

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG040524\
 Data File : BG060798.D
 Acq On : 5 Apr 2024 16:23
 Operator : MA/JU
 Sample : P1999-02
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 THO-CONCRETE-02

Quant Time: Apr 05 16:59:06 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG032924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Mar 30 03:12:26 2024
 Response via : Initial Calibration

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

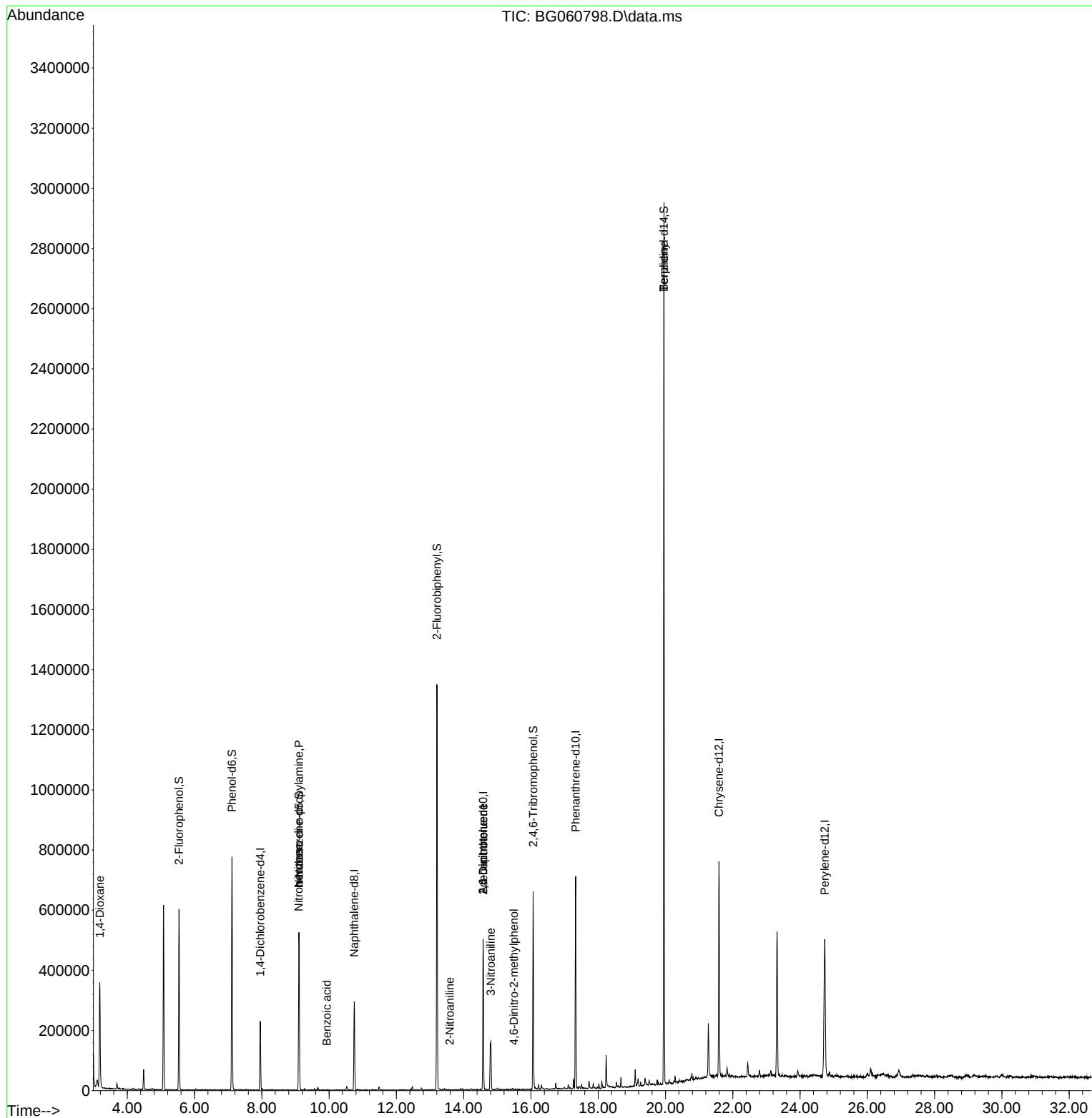
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.953	152	62234	20.000	ng	0.00
21) Naphthalene-d8	10.750	136	237046	20.000	ng	0.00
39) Acenaphthene-d10	14.580	164	182153	20.000	ng	0.00
64) Phenanthrene-d10	17.330	188	447341	20.000	ng	0.00
76) Chrysene-d12	21.590	240	422711	20.000	ng	-0.01
86) Perylene-d12	24.733	264	498702	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.538	112	231406	61.943	ng	0.00
7) Phenol-d6	7.113	99	397112	71.612	ng	0.00
23) Nitrobenzene-d5	9.104	82	283873	68.334	ng	0.00
42) 2,4,6-Tribromophenol	16.067	330	127224	61.528	ng	0.00
45) 2-Fluorobiphenyl	13.206	172	709196	57.141	ng	-0.01
79) Terphenyl-d14	19.956	244	1464934	61.023	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.182	88	3780	2.468	ng	# 1
19) n-Nitroso-di-n-propyla...	9.104	70	40221	9.511	ng	# 70
24) Nitrobenzene	9.099	77	1229	3.023	ng	# 43
32) Benzoic acid	9.933	122	67	6.859	ng	# 1
48) 2-Nitroaniline	13.587	65	60	2.811	ng	# 11
51) 2,6-Dinitrotoluene	14.580	165	23257	11.859	ng	# 19
53) 3-Nitroaniline	14.810	138	2318	3.622	ng	# 1
57) 2,4-Dinitrotoluene	14.580	165	23257	9.986	ng	# 20
65) 4,6-Dinitro-2-methylph...	15.497	198	53	7.058	ng	# 28
77) Benzidine	19.956	184	22801	2.048	ng	# 95

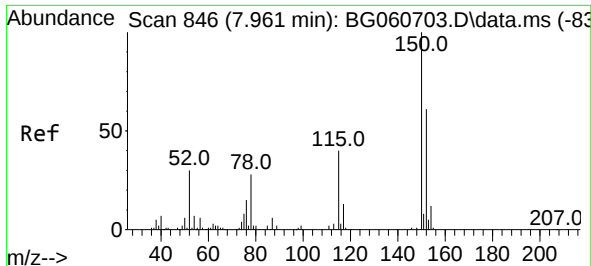
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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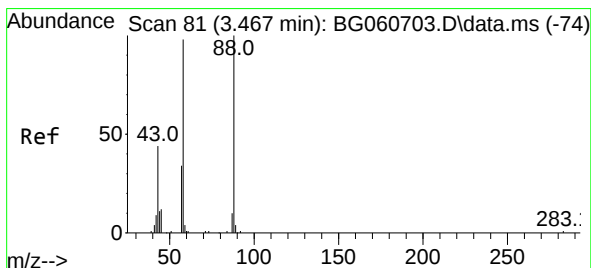
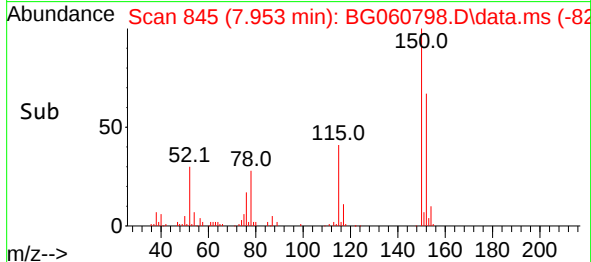
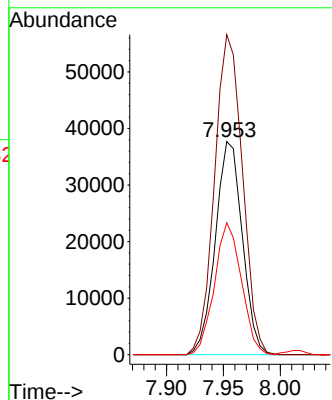
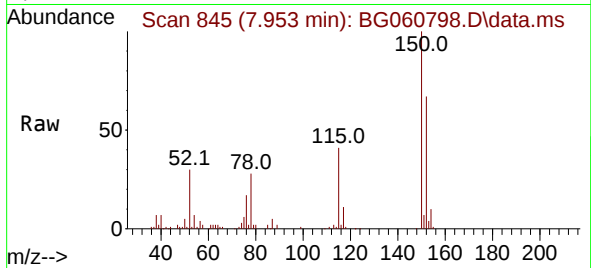




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 7.953 min Scan# 84
 Delta R.T. -0.008 min
 Lab File: BG060798.D
 Acq: 5 Apr 2024 16:23

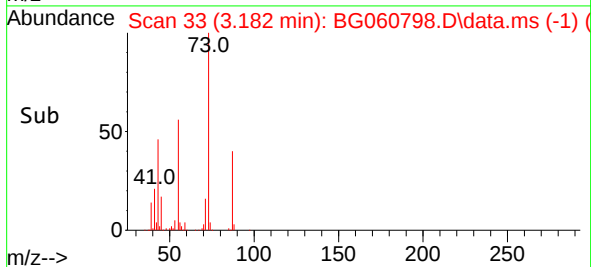
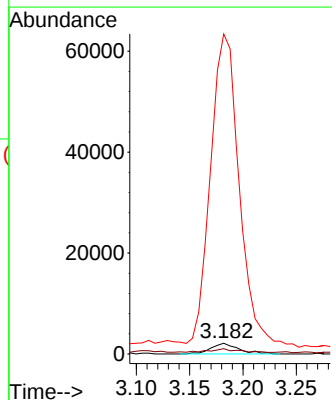
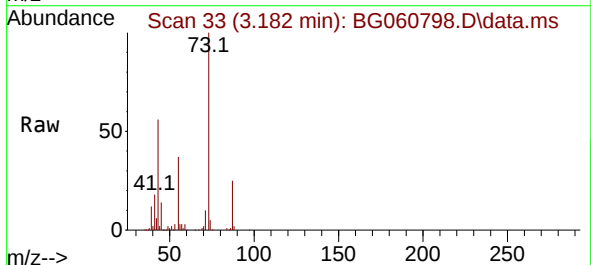
Instrument :
 BNA_G
 ClientSampleId :
 THO-CONCRETE-02

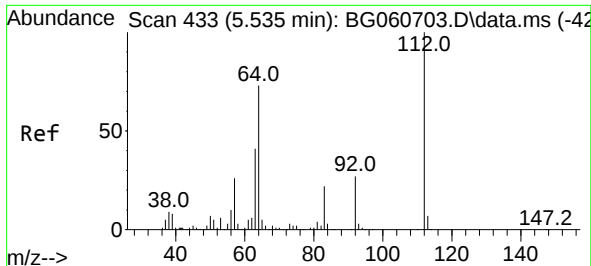
Tgt Ion:152 Resp: 62234
 Ion Ratio Lower Upper
 152 100
 150 150.1 130.2 195.4
 115 61.9 51.6 77.4



#2
 1,4-Dioxane
 Concen: 2.468 ng
 RT: 3.182 min Scan# 33
 Delta R.T. -0.285 min
 Lab File: BG060798.D
 Acq: 5 Apr 2024 16:23

Tgt Ion: 88 Resp: 3780
 Ion Ratio Lower Upper
 88 100
 58 35.4 80.9 121.3#
 43 3088.8 35.4 53.0#

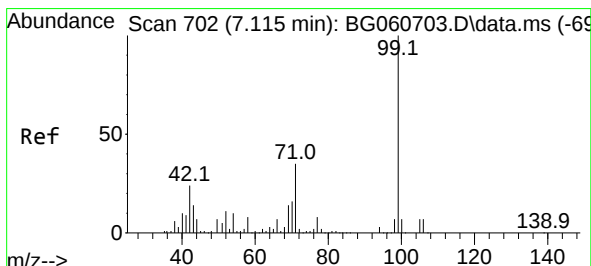
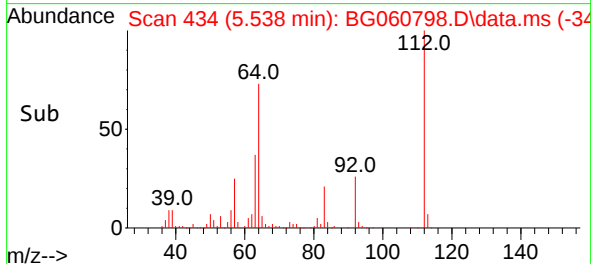
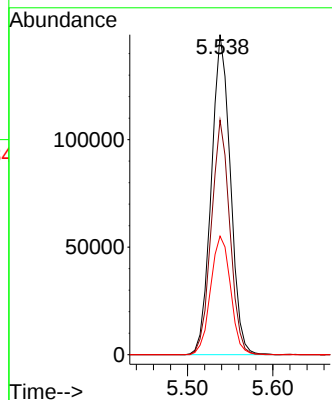
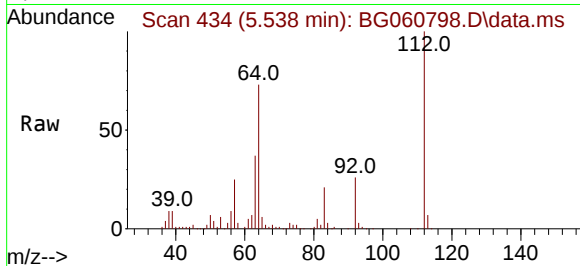




#5
2-Fluorophenol
Concen: 61.943 ng
RT: 5.538 min Scan# 41
Delta R.T. 0.003 min
Lab File: BG060798.D
Acq: 5 Apr 2024 16:23

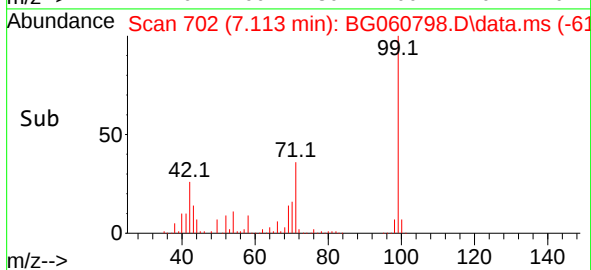
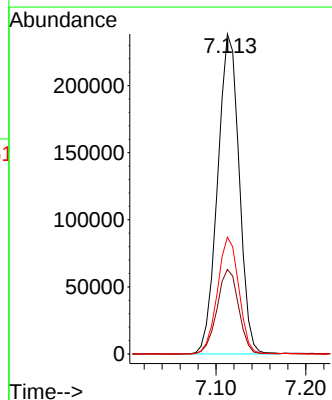
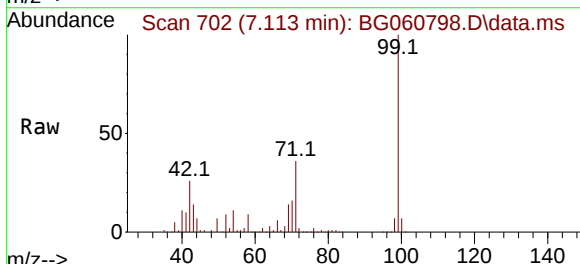
Instrument :
BNA_G
ClientSampleId :
THO-CONCRETE-02

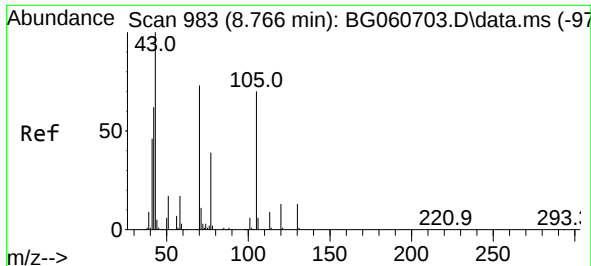
Tgt Ion:112 Resp: 231406
Ion Ratio Lower Upper
112 100
64 73.3 58.4 87.6
63 37.0 32.7 49.1



#7
Phenol-d6
Concen: 71.612 ng
RT: 7.113 min Scan# 702
Delta R.T. -0.003 min
Lab File: BG060798.D
Acq: 5 Apr 2024 16:23

Tgt Ion: 99 Resp: 397112
Ion Ratio Lower Upper
99 100
42 26.4 19.4 29.2
71 36.5 28.2 42.2

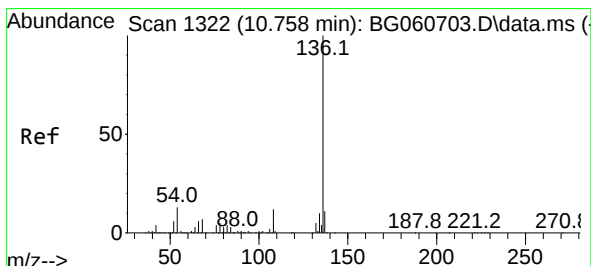
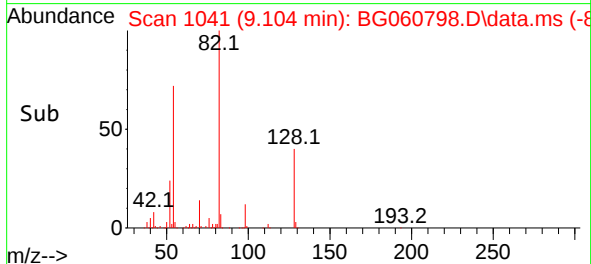
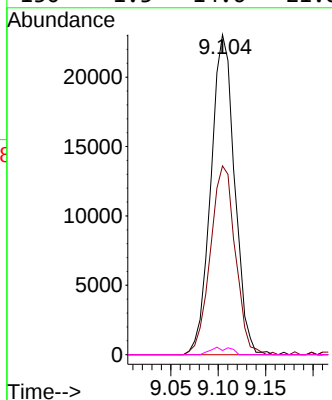
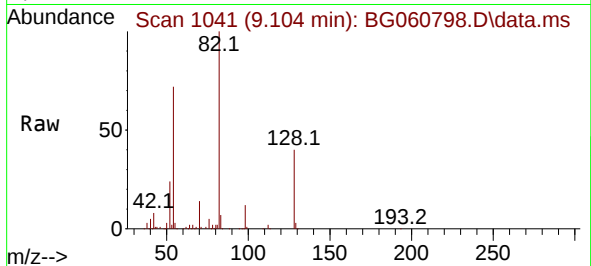




#19
n-Nitroso-di-n-propylamine
Concen: 9.511 ng
RT: 9.104 min Scan# 1041
Delta R.T. 0.338 min
Lab File: BG060798.D
Acq: 5 Apr 2024 16:23

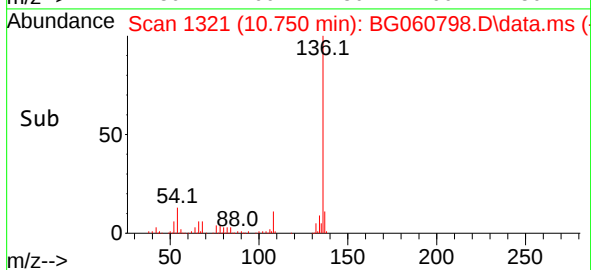
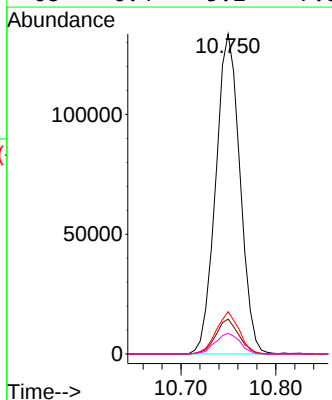
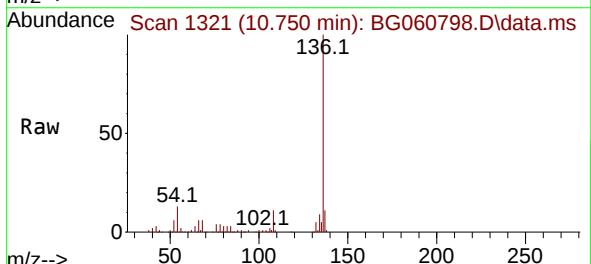
Instrument :
BNA_G
ClientSampleId :
THO-CONCRETE-02

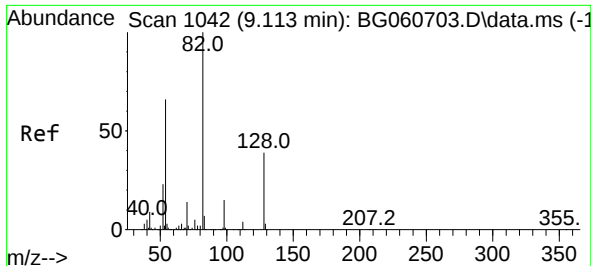
Tgt Ion: 70 Resp: 40221
Ion Ratio Lower Upper
70 100
42 59.0 68.4 102.6#
101 0.0 6.1 9.1#
130 1.3 14.6 21.8#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.750 min Scan# 1321
Delta R.T. -0.008 min
Lab File: BG060798.D
Acq: 5 Apr 2024 16:23

Tgt Ion:136 Resp: 237046
Ion Ratio Lower Upper
136 100
137 10.9 8.8 13.2
54 13.2 10.2 15.2
68 6.4 5.2 7.8





#23

Nitrobenzene-d5

Concen: 68.334 ng

RT: 9.104 min Scan# 1041

Delta R.T. -0.009 min

Lab File: BG060798.D

Acq: 5 Apr 2024 16:23

Instrument :

BNA_G

ClientSampleId :

THO-CONCRETE-02

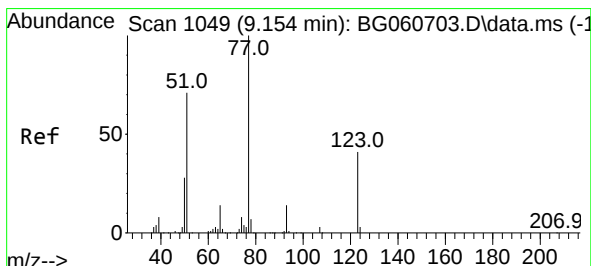
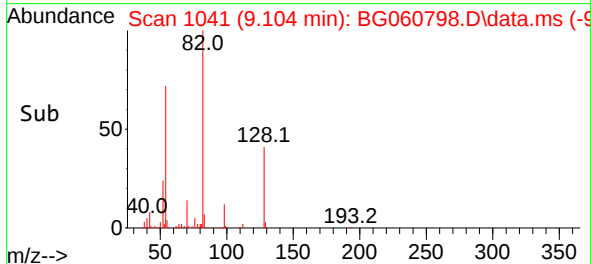
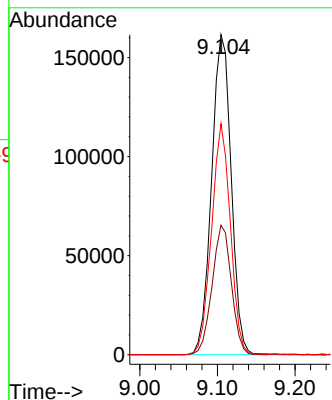
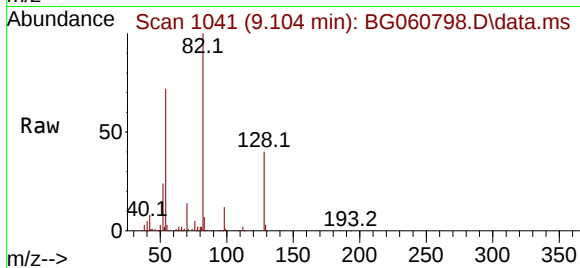
Tgt Ion: 82 Resp: 283873

Ion Ratio Lower Upper

82 100

128 40.5 31.2 46.8

54 72.2 53.2 79.8



#24

Nitrobenzene

Concen: 3.023 ng

RT: 9.099 min Scan# 1040

Delta R.T. -0.055 min

Lab File: BG060798.D

Acq: 5 Apr 2024 16:23

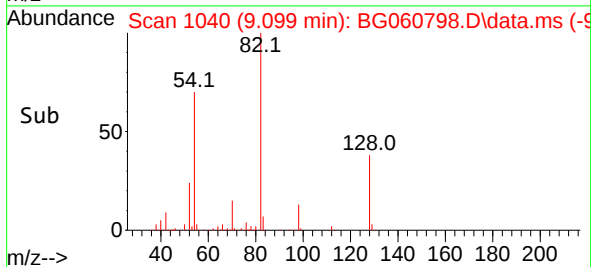
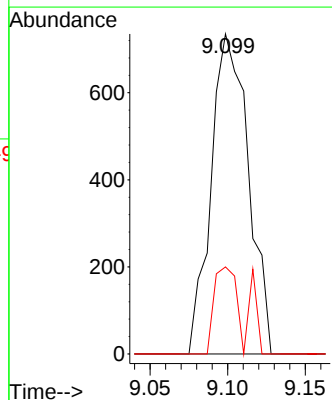
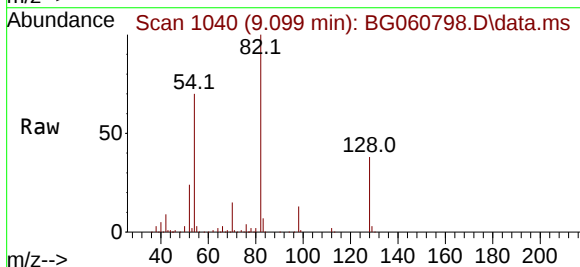
Tgt Ion: 77 Resp: 1229

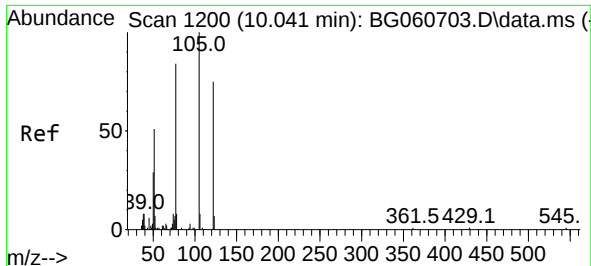
Ion Ratio Lower Upper

77 100

123 0.0 32.7 49.1#

65 27.2 11.3 16.9#

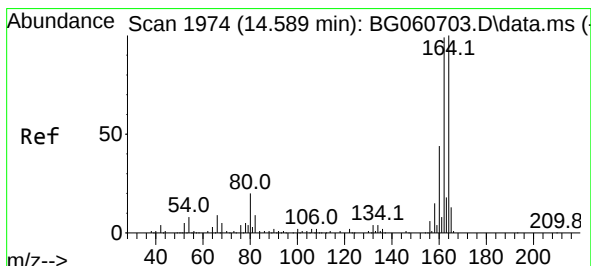
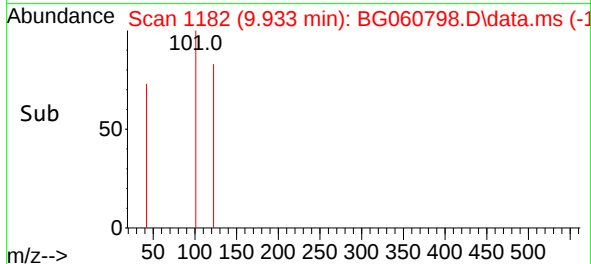
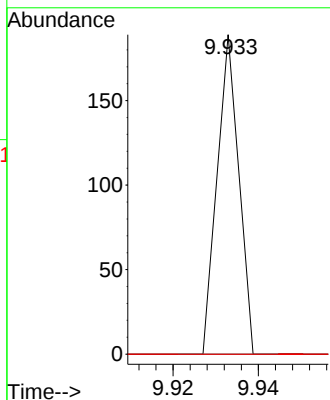
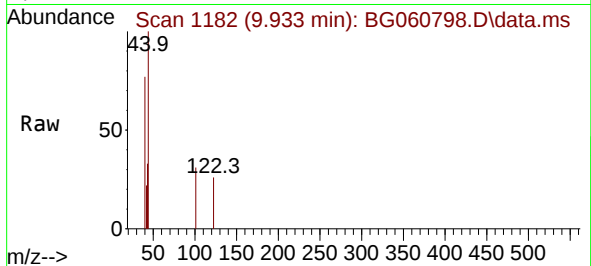




#32
Benzoic acid
Concen: 6.859 ng
RT: 9.933 min Scan# 11
Delta R.T. -0.108 min
Lab File: BG060798.D
Acq: 5 Apr 2024 16:23

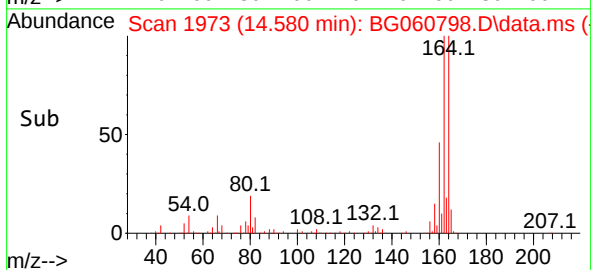
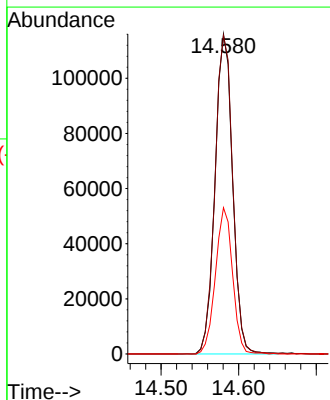
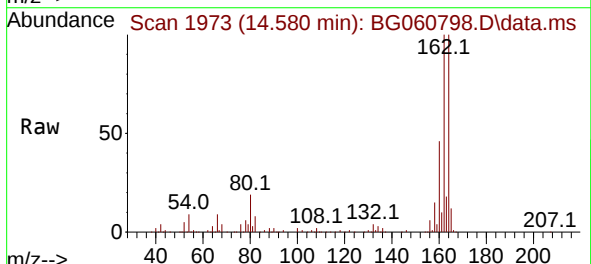
Instrument :
BNA_G
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THO-CONCRETE-02

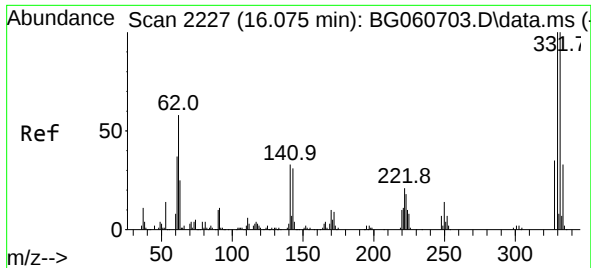
Tgt Ion:122 Resp: 67
Ion Ratio Lower Upper
122 100
105 0.0 104.5 144.5#
77 0.0 85.3 125.3#



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.580 min Scan# 1973
Delta R.T. -0.009 min
Lab File: BG060798.D
Acq: 5 Apr 2024 16:23

Tgt Ion:164 Resp: 182153
Ion Ratio Lower Upper
164 100
162 99.5 79.5 119.3
160 45.7 35.4 53.0

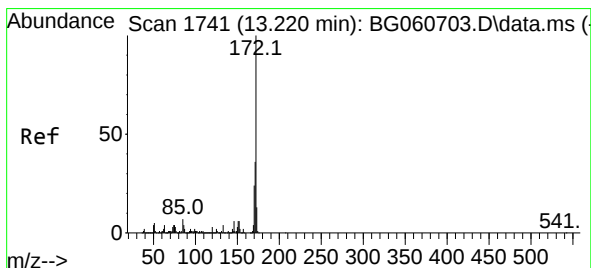
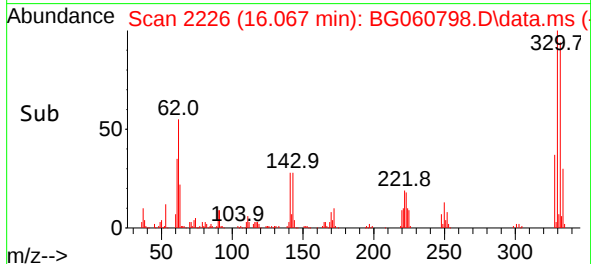
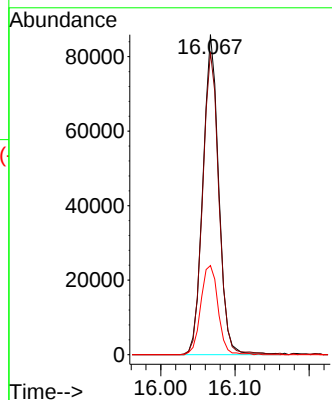
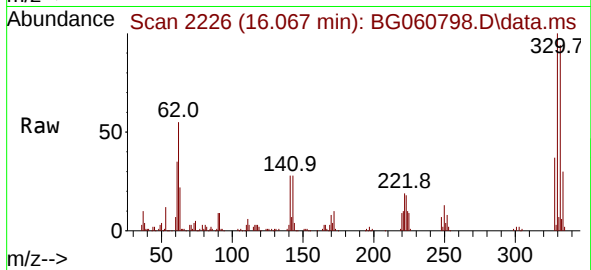




#42
2,4,6-Tribromophenol
Concen: 61.528 ng
RT: 16.067 min Scan# 21
Delta R.T. -0.009 min
Lab File: BG060798.D
Acq: 5 Apr 2024 16:23

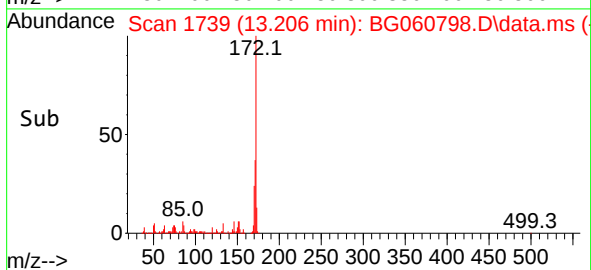
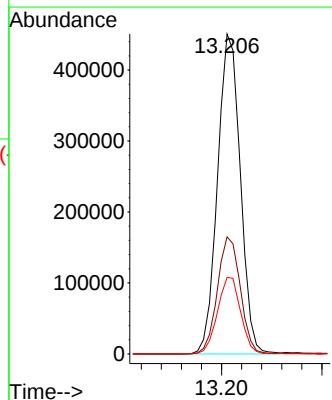
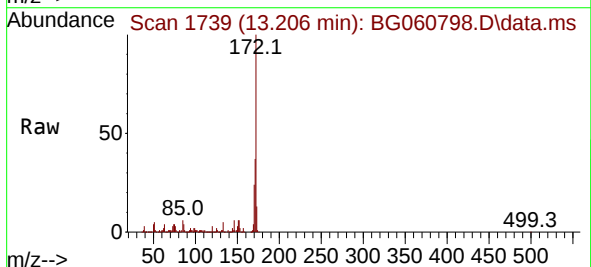
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THO-CONCRETE-02

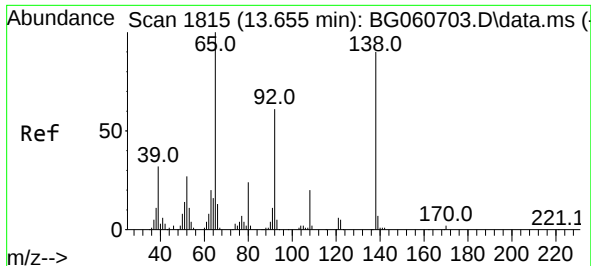
Tgt Ion:330 Resp: 127224
Ion Ratio Lower Upper
330 100
332 96.9 78.2 117.4
141 30.4 27.0 40.6



#45
2-Fluorobiphenyl
Concen: 57.141 ng
RT: 13.206 min Scan# 1739
Delta R.T. -0.014 min
Lab File: BG060798.D
Acq: 5 Apr 2024 16:23

Tgt Ion:172 Resp: 709196
Ion Ratio Lower Upper
172 100
171 36.6 28.7 43.1
170 23.9 19.4 29.0

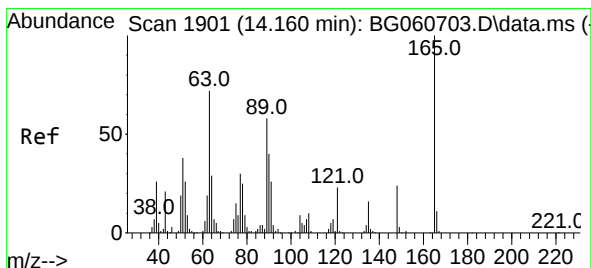
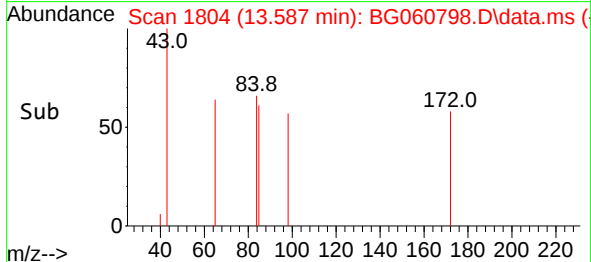
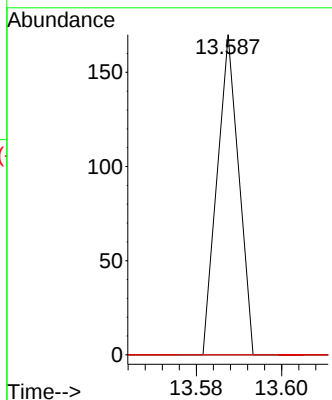
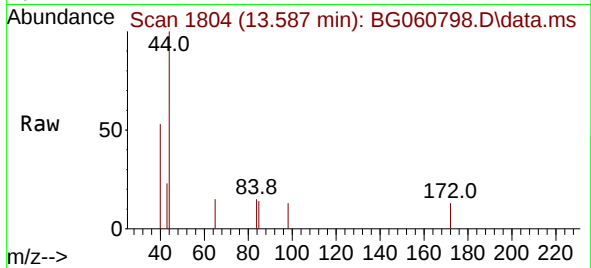




#48
2-Nitroaniline
Concen: 2.811 ng
RT: 13.587 min Scan# 11
Delta R.T. -0.068 min
Lab File: BG060798.D
Acq: 5 Apr 2024 16:23

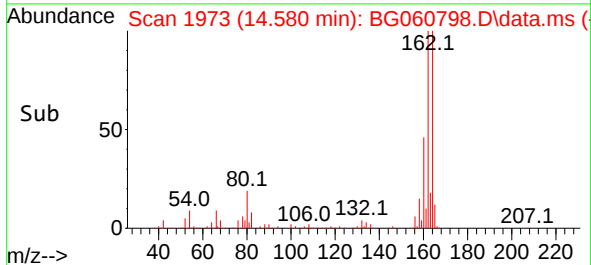
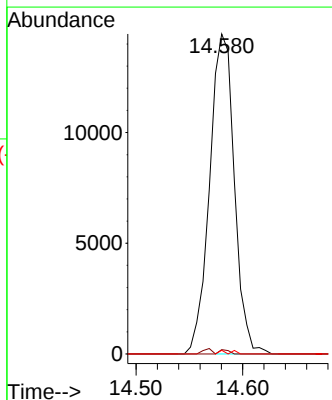
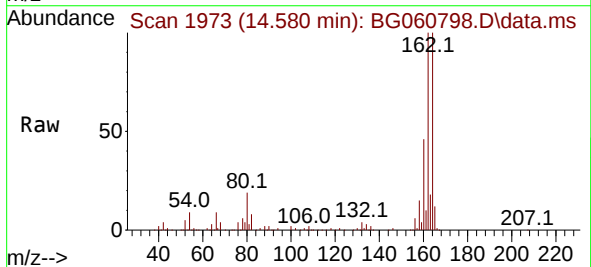
Instrument :
BNA_G
ClientSampleId :
THO-CONCRETE-02

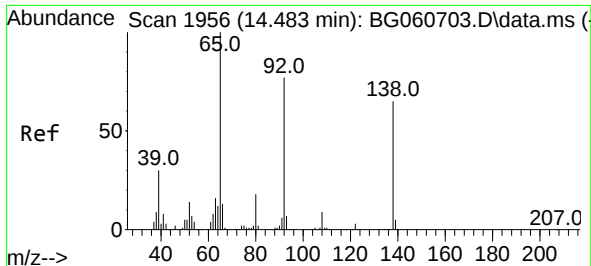
Tgt Ion: 65 Resp: 60
Ion Ratio Lower Upper
65 100
92 0.0 48.6 72.8#
138 0.0 72.2 108.4#



#51
2,6-Dinitrotoluene
Concen: 11.859 ng
RT: 14.580 min Scan# 1973
Delta R.T. 0.420 min
Lab File: BG060798.D
Acq: 5 Apr 2024 16:23

Tgt Ion:165 Resp: 23257
Ion Ratio Lower Upper
165 100
63 1.3 58.2 87.4#
89 1.1 46.1 69.1#

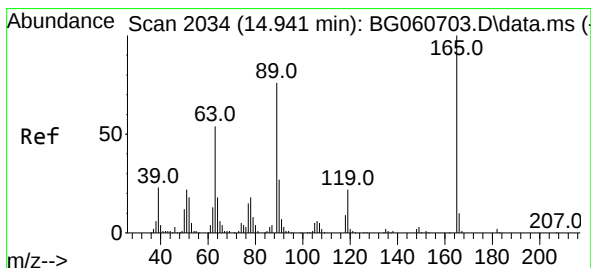
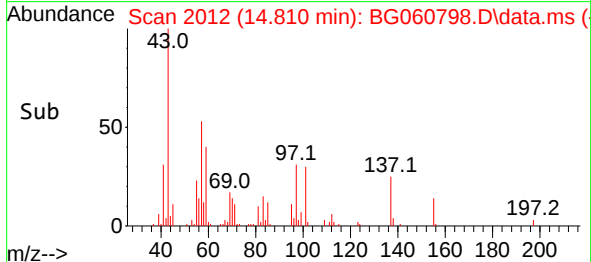
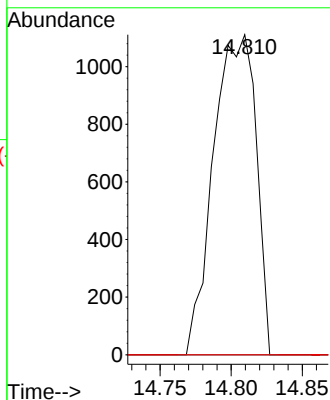
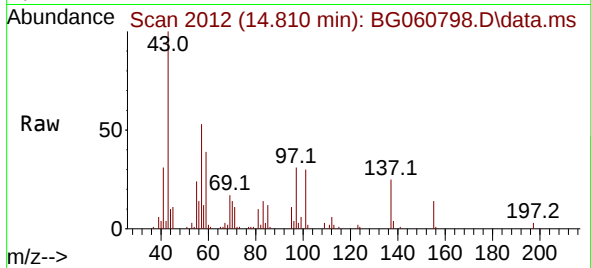




#53
3-Nitroaniline
Concen: 3.622 ng
RT: 14.810 min Scan# 2012
Delta R.T. 0.327 min
Lab File: BG060798.D
Acq: 5 Apr 2024 16:23

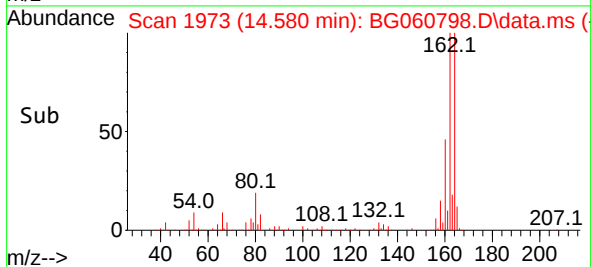
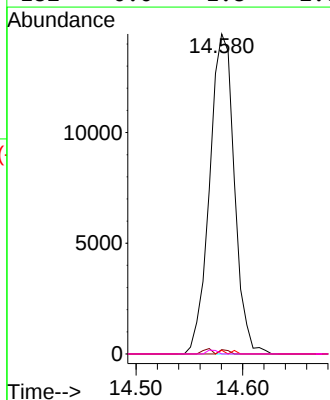
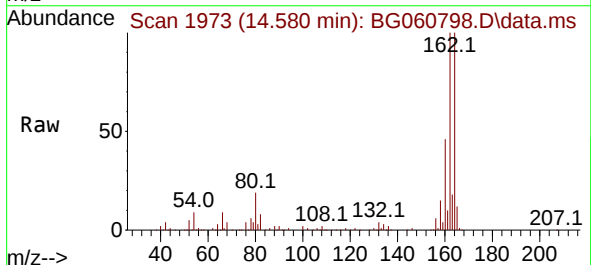
Instrument :
BNA_G
ClientSampleId :
THO-CONCRETE-02

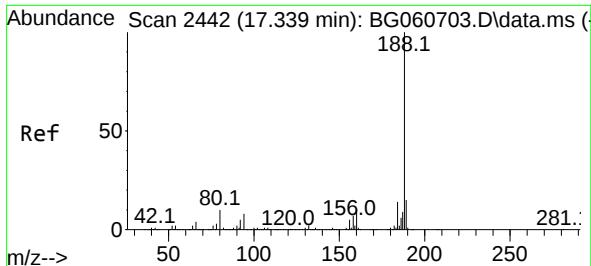
Tgt Ion:138 Resp: 2318
Ion Ratio Lower Upper
138 100
108 0.0 11.3 16.9#
92 0.0 94.1 141.1#



#57
2,4-Dinitrotoluene
Concen: 9.986 ng
RT: 14.580 min Scan# 1973
Delta R.T. -0.361 min
Lab File: BG060798.D
Acq: 5 Apr 2024 16:23

Tgt Ion:165 Resp: 23257
Ion Ratio Lower Upper
165 100
63 1.3 43.4 65.0#
89 1.1 61.0 91.6#
182 0.0 1.8 2.6#

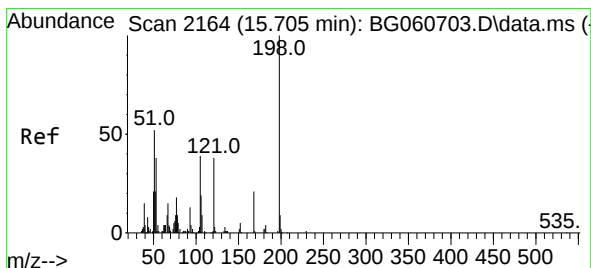
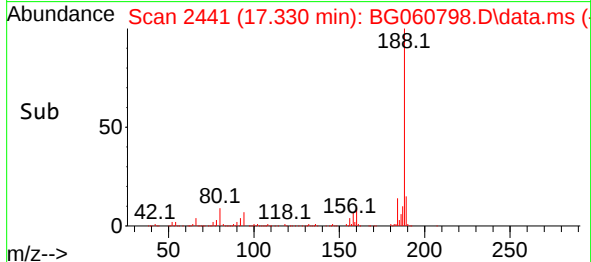
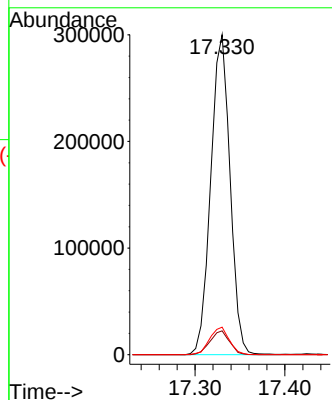
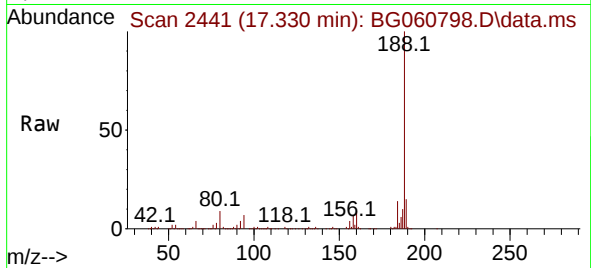




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.330 min Scan# 2442
Delta R.T. -0.009 min
Lab File: BG060798.D
Acq: 5 Apr 2024 16:23

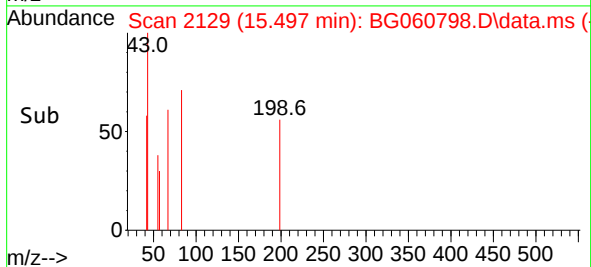
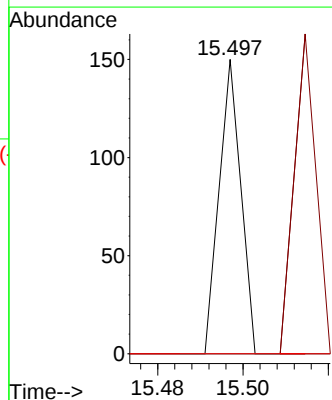
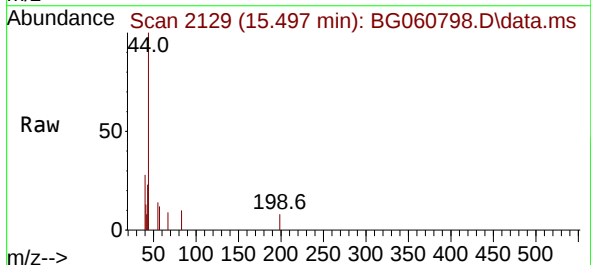
Instrument :
BNA_G
ClientSampleId :
THO-CONCRETE-02

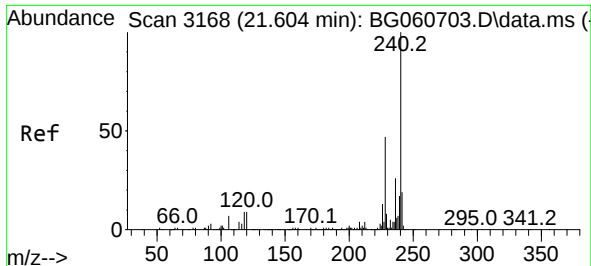
Tgt Ion:188 Resp: 447341
Ion Ratio Lower Upper
188 100
94 7.4 6.6 9.8
80 8.6 7.6 11.4



#65
4,6-Dinitro-2-methylphenol
Concen: 7.058 ng
RT: 15.497 min Scan# 2129
Delta R.T. -0.208 min
Lab File: BG060798.D
Acq: 5 Apr 2024 16:23

Tgt Ion:198 Resp: 53
Ion Ratio Lower Upper
198 100
51 0.0 36.7 76.7#
105 0.0 19.1 59.1#

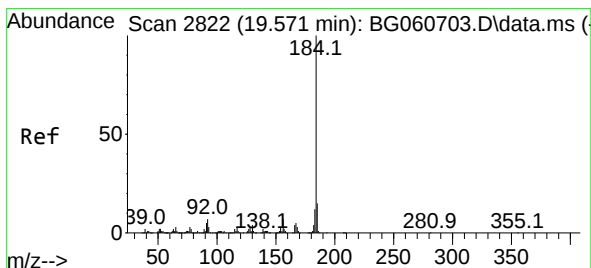
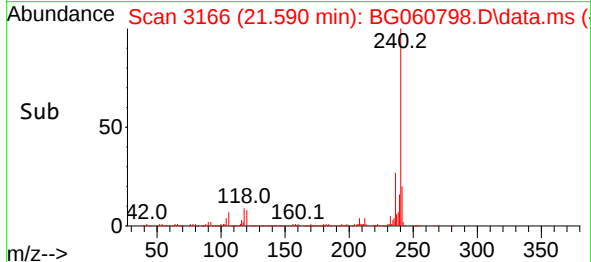
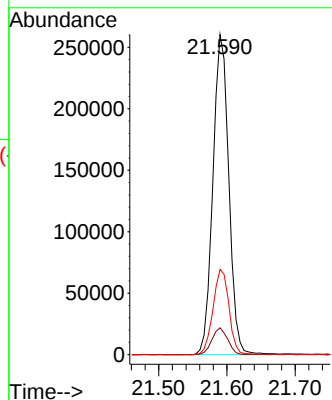
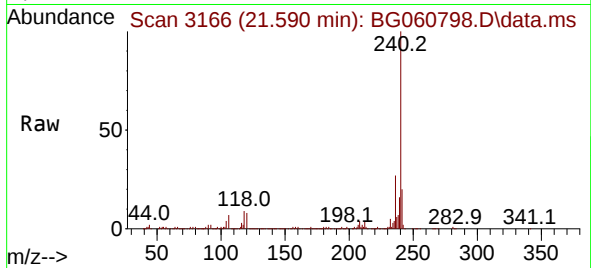




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.590 min Scan# 3166
Delta R.T. -0.014 min
Lab File: BG060798.D
Acq: 5 Apr 2024 16:23

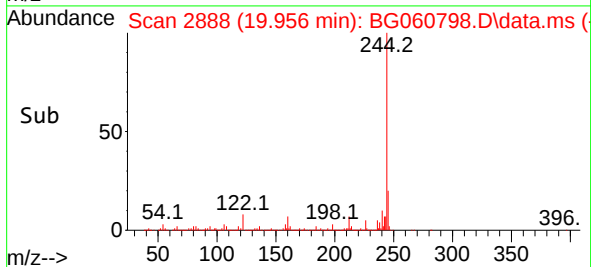
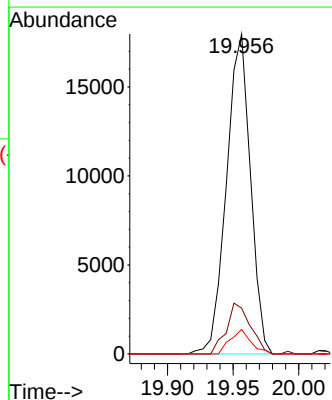
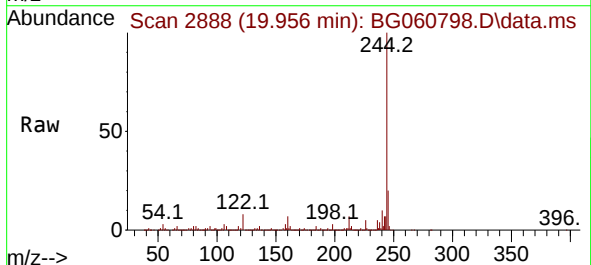
Instrument :
BNA_G
ClientSampleId :
THO-CONCRETE-02

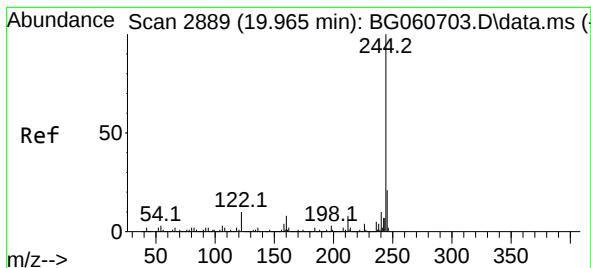
Tgt Ion:240 Resp: 422711
Ion Ratio Lower Upper
240 100
120 8.4 7.1 10.7
236 26.6 20.7 31.1



#77
Benzidine
Concen: 2.048 ng
RT: 19.956 min Scan# 2888
Delta R.T. 0.385 min
Lab File: BG060798.D
Acq: 5 Apr 2024 16:23

Tgt Ion:184 Resp: 22801
Ion Ratio Lower Upper
184 100
185 14.3 11.8 17.6
183 7.6 9.5 14.3#





#79

Terphenyl-d14

Concen: 61.023 ng

RT: 19.956 min Scan# 21

Delta R.T. -0.009 min

Lab File: BG060798.D

Acq: 5 Apr 2024 16:23

Instrument :

BNA_G

ClientSampleId :

THO-CONCRETE-02

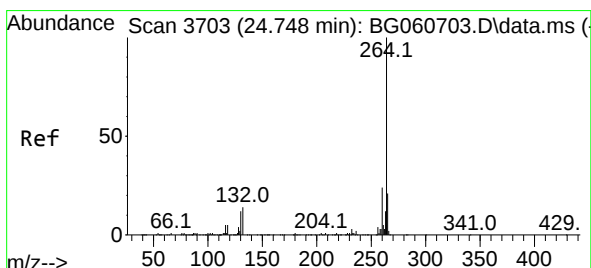
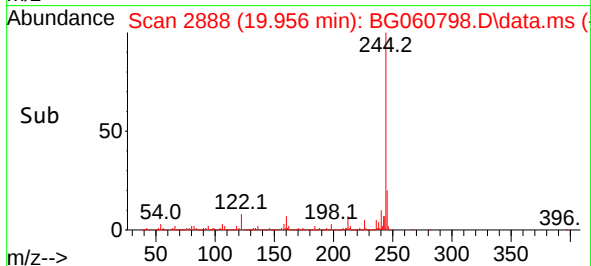
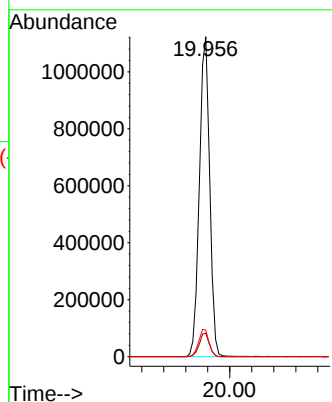
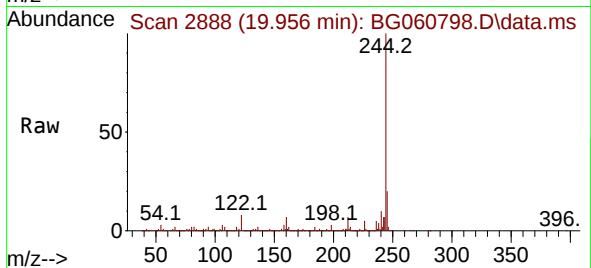
Tgt Ion:244 Resp: 1464934

Ion Ratio Lower Upper

244 100

212 7.4 6.2 9.2

122 8.3 7.8 11.8



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.733 min Scan# 3701

Delta R.T. -0.014 min

Lab File: BG060798.D

Acq: 5 Apr 2024 16:23

Tgt Ion:264 Resp: 498702

Ion Ratio Lower Upper

264 100

260 24.6 19.5 29.3

265 20.9 16.9 25.3

