

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
 Data File : BG060989.D
 Acq On : 22 Apr 2024 13:16
 Operator : MA/JU
 Sample : P2189-01
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 CONCRETE-VAULT

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 04/24/2024
 Supervised By :mohammad ahmed 04/24/2024

Quant Time: Apr 23 02:15:58 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Apr 22 04:22:00 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.941	152	21931	20.000	ng	0.00
21) Naphthalene-d8	10.732	136	81638	20.000	ng	# 0.00
39) Acenaphthene-d10	14.563	164	69734	20.000	ng	0.00
64) Phenanthrene-d10	17.313	188	173613	20.000	ng	0.00
76) Chrysene-d12	21.572	240	171351	20.000	ng	0.00
86) Perylene-d12	24.686	264	207233	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.526	112	96207	88.734	ng	0.00
7) Phenol-d6	7.107	99	142519	88.594	ng	0.00
23) Nitrobenzene-d5	9.093	82	110851	61.006	ng	0.00
42) 2,4,6-Tribromophenol	16.055	330	75290	49.167	ng	0.00
45) 2-Fluorobiphenyl	13.188	172	318505	63.214	ng	0.00
79) Terphenyl-d14	19.933	244	705593	63.918	ng	0.00
Target Compounds						Qvalue
71) Phenanthrene	17.354	178	134321	15.157	ng	100
72) Anthracene	17.448	178	31090	3.406	ng	96
75) Fluoranthene	19.369	202	247008	21.003	ng	98
78) Pyrene	19.727	202	194819	16.698	ng	100
81) Benzo(a)anthracene	21.555	228	107118	8.892	ng	# 95
83) Chrysene	21.613	228	88010m	7.673	ng	
88) Benzo(b)fluoranthene	23.711	252	79196	6.744	ng	100
89) Benzo(k)fluoranthene	23.764	252	28158m	2.375	ng	
90) Benzo(a)pyrene	24.533	252	55584	4.890	ng	94
92) Benzo(g,h,i)perylene	29.328	276	27142m	2.331	ng	

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

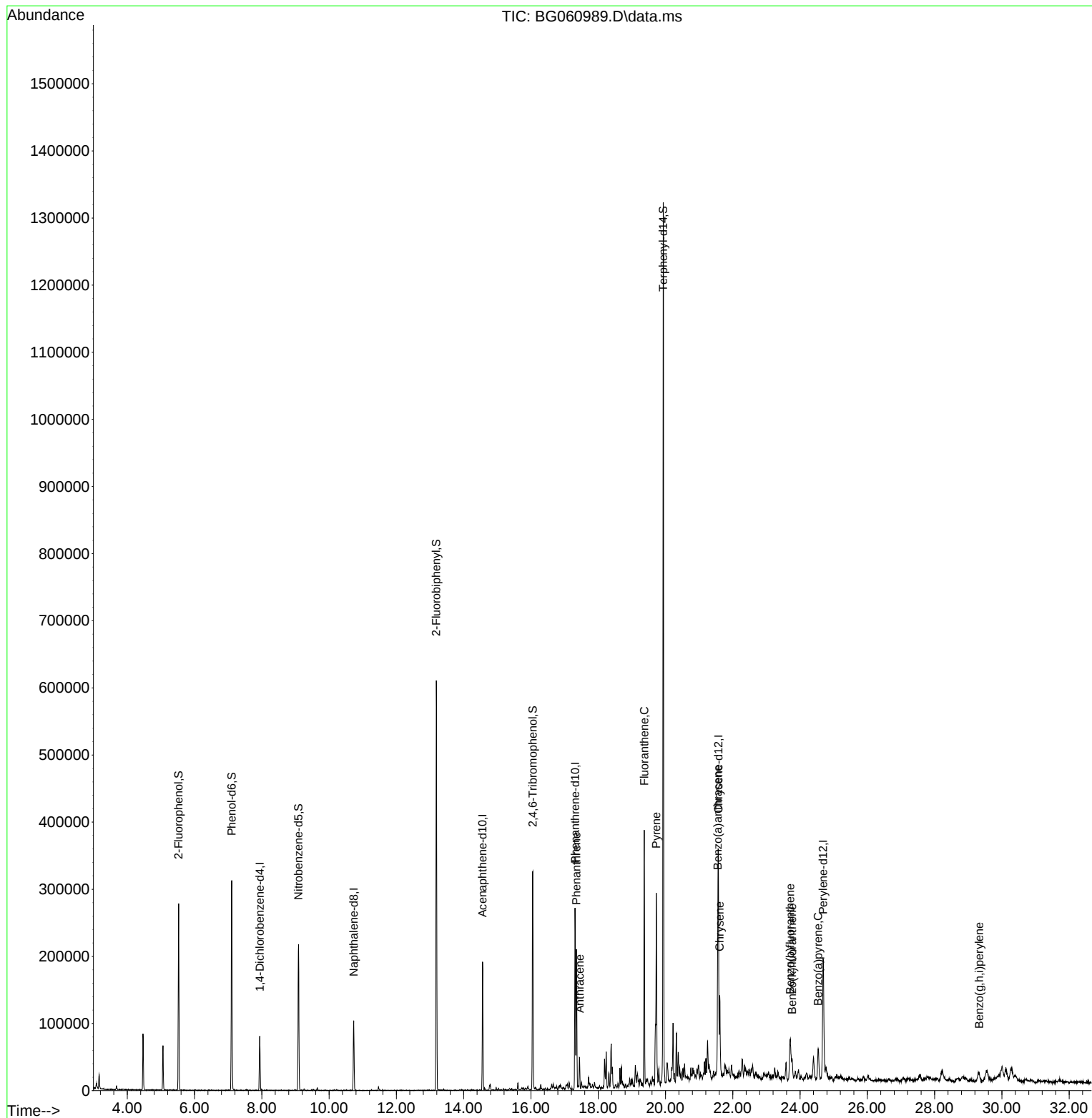
Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG042224\
Data File : BG060989.D
Acq On : 22 Apr 2024 13:16
Operator : MA/JU
Sample : P2189-01
Misc :
ALS Vial : 4 Sample Multiplier: 1

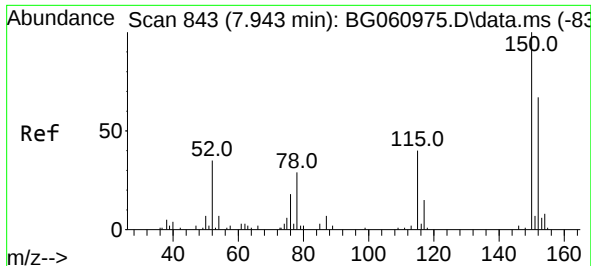
Instrument :
BNA_G
ClientSampleId :
CONCRETE-VAULT

Quant Time: Apr 23 02:15:58 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG042024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Mon Apr 22 04:22:00 2024
Response via : Initial Calibration

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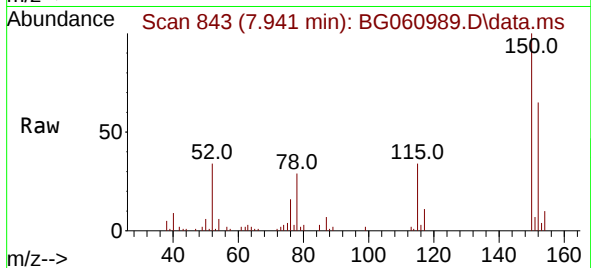
Reviewed By :Yogesh Patel 04/24/2024
Supervised By :mohammad ahmed 04/24/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.941 min Scan# 843
Delta R.T. -0.002 min
Lab File: BG060989.D
Acq: 22 Apr 2024 13:16

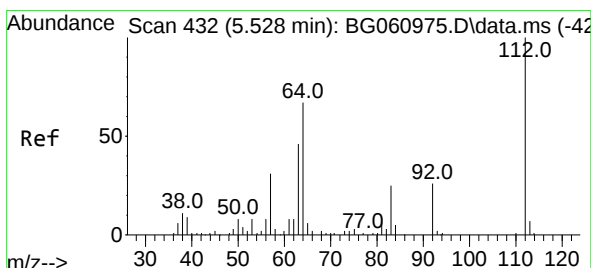
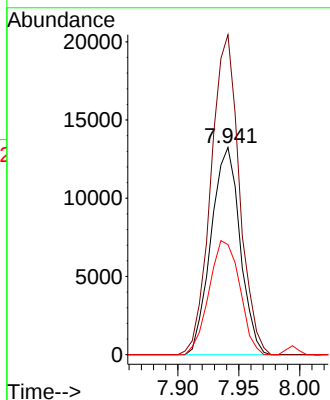
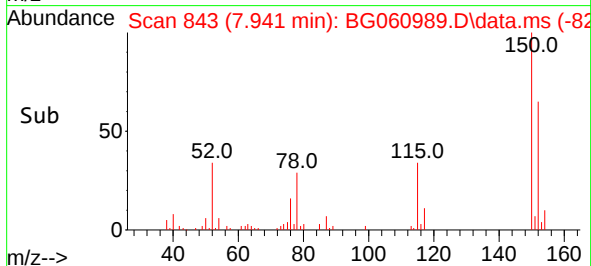
Instrument :
BNA_G
ClientSampleId :
CONCRETE-VAULT



Tgt Ion:152 Resp: 2193
Ion Ratio Lower Upper
152 100
150 154.4 118.6 178.0
115 53.1 47.4 71.0

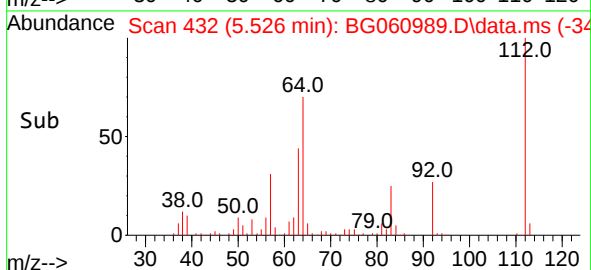
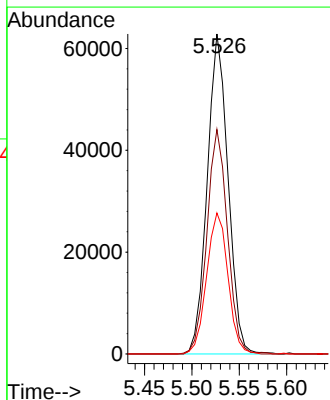
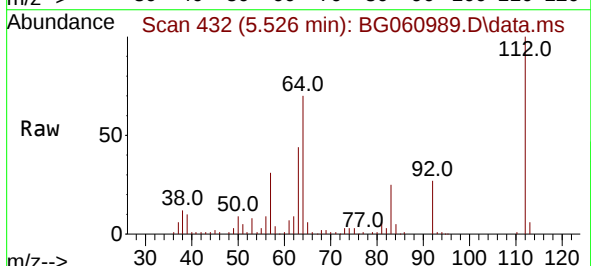
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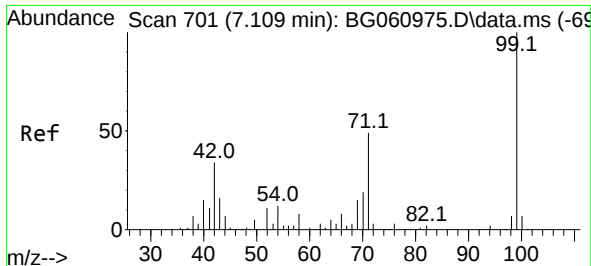
Reviewed By :Yogesh Patel 04/24/2024
Supervised By :mohammad ahmed 04/24/2024



#5
2-Fluorophenol
Concen: 88.734 ng
RT: 5.526 min Scan# 432
Delta R.T. -0.002 min
Lab File: BG060989.D
Acq: 22 Apr 2024 13:16

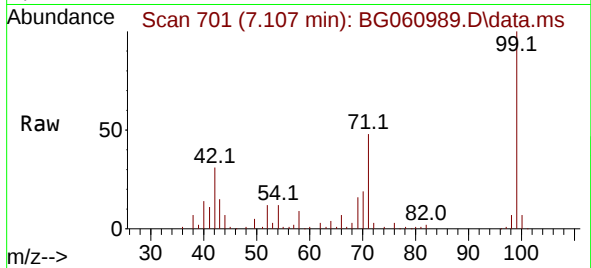
Tgt Ion:112 Resp: 96207
Ion Ratio Lower Upper
112 100
64 70.2 53.7 80.5
63 44.1 37.0 55.6





#7
Phenol-d6
Concen: 88.594 ng
RT: 7.107 min Scan# 701
Delta R.T. -0.002 min
Lab File: BG060989.D
Acq: 22 Apr 2024 13:16

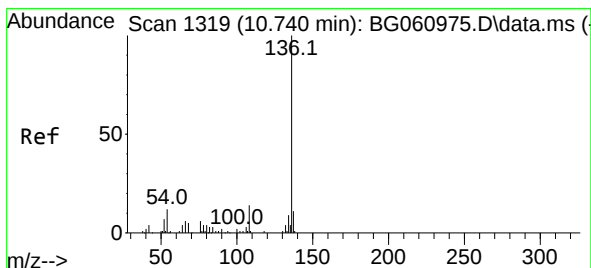
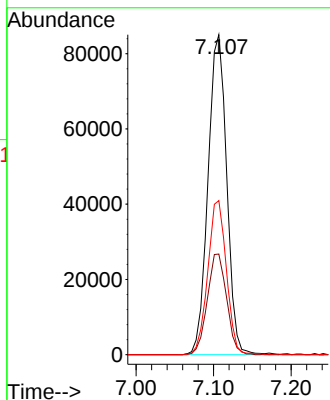
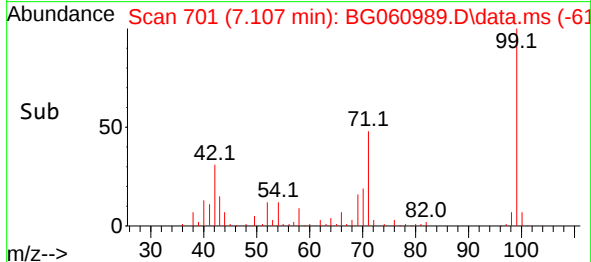
Instrument :
BNA_G
ClientSampleId :
CONCRETE-VAULT



Tgt Ion: 99 Resp: 142519
Ion Ratio Lower Upper
99 100
42 31.5 27.2 40.8
71 48.1 38.8 58.2

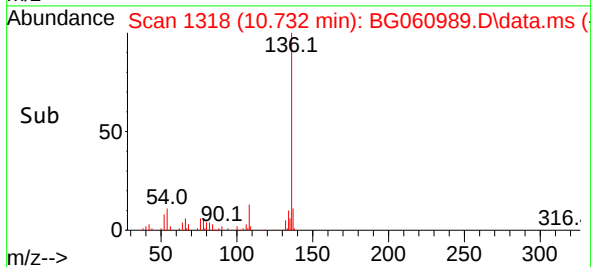
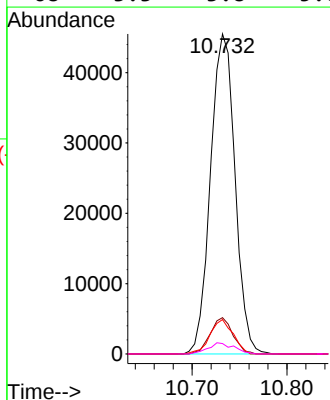
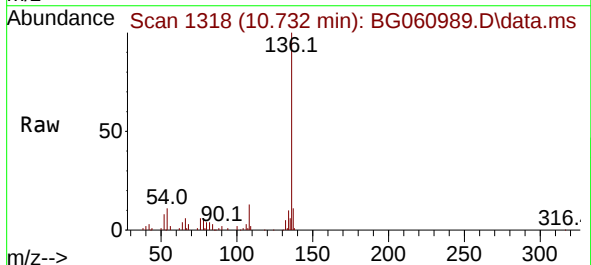
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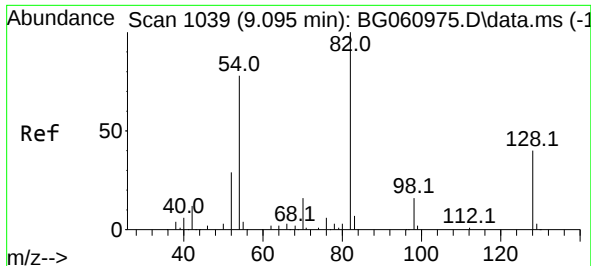
Reviewed By :Yogesh Patel 04/24/2024
Supervised By :mohammad ahmed 04/24/2024



#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.732 min Scan# 1318
Delta R.T. -0.008 min
Lab File: BG060989.D
Acq: 22 Apr 2024 13:16

Tgt Ion:136 Resp: 81638
Ion Ratio Lower Upper
136 100
137 11.4 8.5 12.7
54 10.8 9.4 14.0
68 3.3 3.8 5.6#





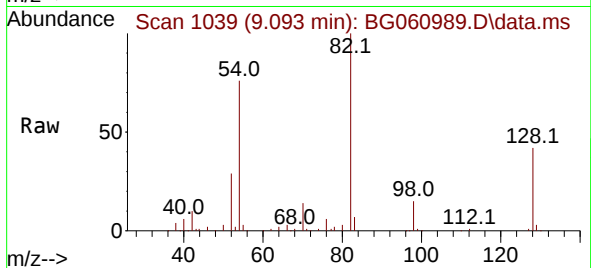
#23
Nitrobenzene-d5
Concen: 61.006 ng
RT: 9.093 min Scan# 11085
Delta R.T. -0.002 min
Lab File: BG060989.D
Acq: 22 Apr 2024 13:16

Instrument :

BNA_G

ClientSampleId :

CONCRETE-VAULT



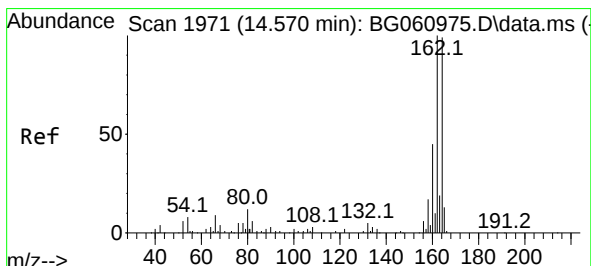
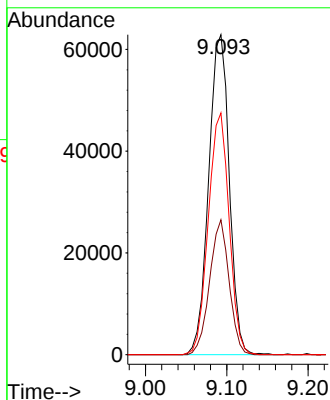
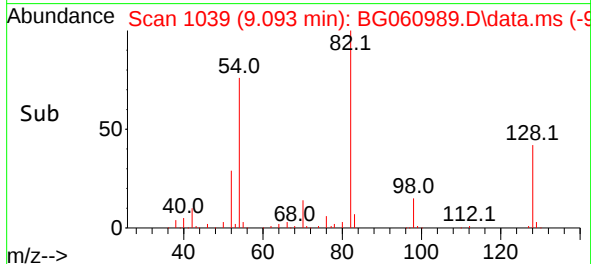
Tgt Ion: 82 Resp: 11085
Ion Ratio Lower Upper
82 100
128 42.2 32.1 48.1
54 75.6 62.3 93.5

Manual Integrations

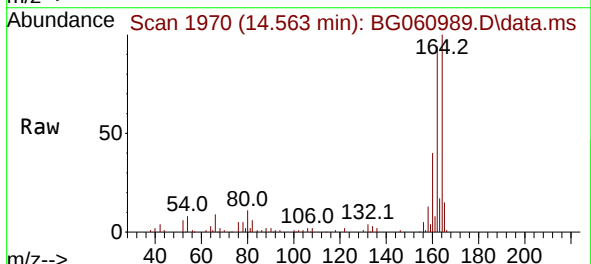
APPROVED

Reviewed By :Yogesh Patel 04/24/2024

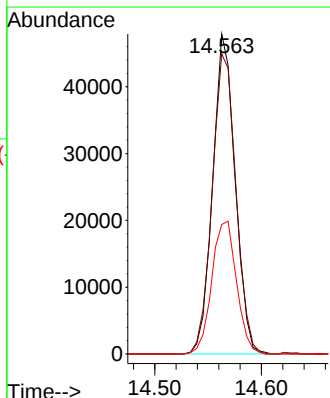
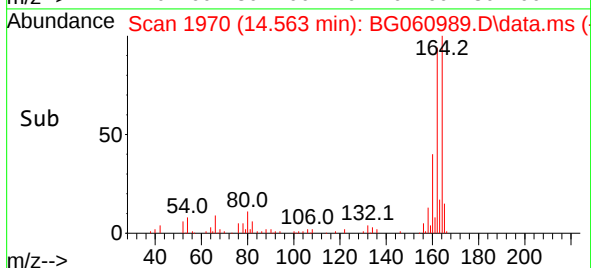
Supervised By :mohammad ahmed 04/24/2024

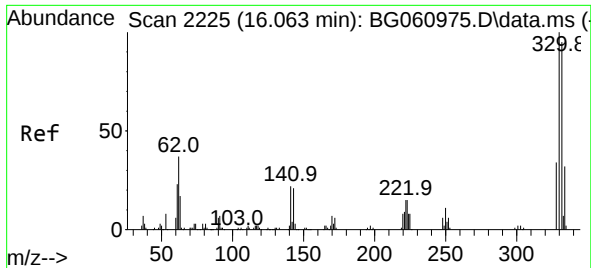


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.563 min Scan# 1970
Delta R.T. -0.008 min
Lab File: BG060989.D
Acq: 22 Apr 2024 13:16



Tgt Ion:164 Resp: 69734
Ion Ratio Lower Upper
164 100
162 93.8 81.2 121.8
160 40.4 36.2 54.2





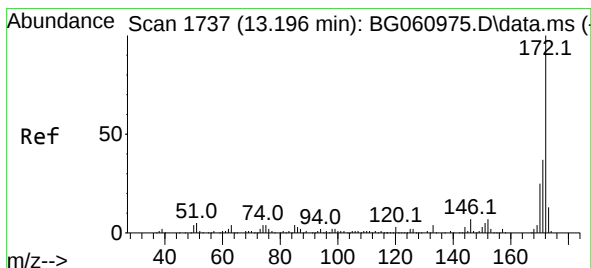
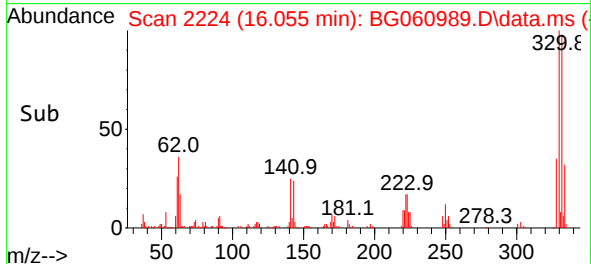
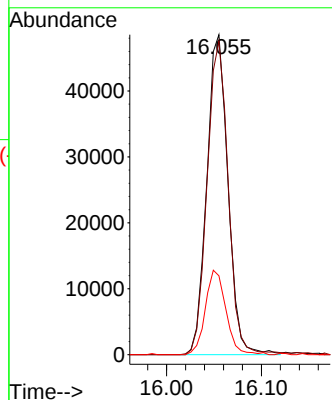
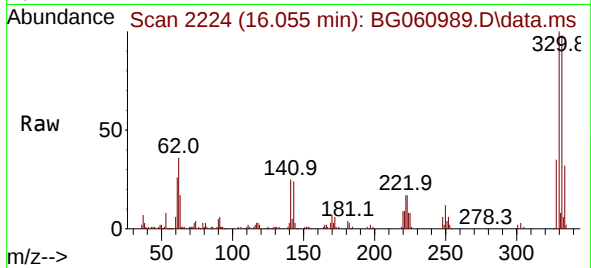
#42
2,4,6-Tribromophenol
Concen: 49.167 ng
RT: 16.055 min Scan# 21
Delta R.T. -0.008 min
Lab File: BG060989.D
Acq: 22 Apr 2024 13:16

Instrument :
BNA_G
ClientSampleId :
CONCRETE-VAULT

Tgt Ion:330 Resp: 75290
Ion Ratio Lower Upper
330 100
332 97.6 77.1 115.7
141 25.6 20.6 31.0

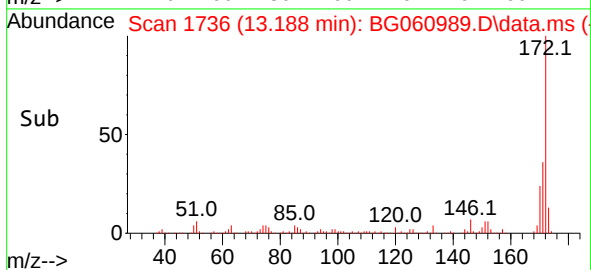
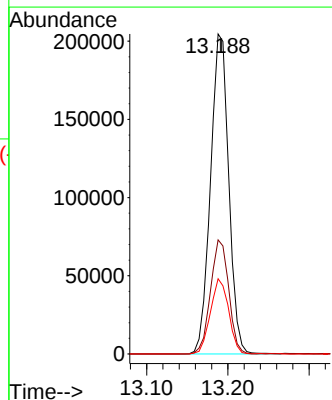
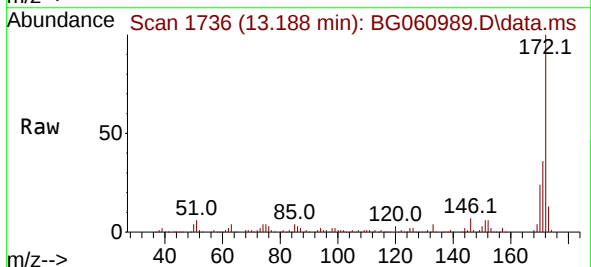
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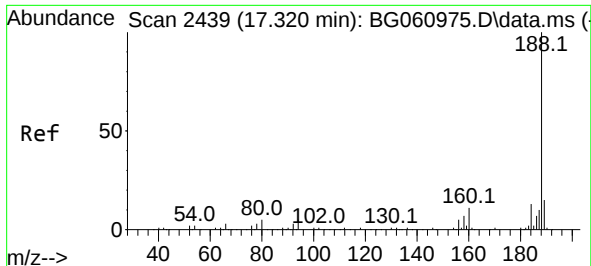
Reviewed By :Yogesh Patel 04/24/2024
Supervised By :mohammad ahmed 04/24/2024



#45
2-Fluorobiphenyl
Concen: 63.214 ng
RT: 13.188 min Scan# 1736
Delta R.T. -0.008 min
Lab File: BG060989.D
Acq: 22 Apr 2024 13:16

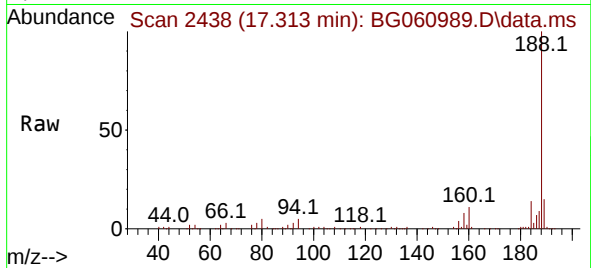
Tgt Ion:172 Resp: 318505
Ion Ratio Lower Upper
172 100
171 35.7 29.3 43.9
170 23.5 20.1 30.1





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.313 min Scan# 2438
Delta R.T. -0.008 min
Lab File: BG060989.D
Acq: 22 Apr 2024 13:16

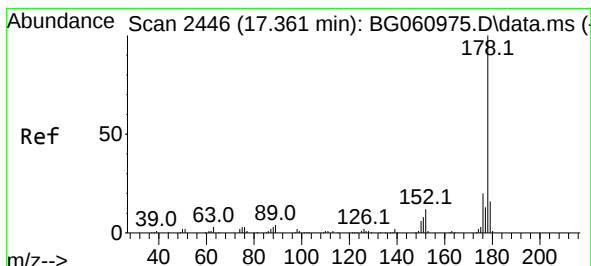
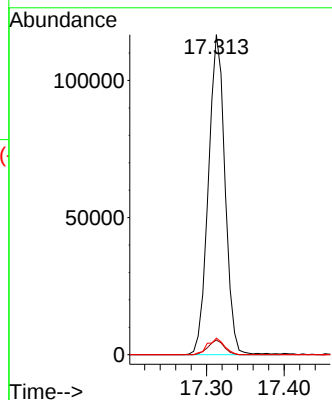
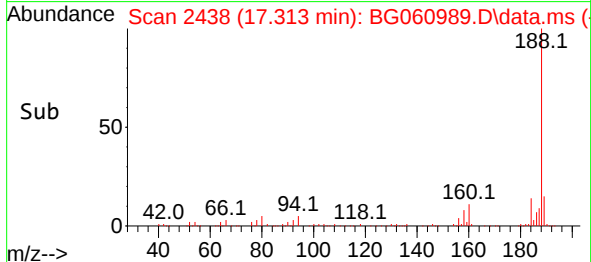
Instrument :
BNA_G
ClientSampleId :
CONCRETE-VAULT



Tgt Ion:188 Resp: 17361
Ion Ratio Lower Upper
188 100
94 4.6 4.1 6.1
80 5.2 4.0 6.0

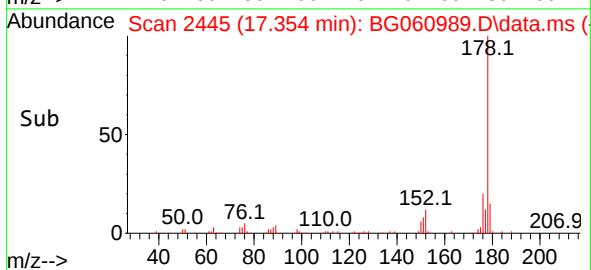
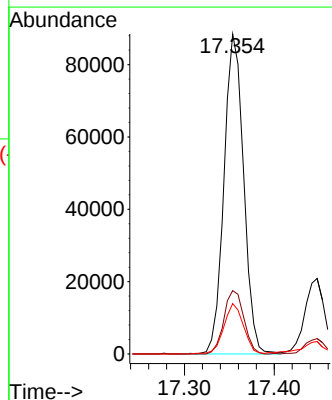
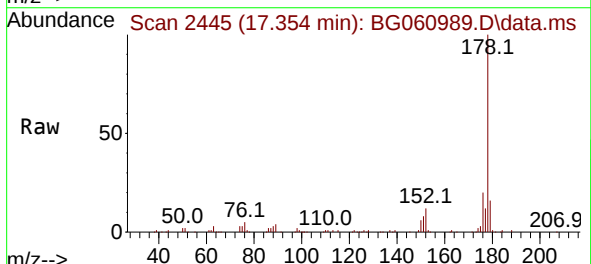
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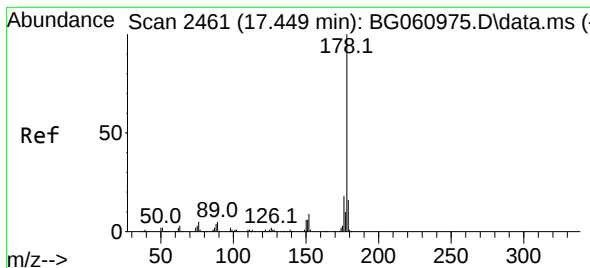
Reviewed By :Yogesh Patel 04/24/2024
Supervised By :mohammad ahmed 04/24/2024



#71
Phenanthrene
Concen: 15.157 ng
RT: 17.354 min Scan# 2445
Delta R.T. -0.007 min
Lab File: BG060989.D
Acq: 22 Apr 2024 13:16

Tgt Ion:178 Resp: 134321
Ion Ratio Lower Upper
178 100
176 19.8 16.0 24.0
179 15.7 12.5 18.7





#72

Anthracene

Concen: 3.406 ng

RT: 17.448 min Scan# 2461

Delta R.T. -0.002 min

Lab File: BG060989.D

Acq: 22 Apr 2024 13:16

Instrument :

BNA_G

ClientSampleId :

CONCRETE-VAULT

Tgt Ion:178 Resp: 31090

Ion Ratio Lower Upper

178 100

176 20.4 14.7 22.1

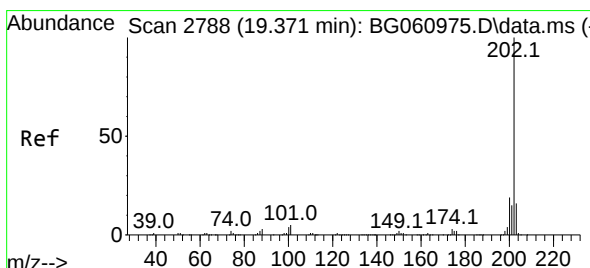
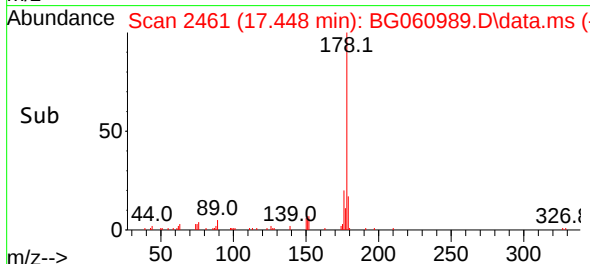
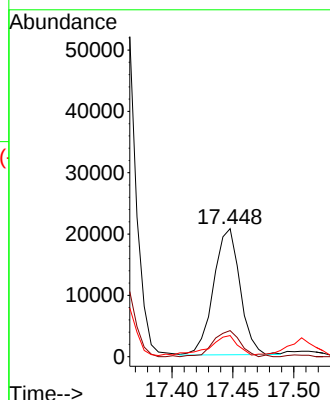
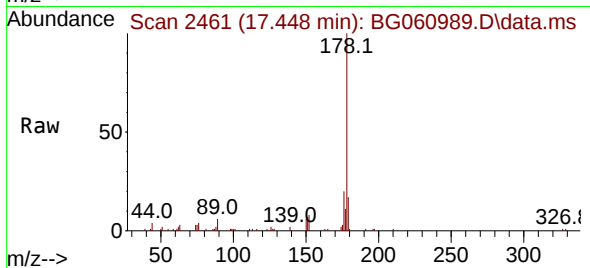
179 16.6 12.4 18.6

Manual Integrations

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Reviewed By :Yogesh Patel 04/24/2024

Supervised By :mohammad ahmed 04/24/2024



#75

Fluoranthene

Concen: 21.003 ng

RT: 19.369 min Scan# 2788

Delta R.T. -0.002 min

Lab File: BG060989.D

Acq: 22 Apr 2024 13:16

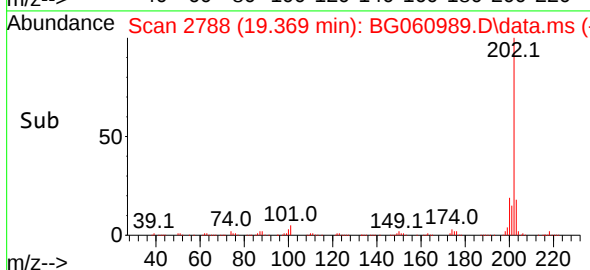
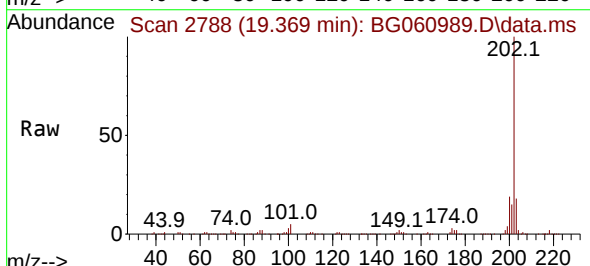
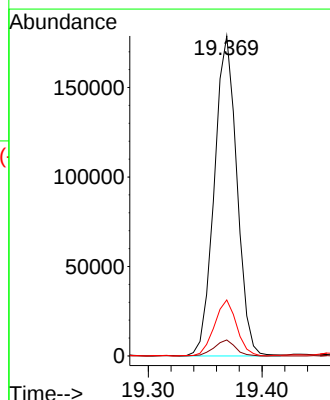
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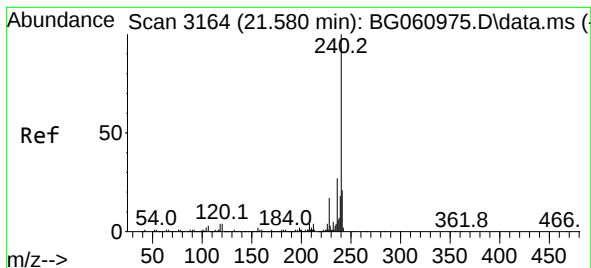
Ion Ratio Lower Upper

202 100

101 5.0 0.0 24.9

203 17.5 0.0 36.2





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.572 min Scan# 3163

Delta R.T. -0.008 min

Lab File: BG060989.D

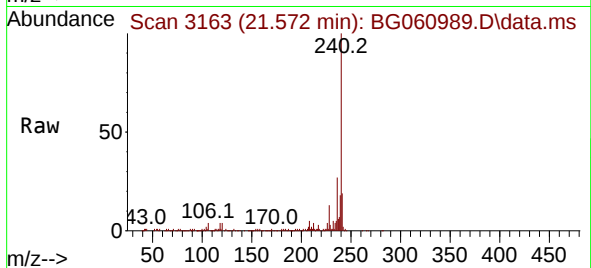
Acq: 22 Apr 2024 13:16

Instrument :

BNA_G

ClientSampleId :

CONCRETE-VAULT



Tgt Ion:240 Resp: 17135

Ion Ratio Lower Upper

240 100

120 3.8 3.0 4.6

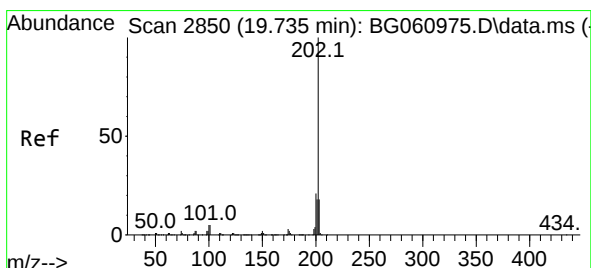
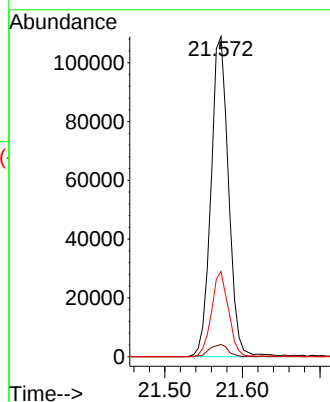
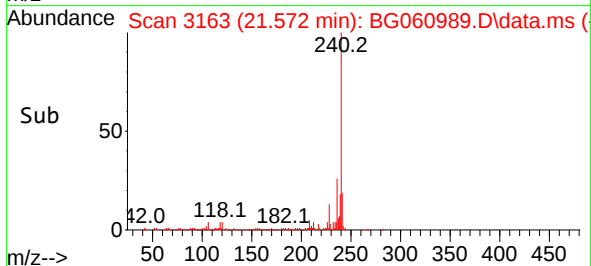
236 26.6 21.8 32.6

Manual Integrations

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Reviewed By :Yogesh Patel 04/24/2024

Supervised By :mohammad ahmed 04/24/2024



#78

Pyrene

Concen: 16.698 ng

RT: 19.727 min Scan# 2849

Delta R.T. -0.008 min

Lab File: BG060989.D

Acq: 22 Apr 2024 13:16

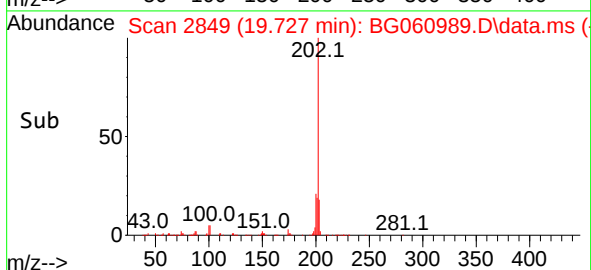
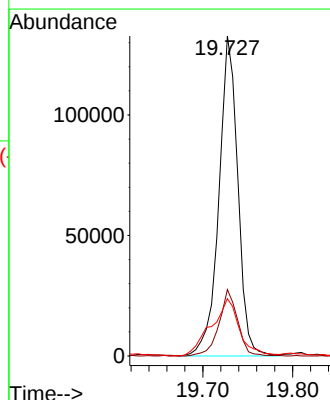
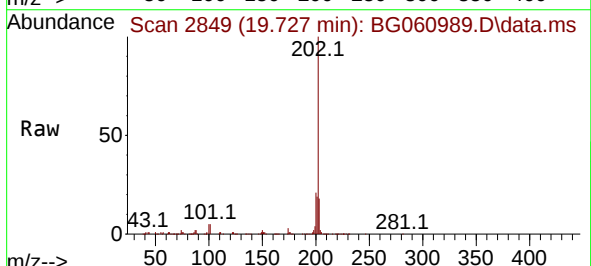
Tgt Ion:202 Resp: 194819

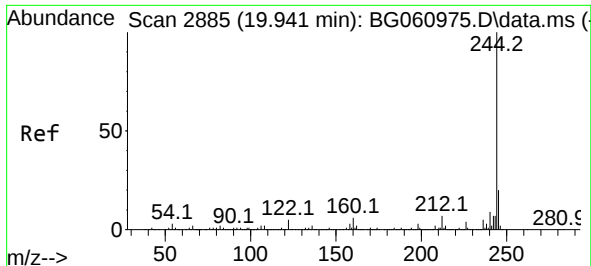
Ion Ratio Lower Upper

202 100

200 20.8 16.8 25.2

203 17.9 14.2 21.2



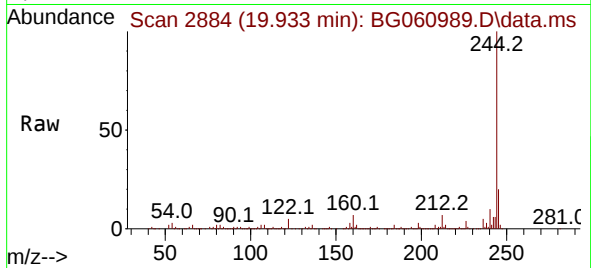


#79
 Terphenyl-d14
 Concen: 63.918 ng
 RT: 19.933 min Scan# 21
 Delta R.T. -0.008 min
 Lab File: BG060989.D
 Acq: 22 Apr 2024 13:16

Instrument :

BNA_G

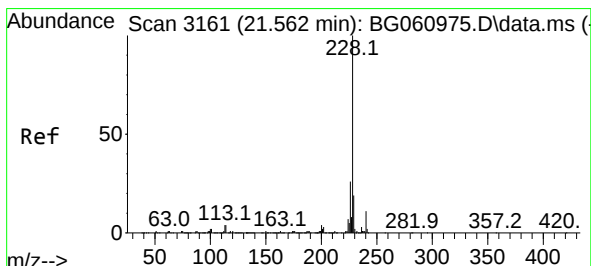
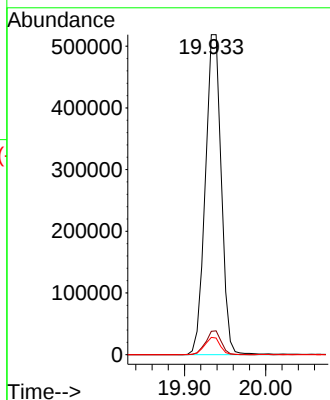
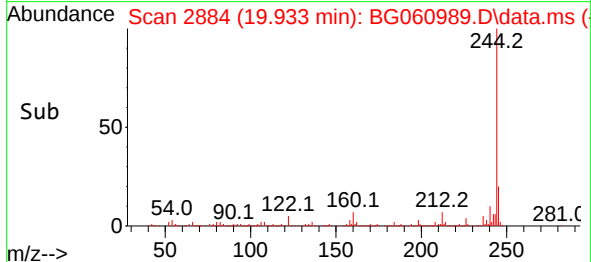
ClientSampleId :
 CONCRETE-VAULT



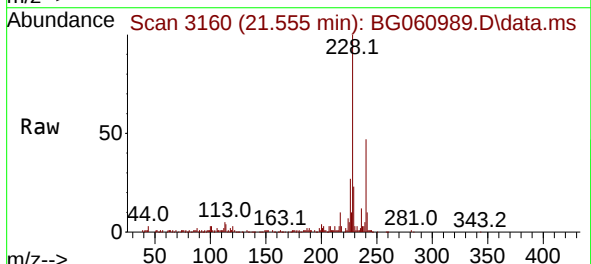
Tgt Ion:244 Resp: 70559
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.9 8.9
 122 5.4 4.2 6.2

Manual Integrations
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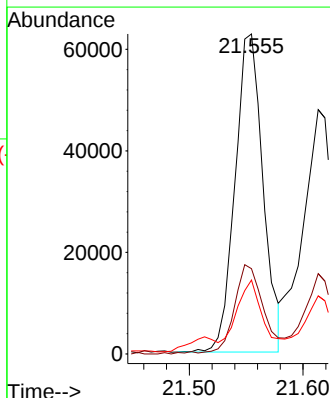
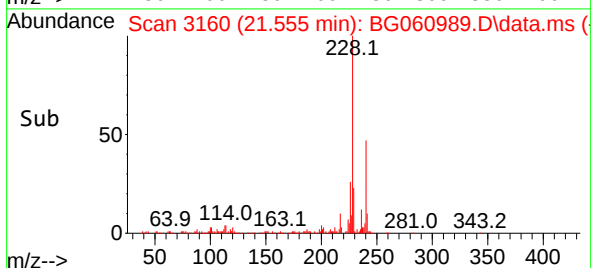
Reviewed By :Yogesh Patel 04/24/2024
 Supervised By :mohammad ahmed 04/24/2024

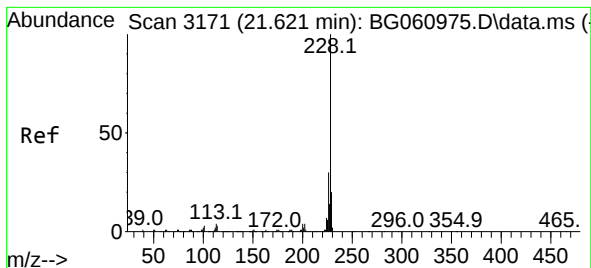


#81
 Benzo(a)anthracene
 Concen: 8.892 ng
 RT: 21.555 min Scan# 3160
 Delta R.T. -0.008 min
 Lab File: BG060989.D
 Acq: 22 Apr 2024 13:16



Tgt Ion:228 Resp: 107118
 Ion Ratio Lower Upper
 228 100
 226 26.7 21.0 31.4
 229 23.1 15.0 22.4#





#83

Chrysene

Concen: 7.673 ng m

RT: 21.613 min Scan# 3171

Delta R.T. -0.008 min

Lab File: BG060989.D

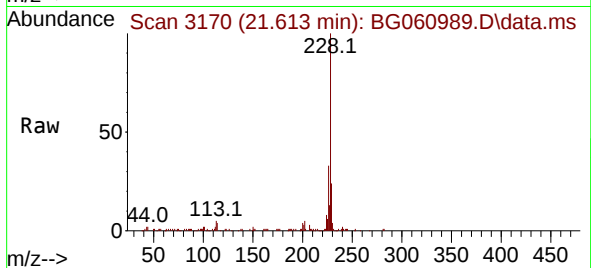
Acq: 22 Apr 2024 13:16

Instrument :

BNA_G

ClientSampleId :

CONCRETE-VAULT



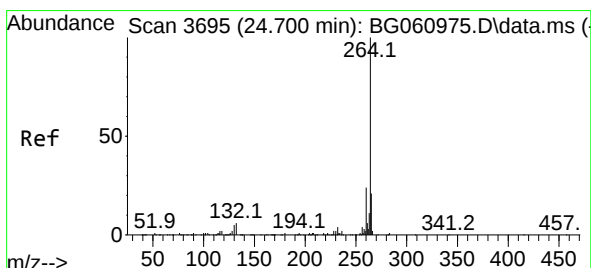
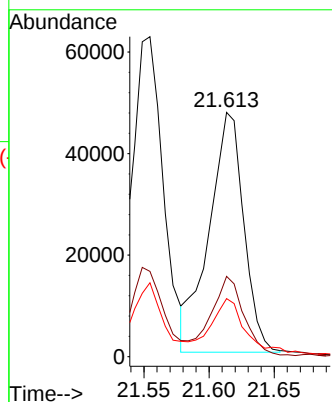
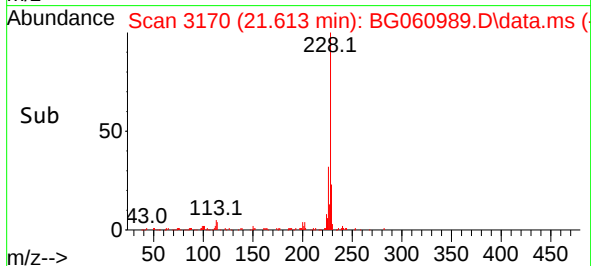
Tgt Ion:	228	Resp:	88010
Ion Ratio	Lower	Upper	
228	100		
226	32.9	24.2	36.2
229	23.8	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/24/2024

Supervised By :mohammad ahmed 04/24/2024



#86

Perylene-d12

Concen: 20.000 ng

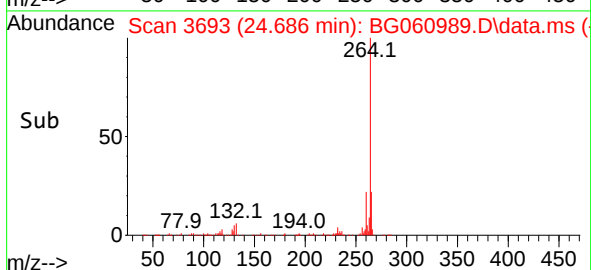
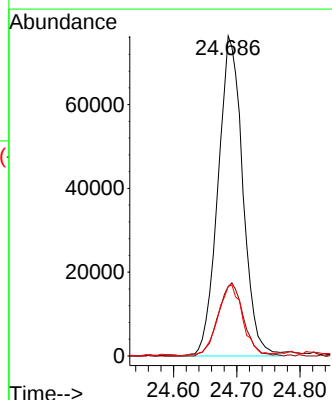
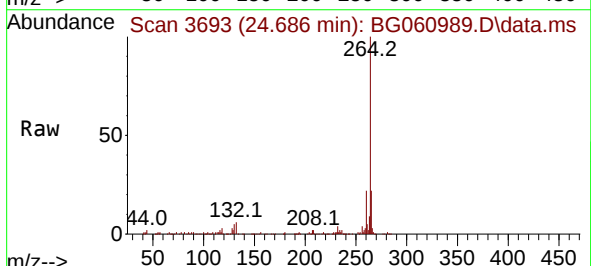
RT: 24.686 min Scan# 3693

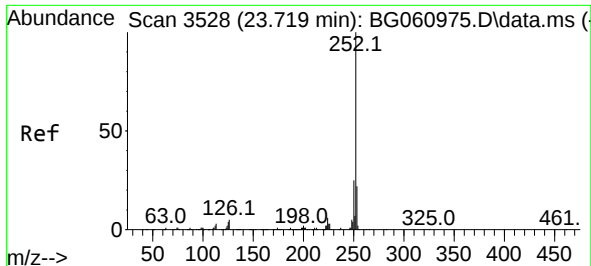
Delta R.T. -0.014 min

Lab File: BG060989.D

Acq: 22 Apr 2024 13:16

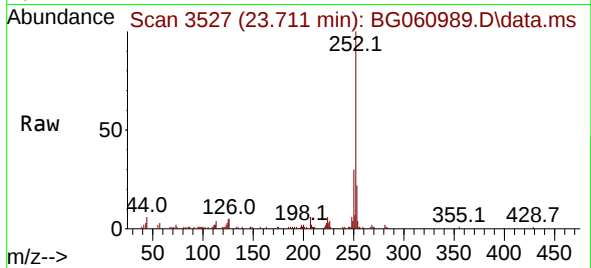
Tgt Ion:	264	Resp:	207233
Ion Ratio	Lower	Upper	
264	100		
260	21.7	19.4	29.2
265	21.7	17.0	25.4





#88
Benzo(b)fluoranthene
Concen: 6.744 ng
RT: 23.711 min Scan# 3527
Delta R.T. -0.008 min
Lab File: BG060989.D
Acq: 22 Apr 2024 13:16

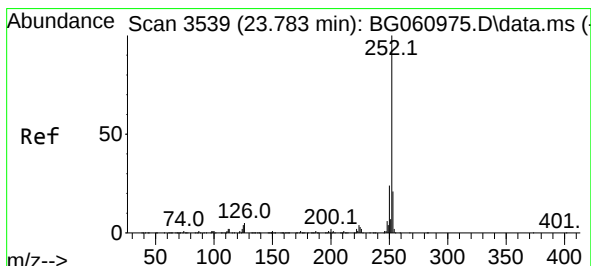
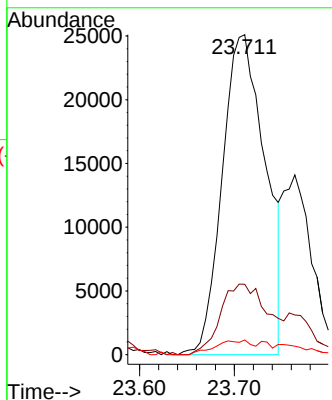
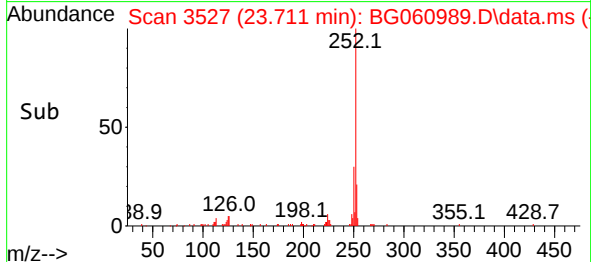
Instrument :
BNA_G
ClientSampleId :
CONCRETE-VAULT



Tgt Ion:252 Resp: 79190
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 4.6 3.3 4.9

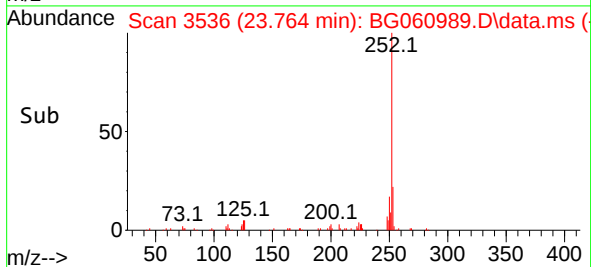
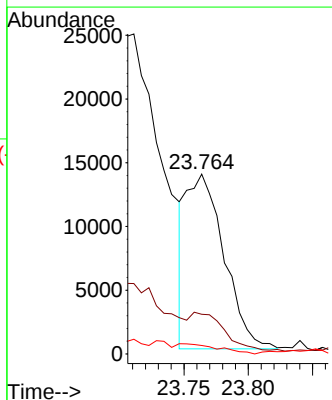
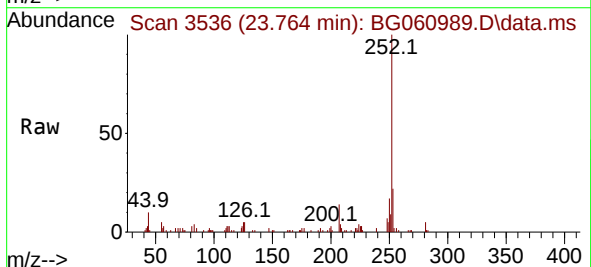
Manual Integrations
APPROVED

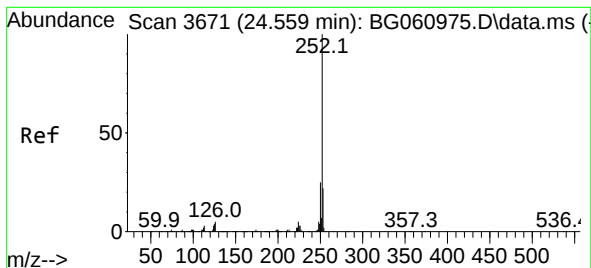
Reviewed By :Yogesh Patel 04/24/2024
Supervised By :mohammad ahmed 04/24/2024



#89
Benzo(k)fluoranthene
Concen: 2.375 ng m
RT: 23.764 min Scan# 3536
Delta R.T. -0.019 min
Lab File: BG060989.D
Acq: 22 Apr 2024 13:16

Tgt Ion:252 Resp: 28158
Ion Ratio Lower Upper
252 100
253 22.1 16.6 25.0
125 4.8 3.3 4.9





#90

Benzo(a)pyrene

Concen: 4.890 ng

RT: 24.533 min Scan# 30

Delta R.T. -0.025 min

Lab File: BG060989.D

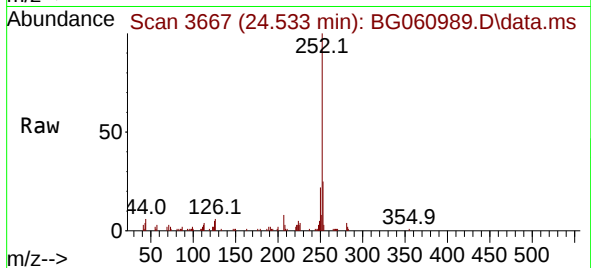
Acq: 22 Apr 2024 13:16

Instrument :

BNA_G

ClientSampleId :

CONCRETE-VAULT



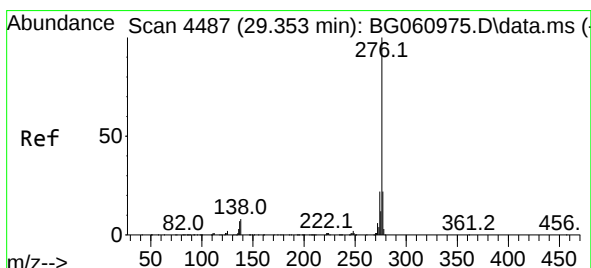
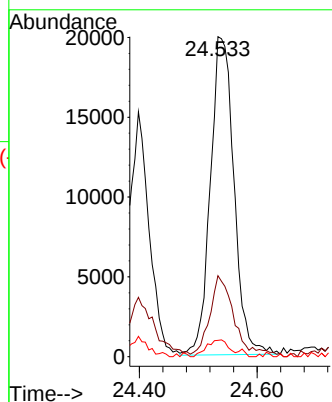
Tgt Ion:	252	Resp:	55584
Ion Ratio	Lower	Upper	
252	100		
253	25.3	17.7	26.5
125	5.1	3.6	5.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 04/24/2024

Supervised By :mohammad ahmed 04/24/2024



#92

Benzo(g,h,i)perylene

Concen: 2.331 ng m

RT: 29.328 min Scan# 4483

Delta R.T. -0.025 min

Lab File: BG060989.D

Acq: 22 Apr 2024 13:16

Tgt Ion:	276	Resp:	27142
Ion Ratio	Lower	Upper	
276	100		
277	22.5	18.0	27.0
138	6.1	6.5	9.7#

