

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG020223\
 Data File : BG056531.D
 Acq On : 3 Feb 2023 2:22
 Operator : CG/JU
 Sample : 01390-01 10X
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 STOCKPILE-1

Quant Time: Feb 03 06:01:44 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG012723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Feb 01 01:15:52 2023
 Response via : Initial Calibration

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

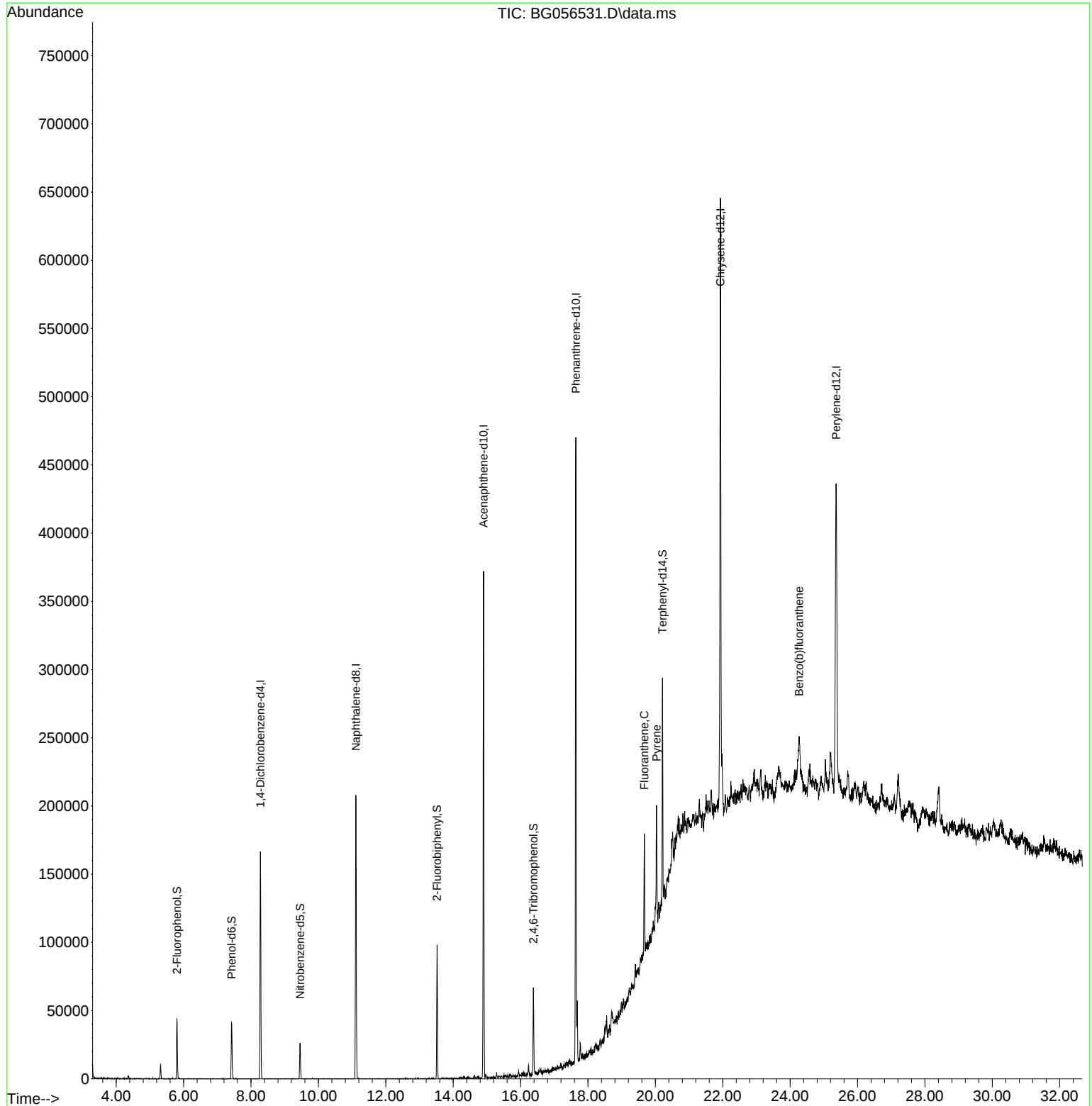
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.279	152	54205	20.000	ng	0.00
21) Naphthalene-d8	11.111	136	196705	20.000	ng	0.00
39) Acenaphthene-d10	14.901	164	141791	20.000	ng	0.00
64) Phenanthrene-d10	17.639	188	314852	20.000	ng	0.00
76) Chrysene-d12	21.928	240	296902	20.000	ng	0.00
86) Perylene-d12	25.365	264	318342	20.000	ng	0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.800	112	27646	9.382	ng	0.00
7) Phenol-d6	7.422	99	35258	8.076	ng	0.00
23) Nitrobenzene-d5	9.455	82	19729	5.695	ng	0.00
42) 2,4,6-Tribromophenol	16.382	330	14494	7.689	ng	0.00
45) 2-Fluorobiphenyl	13.520	172	57588	5.631	ng	0.00
79) Terphenyl-d14	20.213	244	87403	5.170	ng	0.00
Target Compounds						
75) Fluoranthene	19.672	202	61282	2.947	ng	Qvalue 98
78) Pyrene	20.036	202	59284	2.808	ng	97
88) Benzo(b)fluoranthene	24.261	252	41239	2.087	ng	# 74

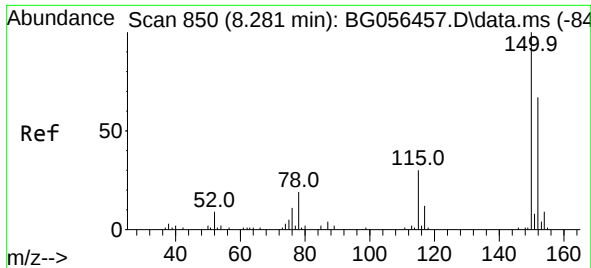
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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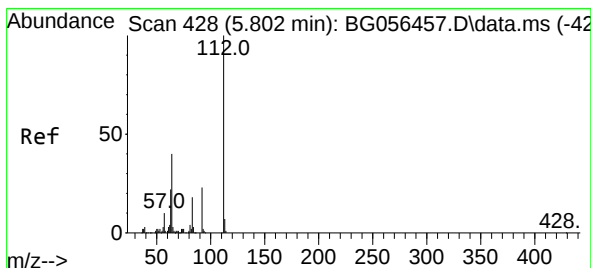
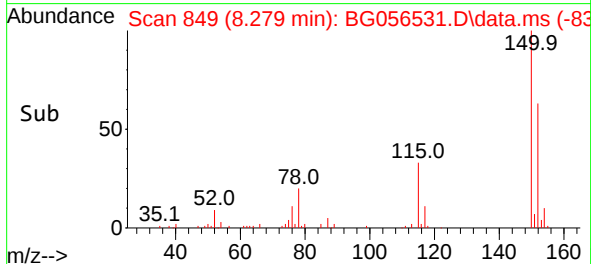
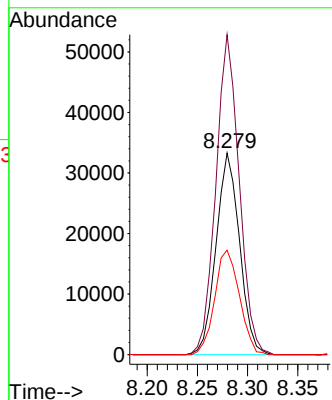
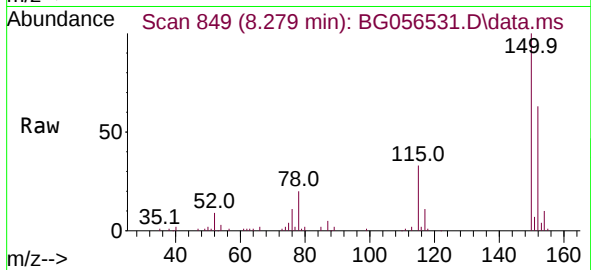




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.279 min Scan# 84
Delta R.T. 0.004 min
Lab File: BG056531.D
Acq: 3 Feb 2023 2:22

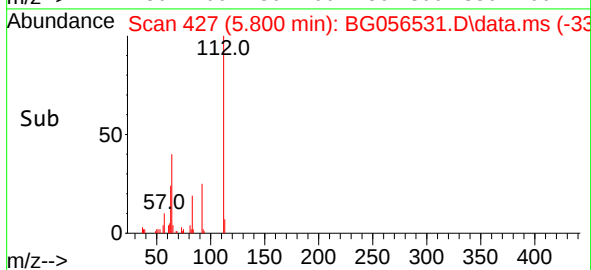
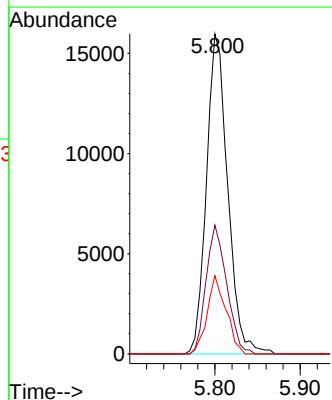
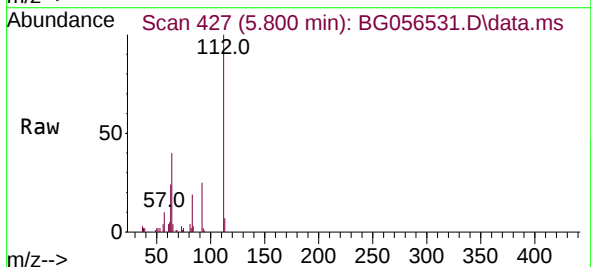
Instrument :
BNA_G
ClientSampleId :
STOCKPILE-1

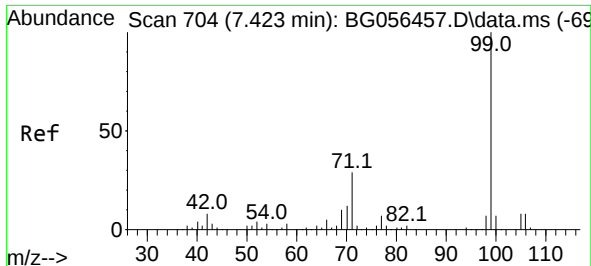
Tgt Ion:152 Resp: 54205
Ion Ratio Lower Upper
152 100
150 158.8 120.2 180.4
115 51.8 36.3 54.5



#5
2-Fluorophenol
Concen: 9.382 ng
RT: 5.800 min Scan# 427
Delta R.T. 0.004 min
Lab File: BG056531.D
Acq: 3 Feb 2023 2:22

Tgt Ion:112 Resp: 27646
Ion Ratio Lower Upper
112 100
64 40.2 31.9 47.9
63 24.4 17.4 26.0





#7

Phenol-d6

Concen: 8.076 ng

RT: 7.422 min Scan# 704

Delta R.T. 0.004 min

Lab File: BG056531.D

Acq: 3 Feb 2023 2:22

Instrument :

BNA_G

ClientSampleId :

STOCKPILE-1

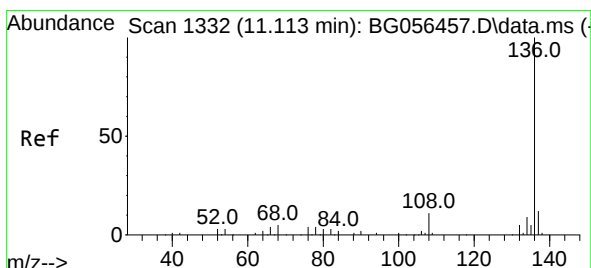
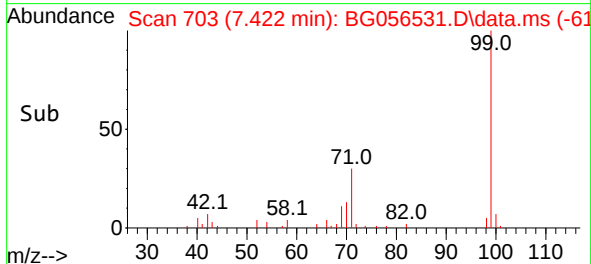
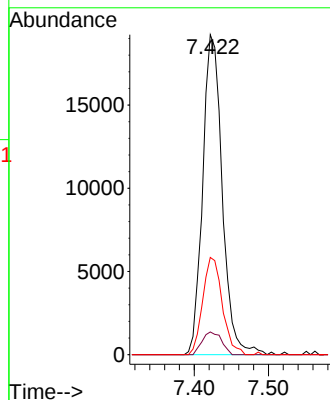
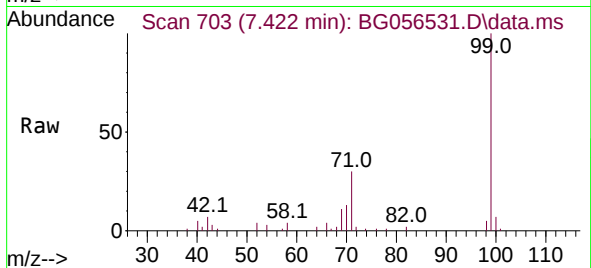
Tgt Ion: 99 Resp: 35258

Ion Ratio Lower Upper

99 100

42 7.1 6.6 10.0

71 30.4 23.4 35.0



#21

Naphthalene-d8

Concen: 20.000 ng

RT: 11.111 min Scan# 1331

Delta R.T. 0.004 min

Lab File: BG056531.D

Acq: 3 Feb 2023 2:22

Tgt Ion:136 Resp: 196705

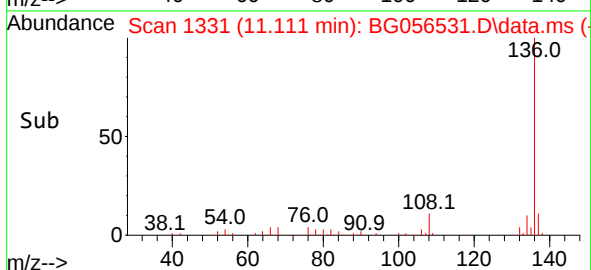
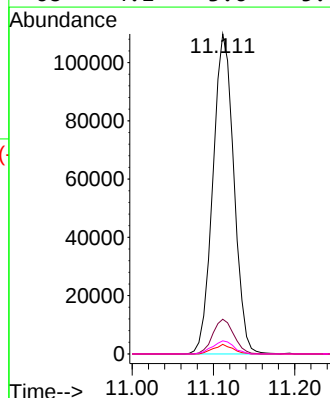
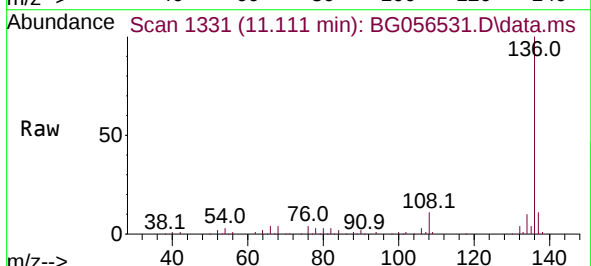
Ion Ratio Lower Upper

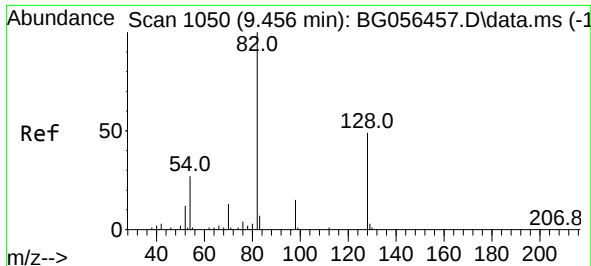
136 100

137 10.8 9.4 14.0

54 3.0 2.2 3.4

68 4.1 3.6 5.4





#23

Nitrobenzene-d5

Concen: 5.695 ng

RT: 9.455 min Scan# 1049

Delta R.T. -0.002 min

Lab File: BG056531.D

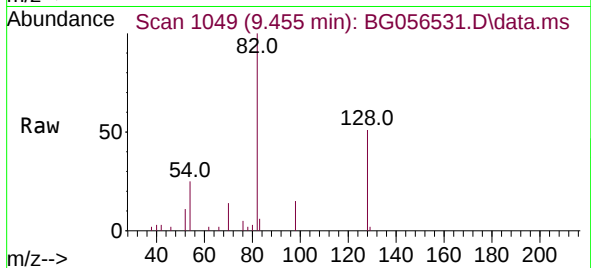
Acq: 3 Feb 2023 2:22

Instrument :

BNA_G

ClientSampleId :

STOCKPILE-1



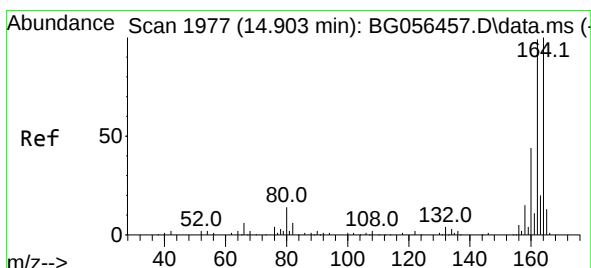
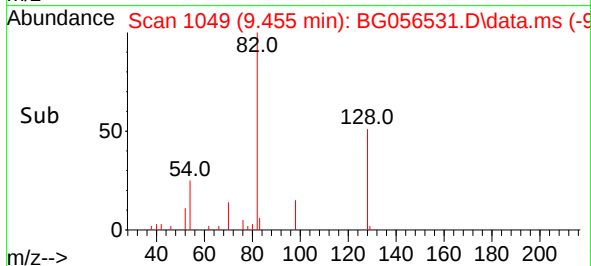
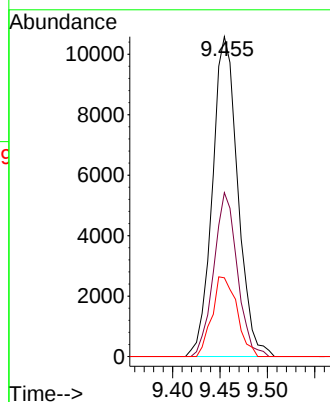
Tgt Ion: 82 Resp: 19729

Ion Ratio Lower Upper

82 100

128 51.2 39.4 59.2

54 24.6 21.4 32.2



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.901 min Scan# 1976

Delta R.T. 0.004 min

Lab File: BG056531.D

Acq: 3 Feb 2023 2:22

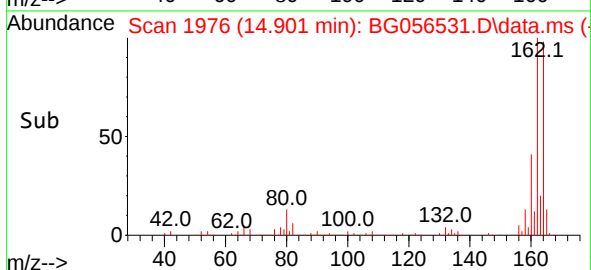
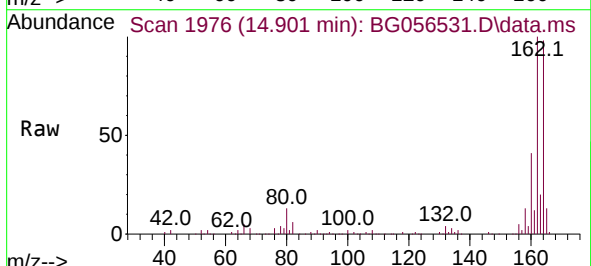
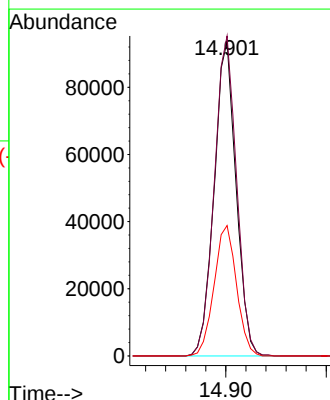
Tgt Ion: 164 Resp: 141791

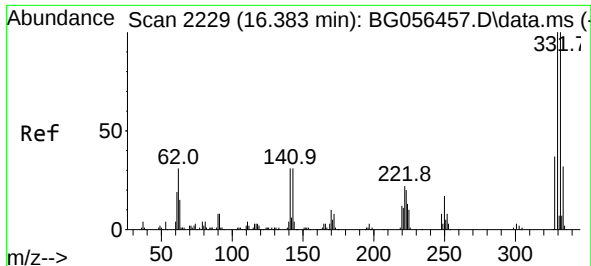
Ion Ratio Lower Upper

164 100

162 101.8 79.6 119.4

160 41.4 34.9 52.3





#42

2,4,6-Tribromophenol

Concen: 7.689 ng

RT: 16.382 min Scan# 21

Delta R.T. 0.004 min

Lab File: BG056531.D

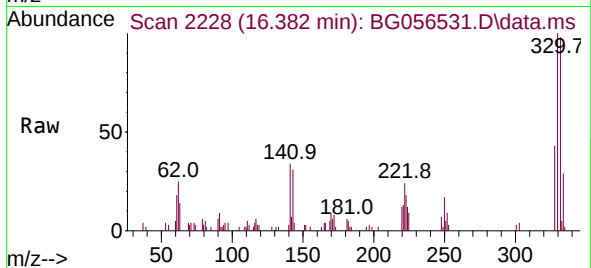
Acq: 3 Feb 2023 2:22

Instrument :

BNA_G

ClientSampleId :

STOCKPILE-1



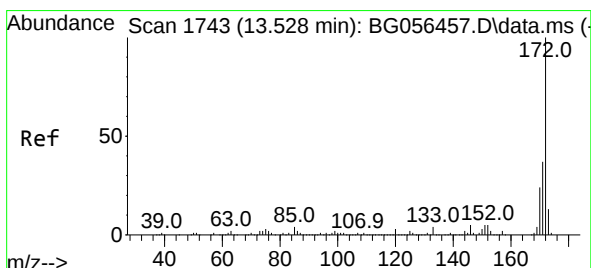
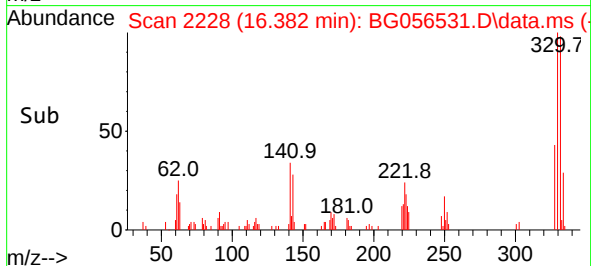
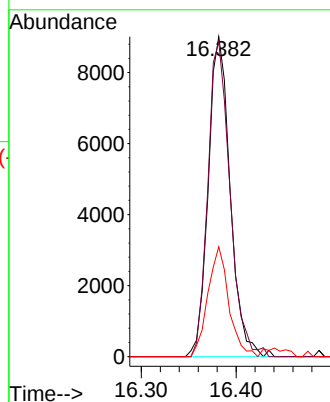
Tgt Ion:330 Resp: 14494

Ion Ratio Lower Upper

330 100

332 99.3 79.0 118.6

141 32.8 24.2 36.4



#45

2-Fluorobiphenyl

Concen: 5.631 ng

RT: 13.520 min Scan# 1741

Delta R.T. -0.002 min

Lab File: BG056531.D

Acq: 3 Feb 2023 2:22

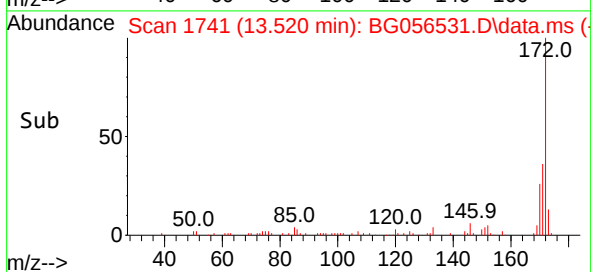
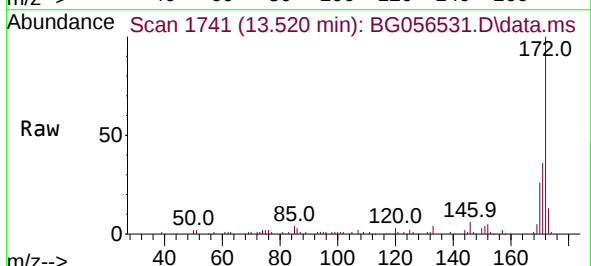
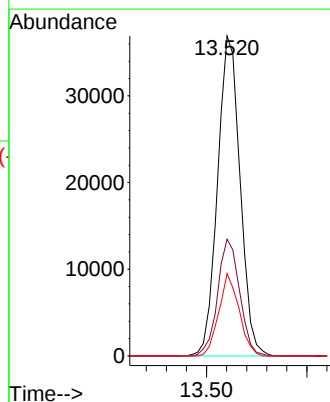
Tgt Ion:172 Resp: 57588

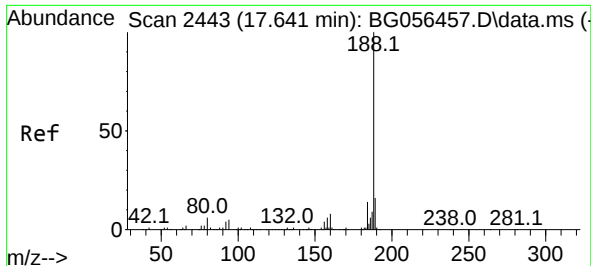
Ion Ratio Lower Upper

172 100

171 36.5 29.5 44.3

170 25.7 19.2 28.8

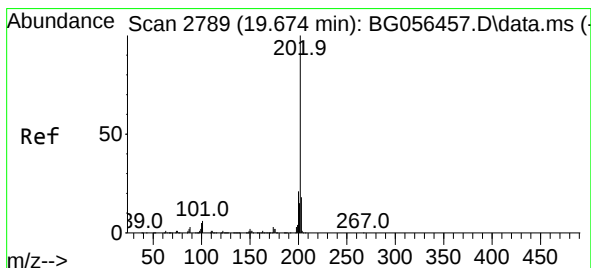
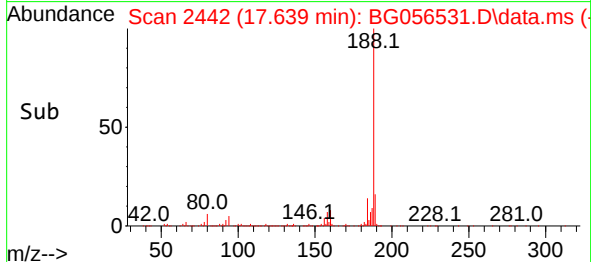
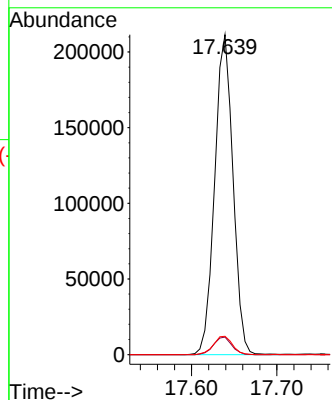
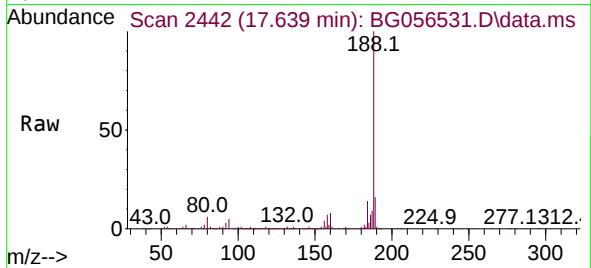




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.639 min Scan# 24
Delta R.T. 0.004 min
Lab File: BG056531.D
Acq: 3 Feb 2023 2:22

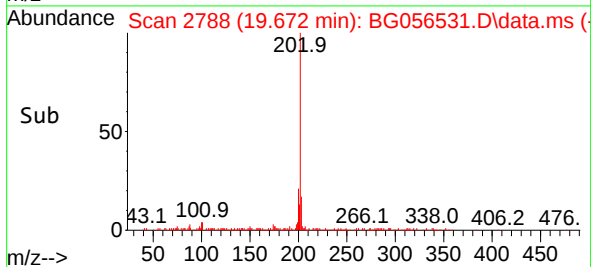
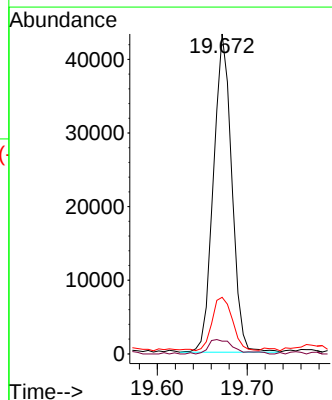
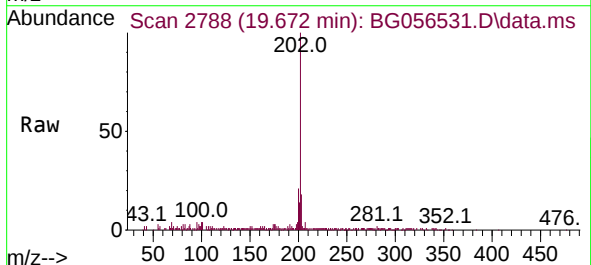
Instrument :
BNA_G
ClientSampleId :
STOCKPILE-1

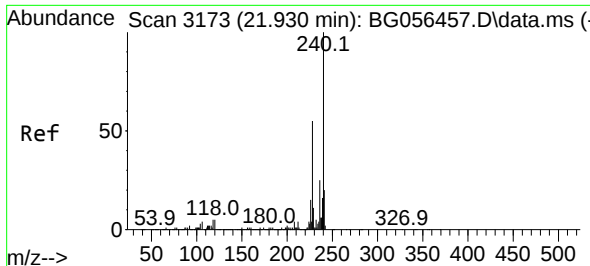
Tgt Ion:188 Resp: 314852
Ion Ratio Lower Upper
188 100
94 5.5 4.1 6.1
80 5.8 5.0 7.4



#75
Fluoranthene
Concen: 2.947 ng
RT: 19.672 min Scan# 2788
Delta R.T. 0.004 min
Lab File: BG056531.D
Acq: 3 Feb 2023 2:22

Tgt Ion:202 Resp: 61282
Ion Ratio Lower Upper
202 100
101 4.0 0.0 25.6
203 17.7 0.0 38.1

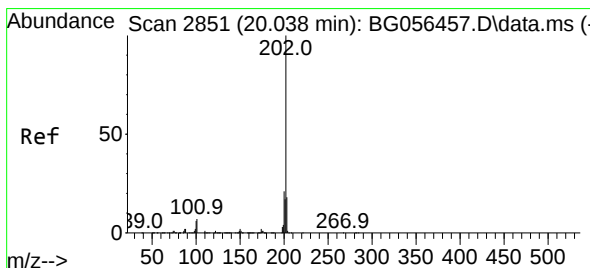
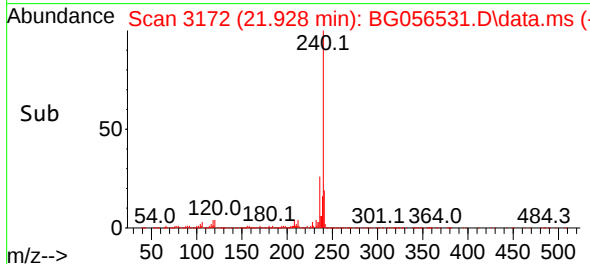
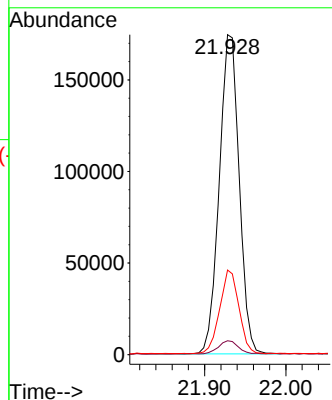
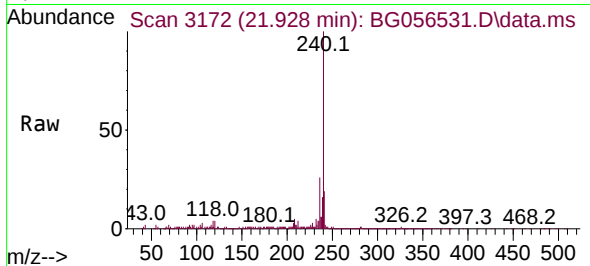




#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.928 min Scan# 3173
Delta R.T. 0.004 min
Lab File: BG056531.D
Acq: 3 Feb 2023 2:22

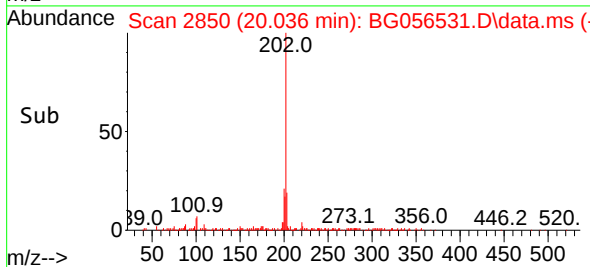
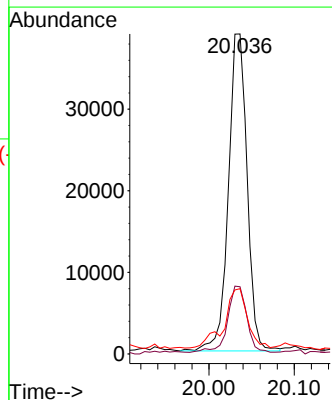
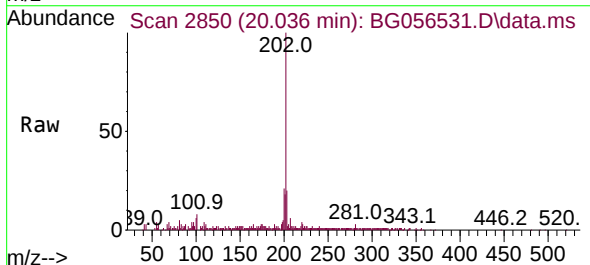
Instrument :
BNA_G
ClientSampleId :
STOCKPILE-1

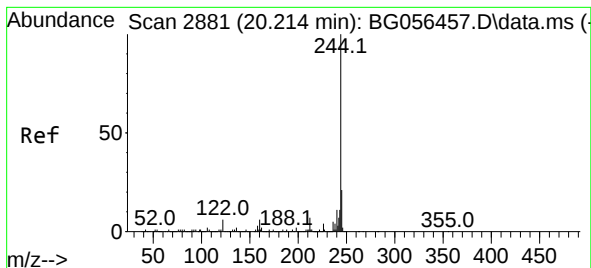
Tgt Ion:240 Resp: 296902
Ion Ratio Lower Upper
240 100
120 4.3 3.8 5.8
236 26.4 20.2 30.2



#78
Pyrene
Concen: 2.808 ng
RT: 20.036 min Scan# 2850
Delta R.T. 0.004 min
Lab File: BG056531.D
Acq: 3 Feb 2023 2:22

Tgt Ion:202 Resp: 59284
Ion Ratio Lower Upper
202 100
200 21.0 16.7 25.1
203 20.4 14.4 21.6





#79

Terphenyl-d14

Concen: 5.170 ng

RT: 20.213 min Scan# 2881

Delta R.T. 0.004 min

Lab File: BG056531.D

Acq: 3 Feb 2023 2:22

Instrument :

BNA_G

ClientSampleId :

STOCKPILE-1

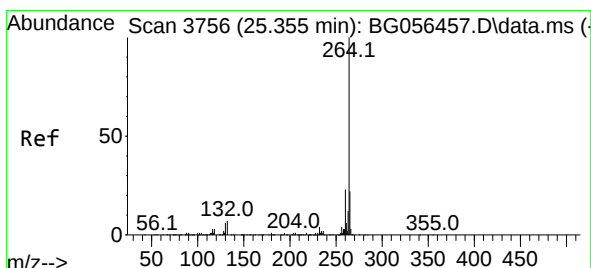
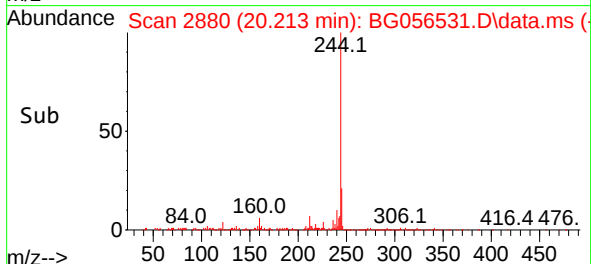
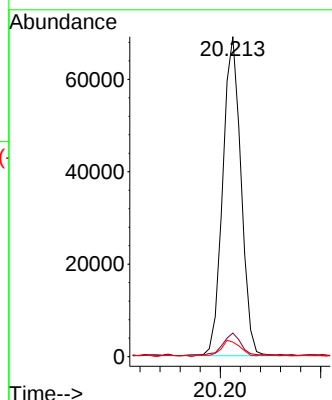
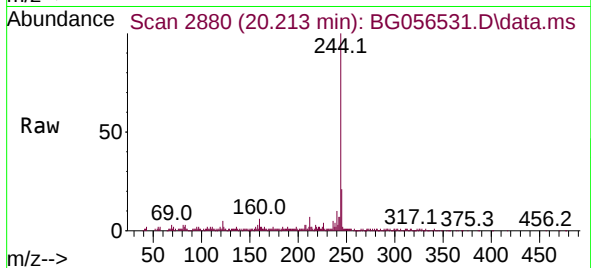
Tgt Ion:244 Resp: 87403

Ion Ratio Lower Upper

244 100

212 7.4 5.5 8.3

122 4.5 4.4 6.6



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.365 min Scan# 3757

Delta R.T. 0.022 min

Lab File: BG056531.D

Acq: 3 Feb 2023 2:22

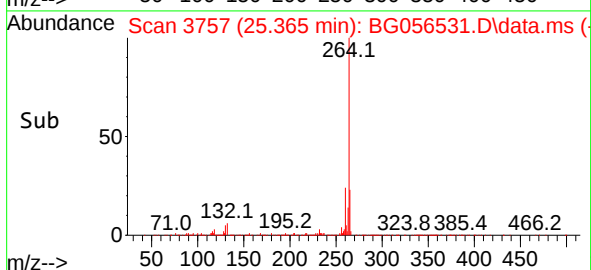
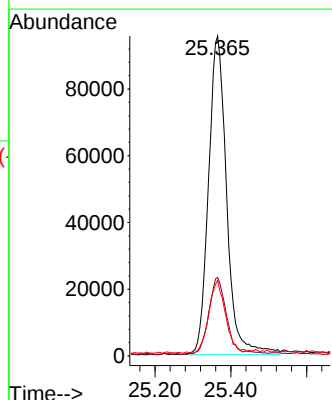
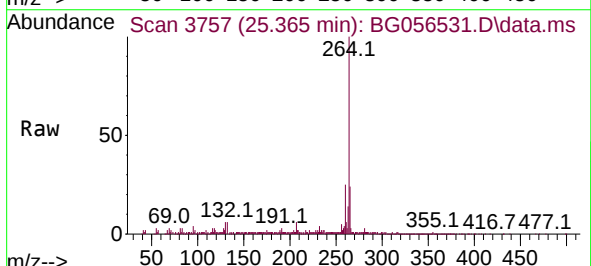
Tgt Ion:264 Resp: 318342

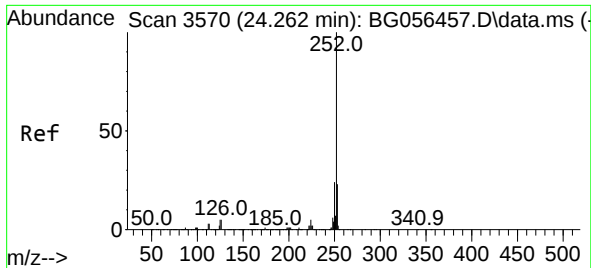
Ion Ratio Lower Upper

264 100

260 24.5 18.2 27.4

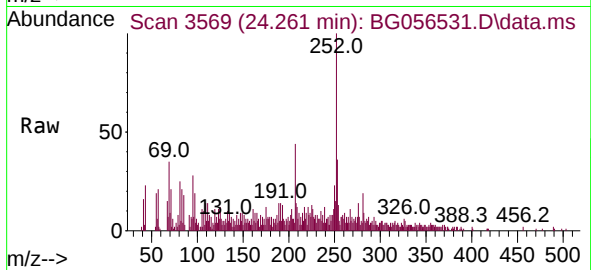
265 23.6 18.1 27.1





#88
 Benzo(b)fluoranthene
 Concen: 2.087 ng
 RT: 24.261 min Scan# 3569
 Delta R.T. 0.010 min
 Lab File: BG056531.D
 Acq: 3 Feb 2023 2:22

Instrument :
 BNA_G
 ClientSampleId :
 STOCKPILE-1



Tgt Ion:252 Resp: 41239
 Ion Ratio Lower Upper
 252 100
 253 35.6 18.1 27.1#
 125 12.0 3.9 5.9#

