

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG072622\
 Data File : BG054405.D
 Acq On : 26 Jul 2022 19:45
 Operator : CG/JU
 Sample : N3814-02
 Misc :
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-4(5-10)

Quant Time: Jul 27 04:34:14 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG071522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jul 15 15:54:11 2022
 Response via : Initial Calibration

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

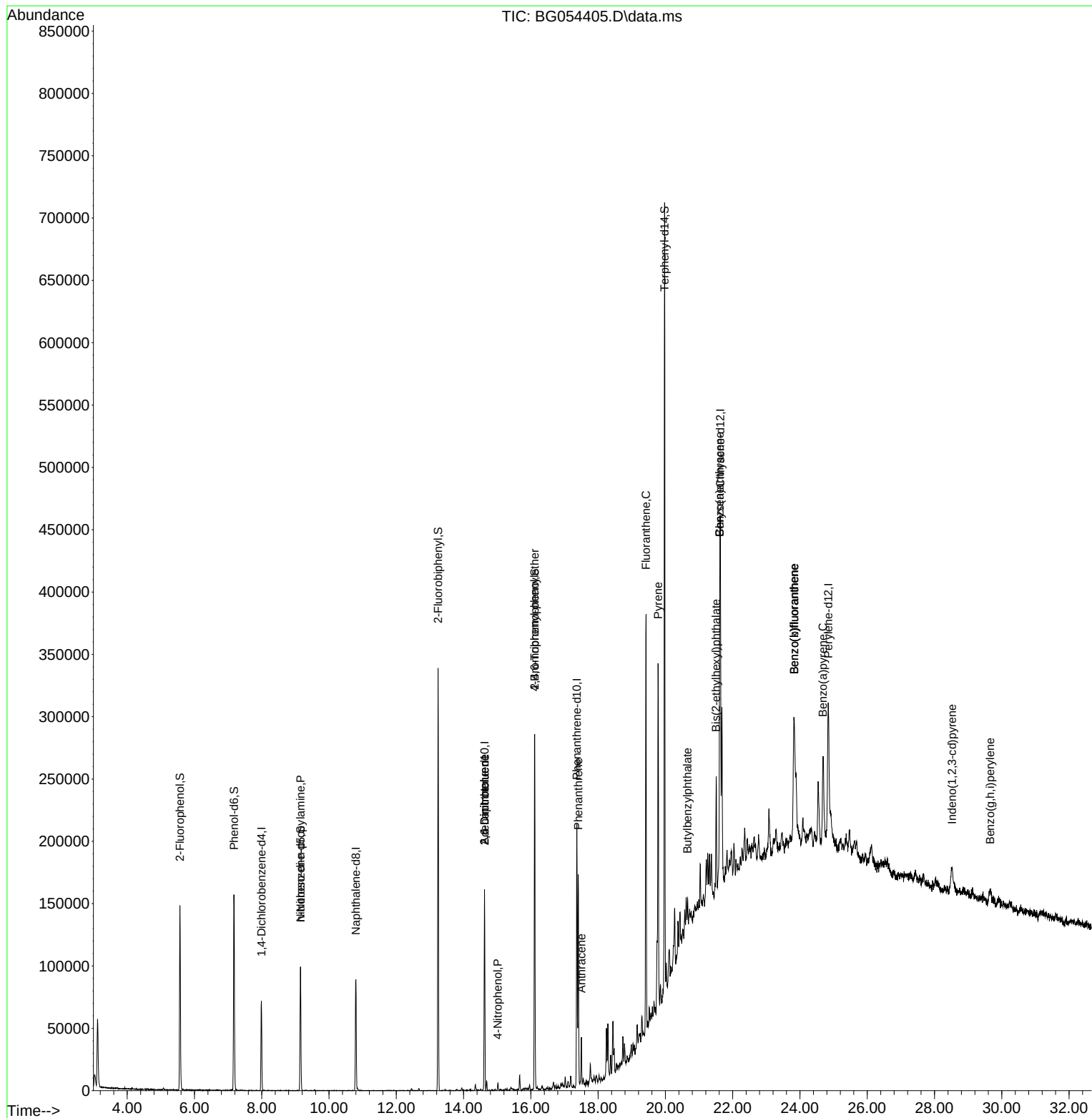
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.990	152	23074	20.000	ng	-0.01
21) Naphthalene-d8	10.798	136	83410	20.000	ng	# 0.00
39) Acenaphthene-d10	14.623	164	60640	20.000	ng	0.00
64) Phenanthrene-d10	17.367	188	146233	20.000	ng	#-0.01
76) Chrysene-d12	21.633	240	159634	20.000	ng	#-0.01
86) Perylene-d12	24.841	264	149177	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	71475	64.675	ng	0.00
7) Phenol-d6	7.173	99	93192	61.541	ng	0.00
23) Nitrobenzene-d5	9.153	82	64129	41.869	ng	-0.01
42) 2,4,6-Tribromophenol	16.115	330	78261	61.467	ng	-0.01
45) 2-Fluorobiphenyl	13.242	172	189343	44.048	ng	-0.02
79) Terphenyl-d14	19.976	244	359855	44.720	ng	-0.01
Target Compounds						Qvalue
9) Benzaldehyde	7.179	77	54	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.153	70	8428	8.334 ng	#	81
51) 2,6-Dinitrotoluene	14.623	165	8480	8.162 ng	#	16
56) 4-Nitrophenol	15.017	139	1436	2.477 ng	#	1
57) 2,4-Dinitrotoluene	14.623	165	8480	5.694 ng	#	21
67) 4-Bromophenyl-phenylether	16.110	248	4351	2.119 ng	#	1
71) Phenanthrene	17.408	178	119315	16.384 ng		97
72) Anthracene	17.502	178	27381	3.832 ng		96
75) Fluoranthene	19.423	202	238908	24.066 ng		95
78) Pyrene	19.782	202	200640	21.905 ng		98
80) Butylbenzylphthalate	20.657	149	6219	2.179 ng	#	88
81) Benzo(a)anthracene	21.615	228	132632	13.089 ng		98
83) Chrysene	21.615	228	132632	13.854 ng		96
84) Bis(2-ethylhexyl)phtha...	21.509	149	41037	10.160 ng	#	91
87) Indeno(1,2,3-cd)pyrene	28.519	276	46013	4.055 ng	#	76
88) Benzo(b)fluoranthene	23.830	252	149105	16.901 ng	#	91
89) Benzo(k)fluoranthene	23.830	252	149105	16.982 ng	#	92
90) Benzo(a)pyrene	24.682	252	102680	13.629 ng	#	91
92) Benzo(g,h,i)perylene	29.658	276	39343	4.272 ng	#	86

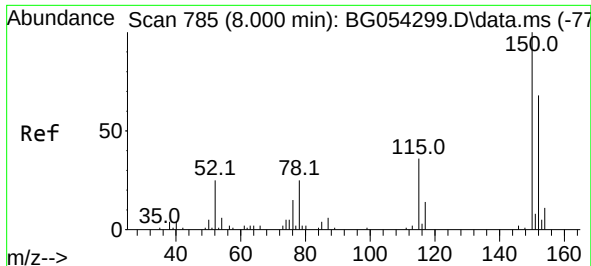
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Jul 15 15:54:11 2022
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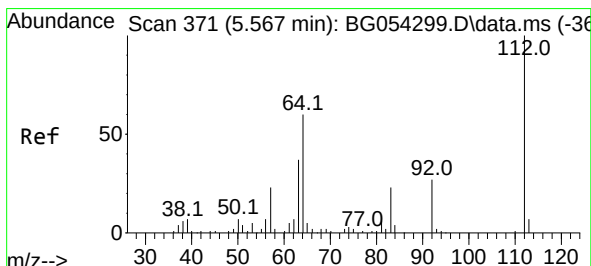
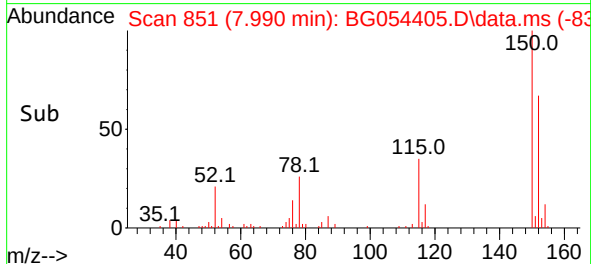
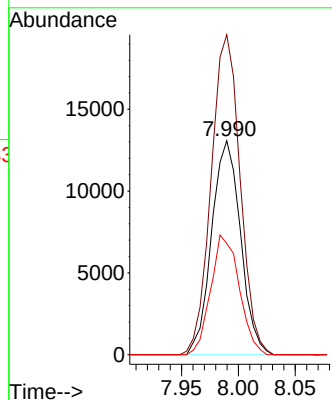
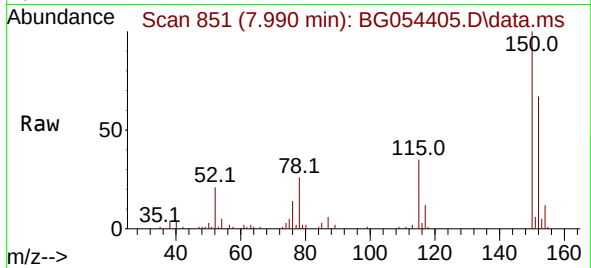




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.990 min Scan# 81
Delta R.T. -0.010 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

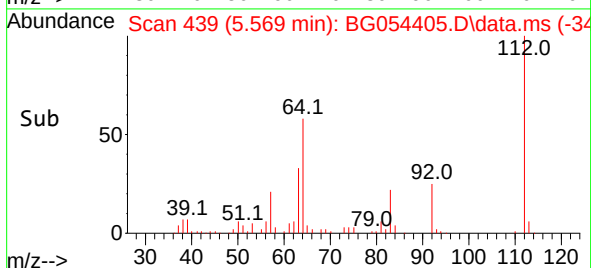
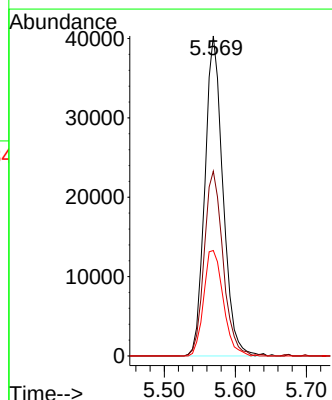
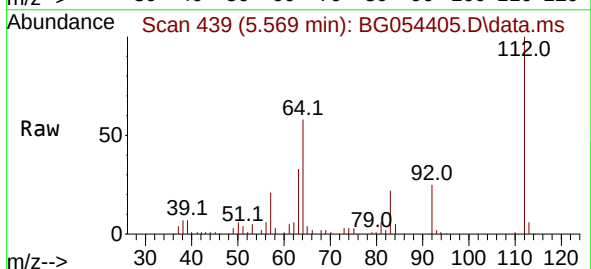
Instrument :
BNA_G
ClientSampleId :
ENV-DE-4(5-10)

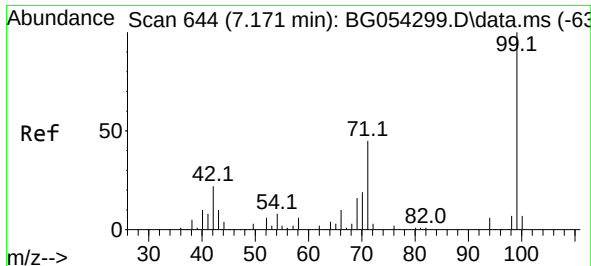
Tgt Ion:152 Resp: 23074
Ion Ratio Lower Upper
152 100
150 149.6 131.6 197.4
115 52.0 50.9 76.3



#5
2-Fluorophenol
Concen: 64.675 ng
RT: 5.569 min Scan# 439
Delta R.T. 0.002 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

Tgt Ion:112 Resp: 71475
Ion Ratio Lower Upper
112 100
64 57.8 55.1 82.7
63 33.0 30.4 45.6

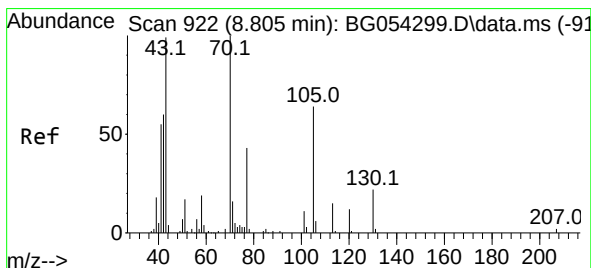
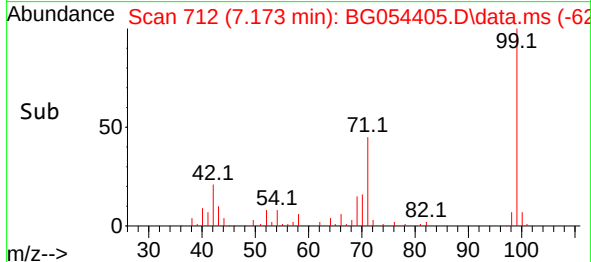
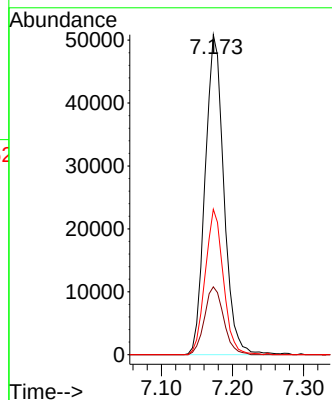
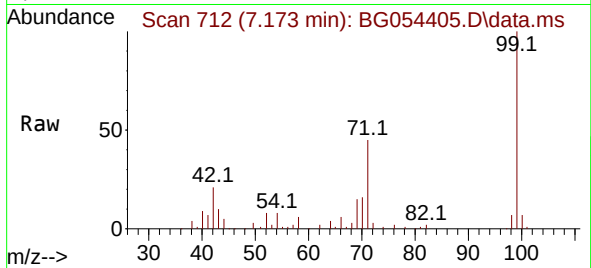




#7
Phenol-d6
Concen: 61.541 ng
RT: 7.173 min Scan# 71
Delta R.T. 0.002 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

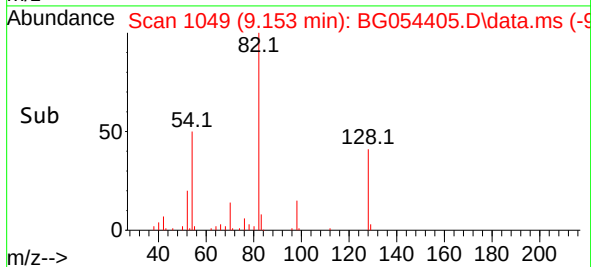
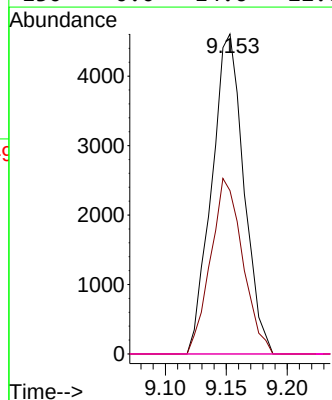
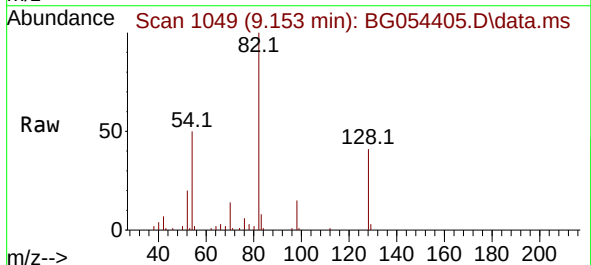
Instrument :
BNA_G
ClientSampleId :
ENV-DE-4(5-10)

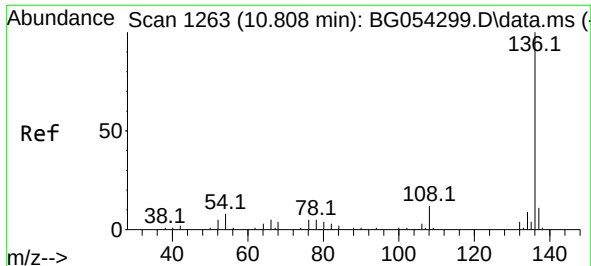
Tgt Ion: 99 Resp: 93192
Ion Ratio Lower Upper
99 100
42 21.2 17.0 25.6
71 45.5 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 8.334 ng
RT: 9.153 min Scan# 1049
Delta R.T. 0.348 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

Tgt Ion: 70 Resp: 8428
Ion Ratio Lower Upper
70 100
42 51.1 47.3 70.9
101 0.0 7.0 10.4#
130 0.0 14.6 22.0#

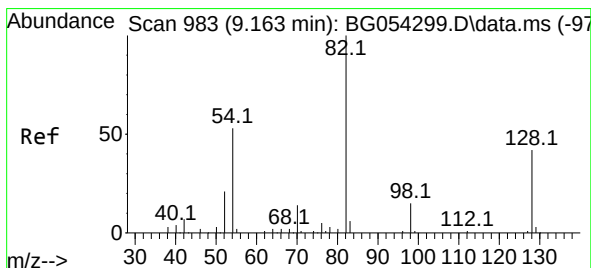
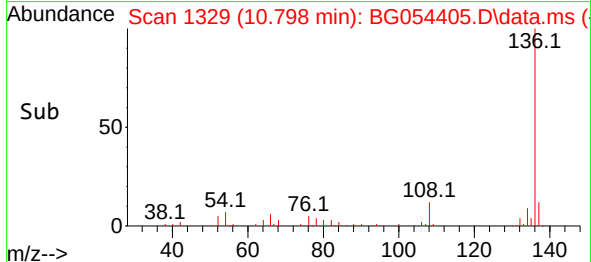
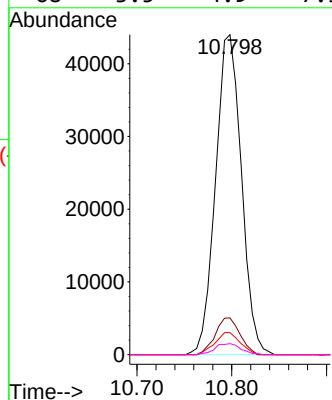
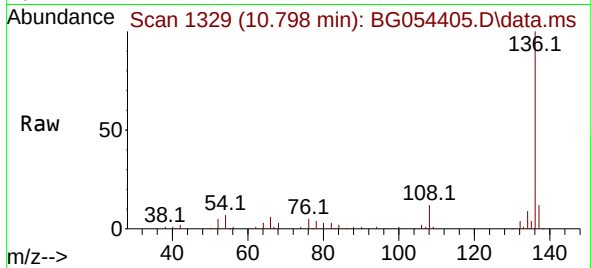




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.798 min Scan# 11
Delta R.T. -0.010 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

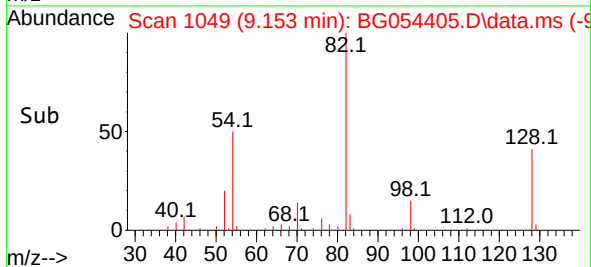
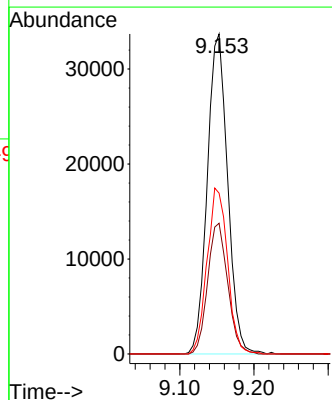
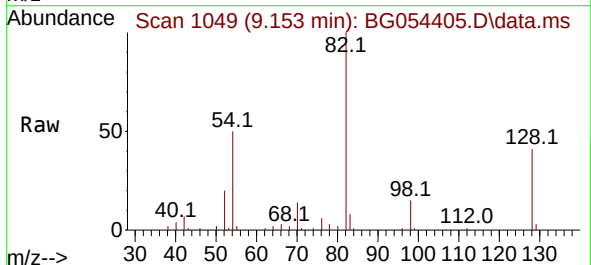
Instrument :
BNA_G
ClientSampleId :
ENV-DE-4(5-10)

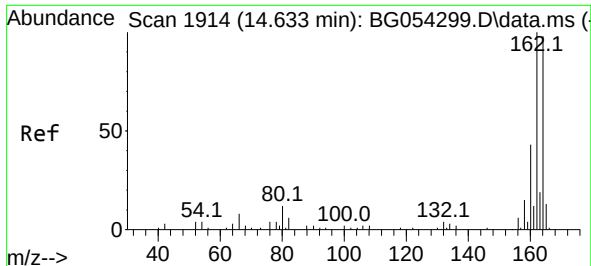
Tgt Ion:	136	Resp:	83410
Ion Ratio	Lower	Upper	
136	100		
137	11.5	8.5	12.7
54	6.9	7.4	11.2#
68	3.5	4.9	7.3#



#23
Nitrobenzene-d5
Concen: 41.869 ng
RT: 9.153 min Scan# 1049
Delta R.T. -0.010 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

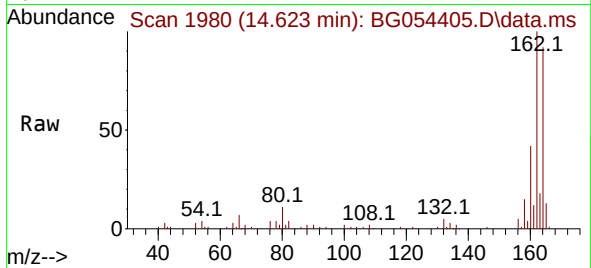
Tgt Ion:	82	Resp:	64129
Ion Ratio	Lower	Upper	
82	100		
128	40.9	27.9	41.9
54	50.2	41.2	61.8



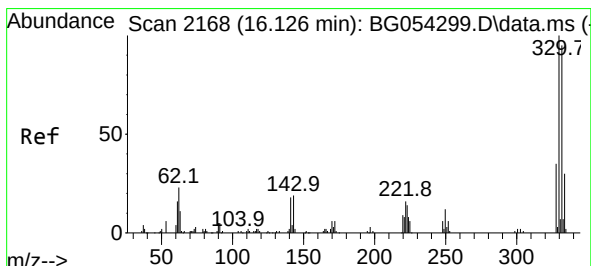
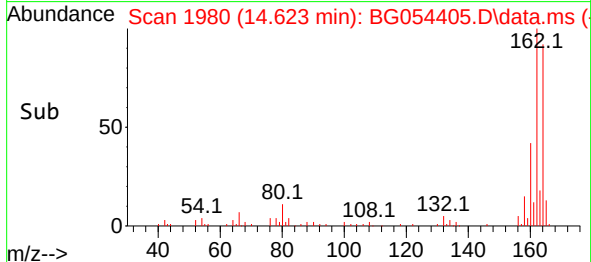
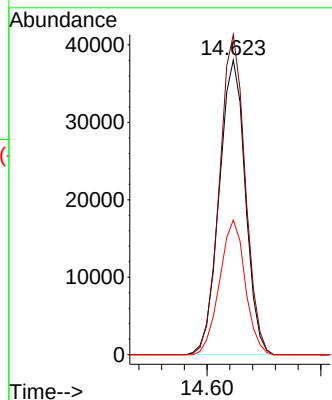


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.623 min Scan# 1914
Delta R.T. -0.010 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

Instrument :
BNA_G
ClientSampleId :
ENV-DE-4(5-10)

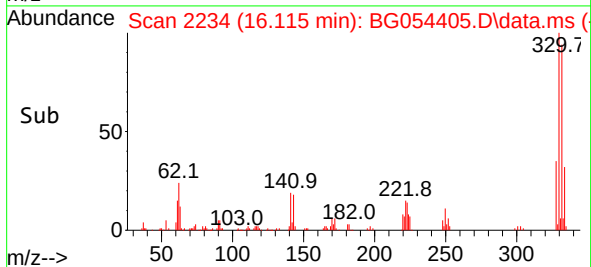
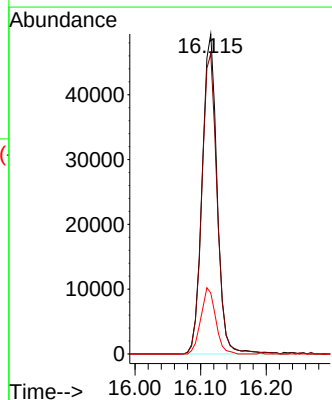
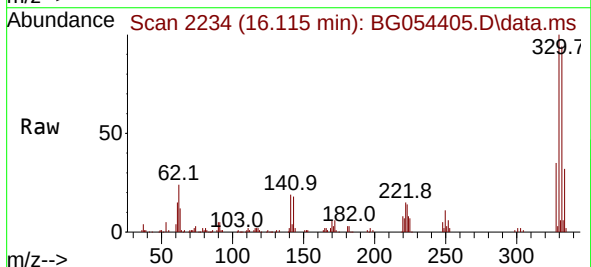


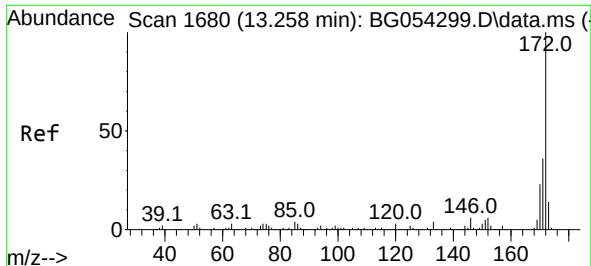
Tgt Ion:164 Resp: 60640
Ion Ratio Lower Upper
164 100
162 108.6 82.3 123.5
160 45.7 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 61.467 ng
RT: 16.115 min Scan# 2234
Delta R.T. -0.010 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

Tgt Ion:330 Resp: 78261
Ion Ratio Lower Upper
330 100
332 95.7 76.0 114.0
141 20.4 27.1 40.7#

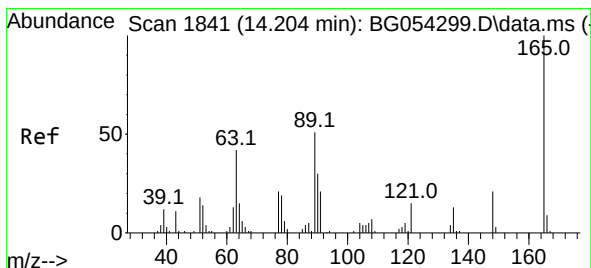
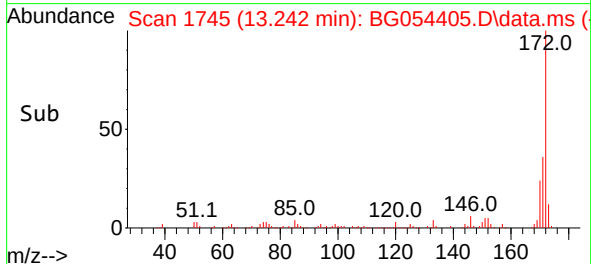
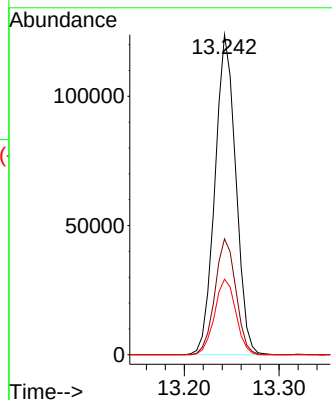
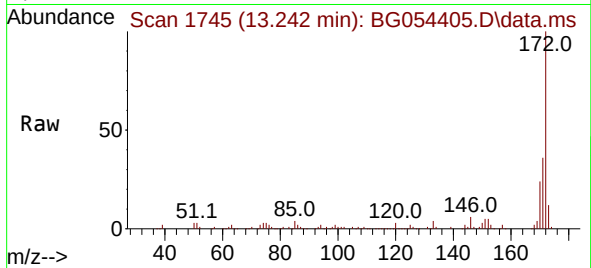




#45
2-Fluorobiphenyl
Concen: 44.048 ng
RT: 13.242 min Scan# 1
Delta R.T. -0.016 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

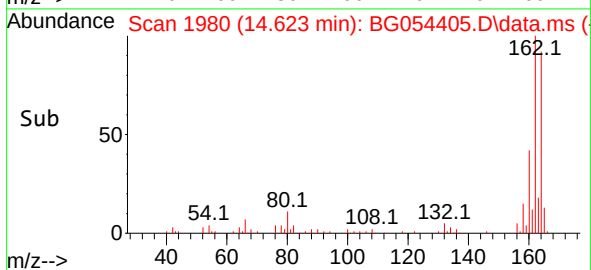
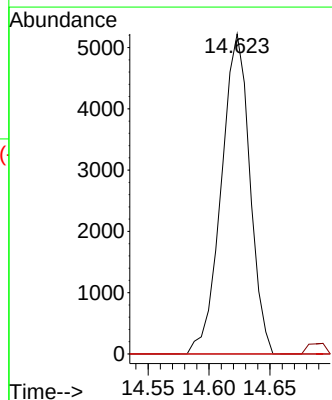
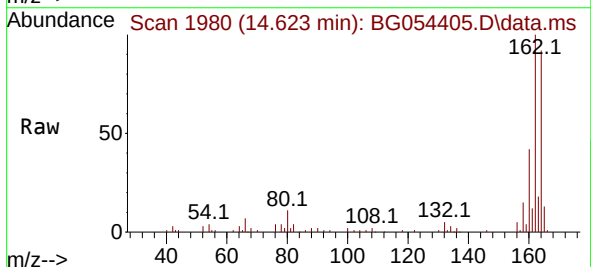
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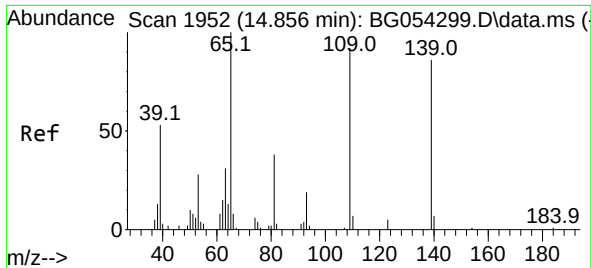
Tgt Ion:172 Resp: 189343
Ion Ratio Lower Upper
172 100
171 36.2 28.5 42.7
170 23.6 18.9 28.3



#51
2,6-Dinitrotoluene
Concen: 8.162 ng
RT: 14.623 min Scan# 1980
Delta R.T. 0.419 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

Tgt Ion:165 Resp: 8480
Ion Ratio Lower Upper
165 100
63 0.0 54.1 81.1#
89 0.0 54.8 82.2#

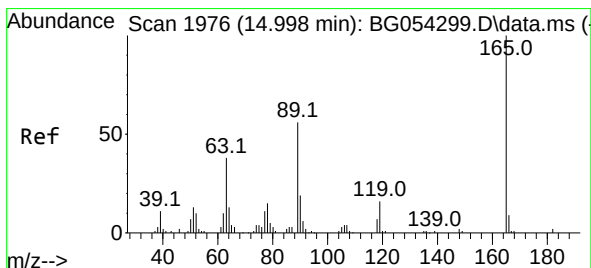
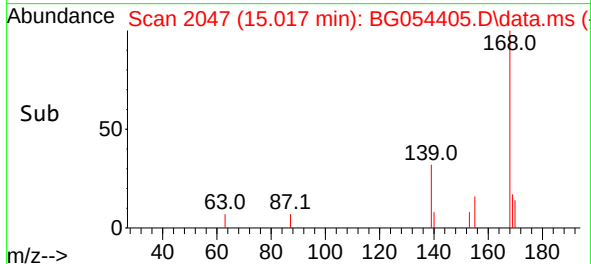
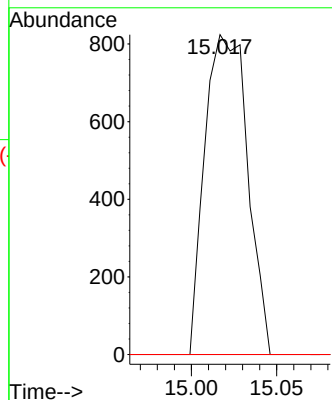
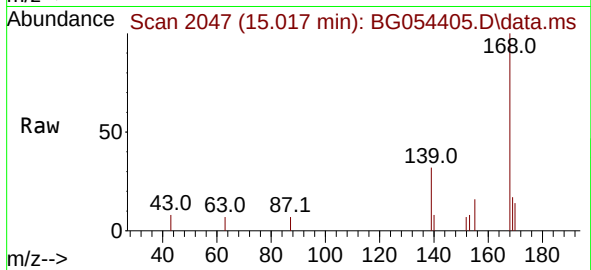




#56
4-Nitrophenol
Concen: 2.477 ng
RT: 15.017 min Scan# 20
Delta R.T. 0.161 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

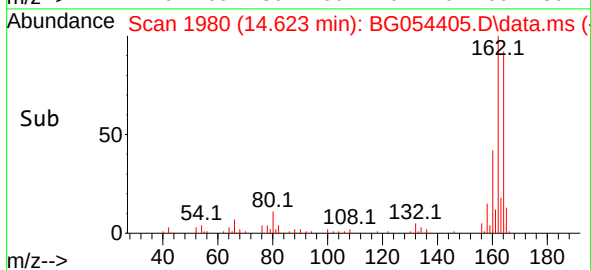
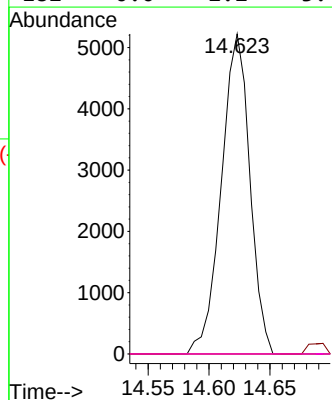
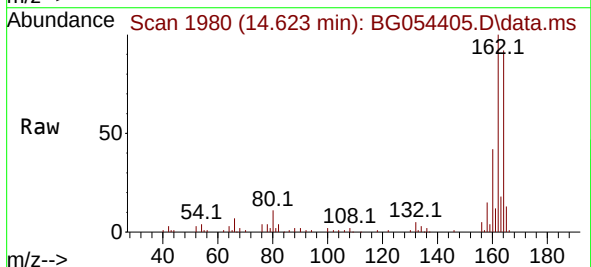
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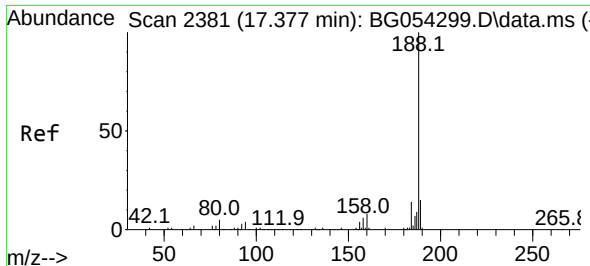
Tgt Ion:139 Resp: 1436
Ion Ratio Lower Upper
139 100
109 0.0 88.5 128.5#
65 0.0 93.9 133.9#



#57
2,4-Dinitrotoluene
Concen: 5.694 ng
RT: 14.623 min Scan# 1980
Delta R.T. -0.374 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

Tgt Ion:165 Resp: 8480
Ion Ratio Lower Upper
165 100
63 0.0 34.6 52.0#
89 0.0 60.3 90.5#
182 0.0 2.2 3.4#

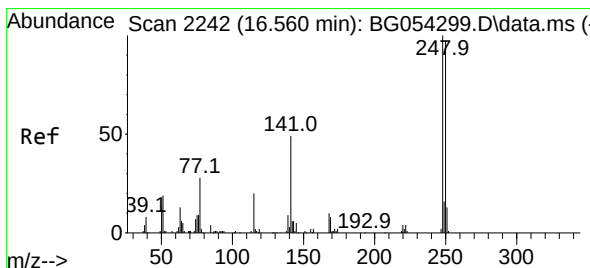
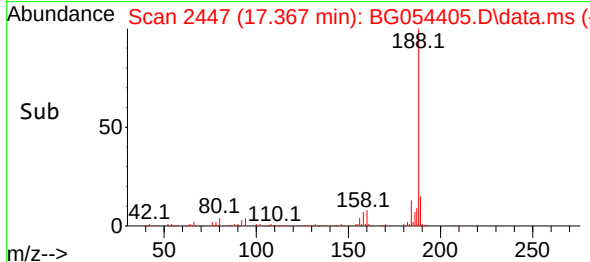
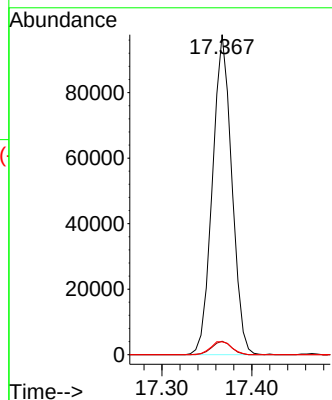
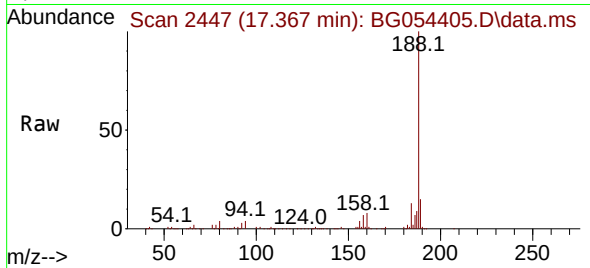




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.367 min Scan# 2447
Delta R.T. -0.010 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

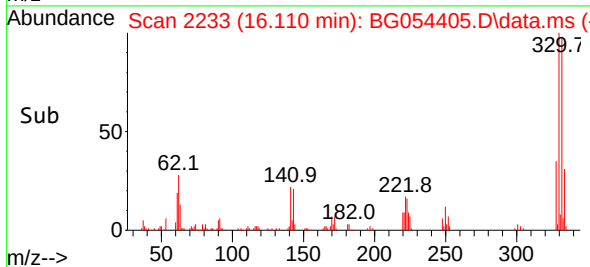
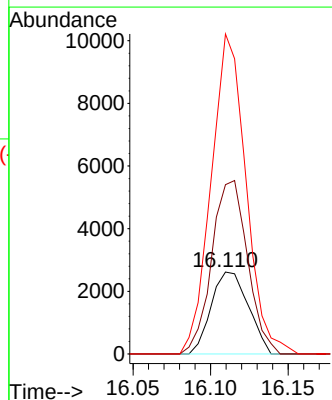
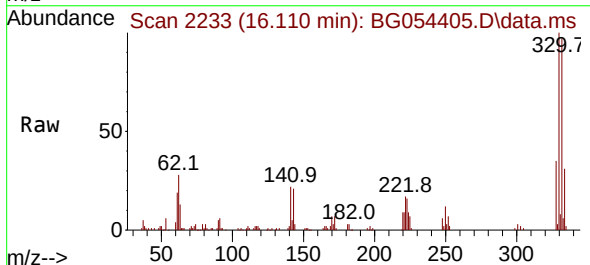
Instrument :
BNA_G
ClientSampleId :
ENV-DE-4(5-10)

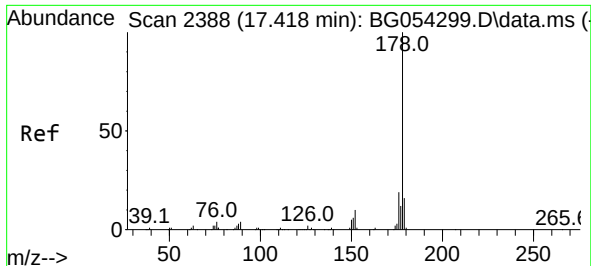
Tgt Ion:188 Resp: 146233
Ion Ratio Lower Upper
188 100
94 4.2 5.4 8.0#
80 4.0 6.8 10.2#



#67
4-Bromophenyl-phenylether
Concen: 2.119 ng
RT: 16.110 min Scan# 2233
Delta R.T. -0.451 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

Tgt Ion:248 Resp: 4351
Ion Ratio Lower Upper
248 100
250 201.1 75.2 112.8#
141 296.4 50.0 75.0#

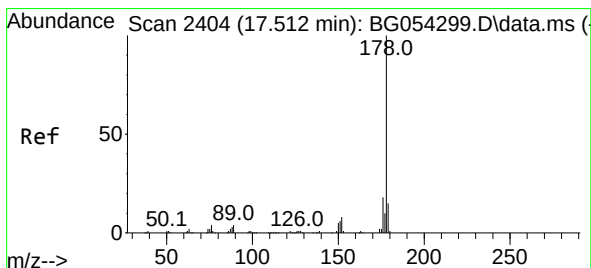
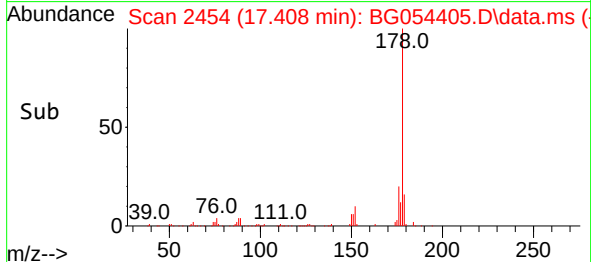
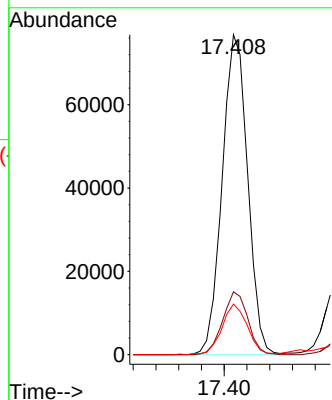
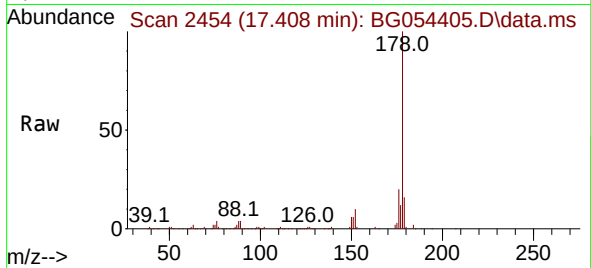




#71
Phenanthrene
Concen: 16.384 ng
RT: 17.408 min Scan# 24
Delta R.T. -0.010 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

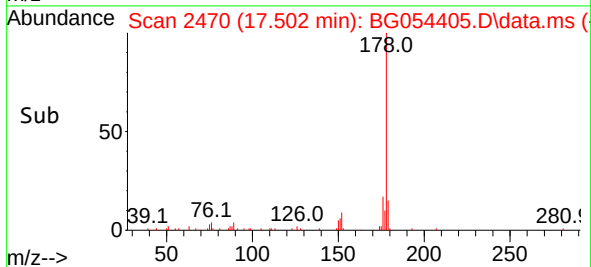
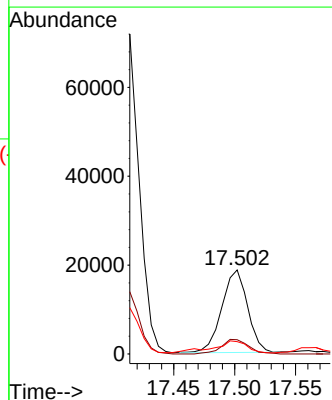
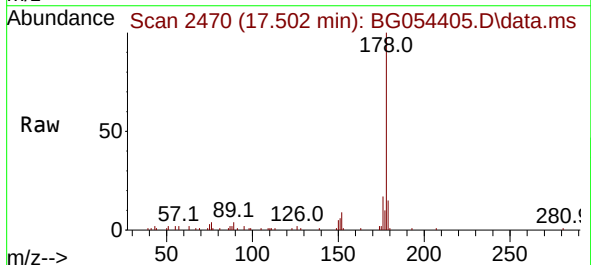
Instrument :
BNA_G
ClientSampleId :
ENV-DE-4(5-10)

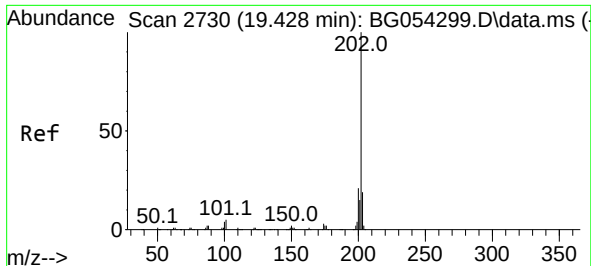
Tgt Ion:178 Resp: 119315
Ion Ratio Lower Upper
178 100
176 19.6 14.1 21.1
179 15.8 12.1 18.1



#72
Anthracene
Concen: 3.832 ng
RT: 17.502 min Scan# 2470
Delta R.T. -0.010 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

Tgt Ion:178 Resp: 27381
Ion Ratio Lower Upper
178 100
176 17.1 15.2 22.8
179 14.8 13.0 19.4

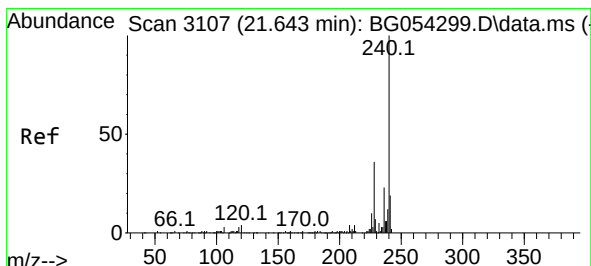
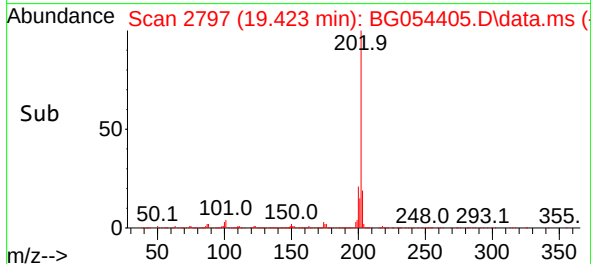
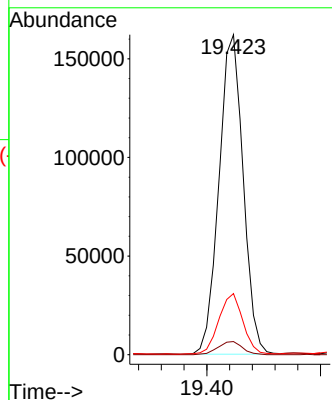
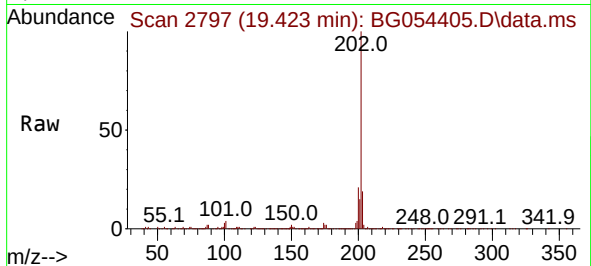




#75
Fluoranthene
Concen: 24.066 ng
RT: 19.423 min Scan# 21
Delta R.T. -0.004 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

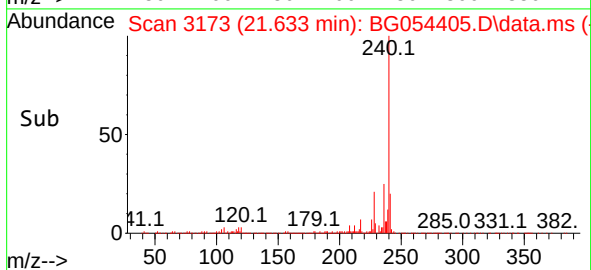
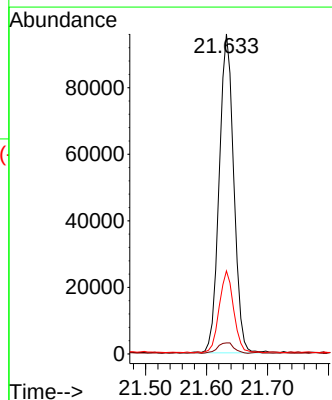
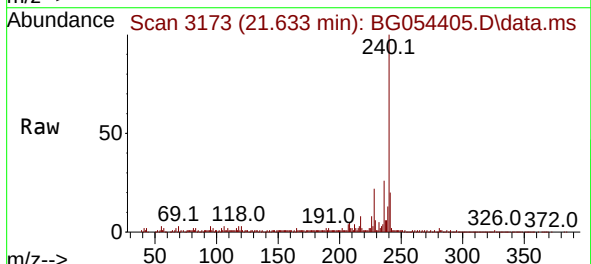
Instrument :
BNA_G
ClientSampleId :
ENV-DE-4(5-10)

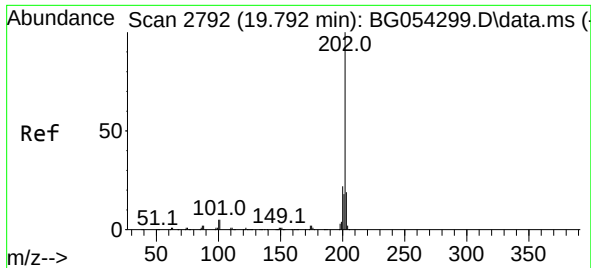
Tgt Ion:202 Resp: 238908
Ion Ratio Lower Upper
202 100
101 4.1 0.0 26.9
203 19.1 0.0 37.2



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.633 min Scan# 3173
Delta R.T. -0.010 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

Tgt Ion:240 Resp: 159634
Ion Ratio Lower Upper
240 100
120 3.5 4.6 7.0#
236 25.9 20.2 30.4

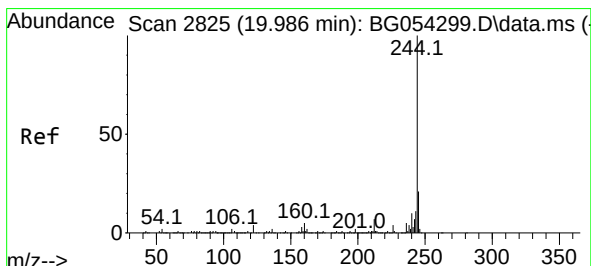
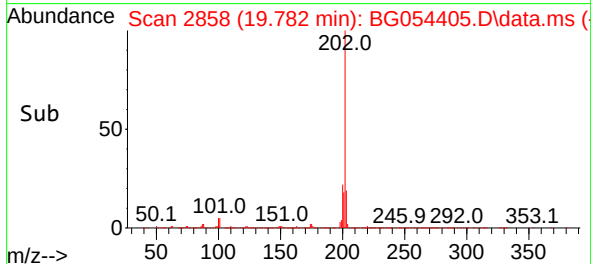
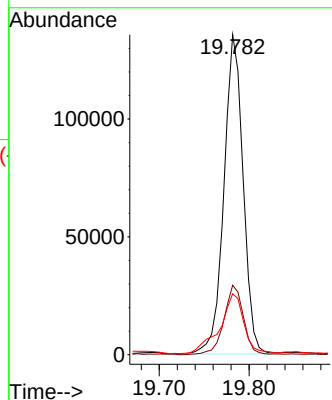
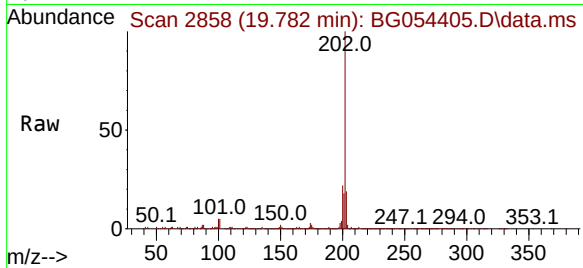




#78
 Pyrene
 Concen: 21.905 ng
 RT: 19.782 min Scan# 21
 Delta R.T. -0.010 min
 Lab File: BG054405.D
 Acq: 26 Jul 2022 19:45

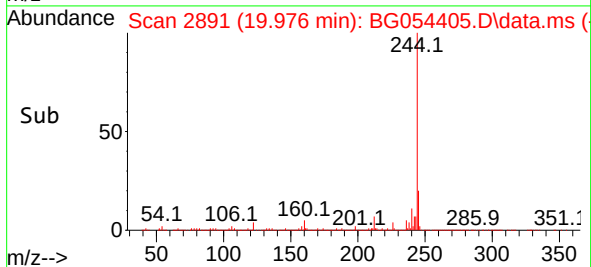
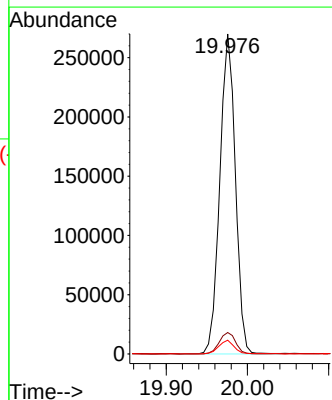
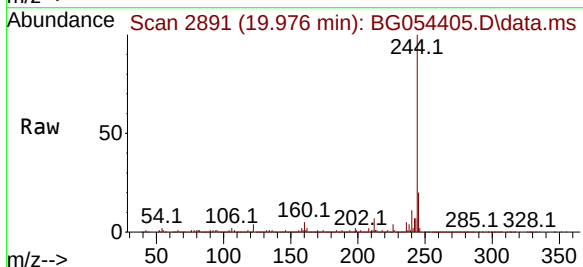
Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-4(5-10)

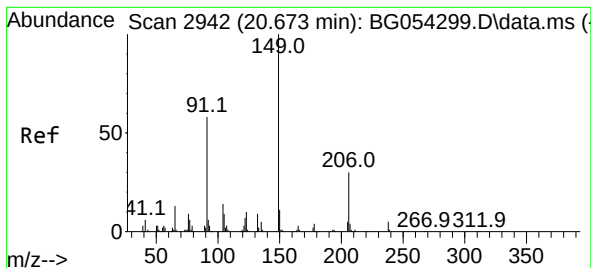
Tgt Ion:202 Resp: 200640
 Ion Ratio Lower Upper
 202 100
 200 21.7 16.6 24.8
 203 19.1 14.6 21.8



#79
 Terphenyl-d14
 Concen: 44.720 ng
 RT: 19.976 min Scan# 2891
 Delta R.T. -0.010 min
 Lab File: BG054405.D
 Acq: 26 Jul 2022 19:45

Tgt Ion:244 Resp: 359855
 Ion Ratio Lower Upper
 244 100
 212 6.7 6.5 9.7
 122 4.3 5.0 7.4#





#80

Butylbenzylphthalate

Concen: 2.179 ng

RT: 20.657 min Scan# 3007

Delta R.T. -0.016 min

Lab File: BG054405.D

Acq: 26 Jul 2022 19:45

Instrument :

BNA_G

ClientSampleId :

ENV-DE-4(5-10)

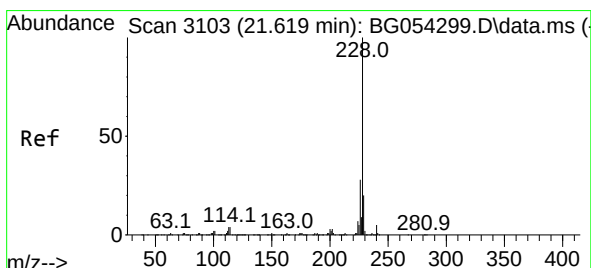
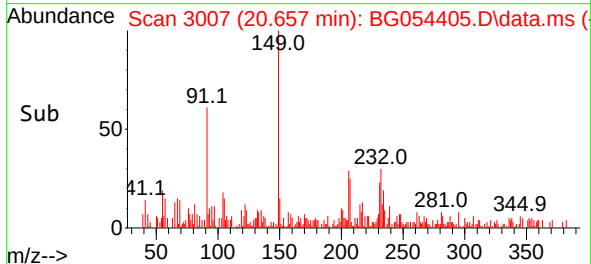
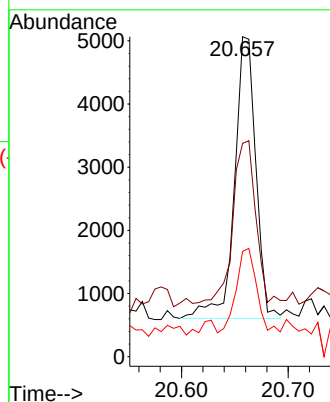
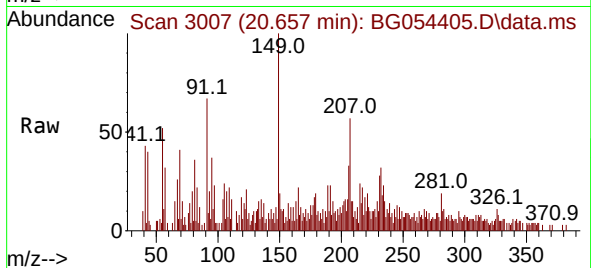
Tgt Ion:149 Resp: 6219

Ion Ratio Lower Upper

149 100

91 66.7 59.6 89.4

206 32.9 18.6 28.0#



#81

Benzo(a)anthracene

Concen: 13.089 ng

RT: 21.615 min Scan# 3170

Delta R.T. -0.004 min

Lab File: BG054405.D

Acq: 26 Jul 2022 19:45

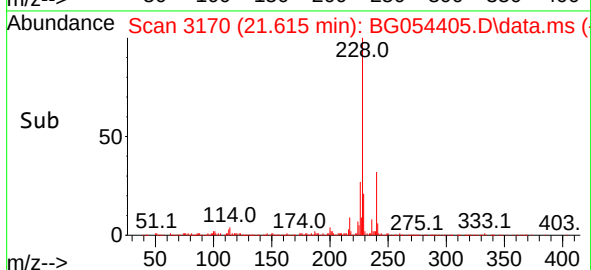
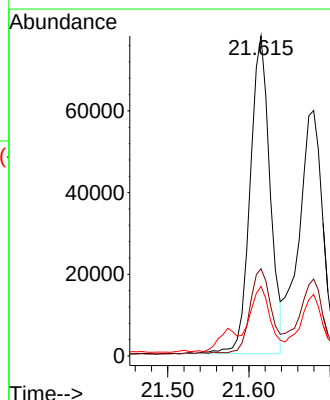
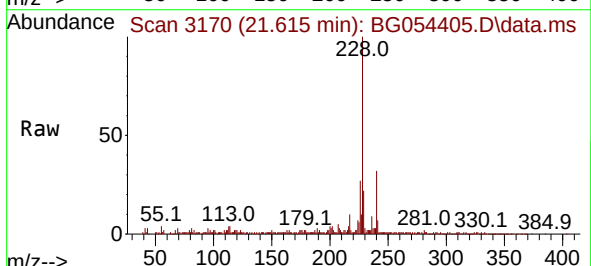
Tgt Ion:228 Resp: 132632

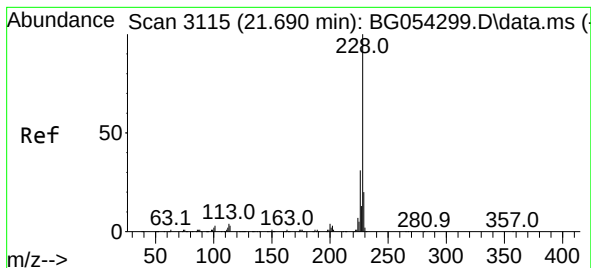
Ion Ratio Lower Upper

228 100

226 27.2 21.6 32.4

229 21.7 16.2 24.2





#83

Chrysene

Concen: 13.854 ng

RT: 21.615 min Scan# 3115

Delta R.T. -0.075 min

Lab File: BG054405.D

Acq: 26 Jul 2022 19:45

Instrument :

BNA_G

ClientSampleId :

ENV-DE-4(5-10)

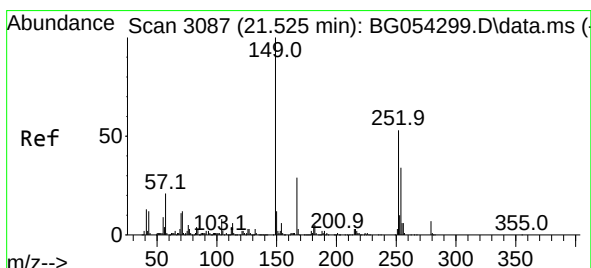
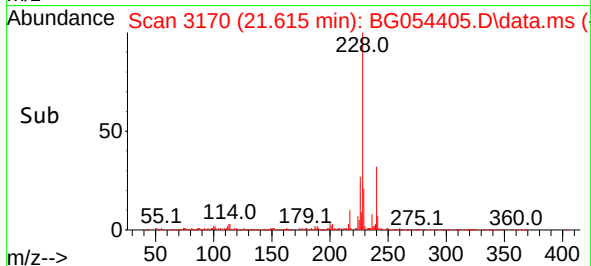
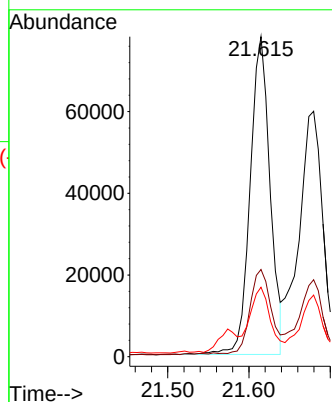
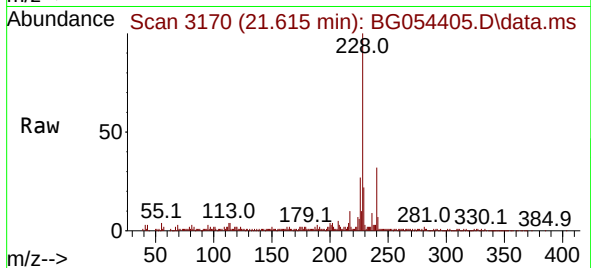
Tgt Ion:228 Resp: 132632

Ion Ratio Lower Upper

228 100

226 27.2 23.4 35.2

229 21.7 15.5 23.3



#84

Bis(2-ethylhexyl)phthalate

Concen: 10.160 ng

RT: 21.509 min Scan# 3152

Delta R.T. -0.016 min

Lab File: BG054405.D

Acq: 26 Jul 2022 19:45

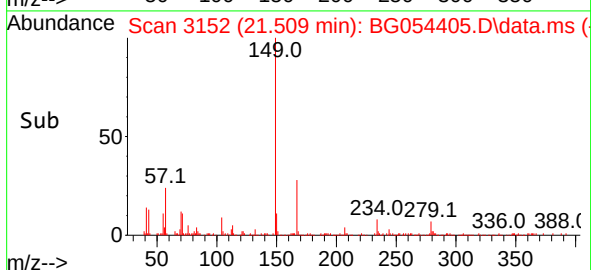
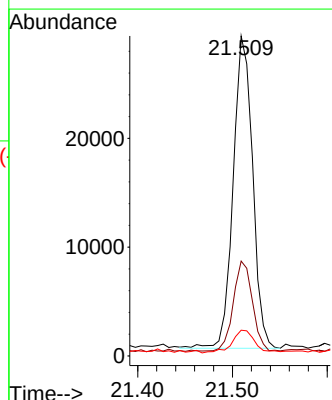
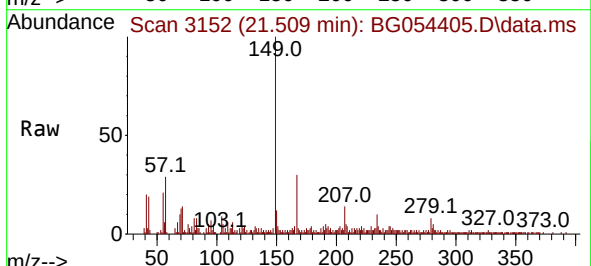
Tgt Ion:149 Resp: 41037

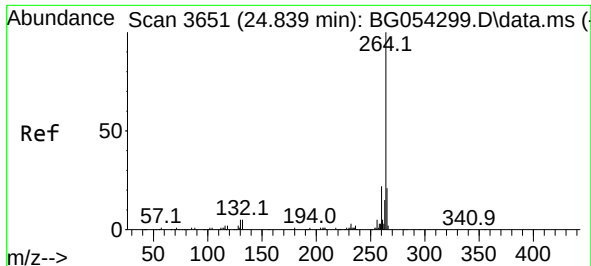
Ion Ratio Lower Upper

149 100

167 29.7 20.2 30.4

279 8.0 3.6 5.4#

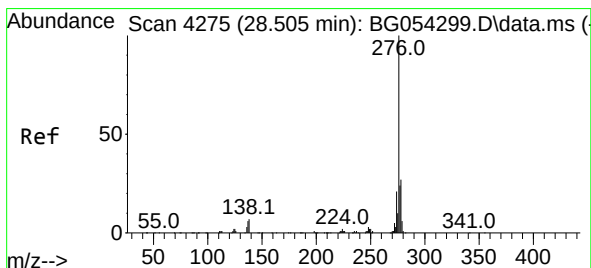
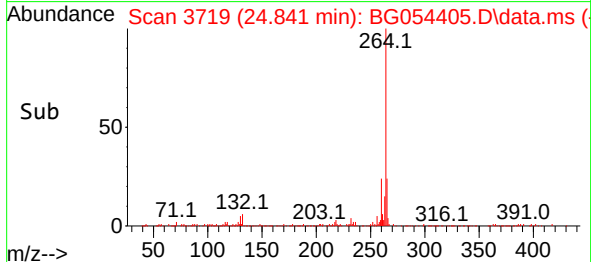
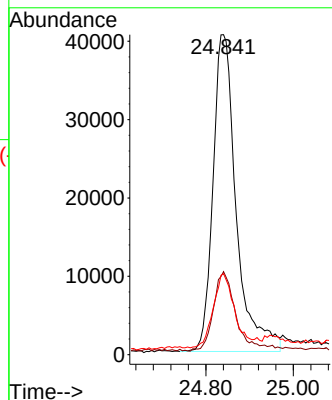
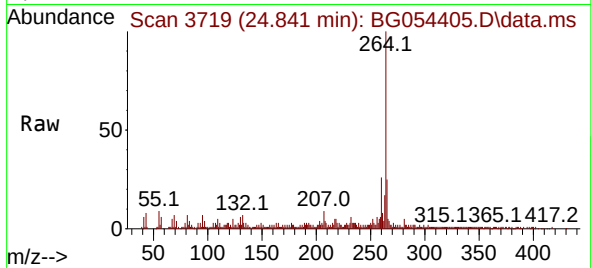




#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 24.841 min Scan# 31
 Delta R.T. 0.002 min
 Lab File: BG054405.D
 Acq: 26 Jul 2022 19:45

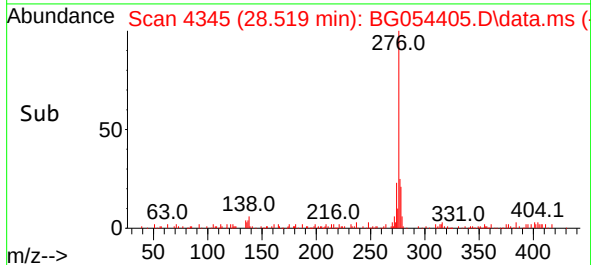
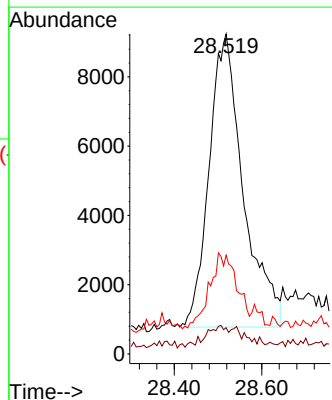
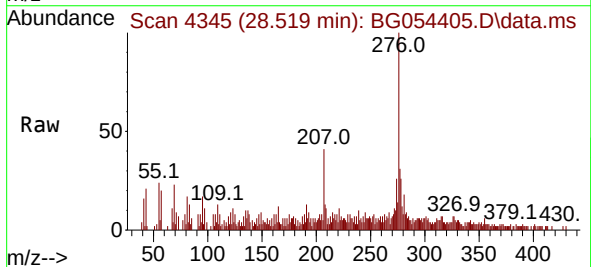
Instrument :
 BNA_G
 ClientSampleId :
 ENV-DE-4(5-10)

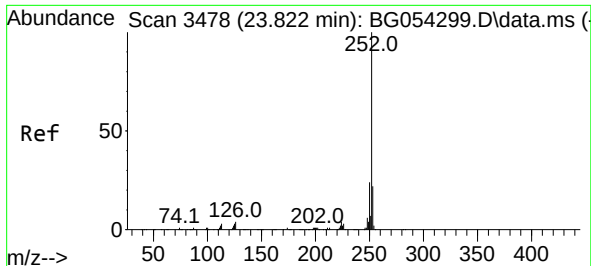
Tgt Ion:264 Resp: 149177
 Ion Ratio Lower Upper
 264 100
 260 26.0 19.0 28.6
 265 25.3 17.4 26.2



#87
 Indeno(1,2,3-cd)pyrene
 Concen: 4.055 ng
 RT: 28.519 min Scan# 4345
 Delta R.T. 0.013 min
 Lab File: BG054405.D
 Acq: 26 Jul 2022 19:45

Tgt Ion:276 Resp: 46013
 Ion Ratio Lower Upper
 276 100
 138 4.7 5.0 7.4#
 277 10.8 20.3 30.5#

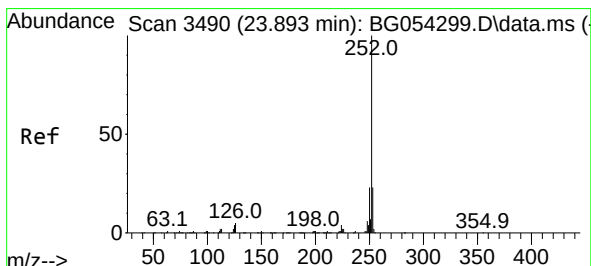
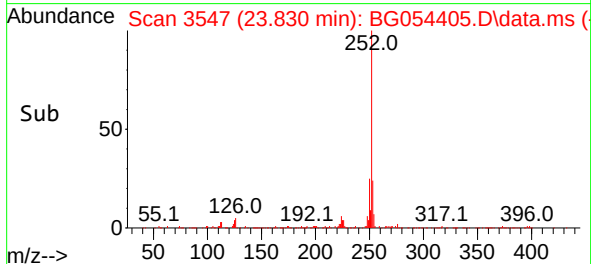
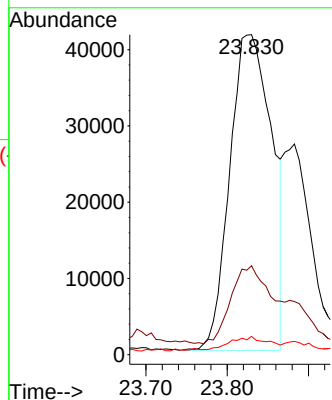
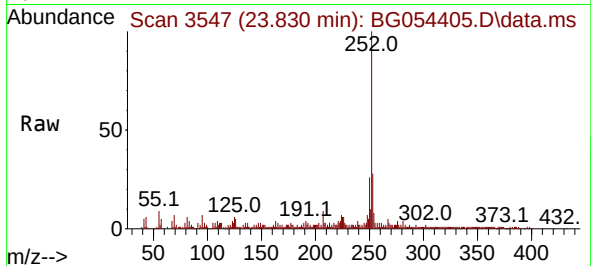




#88
Benzo(b)fluoranthene
Concen: 16.901 ng
RT: 23.830 min Scan# 3547
Delta R.T. 0.007 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

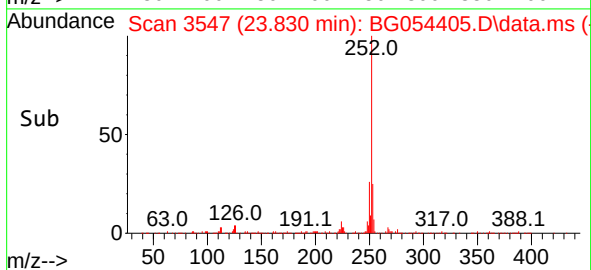
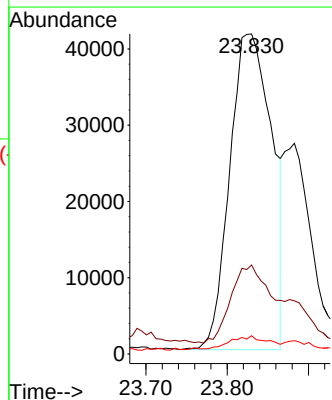
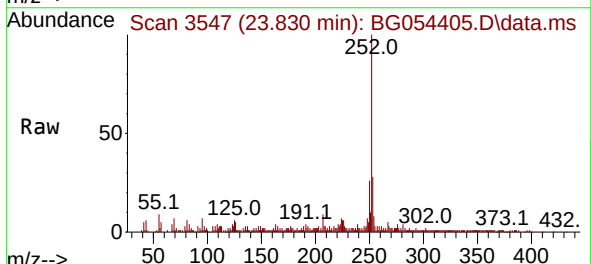
Instrument :
BNA_G
ClientSampleId :
ENV-DE-4(5-10)

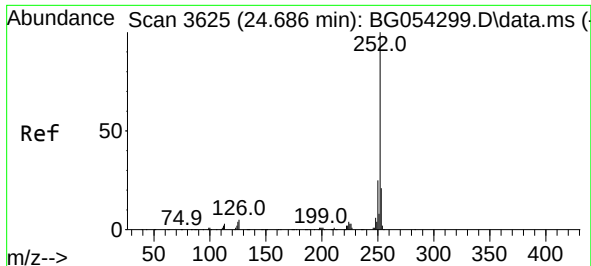
Tgt Ion:252 Resp: 149105
Ion Ratio Lower Upper
252 100
253 27.8 18.0 27.0#
125 5.7 4.6 6.8



#89
Benzo(k)fluoranthene
Concen: 16.982 ng
RT: 23.830 min Scan# 3547
Delta R.T. -0.063 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

Tgt Ion:252 Resp: 149105
Ion Ratio Lower Upper
252 100
253 27.8 18.4 27.6#
125 5.7 4.8 7.2

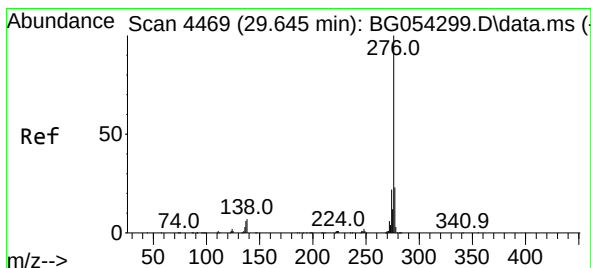
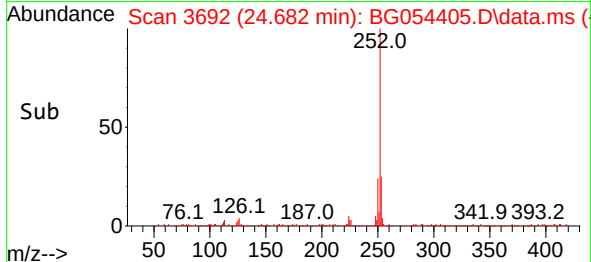
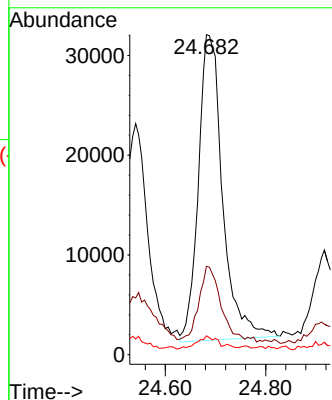
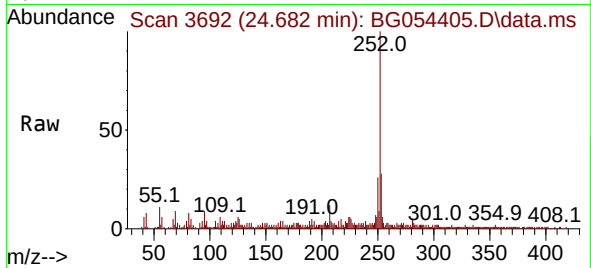




#90
Benzo(a)pyrene
Concen: 13.629 ng
RT: 24.682 min Scan# 30
Delta R.T. -0.004 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

Instrument :
BNA_G
ClientSampleId :
ENV-DE-4(5-10)

Tgt Ion:252 Resp: 102680
Ion Ratio Lower Upper
252 100
253 27.6 17.8 26.8#
125 5.9 4.3 6.5



#92
Benzo(g,h,i)perylene
Concen: 4.272 ng
RT: 29.658 min Scan# 4539
Delta R.T. 0.013 min
Lab File: BG054405.D
Acq: 26 Jul 2022 19:45

Tgt Ion:276 Resp: 39343
Ion Ratio Lower Upper
276 100
277 30.3 17.3 25.9#
138 10.0 9.6 14.4

