

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083122\
 Data File : BG054808.D
 Acq On : 31 Aug 2022 16:00
 Operator : CG/JU
 Sample : N4433-04
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 EP-BLIND-DUPLICATE

Quant Time: Sep 01 05:03:21 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)

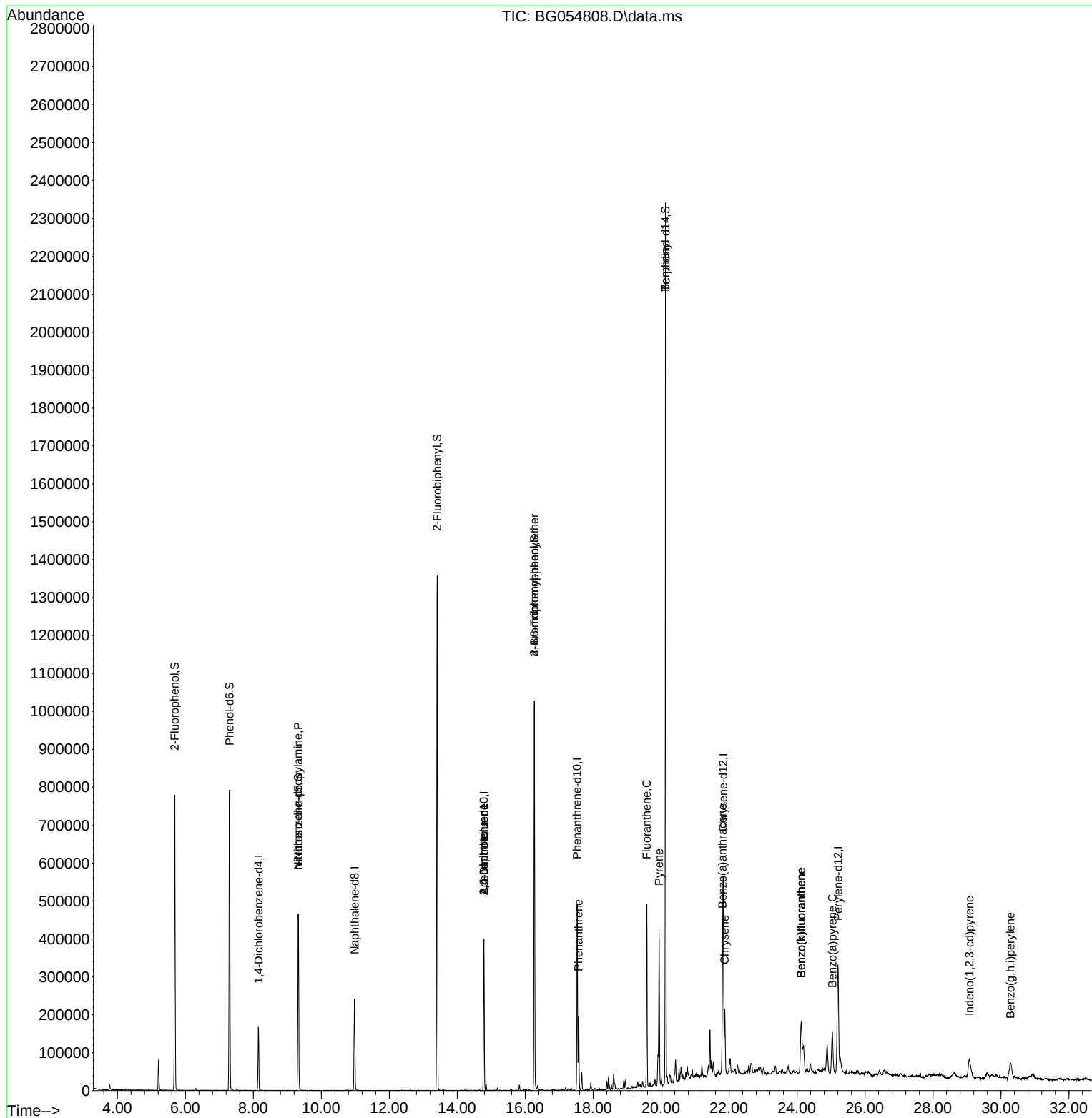
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.153	152	51795	20.000	ng	0.00
21) Naphthalene-d8	10.979	136	219422	20.000	ng	0.00
39) Acenaphthene-d10	14.786	164	148353	20.000	ng	0.00
64) Phenanthrene-d10	17.530	188	321551	20.000	ng	0.00
76) Chrysene-d12	21.825	240	298863	20.000	ng	0.00
86) Perylene-d12	25.203	264	315381	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	365459	122.868	ng	0.00
7) Phenol-d6	7.301	99	500674	123.084	ng	0.00
23) Nitrobenzene-d5	9.322	82	298062	71.311	ng	0.00
42) 2,4,6-Tribromophenol	16.272	330	222825	120.201	ng	0.00
45) 2-Fluorobiphenyl	13.411	172	738849	74.855	ng	0.00
79) Terphenyl-d14	20.133	244	1155170	76.585	ng	0.00
Target Compounds						Qvalue
19) n-Nitroso-di-n-propyla...	9.322	70	38104	13.622	ng	# 80
51) 2,6-Dinitrotoluene	14.786	165	19300	8.256	ng	# 21
57) 2,4-Dinitrotoluene	14.786	165	19300	5.969	ng	# 19
67) 4-Bromophenyl-phenylether	16.272	248	14687	4.160	ng	# 1
71) Phenanthrene	17.571	178	131341	7.668	ng	98
75) Fluoranthene	19.580	202	310629	14.907	ng	97
77) Benzidine	20.133	184	17542	2.370	ng	# 89
78) Pyrene	19.939	202	274107	13.153	ng	98
81) Benzo(a)anthracene	21.807	228	143341	7.074	ng	99
83) Chrysene	21.872	228	127898	6.601	ng	97
87) Indeno(1,2,3-cd)pyrene	29.069	276	90155	3.765	ng	97
88) Benzo(b)fluoranthene	24.122	252	178702	9.033	ng	97
89) Benzo(k)fluoranthene	24.122	252	178702	8.975	ng	96
90) Benzo(a)pyrene	25.039	252	126872	7.506	ng	98
92) Benzo(g,h,i)perylene	30.280	276	93714	4.756	ng	97

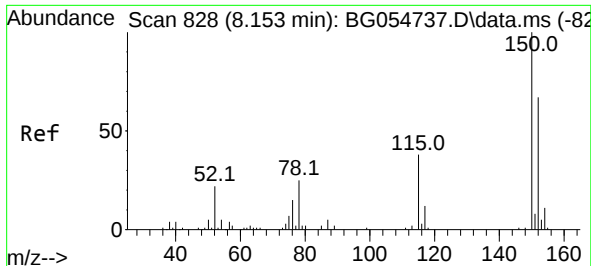
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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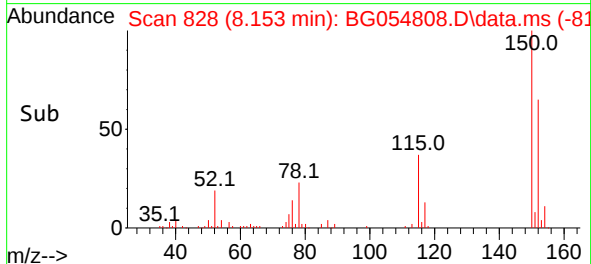
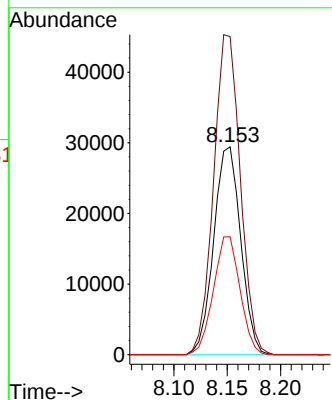
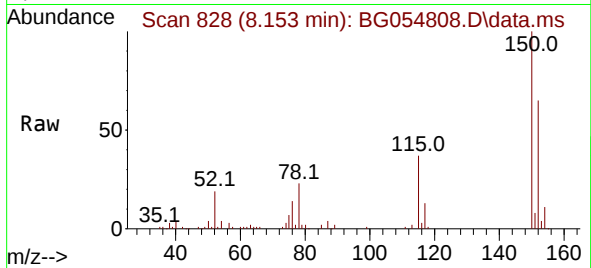




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.153 min Scan# 81
Delta R.T. -0.000 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

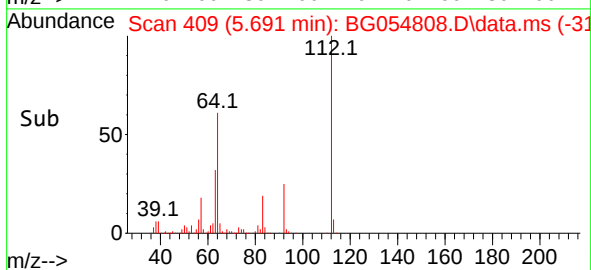
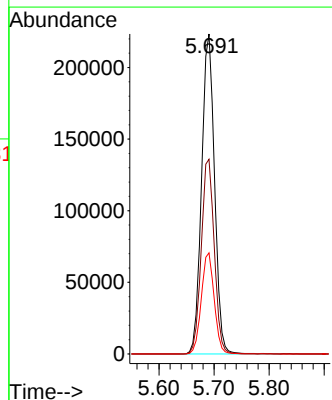
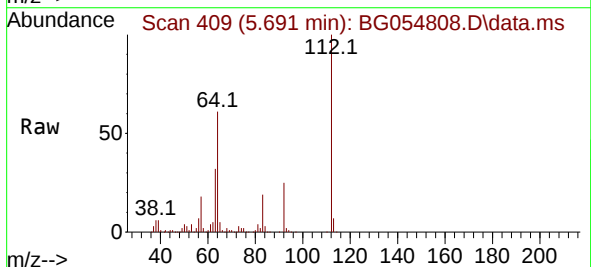
Instrument :
BNA_G
ClientSampleId :
EP-BLIND-DUPLICATE

Tgt Ion:152 Resp: 51795
Ion Ratio Lower Upper
152 100
150 153.0 125.2 187.8
115 56.7 47.9 71.9



#5
2-Fluorophenol
Concen: 122.868 ng
RT: 5.691 min Scan# 409
Delta R.T. 0.005 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

Tgt Ion:112 Resp: 365459
Ion Ratio Lower Upper
112 100
64 60.9 49.3 73.9
63 31.6 26.3 39.5

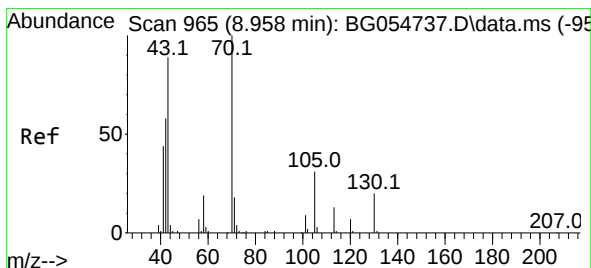
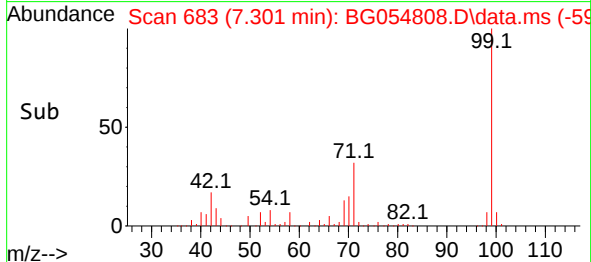
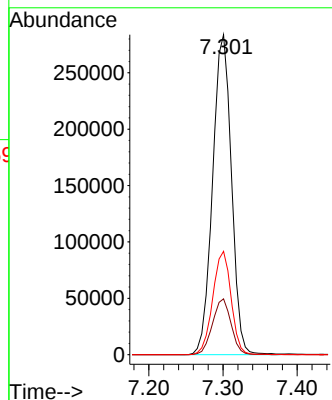
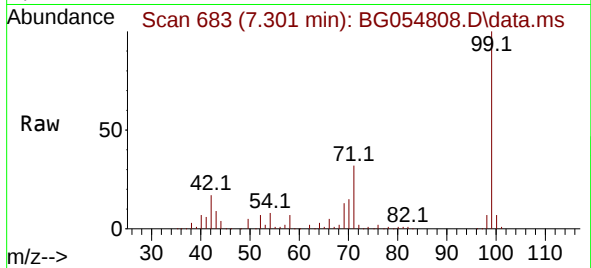




#7
Phenol-d6
Concen: 123.084 ng
RT: 7.301 min Scan# 61
Delta R.T. 0.005 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

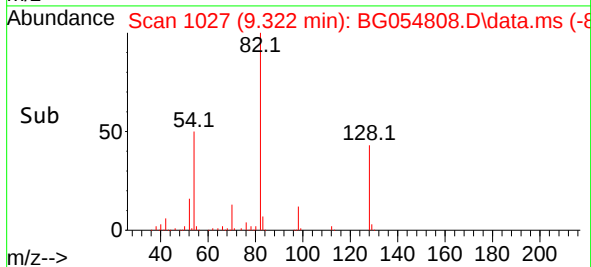
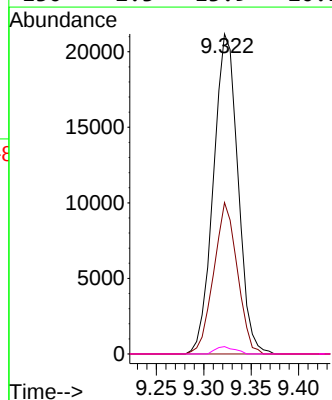
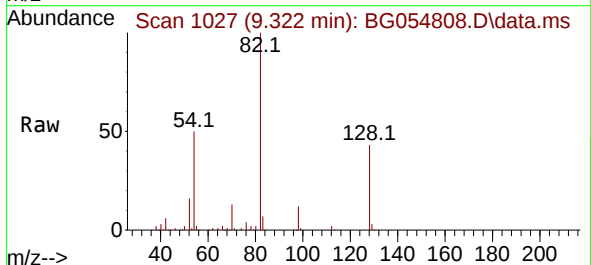
Instrument :
BNA_G
ClientSampleId :
EP-BLIND-DUPLICATE

Tgt Ion: 99 Resp: 500674
Ion Ratio Lower Upper
99 100
42 17.5 14.6 22.0
71 32.3 24.6 37.0



#19
n-Nitroso-di-n-propylamine
Concen: 13.622 ng
RT: 9.322 min Scan# 1027
Delta R.T. 0.363 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

Tgt Ion: 70 Resp: 38104
Ion Ratio Lower Upper
70 100
42 47.3 46.6 69.8
101 0.0 7.7 11.5#
130 2.3 13.9 20.9#

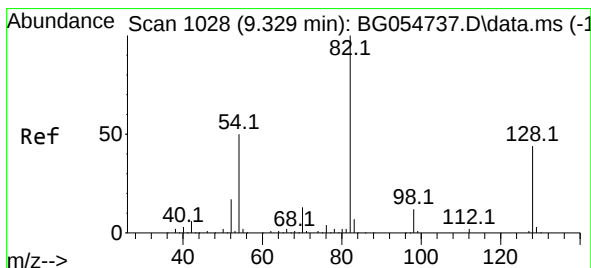
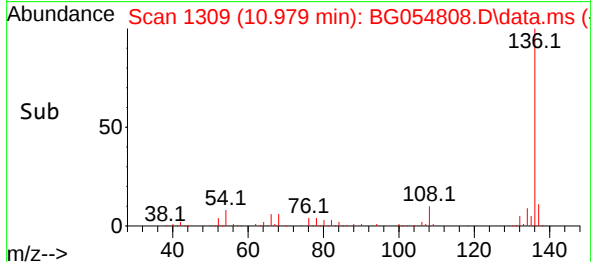
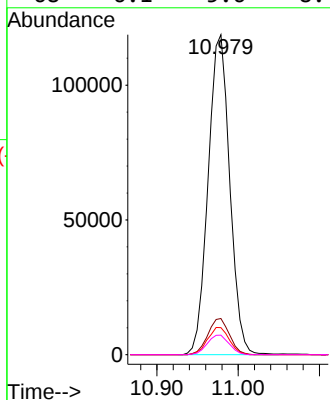
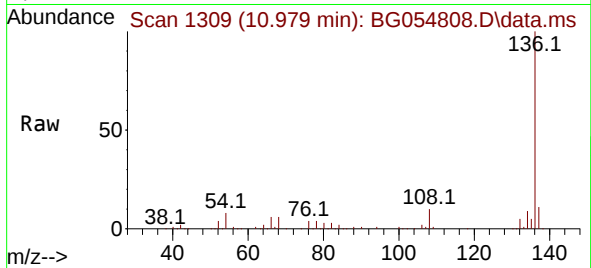




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.979 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

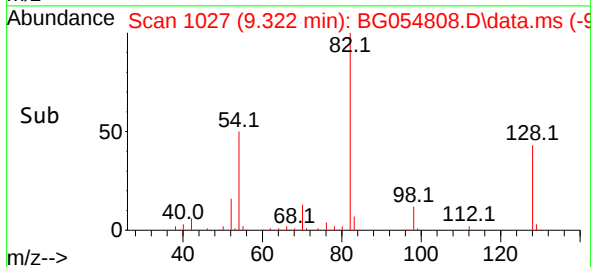
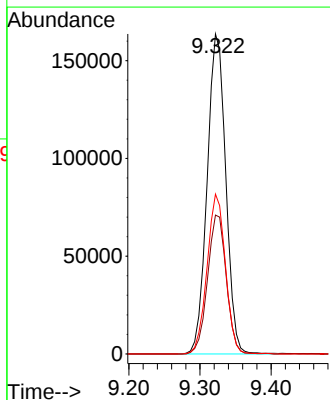
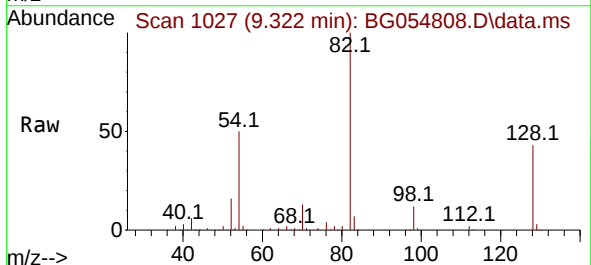
Instrument :
BNA_G
ClientSampleId :
EP-BLIND-DUPLICATE

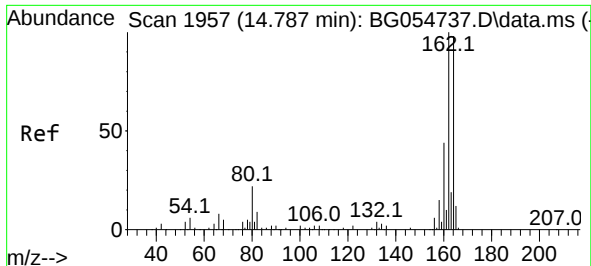
Tgt Ion:	136	Resp:	219422
Ion	Ratio	Lower	Upper
136	100		
137	11.3	9.2	13.8
54	8.4	7.7	11.5
68	6.1	5.6	8.4



#23
Nitrobenzene-d5
Concen: 71.311 ng
RT: 9.322 min Scan# 1027
Delta R.T. -0.007 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

Tgt Ion:	82	Resp:	298062
Ion	Ratio	Lower	Upper
82	100		
128	43.4	32.2	48.2
54	49.9	41.4	62.0

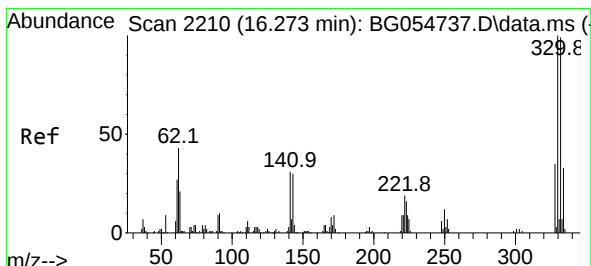
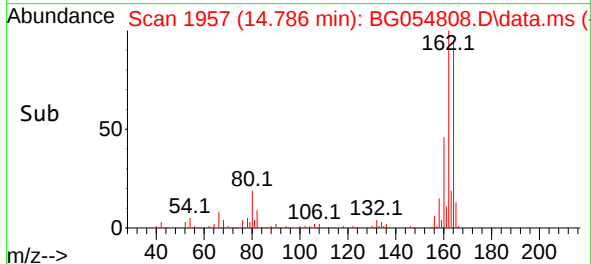
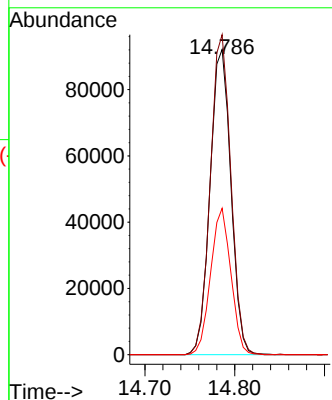
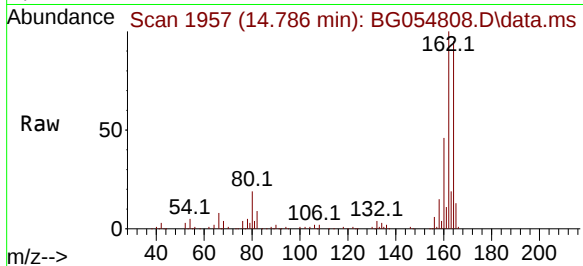




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.786 min Scan# 1957
Delta R.T. -0.001 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

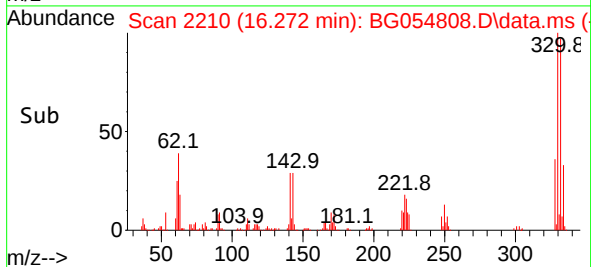
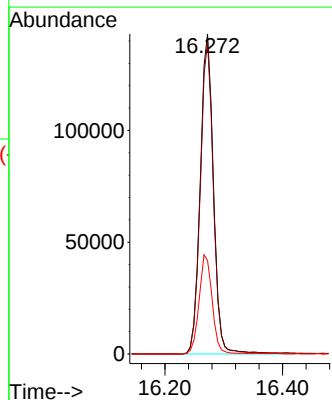
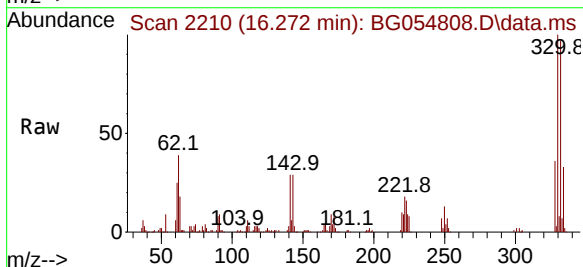
Instrument :
BNA_G
ClientSampleId :
EP-BLIND-DUPLICATE

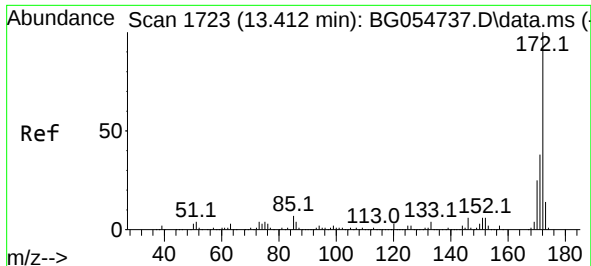
Tgt Ion:164 Resp: 148353
Ion Ratio Lower Upper
164 100
162 104.8 83.0 124.4
160 47.9 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 120.201 ng
RT: 16.272 min Scan# 2210
Delta R.T. -0.001 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

Tgt Ion:330 Resp: 222825
Ion Ratio Lower Upper
330 100
332 96.8 79.8 119.6
141 30.9 26.8 40.2

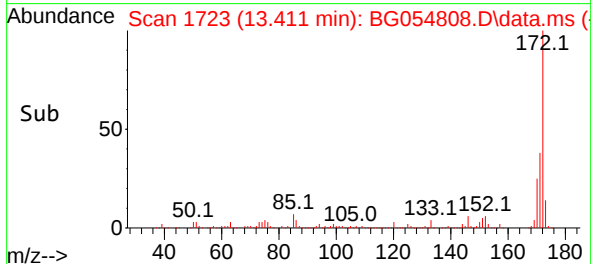
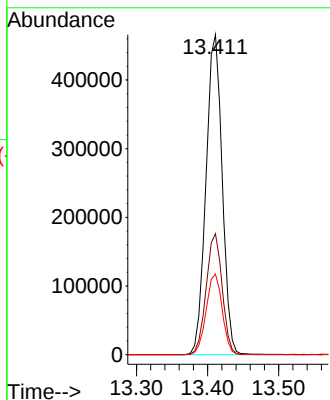
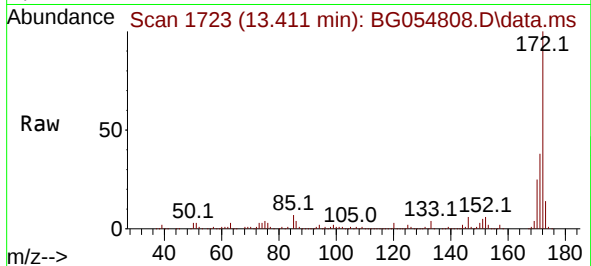




#45
2-Fluorobiphenyl
Concen: 74.855 ng
RT: 13.411 min Scan# 1
Delta R.T. -0.001 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

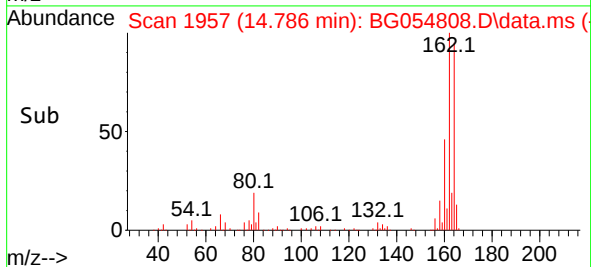
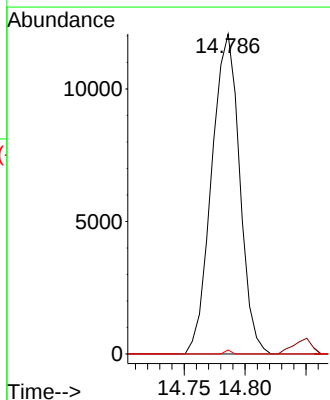
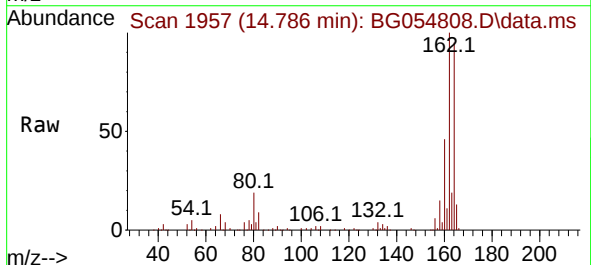
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ClientSampleId :
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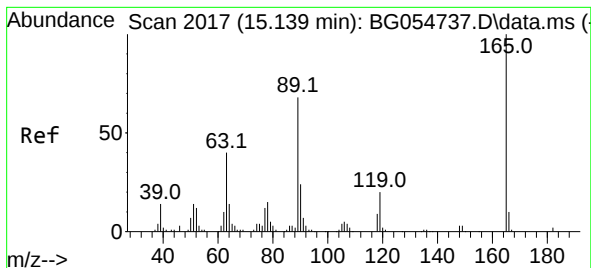
Tgt Ion:172 Resp: 738849
Ion Ratio Lower Upper
172 100
171 37.8 31.2 46.8
170 25.2 20.6 30.8



#51
2,6-Dinitrotoluene
Concen: 8.256 ng
RT: 14.786 min Scan# 1957
Delta R.T. 0.428 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

Tgt Ion:165 Resp: 19300
Ion Ratio Lower Upper
165 100
63 0.0 46.0 69.0#
89 1.3 50.3 75.5#

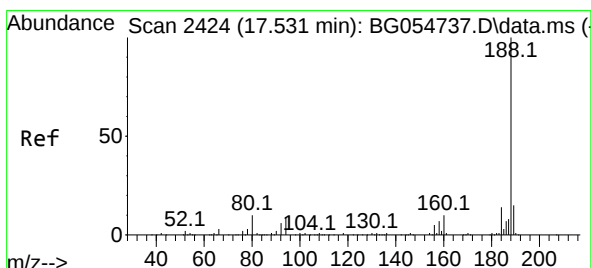
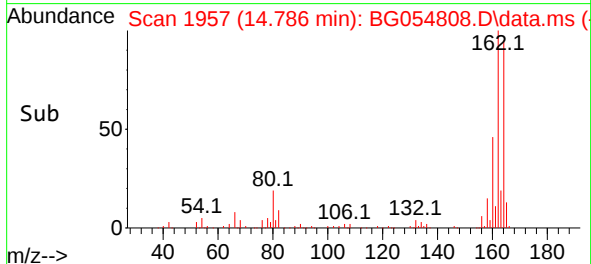
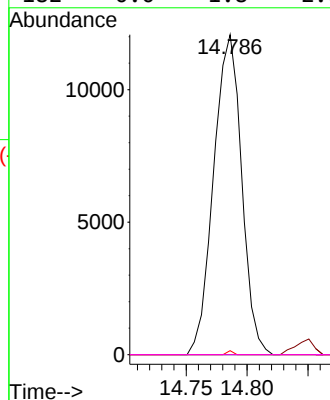
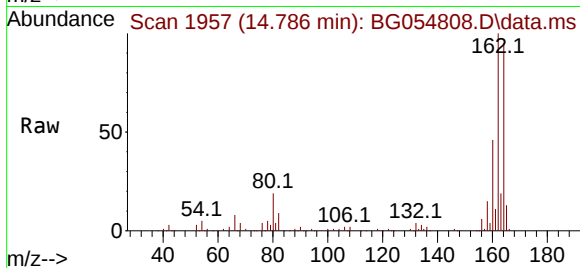




#57
2,4-Dinitrotoluene
Concen: 5.969 ng
RT: 14.786 min Scan# 1957
Delta R.T. -0.353 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

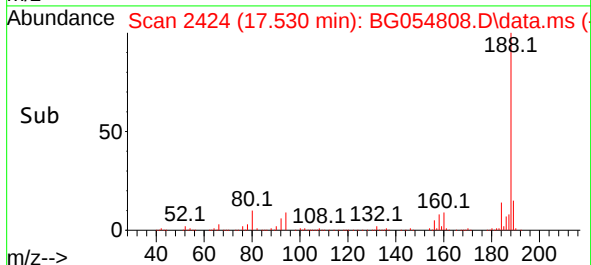
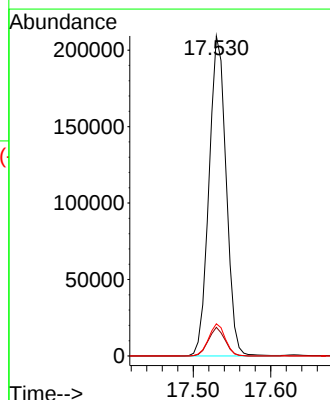
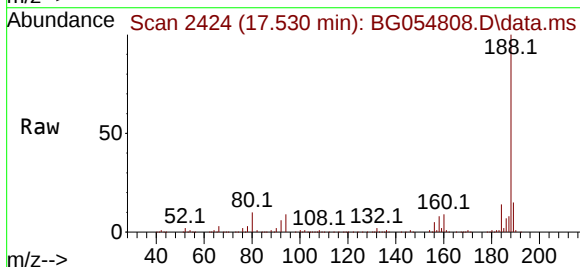
Instrument :
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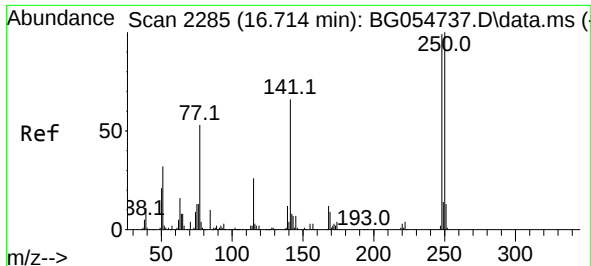
Tgt Ion:165 Resp: 19300
Ion Ratio Lower Upper
165 100
63 0.0 36.8 55.2#
89 1.3 64.3 96.5#
182 0.0 1.8 2.6#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.530 min Scan# 2424
Delta R.T. -0.001 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

Tgt Ion:188 Resp: 321551
Ion Ratio Lower Upper
188 100
94 8.9 7.0 10.4
80 10.0 7.9 11.9

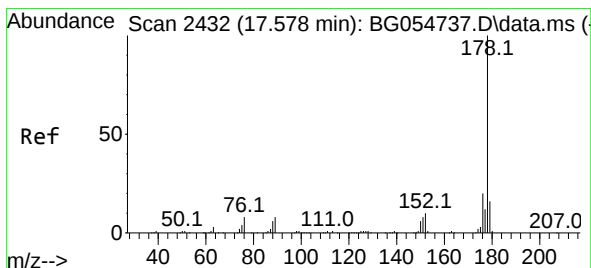
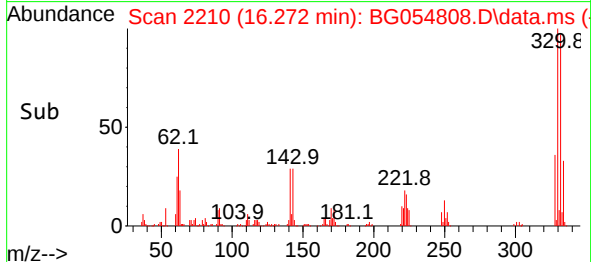
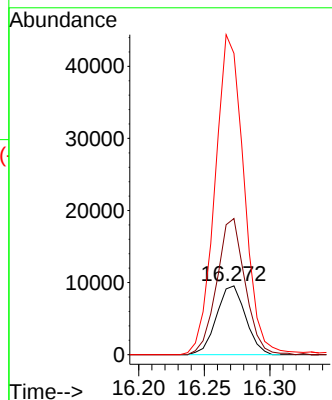
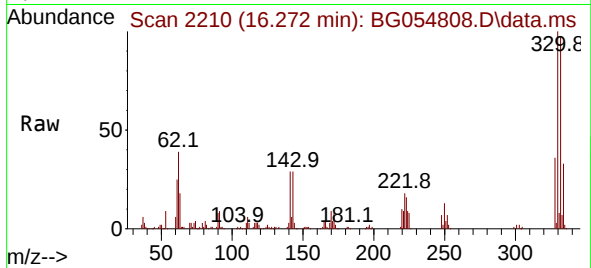




#67
4-Bromophenyl-phenylether
Concen: 4.160 ng
RT: 16.272 min Scan# 21
Delta R.T. -0.442 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

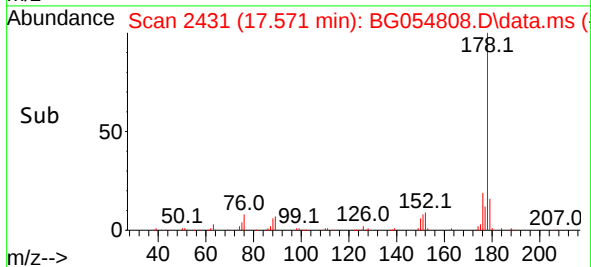
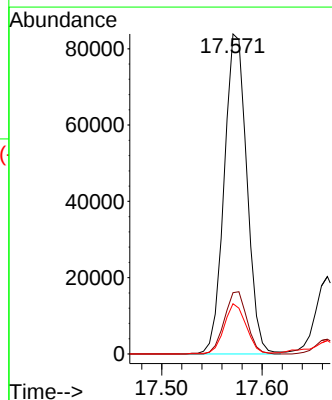
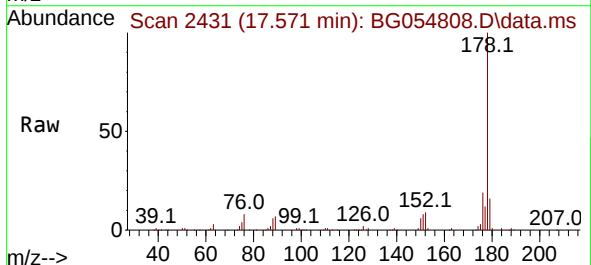
Instrument :
BNA_G
ClientSampleId :
EP-BLIND-DUPLICATE

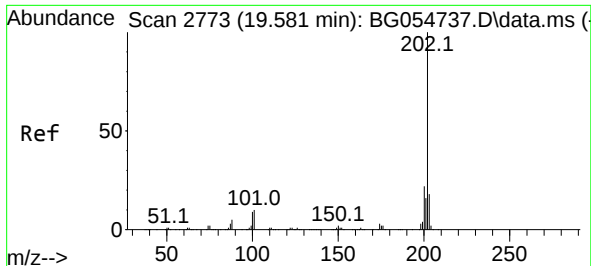
Tgt Ion:248 Resp: 14687
Ion Ratio Lower Upper
248 100
250 197.9 78.8 118.2#
141 437.9 51.9 77.9#



#71
Phenanthrene
Concen: 7.668 ng
RT: 17.571 min Scan# 2431
Delta R.T. -0.007 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

Tgt Ion:178 Resp: 131341
Ion Ratio Lower Upper
178 100
176 19.1 16.6 25.0
179 15.7 12.8 19.2

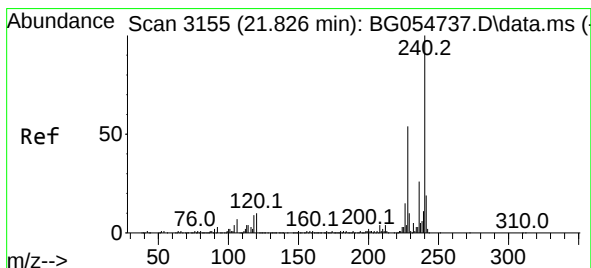
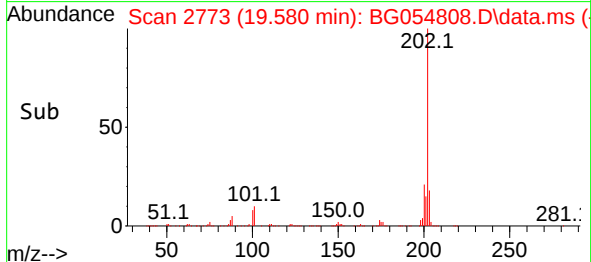
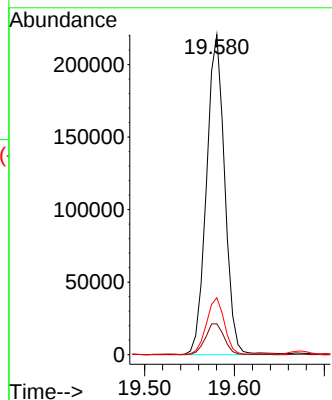
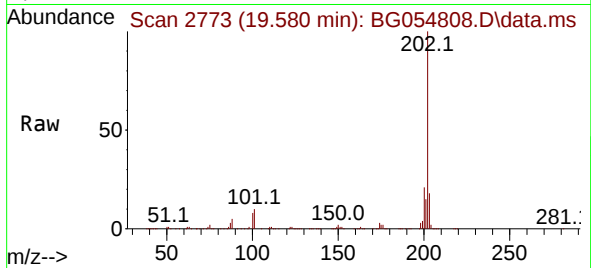




#75
Fluoranthene
Concen: 14.907 ng
RT: 19.580 min Scan# 21
Delta R.T. -0.001 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

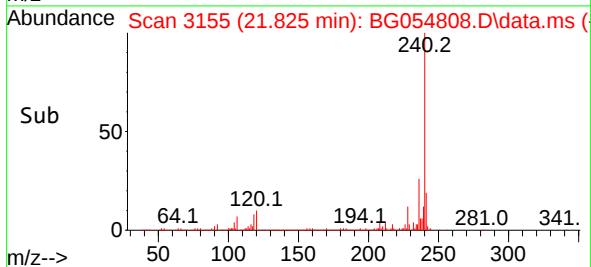
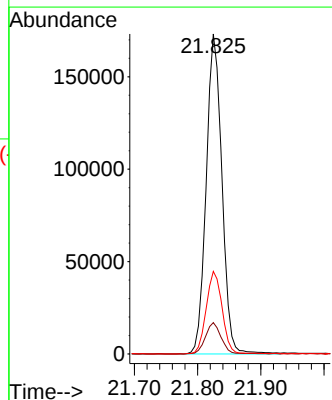
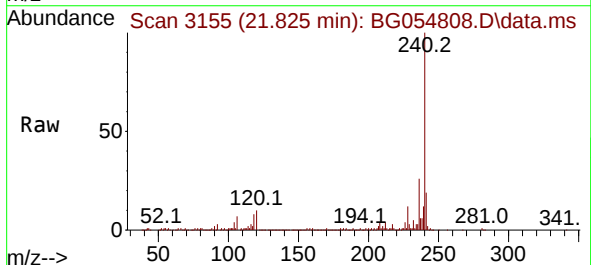
Instrument :
BNA_G
ClientSampleId :
EP-BLIND-DUPLICATE

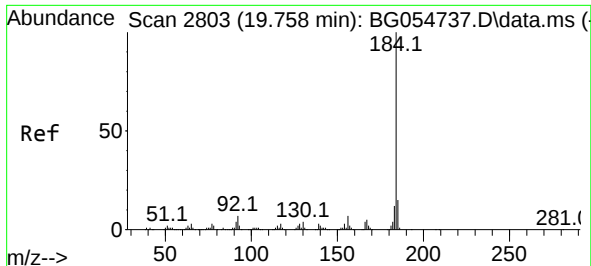
Tgt Ion:202 Resp: 310629
Ion Ratio Lower Upper
202 100
101 9.7 0.0 31.4
203 17.8 0.0 38.6



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.825 min Scan# 3155
Delta R.T. -0.001 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

Tgt Ion:240 Resp: 298863
Ion Ratio Lower Upper
240 100
120 9.8 8.2 12.4
236 25.8 21.2 31.8

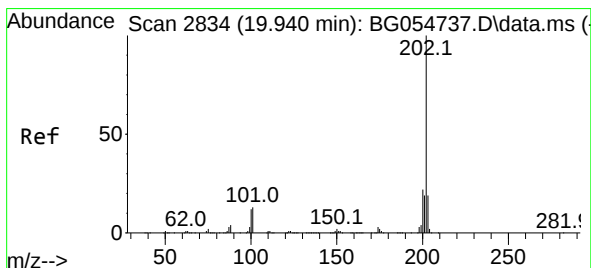
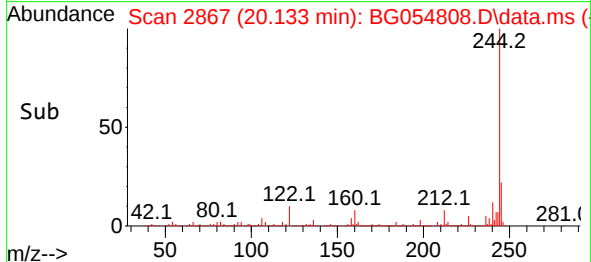
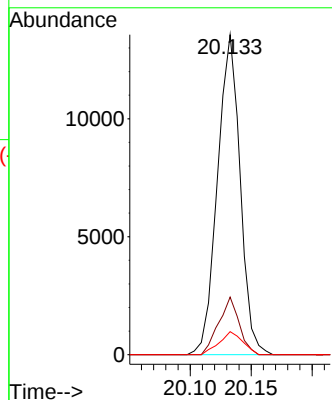
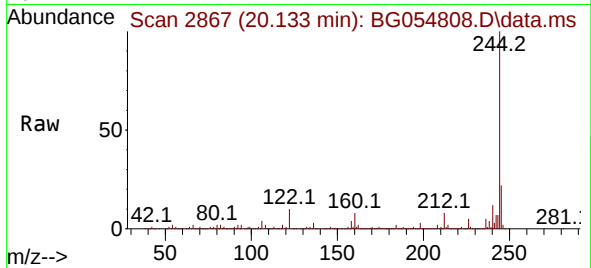




#77
Benzidine
Concen: 2.370 ng
RT: 20.133 min Scan# 2867
Delta R.T. 0.375 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

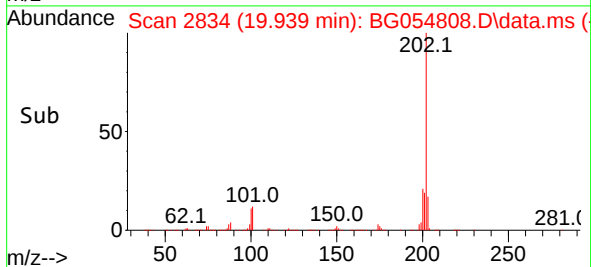
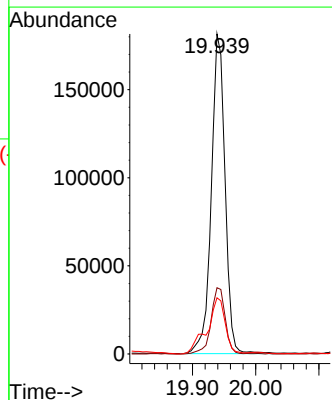
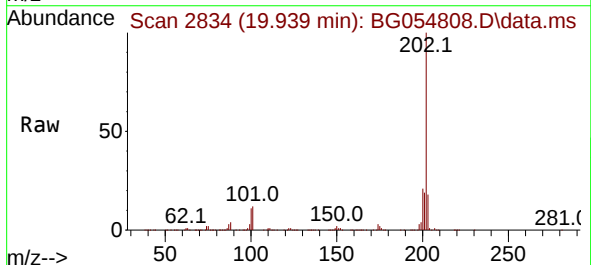
Instrument :
BNA_G
ClientSampleId :
EP-BLIND-DUPLICATE

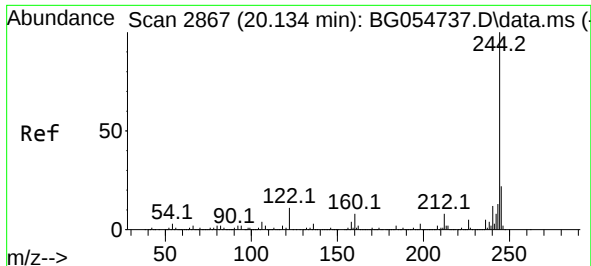
Tgt Ion:184 Resp: 17542
Ion Ratio Lower Upper
184 100
185 18.0 11.4 17.0#
183 7.2 9.8 14.8#



#78
Pyrene
Concen: 13.153 ng
RT: 19.939 min Scan# 2834
Delta R.T. -0.001 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

Tgt Ion:202 Resp: 274107
Ion Ratio Lower Upper
202 100
200 20.7 17.8 26.6
203 17.5 14.6 21.8

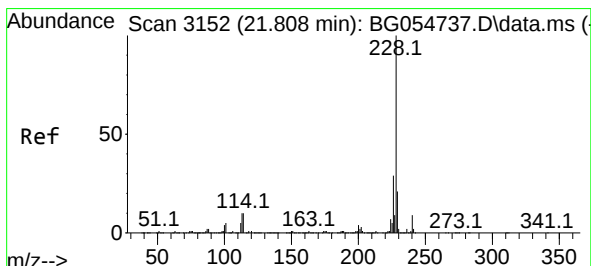
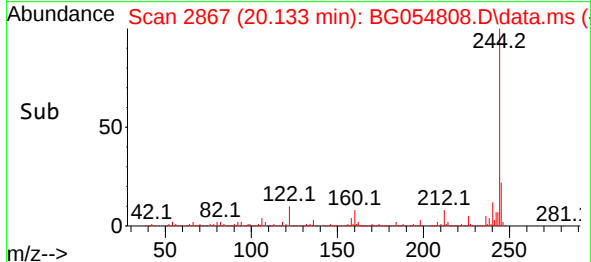
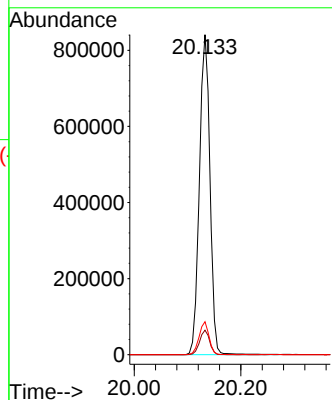
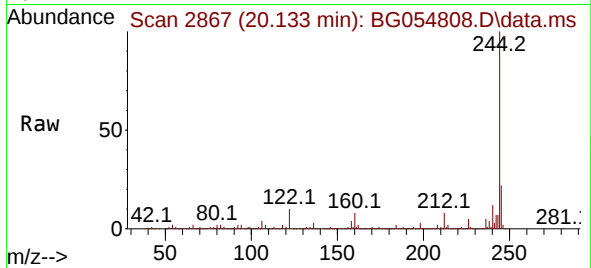




#79
 Terphenyl-d14
 Concen: 76.585 ng
 RT: 20.133 min Scan# 21
 Delta R.T. -0.001 min
 Lab File: BG054808.D
 Acq: 31 Aug 2022 16:00

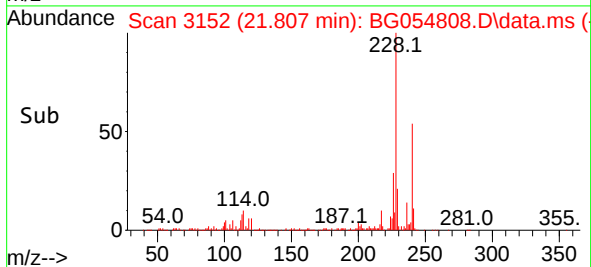
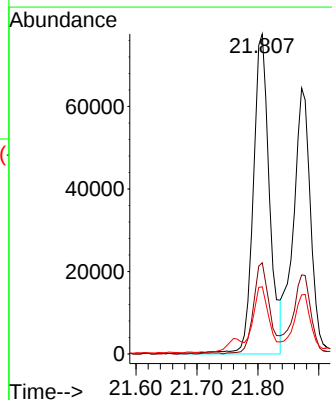
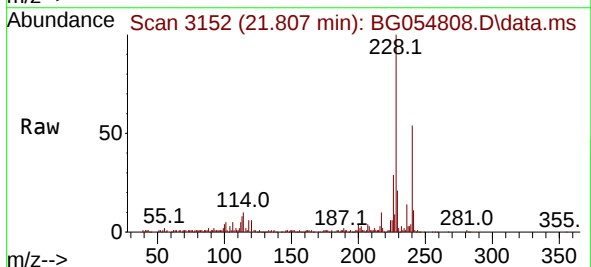
Instrument :
 BNA_G
 ClientSampleId :
 EP-BLIND-DUPLICATE

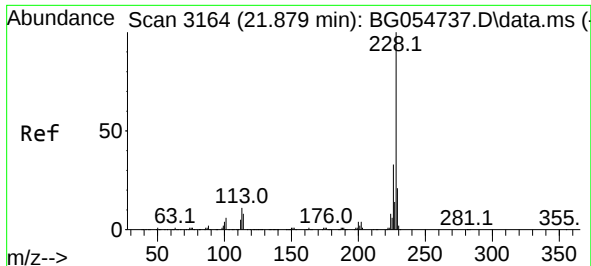
Tgt Ion:244 Resp: 1155170
 Ion Ratio Lower Upper
 244 100
 212 7.6 6.2 9.2
 122 10.3 9.0 13.6



#81
 Benzo(a)anthracene
 Concen: 7.074 ng
 RT: 21.807 min Scan# 3152
 Delta R.T. -0.001 min
 Lab File: BG054808.D
 Acq: 31 Aug 2022 16:00

Tgt Ion:228 Resp: 143341
 Ion Ratio Lower Upper
 228 100
 226 28.5 23.4 35.2
 229 21.0 16.5 24.7

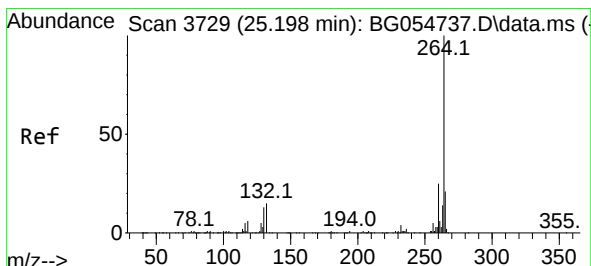
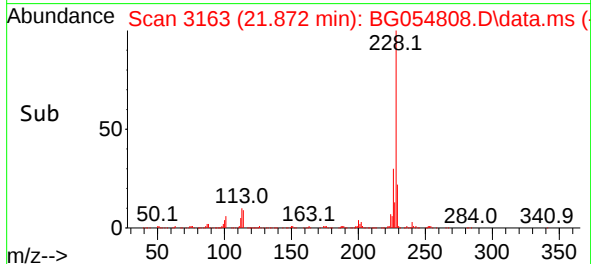
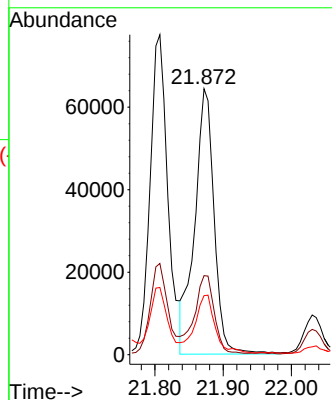
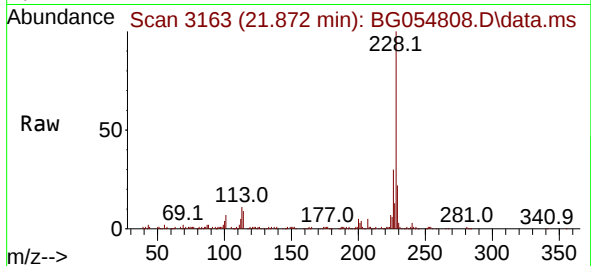




#83
Chrysene
Concen: 6.601 ng
RT: 21.872 min Scan# 31
Delta R.T. -0.007 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

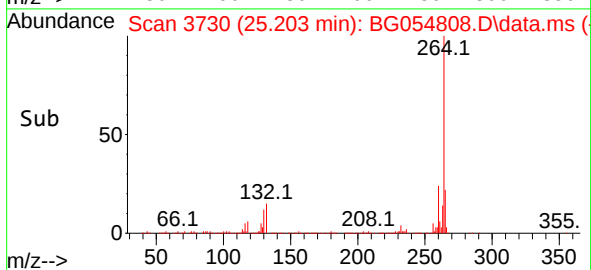
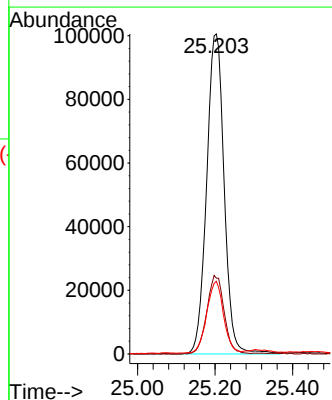
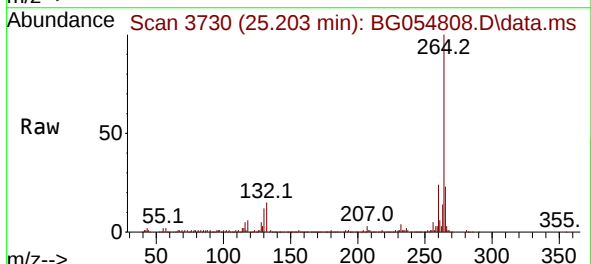
Instrument :
BNA_G
ClientSampleId :
EP-BLIND-DUPLICATE

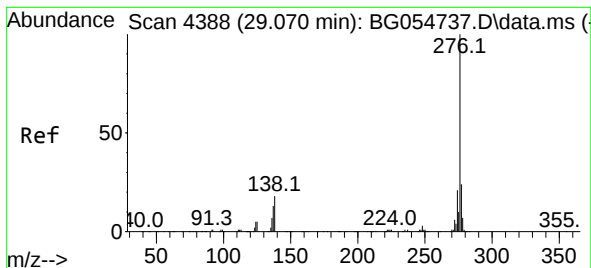
Tgt Ion:228 Resp: 127898
Ion Ratio Lower Upper
228 100
226 29.7 25.5 38.3
229 22.2 16.8 25.2



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.203 min Scan# 3730
Delta R.T. 0.005 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

Tgt Ion:264 Resp: 315381
Ion Ratio Lower Upper
264 100
260 23.7 19.9 29.9
265 22.7 16.9 25.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.765 ng

RT: 29.069 min Scan# 41

Delta R.T. -0.001 min

Lab File: BG054808.D

Acq: 31 Aug 2022 16:00

Instrument :

BNA_G

ClientSampleId :

EP-BLIND-DUPLICATE

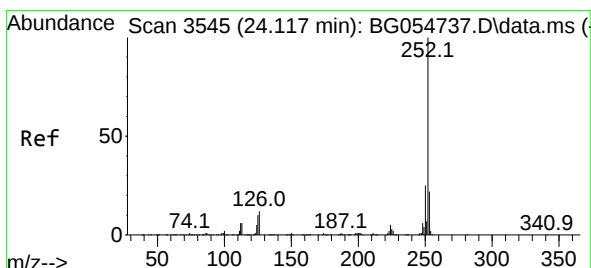
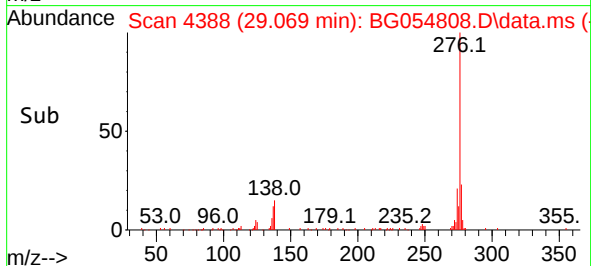
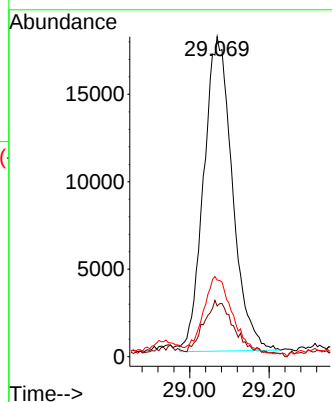
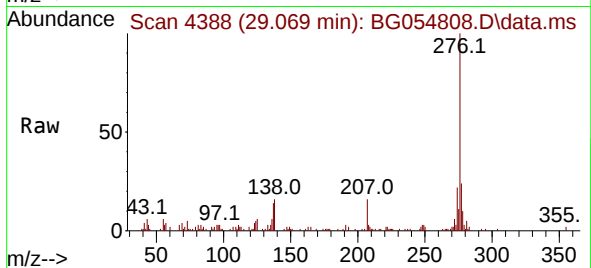
Tgt Ion:276 Resp: 90155

Ion Ratio Lower Upper

276 100

138 15.8 12.0 18.0

277 23.8 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 9.033 ng

RT: 24.122 min Scan# 3546

Delta R.T. 0.005 min

Lab File: BG054808.D

Acq: 31 Aug 2022 16:00

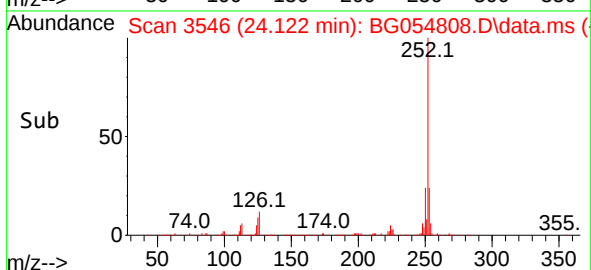
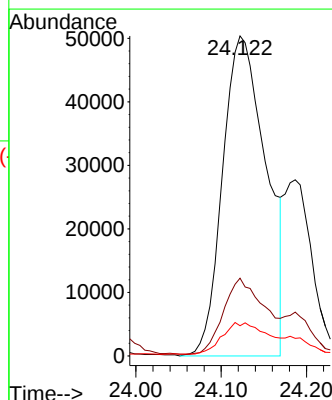
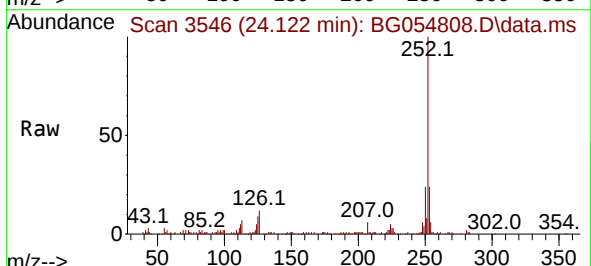
Tgt Ion:252 Resp: 178702

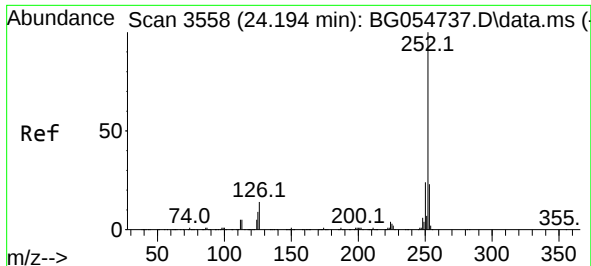
Ion Ratio Lower Upper

252 100

253 24.3 18.0 27.0

125 9.4 8.1 12.1

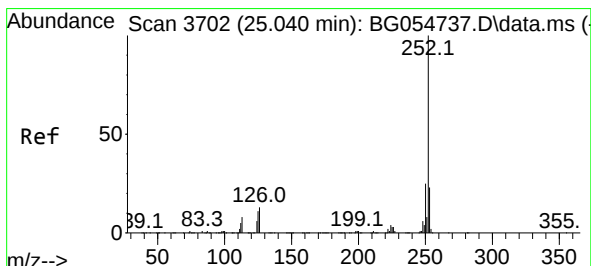
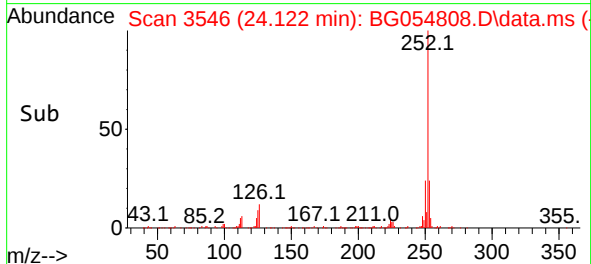
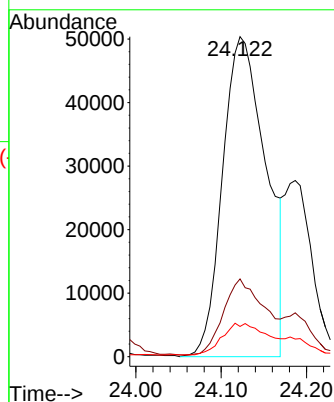
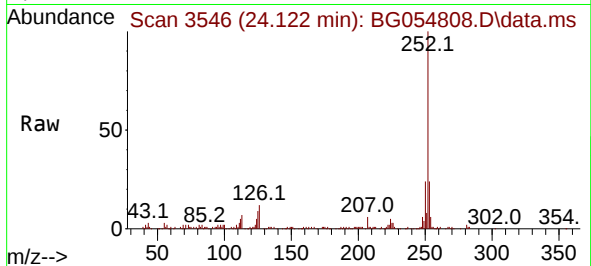




#89
Benzo(k)fluoranthene
Concen: 8.975 ng
RT: 24.122 min Scan# 31
Delta R.T. -0.071 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

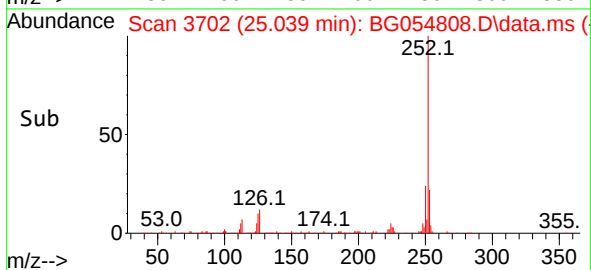
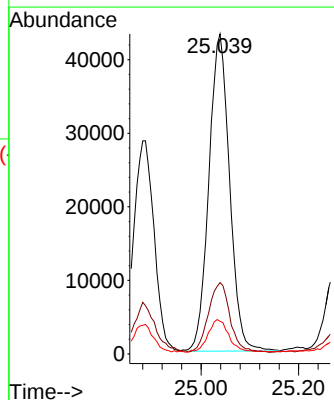
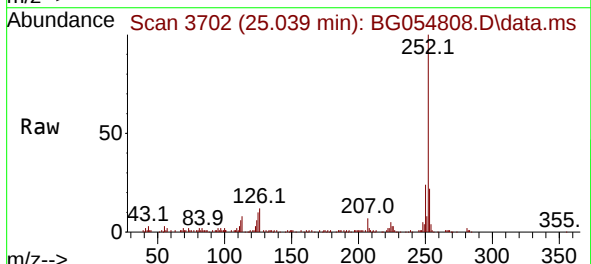
Instrument :
BNA_G
ClientSampleId :
EP-BLIND-DUPLICATE

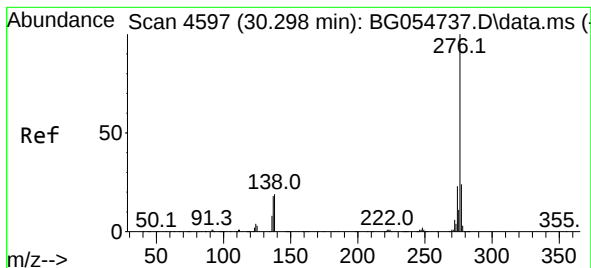
Tgt Ion:252 Resp: 178702
Ion Ratio Lower Upper
252 100
253 24.3 17.8 26.8
125 9.4 8.2 12.4



#90
Benzo(a)pyrene
Concen: 7.506 ng
RT: 25.039 min Scan# 3702
Delta R.T. -0.001 min
Lab File: BG054808.D
Acq: 31 Aug 2022 16:00

Tgt Ion:252 Resp: 126872
Ion Ratio Lower Upper
252 100
253 22.3 18.3 27.5
125 10.2 8.8 13.2





#92

Benzo(g,h,i)perylene

Concen: 4.756 ng

RT: 30.280 min Scan# 4

Delta R.T. -0.019 min

Lab File: BG054808.D

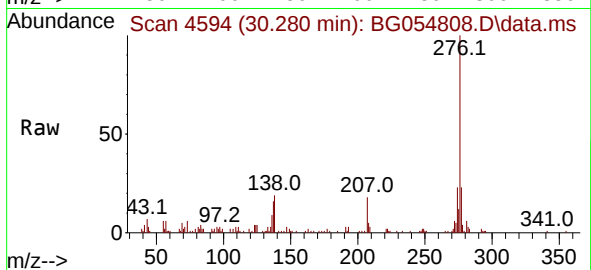
Acq: 31 Aug 2022 16:00

Instrument :

BNA_G

ClientSampleId :

EP-BLIND-DUPLICATE



Tgt Ion:276 Resp: 93714

Ion Ratio Lower Upper

276 100

277 23.5 19.4 29.0

138 18.6 16.6 25.0

