

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)

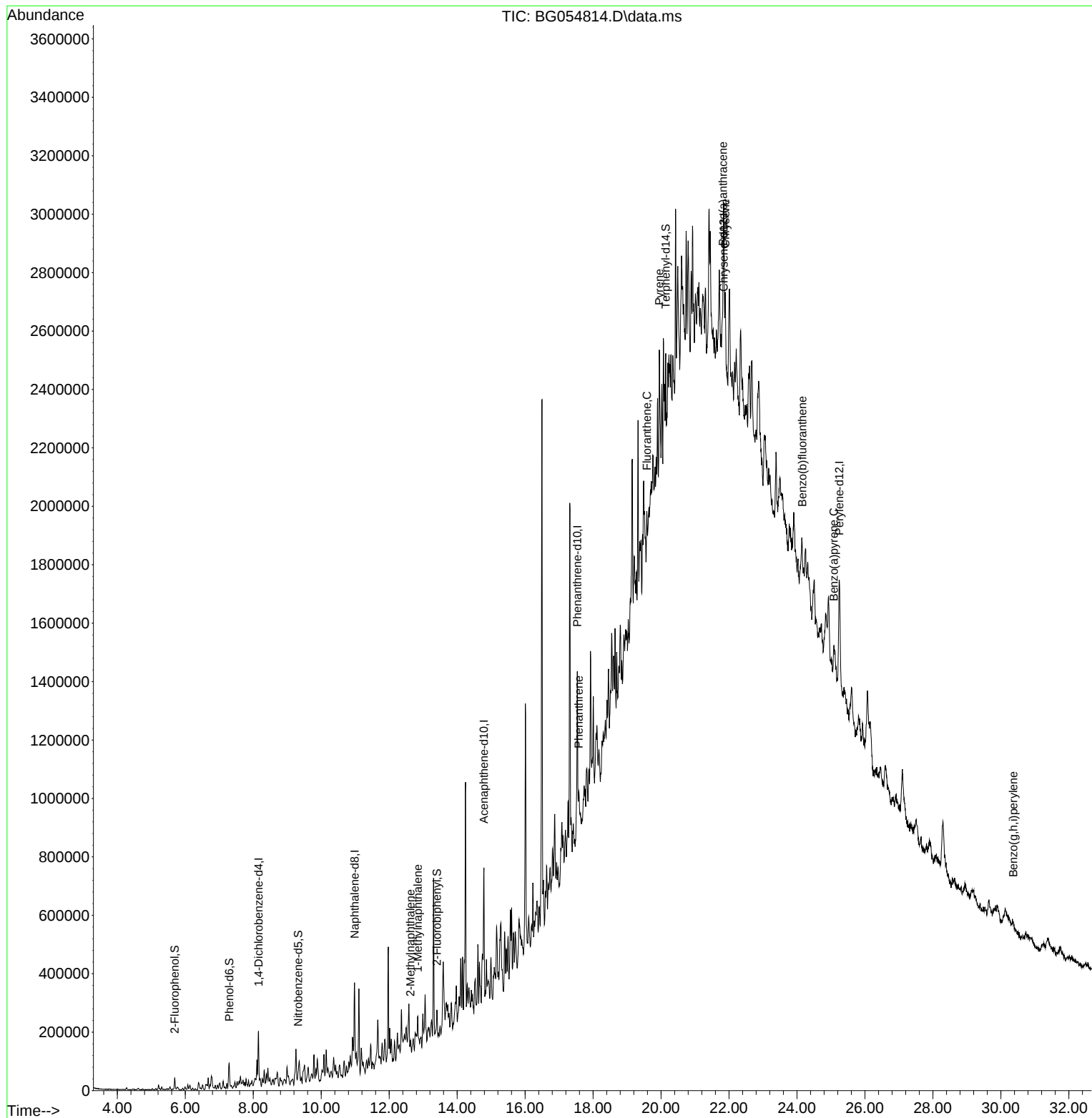
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.153	152	58817	20.000	ng	0.00
21) Naphthalene-d8	10.979	136	230155	20.000	ng	0.00
39) Acenaphthene-d10	14.786	164	144122	20.000	ng	0.00
64) Phenanthrene-d10	17.536	188	288415	20.000	ng	0.00
76) Chrysene-d12	21.843	240	268980	20.000	ng	# 0.02
86) Perylene-d12	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
37) 2-Methylnaphthalene	12.624	142	27000	3.120	ng	96
38) 1-Methylnaphthalene	12.842	142	27875	3.310	ng	# 97
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
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

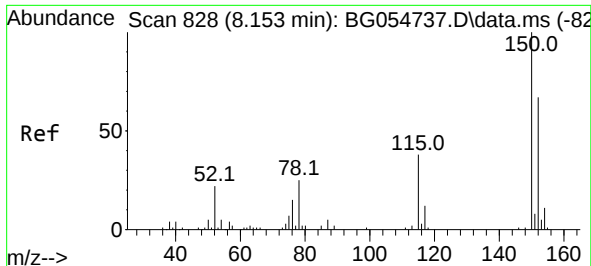
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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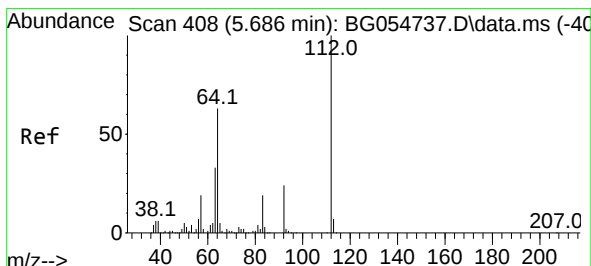
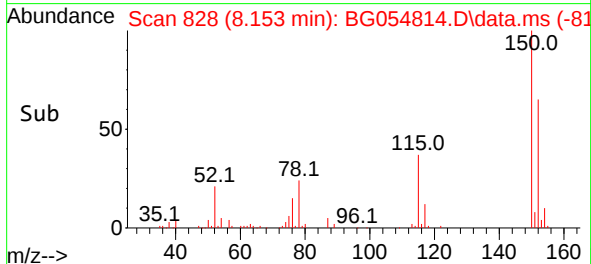
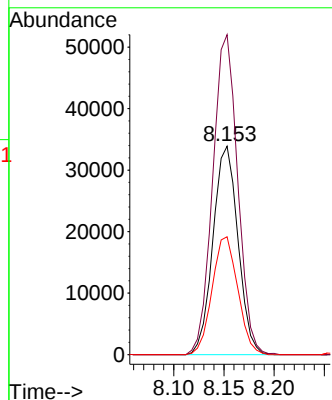
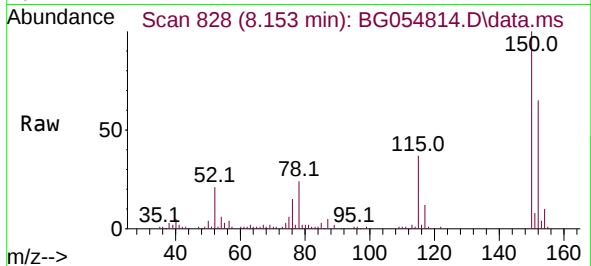




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.153 min Scan# 81
Delta R.T. 0.000 min
Lab File: BG054814.D
Acq: 31 Aug 2022 20:13

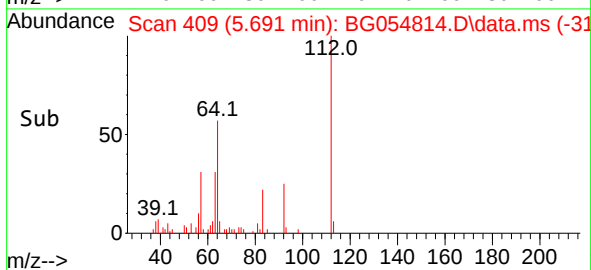
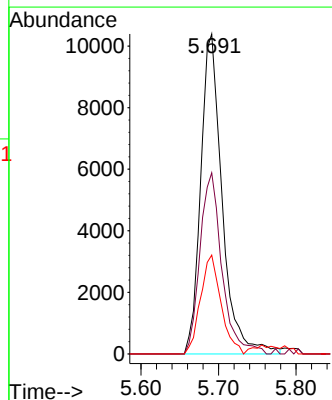
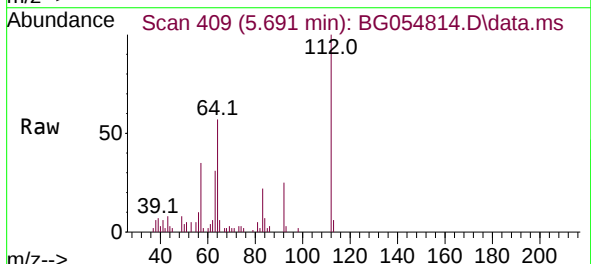
Instrument :
BNA_G
ClientSampleId :
WC-PALM-SP-02

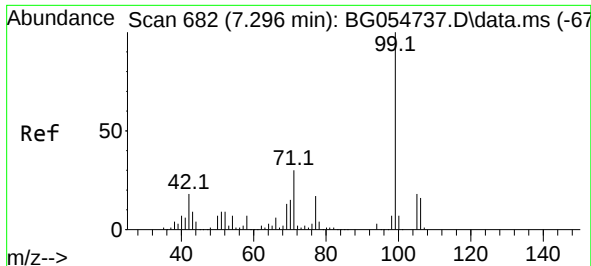
Tgt Ion:152 Resp: 58817
Ion Ratio Lower Upper
152 100
150 153.5 125.2 187.8
115 56.5 47.9 71.9



#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

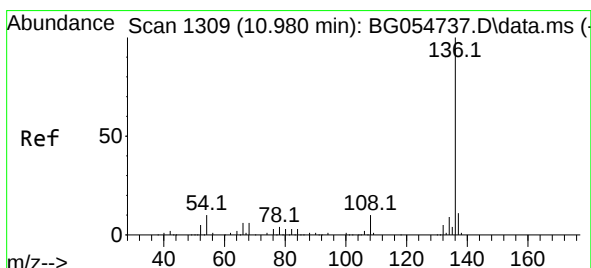
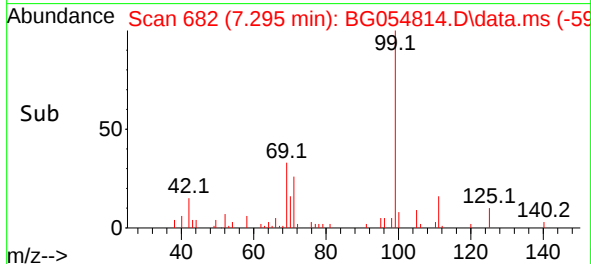
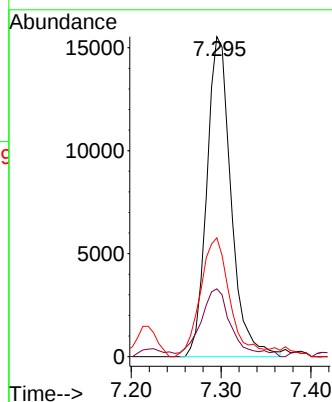
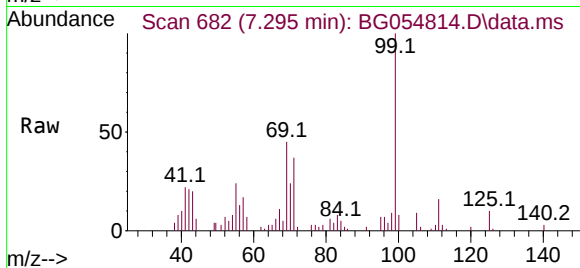




#7
Phenol-d6
Concen: 6.306 ng
RT: 7.295 min Scan# 682
Delta R.T. -0.000 min
Lab File: BG054814.D
Acq: 31 Aug 2022 20:13

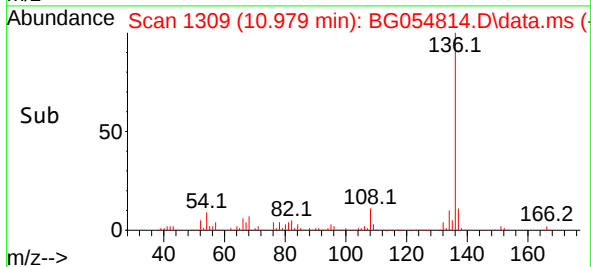
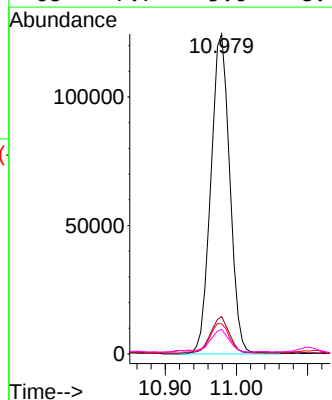
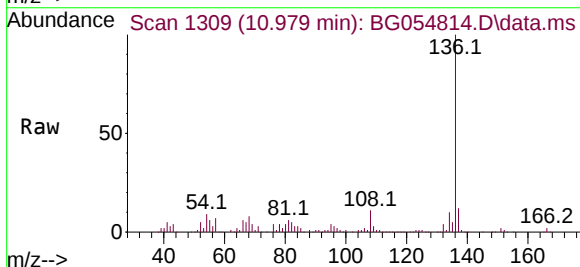
Instrument :
BNA_G
ClientSampleId :
WC-PALM-SP-02

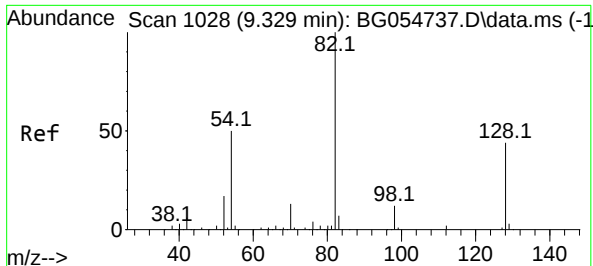
Tgt Ion: 99 Resp: 29127
Ion Ratio Lower Upper
99 100
42 21.2 14.6 22.0
71 37.1 24.6 37.0#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.979 min Scan# 1309
Delta R.T. -0.001 min
Lab File: BG054814.D
Acq: 31 Aug 2022 20:13

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# 1028

Delta R.T. -0.006 min

Lab File: BG054814.D

Acq: 31 Aug 2022 20:13

Instrument :

BNA_G

ClientSampleId :

WC-PALM-SP-02

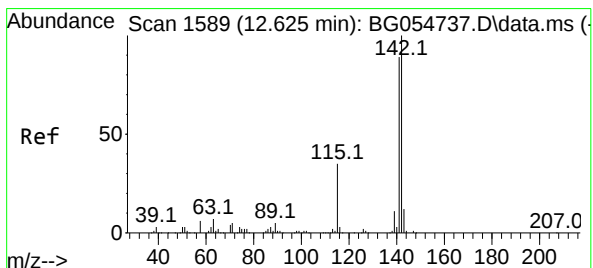
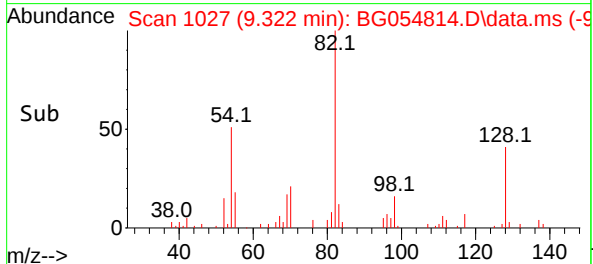
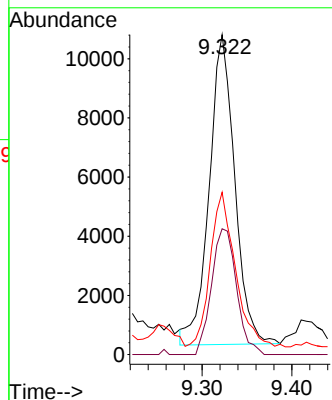
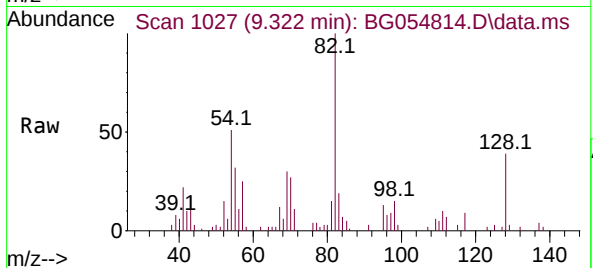
Tgt Ion: 82 Resp: 20728

Ion Ratio Lower Upper

82 100

128 39.3 32.2 48.2

54 50.7 41.4 62.0



#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

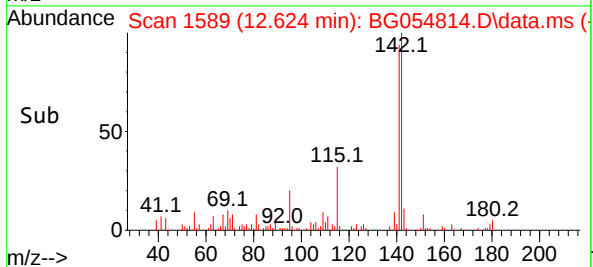
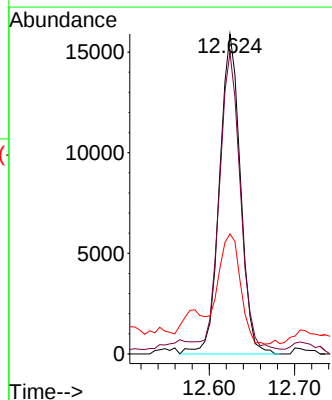
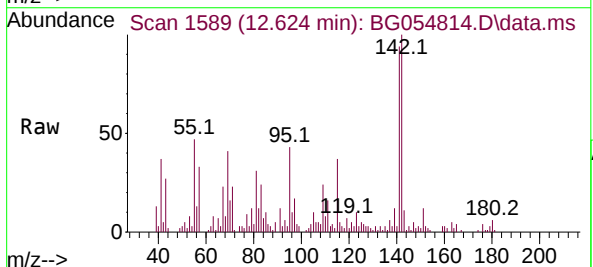
Tgt Ion:142 Resp: 27000

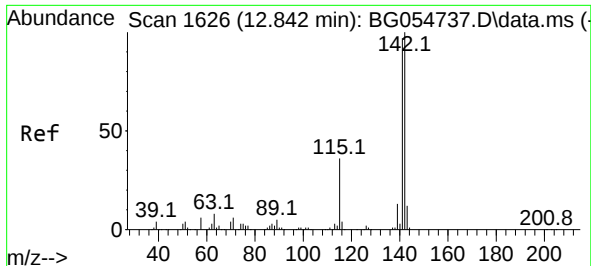
Ion Ratio Lower Upper

142 100

141 94.2 73.0 109.4

115 37.5 27.3 40.9

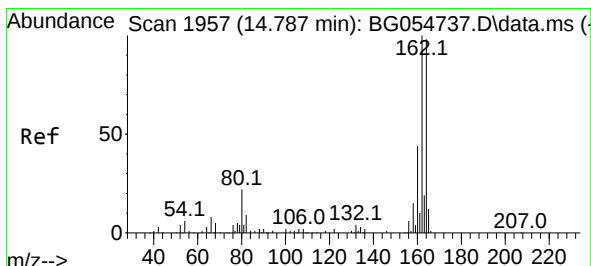
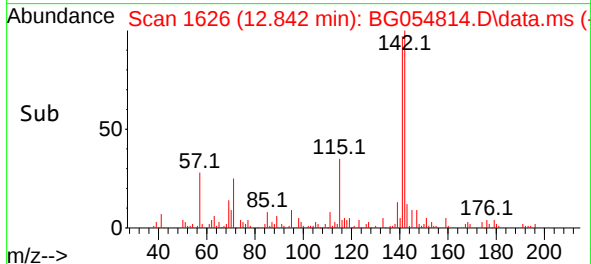
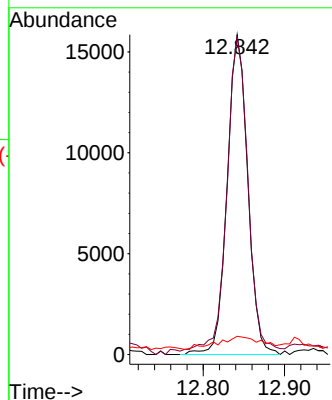
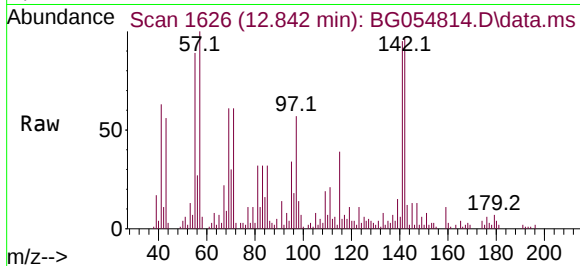




#38
1-Methylnaphthalene
Concen: 3.310 ng
RT: 12.842 min Scan# 1626
Delta R.T. -0.000 min
Lab File: BG054814.D
Acq: 31 Aug 2022 20:13

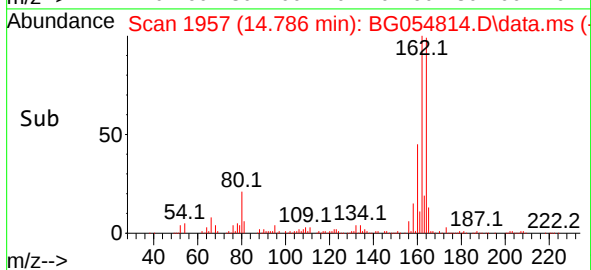
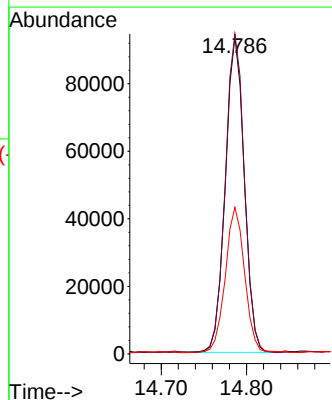
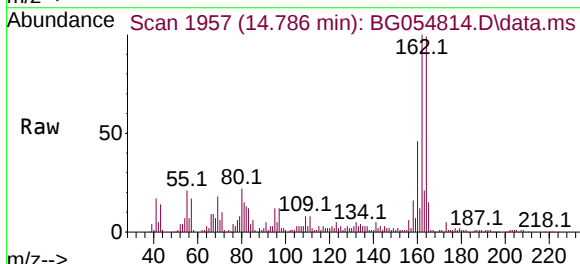
Instrument :
BNA_G
ClientSampleId :
WC-PALM-SP-02

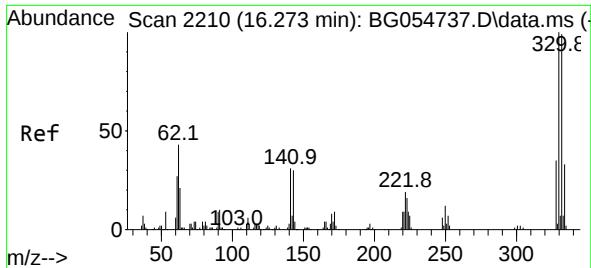
Tgt Ion:142 Resp: 27875
Ion Ratio Lower Upper
142 100
141 99.1 77.4 116.0
116 5.7 3.0 4.4#



#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

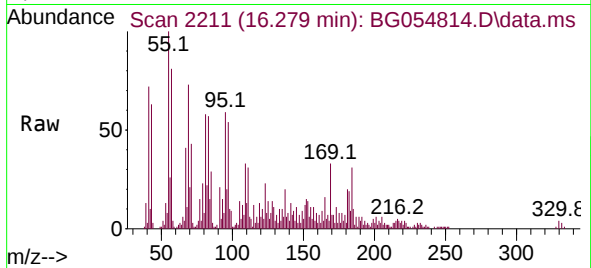
Tgt Ion:164 Resp: 144122
Ion Ratio Lower Upper
164 100
162 101.0 83.0 124.4
160 46.2 38.0 57.0



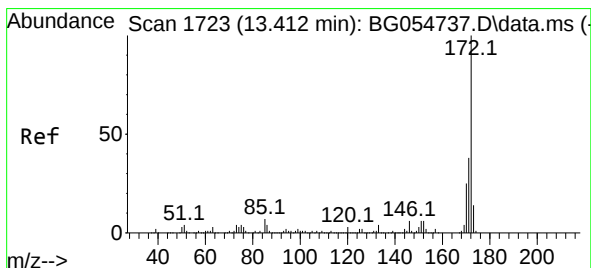
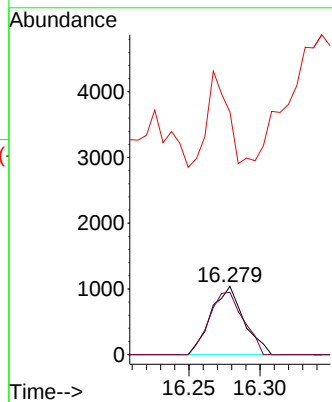
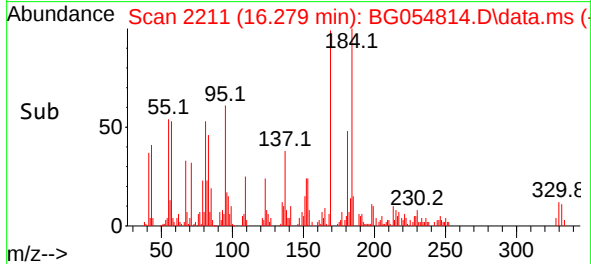


#42
 2,4,6-Tribromophenol
 Concen: 0.928 ng
 RT: 16.279 min Scan# 21
 Delta R.T. 0.005 min
 Lab File: BG054814.D
 Acq: 31 Aug 2022 20:13

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

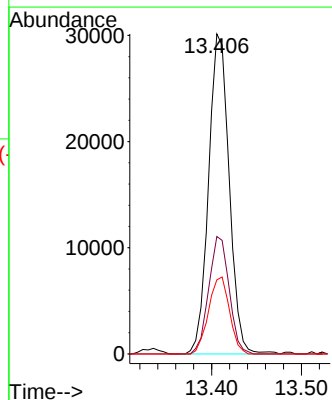
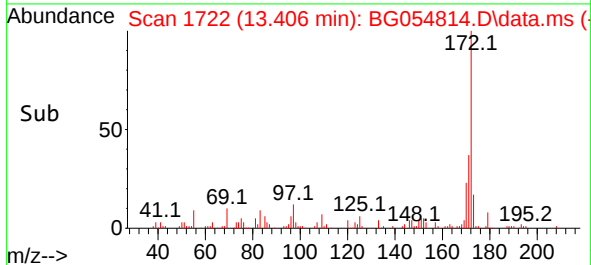
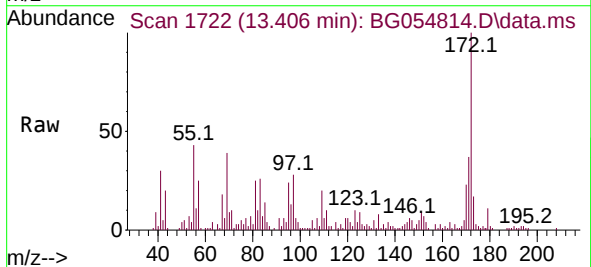


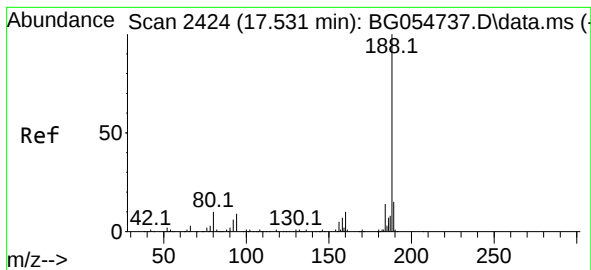
Tgt Ion:330 Resp: 1671
 Ion Ratio Lower Upper
 330 100
 332 95.4 79.8 119.6
 141 90.9 26.8 40.2#



#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

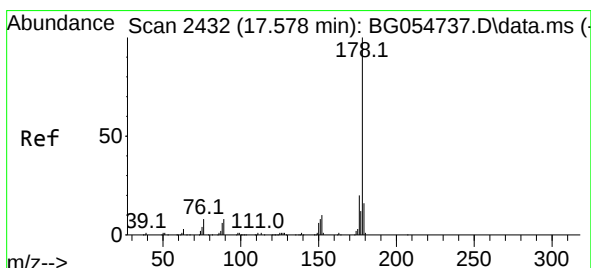
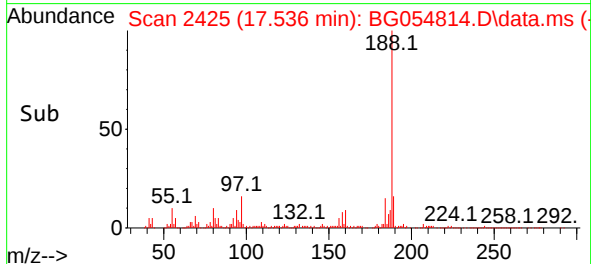
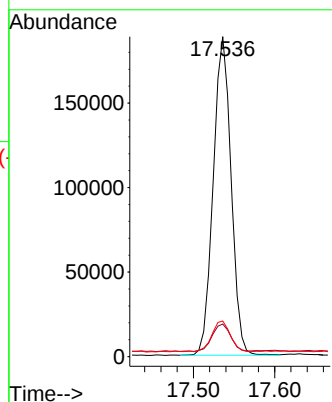
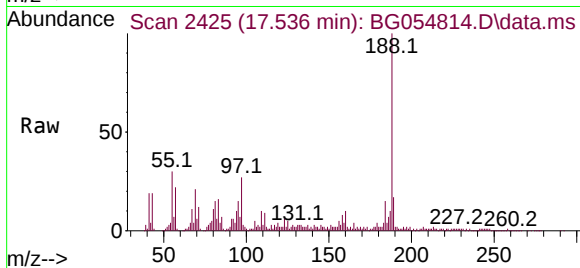




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.536 min Scan# 2424
Delta R.T. 0.005 min
Lab File: BG054814.D
Acq: 31 Aug 2022 20:13

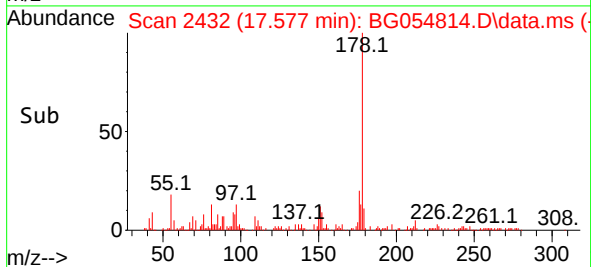
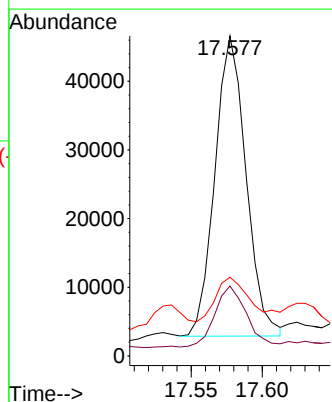
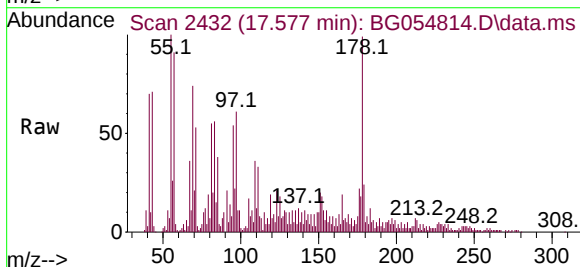
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BNA_G
ClientSampleId :
WC-PALM-SP-02

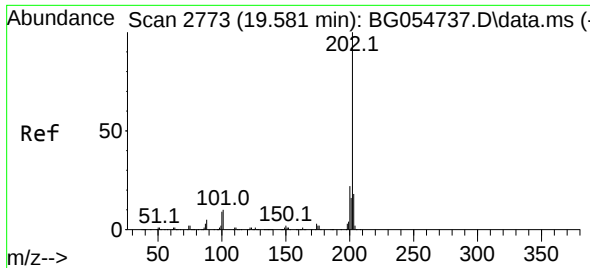
Tgt Ion:188 Resp: 288415
Ion Ratio Lower Upper
188 100
94 10.2 7.0 10.4
80 11.1 7.9 11.9



#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

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#

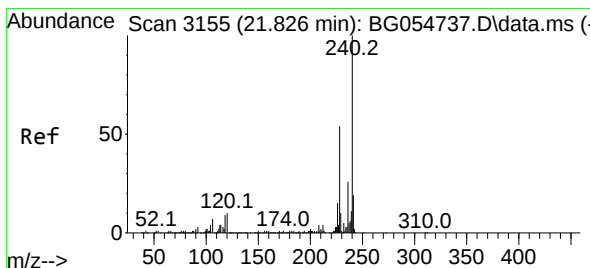
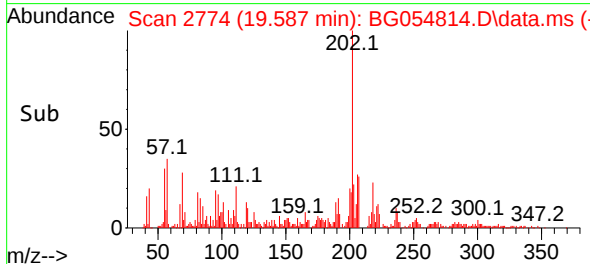
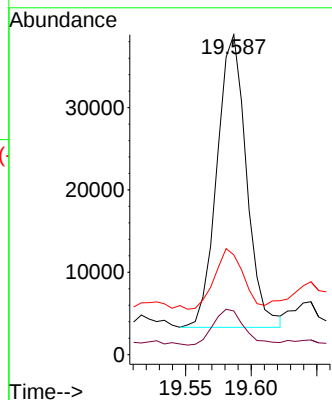
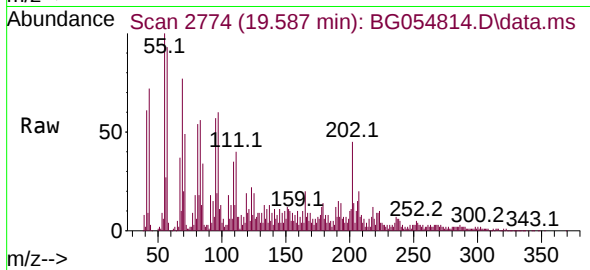




#75
Fluoranthene
Concen: 2.972 ng
RT: 19.587 min Scan# 21
Delta R.T. 0.005 min
Lab File: BG054814.D
Acq: 31 Aug 2022 20:13

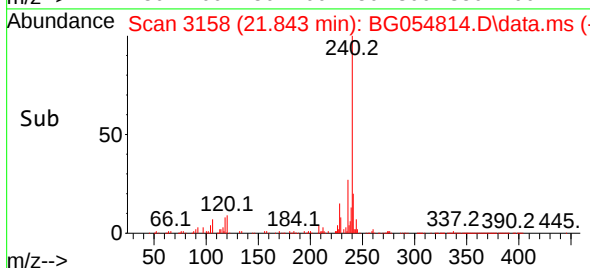
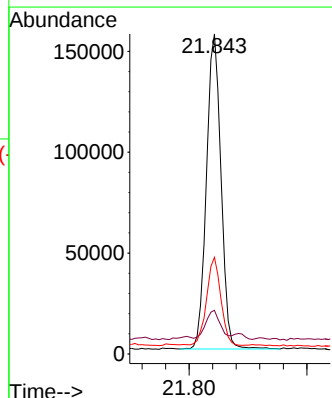
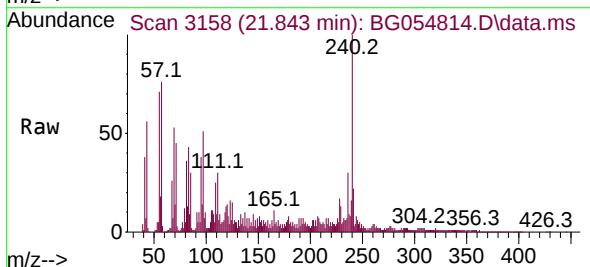
Instrument :
BNA_G
ClientSampleId :
WC-PALM-SP-02

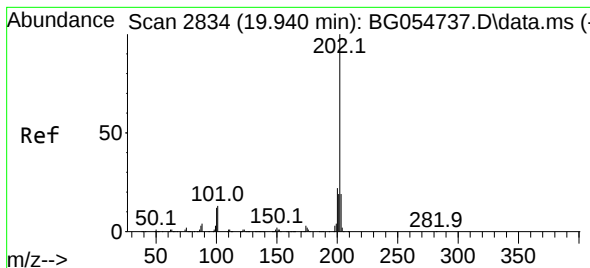
Tgt Ion:	202	Resp:	55545
Ion Ratio	Lower	Upper	
202	100		
101	13.6	0.0	31.4
203	31.2	0.0	38.6



#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

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

Instrument :

BNA_G

ClientSampleId :

WC-PALM-SP-02

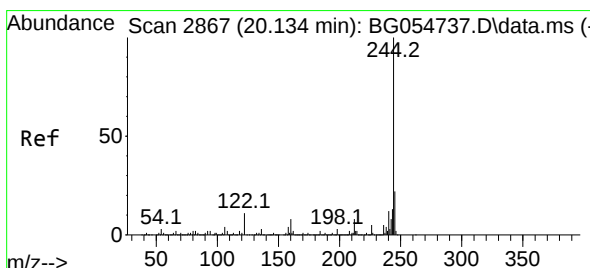
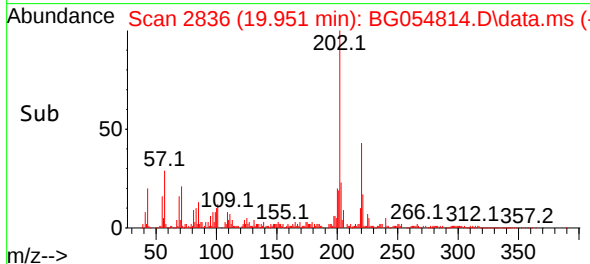
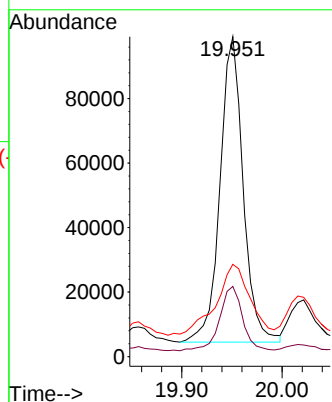
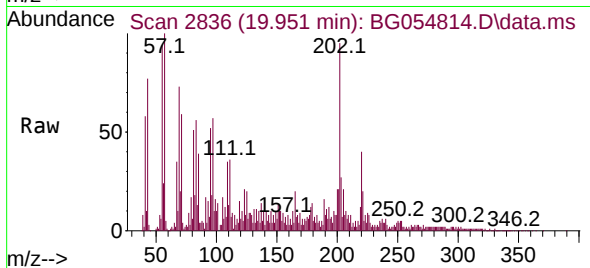
Tgt Ion:202 Resp: 152471

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# 2868

Delta R.T. 0.005 min

Lab File: BG054814.D

Acq: 31 Aug 2022 20:13

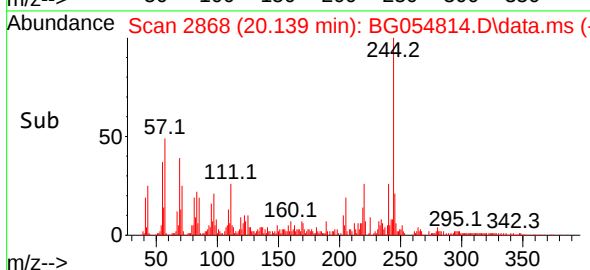
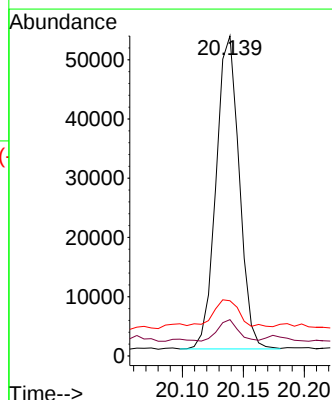
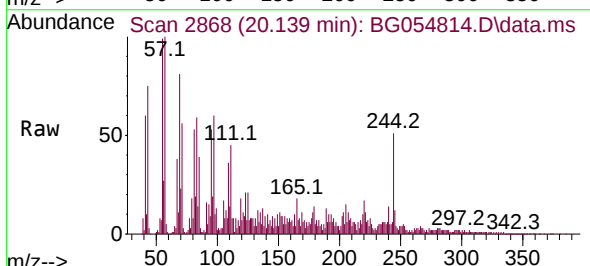
Tgt Ion:244 Resp: 69837

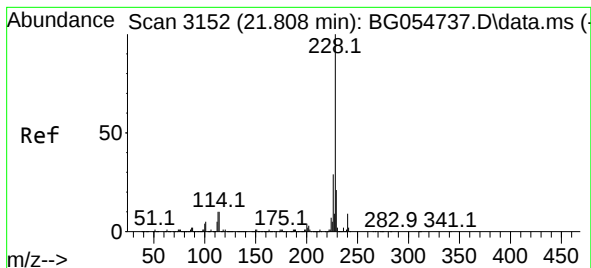
Ion Ratio Lower Upper

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

Instrument :

BNA_G

ClientSampleId :

WC-PALM-SP-02

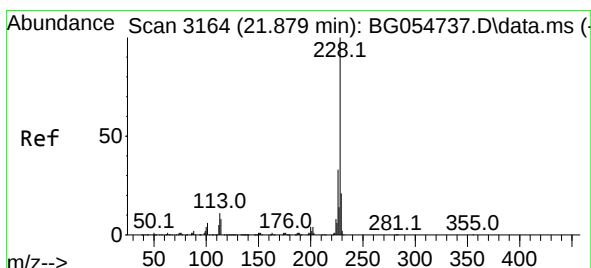
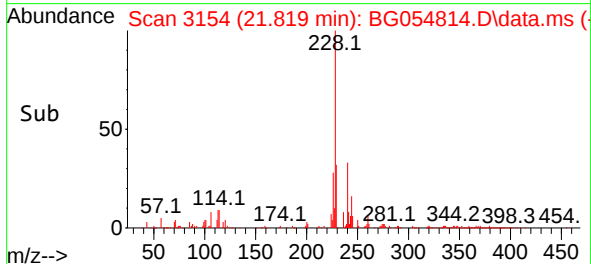
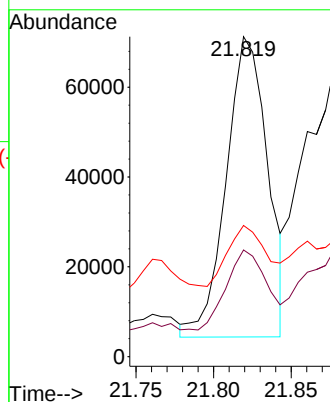
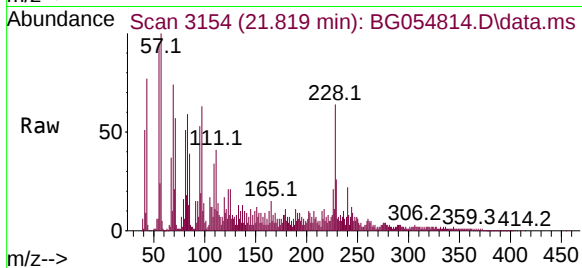
Tgt Ion:228 Resp: 124829

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

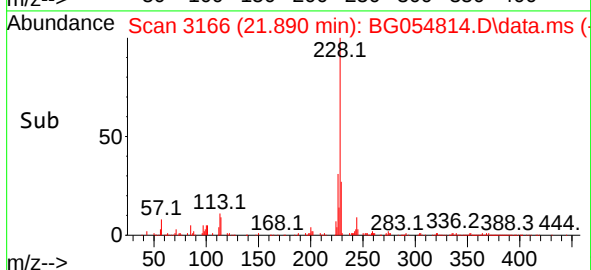
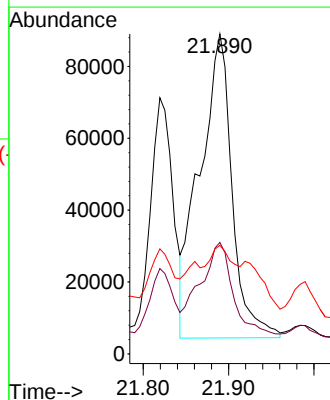
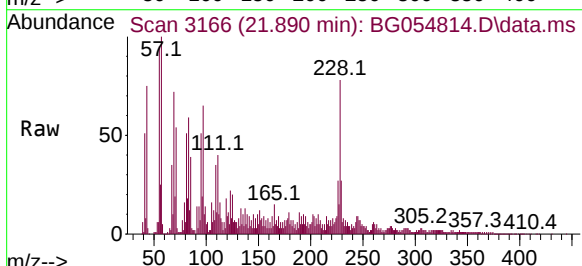
Tgt Ion:228 Resp: 223399

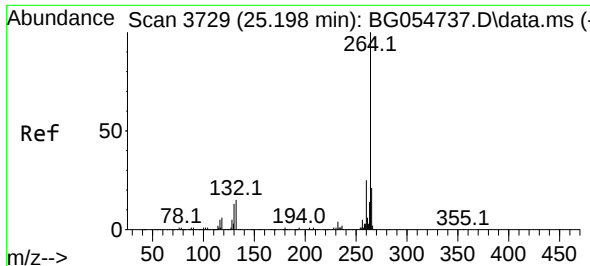
Ion Ratio Lower Upper

228 100

226 34.8 25.5 38.3

229 33.9 16.8 25.2#

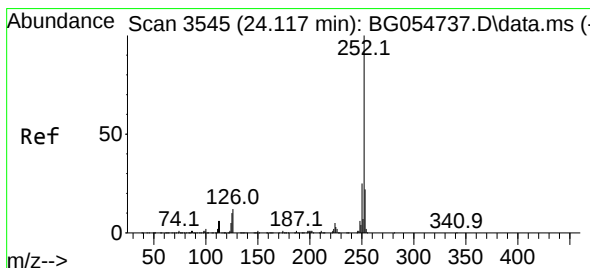
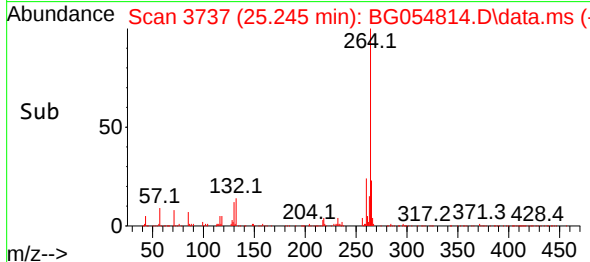
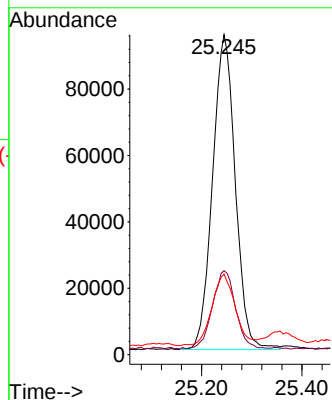
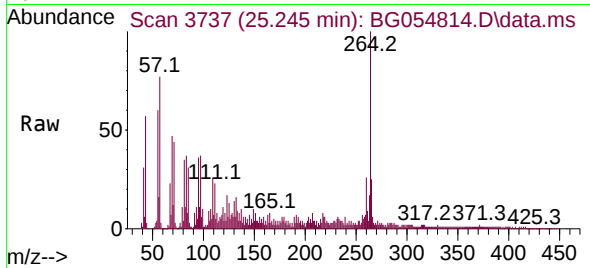




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.245 min Scan# 31
Delta R.T. 0.047 min
Lab File: BG054814.D
Acq: 31 Aug 2022 20:13

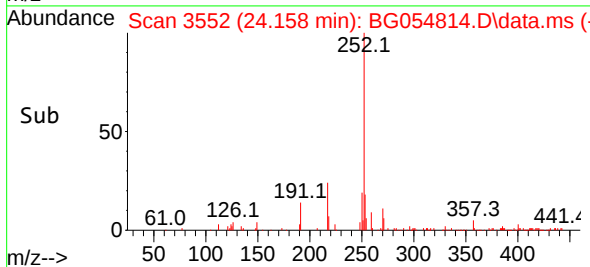
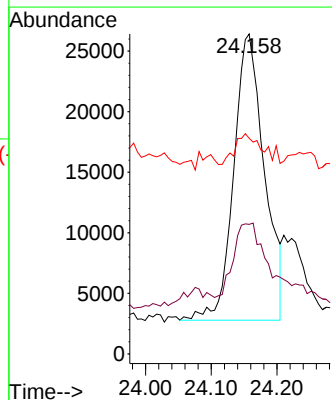
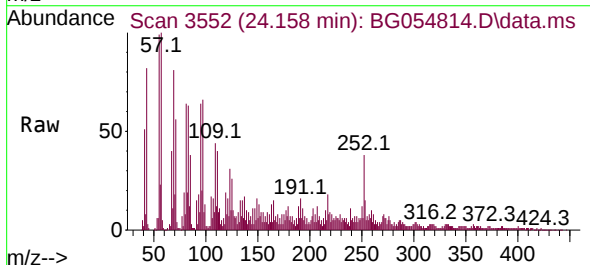
Instrument :
BNA_G
ClientSampleId :
WC-PALM-SP-02

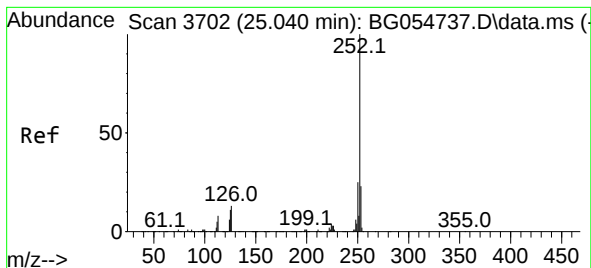
Tgt Ion:264 Resp: 298305
Ion Ratio Lower Upper
264 100
260 26.2 19.9 29.9
265 25.2 16.9 25.3



#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

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#





#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

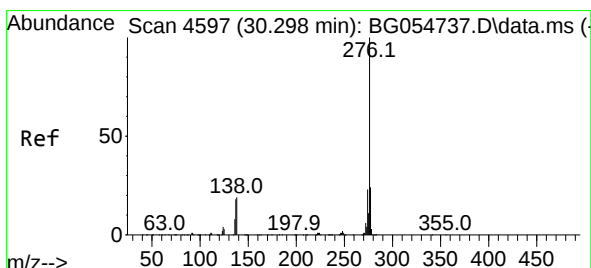
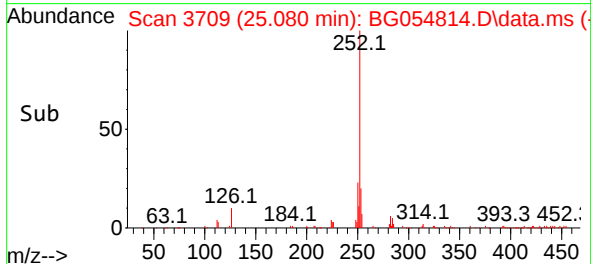
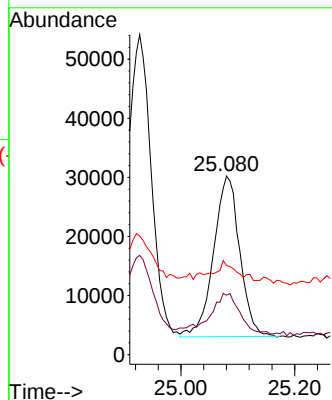
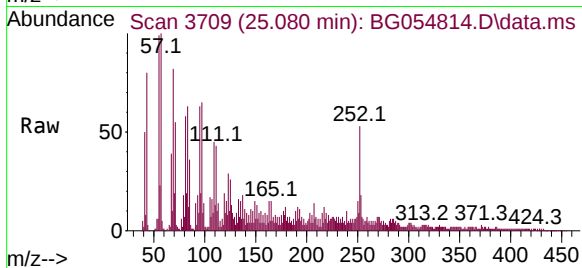
Tgt Ion:252 Resp: 86743

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#

