

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083122\
 Data File : BG054812.D
 Acq On : 31 Aug 2022 18:49
 Operator : CG/JU
 Sample : N4421-01 10X
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-PALM-SP-01

Quant Time: Sep 01 05:05:22 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)

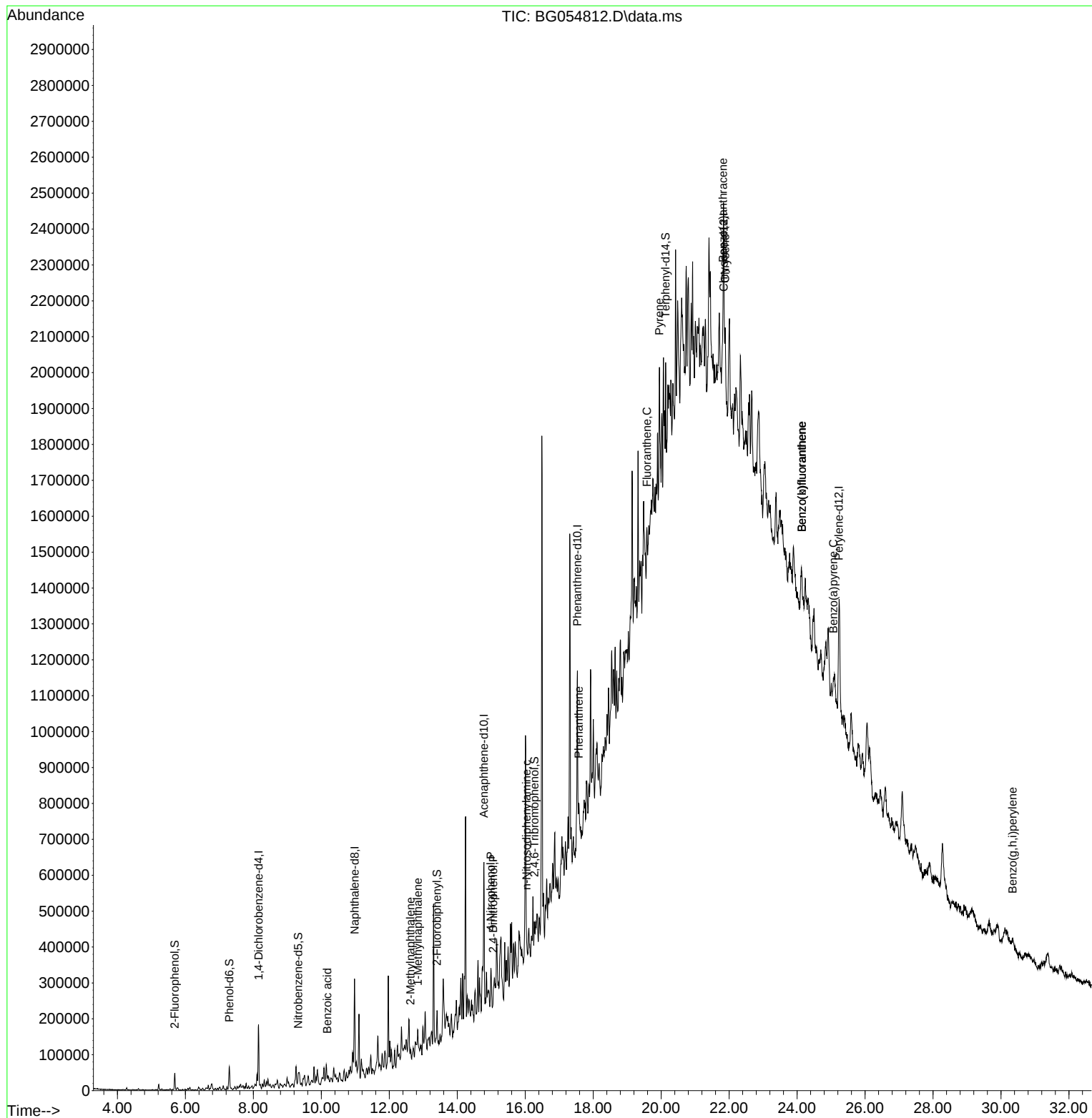
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.152	152	54882	20.000	ng	0.00
21) Naphthalene-d8	10.978	136	218820	20.000	ng	0.00
39) Acenaphthene-d10	14.786	164	136046	20.000	ng	0.00
64) Phenanthrene-d10	17.535	188	272339	20.000	ng	0.00
76) Chrysene-d12	21.836	240	253871	20.000	ng	# 0.01
86) Perylene-d12	25.232	264	278289	20.000	ng	0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.690	112	23012	7.302	ng	0.00
7) Phenol-d6	7.294	99	32930	7.640	ng	0.00
23) Nitrobenzene-d5	9.321	82	20494	4.917	ng	0.00
42) 2,4,6-Tribromophenol	16.272	330	7594	4.467	ng	0.00
45) 2-Fluorobiphenyl	13.405	172	51808	5.724	ng	0.00
79) Terphenyl-d14	20.132	244	76938	6.005	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	10.179	122	376	7.954	ng	# 65
37) 2-Methylnaphthalene	12.623	142	18867	2.293	ng	99
38) 1-Methylnaphthalene	12.841	142	18337	2.290	ng	# 95
54) 2,4-Dinitrophenol	15.056	184	53	6.740	ng	# 1
56) 4-Nitrophenol	14.985	139	4002	2.155	ng	# 1
66) n-Nitrosodiphenylamine	16.037	169	20447	2.603	ng	# 44
71) Phenanthrene	17.576	178	60251	4.153	ng	# 90
75) Fluoranthene	19.586	202	51899	2.941	ng	85
78) Pyrene	19.944	202	135271	7.641	ng	# 90
81) Benzo(a)anthracene	21.818	228	108505	6.304	ng	# 82
83) Chrysene	21.883	228	172140	10.459	ng	# 86
88) Benzo(b)fluoranthene	24.145	252	77510	4.440	ng	# 30
89) Benzo(k)fluoranthene	24.145	252	77510	4.412	ng	# 29
90) Benzo(a)pyrene	25.068	252	73000	4.894	ng	# 53
92) Benzo(g,h,i)perylene	30.338	276	56470	3.248	ng	# 90

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

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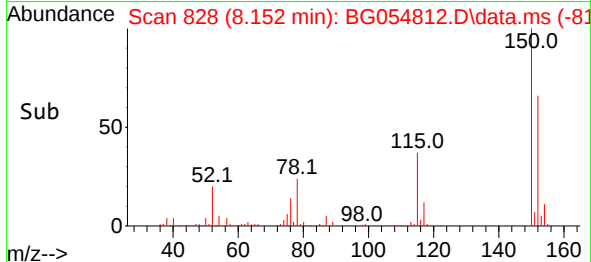
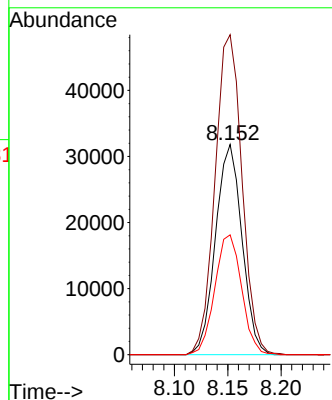
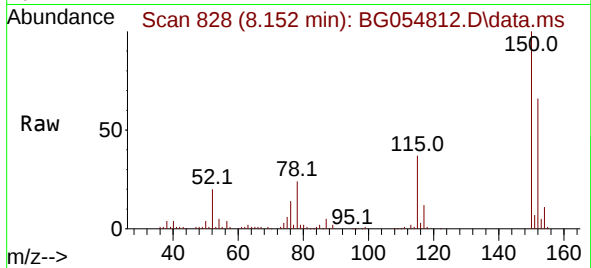




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.152 min Scan# 81
Delta R.T. -0.001 min
Lab File: BG054812.D
Acq: 31 Aug 2022 18:49

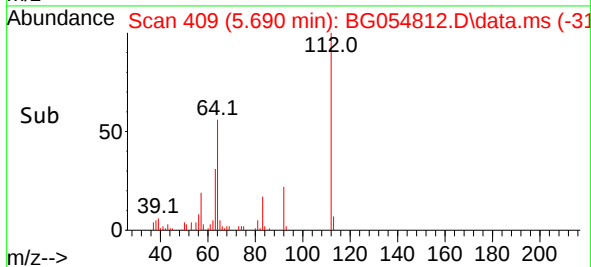
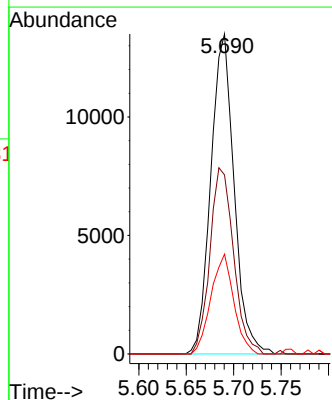
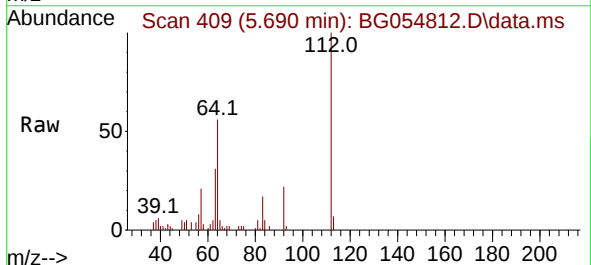
Instrument :
BNA_G
ClientSampleId :
WC-PALM-SP-01

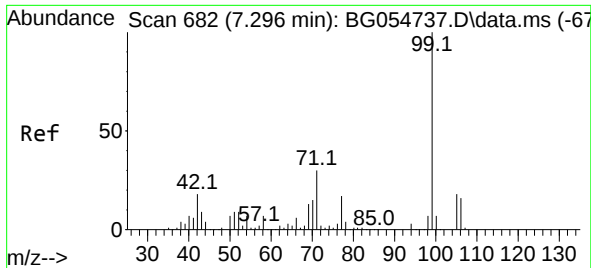
Tgt Ion:152 Resp: 54882
Ion Ratio Lower Upper
152 100
150 152.2 125.2 187.8
115 57.0 47.9 71.9



#5
2-Fluorophenol
Concen: 7.302 ng
RT: 5.690 min Scan# 409
Delta R.T. 0.004 min
Lab File: BG054812.D
Acq: 31 Aug 2022 18:49

Tgt Ion:112 Resp: 23012
Ion Ratio Lower Upper
112 100
64 55.9 49.3 73.9
63 31.2 26.3 39.5

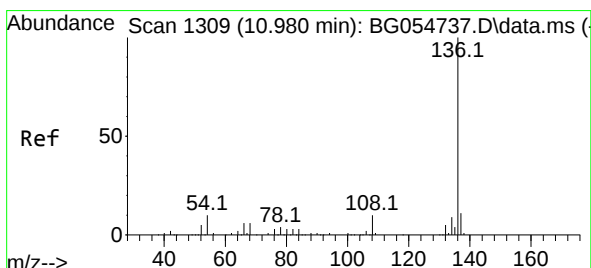
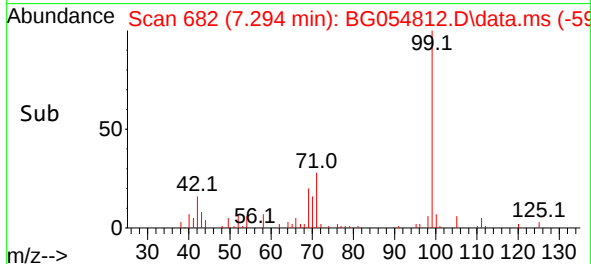
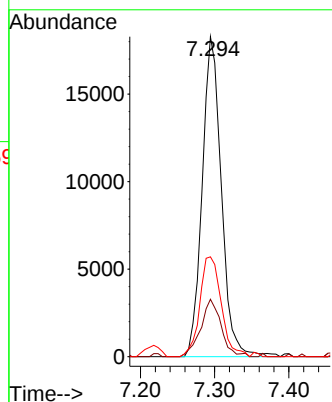
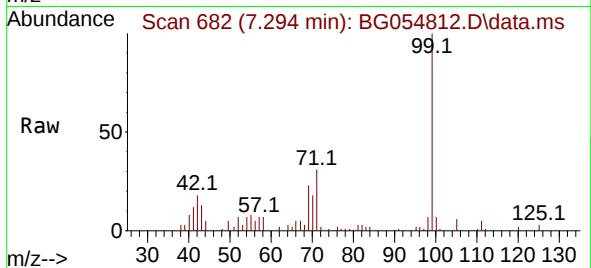




#7
Phenol-d6
Concen: 7.640 ng
RT: 7.294 min Scan# 61
Delta R.T. -0.001 min
Lab File: BG054812.D
Acq: 31 Aug 2022 18:49

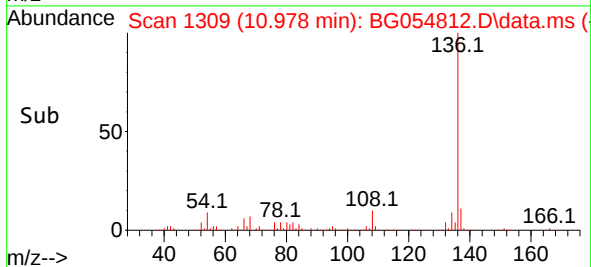
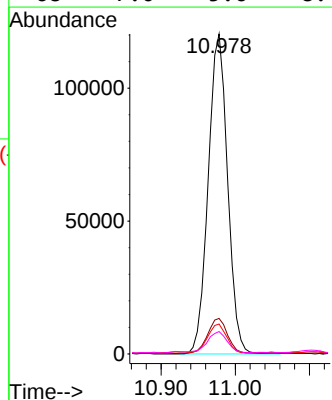
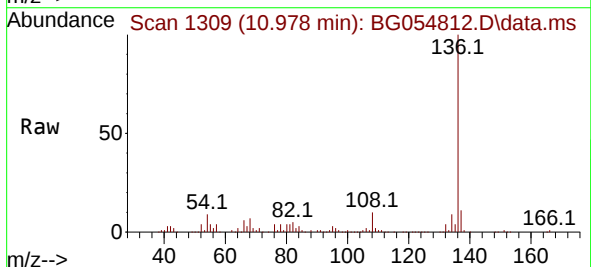
Instrument :
BNA_G
ClientSampleId :
WC-PALM-SP-01

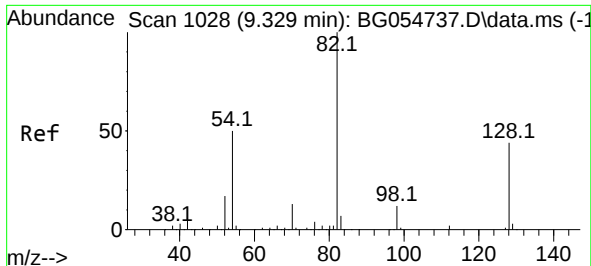
Tgt Ion: 99 Resp: 32930
Ion Ratio Lower Upper
99 100
42 17.9 14.6 22.0
71 31.2 24.6 37.0



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.978 min Scan# 1309
Delta R.T. -0.002 min
Lab File: BG054812.D
Acq: 31 Aug 2022 18:49

Tgt Ion:136 Resp: 218820
Ion Ratio Lower Upper
136 100
137 11.1 9.2 13.8
54 9.3 7.7 11.5
68 7.0 5.6 8.4





#23

Nitrobenzene-d5

Concen: 4.917 ng

RT: 9.321 min Scan# 1028

Delta R.T. -0.007 min

Lab File: BG054812.D

Acq: 31 Aug 2022 18:49

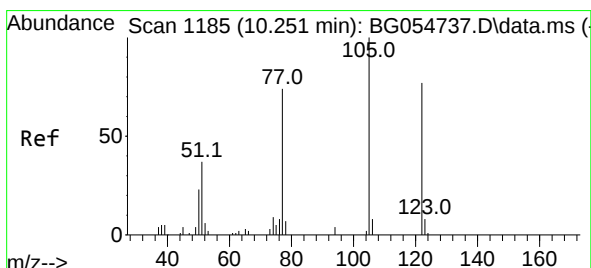
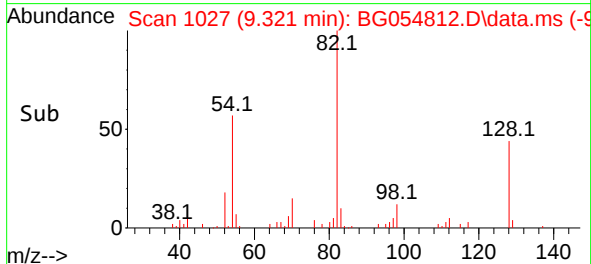
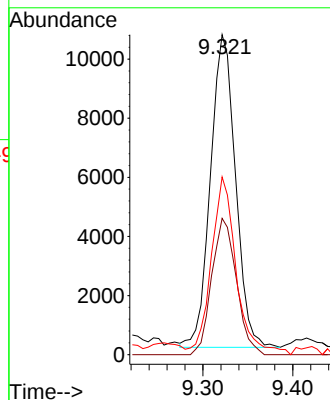
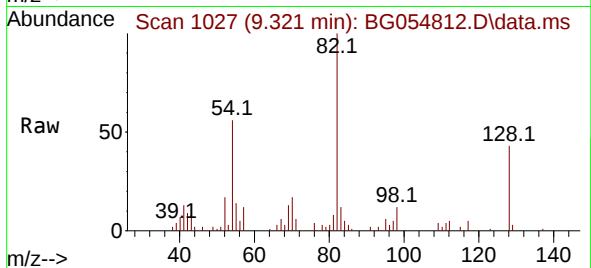
Instrument :

BNA_G

ClientSampleId :

WC-PALM-SP-01

Tgt Ion: 82	Resp: 20494
Ion Ratio	Lower Upper
82	100
128	42.6 32.2 48.2
54	55.5 41.4 62.0



#32

Benzoic acid

Concen: 7.954 ng

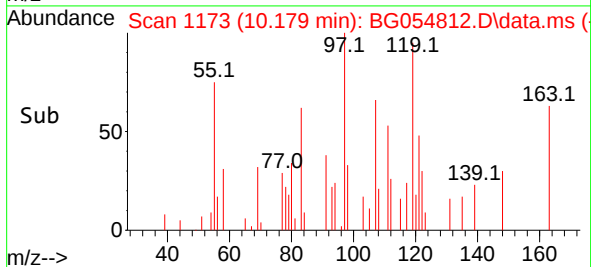
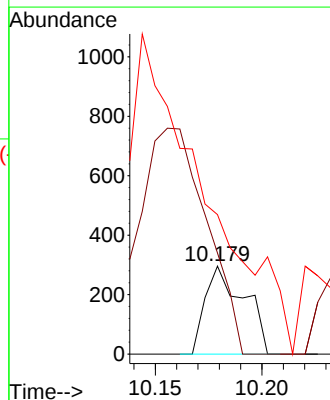
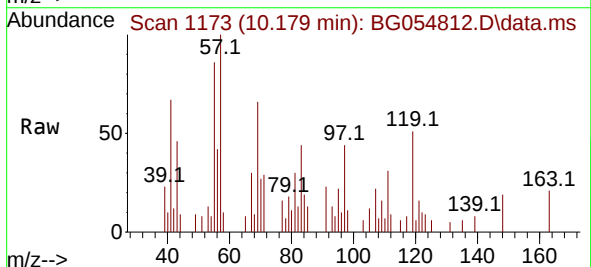
RT: 10.179 min Scan# 1173

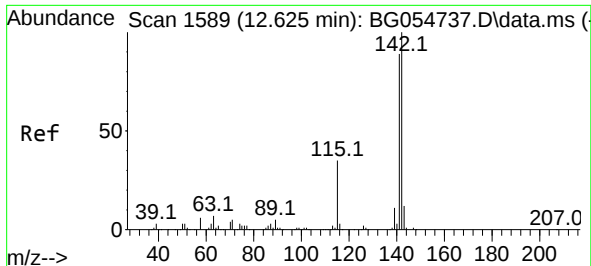
Delta R.T. -0.072 min

Lab File: BG054812.D

Acq: 31 Aug 2022 18:49

Tgt Ion: 122	Resp: 376
Ion Ratio	Lower Upper
122	100
105	114.9 101.5 141.5
77	158.4 69.3 109.3

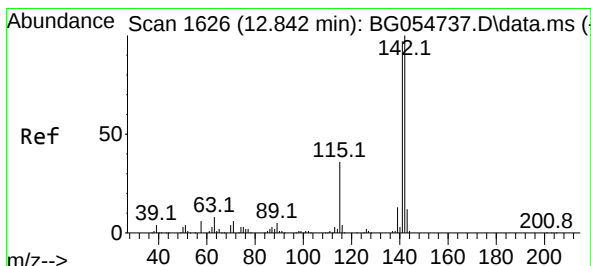
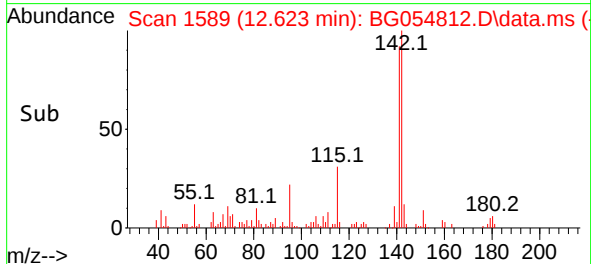
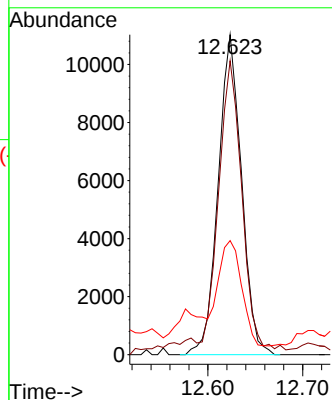
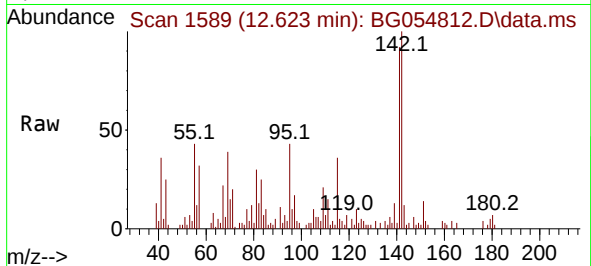




#37
2-Methylnaphthalene
Concen: 2.293 ng
RT: 12.623 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG054812.D
Acq: 31 Aug 2022 18:49

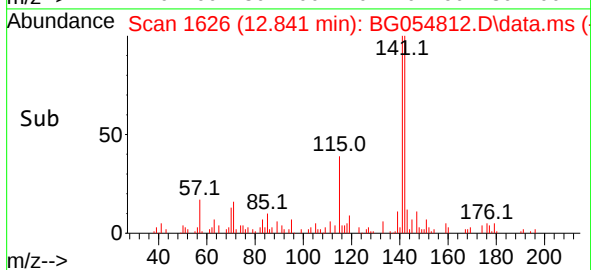
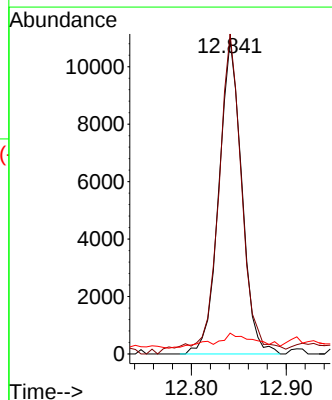
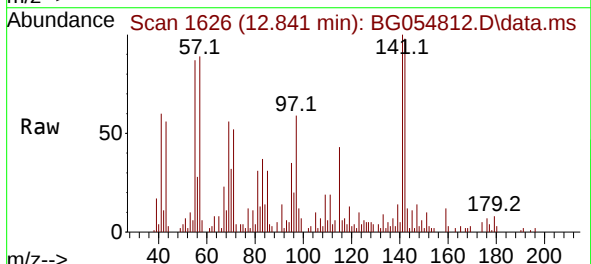
Instrument :
BNA_G
ClientSampleId :
WC-PALM-SP-01

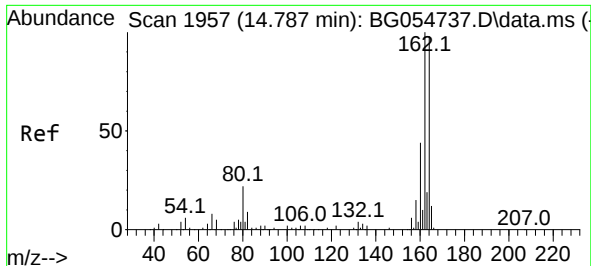
Tgt Ion:142 Resp: 18867
Ion Ratio Lower Upper
142 100
141 91.8 73.0 109.4
115 35.6 27.3 40.9



#38
1-Methylnaphthalene
Concen: 2.290 ng
RT: 12.841 min Scan# 1626
Delta R.T. -0.001 min
Lab File: BG054812.D
Acq: 31 Aug 2022 18:49

Tgt Ion:142 Resp: 18337
Ion Ratio Lower Upper
142 100
141 101.9 77.4 116.0
116 6.6 3.0 4.4#

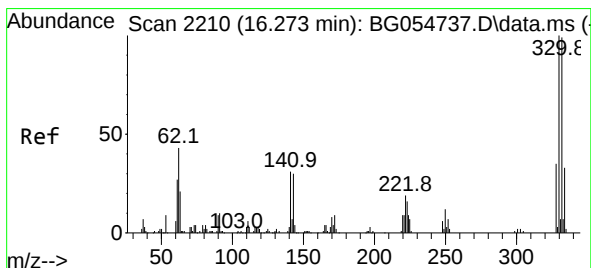
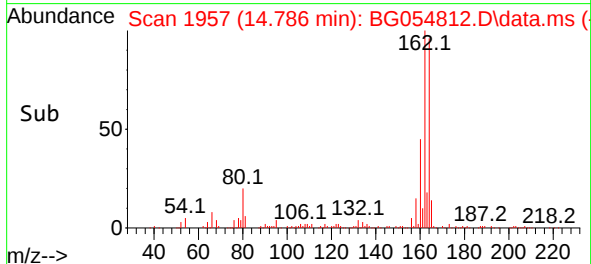
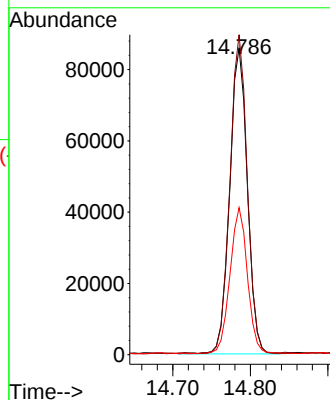
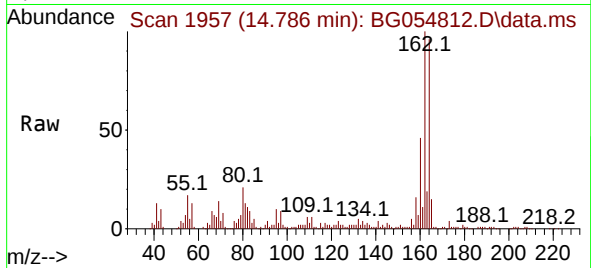




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.786 min Scan# 1957
Delta R.T. -0.002 min
Lab File: BG054812.D
Acq: 31 Aug 2022 18:49

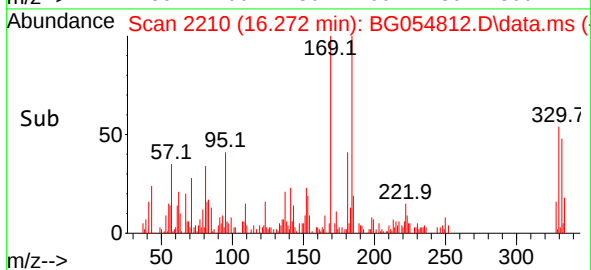
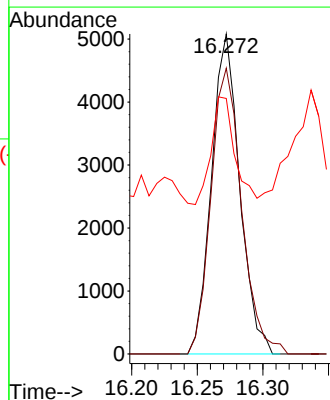
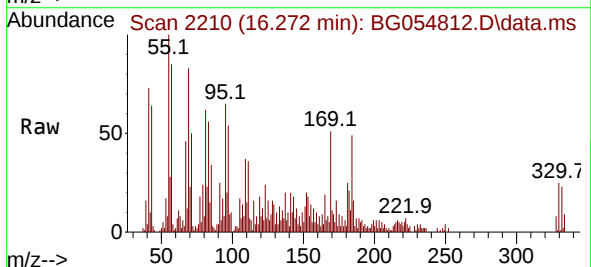
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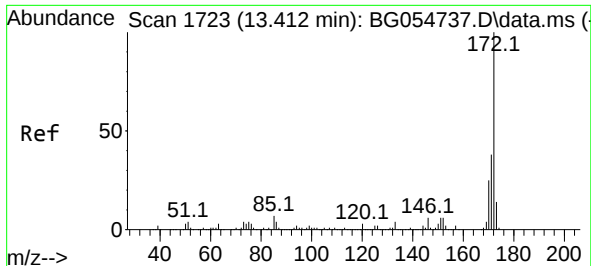
Tgt Ion:164 Resp: 136046
Ion Ratio Lower Upper
164 100
162 104.4 83.0 124.4
160 48.0 38.0 57.0



#42
2,4,6-Tribromophenol
Concen: 4.467 ng
RT: 16.272 min Scan# 2210
Delta R.T. -0.001 min
Lab File: BG054812.D
Acq: 31 Aug 2022 18:49

Tgt Ion:330 Resp: 7594
Ion Ratio Lower Upper
330 100
332 96.8 79.8 119.6
141 28.1 26.8 40.2

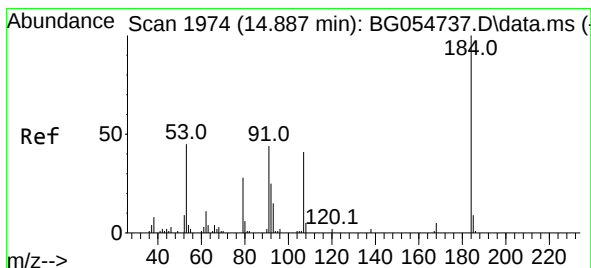
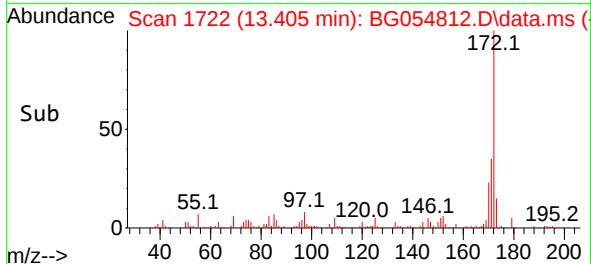
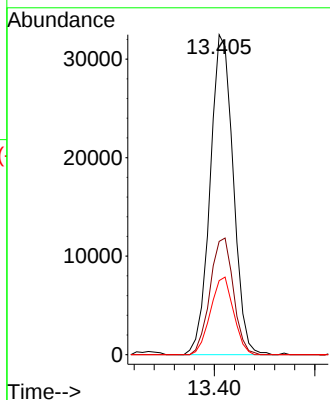
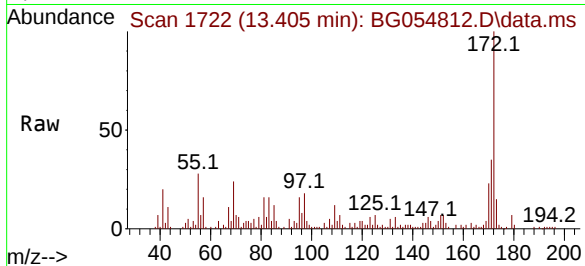




#45
2-Fluorobiphenyl
Concen: 5.724 ng
RT: 13.405 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG054812.D
Acq: 31 Aug 2022 18:49

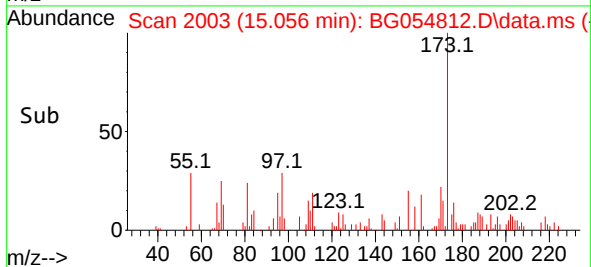
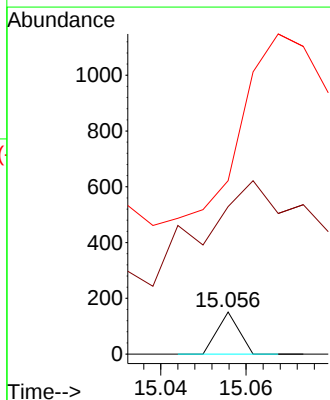
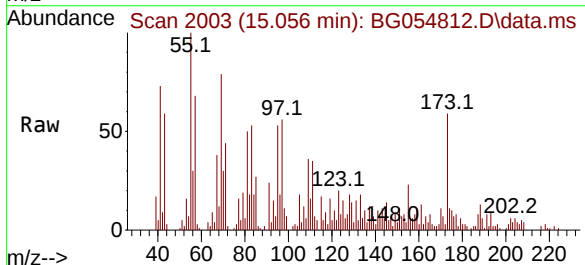
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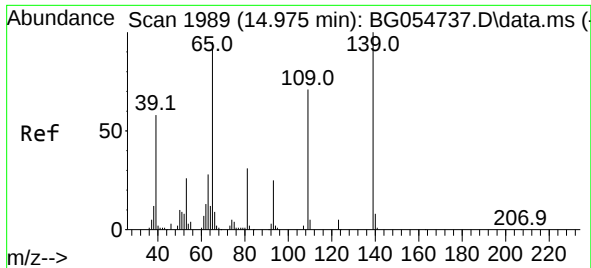
Tgt Ion:172 Resp: 51808
Ion Ratio Lower Upper
172 100
171 35.4 31.2 46.8
170 23.2 20.6 30.8



#54
2,4-Dinitrophenol
Concen: 6.740 ng
RT: 15.056 min Scan# 2003
Delta R.T. 0.169 min
Lab File: BG054812.D
Acq: 31 Aug 2022 18:49

Tgt Ion:184 Resp: 53
Ion Ratio Lower Upper
184 100
63 350.3 41.8 62.8#
154 411.9 45.2 67.8#

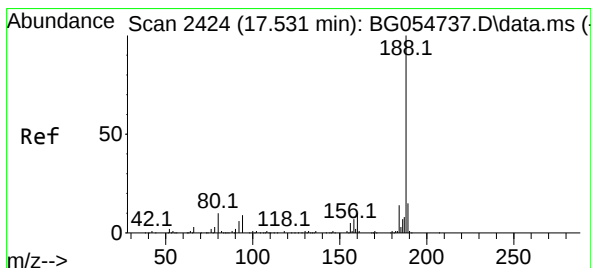
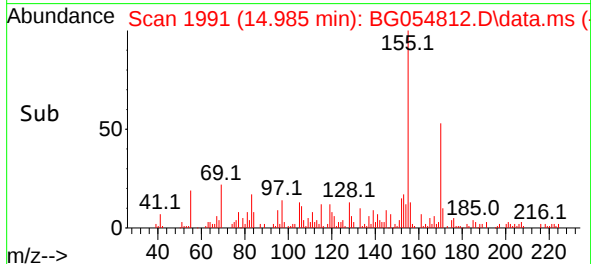
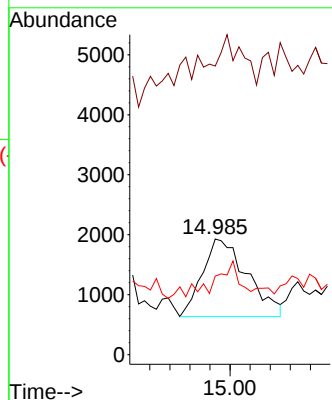
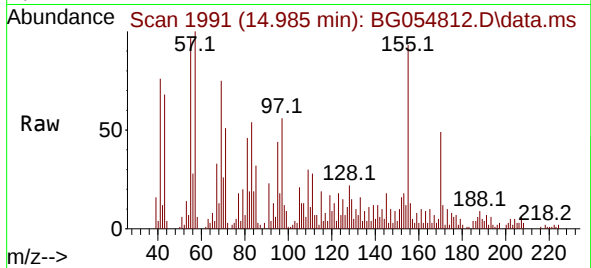




#56
4-Nitrophenol
Concen: 2.155 ng
RT: 14.985 min Scan# 1989
Delta R.T. 0.010 min
Lab File: BG054812.D
Acq: 31 Aug 2022 18:49

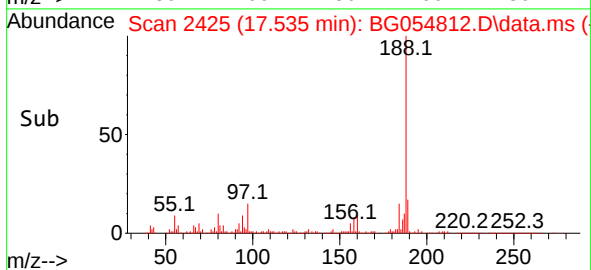
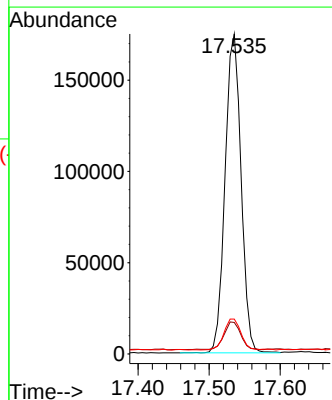
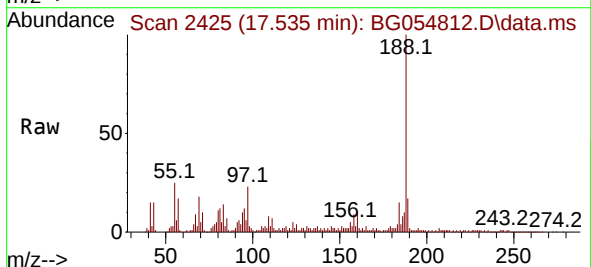
Instrument :
BNA_G
ClientSampleId :
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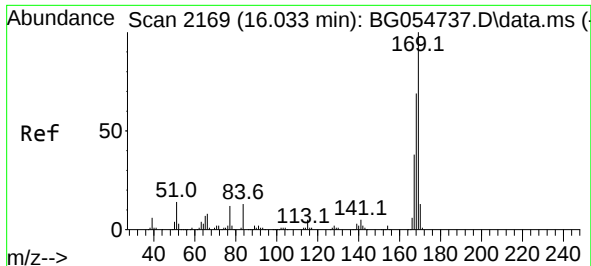
Tgt Ion:139 Resp: 4002
Ion Ratio Lower Upper
139 100
109 249.5 50.5 90.5#
65 67.9 79.9 119.9#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.535 min Scan# 2425
Delta R.T. 0.004 min
Lab File: BG054812.D
Acq: 31 Aug 2022 18:49

Tgt Ion:188 Resp: 272339
Ion Ratio Lower Upper
188 100
94 9.8 7.0 10.4
80 10.9 7.9 11.9

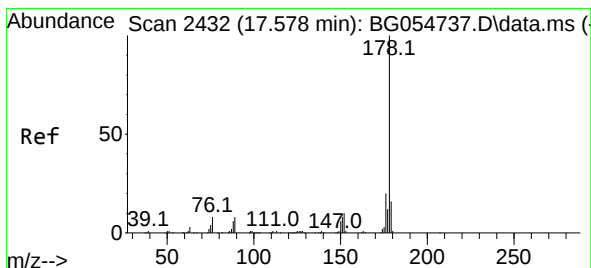
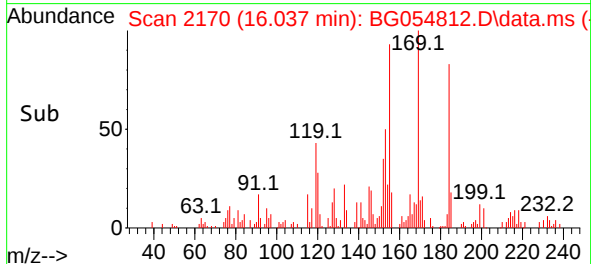
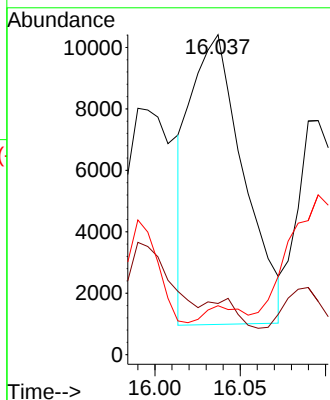
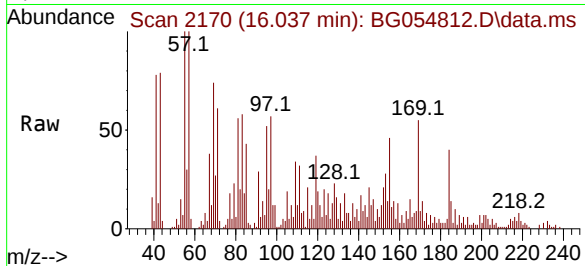




#66
 n-Nitrosodiphenylamine
 Concen: 2.603 ng
 RT: 16.037 min Scan# 2169
 Delta R.T. 0.004 min
 Lab File: BG054812.D
 Acq: 31 Aug 2022 18:49

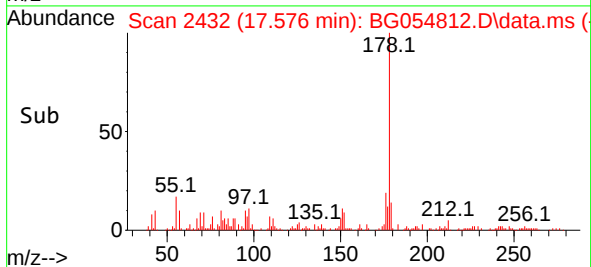
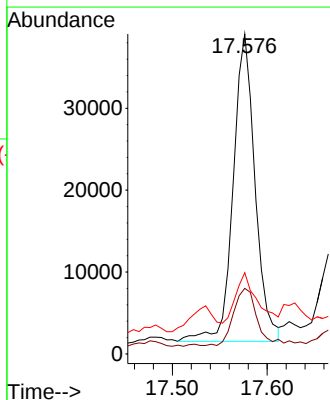
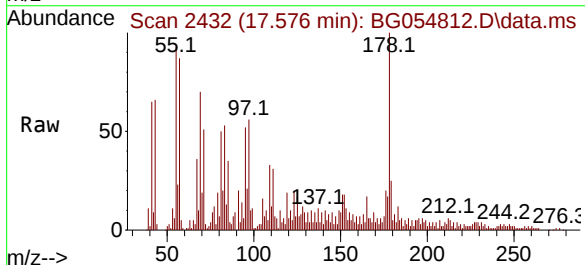
Instrument :
 BNA_G
 ClientSampleId :
 WC-PALM-SP-01

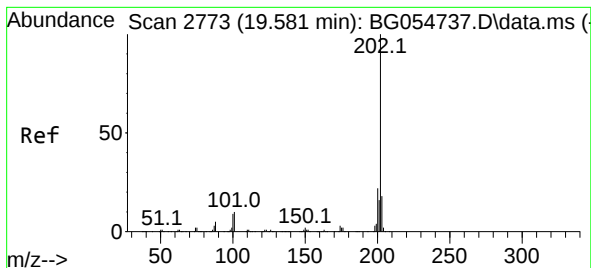
Tgt Ion:169 Resp: 20447
 Ion Ratio Lower Upper
 169 100
 168 16.0 55.6 83.4#
 167 15.3 30.9 46.3#



#71
 Phenanthrene
 Concen: 4.153 ng
 RT: 17.576 min Scan# 2432
 Delta R.T. -0.001 min
 Lab File: BG054812.D
 Acq: 31 Aug 2022 18:49

Tgt Ion:178 Resp: 60251
 Ion Ratio Lower Upper
 178 100
 176 20.5 16.6 25.0
 179 25.4 12.8 19.2#





#75

Fluoranthene

Concen: 2.941 ng

RT: 19.586 min Scan# 21

Delta R.T. 0.004 min

Lab File: BG054812.D

Acq: 31 Aug 2022 18:49

Instrument :

BNA_G

ClientSampleId :

WC-PALM-SP-01

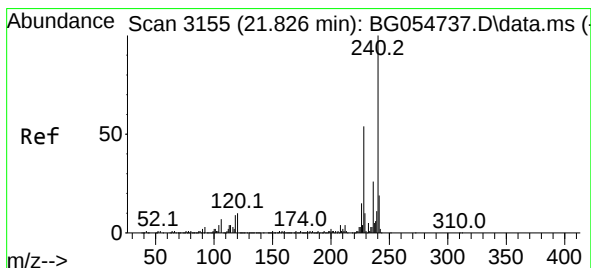
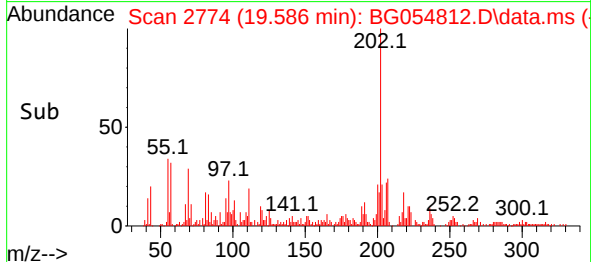
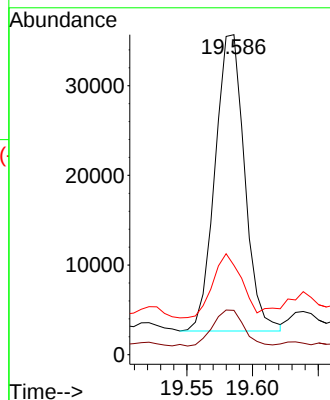
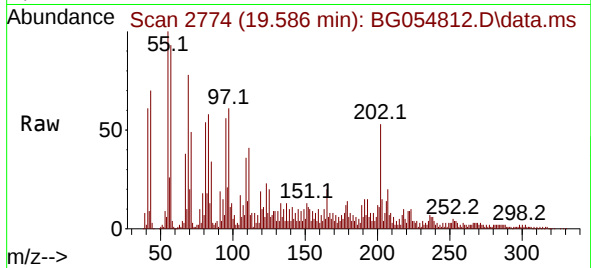
Tgt Ion:202 Resp: 51899

Ion Ratio Lower Upper

202 100

101 13.9 0.0 31.4

203 27.9 0.0 38.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.836 min Scan# 3157

Delta R.T. 0.010 min

Lab File: BG054812.D

Acq: 31 Aug 2022 18:49

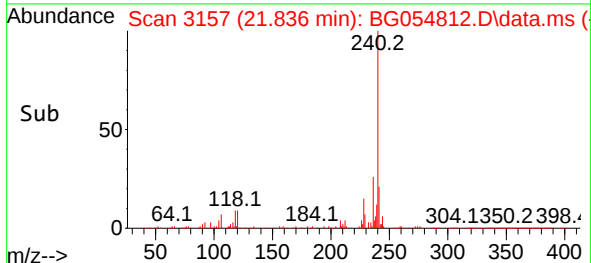
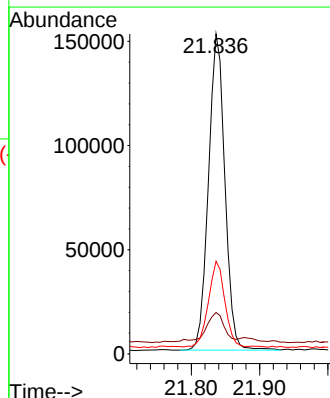
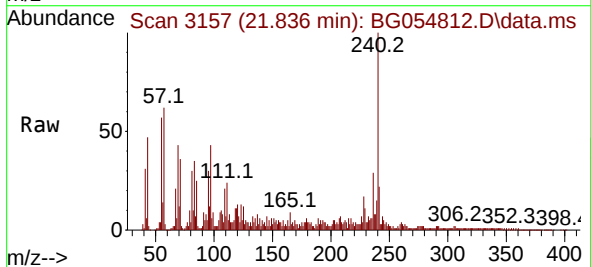
Tgt Ion:240 Resp: 253871

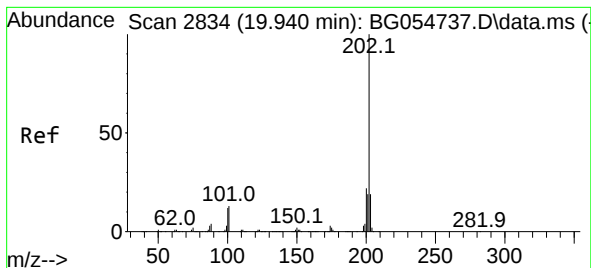
Ion Ratio Lower Upper

240 100

120 13.0 8.2 12.4#

236 28.9 21.2 31.8





#78

Pyrene

Concen: 7.641 ng

RT: 19.944 min Scan# 2834

Delta R.T. 0.004 min

Lab File: BG054812.D

Acq: 31 Aug 2022 18:49

Instrument :

BNA_G

ClientSampleId :

WC-PALM-SP-01

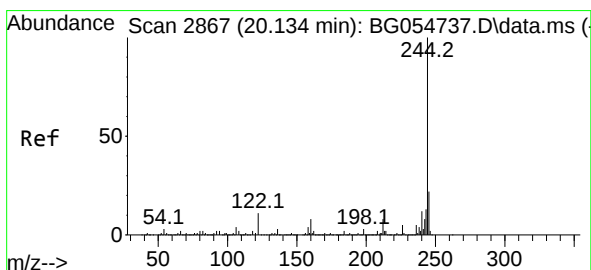
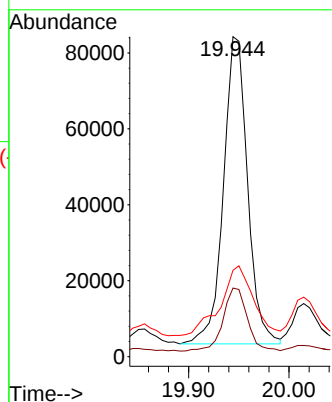
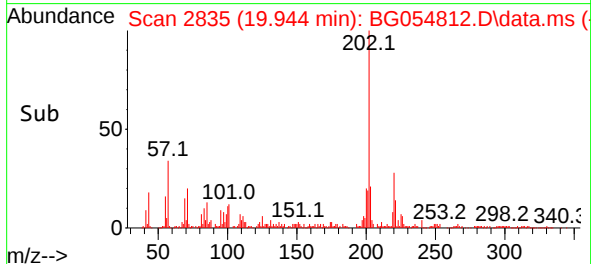
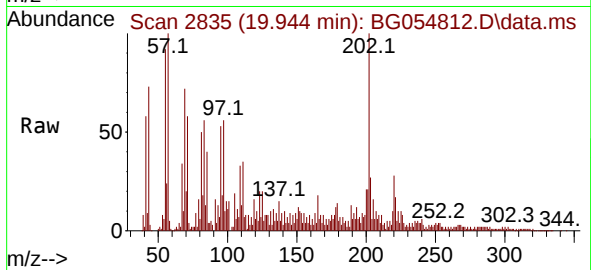
Tgt Ion:202 Resp: 135271

Ion Ratio Lower Upper

202 100

200 21.5 17.8 26.6

203 27.0 14.6 21.8#



#79

Terphenyl-d14

Concen: 6.005 ng

RT: 20.132 min Scan# 2867

Delta R.T. -0.001 min

Lab File: BG054812.D

Acq: 31 Aug 2022 18:49

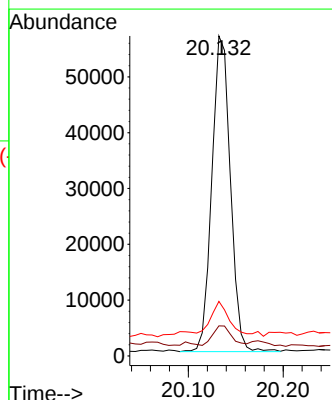
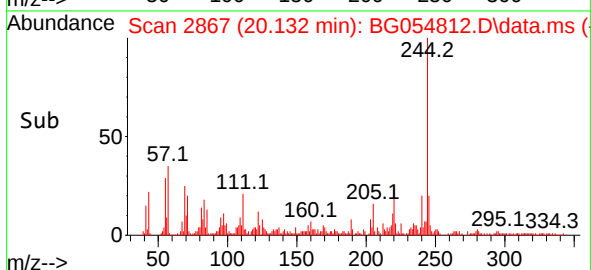
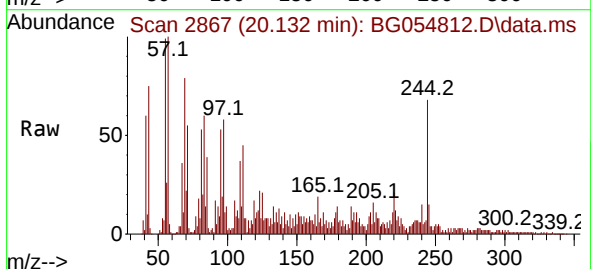
Tgt Ion:244 Resp: 76938

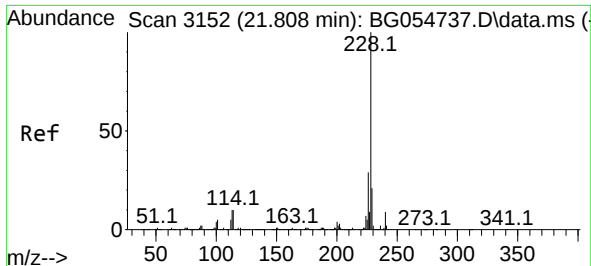
Ion Ratio Lower Upper

244 100

212 9.4 6.2 9.2#

122 17.0 9.0 13.6#

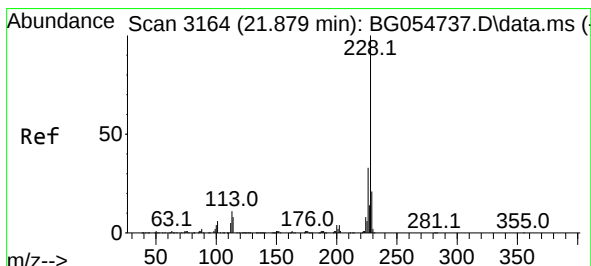
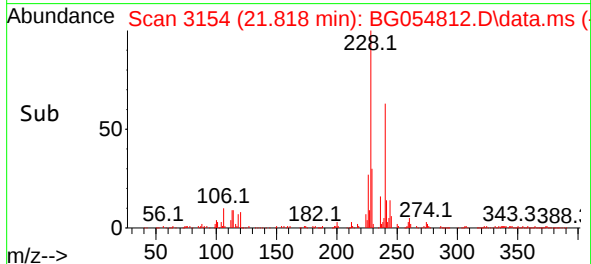
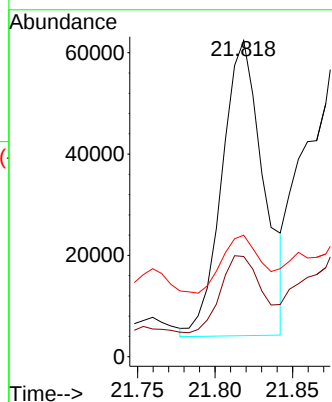
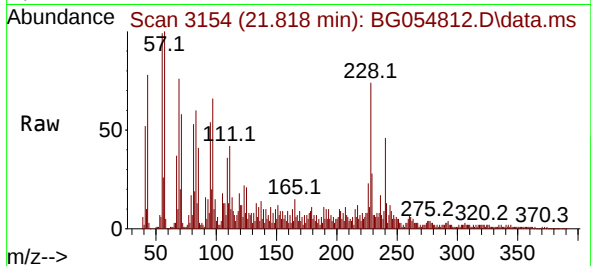




#81
Benzo(a)anthracene
Concen: 6.304 ng
RT: 21.818 min Scan# 3152
Delta R.T. 0.010 min
Lab File: BG054812.D
Acq: 31 Aug 2022 18:49

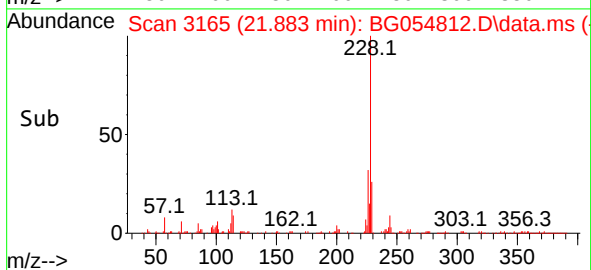
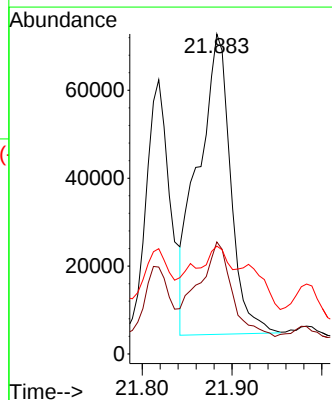
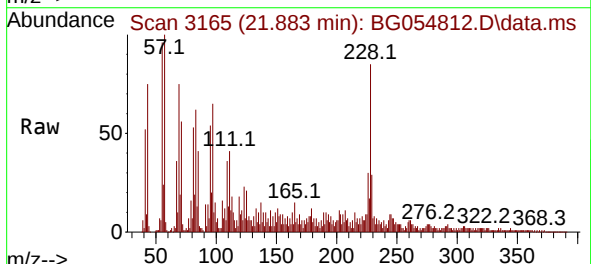
Instrument :
BNA_G
ClientSampleId :
WC-PALM-SP-01

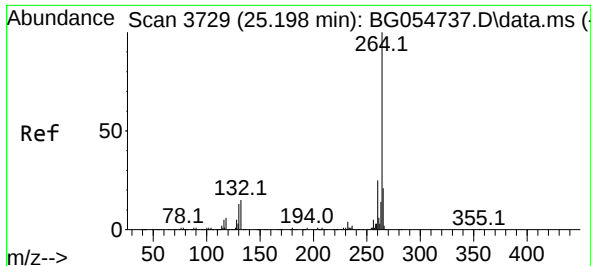
Tgt Ion:228 Resp: 108505
Ion Ratio Lower Upper
228 100
226 31.7 23.4 35.2
229 38.4 16.5 24.7#



#83
Chrysene
Concen: 10.459 ng
RT: 21.883 min Scan# 3165
Delta R.T. 0.004 min
Lab File: BG054812.D
Acq: 31 Aug 2022 18:49

Tgt Ion:228 Resp: 172140
Ion Ratio Lower Upper
228 100
226 35.0 25.5 38.3
229 33.7 16.8 25.2#

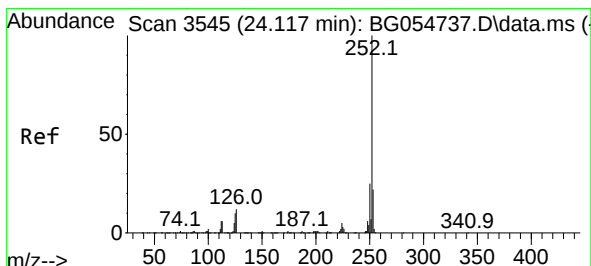
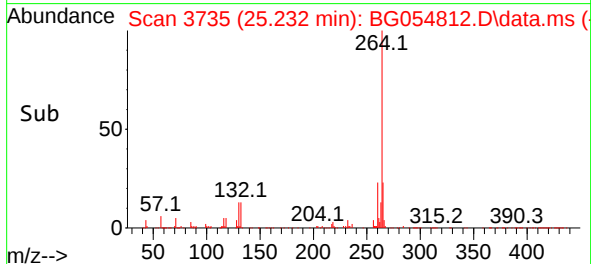
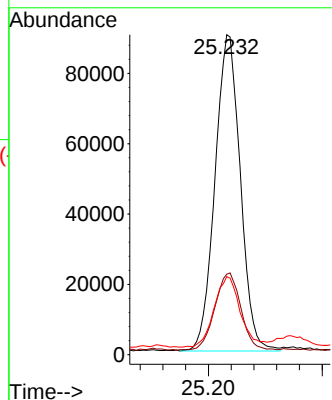
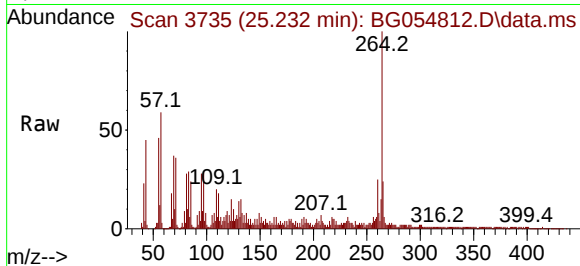




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.232 min Scan# 31
 Delta R.T. 0.034 min
 Lab File: BG054812.D
 Acq: 31 Aug 2022 18:49

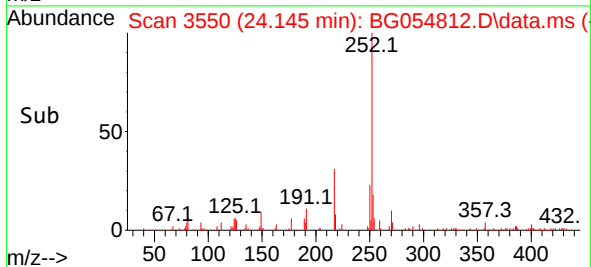
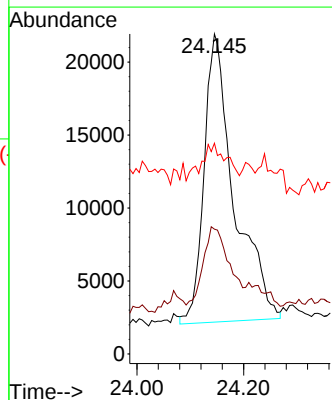
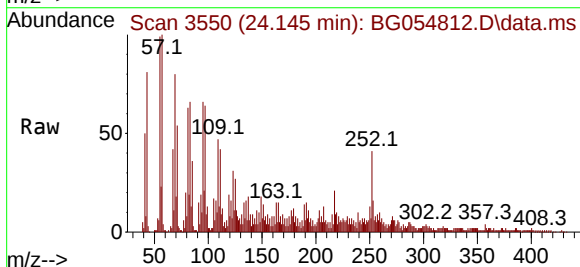
Instrument :
 BNA_G
 ClientSampleId :
 WC-PALM-SP-01

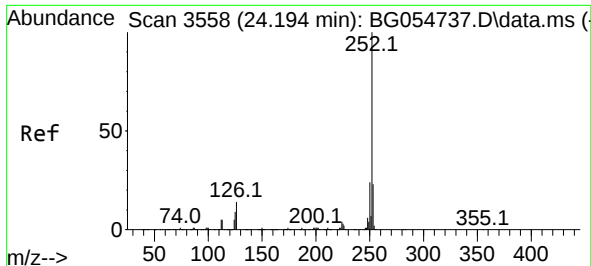
Tgt Ion:	264	Resp:	278289
Ion Ratio	Lower	Upper	
264	100		
260	25.1	19.9	29.9
265	24.4	16.9	25.3



#88
 Benzo(b)fluoranthene
 Concen: 4.440 ng
 RT: 24.145 min Scan# 3550
 Delta R.T. 0.028 min
 Lab File: BG054812.D
 Acq: 31 Aug 2022 18:49

Tgt Ion:	252	Resp:	77510
Ion Ratio	Lower	Upper	
252	100		
253	39.0	18.0	27.0#
125	65.9	8.1	12.1#





#89

Benzo(k)fluoranthene

Concen: 4.412 ng

RT: 24.145 min Scan# 3

Delta R.T. -0.048 min

Lab File: BG054812.D

Acq: 31 Aug 2022 18:49

Instrument :

BNA_G

ClientSampleId :

WC-PALM-SP-01

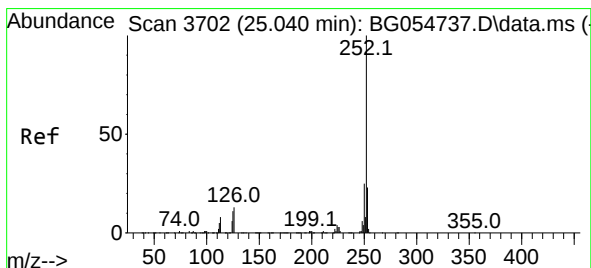
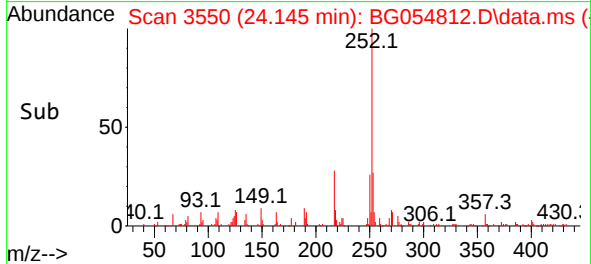
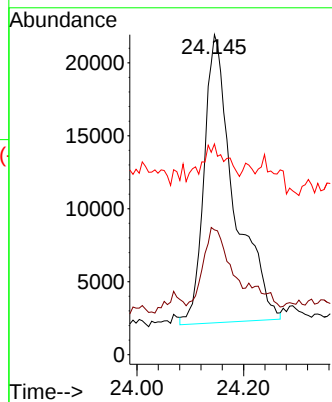
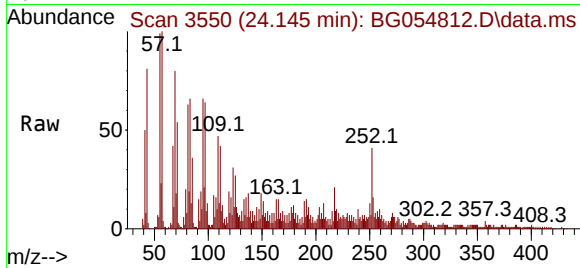
Tgt Ion:252 Resp: 77510

Ion Ratio Lower Upper

252 100

253 39.0 17.8 26.8#

125 65.9 8.2 12.4#



#90

Benzo(a)pyrene

Concen: 4.894 ng

RT: 25.068 min Scan# 3707

Delta R.T. 0.028 min

Lab File: BG054812.D

Acq: 31 Aug 2022 18:49

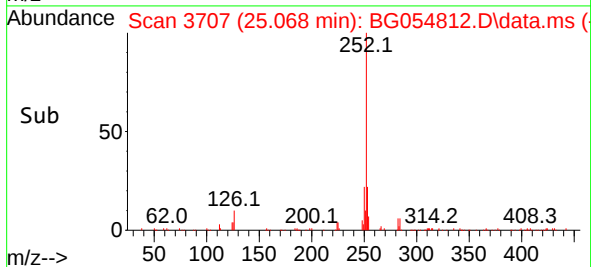
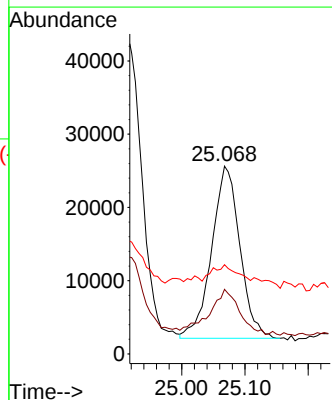
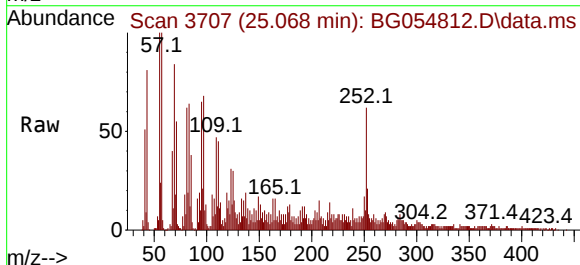
Tgt Ion:252 Resp: 73000

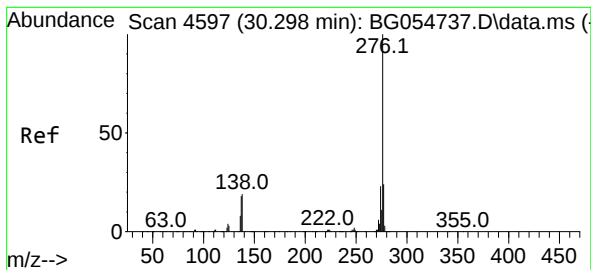
Ion Ratio Lower Upper

252 100

253 34.4 18.3 27.5#

125 47.6 8.8 13.2#





#92

Benzo(g,h,i)perylene

Concen: 3.248 ng

RT: 30.338 min Scan# 4

Delta R.T. 0.040 min

Lab File: BG054812.D

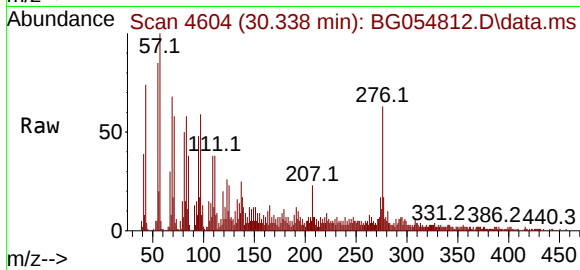
Acq: 31 Aug 2022 18:49

Instrument :

BNA_G

ClientSampleId :

WC-PALM-SP-01



Tgt Ion:276 Resp: 56470

Ion Ratio Lower Upper

276 100

277 27.5 19.4 29.0

138 27.4 16.6 25.0#

