

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051722\
 Data File : BG053587.D
 Acq On : 17 May 2022 17:06
 Operator : CG/JU
 Sample : N2865-24
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 RB-220510

Quant Time: May 18 03:14:13 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 11 06:00:46 2022
 Response via : Initial Calibration

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

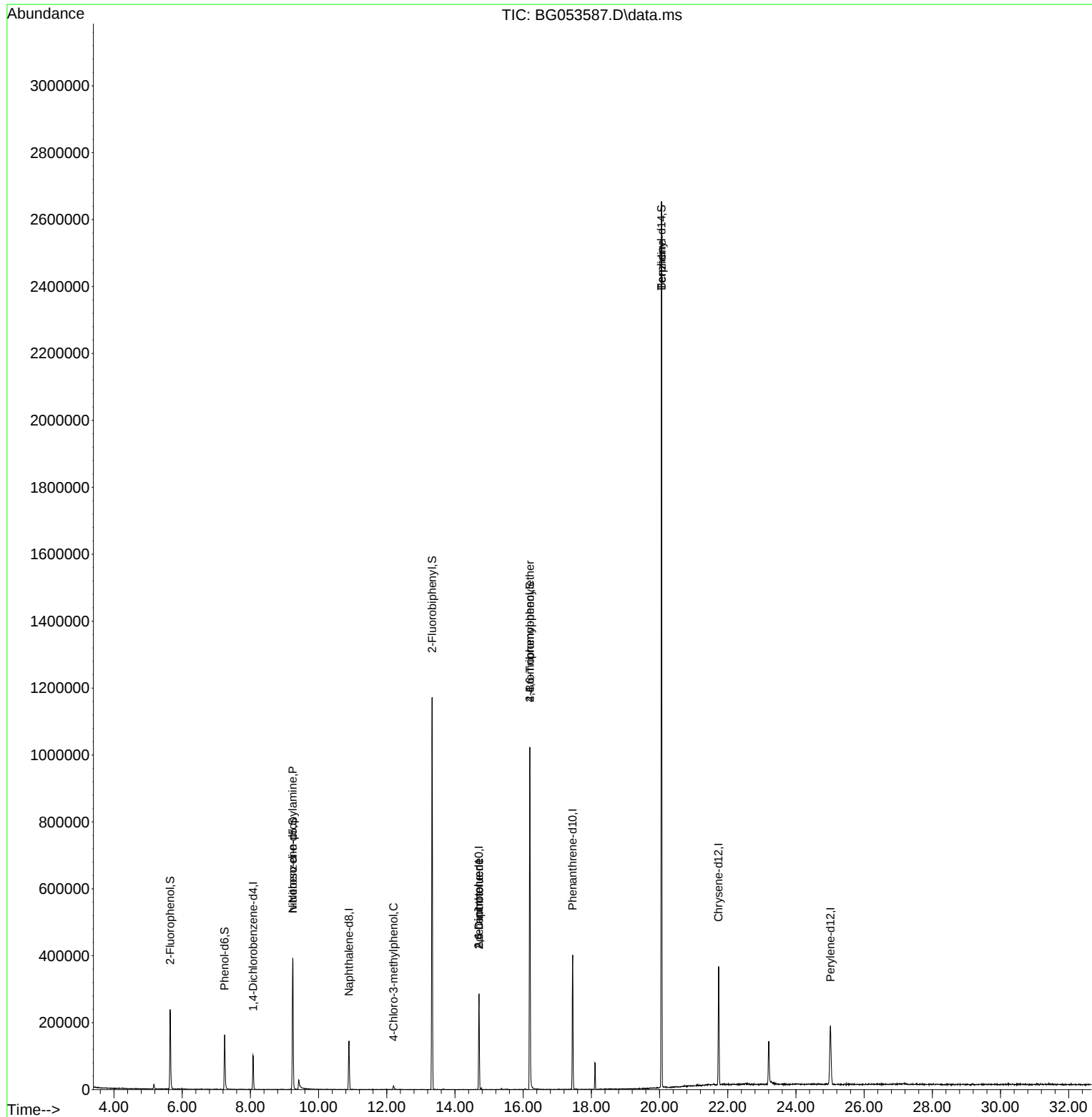
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.079	152	28438	20.000	ng	-0.01
21) Naphthalene-d8	10.893	136	118707	20.000	ng	0.00
39) Acenaphthene-d10	14.705	164	103119	20.000	ng	-0.01
64) Phenanthrene-d10	17.454	188	263197	20.000	ng	0.00
76) Chrysene-d12	21.731	240	227748	20.000	ng	-0.01
86) Perylene-d12	25.015	264	199724	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.647	112	105426	62.917	ng	0.00
7) Phenol-d6	7.245	99	101660	39.976	ng	0.00
23) Nitrobenzene-d5	9.242	82	255608	91.661	ng	-0.01
42) 2,4,6-Tribromophenol	16.197	330	214819	141.246	ng	0.00
45) 2-Fluorobiphenyl	13.330	172	605777	85.844	ng	0.00
79) Terphenyl-d14	20.057	244	1344999	109.991	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.242	70	36525	20.018	ng	Qvalue # 79
36) 4-Chloro-3-methylphenol	12.197	107	6732	2.834	ng	# 89
51) 2,6-Dinitrotoluene	14.705	165	13494	8.452	ng	# 17
57) 2,4-Dinitrotoluene	14.705	165	13494	5.831	ng	# 23
67) 4-Bromophenyl-phenylether	16.197	248	14112	4.591	ng	# 1
77) Benzidine	20.063	184	23548	4.797	ng	# 93

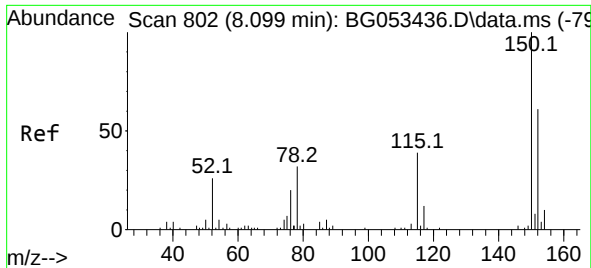
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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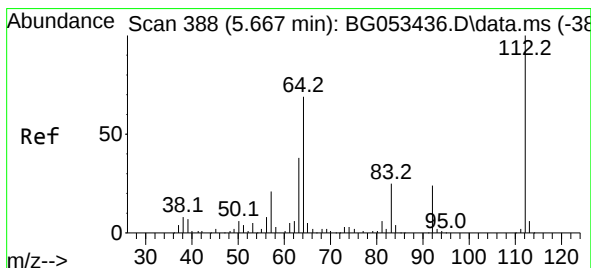
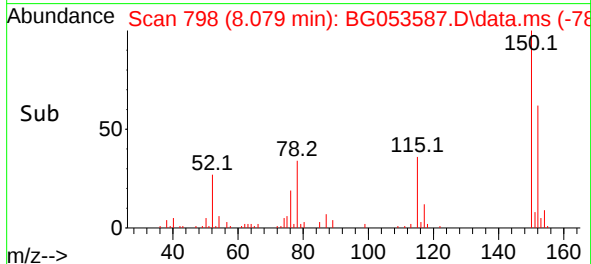
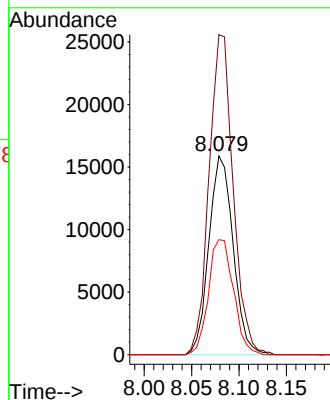
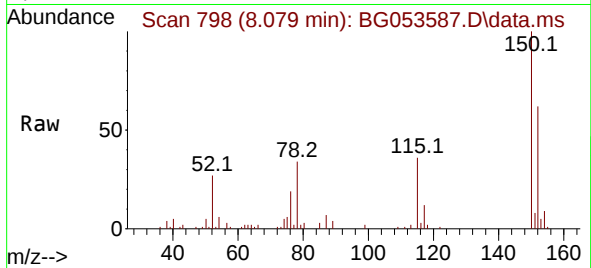




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.079 min Scan# 79
Delta R.T. -0.010 min
Lab File: BG053587.D
Acq: 17 May 2022 17:06

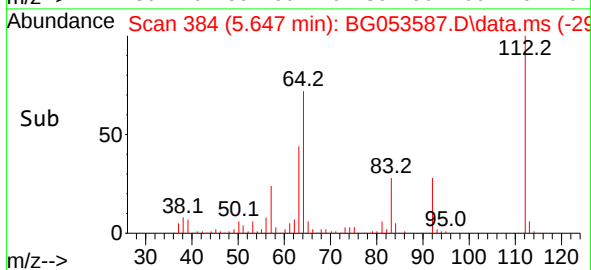
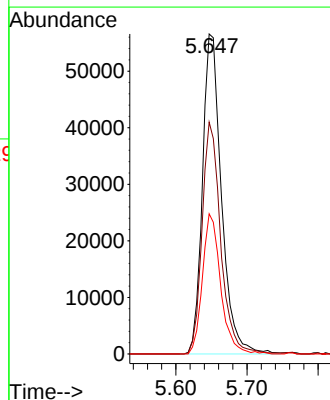
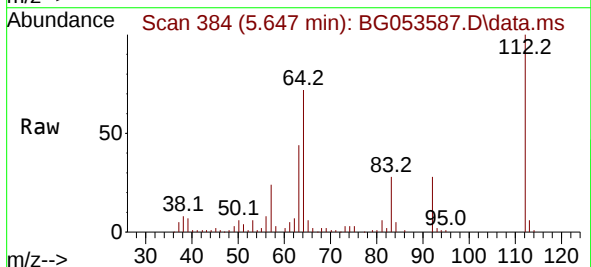
Instrument :
BNA_G
ClientSampleId :
RB-220510

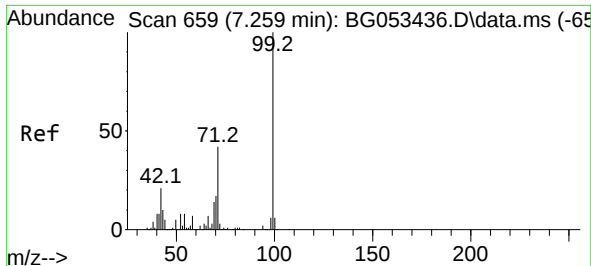
Tgt Ion:152 Resp: 28438
Ion Ratio Lower Upper
152 100
150 161.2 131.6 197.4
115 57.9 50.9 76.3



#5
2-Fluorophenol
Concen: 62.917 ng
RT: 5.647 min Scan# 384
Delta R.T. -0.005 min
Lab File: BG053587.D
Acq: 17 May 2022 17:06

Tgt Ion:112 Resp: 105426
Ion Ratio Lower Upper
112 100
64 72.5 55.1 82.7
63 43.8 30.4 45.6

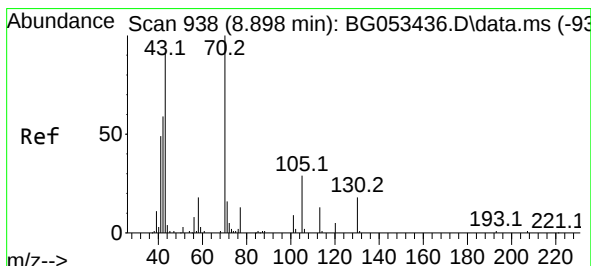
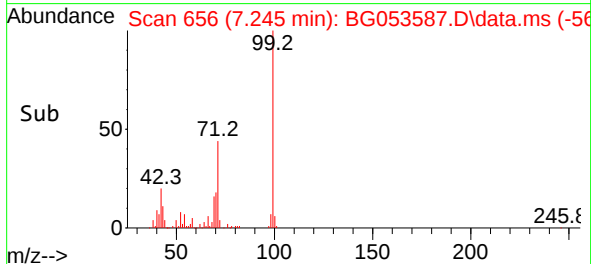
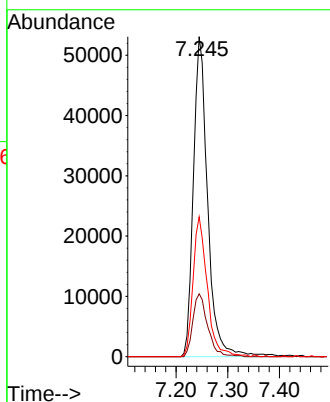
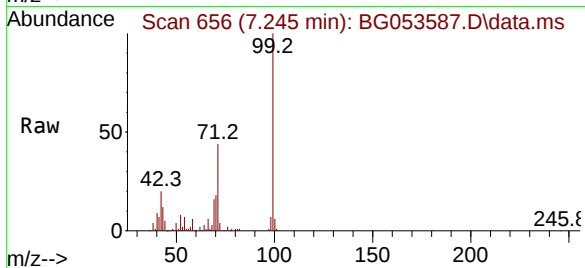




#7
Phenol-d6
Concen: 39.976 ng
RT: 7.245 min Scan# 61
Delta R.T. -0.005 min
Lab File: BG053587.D
Acq: 17 May 2022 17:06

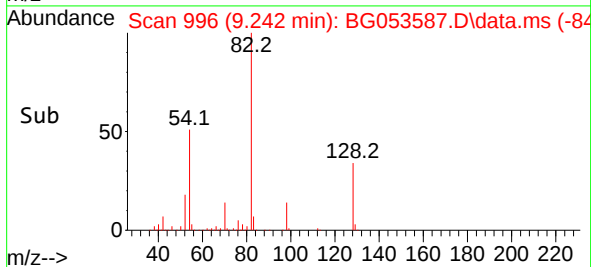
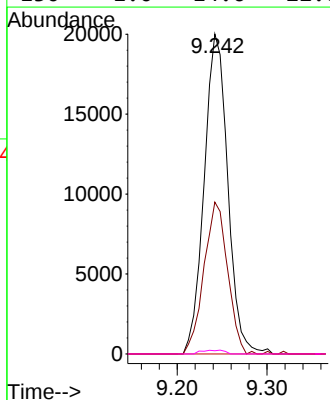
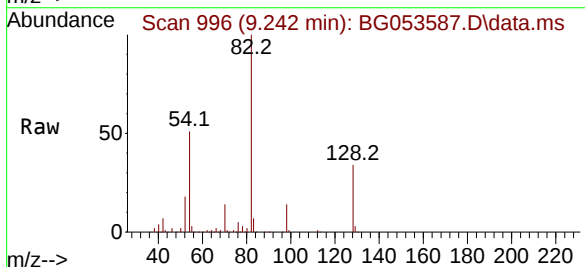
Instrument :
BNA_G
ClientSampleId :
RB-220510

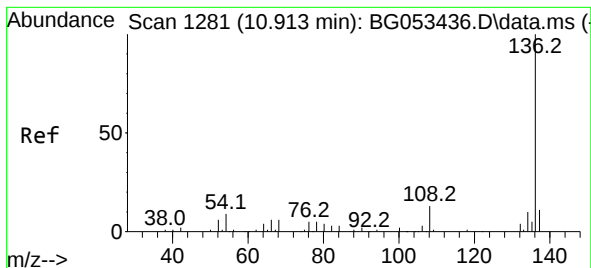
Tgt Ion: 99 Resp: 101660
Ion Ratio Lower Upper
99 100
42 19.6 17.0 25.6
71 43.7 33.8 50.8



#19
n-Nitroso-di-n-propylamine
Concen: 20.018 ng
RT: 9.242 min Scan# 996
Delta R.T. 0.354 min
Lab File: BG053587.D
Acq: 17 May 2022 17:06

Tgt Ion: 70 Resp: 36525
Ion Ratio Lower Upper
70 100
42 47.5 47.3 70.9
101 0.0 7.0 10.4#
130 1.0 14.6 22.0#

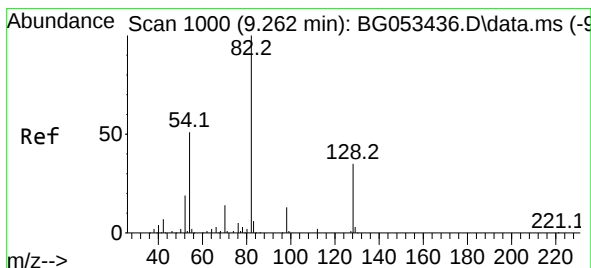
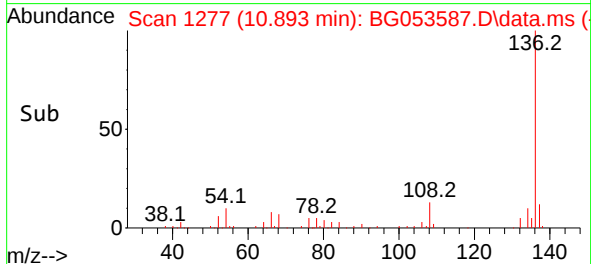
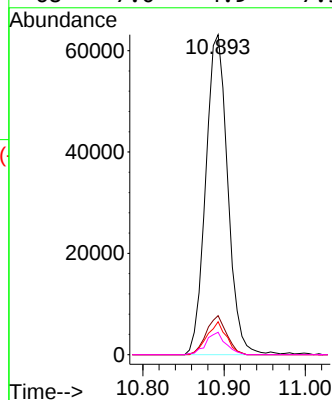
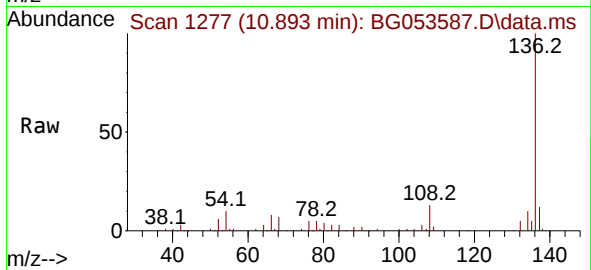




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.893 min Scan# 11
Delta R.T. -0.005 min
Lab File: BG053587.D
Acq: 17 May 2022 17:06

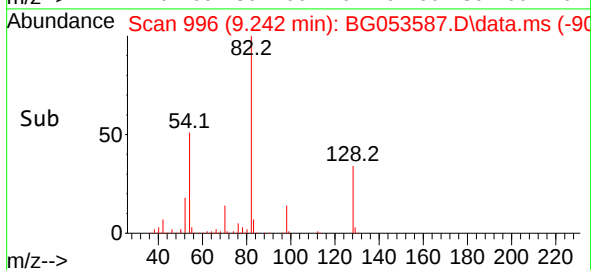
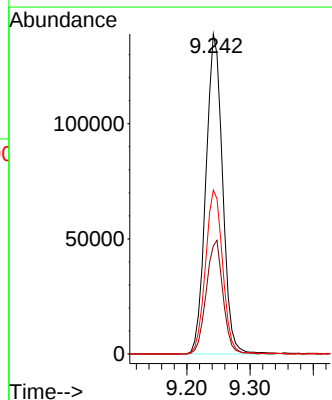
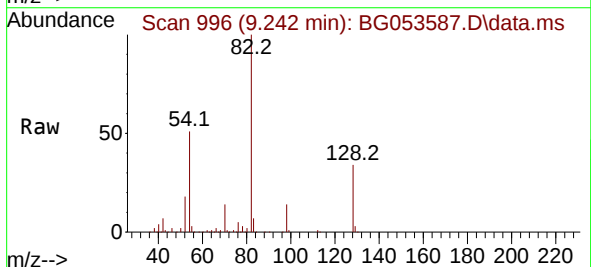
Instrument :
BNA_G
ClientSampleId :
RB-220510

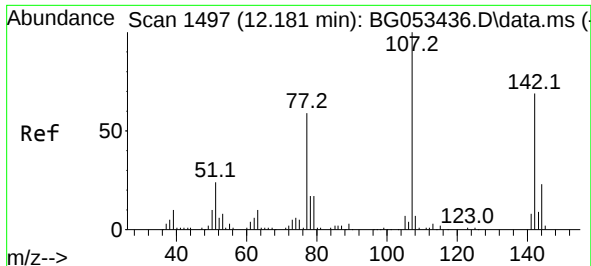
Tgt Ion:	136	Resp:	118707
Ion	Ratio	Lower	Upper
136	100		
137	12.2	8.5	12.7
54	10.3	7.4	11.2
68	7.0	4.9	7.3



#23
Nitrobenzene-d5
Concen: 91.661 ng
RT: 9.242 min Scan# 996
Delta R.T. -0.011 min
Lab File: BG053587.D
Acq: 17 May 2022 17:06

Tgt Ion:	82	Resp:	255608
Ion	Ratio	Lower	Upper
82	100		
128	33.7	27.9	41.9
54	51.2	41.2	61.8





#36

4-Chloro-3-methylphenol

Concen: 2.834 ng

RT: 12.197 min Scan# 1497

Delta R.T. 0.019 min

Lab File: BG053587.D

Acq: 17 May 2022 17:06

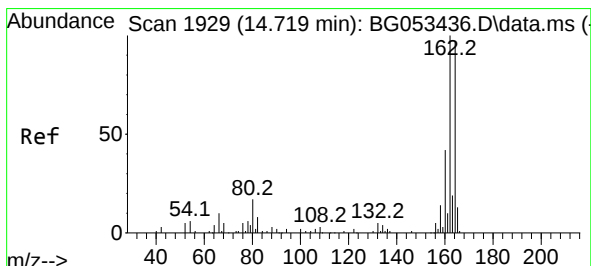
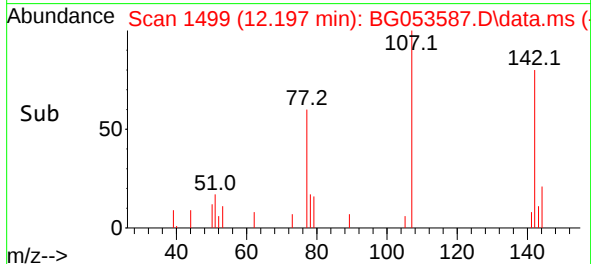
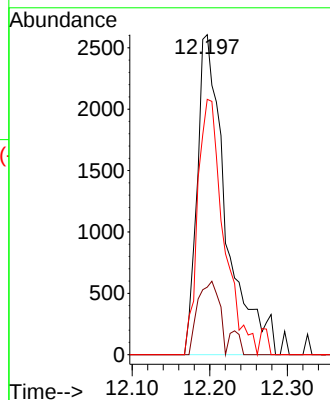
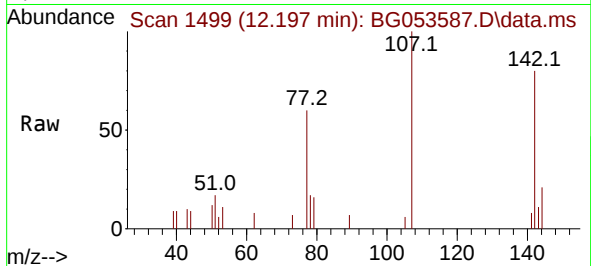
Instrument :

BNA_G

ClientSampleId :

RB-220510

Tgt Ion:107	Resp:	6732
Ion Ratio	Lower	Upper
107	100	
144	21.1	18.5 27.7
142	79.8	55.0 82.4



#39

Acenaphthene-d10

Concen: 20.000 ng

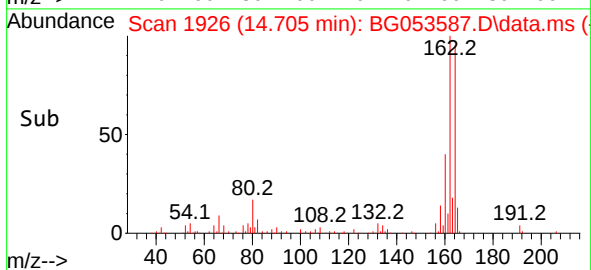
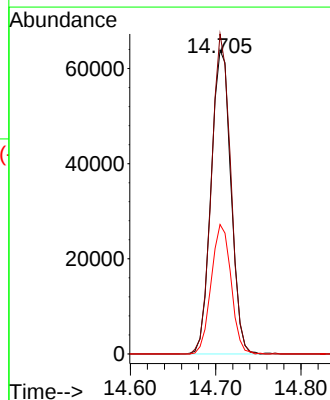
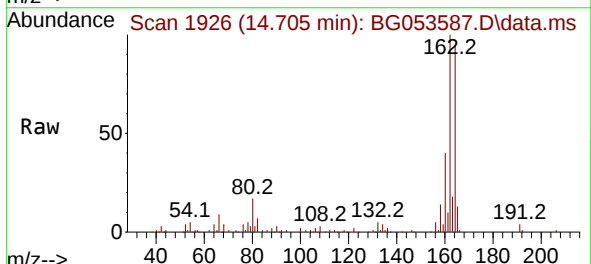
RT: 14.705 min Scan# 1926

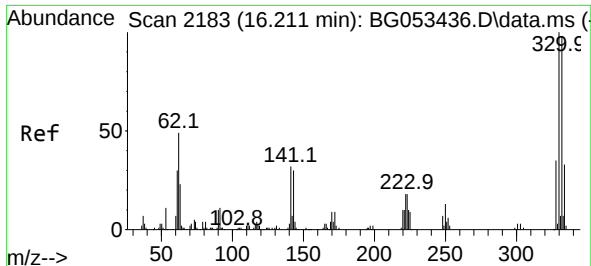
Delta R.T. -0.011 min

Lab File: BG053587.D

Acq: 17 May 2022 17:06

Tgt Ion:164	Resp:	103119
Ion Ratio	Lower	Upper
164	100	
162	105.3	82.3 123.5
160	42.6	34.2 51.2





#42

2,4,6-Tribromophenol

Concen: 141.246 ng

RT: 16.197 min Scan# 21

Delta R.T. -0.005 min

Lab File: BG053587.D

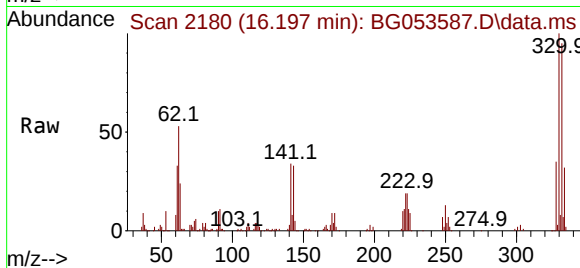
Acq: 17 May 2022 17:06

Instrument :

BNA_G

ClientSampleId :

RB-220510



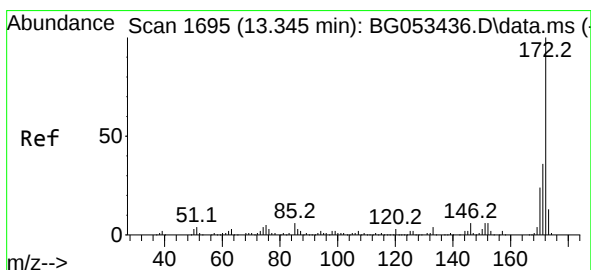
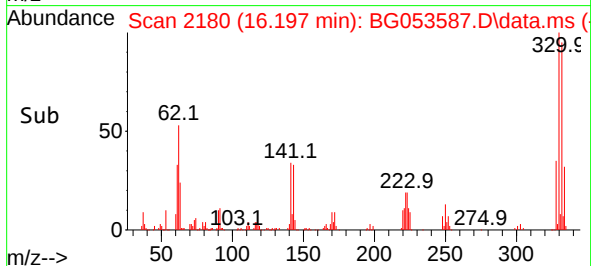
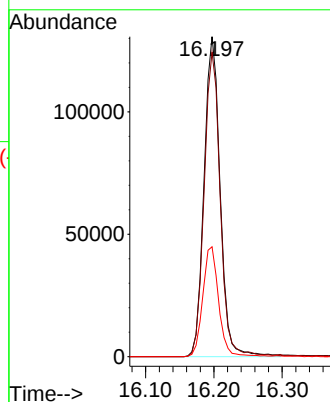
Tgt Ion:330 Resp: 214819

Ion Ratio Lower Upper

330 100

332 95.0 76.0 114.0

141 33.9 27.1 40.7



#45

2-Fluorobiphenyl

Concen: 85.844 ng

RT: 13.330 min Scan# 1692

Delta R.T. -0.005 min

Lab File: BG053587.D

Acq: 17 May 2022 17:06

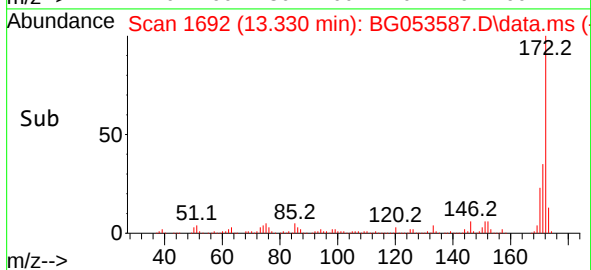
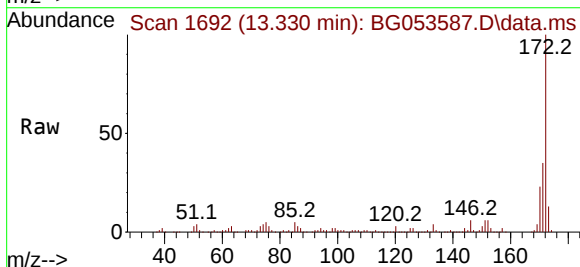
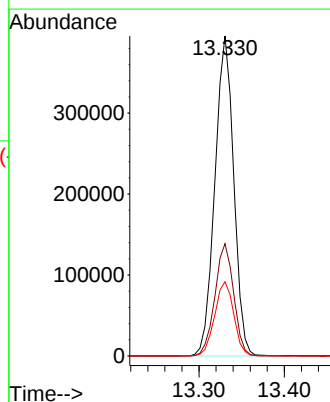
Tgt Ion:172 Resp: 605777

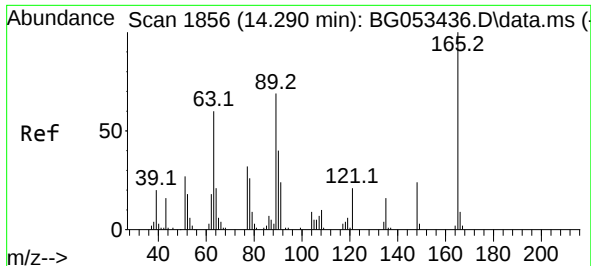
Ion Ratio Lower Upper

172 100

171 35.1 28.5 42.7

170 23.2 18.9 28.3





#51

2,6-Dinitrotoluene

Concen: 8.452 ng

RT: 14.705 min Scan# 1926

Delta R.T. 0.424 min

Lab File: BG053587.D

Acq: 17 May 2022 17:06

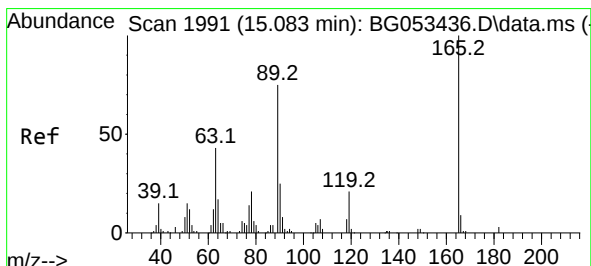
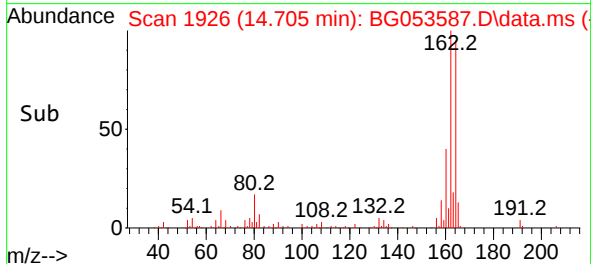
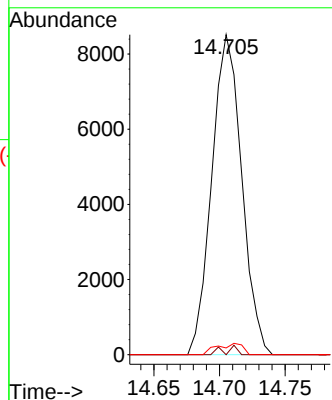
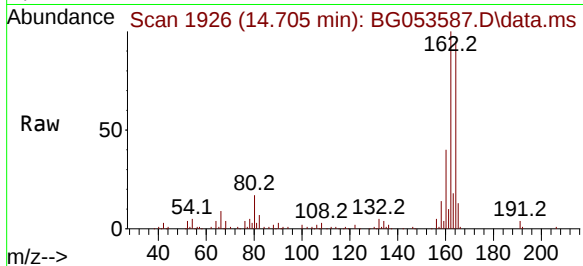
Instrument :

BNA_G

ClientSampleId :

RB-220510

Tgt Ion:	165	Resp:	13494
Ion	Ratio	Lower	Upper
165	100		
63	0.0	54.1	81.1#
89	2.1	54.8	82.2#



#57

2,4-Dinitrotoluene

Concen: 5.831 ng

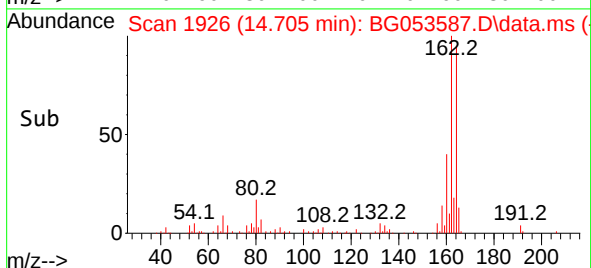
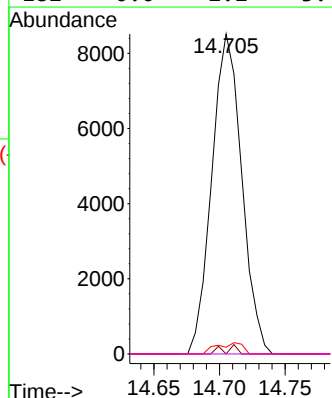
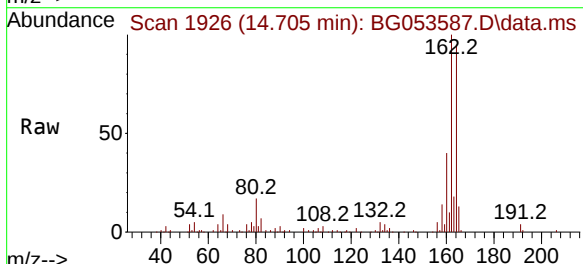
RT: 14.705 min Scan# 1926

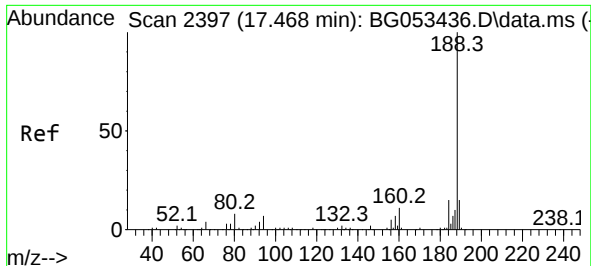
Delta R.T. -0.369 min

Lab File: BG053587.D

Acq: 17 May 2022 17:06

Tgt Ion:	165	Resp:	13494
Ion	Ratio	Lower	Upper
165	100		
63	0.0	34.6	52.0#
89	2.1	60.3	90.5#
182	0.0	2.2	3.4#

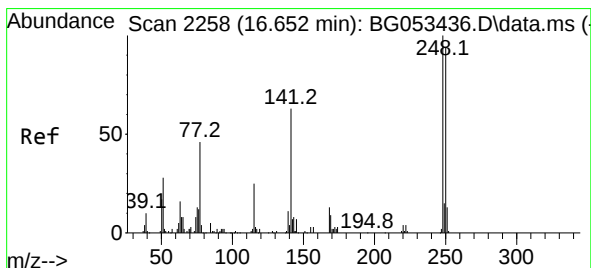
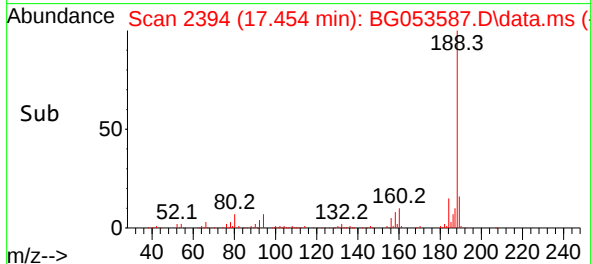
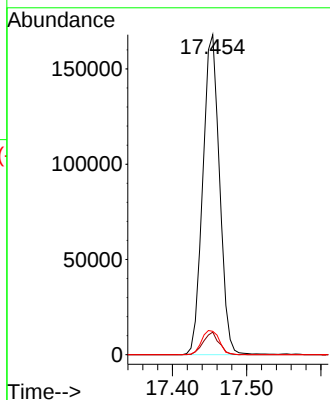
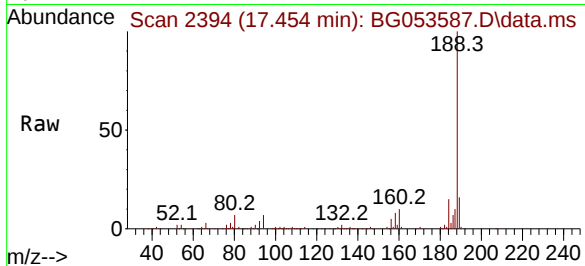




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.454 min Scan# 21
Delta R.T. -0.005 min
Lab File: BG053587.D
Acq: 17 May 2022 17:06

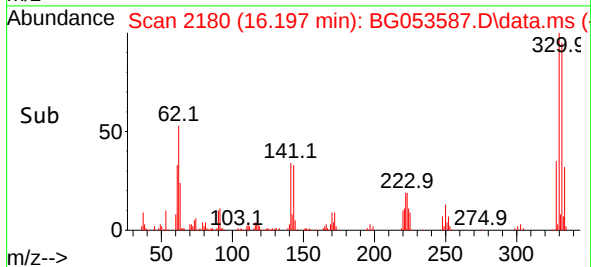
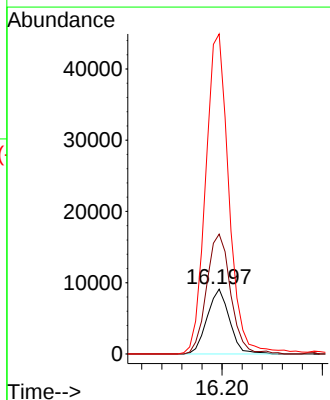
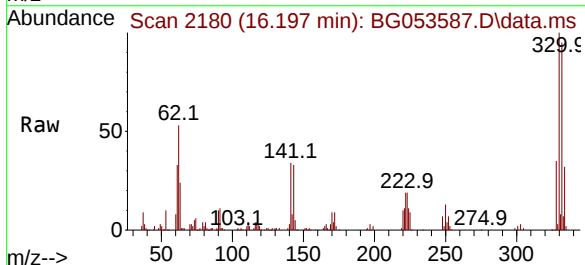
Instrument :
BNA_G
ClientSampleId :
RB-220510

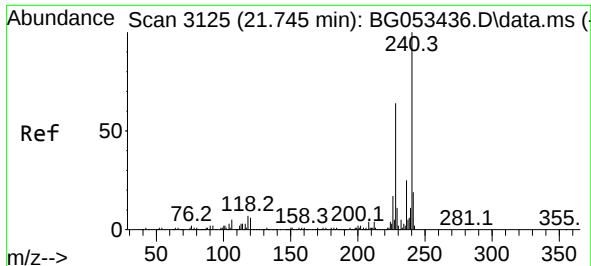
Tgt Ion:188 Resp: 263197
Ion Ratio Lower Upper
188 100
94 7.1 5.4 8.0
80 7.3 6.8 10.2



#67
4-Bromophenyl-phenylether
Concen: 4.591 ng
RT: 16.197 min Scan# 2180
Delta R.T. -0.445 min
Lab File: BG053587.D
Acq: 17 May 2022 17:06

Tgt Ion:248 Resp: 14112
Ion Ratio Lower Upper
248 100
250 184.8 75.2 112.8#
141 493.5 50.0 75.0#

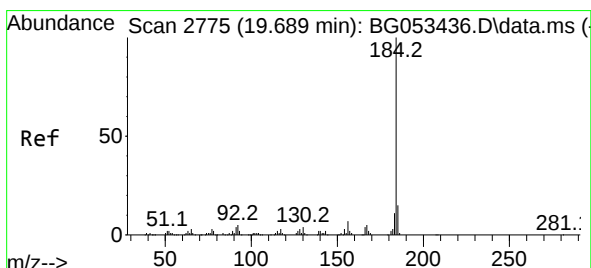
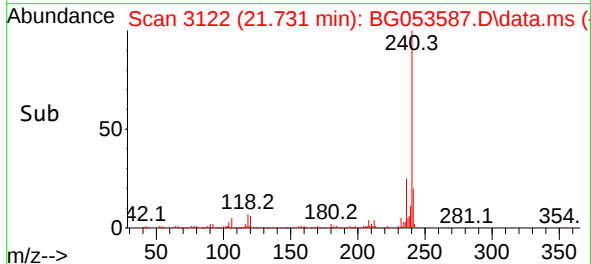
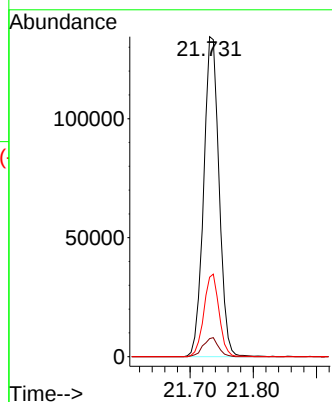
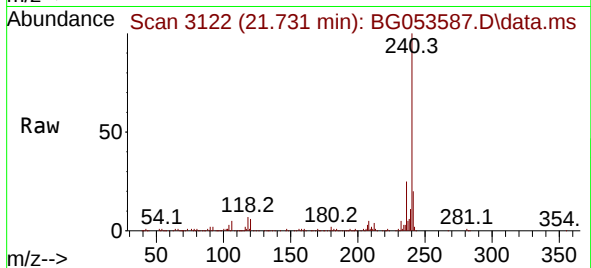




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.731 min Scan# 31
Delta R.T. -0.011 min
Lab File: BG053587.D
Acq: 17 May 2022 17:06

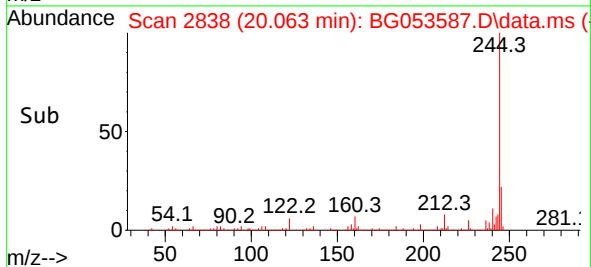
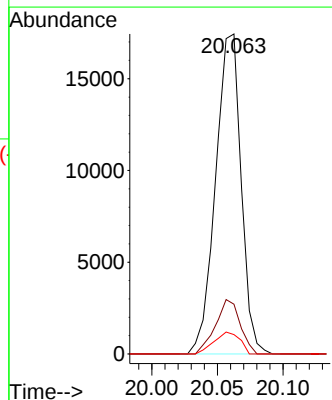
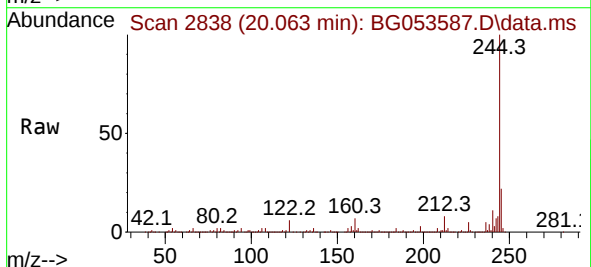
Instrument :
BNA_G
ClientSampleId :
RB-220510

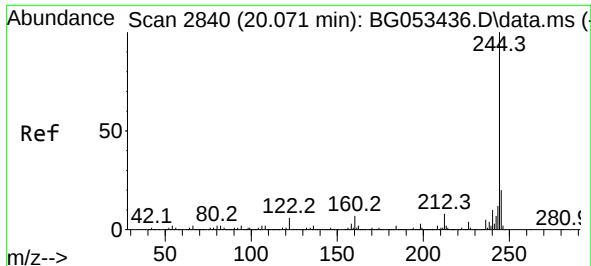
Tgt Ion:240 Resp: 227748
Ion Ratio Lower Upper
240 100
120 5.6 4.6 7.0
236 24.9 20.2 30.4



#77
Benzidine
Concen: 4.797 ng
RT: 20.063 min Scan# 2838
Delta R.T. 0.383 min
Lab File: BG053587.D
Acq: 17 May 2022 17:06

Tgt Ion:184 Resp: 23548
Ion Ratio Lower Upper
184 100
185 15.6 11.8 17.6
183 6.0 8.9 13.3#

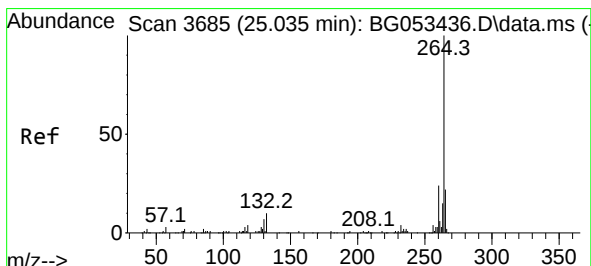
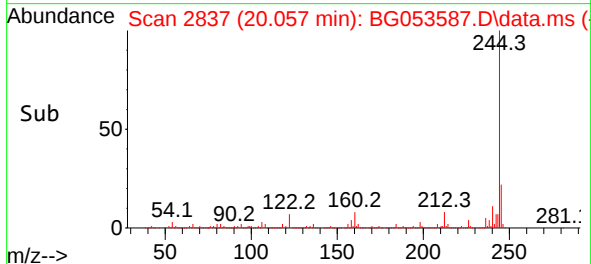
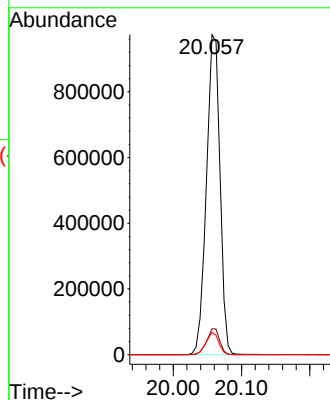
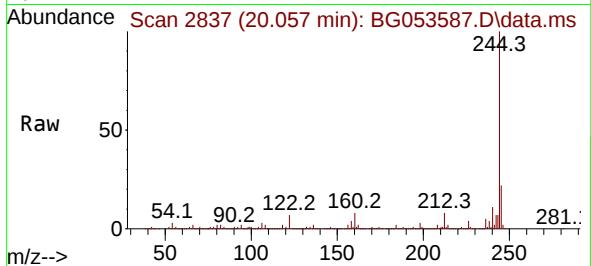




#79
 Terphenyl-d14
 Concen: 109.991 ng
 RT: 20.057 min Scan# 21
 Delta R.T. -0.005 min
 Lab File: BG053587.D
 Acq: 17 May 2022 17:06

Instrument :
 BNA_G
 ClientSampleId :
 RB-220510

Tgt Ion:244 Resp: 1344999
 Ion Ratio Lower Upper
 244 100
 212 8.1 6.5 9.7
 122 7.0 5.0 7.4



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.015 min Scan# 3681
 Delta R.T. -0.005 min
 Lab File: BG053587.D
 Acq: 17 May 2022 17:06

Tgt Ion:264 Resp: 199724
 Ion Ratio Lower Upper
 264 100
 260 23.6 19.0 28.6
 265 21.8 17.4 26.2

