

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG022122\
 Data File : BG052437.D
 Acq On : 21 Feb 2022 14:53
 Operator : CG/JU
 Sample : N1572-01 5X
 Misc :
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-021622

Quant Time: Feb 21 15:26:46 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Feb 08 01:21:20 2022
 Response via : Initial Calibration

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

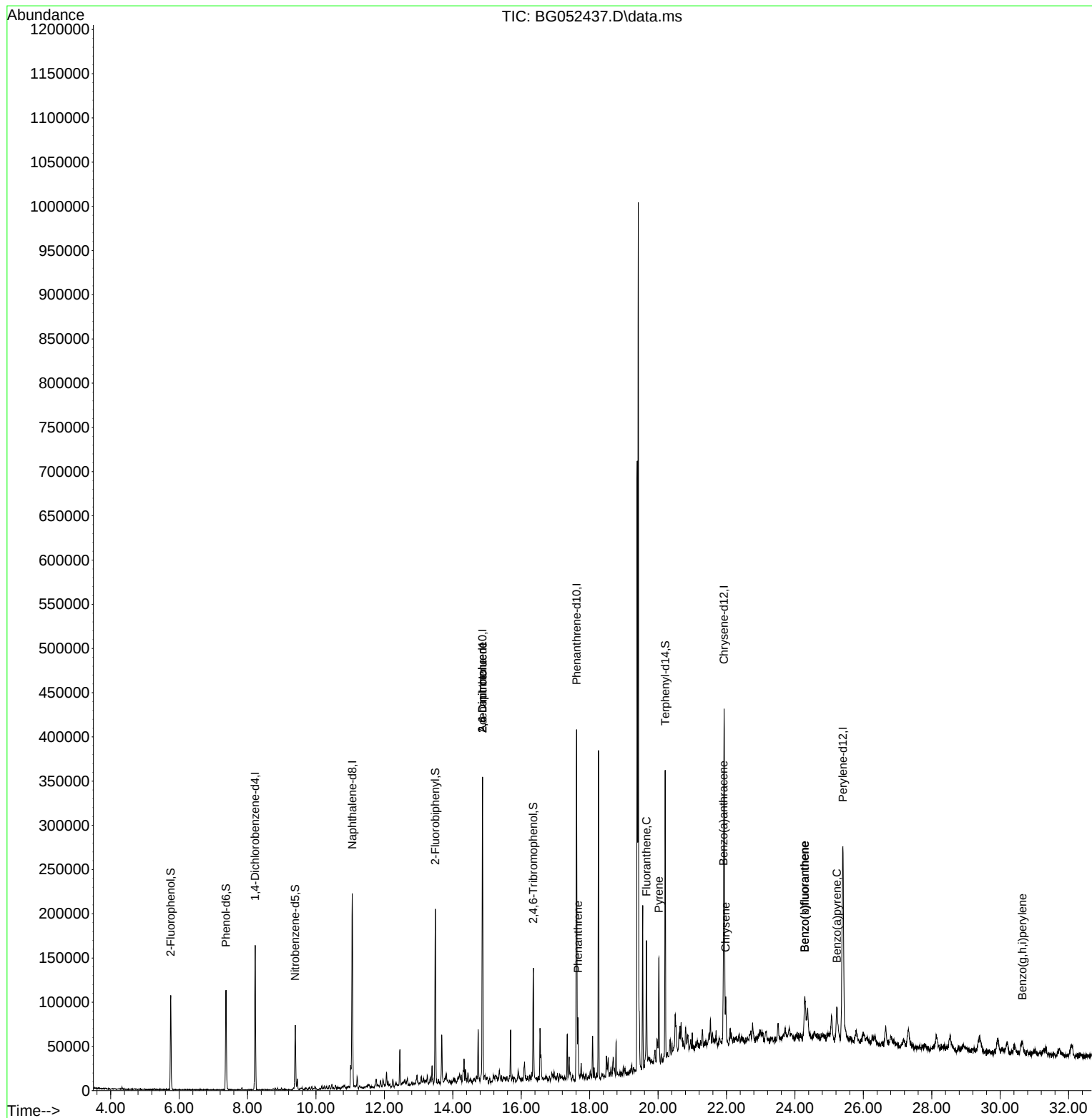
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.223	152	46314	20.000	ng	0.00
21) Naphthalene-d8	11.061	136	188083	20.000	ng	# 0.00
39) Acenaphthene-d10	14.867	164	117673	20.000	ng	0.00
64) Phenanthrene-d10	17.617	188	248731	20.000	ng	0.00
76) Chrysene-d12	21.928	240	241584	20.000	ng	-0.01
86) Perylene-d12	25.400	264	249559	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.750	112	47305	17.802	ng	0.00
7) Phenol-d6	7.366	99	68073	16.603	ng	0.00
23) Nitrobenzene-d5	9.392	82	47809	11.047	ng	0.00
42) 2,4,6-Tribromophenol	16.354	330	27192	16.085	ng	0.00
45) 2-Fluorobiphenyl	13.487	172	105022	12.401	ng	0.00
79) Terphenyl-d14	20.207	244	154090	11.263	ng	0.00
Target Compounds						
						Qvalue
51) 2,6-Dinitrotoluene	14.867	165	16625	8.546	ng	# 19
57) 2,4-Dinitrotoluene	14.867	165	16625	6.005	ng	# 18
71) Phenanthrene	17.658	178	41803	3.260	ng	96
75) Fluoranthene	19.661	202	82946	5.080	ng	98
78) Pyrene	20.025	202	80777	4.997	ng	98
81) Benzo(a)anthracene	21.911	228	47260	2.956	ng	98
83) Chrysene	21.975	228	39428	2.603	ng	96
88) Benzo(b)fluoranthene	24.290	252	57823	3.718	ng	98
89) Benzo(k)fluoranthene	24.290	252	57823	3.764	ng	95
90) Benzo(a)pyrene	25.224	252	48283	3.675	ng	# 98
92) Benzo(g,h,i)perylene	30.646	276	30521	2.061	ng	97

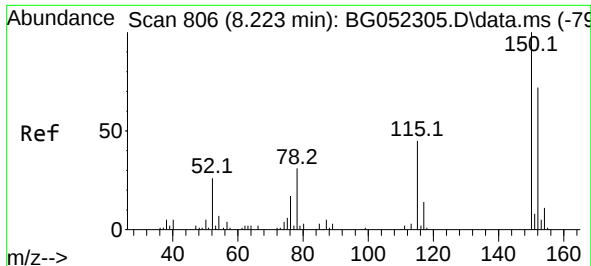
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG020722.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Tue Feb 08 01:21:20 2022
Response via : Initial Calibration

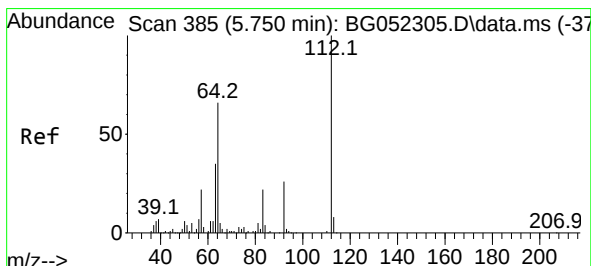
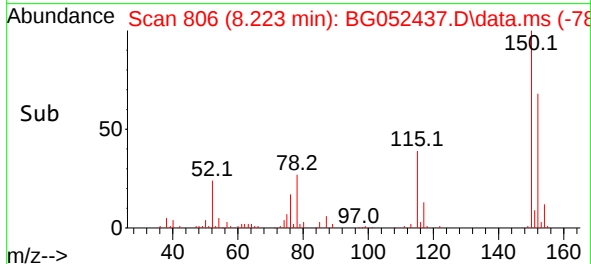
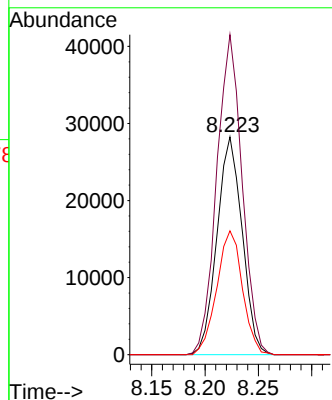
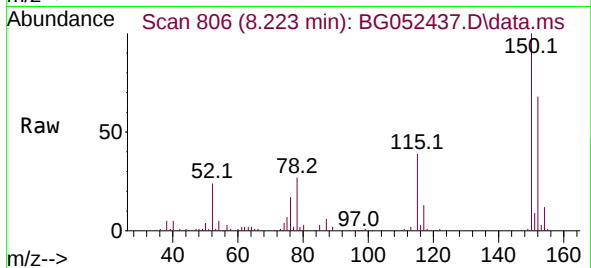




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.223 min Scan# 806
Delta R.T. 0.000 min
Lab File: BG052437.D
Acq: 21 Feb 2022 14:53

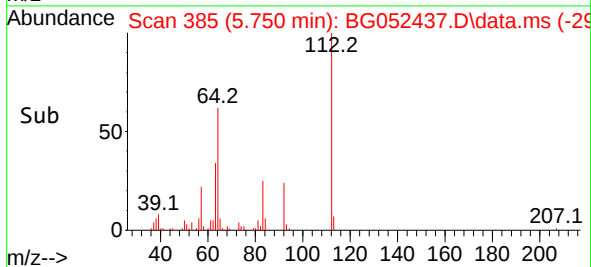
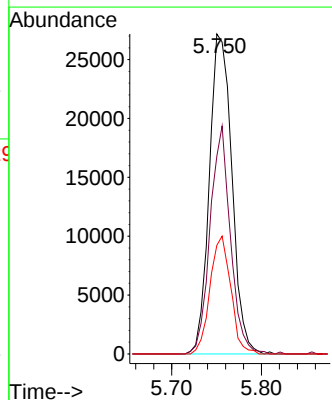
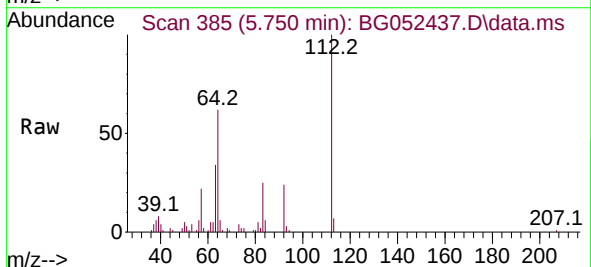
Instrument :
BNA_G
ClientSampleId :
PL-02-021622

Tgt Ion:152 Resp: 46314
Ion Ratio Lower Upper
152 100
150 147.0 117.8 176.8
115 56.9 50.2 75.2



#5
2-Fluorophenol
Concen: 17.802 ng
RT: 5.750 min Scan# 385
Delta R.T. 0.000 min
Lab File: BG052437.D
Acq: 21 Feb 2022 14:53

Tgt Ion:112 Resp: 47305
Ion Ratio Lower Upper
112 100
64 61.8 60.4 90.6
63 33.9 33.3 49.9

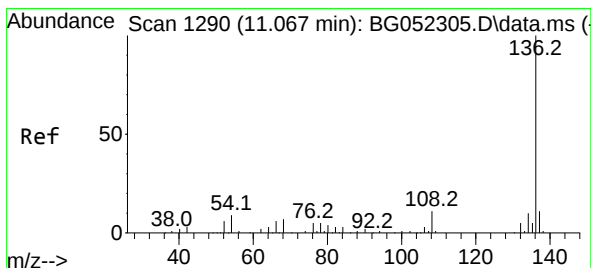
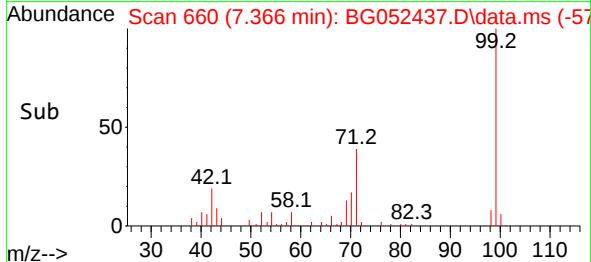
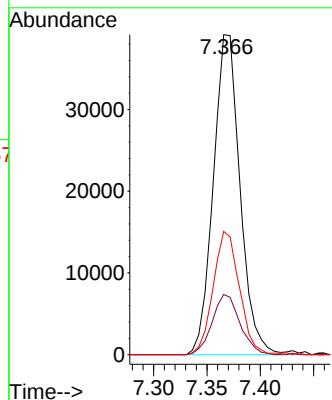
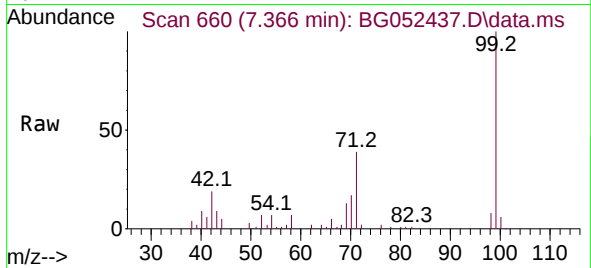




#7
Phenol-d6
Concen: 16.603 ng
RT: 7.366 min Scan# 60
Delta R.T. -0.006 min
Lab File: BG052437.D
Acq: 21 Feb 2022 14:53

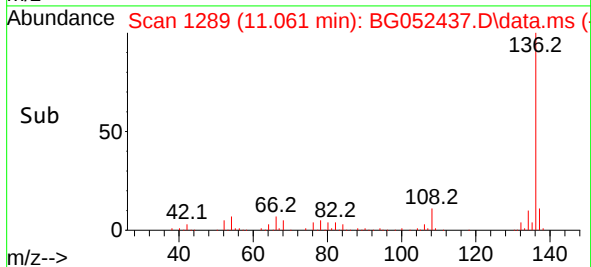
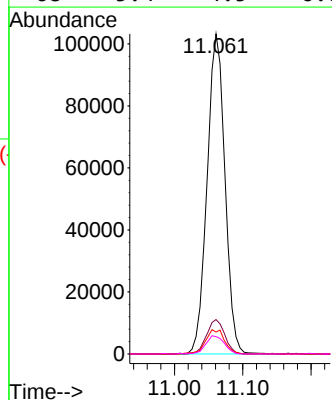
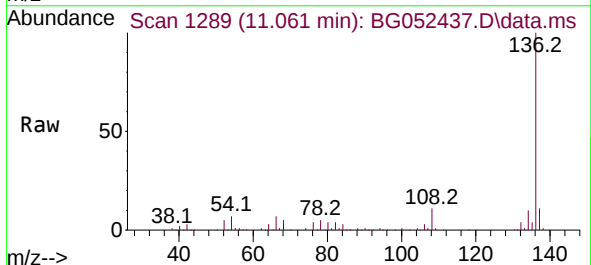
Instrument :
BNA_G
ClientSampleId :
PL-02-021622

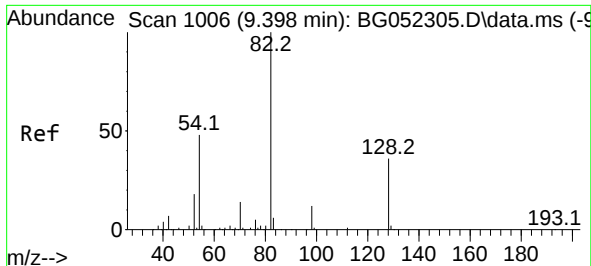
Tgt Ion: 99 Resp: 68073
Ion Ratio Lower Upper
99 100
42 18.8 19.1 28.7#
71 38.5 33.4 50.2



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.061 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BG052437.D
Acq: 21 Feb 2022 14:53

Tgt Ion: 136 Resp: 188083
Ion Ratio Lower Upper
136 100
137 10.7 9.1 13.7
54 6.8 8.3 12.5#
68 5.4 4.5 6.7

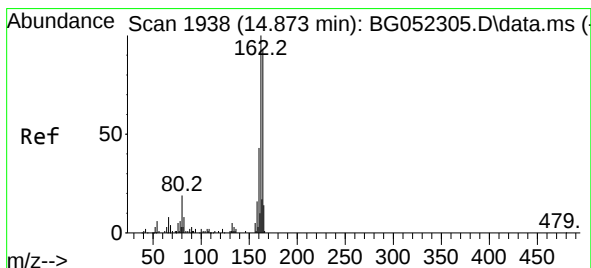
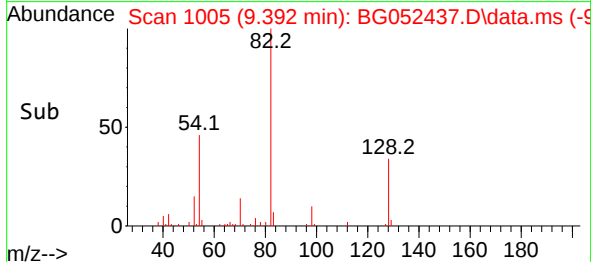
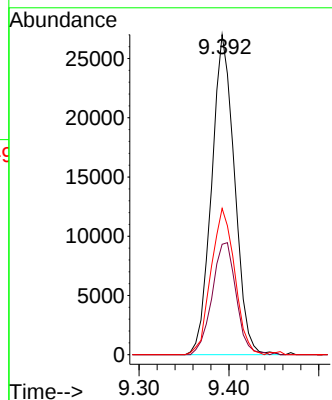
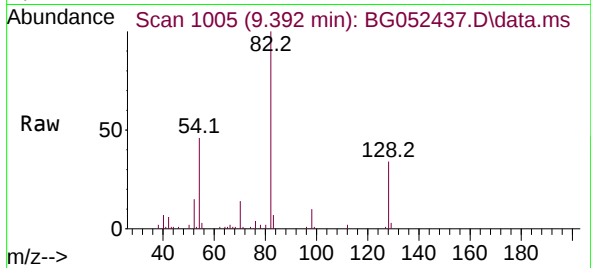




#23
Nitrobenzene-d5
Concen: 11.047 ng
RT: 9.392 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BG052437.D
Acq: 21 Feb 2022 14:53

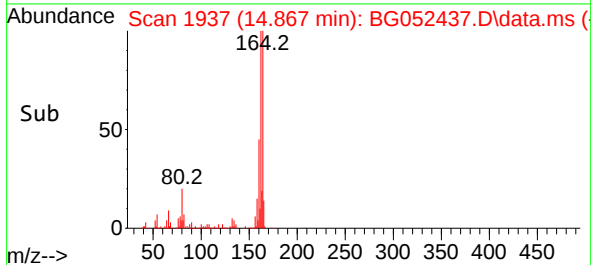
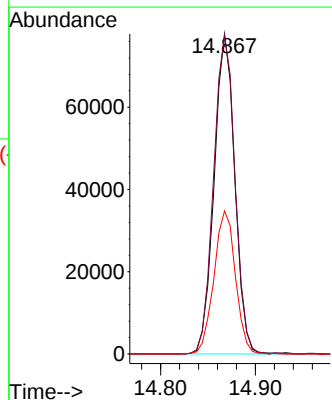
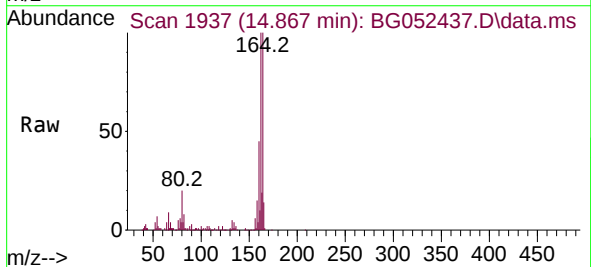
Instrument :
BNA_G
ClientSampleId :
PL-02-021622

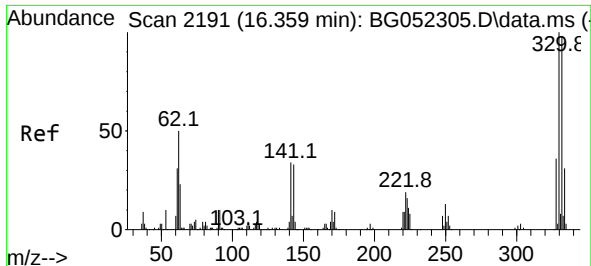
Tgt Ion: 82 Resp: 47809
Ion Ratio Lower Upper
82 100
128 34.5 27.0 40.4
54 45.7 41.0 61.6



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.867 min Scan# 1937
Delta R.T. -0.006 min
Lab File: BG052437.D
Acq: 21 Feb 2022 14:53

Tgt Ion:164 Resp: 117673
Ion Ratio Lower Upper
164 100
162 99.6 82.2 123.2
160 44.7 36.2 54.2





#42

2,4,6-Tribromophenol

Concen: 16.085 ng

RT: 16.354 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG052437.D

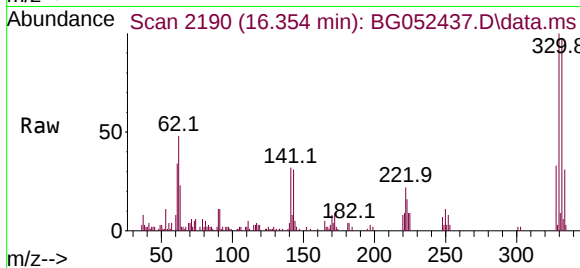
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Instrument :

BNA_G

ClientSampleId :

PL-02-021622



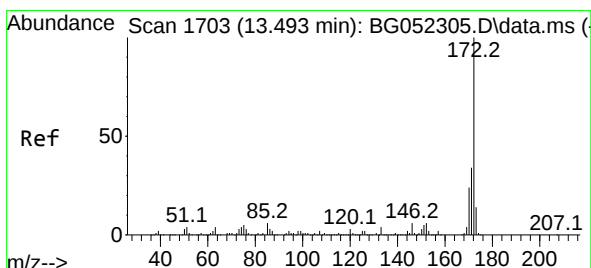
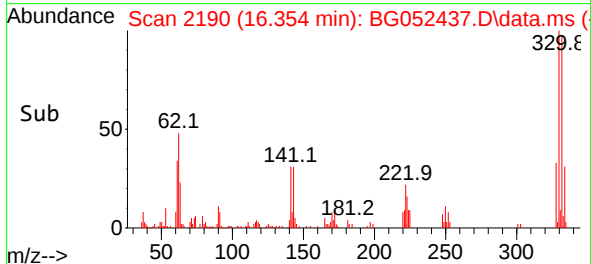
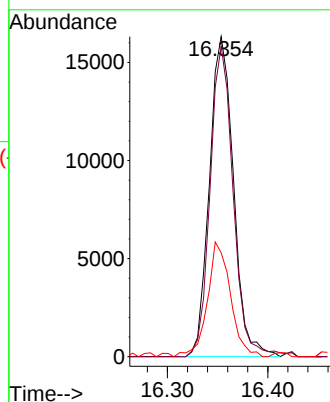
Tgt Ion:330 Resp: 27192

Ion Ratio Lower Upper

330 100

332 93.3 78.6 117.8

141 34.3 28.8 43.2



#45

2-Fluorobiphenyl

Concen: 12.401 ng

RT: 13.487 min Scan# 1702

Delta R.T. -0.006 min

Lab File: BG052437.D

Acq: 21 Feb 2022 14:53

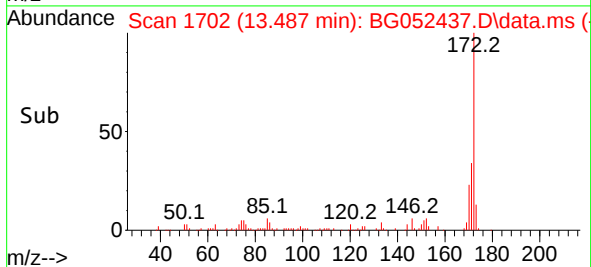
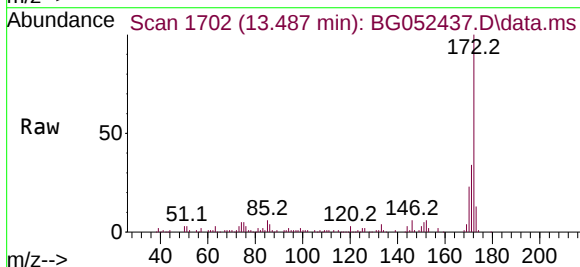
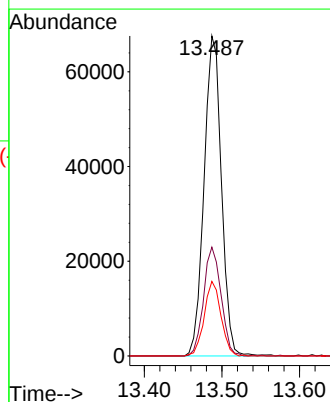
Tgt Ion:172 Resp: 105022

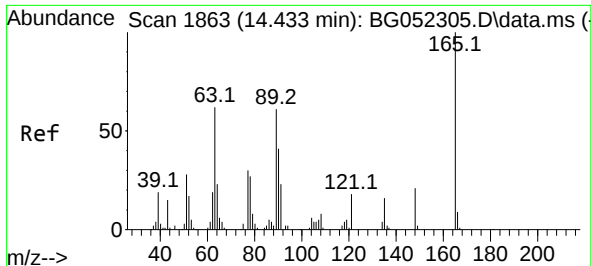
Ion Ratio Lower Upper

172 100

171 34.0 28.3 42.5

170 23.3 18.3 27.5

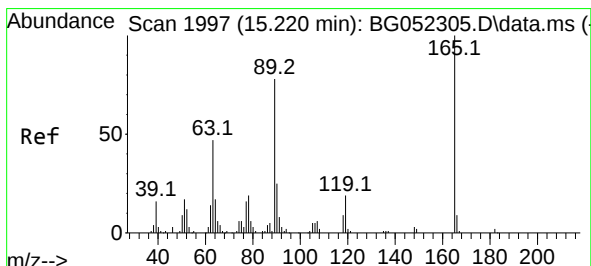
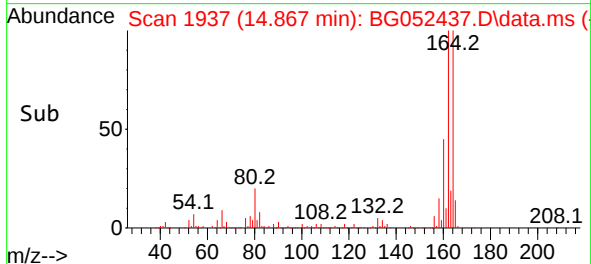
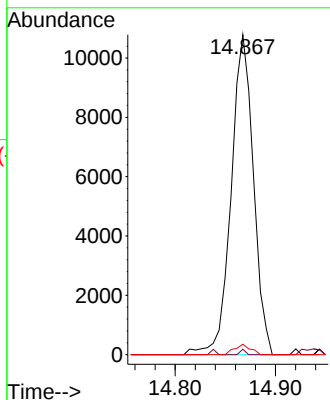
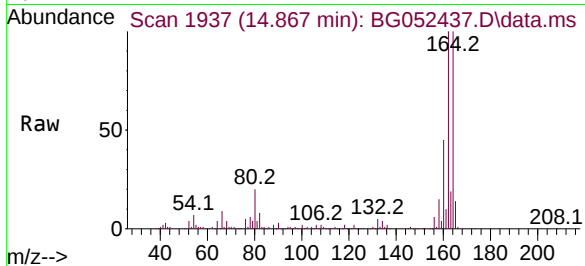




#51
2,6-Dinitrotoluene
Concen: 8.546 ng
RT: 14.867 min Scan# 1937
Delta R.T. 0.435 min
Lab File: BG052437.D
Acq: 21 Feb 2022 14:53

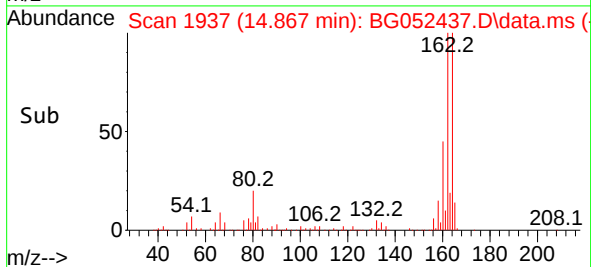
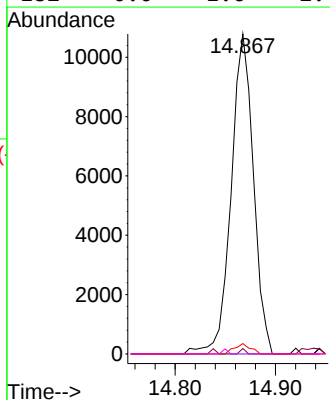
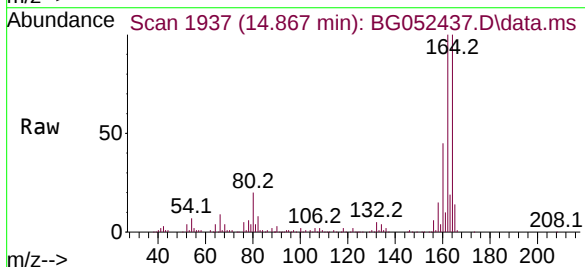
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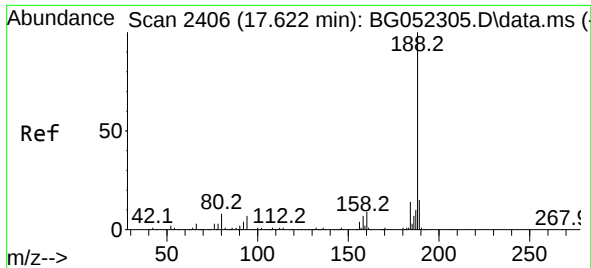
Tgt Ion:165 Resp: 16625
Ion Ratio Lower Upper
165 100
63 1.7 59.0 88.4#
89 3.2 49.4 74.0#



#57
2,4-Dinitrotoluene
Concen: 6.005 ng
RT: 14.867 min Scan# 1937
Delta R.T. -0.352 min
Lab File: BG052437.D
Acq: 21 Feb 2022 14:53

Tgt Ion:165 Resp: 16625
Ion Ratio Lower Upper
165 100
63 1.7 44.6 66.8#
89 3.2 67.4 101.0#
182 0.0 1.6 2.4#

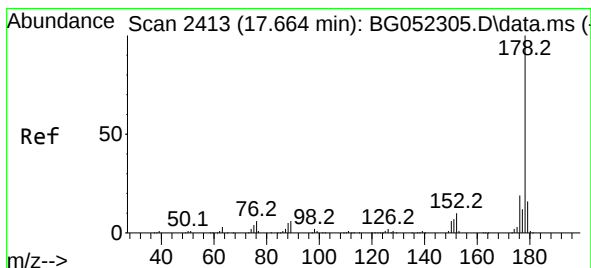
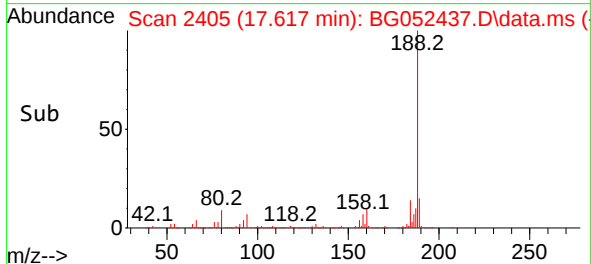
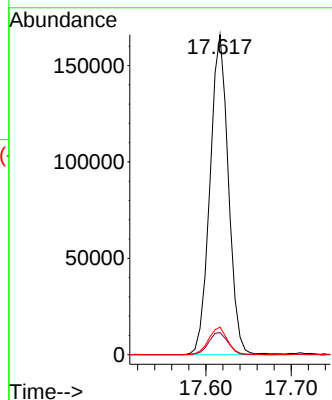
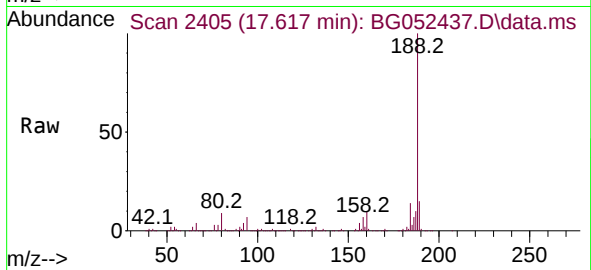




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.617 min Scan# 2406
Delta R.T. -0.006 min
Lab File: BG052437.D
Acq: 21 Feb 2022 14:53

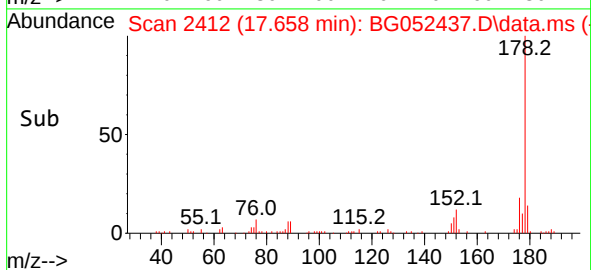
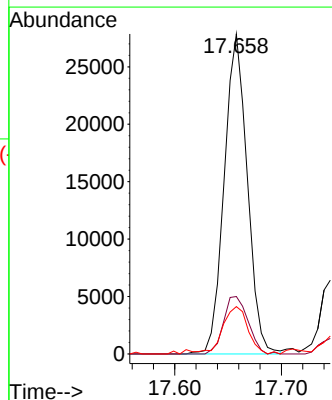
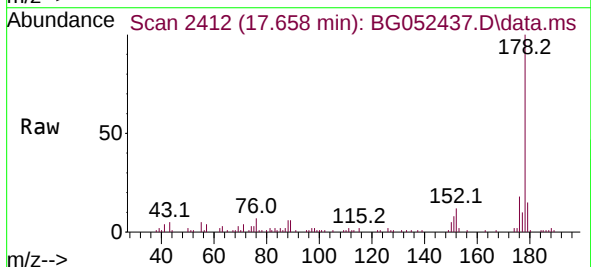
Instrument :
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PL-02-021622

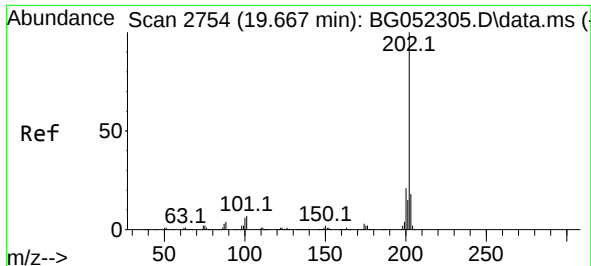
Tgt Ion:188 Resp: 248731
Ion Ratio Lower Upper
188 100
94 6.9 5.9 8.9
80 8.6 6.6 10.0



#71
Phenanthrene
Concen: 3.260 ng
RT: 17.658 min Scan# 2412
Delta R.T. -0.006 min
Lab File: BG052437.D
Acq: 21 Feb 2022 14:53

Tgt Ion:178 Resp: 41803
Ion Ratio Lower Upper
178 100
176 17.9 16.6 25.0
179 14.8 12.6 18.8

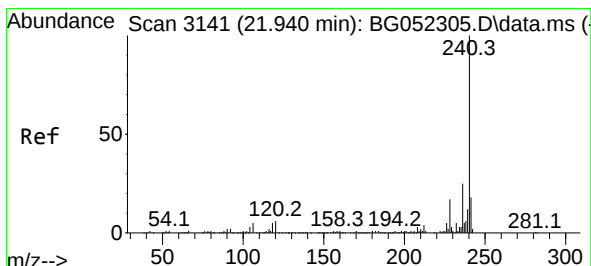
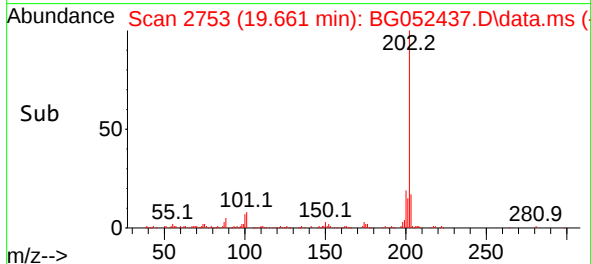
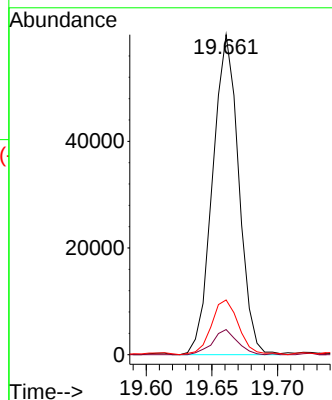
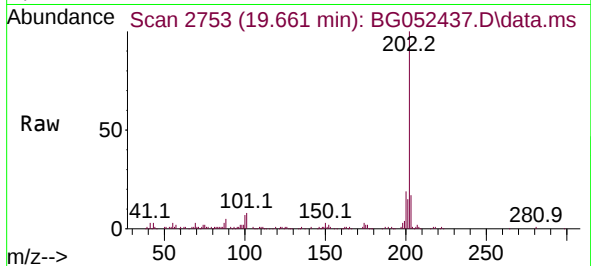




#75
Fluoranthene
Concen: 5.080 ng
RT: 19.661 min Scan# 21
Delta R.T. -0.006 min
Lab File: BG052437.D
Acq: 21 Feb 2022 14:53

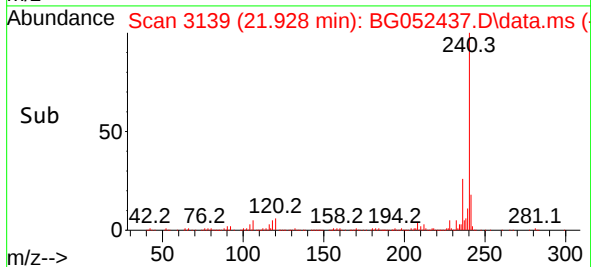
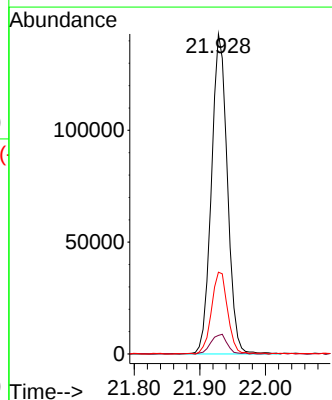
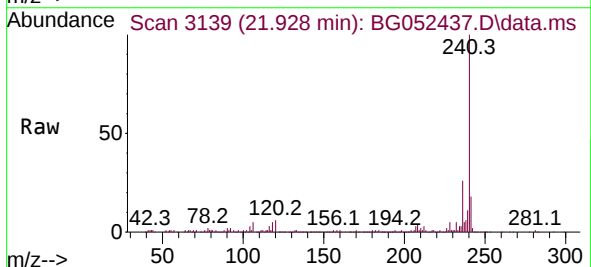
Instrument :
BNA_G
ClientSampleId :
PL-02-021622

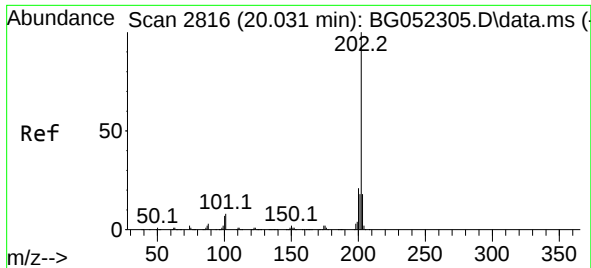
Tgt Ion:202 Resp: 82946
Ion Ratio Lower Upper
202 100
101 7.9 0.0 27.1
203 17.1 0.0 37.8



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.928 min Scan# 3139
Delta R.T. -0.012 min
Lab File: BG052437.D
Acq: 21 Feb 2022 14:53

Tgt Ion:240 Resp: 241584
Ion Ratio Lower Upper
240 100
120 5.8 4.4 6.6
236 25.5 20.8 31.2

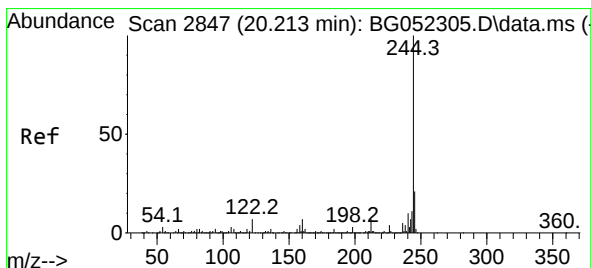
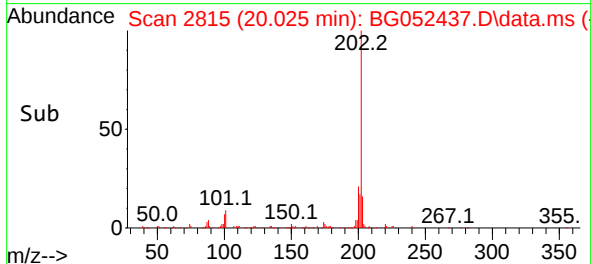
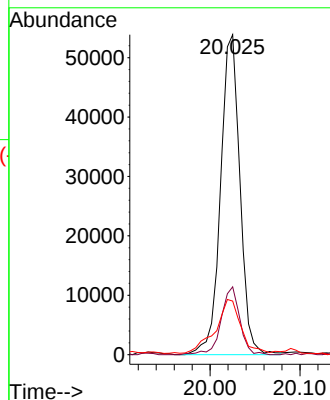
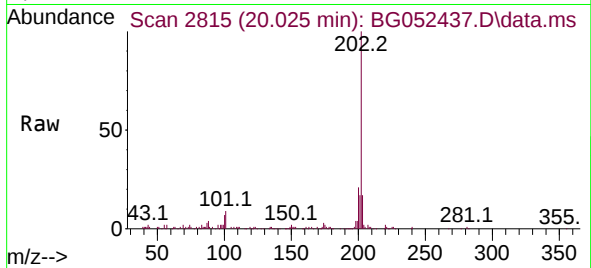




#78
 Pyrene
 Concen: 4.997 ng
 RT: 20.025 min Scan# 2815
 Delta R.T. -0.006 min
 Lab File: BG052437.D
 Acq: 21 Feb 2022 14:53

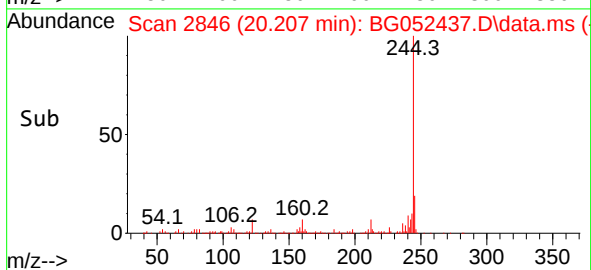
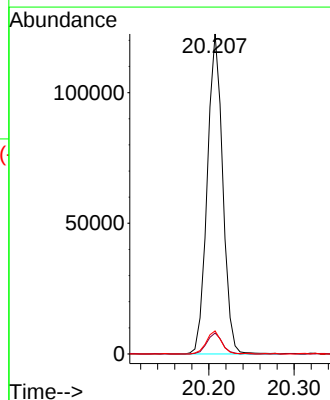
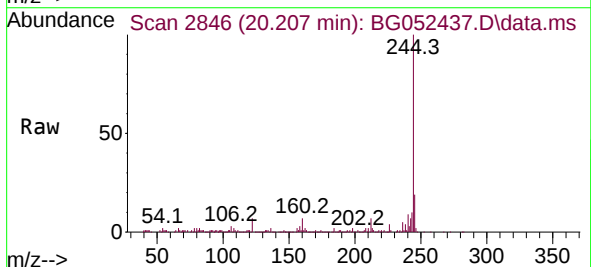
Instrument :
 BNA_G
 ClientSampleId :
 PL-02-021622

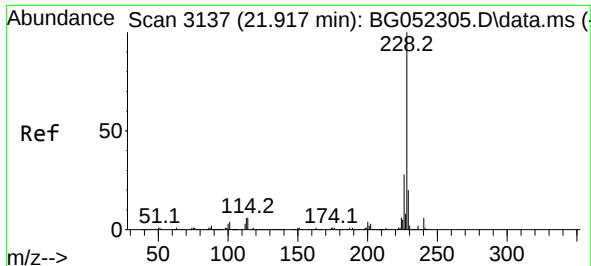
Tgt Ion:	202	Resp:	80777
Ion Ratio	Lower	Upper	
202	100		
200	21.2	17.4	26.2
203	16.7	14.5	21.7



#79
 Terphenyl-d14
 Concen: 11.263 ng
 RT: 20.207 min Scan# 2846
 Delta R.T. -0.006 min
 Lab File: BG052437.D
 Acq: 21 Feb 2022 14:53

Tgt Ion:	244	Resp:	154090
Ion Ratio	Lower	Upper	
244	100		
212	6.6	6.0	9.0
122	7.2	6.2	9.4

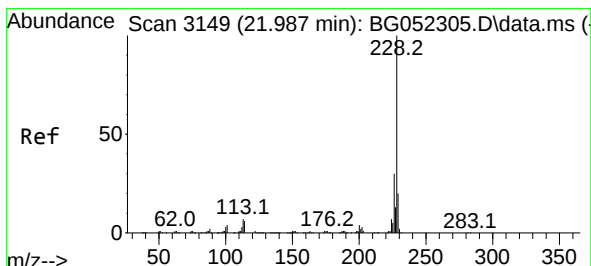
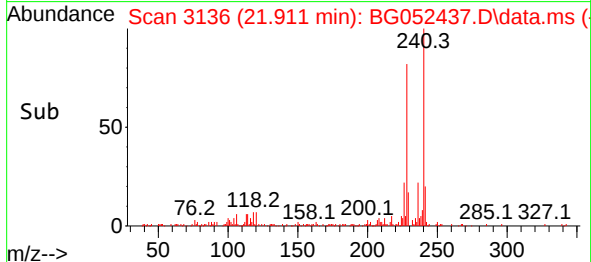
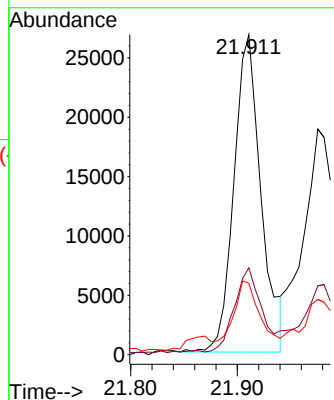
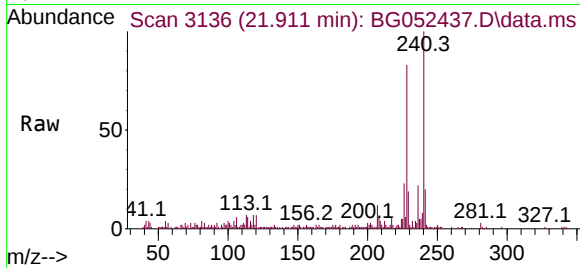




#81
Benzo(a)anthracene
Concen: 2.956 ng
RT: 21.911 min Scan# 3136
Delta R.T. -0.006 min
Lab File: BG052437.D
Acq: 21 Feb 2022 14:53

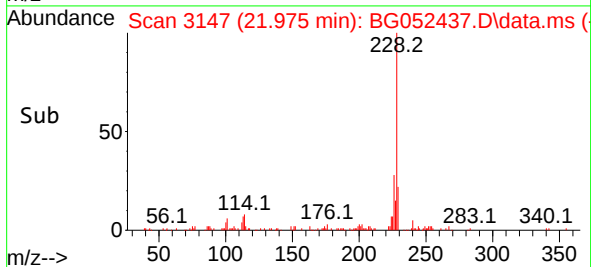
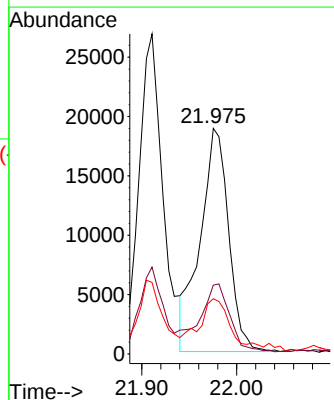
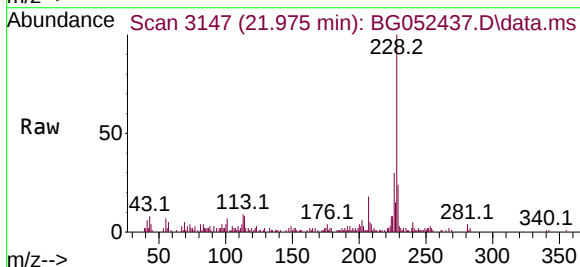
Instrument :
BNA_G
ClientSampleId :
PL-02-021622

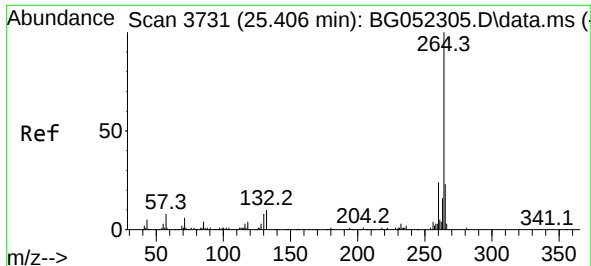
Tgt Ion:228 Resp: 47260
Ion Ratio Lower Upper
228 100
226 27.2 21.6 32.4
229 22.3 16.0 24.0



#83
Chrysene
Concen: 2.603 ng
RT: 21.975 min Scan# 3147
Delta R.T. -0.012 min
Lab File: BG052437.D
Acq: 21 Feb 2022 14:53

Tgt Ion:228 Resp: 39428
Ion Ratio Lower Upper
228 100
226 30.5 24.1 36.1
229 24.4 16.4 24.6

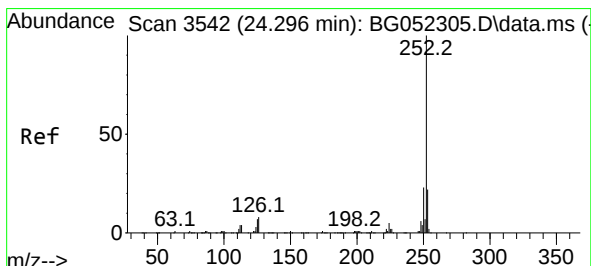
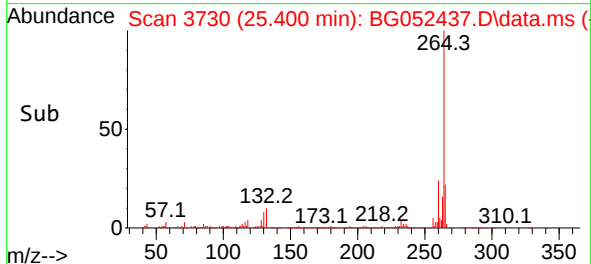
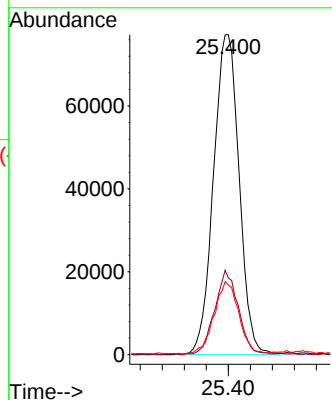
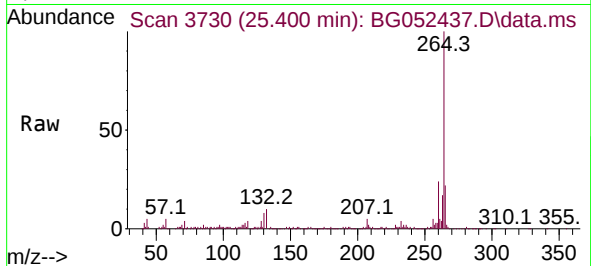




#86
Perylene-d12
Concen: 20.000 ng
RT: 25.400 min Scan# 31
Delta R.T. -0.006 min
Lab File: BG052437.D
Acq: 21 Feb 2022 14:53

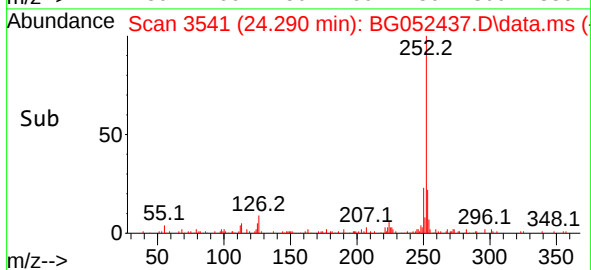
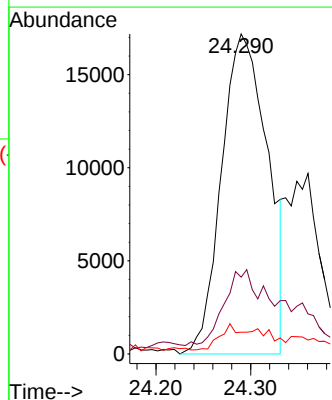
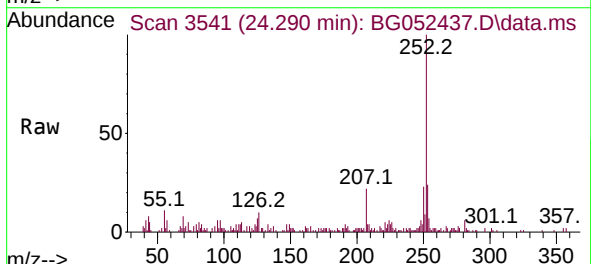
Instrument :
BNA_G
ClientSampleId :
PL-02-021622

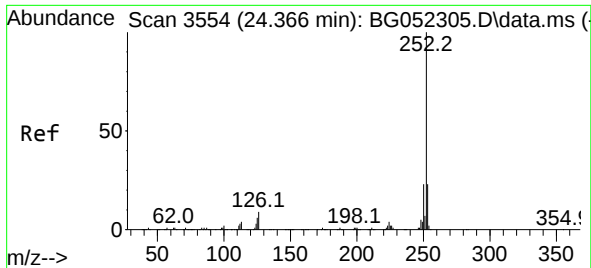
Tgt Ion:264 Resp: 249559
Ion Ratio Lower Upper
264 100
260 24.0 18.5 27.7
265 21.8 17.8 26.6



#88
Benzo(b)fluoranthene
Concen: 3.718 ng
RT: 24.290 min Scan# 3541
Delta R.T. -0.006 min
Lab File: BG052437.D
Acq: 21 Feb 2022 14:53

Tgt Ion:252 Resp: 57823
Ion Ratio Lower Upper
252 100
253 24.0 18.3 27.5
125 6.8 5.4 8.2

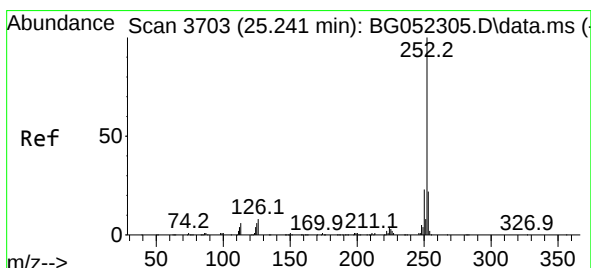
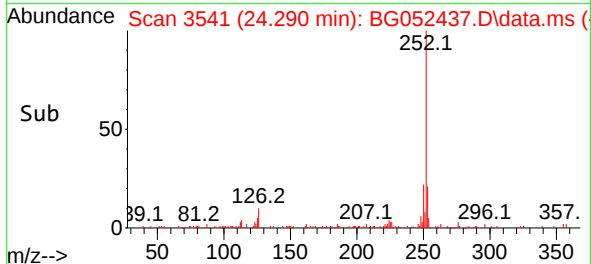
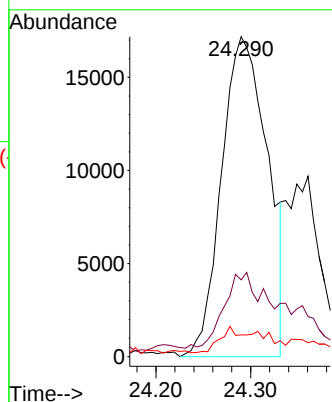
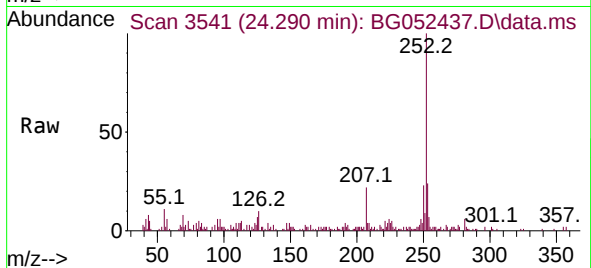




#89
Benzo(k)fluoranthene
Concen: 3.764 ng
RT: 24.290 min Scan# 31
Delta R.T. -0.076 min
Lab File: BG052437.D
Acq: 21 Feb 2022 14:53

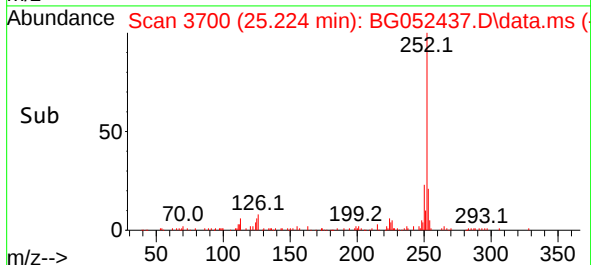
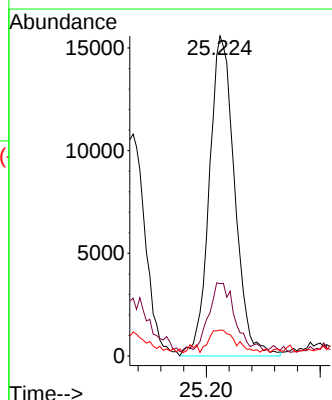
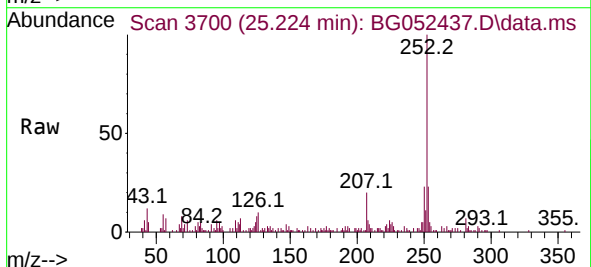
Instrument :
BNA_G
ClientSampleId :
PL-02-021622

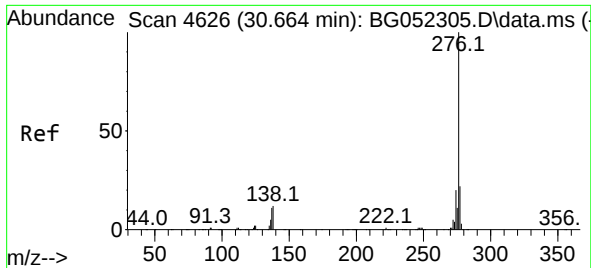
Tgt Ion:252 Resp: 57823
Ion Ratio Lower Upper
252 100
253 24.0 17.3 25.9
125 6.8 4.6 7.0



#90
Benzo(a)pyrene
Concen: 3.675 ng
RT: 25.224 min Scan# 3700
Delta R.T. -0.018 min
Lab File: BG052437.D
Acq: 21 Feb 2022 14:53

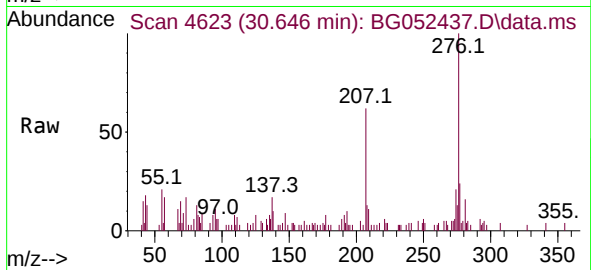
Tgt Ion:252 Resp: 48283
Ion Ratio Lower Upper
252 100
253 22.6 17.5 26.3
125 8.1 5.0 7.6#





#92
 Benzo(g,h,i)perylene
 Concen: 2.061 ng
 RT: 30.646 min Scan# 4
 Delta R.T. -0.018 min
 Lab File: BG052437.D
 Acq: 21 Feb 2022 14:53

Instrument :
 BNA_G
 ClientSampleId :
 PL-02-021622



Tgt Ion:	276	Resp:	30521
Ion Ratio	Lower	Upper	
276	100		
277	23.6	18.2	27.2
138	9.9	9.1	13.7

