

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082323\
 Data File : BG058829.D
 Acq On : 23 Aug 2023 19:42
 Operator : MA/JU
 Sample : 04110-07
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TP-07(1-3)

Quant Time: Aug 24 02:46:39 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Aug 21 01:40:57 2023
 Response via : Initial Calibration

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

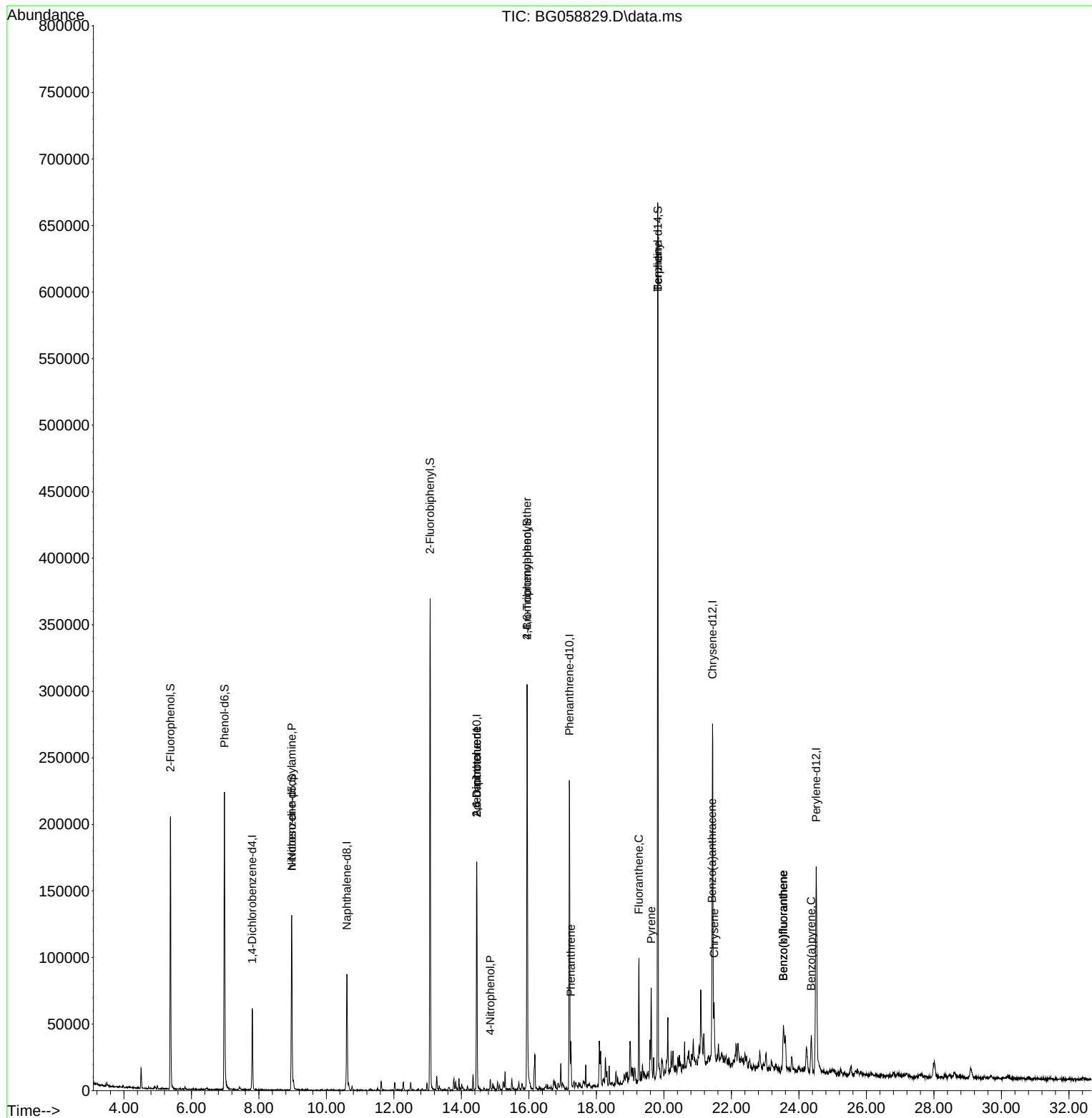
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.803	152	16849	20.000	ng	0.00
21) Naphthalene-d8	10.605	136	78602	20.000	ng	0.00
39) Acenaphthene-d10	14.454	164	64355	20.000	ng	0.00
64) Phenanthrene-d10	17.197	188	155301	20.000	ng	0.00
76) Chrysene-d12	21.439	240	133986	20.000	ng	0.00
86) Perylene-d12	24.512	264	166968	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.382	112	84721	80.918	ng	0.00
7) Phenol-d6	6.980	99	129559	88.198	ng	0.00
23) Nitrobenzene-d5	8.972	82	84538	51.708	ng	0.00
42) 2,4,6-Tribromophenol	15.946	330	70716	70.080	ng	0.00
45) 2-Fluorobiphenyl	13.073	172	204442	46.205	ng	0.00
79) Terphenyl-d14	19.818	244	329669	44.180	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	8.972	70	10919	11.499	ng	# 74
51) 2,6-Dinitrotoluene	14.454	165	7697	7.353	ng	# 22
56) 4-Nitrophenol	14.859	139	1174	5.976	ng	# 1
57) 2,4-Dinitrotoluene	14.454	165	7697	5.272	ng	# 19
67) 4-Bromophenyl-phenylether	15.946	248	4368	2.563	ng	# 1
71) Phenanthrene	17.244	178	22253	2.985	ng	96
75) Fluoranthene	19.260	202	52103	5.635	ng	97
77) Benzidine	19.818	184	4954	2.063	ng	# 92
78) Pyrene	19.624	202	45048	4.825	ng	98
81) Benzo(a)anthracene	21.422	228	32372	3.471	ng	# 92
83) Chrysene	21.487	228	31069	3.456	ng	# 89
88) Benzo(b)fluoranthene	23.537	252	44125	4.763	ng	# 97
89) Benzo(k)fluoranthene	23.537	252	44125	4.618	ng	96
90) Benzo(a)pyrene	24.366	252	29545	3.239	ng	98

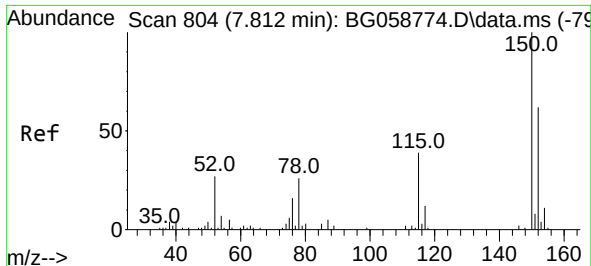
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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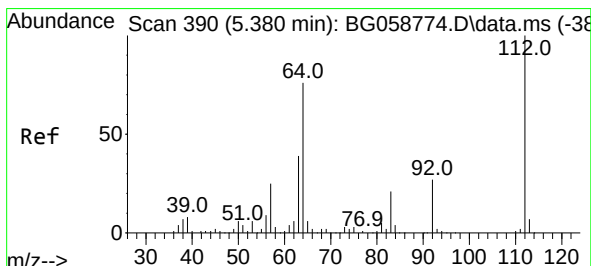
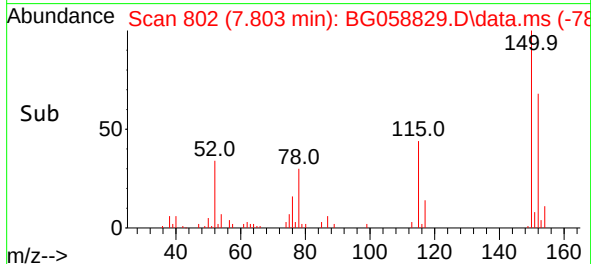
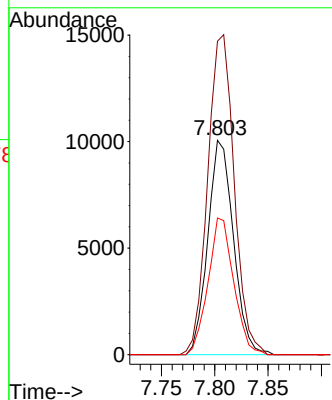
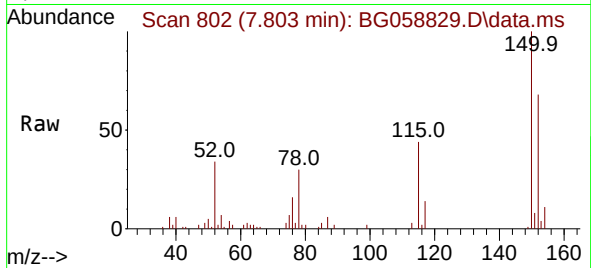




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.803 min Scan# 804
Delta R.T. -0.009 min
Lab File: BG058829.D
Acq: 23 Aug 2023 19:42

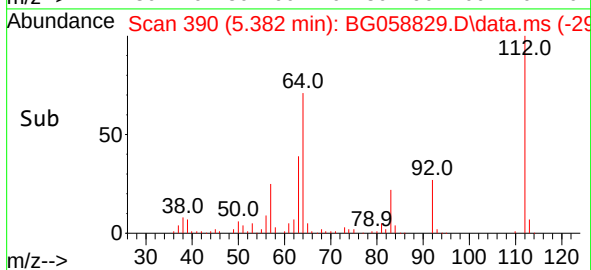
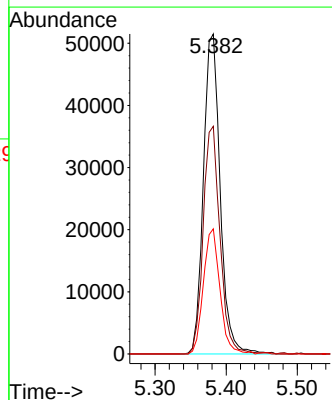
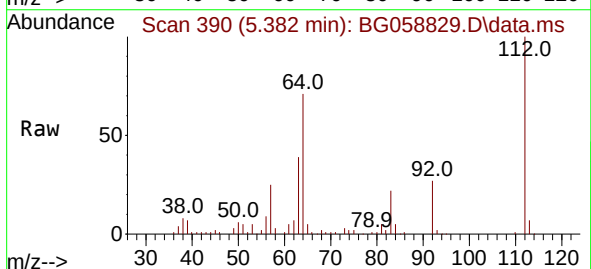
Instrument :
BNA_G
ClientSampleId :
TP-07(1-3)

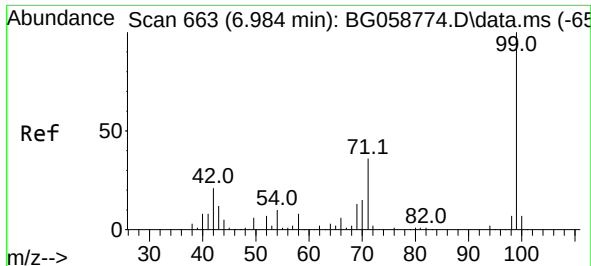
Tgt Ion:152 Resp: 16849
Ion Ratio Lower Upper
152 100
150 146.2 128.6 192.8
115 63.8 50.4 75.6



#5
2-Fluorophenol
Concen: 80.918 ng
RT: 5.382 min Scan# 390
Delta R.T. 0.002 min
Lab File: BG058829.D
Acq: 23 Aug 2023 19:42

Tgt Ion:112 Resp: 84721
Ion Ratio Lower Upper
112 100
64 71.2 60.6 90.8
63 39.1 31.0 46.4

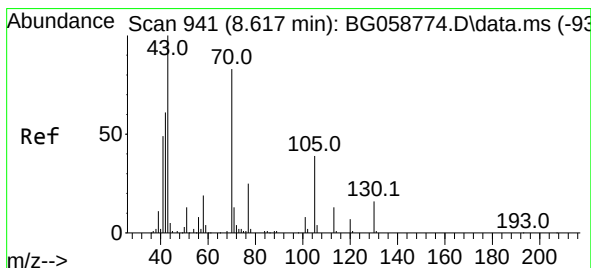
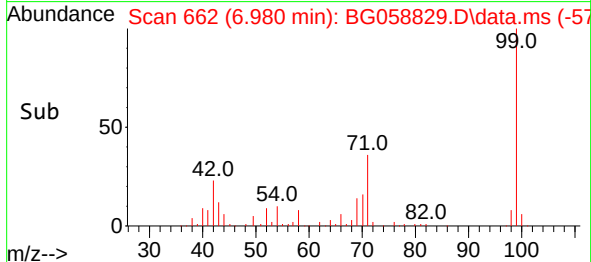
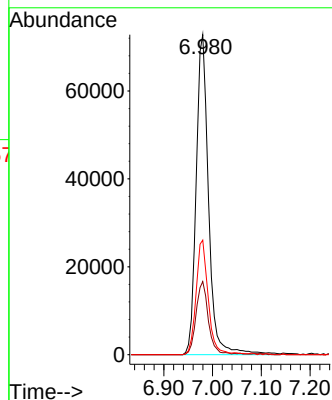
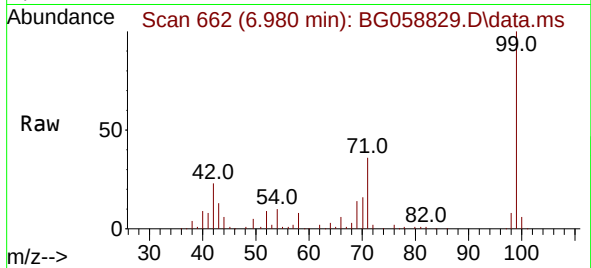




#7
Phenol-d6
Concen: 88.198 ng
RT: 6.980 min Scan# 60
Delta R.T. -0.004 min
Lab File: BG058829.D
Acq: 23 Aug 2023 19:42

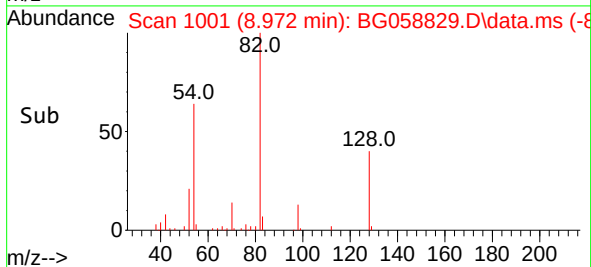
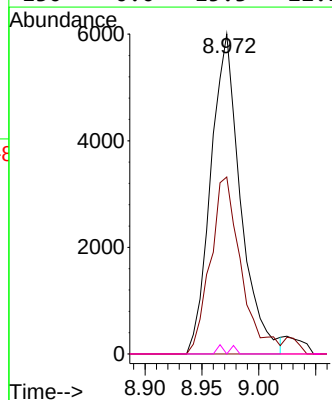
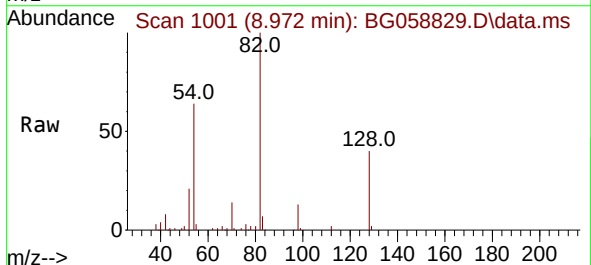
Instrument :
BNA_G
ClientSampleId :
TP-07(1-3)

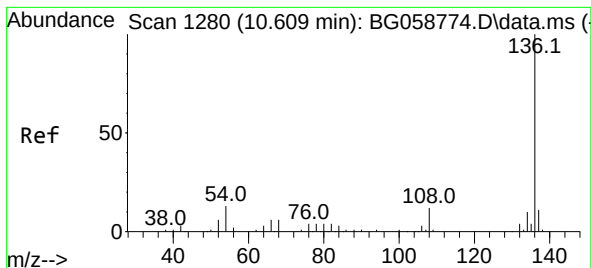
Tgt Ion: 99 Resp: 129559
Ion Ratio Lower Upper
99 100
42 22.9 16.5 24.7
71 35.8 28.4 42.6



#19
n-Nitroso-di-n-propylamine
Concen: 11.499 ng
RT: 8.972 min Scan# 1001
Delta R.T. 0.354 min
Lab File: BG058829.D
Acq: 23 Aug 2023 19:42

Tgt Ion: 70 Resp: 10919
Ion Ratio Lower Upper
70 100
42 55.3 59.2 88.8#
101 0.0 8.2 12.2#
130 0.0 15.3 22.9#





#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.605 min Scan# 11

Delta R.T. -0.004 min

Lab File: BG058829.D

Acq: 23 Aug 2023 19:42

Instrument :

BNA_G

ClientSampleId :

TP-07(1-3)

Tgt Ion:136 Resp: 78602

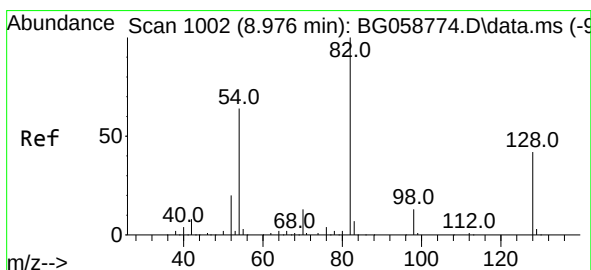
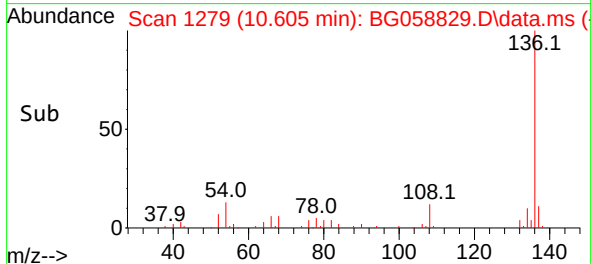
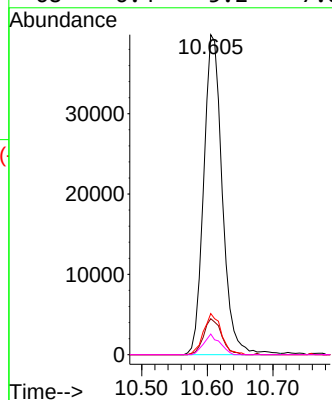
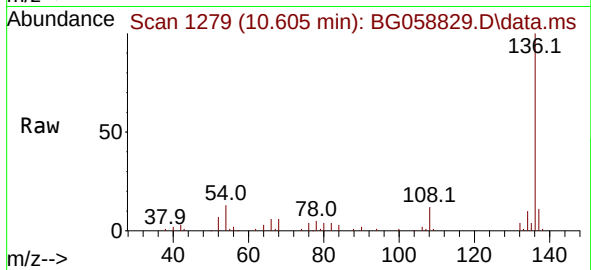
Ion Ratio Lower Upper

136 100

137 11.2 8.7 13.1

54 12.8 10.1 15.1

68 6.4 5.2 7.8



#23

Nitrobenzene-d5

Concen: 51.708 ng

RT: 8.972 min Scan# 1001

Delta R.T. -0.004 min

Lab File: BG058829.D

Acq: 23 Aug 2023 19:42

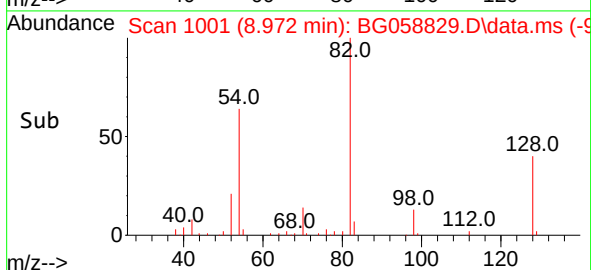
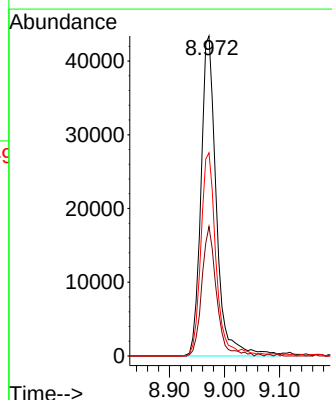
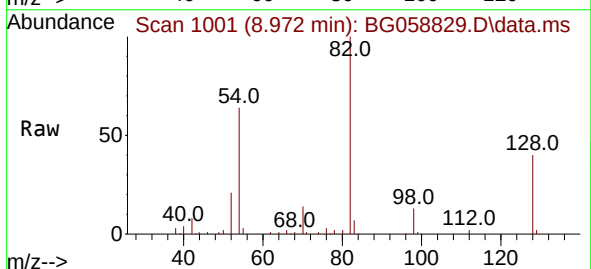
Tgt Ion: 82 Resp: 84538

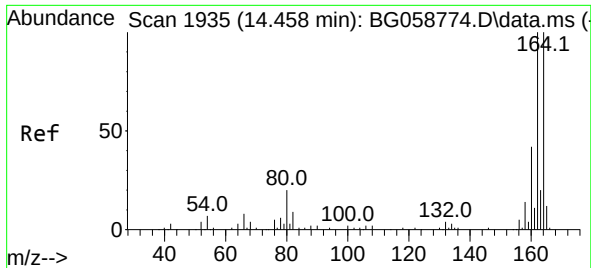
Ion Ratio Lower Upper

82 100

128 40.5 33.2 49.8

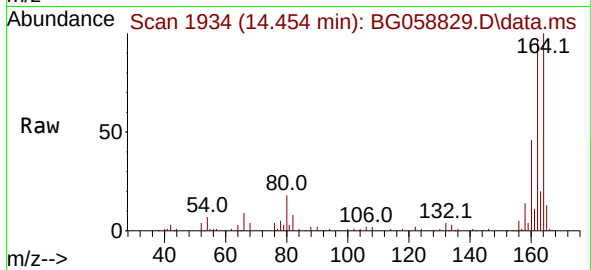
54 63.5 51.2 76.8



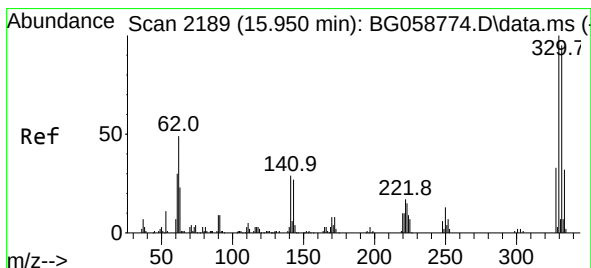
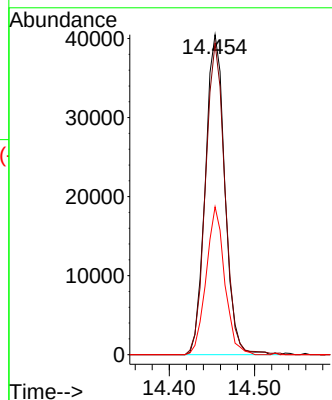
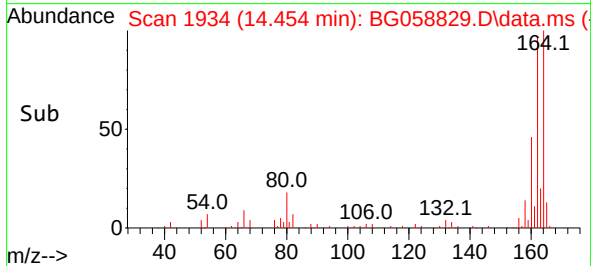


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.454 min Scan# 1934
Delta R.T. -0.004 min
Lab File: BG058829.D
Acq: 23 Aug 2023 19:42

Instrument :
BNA_G
ClientSampleId :
TP-07(1-3)

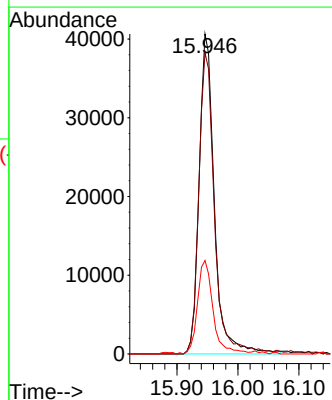
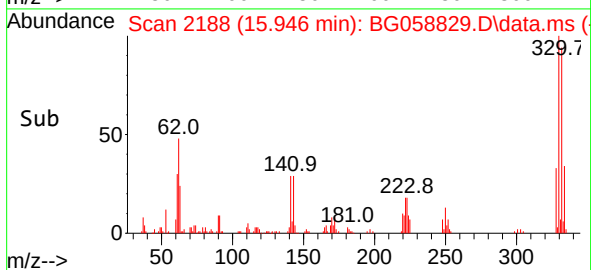
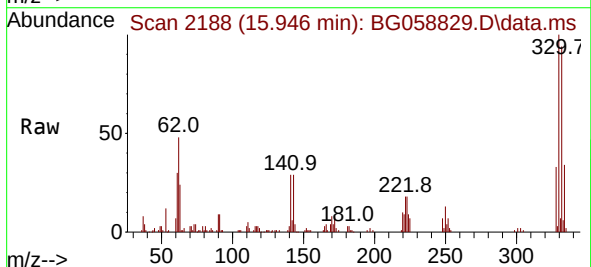


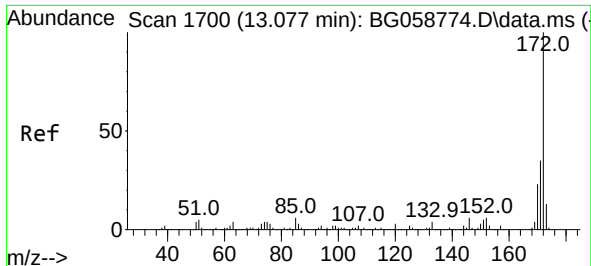
Tgt Ion:164 Resp: 64355
Ion Ratio Lower Upper
164 100
162 97.4 79.6 119.4
160 46.2 34.0 51.0



#42
2,4,6-Tribromophenol
Concen: 70.080 ng
RT: 15.946 min Scan# 2188
Delta R.T. -0.004 min
Lab File: BG058829.D
Acq: 23 Aug 2023 19:42

Tgt Ion:330 Resp: 70716
Ion Ratio Lower Upper
330 100
332 96.4 78.5 117.7
141 29.8 23.0 34.6

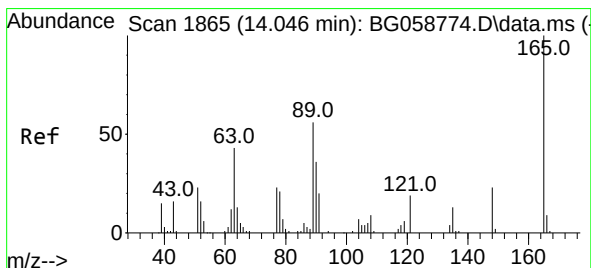
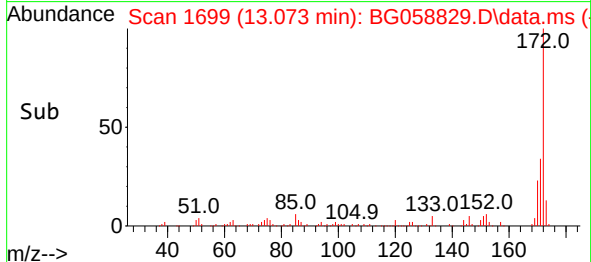
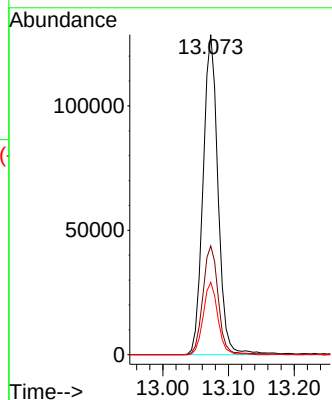
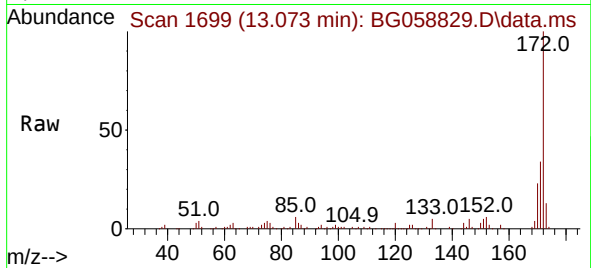




#45
2-Fluorobiphenyl
Concen: 46.205 ng
RT: 13.073 min Scan# 1
Delta R.T. -0.004 min
Lab File: BG058829.D
Acq: 23 Aug 2023 19:42

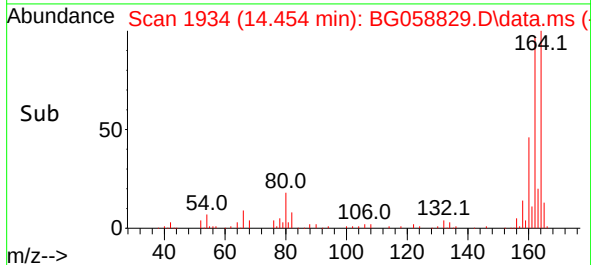
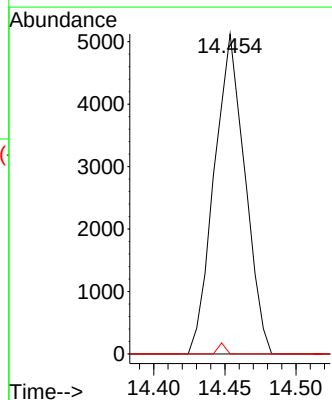
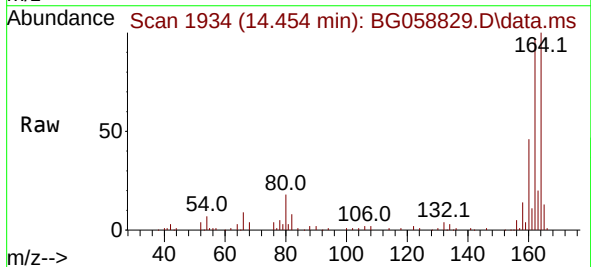
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ClientSampleId :
TP-07(1-3)

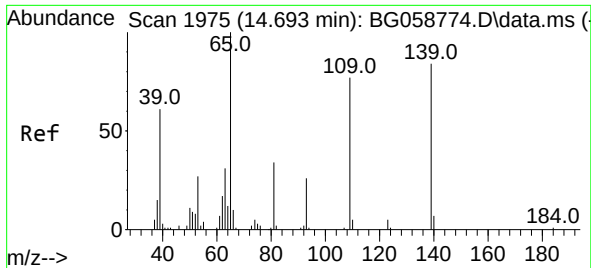
Tgt Ion:172 Resp: 204442
Ion Ratio Lower Upper
172 100
171 34.0 28.1 42.1
170 22.6 18.6 27.8



#51
2,6-Dinitrotoluene
Concen: 7.353 ng
RT: 14.454 min Scan# 1934
Delta R.T. 0.407 min
Lab File: BG058829.D
Acq: 23 Aug 2023 19:42

Tgt Ion:165 Resp: 7697
Ion Ratio Lower Upper
165 100
63 0.0 47.2 70.8#
89 0.0 45.0 67.4#

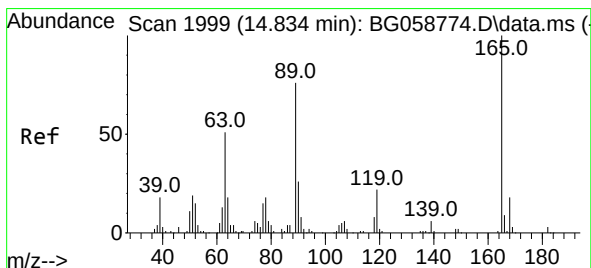
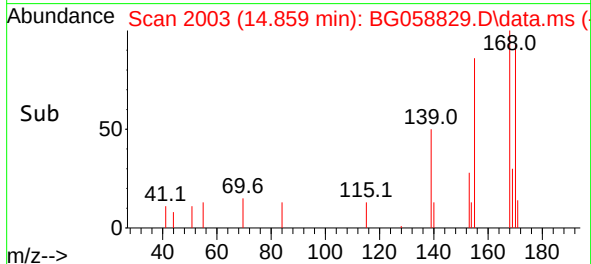
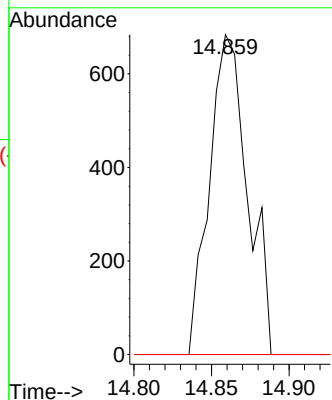
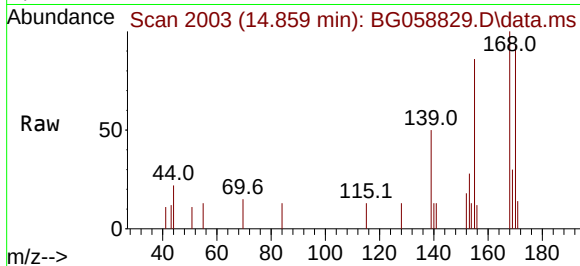




#56
4-Nitrophenol
Concen: 5.976 ng
RT: 14.859 min Scan# 20
Delta R.T. 0.166 min
Lab File: BG058829.D
Acq: 23 Aug 2023 19:42

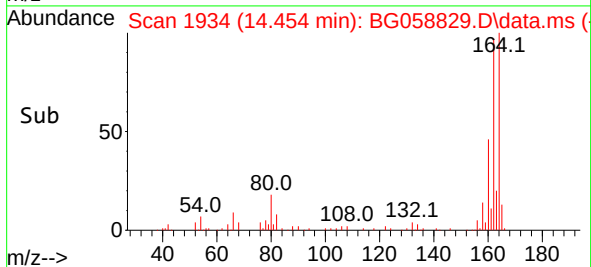
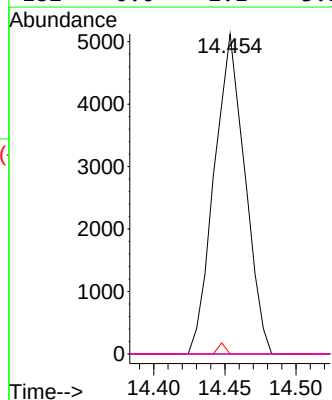
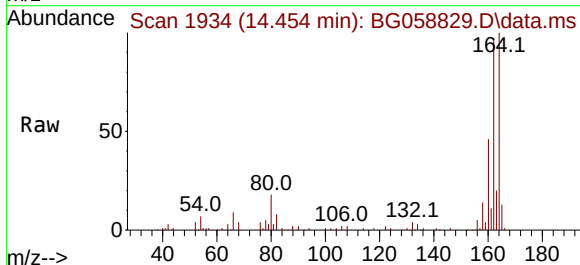
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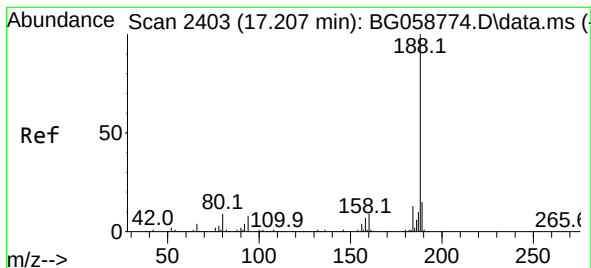
Tgt Ion:139 Resp: 1174
Ion Ratio Lower Upper
139 100
109 0.0 71.9 111.9#
65 0.0 100.7 140.7#



#57
2,4-Dinitrotoluene
Concen: 5.272 ng
RT: 14.454 min Scan# 1934
Delta R.T. -0.380 min
Lab File: BG058829.D
Acq: 23 Aug 2023 19:42

Tgt Ion:165 Resp: 7697
Ion Ratio Lower Upper
165 100
63 0.0 41.8 62.6#
89 0.0 60.7 91.1#
182 0.0 2.1 3.1#





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.197 min Scan# 2403

Delta R.T. -0.010 min

Lab File: BG058829.D

Acq: 23 Aug 2023 19:42

Instrument :

BNA_G

ClientSampleId :

TP-07(1-3)

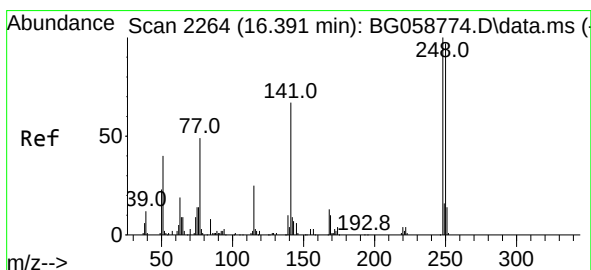
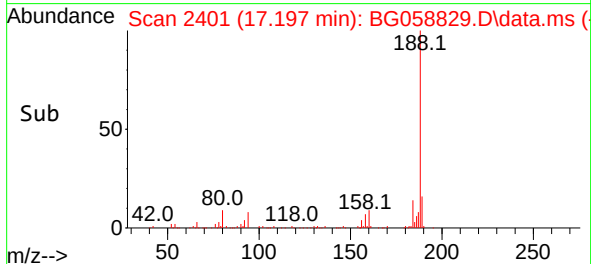
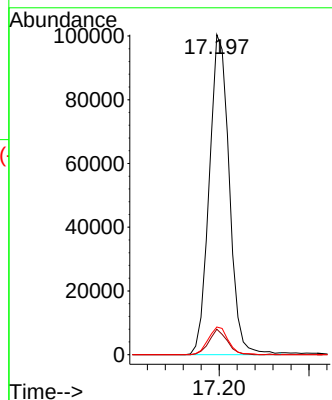
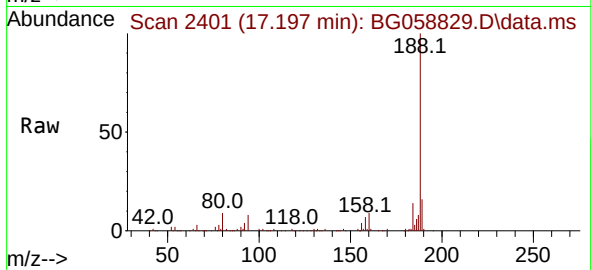
Tgt Ion:188 Resp: 155301

Ion Ratio Lower Upper

188 100

94 7.9 6.1 9.1

80 8.6 6.9 10.3



#67

4-Bromophenyl-phenylether

Concen: 2.563 ng

RT: 15.946 min Scan# 2188

Delta R.T. -0.445 min

Lab File: BG058829.D

Acq: 23 Aug 2023 19:42

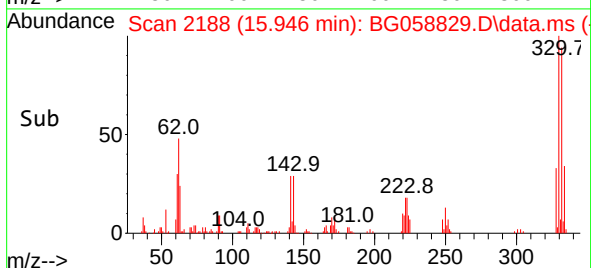
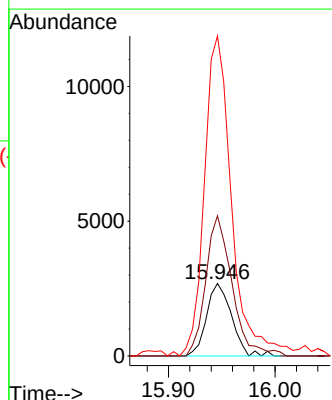
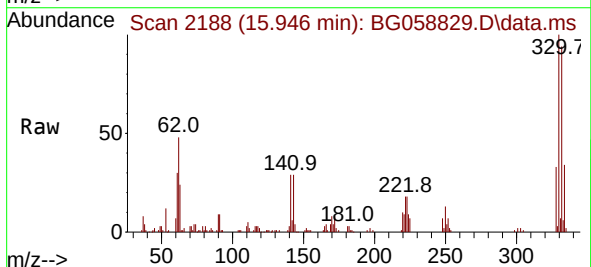
Tgt Ion:248 Resp: 4368

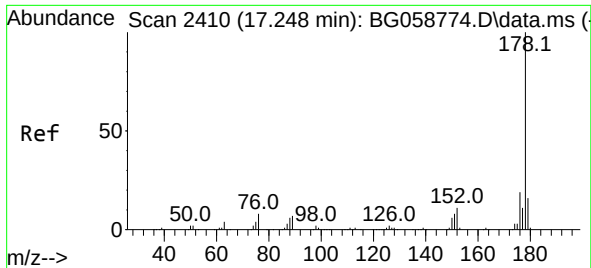
Ion Ratio Lower Upper

248 100

250 193.4 77.7 116.5#

141 441.4 53.6 80.4#

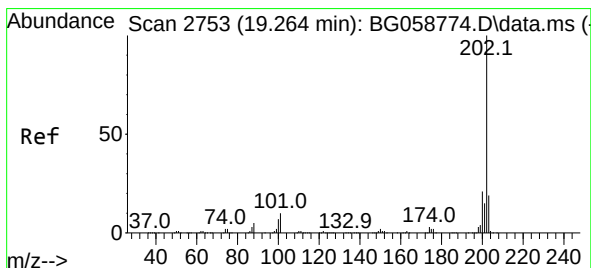
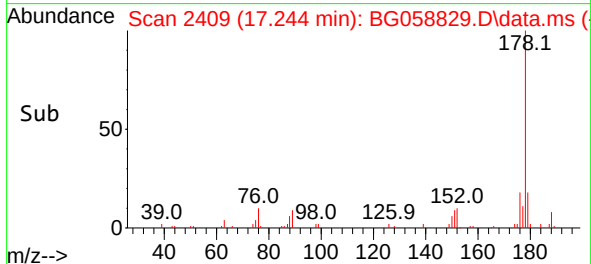
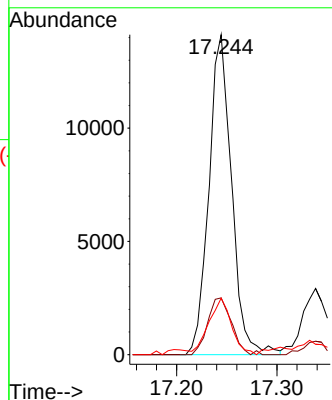
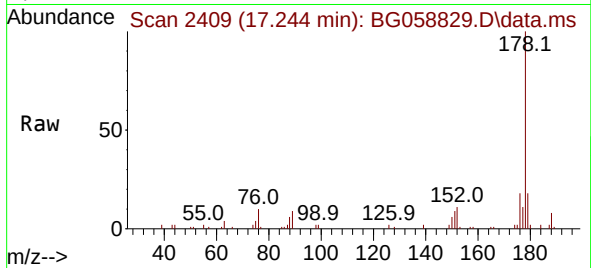




#71
Phenanthrene
Concen: 2.985 ng
RT: 17.244 min Scan# 2410
Delta R.T. -0.004 min
Lab File: BG058829.D
Acq: 23 Aug 2023 19:42

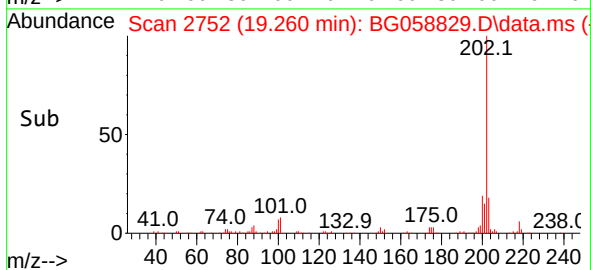
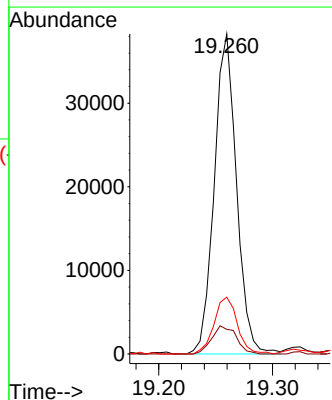
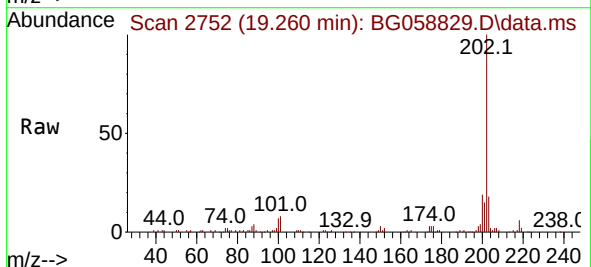
Instrument :
BNA_G
ClientSampleId :
TP-07(1-3)

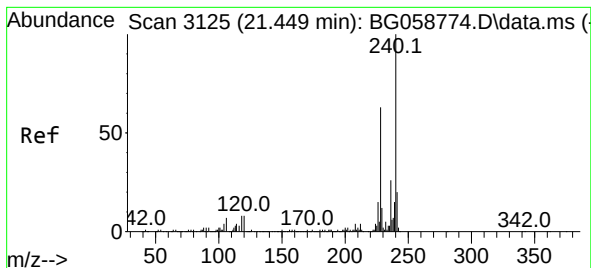
Tgt Ion:178 Resp: 22253
Ion Ratio Lower Upper
178 100
176 17.8 15.5 23.3
179 17.7 13.0 19.4



#75
Fluoranthene
Concen: 5.635 ng
RT: 19.260 min Scan# 2752
Delta R.T. -0.004 min
Lab File: BG058829.D
Acq: 23 Aug 2023 19:42

Tgt Ion:202 Resp: 52103
Ion Ratio Lower Upper
202 100
101 7.7 0.0 29.7
203 17.7 0.0 38.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.439 min Scan# 31

Delta R.T. -0.010 min

Lab File: BG058829.D

Acq: 23 Aug 2023 19:42

Instrument :

BNA_G

ClientSampleId :

TP-07(1-3)

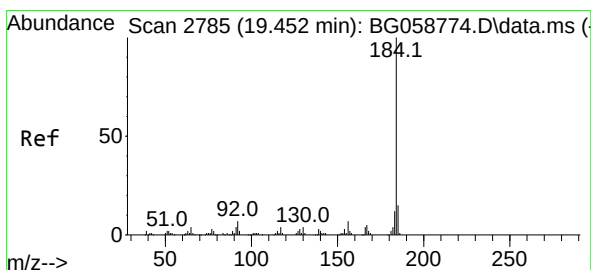
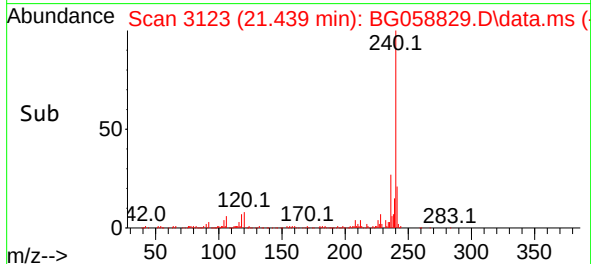
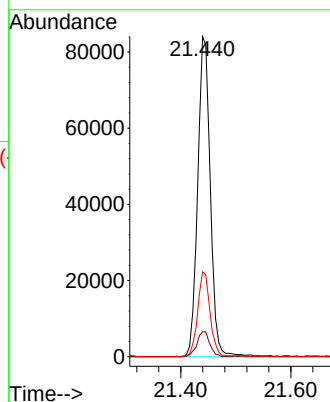
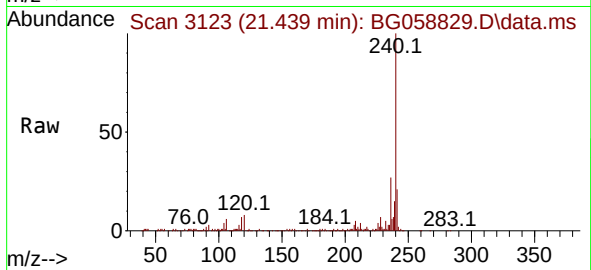
Tgt Ion:240 Resp: 133986

Ion Ratio Lower Upper

240 100

120 7.8 6.2 9.2

236 26.5 20.5 30.7



#77

Benzdine

Concen: 2.063 ng

RT: 19.818 min Scan# 2847

Delta R.T. 0.366 min

Lab File: BG058829.D

Acq: 23 Aug 2023 19:42

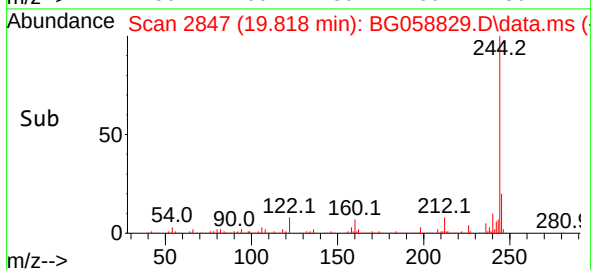
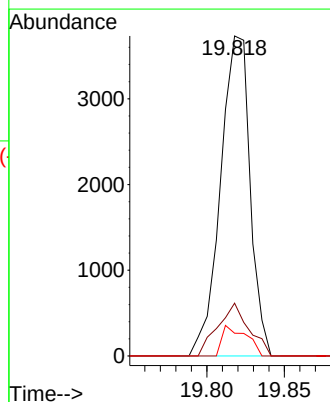
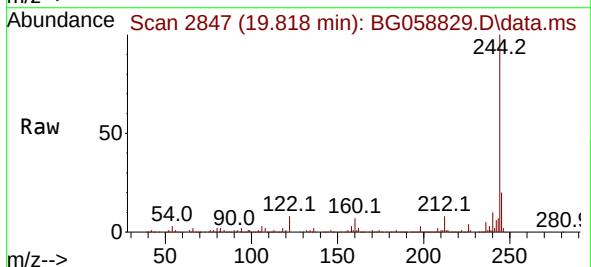
Tgt Ion:184 Resp: 4954

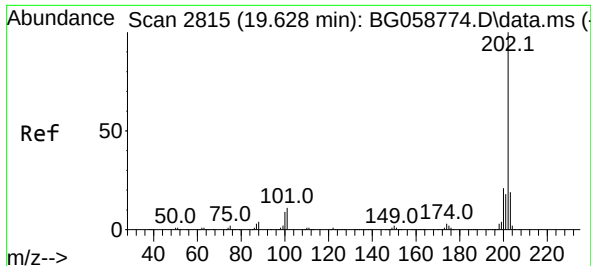
Ion Ratio Lower Upper

184 100

185 16.5 11.9 17.9

183 7.1 10.0 15.0#

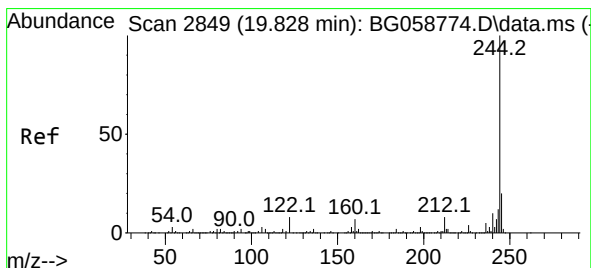
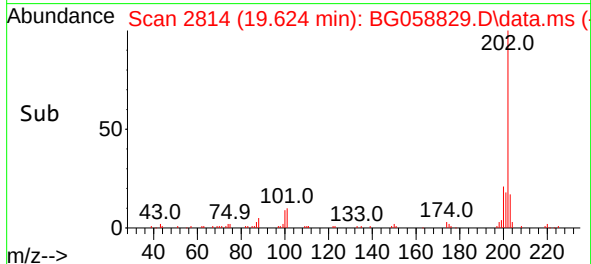
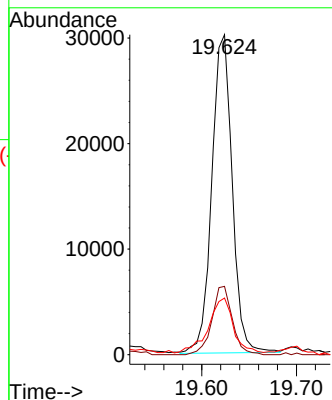
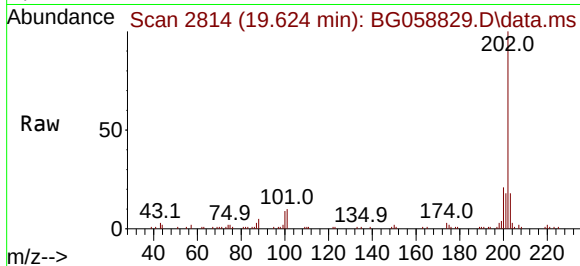




#78
 Pyrene
 Concen: 4.825 ng
 RT: 19.624 min Scan# 2814
 Delta R.T. -0.004 min
 Lab File: BG058829.D
 Acq: 23 Aug 2023 19:42

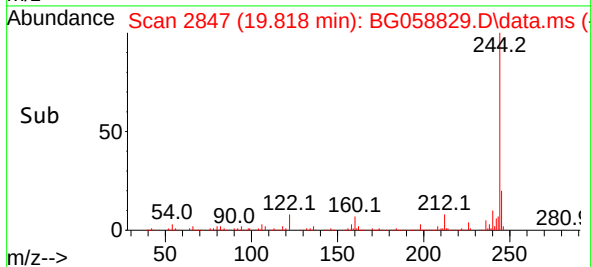
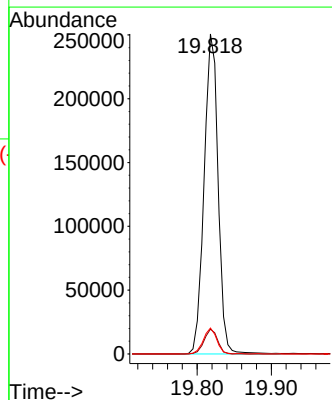
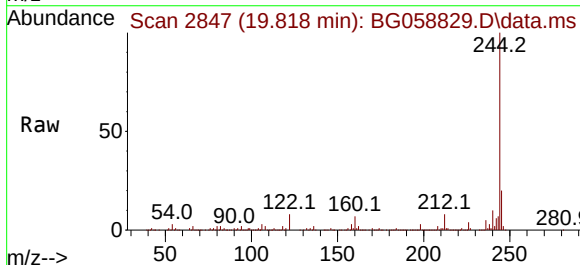
Instrument :
 BNA_G
 ClientSampleId :
 TP-07(1-3)

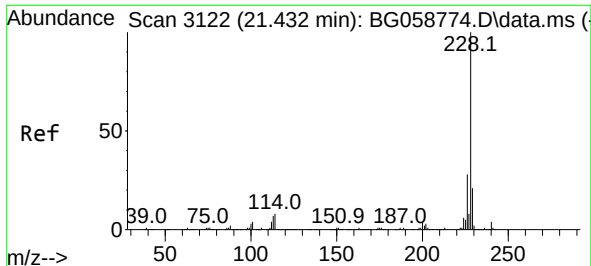
Tgt Ion:202	Resp:	45048
Ion Ratio	Lower	Upper
202	100	
200	21.3	16.7 25.1
203	17.7	15.3 22.9



#79
 Terphenyl-d14
 Concen: 44.180 ng
 RT: 19.818 min Scan# 2847
 Delta R.T. -0.010 min
 Lab File: BG058829.D
 Acq: 23 Aug 2023 19:42

Tgt Ion:244	Resp:	329669
Ion Ratio	Lower	Upper
244	100	
212	7.7	6.2 9.2
122	8.1	6.3 9.5

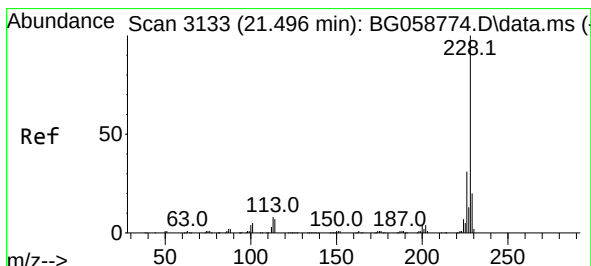
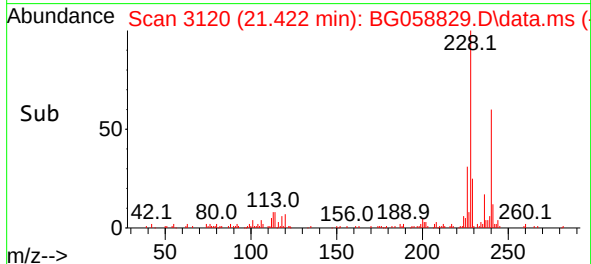
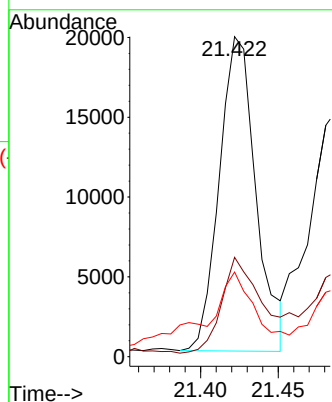
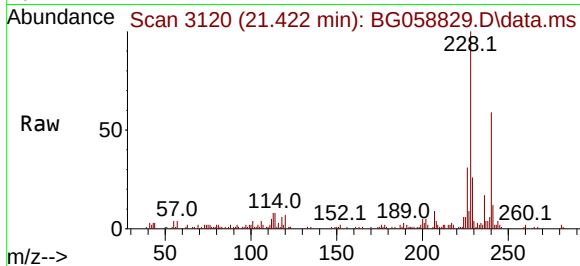




#81
Benzo(a)anthracene
Concen: 3.471 ng
RT: 21.422 min Scan# 3122
Delta R.T. -0.010 min
Lab File: BG058829.D
Acq: 23 Aug 2023 19:42

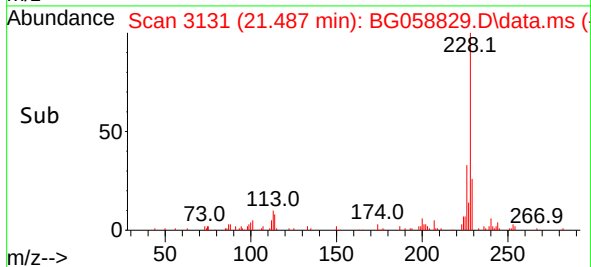
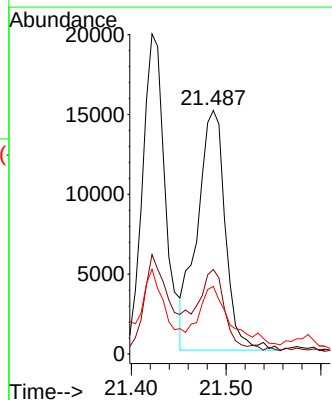
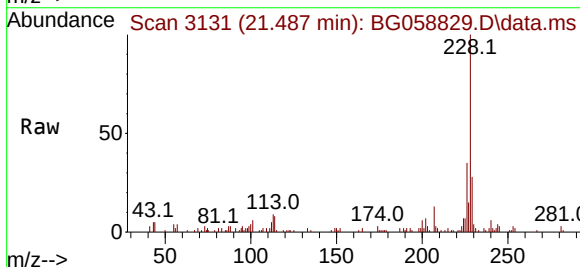
Instrument :
BNA_G
ClientSampleId :
TP-07(1-3)

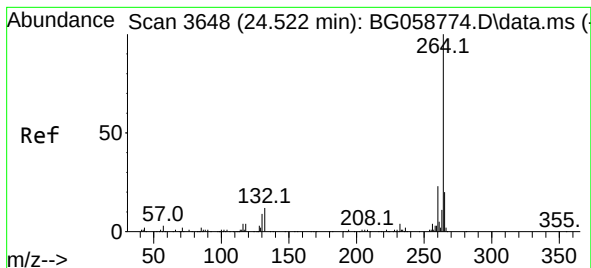
Tgt Ion:228 Resp: 32372
Ion Ratio Lower Upper
228 100
226 31.0 22.6 33.8
229 26.4 16.8 25.2#



#83
Chrysene
Concen: 3.456 ng
RT: 21.487 min Scan# 3131
Delta R.T. -0.010 min
Lab File: BG058829.D
Acq: 23 Aug 2023 19:42

Tgt Ion:228 Resp: 31069
Ion Ratio Lower Upper
228 100
226 34.7 24.4 36.6
229 27.7 16.3 24.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.512 min Scan# 3

Delta R.T. -0.010 min

Lab File: BG058829.D

Acq: 23 Aug 2023 19:42

Instrument :

BNA_G

ClientSampleId :

TP-07(1-3)

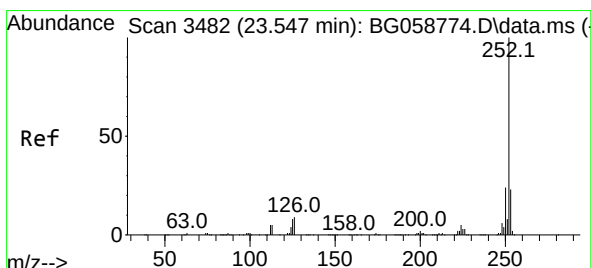
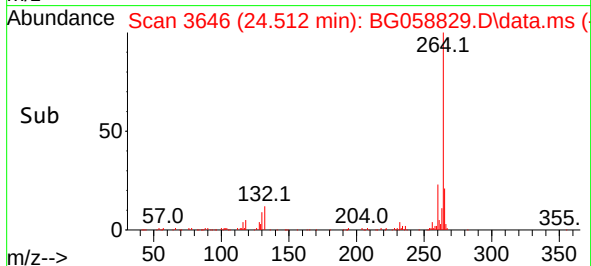
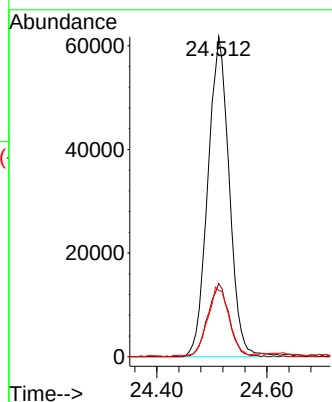
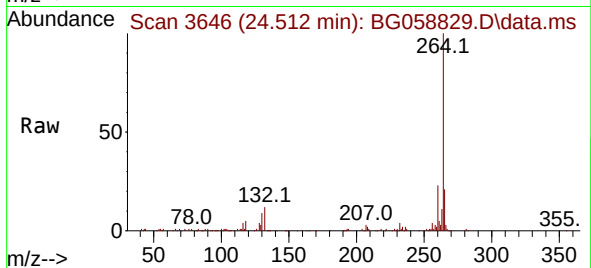
Tgt Ion:264 Resp: 166968

Ion Ratio Lower Upper

264 100

260 22.9 18.2 27.2

265 20.7 16.4 24.6



#88

Benzo(b)fluoranthene

Concen: 4.763 ng

RT: 23.537 min Scan# 3480

Delta R.T. -0.010 min

Lab File: BG058829.D

Acq: 23 Aug 2023 19:42

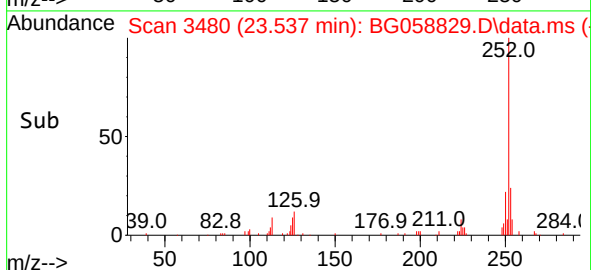
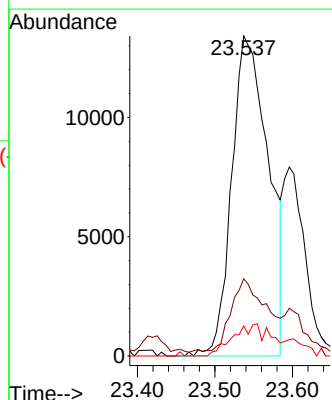
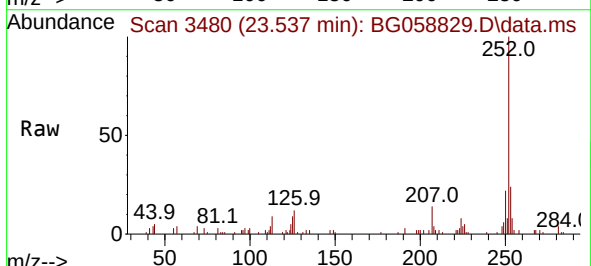
Tgt Ion:252 Resp: 44125

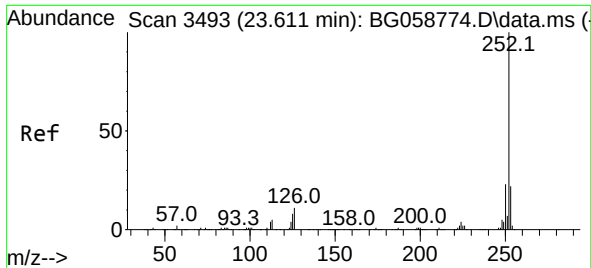
Ion Ratio Lower Upper

252 100

253 24.1 18.4 27.6

125 9.4 6.2 9.2#

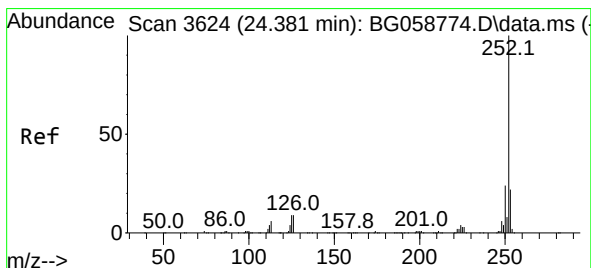
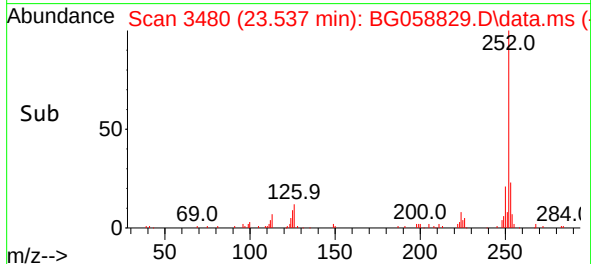
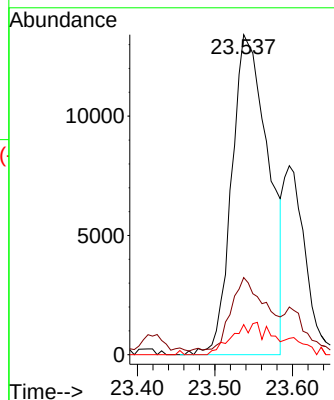
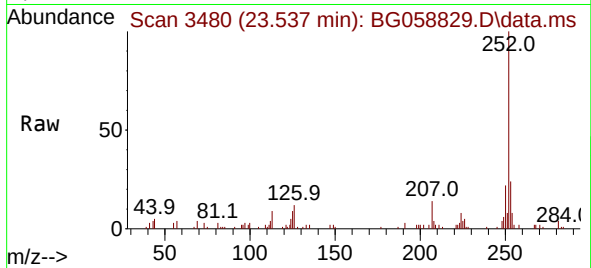




#89
Benzo(k)fluoranthene
Concen: 4.618 ng
RT: 23.537 min Scan# 3493
Delta R.T. -0.074 min
Lab File: BG058829.D
Acq: 23 Aug 2023 19:42

Instrument :
BNA_G
ClientSampleId :
TP-07(1-3)

Tgt Ion:252 Resp: 44125
Ion Ratio Lower Upper
252 100
253 24.1 17.6 26.4
125 9.4 6.3 9.5



#90
Benzo(a)pyrene
Concen: 3.239 ng
RT: 24.366 min Scan# 3621
Delta R.T. -0.016 min
Lab File: BG058829.D
Acq: 23 Aug 2023 19:42

Tgt Ion:252 Resp: 29545
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 8.2 6.8 10.2

