

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020723\
 Data File : BG056567.D
 Acq On : 7 Feb 2023 14:37
 Operator : CG/JU
 Sample : 01462-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 COMP-1

Quant Time: Feb 08 03:05:40 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 08 03:02:11 2023
 Response via : Initial Calibration

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

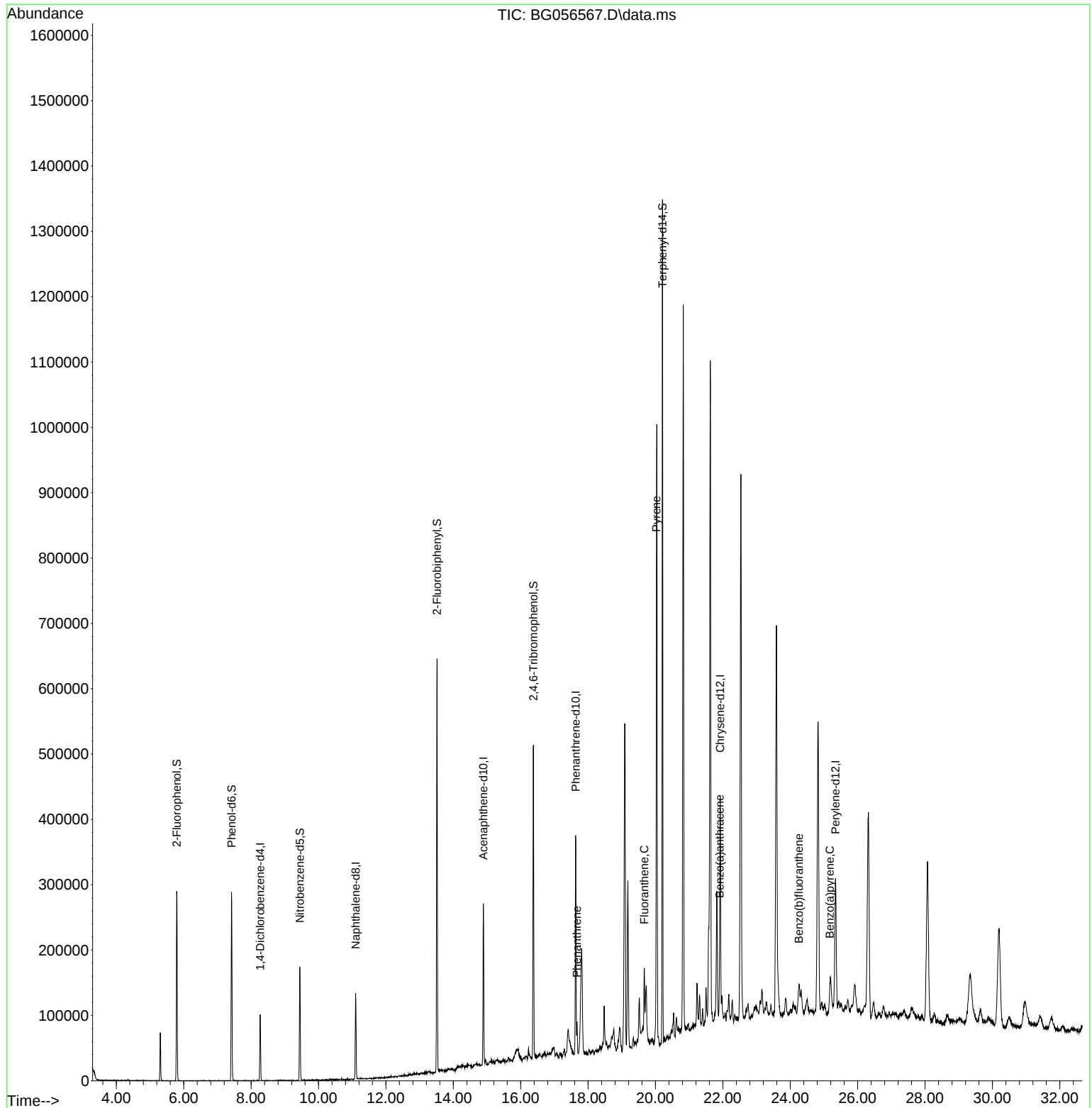
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.270	152	33036	20.000	ng	# 0.00
21) Naphthalene-d8	11.102	136	120570	20.000	ng	0.00
39) Acenaphthene-d10	14.892	164	92238	20.000	ng	0.00
64) Phenanthrene-d10	17.630	188	231157	20.000	ng	# 0.00
76) Chrysene-d12	21.919	240	227537	20.000	ng	0.00
86) Perylene-d12	25.344	264	250143	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.791	112	165918	92.390	ng	0.00
7) Phenol-d6	7.418	99	227909	85.653	ng	0.00
23) Nitrobenzene-d5	9.445	82	119863	56.452	ng	0.00
42) 2,4,6-Tribromophenol	16.378	330	103901	84.731	ng	0.00
45) 2-Fluorobiphenyl	13.517	172	362123	54.431	ng	0.00
79) Terphenyl-d14	20.209	244	693117	53.502	ng	0.00
Target Compounds						
						Qvalue
71) Phenanthrene	17.671	178	31714	2.621	ng	97
75) Fluoranthene	19.668	202	65579	4.295	ng	97
78) Pyrene	20.027	202	58556	3.618	ng	98
81) Benzo(a)anthracene	21.901	228	34151	2.147	ng	96
88) Benzo(b)fluoranthene	24.251	252	41651	2.683	ng	# 92
90) Benzo(a)pyrene	25.174	252	30730	2.009	ng	# 95

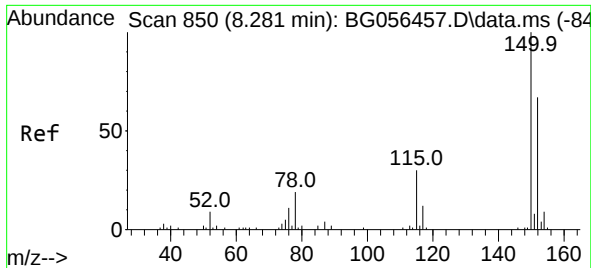
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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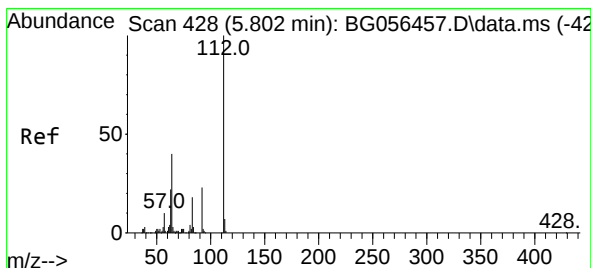
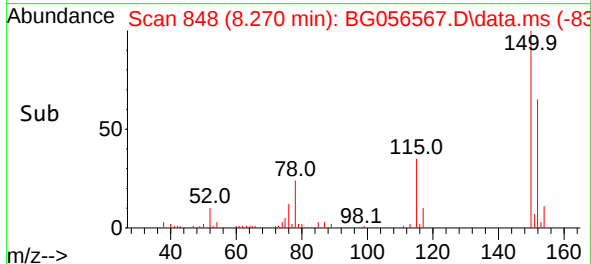
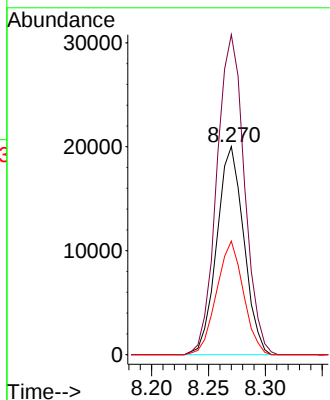
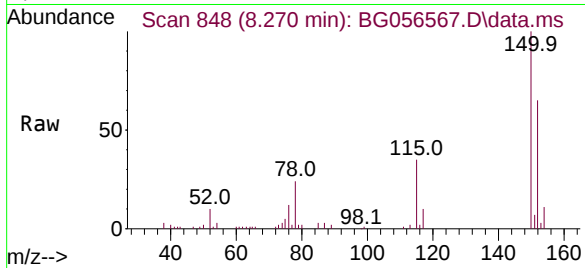




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.270 min Scan# 84
Delta R.T. 0.001 min
Lab File: BG056567.D
Acq: 7 Feb 2023 14:37

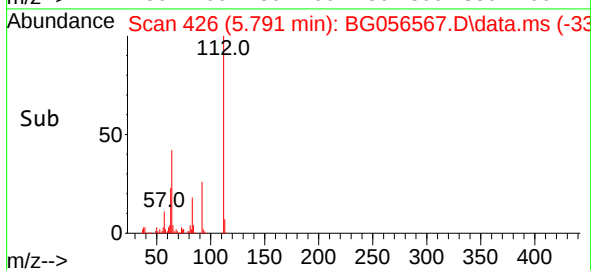
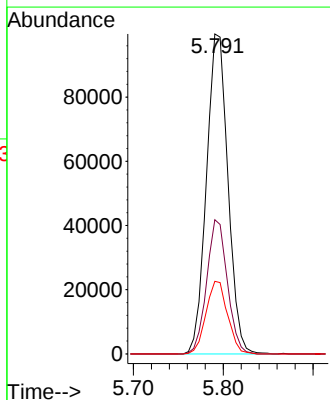
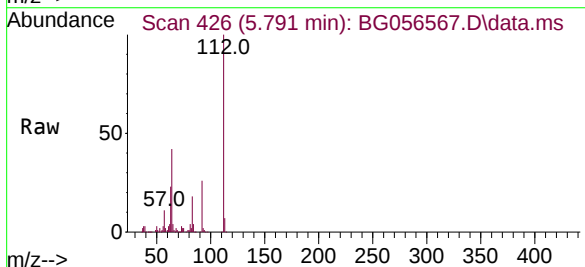
Instrument :
BNA_G
ClientSampleId :
COMP-1

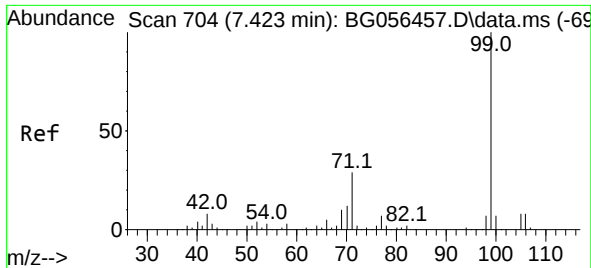
Tgt Ion:152 Resp: 33036
Ion Ratio Lower Upper
152 100
150 153.8 120.2 180.4
115 54.6 36.3 54.5#



#5
2-Fluorophenol
Concen: 92.390 ng
RT: 5.791 min Scan# 426
Delta R.T. 0.001 min
Lab File: BG056567.D
Acq: 7 Feb 2023 14:37

Tgt Ion:112 Resp: 165918
Ion Ratio Lower Upper
112 100
64 41.9 31.9 47.9
63 22.7 17.4 26.0

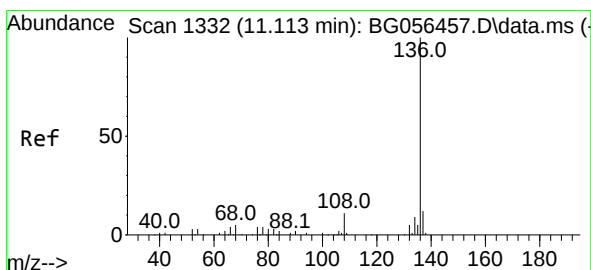
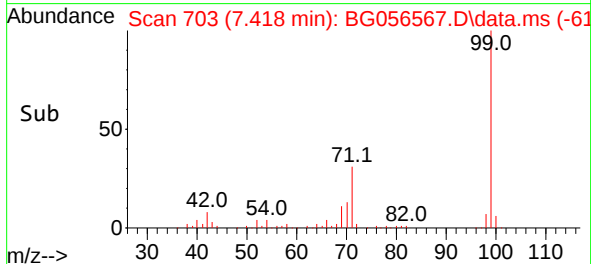
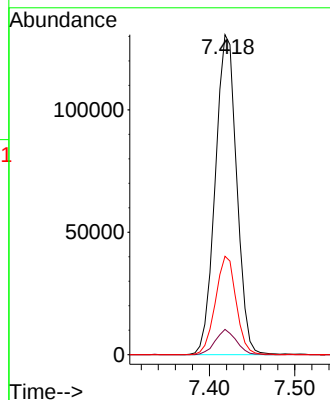
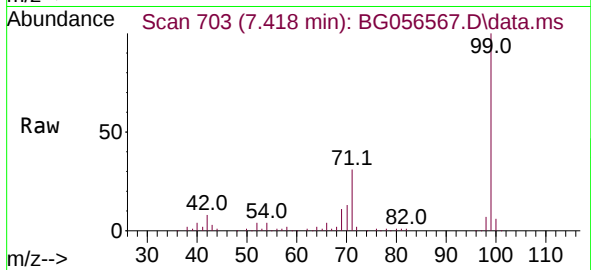




#7
Phenol-d6
Concen: 85.653 ng
RT: 7.418 min Scan# 704
Delta R.T. 0.001 min
Lab File: BG056567.D
Acq: 7 Feb 2023 14:37

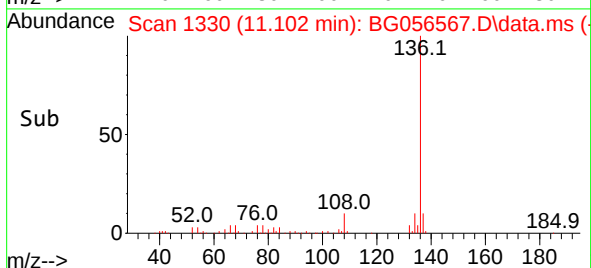
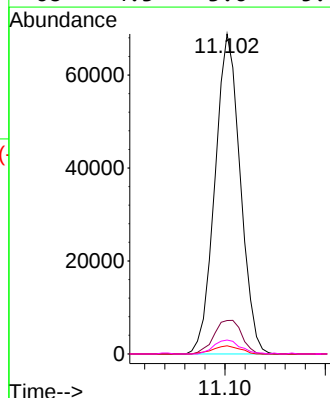
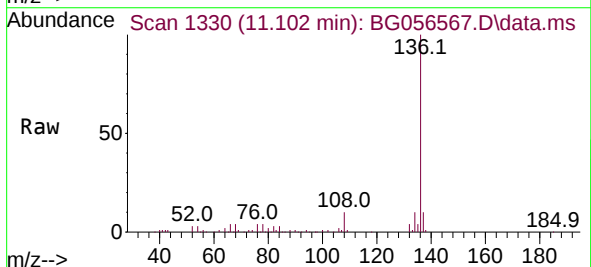
Instrument :
BNA_G
ClientSampleId :
COMP-1

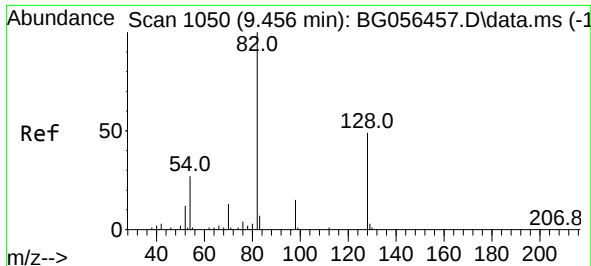
Tgt Ion: 99 Resp: 227909
Ion Ratio Lower Upper
99 100
42 7.9 6.6 10.0
71 30.7 23.4 35.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.102 min Scan# 1330
Delta R.T. 0.001 min
Lab File: BG056567.D
Acq: 7 Feb 2023 14:37

Tgt Ion: 136 Resp: 120570
Ion Ratio Lower Upper
136 100
137 10.4 9.4 14.0
54 2.5 2.2 3.4
68 4.3 3.6 5.4

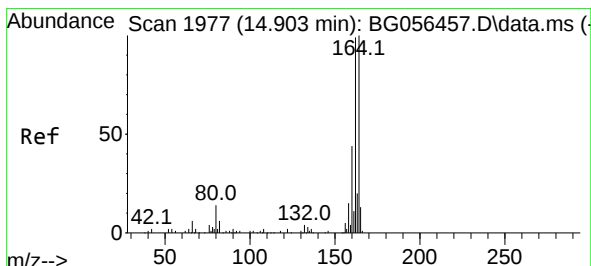
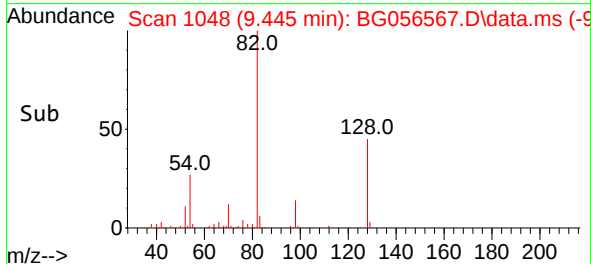
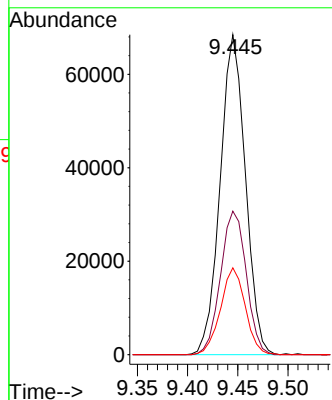
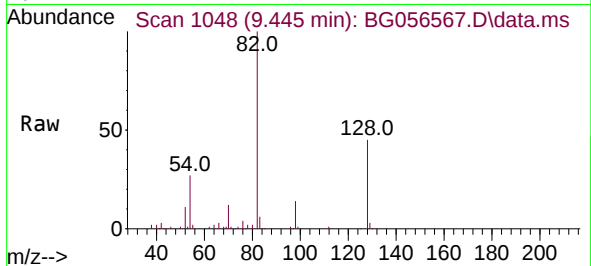




#23
Nitrobenzene-d5
Concen: 56.452 ng
RT: 9.445 min Scan# 1048
Delta R.T. 0.001 min
Lab File: BG056567.D
Acq: 7 Feb 2023 14:37

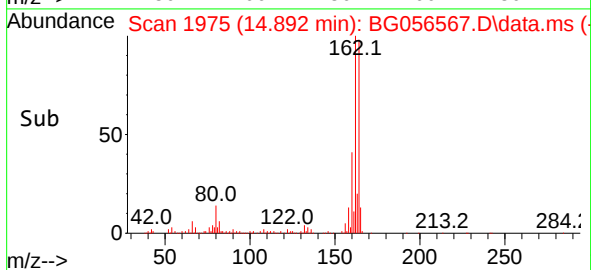
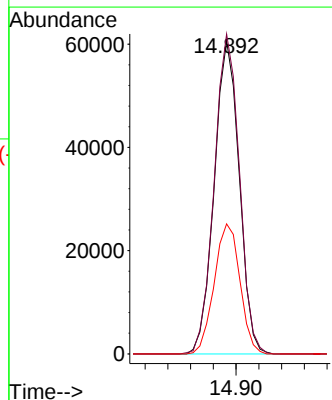
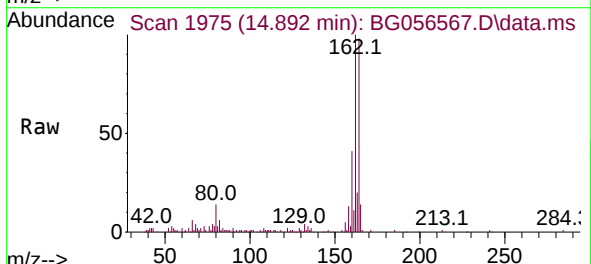
Instrument :
BNA_G
ClientSampleId :
COMP-1

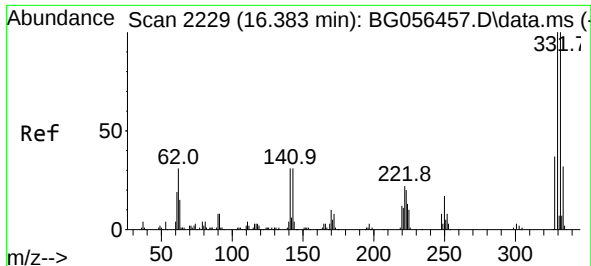
Tgt Ion: 82 Resp: 119863
Ion Ratio Lower Upper
82 100
128 44.8 39.4 59.2
54 27.1 21.4 32.2



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.892 min Scan# 1975
Delta R.T. 0.001 min
Lab File: BG056567.D
Acq: 7 Feb 2023 14:37

Tgt Ion: 164 Resp: 92238
Ion Ratio Lower Upper
164 100
162 102.3 79.6 119.4
160 41.6 34.9 52.3

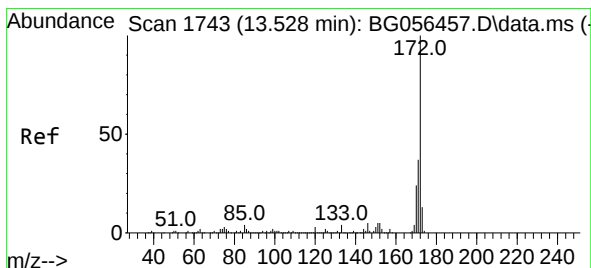
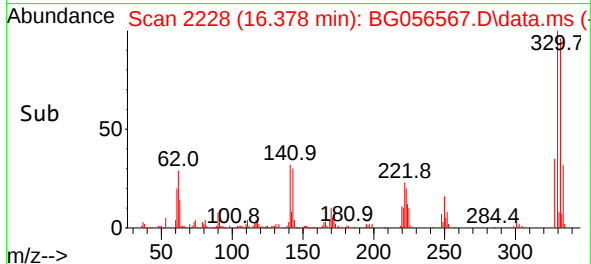
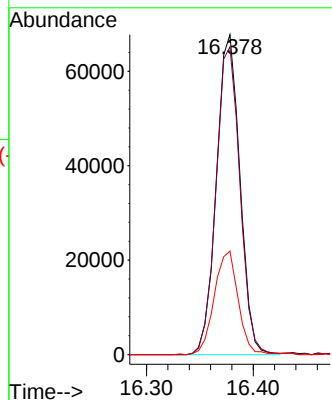
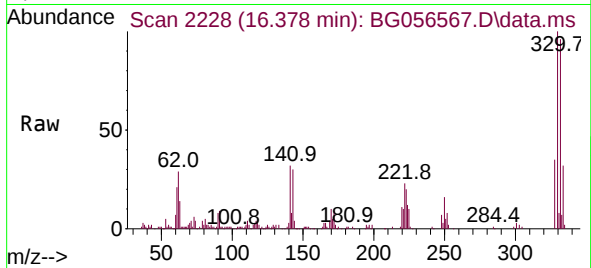




#42
2,4,6-Tribromophenol
Concen: 84.731 ng
RT: 16.378 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG056567.D
Acq: 7 Feb 2023 14:37

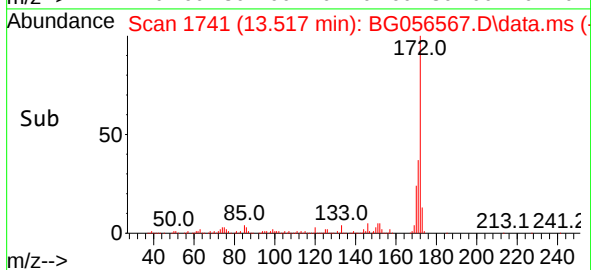
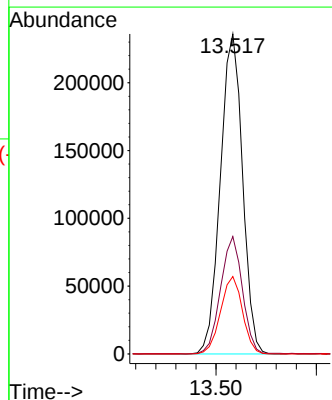
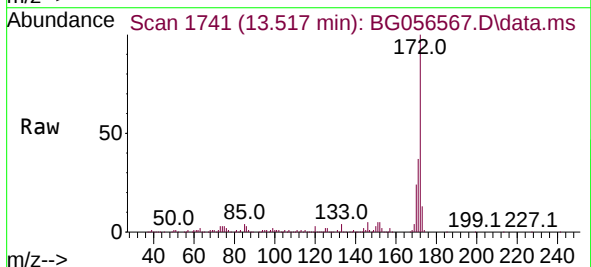
Instrument :
BNA_G
ClientSampleId :
COMP-1

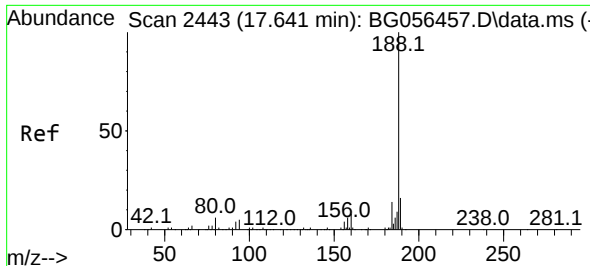
Tgt Ion:330 Resp: 103901
Ion Ratio Lower Upper
330 100
332 97.7 79.0 118.6
141 33.0 24.2 36.4



#45
2-Fluorobiphenyl
Concen: 54.431 ng
RT: 13.517 min Scan# 1741
Delta R.T. 0.001 min
Lab File: BG056567.D
Acq: 7 Feb 2023 14:37

Tgt Ion:172 Resp: 362123
Ion Ratio Lower Upper
172 100
171 36.7 29.5 44.3
170 24.2 19.2 28.8

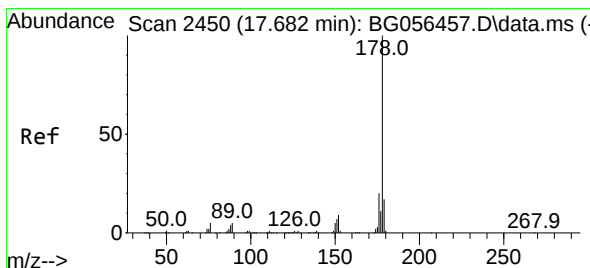
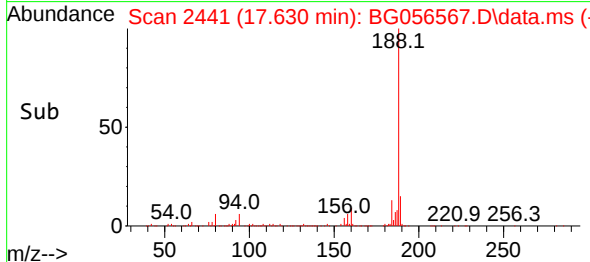
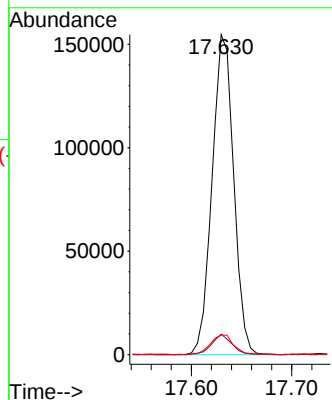
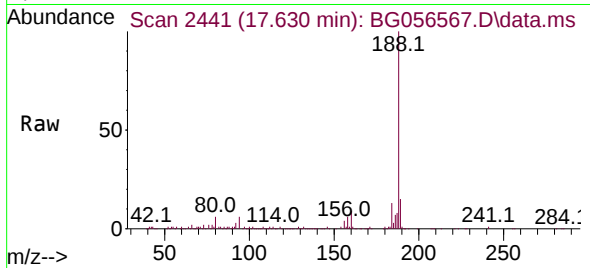




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.630 min Scan# 2441
Delta R.T. 0.001 min
Lab File: BG056567.D
Acq: 7 Feb 2023 14:37

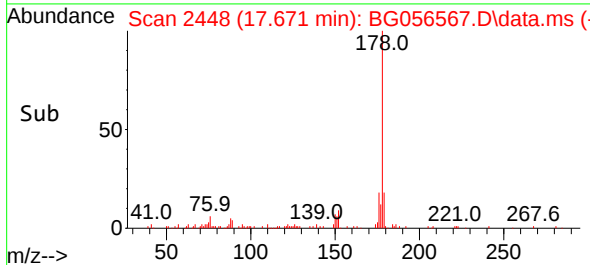
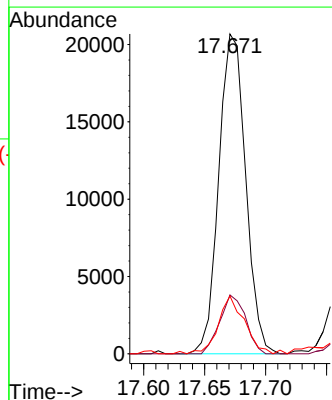
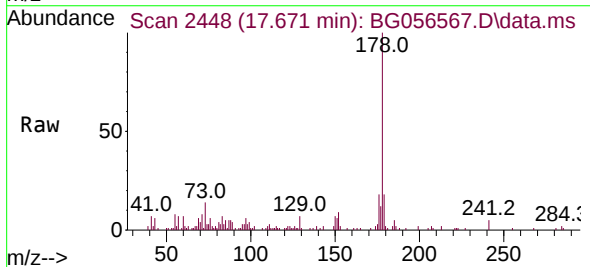
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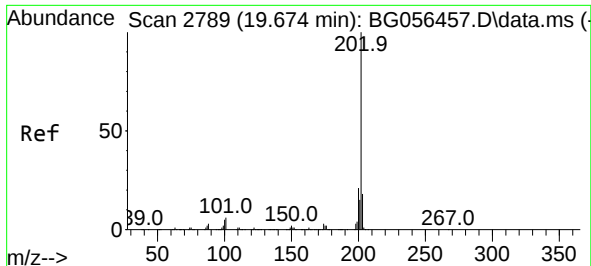
Tgt Ion:188 Resp: 231157
Ion Ratio Lower Upper
188 100
94 6.4 4.1 6.1#
80 6.1 5.0 7.4



#71
Phenanthrene
Concen: 2.621 ng
RT: 17.671 min Scan# 2448
Delta R.T. 0.001 min
Lab File: BG056567.D
Acq: 7 Feb 2023 14:37

Tgt Ion:178 Resp: 31714
Ion Ratio Lower Upper
178 100
176 18.4 15.6 23.4
179 18.1 13.3 19.9

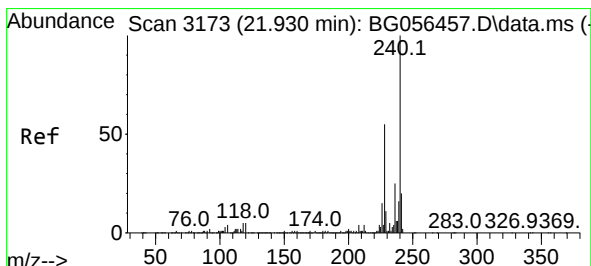
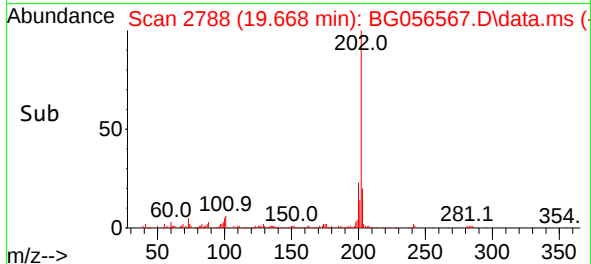
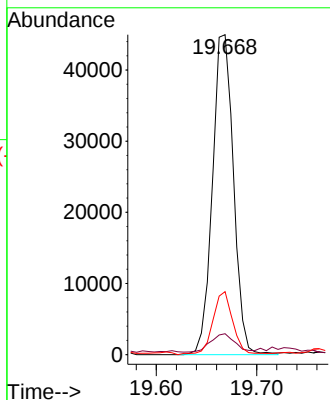
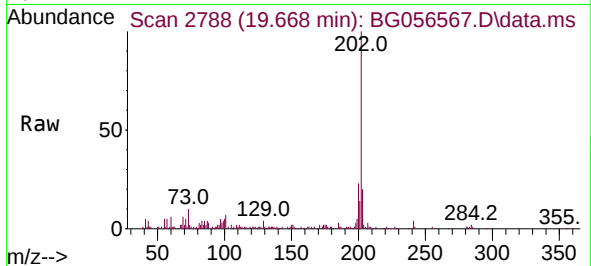




#75
Fluoranthene
Concen: 4.295 ng
RT: 19.668 min Scan# 21
Delta R.T. 0.001 min
Lab File: BG056567.D
Acq: 7 Feb 2023 14:37

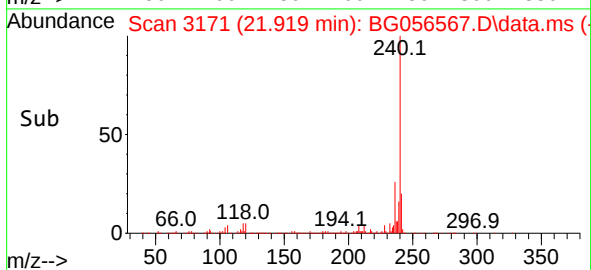
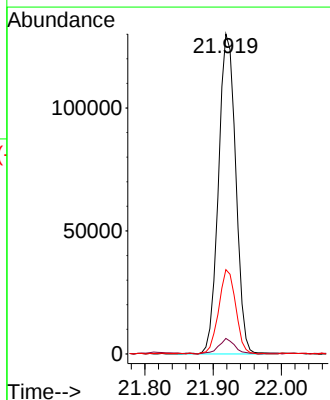
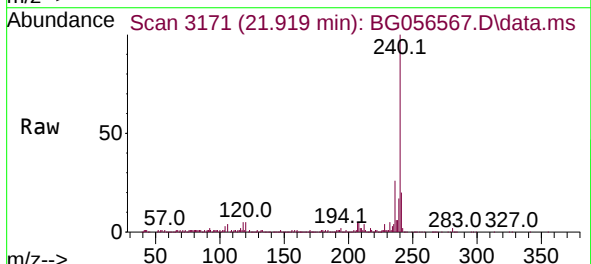
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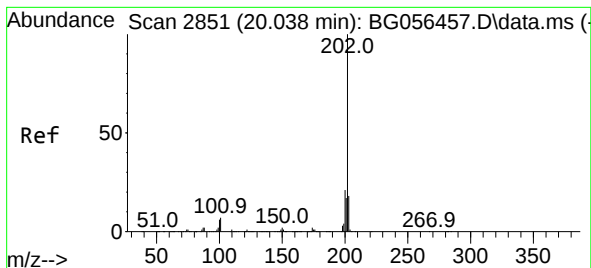
Tgt Ion:202 Resp: 65579
Ion Ratio Lower Upper
202 100
101 6.5 0.0 25.6
203 19.7 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.919 min Scan# 3171
Delta R.T. -0.005 min
Lab File: BG056567.D
Acq: 7 Feb 2023 14:37

Tgt Ion:240 Resp: 227537
Ion Ratio Lower Upper
240 100
120 4.8 3.8 5.8
236 26.3 20.2 30.2





#78

Pyrene

Concen: 3.618 ng

RT: 20.027 min Scan# 2849

Delta R.T. 0.001 min

Lab File: BG056567.D

Acq: 7 Feb 2023 14:37

Instrument :

BNA_G

ClientSampleId :

COMP-1

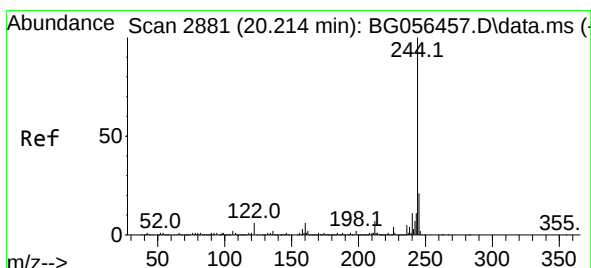
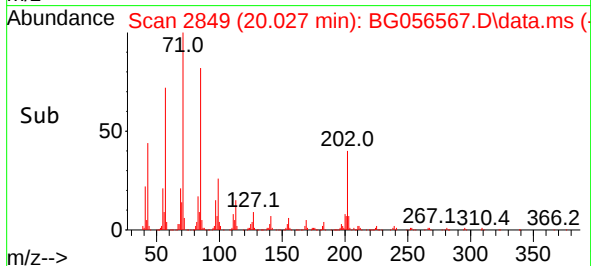
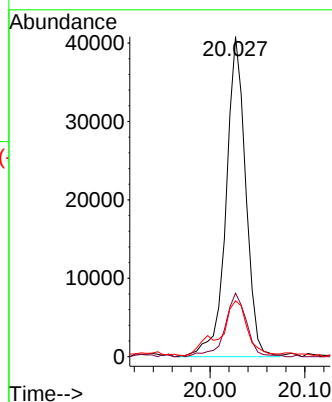
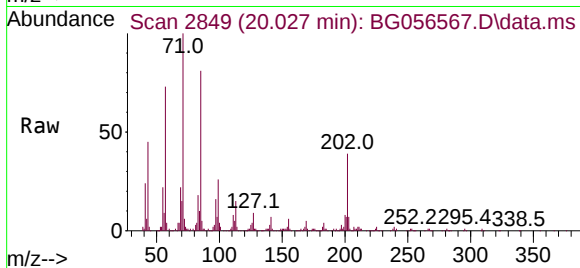
Tgt Ion:202 Resp: 58556

Ion Ratio Lower Upper

202 100

200 19.8 16.7 25.1

203 17.5 14.4 21.6



#79

Terphenyl-d14

Concen: 53.502 ng

RT: 20.209 min Scan# 2880

Delta R.T. 0.001 min

Lab File: BG056567.D

Acq: 7 Feb 2023 14:37

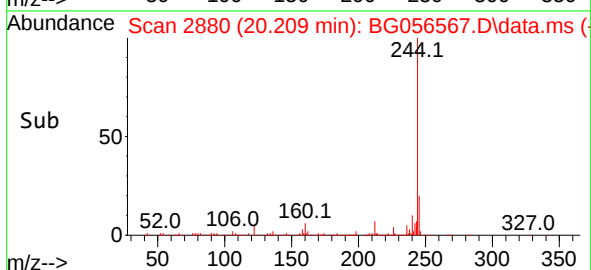
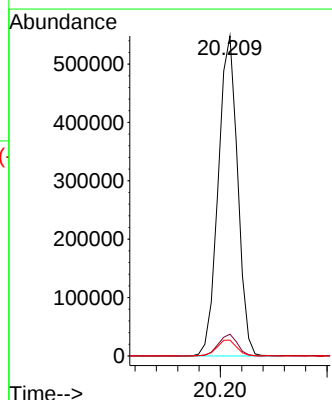
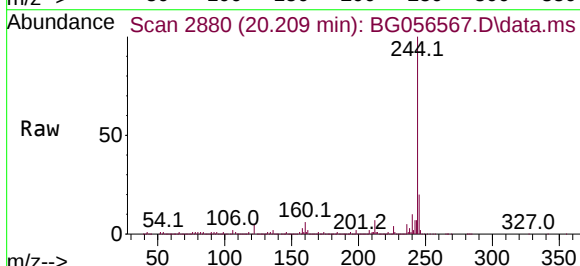
Tgt Ion:244 Resp: 693117

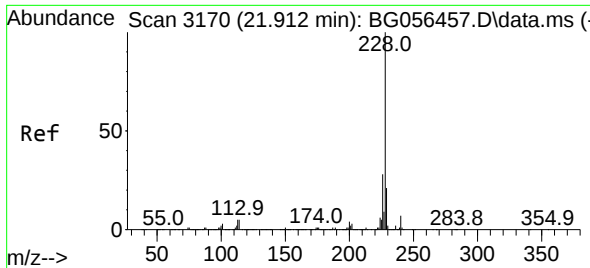
Ion Ratio Lower Upper

244 100

212 6.8 5.5 8.3

122 4.9 4.4 6.6

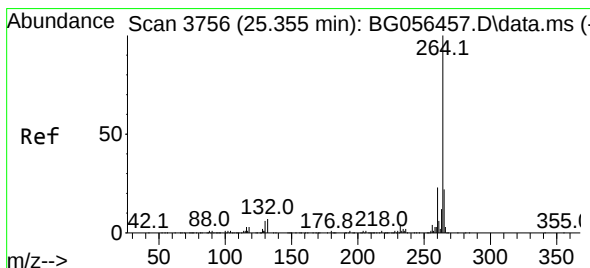
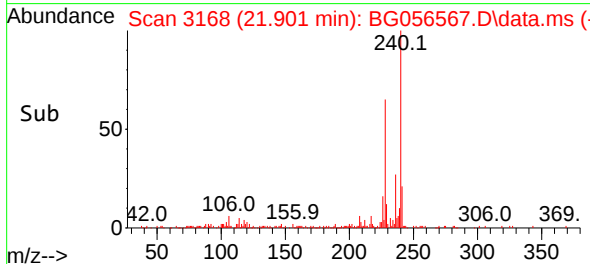
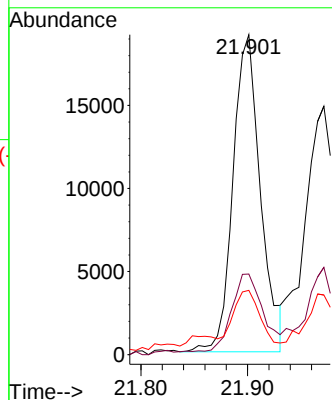
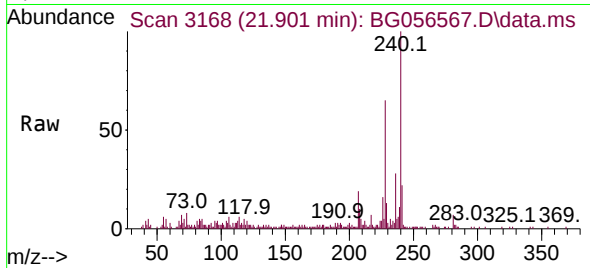




#81
Benzo(a)anthracene
Concen: 2.147 ng
RT: 21.901 min Scan# 3170
Delta R.T. 0.001 min
Lab File: BG056567.D
Acq: 7 Feb 2023 14:37

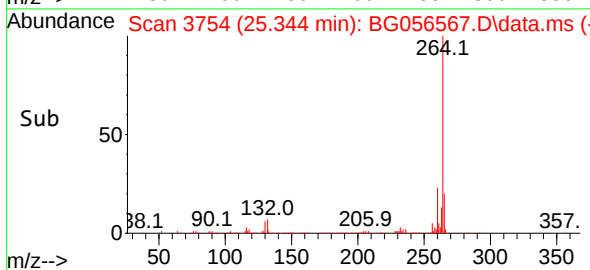
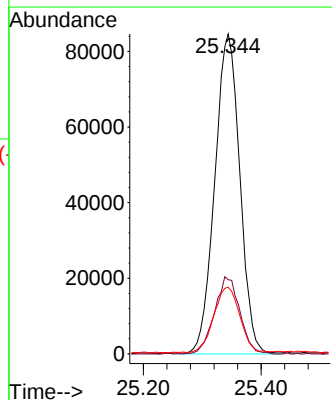
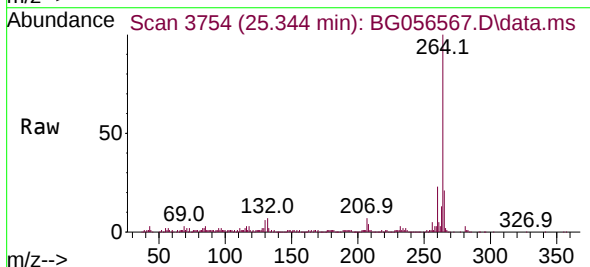
Instrument :
BNA_G
ClientSampleId :
COMP-1

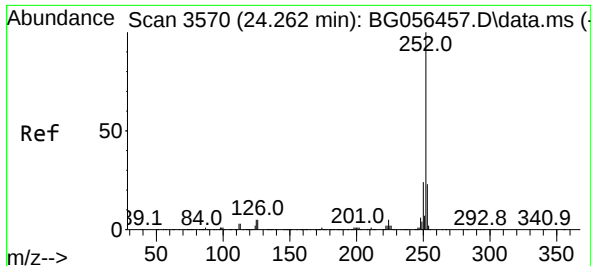
Tgt Ion:228 Resp: 34151
Ion Ratio Lower Upper
228 100
226 25.2 22.4 33.6
229 20.1 16.5 24.7



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.344 min Scan# 3754
Delta R.T. 0.006 min
Lab File: BG056567.D
Acq: 7 Feb 2023 14:37

Tgt Ion:264 Resp: 250143
Ion Ratio Lower Upper
264 100
260 23.2 18.2 27.4
265 20.8 18.1 27.1

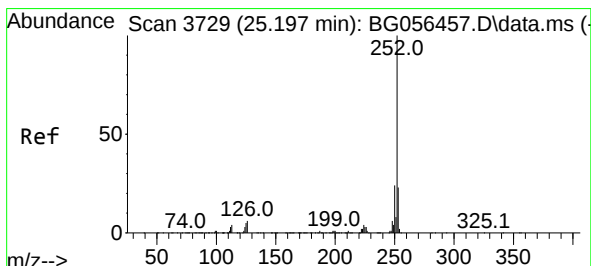
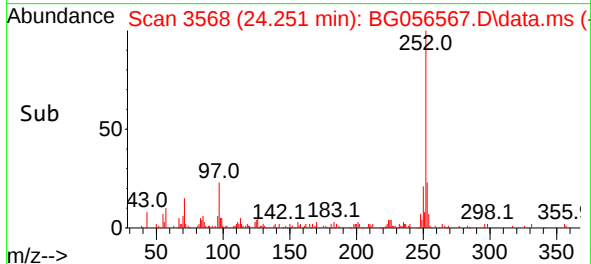
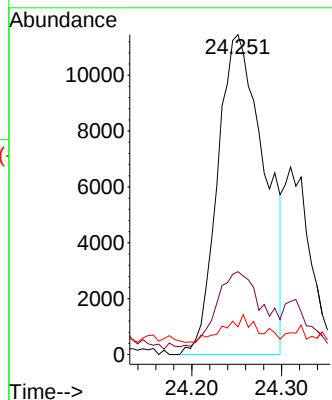
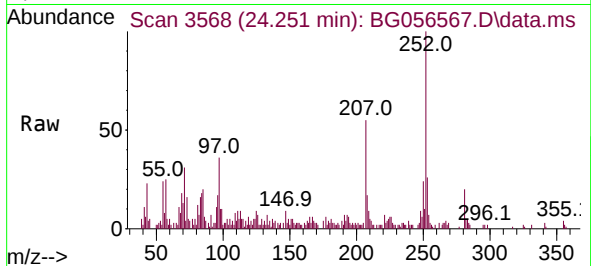




#88
Benzo(b)fluoranthene
Concen: 2.683 ng
RT: 24.251 min Scan# 31
Delta R.T. 0.001 min
Lab File: BG056567.D
Acq: 7 Feb 2023 14:37

Instrument :
BNA_G
ClientSampleId :
COMP-1

Tgt Ion:252 Resp: 41651
Ion Ratio Lower Upper
252 100
253 25.9 18.1 27.1
125 8.7 3.9 5.9#



#90
Benzo(a)pyrene
Concen: 2.009 ng
RT: 25.174 min Scan# 3725
Delta R.T. -0.005 min
Lab File: BG056567.D
Acq: 7 Feb 2023 14:37

Tgt Ion:252 Resp: 30730
Ion Ratio Lower Upper
252 100
253 22.4 18.4 27.6
125 12.9 4.1 6.1#

