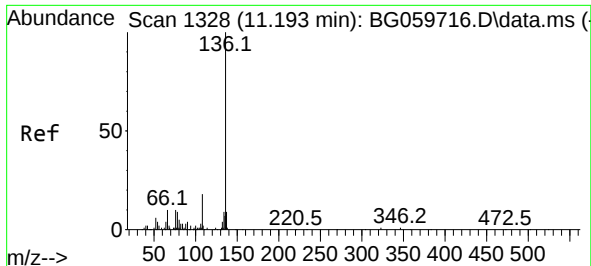
Tgt Ion: 99 Resp: 309165
Ion Ratio Lower Upper
99 100
42 19.6 14.3 21.5
71 75.8 59.3 88.9



#19
n-Nitroso-di-n-propylamine
Concen: 18.168 ng
RT: 9.510 min Scan# 1042
Delta R.T. 0.400 min
Lab File: BG059909.D
Acq: 27 Nov 2023 20:33

Tgt Ion: 70 Resp: 43578
Ion Ratio Lower Upper
70 100
42 31.3 32.8 49.2#
101 0.0 7.7 11.5#
130 1.7 12.3 18.5#

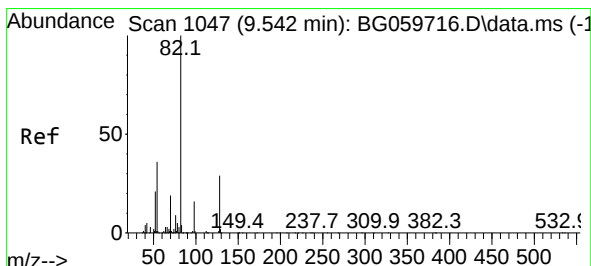
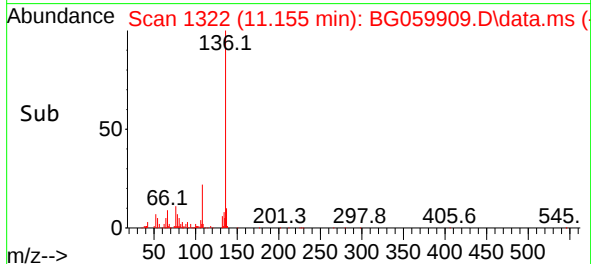
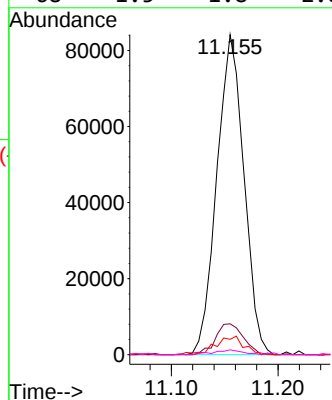
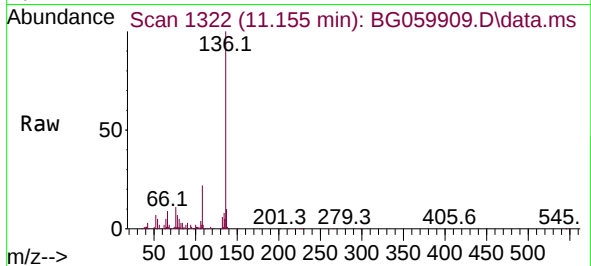




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.155 min Scan# 11
Delta R.T. 0.000 min
Lab File: BG059909.D
Acq: 27 Nov 2023 20:33

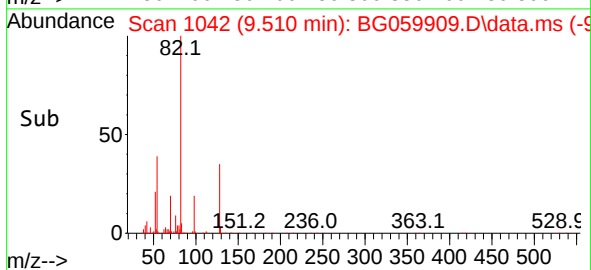
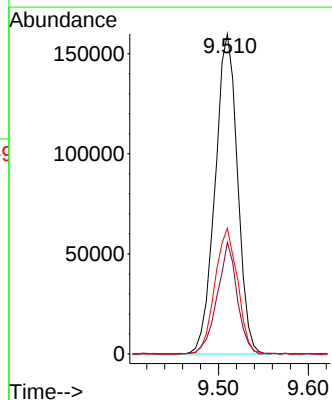
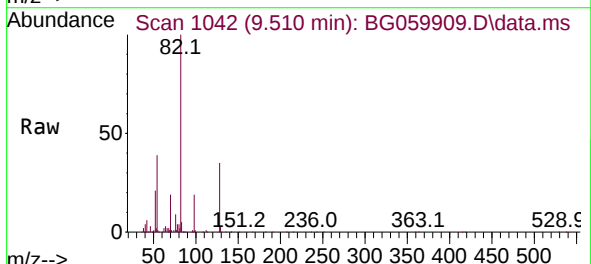
Instrument :
BNA_G
ClientSampleId :
NB-08-11162023

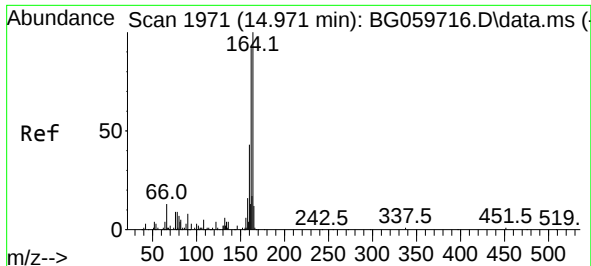
Tgt Ion:136 Resp: 148411
Ion Ratio Lower Upper
136 100
137 9.6 7.4 11.0
54 4.8 3.1 4.7#
68 1.5 1.8 2.8#



#23
Nitrobenzene-d5
Concen: 71.190 ng
RT: 9.510 min Scan# 1042
Delta R.T. 0.000 min
Lab File: BG059909.D
Acq: 27 Nov 2023 20:33

Tgt Ion: 82 Resp: 276637
Ion Ratio Lower Upper
82 100
128 34.9 23.0 34.6#
54 39.3 28.7 43.1

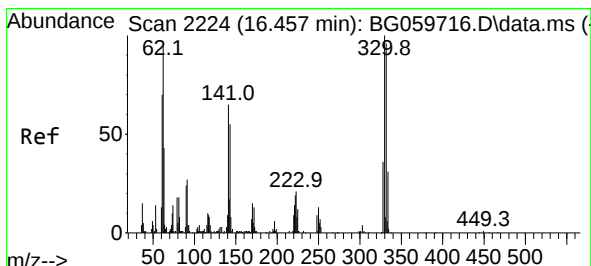
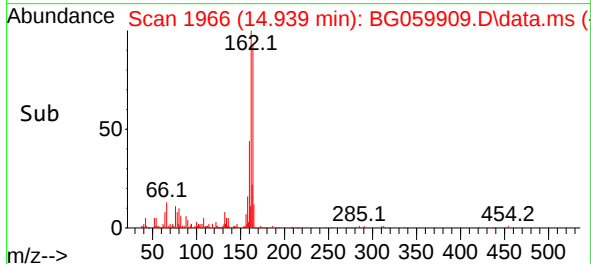
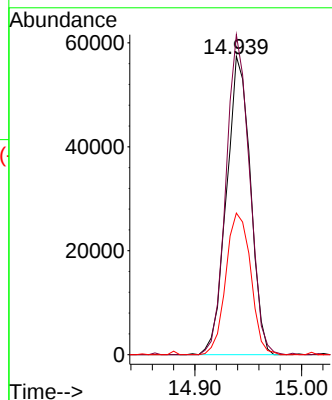
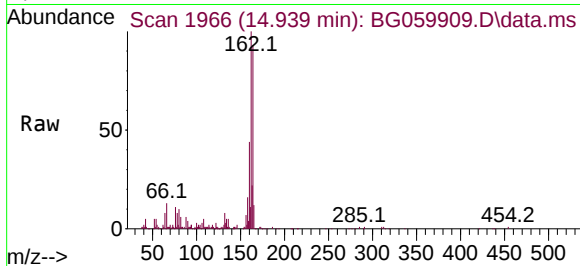




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.939 min Scan# 1971
Delta R.T. -0.006 min
Lab File: BG059909.D
Acq: 27 Nov 2023 20:33

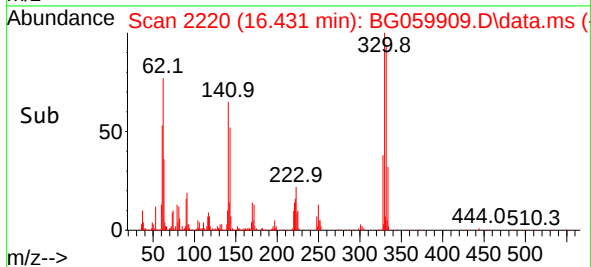
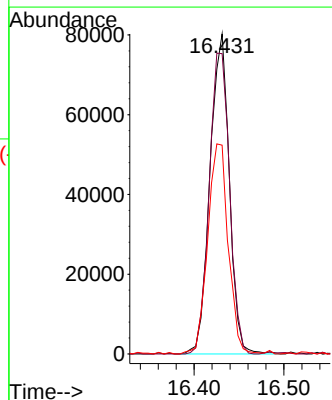
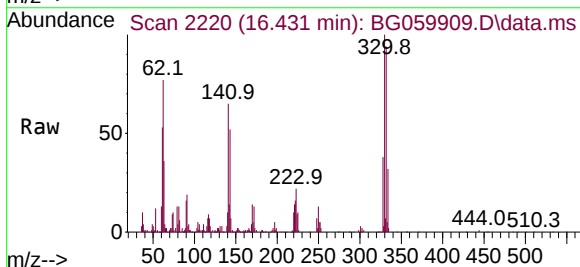
Instrument :
BNA_G
ClientSampleId :
NB-08-11162023

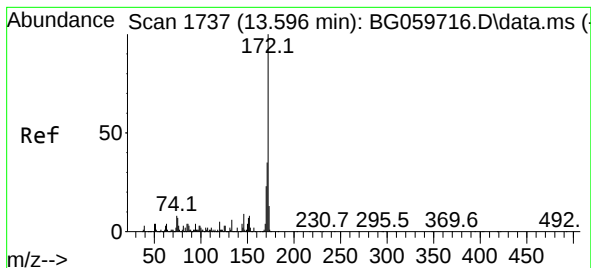
Tgt Ion:164 Resp: 89537
Ion Ratio Lower Upper
164 100
162 107.3 73.3 109.9
160 47.5 34.1 51.1



#42
2,4,6-Tribromophenol
Concen: 117.829 ng
RT: 16.431 min Scan# 2220
Delta R.T. 0.000 min
Lab File: BG059909.D
Acq: 27 Nov 2023 20:33

Tgt Ion:330 Resp: 119703
Ion Ratio Lower Upper
330 100
332 99.2 73.3 109.9
141 69.9 52.1 78.1





#45

2-Fluorobiphenyl

Concen: 81.932 ng

RT: 13.564 min Scan# 1

Delta R.T. 0.000 min

Lab File: BG059909.D

Acq: 27 Nov 2023 20:33

Instrument :

BNA_G

ClientSampleId :

NB-08-11162023

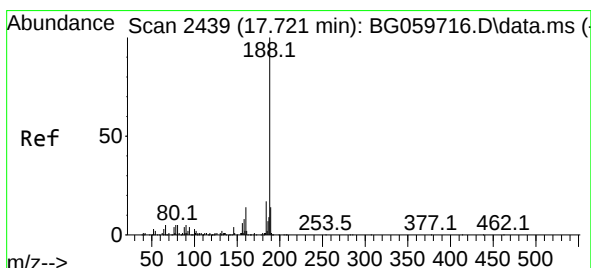
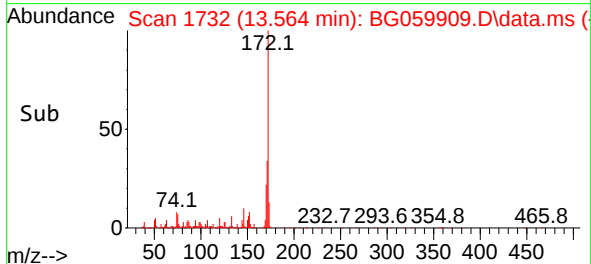
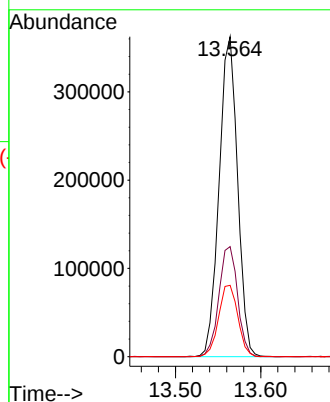
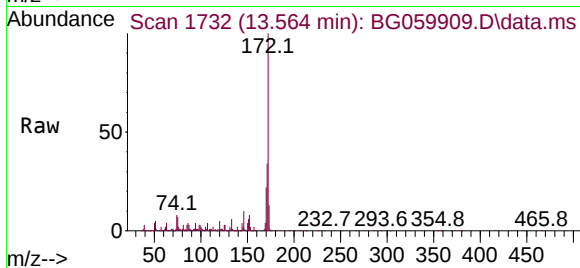
Tgt Ion:172 Resp: 544997

Ion Ratio Lower Upper

172 100

171 34.4 27.7 41.5

170 22.3 18.4 27.6



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.694 min Scan# 2435

Delta R.T. 0.000 min

Lab File: BG059909.D

Acq: 27 Nov 2023 20:33

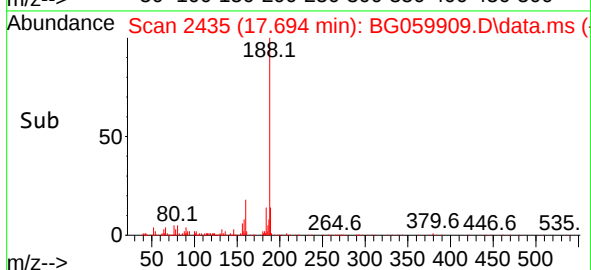
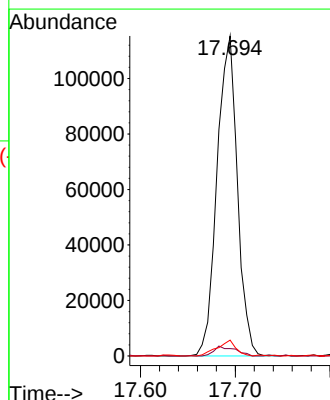
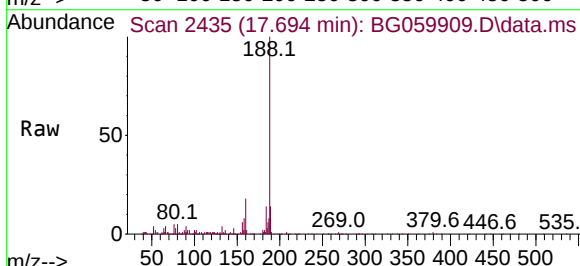
Tgt Ion:188 Resp: 171856

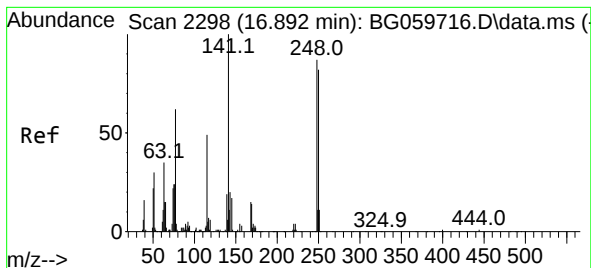
Ion Ratio Lower Upper

188 100

94 2.3 3.0 4.4#

80 5.0 4.2 6.4

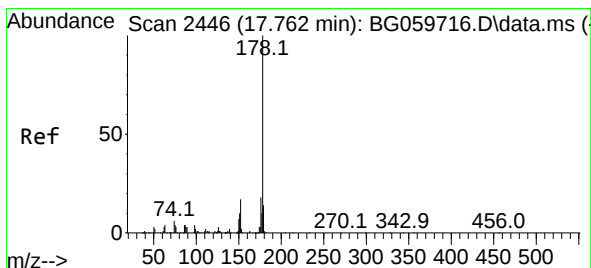
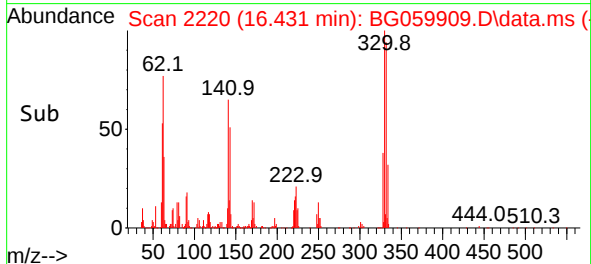
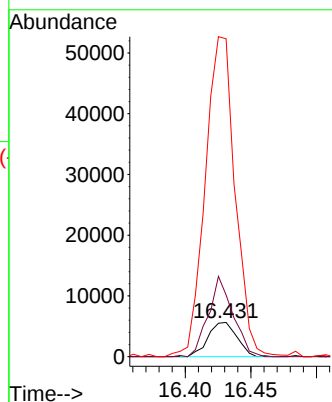
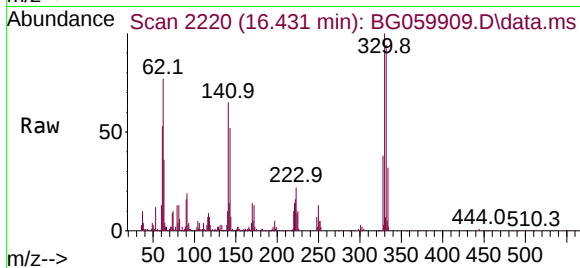




#67
4-Bromophenyl-phenylether
Concen: 4.682 ng
RT: 16.431 min Scan# 21
Delta R.T. -0.435 min
Lab File: BG059909.D
Acq: 27 Nov 2023 20:33

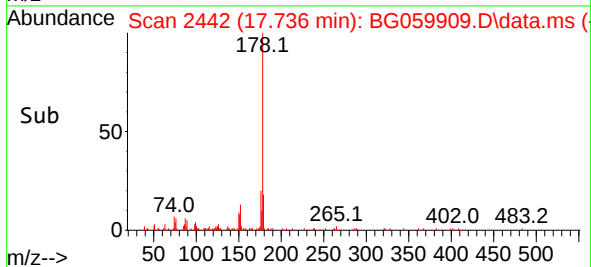
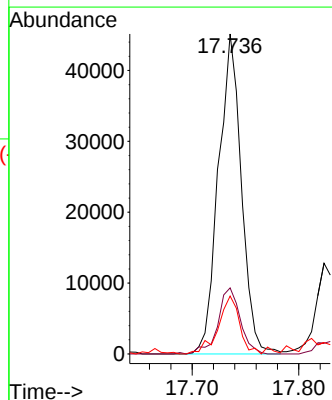
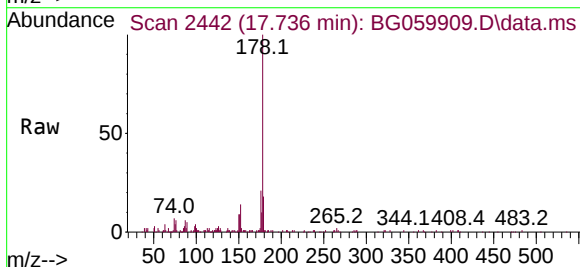
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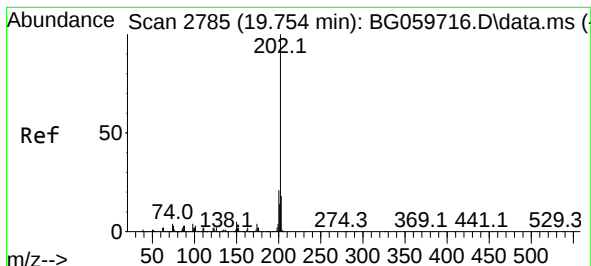
Tgt Ion:248 Resp: 8645
Ion Ratio Lower Upper
248 100
250 245.3 75.2 112.8#
141 929.2 91.5 137.3#



#71
Phenanthrene
Concen: 7.720 ng
RT: 17.736 min Scan# 2442
Delta R.T. 0.000 min
Lab File: BG059909.D
Acq: 27 Nov 2023 20:33

Tgt Ion:178 Resp: 67452
Ion Ratio Lower Upper
178 100
176 20.7 14.5 21.7
179 18.1 11.2 16.8#





#75

Fluoranthene

Concen: 13.252 ng

RT: 19.727 min Scan# 21

Delta R.T. 0.000 min

Lab File: BG059909.D

Acq: 27 Nov 2023 20:33

Instrument :

BNA_G

ClientSampleId :

NB-08-11162023

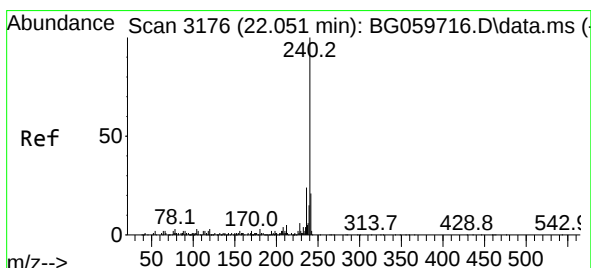
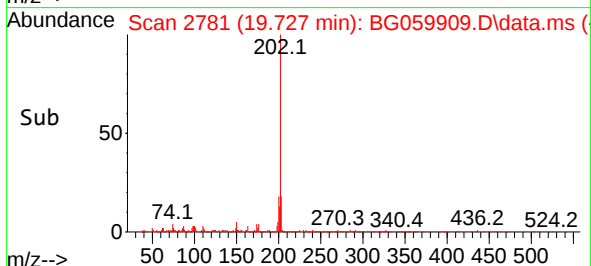
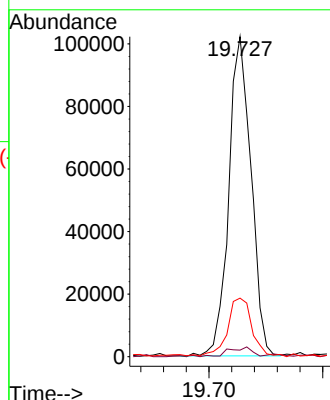
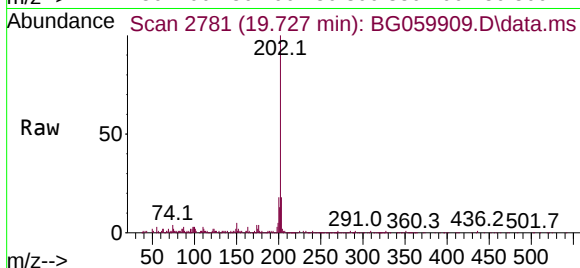
Tgt Ion:202 Resp: 138856

Ion Ratio Lower Upper

202 100

101 2.0 0.0 22.7

203 18.3 0.0 38.2



#76

Chrysene-d12

Concen: 20.000 ng

RT: 22.013 min Scan# 3170

Delta R.T. -0.006 min

Lab File: BG059909.D

Acq: 27 Nov 2023 20:33

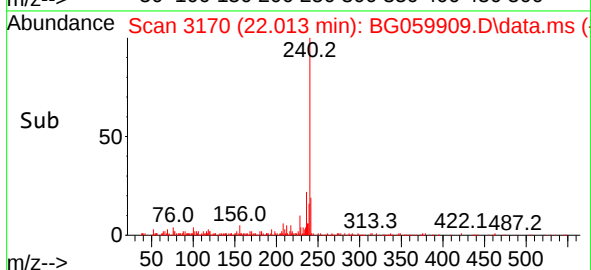
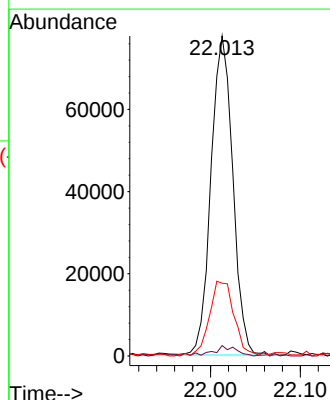
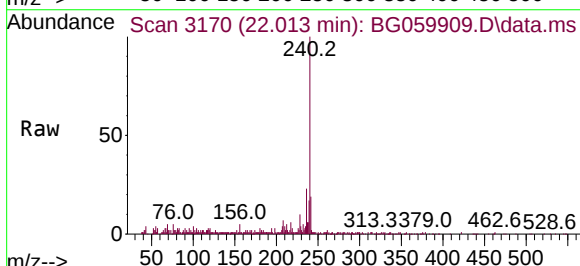
Tgt Ion:240 Resp: 130597

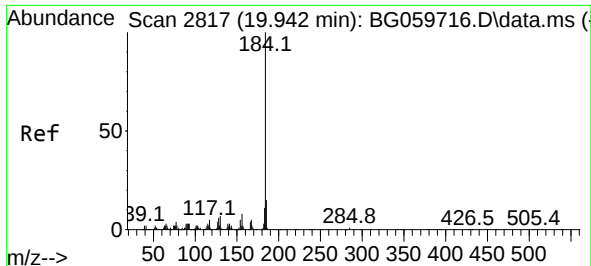
Ion Ratio Lower Upper

240 100

120 3.3 2.2 3.2#

236 22.8 19.4 29.2

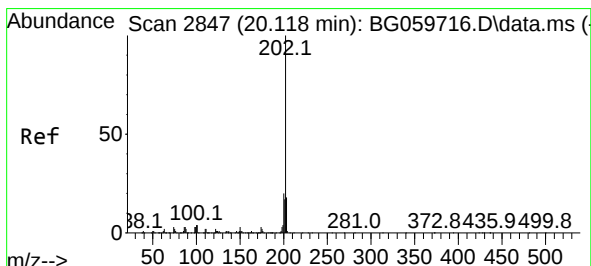
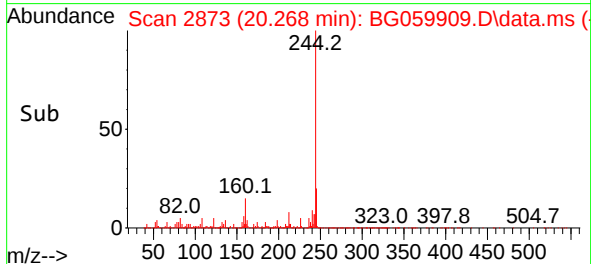
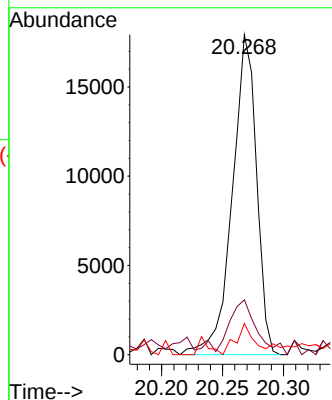
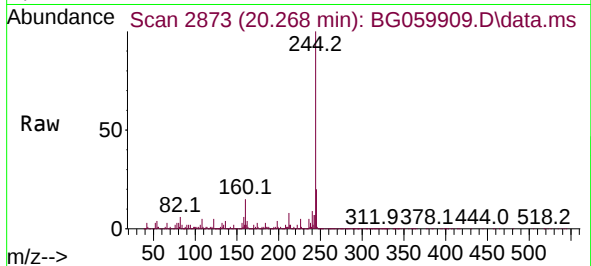




#77
Benzidine
Concen: 8.392 ng
RT: 20.268 min Scan# 21
Delta R.T. 0.353 min
Lab File: BG059909.D
Acq: 27 Nov 2023 20:33

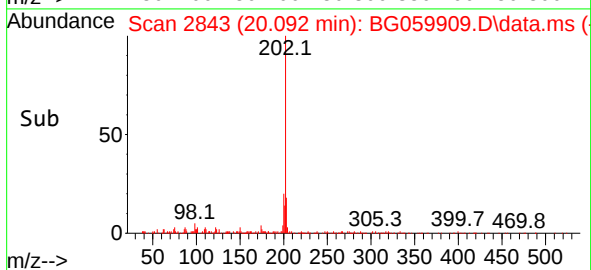
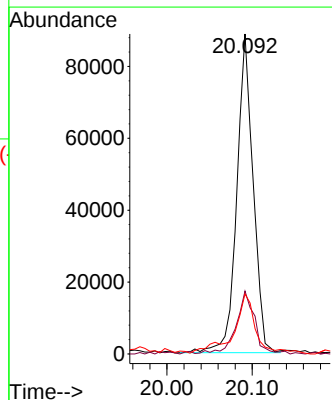
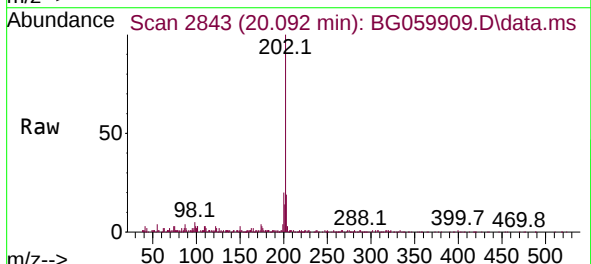
Instrument :
BNA_G
ClientSampleId :
NB-08-11162023

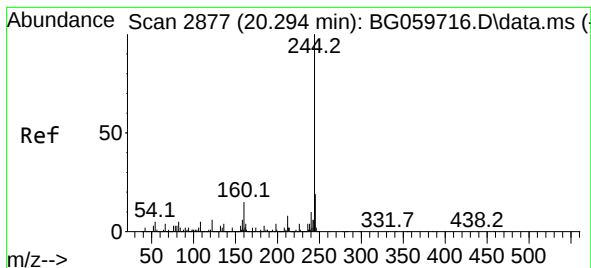
Tgt Ion:184 Resp: 24852
Ion Ratio Lower Upper
184 100
185 17.2 12.2 18.2
183 9.7 8.8 13.2



#78
Pyrene
Concen: 13.304 ng
RT: 20.092 min Scan# 2843
Delta R.T. -0.006 min
Lab File: BG059909.D
Acq: 27 Nov 2023 20:33

Tgt Ion:202 Resp: 118212
Ion Ratio Lower Upper
202 100
200 19.6 16.2 24.4
203 18.7 14.0 21.0





#79

Terphenyl-d14

Concen: 77.588 ng

RT: 20.268 min Scan# 21

Delta R.T. 0.000 min

Lab File: BG059909.D

Acq: 27 Nov 2023 20:33

Instrument :

BNA_G

ClientSampleId :

NB-08-11162023

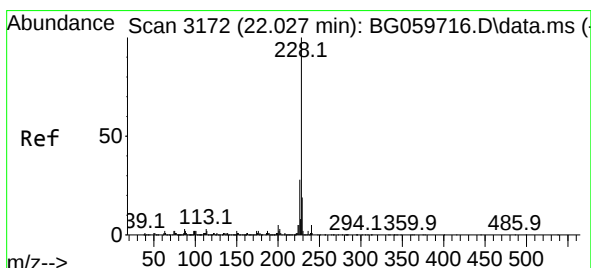
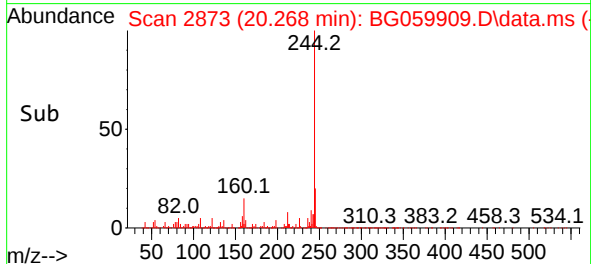
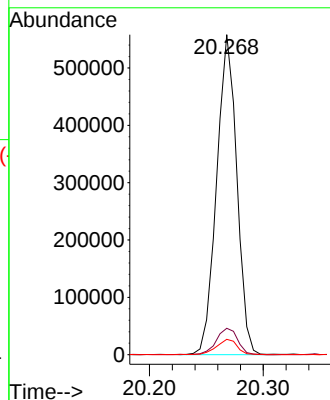
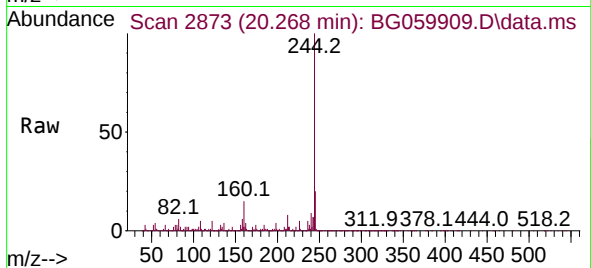
Tgt Ion:244 Resp: 686390

Ion Ratio Lower Upper

244 100

212 8.2 6.6 10.0

122 4.8 4.4 6.6



#81

Benzo(a)anthracene

Concen: 7.814 ng

RT: 21.989 min Scan# 3166

Delta R.T. -0.006 min

Lab File: BG059909.D

Acq: 27 Nov 2023 20:33

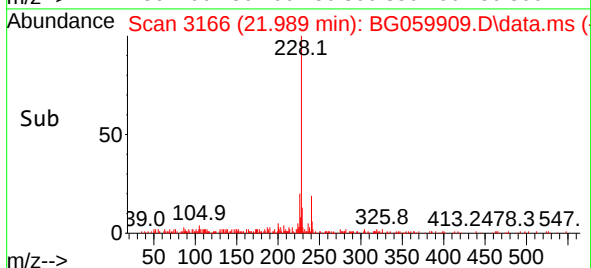
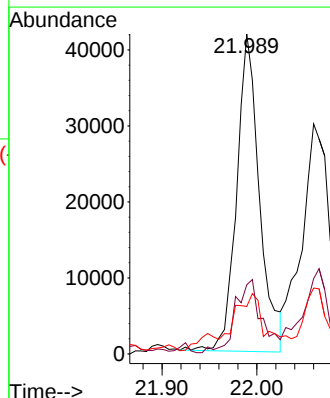
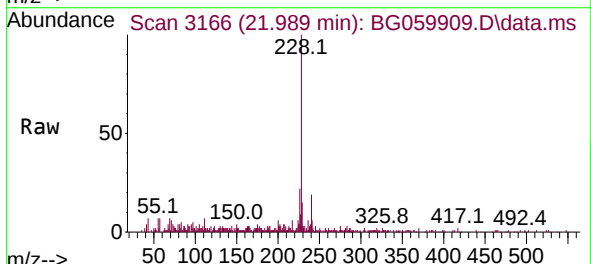
Tgt Ion:228 Resp: 69824

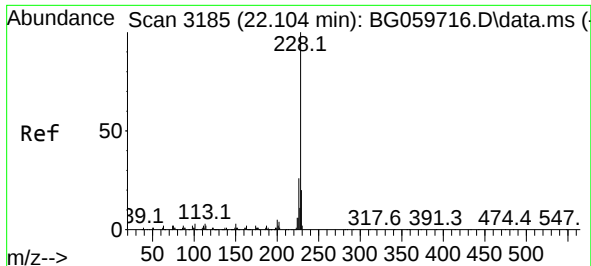
Ion Ratio Lower Upper

228 100

226 21.6 22.1 33.1#

229 14.8 14.9 22.3#

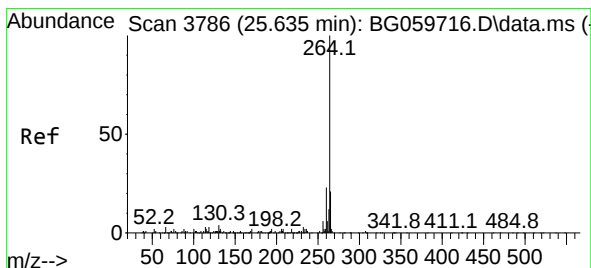
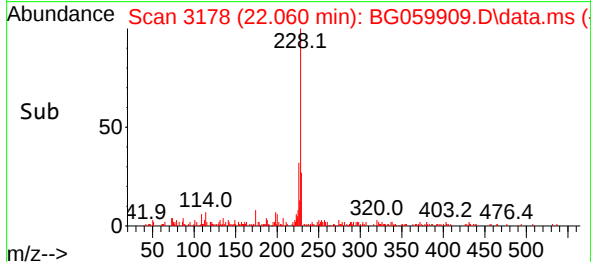
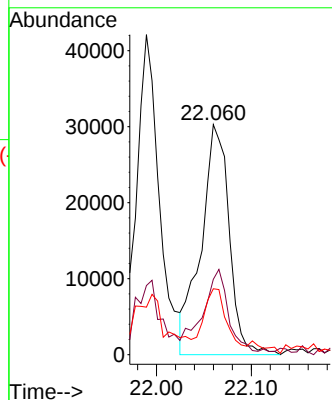
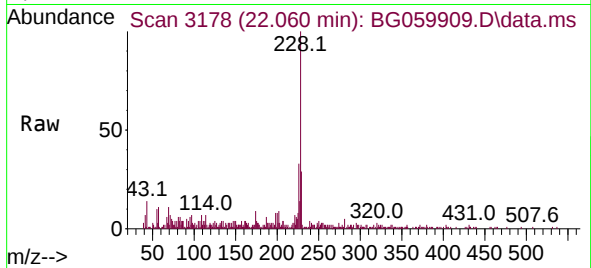




#83
Chrysene
Concen: 7.631 ng
RT: 22.060 min Scan# 3185
Delta R.T. -0.006 min
Lab File: BG059909.D
Acq: 27 Nov 2023 20:33

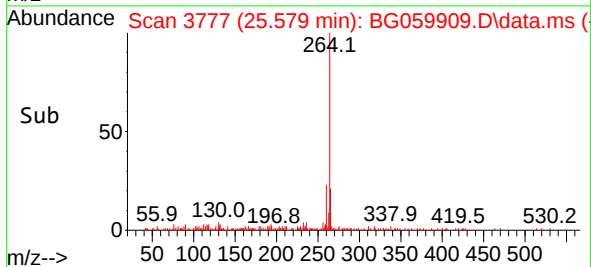
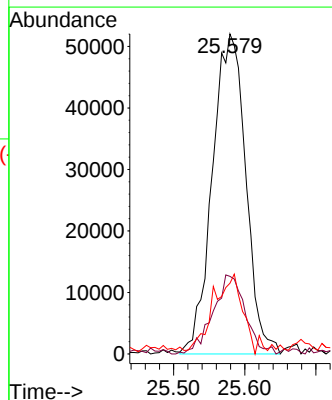
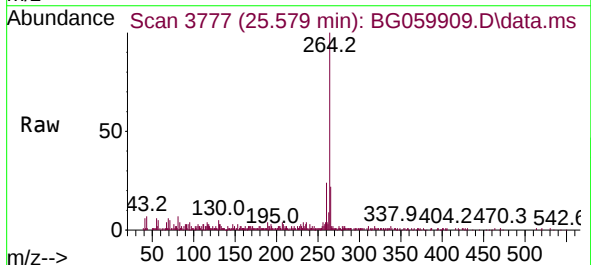
Instrument :
BNA_G
ClientSampleId :
NB-08-11162023

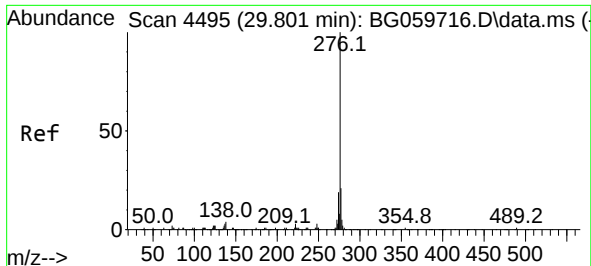
Tgt Ion:228 Resp: 62508
Ion Ratio Lower Upper
228 100
226 32.8 21.1 31.7#
229 28.7 16.2 24.4#



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.579 min Scan# 3777
Delta R.T. 0.000 min
Lab File: BG059909.D
Acq: 27 Nov 2023 20:33

Tgt Ion:264 Resp: 169910
Ion Ratio Lower Upper
264 100
260 24.3 18.5 27.7
265 22.1 17.0 25.6

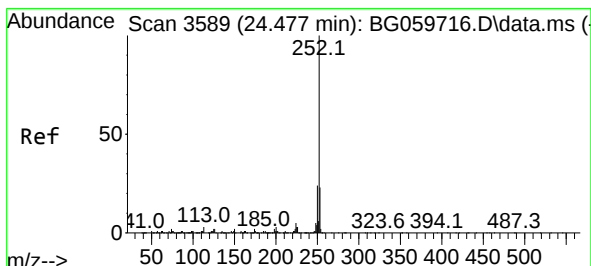
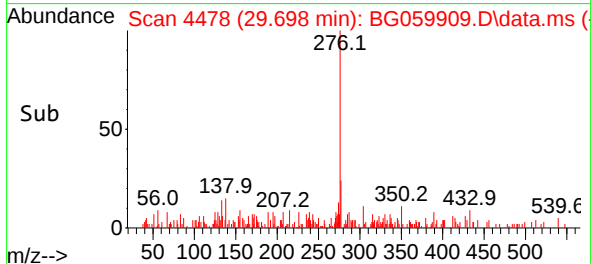
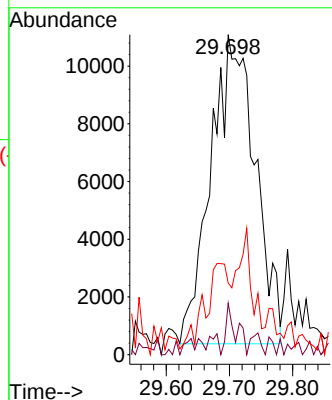
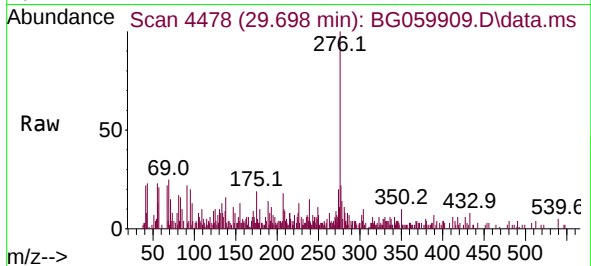




#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.072 ng
 RT: 29.698 min Scan# 4495
 Delta R.T. -0.017 min
 Lab File: BG059909.D
 Acq: 27 Nov 2023 20:33

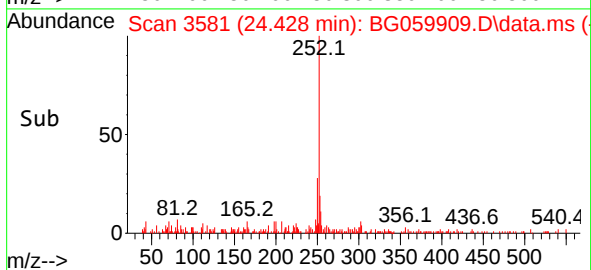
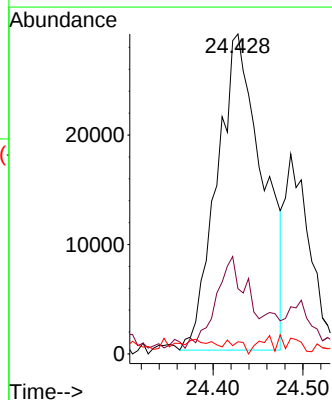
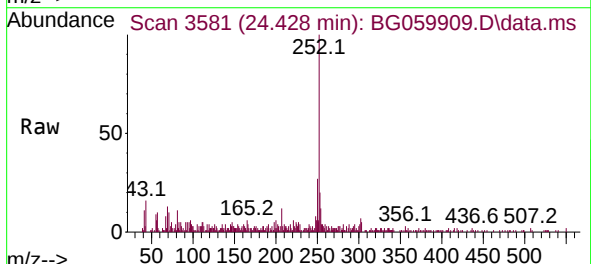
Instrument :
 BNA_G
 ClientSampleId :
 NB-08-11162023

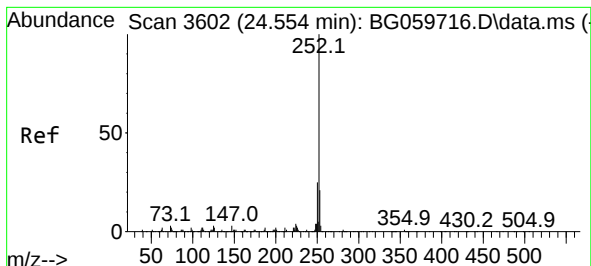
Tgt Ion:276 Resp: 52350
 Ion Ratio Lower Upper
 276 100
 138 2.5 1.8 2.6
 277 0.0 9.8 14.6#



#88
 Benzo(b)fluoranthene
 Concen: 10.968 ng
 RT: 24.428 min Scan# 3581
 Delta R.T. 0.006 min
 Lab File: BG059909.D
 Acq: 27 Nov 2023 20:33

Tgt Ion:252 Resp: 102137
 Ion Ratio Lower Upper
 252 100
 253 20.4 18.3 27.5
 125 3.8 1.4 2.0#





#89

Benzo(k)fluoranthene

Concen: 11.094 ng

RT: 24.428 min Scan# 3

Delta R.T. -0.076 min

Lab File: BG059909.D

Acq: 27 Nov 2023 20:33

Instrument :

BNA_G

ClientSampleId :

NB-08-11162023

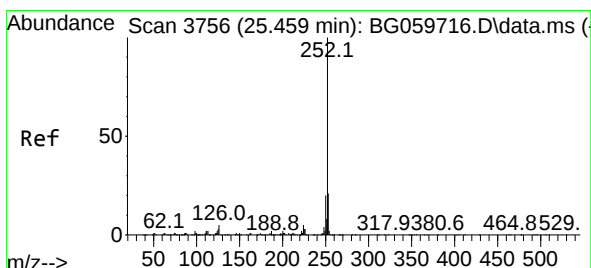
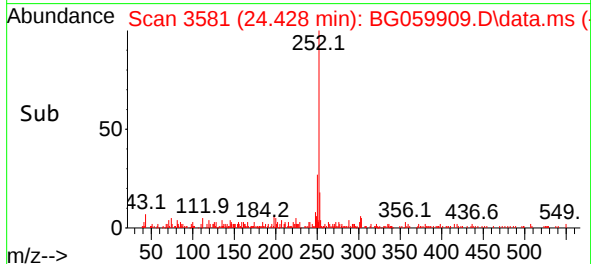
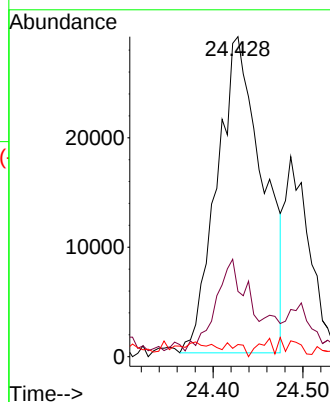
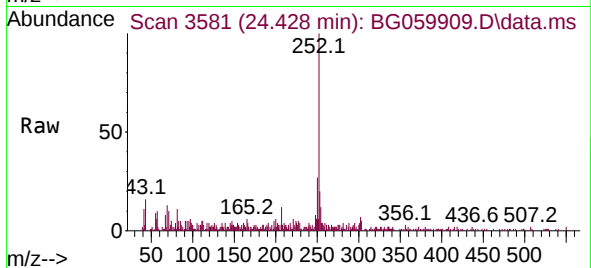
Tgt Ion:252 Resp: 102137

Ion Ratio Lower Upper

252 100

253 20.4 17.1 25.7

125 3.8 2.2 3.2#



#90

Benzo(a)pyrene

Concen: 7.874 ng

RT: 25.403 min Scan# 3747

Delta R.T. -0.011 min

Lab File: BG059909.D

Acq: 27 Nov 2023 20:33

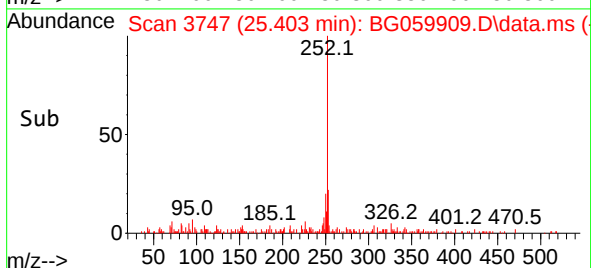
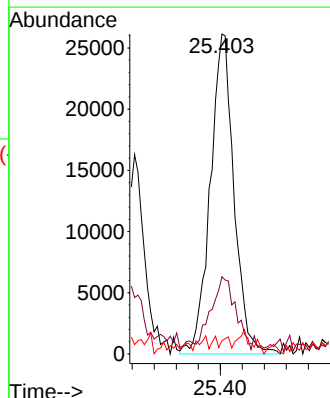
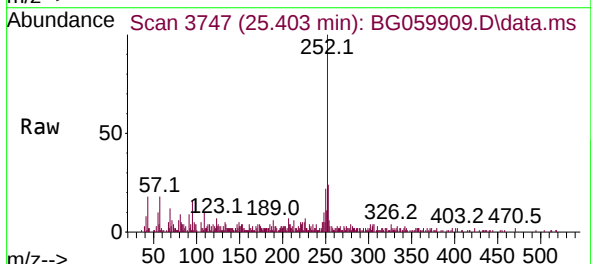
Tgt Ion:252 Resp: 78255

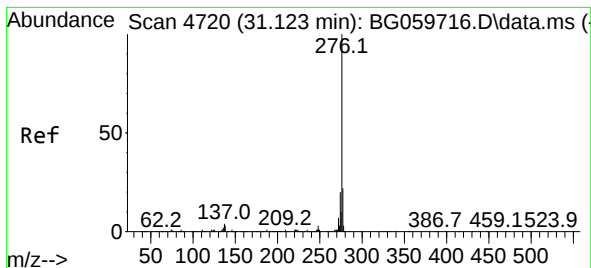
Ion Ratio Lower Upper

252 100

253 24.2 16.8 25.2

125 4.2 2.0 3.0#





#92

Benzo(g,h,i)perylene

Concen: 2.961 ng

RT: 31.020 min Scan# 41

Delta R.T. -0.017 min

Lab File: BG059909.D

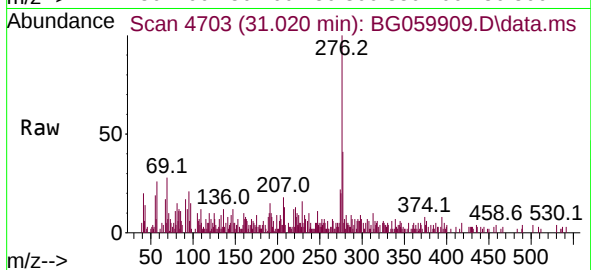
Acq: 27 Nov 2023 20:33

Instrument :

BNA_G

ClientSampleId :

NB-08-11162023



Tgt Ion:276 Resp: 30558

Ion Ratio Lower Upper

276 100

277 40.5 17.3 25.9#

138 5.4 2.6 4.0#

