

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG051922\
 Data File : BG053625.D
 Acq On : 19 May 2022 14:18
 Operator : CG/JU
 Sample : N2824-07
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CS-7E

Quant Time: May 20 03:57:05 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG050522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri May 20 03:55:28 2022
 Response via : Initial Calibration

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

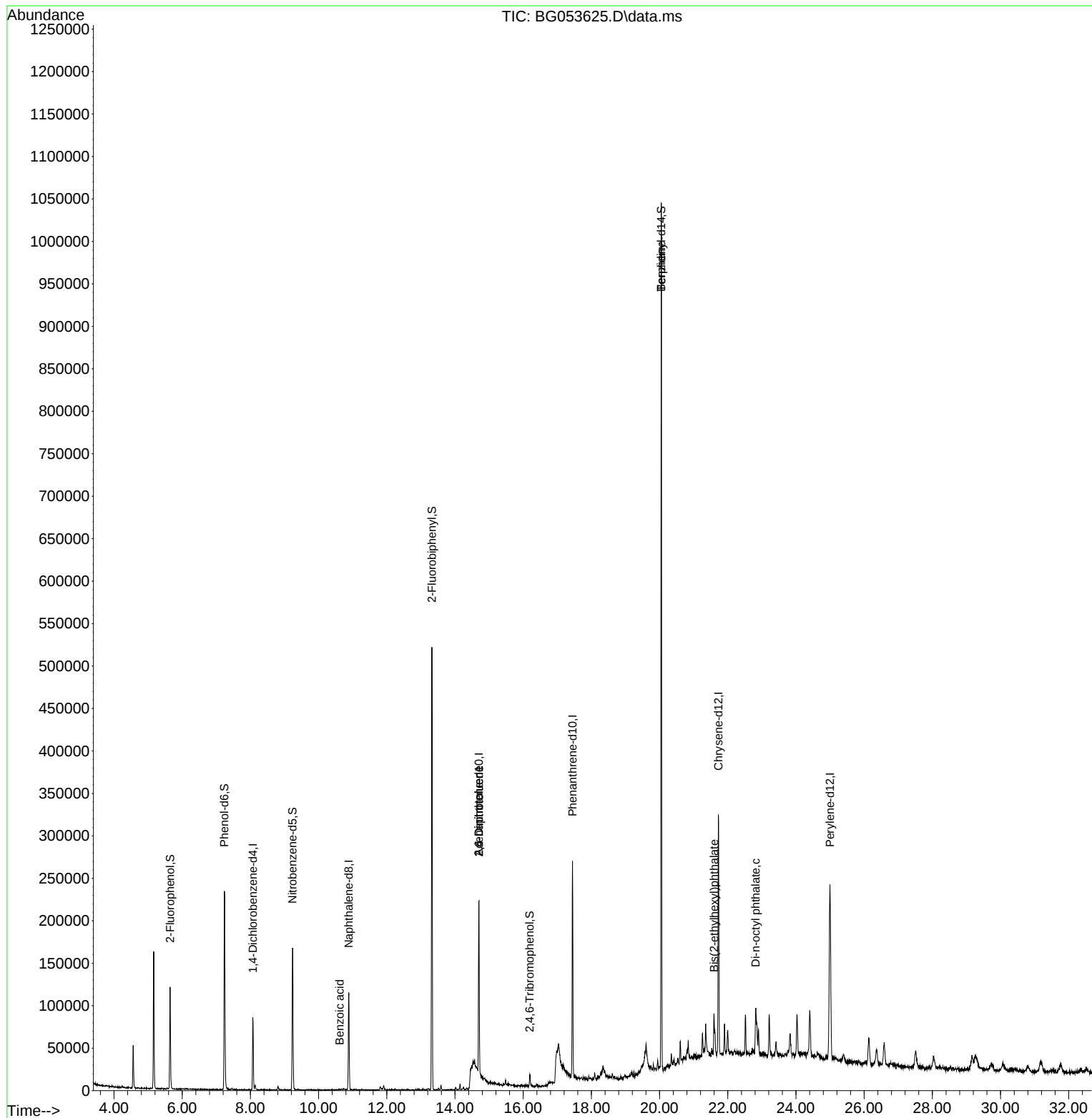
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.071	152	23151	20.000	ng	0.00
21) Naphthalene-d8	10.884	136	91388	20.000	ng	# 0.00
39) Acenaphthene-d10	14.703	164	64020	20.000	ng	0.00
64) Phenanthrene-d10	17.446	188	160797	20.000	ng	0.00
76) Chrysene-d12	21.723	240	178571	20.000	ng	-0.01
86) Perylene-d12	25.001	264	184479	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.644	112	49924	36.598	ng	0.00
7) Phenol-d6	7.236	99	137568	66.449	ng	0.00
23) Nitrobenzene-d5	9.234	82	108807	50.682	ng	0.00
42) 2,4,6-Tribromophenol	16.189	330	3509	3.716	ng	0.00
45) 2-Fluorobiphenyl	13.322	172	269452	61.503	ng	0.00
79) Terphenyl-d14	20.049	244	504639	52.633	ng	0.00
Target Compounds						
						Qvalue
32) Benzoic acid	10.614	122	80	8.569	ng	# 1
51) 2,6-Dinitrotoluene	14.703	165	9114	9.195	ng	# 24
57) 2,4-Dinitrotoluene	14.703	165	9114	6.344	ng	# 29
77) Benzidine	20.049	184	9266	2.407	ng	# 92
84) Bis(2-ethylhexyl)phtha...	21.599	149	18589	3.177	ng	# 94
85) Di-n-octyl phthalate	22.815	149	35219	3.560	ng	# 74

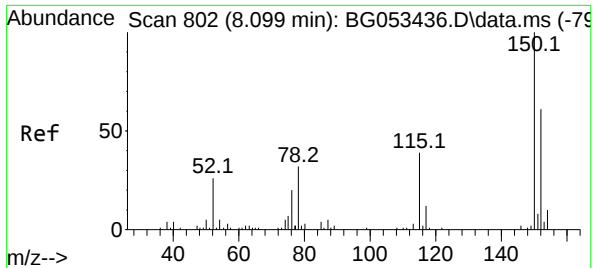
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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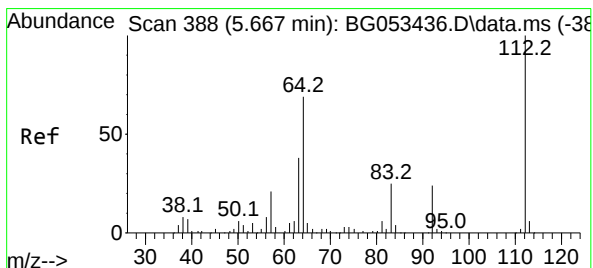
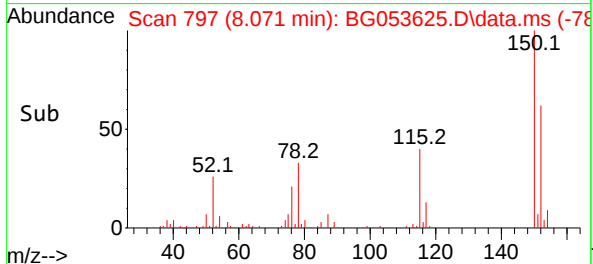
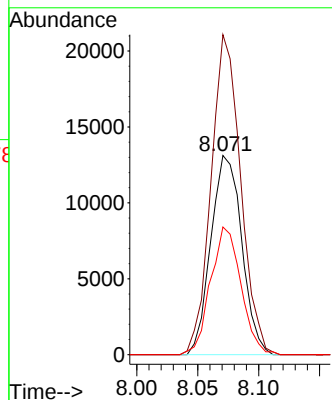
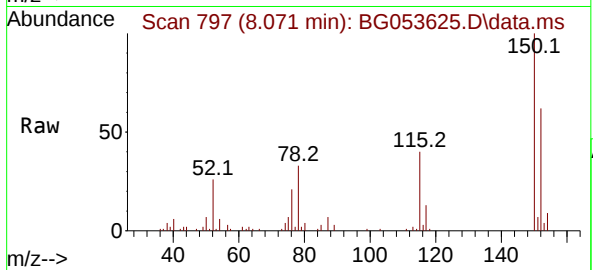




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.071 min Scan# 79
Delta R.T. -0.004 min
Lab File: BG053625.D
Acq: 19 May 2022 14:18

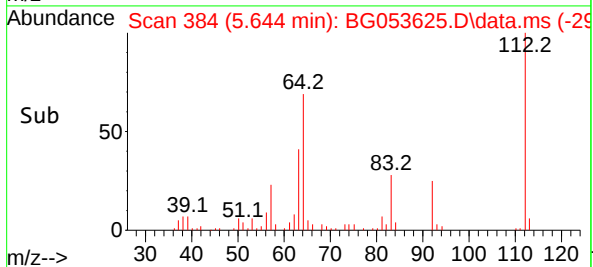
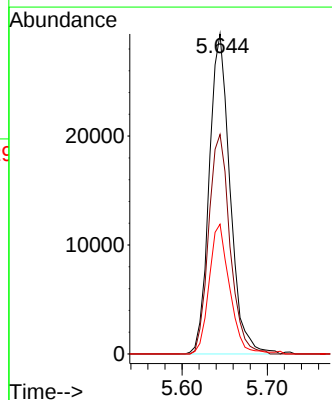
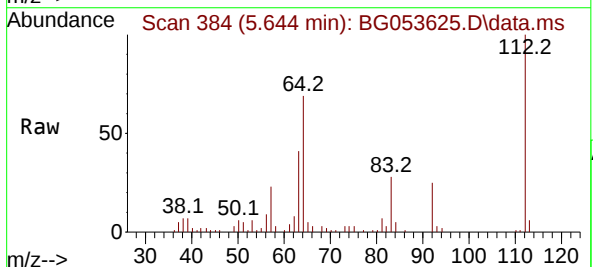
Instrument :
BNA_G
ClientSampleId :
CS-7E

Tgt Ion:152 Resp: 23151
Ion Ratio Lower Upper
152 100
150 160.6 131.6 197.4
115 64.1 50.9 76.3



#5
2-Fluorophenol
Concen: 36.598 ng
RT: 5.644 min Scan# 384
Delta R.T. 0.001 min
Lab File: BG053625.D
Acq: 19 May 2022 14:18

Tgt Ion:112 Resp: 49924
Ion Ratio Lower Upper
112 100
64 68.6 55.1 82.7
63 40.6 30.4 45.6

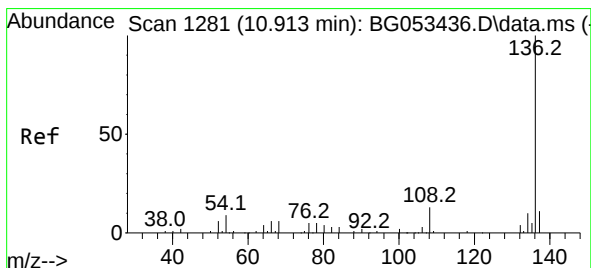
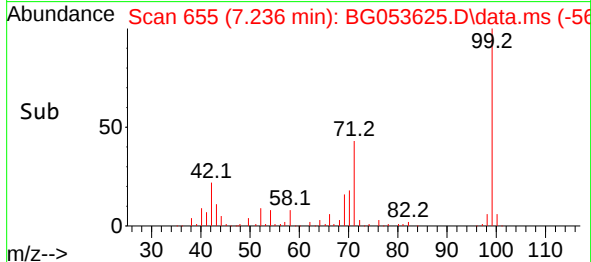
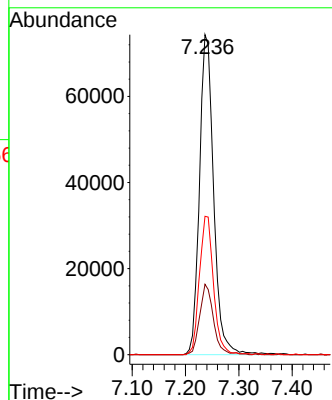
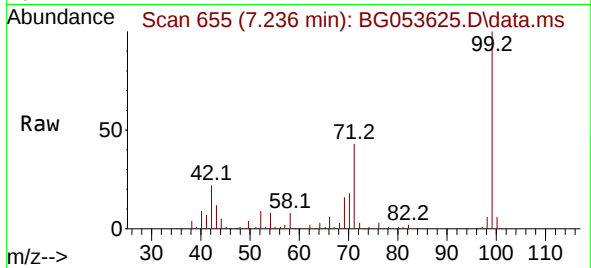




#7
Phenol-d6
Concen: 66.449 ng
RT: 7.236 min Scan# 61
Delta R.T. -0.004 min
Lab File: BG053625.D
Acq: 19 May 2022 14:18

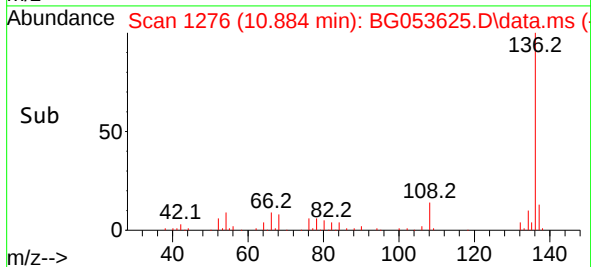
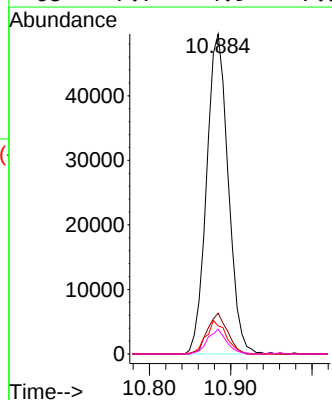
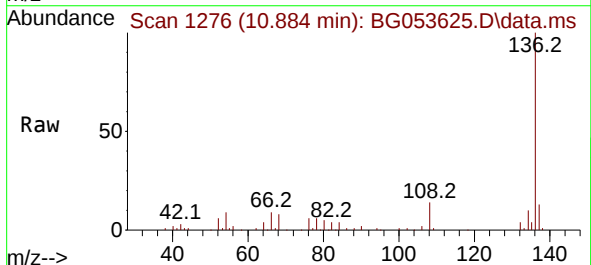
Instrument :
BNA_G
ClientSampleId :
CS-7E

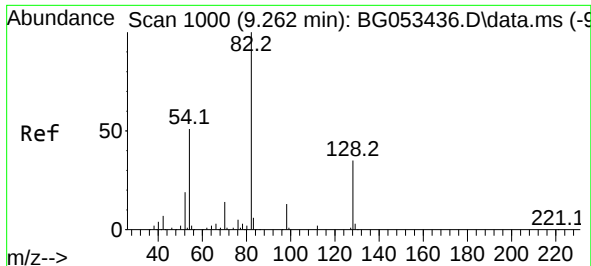
Tgt Ion: 99 Resp: 137568
Ion Ratio Lower Upper
99 100
42 22.0 17.0 25.6
71 43.3 33.8 50.8



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.884 min Scan# 1276
Delta R.T. 0.001 min
Lab File: BG053625.D
Acq: 19 May 2022 14:18

Tgt Ion: 136 Resp: 91388
Ion Ratio Lower Upper
136 100
137 12.7 8.5 12.7#
54 8.8 7.4 11.2
68 7.7 4.9 7.3#





#23

Nitrobenzene-d5

Concen: 50.682 ng

RT: 9.234 min Scan# 91

Delta R.T. -0.004 min

Lab File: BG053625.D

Acq: 19 May 2022 14:18

Instrument :

BNA_G

ClientSampleId :

CS-7E

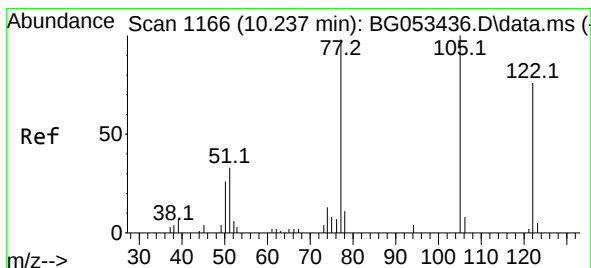
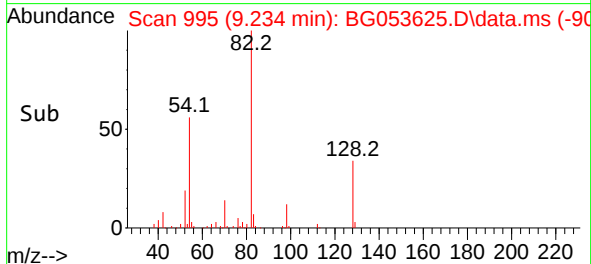
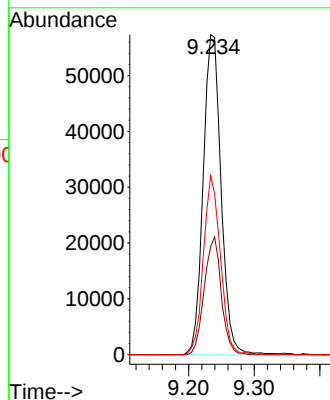
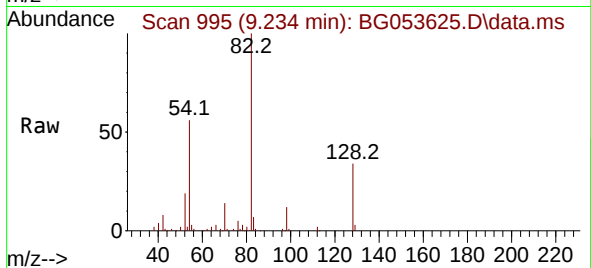
Tgt Ion: 82 Resp: 108807

Ion Ratio Lower Upper

82 100

128 33.9 27.9 41.9

54 56.0 41.2 61.8



#32

Benzoic acid

Concen: 8.569 ng

RT: 10.614 min Scan# 1230

Delta R.T. 0.395 min

Lab File: BG053625.D

Acq: 19 May 2022 14:18

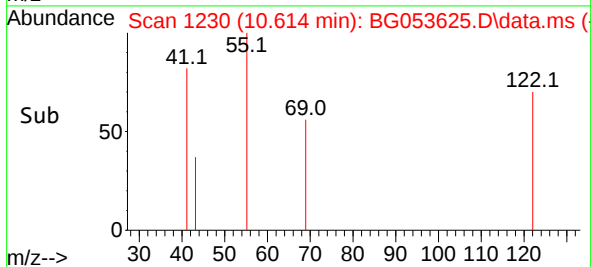
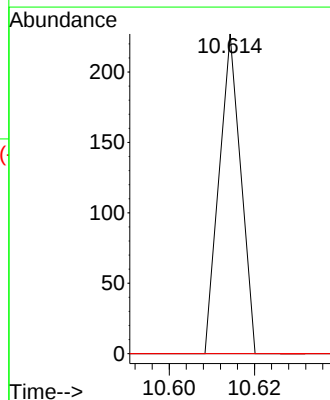
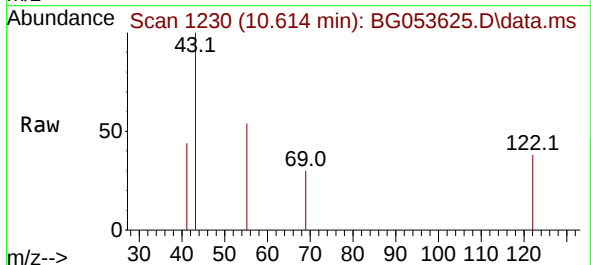
Tgt Ion: 122 Resp: 80

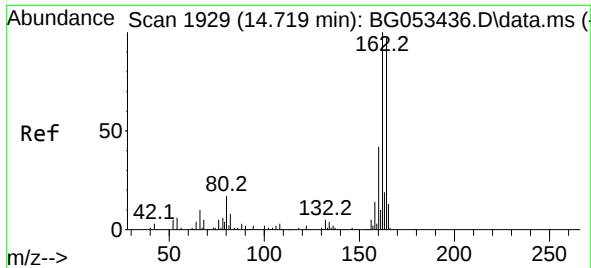
Ion Ratio Lower Upper

122 100

105 0.0 111.8 151.8#

77 0.0 109.4 149.4#

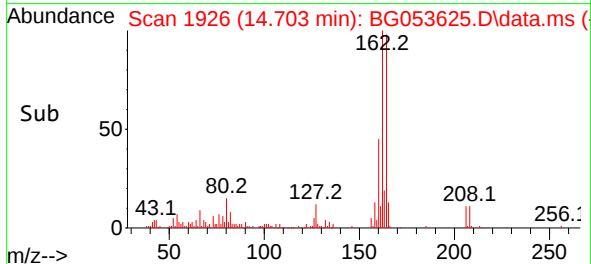
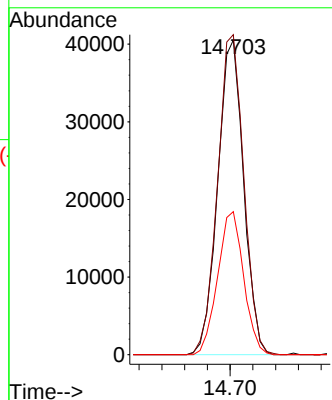
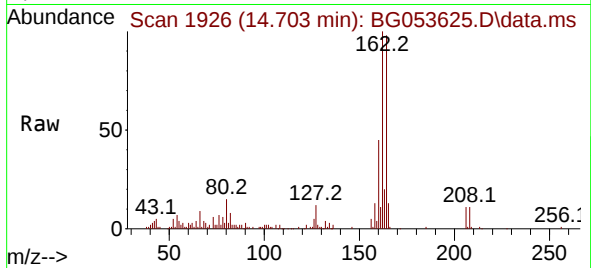




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.703 min Scan# 1929
Delta R.T. 0.002 min
Lab File: BG053625.D
Acq: 19 May 2022 14:18

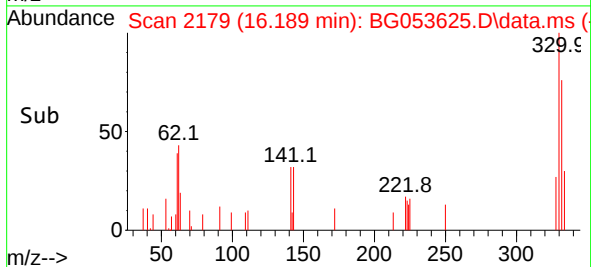
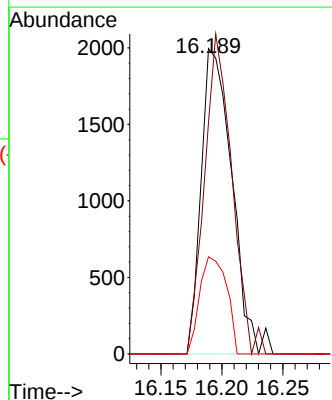
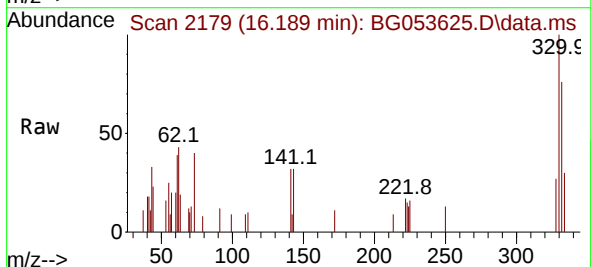
Instrument :
BNA_G
ClientSampleId :
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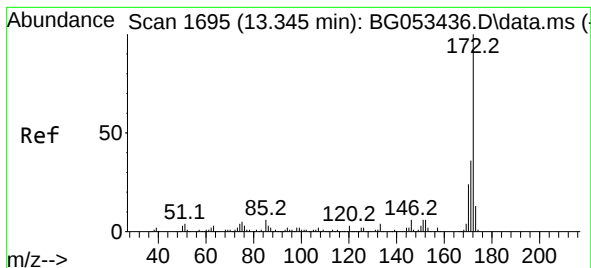
Tgt Ion:164 Resp: 64020
Ion Ratio Lower Upper
164 100
162 101.7 82.3 123.5
160 45.5 34.2 51.2



#42
2,4,6-Tribromophenol
Concen: 3.716 ng
RT: 16.189 min Scan# 2179
Delta R.T. -0.004 min
Lab File: BG053625.D
Acq: 19 May 2022 14:18

Tgt Ion:330 Resp: 3509
Ion Ratio Lower Upper
330 100
332 93.1 76.0 114.0
141 27.8 27.1 40.7





#45

2-Fluorobiphenyl

Concen: 61.503 ng

RT: 13.322 min Scan# 1

Delta R.T. -0.004 min

Lab File: BG053625.D

Acq: 19 May 2022 14:18

Instrument :

BNA_G

ClientSampleId :

CS-7E

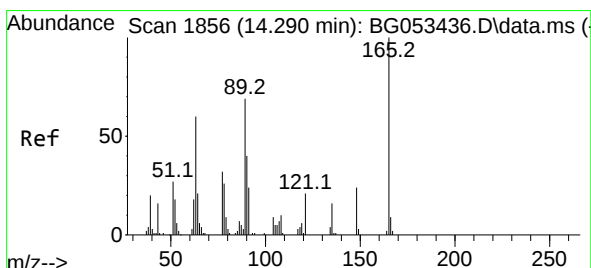
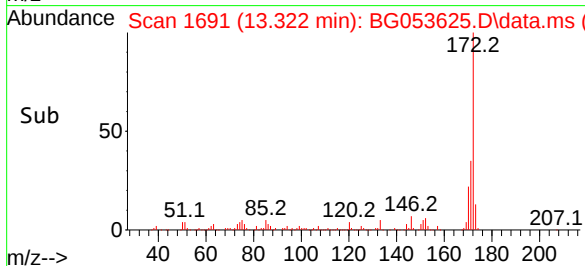
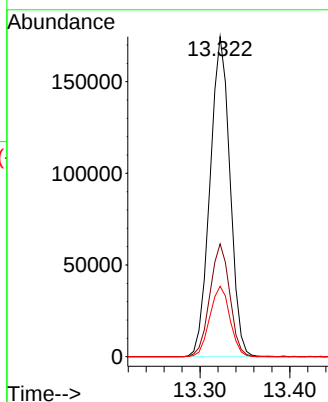
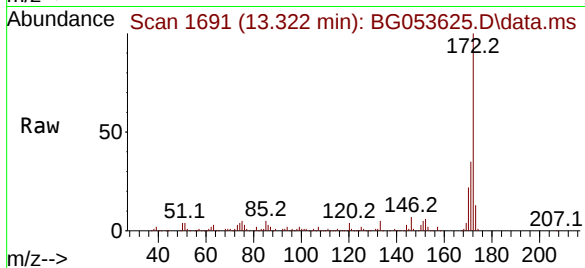
Tgt Ion:172 Resp: 269452

Ion Ratio Lower Upper

172 100

171 35.2 28.5 42.7

170 22.0 18.9 28.3



#51

2,6-Dinitrotoluene

Concen: 9.195 ng

RT: 14.703 min Scan# 1926

Delta R.T. 0.430 min

Lab File: BG053625.D

Acq: 19 May 2022 14:18

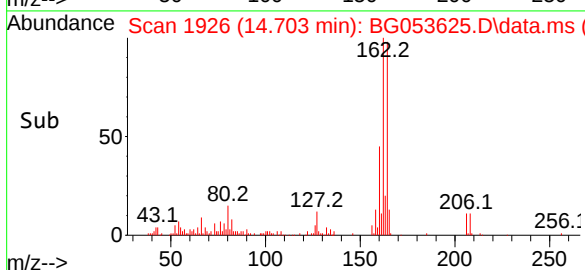
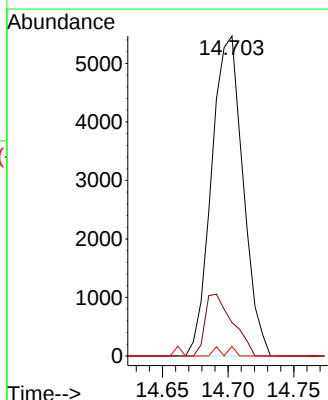
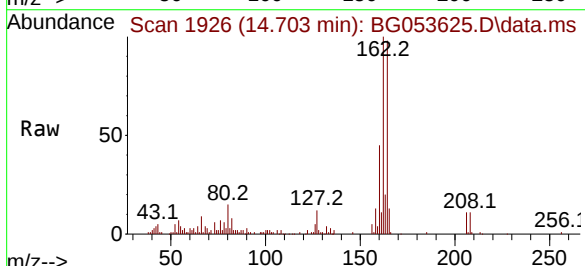
Tgt Ion:165 Resp: 9114

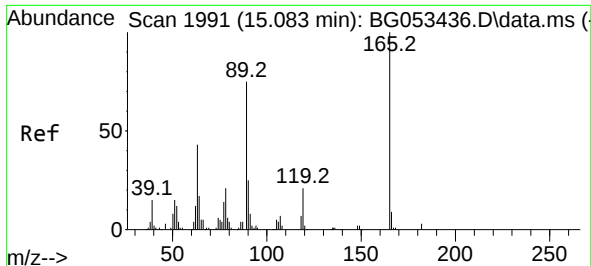
Ion Ratio Lower Upper

165 100

63 10.5 54.1 81.1#

89 3.0 54.8 82.2#

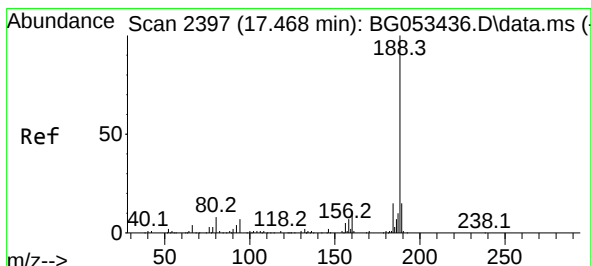
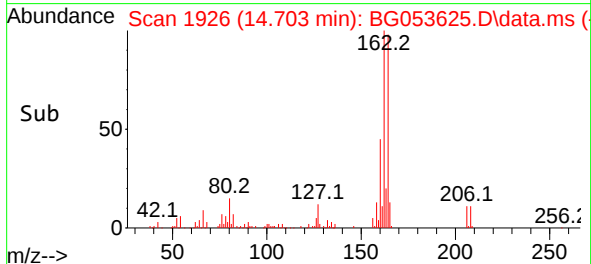
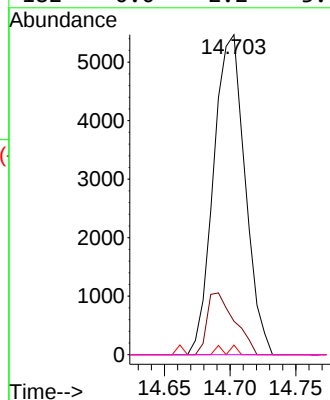
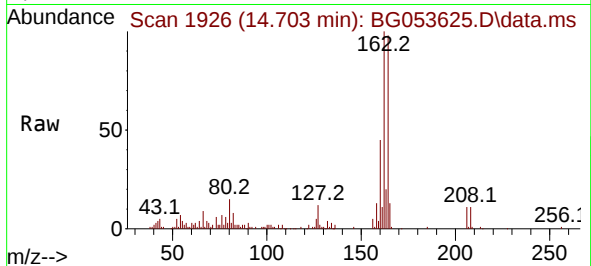




#57
2,4-Dinitrotoluene
Concen: 6.344 ng
RT: 14.703 min Scan# 1991
Delta R.T. -0.363 min
Lab File: BG053625.D
Acq: 19 May 2022 14:18

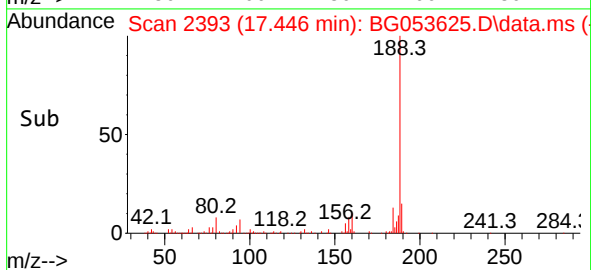
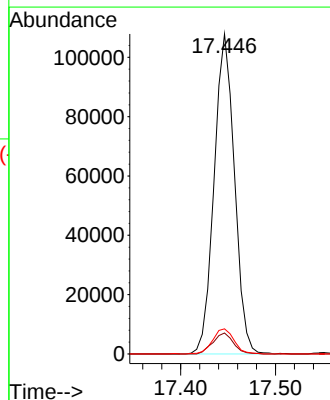
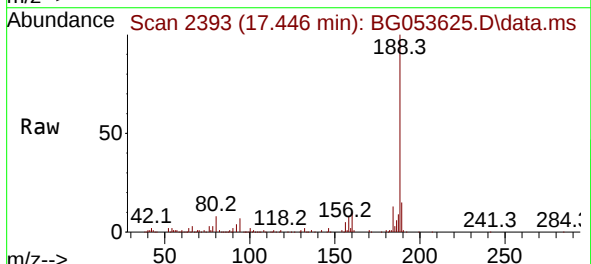
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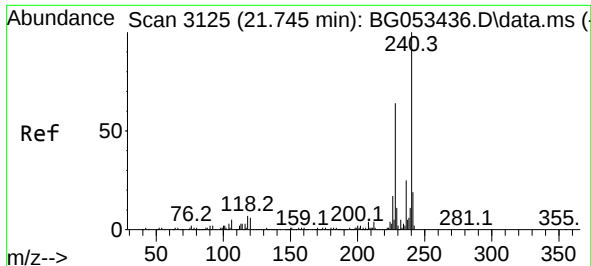
Tgt Ion:	165	Resp:	9114
Ion Ratio	Lower	Upper	
165	100		
63	10.5	34.6	52.0#
89	3.0	60.3	90.5#
182	0.0	2.2	3.4#



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.446 min Scan# 2393
Delta R.T. -0.004 min
Lab File: BG053625.D
Acq: 19 May 2022 14:18

Tgt Ion:	188	Resp:	160797
Ion Ratio	Lower	Upper	
188	100		
94	6.5	5.4	8.0
80	7.8	6.8	10.2

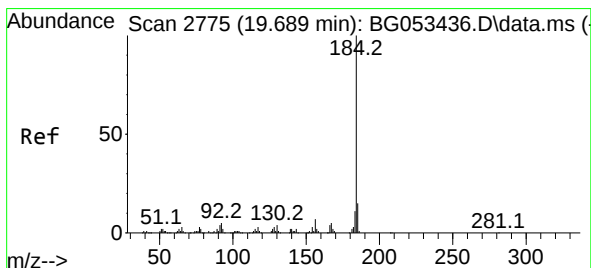
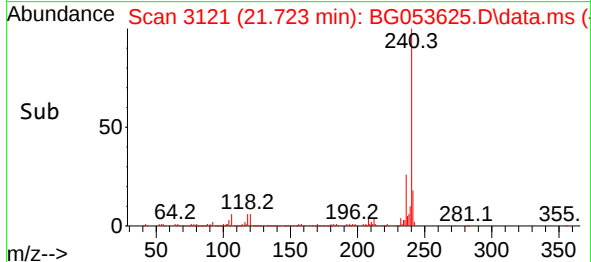
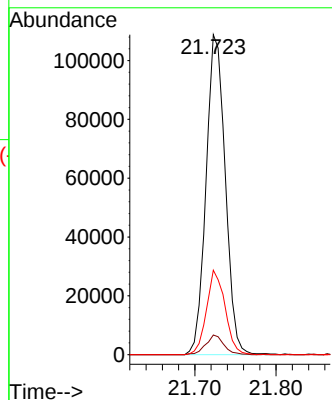
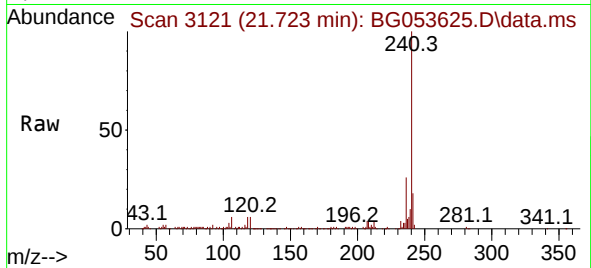




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.723 min Scan# 31
Delta R.T. -0.010 min
Lab File: BG053625.D
Acq: 19 May 2022 14:18

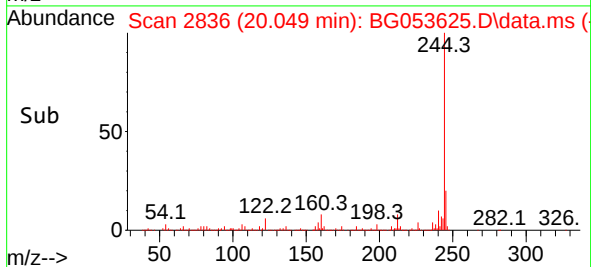
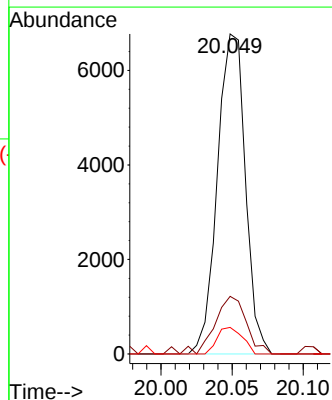
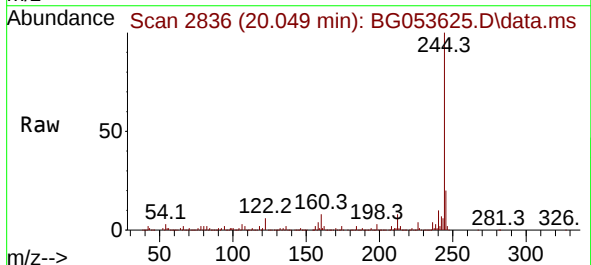
Instrument :
BNA_G
ClientSampleId :
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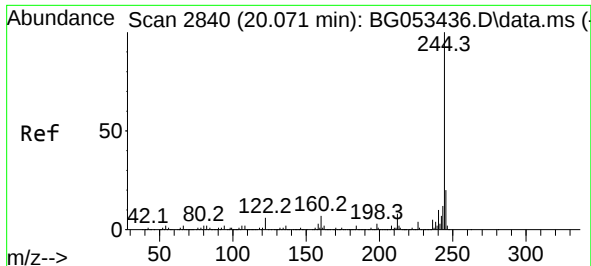
Tgt Ion:240 Resp: 178571
Ion Ratio Lower Upper
240 100
120 6.2 4.6 7.0
236 26.4 20.2 30.4



#77
Benzidine
Concen: 2.407 ng
RT: 20.049 min Scan# 2836
Delta R.T. 0.377 min
Lab File: BG053625.D
Acq: 19 May 2022 14:18

Tgt Ion:184 Resp: 9266
Ion Ratio Lower Upper
184 100
185 18.0 11.8 17.6#
183 8.3 8.9 13.3#

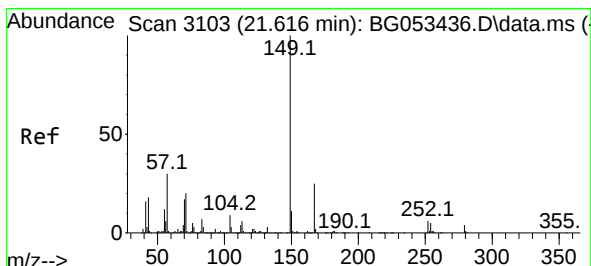
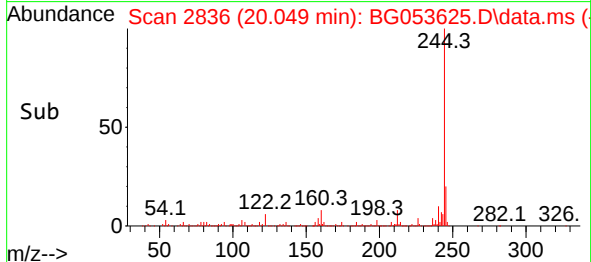
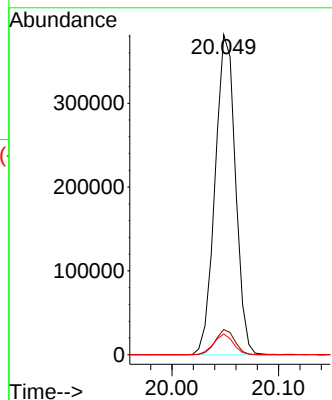
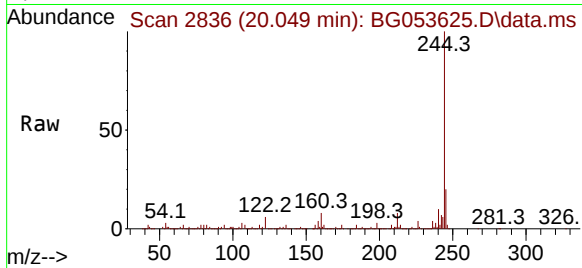




#79
 Terphenyl-d14
 Concen: 52.633 ng
 RT: 20.049 min Scan# 21
 Delta R.T. -0.004 min
 Lab File: BG053625.D
 Acq: 19 May 2022 14:18

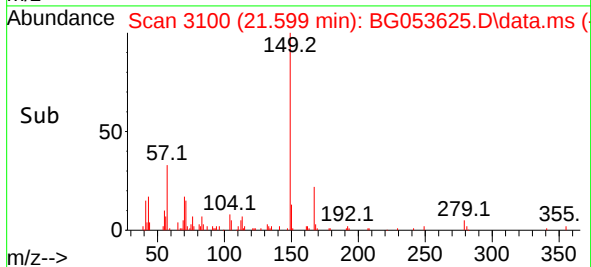
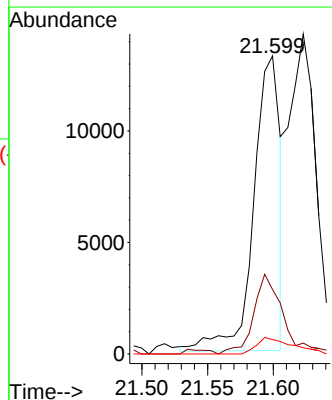
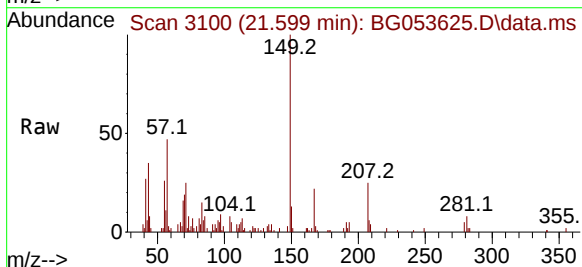
Instrument :
 BNA_G
 ClientSampleId :
 CS-7E

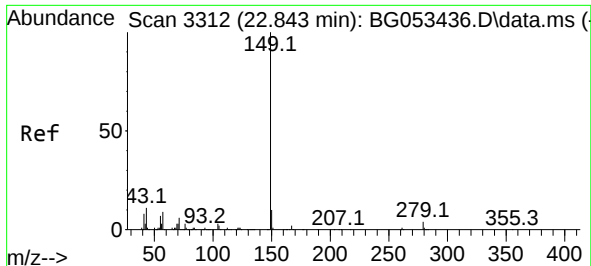
Tgt Ion:244 Resp: 504639
 Ion Ratio Lower Upper
 244 100
 212 7.9 6.5 9.7
 122 6.5 5.0 7.4



#84
 Bis(2-ethylhexyl)phthalate
 Concen: 3.177 ng
 RT: 21.599 min Scan# 3100
 Delta R.T. 0.001 min
 Lab File: BG053625.D
 Acq: 19 May 2022 14:18

Tgt Ion:149 Resp: 18589
 Ion Ratio Lower Upper
 149 100
 167 21.7 20.2 30.4
 279 4.8 3.6 5.4

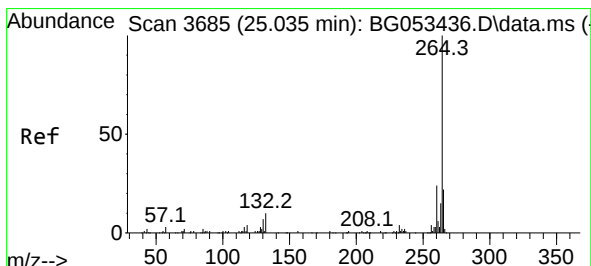
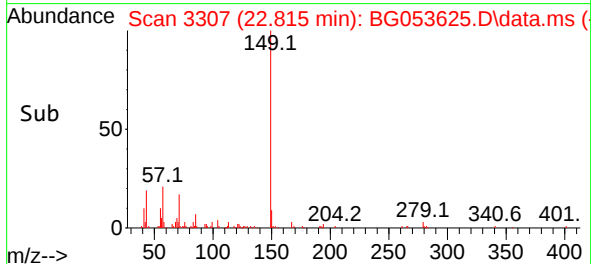
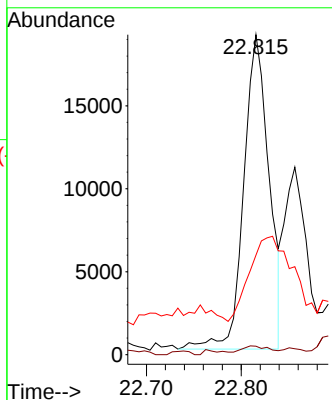
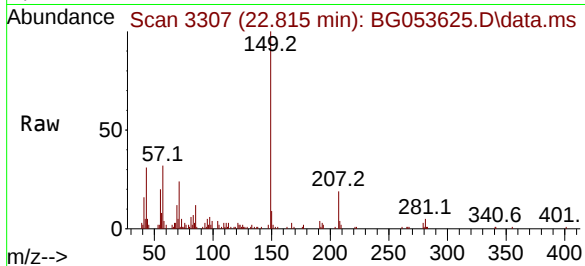




#85
Di-n-octyl phthalate
Concen: 3.560 ng
RT: 22.815 min Scan# 31
Delta R.T. -0.004 min
Lab File: BG053625.D
Acq: 19 May 2022 14:18

Instrument :
BNA_G
ClientSampleId :
CS-7E

Tgt Ion:149 Resp: 35219
Ion Ratio Lower Upper
149 100
167 2.1 1.3 1.9#
43 0.0 9.0 13.4#



#86
Perylene-d12
Concen: 20.000 ng
RT: 25.001 min Scan# 3679
Delta R.T. -0.004 min
Lab File: BG053625.D
Acq: 19 May 2022 14:18

Tgt Ion:264 Resp: 184479
Ion Ratio Lower Upper
264 100
260 23.6 19.0 28.6
265 21.4 17.4 26.2

