

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG090622\
 Data File : BG054855.D
 Acq On : 6 Sep 2022 17:10
 Operator : CG/JU
 Sample : N4486-01
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PC-1

Quant Time: Sep 07 04:56:58 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG082522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 25 17:50:55 2022
 Response via : Initial Calibration

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

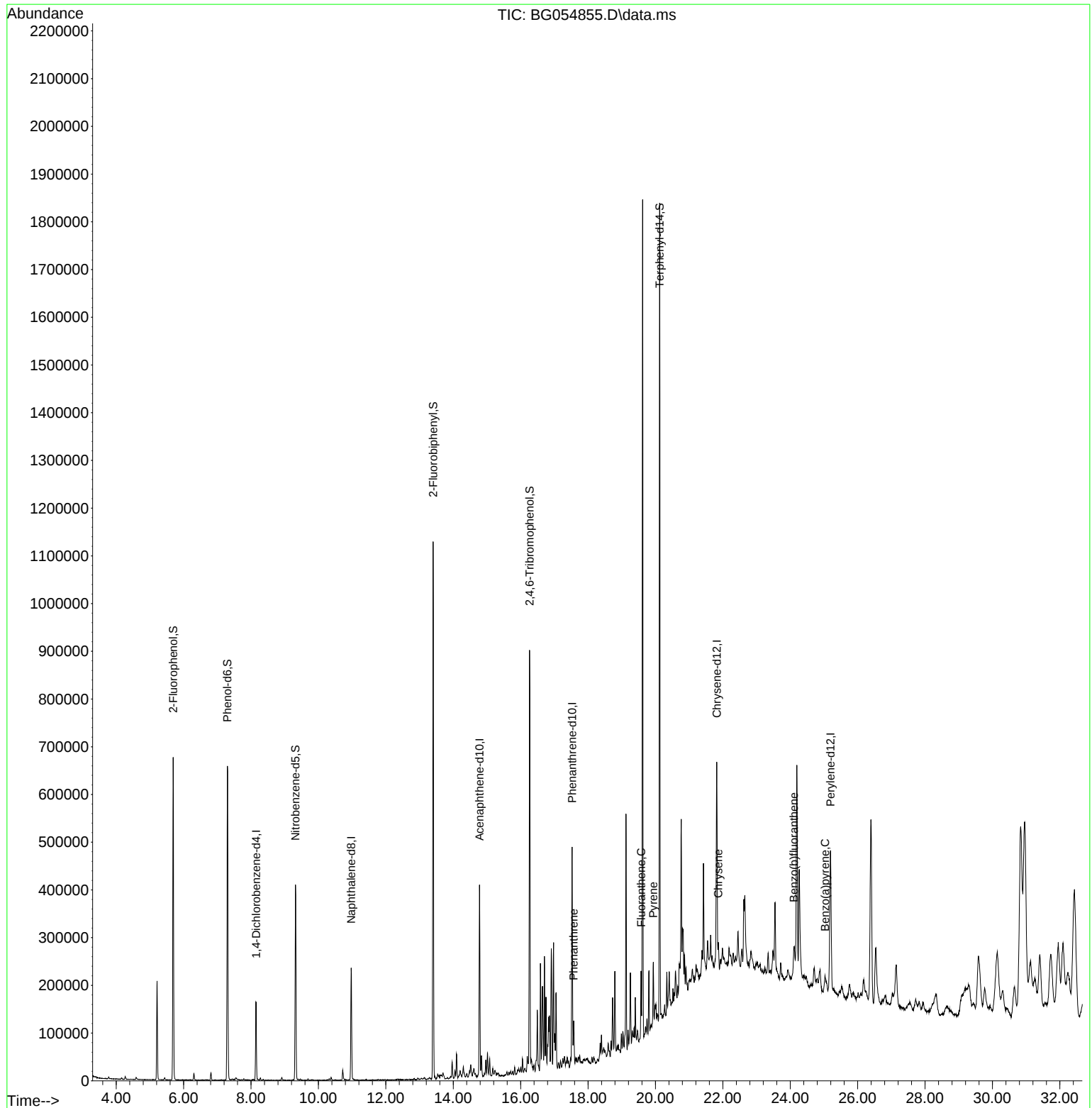
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.151	152	50847	20.000	ng	0.00
21) Naphthalene-d8	10.971	136	208768	20.000	ng	0.00
39) Acenaphthene-d10	14.778	164	135664	20.000	ng	0.00
64) Phenanthrene-d10	17.528	188	292624	20.000	ng	0.00
76) Chrysene-d12	21.817	240	270285	20.000	ng	0.00
86) Perylene-d12	25.195	264	285302	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.689	112	318614	109.116	ng	0.00
7) Phenol-d6	7.299	99	430020	107.686	ng	0.00
23) Nitrobenzene-d5	9.320	82	263919	66.365	ng	0.00
42) 2,4,6-Tribromophenol	16.265	330	188376	111.123	ng	0.00
45) 2-Fluorobiphenyl	13.403	172	601939	66.689	ng	0.00
79) Terphenyl-d14	20.125	244	839423	61.536	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.569	178	37181	2.385	ng	99
75) Fluoranthene	19.573	202	91362	4.818	ng	98
78) Pyrene	19.937	202	75373	3.999	ng	97
83) Chrysene	21.864	228	43991	2.511	ng	98
88) Benzo(b)fluoranthene	24.108	252	59930	3.349	ng	# 85
90) Benzo(a)pyrene	25.031	252	35786	2.340	ng	# 85

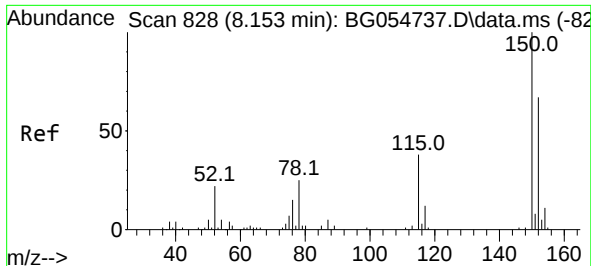
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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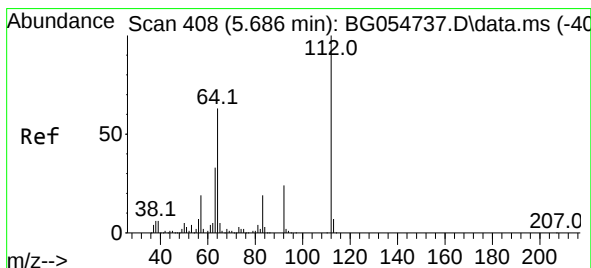
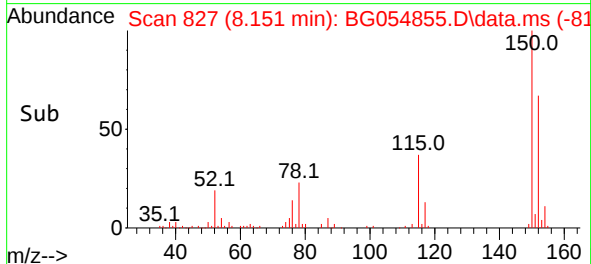
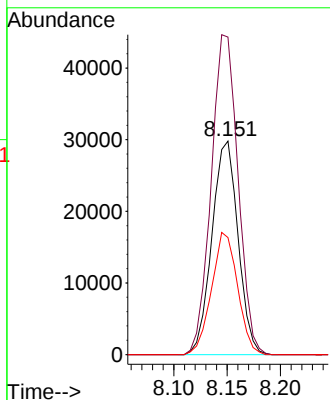
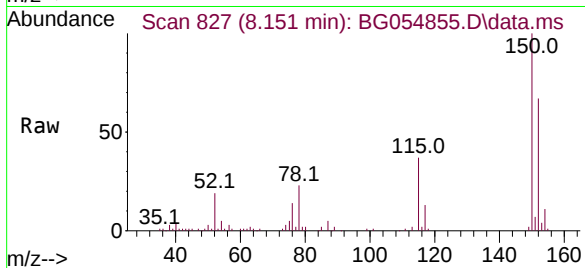




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.151 min Scan# 81
Delta R.T. -0.002 min
Lab File: BG054855.D
Acq: 6 Sep 2022 17:10

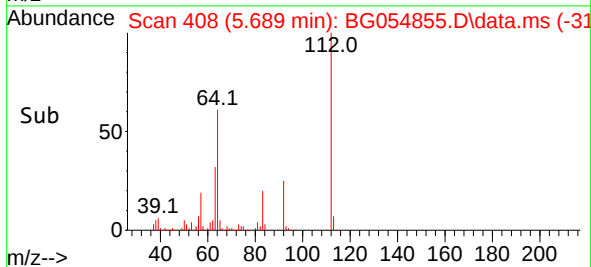
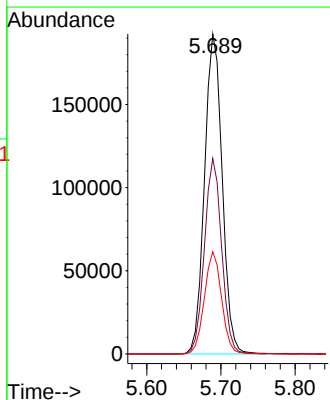
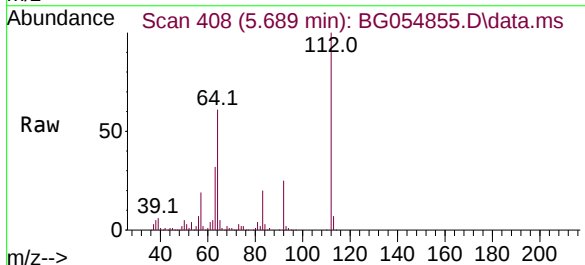
Instrument :
BNA_G
ClientSampleId :
PC-1

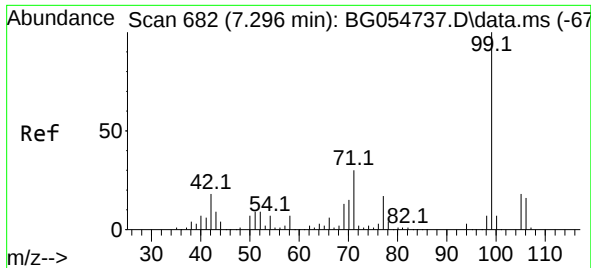
Tgt Ion:152 Resp: 50847
Ion Ratio Lower Upper
152 100
150 148.8 125.2 187.8
115 54.8 47.9 71.9



#5
2-Fluorophenol
Concen: 109.116 ng
RT: 5.689 min Scan# 408
Delta R.T. 0.003 min
Lab File: BG054855.D
Acq: 6 Sep 2022 17:10

Tgt Ion:112 Resp: 318614
Ion Ratio Lower Upper
112 100
64 61.1 49.3 73.9
63 31.9 26.3 39.5

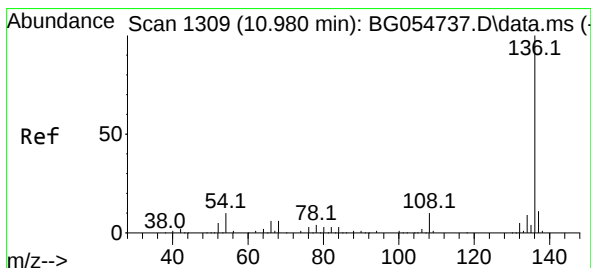
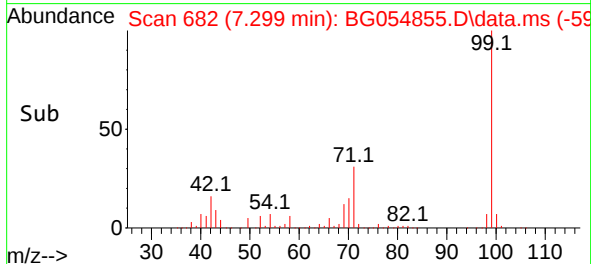
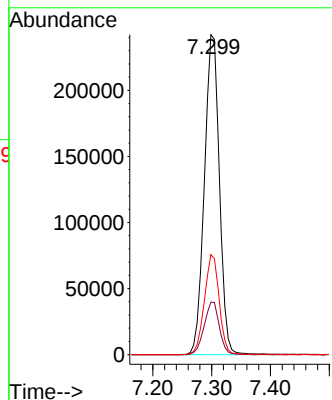
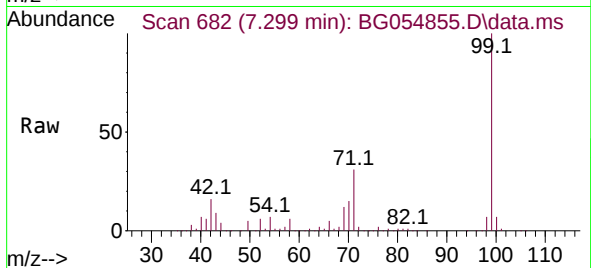




#7
Phenol-d6
Concen: 107.686 ng
RT: 7.299 min Scan# 682
Delta R.T. 0.003 min
Lab File: BG054855.D
Acq: 6 Sep 2022 17:10

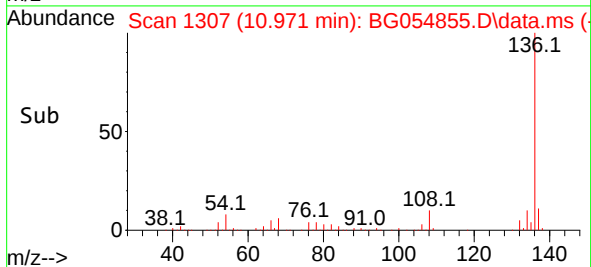
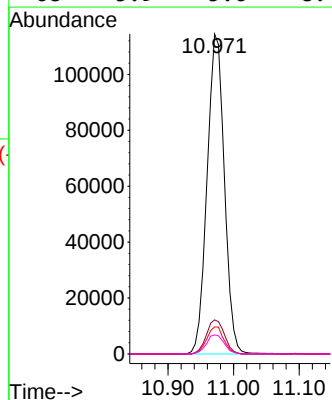
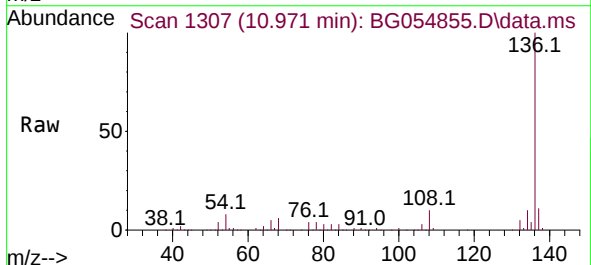
Instrument :
BNA_G
ClientSampleId :
PC-1

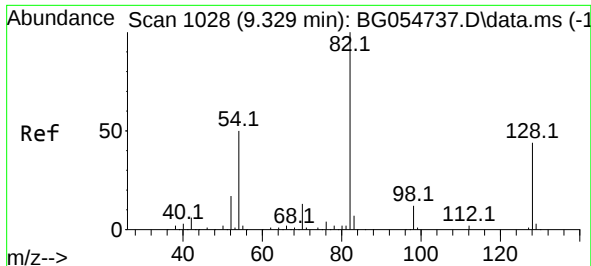
Tgt Ion: 99 Resp: 430020
Ion Ratio Lower Upper
99 100
42 16.4 14.6 22.0
71 31.3 24.6 37.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.971 min Scan# 1307
Delta R.T. -0.009 min
Lab File: BG054855.D
Acq: 6 Sep 2022 17:10

Tgt Ion: 136 Resp: 208768
Ion Ratio Lower Upper
136 100
137 10.6 9.2 13.8
54 8.4 7.7 11.5
68 5.9 5.6 8.4





#23

Nitrobenzene-d5

Concen: 66.365 ng

RT: 9.320 min Scan# 1026

Delta R.T. -0.009 min

Lab File: BG054855.D

Acq: 6 Sep 2022 17:10

Instrument :

BNA_G

ClientSampleId :

PC-1

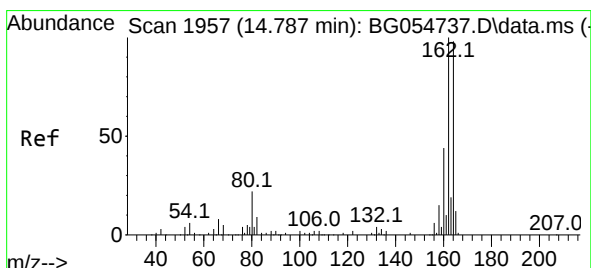
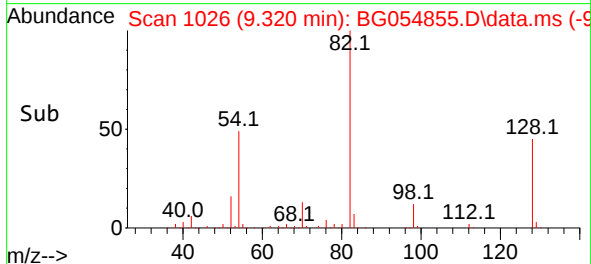
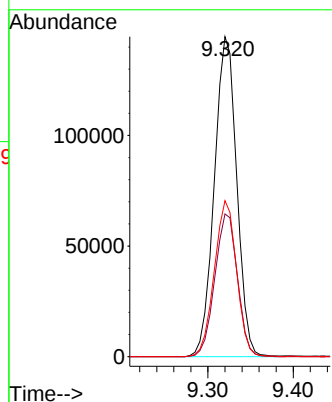
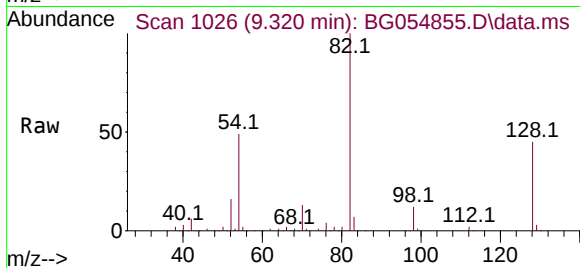
Tgt Ion: 82 Resp: 263919

Ion Ratio Lower Upper

82 100

128 44.6 32.2 48.2

54 48.7 41.4 62.0



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.778 min Scan# 1955

Delta R.T. -0.009 min

Lab File: BG054855.D

Acq: 6 Sep 2022 17:10

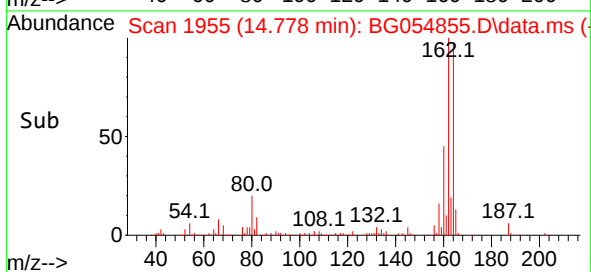
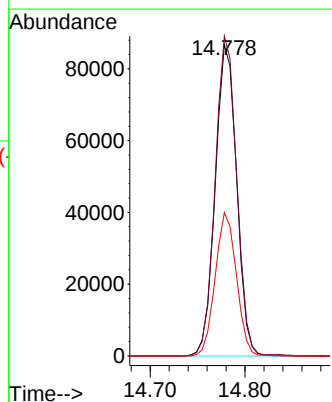
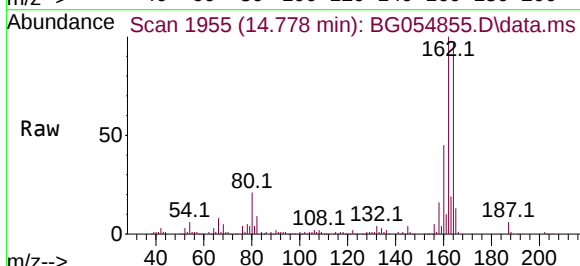
Tgt Ion:164 Resp: 135664

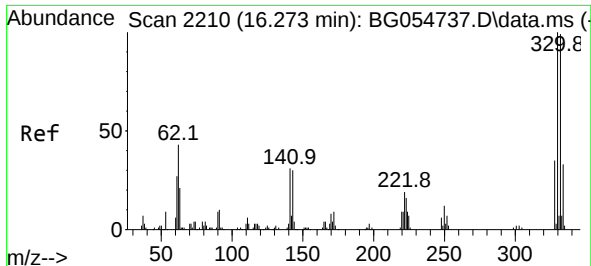
Ion Ratio Lower Upper

164 100

162 102.8 83.0 124.4

160 46.0 38.0 57.0

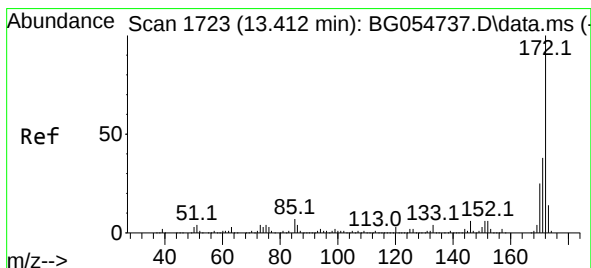
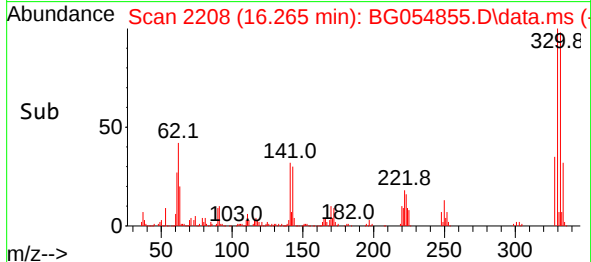
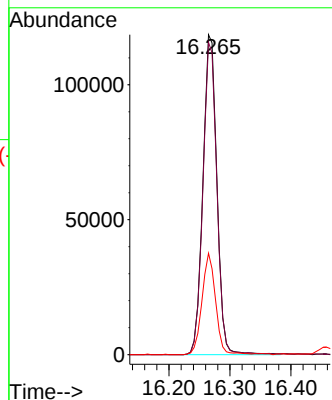
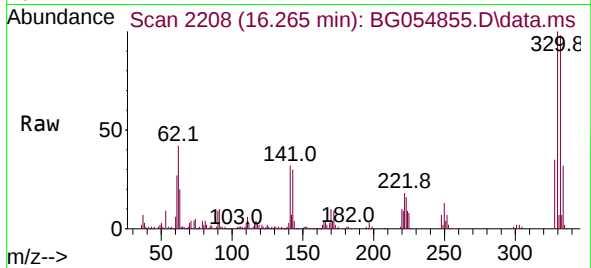




#42
2,4,6-Tribromophenol
Concen: 111.123 ng
RT: 16.265 min Scan# 2210
Delta R.T. -0.009 min
Lab File: BG054855.D
Acq: 6 Sep 2022 17:10

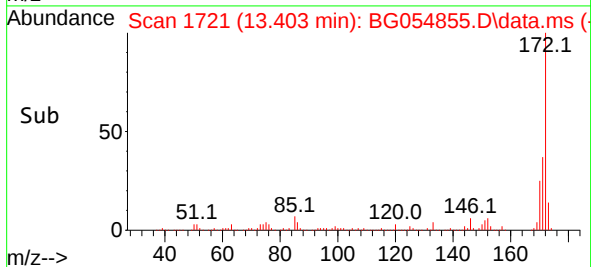
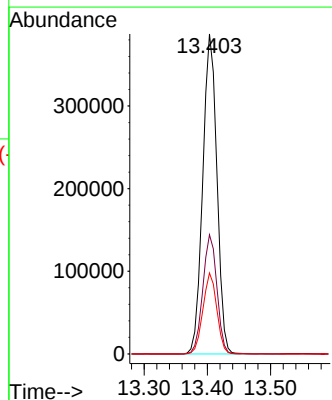
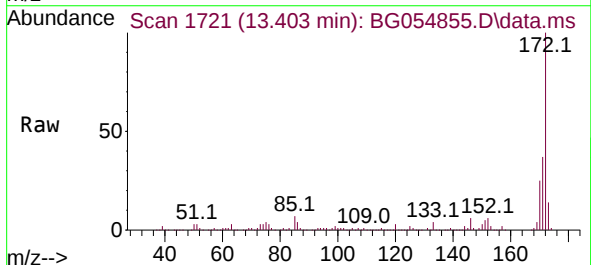
Instrument :
BNA_G
ClientSampleId :
PC-1

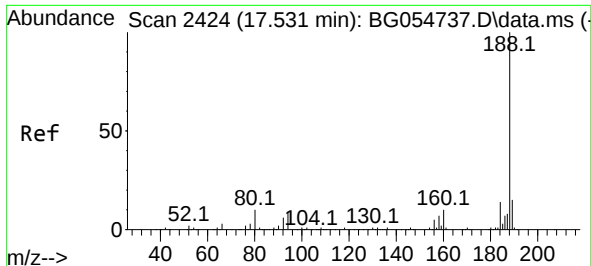
Tgt Ion:330 Resp: 188376
Ion Ratio Lower Upper
330 100
332 97.6 79.8 119.6
141 30.7 26.8 40.2



#45
2-Fluorobiphenyl
Concen: 66.689 ng
RT: 13.403 min Scan# 1721
Delta R.T. -0.009 min
Lab File: BG054855.D
Acq: 6 Sep 2022 17:10

Tgt Ion:172 Resp: 601939
Ion Ratio Lower Upper
172 100
171 37.2 31.2 46.8
170 25.3 20.6 30.8

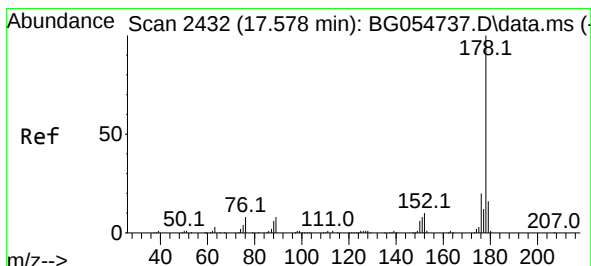
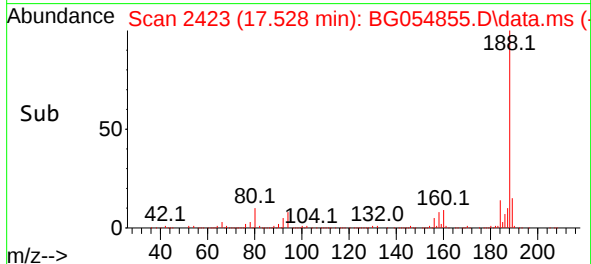
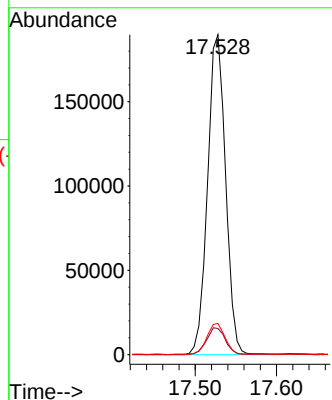
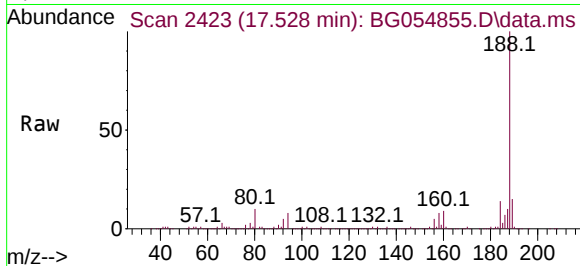




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.528 min Scan# 2423
Delta R.T. -0.003 min
Lab File: BG054855.D
Acq: 6 Sep 2022 17:10

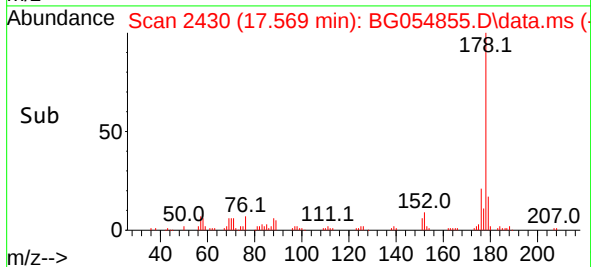
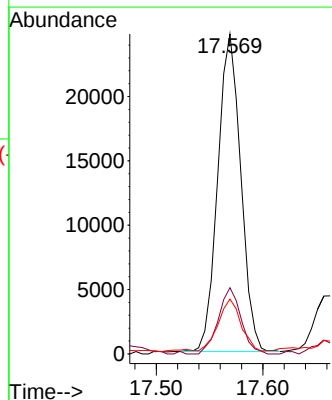
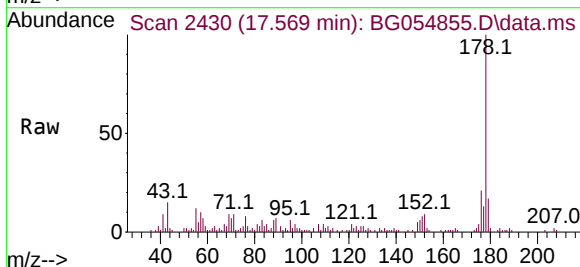
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PC-1

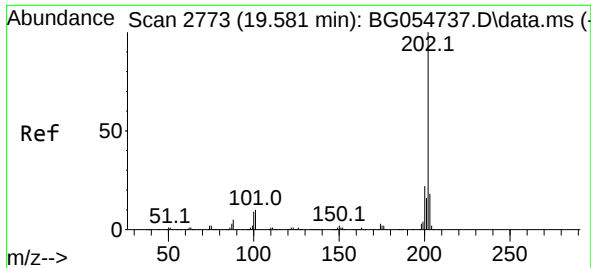
Tgt Ion:188 Resp: 292624
Ion Ratio Lower Upper
188 100
94 8.2 7.0 10.4
80 9.7 7.9 11.9



#71
Phenanthrene
Concen: 2.385 ng
RT: 17.569 min Scan# 2430
Delta R.T. -0.009 min
Lab File: BG054855.D
Acq: 6 Sep 2022 17:10

Tgt Ion:178 Resp: 37181
Ion Ratio Lower Upper
178 100
176 20.7 16.6 25.0
179 17.1 12.8 19.2

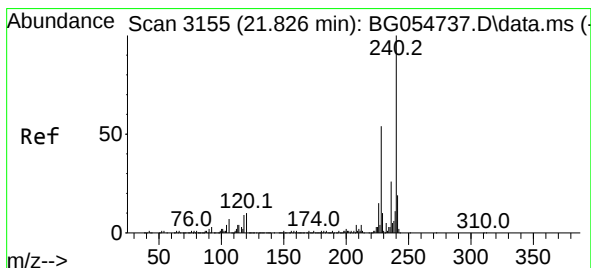
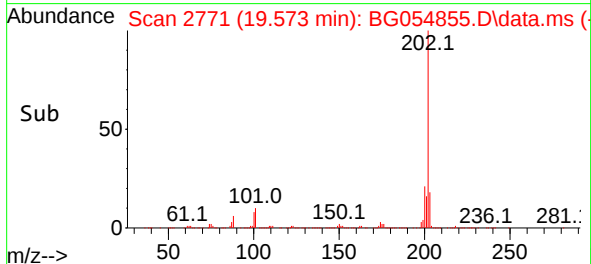
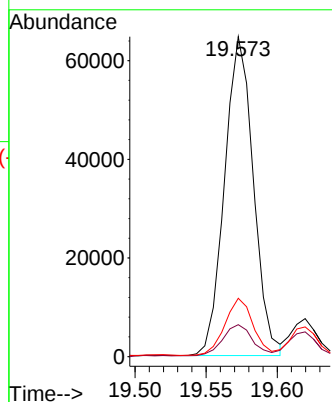
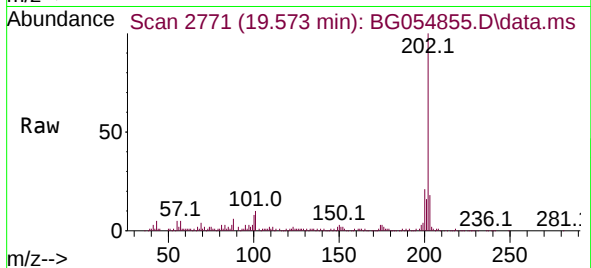




#75
Fluoranthene
Concen: 4.818 ng
RT: 19.573 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG054855.D
Acq: 6 Sep 2022 17:10

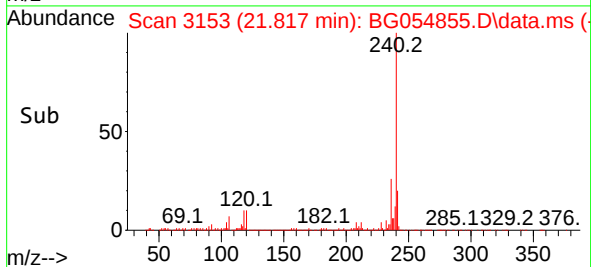
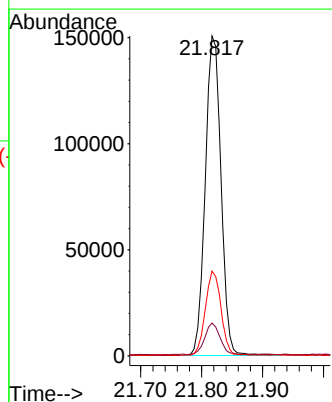
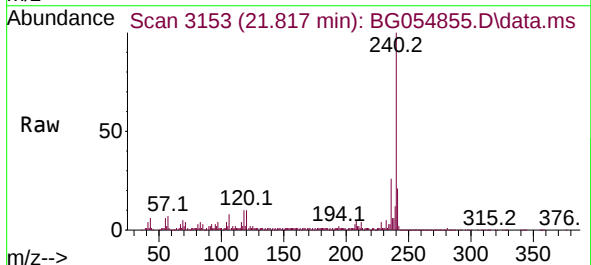
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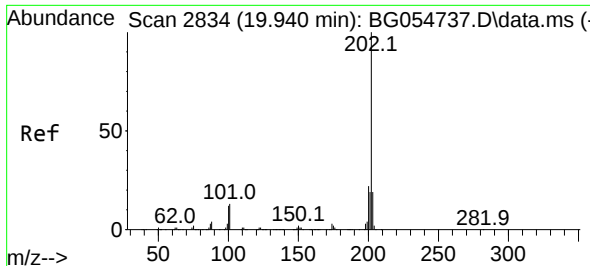
Tgt Ion:202 Resp: 91362
Ion Ratio Lower Upper
202 100
101 10.0 0.0 31.4
203 18.2 0.0 38.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.817 min Scan# 3153
Delta R.T. -0.009 min
Lab File: BG054855.D
Acq: 6 Sep 2022 17:10

Tgt Ion:240 Resp: 270285
Ion Ratio Lower Upper
240 100
120 10.3 8.2 12.4
236 26.5 21.2 31.8

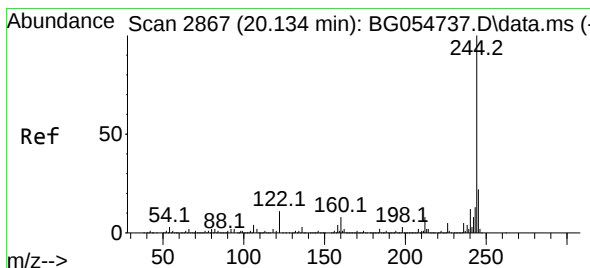
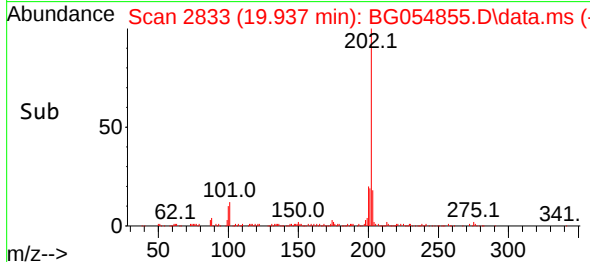
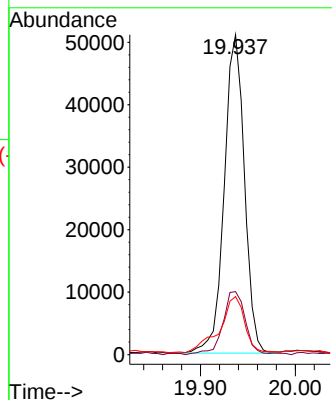
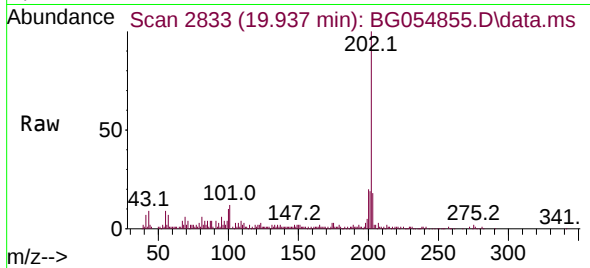




#78
 Pyrene
 Concen: 3.999 ng
 RT: 19.937 min Scan# 2833
 Delta R.T. -0.003 min
 Lab File: BG054855.D
 Acq: 6 Sep 2022 17:10

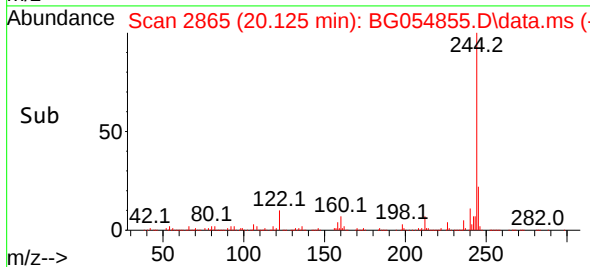
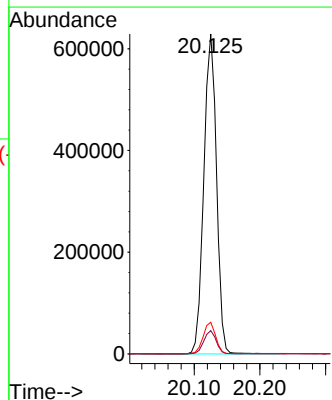
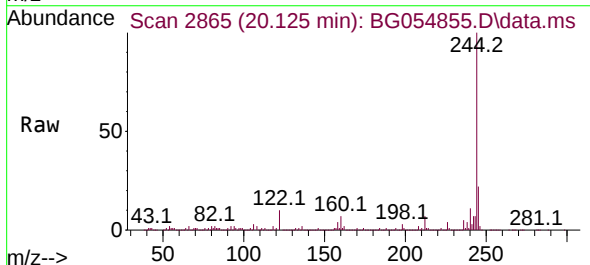
Instrument :
 BNA_G
 ClientSampleId :
 PC-1

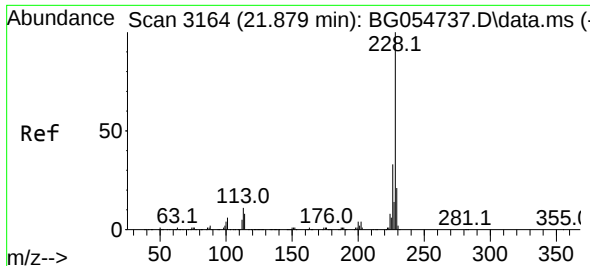
Tgt Ion:202 Resp: 75373
 Ion Ratio Lower Upper
 202 100
 200 19.7 17.8 26.6
 203 18.2 14.6 21.8



#79
 Terphenyl-d14
 Concen: 61.536 ng
 RT: 20.125 min Scan# 2865
 Delta R.T. -0.009 min
 Lab File: BG054855.D
 Acq: 6 Sep 2022 17:10

Tgt Ion:244 Resp: 839423
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.2 9.2
 122 9.9 9.0 13.6

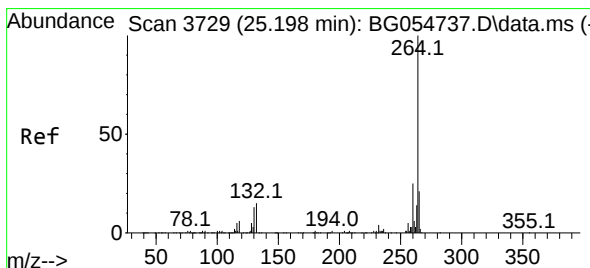
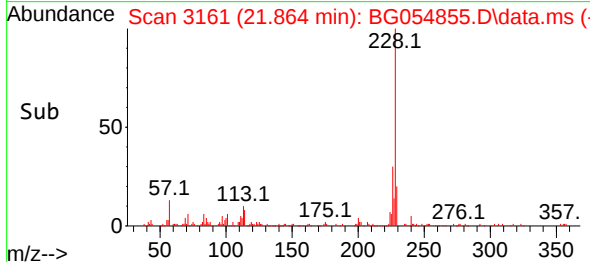
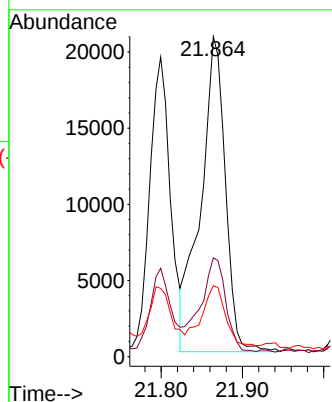
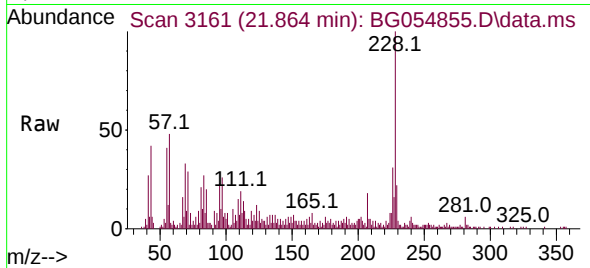




#83
Chrysene
Concen: 2.511 ng
RT: 21.864 min Scan# 3164
Delta R.T. -0.015 min
Lab File: BG054855.D
Acq: 6 Sep 2022 17:10

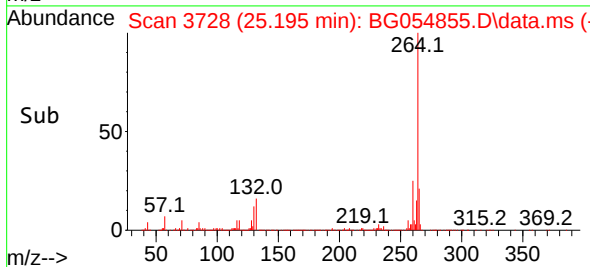
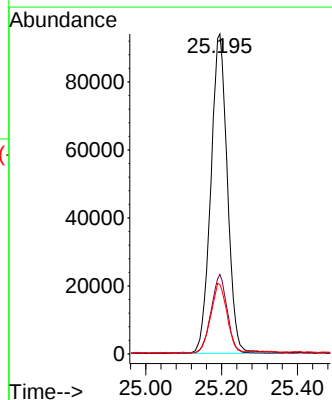
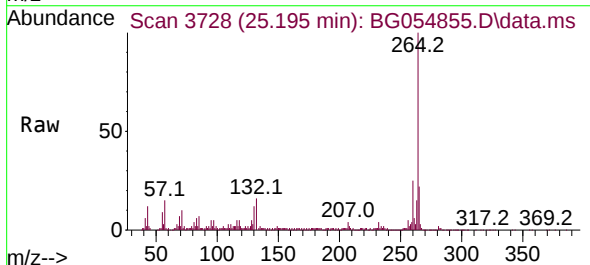
Instrument :
BNA_G
ClientSampleId :
PC-1

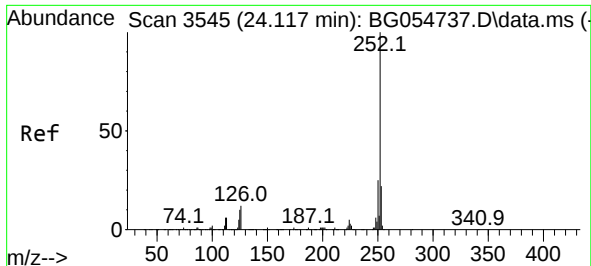
Tgt Ion:228	Resp: 43991
Ion Ratio	Lower Upper
228 100	
226 30.9	25.5 38.3
229 22.2	16.8 25.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.195 min Scan# 3728
Delta R.T. -0.003 min
Lab File: BG054855.D
Acq: 6 Sep 2022 17:10

Tgt Ion:264	Resp: 285302
Ion Ratio	Lower Upper
264 100	
260 24.8	19.9 29.9
265 21.7	16.9 25.3

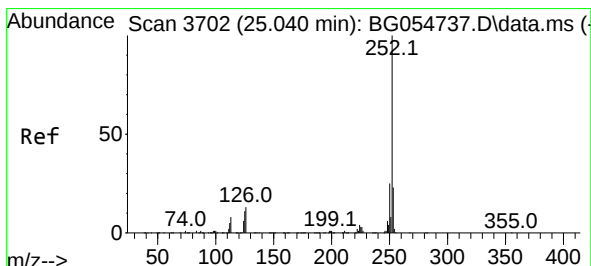
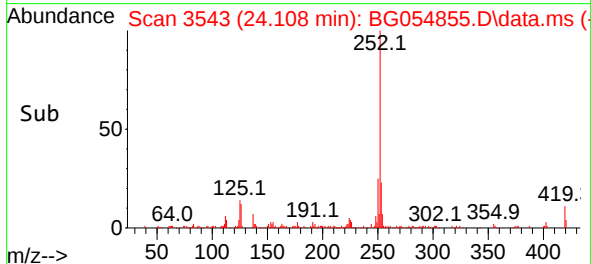
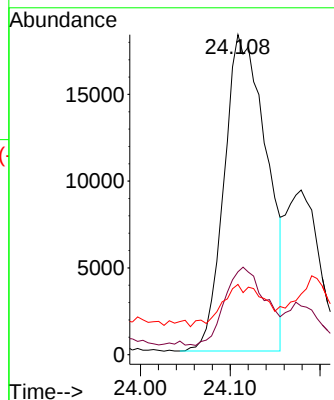
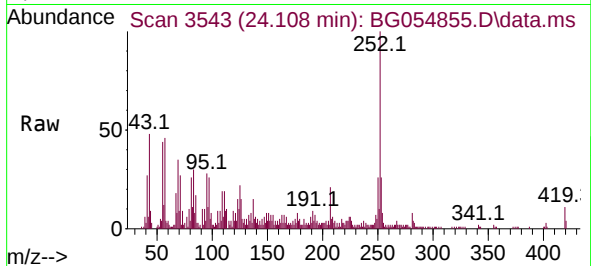




#88
Benzo(b)fluoranthene
Concen: 3.349 ng
RT: 24.108 min Scan# 31
Delta R.T. -0.009 min
Lab File: BG054855.D
Acq: 6 Sep 2022 17:10

Instrument :
BNA_G
ClientSampleId :
PC-1

Tgt Ion:252 Resp: 59930
Ion Ratio Lower Upper
252 100
253 25.9 18.0 27.0
125 21.9 8.1 12.1#



#90
Benzo(a)pyrene
Concen: 2.340 ng
RT: 25.031 min Scan# 3700
Delta R.T. -0.009 min
Lab File: BG054855.D
Acq: 6 Sep 2022 17:10

Tgt Ion:252 Resp: 35786
Ion Ratio Lower Upper
252 100
253 27.8 18.3 27.5#
125 20.1 8.8 13.2#

