

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050824\
 Data File : BG061140.D
 Acq On : 8 May 2024 13:41
 Operator : MA/JU
 Sample : P2404-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 TOP-SOIL-1

Quant Time: May 08 14:28:13 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

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

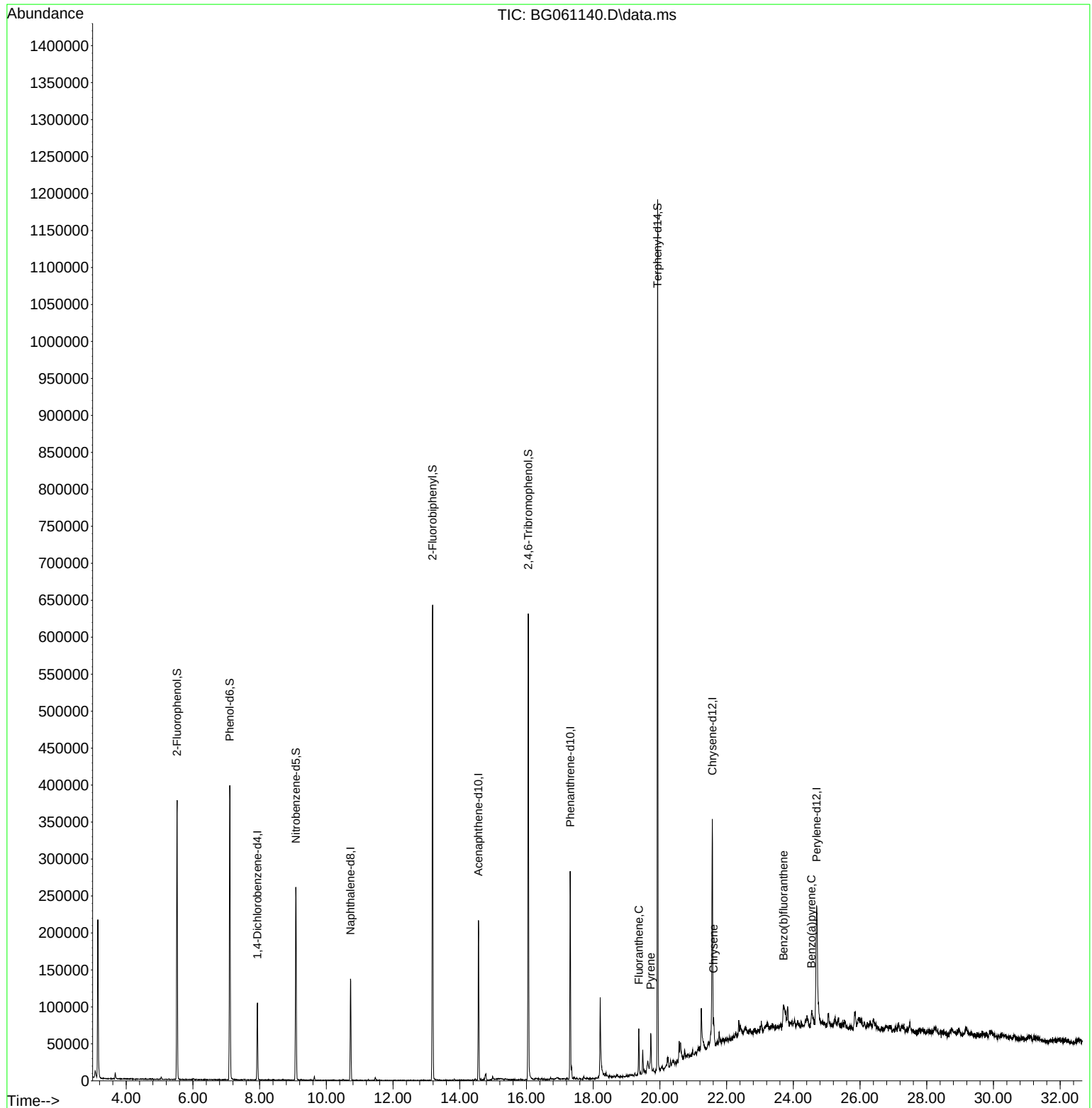
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.934	152	27014	20.000	ng	-0.03
21) Naphthalene-d8	10.725	136	106238	20.000	ng	-0.03
39) Acenaphthene-d10	14.562	164	79760	20.000	ng	-0.03
64) Phenanthrene-d10	17.311	188	184012	20.000	ng	-0.02
76) Chrysene-d12	21.571	240	180829	20.000	ng	-0.02
86) Perylene-d12	24.697	264	220278	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.525	112	135076	101.691	ng	-0.02
7) Phenol-d6	7.106	99	184991	94.145	ng	-0.03
23) Nitrobenzene-d5	9.086	82	131946	61.568	ng	-0.03
42) 2,4,6-Tribromophenol	16.054	330	141190	88.561	ng	-0.02
45) 2-Fluorobiphenyl	13.187	172	346940	64.321	ng	-0.02
79) Terphenyl-d14	19.932	244	603336	55.491	ng	-0.02
Target Compounds						
						Qvalue
75) Fluoranthene	19.368	202	39216	3.402	ng	96
78) Pyrene	19.726	202	35222	3.064	ng	97
83) Chrysene	21.612	228	25612	2.310	ng	98
88) Benzo(b)fluoranthene	23.710	252	33425	2.715	ng	# 97
90) Benzo(a)pyrene	24.544	252	22351	2.084	ng	# 95

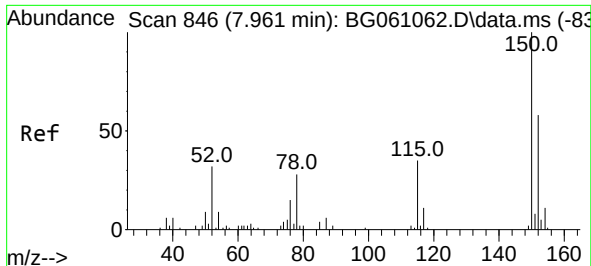
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050824\
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Quant Time: May 08 14:28:13 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
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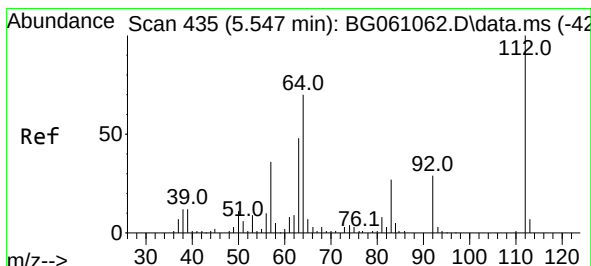
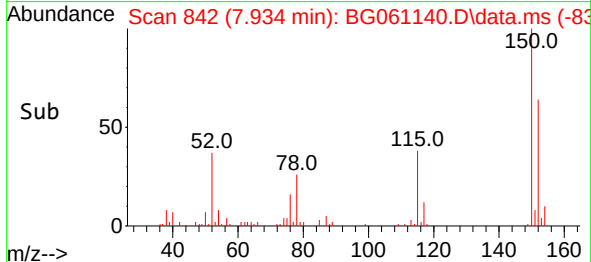
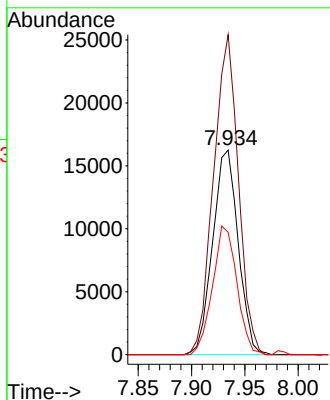
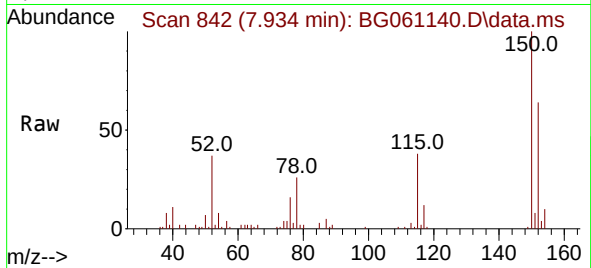




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.934 min Scan# 846
Delta R.T. -0.027 min
Lab File: BG061140.D
Acq: 8 May 2024 13:41

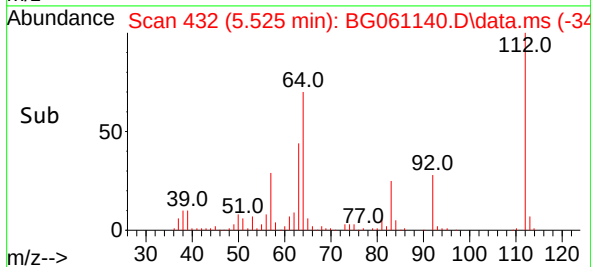
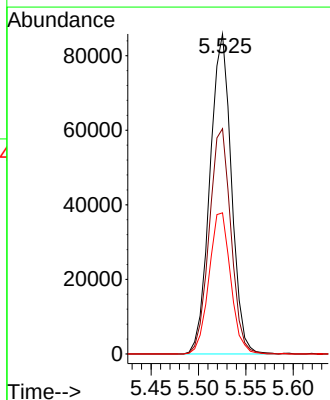
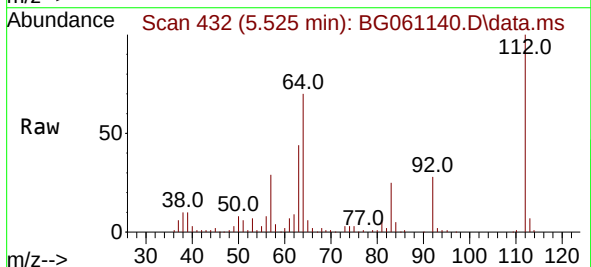
Instrument :
BNA_G
ClientSampleId :
TOP-SOIL-1

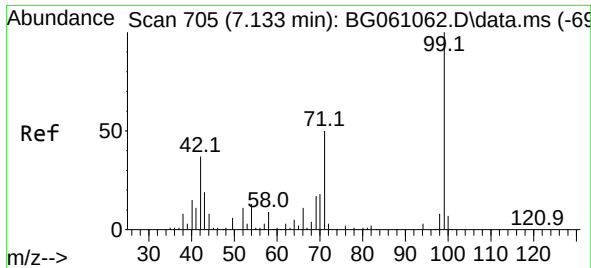
Tgt Ion:152 Resp: 27014
Ion Ratio Lower Upper
152 100
150 156.3 138.3 207.5
115 59.8 48.0 72.0



#5
2-Fluorophenol
Concen: 101.691 ng
RT: 5.525 min Scan# 432
Delta R.T. -0.021 min
Lab File: BG061140.D
Acq: 8 May 2024 13:41

Tgt Ion:112 Resp: 135076
Ion Ratio Lower Upper
112 100
64 70.4 55.7 83.5
63 44.1 38.1 57.1





#7

Phenol-d6

Concen: 94.145 ng

RT: 7.106 min Scan# 705

Delta R.T. -0.027 min

Lab File: BG061140.D

Acq: 8 May 2024 13:41

Instrument :

BNA_G

ClientSampleId :

TOP-SOIL-1

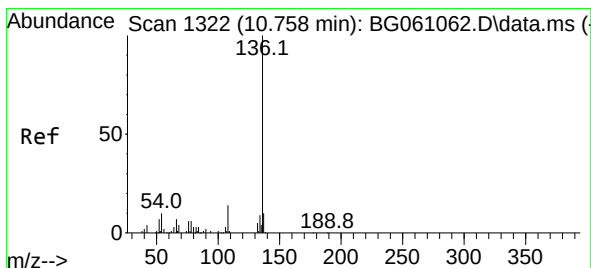
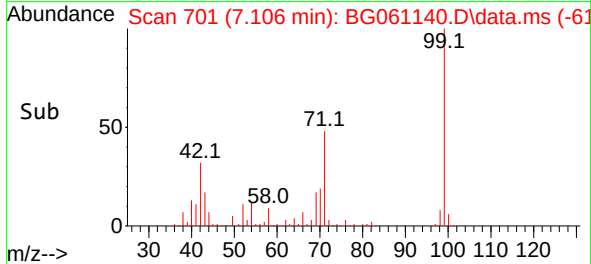
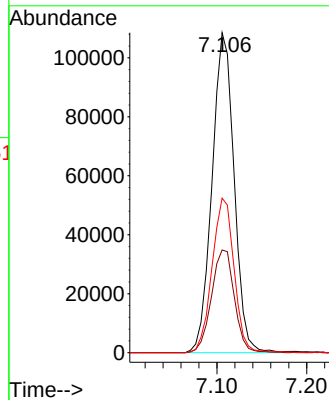
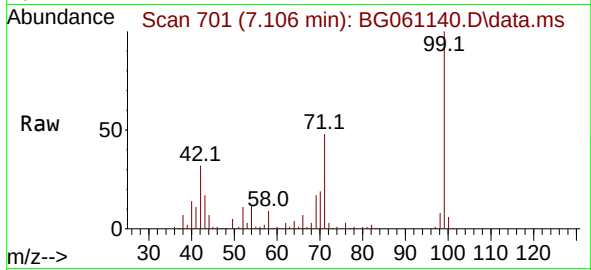
Tgt Ion: 99 Resp: 184991

Ion Ratio Lower Upper

99 100

42 32.1 29.2 43.8

71 48.3 39.7 59.5



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 10.725 min Scan# 1317

Delta R.T. -0.033 min

Lab File: BG061140.D

Acq: 8 May 2024 13:41

Tgt Ion:136 Resp: 106238

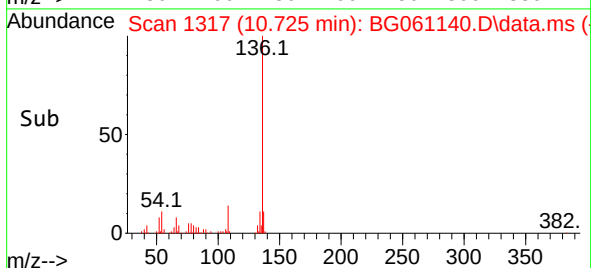
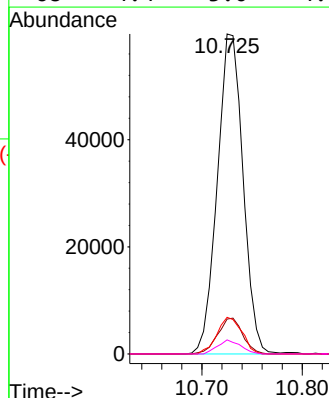
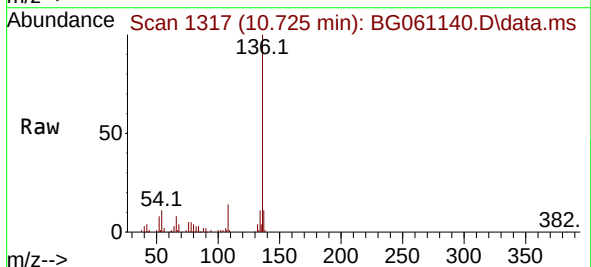
Ion Ratio Lower Upper

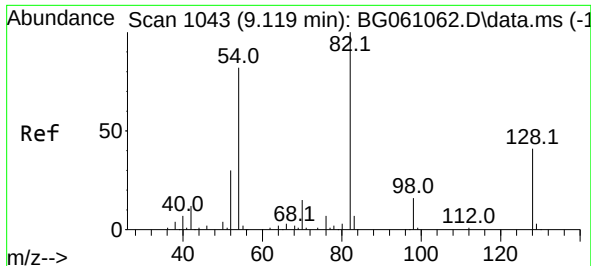
136 100

137 10.9 7.8 11.6

54 11.5 8.1 12.1

68 4.4 3.0 4.4





#23

Nitrobenzene-d5

Concen: 61.568 ng

RT: 9.086 min Scan# 1043

Delta R.T. -0.033 min

Lab File: BG061140.D

Acq: 8 May 2024 13:41

Instrument :

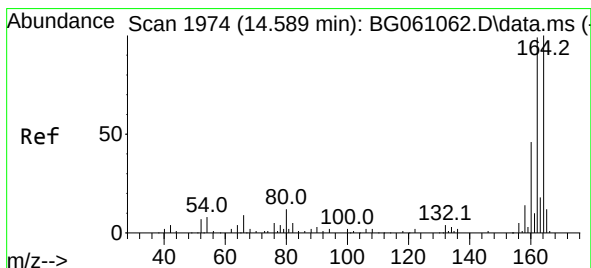
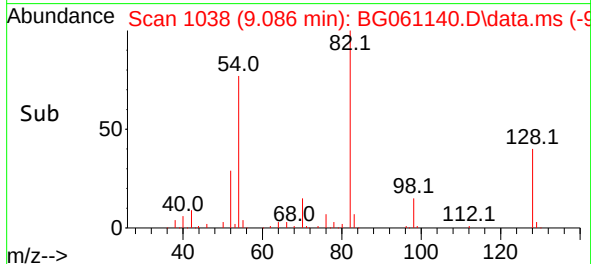
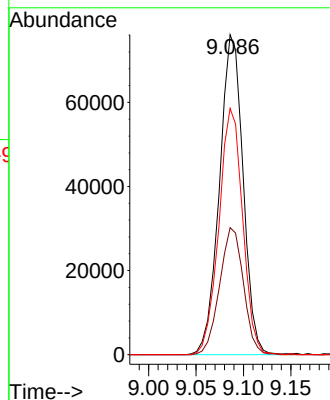
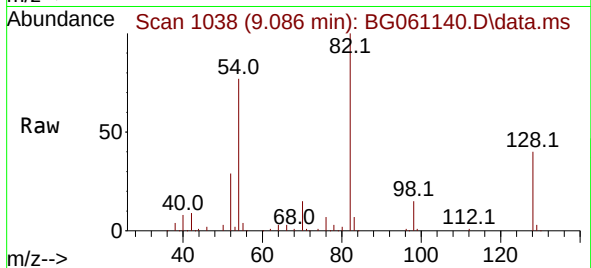
BNA_G

ClientSampleId :

TOP-SOIL-1

Tgt Ion: 82 Resp: 131946

Ion	Ratio	Lower	Upper
82	100		
128	39.7	32.7	49.1
54	77.0	65.6	98.4



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.562 min Scan# 1970

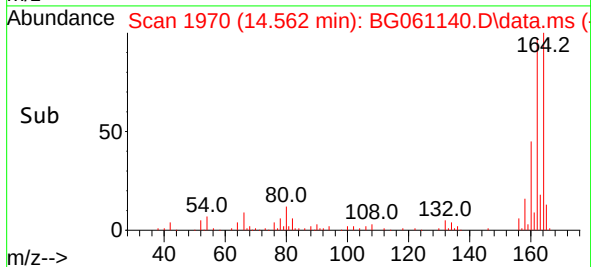
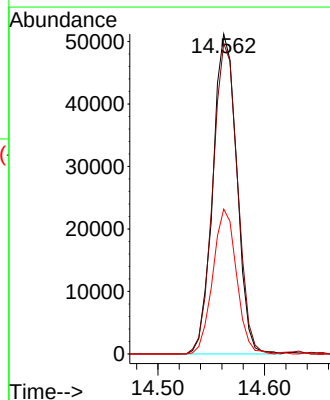
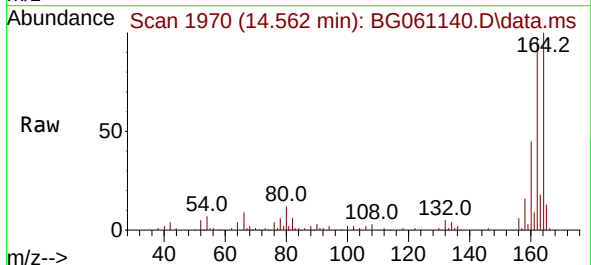
Delta R.T. -0.027 min

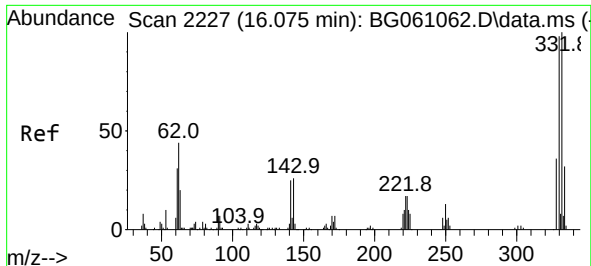
Lab File: BG061140.D

Acq: 8 May 2024 13:41

Tgt Ion:164 Resp: 79760

Ion	Ratio	Lower	Upper
164	100		
162	97.1	79.4	119.2
160	45.2	37.0	55.6

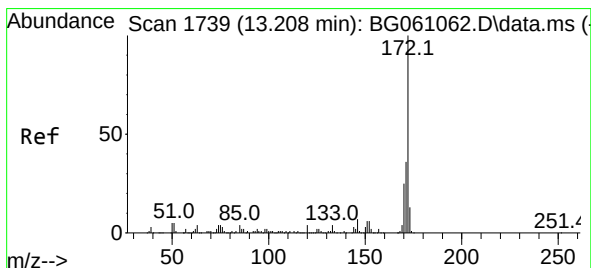
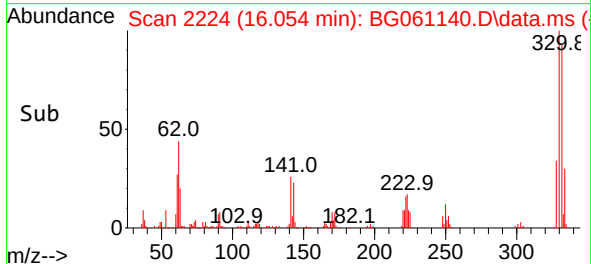
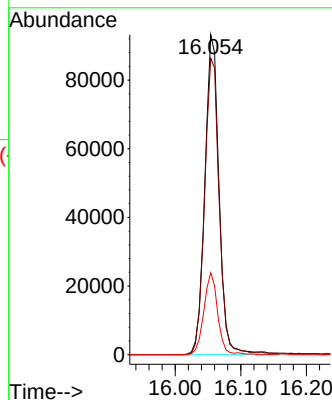
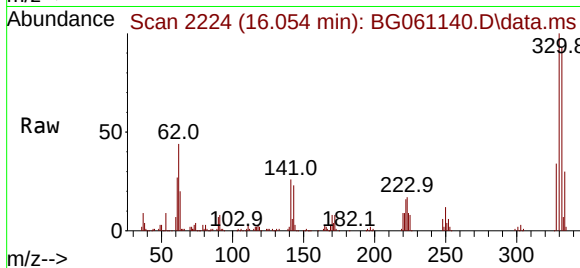




#42
2,4,6-Tribromophenol
Concen: 88.561 ng
RT: 16.054 min Scan# 21
Delta R.T. -0.021 min
Lab File: BG061140.D
Acq: 8 May 2024 13:41

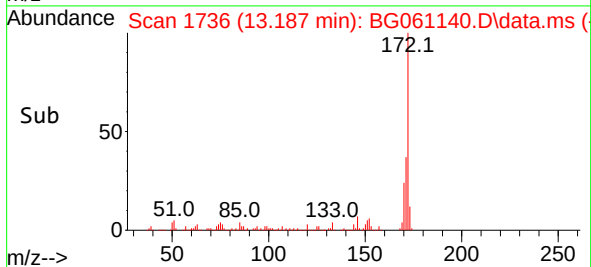
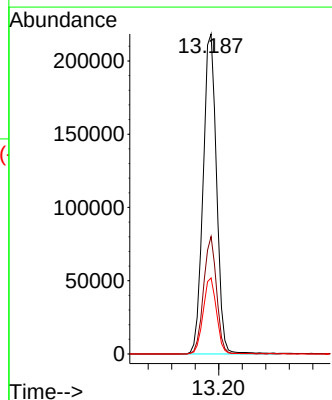
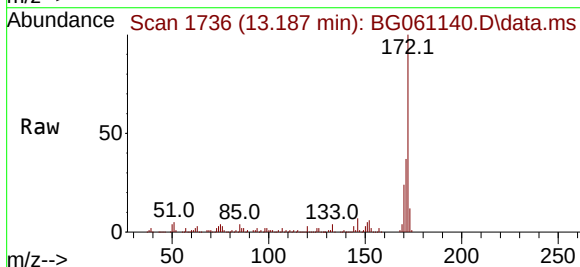
Instrument :
BNA_G
ClientSampleId :
TOP-SOIL-1

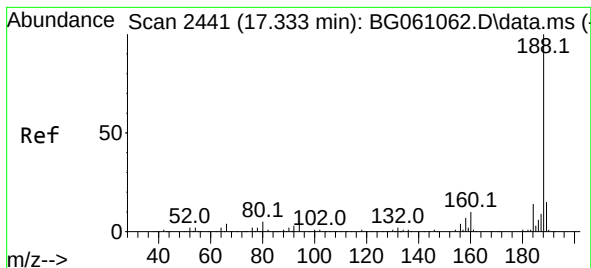
Tgt Ion:330 Resp: 141190
Ion Ratio Lower Upper
330 100
332 94.6 78.6 117.8
141 24.8 20.5 30.7



#45
2-Fluorobiphenyl
Concen: 64.321 ng
RT: 13.187 min Scan# 1736
Delta R.T. -0.021 min
Lab File: BG061140.D
Acq: 8 May 2024 13:41

Tgt Ion:172 Resp: 346940
Ion Ratio Lower Upper
172 100
171 36.7 29.0 43.6
170 23.7 20.2 30.4





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.311 min Scan# 2441

Delta R.T. -0.021 min

Lab File: BG061140.D

Acq: 8 May 2024 13:41

Instrument :

BNA_G

ClientSampleId :

TOP-SOIL-1

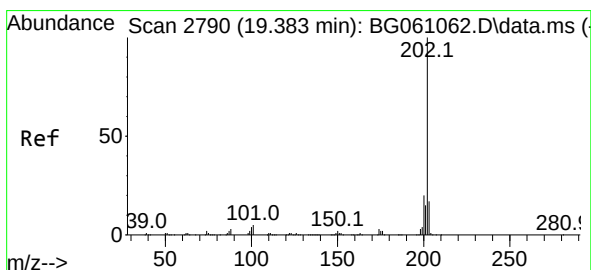
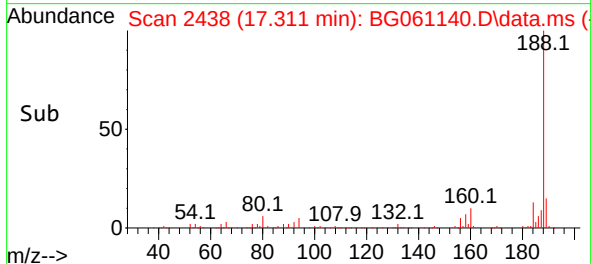
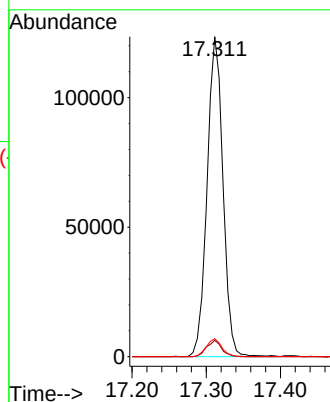
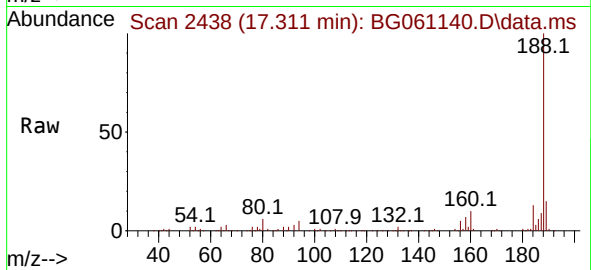
Tgt Ion:188 Resp: 184012

Ion Ratio Lower Upper

188 100

94 5.1 3.6 5.4

80 5.6 4.2 6.2



#75

Fluoranthene

Concen: 3.402 ng

RT: 19.368 min Scan# 2788

Delta R.T. -0.015 min

Lab File: BG061140.D

Acq: 8 May 2024 13:41

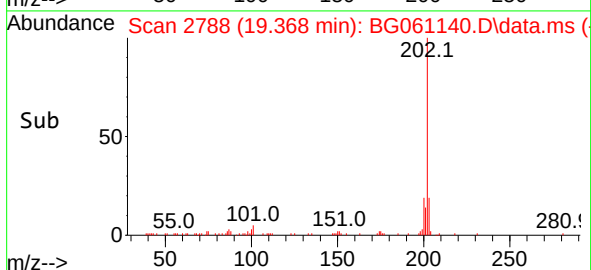
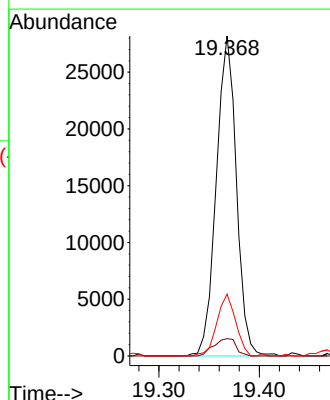
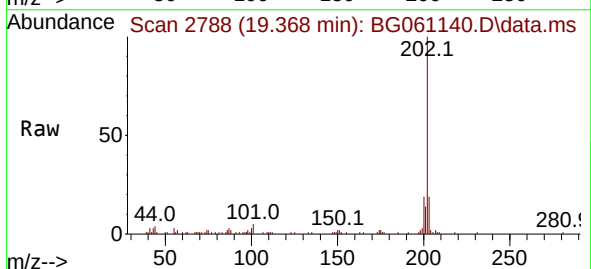
Tgt Ion:202 Resp: 39216

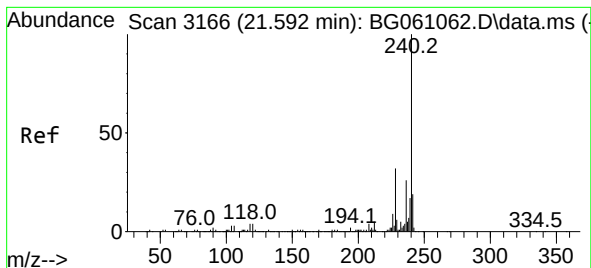
Ion Ratio Lower Upper

202 100

101 5.4 0.0 24.7

203 19.3 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.571 min Scan# 31

Delta R.T. -0.021 min

Lab File: BG061140.D

Acq: 8 May 2024 13:41

Instrument :

BNA_G

ClientSampleId :

TOP-SOIL-1

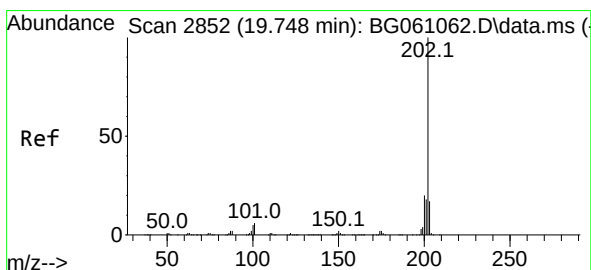
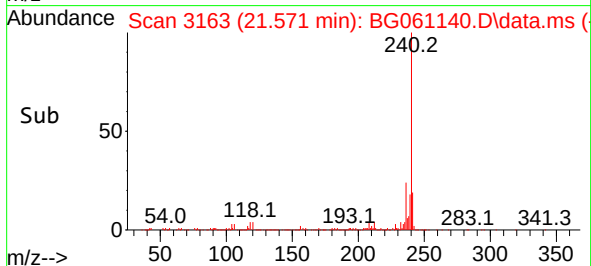
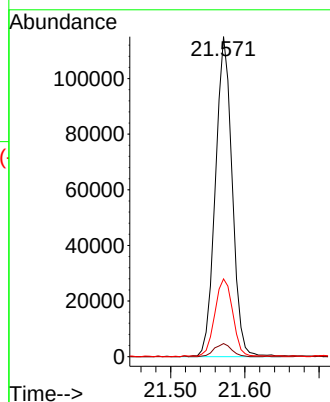
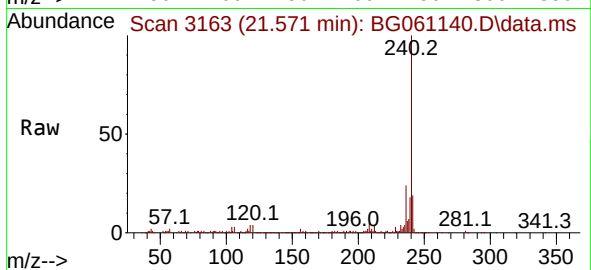
Tgt Ion:240 Resp: 180829

Ion Ratio Lower Upper

240 100

120 4.1 3.2 4.8

236 24.3 21.0 31.6



#78

Pyrene

Concen: 3.064 ng

RT: 19.726 min Scan# 2849

Delta R.T. -0.021 min

Lab File: BG061140.D

Acq: 8 May 2024 13:41

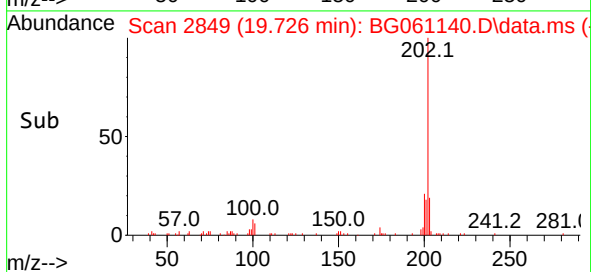
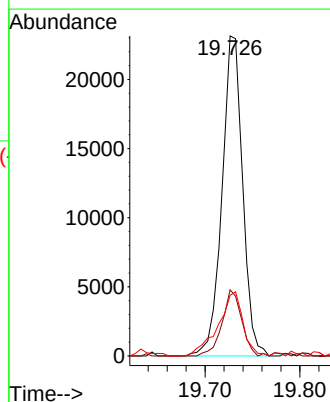
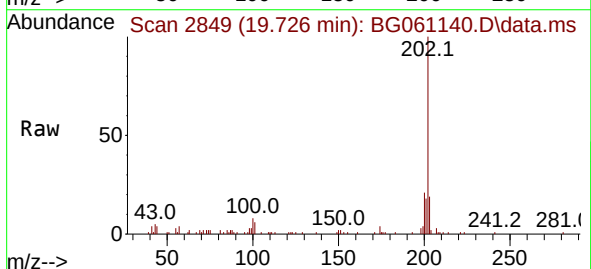
Tgt Ion:202 Resp: 35222

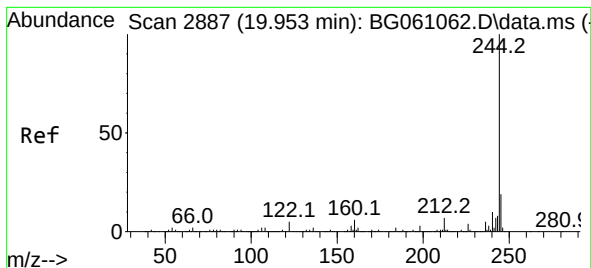
Ion Ratio Lower Upper

202 100

200 20.6 16.2 24.4

203 19.0 13.3 19.9





#79

Terphenyl-d14

Concen: 55.491 ng

RT: 19.932 min Scan# 21

Delta R.T. -0.021 min

Lab File: BG061140.D

Acq: 8 May 2024 13:41

Instrument :

BNA_G

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TOP-SOIL-1

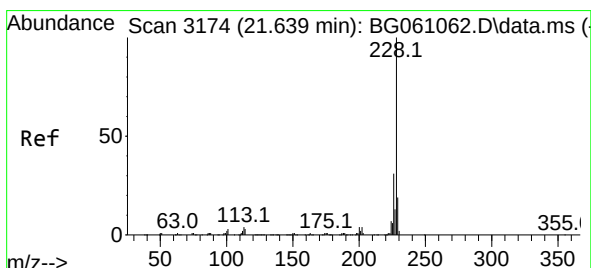
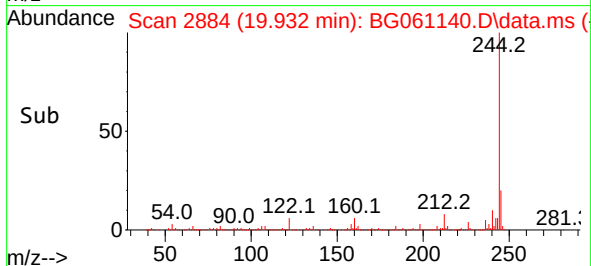
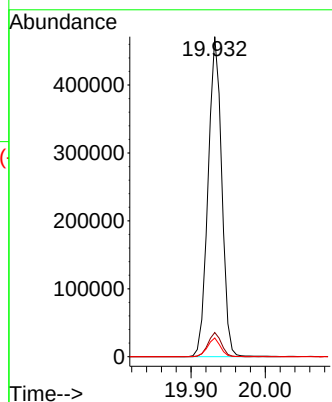
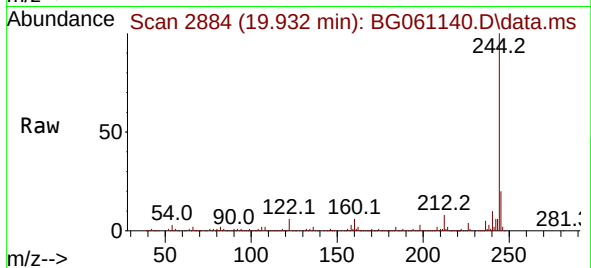
Tgt Ion:244 Resp: 603336

Ion Ratio Lower Upper

244 100

212 7.6 5.7 8.5

122 5.8 4.2 6.2



#83

Chrysene

Concen: 2.310 ng

RT: 21.612 min Scan# 3170

Delta R.T. -0.027 min

Lab File: BG061140.D

Acq: 8 May 2024 13:41

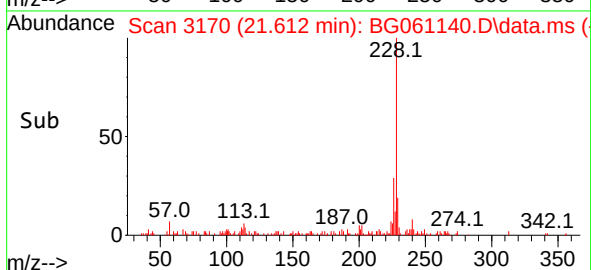
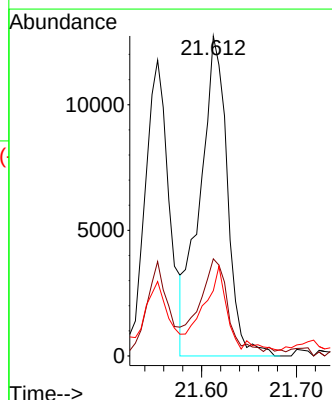
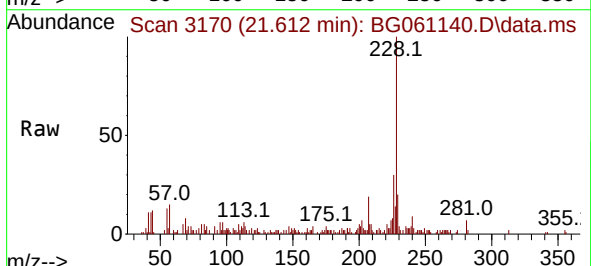
Tgt Ion:228 Resp: 25612

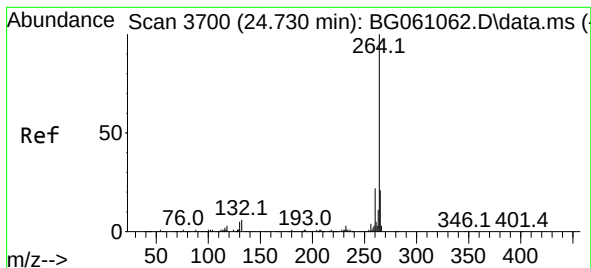
Ion Ratio Lower Upper

228 100

226 30.4 24.4 36.6

229 20.4 14.8 22.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.697 min Scan# 3

Delta R.T. -0.033 min

Lab File: BG061140.D

Acq: 8 May 2024 13:41

Instrument :

BNA_G

ClientSampleId :

TOP-SOIL-1

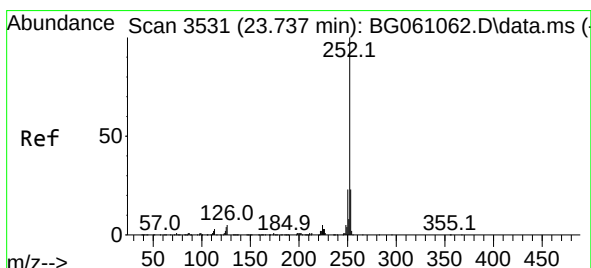
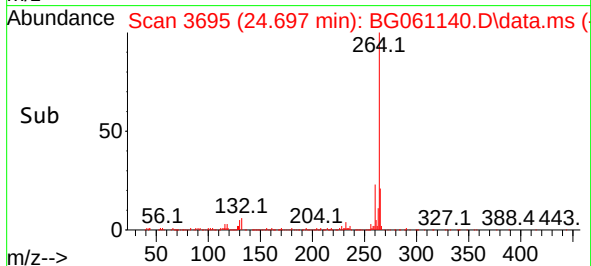
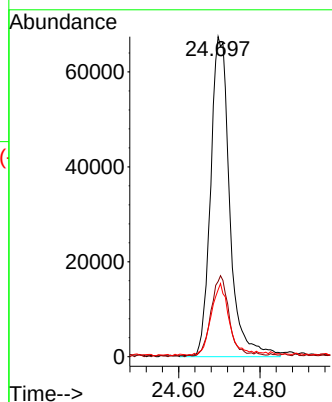
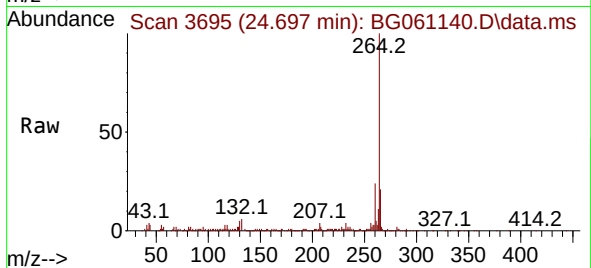
Tgt Ion:264 Resp: 220278

Ion Ratio Lower Upper

264 100

260 23.5 17.7 26.5

265 20.9 16.4 24.6



#88

Benzo(b)fluoranthene

Concen: 2.715 ng

RT: 23.710 min Scan# 3527

Delta R.T. -0.027 min

Lab File: BG061140.D

Acq: 8 May 2024 13:41

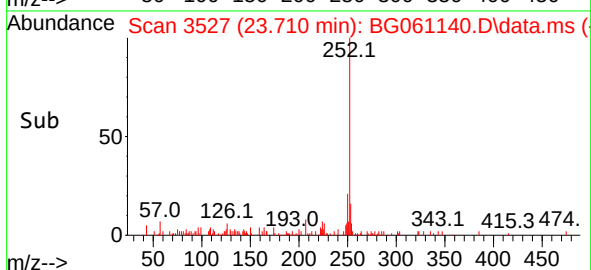
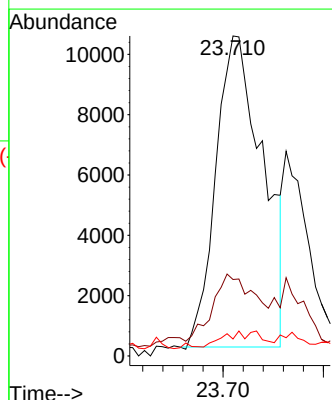
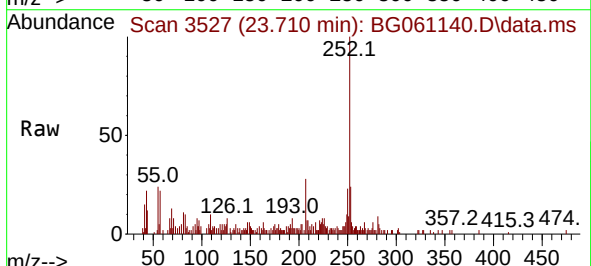
Tgt Ion:252 Resp: 33425

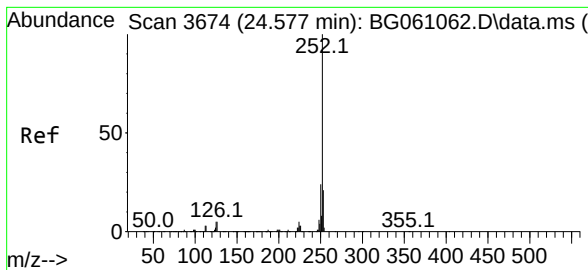
Ion Ratio Lower Upper

252 100

253 23.9 18.2 27.2

125 5.3 3.4 5.0#





#90

Benzo(a)pyrene

Concen: 2.084 ng

RT: 24.544 min Scan# 30

Delta R.T. -0.033 min

Lab File: BG061140.D

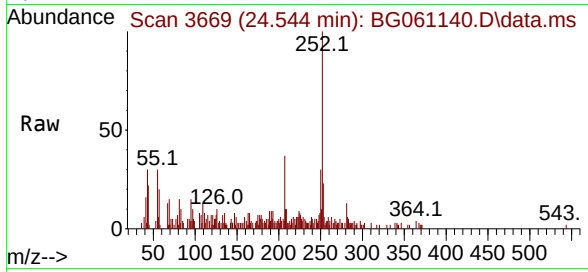
Acq: 8 May 2024 13:41

Instrument :

BNA_G

ClientSampleId :

TOP-SOIL-1



Tgt Ion:252 Resp: 22351

Ion Ratio Lower Upper

252 100

253 23.4 16.9 25.3

125 7.2 3.8 5.8#

