

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112023\
 Data File : BG059771.D
 Acq On : 20 Nov 2023 16:26
 Operator : MA/JU
 Sample : 05311-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-4

Quant Time: Nov 20 17:02:09 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 17 01:51:38 2023
 Response via : Initial Calibration

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

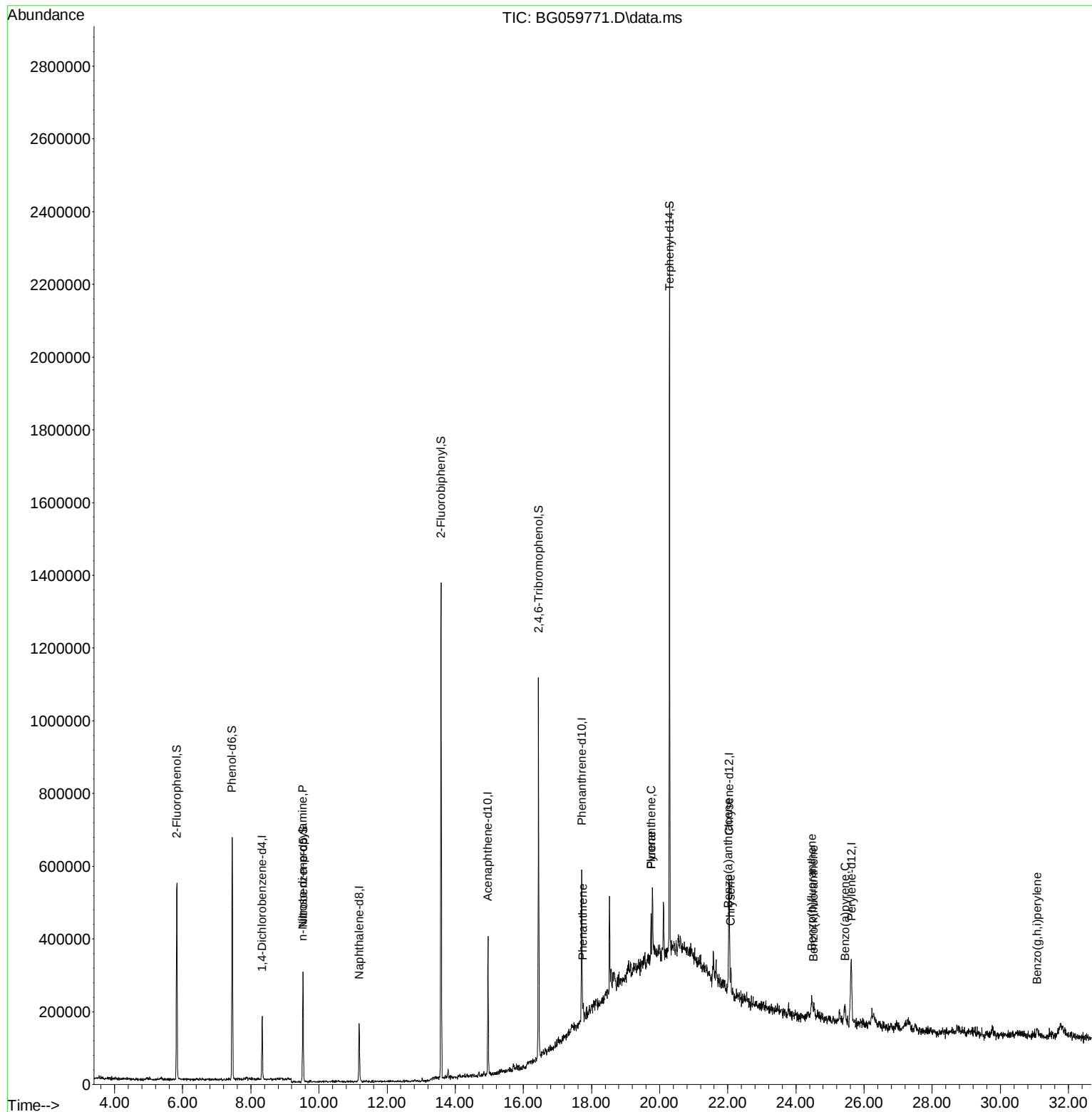
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.331	152	34745	20.000	ng	-0.01
21) Naphthalene-d8	11.181	136	110917	20.000	ng	#-0.01
39) Acenaphthene-d10	14.964	164	122090	20.000	ng	0.00
64) Phenanthrene-d10	17.714	188	218357	20.000	ng	# 0.00
76) Chrysene-d12	22.038	240	167861	20.000	ng	-0.01
86) Perylene-d12	25.628	264	199177	20.000	ng	# 0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.828	112	186313	90.255	ng	0.00
7) Phenol-d6	7.450	99	292748	95.698	ng	0.00
23) Nitrobenzene-d5	9.530	82	184206	63.428	ng	-0.01
42) 2,4,6-Tribromophenol	16.445	330	136828	98.774	ng	-0.01
45) 2-Fluorobiphenyl	13.584	172	555698	61.266	ng	-0.01
79) Terphenyl-d14	20.288	244	762530	67.060	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.524	70	33141	13.757	ng	# 71
71) Phenanthrene	17.749	178	29790	2.683	ng	# 91
75) Fluoranthene	19.747	202	80554	6.050	ng	98
78) Pyrene	19.747	202	80554	7.053	ng	97
81) Benzo(a)anthracene	22.015	228	45280	3.942	ng	91
83) Chrysene	22.085	228	41332	3.926	ng	96
88) Benzo(b)fluoranthene	24.465	252	63501	5.817	ng	# 98
89) Benzo(k)fluoranthene	24.524	252	28268	2.619	ng	# 89
90) Benzo(a)pyrene	25.440	252	47994	4.119	ng	# 88
92) Benzo(g,h,i)perylene	31.081	276	42852	3.542	ng	# 94

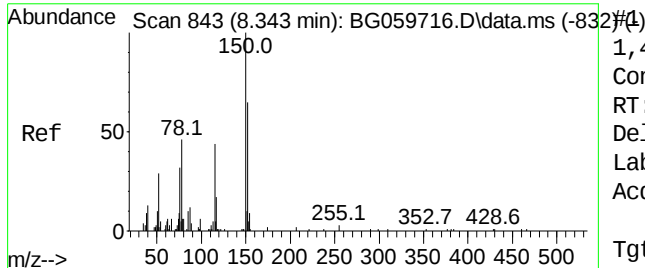
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG112023\
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Misc :
ALS Vial : 5 Sample Multiplier: 1

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TP-4

Quant Time: Nov 20 17:02:09 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG11623.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Nov 17 01:51:38 2023
Response via : Initial Calibration





1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 8.331 min Scan# 843

Delta R.T. -0.012 min

Lab File: BG059771.D

Acq: 20 Nov 2023 16:26

Instrument :

BNA_G

ClientSampleId :

TP-4

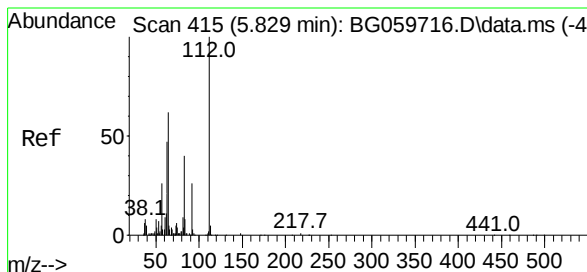
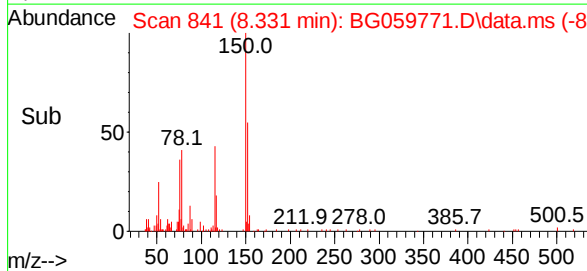
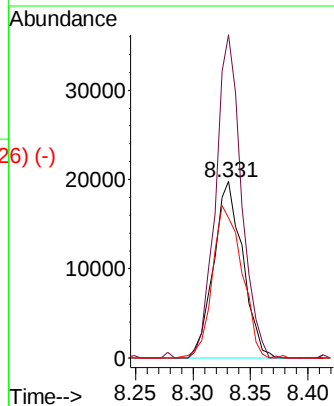
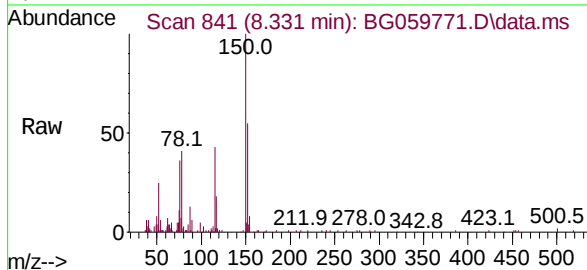
Tgt Ion:152 Resp: 34745

Ion Ratio Lower Upper

152 100

150 183.1 122.2 183.4

115 79.5 54.2 81.4



2-Fluorophenol

Concen: 90.255 ng

RT: 5.828 min Scan# 415

Delta R.T. -0.001 min

Lab File: BG059771.D

Acq: 20 Nov 2023 16:26

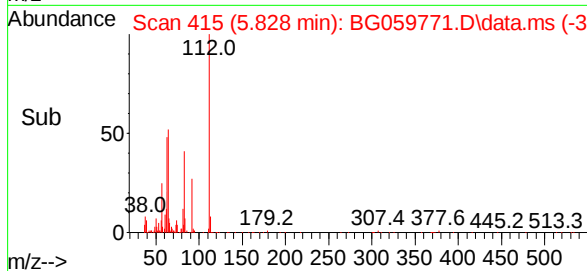
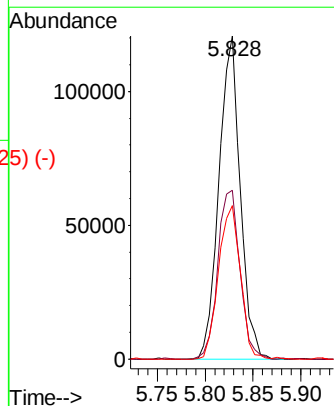
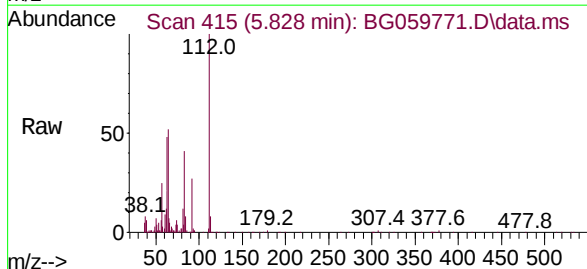
Tgt Ion:112 Resp: 186313

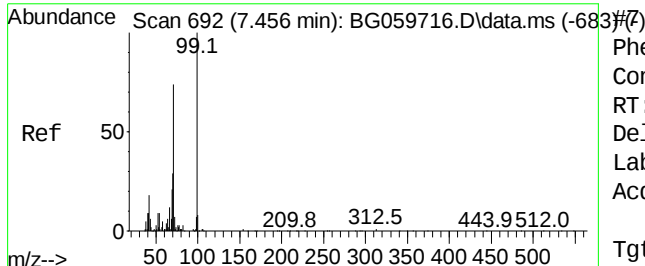
Ion Ratio Lower Upper

112 100

64 52.2 49.5 74.3

63 47.5 37.4 56.2

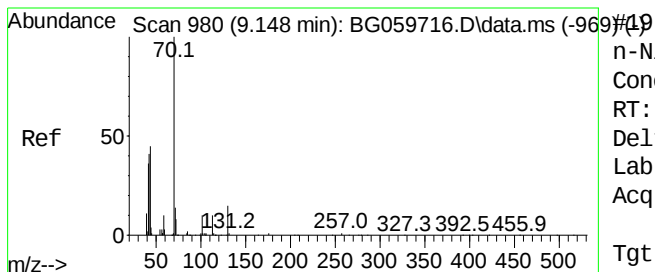
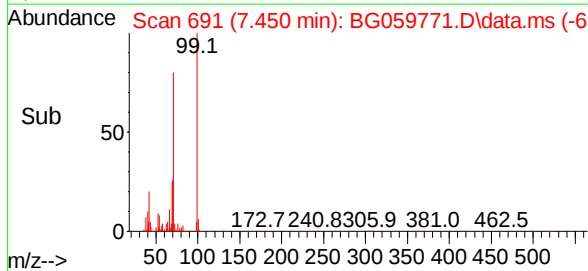
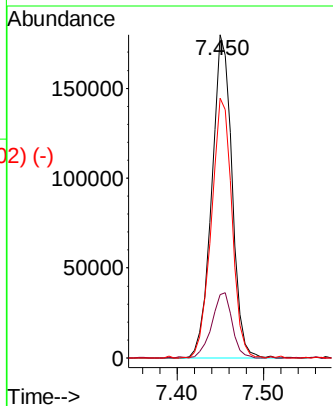
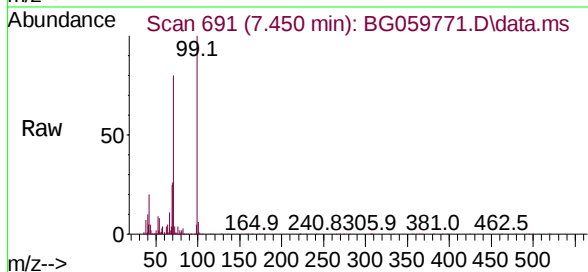




Phenol-d6
 Concen: 95.698 ng
 RT: 7.450 min Scan# 1
 Delta R.T. -0.007 min
 Lab File: BG059771.D
 Acq: 20 Nov 2023 16:26

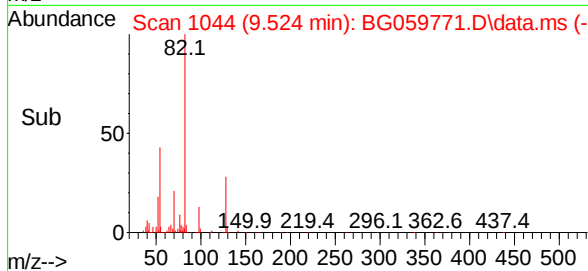
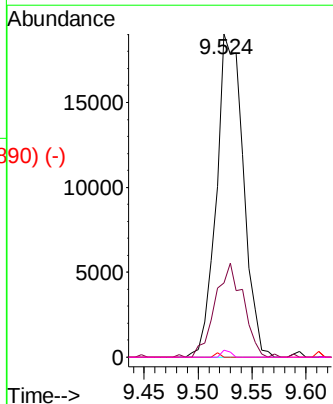
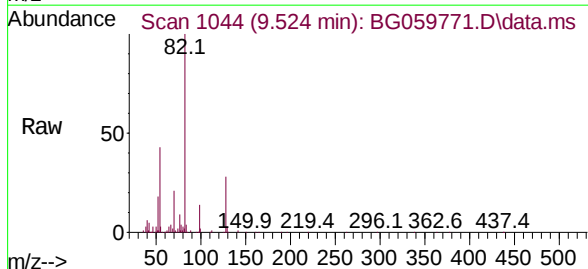
Instrument :
 BNA_G
 ClientSampleId :
 TP-4

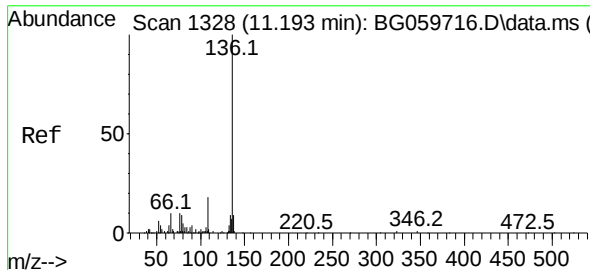
Tgt Ion:	99	Resp:	292748
Ion	Ratio	Lower	Upper
99	100		
42	19.6	14.3	21.5
71	80.5	59.3	88.9



n-Nitroso-di-n-propylamine
 Concen: 13.757 ng
 RT: 9.524 min Scan# 1044
 Delta R.T. 0.375 min
 Lab File: BG059771.D
 Acq: 20 Nov 2023 16:26

Tgt Ion:	70	Resp:	33141
Ion	Ratio	Lower	Upper
70	100		
42	22.9	32.8	49.2#
101	0.0	7.7	11.5#
130	2.1	12.3	18.5#





Naphthalene-d8

Concen: 20.000 ng

RT: 11.181 min Scan#

Delta R.T. -0.012 min

Lab File: BG059771.D

Acq: 20 Nov 2023 16:26

Instrument :

BNA_G

ClientSampleId :

TP-4

Tgt Ion:136 Resp: 110917

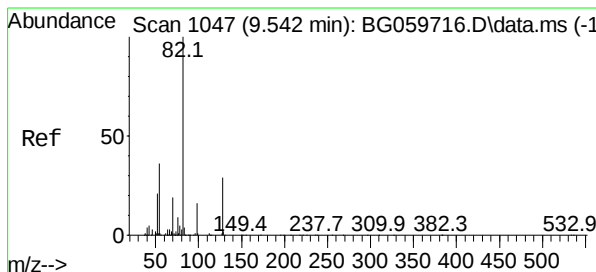
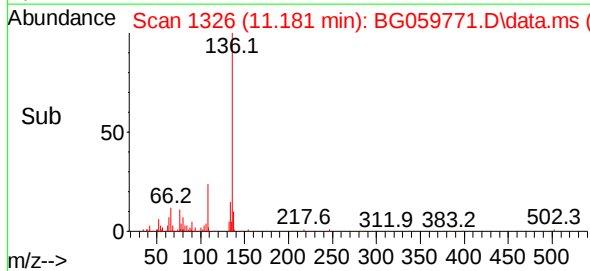
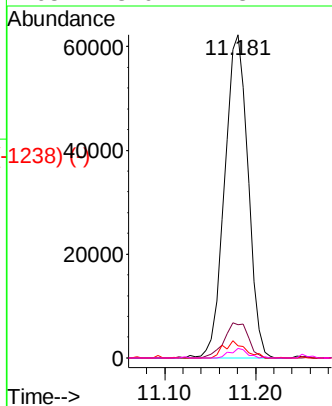
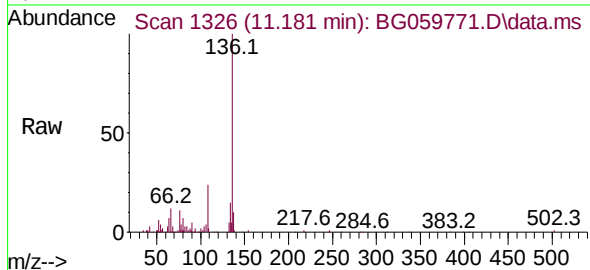
Ion Ratio Lower Upper

136 100

137 10.3 7.4 11.0

54 3.7 3.1 4.7

68 3.0 1.8 2.8#



Nitrobenzene-d5

Concen: 63.428 ng

RT: 9.530 min Scan# 1045

Delta R.T. -0.012 min

Lab File: BG059771.D

Acq: 20 Nov 2023 16:26

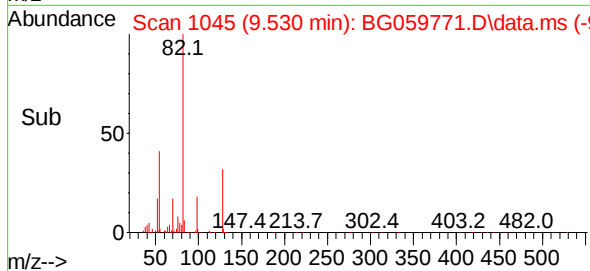
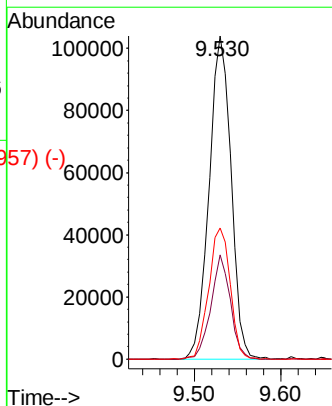
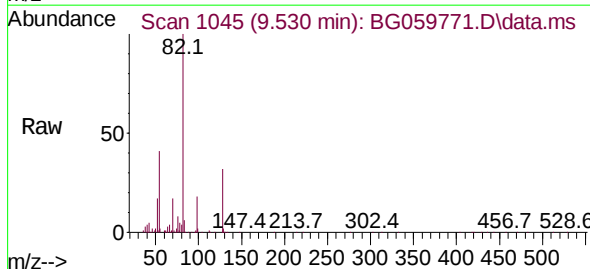
Tgt Ion: 82 Resp: 184206

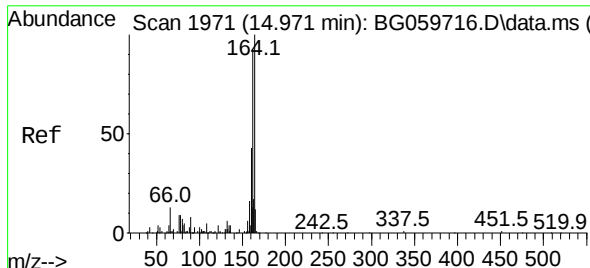
Ion Ratio Lower Upper

82 100

128 32.3 23.0 34.6

54 40.6 28.7 43.1





Acenaphthene-d10

Concen: 20.000 ng

RT: 14.964 min Scan# 1971

Delta R.T. -0.007 min

Lab File: BG059771.D

Acq: 20 Nov 2023 16:26

Instrument :

BNL_G

ClientSampleId :

TP-4

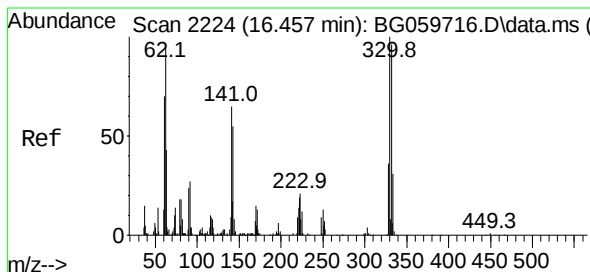
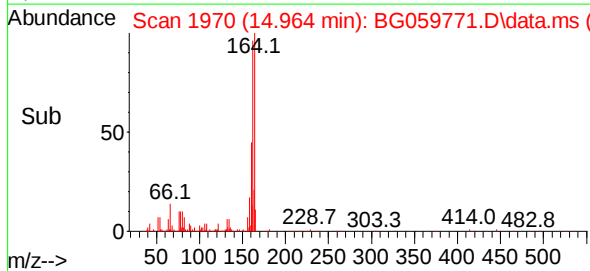
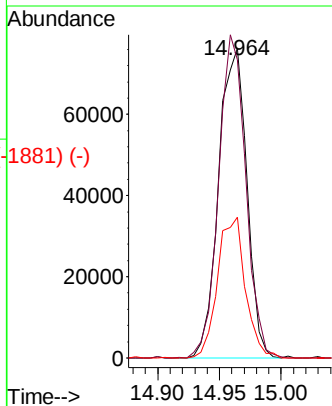
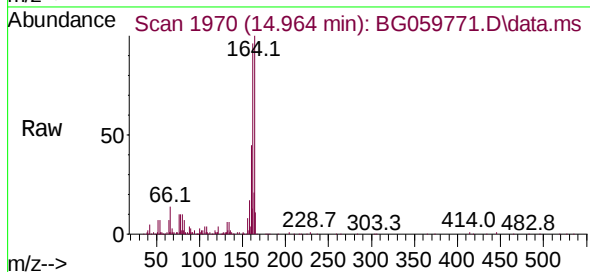
Tgt Ion:164 Resp: 122090

Ion Ratio Lower Upper

164 100

162 96.2 73.3 109.9

160 45.3 34.1 51.1



2,4,6-Tribromophenol

Concen: 98.774 ng

RT: 16.445 min Scan# 2222

Delta R.T. -0.012 min

Lab File: BG059771.D

Acq: 20 Nov 2023 16:26

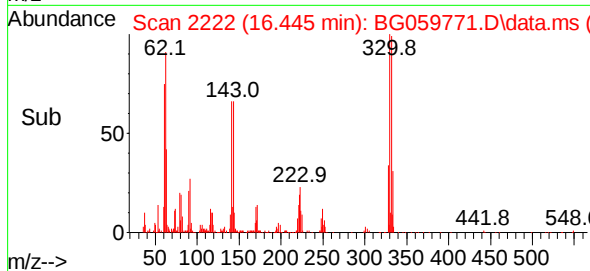
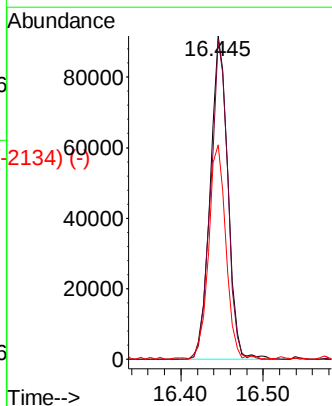
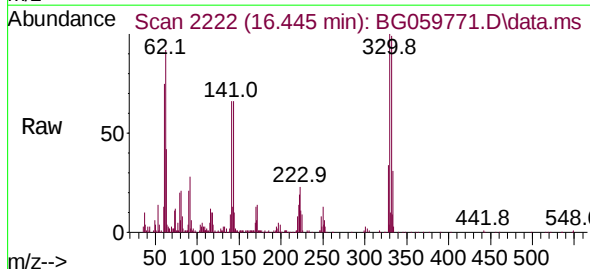
Tgt Ion:330 Resp: 136828

Ion Ratio Lower Upper

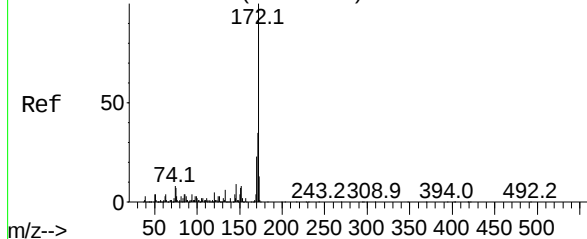
330 100

332 95.9 73.3 109.9

141 64.2 52.1 78.1



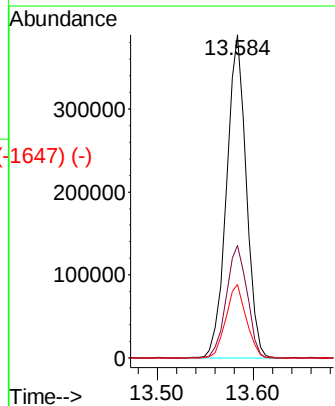
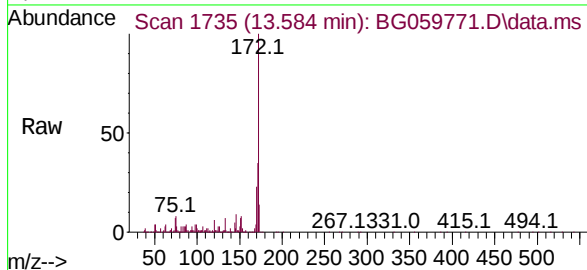
Abundance Scan 1737 (13.596 min): BG059716.D\data.ms (-1725) (-)



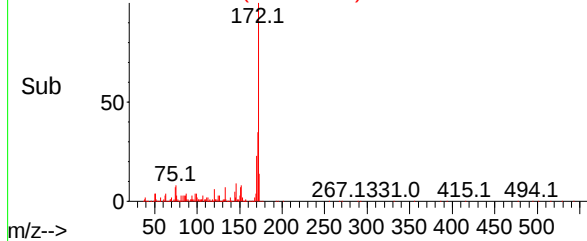
2-Fluorobiphenyl
Concen: 61.266 ng
RT: 13.584 min Scan# 1735
Delta R.T. -0.012 min
Lab File: BG059771.D
Acq: 20 Nov 2023 16:26

Instrument :
BNA_G
ClientSampleId :
TP-4

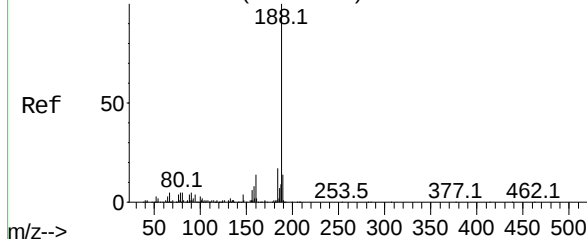
Tgt Ion:	172	Resp:	555698
Ion	Ratio	Lower	Upper
172	100		
171	34.7	27.7	41.5
170	22.7	18.4	27.6



Abundance Scan 1735 (13.584 min): BG059771.D\data.ms (-1647) (-)

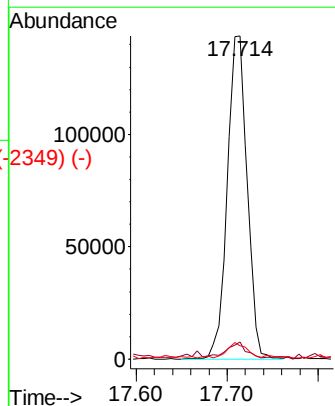
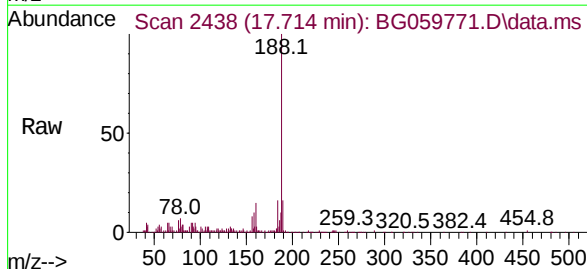


Abundance Scan 2439 (17.721 min): BG059716.D\data.ms (-2482) (-)

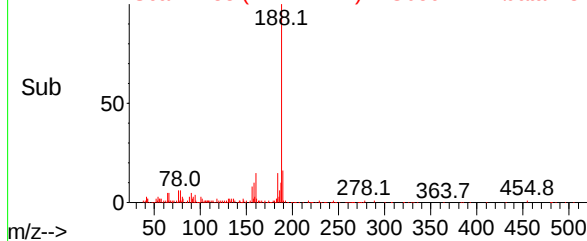


Phenanthrene-d10
Concen: 20.000 ng
RT: 17.714 min Scan# 2438
Delta R.T. -0.007 min
Lab File: BG059771.D
Acq: 20 Nov 2023 16:26

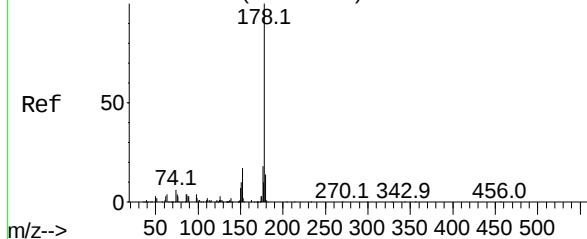
Tgt Ion:	188	Resp:	218357
Ion	Ratio	Lower	Upper
188	100		
94	5.3	3.0	4.4#
80	4.0	4.2	6.4#



Abundance Scan 2438 (17.714 min): BG059771.D\data.ms (-2349) (-)



Abundance Scan 2446 (17.762 min): BG059716.D\data.ms (-2437) (-)



Phenanthrene

Concen: 2.683 ng

RT: 17.749 min Scan# 2444

Delta R.T. -0.012 min

Lab File: BG059771.D

Acq: 20 Nov 2023 16:26

Instrument :

BNA_G

ClientSampleId :

TP-4

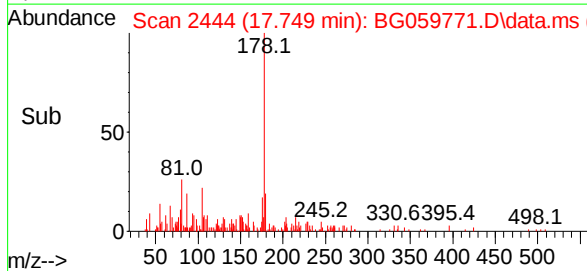
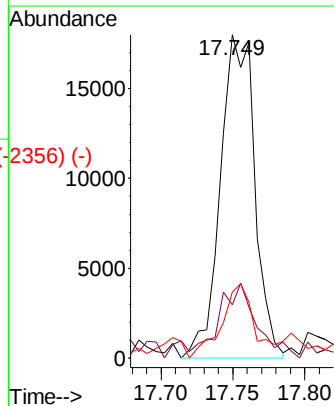
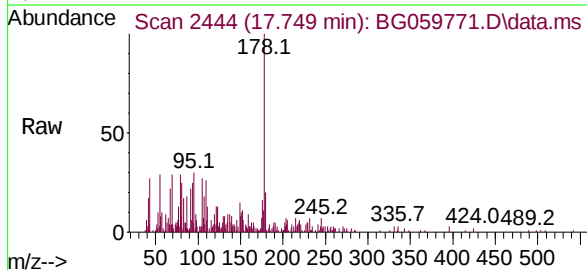
Tgt Ion:178 Resp: 29790

Ion Ratio Lower Upper

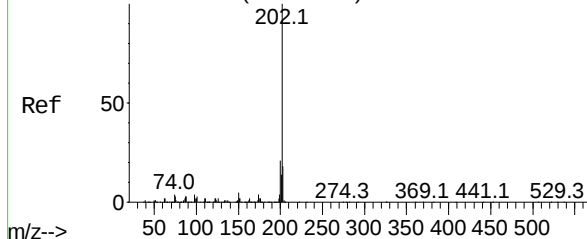
178 100

176 16.4 14.5 21.7

179 20.3 11.2 16.8#



Abundance Scan 2785 (19.754 min): BG059716.D\data.ms (-2775) (-)



Fluoranthene

Concen: 6.050 ng

RT: 19.747 min Scan# 2784

Delta R.T. -0.007 min

Lab File: BG059771.D

Acq: 20 Nov 2023 16:26

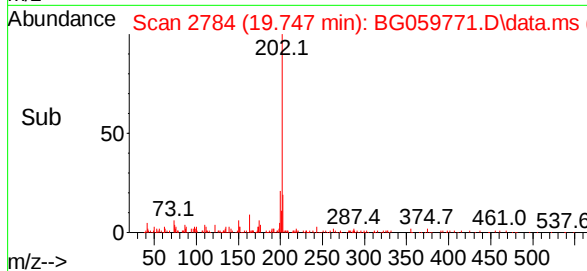
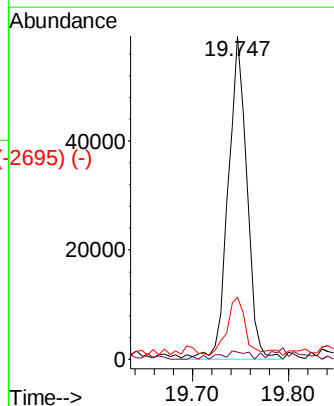
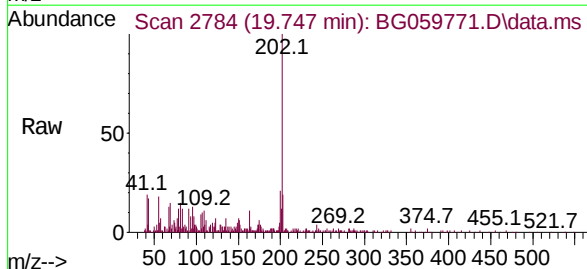
Tgt Ion:202 Resp: 80554

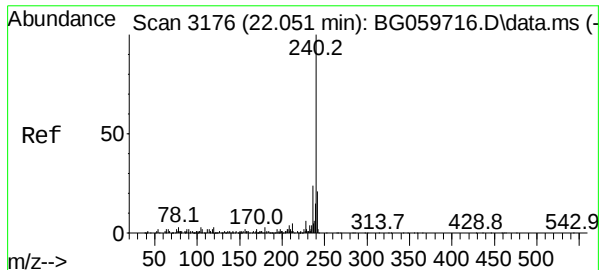
Ion Ratio Lower Upper

202 100

101 2.1 0.0 22.7

203 19.2 0.0 38.2

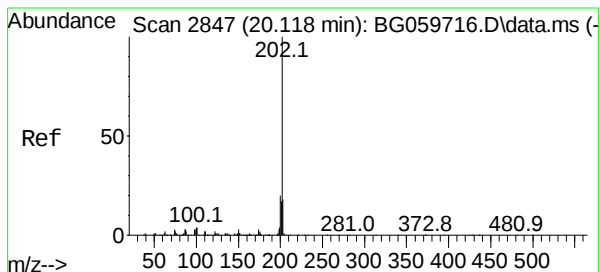
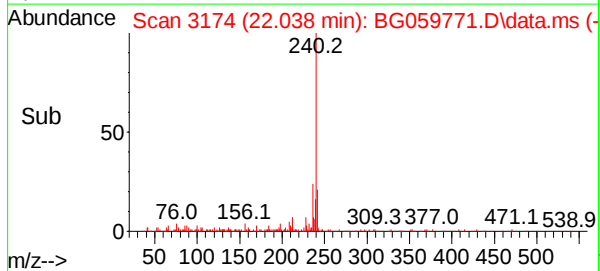
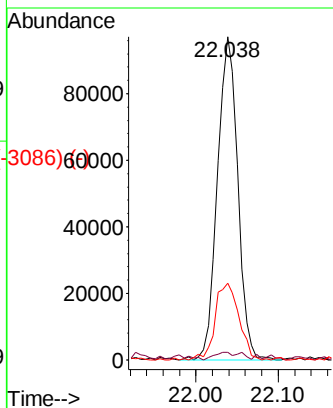
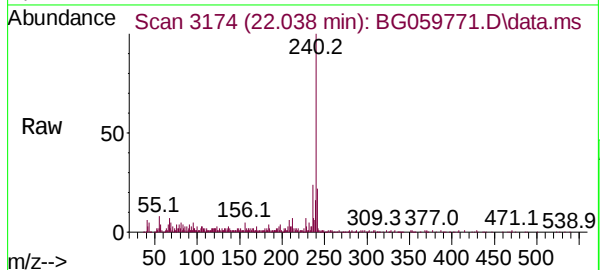




Chrysene-d12
 Concen: 20.000 ng
 RT: 22.038 min Scan# 3176
 Delta R.T. -0.012 min
 Lab File: BG059771.D
 Acq: 20 Nov 2023 16:26

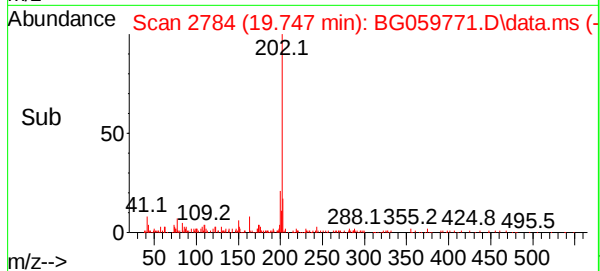
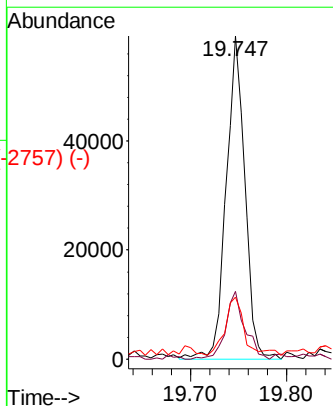
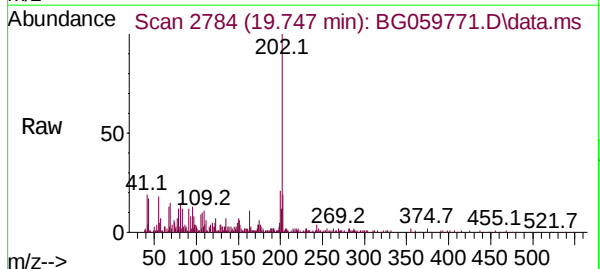
Instrument :
 BNA_G
 ClientSampleId :
 TP-4

Tgt Ion:	240	Resp:	167861
Ion	Ratio	Lower	Upper
240	100		
120	2.3	2.2	3.2
236	23.7	19.4	29.2

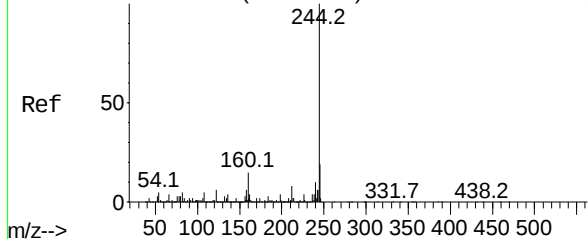


Pyrene
 Concen: 7.053 ng
 RT: 19.747 min Scan# 2784
 Delta R.T. -0.371 min
 Lab File: BG059771.D
 Acq: 20 Nov 2023 16:26

Tgt Ion:	202	Resp:	80554
Ion	Ratio	Lower	Upper
202	100		
200	21.0	16.2	24.4
203	19.2	14.0	21.0



Abundance Scan 2877 (20.294 min): BG059716.D\data.ms (-2877) (-)



Terphenyl-d14

Concen: 67.060 ng

RT: 20.288 min Scan# 2879

Delta R.T. -0.007 min

Lab File: BG059771.D

Acq: 20 Nov 2023 16:26

Instrument :

BNA_G

ClientSampleId :

TP-4

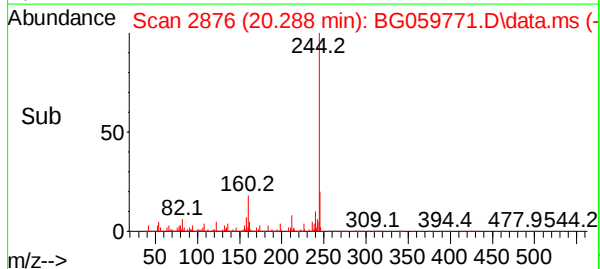
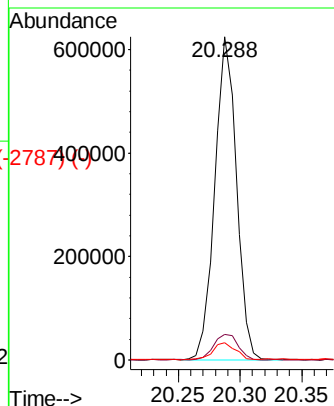
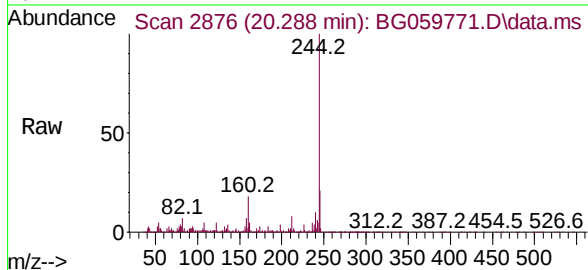
Tgt Ion:244 Resp: 762530

Ion Ratio Lower Upper

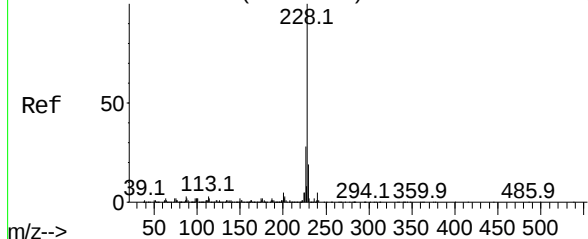
244 100

212 7.8 6.6 10.0

122 5.3 4.4 6.6



Abundance Scan 3172 (22.027 min): BG059716.D\data.ms (-3172) (-)



Benzo(a)anthracene

Concen: 3.942 ng

RT: 22.015 min Scan# 3170

Delta R.T. -0.012 min

Lab File: BG059771.D

Acq: 20 Nov 2023 16:26

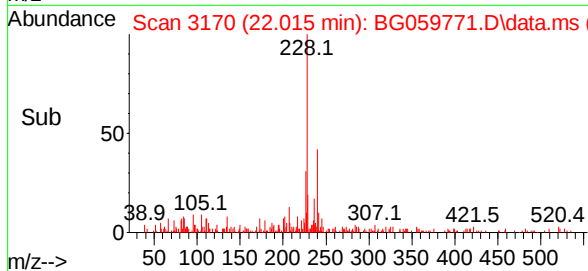
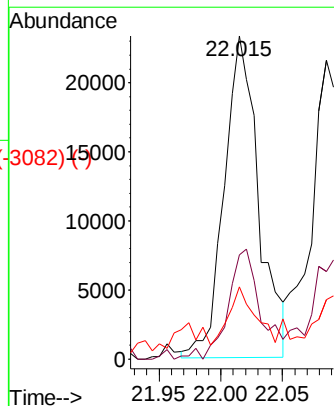
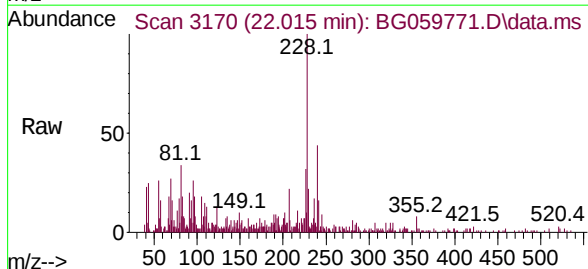
Tgt Ion:228 Resp: 45280

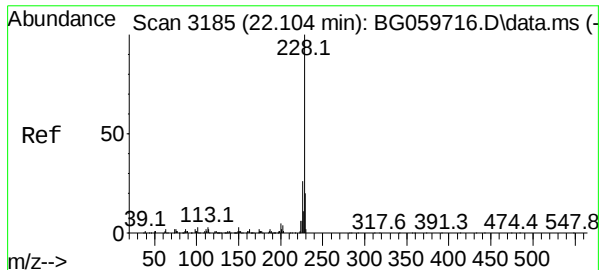
Ion Ratio Lower Upper

228 100

226 32.2 22.1 33.1

229 22.3 14.9 22.3





Chrysene

Concen: 3.926 ng

RT: 22.085 min Scan# 3182

Delta R.T. -0.018 min

Lab File: BG059771.D

Acq: 20 Nov 2023 16:26

Instrument :

BNA_G

ClientSampleId :

TP-4

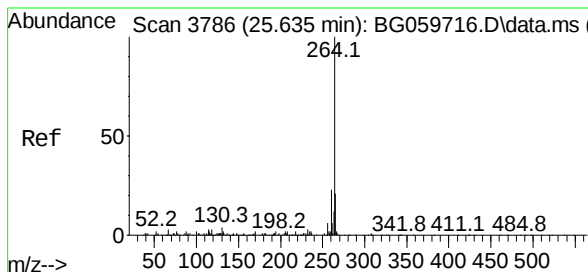
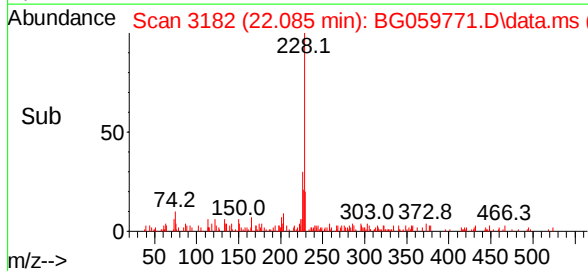
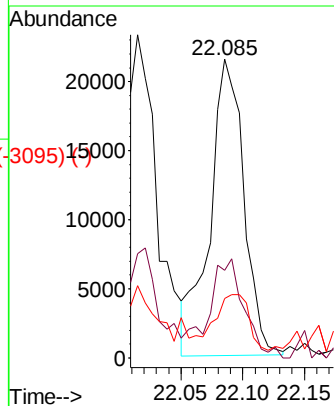
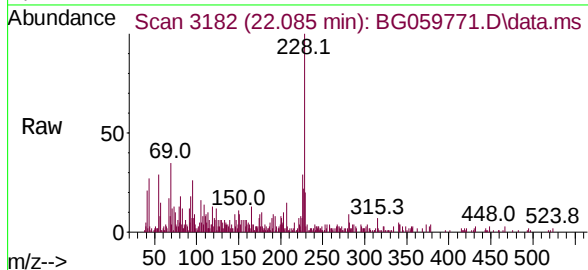
Tgt Ion:228 Resp: 41332

Ion Ratio Lower Upper

228 100

226 29.4 21.1 31.7

229 19.9 16.2 24.4



Perylene-d12

Concen: 20.000 ng

RT: 25.628 min Scan# 3785

Delta R.T. -0.007 min

Lab File: BG059771.D

Acq: 20 Nov 2023 16:26

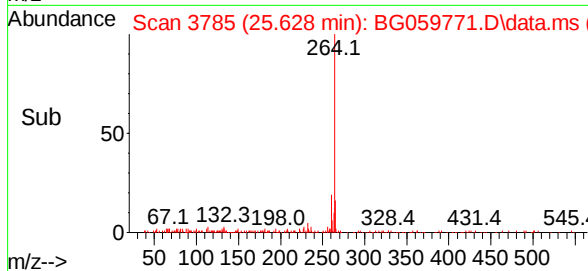
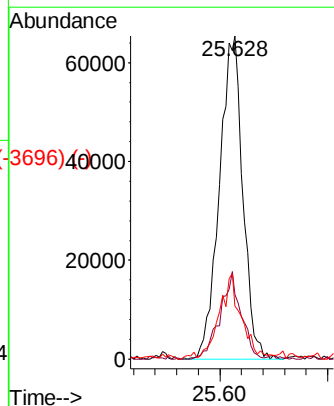
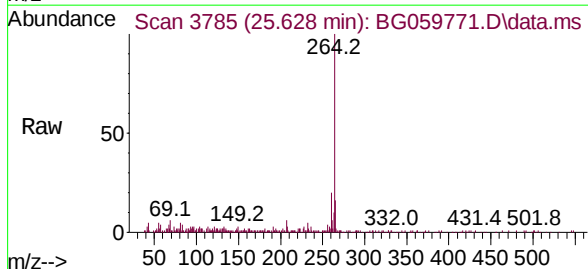
Tgt Ion:264 Resp: 199177

Ion Ratio Lower Upper

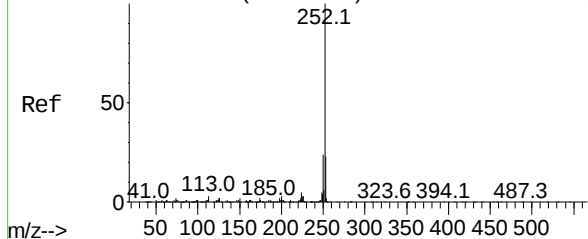
264 100

260 20.0 18.5 27.7

265 16.4 17.0 25.6#



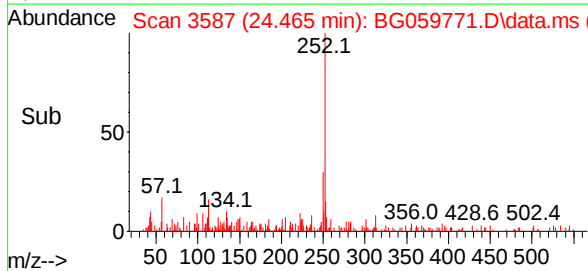
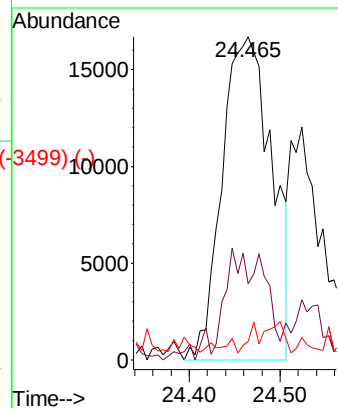
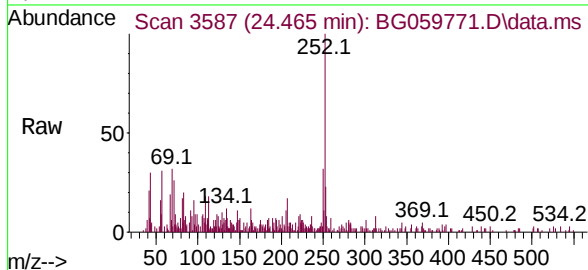
Abundance Scan 3589 (24.477 min): BG059716.D\data.ms (-3589) (-)



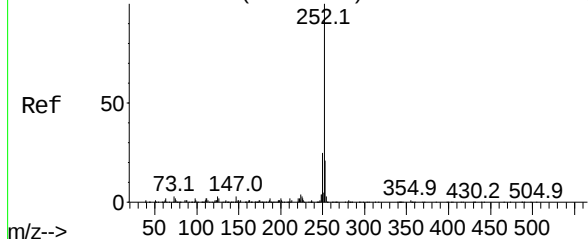
Benzo(b)fluoranthene
Concen: 5.817 ng
RT: 24.465 min Scan# 3589
Delta R.T. -0.012 min
Lab File: BG059771.D
Acq: 20 Nov 2023 16:26

Instrument :
BNA_G
ClientSampleId :
TP-4

Tgt Ion:	252	Resp:	63501
Ion Ratio	Lower	Upper	
252	100		
253	23.5	18.3	27.5
125	5.7	1.4	2.0#

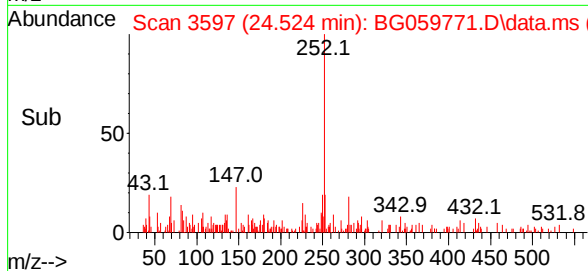
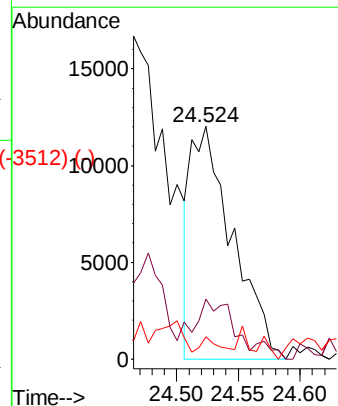
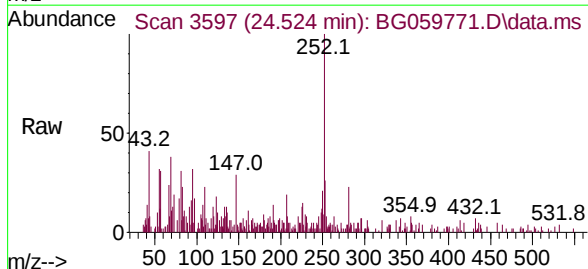


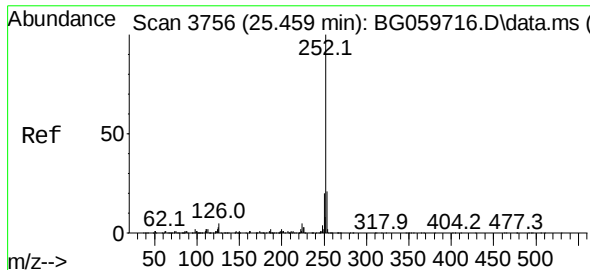
Abundance Scan 3602 (24.554 min): BG059716.D\data.ms (-3596) (-)



Benzo(k)fluoranthene
Concen: 2.619 ng
RT: 24.524 min Scan# 3597
Delta R.T. -0.030 min
Lab File: BG059771.D
Acq: 20 Nov 2023 16:26

Tgt Ion:	252	Resp:	28268
Ion Ratio	Lower	Upper	
252	100		
253	25.9	17.1	25.7#
125	9.6	2.2	3.2#





Benzo(a)pyrene

Concen: 4.119 ng

RT: 25.440 min Scan#

Delta R.T. -0.018 min

Lab File: BG059771.D

Acq: 20 Nov 2023 16:26

Instrument :

BNL_G

ClientSampleId :

TP-4

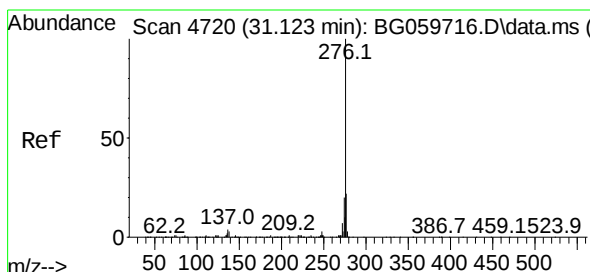
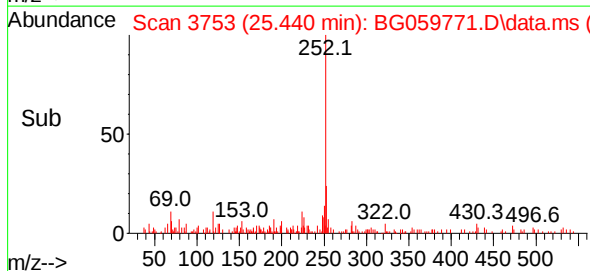
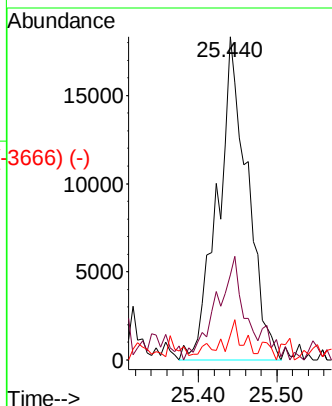
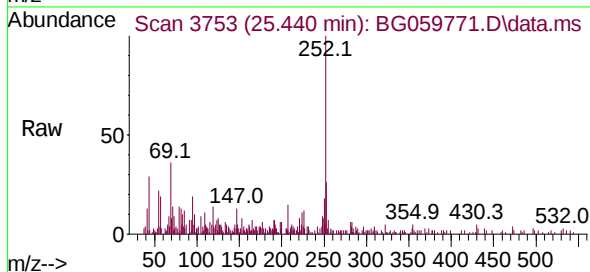
Tgt Ion:252 Resp: 47994

Ion Ratio Lower Upper

252 100

253 26.3 16.8 25.2#

125 7.6 2.0 3.0#



Benzo(g,h,i)perylene

Concen: 3.542 ng

RT: 31.081 min Scan# 4713

Delta R.T. -0.042 min

Lab File: BG059771.D

Acq: 20 Nov 2023 16:26

Tgt Ion:276 Resp: 42852

Ion Ratio Lower Upper

276 100

277 18.7 17.3 25.9

138 4.7 2.6 4.0#

