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 Data File : BG053295.D
 Acq On : 23 Apr 2022 16:21
 Operator : CG/JU
 Sample : N2477-01
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 371

Quant Time: Apr 24 02:49:36 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG040822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sun Apr 24 01:13:30 2022
 Response via : Initial Calibration

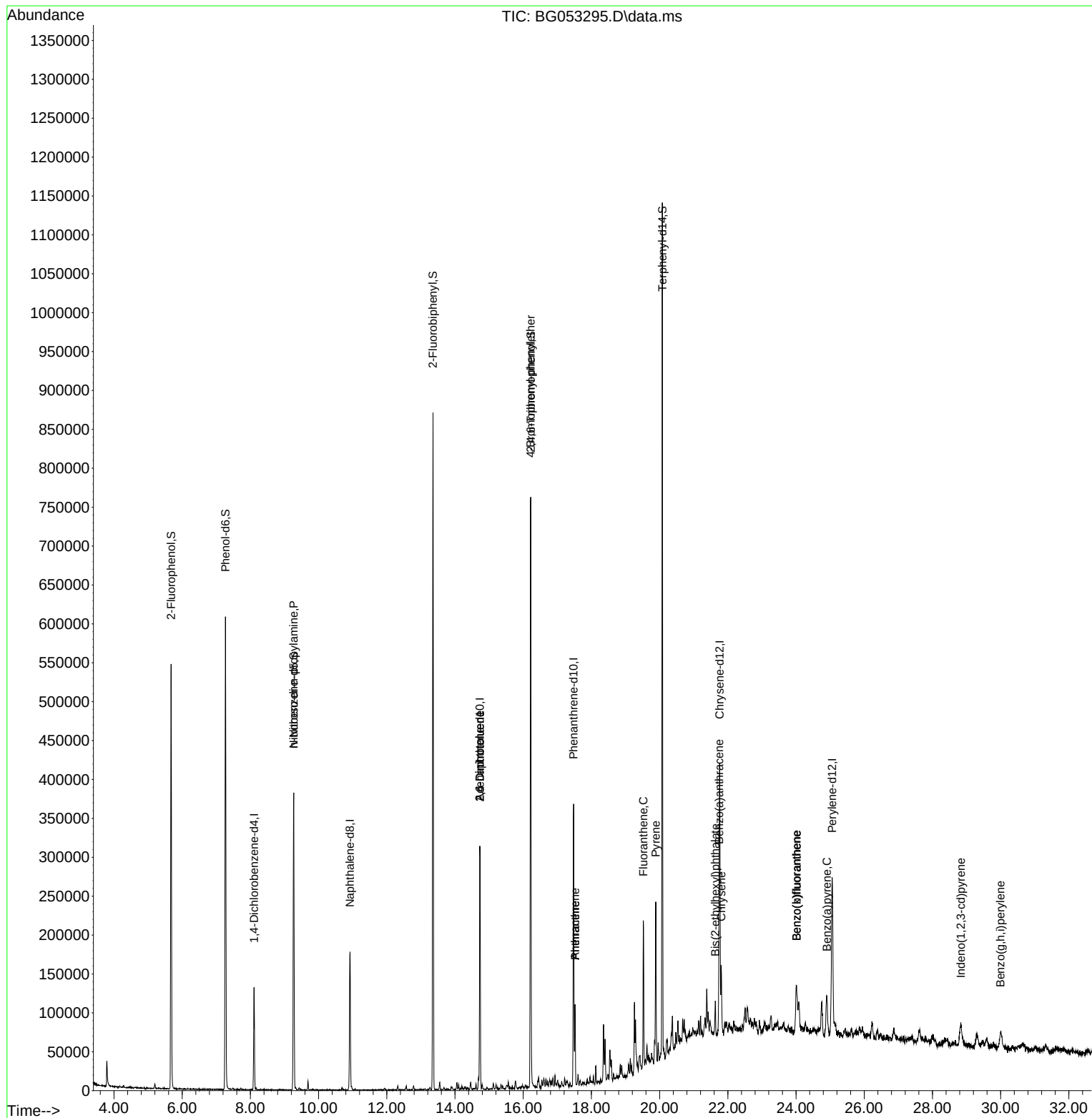
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.109	152	36062	20.000	ng	0.00
21) Naphthalene-d8	10.922	136	152810	20.000	ng	0.00
39) Acenaphthene-d10	14.729	164	110456	20.000	ng	0.00
64) Phenanthrene-d10	17.478	188	235334	20.000	ng	0.00
76) Chrysene-d12	21.761	240	211093	20.000	ng	0.00
86) Perylene-d12	25.056	264	215032	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.677	112	229477	109.080	ng	0.00
7) Phenol-d6	7.269	99	345208	106.408	ng	0.00
23) Nitrobenzene-d5	9.272	82	245077	65.120	ng	0.00
42) 2,4,6-Tribromophenol	16.221	330	161607	91.963	ng	0.00
45) 2-Fluorobiphenyl	13.354	172	461589	57.624	ng	0.00
79) Terphenyl-d14	20.081	244	545025	43.606	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.272	70	33626	14.158	ng	# 77
51) 2,6-Dinitrotoluene	14.729	165	14526	7.881	ng	# 25
57) 2,4-Dinitrotoluene	14.729	165	14526	5.536	ng	# 24
67) 4-Bromophenyl-phenylether	16.215	248	10328	3.425	ng	# 1
71) Phenanthrene	17.519	178	68904	5.360	ng	94
72) Anthracene	17.519	178	68904	5.411	ng	96
75) Fluoranthene	19.523	202	117888	7.155	ng	98
78) Pyrene	19.887	202	120308	8.002	ng	98
81) Benzo(a)anthracene	21.743	228	61739	4.278	ng	97
83) Chrysene	21.808	228	66557	4.969	ng	99
84) Bis(2-ethylhexyl)phtha...	21.631	149	15157	2.001	ng	95
87) Indeno(1,2,3-cd)pyrene	28.833	276	45194	2.829	ng	# 89
88) Benzo(b)fluoranthene	24.016	252	86111	6.347	ng	95
89) Benzo(k)fluoranthene	24.016	252	86111	6.458	ng	# 95
90) Benzo(a)pyrene	24.904	252	61122	5.288	ng	96
92) Benzo(g,h,i)perylene	29.997	276	47692	3.680	ng	94

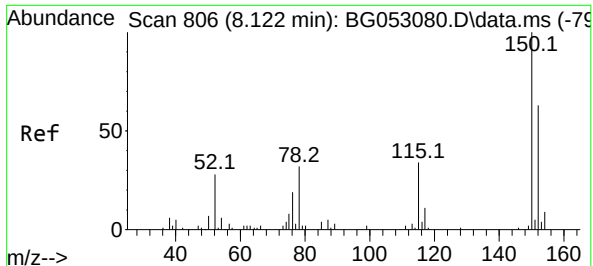
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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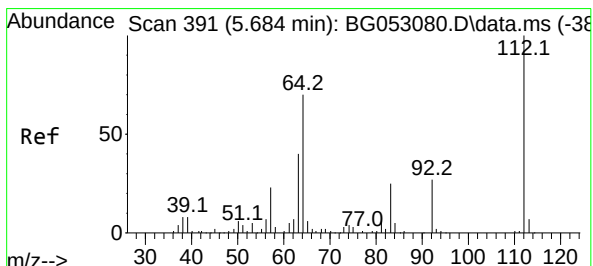
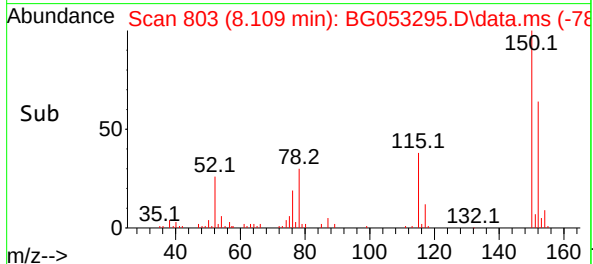
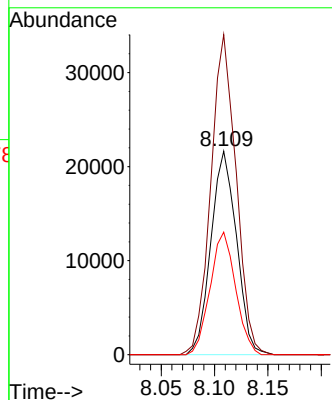
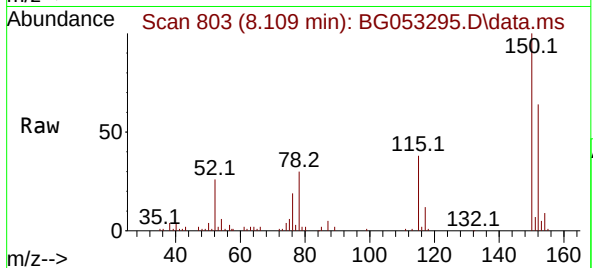




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.109 min Scan# 806
Delta R.T. -0.004 min
Lab File: BG053295.D
Acq: 23 Apr 2022 16:21

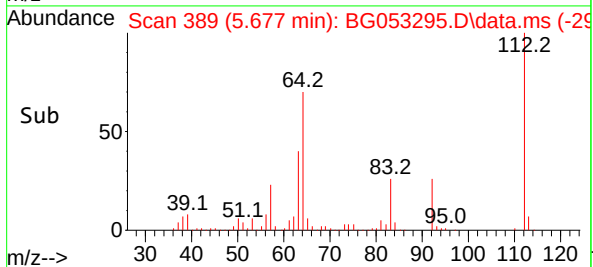
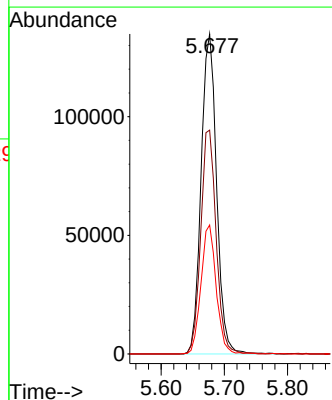
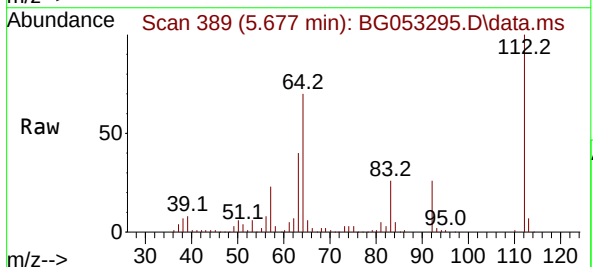
Instrument :
BNA_G
ClientSampleId :
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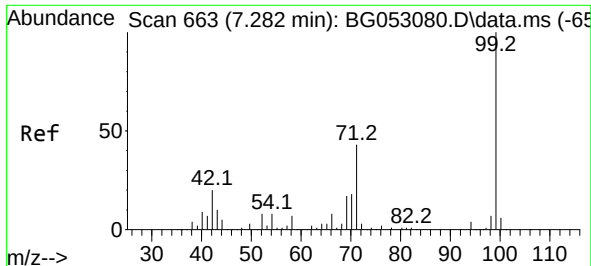
Tgt Ion:152 Resp: 36062
Ion Ratio Lower Upper
152 100
150 157.3 114.6 172.0
115 60.3 45.9 68.9



#5
2-Fluorophenol
Concen: 109.080 ng
RT: 5.677 min Scan# 389
Delta R.T. 0.001 min
Lab File: BG053295.D
Acq: 23 Apr 2022 16:21

Tgt Ion:112 Resp: 229477
Ion Ratio Lower Upper
112 100
64 70.0 48.0 72.0
63 40.3 26.5 39.7#

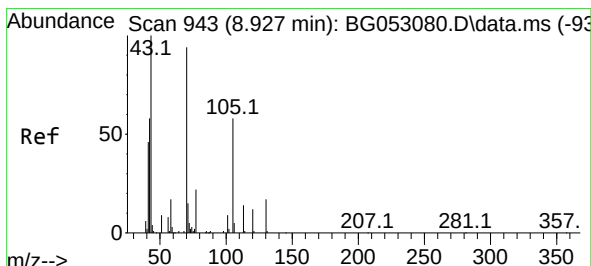
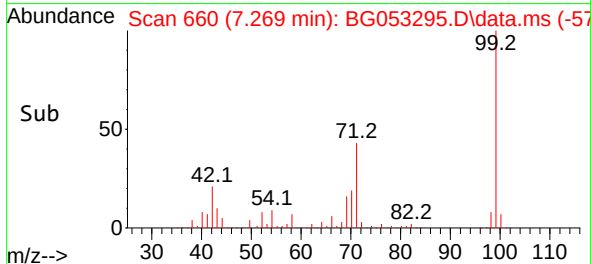
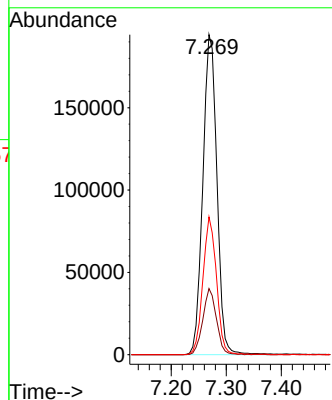
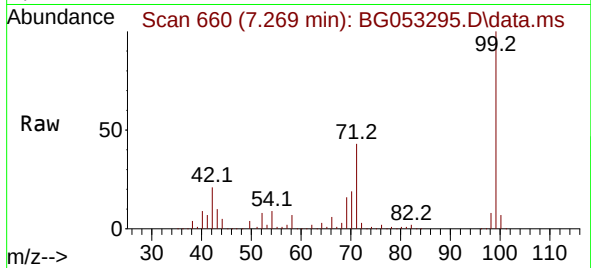




#7
Phenol-d6
Concen: 106.408 ng
RT: 7.269 min Scan# 60
Delta R.T. -0.005 min
Lab File: BG053295.D
Acq: 23 Apr 2022 16:21

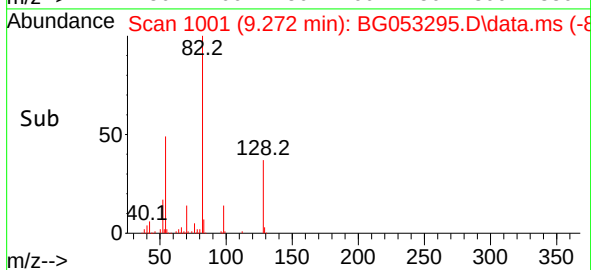
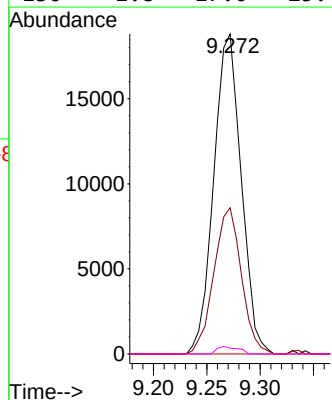
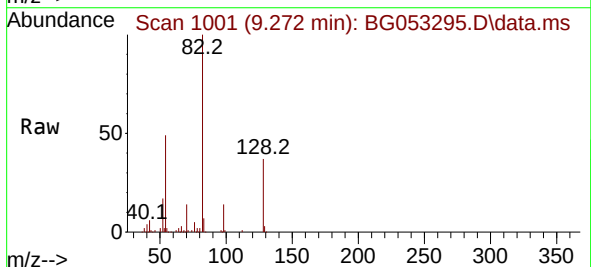
Instrument :
BNA_G
ClientSampleId :
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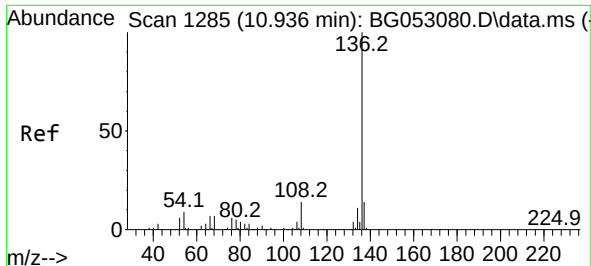
Tgt Ion: 99 Resp: 345208
Ion Ratio Lower Upper
99 100
42 20.7 14.7 22.1
71 43.1 29.2 43.8



#19
n-Nitroso-di-n-propylamine
Concen: 14.158 ng
RT: 9.272 min Scan# 1001
Delta R.T. 0.359 min
Lab File: BG053295.D
Acq: 23 Apr 2022 16:21

Tgt Ion: 70 Resp: 33626
Ion Ratio Lower Upper
70 100
42 45.7 46.0 69.0#
101 0.0 6.2 9.4#
130 1.8 17.0 25.4#

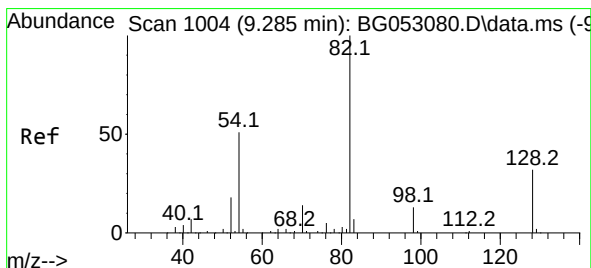
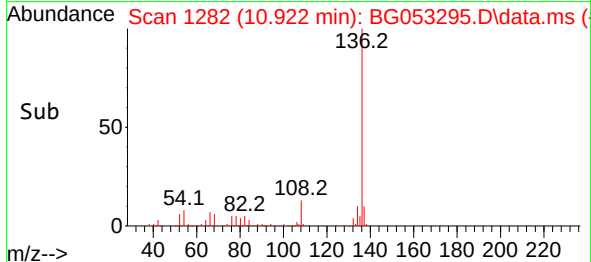
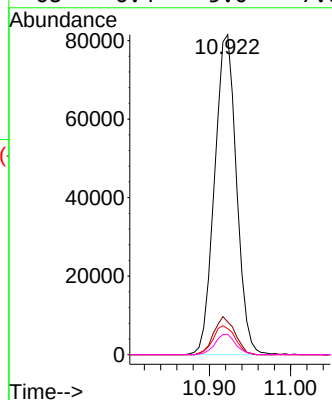
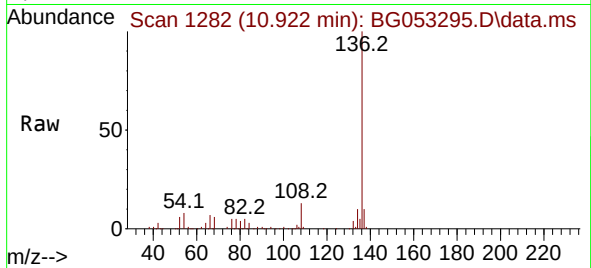




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.922 min Scan# 110
Delta R.T. 0.001 min
Lab File: BG053295.D
Acq: 23 Apr 2022 16:21

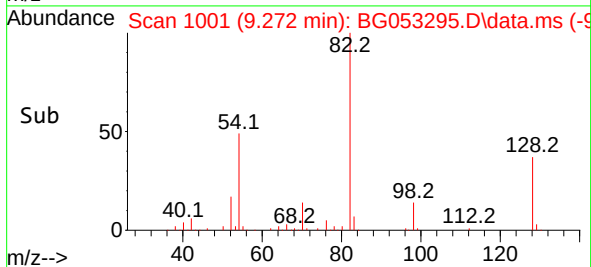
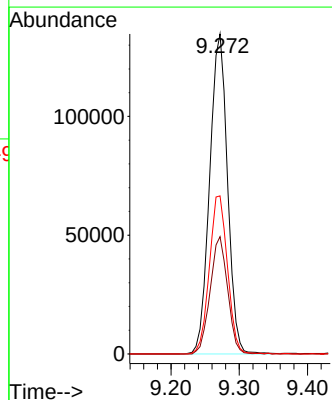
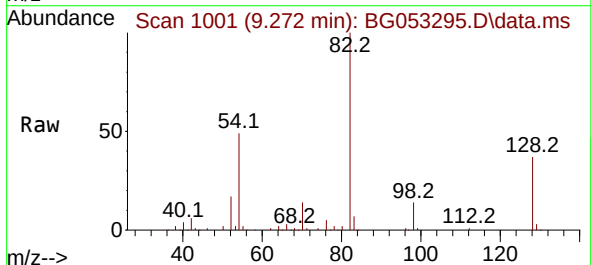
Instrument :
BNA_G
ClientSampleId :
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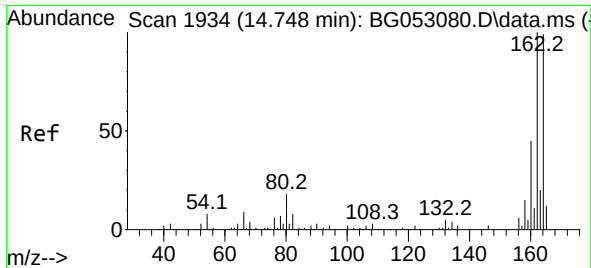
Tgt Ion:136 Resp: 152810
Ion Ratio Lower Upper
136 100
137 10.2 9.4 14.2
54 8.2 6.4 9.6
68 6.4 5.0 7.6



#23
Nitrobenzene-d5
Concen: 65.120 ng
RT: 9.272 min Scan# 1001
Delta R.T. -0.005 min
Lab File: BG053295.D
Acq: 23 Apr 2022 16:21

Tgt Ion: 82 Resp: 245077
Ion Ratio Lower Upper
82 100
128 36.6 31.3 46.9
54 49.4 37.8 56.8

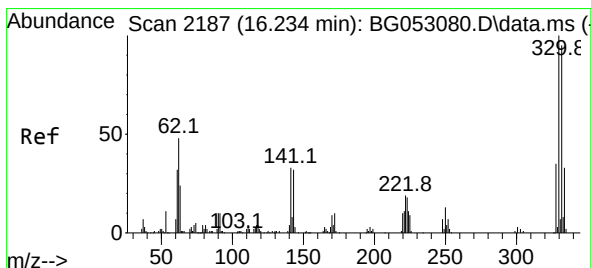
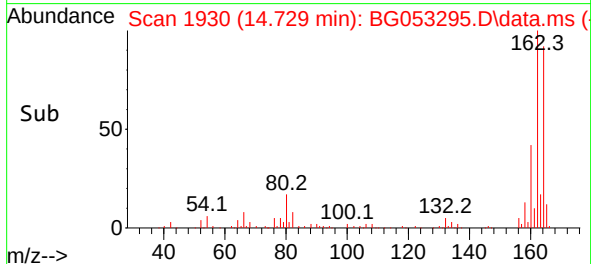
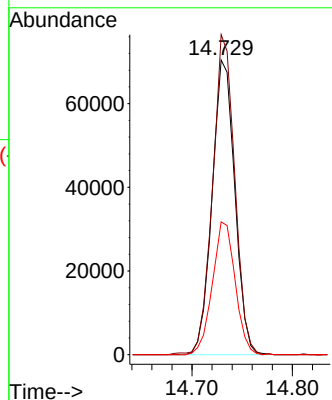
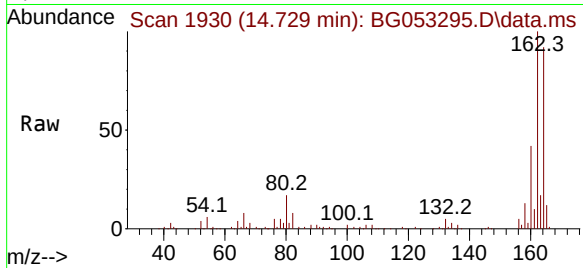




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.729 min Scan# 1930
Delta R.T. -0.005 min
Lab File: BG053295.D
Acq: 23 Apr 2022 16:21

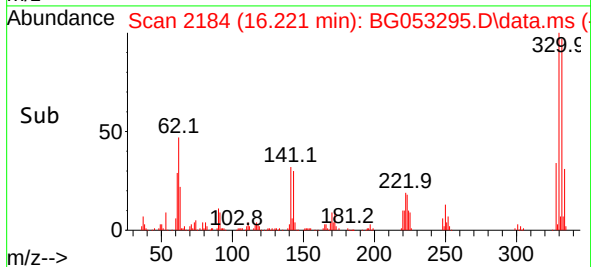
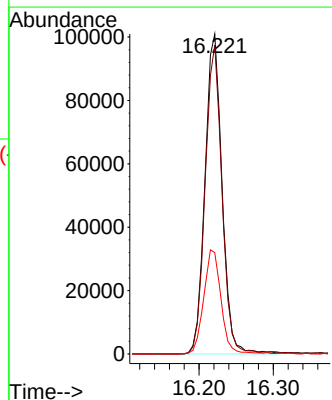
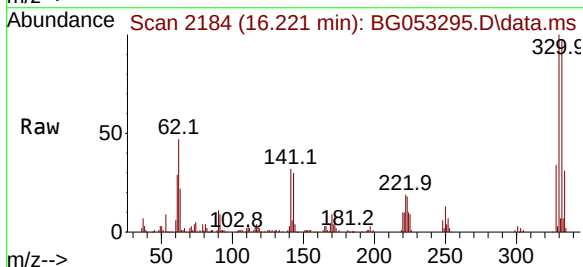
Instrument :
BNA_G
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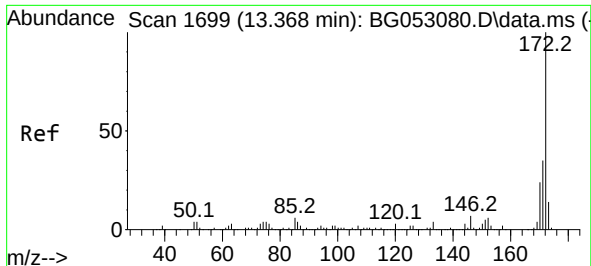
Tgt Ion:164 Resp: 110456
Ion Ratio Lower Upper
164 100
162 108.6 80.0 120.0
160 45.1 38.8 58.2



#42
2,4,6-Tribromophenol
Concen: 91.963 ng
RT: 16.221 min Scan# 2184
Delta R.T. -0.005 min
Lab File: BG053295.D
Acq: 23 Apr 2022 16:21

Tgt Ion:330 Resp: 161607
Ion Ratio Lower Upper
330 100
332 94.4 75.8 113.6
141 33.0 24.6 36.8

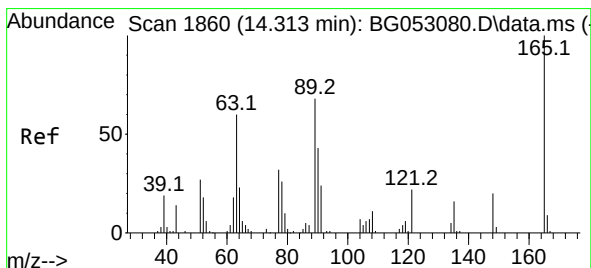
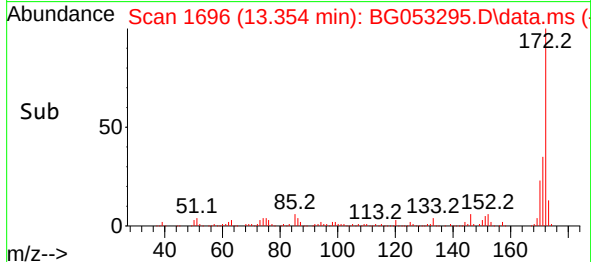
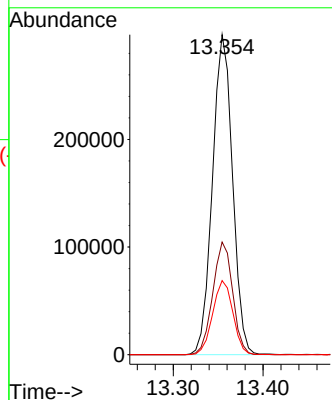
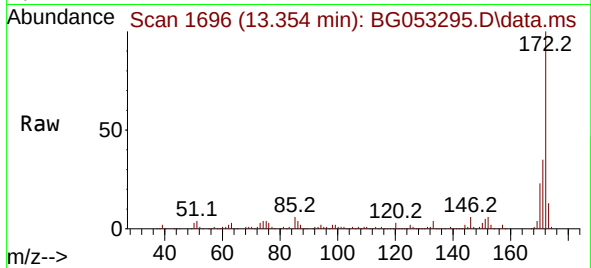




#45
2-Fluorobiphenyl
Concen: 57.624 ng
RT: 13.354 min Scan# 1
Delta R.T. -0.005 min
Lab File: BG053295.D
Acq: 23 Apr 2022 16:21

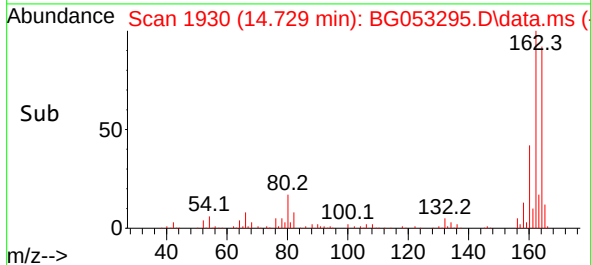
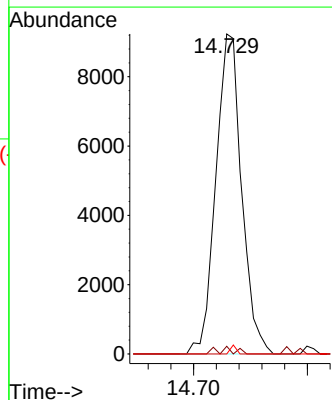
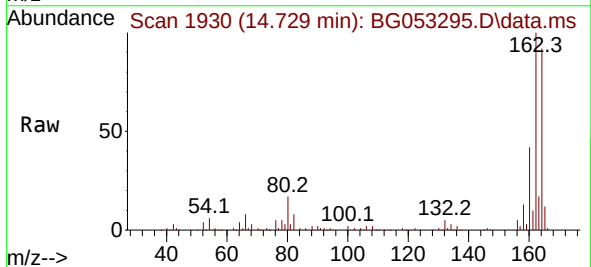
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BNA_G
ClientSampleId :
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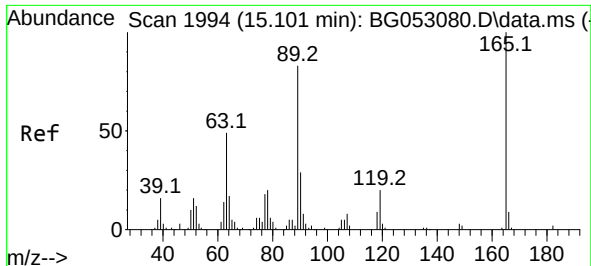
Tgt Ion:172 Resp: 461589
Ion Ratio Lower Upper
172 100
171 35.2 28.3 42.5
170 23.1 18.0 27.0



#51
2,6-Dinitrotoluene
Concen: 7.881 ng
RT: 14.729 min Scan# 1930
Delta R.T. 0.424 min
Lab File: BG053295.D
Acq: 23 Apr 2022 16:21

Tgt Ion:165 Resp: 14526
Ion Ratio Lower Upper
165 100
63 2.4 43.7 65.5#
89 0.0 45.0 67.4#





#57

2,4-Dinitrotoluene

Concen: 5.536 ng

RT: 14.729 min Scan# 1994

Delta R.T. -0.363 min

Lab File: BG053295.D

Acq: 23 Apr 2022 16:21

Instrument :

BNA_G

ClientSampleId :

371

Tgt Ion:165 Resp: 14526

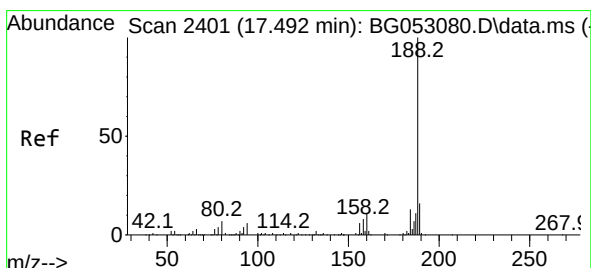
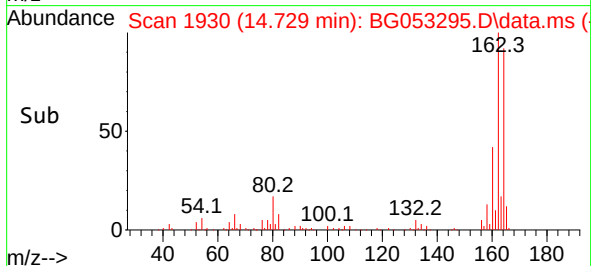
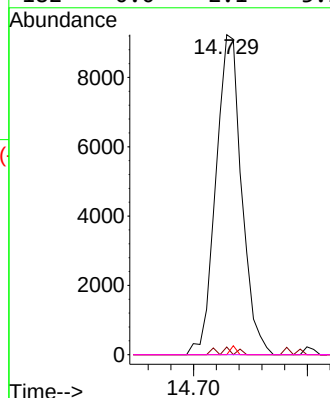
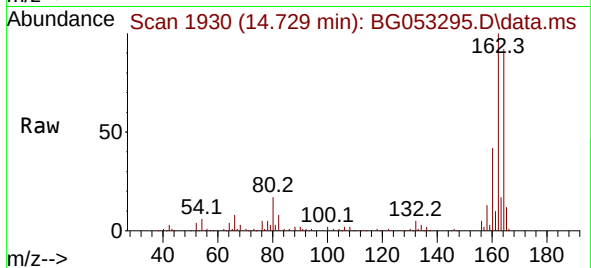
Ion Ratio Lower Upper

165 100

63 2.4 34.8 52.2#

89 0.0 57.4 86.0#

182 0.0 2.1 3.1#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.478 min Scan# 2398

Delta R.T. -0.005 min

Lab File: BG053295.D

Acq: 23 Apr 2022 16:21

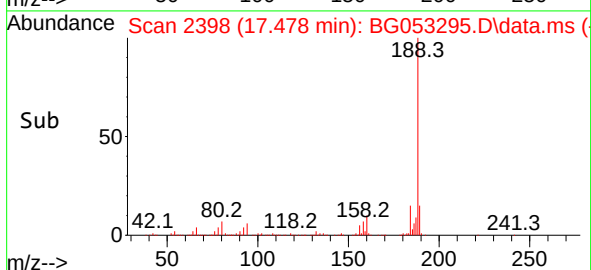
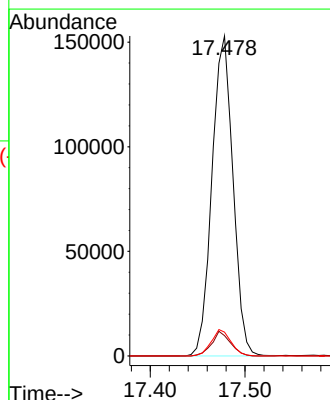
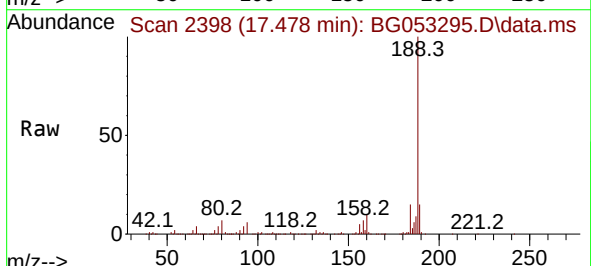
Tgt Ion:188 Resp: 235334

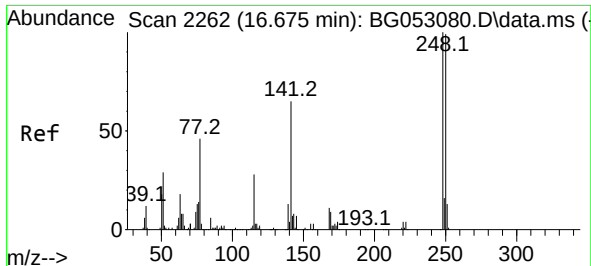
Ion Ratio Lower Upper

188 100

94 6.4 5.7 8.5

80 7.4 7.2 10.8

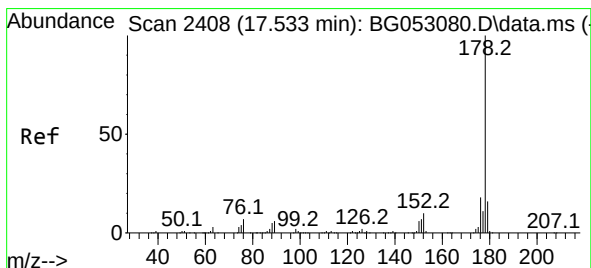
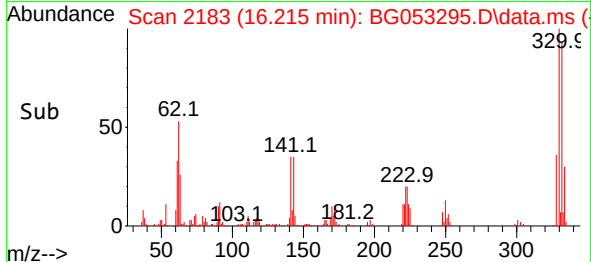
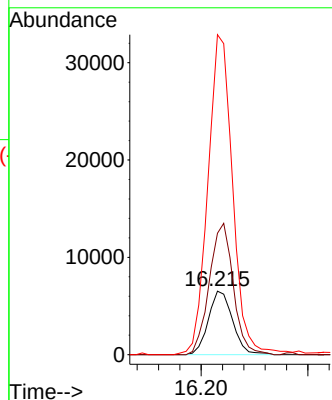
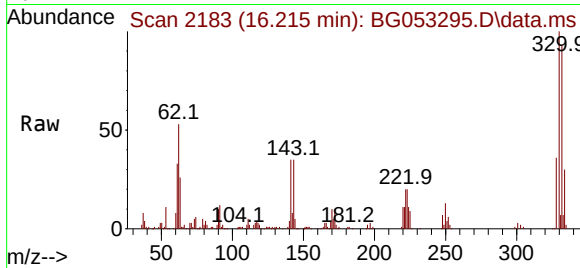




#67
4-Bromophenyl-phenylether
Concen: 3.425 ng
RT: 16.215 min Scan# 2183
Delta R.T. -0.445 min
Lab File: BG053295.D
Acq: 23 Apr 2022 16:21

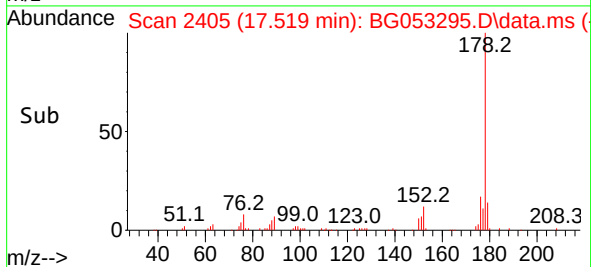
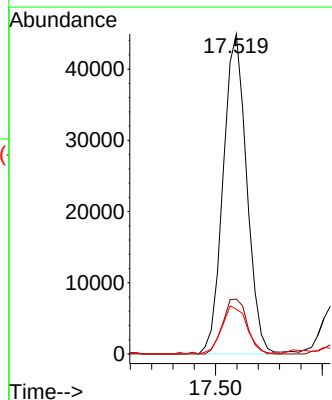
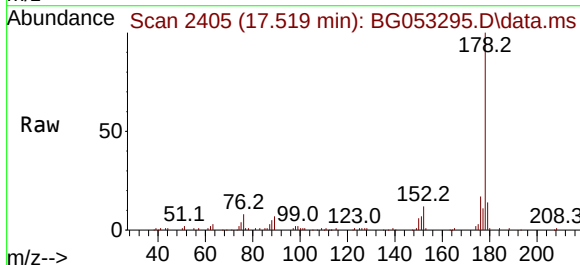
Instrument :
BNA_G
ClientSampleId :
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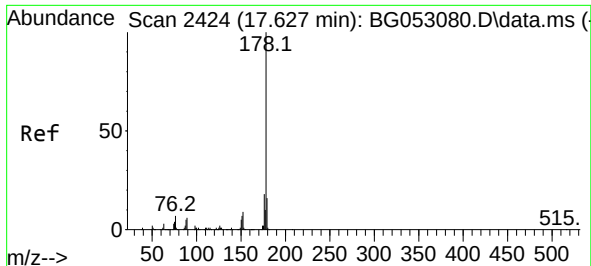
Tgt Ion:248 Resp: 10328
Ion Ratio Lower Upper
248 100
250 191.1 77.9 116.9#
141 503.4 49.2 73.8#



#71
Phenanthrene
Concen: 5.360 ng
RT: 17.519 min Scan# 2405
Delta R.T. -0.005 min
Lab File: BG053295.D
Acq: 23 Apr 2022 16:21

Tgt Ion:178 Resp: 68904
Ion Ratio Lower Upper
178 100
176 17.2 15.9 23.9
179 14.0 13.4 20.2

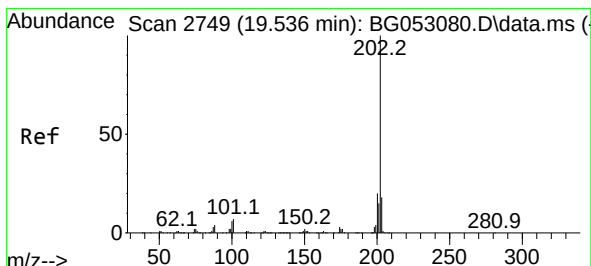
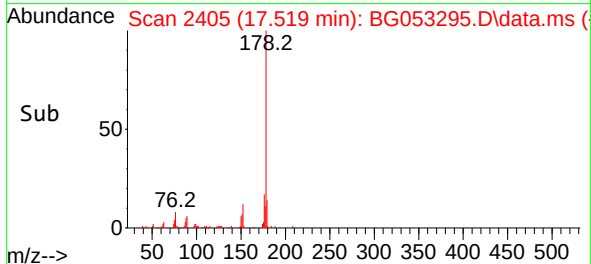
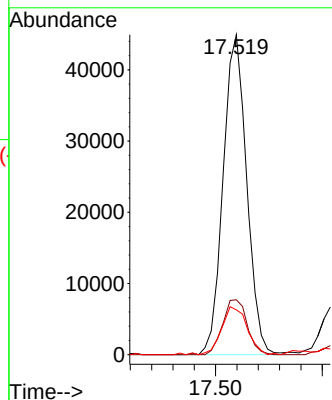
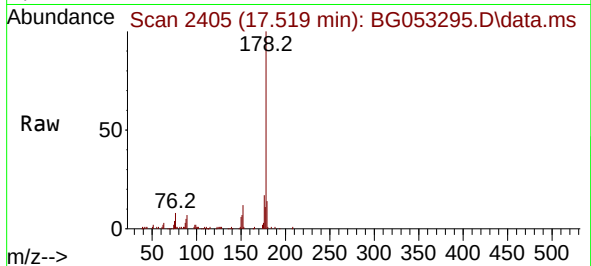




#72
 Anthracene
 Concen: 5.411 ng
 RT: 17.519 min Scan# 2424
 Delta R.T. -0.093 min
 Lab File: BG053295.D
 Acq: 23 Apr 2022 16:21

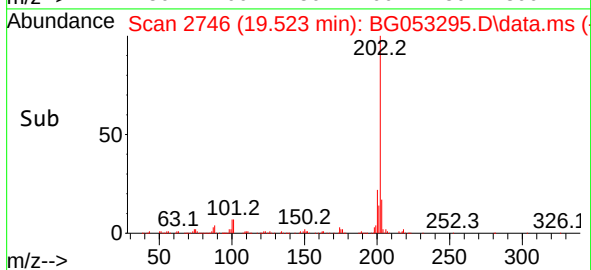
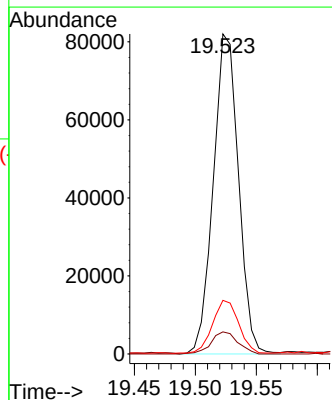
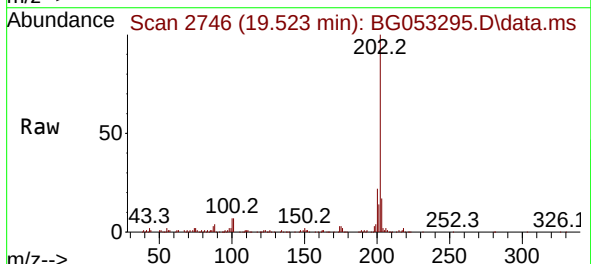
Instrument :
 BNA_G
 ClientSampleId :
 371

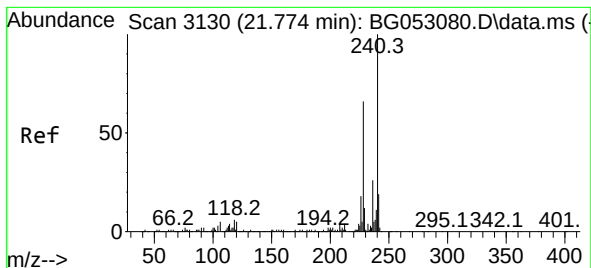
Tgt Ion:178 Resp: 68904
 Ion Ratio Lower Upper
 178 100
 176 17.2 14.7 22.1
 179 14.0 13.2 19.8



#75
 Fluoranthene
 Concen: 7.155 ng
 RT: 19.523 min Scan# 2746
 Delta R.T. -0.005 min
 Lab File: BG053295.D
 Acq: 23 Apr 2022 16:21

Tgt Ion:202 Resp: 117888
 Ion Ratio Lower Upper
 202 100
 101 6.9 0.0 27.3
 203 16.8 0.0 37.7





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.761 min Scan# 31

Delta R.T. -0.005 min

Lab File: BG053295.D

Acq: 23 Apr 2022 16:21

Instrument :

BNA_G

ClientSampleId :

371

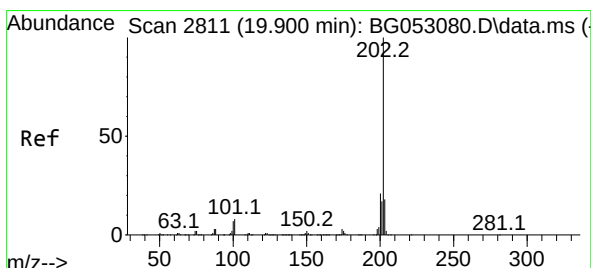
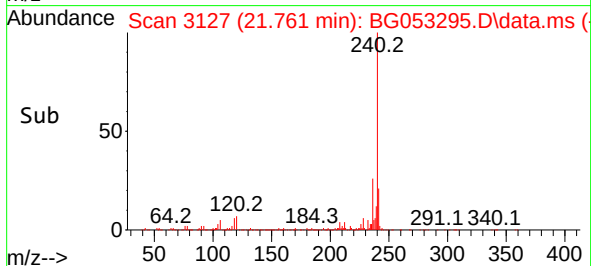
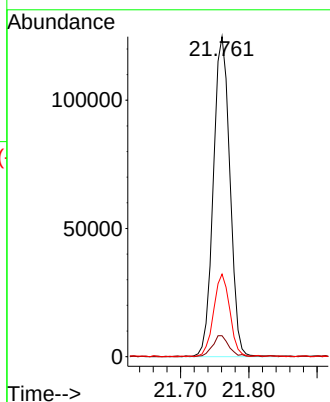
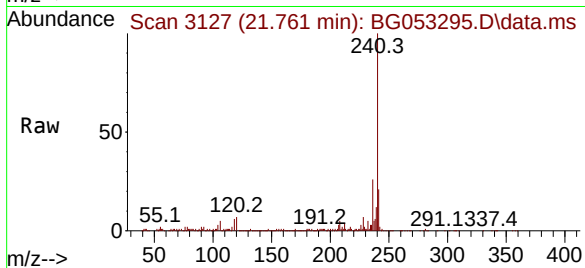
Tgt Ion:240 Resp: 211093

Ion Ratio Lower Upper

240 100

120 6.6 5.4 8.0

236 25.8 19.8 29.6



#78

Pyrene

Concen: 8.002 ng

RT: 19.887 min Scan# 2808

Delta R.T. -0.005 min

Lab File: BG053295.D

Acq: 23 Apr 2022 16:21

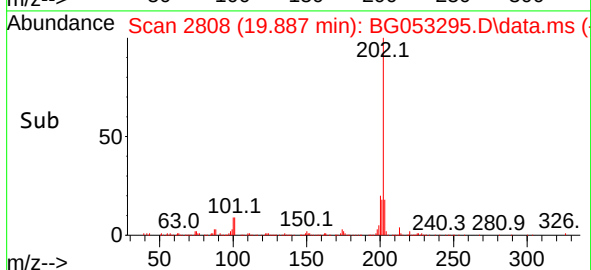
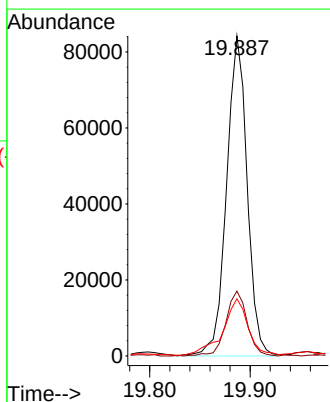
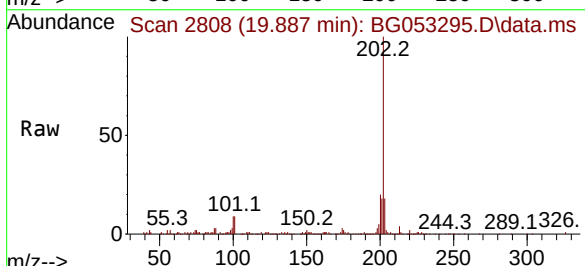
Tgt Ion:202 Resp: 120308

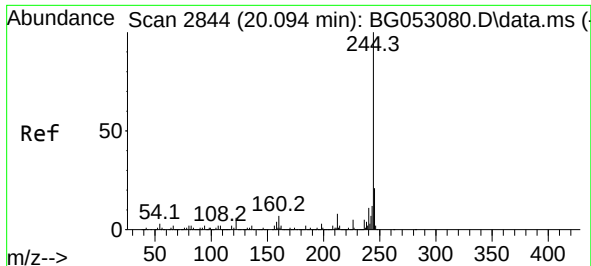
Ion Ratio Lower Upper

202 100

200 20.3 17.0 25.6

203 17.9 15.0 22.6

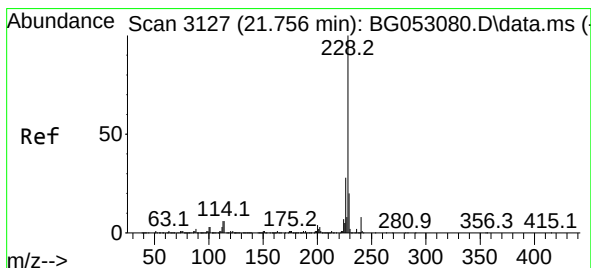
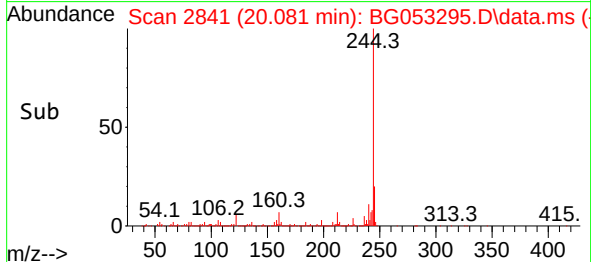
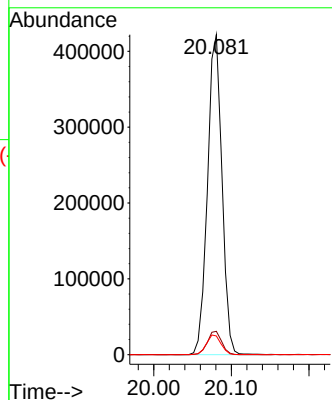
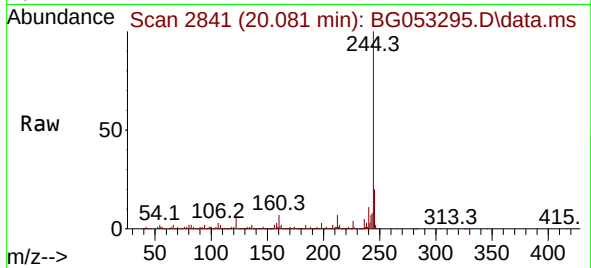




#79
 Terphenyl-d14
 Concen: 43.606 ng
 RT: 20.081 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG053295.D
 Acq: 23 Apr 2022 16:21

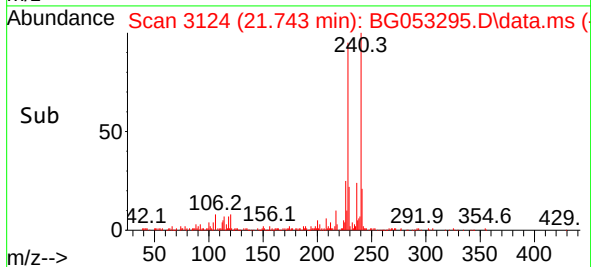
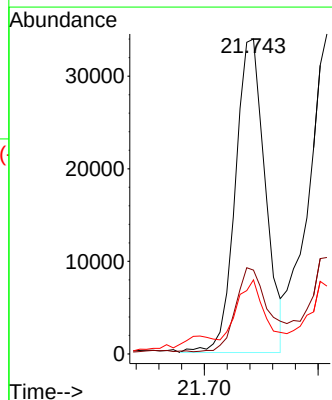
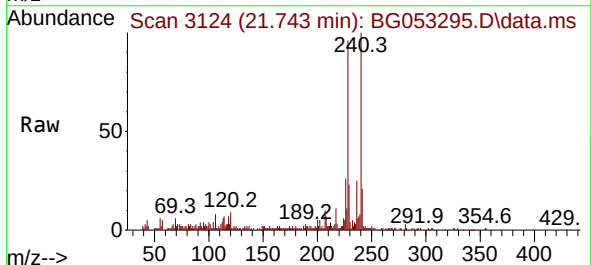
Instrument :
 BNA_G
 ClientSampleId :
 371

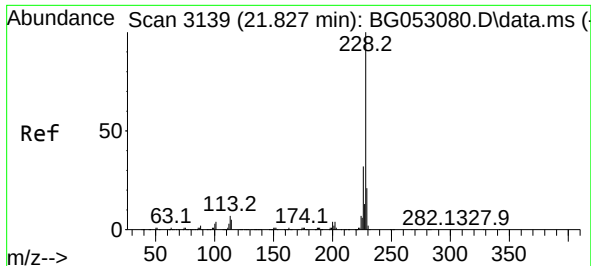
Tgt Ion:244	Resp:	545025	
Ion	Ratio	Lower	Upper
244	100		
212	7.3	5.4	8.2
122	5.9	5.8	8.6



#81
 Benzo(a)anthracene
 Concen: 4.278 ng
 RT: 21.743 min Scan# 3124
 Delta R.T. -0.005 min
 Lab File: BG053295.D
 Acq: 23 Apr 2022 16:21

Tgt	Ion:228	Resp:	61739
Ion	Ratio	Lower	Upper
228	100		
226	26.6	21.4	32.0
229	23.5	16.7	25.1

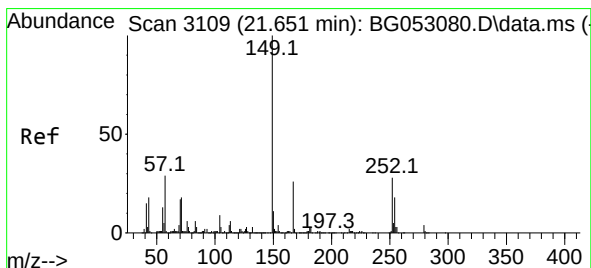
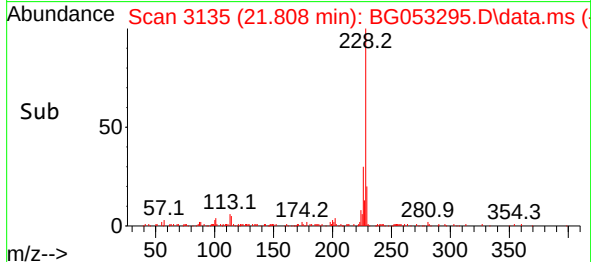
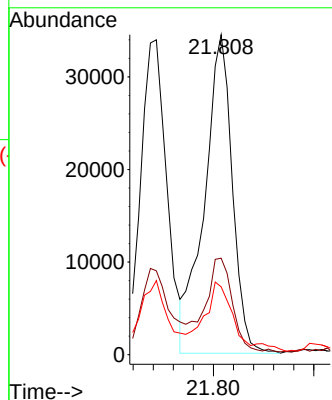
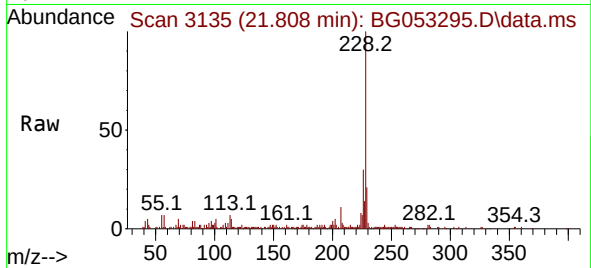




#83
Chrysene
Concen: 4.969 ng
RT: 21.808 min Scan# 3139
Delta R.T. -0.005 min
Lab File: BG053295.D
Acq: 23 Apr 2022 16:21

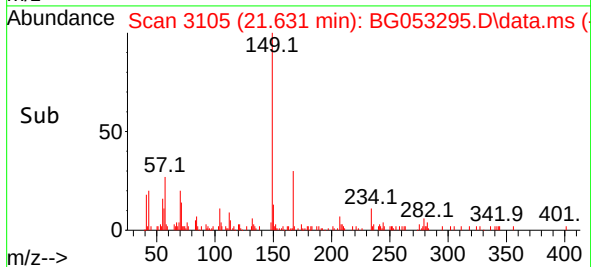
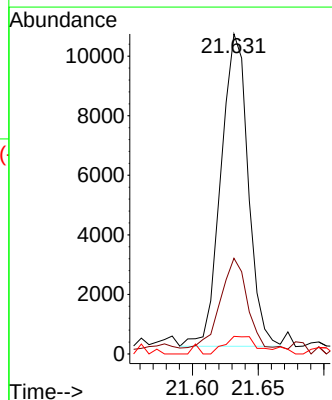
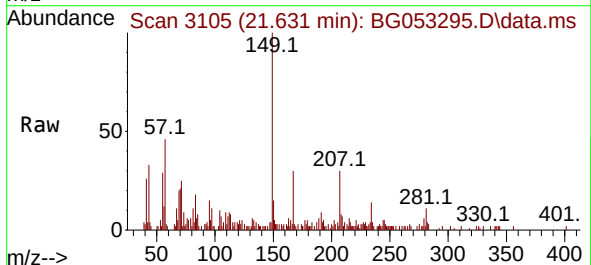
Instrument :
BNA_G
ClientSampleId :
371

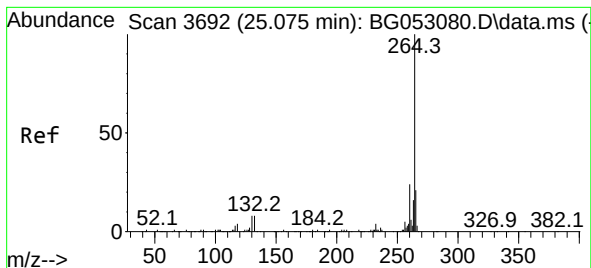
Tgt Ion:228 Resp: 66557
Ion Ratio Lower Upper
228 100
226 30.1 24.2 36.4
229 21.2 16.3 24.5



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.001 ng
RT: 21.631 min Scan# 3105
Delta R.T. -0.005 min
Lab File: BG053295.D
Acq: 23 Apr 2022 16:21

Tgt Ion:149 Resp: 15157
Ion Ratio Lower Upper
149 100
167 29.9 21.4 32.2
279 5.5 3.8 5.8





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.056 min Scan# 3

Delta R.T. -0.005 min

Lab File: BG053295.D

Acq: 23 Apr 2022 16:21

Instrument :

BNA_G

ClientSampleId :

371

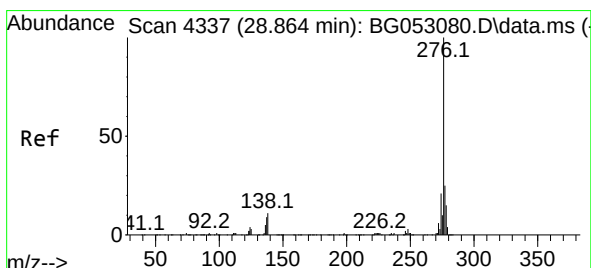
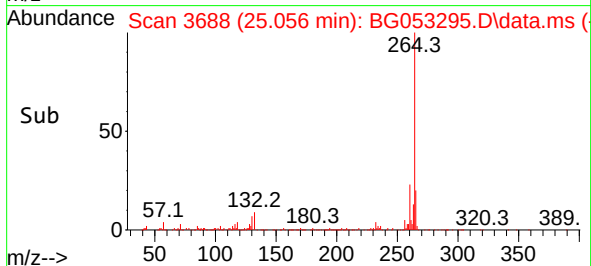
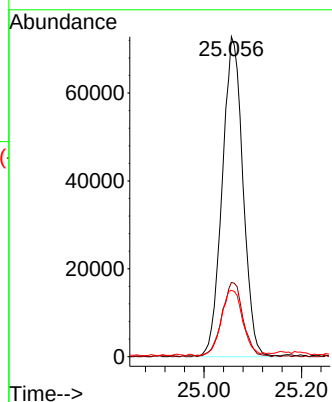
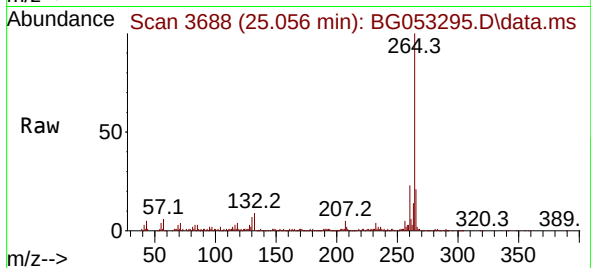
Tgt Ion:264 Resp: 215032

Ion Ratio Lower Upper

264 100

260 23.2 18.2 27.2

265 20.7 15.1 22.7



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.829 ng

RT: 28.833 min Scan# 4331

Delta R.T. -0.017 min

Lab File: BG053295.D

Acq: 23 Apr 2022 16:21

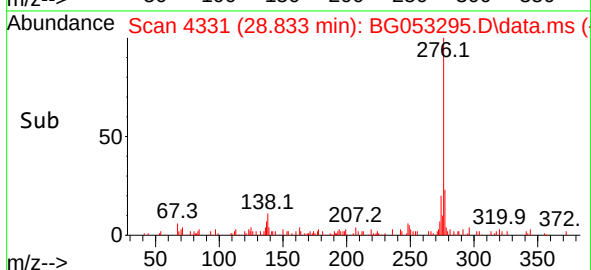
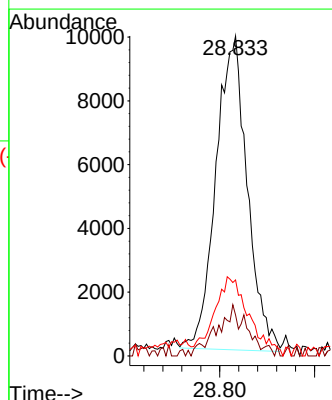
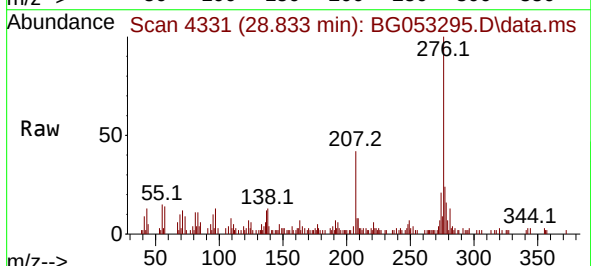
Tgt Ion:276 Resp: 45194

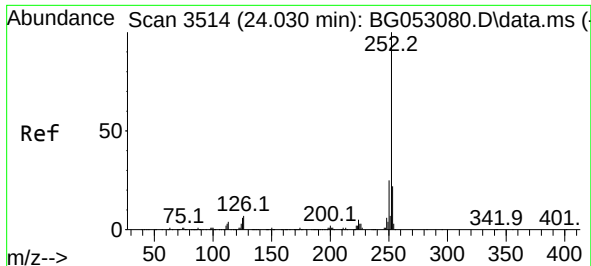
Ion Ratio Lower Upper

276 100

138 2.9 8.7 13.1#

277 28.3 20.2 30.4

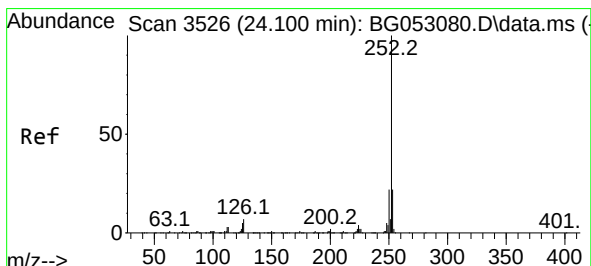
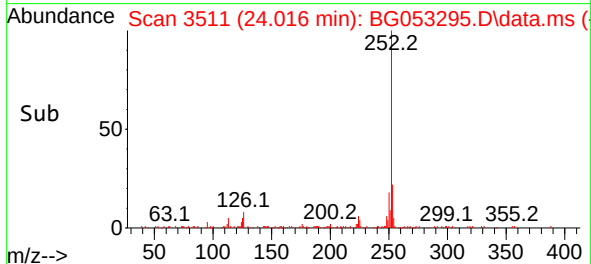
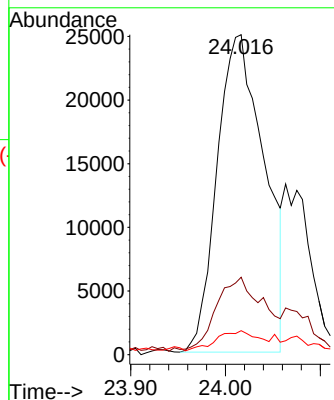
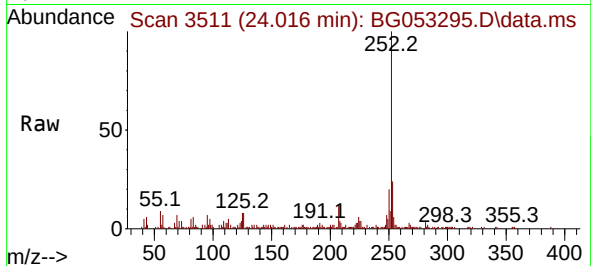




#88
Benzo(b)fluoranthene
Concen: 6.347 ng
RT: 24.016 min Scan# 3511
Delta R.T. -0.005 min
Lab File: BG053295.D
Acq: 23 Apr 2022 16:21

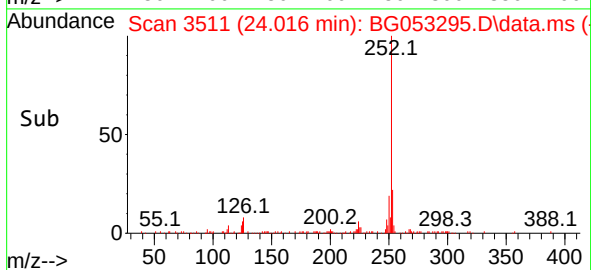
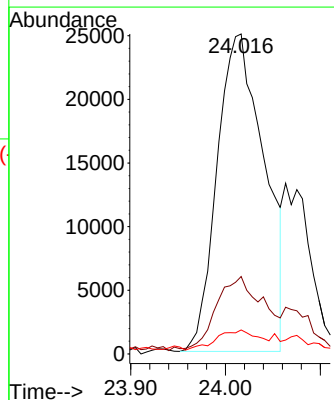
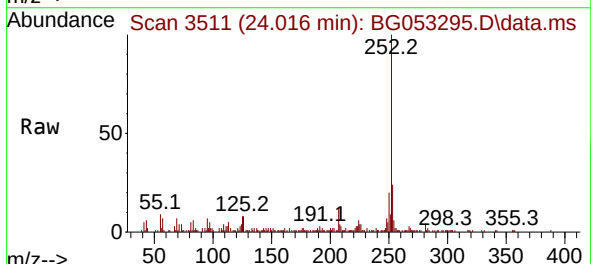
Instrument :
BNA_G
ClientSampleId :
371

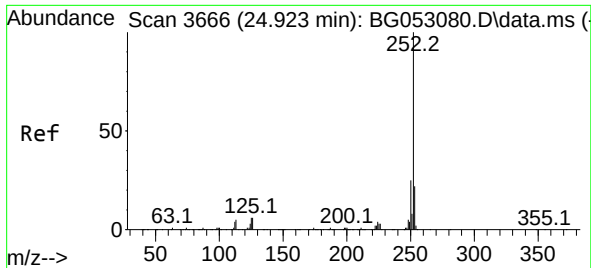
Tgt Ion:252 Resp: 86111
Ion Ratio Lower Upper
252 100
253 24.2 17.2 25.8
125 7.5 5.2 7.8



#89
Benzo(k)fluoranthene
Concen: 6.458 ng
RT: 24.016 min Scan# 3511
Delta R.T. -0.069 min
Lab File: BG053295.D
Acq: 23 Apr 2022 16:21

Tgt Ion:252 Resp: 86111
Ion Ratio Lower Upper
252 100
253 24.2 17.4 26.0
125 7.5 5.0 7.4#

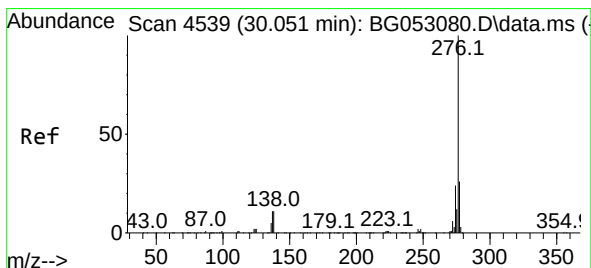
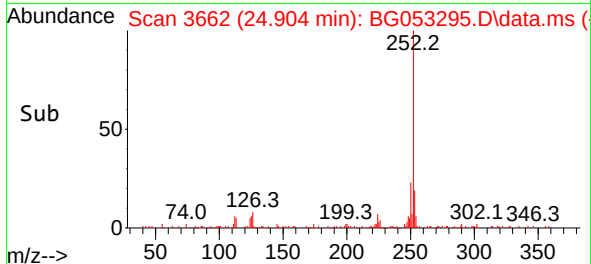
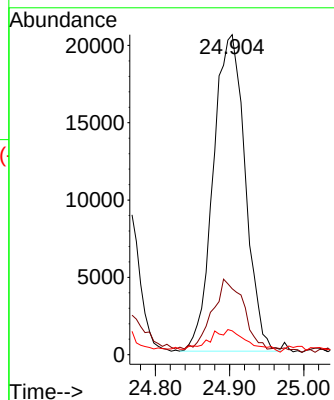
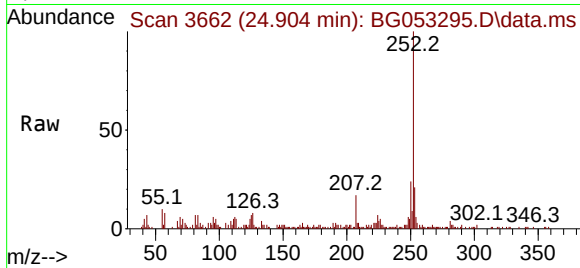




#90
Benzo(a)pyrene
Concen: 5.288 ng
RT: 24.904 min Scan# 3662
Delta R.T. -0.011 min
Lab File: BG053295.D
Acq: 23 Apr 2022 16:21

Instrument :
BNA_G
ClientSampleId :
371

Tgt Ion:252 Resp: 61122
Ion Ratio Lower Upper
252 100
253 20.6 18.4 27.6
125 7.5 5.6 8.4



#92
Benzo(g,h,i)perylene
Concen: 3.680 ng
RT: 29.997 min Scan# 4529
Delta R.T. -0.040 min
Lab File: BG053295.D
Acq: 23 Apr 2022 16:21

Tgt Ion:276 Resp: 47692
Ion Ratio Lower Upper
276 100
277 26.4 18.2 27.2
138 10.2 9.1 13.7

