

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102921\
 Data File : BG050781.D
 Acq On : 29 Oct 2021 17:18
 Operator : CG/JU
 Sample : M4380-02
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-CHAR-(SUSPECT)

Quant Time: Oct 29 18:52:19 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Oct 14 10:56:22 2021
 Response via : Initial Calibration

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

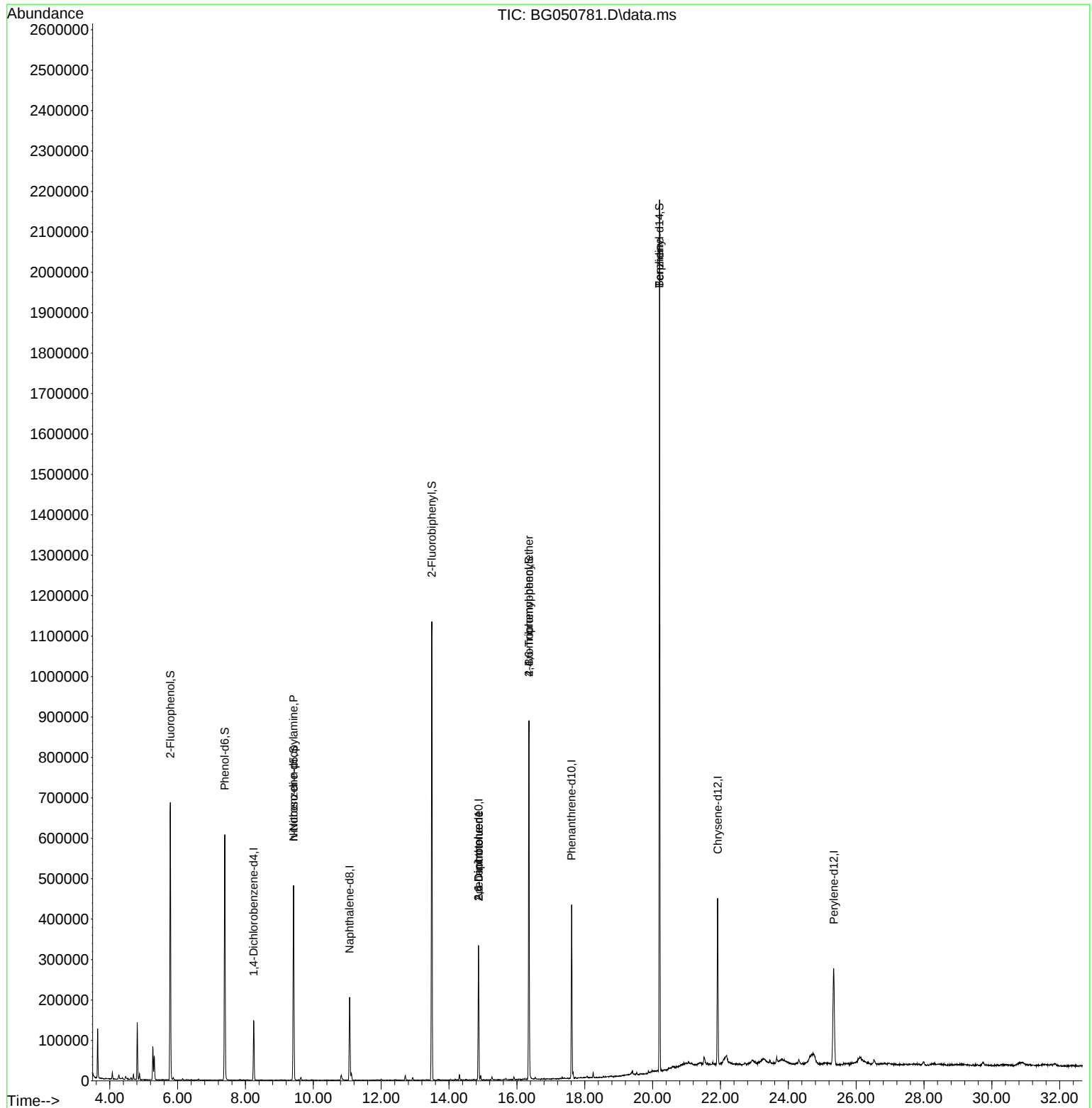
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.242	152	39855	20.000	ng	-0.02
21) Naphthalene-d8	11.068	136	175446	20.000	ng	#-0.02
39) Acenaphthene-d10	14.869	164	115222	20.000	ng	0.00
64) Phenanthrene-d10	17.613	188	261699	20.000	ng	# 0.00
76) Chrysene-d12	21.920	240	244600	20.000	ng	# 0.00
86) Perylene-d12	25.339	264	236665	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.786	112	287812	108.000	ng	0.00
7) Phenol-d6	7.390	99	338173	87.647	ng	-0.01
23) Nitrobenzene-d5	9.417	82	311004	73.380	ng	-0.01
42) 2,4,6-Tribromophenol	16.356	330	134955	122.796	ng	0.00
45) 2-Fluorobiphenyl	13.494	172	566753	74.029	ng	-0.01
79) Terphenyl-d14	20.204	244	946483	75.410	ng	0.00
Target Compounds						
					Qvalue	
9) Benzaldehyde	7.390	77	853	Below Cal	#	30
19) n-Nitroso-di-n-propyla...	9.417	70	43979	15.638	ng	# 72
51) 2,6-Dinitrotoluene	14.869	165	15483	8.876	ng	# 10
57) 2,4-Dinitrotoluene	14.869	165	15483	6.297	ng	# 15
67) 4-Bromophenyl-phenylether	16.356	248	10768	4.083	ng	# 1
77) Benzidine	20.204	184	18605	2.347	ng	# 92

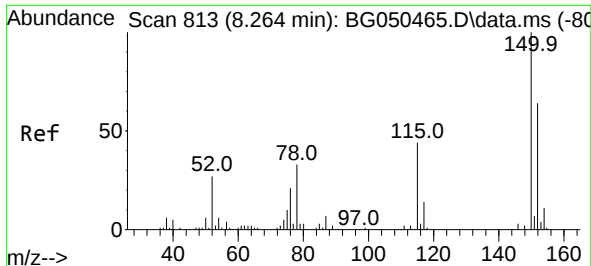
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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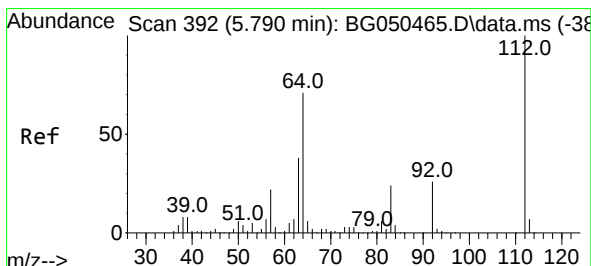
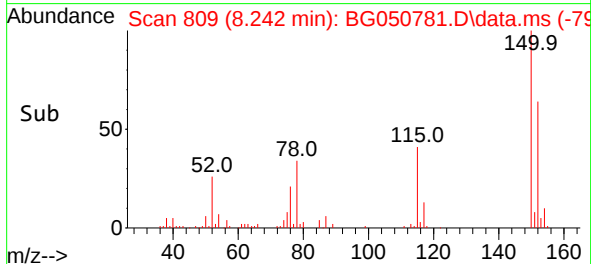
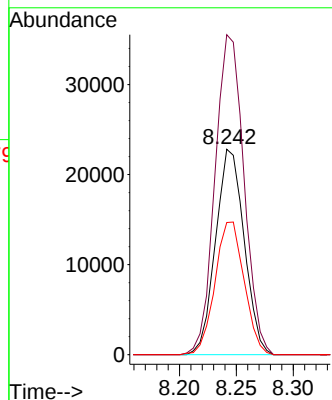
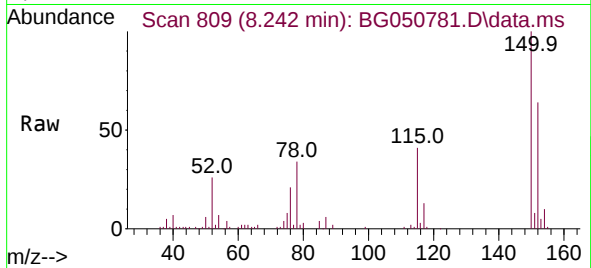




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.242 min Scan# 809
Delta R.T. -0.016 min
Lab File: BG050781.D
Acq: 29 Oct 2021 17:18

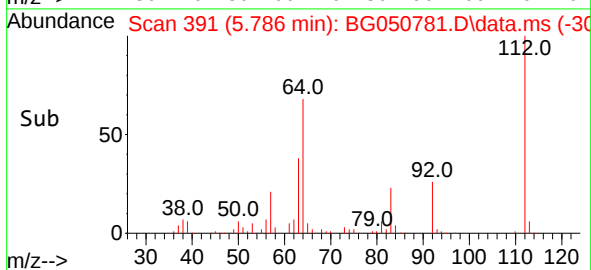
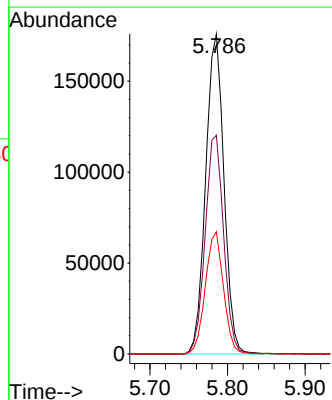
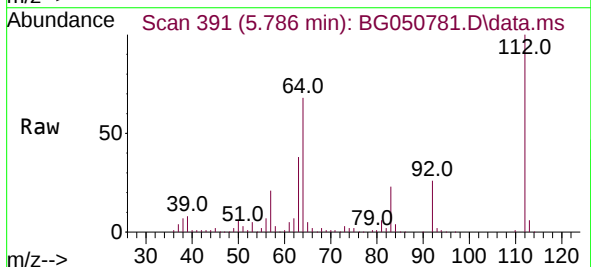
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:152 Resp: 39855
Ion Ratio Lower Upper
152 100
150 155.8 119.4 179.0
115 64.3 60.2 90.4



#5
2-Fluorophenol
Concen: 108.000 ng
RT: 5.786 min Scan# 391
Delta R.T. -0.005 min
Lab File: BG050781.D
Acq: 29 Oct 2021 17:18

Tgt Ion:112 Resp: 287812
Ion Ratio Lower Upper
112 100
64 68.3 46.7 70.1
63 38.2 35.3 52.9

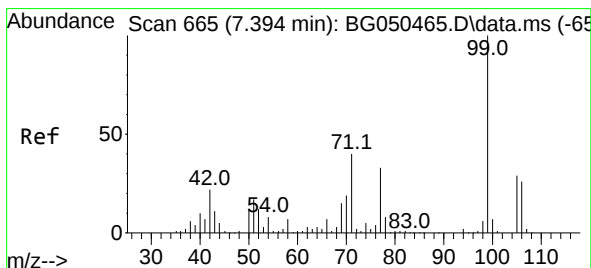
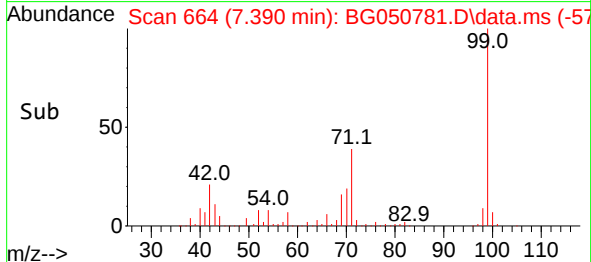
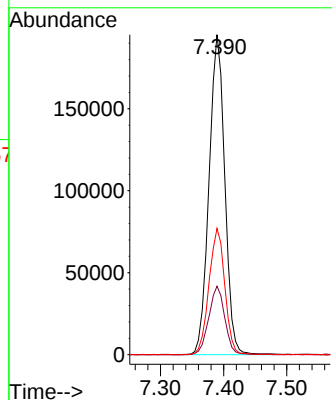
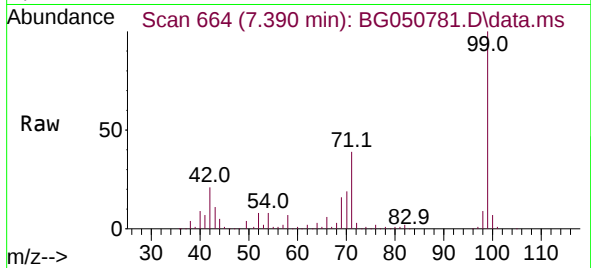




#7
Phenol-d6
Concen: 87.647 ng
RT: 7.390 min Scan# 664
Delta R.T. -0.011 min
Lab File: BG050781.D
Acq: 29 Oct 2021 17:18

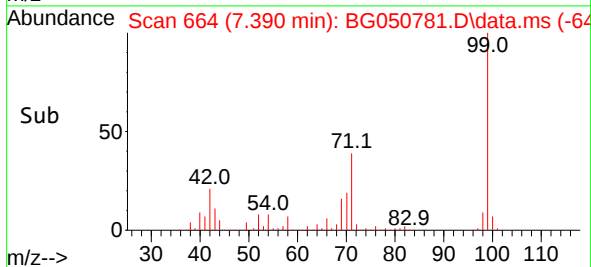
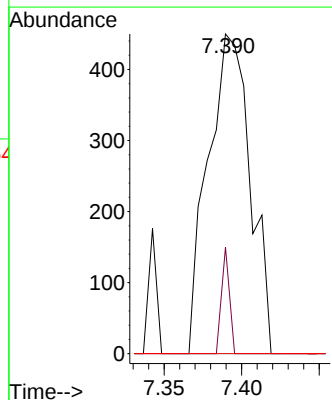
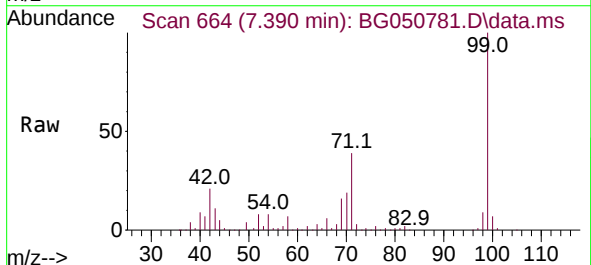
Instrument :
BNA_F
ClientSampleId :
WASTE-CHAR-(SUSPECT)

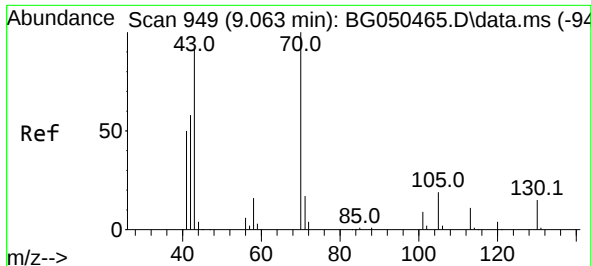
Tgt Ion: 99 Resp: 338173
Ion Ratio Lower Upper
99 100
42 21.4 20.5 30.7
71 39.5 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.390 min Scan# 664
Delta R.T. 0.001 min
Lab File: BG050781.D
Acq: 29 Oct 2021 17:18

Tgt Ion: 77 Resp: 853
Ion Ratio Lower Upper
77 100
105 33.3 68.8 108.8#
106 0.0 47.9 87.9#

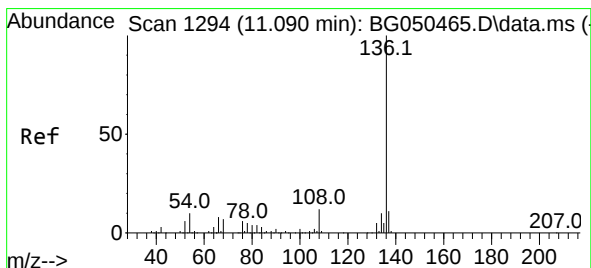
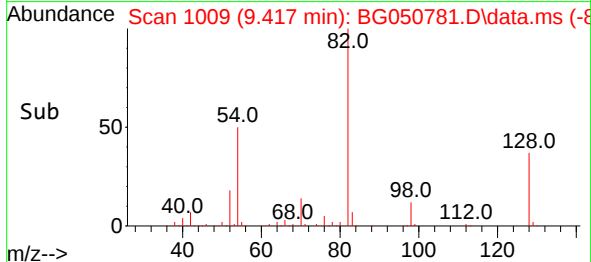
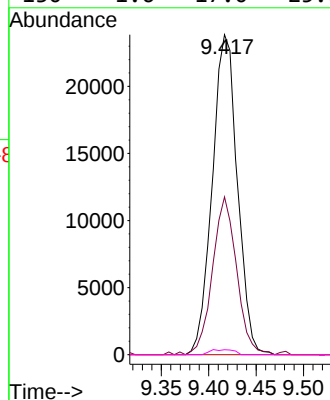
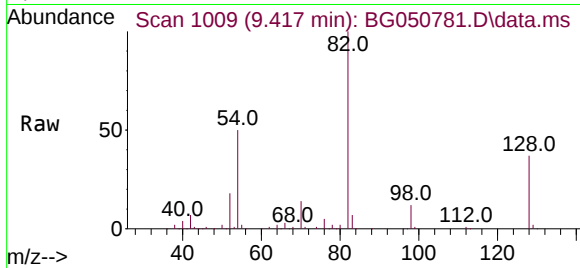




#19
n-Nitroso-di-n-propylamine
Concen: 15.638 ng
RT: 9.417 min Scan# 1009
Delta R.T. 0.359 min
Lab File: BG050781.D
Acq: 29 Oct 2021 17:18

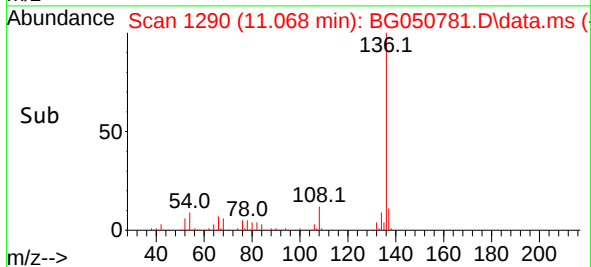
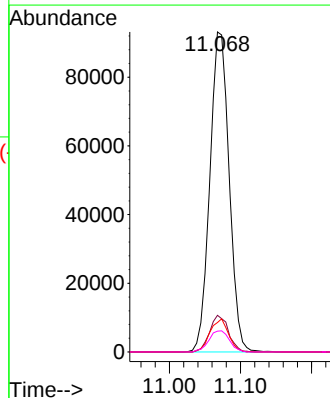
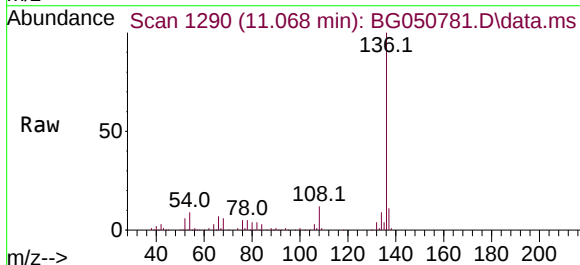
Instrument :
BNA_F
ClientSampleId :
WASTE-CHAR-(SUSPECT)

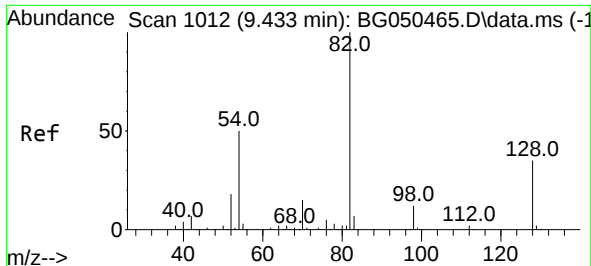
Tgt Ion: 70 Resp: 43979
Ion Ratio Lower Upper
70 100
42 49.3 54.5 81.7#
101 0.0 9.0 13.6#
130 1.6 17.0 25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.068 min Scan# 1290
Delta R.T. -0.017 min
Lab File: BG050781.D
Acq: 29 Oct 2021 17:18

Tgt Ion:136 Resp: 175446
Ion Ratio Lower Upper
136 100
137 11.5 8.2 12.2
54 9.2 5.5 8.3#
68 6.5 2.3 3.5#

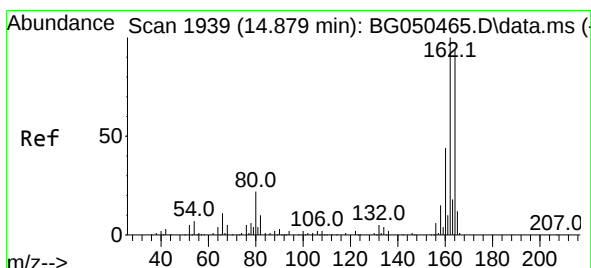
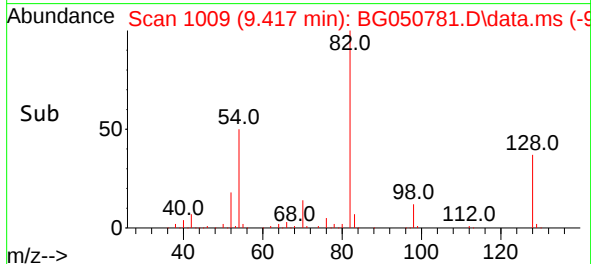
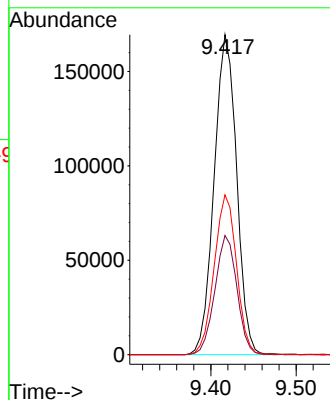
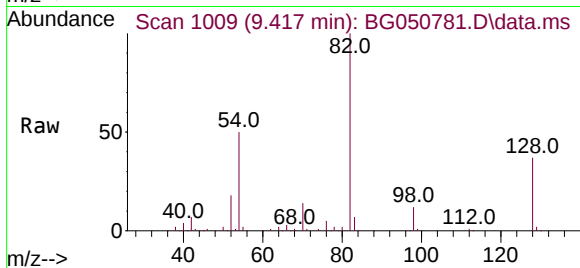




#23
Nitrobenzene-d5
Concen: 73.380 ng
RT: 9.417 min Scan# 1009
Delta R.T. -0.011 min
Lab File: BG050781.D
Acq: 29 Oct 2021 17:18

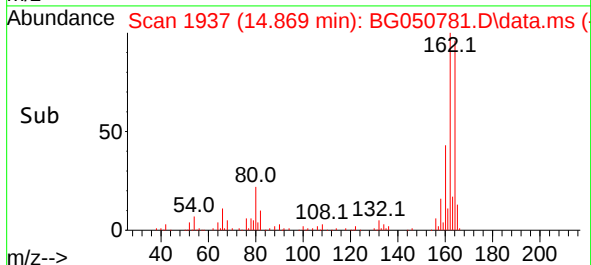
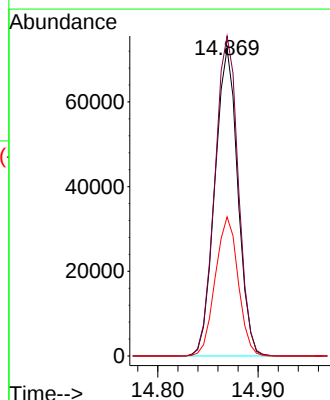
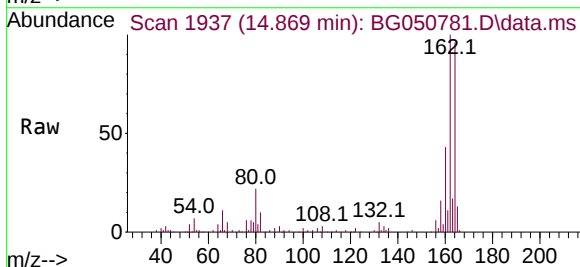
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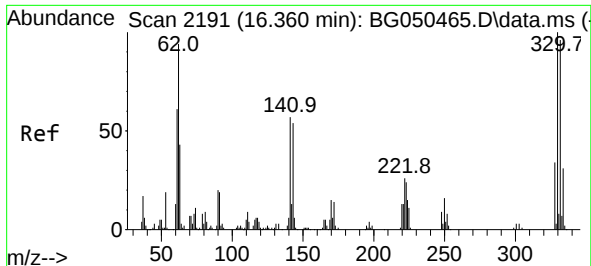
Tgt Ion: 82 Resp: 311004
Ion Ratio Lower Upper
82 100
128 37.3 29.8 44.6
54 49.9 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.869 min Scan# 1937
Delta R.T. -0.005 min
Lab File: BG050781.D
Acq: 29 Oct 2021 17:18

Tgt Ion:164 Resp: 115222
Ion Ratio Lower Upper
164 100
162 104.1 81.4 122.0
160 45.2 34.9 52.3

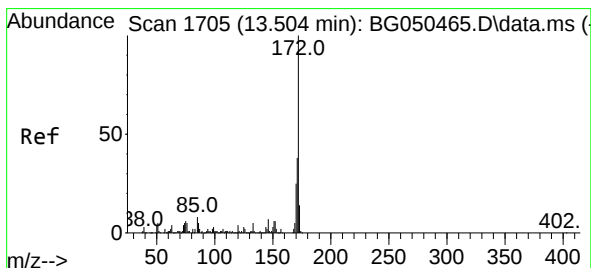
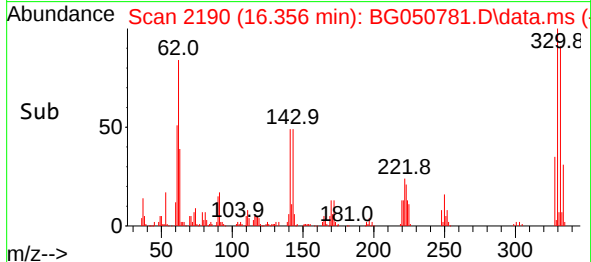
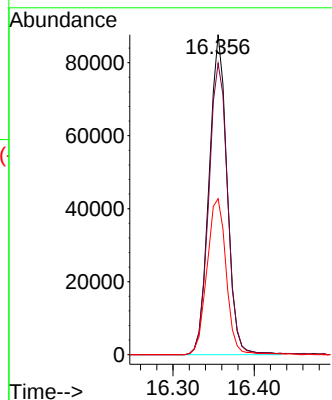
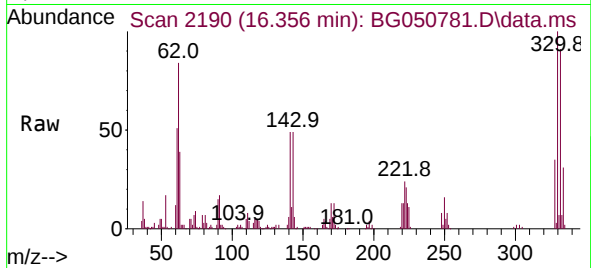




#42
2,4,6-Tribromophenol
Concen: 122.796 ng
RT: 16.356 min Scan# 2190
Delta R.T. -0.005 min
Lab File: BG050781.D
Acq: 29 Oct 2021 17:18

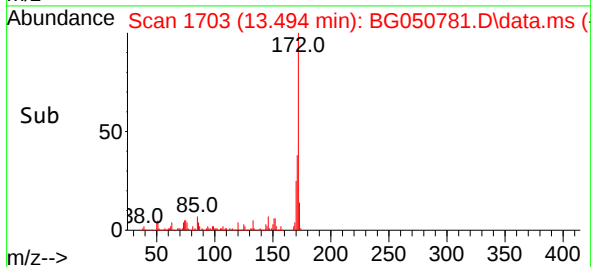
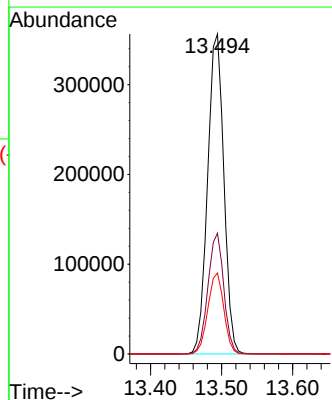
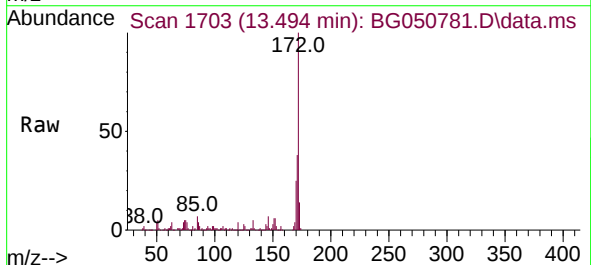
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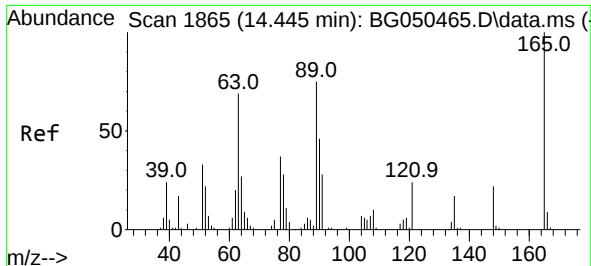
Tgt Ion:330 Resp: 134955
Ion Ratio Lower Upper
330 100
332 95.7 77.3 115.9
141 52.1 35.6 53.4



#45
2-Fluorobiphenyl
Concen: 74.029 ng
RT: 13.494 min Scan# 1703
Delta R.T. -0.011 min
Lab File: BG050781.D
Acq: 29 Oct 2021 17:18

Tgt Ion:172 Resp: 566753
Ion Ratio Lower Upper
172 100
171 37.8 28.6 43.0
170 25.3 18.6 27.8

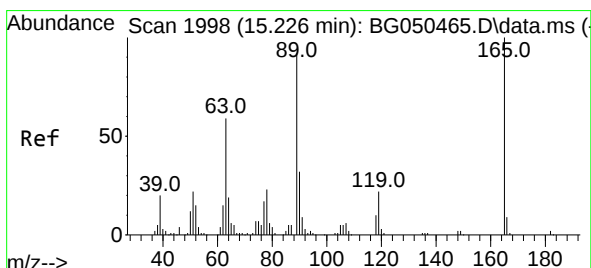
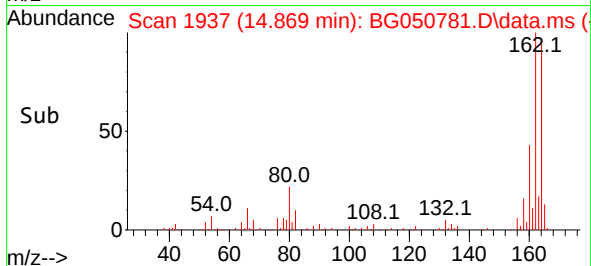
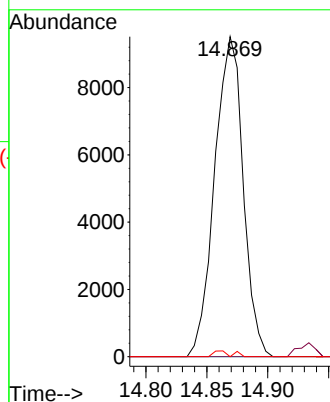
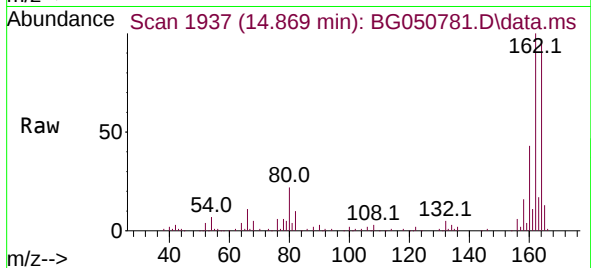




#51
2,6-Dinitrotoluene
Concen: 8.876 ng
RT: 14.869 min Scan# 1937
Delta R.T. 0.424 min
Lab File: BG050781.D
Acq: 29 Oct 2021 17:18

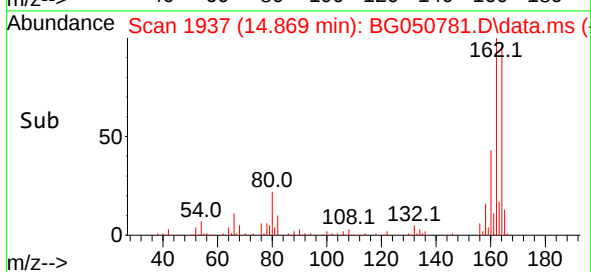
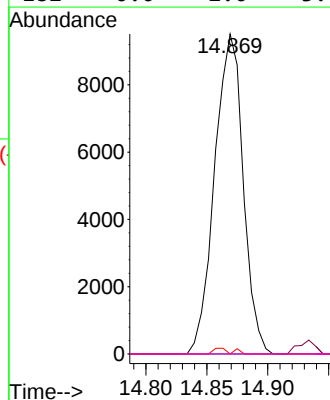
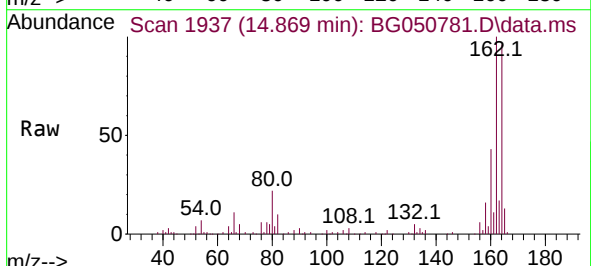
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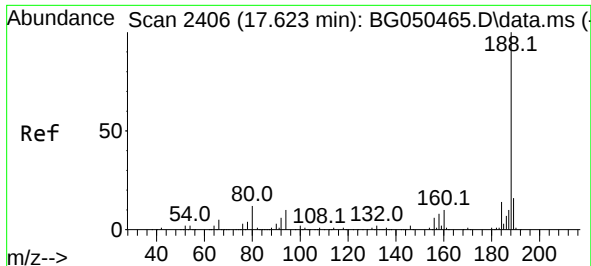
Tgt Ion:165 Resp: 15483
Ion Ratio Lower Upper
165 100
63 0.0 63.3 94.9#
89 0.0 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 6.297 ng
RT: 14.869 min Scan# 1937
Delta R.T. -0.358 min
Lab File: BG050781.D
Acq: 29 Oct 2021 17:18

Tgt Ion:165 Resp: 15483
Ion Ratio Lower Upper
165 100
63 0.0 48.0 72.0#
89 0.0 65.4 98.0#
182 0.0 2.0 3.0#

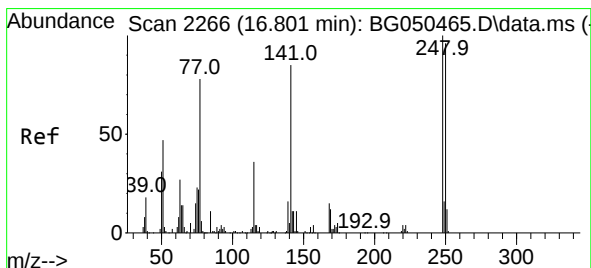
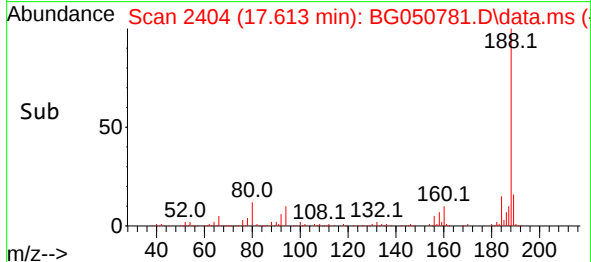
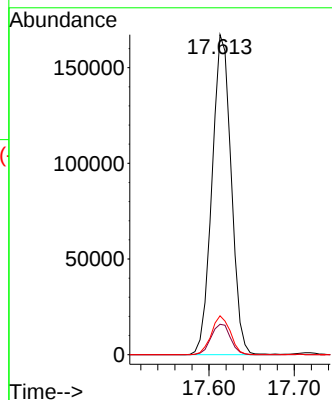
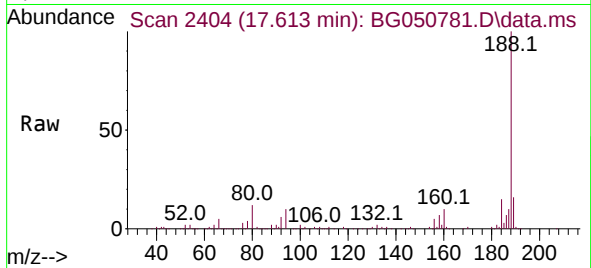




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.613 min Scan# 2404
Delta R.T. -0.005 min
Lab File: BG050781.D
Acq: 29 Oct 2021 17:18

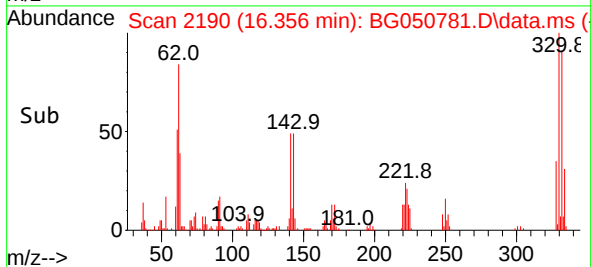
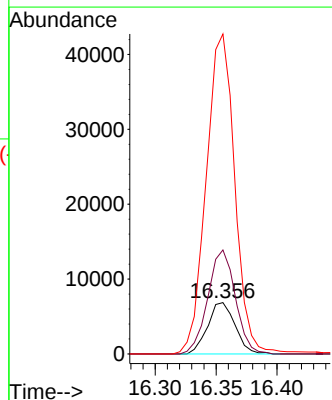
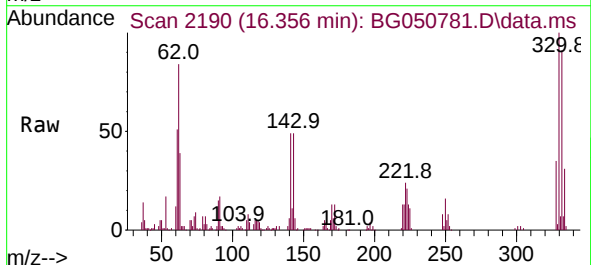
Instrument :
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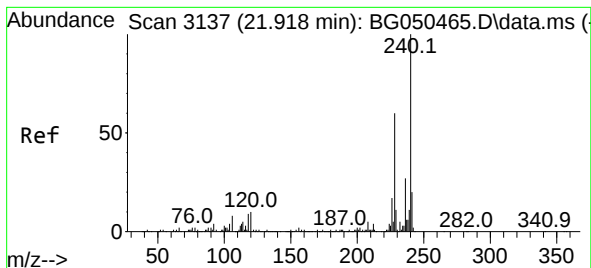
Tgt Ion:188 Resp: 261699
Ion Ratio Lower Upper
188 100
94 9.5 5.4 8.0#
80 12.1 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 4.083 ng
RT: 16.356 min Scan# 2190
Delta R.T. -0.446 min
Lab File: BG050781.D
Acq: 29 Oct 2021 17:18

Tgt Ion:248 Resp: 10768
Ion Ratio Lower Upper
248 100
250 202.3 76.1 114.1#
141 622.1 65.4 98.2#

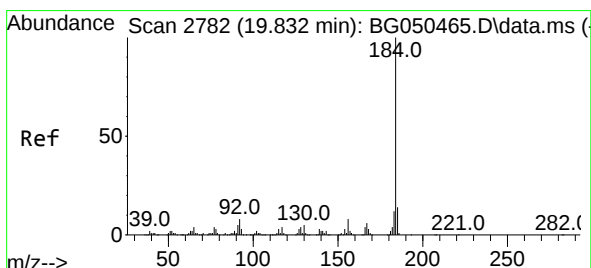
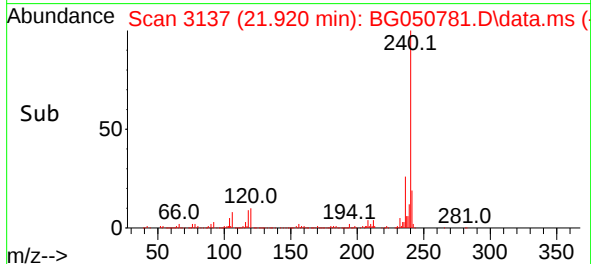
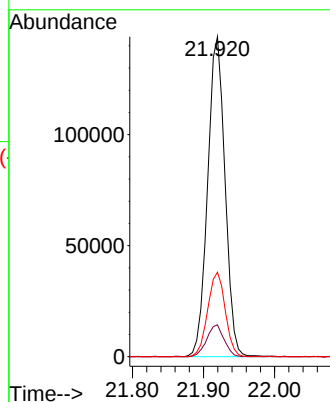
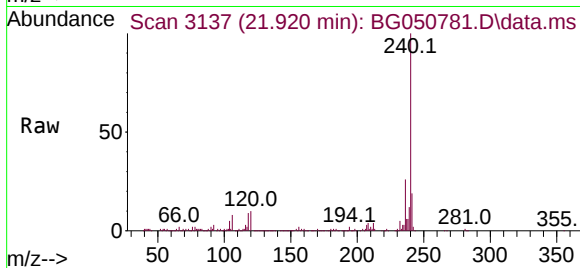




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.920 min Scan# 3137
Delta R.T. -0.005 min
Lab File: BG050781.D
Acq: 29 Oct 2021 17:18

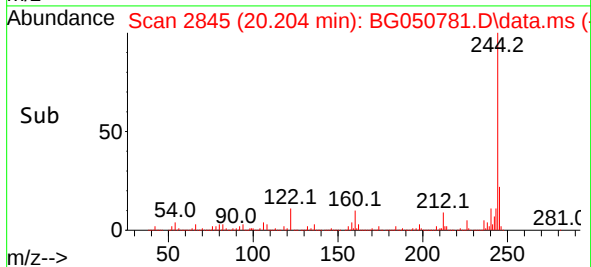
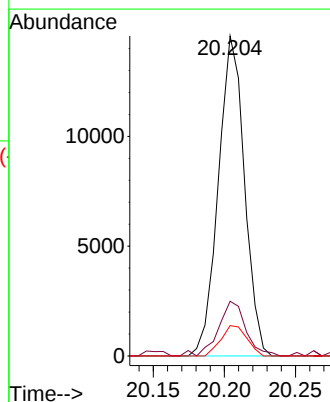
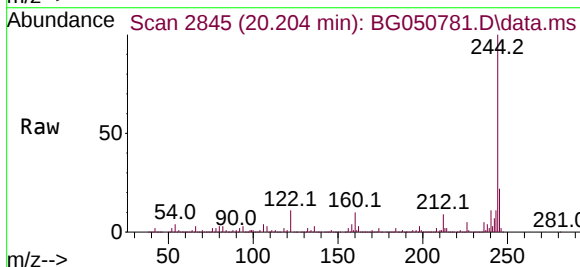
Instrument :
BNA_F
ClientSampleId :
WASTE-CHAR-(SUSPECT)

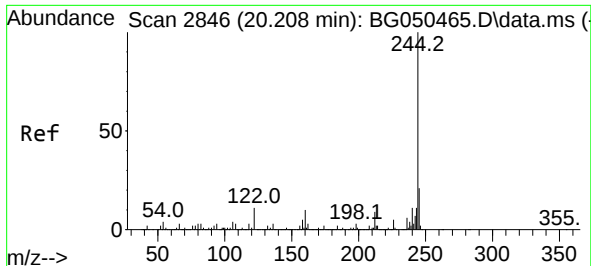
Tgt Ion:240 Resp: 244600
Ion Ratio Lower Upper
240 100
120 9.9 4.2 6.2#
236 26.4 21.8 32.6



#77
Benzidine
Concen: 2.347 ng
RT: 20.204 min Scan# 2845
Delta R.T. 0.371 min
Lab File: BG050781.D
Acq: 29 Oct 2021 17:18

Tgt Ion:184 Resp: 18605
Ion Ratio Lower Upper
184 100
185 17.1 10.7 16.1#
183 9.5 9.4 14.0

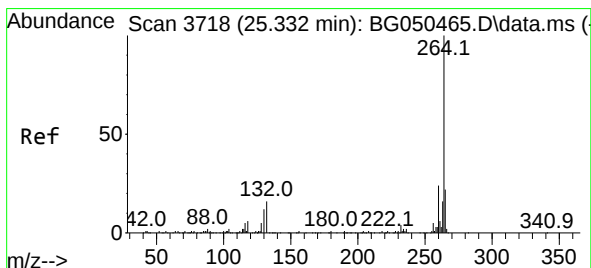
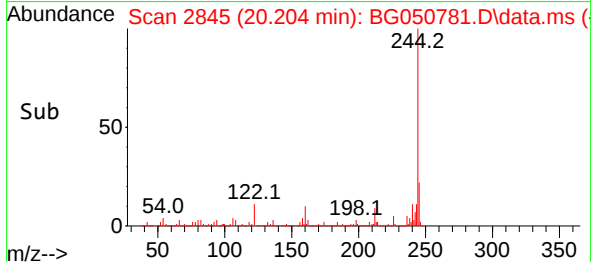
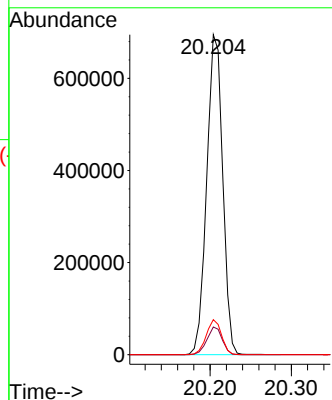
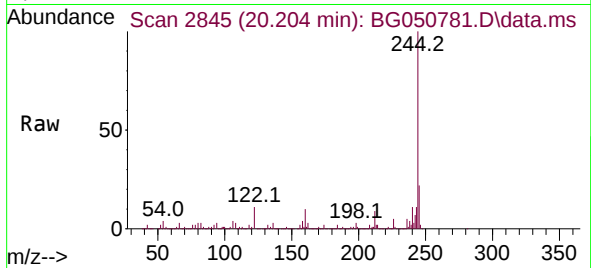




#79
 Terphenyl-d14
 Concen: 75.410 ng
 RT: 20.204 min Scan# 2845
 Delta R.T. -0.005 min
 Lab File: BG050781.D
 Acq: 29 Oct 2021 17:18

Instrument :
 BNA_F
 ClientSampleId :
 WASTE-CHAR-(SUSPECT)

Tgt Ion:244 Resp: 946483
 Ion Ratio Lower Upper
 244 100
 212 8.7 6.9 10.3
 122 11.0 5.0 7.6#



#86
 Perylene-d12
 Concen: 20.000 ng
 RT: 25.339 min Scan# 3719
 Delta R.T. 0.007 min
 Lab File: BG050781.D
 Acq: 29 Oct 2021 17:18

Tgt Ion:264 Resp: 236665
 Ion Ratio Lower Upper
 264 100
 260 25.1 19.4 29.2
 265 21.7 16.9 25.3

