

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG100821\
 Data File : BG050527.D
 Acq On : 9 Oct 2021 3:15
 Operator : CG/JU
 Sample : M4118-01
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CONCRETE-100621-01

Quant Time: Oct 09 04:09:06 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG100621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 06 15:51:01 2021
 Response via : Initial Calibration

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

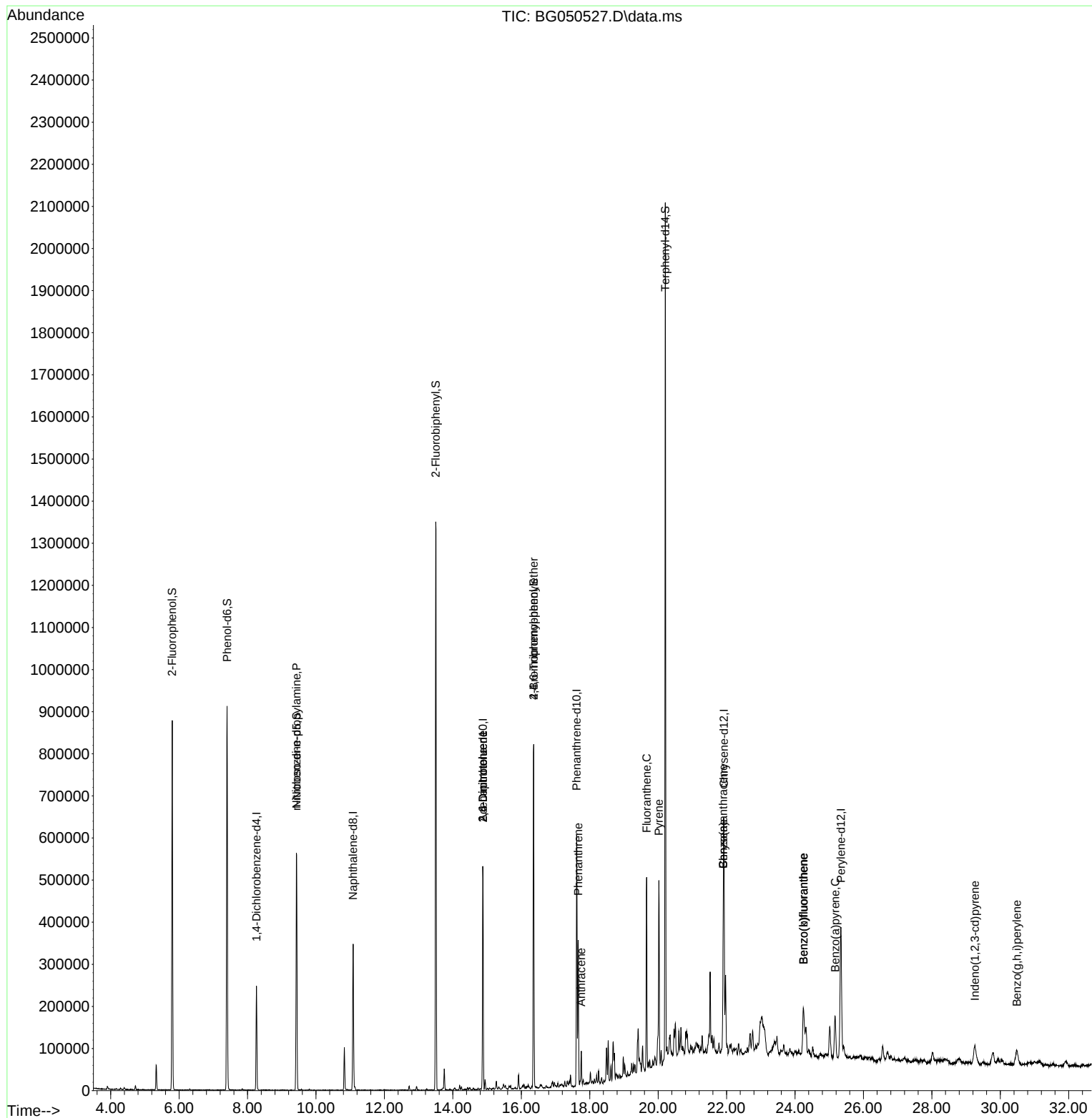
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.259	152	64443	20.000	ng	0.00
21) Naphthalene-d8	11.085	136	279397	20.000	ng	# 0.00
39) Acenaphthene-d10	14.874	164	179239	20.000	ng	0.00
64) Phenanthrene-d10	17.618	188	362500	20.000	ng	# 0.00
76) Chrysene-d12	21.925	240	308684	20.000	ng	# 0.00
86) Perylene-d12	25.339	264	308637	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.797	112	357638	82.997	ng	0.00
7) Phenol-d6	7.401	99	506410	81.172	ng	0.00
23) Nitrobenzene-d5	9.428	82	369479	54.742	ng	0.00
42) 2,4,6-Tribromophenol	16.361	330	116246	67.995	ng	0.00
45) 2-Fluorobiphenyl	13.500	172	678771	56.995	ng	0.00
79) Terphenyl-d14	20.209	244	887072	56.004	ng	0.00
Target Compounds						Qvalue
9) Benzaldehyde	7.395	77	1295	Below Cal	#	10
19) n-Nitroso-di-n-propyla...	9.434	70	52802	11.612	ng	# 68
51) 2,6-Dinitrotoluene	14.874	165	24306	8.957	ng	# 12
57) 2,4-Dinitrotoluene	14.874	165	24306	6.355	ng	# 17
67) 4-Bromophenyl-phenylether	16.361	248	10064	2.755	ng	# 1
71) Phenanthrene	17.665	178	210567	11.023	ng	98
72) Anthracene	17.753	178	49626	2.614	ng	98
75) Fluoranthene	19.663	202	271055	11.543	ng	95
78) Pyrene	20.021	202	279339	12.755	ng	99
81) Benzo(a)anthracene	21.902	228	138748	6.793	ng	98
83) Chrysene	21.902	228	138748	7.222	ng	97
87) Indeno(1,2,3-cd)pyrene	29.258	276	72949	3.394	ng	# 88
88) Benzo(b)fluoranthene	24.246	252	148086	7.835	ng	# 93
89) Benzo(k)fluoranthene	24.246	252	148086	7.964	ng	# 97
90) Benzo(a)pyrene	25.174	252	116761	7.265	ng	# 92
92) Benzo(g,h,i)perylene	30.486	276	74791	4.295	ng	# 87

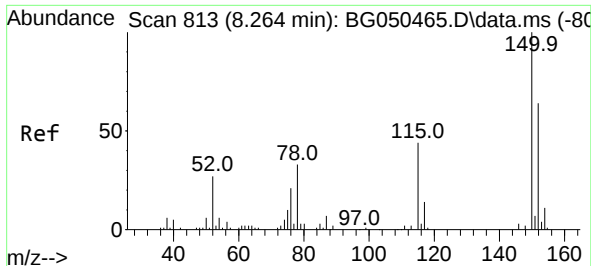
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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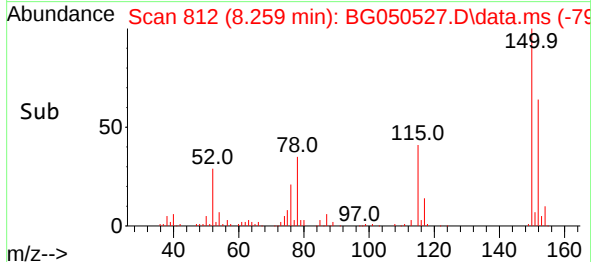
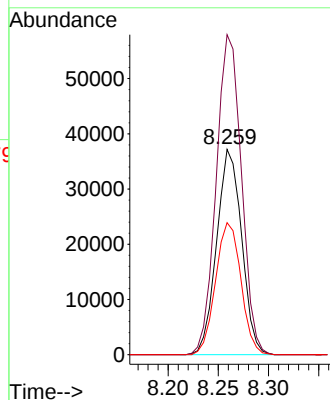
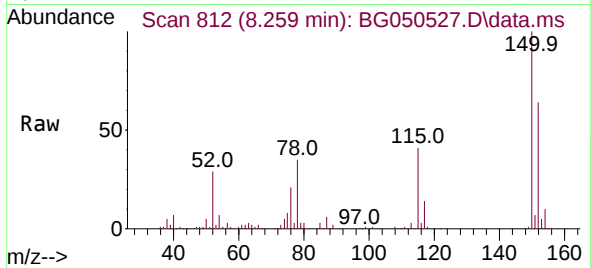




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.259 min Scan# 812
Delta R.T. -0.005 min
Lab File: BG050527.D
Acq: 9 Oct 2021 3:15

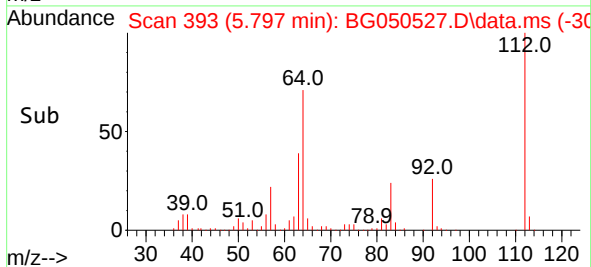
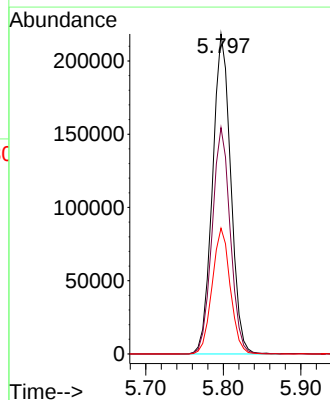
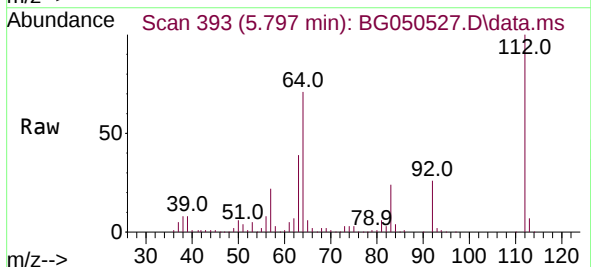
Instrument :
BNA_G
ClientSampleId :
CONCRETE-100621-01

Tgt Ion:152 Resp: 64443
Ion Ratio Lower Upper
152 100
150 155.9 119.4 179.0
115 64.3 60.2 90.4



#5
2-Fluorophenol
Concen: 82.997 ng
RT: 5.797 min Scan# 393
Delta R.T. 0.007 min
Lab File: BG050527.D
Acq: 9 Oct 2021 3:15

Tgt Ion:112 Resp: 357638
Ion Ratio Lower Upper
112 100
64 70.7 46.7 70.1#
63 39.3 35.3 52.9

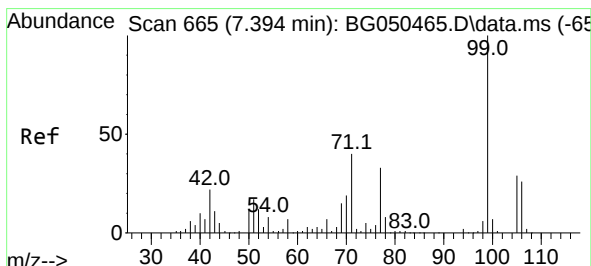
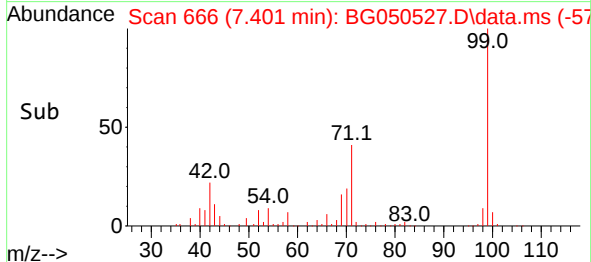
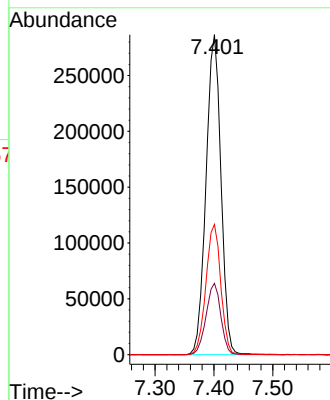
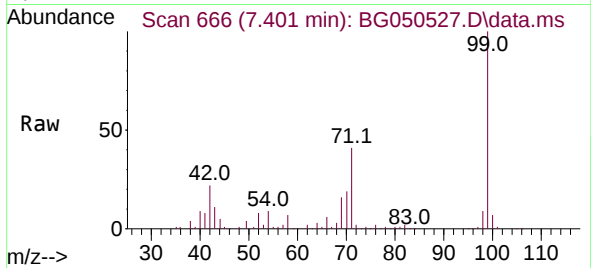




#7
Phenol-d6
Concen: 81.172 ng
RT: 7.401 min Scan# 666
Delta R.T. 0.007 min
Lab File: BG050527.D
Acq: 9 Oct 2021 3:15

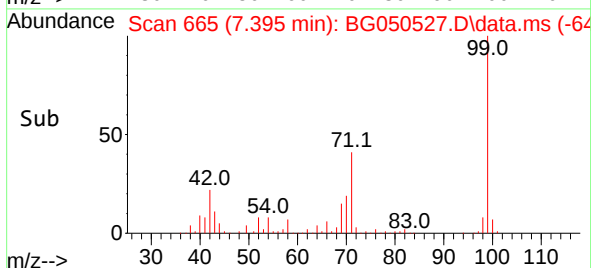
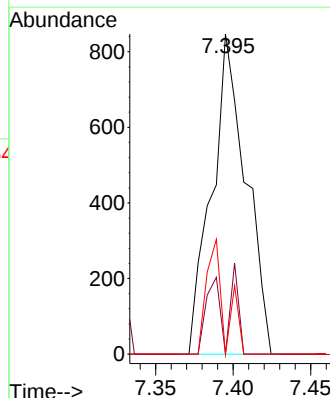
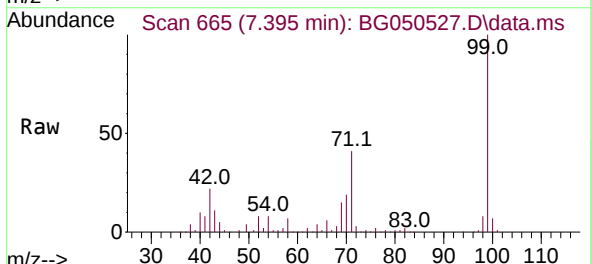
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BNA_G
ClientSampleId :
CONCRETE-100621-01

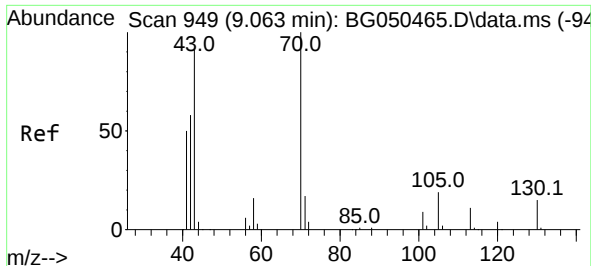
Tgt Ion: 99 Resp: 506410
Ion Ratio Lower Upper
99 100
42 22.3 20.5 30.7
71 40.7 41.5 62.3#



#9
Benzaldehyde
Concen: Below Cal
RT: 7.395 min Scan# 665
Delta R.T. 0.001 min
Lab File: BG050527.D
Acq: 9 Oct 2021 3:15

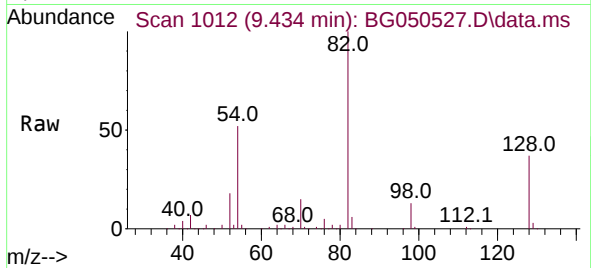
Tgt Ion: 77 Resp: 1295
Ion Ratio Lower Upper
77 100
105 0.0 68.8 108.8#
106 0.0 47.9 87.9#



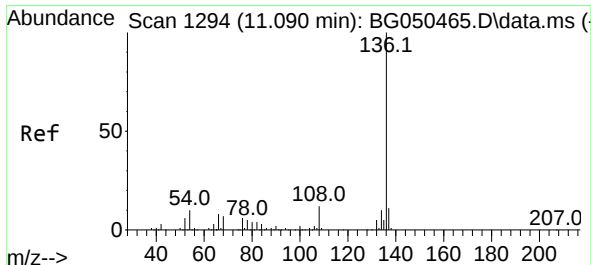
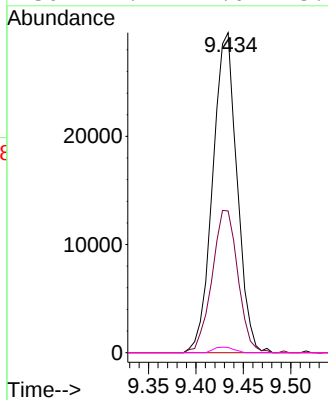
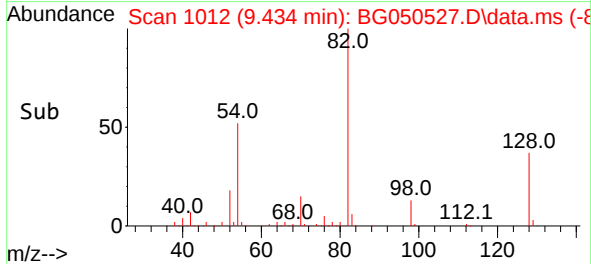


#19
n-Nitroso-di-n-propylamine
Concen: 11.612 ng
RT: 9.434 min Scan# 1012
Delta R.T. 0.371 min
Lab File: BG050527.D
Acq: 9 Oct 2021 3:15

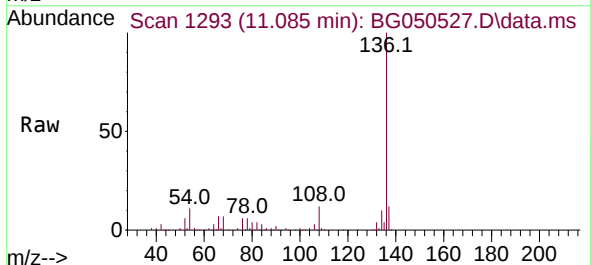
Instrument :
BNA_G
ClientSampleId :
CONCRETE-100621-01



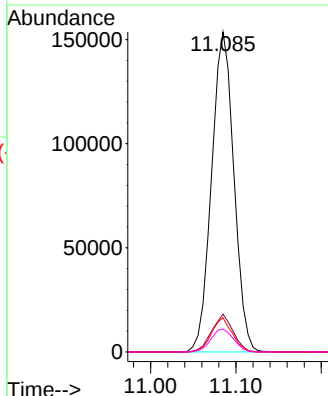
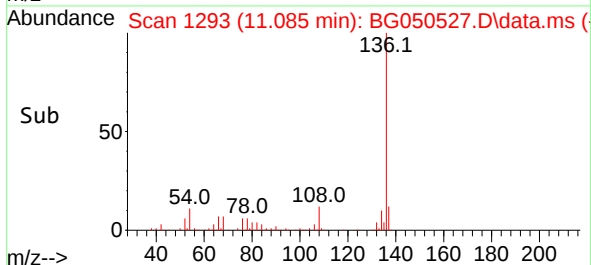
Tgt Ion: 70 Resp: 52802
Ion Ratio Lower Upper
70 100
42 44.3 54.5 81.7#
101 0.0 9.0 13.6#
130 1.7 17.0 25.6#



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.085 min Scan# 1293
Delta R.T. -0.005 min
Lab File: BG050527.D
Acq: 9 Oct 2021 3:15



Tgt Ion: 136 Resp: 279397
Ion Ratio Lower Upper
136 100
137 11.8 8.2 12.2
54 10.7 5.5 8.3#
68 7.2 2.3 3.5#

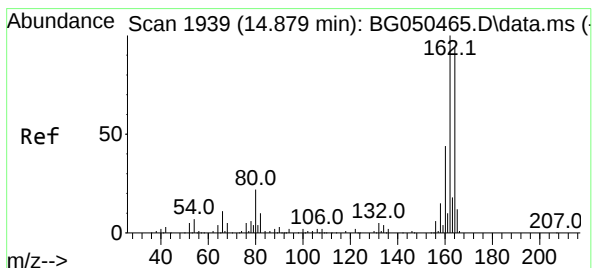
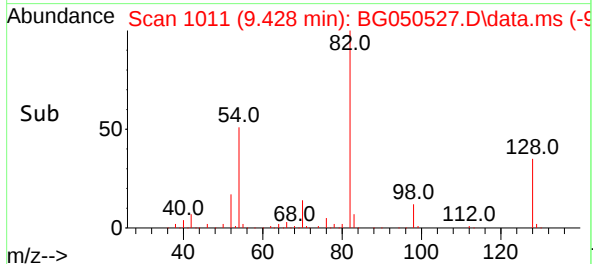
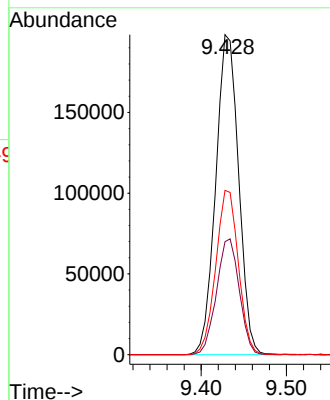
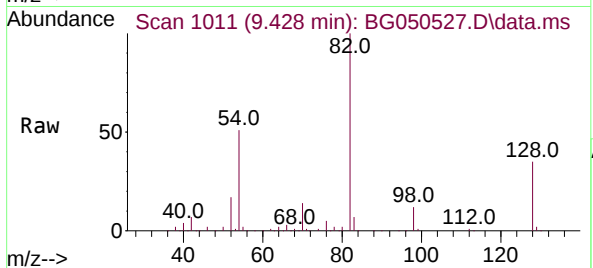




#23
Nitrobenzene-d5
Concen: 54.742 ng
RT: 9.428 min Scan# 1011
Delta R.T. -0.005 min
Lab File: BG050527.D
Acq: 9 Oct 2021 3:15

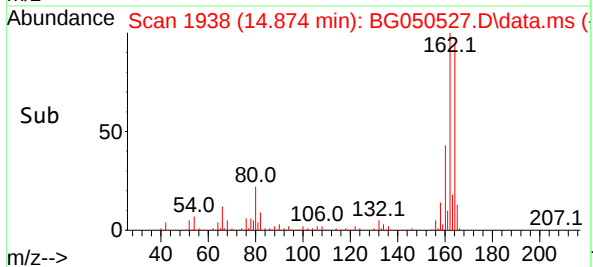
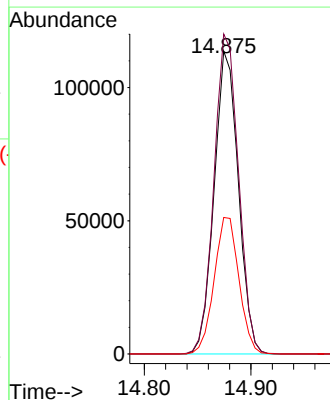
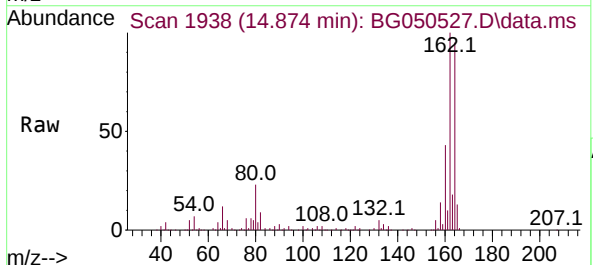
Instrument :
BNA_G
ClientSampleId :
CONCRETE-100621-01

Tgt Ion: 82 Resp: 369479
Ion Ratio Lower Upper
82 100
128 35.3 29.8 44.6
54 51.4 45.8 68.8



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.874 min Scan# 1938
Delta R.T. -0.005 min
Lab File: BG050527.D
Acq: 9 Oct 2021 3:15

Tgt Ion:164 Resp: 179239
Ion Ratio Lower Upper
164 100
162 105.7 81.4 122.0
160 45.1 34.9 52.3

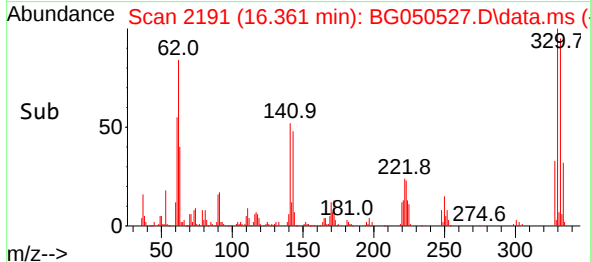
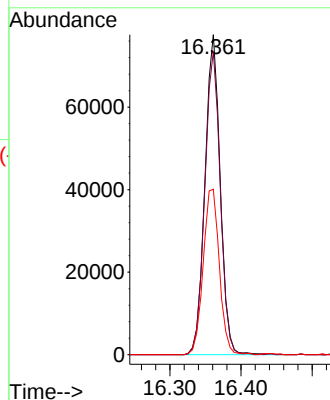
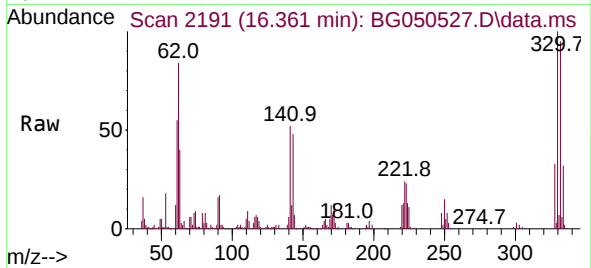




#42
2,4,6-Tribromophenol
Concen: 67.995 ng
RT: 16.361 min Scan# 2191
Delta R.T. 0.001 min
Lab File: BG050527.D
Acq: 9 Oct 2021 3:15

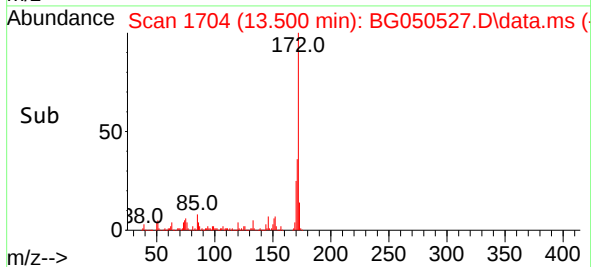
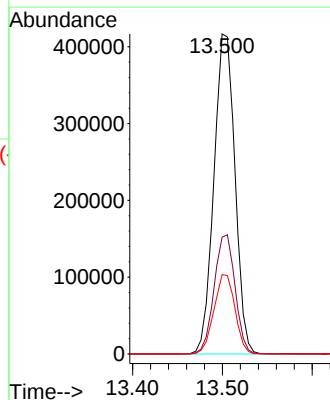
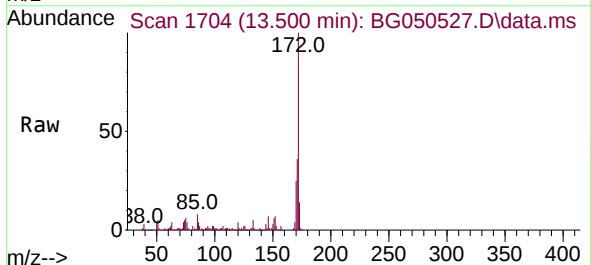
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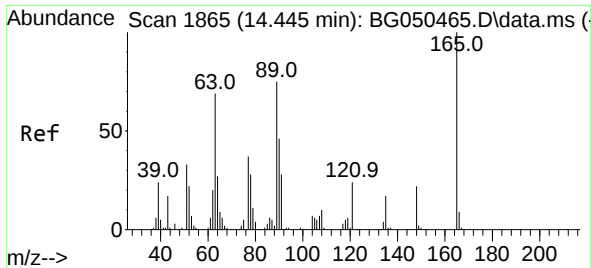
Tgt Ion:330 Resp: 116246
Ion Ratio Lower Upper
330 100
332 95.8 77.3 115.9
141 54.6 35.6 53.4#



#45
2-Fluorobiphenyl
Concen: 56.995 ng
RT: 13.500 min Scan# 1704
Delta R.T. -0.005 min
Lab File: BG050527.D
Acq: 9 Oct 2021 3:15

Tgt Ion:172 Resp: 678771
Ion Ratio Lower Upper
172 100
171 36.5 28.6 43.0
170 24.8 18.6 27.8

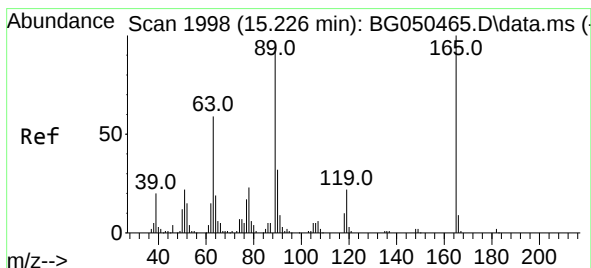
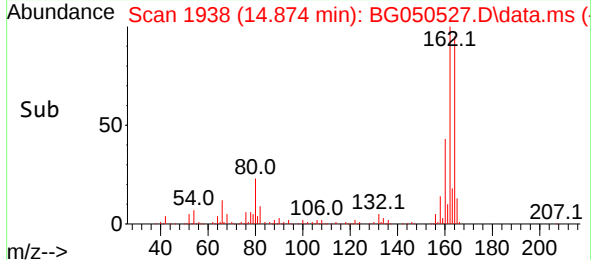
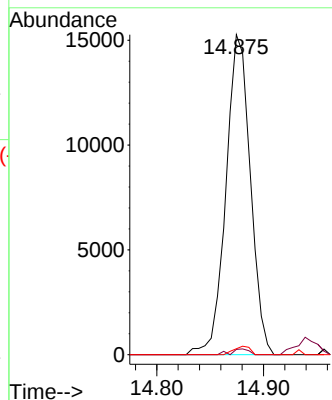
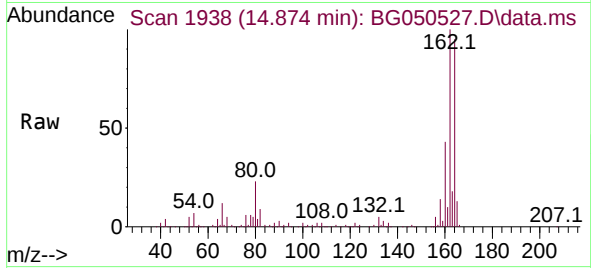




#51
2,6-Dinitrotoluene
Concen: 8.957 ng
RT: 14.874 min Scan# 1938
Delta R.T. 0.430 min
Lab File: BG050527.D
Acq: 9 Oct 2021 3:15

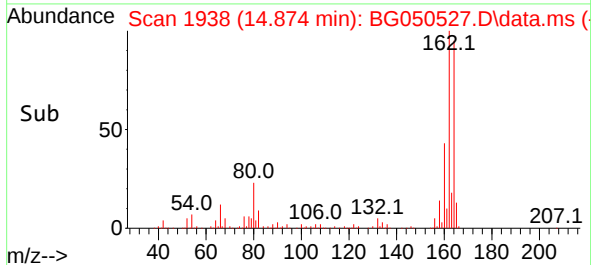
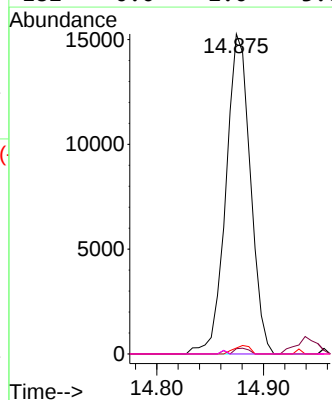
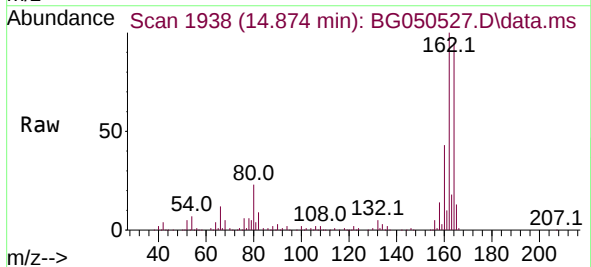
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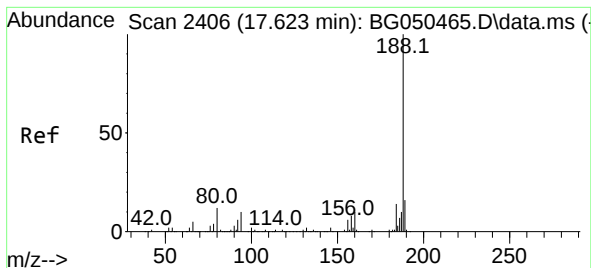
Tgt Ion:165 Resp: 24306
Ion Ratio Lower Upper
165 100
63 1.7 63.3 94.9#
89 1.9 63.4 95.0#



#57
2,4-Dinitrotoluene
Concen: 6.355 ng
RT: 14.874 min Scan# 1938
Delta R.T. -0.351 min
Lab File: BG050527.D
Acq: 9 Oct 2021 3:15

Tgt Ion:165 Resp: 24306
Ion Ratio Lower Upper
165 100
63 1.7 48.0 72.0#
89 1.9 65.4 98.0#
182 0.0 2.0 3.0#

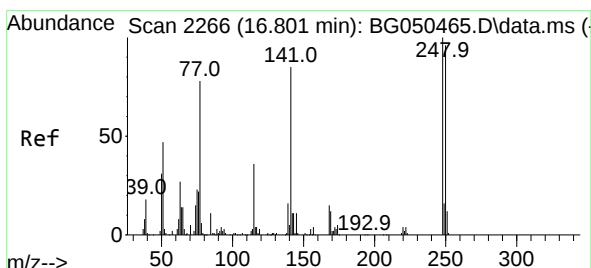
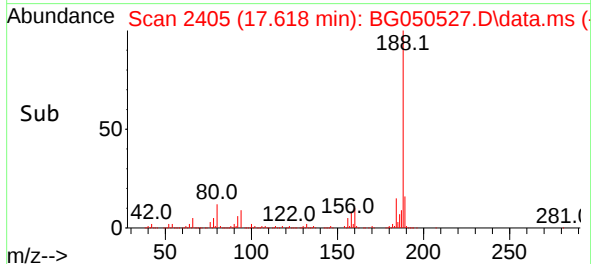
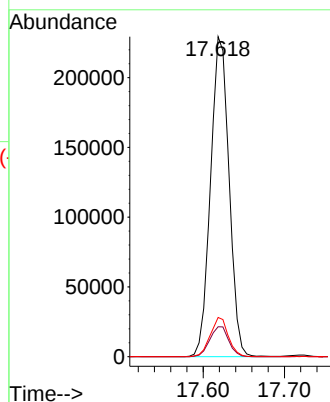
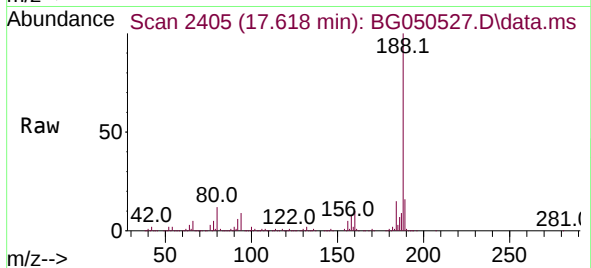




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.618 min Scan# 2405
Delta R.T. -0.005 min
Lab File: BG050527.D
Acq: 9 Oct 2021 3:15

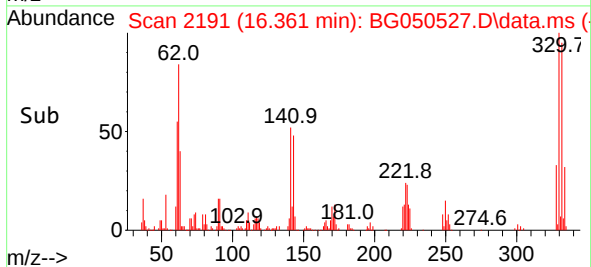
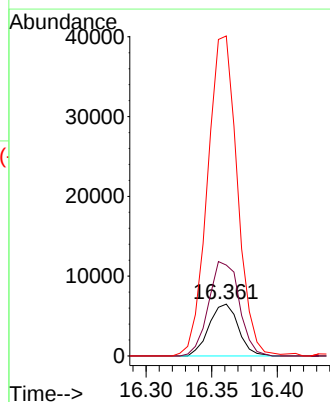
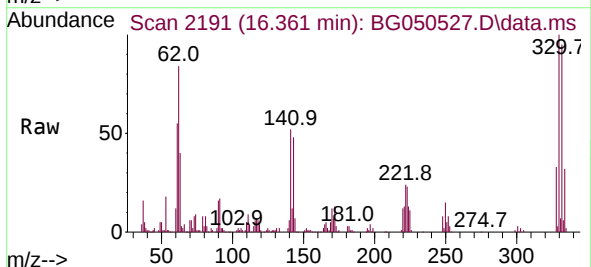
Instrument :
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CONCRETE-100621-01

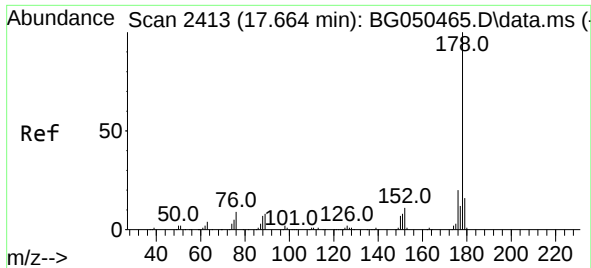
Tgt Ion:188 Resp: 362500
Ion Ratio Lower Upper
188 100
94 9.4 5.4 8.0#
80 12.2 3.7 5.5#



#67
4-Bromophenyl-phenylether
Concen: 2.755 ng
RT: 16.361 min Scan# 2191
Delta R.T. -0.440 min
Lab File: BG050527.D
Acq: 9 Oct 2021 3:15

Tgt Ion:248 Resp: 10064
Ion Ratio Lower Upper
248 100
250 175.5 76.1 114.1#
141 617.4 65.4 98.2#

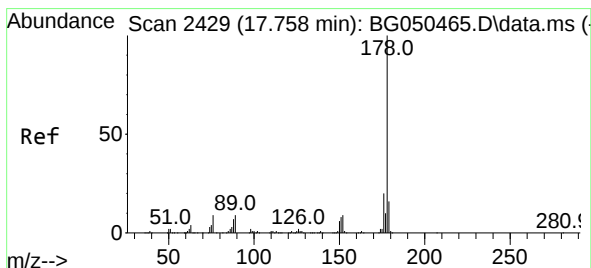
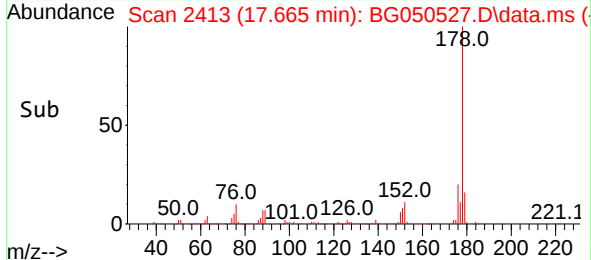
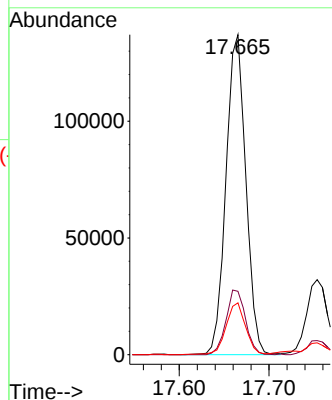
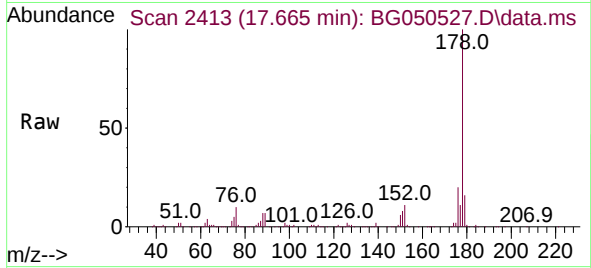




#71
Phenanthrene
Concen: 11.023 ng
RT: 17.665 min Scan# 2413
Delta R.T. 0.001 min
Lab File: BG050527.D
Acq: 9 Oct 2021 3:15

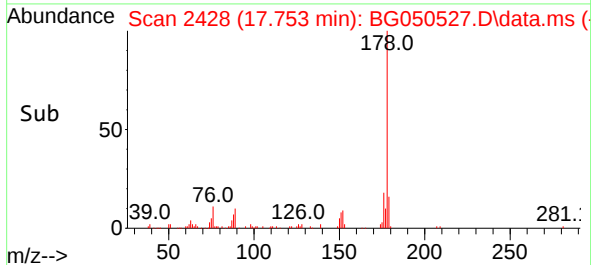
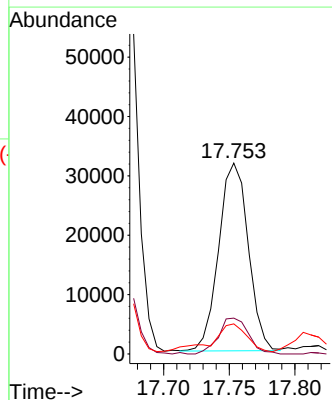
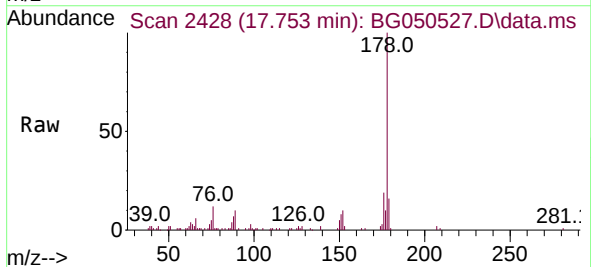
Instrument :
BNA_G
ClientSampleId :
CONCRETE-100621-01

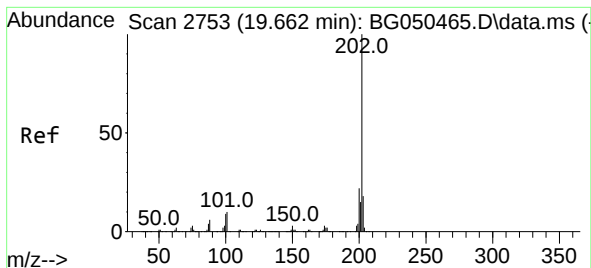
Tgt Ion:178 Resp: 210567
Ion Ratio Lower Upper
178 100
176 19.8 16.0 24.0
179 16.2 14.2 21.4



#72
Anthracene
Concen: 2.614 ng
RT: 17.753 min Scan# 2428
Delta R.T. -0.005 min
Lab File: BG050527.D
Acq: 9 Oct 2021 3:15

Tgt Ion:178 Resp: 49626
Ion Ratio Lower Upper
178 100
176 18.7 14.6 21.8
179 15.7 13.4 20.0

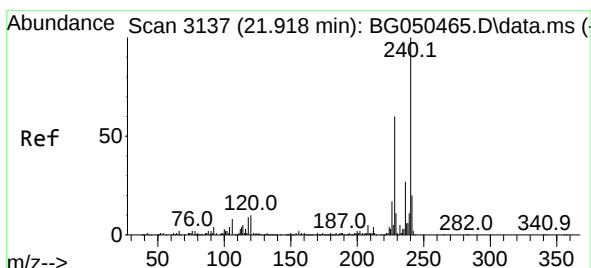
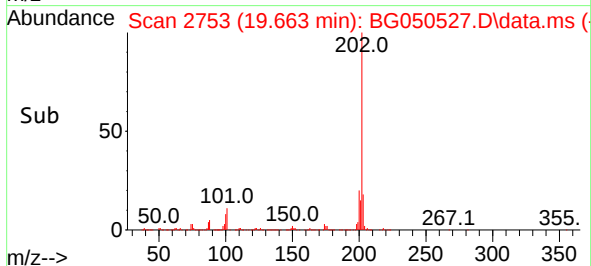
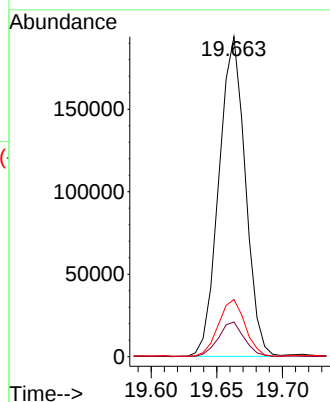
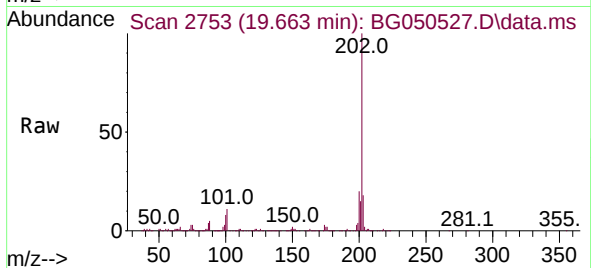




#75
Fluoranthene
Concen: 11.543 ng
RT: 19.663 min Scan# 2753
Delta R.T. 0.001 min
Lab File: BG050527.D
Acq: 9 Oct 2021 3:15

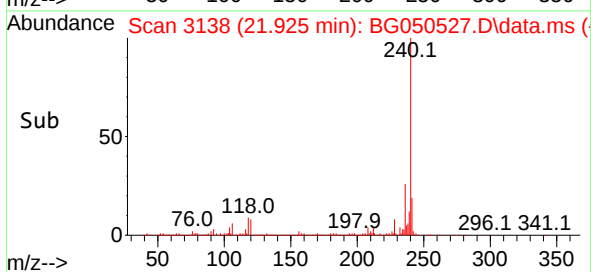
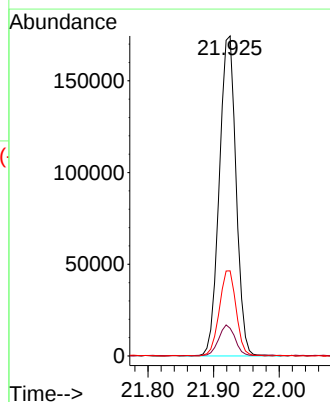
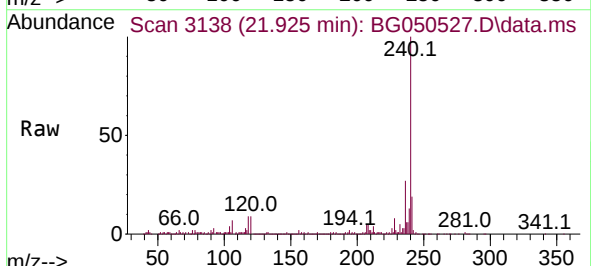
Instrument :
BNA_G
ClientSampleId :
CONCRETE-100621-01

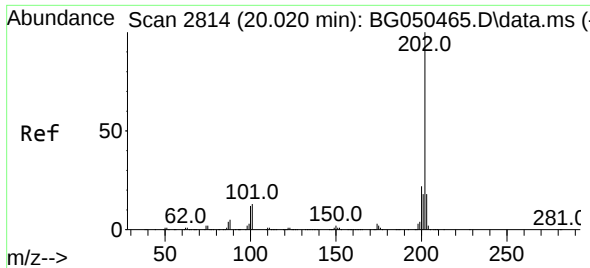
Tgt Ion:	202	Resp:	271055
Ion Ratio	Lower	Upper	
202	100		
101	10.8	0.0	24.7
203	17.8	0.0	38.5



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.925 min Scan# 3138
Delta R.T. 0.007 min
Lab File: BG050527.D
Acq: 9 Oct 2021 3:15

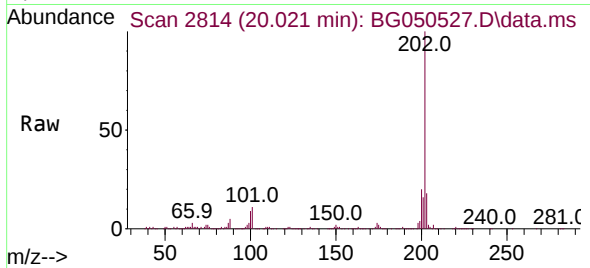
Tgt Ion:	240	Resp:	308684
Ion Ratio	Lower	Upper	
240	100		
120	8.6	4.2	6.2#
236	26.6	21.8	32.6



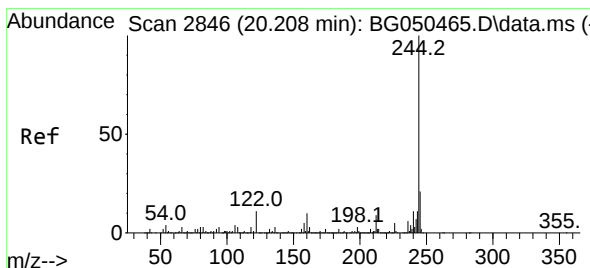
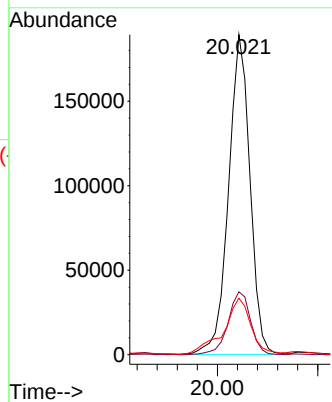
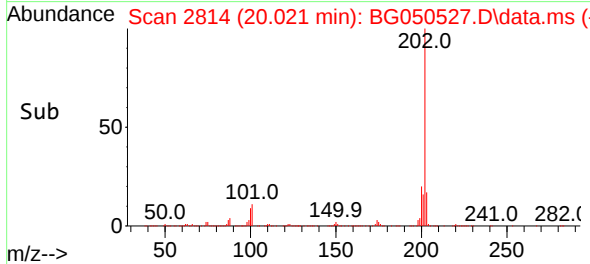


#78
Pyrene
Concen: 12.755 ng
RT: 20.021 min Scan# 2814
Delta R.T. 0.001 min
Lab File: BG050527.D
Acq: 9 Oct 2021 3:15

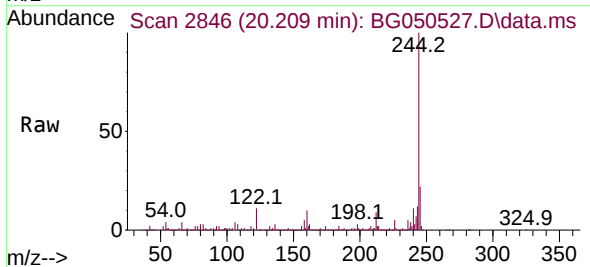
Instrument :
BNA_G
ClientSampleId :
CONCRETE-100621-01



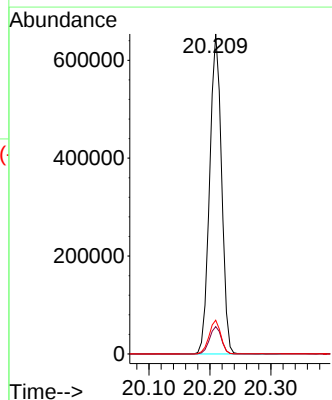
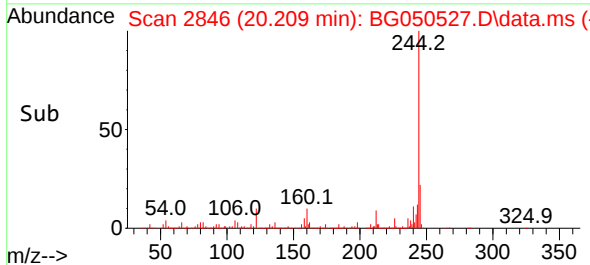
Tgt Ion:202 Resp: 279339
Ion Ratio Lower Upper
202 100
200 19.6 15.8 23.8
203 17.7 14.6 21.8

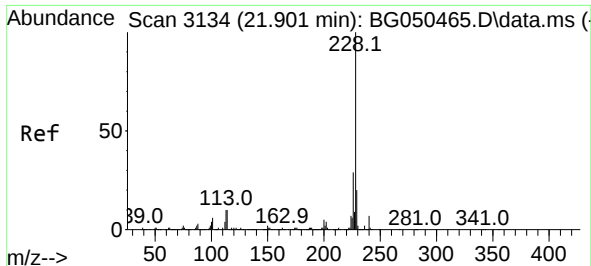


#79
Terphenyl-d14
Concen: 56.004 ng
RT: 20.209 min Scan# 2846
Delta R.T. 0.001 min
Lab File: BG050527.D
Acq: 9 Oct 2021 3:15



Tgt Ion:244 Resp: 887072
Ion Ratio Lower Upper
244 100
212 8.6 6.9 10.3
122 10.5 5.0 7.6#

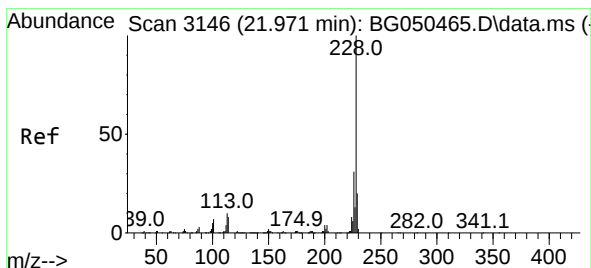
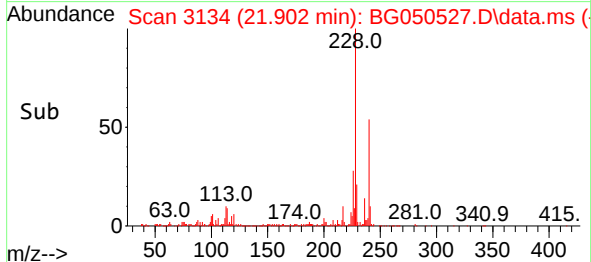
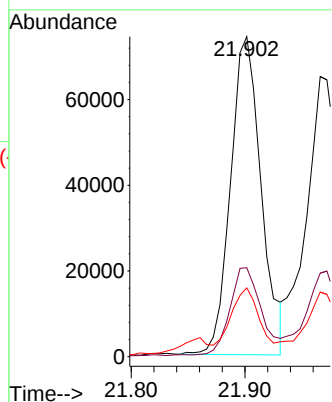
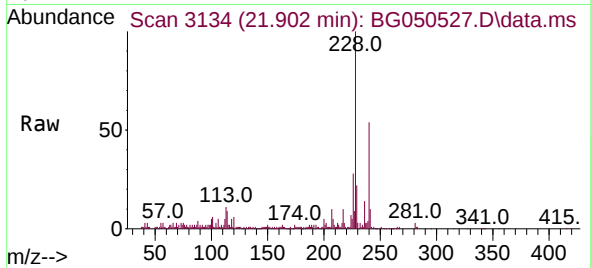




#81
Benzo(a)anthracene
Concen: 6.793 ng
RT: 21.902 min Scan# 3134
Delta R.T. 0.001 min
Lab File: BG050527.D
Acq: 9 Oct 2021 3:15

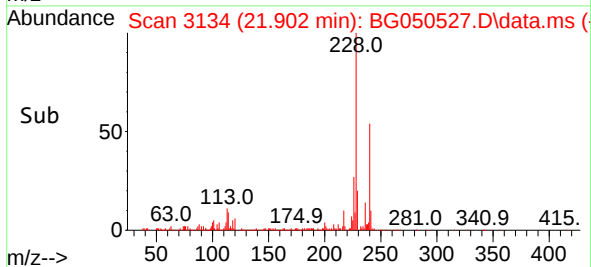
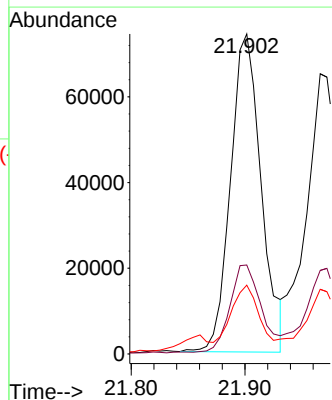
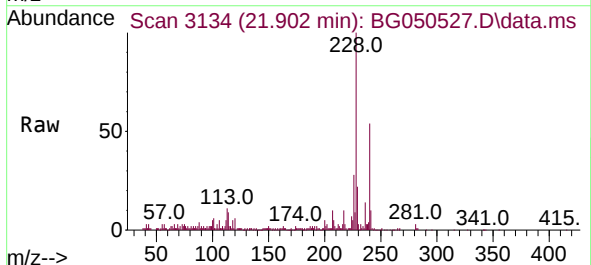
Instrument :
BNA_G
ClientSampleId :
CONCRETE-100621-01

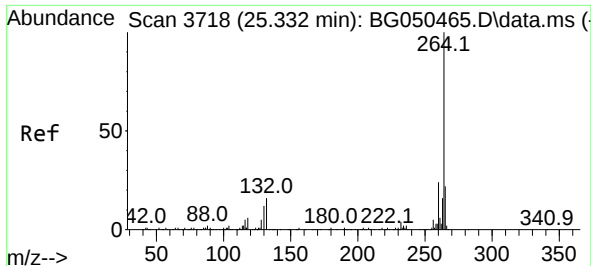
Tgt Ion:228 Resp: 138748
Ion Ratio Lower Upper
228 100
226 27.8 22.7 34.1
229 21.5 16.0 24.0



#83
Chrysene
Concen: 7.222 ng
RT: 21.902 min Scan# 3134
Delta R.T. -0.069 min
Lab File: BG050527.D
Acq: 9 Oct 2021 3:15

Tgt Ion:228 Resp: 138748
Ion Ratio Lower Upper
228 100
226 27.8 23.1 34.7
229 21.5 15.3 22.9



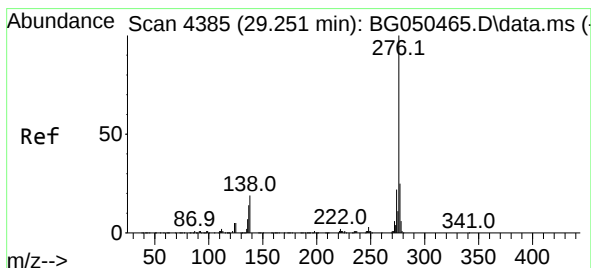
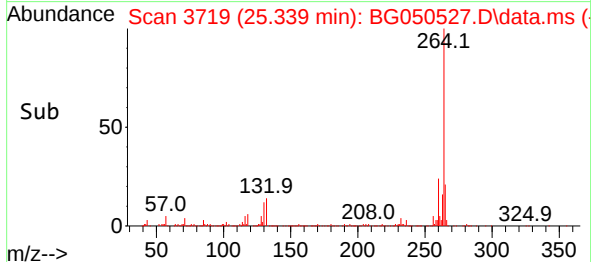
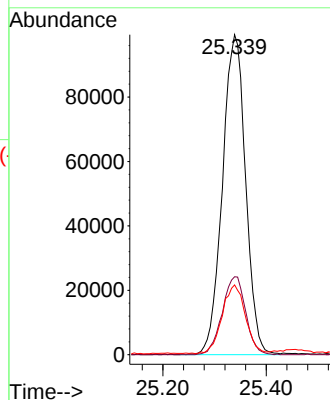
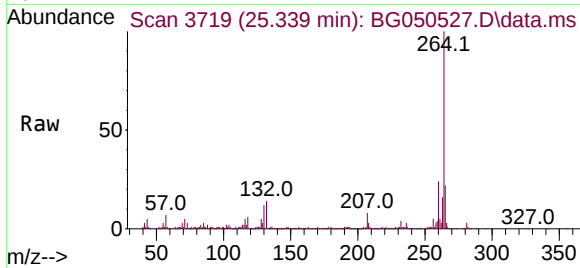


#86
Perylene-d12
Concen: 20.000 ng
RT: 25.339 min Scan# 3719
Delta R.T. 0.007 min
Lab File: BG050527.D
Acq: 9 Oct 2021 3:15

Instrument :
BNA_G
ClientSampleId :
CONCRETE-100621-01

Tgt Ion:264 Resp: 308637

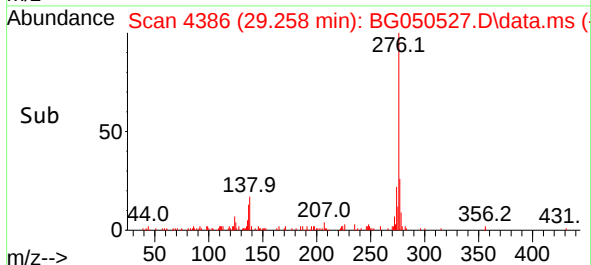
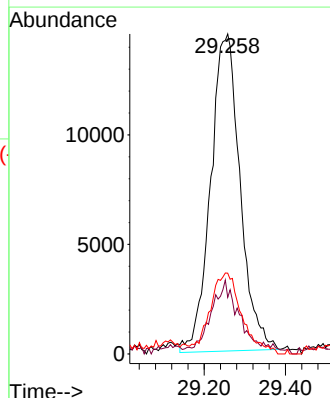
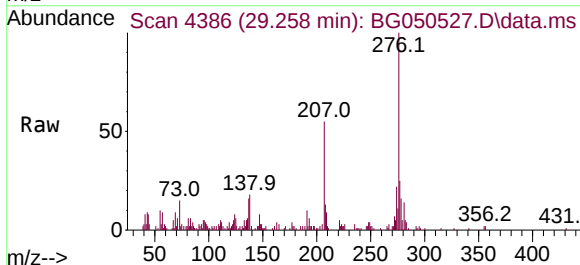
Ion	Ratio	Lower	Upper
264	100		
260	24.3	19.4	29.2
265	21.8	16.9	25.3

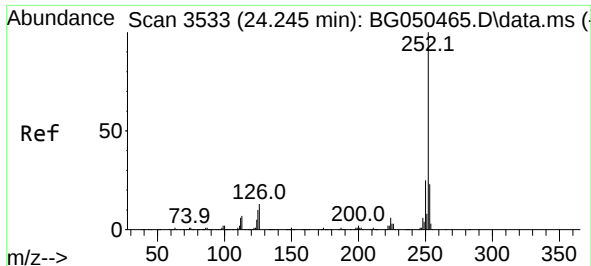


#87
Indeno(1,2,3-cd)pyrene
Concen: 3.394 ng
RT: 29.258 min Scan# 4386
Delta R.T. 0.007 min
Lab File: BG050527.D
Acq: 9 Oct 2021 3:15

Tgt Ion:276 Resp: 72949

Ion	Ratio	Lower	Upper
276	100		
138	18.8	5.1	7.7#
277	27.5	19.8	29.6

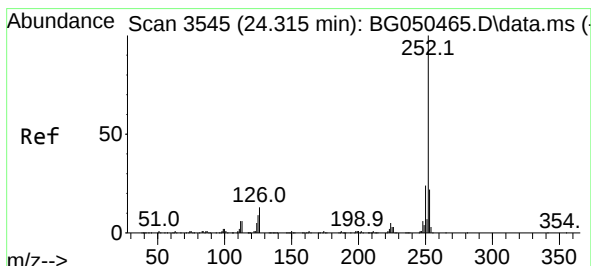
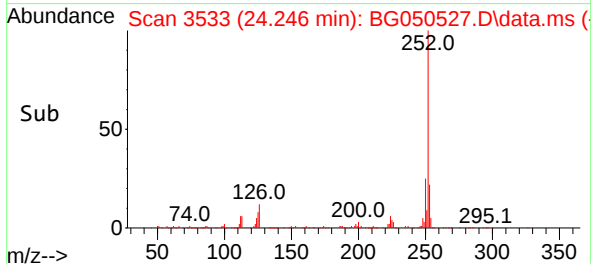
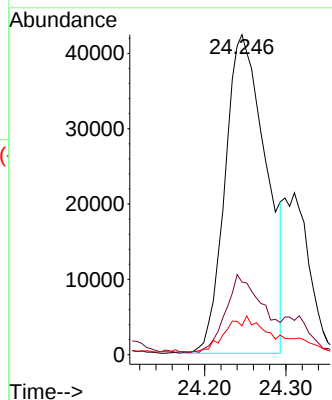
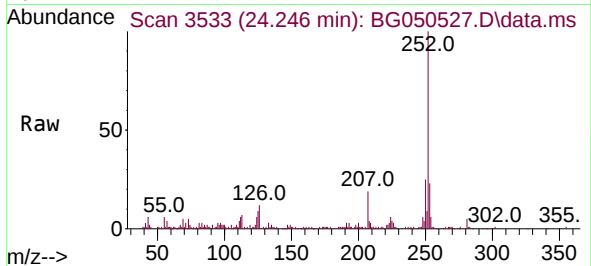




#88
Benzo(b)fluoranthene
Concen: 7.835 ng
RT: 24.246 min Scan# 3533
Delta R.T. 0.001 min
Lab File: BG050527.D
Acq: 9 Oct 2021 3:15

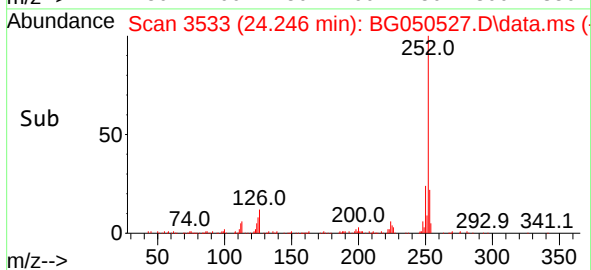
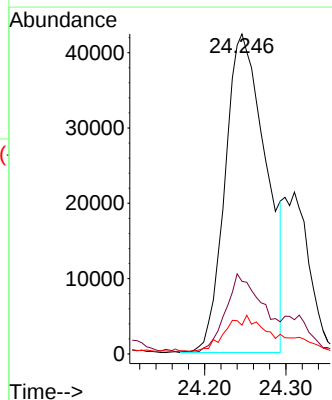
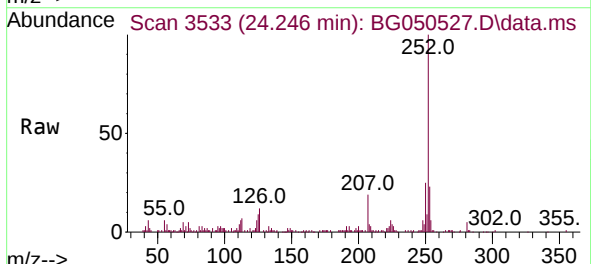
Instrument :
BNA_G
ClientSampleId :
CONCRETE-100621-01

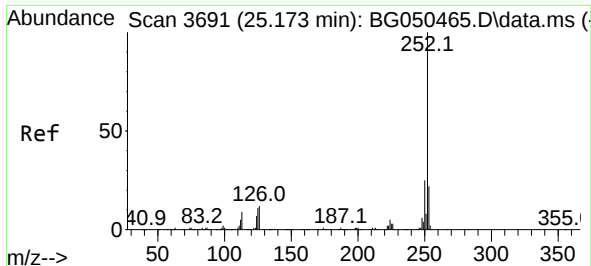
Tgt Ion:252 Resp: 148086
Ion Ratio Lower Upper
252 100
253 22.7 16.2 24.4
125 9.0 3.0 4.4#



#89
Benzo(k)fluoranthene
Concen: 7.964 ng
RT: 24.246 min Scan# 3533
Delta R.T. -0.069 min
Lab File: BG050527.D
Acq: 9 Oct 2021 3:15

Tgt Ion:252 Resp: 148086
Ion Ratio Lower Upper
252 100
253 22.7 18.0 27.0
125 9.0 3.1 4.7#

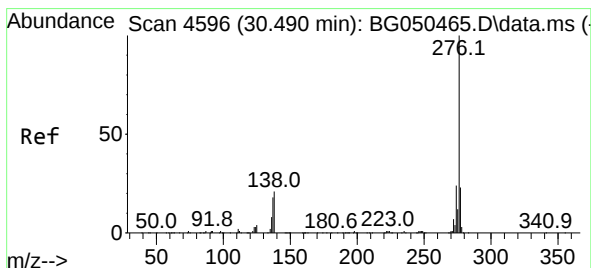
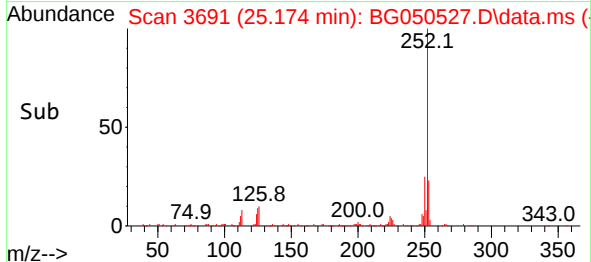
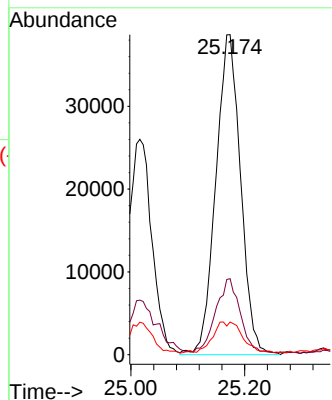
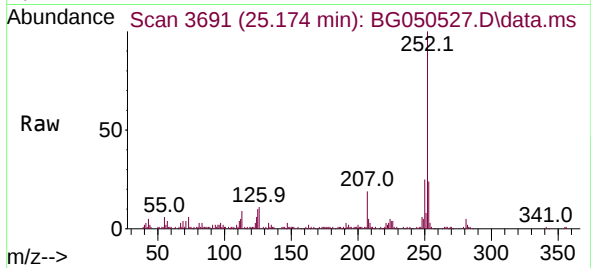




#90
Benzo(a)pyrene
Concen: 7.265 ng
RT: 25.174 min Scan# 3691
Delta R.T. 0.001 min
Lab File: BG050527.D
Acq: 9 Oct 2021 3:15

Instrument :
BNA_G
ClientSampleId :
CONCRETE-100621-01

Tgt Ion:252 Resp: 116761
Ion Ratio Lower Upper
252 100
253 23.8 16.6 25.0
125 10.2 3.5 5.3#



#92
Benzo(g,h,i)perylene
Concen: 4.295 ng
RT: 30.486 min Scan# 4595
Delta R.T. -0.005 min
Lab File: BG050527.D
Acq: 9 Oct 2021 3:15

Tgt Ion:276 Resp: 74791
Ion Ratio Lower Upper
276 100
277 25.4 18.4 27.6
138 20.7 7.0 10.6#

