

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG083122\
 Data File : BG054814.D
 Acq On : 31 Aug 2022 20:13
 Operator : CG/JU
 Sample : N4421-06 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 WC-PALM-SP-02

Quant Time: Sep 01 05:06:27 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)

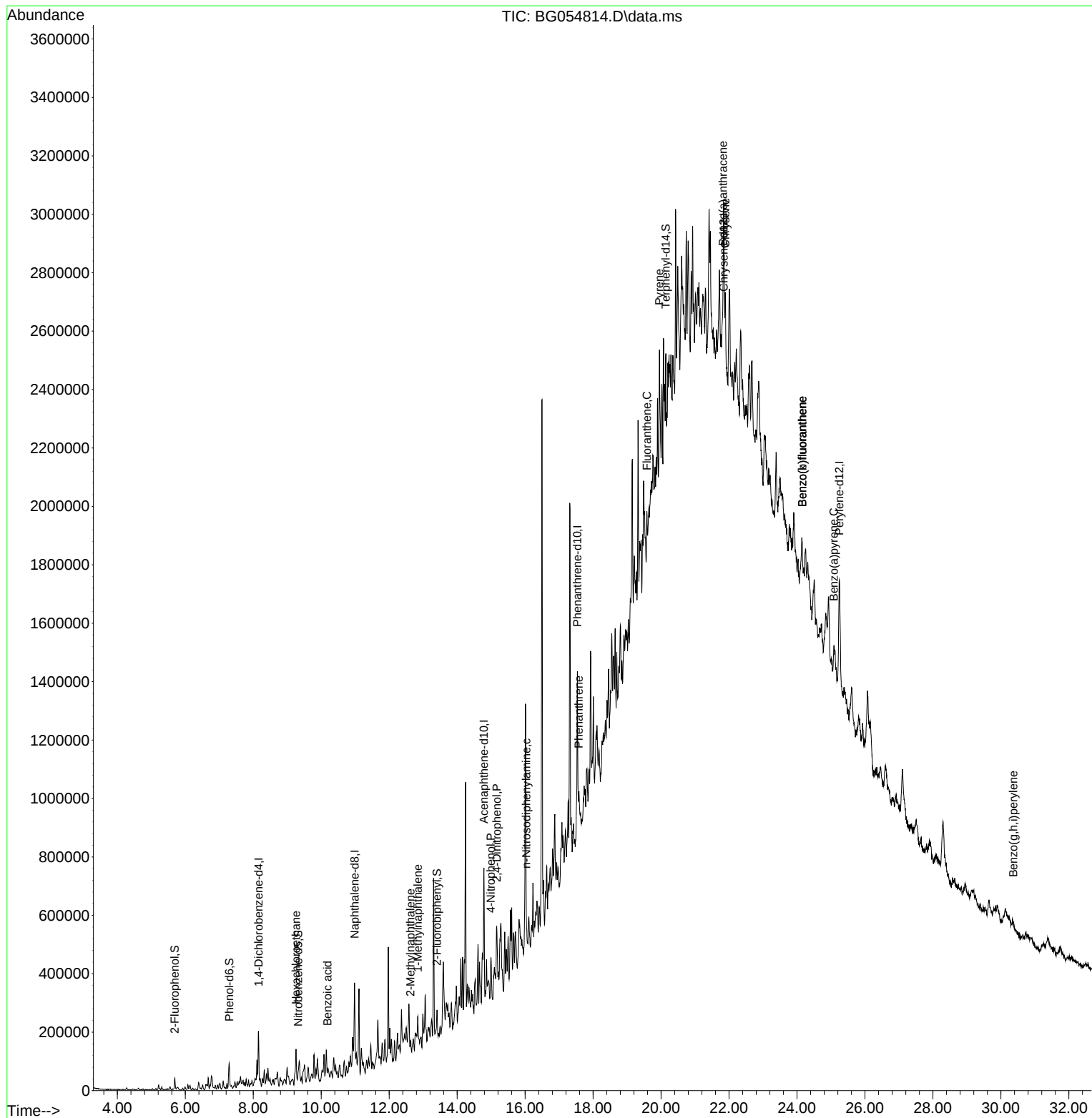
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.153	152	58817	20.000	ng	0.00
21) Naphthalene-d8	10.979	136	230155	20.000	ng	0.00
39) Acenaphthene-d10	14.786	164	144122	20.000	ng	0.00
64) Phenanthrene-d10	17.536	188	288415	20.000	ng	0.00
76) Chrysene-d12	21.843	240	268980	20.000	ng	# 0.02
86) Perylene-d12	25.245	264	298305	20.000	ng	0.05
System Monitoring Compounds						
5) 2-Fluorophenol	5.691	112	19968	5.912	ng	0.00
7) Phenol-d6	7.295	99	29127	6.306	ng	0.00
23) Nitrobenzene-d5	9.322	82	20728	4.728	ng	0.00
42) 2,4,6-Tribromophenol	16.279	330	1671	0.928	ng	0.00
45) 2-Fluorobiphenyl	13.406	172	47961	5.002	ng	0.00
79) Terphenyl-d14	20.139	244	69837	5.144	ng	0.00
Target Compounds						
						Qvalue
18) Hexachloroethane	9.258	117	4150	2.657	ng	# 1
32) Benzoic acid	10.186	122	934	8.158	ng	# 60
37) 2-Methylnaphthalene	12.624	142	27000	3.120	ng	96
38) 1-Methylnaphthalene	12.842	142	27875	3.310	ng	# 97
54) 2,4-Dinitrophenol	15.162	184	551	7.094	ng	# 1
56) 4-Nitrophenol	14.992	139	4722	2.400	ng	# 1
66) n-Nitrosodiphenylamine	16.032	169	25885	3.112	ng	# 46
71) Phenanthrene	17.577	178	66652	4.338	ng	# 90
75) Fluoranthene	19.587	202	55545	2.972	ng	80
78) Pyrene	19.951	202	152471	8.129	ng	# 89
81) Benzo(a)anthracene	21.819	228	124829	6.845	ng	# 77
83) Chrysene	21.890	228	223399	12.811	ng	# 86
88) Benzo(b)fluoranthene	24.158	252	76694	4.098	ng	# 26
89) Benzo(k)fluoranthene	24.158	252	76694	4.072	ng	# 26
90) Benzo(a)pyrene	25.080	252	86743	5.426	ng	# 52
92) Benzo(g,h,i)perylene	30.362	276	66620	3.574	ng	# 85

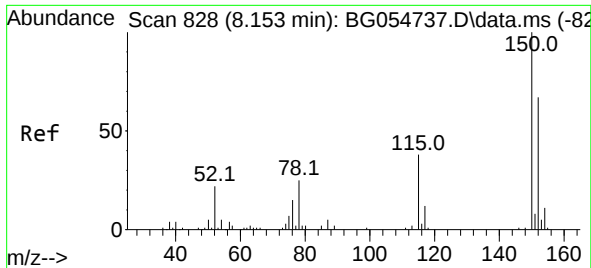
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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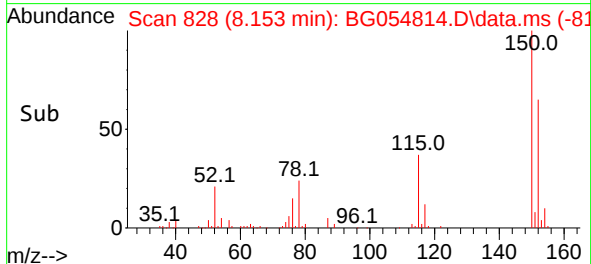
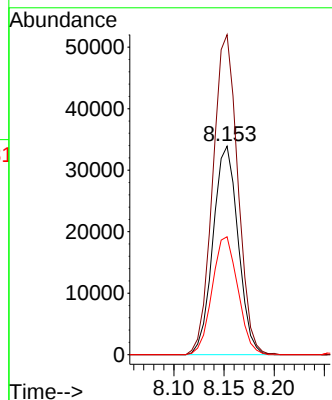
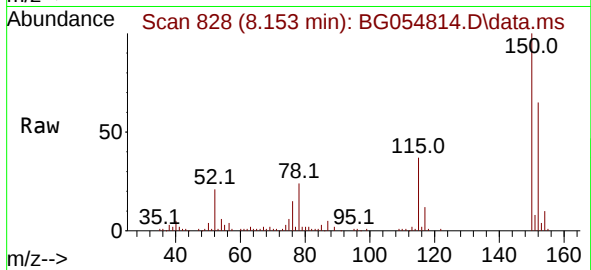




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.153 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG054814.D
Acq: 31 Aug 2022 20:13

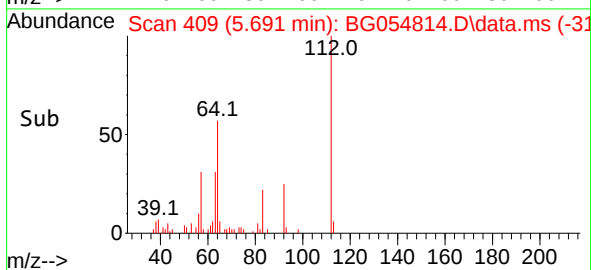
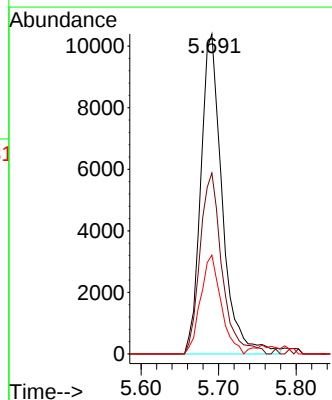
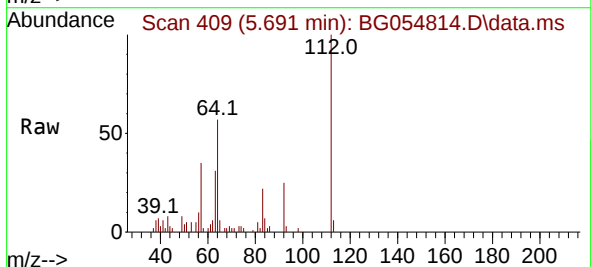
Instrument :
BNA_G
ClientSampleId :
WC-PALM-SP-02

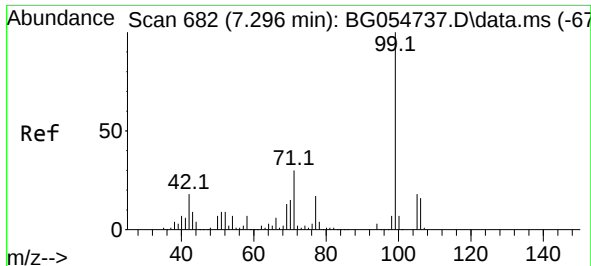
Tgt Ion:152 Resp: 58817
Ion Ratio Lower Upper
152 100
150 153.5 125.2 187.8
115 56.5 47.9 71.9



#5
2-Fluorophenol
Concen: 5.912 ng
RT: 5.691 min Scan# 409
Delta R.T. 0.005 min
Lab File: BG054814.D
Acq: 31 Aug 2022 20:13

Tgt Ion:112 Resp: 19968
Ion Ratio Lower Upper
112 100
64 56.6 49.3 73.9
63 30.9 26.3 39.5

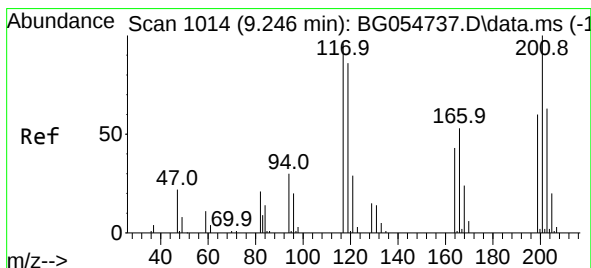
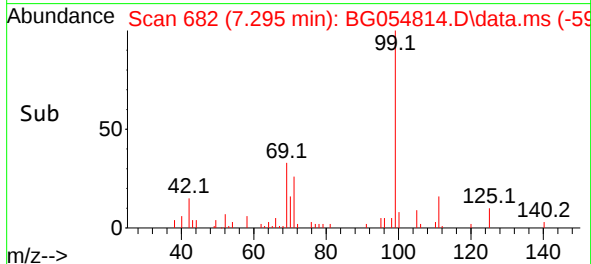
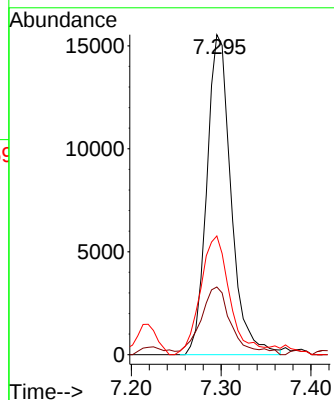
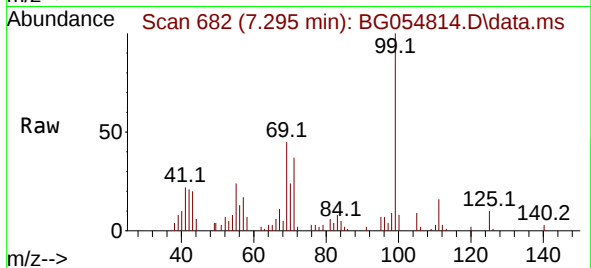




#7
Phenol-d6
Concen: 6.306 ng
RT: 7.295 min Scan# 61
Delta R.T. -0.000 min
Lab File: BG054814.D
Acq: 31 Aug 2022 20:13

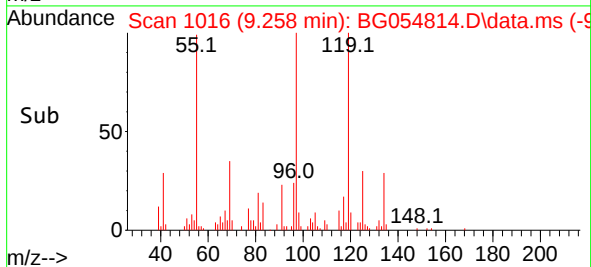
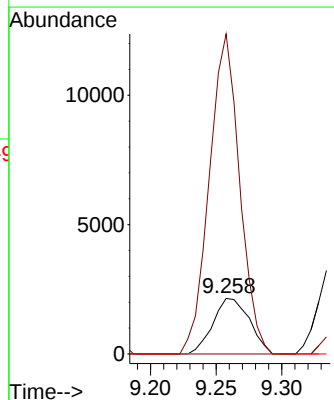
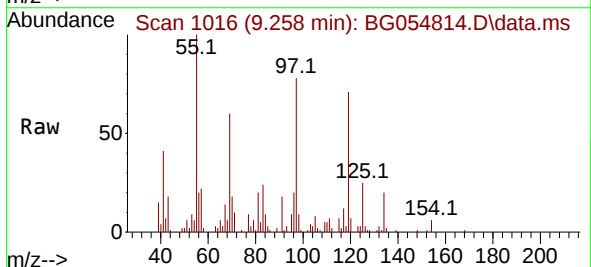
Instrument :
BNA_G
ClientSampleId :
WC-PALM-SP-02

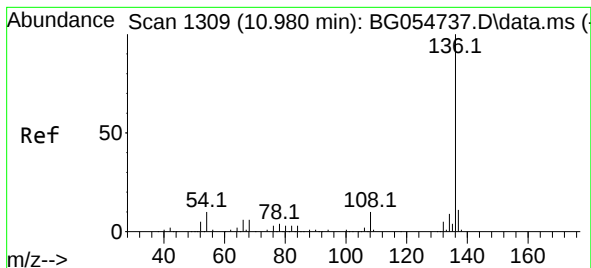
Tgt Ion: 99 Resp: 29127
Ion Ratio Lower Upper
99 100
42 21.2 14.6 22.0
71 37.1 24.6 37.0#



#18
Hexachloroethane
Concen: 2.657 ng
RT: 9.258 min Scan# 1016
Delta R.T. 0.011 min
Lab File: BG054814.D
Acq: 31 Aug 2022 20:13

Tgt Ion: 117 Resp: 4150
Ion Ratio Lower Upper
117 100
119 576.2 77.0 115.6#
201 0.0 87.2 130.8#

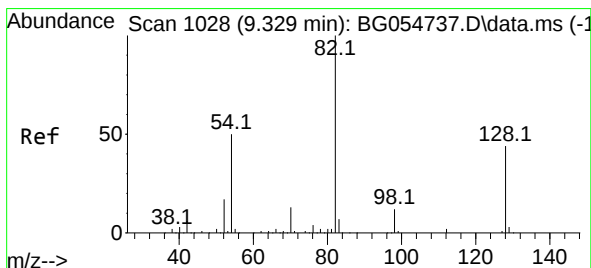
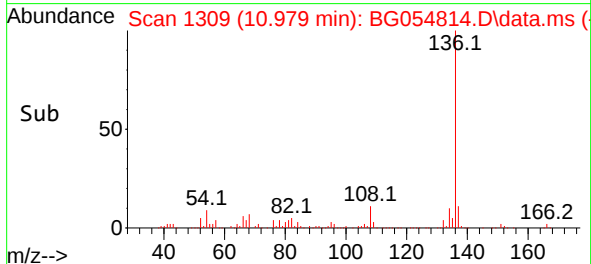
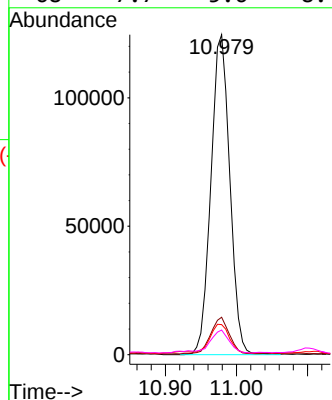
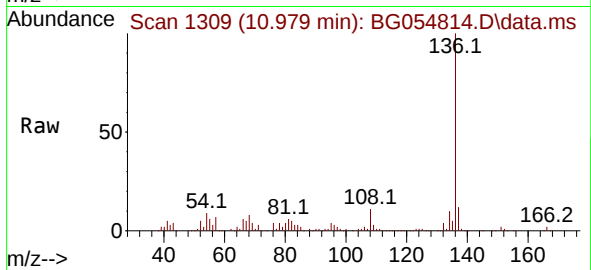




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.979 min Scan# 11
Delta R.T. -0.001 min
Lab File: BG054814.D
Acq: 31 Aug 2022 20:13

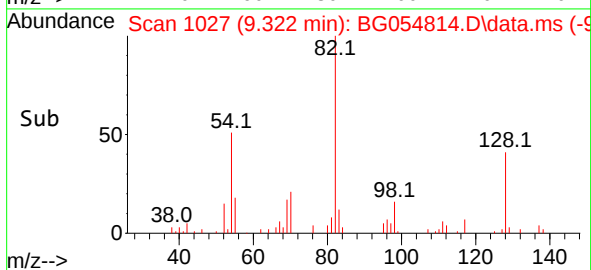
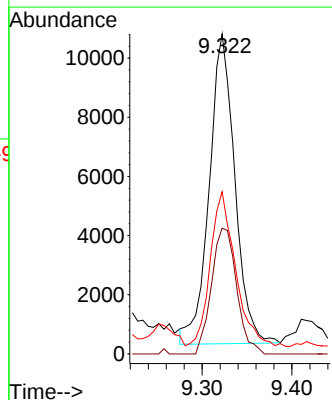
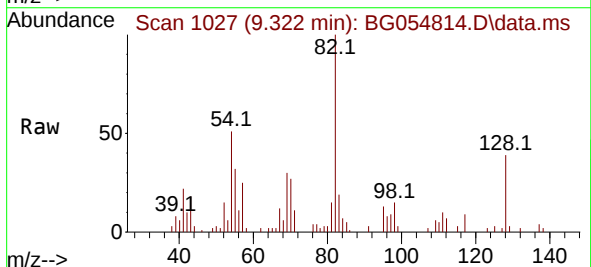
Instrument :
BNA_G
ClientSampleId :
WC-PALM-SP-02

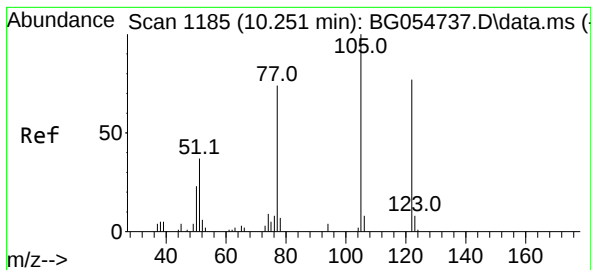
Tgt Ion:	136	Resp:	230155
Ion	Ratio	Lower	Upper
136	100		
137	11.7	9.2	13.8
54	9.4	7.7	11.5
68	7.7	5.6	8.4



#23
Nitrobenzene-d5
Concen: 4.728 ng
RT: 9.322 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BG054814.D
Acq: 31 Aug 2022 20:13

Tgt Ion:	82	Resp:	20728
Ion	Ratio	Lower	Upper
82	100		
128	39.3	32.2	48.2
54	50.7	41.4	62.0

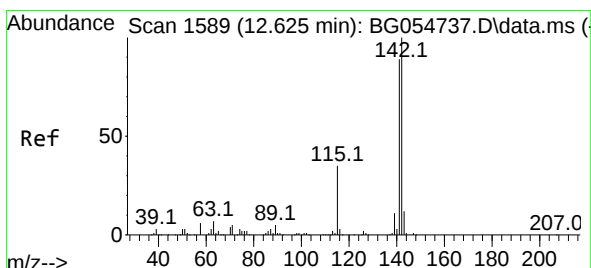
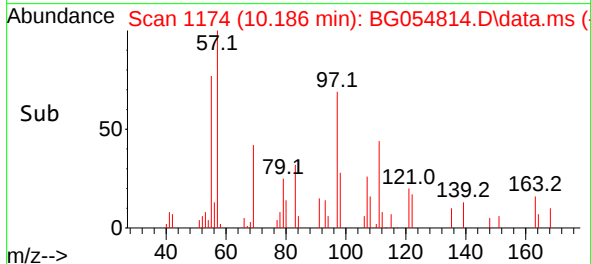
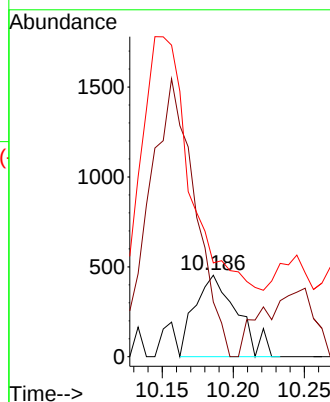
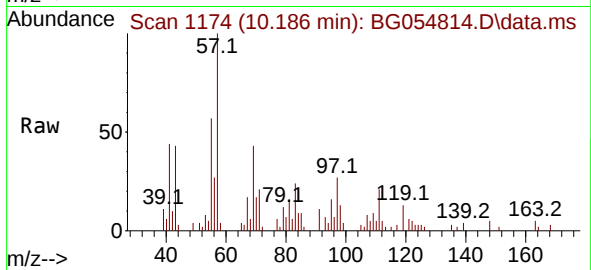




#32
Benzoic acid
Concen: 8.158 ng
RT: 10.186 min Scan# 1185
Delta R.T. -0.065 min
Lab File: BG054814.D
Acq: 31 Aug 2022 20:13

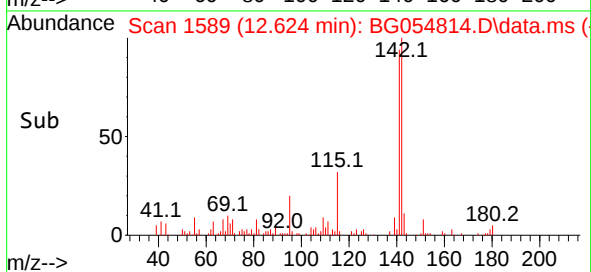
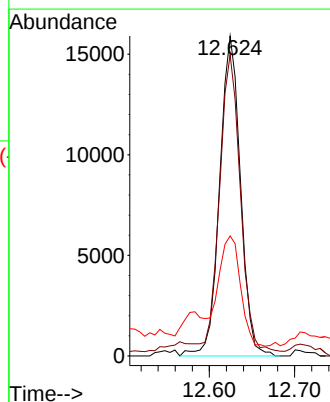
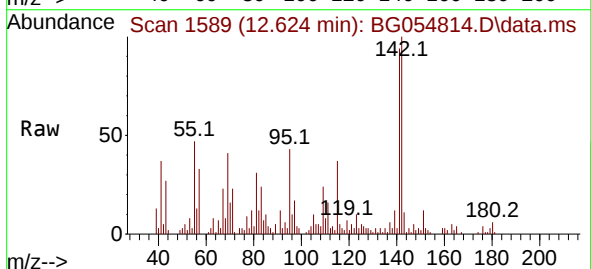
Instrument :
BNA_G
ClientSampleId :
WC-PALM-SP-02

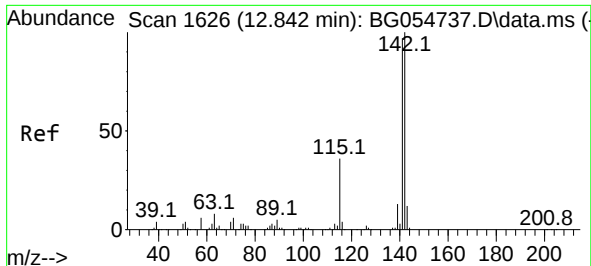
Tgt Ion:122 Resp: 934
Ion Ratio Lower Upper
122 100
105 67.3 101.5 141.5#
77 115.2 69.3 109.3#



#37
2-Methylnaphthalene
Concen: 3.120 ng
RT: 12.624 min Scan# 1589
Delta R.T. -0.000 min
Lab File: BG054814.D
Acq: 31 Aug 2022 20:13

Tgt Ion:142 Resp: 27000
Ion Ratio Lower Upper
142 100
141 94.2 73.0 109.4
115 37.5 27.3 40.9

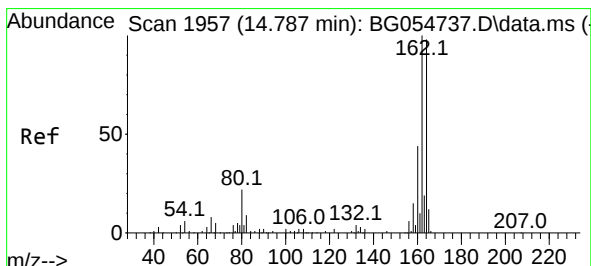
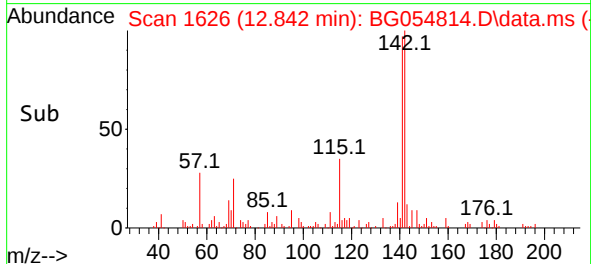
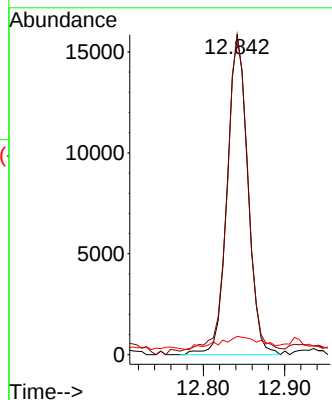
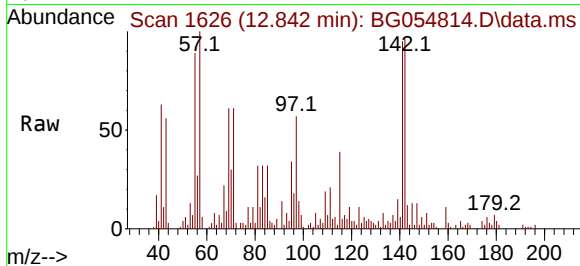




#38
1-Methylnaphthalene
Concen: 3.310 ng
RT: 12.842 min Scan# 1
Delta R.T. -0.000 min
Lab File: BG054814.D
Acq: 31 Aug 2022 20:13

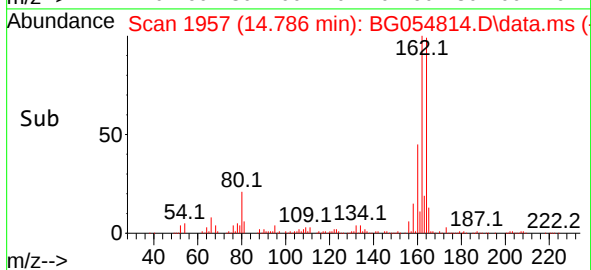
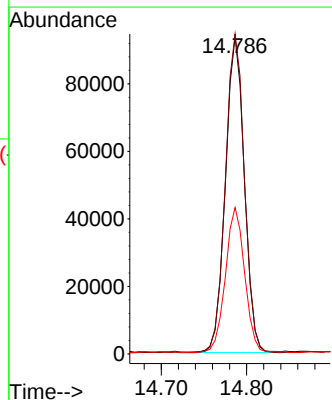
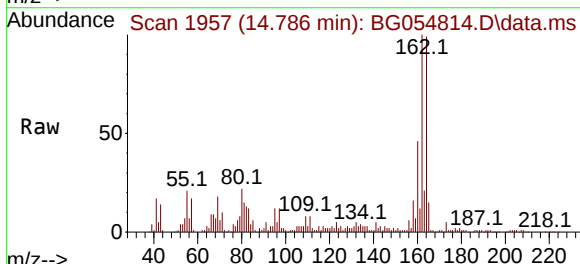
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ClientSampleId :
WC-PALM-SP-02

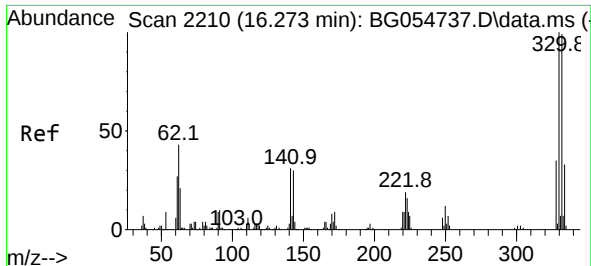
Tgt Ion:142 Resp: 27875
Ion Ratio Lower Upper
142 100
141 99.1 77.4 116.0
116 5.7 3.0 4.4#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.786 min Scan# 1957
Delta R.T. -0.001 min
Lab File: BG054814.D
Acq: 31 Aug 2022 20:13

Tgt Ion:164 Resp: 144122
Ion Ratio Lower Upper
164 100
162 101.0 83.0 124.4
160 46.2 38.0 57.0

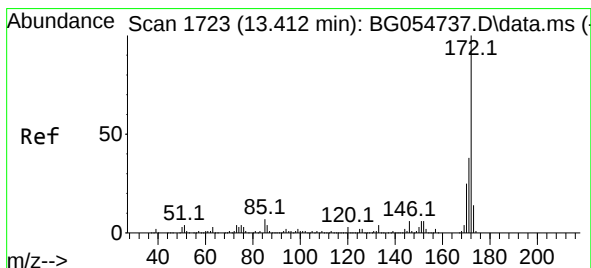
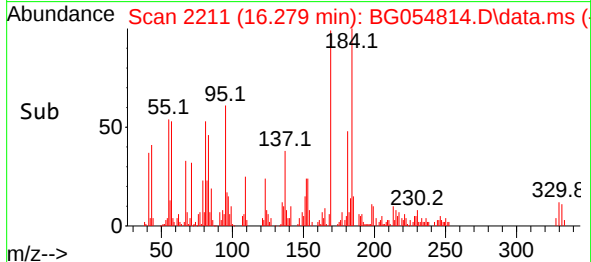
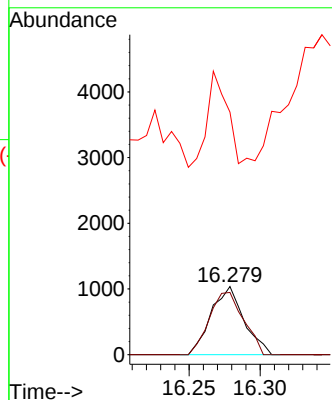
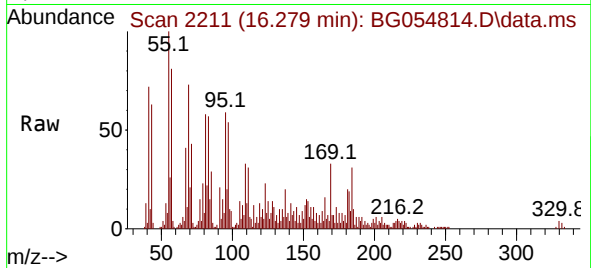




#42
2,4,6-Tribromophenol
Concen: 0.928 ng
RT: 16.279 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG054814.D
Acq: 31 Aug 2022 20:13

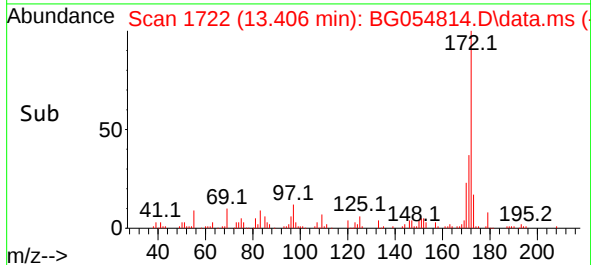
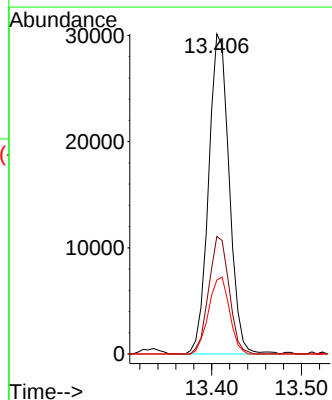
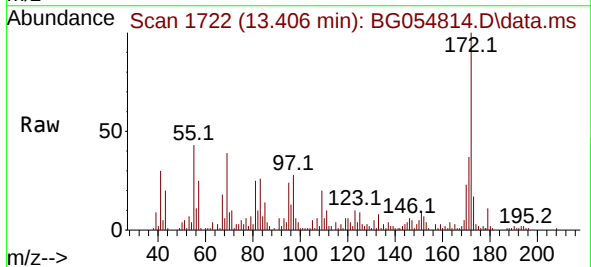
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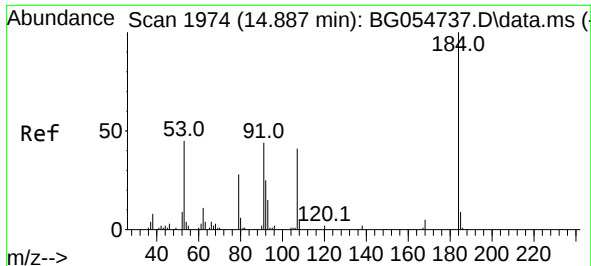
Tgt Ion:330 Resp: 1671
Ion Ratio Lower Upper
330 100
332 95.4 79.8 119.6
141 90.9 26.8 40.2#



#45
2-Fluorobiphenyl
Concen: 5.002 ng
RT: 13.406 min Scan# 1722
Delta R.T. -0.006 min
Lab File: BG054814.D
Acq: 31 Aug 2022 20:13

Tgt Ion:172 Resp: 47961
Ion Ratio Lower Upper
172 100
171 36.7 31.2 46.8
170 23.1 20.6 30.8

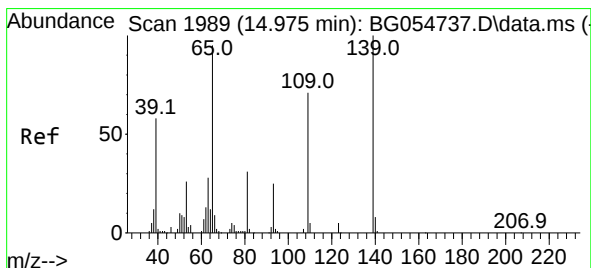
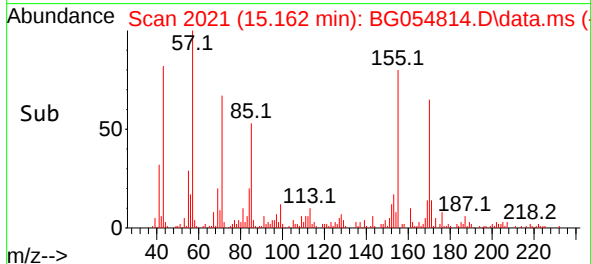
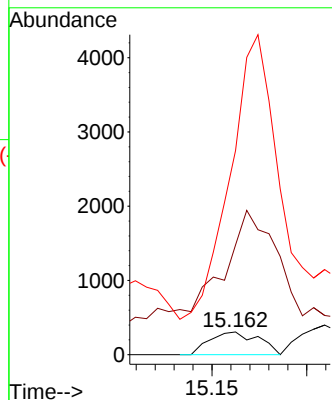
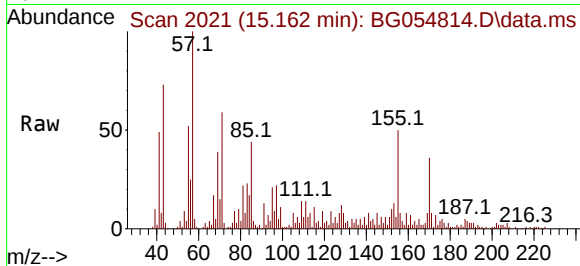




#54
2,4-Dinitrophenol
Concen: 7.094 ng
RT: 15.162 min Scan# 20
Delta R.T. 0.275 min
Lab File: BG054814.D
Acq: 31 Aug 2022 20:13

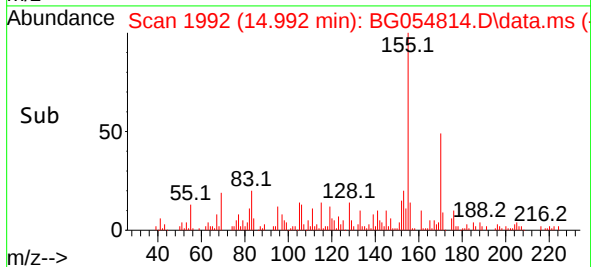
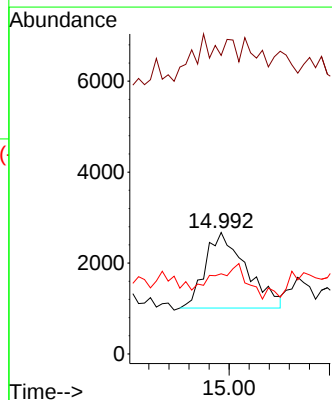
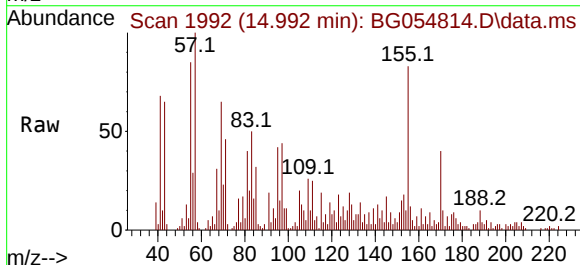
Instrument :
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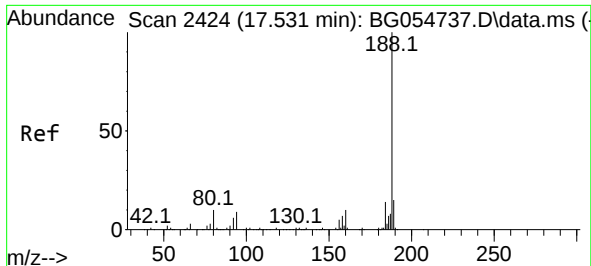
Tgt Ion:184 Resp: 551
Ion Ratio Lower Upper
184 100
63 481.8 41.8 62.8#
154 895.4 45.2 67.8#



#56
4-Nitrophenol
Concen: 2.400 ng
RT: 14.992 min Scan# 1992
Delta R.T. 0.017 min
Lab File: BG054814.D
Acq: 31 Aug 2022 20:13

Tgt Ion:139 Resp: 4722
Ion Ratio Lower Upper
139 100
109 245.8 50.5 90.5#
65 66.0 79.9 119.9#

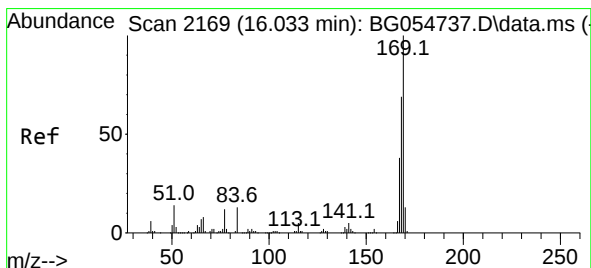
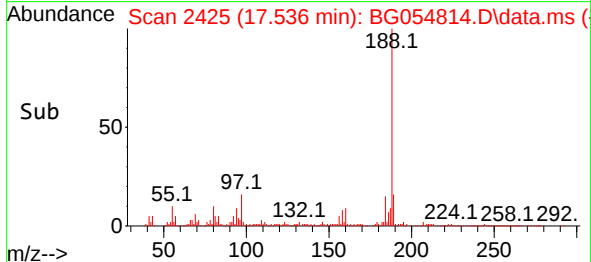
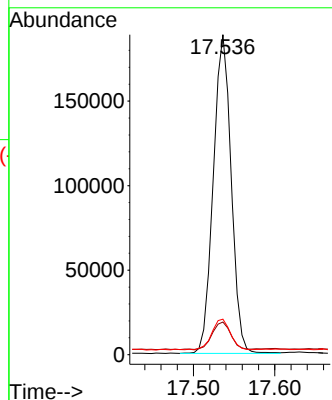
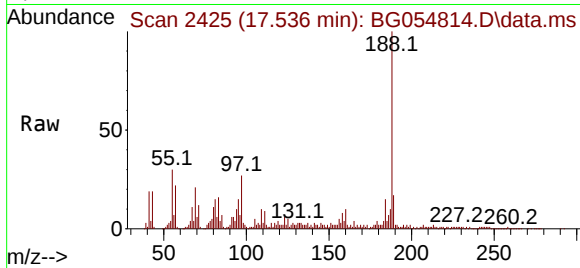




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.536 min Scan# 2424
Delta R.T. 0.005 min
Lab File: BG054814.D
Acq: 31 Aug 2022 20:13

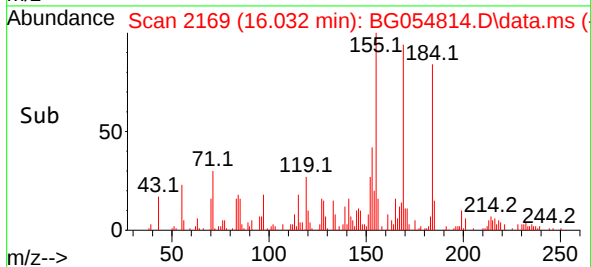
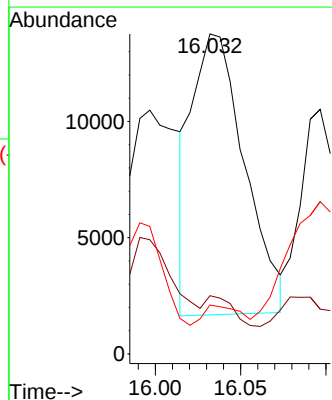
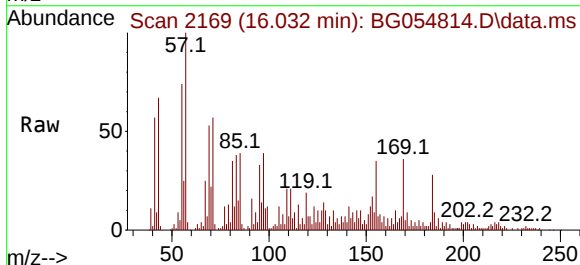
Instrument :
BNA_G
ClientSampleId :
WC-PALM-SP-02

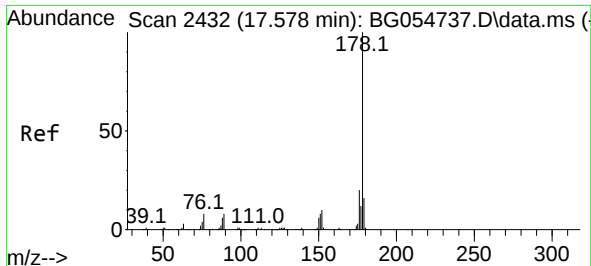
Tgt Ion:188 Resp: 288415
Ion Ratio Lower Upper
188 100
94 10.2 7.0 10.4
80 11.1 7.9 11.9



#66
n-Nitrosodiphenylamine
Concen: 3.112 ng
RT: 16.032 min Scan# 2169
Delta R.T. -0.000 min
Lab File: BG054814.D
Acq: 31 Aug 2022 20:13

Tgt Ion:169 Resp: 25885
Ion Ratio Lower Upper
169 100
168 18.2 55.6 83.4#
167 15.3 30.9 46.3#

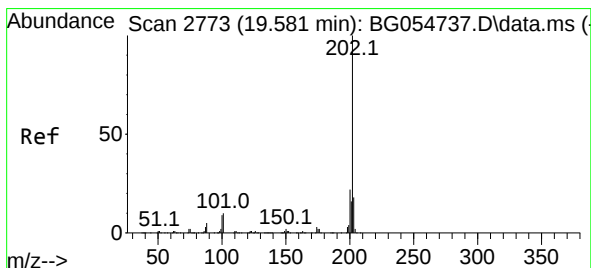
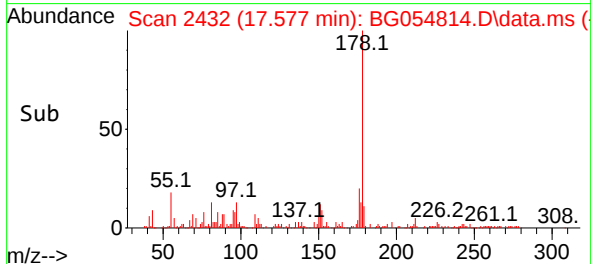
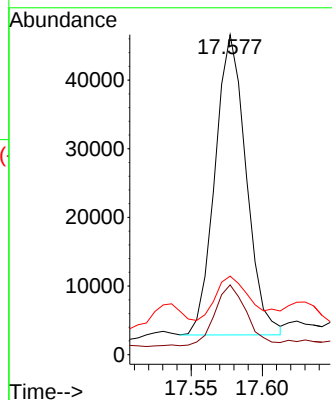
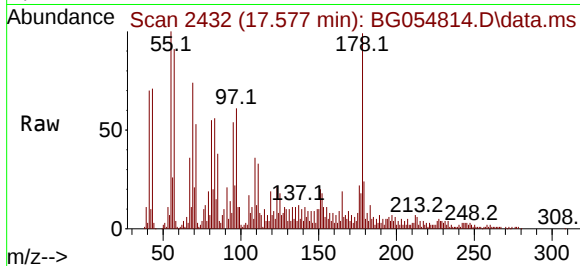




#71
Phenanthrene
Concen: 4.338 ng
RT: 17.577 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BG054814.D
Acq: 31 Aug 2022 20:13

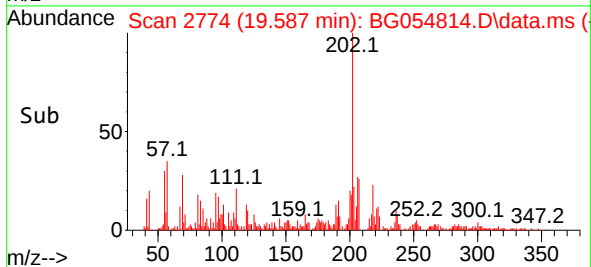
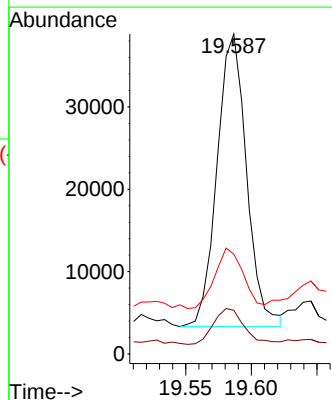
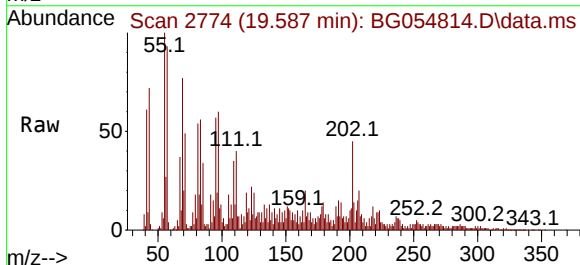
Instrument :
BNA_G
ClientSampleId :
WC-PALM-SP-02

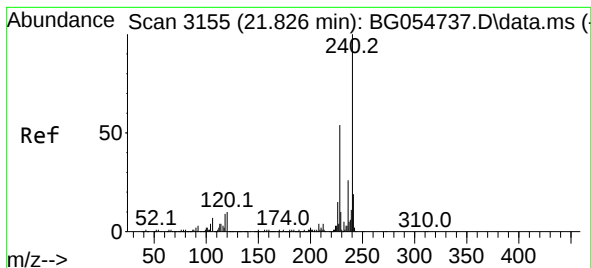
Tgt Ion:178 Resp: 66652
Ion Ratio Lower Upper
178 100
176 21.8 16.6 25.0
179 24.6 12.8 19.2#



#75
Fluoranthene
Concen: 2.972 ng
RT: 19.587 min Scan# 2774
Delta R.T. 0.005 min
Lab File: BG054814.D
Acq: 31 Aug 2022 20:13

Tgt Ion:202 Resp: 55545
Ion Ratio Lower Upper
202 100
101 13.6 0.0 31.4
203 31.2 0.0 38.6





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.843 min Scan# 3158

Delta R.T. 0.017 min

Lab File: BG054814.D

Acq: 31 Aug 2022 20:13

Instrument :

BNA_G

ClientSampleId :

WC-PALM-SP-02

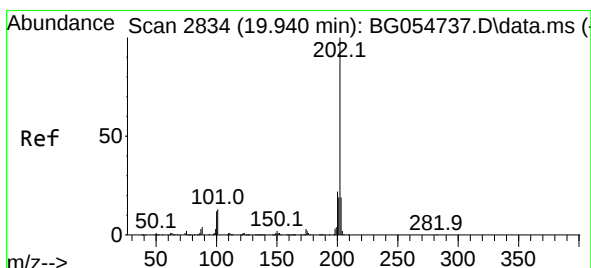
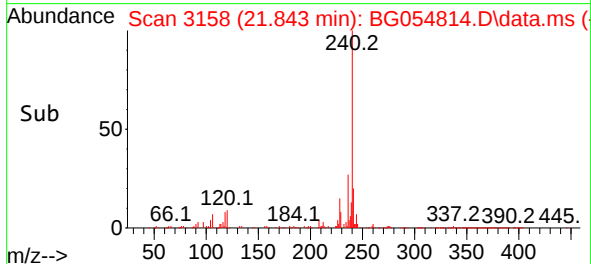
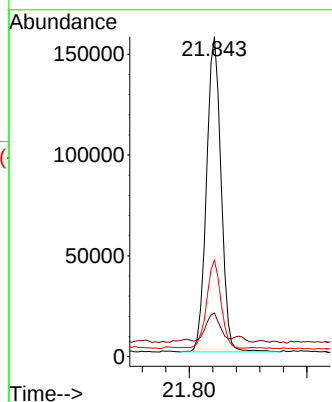
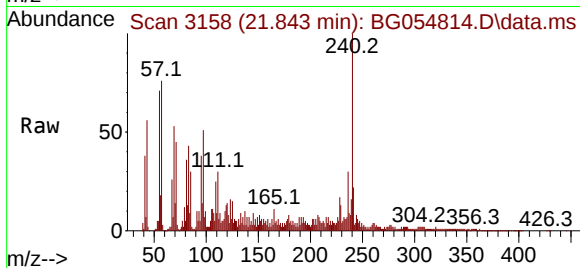
Tgt Ion:240 Resp: 268980

Ion Ratio Lower Upper

240 100

120 13.6 8.2 12.4#

236 30.2 21.2 31.8



#78

Pyrene

Concen: 8.129 ng

RT: 19.951 min Scan# 2836

Delta R.T. 0.011 min

Lab File: BG054814.D

Acq: 31 Aug 2022 20:13

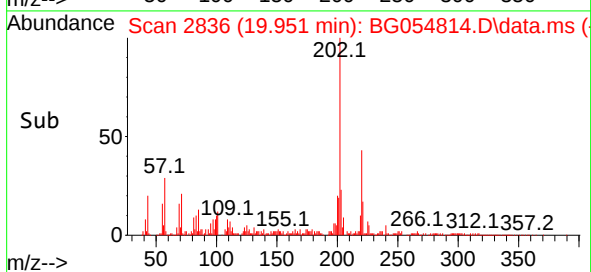
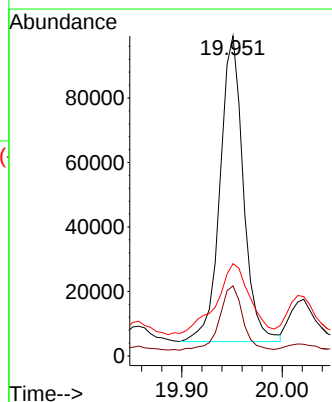
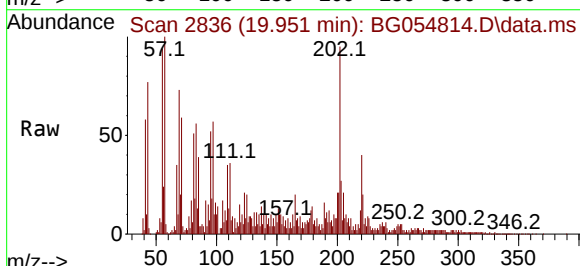
Tgt Ion:202 Resp: 152471

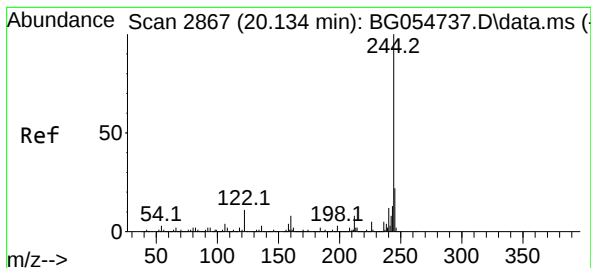
Ion Ratio Lower Upper

202 100

200 21.9 17.8 26.6

203 28.8 14.6 21.8#





#79

Terphenyl-d14

Concen: 5.144 ng

RT: 20.139 min Scan# 21

Delta R.T. 0.005 min

Lab File: BG054814.D

Acq: 31 Aug 2022 20:13

Instrument :

BNA_G

ClientSampleId :

WC-PALM-SP-02

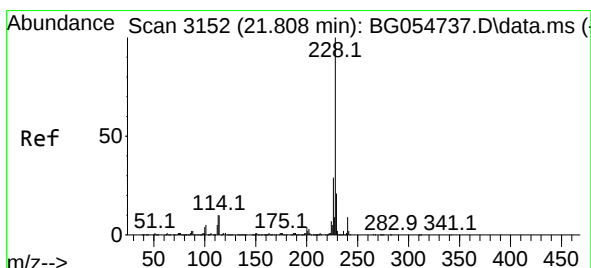
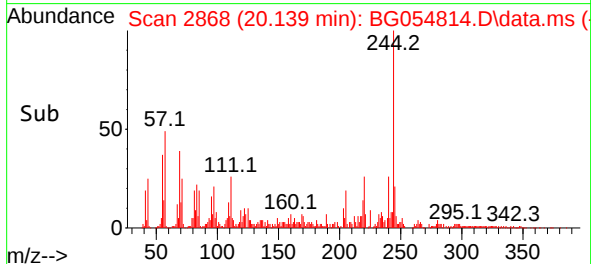
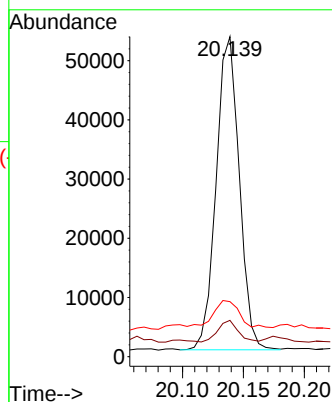
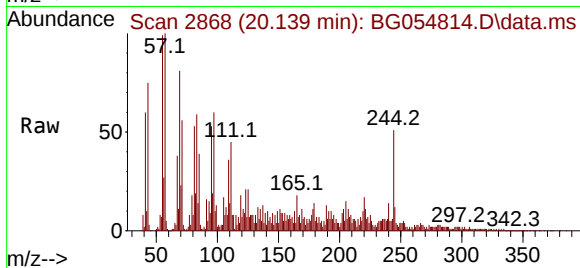
Tgt Ion:244 Resp: 69837

Ion Ratio Lower Upper

244 100

212 11.3 6.2 9.2#

122 17.2 9.0 13.6#



#81

Benzo(a)anthracene

Concen: 6.845 ng

RT: 21.819 min Scan# 3154

Delta R.T. 0.011 min

Lab File: BG054814.D

Acq: 31 Aug 2022 20:13

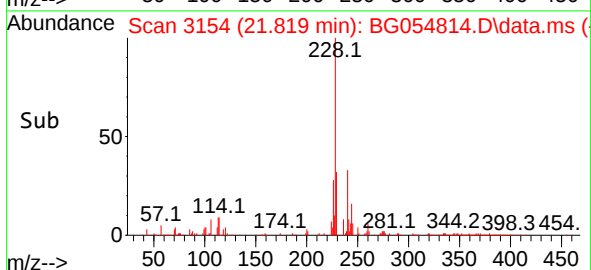
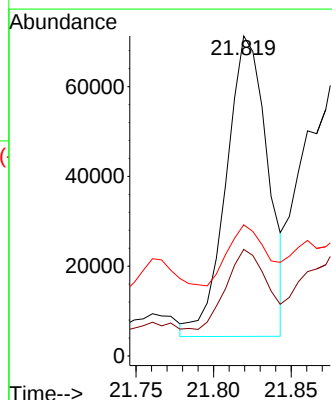
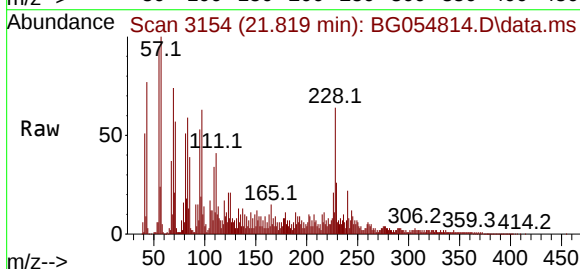
Tgt Ion:228 Resp: 124829

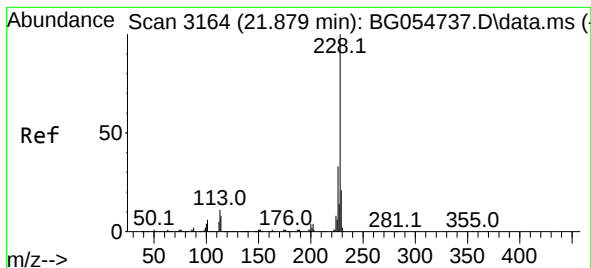
Ion Ratio Lower Upper

228 100

226 33.3 23.4 35.2

229 41.0 16.5 24.7#





#83

Chrysene

Concen: 12.811 ng

RT: 21.890 min Scan# 3166

Delta R.T. 0.011 min

Lab File: BG054814.D

Acq: 31 Aug 2022 20:13

Instrument :

BNA_G

ClientSampleId :

WC-PALM-SP-02

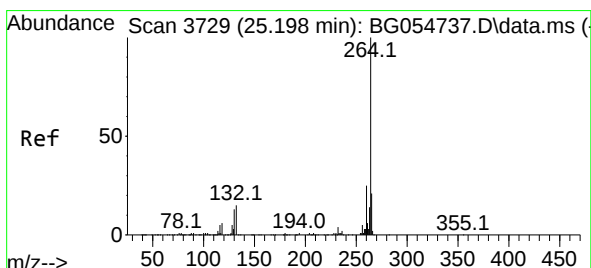
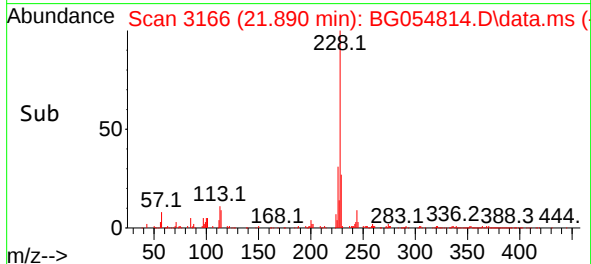
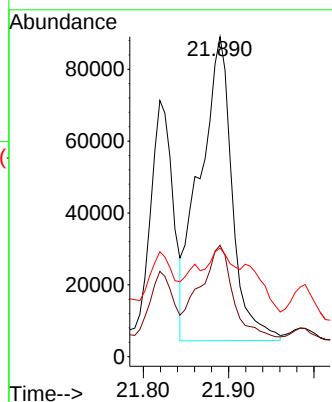
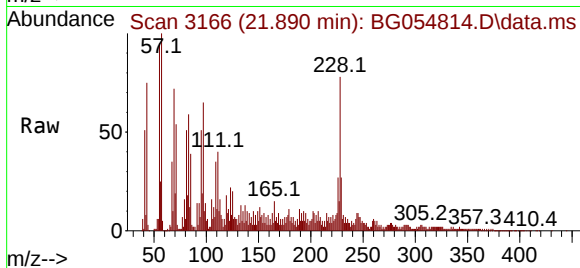
Tgt Ion:228 Resp: 223399

Ion Ratio Lower Upper

228 100

226 34.8 25.5 38.3

229 33.9 16.8 25.2#



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.245 min Scan# 3737

Delta R.T. 0.047 min

Lab File: BG054814.D

Acq: 31 Aug 2022 20:13

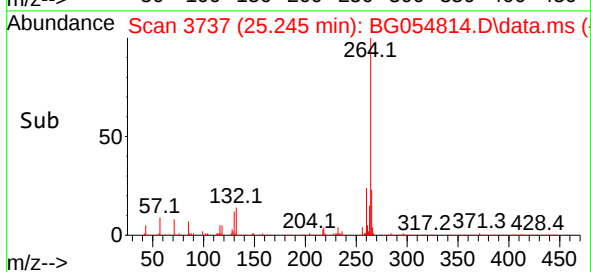
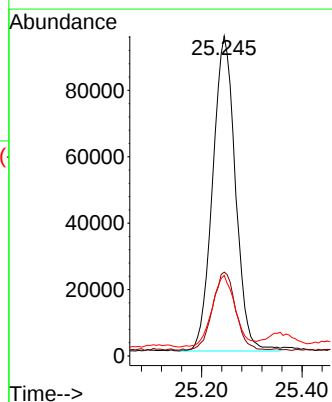
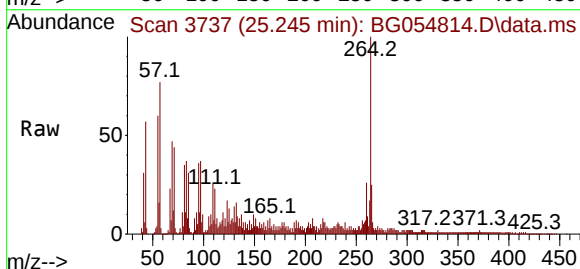
Tgt Ion:264 Resp: 298305

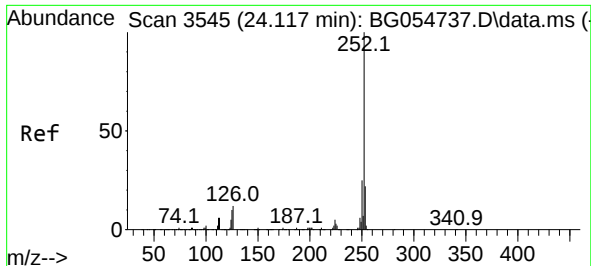
Ion Ratio Lower Upper

264 100

260 26.2 19.9 29.9

265 25.2 16.9 25.3

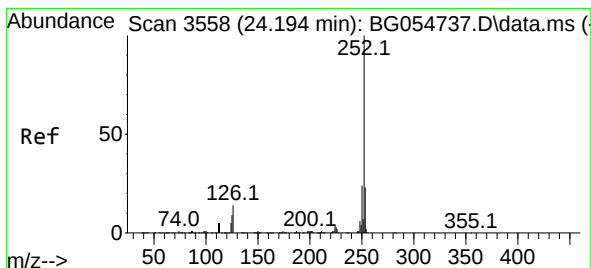
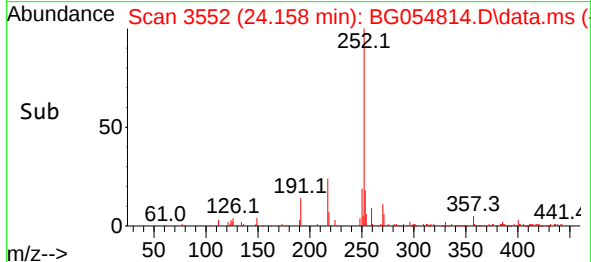
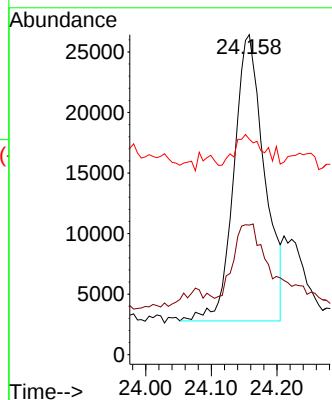
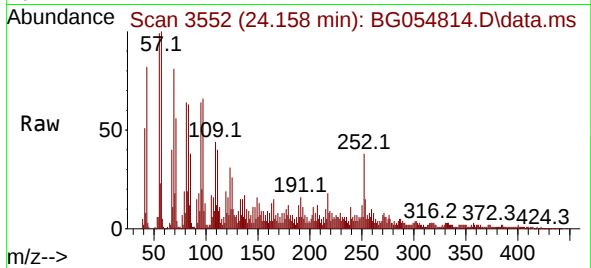




#88
Benzo(b)fluoranthene
Concen: 4.098 ng
RT: 24.158 min Scan# 3552
Delta R.T. 0.041 min
Lab File: BG054814.D
Acq: 31 Aug 2022 20:13

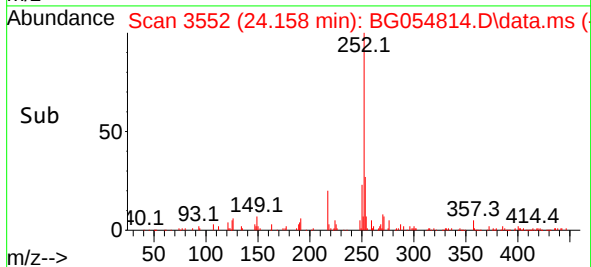
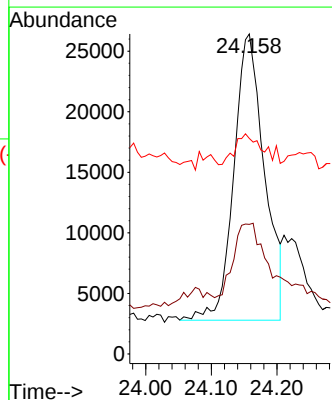
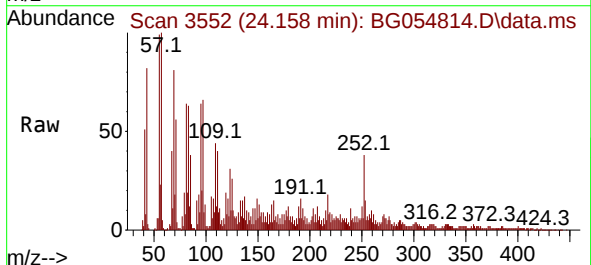
Instrument :
BNA_G
ClientSampleId :
WC-PALM-SP-02

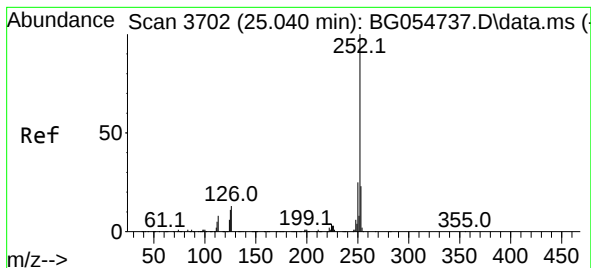
Tgt Ion:252 Resp: 76694
Ion Ratio Lower Upper
252 100
253 40.5 18.0 27.0#
125 67.4 8.1 12.1#



#89
Benzo(k)fluoranthene
Concen: 4.072 ng
RT: 24.158 min Scan# 3552
Delta R.T. -0.036 min
Lab File: BG054814.D
Acq: 31 Aug 2022 20:13

Tgt Ion:252 Resp: 76694
Ion Ratio Lower Upper
252 100
253 40.5 17.8 26.8#
125 67.4 8.2 12.4#





#90

Benzo(a)pyrene

Concen: 5.426 ng

RT: 25.080 min Scan# 31

Delta R.T. 0.041 min

Lab File: BG054814.D

Acq: 31 Aug 2022 20:13

Instrument :

BNA_G

ClientSampleId :

WC-PALM-SP-02

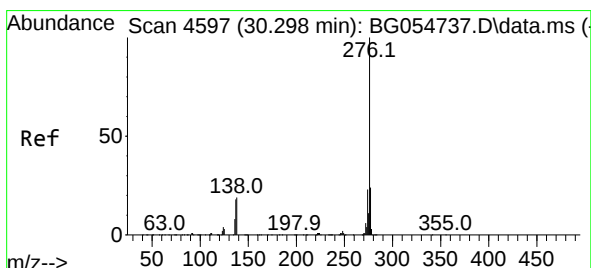
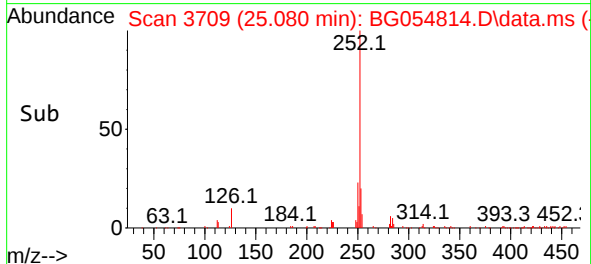
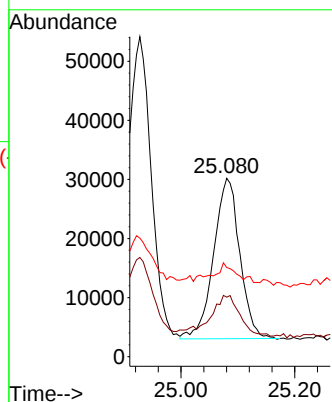
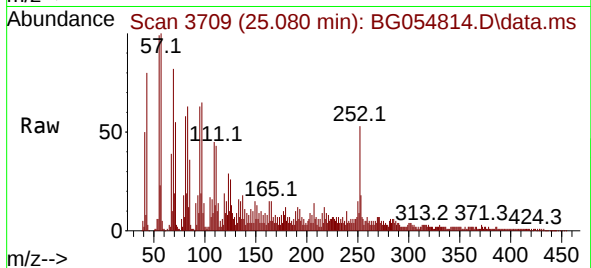
Tgt Ion:252 Resp: 86743

Ion Ratio Lower Upper

252 100

253 33.3 18.3 27.5#

125 49.9 8.8 13.2#



#92

Benzo(g,h,i)perylene

Concen: 3.574 ng

RT: 30.362 min Scan# 4608

Delta R.T. 0.064 min

Lab File: BG054814.D

Acq: 31 Aug 2022 20:13

Tgt Ion:276 Resp: 66620

Ion Ratio Lower Upper

276 100

277 30.9 19.4 29.0#

138 28.5 16.6 25.0#

