

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050924\
 Data File : BG061155.D
 Acq On : 9 May 2024 17:32
 Operator : MA/JU
 Sample : P2390-08
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PE-4

Quant Time: May 09 18:15:00 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

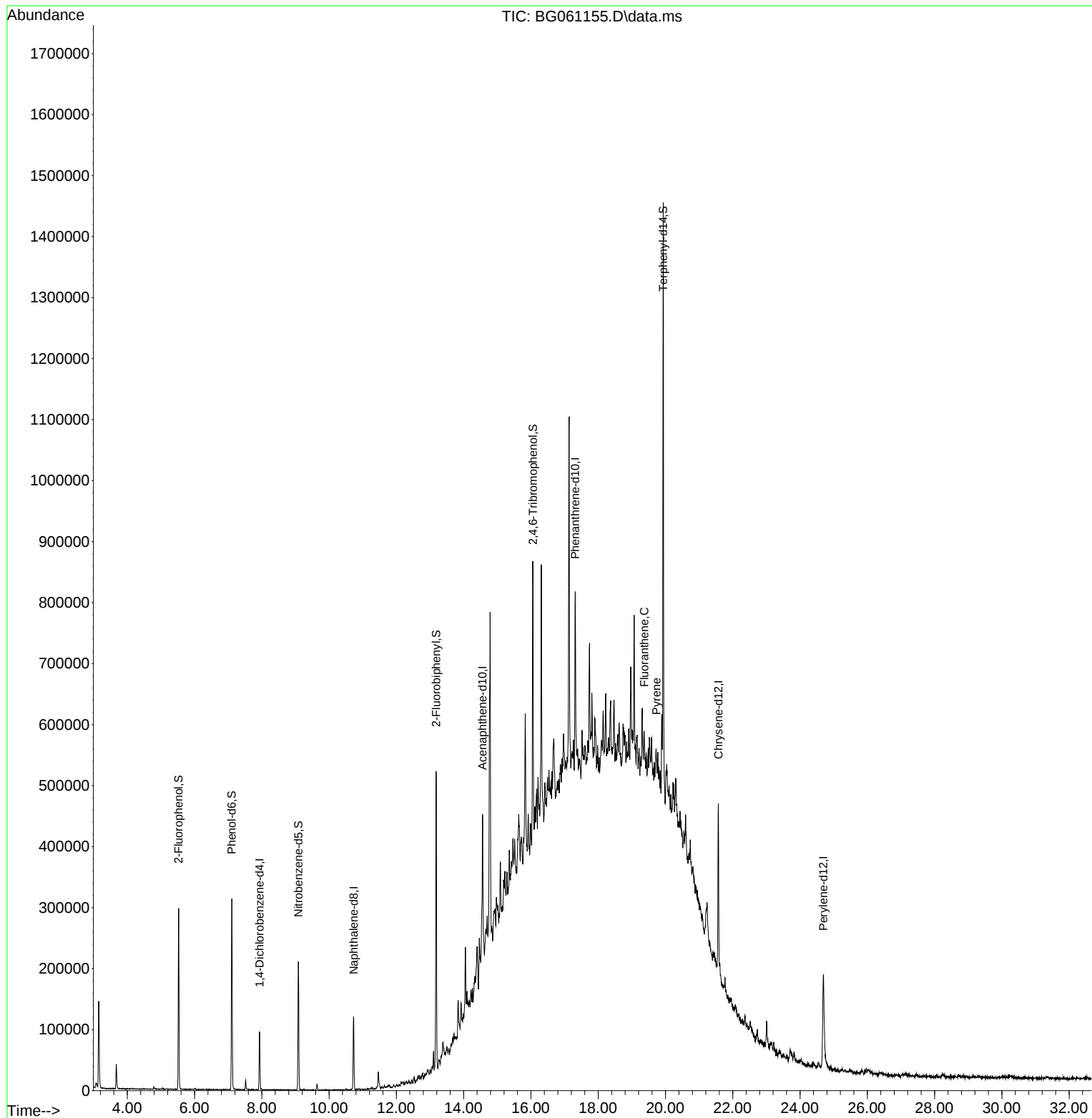
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.935	152	25611	20.000	ng	-0.03
21) Naphthalene-d8	10.732	136	96022	20.000	ng	#-0.03
39) Acenaphthene-d10	14.563	164	71419	20.000	ng	-0.03
64) Phenanthrene-d10	17.312	188	158877	20.000	ng	#-0.02
76) Chrysene-d12	21.572	240	168595	20.000	ng	-0.02
86) Perylene-d12	24.692	264	206918	20.000	ng	-0.04
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	104914	83.311	ng	-0.02
7) Phenol-d6	7.107	99	141187	75.788	ng	-0.03
23) Nitrobenzene-d5	9.087	82	106316	54.887	ng	-0.03
42) 2,4,6-Tribromophenol	16.061	330	102062	71.495	ng	-0.01
45) 2-Fluorobiphenyl	13.182	172	250763	51.920	ng	-0.03
79) Terphenyl-d14	19.933	244	457883	45.169	ng	-0.02
Target Compounds						
						Qvalue
75) Fluoranthene	19.369	202	23485	2.360	ng	91
78) Pyrene	19.733	202	25158	2.347	ng	# 91

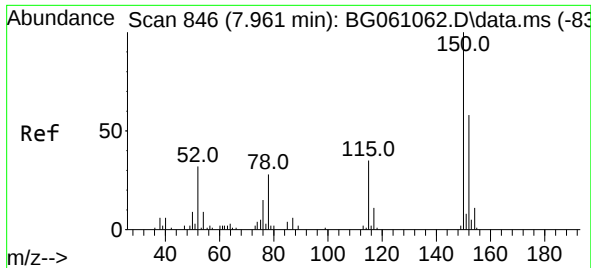
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
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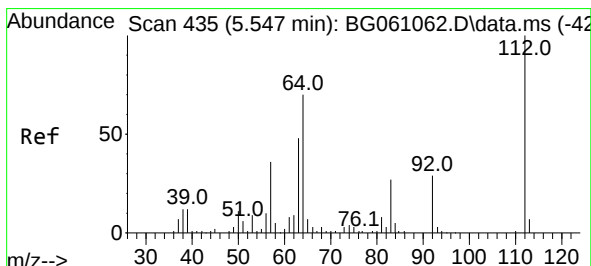
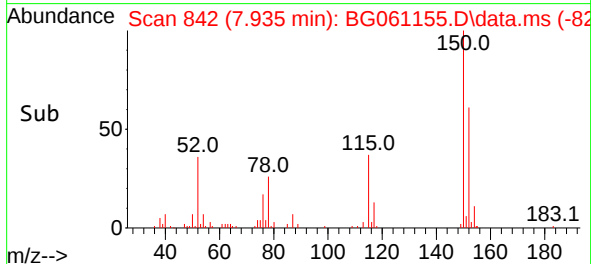
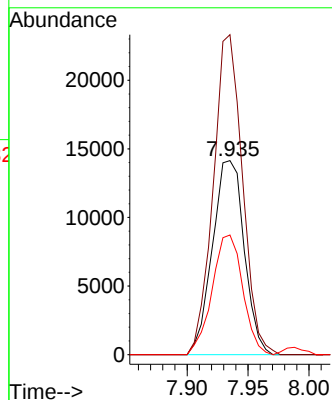
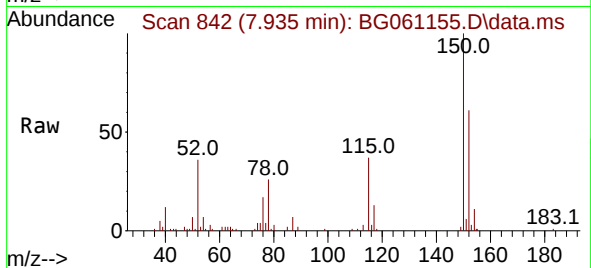




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.935 min Scan# 846
Delta R.T. -0.026 min
Lab File: BG061155.D
Acq: 9 May 2024 17:32

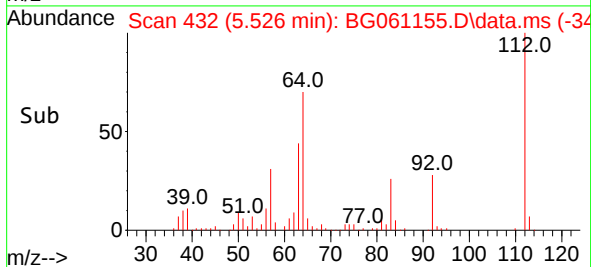
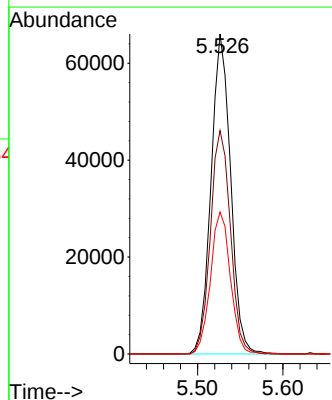
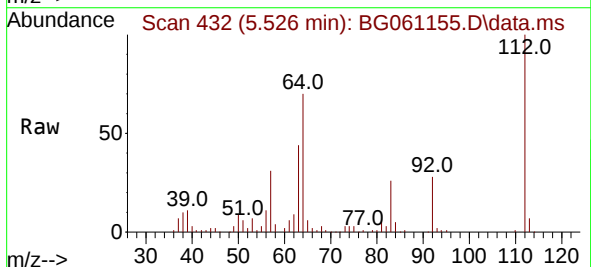
Instrument :
BNA_G
ClientSampleId :
PE-4

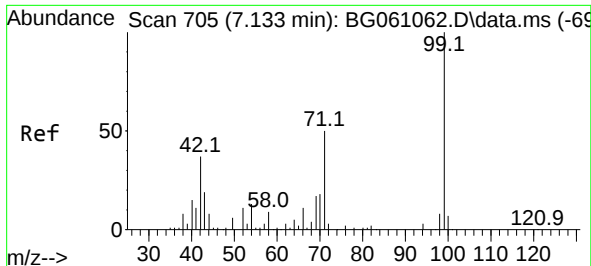
Tgt Ion:152 Resp: 25611
Ion Ratio Lower Upper
152 100
150 164.8 138.3 207.5
115 61.7 48.0 72.0



#5
2-Fluorophenol
Concen: 83.311 ng
RT: 5.526 min Scan# 432
Delta R.T. -0.020 min
Lab File: BG061155.D
Acq: 9 May 2024 17:32

Tgt Ion:112 Resp: 104914
Ion Ratio Lower Upper
112 100
64 69.8 55.7 83.5
63 44.3 38.1 57.1

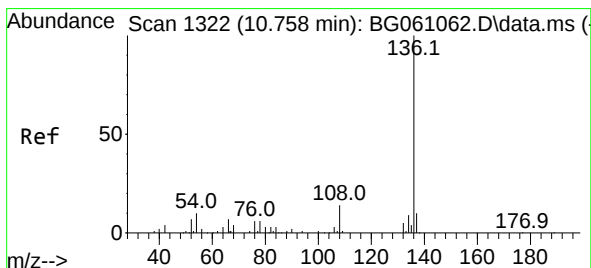
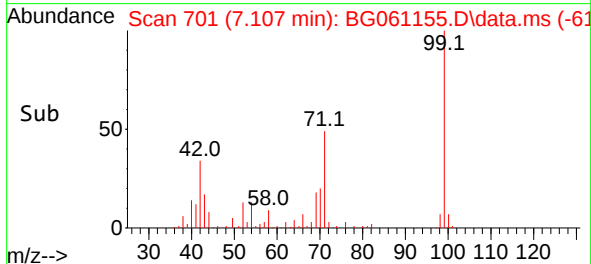
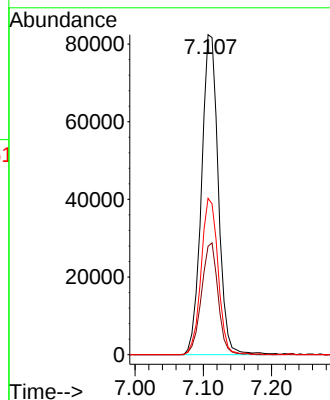
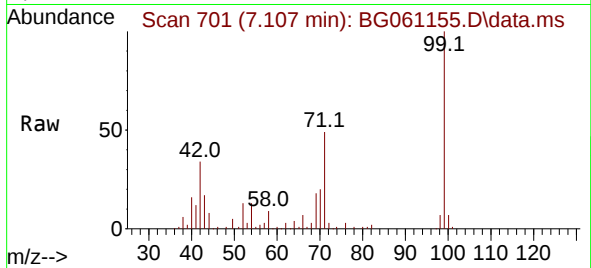




#7
Phenol-d6
Concen: 75.788 ng
RT: 7.107 min Scan# 705
Delta R.T. -0.026 min
Lab File: BG061155.D
Acq: 9 May 2024 17:32

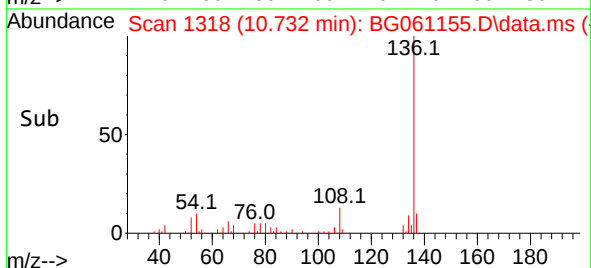
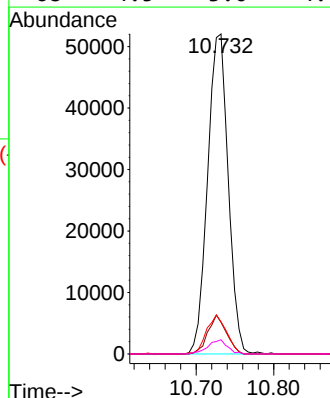
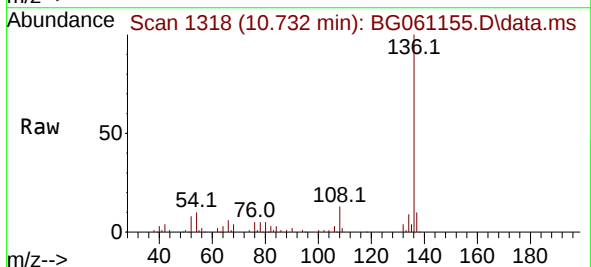
Instrument :
BNA_G
ClientSampleId :
PE-4

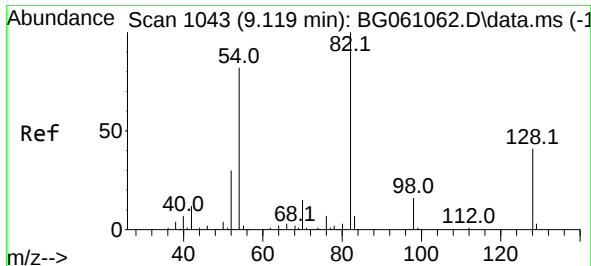
Tgt Ion: 99 Resp: 141187
Ion Ratio Lower Upper
99 100
42 33.8 29.2 43.8
71 48.8 39.7 59.5



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.732 min Scan# 1318
Delta R.T. -0.026 min
Lab File: BG061155.D
Acq: 9 May 2024 17:32

Tgt Ion: 136 Resp: 96022
Ion Ratio Lower Upper
136 100
137 9.9 7.8 11.6
54 10.0 8.1 12.1
68 4.5 3.0 4.4





#23

Nitrobenzene-d5

Concen: 54.887 ng

RT: 9.087 min Scan# 1043

Delta R.T. -0.032 min

Lab File: BG061155.D

Acq: 9 May 2024 17:32

Instrument :

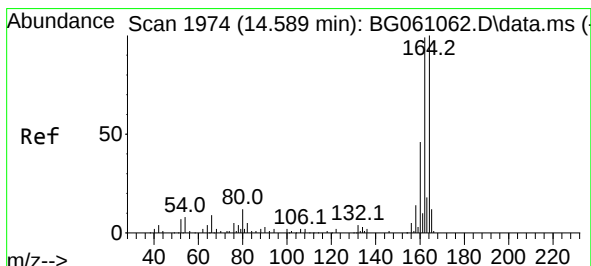
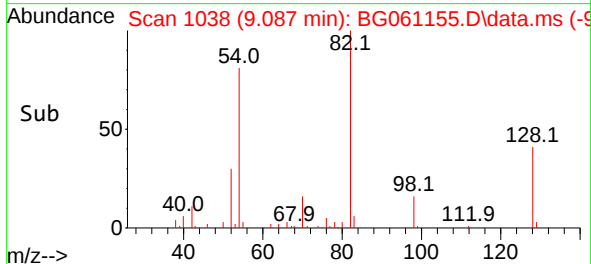
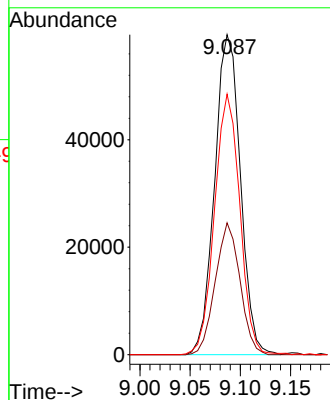
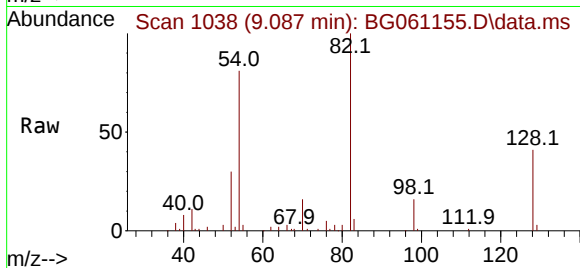
BNA_G

ClientSampleId :

PE-4

Tgt Ion: 82 Resp: 106316

Ion	Ratio	Lower	Upper
82	100		
128	41.2	32.7	49.1
54	81.4	65.6	98.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.563 min Scan# 1970

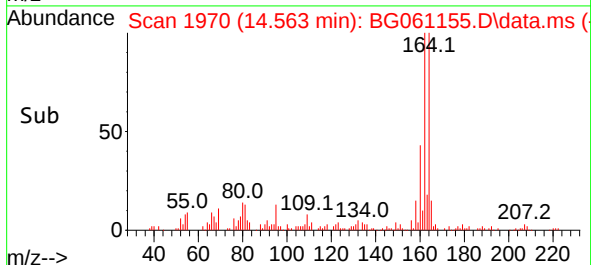
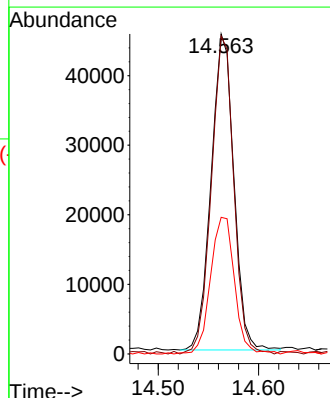
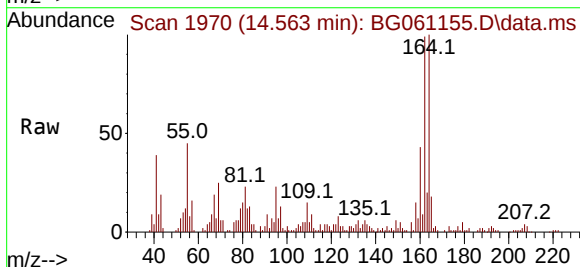
Delta R.T. -0.026 min

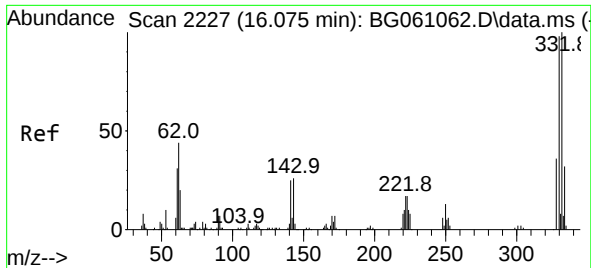
Lab File: BG061155.D

Acq: 9 May 2024 17:32

Tgt Ion:164 Resp: 71419

Ion	Ratio	Lower	Upper
164	100		
162	99.3	79.4	119.2
160	42.7	37.0	55.6

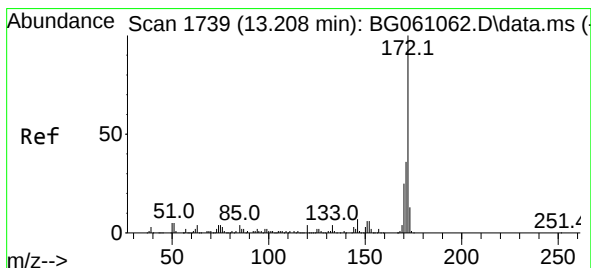
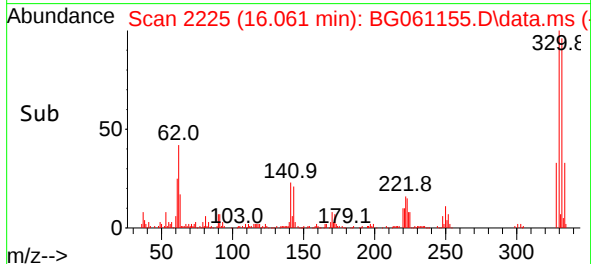
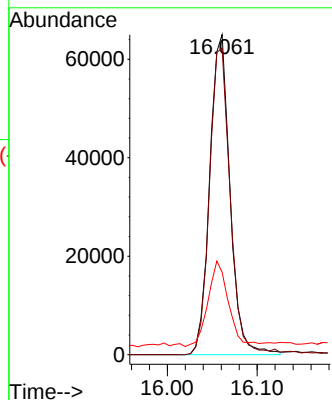
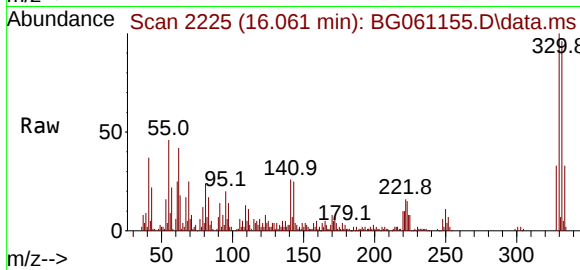




#42
2,4,6-Tribromophenol
Concen: 71.495 ng
RT: 16.061 min Scan# 21
Delta R.T. -0.014 min
Lab File: BG061155.D
Acq: 9 May 2024 17:32

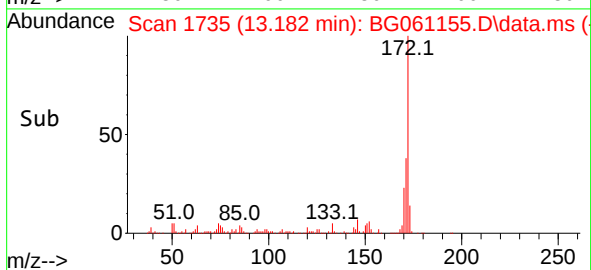
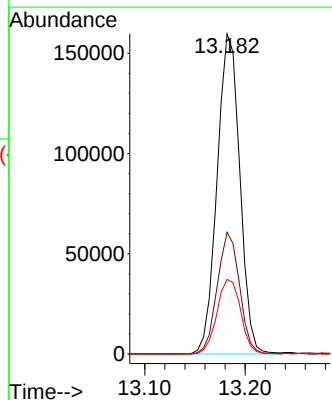
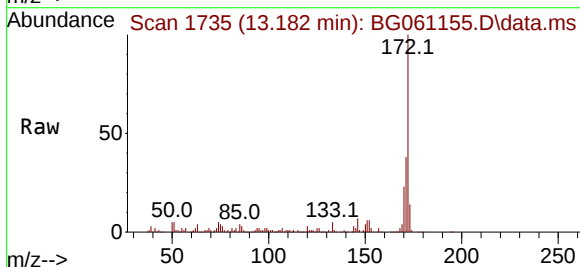
Instrument :
BNA_G
ClientSampleId :
PE-4

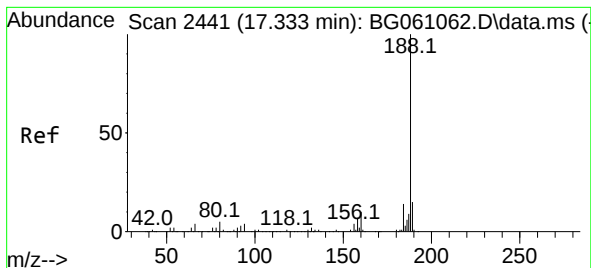
Tgt Ion:330 Resp: 102062
Ion Ratio Lower Upper
330 100
332 98.0 78.6 117.8
141 27.3 20.5 30.7



#45
2-Fluorobiphenyl
Concen: 51.920 ng
RT: 13.182 min Scan# 1735
Delta R.T. -0.026 min
Lab File: BG061155.D
Acq: 9 May 2024 17:32

Tgt Ion:172 Resp: 250763
Ion Ratio Lower Upper
172 100
171 38.0 29.0 43.6
170 23.3 20.2 30.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.312 min Scan# 24

Delta R.T. -0.020 min

Lab File: BG061155.D

Acq: 9 May 2024 17:32

Instrument :

BNA_G

ClientSampleId :

PE-4

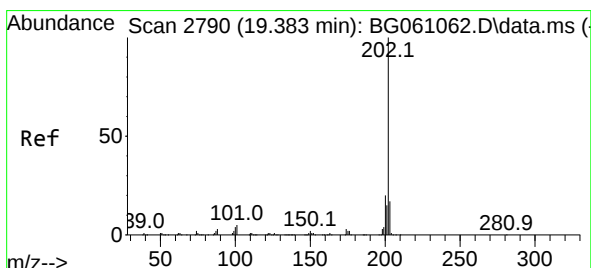
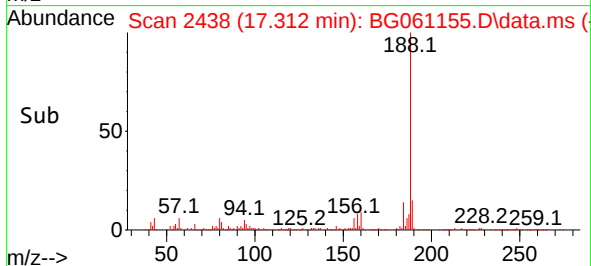
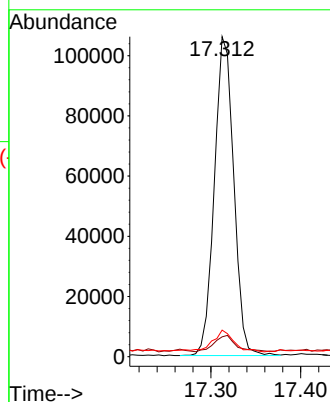
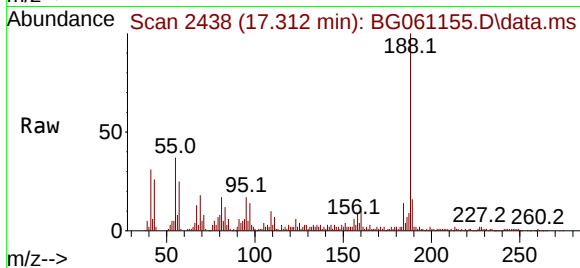
Tgt Ion:188 Resp: 158877

Ion Ratio Lower Upper

188 100

94 6.2 3.6 5.4#

80 8.3 4.2 6.2#



#75

Fluoranthene

Concen: 2.360 ng

RT: 19.369 min Scan# 2788

Delta R.T. -0.014 min

Lab File: BG061155.D

Acq: 9 May 2024 17:32

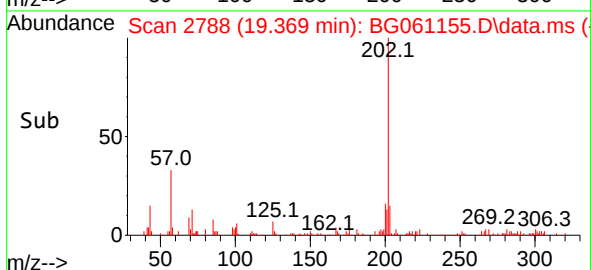
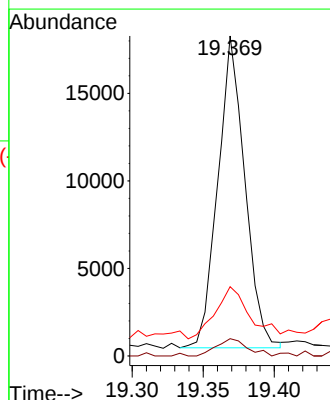
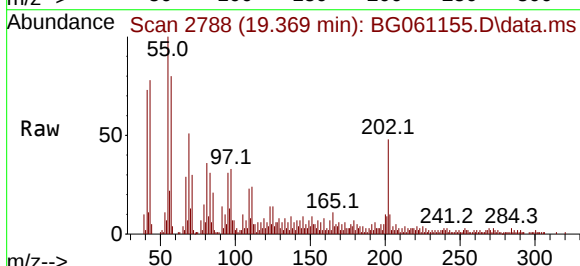
Tgt Ion:202 Resp: 23485

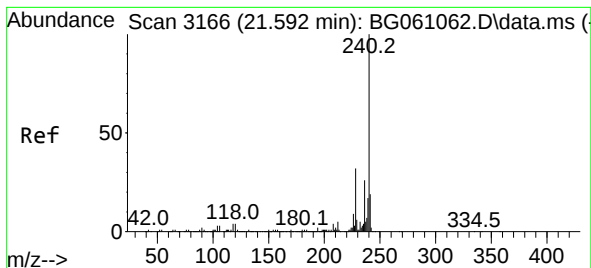
Ion Ratio Lower Upper

202 100

101 5.4 0.0 24.7

203 21.7 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.572 min Scan# 31

Delta R.T. -0.020 min

Lab File: BG061155.D

Acq: 9 May 2024 17:32

Instrument :

BNA_G

ClientSampleId :

PE-4

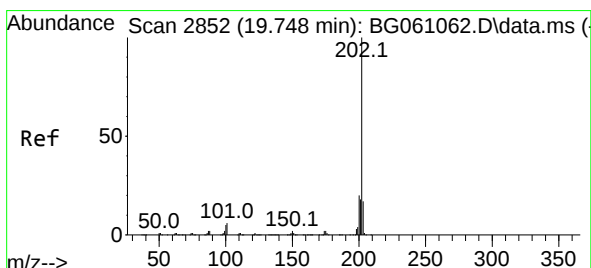
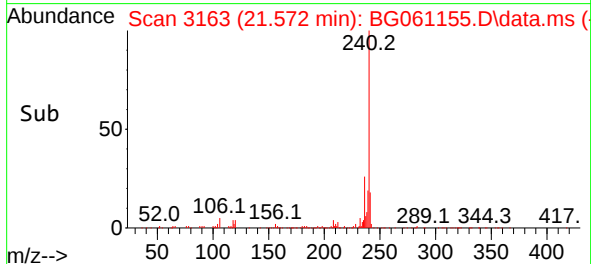
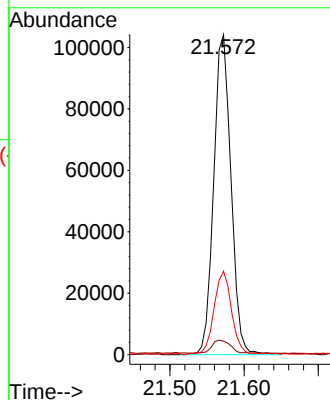
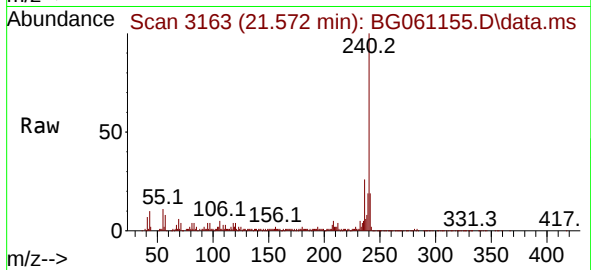
Tgt Ion:240 Resp: 168595

Ion Ratio Lower Upper

240 100

120 4.2 3.2 4.8

236 26.1 21.0 31.6



#78

Pyrene

Concen: 2.347 ng

RT: 19.733 min Scan# 2850

Delta R.T. -0.014 min

Lab File: BG061155.D

Acq: 9 May 2024 17:32

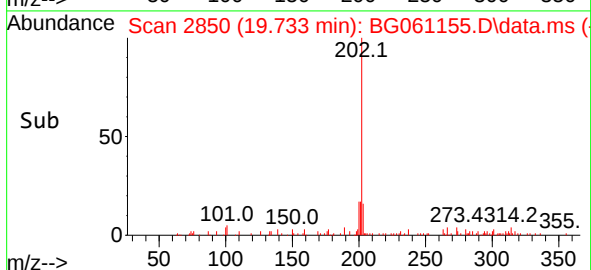
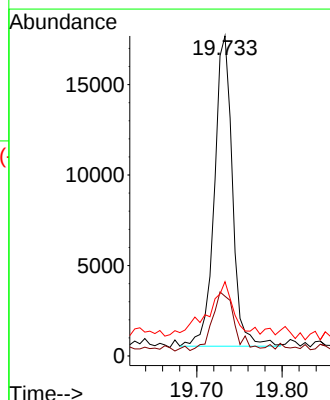
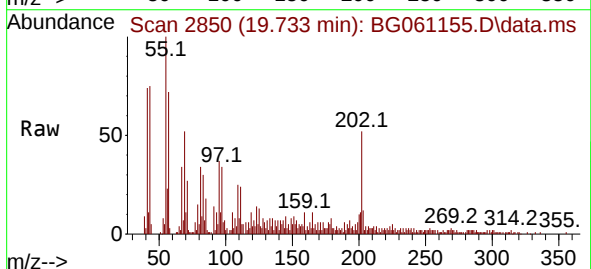
Tgt Ion:202 Resp: 25158

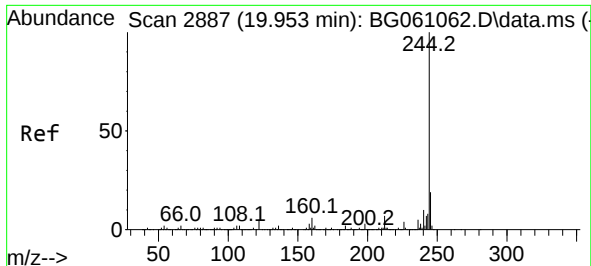
Ion Ratio Lower Upper

202 100

200 18.6 16.2 24.4

203 23.2 13.3 19.9#

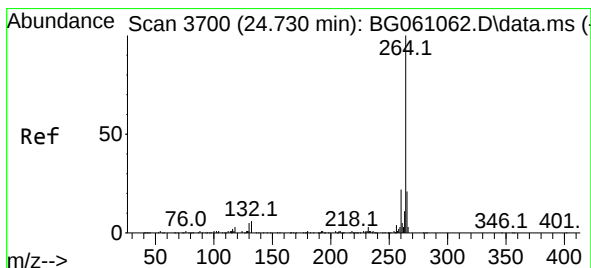
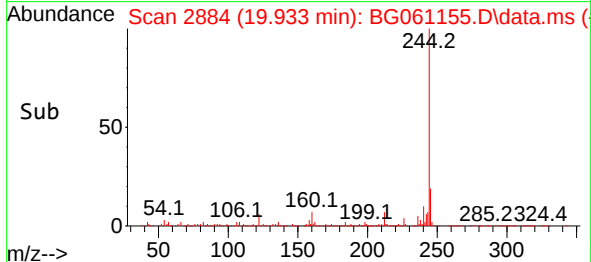
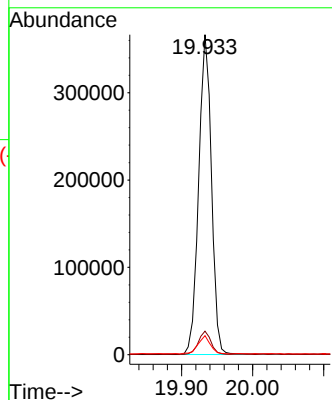
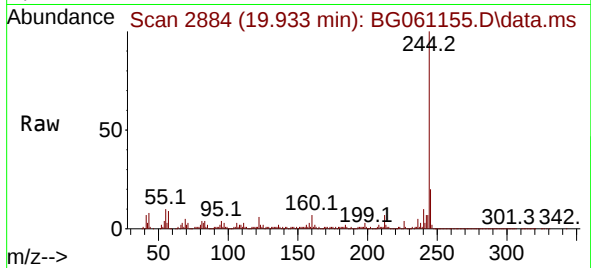




#79
 Terphenyl-d14
 Concen: 45.169 ng
 RT: 19.933 min Scan# 21
 Delta R.T. -0.020 min
 Lab File: BG061155.D
 Acq: 9 May 2024 17:32

Instrument :
 BNA_G
 ClientSampleId :
 PE-4

Tgt Ion:244 Resp: 457883
 Ion Ratio Lower Upper
 244 100
 212 7.4 5.7 8.5
 122 6.0 4.2 6.2



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.692 min Scan# 3694
 Delta R.T. -0.038 min
 Lab File: BG061155.D
 Acq: 9 May 2024 17:32

Tgt Ion:264 Resp: 206918
 Ion Ratio Lower Upper
 264 100
 260 23.1 17.7 26.5
 265 20.7 16.4 24.6

