

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG090320\
 Data File : BG046532.D
 Acq On : 4 Sep 2020 1:35
 Operator : CG/JU
 Sample : L3887-02
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CONCRETE-PILE

Quant Time: Sep 04 02:58:08 2020
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG082520.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 02 15:06:53 2020
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	7.93	152	75232	20.00	ng	0.00
21) Naphthalene-d8	10.73	136	306521	20.00	ng	0.00
39) Acenaphthene-d10	14.56	164	213356	20.00	ng	0.00
64) Phenanthrene-d10	17.30	188	506843	20.00	ng	0.00
76) Chrysene-d12	21.54	240	508040	20.00	ng	0.00
86) Perylene-d12	24.65	264	497508	20.00	ng	0.00

System Monitoring Compounds						
5) 2-Fluorophenol	5.52	112	494583	116.44	ng	0.00
7) Phenol-d6	7.10	99	601917	99.96	ng	0.00
23) Nitrobenzene-d5	9.08	82	474464	88.47	ng	0.00
42) 2,4,6-Tribromophenol	16.05	330	336710	116.48	ng	0.00
45) 2-Fluorobiphenyl	13.18	172	1185033	84.79	ng	0.00
79) Terphenyl-d14	19.92	244	1868564	78.27	ng	0.00

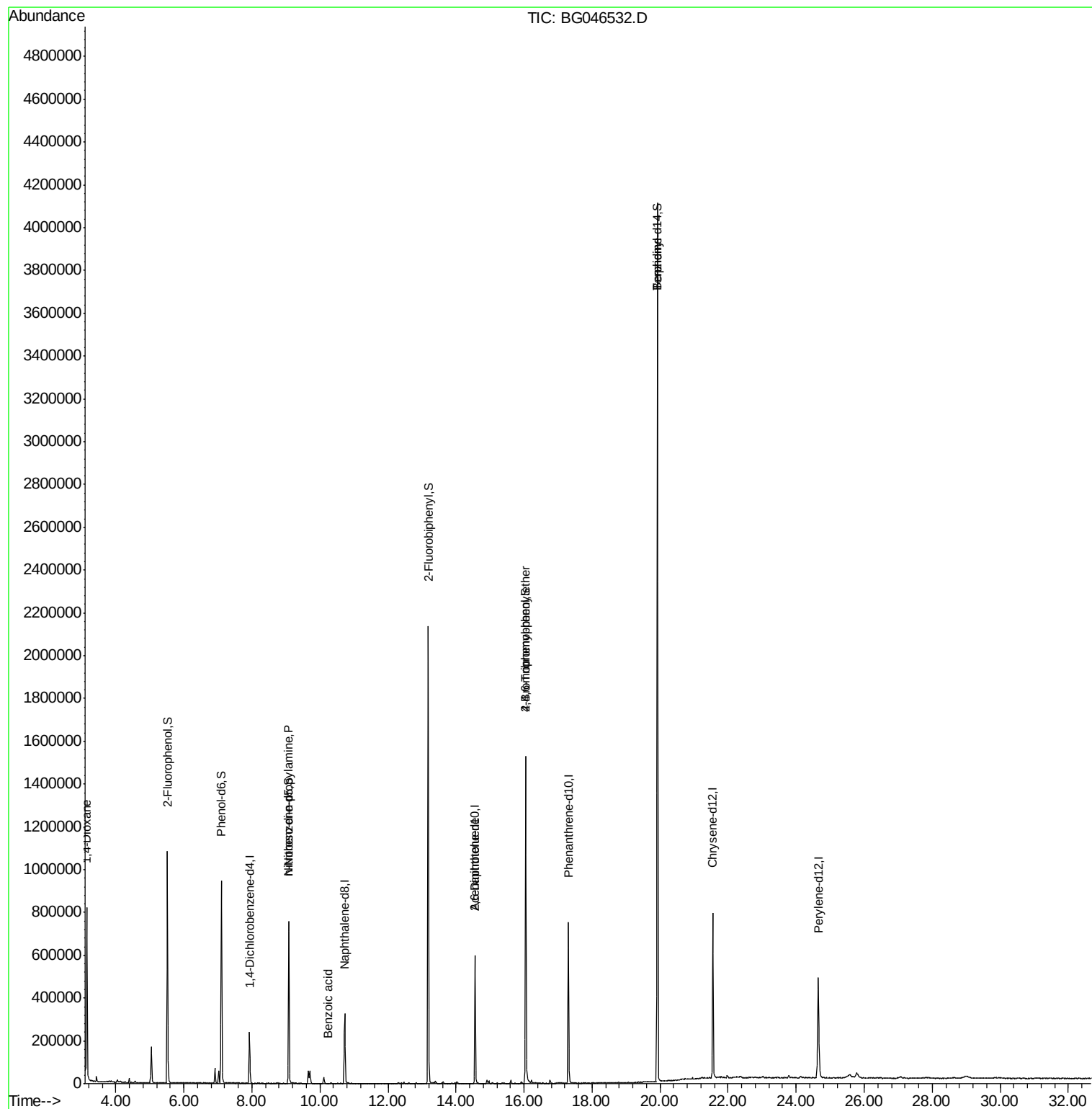
Target Compounds				Qvalue		
2) 1,4-Dioxane	3.15	88	6905	3.907	ng	# 1
19) n-Nitroso-di-n-propylamine	9.08	70	60156	16.702	ng	# 75
32) Benzoic acid	10.25	122	54	4.492	ng	# 1
51) 2,6-Dinitrotoluene	14.56	165	28629	7.868	ng	# 33
67) 4-Bromophenyl-phenylether	16.05	248	25715	4.349	ng	# 1
77) Benzidine	19.92	184	29243	2.477	ng	95

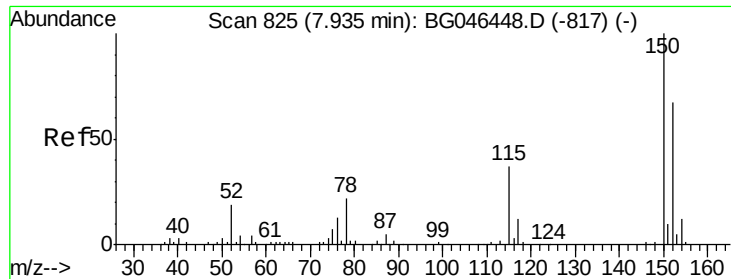
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Wed Sep 02 15:06:53 2020
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#1

1,4-Dichlorobenzene-d4

Concen: 20.000 ng

RT: 7.93 min Scan# 824

Delta R.T. -0.00 min

Lab File: BG046532.D

Acq: 4 Sep 2020 1:35

Instrument :

BNA_G

ClientSampleId :

CONCRETE-PILE

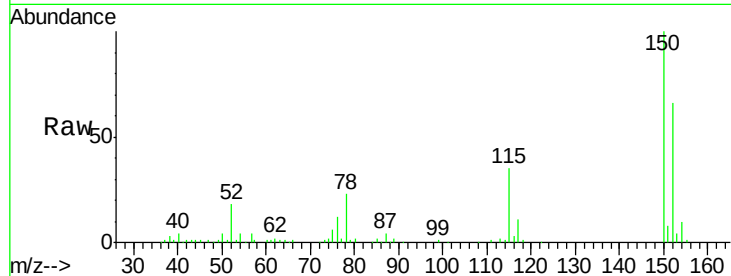
Tot Ion:152 Resp: 75232

Ion Ratio Lower Upper

152 100

150 152.3 119.5 179.3

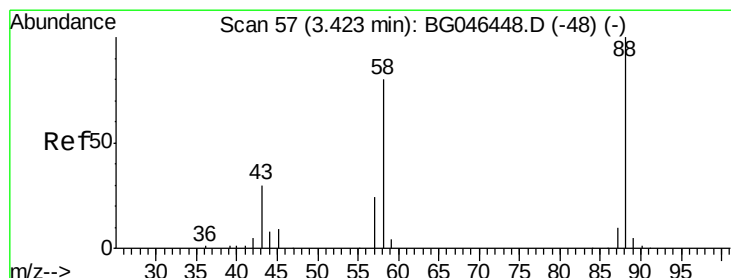
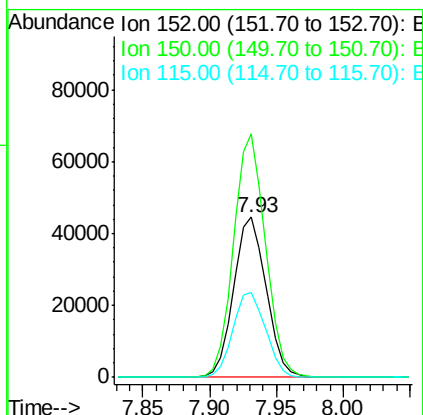
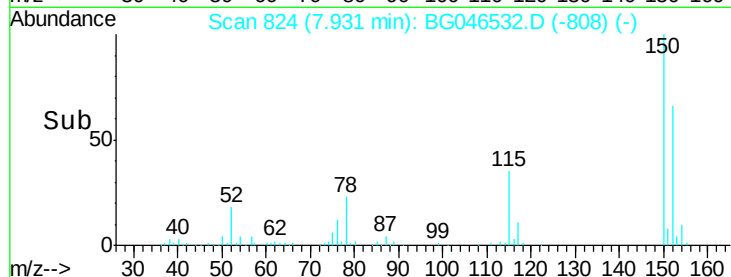
115 52.8 44.3 66.5



Abundance Ion 152.00 (151.70 to 152.70): E

Ion 150.00 (149.70 to 150.70): E

Ion 115.00 (114.70 to 115.70): E



#2

1,4-Dioxane

Concen: 3.907 ng

RT: 3.15 min Scan# 10

Delta R.T. -0.27 min

Lab File: BG046532.D

Acq: 4 Sep 2020 1:35

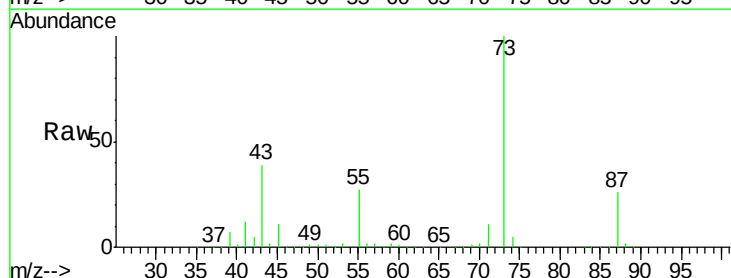
Tgt Ion: 88 Resp: 6905

Ion Ratio Lower Upper

88 100

58 28.0 61.4 92.2#

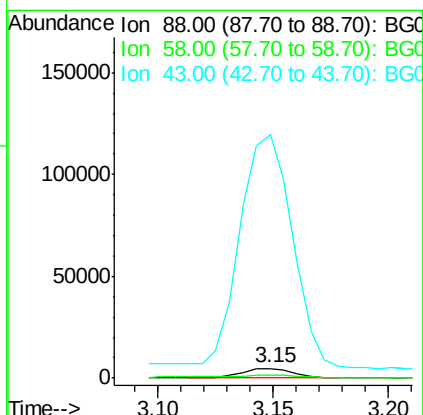
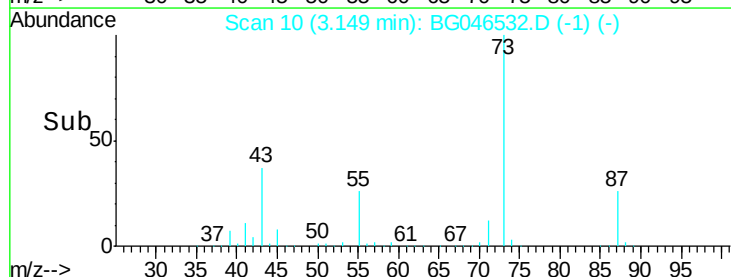
43 2831.5 21.6 32.4#

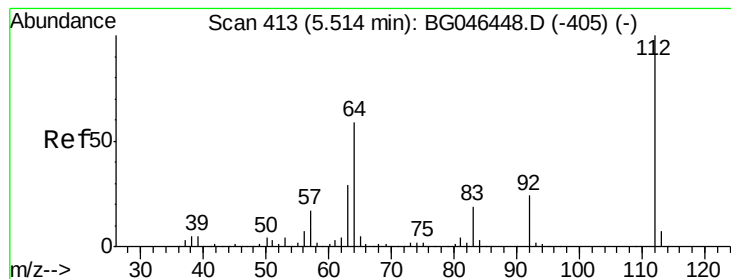


Abundance Ion 88.00 (87.70 to 88.70): BGC

Ion 58.00 (57.70 to 58.70): BGC

Ion 43.00 (42.70 to 43.70): BGC





#5

2-Fluorophenol

Concen: 116.440 ng

RT: 5.52 min Scan# 413

Delta R.T. 0.00 min

Lab File: BG046532.D

Acq: 4 Sep 2020 1:35

Instrument :

BNA_G

ClientSampleId :

CONCRETE-PILE

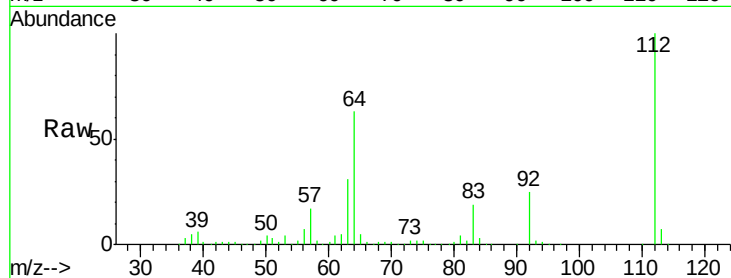
Tot Ion:112 Resp: 494583

Ion Ratio Lower Upper

112 100

64 62.8 47.0 70.6

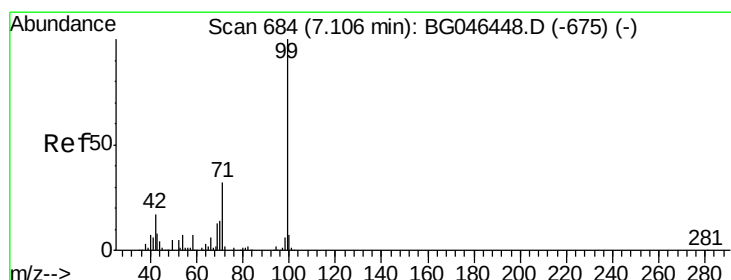
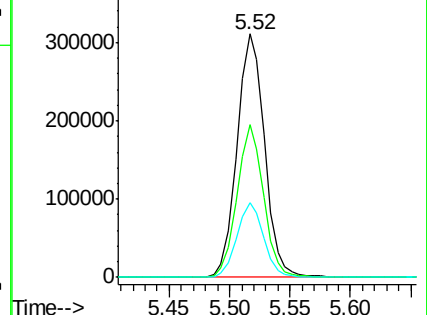
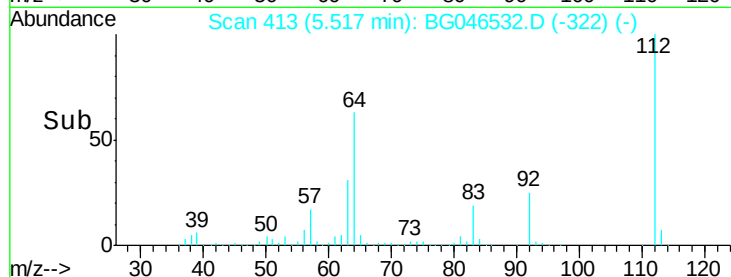
63 30.5 23.5 35.3



Abundance Ion 112.00 (111.70 to 112.70): BGC

Ion 64.00 (63.70 to 64.70): BGC

Ion 63.00 (62.70 to 63.70): BGC



#7

Phenol-d6

Concen: 99.964 ng

RT: 7.10 min Scan# 683

Delta R.T. -0.00 min

Lab File: BG046532.D

Acq: 4 Sep 2020 1:35

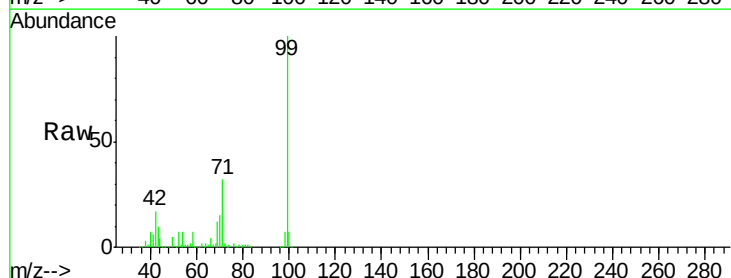
Tgt Ion: 99 Resp: 601917

Ion Ratio Lower Upper

99 100

42 17.3 13.3 19.9

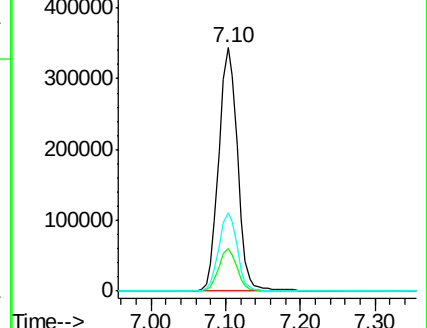
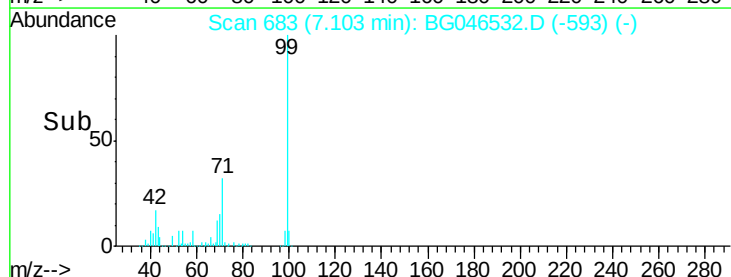
71 32.3 25.3 37.9

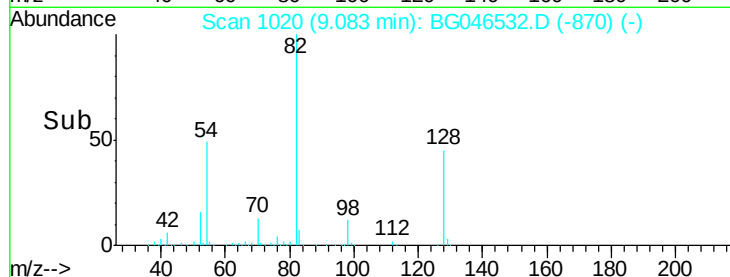
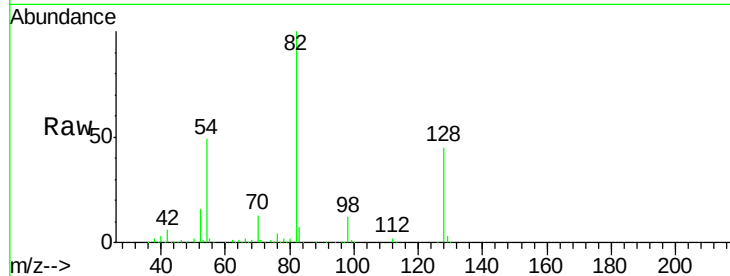
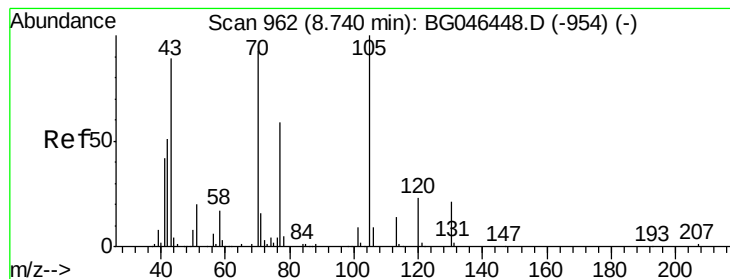


Abundance Ion 99.00 (98.70 to 99.70): BGC

Ion 42.00 (41.70 to 42.70): BGC

Ion 71.00 (70.70 to 71.70): BGC





#19

n-Nitroso-di-n-propylamine

Concen: 16.702 ng

RT: 9.08 min Scan# 1020

Delta R.T. 0.35 min

Lab File: BG046532.D

Acq: 4 Sep 2020 1:35

Instrument :

BNA_G

ClientSampleId :

CONCRETE-PILE

Tot Ion: 70 Resp: 60156

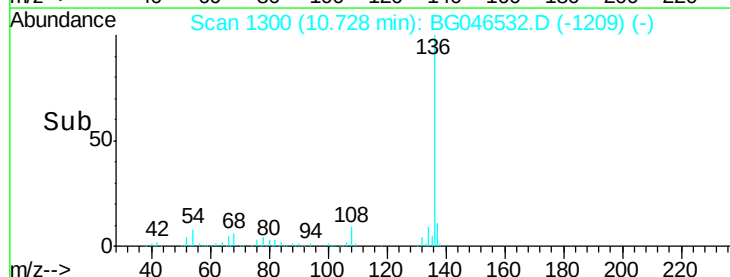
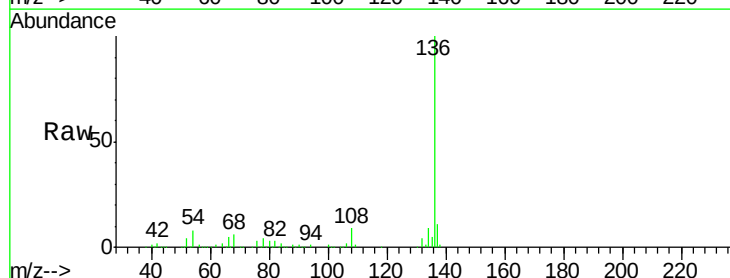
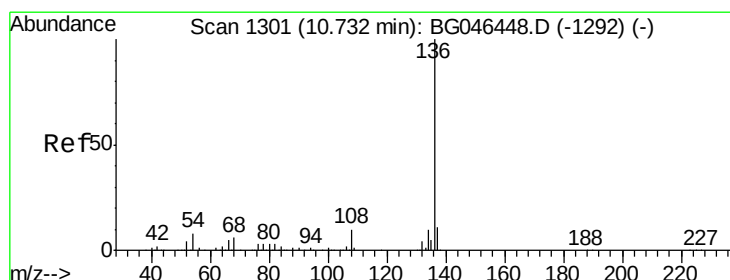
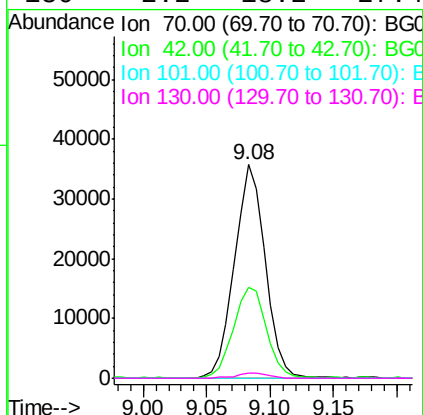
Ion Ratio Lower Upper

70 100

42 42.3 44.2 66.2#

101 0.0 7.8 11.8#

130 2.2 18.2 27.4#



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.73 min Scan# 1300

Delta R.T. 0.00 min

Lab File: BG046532.D

Acq: 4 Sep 2020 1:35

Tgt Ion: 136 Resp: 306521

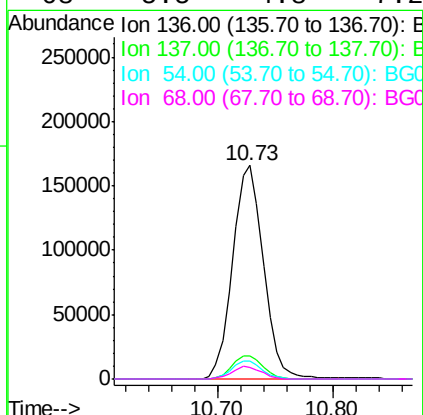
Ion Ratio Lower Upper

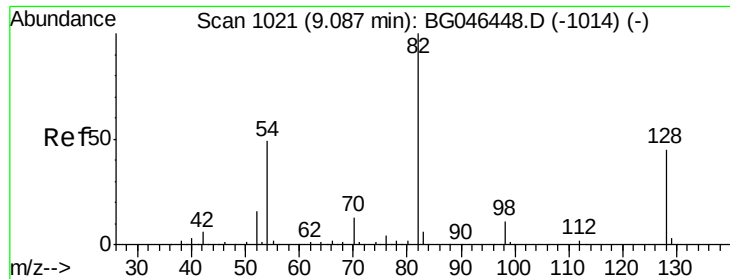
136 100

137 11.0 8.8 13.2

54 8.1 6.1 9.1

68 5.5 4.8 7.2

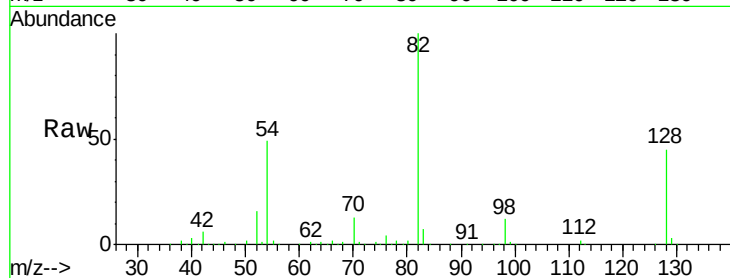




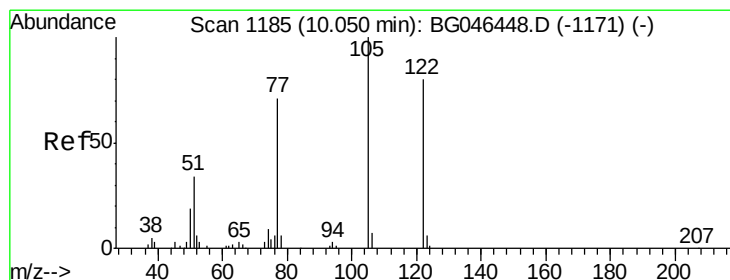
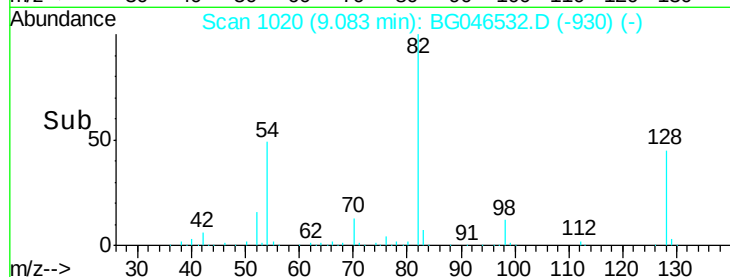
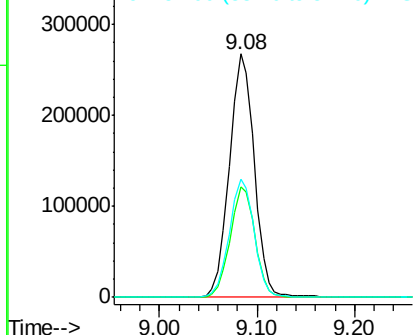
#23
 Nitrobenzene-d5
 Concen: 88.470 ng
 RT: 9.08 min Scan# 1020
 Delta R.T. -0.00 min
 Lab File: BG046532.D
 Acq: 4 Sep 2020 1:35

Instrument :
 BNA_G
 ClientSampleId :
 CONCRETE-PILE

Tot Ion: 82 Resp: 474464
 Ion Ratio Lower Upper
 82 100
 128 45.5 35.7 53.5
 54 48.6 39.4 59.0

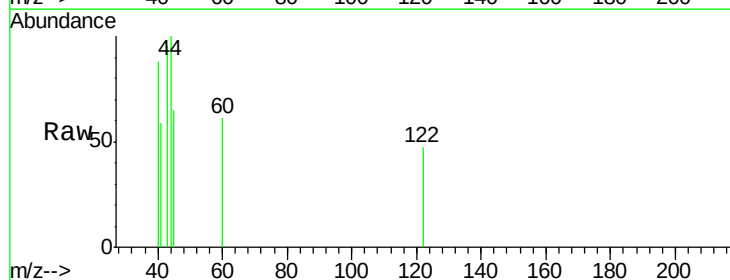


Abundance Ion 82.00 (81.70 to 82.70): BGC
 Ion 128.00 (127.70 to 128.70): BGC
 Ion 54.00 (53.70 to 54.70): BGC

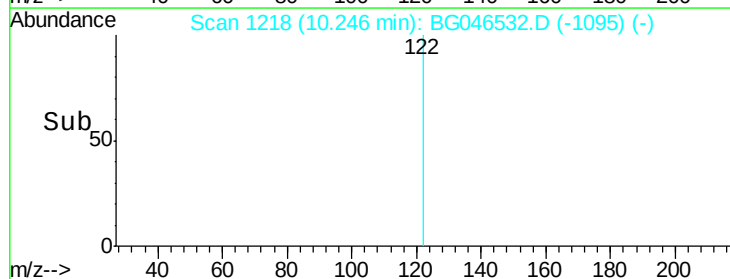
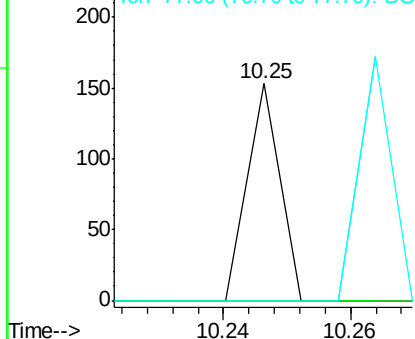


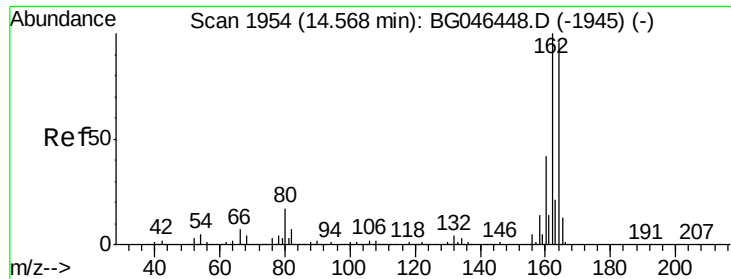
#32
 Benzoic acid
 Concen: 4.492 ng
 RT: 10.25 min Scan# 1218
 Delta R.T. 0.19 min
 Lab File: BG046532.D
 Acq: 4 Sep 2020 1:35

Tgt Ion: 122 Resp: 54
 Ion Ratio Lower Upper
 122 100
 105 0.0 102.5 142.5#
 77 0.0 68.2 108.2#



Abundance Ion 122.00 (121.70 to 122.70): BGC
 Ion 105.00 (104.70 to 105.70): BGC
 Ion 77.00 (76.70 to 77.70): BGC

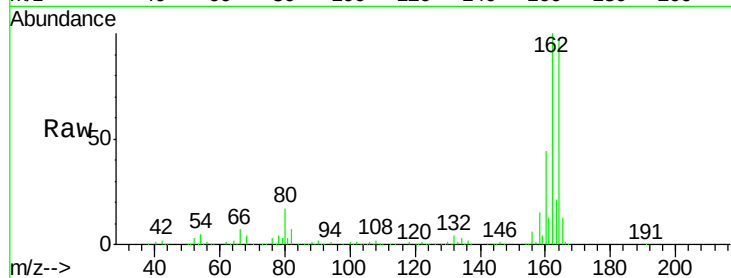




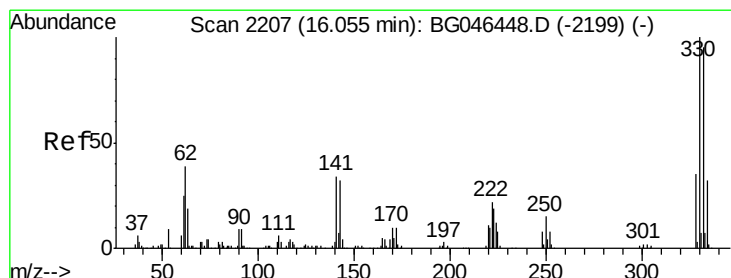
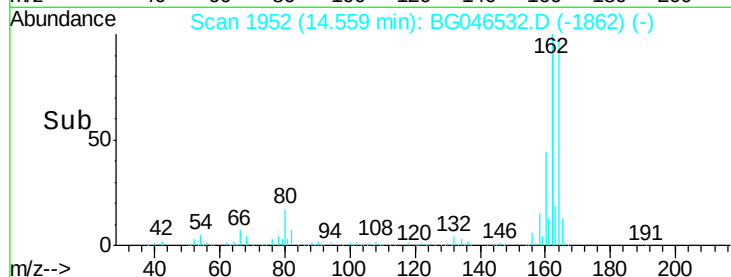
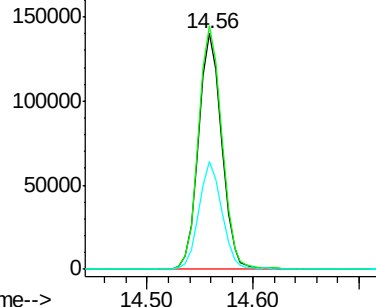
#39
 Acenaphthene-d10
 Concen: 20.000 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. -0.00 min
 Lab File: BG046532.D
 Acq: 4 Sep 2020 1:35

Instrument :
 BNA_G
 ClientSampleId :
 CONCRETE-PILE

Tot Ion	Ratio	Lower	Upper
164	100		
162	103.2	83.3	124.9
160	45.7	35.0	52.6

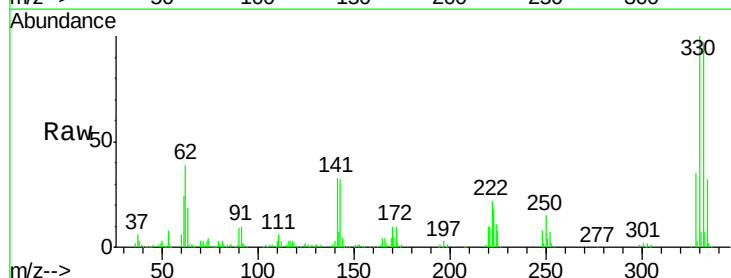


Abundance Ion 164.00 (163.70 to 164.70): E
 Ion 162.00 (161.70 to 162.70): E
 Ion 160.00 (159.70 to 160.70): E

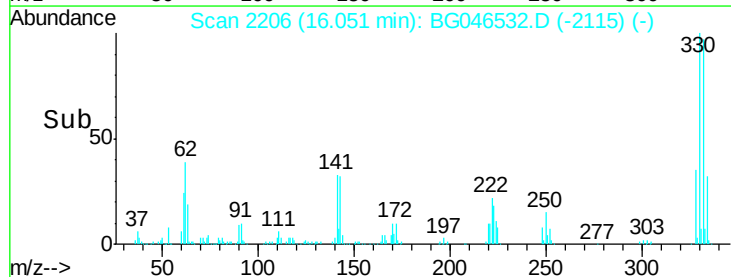
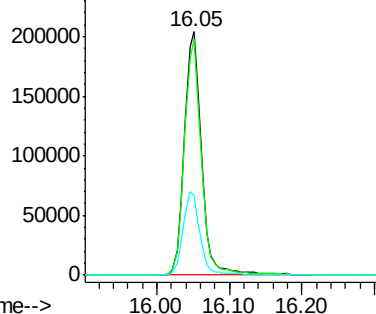


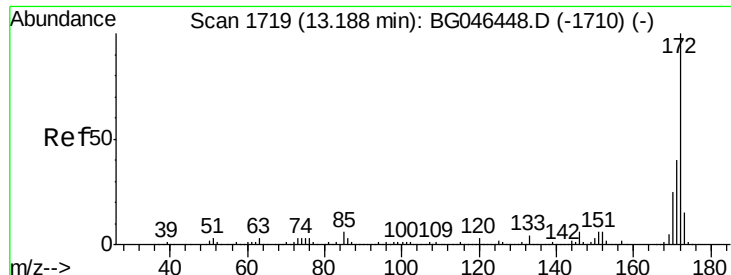
#42
 2,4,6-Tribromophenol
 Concen: 116.475 ng
 RT: 16.05 min Scan# 2206
 Delta R.T. 0.00 min
 Lab File: BG046532.D
 Acq: 4 Sep 2020 1:35

Tgt Ion	Ratio	Lower	Upper
330	100		
332	96.2	76.1	114.1
141	33.8	26.1	39.1



Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

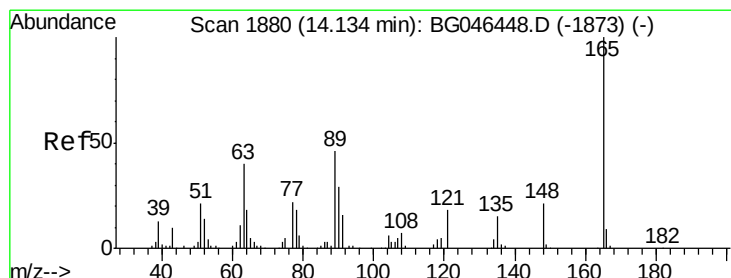
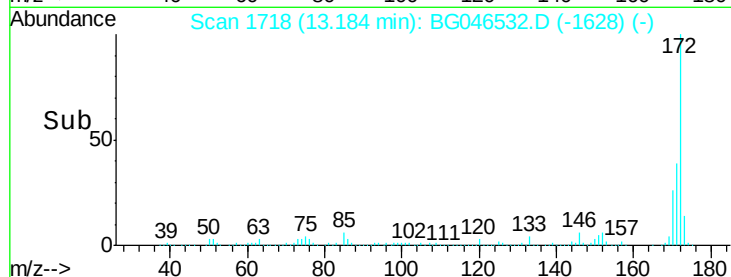
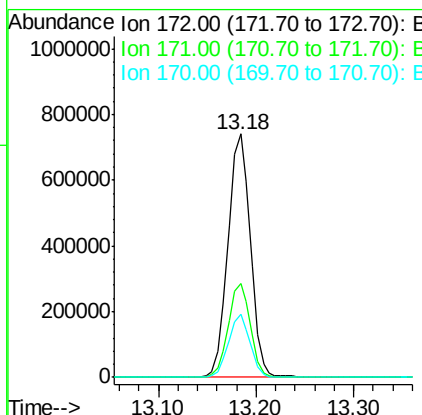
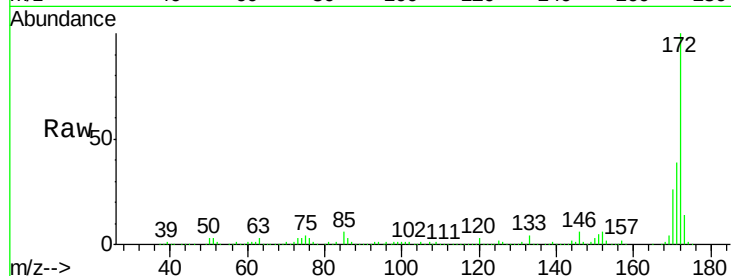




#45
 2-Fluorobiphenyl
 Concen: 84.789 ng
 RT: 13.18 min Scan# 1718
 Delta R.T. -0.00 min
 Lab File: BG046532.D
 Acq: 4 Sep 2020 1:35

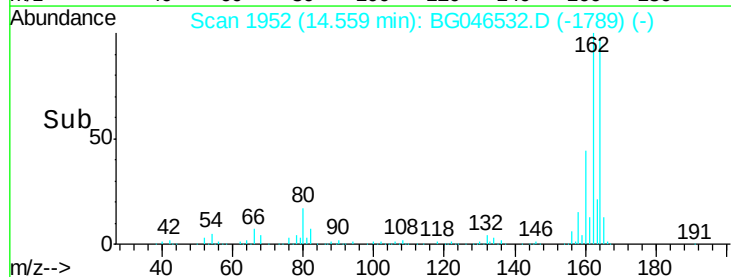
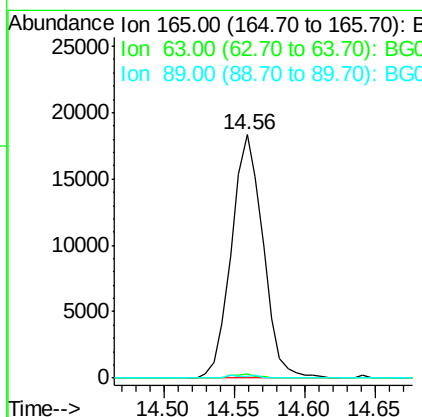
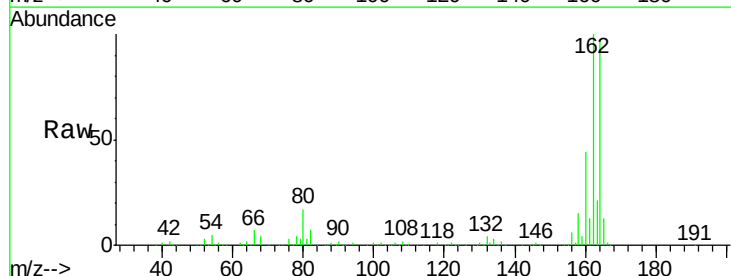
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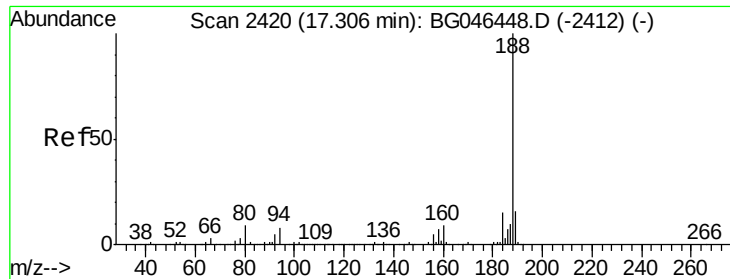
Tot Ion:172 Resp: 1185033
 Ion Ratio Lower Upper
 172 100
 171 38.7 31.8 47.6
 170 25.7 20.3 30.5



#51
 2,6-Dinitrotoluene
 Concen: 7.868 ng
 RT: 14.56 min Scan# 1952
 Delta R.T. 0.43 min
 Lab File: BG046532.D
 Acq: 4 Sep 2020 1:35

Tgt Ion:165 Resp: 28629
 Ion Ratio Lower Upper
 165 100
 63 1.5 34.2 51.4#
 89 1.0 37.0 55.4#

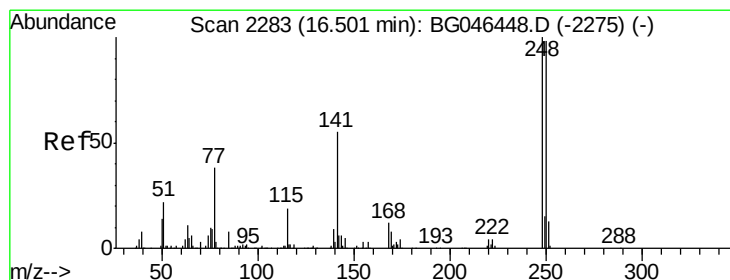
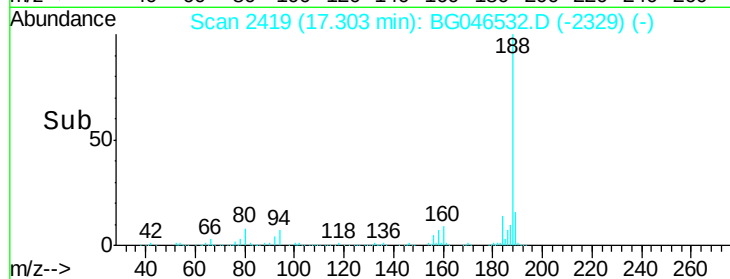
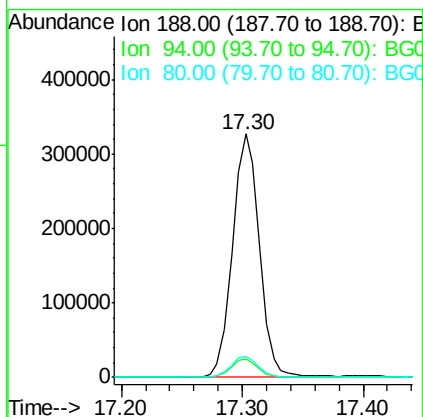
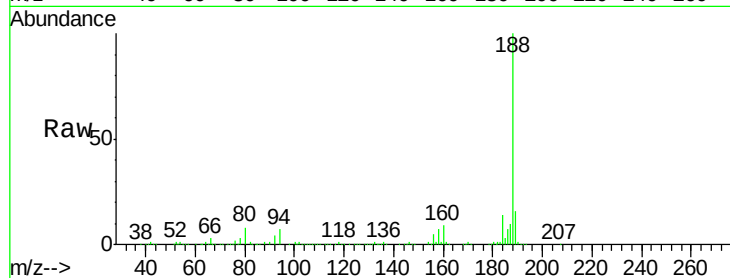




#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.30 min Scan# 2419
 Delta R.T. -0.00 min
 Lab File: BG046532.D
 Acq: 4 Sep 2020 1:35

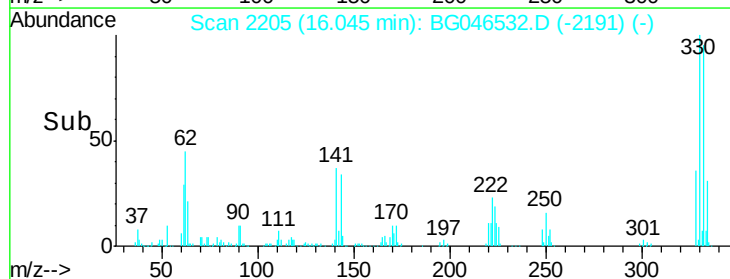
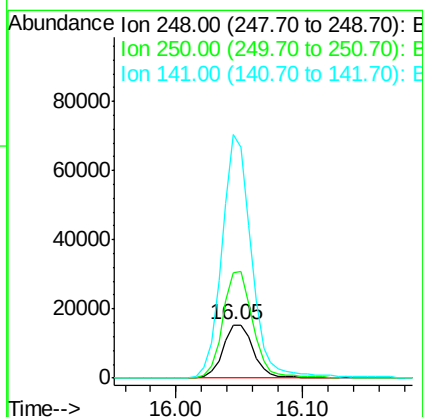
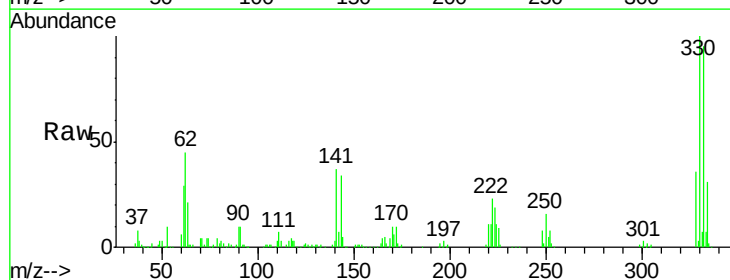
Instrument :
 BNA_G
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 CONCRETE-PILE

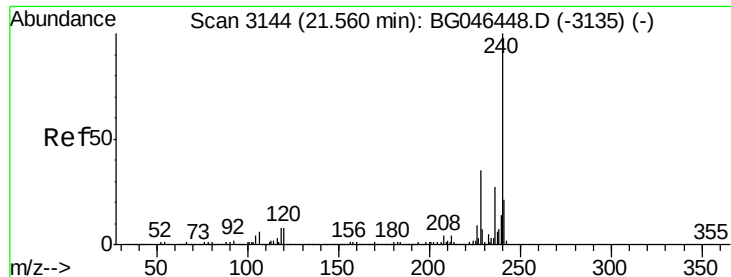
Tot Ion:188 Resp: 506843
 Ion Ratio Lower Upper
 188 100
 94 7.4 6.3 9.5
 80 8.5 6.9 10.3



#67
 4-Bromophenyl-phenylether
 Concen: 4.349 ng
 RT: 16.05 min Scan# 2205
 Delta R.T. -0.45 min
 Lab File: BG046532.D
 Acq: 4 Sep 2020 1:35

Tgt Ion:248 Resp: 25715
 Ion Ratio Lower Upper
 248 100
 250 197.0 78.6 118.0#
 141 456.6 43.9 65.9#

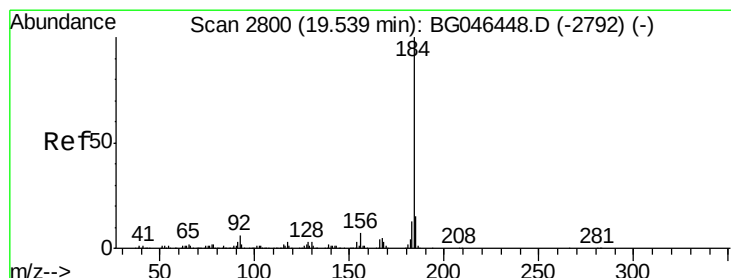
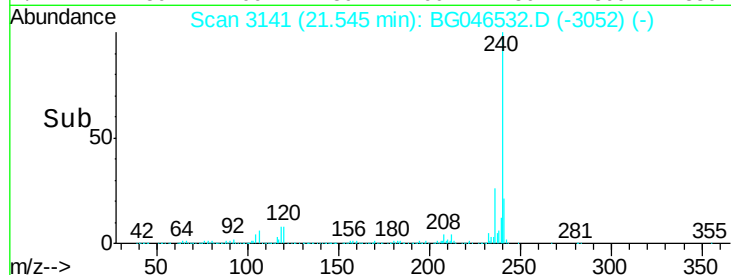
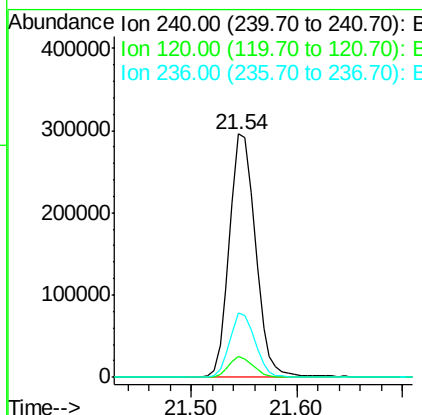
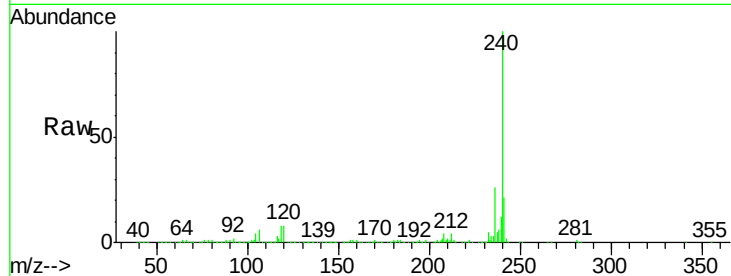




#76
 Chrysene-d12
 Concen: 20.000 ng
 RT: 21.54 min Scan# 3141
 Delta R.T. -0.01 min
 Lab File: BG046532.D
 Acq: 4 Sep 2020 1:35

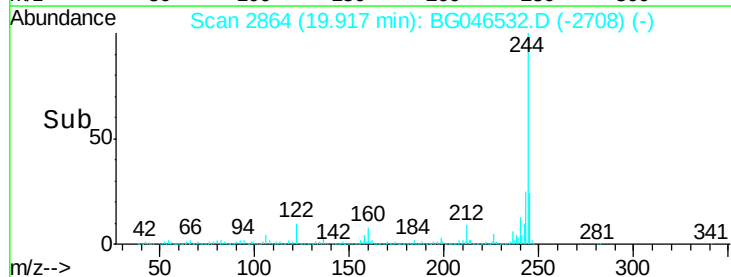
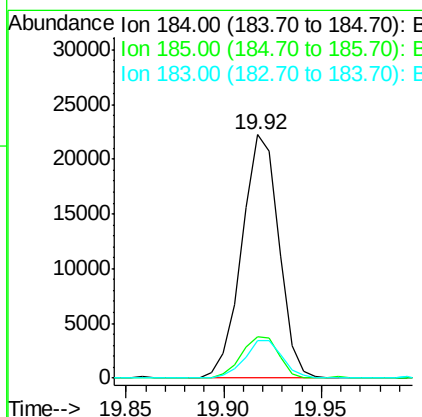
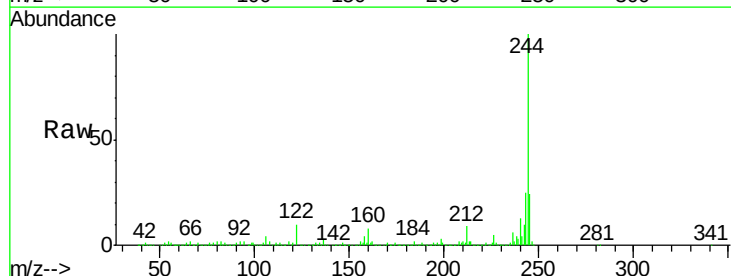
Instrument :
 BNA_G
 ClientSampleId :
 CONCRETE-PILE

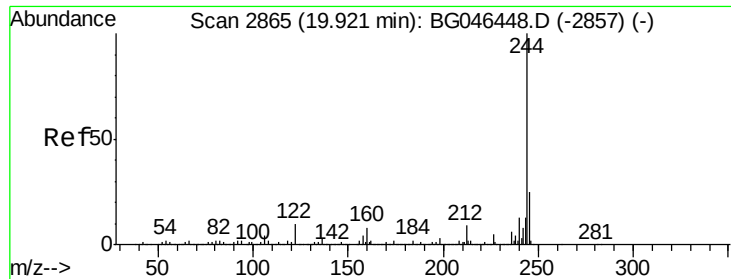
Tot Ion:240 Resp: 508040
 Ion Ratio Lower Upper
 240 100
 120 8.4 6.6 10.0
 236 26.3 21.4 32.2



#77
 Benzidine
 Concen: 2.477 ng
 RT: 19.92 min Scan# 2864
 Delta R.T. 0.38 min
 Lab File: BG046532.D
 Acq: 4 Sep 2020 1:35

Tgt Ion:184 Resp: 29243
 Ion Ratio Lower Upper
 184 100
 185 17.1 11.8 17.8
 183 15.4 10.7 16.1





#79

Terphenyl-d14

Concen: 78.274 ng

RT: 19.92 min Scan# 2864

Delta R.T. -0.00 min

Lab File: BG046532.D

Acq: 4 Sep 2020 1:35

Instrument :

BNA_G

ClientSampleId :

CONCRETE-PILE

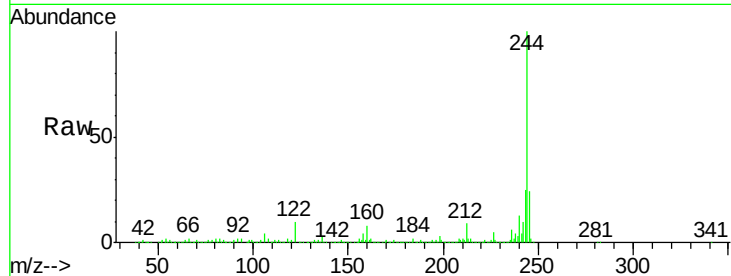
Tot Ion:244 Resp: 1868564

Ion Ratio Lower Upper

244 100

212 8.6 6.9 10.3

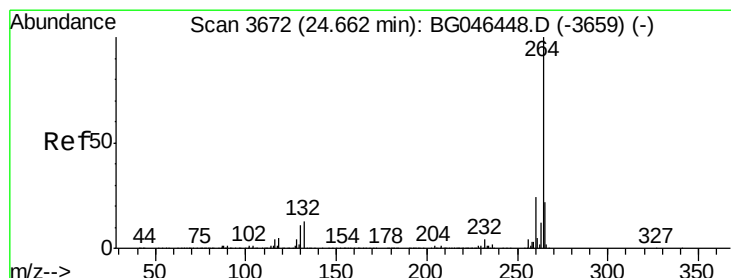
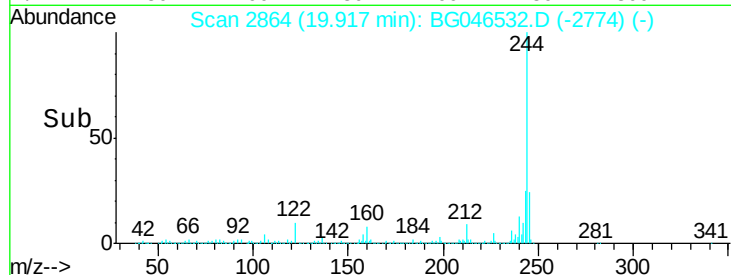
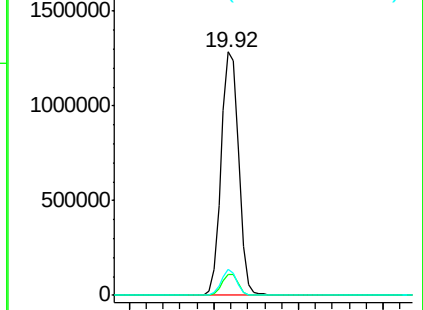
122 10.5 8.2 12.4



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.65 min Scan# 3669

Delta R.T. -0.01 min

Lab File: BG046532.D

Acq: 4 Sep 2020 1:35

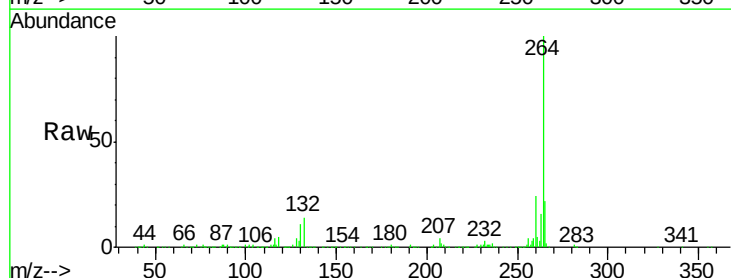
Tgt Ion:264 Resp: 497508

Ion Ratio Lower Upper

264 100

260 24.3 19.2 28.8

265 22.1 17.9 26.9



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

