

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG120822\
 Data File : BG055934.D
 Acq On : 8 Dec 2022 19:27
 Operator : CG/JU
 Sample : N5938-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 PIER-STOCK-PILE

Quant Time: Dec 09 08:11:59 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG111622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Dec 09 07:57:14 2022
 Response via : Initial Calibration

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

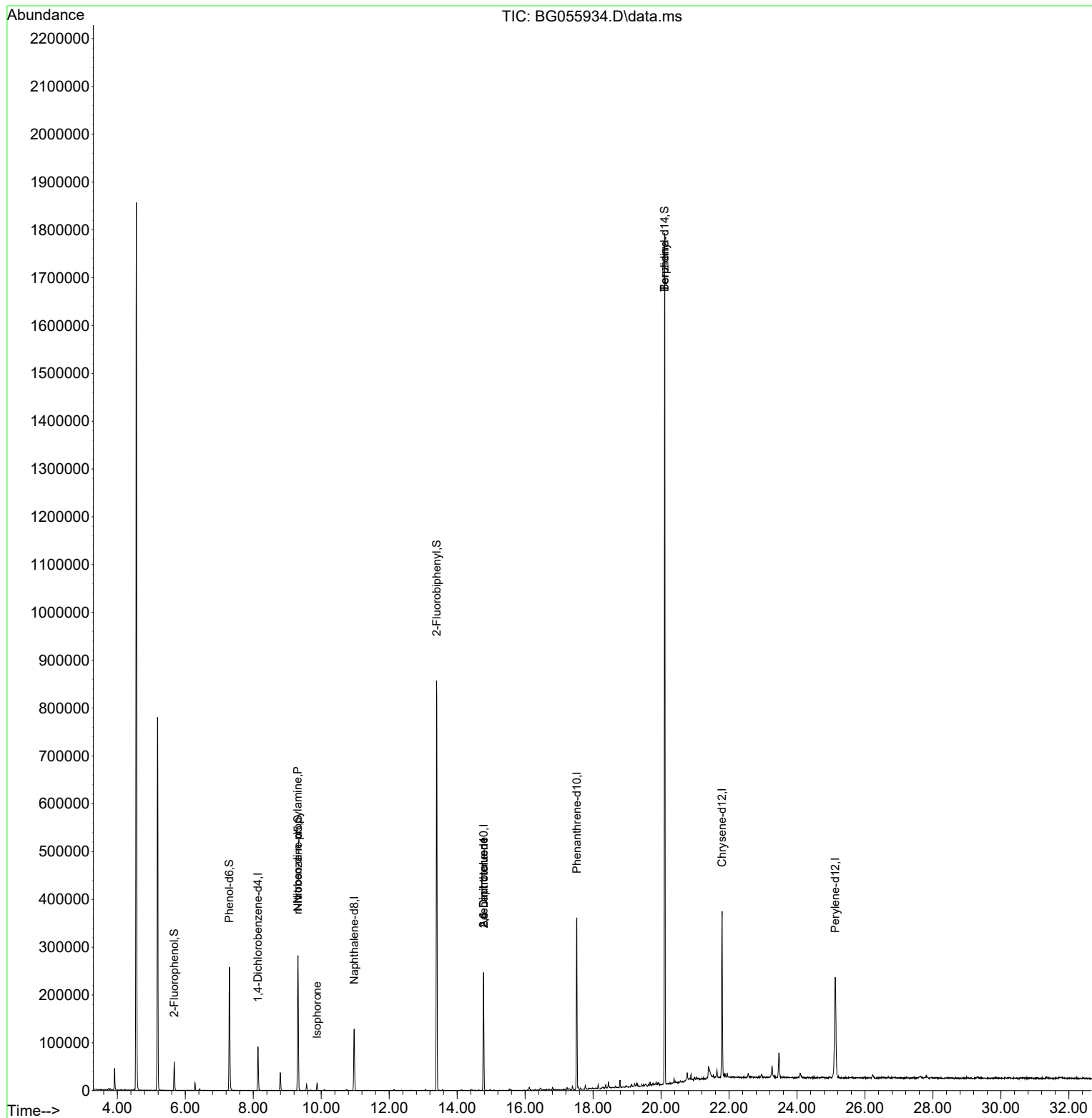
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.137	152	26030	20.000	ng	0.00
21) Naphthalene-d8	10.969	136	110984	20.000	ng	0.00
39) Acenaphthene-d10	14.776	164	85043	20.000	ng	0.00
64) Phenanthrene-d10	17.520	188	232238	20.000	ng	0.00
76) Chrysene-d12	21.797	240	210370	20.000	ng	0.00
86) Perylene-d12	25.123	264	236989	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.675	112	25944	18.015	ng	0.00
7) Phenol-d6	7.297	99	146340	76.338	ng	0.00
23) Nitrobenzene-d5	9.318	82	165130	78.641	ng	0.00
42) 2,4,6-Tribromophenol	16.292	330	501	0.418	ng	0.03
45) 2-Fluorobiphenyl	13.395	172	449085	79.111	ng	0.00
79) Terphenyl-d14	20.105	244	894291	85.026	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.312	70	22378	15.193	ng	# 76
25) Isophorone	9.876	82	11071	2.783	ng	# 97
51) 2,6-Dinitrotoluene	14.776	165	11166	8.055	ng	# 24
57) 2,4-Dinitrotoluene	14.776	165	11166	5.713	ng	# 22
77) Benzidine	20.105	184	14447	2.968	ng	# 89

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

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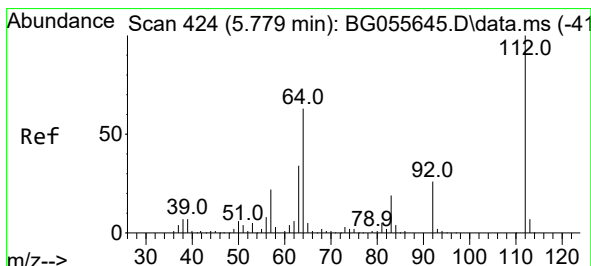
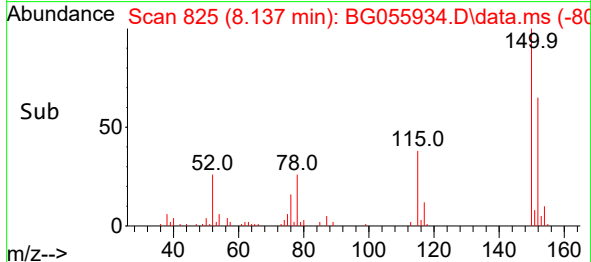
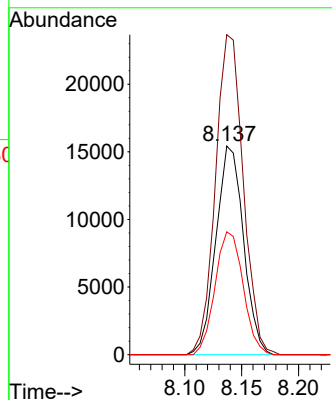
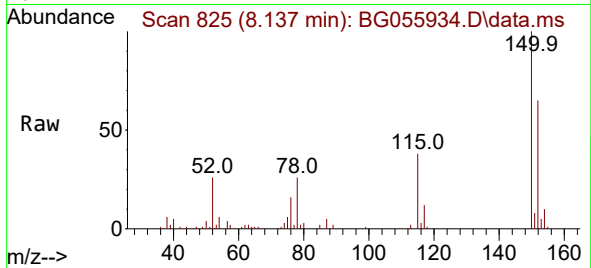




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.137 min Scan# 81
Delta R.T. -0.003 min
Lab File: BG055934.D
Acq: 8 Dec 2022 19:27

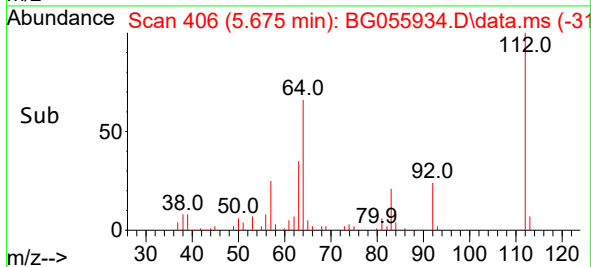
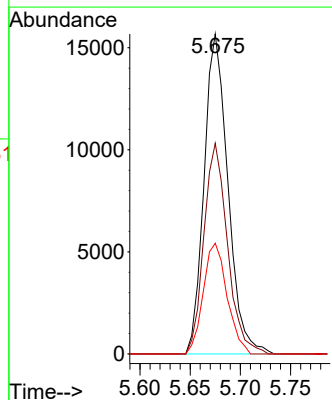
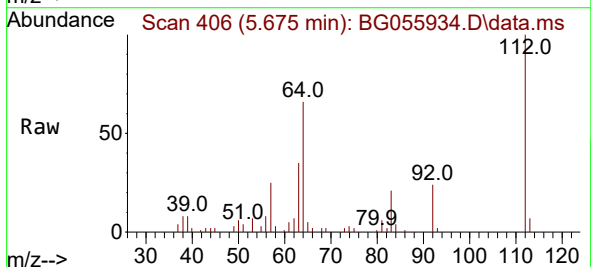
Instrument :
BNA_G
ClientSampleId :
PIER-STOCK-PILE

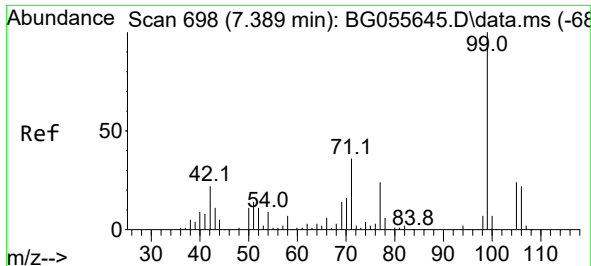
Tgt Ion:152 Resp: 26030
Ion Ratio Lower Upper
152 100
150 153.4 123.0 184.6
115 58.9 47.0 70.4



#5
2-Fluorophenol
Concen: 18.015 ng
RT: 5.675 min Scan# 406
Delta R.T. 0.002 min
Lab File: BG055934.D
Acq: 8 Dec 2022 19:27

Tgt Ion:112 Resp: 25944
Ion Ratio Lower Upper
112 100
64 65.8 50.6 76.0
63 34.6 27.5 41.3

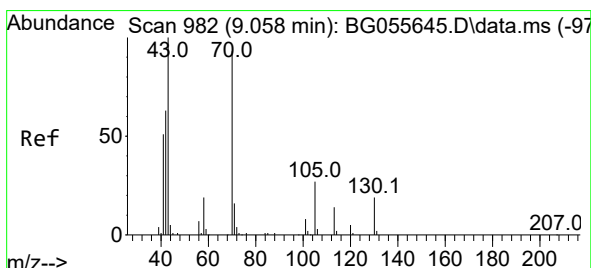
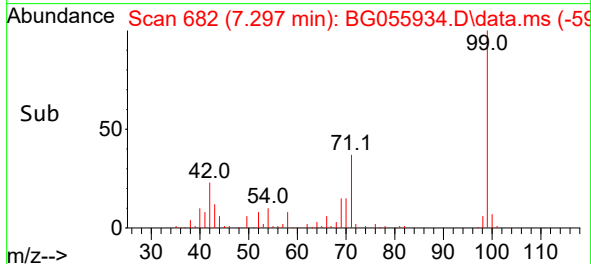
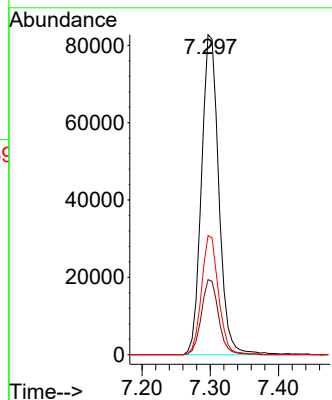
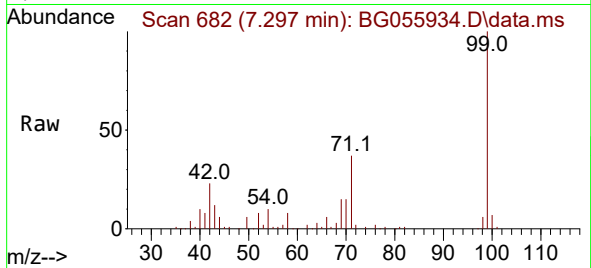




#7
Phenol-d6
Concen: 76.338 ng
RT: 7.297 min Scan# 61
Delta R.T. -0.004 min
Lab File: BG055934.D
Acq: 8 Dec 2022 19:27

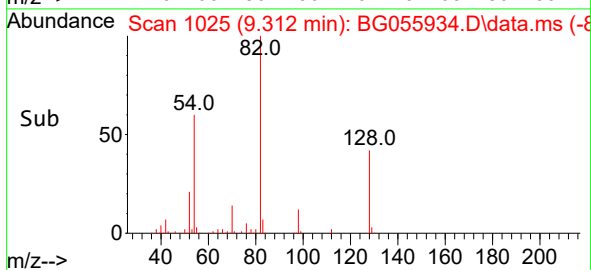
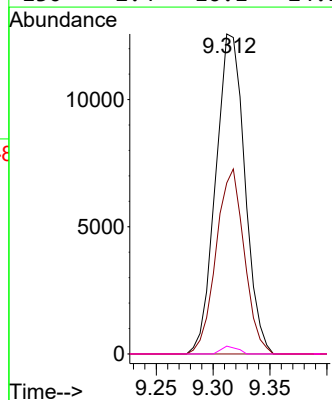
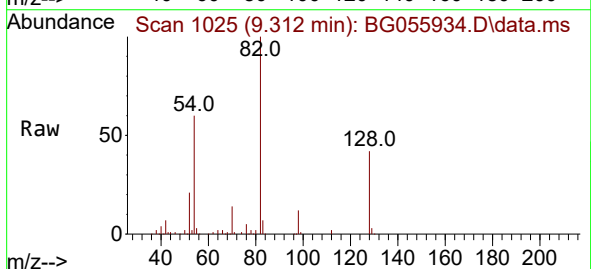
Instrument :
BNA_G
ClientSampleId :
PIER-STOCK-PILE

Tgt Ion: 99 Resp: 146340
Ion Ratio Lower Upper
99 100
42 23.5 18.0 27.0
71 37.2 29.0 43.6



#19
n-Nitroso-di-n-propylamine
Concen: 15.193 ng
RT: 9.312 min Scan# 1025
Delta R.T. 0.361 min
Lab File: BG055934.D
Acq: 8 Dec 2022 19:27

Tgt Ion: 70 Resp: 22378
Ion Ratio Lower Upper
70 100
42 53.5 55.2 82.8#
101 0.0 7.1 10.7#
130 2.4 16.1 24.1#

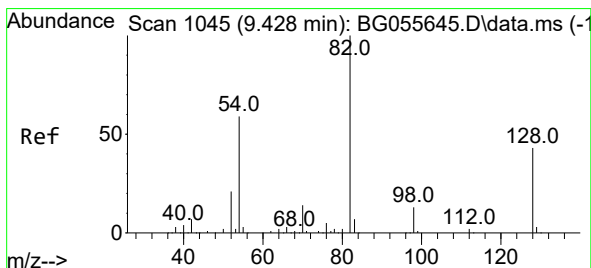
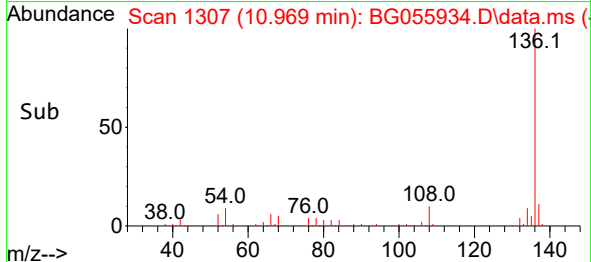
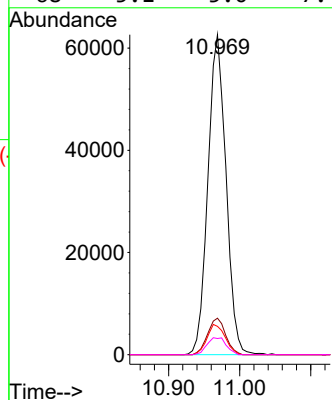
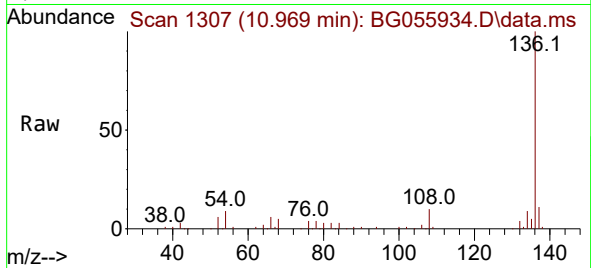




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.969 min Scan# 110984
Delta R.T. -0.004 min
Lab File: BG055934.D
Acq: 8 Dec 2022 19:27

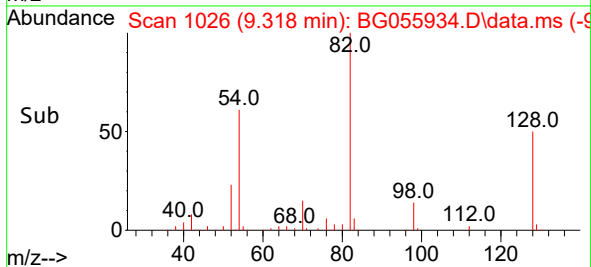
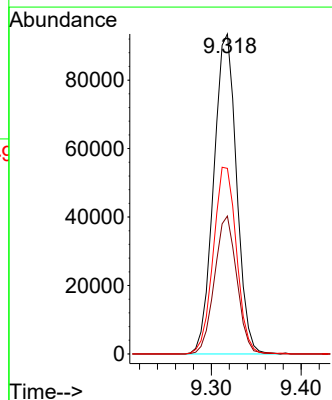
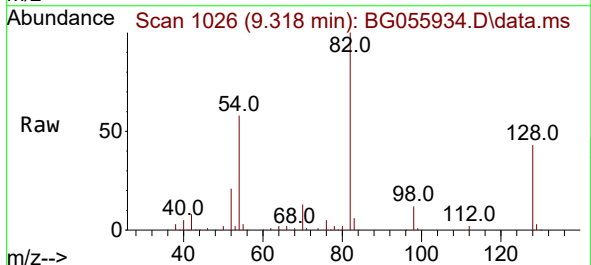
Instrument :
BNA_G
ClientSampleId :
PIER-STOCK-PILE

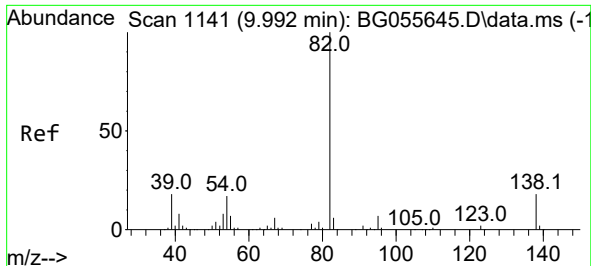
Tgt Ion:	136	Resp:	110984
Ion	Ratio	Lower	Upper
136	100		
137	11.4	9.0	13.6
54	8.9	7.8	11.6
68	5.1	5.0	7.4



#23
Nitrobenzene-d5
Concen: 78.641 ng
RT: 9.318 min Scan# 1026
Delta R.T. -0.004 min
Lab File: BG055934.D
Acq: 8 Dec 2022 19:27

Tgt Ion:	82	Resp:	165130
Ion	Ratio	Lower	Upper
82	100		
128	43.1	34.1	51.1
54	58.0	47.3	70.9

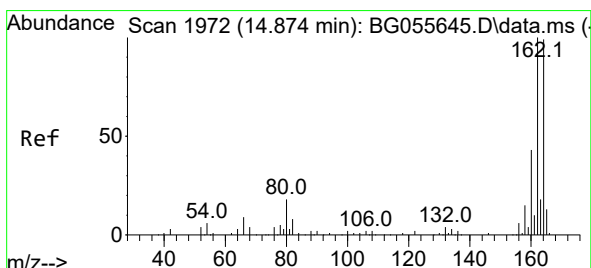
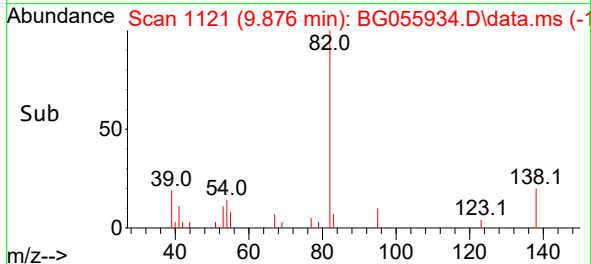
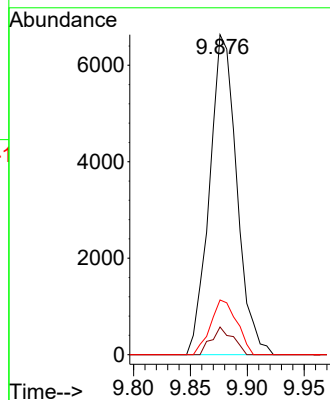
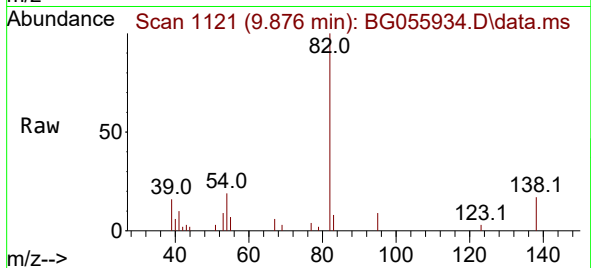




#25
Isophorone
Concen: 2.783 ng
RT: 9.876 min Scan# 1141
Delta R.T. -0.010 min
Lab File: BG055934.D
Acq: 8 Dec 2022 19:27

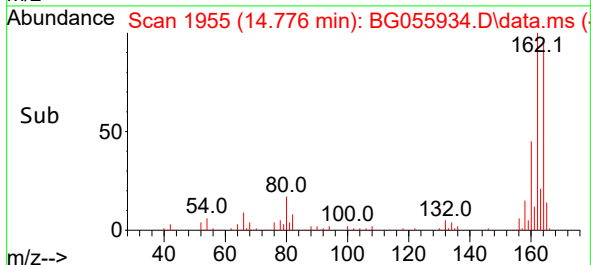
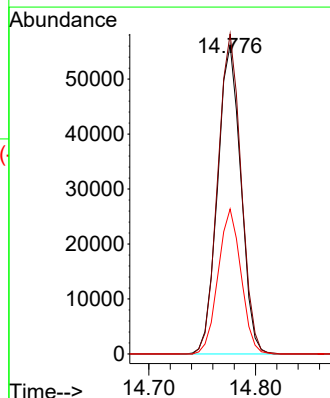
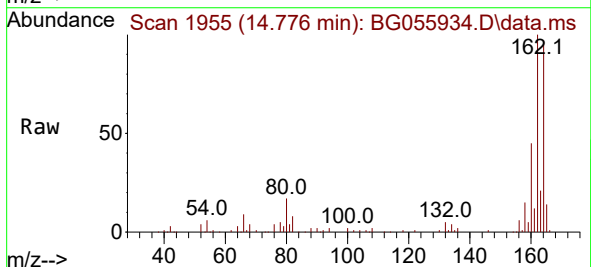
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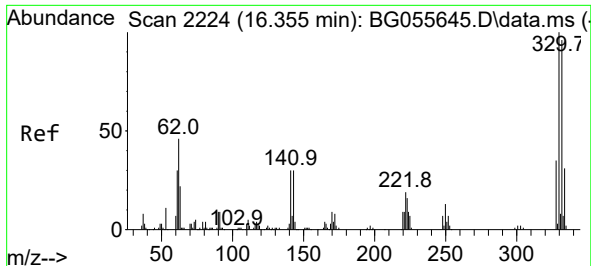
Tgt Ion: 82 Resp: 11071
Ion Ratio Lower Upper
82 100
95 8.7 5.5 8.3#
138 17.1 14.2 21.4



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.776 min Scan# 1955
Delta R.T. -0.004 min
Lab File: BG055934.D
Acq: 8 Dec 2022 19:27

Tgt Ion:164 Resp: 85043
Ion Ratio Lower Upper
164 100
162 103.5 81.1 121.7
160 46.9 34.8 52.2





#42

2,4,6-Tribromophenol

Concen: 0.418 ng

RT: 16.292 min Scan# 21

Delta R.T. 0.026 min

Lab File: BG055934.D

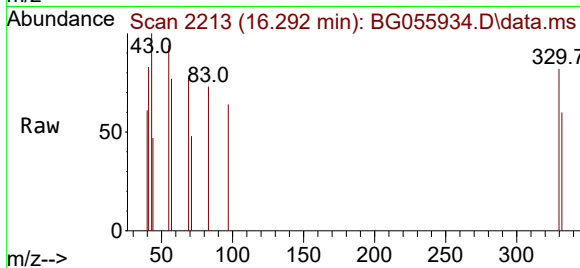
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Instrument :

BNA_G

ClientSampleId :

PIER-STOCK-PILE



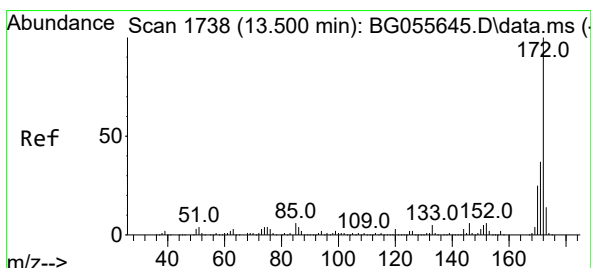
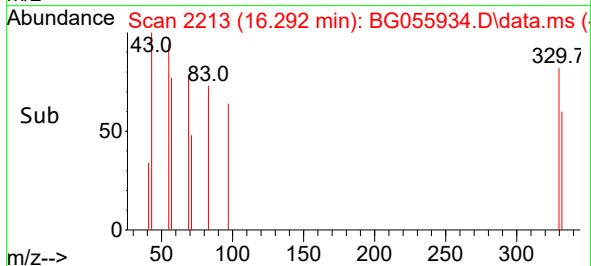
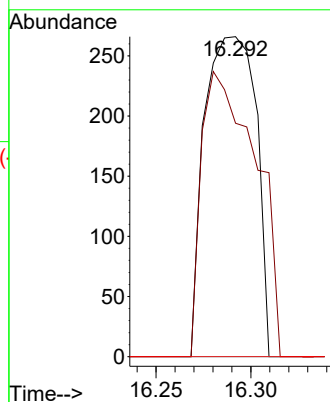
Tgt Ion:330 Resp: 501

Ion Ratio Lower Upper

330 100

332 94.2 77.8 116.8

141 0.0 23.9 35.9#



#45

2-Fluorobiphenyl

Concen: 79.111 ng

RT: 13.395 min Scan# 1720

Delta R.T. -0.010 min

Lab File: BG055934.D

Acq: 8 Dec 2022 19:27

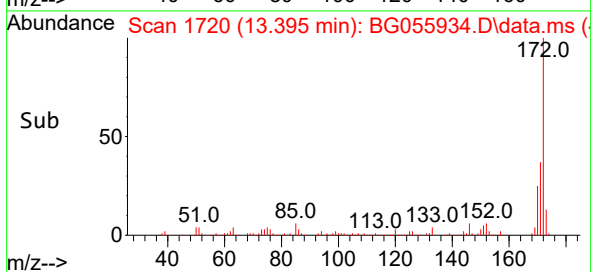
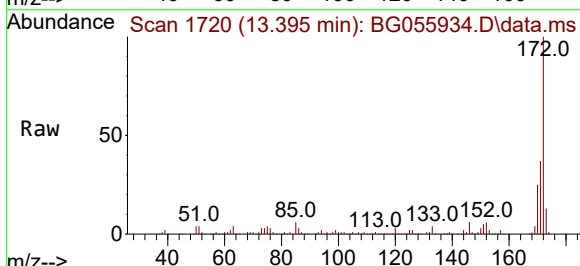
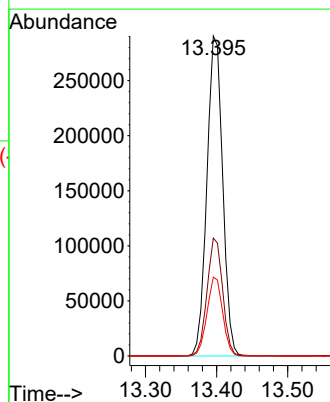
Tgt Ion:172 Resp: 449085

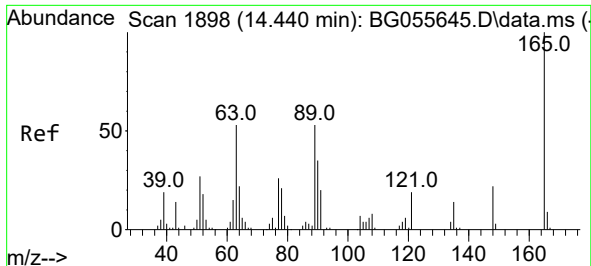
Ion Ratio Lower Upper

172 100

171 36.8 29.8 44.6

170 24.6 20.2 30.4

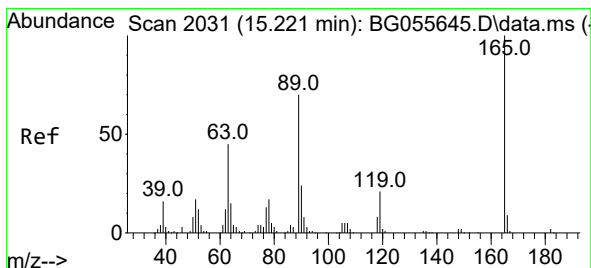
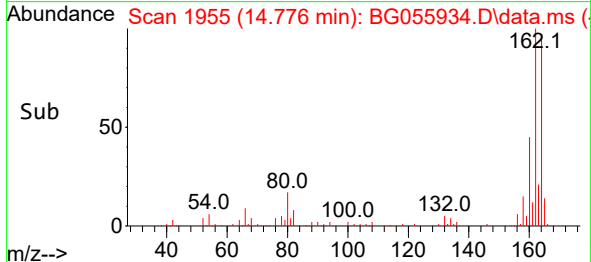
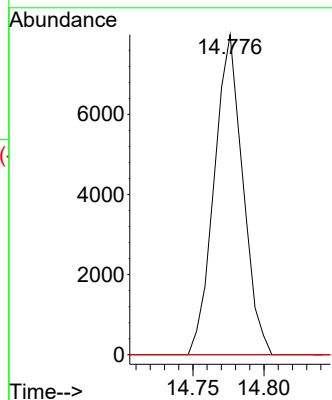
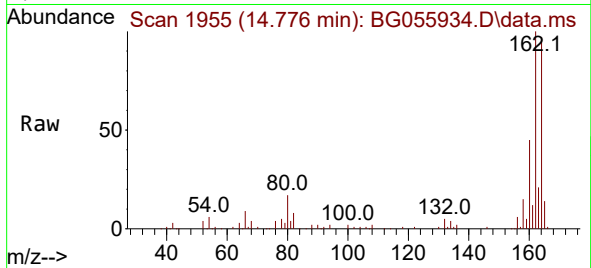




#51
2,6-Dinitrotoluene
Concen: 8.055 ng
RT: 14.776 min Scan# 1955
Delta R.T. 0.419 min
Lab File: BG055934.D
Acq: 8 Dec 2022 19:27

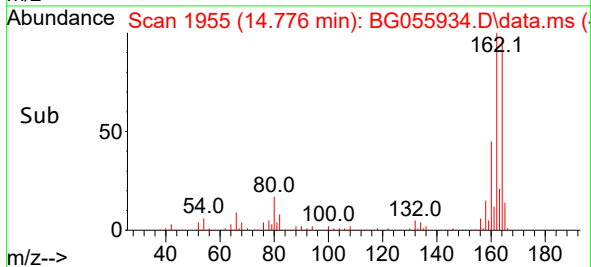
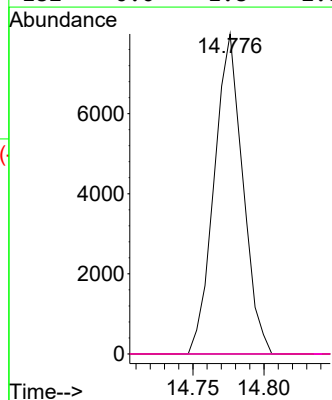
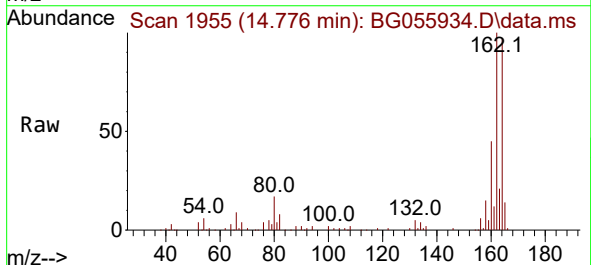
Instrument :
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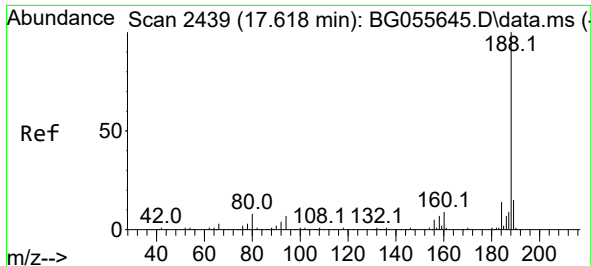
Tgt Ion:165 Resp: 11166
Ion Ratio Lower Upper
165 100
63 0.0 44.6 66.8#
89 0.0 42.2 63.4#



#57
2,4-Dinitrotoluene
Concen: 5.713 ng
RT: 14.776 min Scan# 1955
Delta R.T. -0.368 min
Lab File: BG055934.D
Acq: 8 Dec 2022 19:27

Tgt Ion:165 Resp: 11166
Ion Ratio Lower Upper
165 100
63 0.0 35.8 53.8#
89 0.0 56.2 84.4#
182 0.0 1.8 2.8#

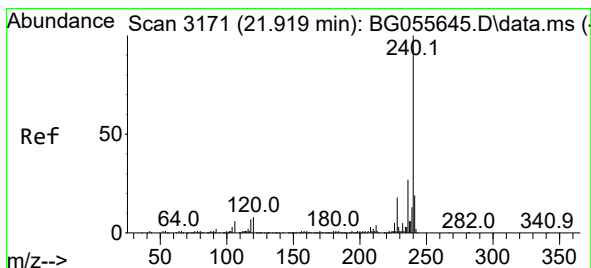
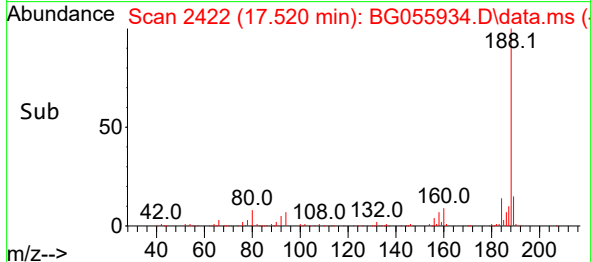
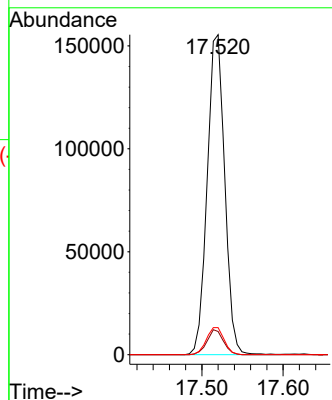
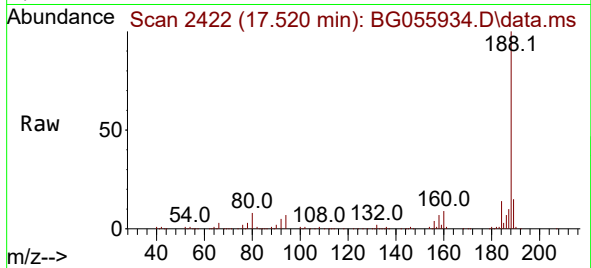




#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.520 min Scan# 24
Delta R.T. -0.004 min
Lab File: BG055934.D
Acq: 8 Dec 2022 19:27

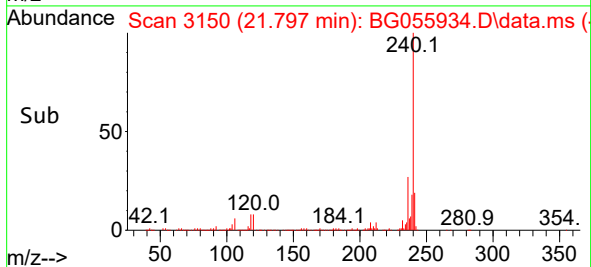
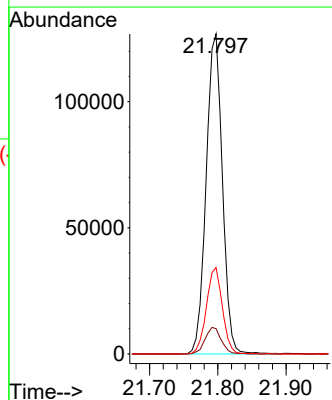
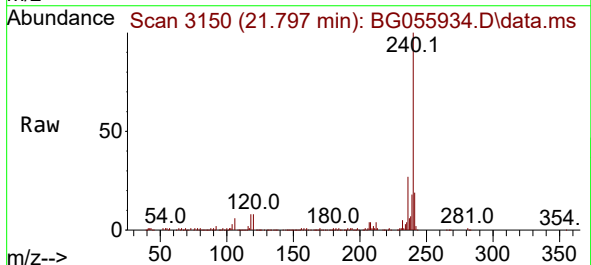
Instrument :
BNA_G
ClientSampleId :
PIER-STOCK-PILE

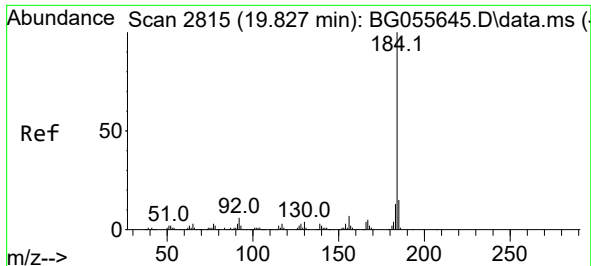
Tgt Ion:188 Resp: 232238
Ion Ratio Lower Upper
188 100
94 7.3 5.4 8.2
80 8.4 6.6 10.0



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.797 min Scan# 3150
Delta R.T. -0.004 min
Lab File: BG055934.D
Acq: 8 Dec 2022 19:27

Tgt Ion:240 Resp: 210370
Ion Ratio Lower Upper
240 100
120 7.9 6.3 9.5
236 27.0 21.9 32.9

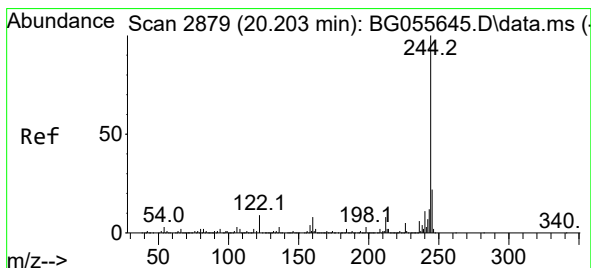
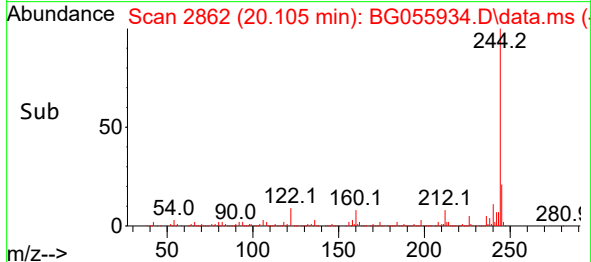
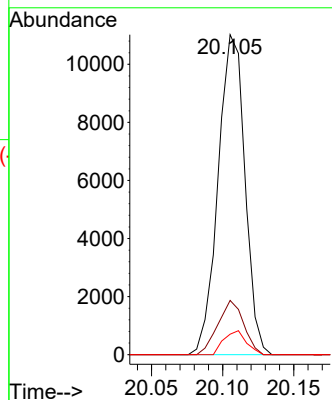
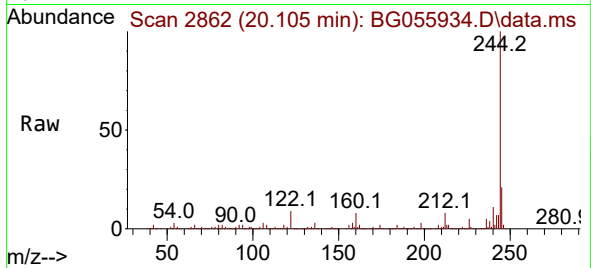




#77
Benzidine
Concen: 2.968 ng
RT: 20.105 min Scan# 2862
Delta R.T. 0.366 min
Lab File: BG055934.D
Acq: 8 Dec 2022 19:27

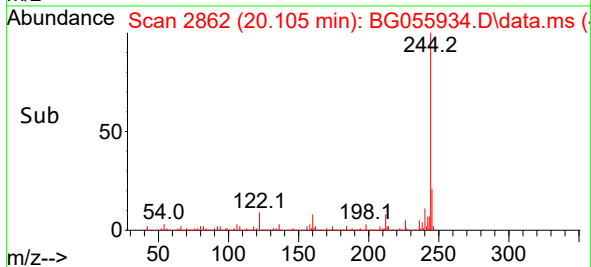
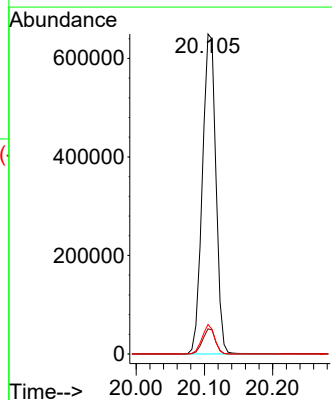
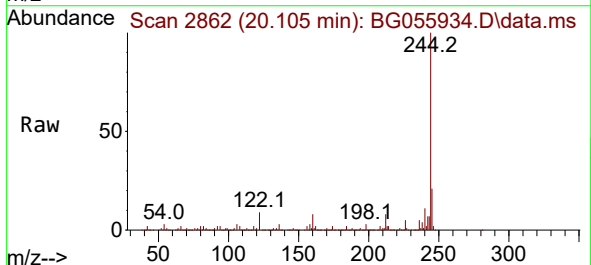
Instrument :
BNA_G
ClientSampleId :
PIER-STOCK-PILE

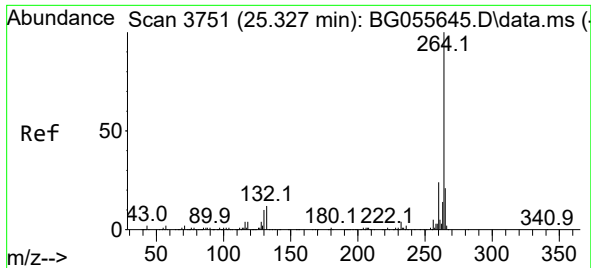
Tgt Ion:184 Resp: 14447
Ion Ratio Lower Upper
184 100
185 17.0 11.8 17.8
183 6.4 10.6 15.8#



#79
Terphenyl-d14
Concen: 85.026 ng
RT: 20.105 min Scan# 2862
Delta R.T. -0.004 min
Lab File: BG055934.D
Acq: 8 Dec 2022 19:27

Tgt Ion:244 Resp: 894291
Ion Ratio Lower Upper
244 100
212 7.8 6.3 9.5
122 9.2 6.9 10.3





#86

Perylene-d12

Concen: 20.000 ng

RT: 25.123 min Scan# 31

Delta R.T. -0.010 min

Lab File: BG055934.D

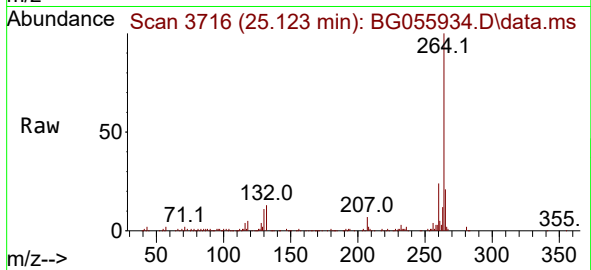
Acq: 8 Dec 2022 19:27

Instrument :

BNA_G

ClientSampleId :

PIER-STOCK-PILE



Tgt Ion:264 Resp: 236989

Ion Ratio Lower Upper

264 100

260 23.6 19.5 29.3

265 21.0 17.1 25.7

