

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG082923\
 Data File : BG058893.D
 Acq On : 29 Aug 2023 18:48
 Operator : MA/JU
 Sample : 04177-01
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EO-1-082523

Quant Time: Aug 29 19:21:10 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG081823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Aug 29 14:27:28 2023
 Response via : Initial Calibration

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

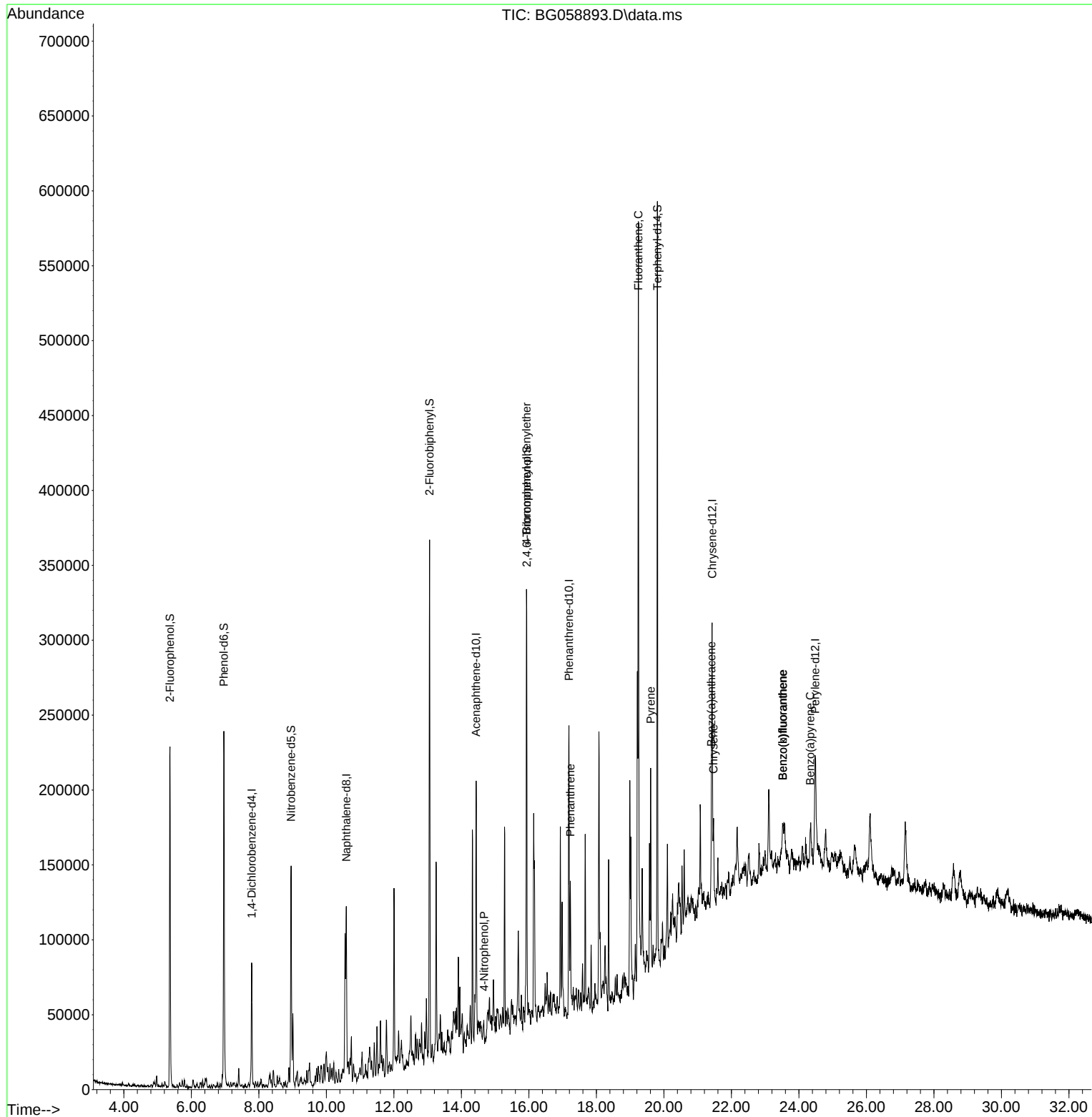
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.785	152	23269	20.000	ng	0.00
21) Naphthalene-d8	10.588	136	91952	20.000	ng	# 0.00
39) Acenaphthene-d10	14.436	164	58579	20.000	ng	0.00
64) Phenanthrene-d10	17.186	188	121872	20.000	ng	# 0.00
76) Chrysene-d12	21.428	240	104050	20.000	ng	0.00
86) Perylene-d12	24.483	264	94869	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.365	112	100027	69.178	ng	0.00
7) Phenol-d6	6.963	99	136039	67.058	ng	0.00
23) Nitrobenzene-d5	8.954	82	85960	44.945	ng	0.00
42) 2,4,6-Tribromophenol	15.935	330	60685	66.069	ng	0.00
45) 2-Fluorobiphenyl	13.056	172	185391	46.031	ng	0.00
79) Terphenyl-d14	19.806	244	259884	44.848	ng	0.00
Target Compounds						
						Qvalue
56) 4-Nitrophenol	14.677	139	79	4.570	ng	# 1
67) 4-Bromophenyl-phenylether	15.929	248	3702	2.768	ng	# 1
71) Phenanthrene	17.227	178	49611	8.479	ng	98
75) Fluoranthene	19.242	202	69277	9.548	ng	98
78) Pyrene	19.607	202	85088	11.736	ng	99
81) Benzo(a)anthracene	21.405	228	35556	4.909	ng	96
83) Chrysene	21.469	228	38971	5.582	ng	# 96
88) Benzo(b)fluoranthene	23.520	252	46441	8.823	ng	# 81
89) Benzo(k)fluoranthene	23.520	252	46441	8.555	ng	# 79
90) Benzo(a)pyrene	24.336	252	22185	4.280	ng	# 85

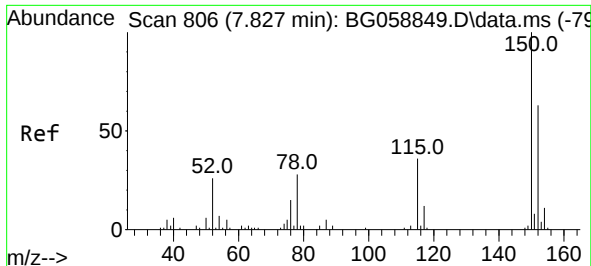
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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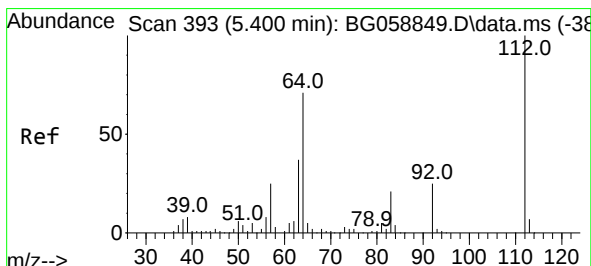
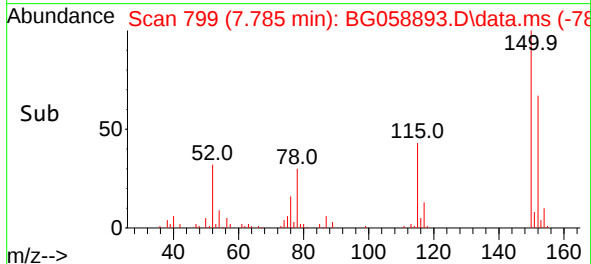
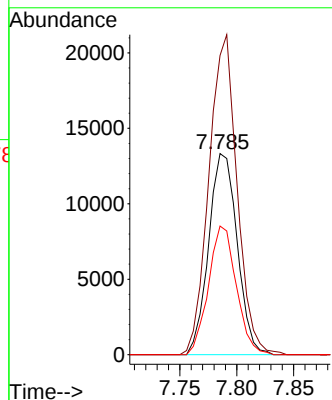
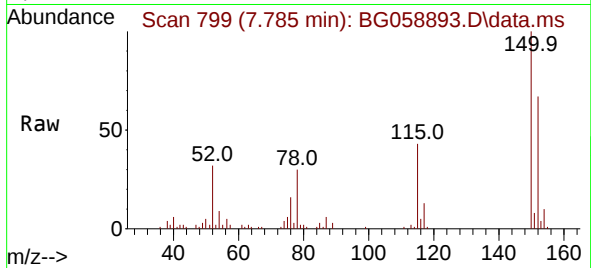




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.785 min Scan# 79
Delta R.T. -0.004 min
Lab File: BG058893.D
Acq: 29 Aug 2023 18:48

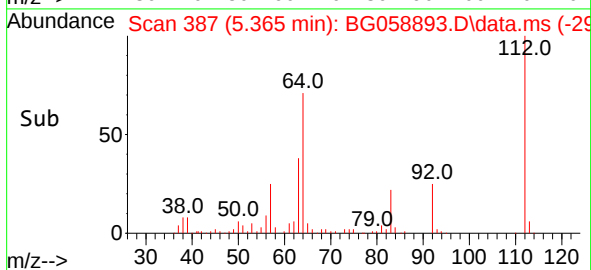
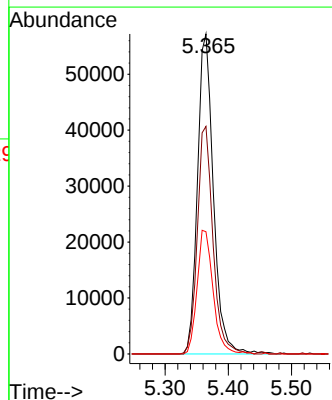
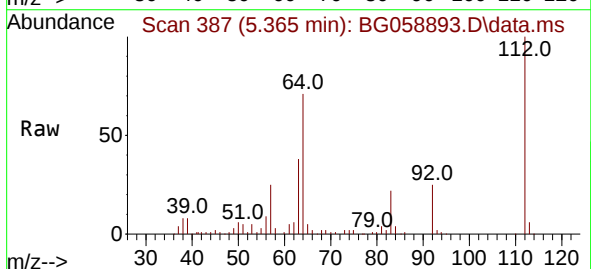
Instrument :
BNA_G
ClientSampleId :
EO-1-082523

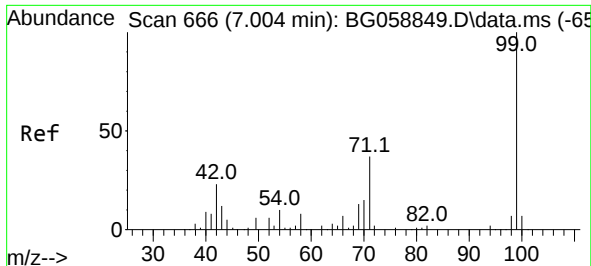
Tgt Ion:152 Resp: 23269
Ion Ratio Lower Upper
152 100
150 148.8 128.6 192.8
115 64.0 50.4 75.6



#5
2-Fluorophenol
Concen: 69.178 ng
RT: 5.365 min Scan# 387
Delta R.T. 0.008 min
Lab File: BG058893.D
Acq: 29 Aug 2023 18:48

Tgt Ion:112 Resp: 100027
Ion Ratio Lower Upper
112 100
64 71.1 60.6 90.8
63 38.2 31.0 46.4

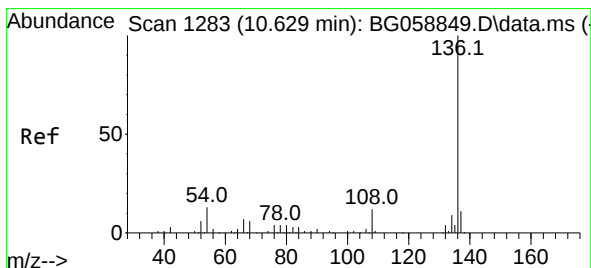
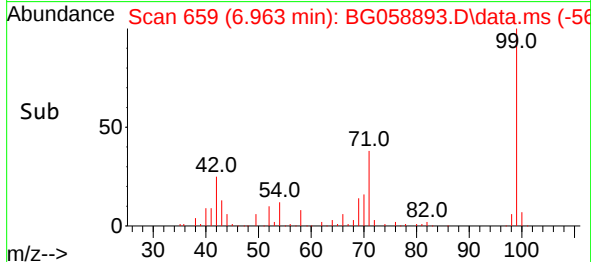
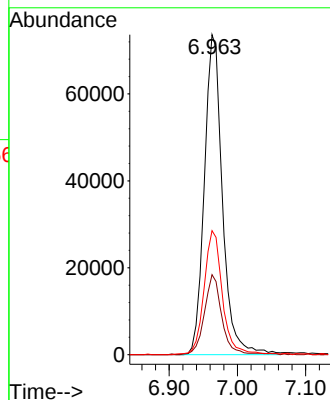
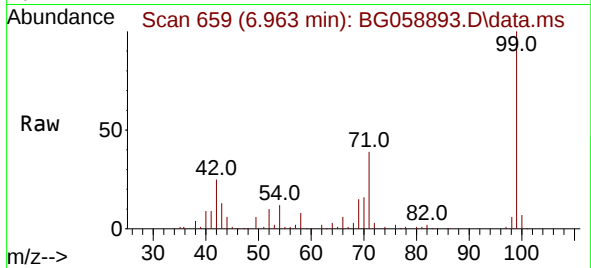




#7
Phenol-d6
Concen: 67.058 ng
RT: 6.963 min Scan# 61
Delta R.T. -0.004 min
Lab File: BG058893.D
Acq: 29 Aug 2023 18:48

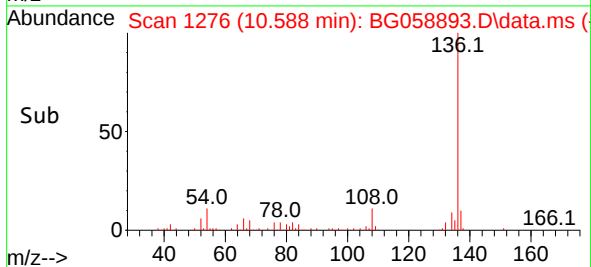
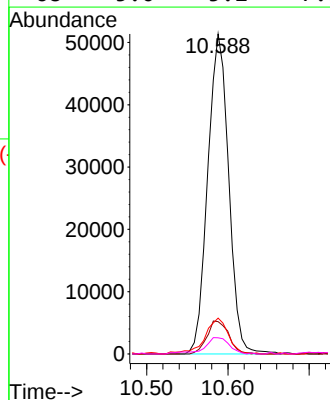
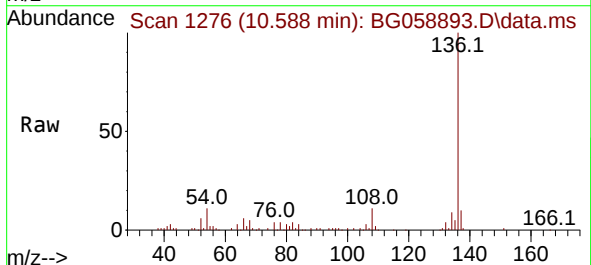
Instrument :
BNA_G
ClientSampleId :
EO-1-082523

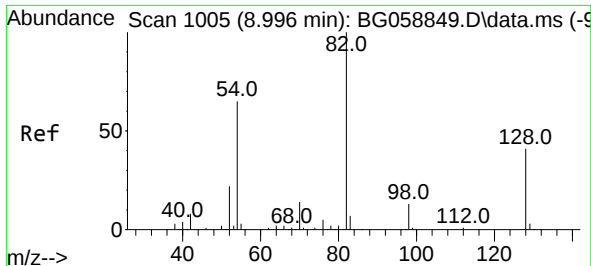
Tgt Ion: 99 Resp: 136039
Ion Ratio Lower Upper
99 100
42 25.0 16.5 24.7#
71 38.8 28.4 42.6



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.588 min Scan# 1276
Delta R.T. -0.004 min
Lab File: BG058893.D
Acq: 29 Aug 2023 18:48

Tgt Ion: 136 Resp: 91952
Ion Ratio Lower Upper
136 100
137 10.1 8.7 13.1
54 11.2 10.1 15.1
68 5.0 5.2 7.8#

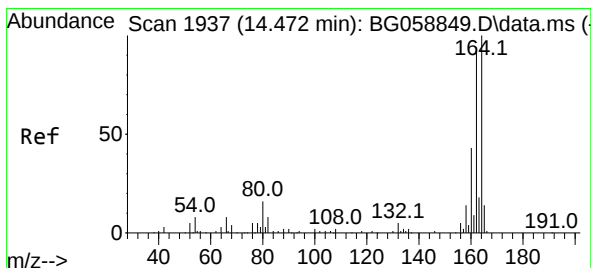
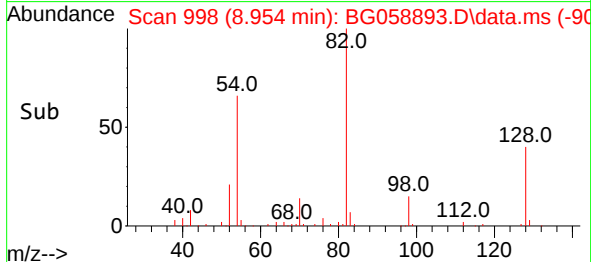
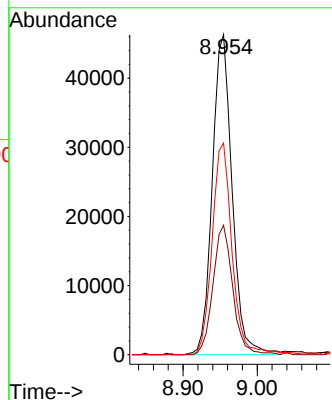
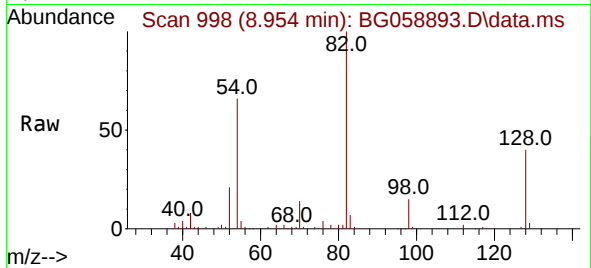




#23
Nitrobenzene-d5
Concen: 44.945 ng
RT: 8.954 min Scan# 91
Delta R.T. -0.004 min
Lab File: BG058893.D
Acq: 29 Aug 2023 18:48

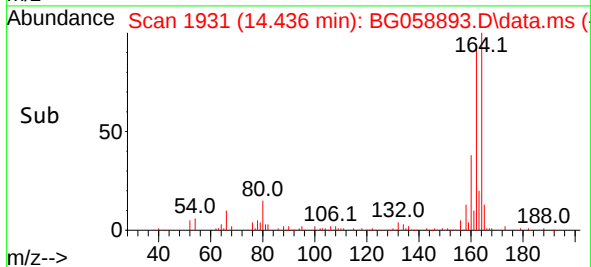
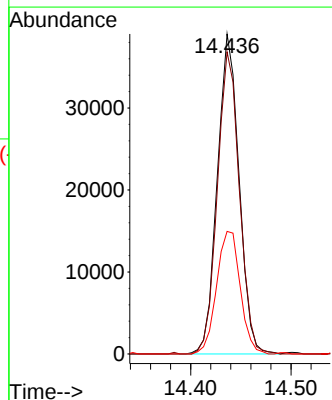
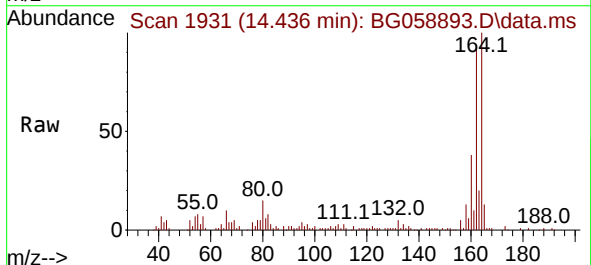
Instrument :
BNA_G
ClientSampleId :
EO-1-082523

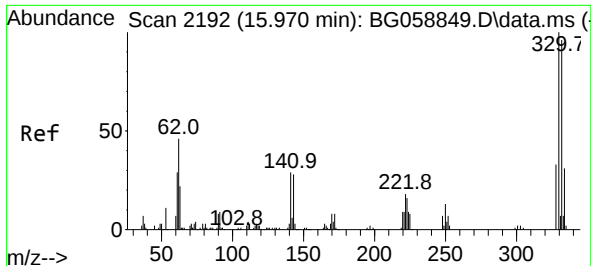
Tgt Ion: 82 Resp: 85960
Ion Ratio Lower Upper
82 100
128 40.4 33.2 49.8
54 66.1 51.2 76.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.436 min Scan# 1931
Delta R.T. -0.004 min
Lab File: BG058893.D
Acq: 29 Aug 2023 18:48

Tgt Ion:164 Resp: 58579
Ion Ratio Lower Upper
164 100
162 94.4 79.6 119.4
160 38.3 34.0 51.0

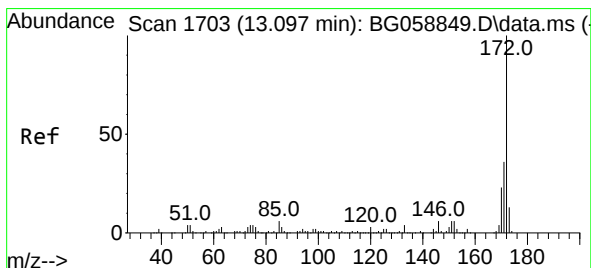
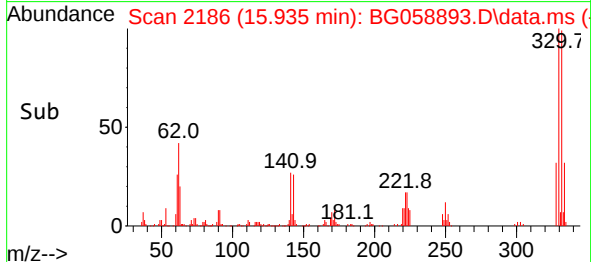
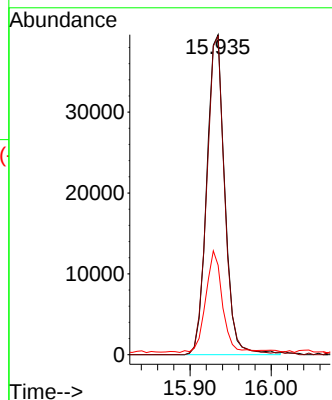
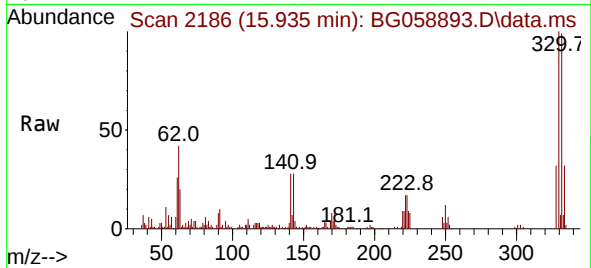




#42
2,4,6-Tribromophenol
Concen: 66.069 ng
RT: 15.935 min Scan# 2192
Delta R.T. 0.002 min
Lab File: BG058893.D
Acq: 29 Aug 2023 18:48

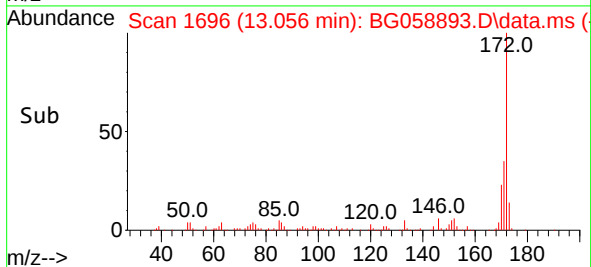
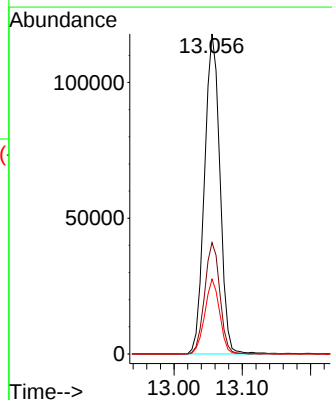
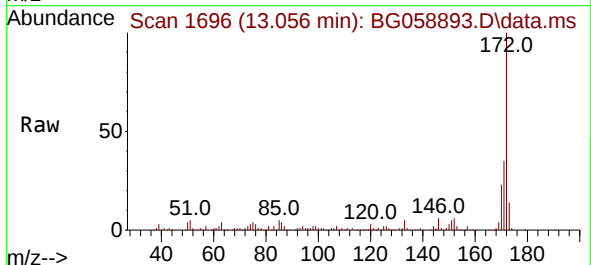
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ClientSampleId :
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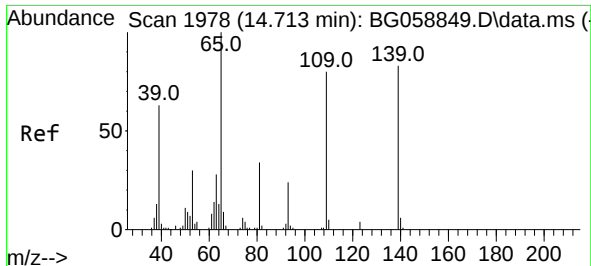
Tgt Ion:330 Resp: 60685
Ion Ratio Lower Upper
330 100
332 98.4 78.5 117.7
141 29.6 23.0 34.6



#45
2-Fluorobiphenyl
Concen: 46.031 ng
RT: 13.056 min Scan# 1696
Delta R.T. -0.004 min
Lab File: BG058893.D
Acq: 29 Aug 2023 18:48

Tgt Ion:172 Resp: 185391
Ion Ratio Lower Upper
172 100
171 34.8 28.1 42.1
170 23.4 18.6 27.8

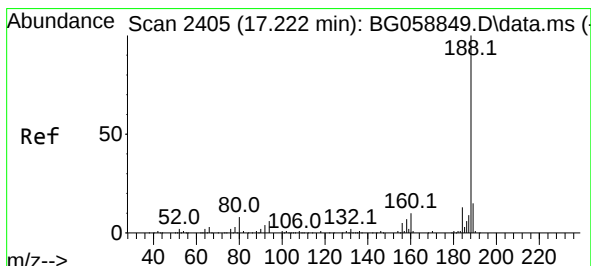
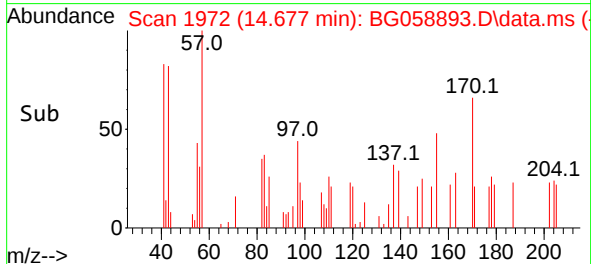
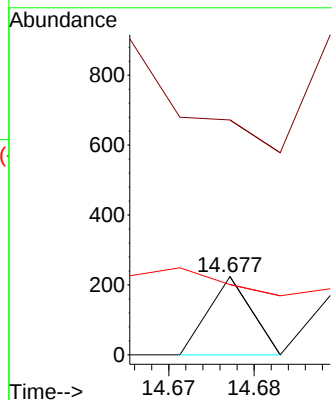
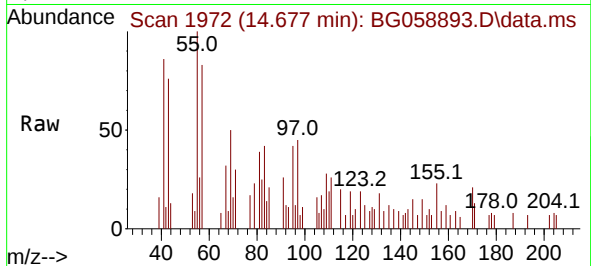




#56
4-Nitrophenol
Concen: 4.570 ng
RT: 14.677 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG058893.D
Acq: 29 Aug 2023 18:48

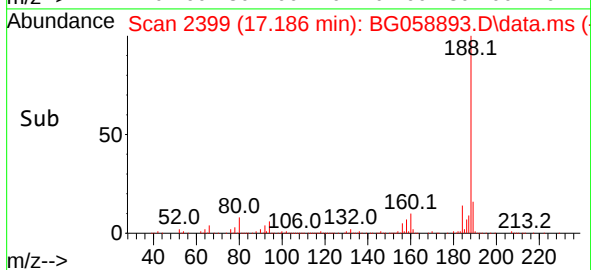
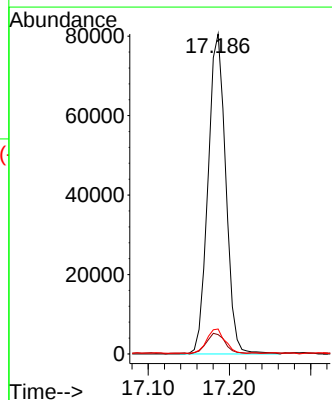
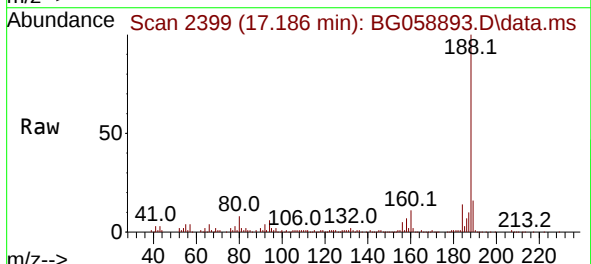
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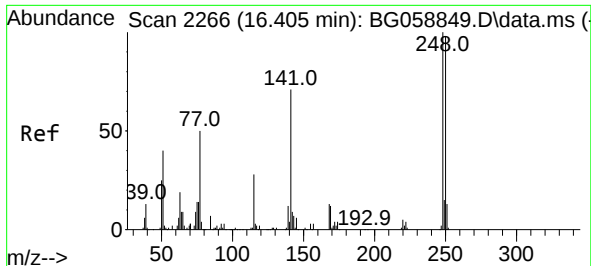
Tgt Ion:139 Resp: 79
Ion Ratio Lower Upper
139 100
109 300.0 71.9 111.9#
65 89.7 100.7 140.7#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.186 min Scan# 2399
Delta R.T. 0.002 min
Lab File: BG058893.D
Acq: 29 Aug 2023 18:48

Tgt Ion:188 Resp: 121872
Ion Ratio Lower Upper
188 100
94 6.1 6.1 9.1#
80 7.8 6.9 10.3

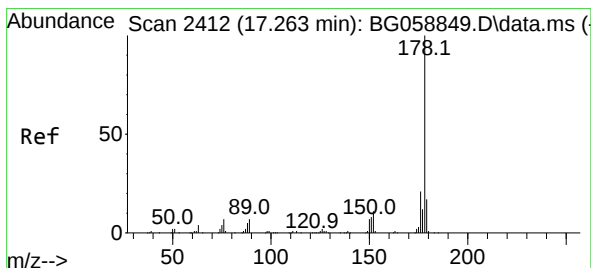
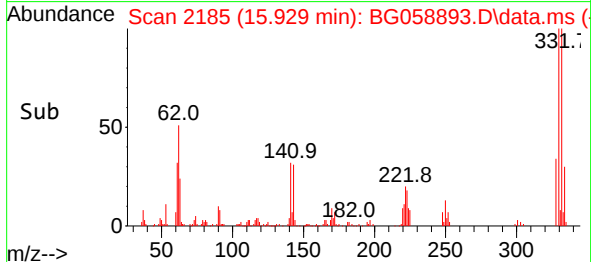
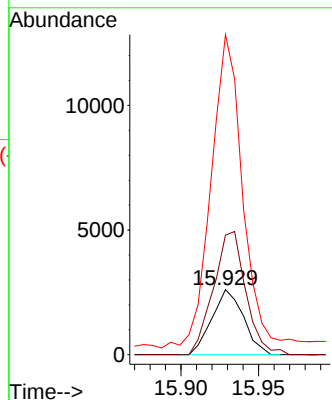
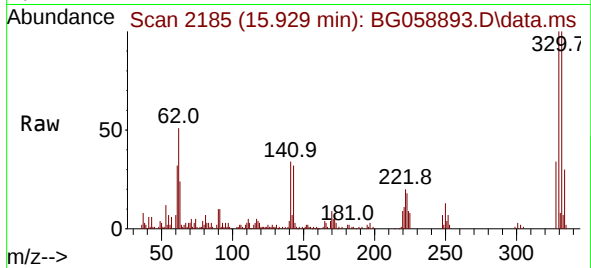




#67
4-Bromophenyl-phenylether
Concen: 2.768 ng
RT: 15.929 min Scan# 2185
Delta R.T. -0.444 min
Lab File: BG058893.D
Acq: 29 Aug 2023 18:48

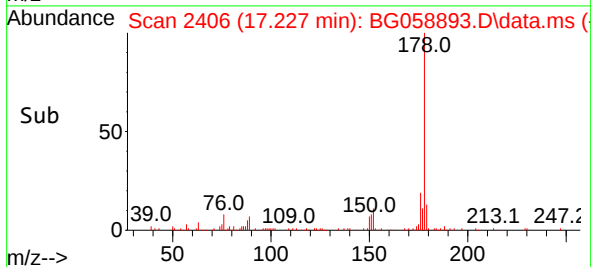
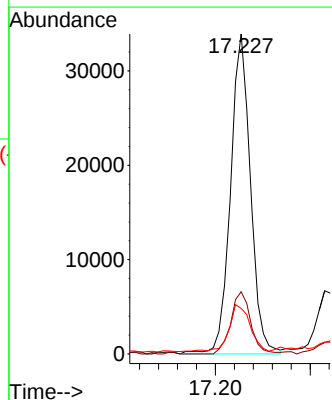
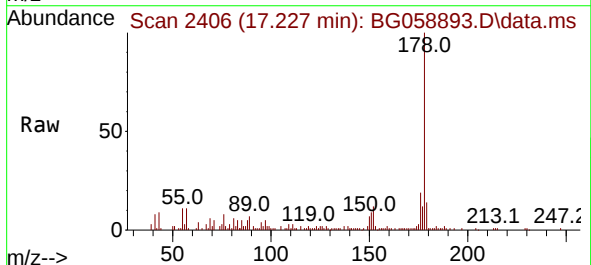
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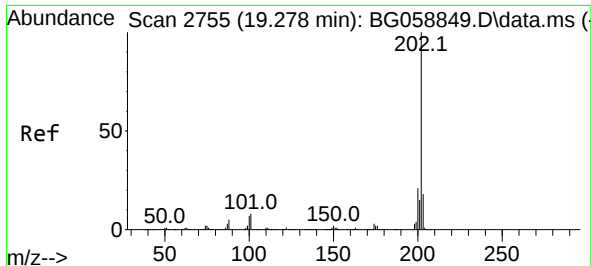
Tgt Ion:248 Resp: 3702
Ion Ratio Lower Upper
248 100
250 137.7 77.7 116.5#
141 368.9 53.6 80.4#



#71
Phenanthrene
Concen: 8.479 ng
RT: 17.227 min Scan# 2406
Delta R.T. -0.004 min
Lab File: BG058893.D
Acq: 29 Aug 2023 18:48

Tgt Ion:178 Resp: 49611
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 14.3 13.0 19.4

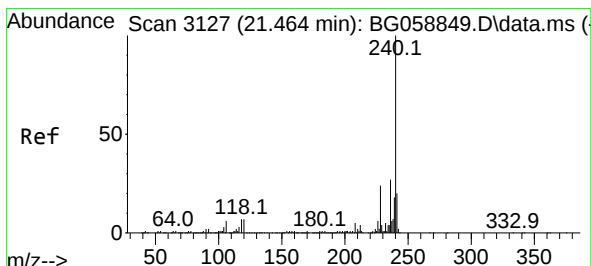
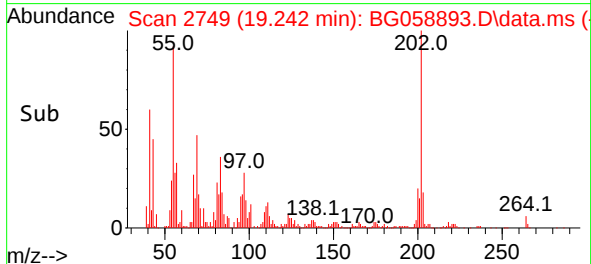
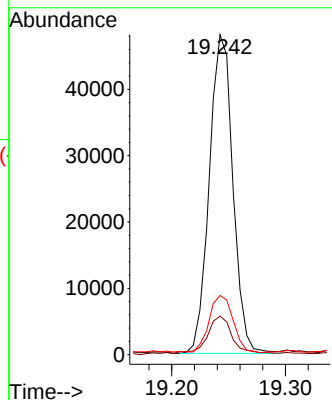
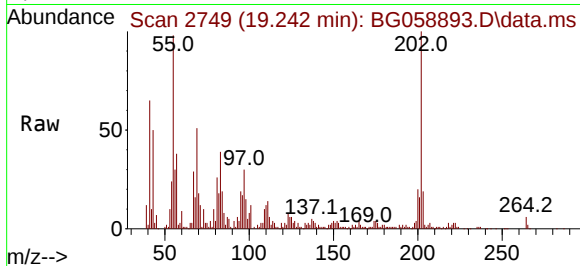




#75
Fluoranthene
Concen: 9.548 ng
RT: 19.242 min Scan# 21
Delta R.T. 0.002 min
Lab File: BG058893.D
Acq: 29 Aug 2023 18:48

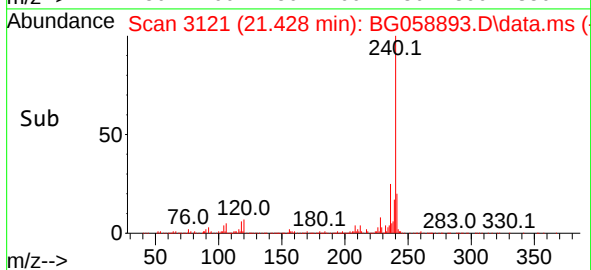
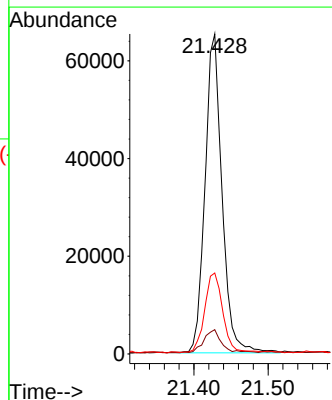
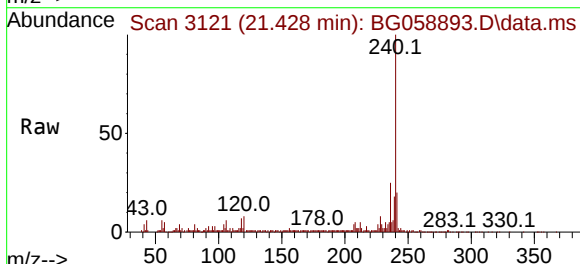
Instrument :
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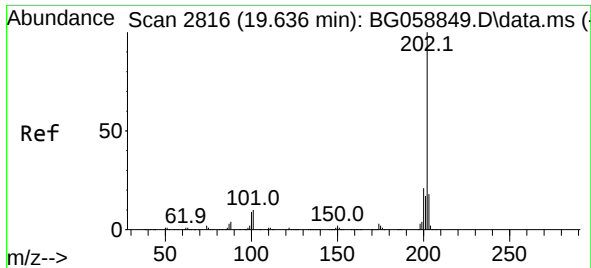
Tgt Ion:	202	Resp:	69277
Ion Ratio	Lower	Upper	
202	100		
101	12.0	0.0	29.7
203	18.5	0.0	38.7



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.428 min Scan# 3121
Delta R.T. 0.002 min
Lab File: BG058893.D
Acq: 29 Aug 2023 18:48

Tgt Ion:	240	Resp:	104050
Ion Ratio	Lower	Upper	
240	100		
120	7.6	6.2	9.2
236	25.3	20.5	30.7

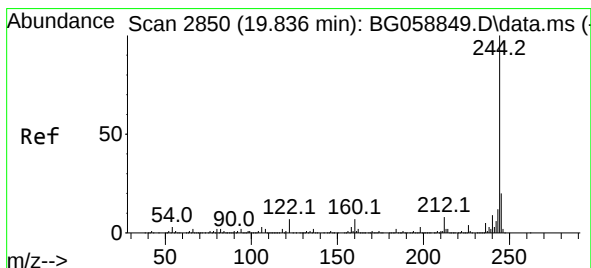
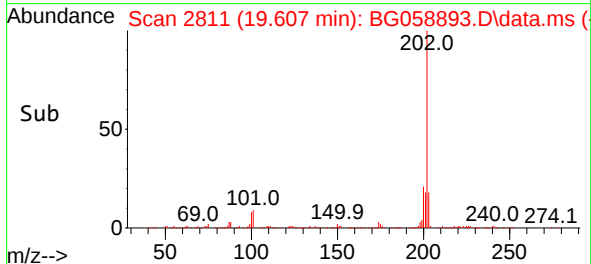
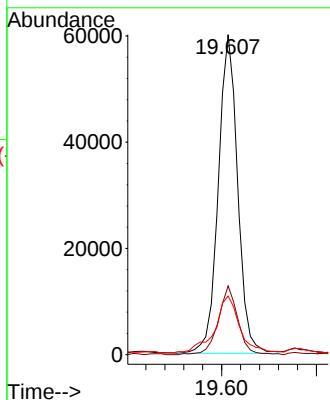
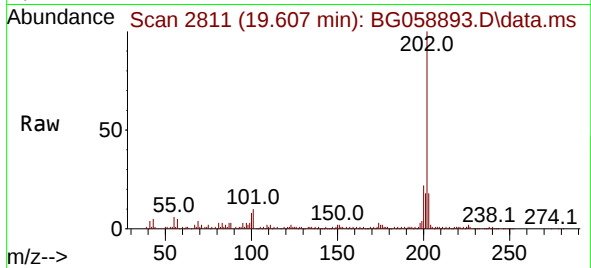




#78
 Pyrene
 Concen: 11.736 ng
 RT: 19.607 min Scan# 21
 Delta R.T. 0.002 min
 Lab File: BG058893.D
 Acq: 29 Aug 2023 18:48

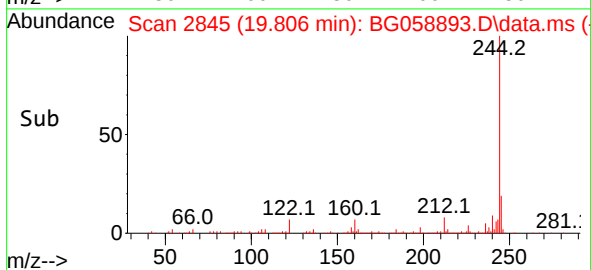
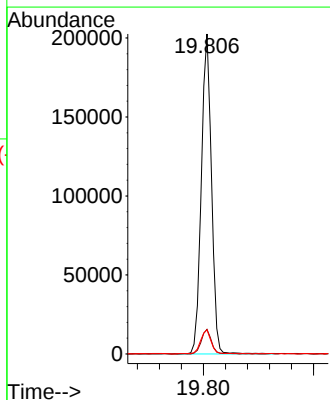
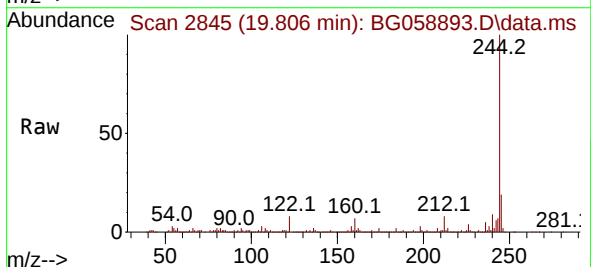
Instrument :
 BNA_G
 ClientSampleId :
 EO-1-082523

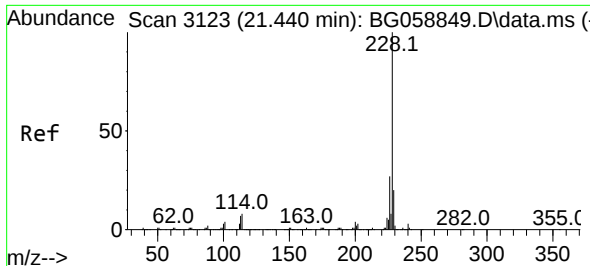
Tgt Ion:	202	Resp:	85088
Ion Ratio	Lower	Upper	
202	100		
200	21.5	16.7	25.1
203	18.4	15.3	22.9



#79
 Terphenyl-d14
 Concen: 44.848 ng
 RT: 19.806 min Scan# 2845
 Delta R.T. 0.002 min
 Lab File: BG058893.D
 Acq: 29 Aug 2023 18:48

Tgt Ion:	244	Resp:	259884
Ion Ratio	Lower	Upper	
244	100		
212	7.7	6.2	9.2
122	7.6	6.3	9.5

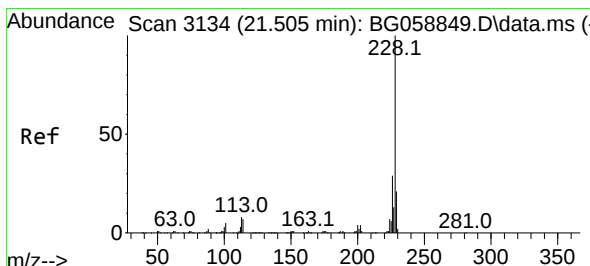
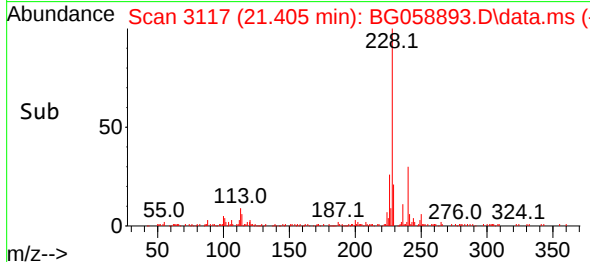
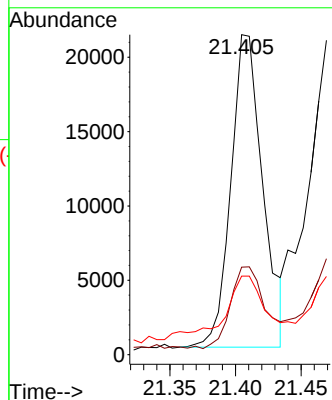
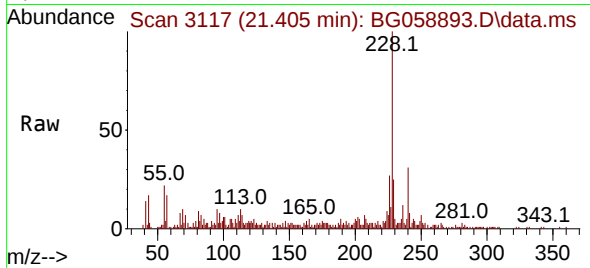




#81
Benzo(a)anthracene
Concen: 4.909 ng
RT: 21.405 min Scan# 3117
Delta R.T. 0.002 min
Lab File: BG058893.D
Acq: 29 Aug 2023 18:48

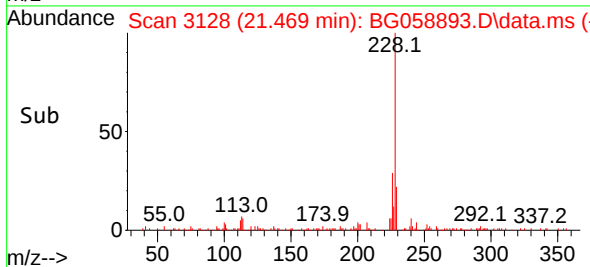
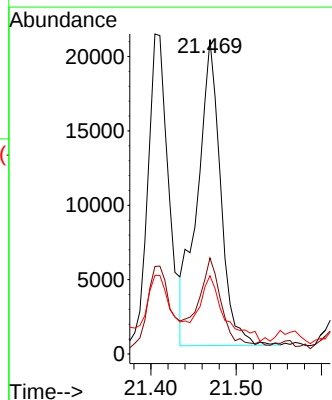
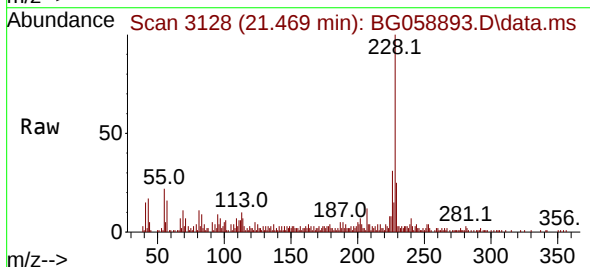
Instrument :
BNA_G
ClientSampleId :
EO-1-082523

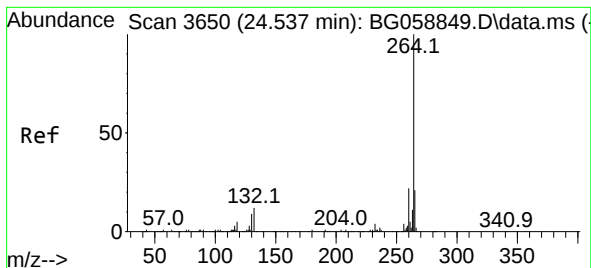
Tgt Ion:228 Resp: 35556
Ion Ratio Lower Upper
228 100
226 27.4 22.6 33.8
229 24.6 16.8 25.2



#83
Chrysene
Concen: 5.582 ng
RT: 21.469 min Scan# 3128
Delta R.T. 0.002 min
Lab File: BG058893.D
Acq: 29 Aug 2023 18:48

Tgt Ion:228 Resp: 38971
Ion Ratio Lower Upper
228 100
226 30.5 24.4 36.6
229 24.9 16.3 24.5#





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.483 min Scan# 3

Delta R.T. 0.014 min

Lab File: BG058893.D

Acq: 29 Aug 2023 18:48

Instrument :

BNA_G

ClientSampleId :

EO-1-082523

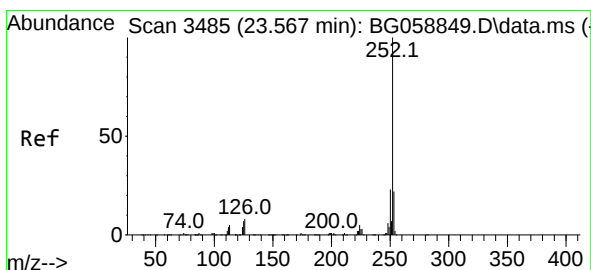
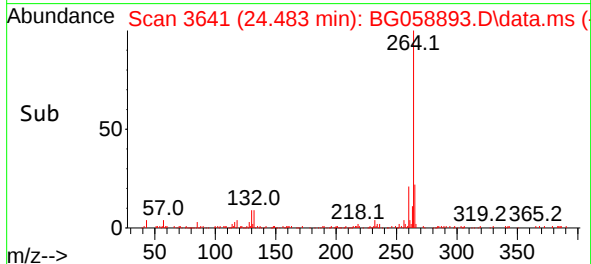
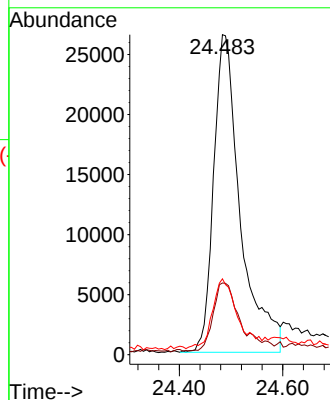
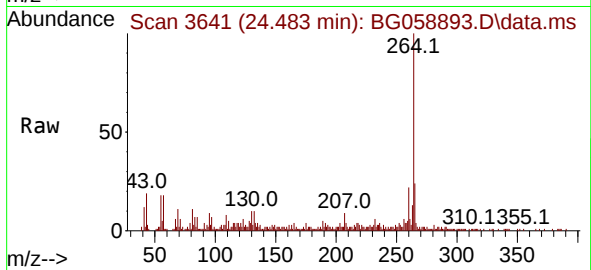
Tgt Ion:264 Resp: 94869

Ion Ratio Lower Upper

264 100

260 22.4 18.2 27.2

265 23.7 16.4 24.6



#88

Benzo(b)fluoranthene

Concen: 8.823 ng

RT: 23.520 min Scan# 3477

Delta R.T. 0.014 min

Lab File: BG058893.D

Acq: 29 Aug 2023 18:48

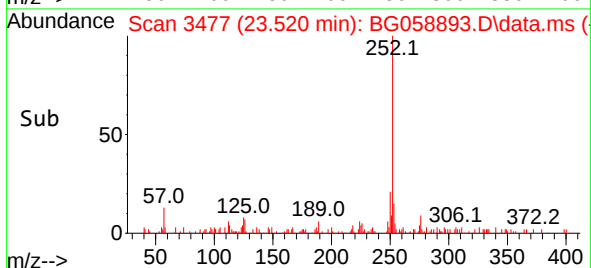
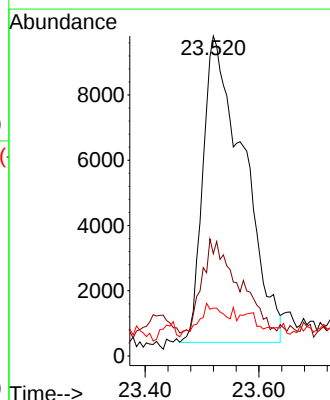
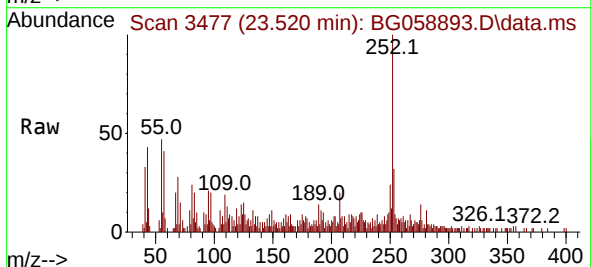
Tgt Ion:252 Resp: 46441

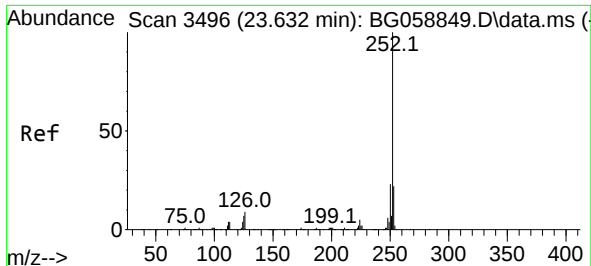
Ion Ratio Lower Upper

252 100

253 32.0 18.4 27.6#

125 15.0 6.2 9.2#

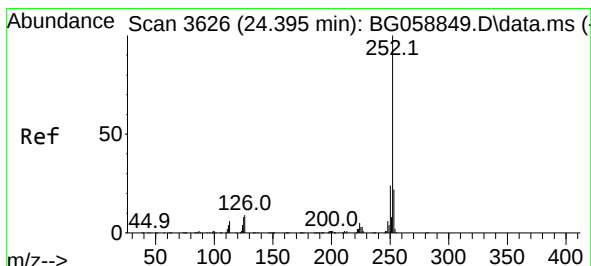
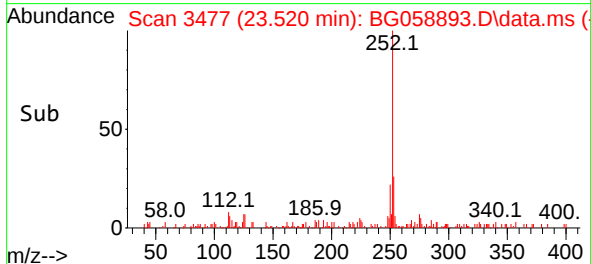
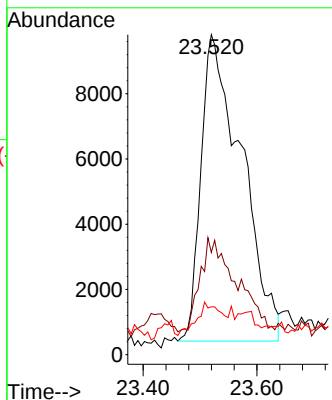
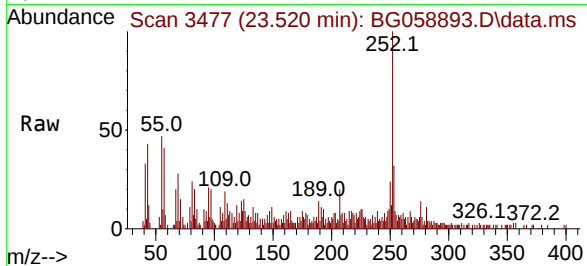




#89
Benzo(k)fluoranthene
Concen: 8.555 ng
RT: 23.520 min Scan# 34
Delta R.T. -0.051 min
Lab File: BG058893.D
Acq: 29 Aug 2023 18:48

Instrument :
BNA_G
ClientSampleId :
EO-1-082523

Tgt Ion:252 Resp: 46441
Ion Ratio Lower Upper
252 100
253 32.0 17.6 26.4#
125 15.0 6.3 9.5#



#90
Benzo(a)pyrene
Concen: 4.280 ng
RT: 24.336 min Scan# 3616
Delta R.T. 0.002 min
Lab File: BG058893.D
Acq: 29 Aug 2023 18:48

Tgt Ion:252 Resp: 22185
Ion Ratio Lower Upper
252 100
253 29.7 17.5 26.3#
125 12.4 6.8 10.2#

