

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG122223\
 Data File : BG060151.D
 Acq On : 23 Dec 2023 00:16
 Operator : MA/JU
 Sample : 05929-07
 Misc :
 ALS Vial : 26 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CONCRETE-PAD-4

Quant Time: Dec 25 00:41:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG122123.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 22 03:42:04 2023
 Response via : Initial Calibration

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

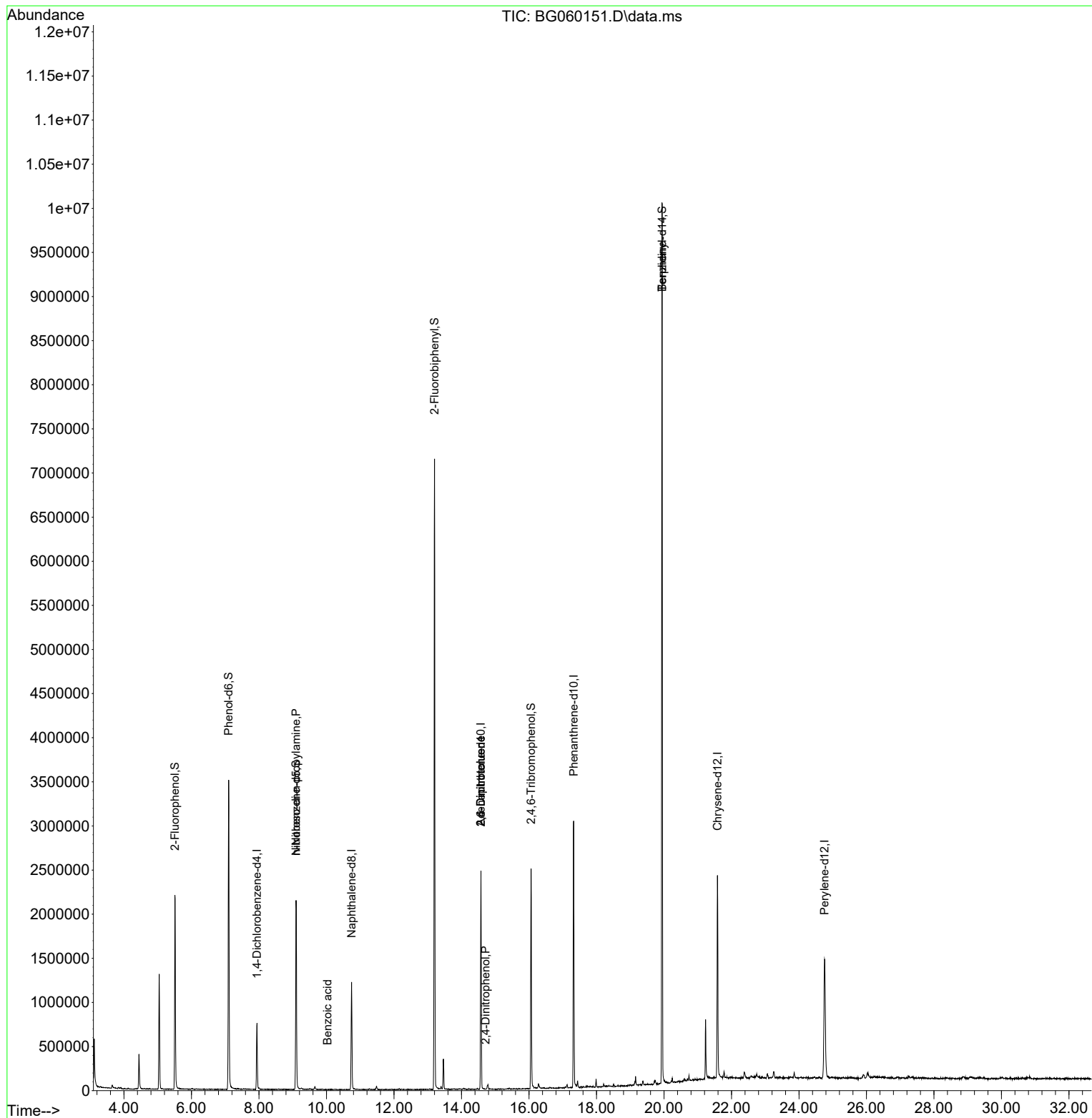
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.943	152	230634	20.000	ng	0.00
21) Naphthalene-d8	10.745	136	1048364	20.000	ng	0.00
39) Acenaphthene-d10	14.576	164	855404	20.000	ng	0.00
64) Phenanthrene-d10	17.326	188	2007741	20.000	ng	0.00
76) Chrysene-d12	21.585	240	1359012	20.000	ng	0.00
86) Perylene-d12	24.758	264	1517632	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1064007	72.694	ng	0.00
7) Phenol-d6	7.102	99	2246393	91.194	ng	0.00
23) Nitrobenzene-d5	9.100	82	1419625	66.335	ng	0.00
42) 2,4,6-Tribromophenol	16.062	330	505826	43.919	ng	0.00
45) 2-Fluorobiphenyl	13.201	172	3770285	66.182	ng	0.00
79) Terphenyl-d14	19.946	244	4754582	63.308	ng	0.00
Target Compounds						
						Qvalue
19) n-Nitroso-di-n-propyla...	9.100	70	178422	9.315	ng	# 77
32) Benzoic acid	10.034	122	194	5.102	ng	# 1
51) 2,6-Dinitrotoluene	14.576	165	110862	7.366	ng	# 25
54) 2,4-Dinitrophenol	14.711	184	240	6.641	ng	# 22
57) 2,4-Dinitrotoluene	14.576	165	110862	5.018	ng	# 24
77) Benzidine	19.946	184	83827	2.281	ng	# 92

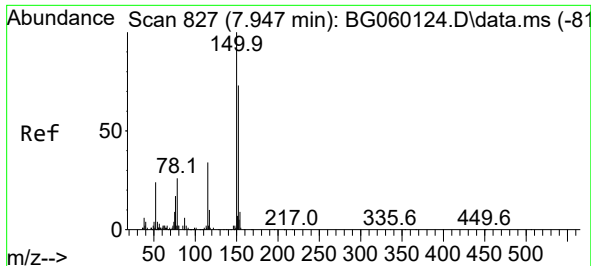
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Fri Dec 22 03:42:04 2023
Response via : Initial Calibration

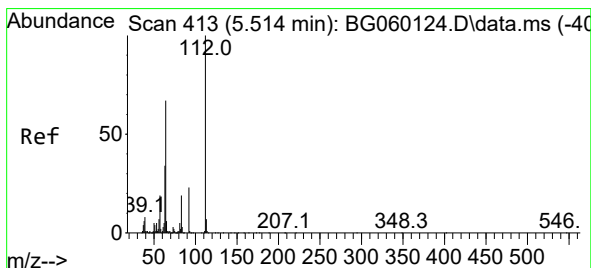
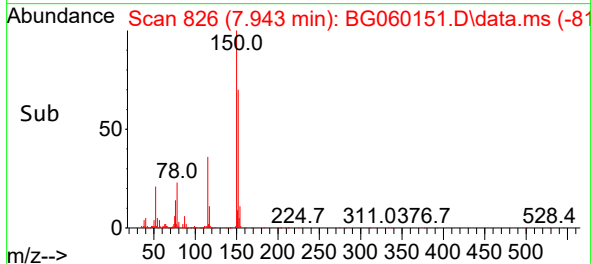
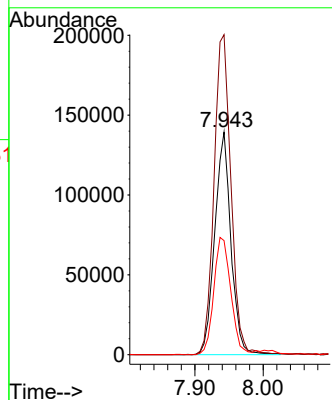
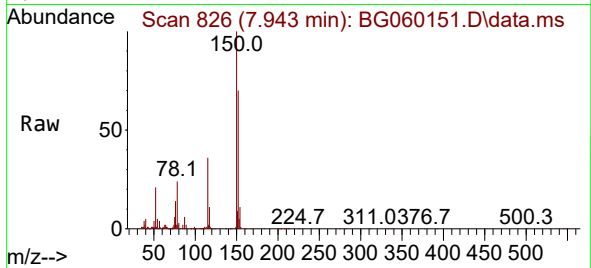




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.943 min Scan# 81
Delta R.T. -0.004 min
Lab File: BG060151.D
Acq: 23 Dec 2023 00:16

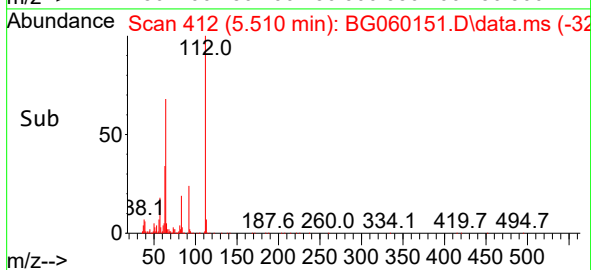
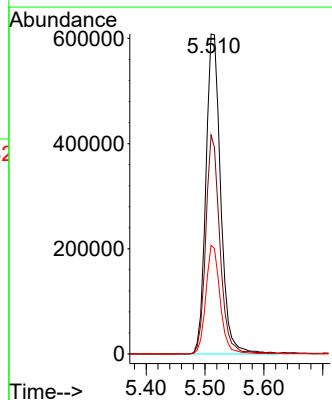
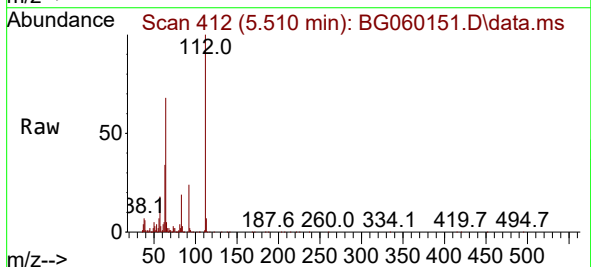
Instrument :
BNA_G
ClientSampleId :
CONCRETE-PAD-4

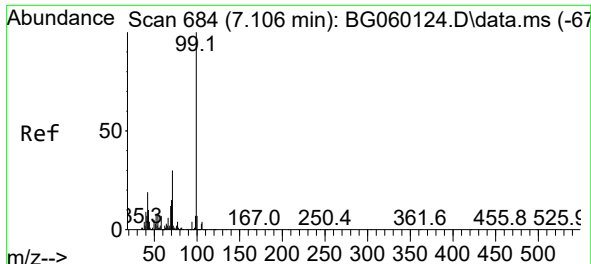
Tgt Ion:152 Resp: 230634
Ion Ratio Lower Upper
152 100
150 143.8 109.4 164.0
115 51.3 36.5 54.7



#5
2-Fluorophenol
Concen: 72.694 ng
RT: 5.510 min Scan# 412
Delta R.T. -0.004 min
Lab File: BG060151.D
Acq: 23 Dec 2023 00:16

Tgt Ion:112 Resp: 1064007
Ion Ratio Lower Upper
112 100
64 68.4 53.3 79.9
63 34.0 27.1 40.7

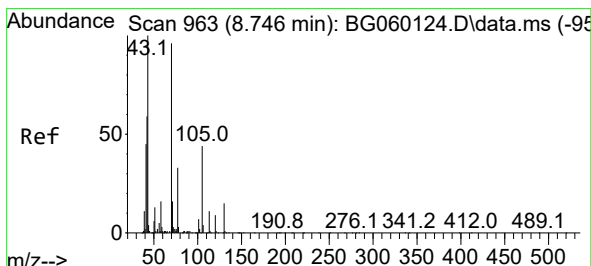
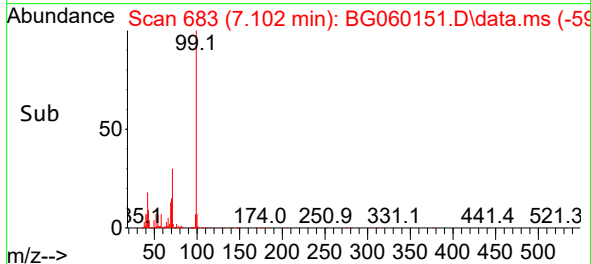
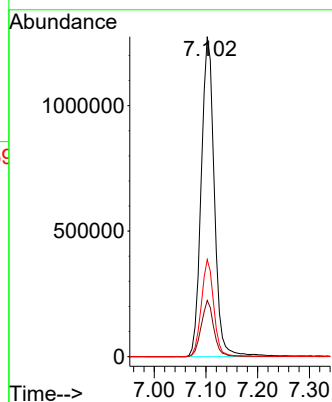
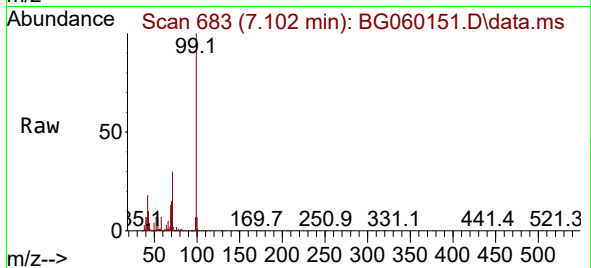




#7
Phenol-d6
Concen: 91.194 ng
RT: 7.102 min Scan# 61
Delta R.T. -0.004 min
Lab File: BG060151.D
Acq: 23 Dec 2023 00:16

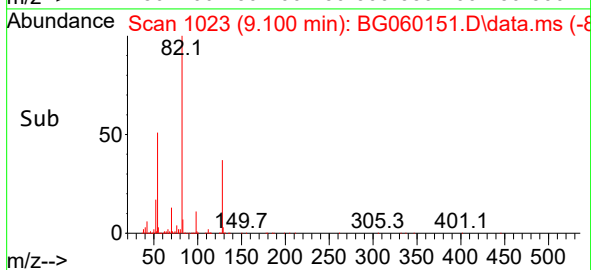
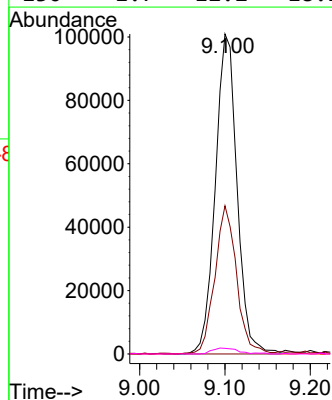
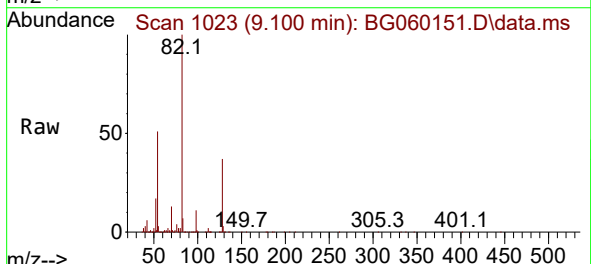
Instrument :
BNA_G
ClientSampleId :
CONCRETE-PAD-4

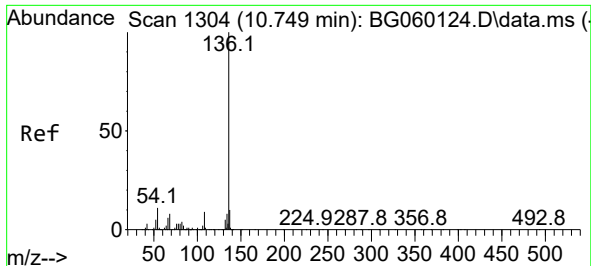
Tgt Ion: 99 Resp: 2246393
Ion Ratio Lower Upper
99 100
42 17.6 15.2 22.8
71 30.3 24.2 36.2



#19
n-Nitroso-di-n-propylamine
Concen: 9.315 ng
RT: 9.100 min Scan# 1023
Delta R.T. 0.354 min
Lab File: BG060151.D
Acq: 23 Dec 2023 00:16

Tgt Ion: 70 Resp: 178422
Ion Ratio Lower Upper
70 100
42 46.3 49.6 74.4#
101 0.0 6.2 9.4#
130 1.7 12.2 18.2#

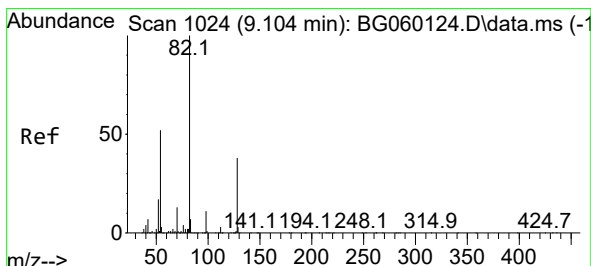
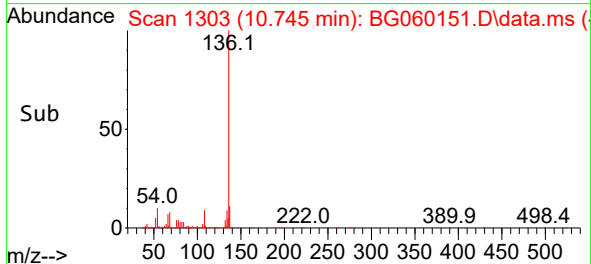
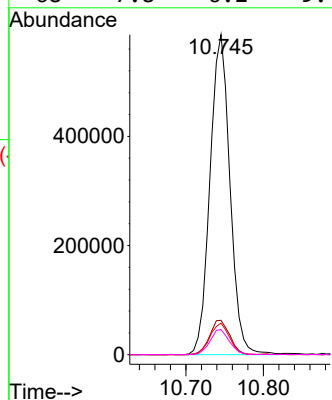
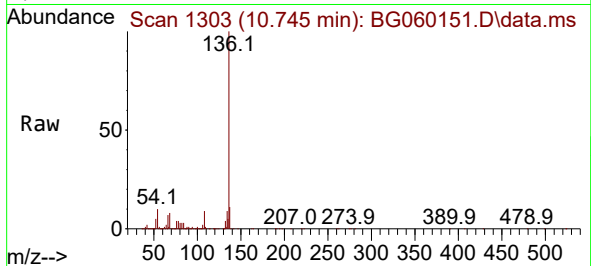




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.745 min Scan# 11
Delta R.T. -0.004 min
Lab File: BG060151.D
Acq: 23 Dec 2023 00:16

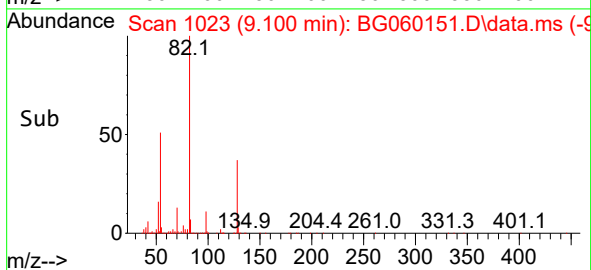
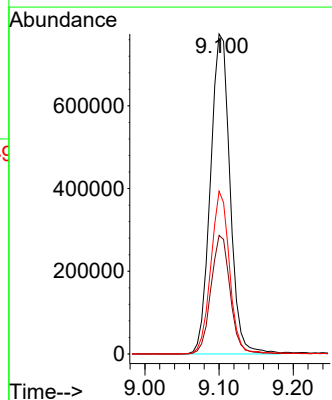
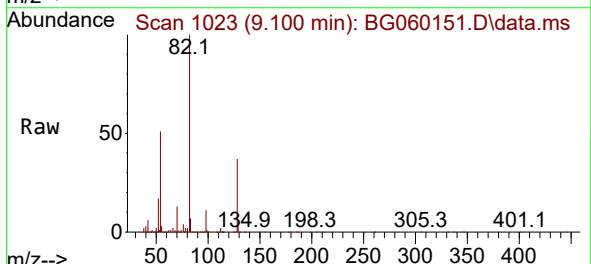
Instrument :
BNA_G
ClientSampleId :
CONCRETE-PAD-4

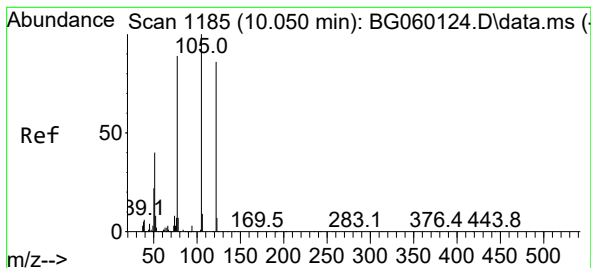
Tgt Ion:136 Resp: 1048364
Ion Ratio Lower Upper
136 100
137 10.7 8.1 12.1
54 9.9 8.7 13.1
68 7.8 6.2 9.4



#23
Nitrobenzene-d5
Concen: 66.335 ng
RT: 9.100 min Scan# 1023
Delta R.T. -0.004 min
Lab File: BG060151.D
Acq: 23 Dec 2023 00:16

Tgt Ion: 82 Resp: 1419625
Ion Ratio Lower Upper
82 100
128 37.0 30.5 45.7
54 50.9 41.9 62.9





#32

Benzoic acid

Concen: 5.102 ng

RT: 10.034 min Scan# 1182

Delta R.T. -0.016 min

Lab File: BG060151.D

Acq: 23 Dec 2023 00:16

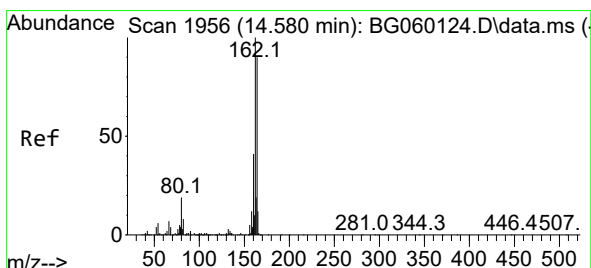
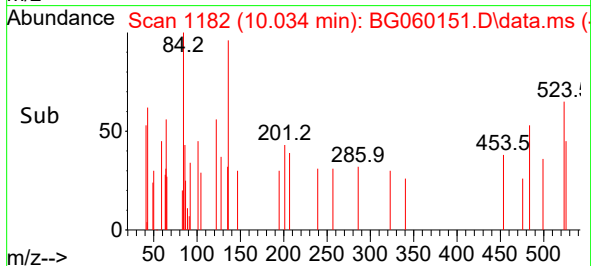
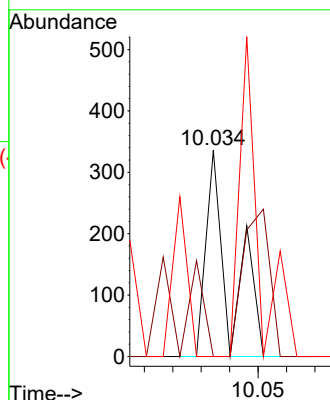
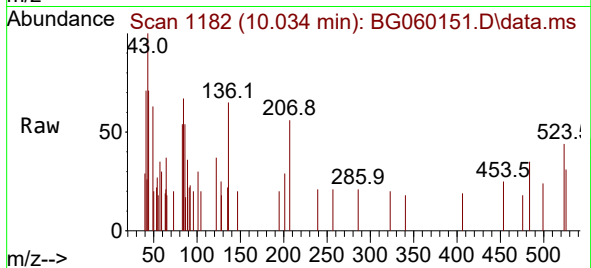
Instrument :

BNA_G

ClientSampleId :

CONCRETE-PAD-4

Tgt Ion:	122	Resp:	194
Ion Ratio	Lower	Upper	
122	100		
105	0.0	93.2	133.2#
77	0.0	81.7	121.7#



#39

Acenaphthene-d10

Concen: 20.000 ng

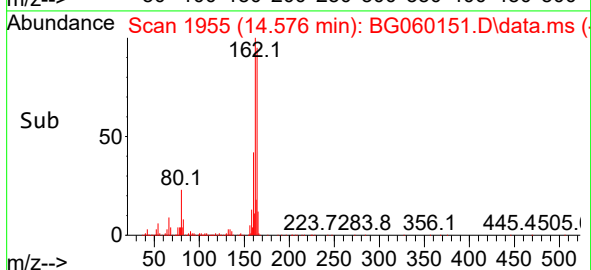
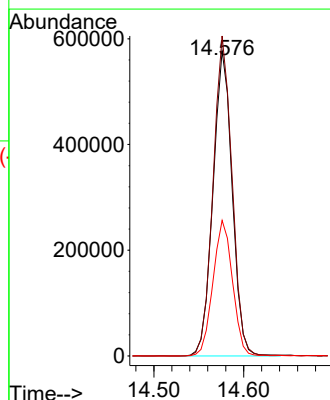
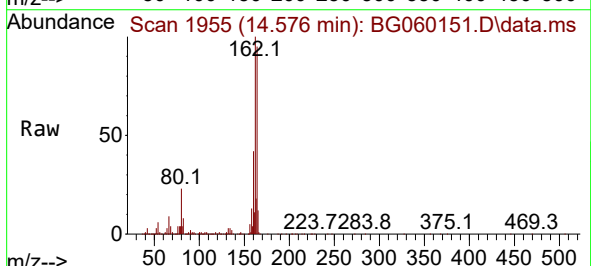
RT: 14.576 min Scan# 1955

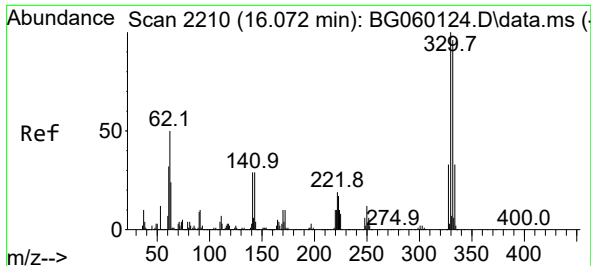
Delta R.T. -0.004 min

Lab File: BG060151.D

Acq: 23 Dec 2023 00:16

Tgt Ion:	164	Resp:	855404
Ion Ratio	Lower	Upper	
164	100		
162	104.8	88.5	132.7
160	44.4	36.2	54.2

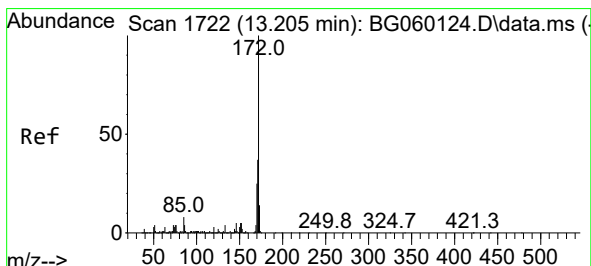
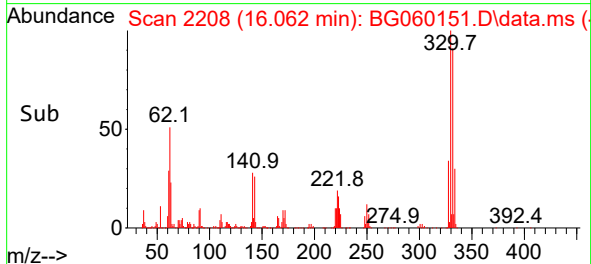
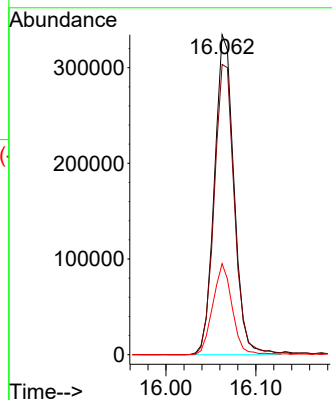
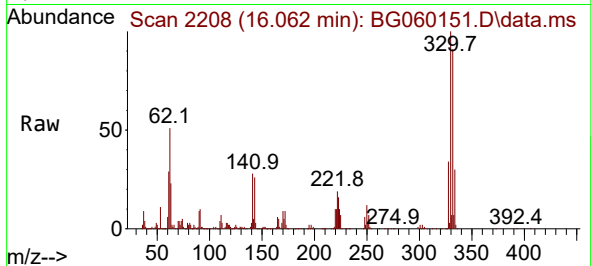




#42
2,4,6-Tribromophenol
Concen: 43.919 ng
RT: 16.062 min Scan# 21
Delta R.T. -0.010 min
Lab File: BG060151.D
Acq: 23 Dec 2023 00:16

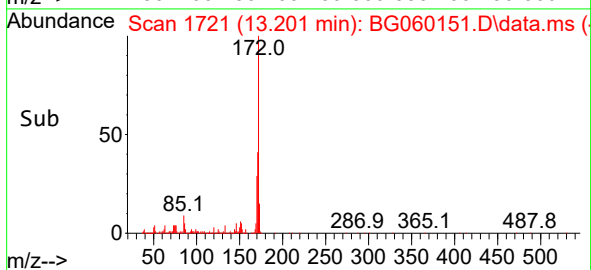
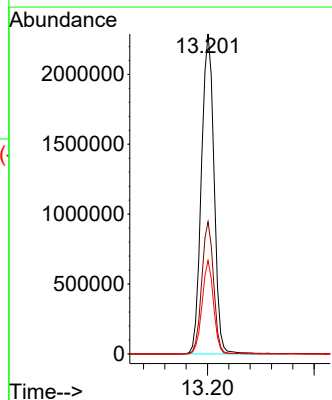
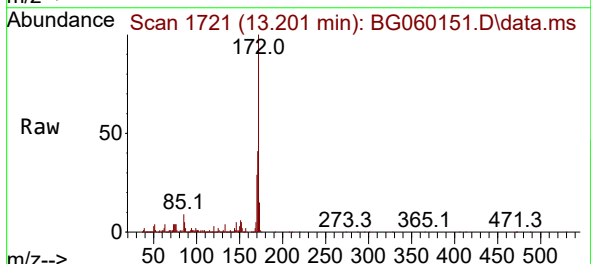
Instrument :
BNA_G
ClientSampleId :
CONCRETE-PAD-4

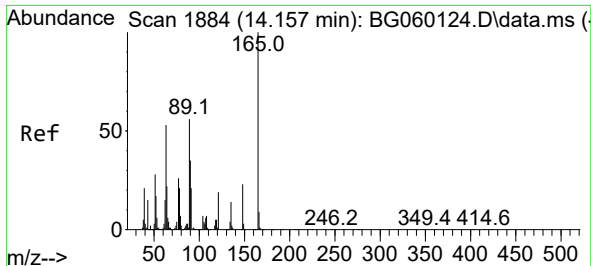
Tgt Ion:330 Resp: 505826
Ion Ratio Lower Upper
330 100
332 93.9 75.5 113.3
141 28.2 24.7 37.1



#45
2-Fluorobiphenyl
Concen: 66.182 ng
RT: 13.201 min Scan# 1721
Delta R.T. -0.004 min
Lab File: BG060151.D
Acq: 23 Dec 2023 00:16

Tgt Ion:172 Resp: 3770285
Ion Ratio Lower Upper
172 100
171 41.3 29.2 43.8
170 29.2 20.1 30.1

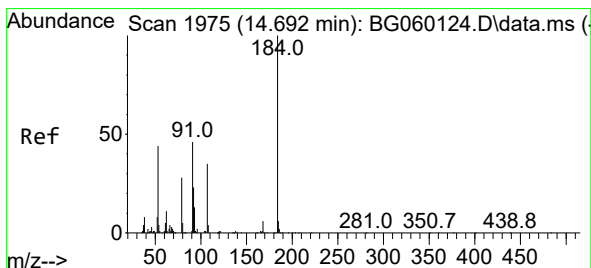
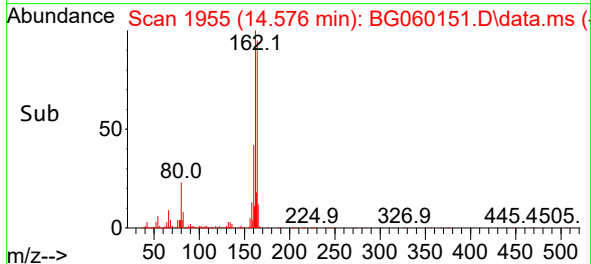
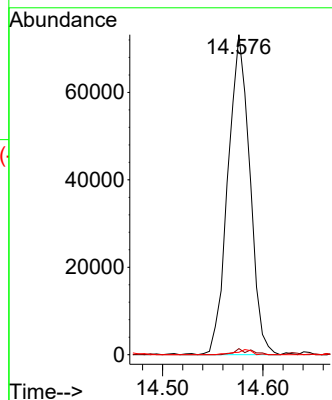
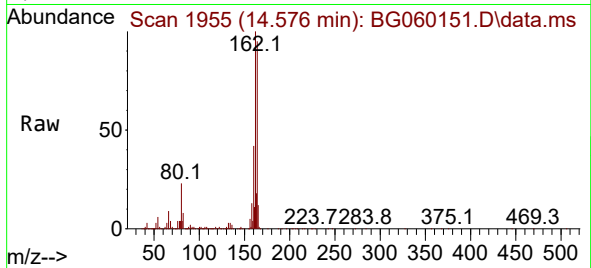




#51
2,6-Dinitrotoluene
Concen: 7.366 ng
RT: 14.576 min Scan# 11
Delta R.T. 0.419 min
Lab File: BG060151.D
Acq: 23 Dec 2023 00:16

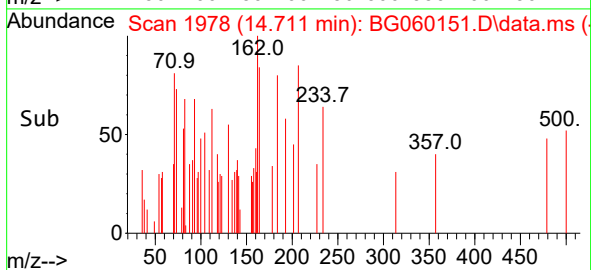
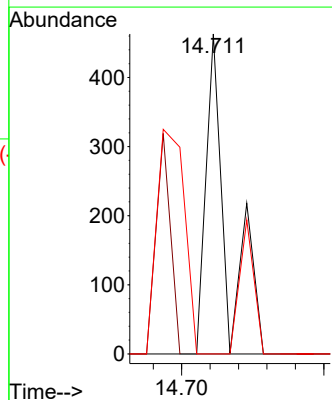
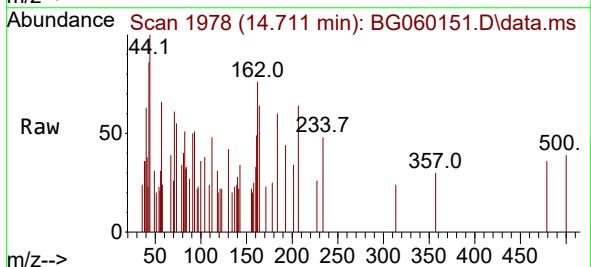
Instrument :
BNA_G
ClientSampleId :
CONCRETE-PAD-4

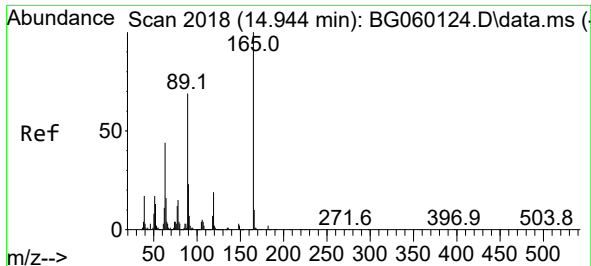
Tgt Ion:165 Resp: 110862
Ion Ratio Lower Upper
165 100
63 1.9 45.4 68.2#
89 0.8 44.6 66.8#



#54
2,4-Dinitrophenol
Concen: 6.641 ng
RT: 14.711 min Scan# 1978
Delta R.T. 0.019 min
Lab File: BG060151.D
Acq: 23 Dec 2023 00:16

Tgt Ion:184 Resp: 240
Ion Ratio Lower Upper
184 100
63 0.0 48.1 72.1#
154 0.0 44.3 66.5#





#57

2,4-Dinitrotoluene

Concen: 5.018 ng

RT: 14.576 min Scan# 1955

Delta R.T. -0.368 min

Lab File: BG060151.D

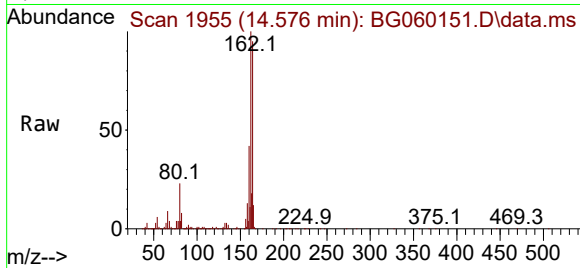
Acq: 23 Dec 2023 00:16

Instrument :

BNA_G

ClientSampleId :

CONCRETE-PAD-4



Tgt Ion:165 Resp: 110862

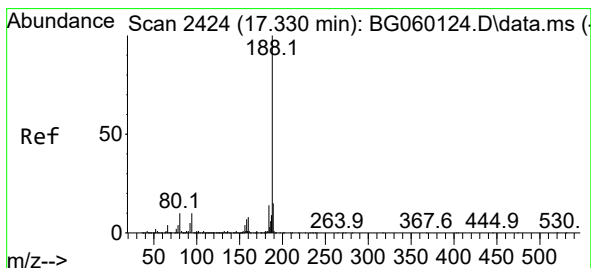
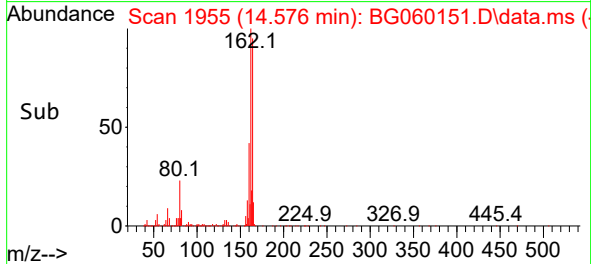
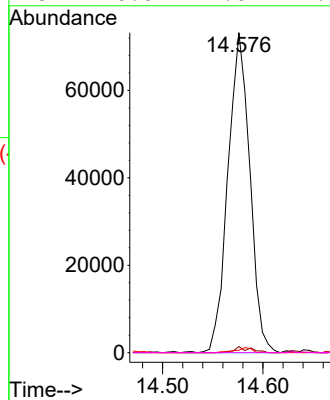
Ion Ratio Lower Upper

165 100

63 1.9 35.4 53.0#

89 0.8 55.6 83.4#

182 0.0 1.6 2.4#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.326 min Scan# 2423

Delta R.T. -0.004 min

Lab File: BG060151.D

Acq: 23 Dec 2023 00:16

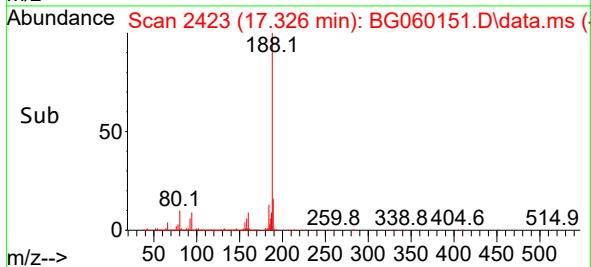
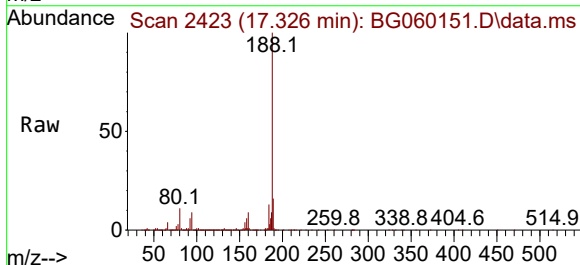
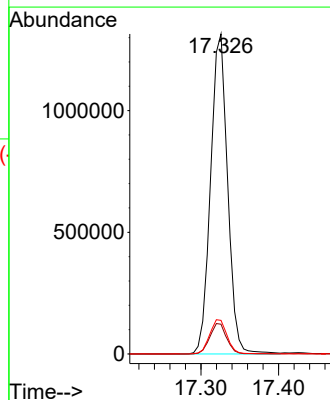
Tgt Ion:188 Resp: 2007741

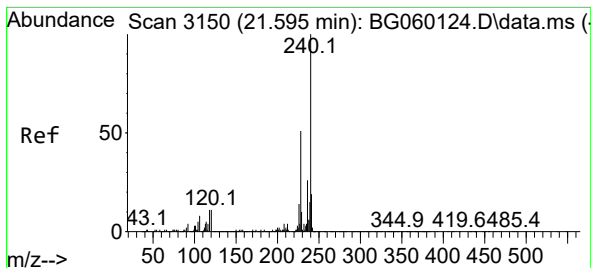
Ion Ratio Lower Upper

188 100

94 9.3 7.6 11.4

80 10.5 7.9 11.9





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.585 min Scan# 31

Delta R.T. -0.010 min

Lab File: BG060151.D

Acq: 23 Dec 2023 00:16

Instrument :

BNA_G

ClientSampleId :

CONCRETE-PAD-4

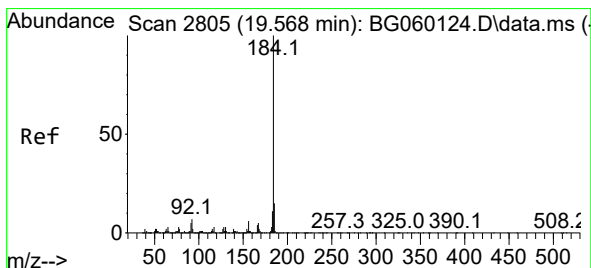
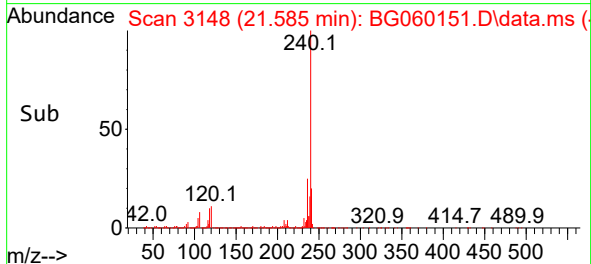
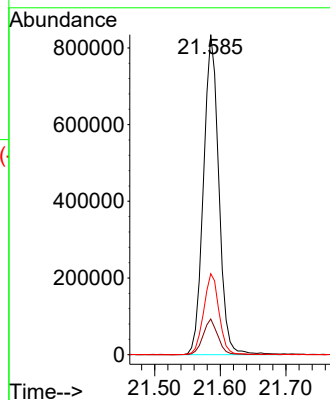
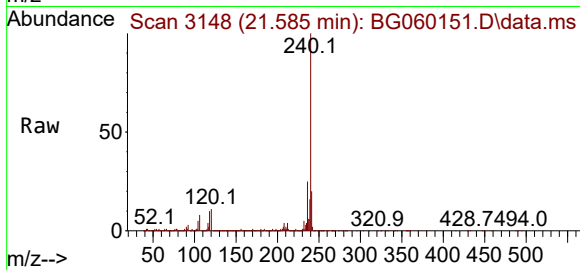
Tgt Ion:240 Resp: 1359012

Ion Ratio Lower Upper

240 100

120 11.2 9.0 13.6

236 25.3 20.4 30.6



#77

Benzidine

Concen: 2.281 ng

RT: 19.946 min Scan# 2869

Delta R.T. 0.378 min

Lab File: BG060151.D

Acq: 23 Dec 2023 00:16

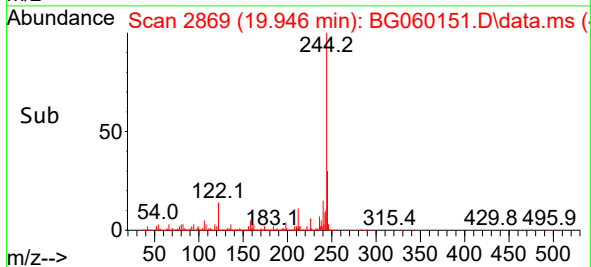
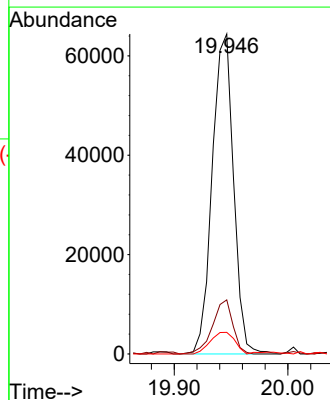
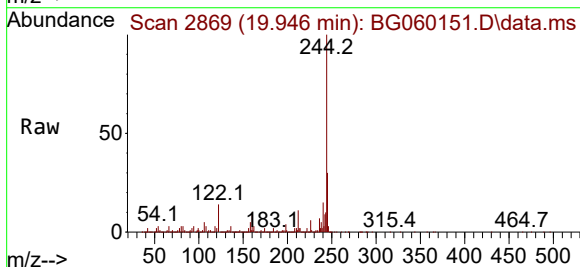
Tgt Ion:184 Resp: 83827

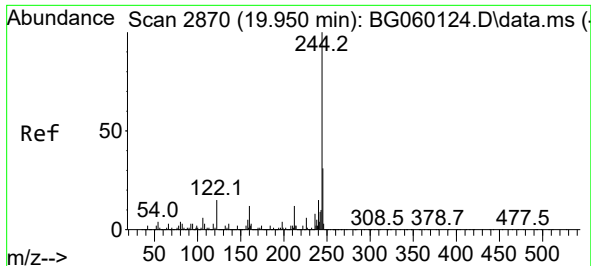
Ion Ratio Lower Upper

184 100

185 16.9 11.7 17.5

183 6.8 9.0 13.6#





#79

Terphenyl-d14

Concen: 63.308 ng

RT: 19.946 min Scan# 21

Delta R.T. -0.004 min

Lab File: BG060151.D

Acq: 23 Dec 2023 00:16

Instrument :

BNA_G

ClientSampleId :

CONCRETE-PAD-4

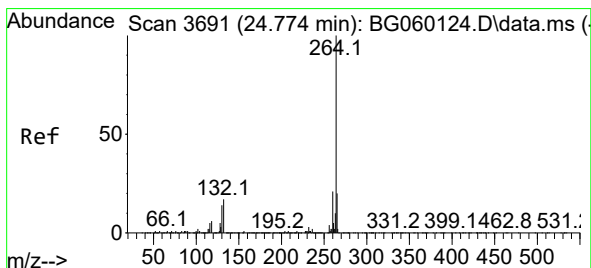
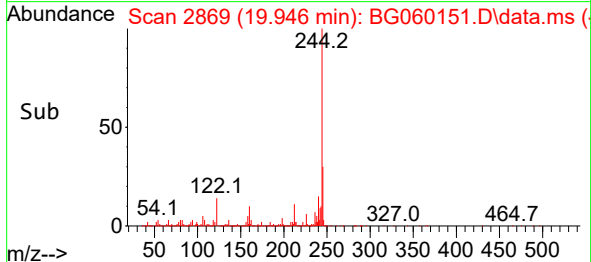
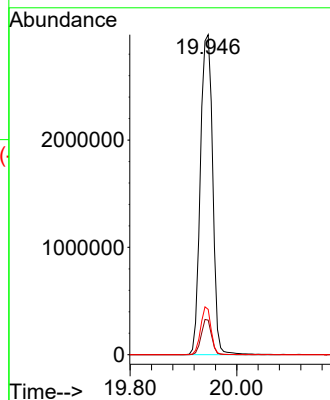
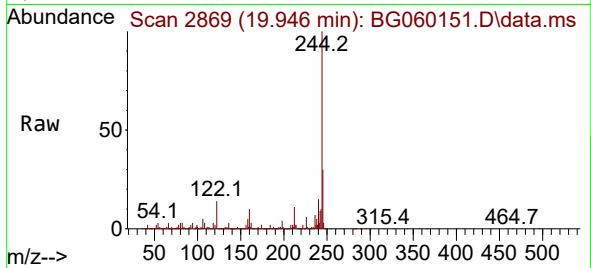
Tgt Ion:244 Resp: 4754582

Ion Ratio Lower Upper

244 100

212 10.8 9.5 14.3

122 14.2 12.2 18.4



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.758 min Scan# 3688

Delta R.T. -0.016 min

Lab File: BG060151.D

Acq: 23 Dec 2023 00:16

Tgt Ion:264 Resp: 1517632

Ion Ratio Lower Upper

264 100

260 23.0 17.1 25.7

265 22.0 16.0 24.0

