

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG030823\
 Data File : BG056878.D
 Acq On : 8 Mar 2023 12:13
 Operator : CG/JU
 Sample : 01784-01
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 DCAD0

Quant Time: Mar 08 13:29:00 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG030723.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Mar 07 23:54:44 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.420	152	13373	20.000	ng/ul	0.00
20) Naphthalene-d8	11.258	136	54461	20.000	ng/ul	0.00
38) Acenaphthene-d10	15.030	164	44403	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.774	188	128229	20.000	ng/ul	0.00
79) Chrysene-d12	22.098	240	128679	20.000	ng/ul	-0.01
88) Perylene-d12	25.647	264	138976	20.000	ng/ul	-0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.714	96	5034	14.598	ng/uL	0.02
4) Pyridine-d5	4.137	84	4788	4.268	ng/ul	0.00
7) Phenol-d5	7.533	99	7433	5.423	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.721	67	21928	25.470	ng/ul	0.00
11) 2-Chlorophenol-d4	7.938	132	17906	20.874	ng/ul	0.00
15) 4-Methylphenol-d8	9.107	113	12823	12.399	ng/ul	0.00
21) Nitrobenzene-d5	9.595	128	12602	27.899	ng/ul	0.00
24) 2-Nitrophenol-d4	10.318	143	14942	27.962	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.864	165	24342	23.517	ng/ul	0.00
31) 4-Chloroaniline-d4	11.381	131	28152	20.641	ng/ul	0.00
46) Dimethylphthalate-d6	14.419	166	119592	31.488	ng/ul	0.00
49) Acenaphthylene-d8	14.730	160	116997	28.055	ng/ul	0.00
54) 4-Nitrophenol-d4	15.188	143	4441	6.900	ng/ul	-0.01
60) Fluorene-d10	16.017	176	104754	29.743	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	16.117	200	25897	27.945	ng/ul	0.00
73) Anthracene-d10	17.874	188	202484	32.672	ng/ul	0.00
81) Pyrene-d10	20.136	212	264771	33.781	ng/ul	0.00
92) Benzo(a)pyrene-d12	25.406	264	253518	33.315	ng/ul	-0.01
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.708	88	138	0.359	ng/ul#	14
17) N-Nitroso-di-n-propyla...	9.107	70	395	0.384	ng/ul#	1
19) Hexachloroethane	9.613	117	912	2.506	ng/ul#	2
23) Isophorone	10.324	82	1439	0.523	ng/ul#	68
30) Naphthalene	11.311	128	198070	65.840	ng/ul	99
32) 4-Chloroaniline	11.311	127	27603	20.657	ng/ul#	11
36) 2-Methylnaphthalene	12.885	142	18981	8.771	ng/ul	96
37) 1-Methylnaphthalene	13.103	142	16282	7.530	ng/ul	98
50) Acenaphthylene	14.760	152	365	0.087	ng/ul#	62
52) Acenaphthene	15.094	153	22028	7.473	ng/ul	98
56) Dibenzofuran	15.423	168	15438	3.426	ng/ul	97
61) Fluorene	16.076	166	8451	2.355	ng/ul	93
67) N-Nitrosodiphenylamine	16.364	169	441	0.128	ng/ul#	24
72) Phenanthrene	17.815	178	192	0.028	ng/ul#	61
74) Anthracene	17.832	178	57	0.008	ng/ul#	61
77) Carbazole	18.167	167	54598	9.152	ng/ul	97
78) Di-n-butylphthalate	18.696	149	203	0.029	ng/ul#	77
82) Pyrene	20.165	202	92	0.010	ng/ul#	82
85) Benzo(a)anthracene	22.092	228	232	0.025	ng/ul#	53
86) Bis(2-ethylhexyl)phtha...	21.922	149	59	0.013	ng/ul#	55
87) Chrysene	22.092	228	232	0.027	ng/ul#	50
93) Benzo(a)pyrene	25.394	252	584	0.072	ng/ul#	60

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QLast Update : Tue Mar 07 23:54:44 2023
Response via : Initial Calibration

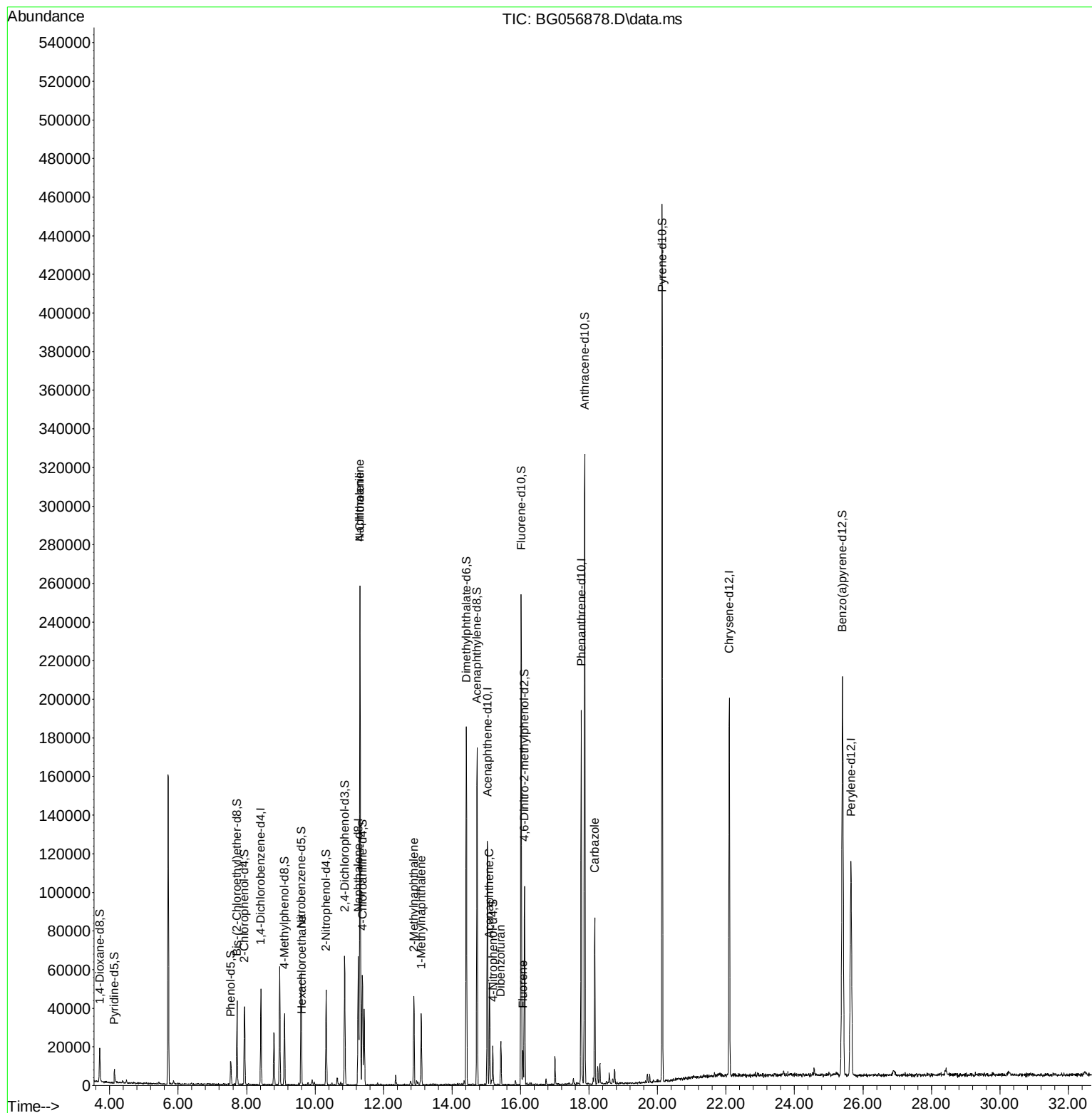
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

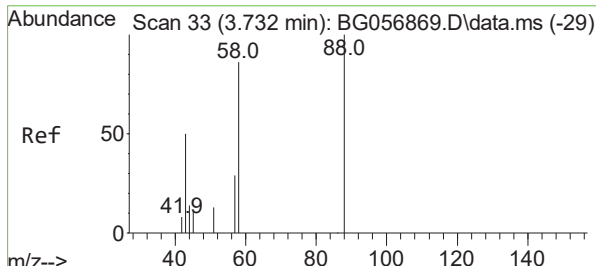
(#) = qualifier out of range (m) = manual integration (+) = signals summed						

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Operator : CG/JU
Sample : 01784-01
Misc :
ALS Vial : 5 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :
DCAD0

Quant Time: Mar 08 17:29:57 2023
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\SFAM-EPA-BG030723.M
Quant Title : SVOA CALIBRATION
QLast Update : Tue Mar 07 23:54:44 2023
Response via : Initial Calibration

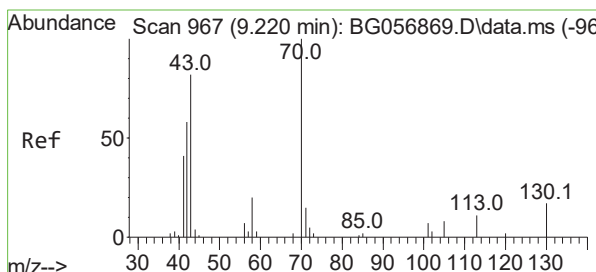
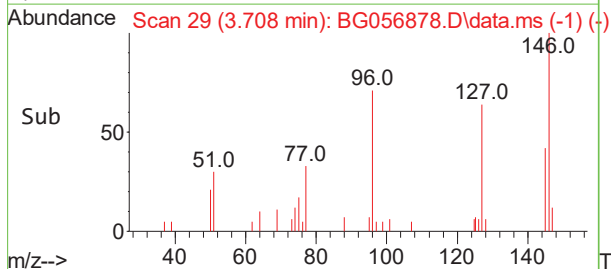
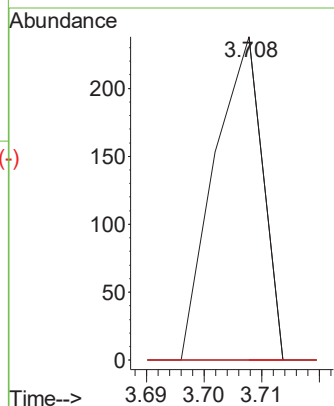
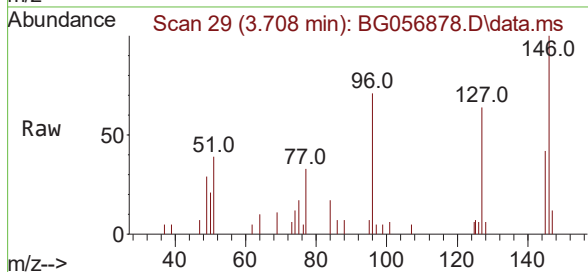




1,4-Dioxane
 Concen: 0.359 ng/uL
 RT: 3.708 min Scan# 1
 Delta R.T. -0.024 min
 Lab File: BG056878.D
 Acq: 8 Mar 2023 12:13

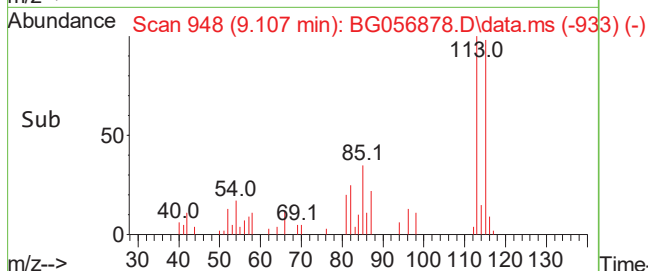
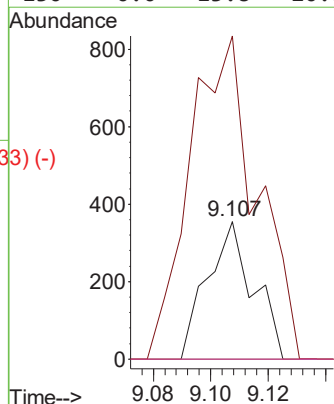
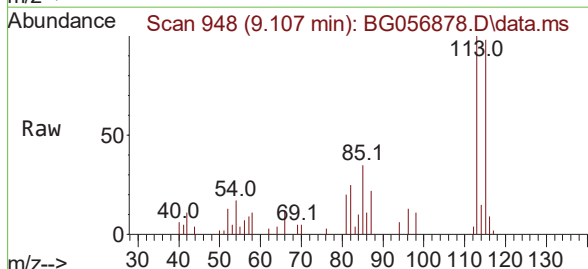
Instrument :
 BNA_G
 ClientSampleId :
 DCAD0

Tgt Ion: 88 Resp: 138
 Ion Ratio Lower Upper
 88 100
 43 0.0 40.2 60.4#
 58 0.0 69.0 103.6#



N-Nitroso-di-n-propylamine
 Concen: 0.384 ng/uL
 RT: 9.107 min Scan# 948
 Delta R.T. -0.112 min
 Lab File: BG056878.D
 Acq: 8 Mar 2023 12:13

Tgt Ion: 70 Resp: 395
 Ion Ratio Lower Upper
 70 100
 42 234.9 47.8 71.6#
 101 0.0 5.4 8.2#
 130 0.0 13.8 20.8#



Abundance Scan 1019 (9.525 min): BG056869.D\data.ms (-1019) (-)

Hexachloroethane

Concen: 2.506 ng/u1

RT: 9.613 min Scan# 1117

Delta R.T. 0.088 min

Lab File: BG056878.D

Acq: 8 Mar 2023 12:13

Instrument :

BNA_G

ClientSampleId :

DCAD0

Tgt Ion:117 Resp: 912

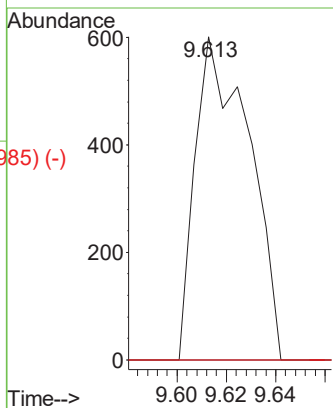
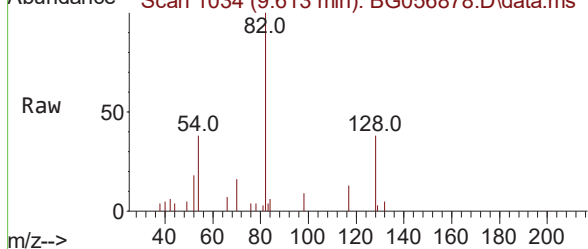
Ion Ratio Lower Upper

117 100

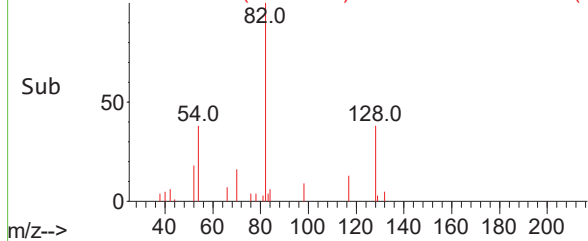
201 0.0 87.5 131.3#

199 0.0 63.8 95.6#

Abundance Scan 1034 (9.613 min): BG056878.D\data.ms



Abundance Scan 1034 (9.613 min): BG056878.D\data.ms (-985) (-)



Abundance Scan 1127 (10.160 min): BG056869.D\data.ms (-1127) (-)

Isophorone

Concen: 0.523 ng/u1

RT: 10.324 min Scan# 1155

Delta R.T. 0.164 min

Lab File: BG056878.D

Acq: 8 Mar 2023 12:13

Tgt Ion: 82 Resp: 1439

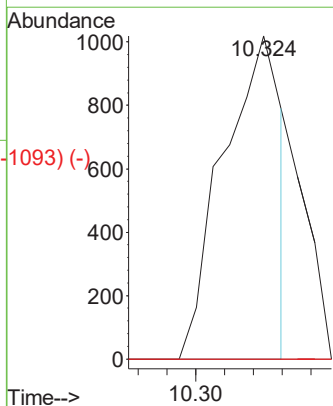
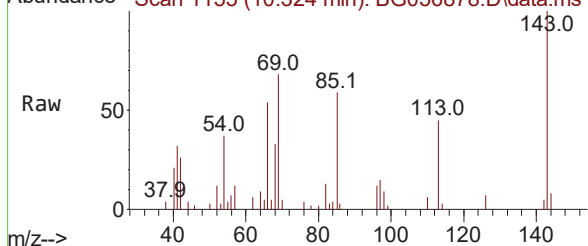
Ion Ratio Lower Upper

82 100

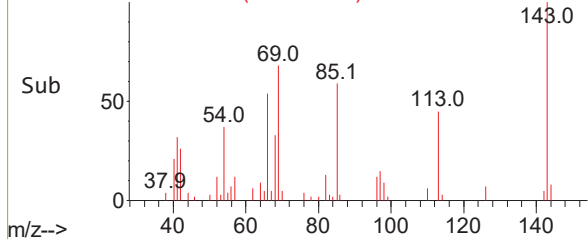
95 0.0 6.1 9.1#

138 0.0 12.6 18.8#

Abundance Scan 1155 (10.324 min): BG056878.D\data.ms



Abundance Scan 1155 (10.324 min): BG056878.D\data.ms (-1093) (-)



Abundance Scan 1324 (11.317 min): BG056869.D\data.ms (-1280) (-)

Naphthalene

Concen: 65.840 ng/u1

RT: 11.311 min Scan# 1324

Delta R.T. -0.006 min

Lab File: BG056878.D

Acq: 8 Mar 2023 12:13

Instrument :

BNA_G

ClientSampleId :

DCAD0

Tgt Ion:128 Resp: 198070

Ion Ratio Lower Upper

128 100

129 11.3 9.4 14.0

127 14.0 11.8 17.6

Abundance Scan 1323 (11.311 min): BG056878.D\data.ms

Ref

50

39.0 63.0 77.0 102.0 128.0

m/z-->

Abundance Scan 1323 (11.311 min): BG056878.D\data.ms

Raw

50

37.0 51.0 75.0 102.0 128.0

m/z-->

Abundance Scan 1323 (11.311 min): BG056878.D\data.ms (-1290) (-)

Sub

50

37.0 51.0 75.0 102.0 128.0

m/z-->

Abundance

100000

80000

60000

40000

20000

0

Time-->

11.311

Abundance Scan 1339 (11.405 min): BG056869.D\data.ms (-1270) (-)

4-Chloroaniline

Concen: 20.657 ng/u1

RT: 11.311 min Scan# 1323

Delta R.T. -0.095 min

Lab File: BG056878.D

Acq: 8 Mar 2023 12:13

Tgt Ion:127 Resp: 27603

Ion Ratio Lower Upper

127 100

129 80.4 25.1 37.7#

Abundance Scan 1323 (11.311 min): BG056878.D\data.ms

Ref

50

39.0 65.0 92.0 109.8 127.0

m/z-->

Abundance Scan 1323 (11.311 min): BG056878.D\data.ms

Raw

50

37.0 51.0 75.0 102.0 128.0

m/z-->

Abundance Scan 1323 (11.311 min): BG056878.D\data.ms (-1305) (-)

Sub

50

37.0 51.0 75.0 102.0 128.0

m/z-->

Abundance

15000

10000

5000

0

Time-->

11.311

Abundance Scan 1592 (12.892 min): BG056869.D\data.ms (-1535) (-)

2-Methylnaphthalene

Concen: 8.771 ng/u1

RT: 12.885 min Scan# 1592

Delta R.T. -0.006 min

Lab File: BG056878.D

Acq: 8 Mar 2023 12:13

Instrument :

BNA_G

ClientSampleId :

DCAD0

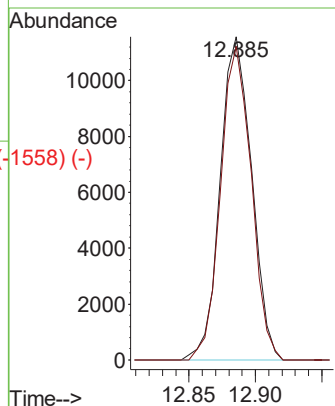
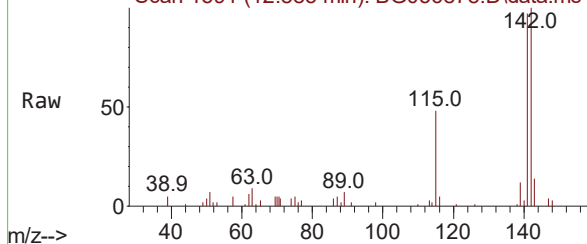
Tgt Ion:142 Resp: 18981

Ion Ratio Lower Upper

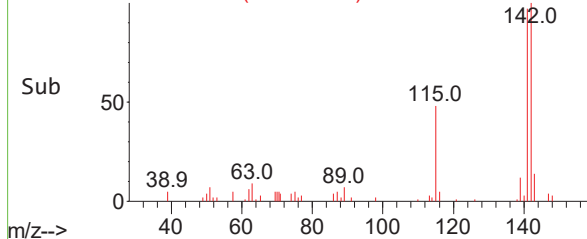
142 100

141 97.1 74.6 111.8

Abundance Scan 1591 (12.885 min): BG056878.D\data.ms



Abundance Scan 1591 (12.885 min): BG056878.D\data.ms (-1558) (-)



Abundance Scan 1628 (13.103 min): BG056869.D\data.ms (-1622) (-)

1-Methylnaphthalene

Concen: 7.530 ng/u1

RT: 13.103 min Scan# 1628

Delta R.T. -0.001 min

Lab File: BG056878.D

Acq: 8 Mar 2023 12:13

Tgt Ion:142 Resp: 16282

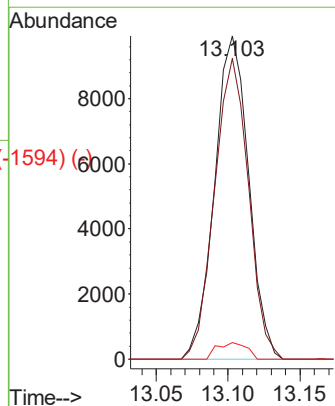
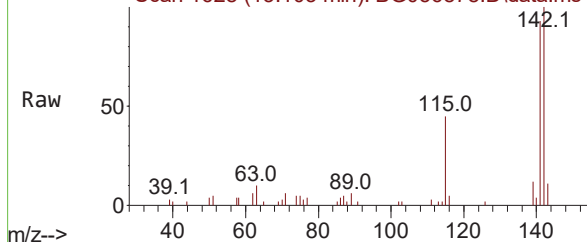
Ion Ratio Lower Upper

142 100

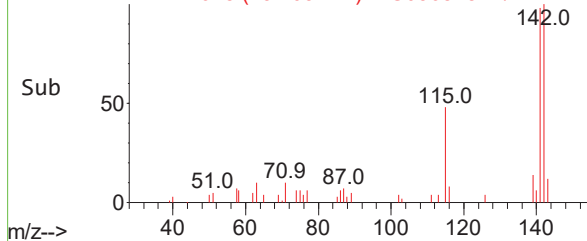
141 93.1 73.0 109.4

116 5.1 4.6 7.0

Abundance Scan 1628 (13.103 min): BG056878.D\data.ms



Abundance Scan 1628 (13.103 min): BG056878.D\data.ms (-1594) (-)



Abundance Scan 1911 (14.766 min): BG056869.D\data.ms (-1950) (-)

Acenaphthylene

Concen: 0.087 ng/ul

RT: 14.760 min Scan# 1911

Delta R.T. -0.006 min

Lab File: BG056878.D

Acq: 8 Mar 2023 12:13

Instrument :

BNA_G

ClientSampleId :

DCAD0

Tgt Ion:152 Resp: 365

Ion Ratio Lower Upper

152 100

151 37.4 15.2 22.8#

153 0.0 10.6 16.0#

Abundance Scan 1910 (14.760 min): BG056878.D\data.ms

Ref 50

Raw 50

Sub 50

m/z-->

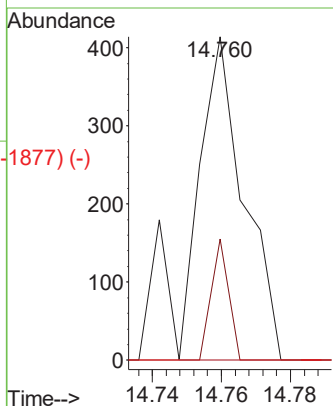
Abundance Scan 1910 (14.760 min): BG056878.D\data.ms (-1877) (-)

Ref 50

Raw 50

Sub 50

m/z-->



Abundance Scan 1968 (15.101 min): BG056869.D\data.ms (-1952) (-)

Acenaphthene

Concen: 7.473 ng/ul

RT: 15.094 min Scan# 1967

Delta R.T. -0.006 min

Lab File: BG056878.D

Acq: 8 Mar 2023 12:13

Tgt Ion:153 Resp: 22028

Ion Ratio Lower Upper

153 100

152 54.1 40.5 60.7

154 85.6 67.8 101.8

Abundance Scan 1967 (15.094 min): BG056878.D\data.ms

Ref 50

Raw 50

Sub 50

m/z-->

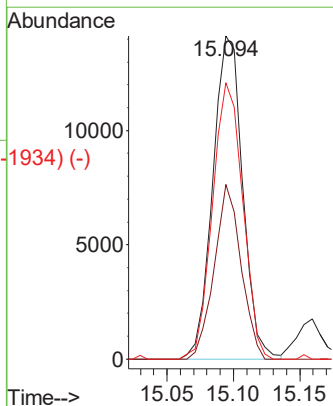
Abundance Scan 1967 (15.094 min): BG056878.D\data.ms (-1934) (-)

Ref 50

Raw 50

Sub 50

m/z-->



Abundance Scan 2024 (15.430 min): BG056869.D\data.ms (-2056) (-)

Dibenzofuran

Concen: 3.426 ng/u1

RT: 15.423 min Scan# 2134

Delta R.T. -0.006 min

Lab File: BG056878.D

Acq: 8 Mar 2023 12:13

Instrument :

BNA_G

ClientSampleId :

DCAD0

Tgt Ion:168 Resp: 15438

Ion Ratio Lower Upper

168 100

139 38.8 29.5 44.3

Abundance Scan 2023 (15.423 min): BG056878.D\data.ms

Ref 50

168.0

139.0

39.0 63.0 87.0 113.0

m/z-->

Abundance Scan 2023 (15.423 min): BG056878.D\data.ms

Raw 50

168.0

139.0

44.0 62.9 86.9 112.9

m/z-->

Abundance Scan 2023 (15.423 min): BG056878.D\data.ms (-1990) (-)

Sub 50

168.0

139.0

39.0 62.9 89.0 114.0

m/z-->

Abundance

15.423

8000

6000

4000

2000

0

Time-->

Abundance Scan 2134 (16.076 min): BG056869.D\data.ms (-2161) (-)

Fluorene

Concen: 2.355 ng/u1

RT: 16.076 min Scan# 2134

Delta R.T. -0.001 min

Lab File: BG056878.D

Acq: 8 Mar 2023 12:13

Tgt Ion:166 Resp: 8451

Ion Ratio Lower Upper

166 100

165 92.7 80.5 120.7

167 12.4 11.3 16.9

Abundance Scan 2134 (16.076 min): BG056878.D\data.ms

Ref 50

166.1

139.0

43.9 62.9 82.6 115.0

m/z-->

Abundance Scan 2134 (16.076 min): BG056878.D\data.ms (-2100) (-)

Raw 50

166.1

139.0

62.9 82.6 115.0

m/z-->

Abundance

16.076

5000

4000

3000

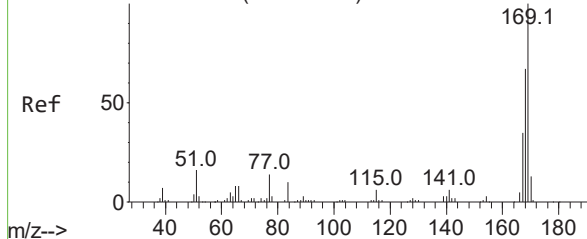
2000

1000

0

Time-->

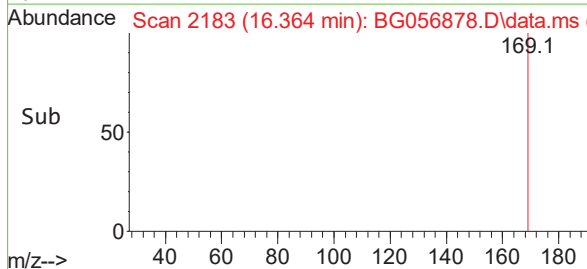
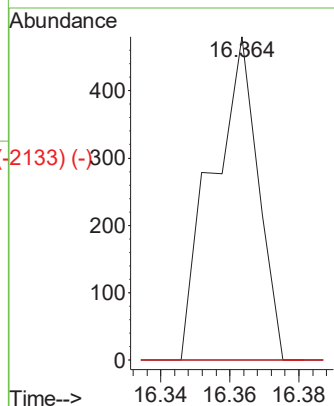
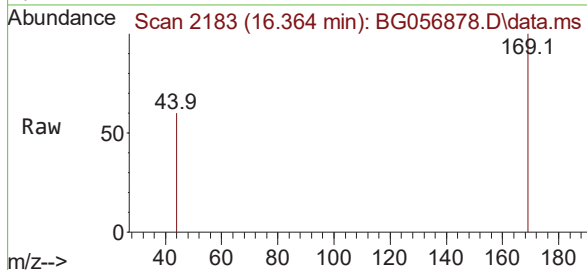
Abundance Scan 2167 (16.270 min): BG056869.D\data.ms (-2167) (-)



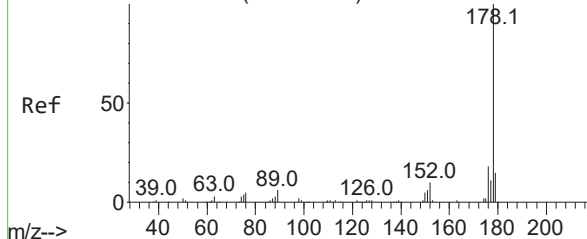
N-Nitrosodiphenylamine
Concen: 0.128 ng/ul
RT: 16.364 min Scan# 2183
Delta R.T. 0.093 min
Lab File: BG056878.D
Acq: 8 Mar 2023 12:13

Instrument :
BNA_G
ClientSampleId :
DCAD0

Tgt Ion:	169	Resp:	441
Ion	Ratio	Lower	Upper
169	100		
168	0.0	53.9	80.9#
167	0.0	28.2	42.4#

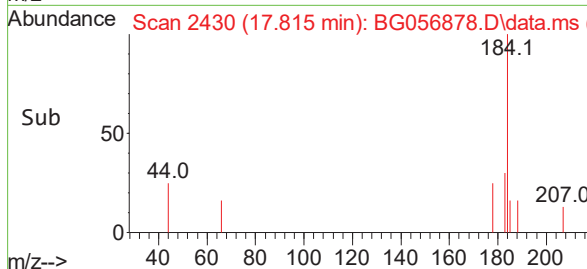
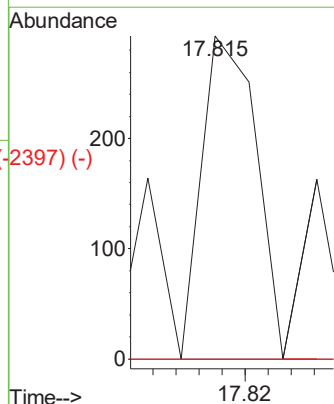
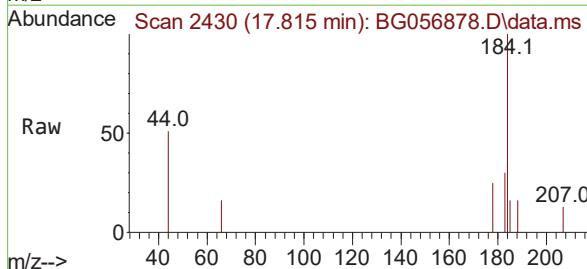


Abundance Scan 2431 (17.821 min): BG056869.D\data.ms (-2431) (-)

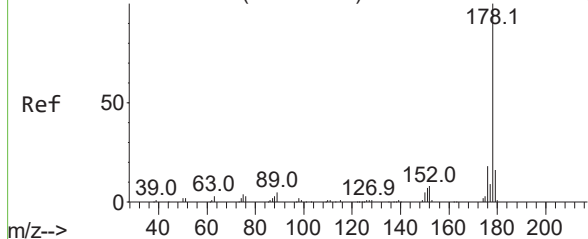


Phenanthrene
Concen: 0.028 ng/ul
RT: 17.815 min Scan# 2430
Delta R.T. -0.006 min
Lab File: BG056878.D
Acq: 8 Mar 2023 12:13

Tgt Ion:	178	Resp:	192
Ion	Ratio	Lower	Upper
178	100		
179	0.0	11.9	17.9#
176	0.0	14.6	22.0#



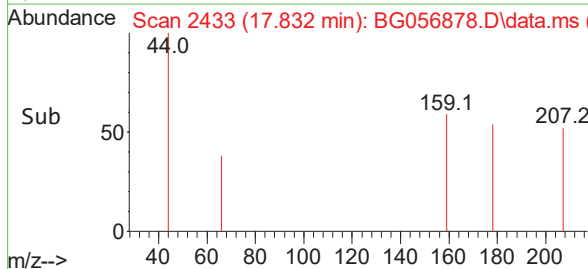
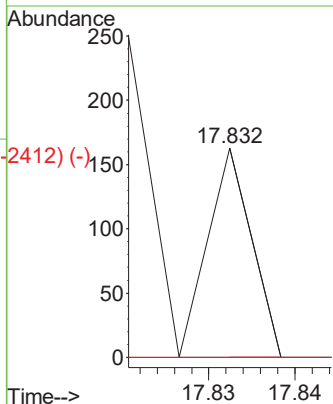
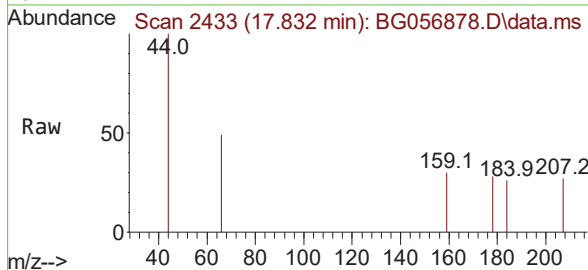
Abundance Scan 2446 (17.909 min): BG056869.D\data.ms (-2474) (-)



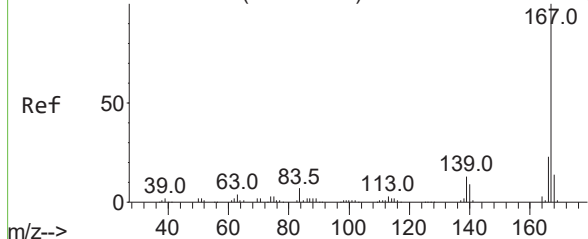
Anthracene
Concen: 0.008 ng/u1
RT: 17.832 min Scan# 2446
Delta R.T. -0.077 min
Lab File: BG056878.D
Acq: 8 Mar 2023 12:13

Instrument :
BNA_G
ClientSampleId :
DCAD0

Tgt Ion:178 Resp: 57
Ion Ratio Lower Upper
178 100
179 0.0 12.4 18.6#
176 0.0 14.2 21.2#

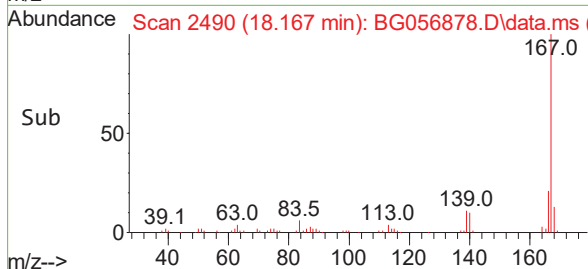
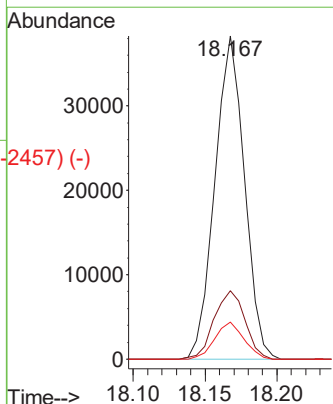
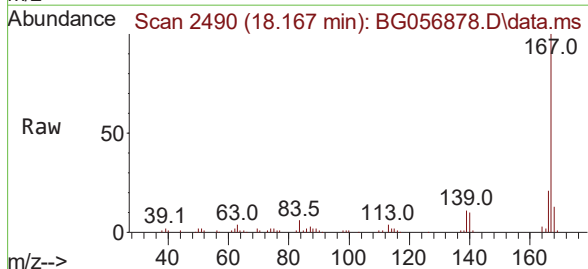


Abundance Scan 2491 (18.174 min): BG056869.D\data.ms (-2474) (-)

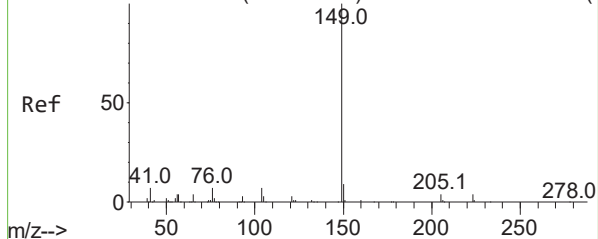


Carbazole
Concen: 9.152 ng/u1
RT: 18.167 min Scan# 2490
Delta R.T. -0.006 min
Lab File: BG056878.D
Acq: 8 Mar 2023 12:13

Tgt Ion:167 Resp: 54598
Ion Ratio Lower Upper
167 100
166 21.3 18.1 27.1
139 11.4 10.2 15.2



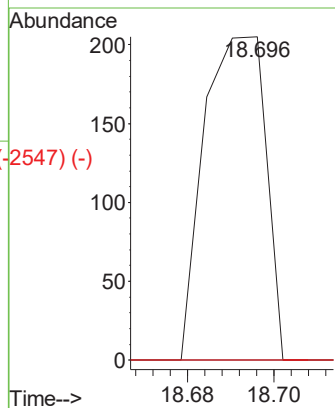
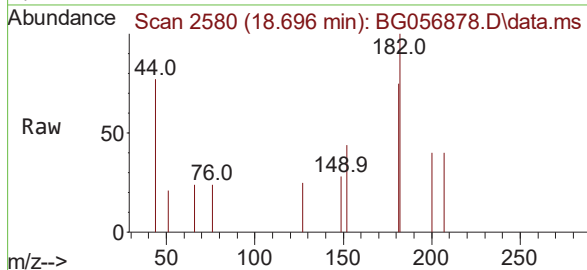
Abundance Scan 2581 (18.703 min): BG056869.D\data.ms (-2575) (-)



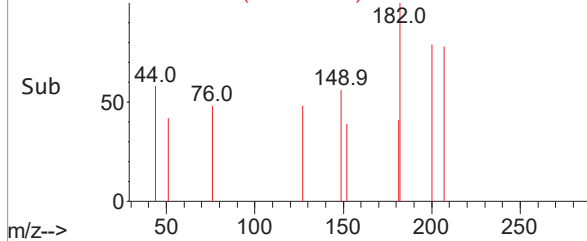
Di-n-butylphthalate
Concen: 0.029 ng/u1
RT: 18.696 min Scan# 2575
Delta R.T. -0.006 min
Lab File: BG056878.D
Acq: 8 Mar 2023 12:13

Instrument :
BNA_G
ClientSampleId :
DCAD0

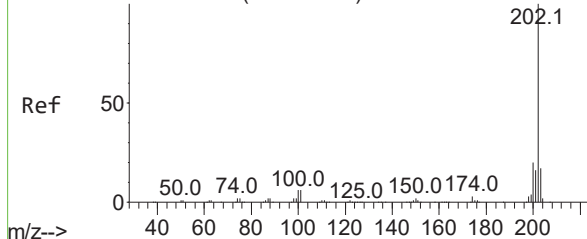
Tgt Ion:149 Resp: 203
Ion Ratio Lower Upper
149 100
150 0.0 7.4 11.2#
104 0.0 5.4 8.2#



Abundance Scan 2580 (18.696 min): BG056878.D\data.ms (-2547) (-)

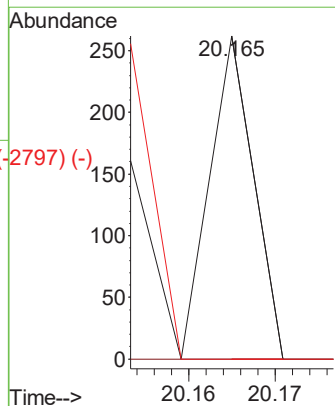
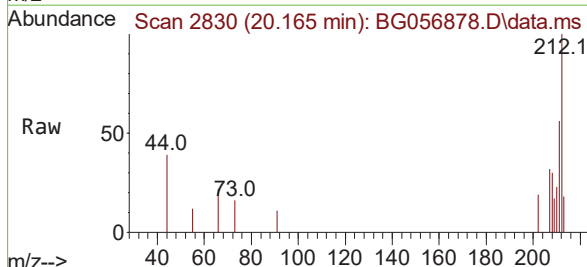


Abundance Scan 2831 (20.171 min): BG056869.D\data.ms (-2522) (-)

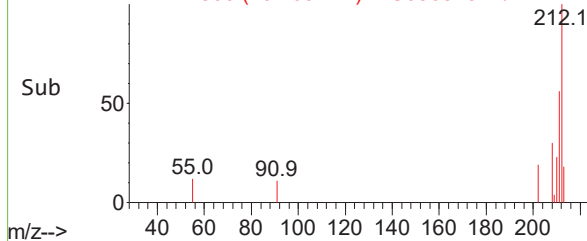


Pyrene
Concen: 0.010 ng/u1
RT: 20.165 min Scan# 2830
Delta R.T. -0.006 min
Lab File: BG056878.D
Acq: 8 Mar 2023 12:13

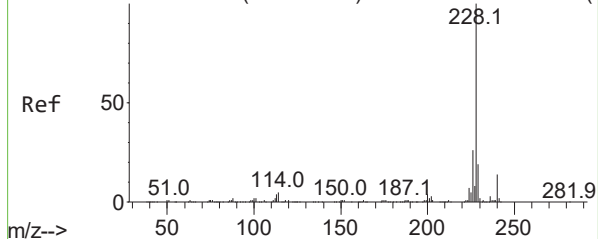
Tgt Ion:202 Resp: 92
Ion Ratio Lower Upper
202 100
101 0.0 5.2 7.8#
100 0.0 4.5 6.7#



Abundance Scan 2830 (20.165 min): BG056878.D\data.ms (-2797) (-)



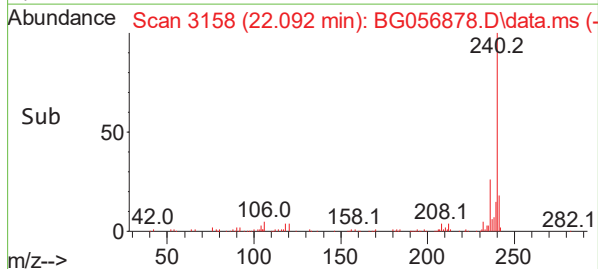
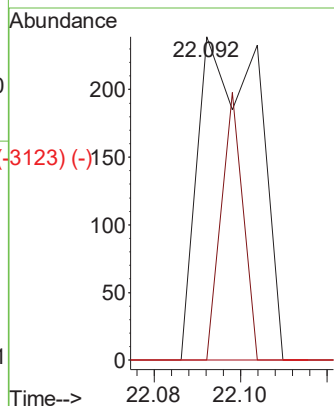
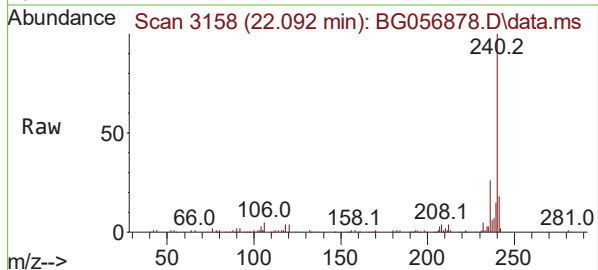
Abundance Scan 3157 (22.087 min): BG056869.D\data.ms (-3#85) (-)



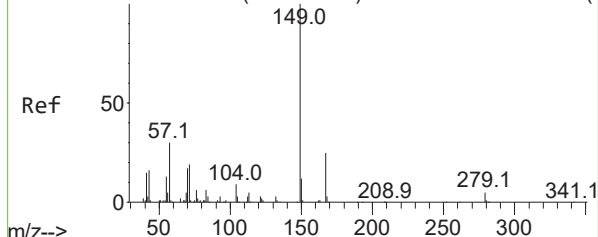
Benzo(a)anthracene
Concen: 0.025 ng/u1
RT: 22.092 min Scan# 3129
Delta R.T. 0.005 min
Lab File: BG056878.D
Acq: 8 Mar 2023 12:13

Instrument :
BNA_G
ClientSampleId :
DCAD0

Tgt Ion:228 Resp: 232
Ion Ratio Lower Upper
228 100
229 0.0 14.9 22.3#
226 0.0 21.0 31.6#

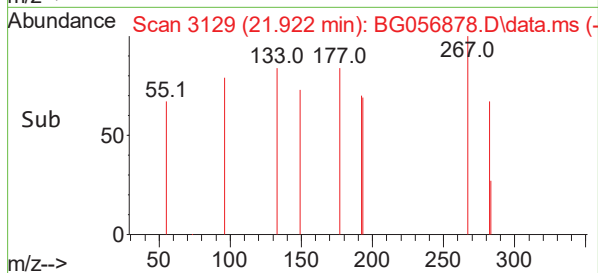
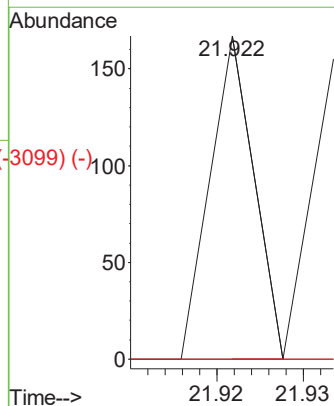
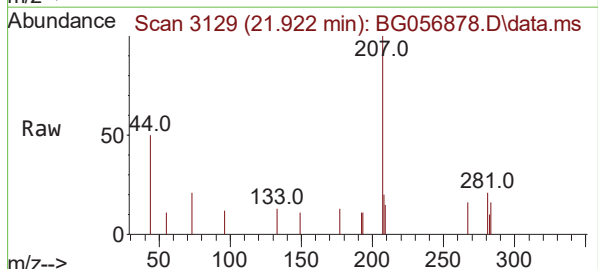


Abundance Scan 3133 (21.946 min): BG056869.D\data.ms (-3#26) (-)

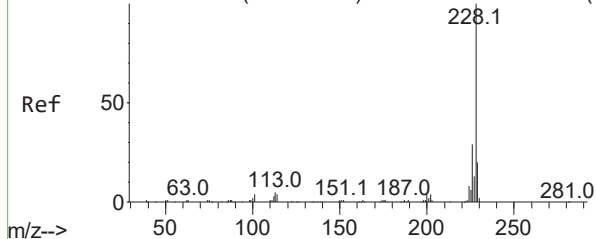


Bis(2-ethylhexyl)phthalate
Concen: 0.013 ng/u1
RT: 21.922 min Scan# 3129
Delta R.T. -0.024 min
Lab File: BG056878.D
Acq: 8 Mar 2023 12:13

Tgt Ion:149 Resp: 59
Ion Ratio Lower Upper
149 100
167 0.0 20.3 30.5#
279 0.0 4.0 6.0#



Abundance Scan 3169 (22.157 min): BG056869.D\data.ms (-3169) (-)



Chrysene

Concen: 0.027 ng/u1

RT: 22.092 min Scan# 3158

Delta R.T. -0.065 min

Lab File: BG056878.D

Acq: 8 Mar 2023 12:13

Instrument :

BNA_G

ClientSampleId :

DCAD0

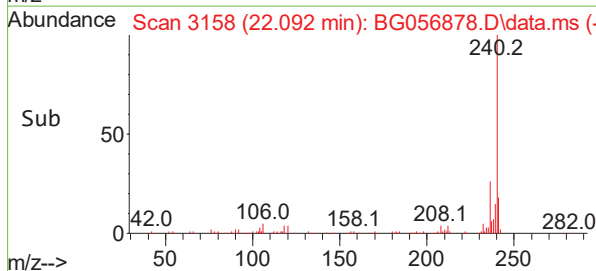
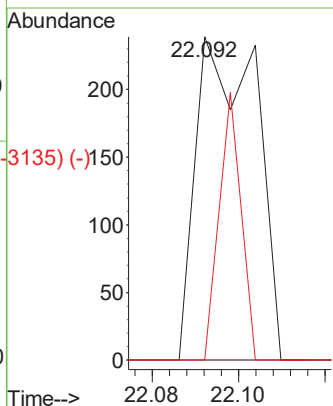
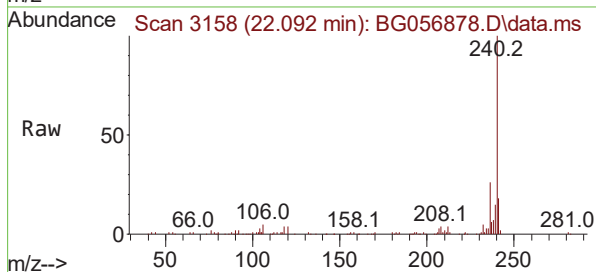
Tgt Ion:228 Resp: 232

Ion Ratio Lower Upper

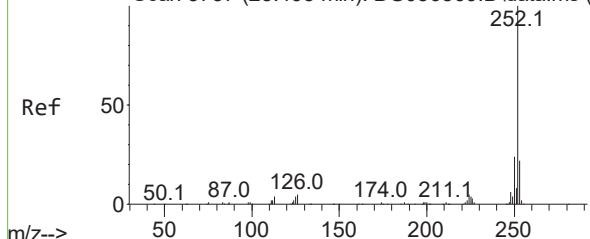
228 100

226 0.0 23.3 34.9#

229 0.0 15.8 23.6#



Abundance Scan 3737 (25.495 min): BG056869.D\data.ms (-3722) (-)



Benzo(a)pyrene

Concen: 0.072 ng/u1

RT: 25.394 min Scan# 3720

Delta R.T. -0.100 min

Lab File: BG056878.D

Acq: 8 Mar 2023 12:13

Tgt Ion:252 Resp: 584

Ion Ratio Lower Upper

252 100

253 0.0 17.2 25.8#

125 0.0 3.4 5.0#

