

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG102922\
 Data File : BG055362.D
 Acq On : 29 Oct 2022 12:39
 Operator : CG/JU
 Sample : N5273-02
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LIDEN-GAS-PIPELINE

Quant Time: Oct 31 02:43:03 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Oct 29 04:52:38 2022
 Response via : Initial Calibration

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

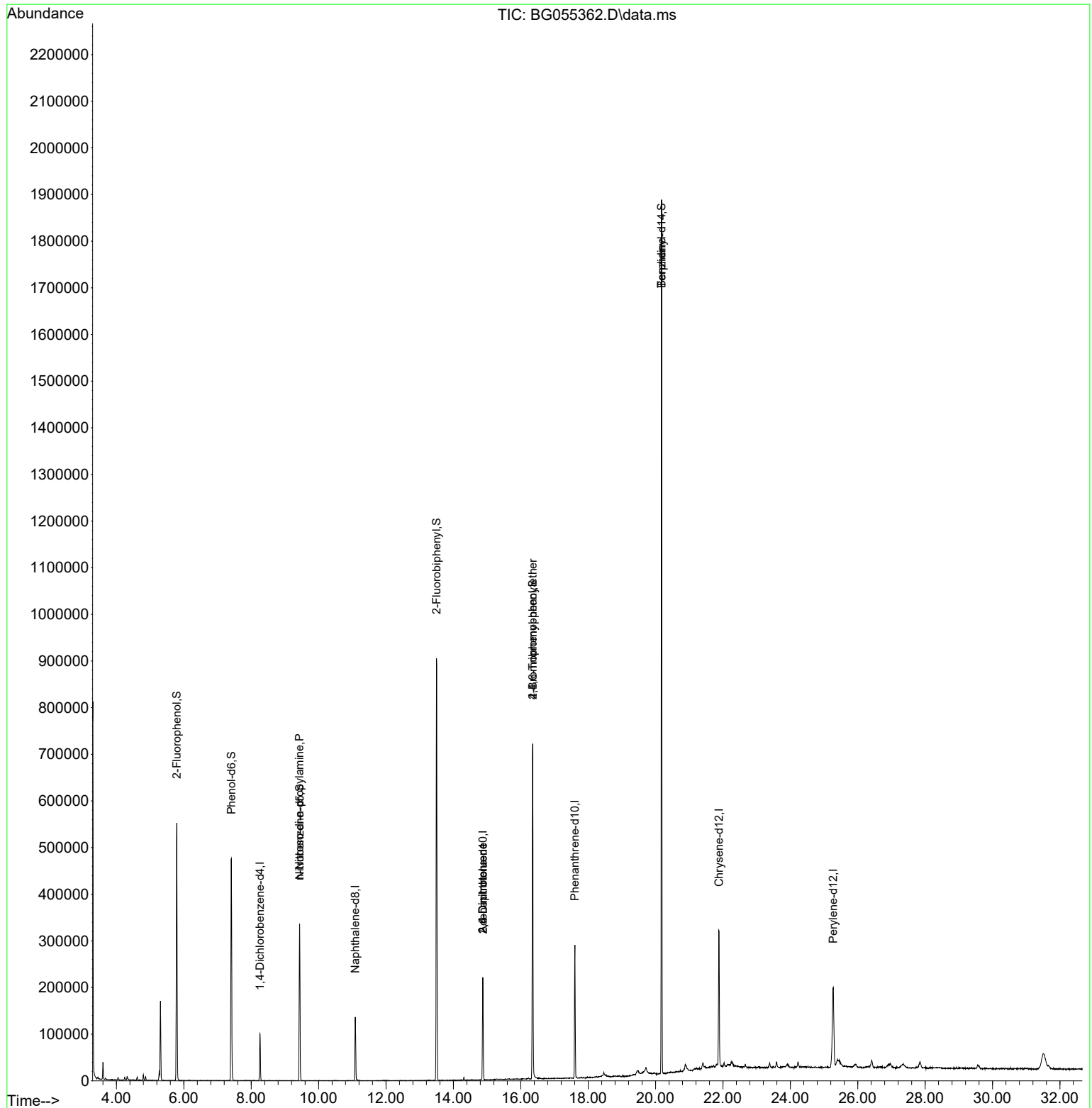
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.264	152	30888	20.000	ng	0.00
21) Naphthalene-d8	11.090	136	123824	20.000	ng	# 0.00
39) Acenaphthene-d10	14.874	164	79914	20.000	ng	0.00
64) Phenanthrene-d10	17.606	188	182780	20.000	ng	# 0.00
76) Chrysene-d12	21.883	240	189460	20.000	ng	# 0.00
86) Perylene-d12	25.274	264	201732	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.791	112	256106	145.181	ng	0.00
7) Phenol-d6	7.412	99	308479	120.702	ng	0.00
23) Nitrobenzene-d5	9.439	82	214561	88.482	ng	0.00
42) 2,4,6-Tribromophenol	16.355	330	162536	187.095	ng	0.00
45) 2-Fluorobiphenyl	13.499	172	490587	100.479	ng	-0.01
79) Terphenyl-d14	20.180	244	893485	97.983	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propyla...	9.433	70	28449	13.405	ng	# 76
51) 2,6-Dinitrotoluene	14.874	165	10731	8.405	ng	# 19
57) 2,4-Dinitrotoluene	14.874	165	10731	5.792	ng	# 18
67) 4-Bromophenyl-phenylether	16.355	248	10308	5.805	ng	# 1
77) Benzidine	20.180	184	13093	2.854	ng	# 90

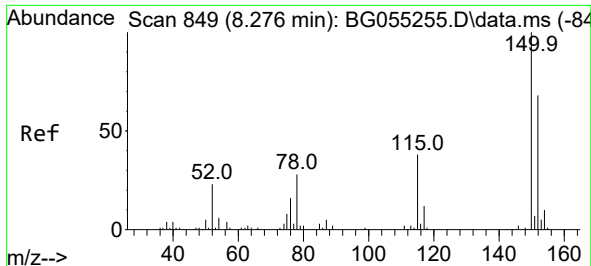
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG102422.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Sat Oct 29 04:52:38 2022
Response via : Initial Calibration

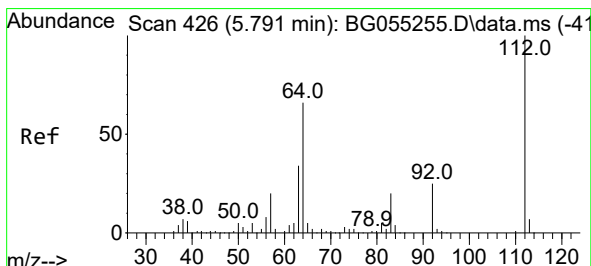
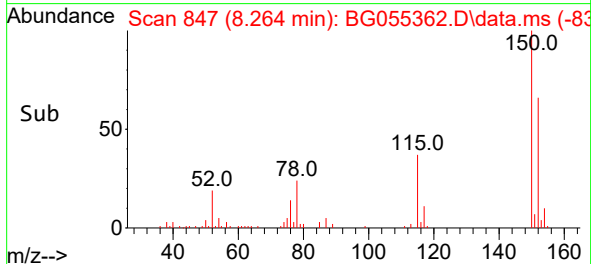
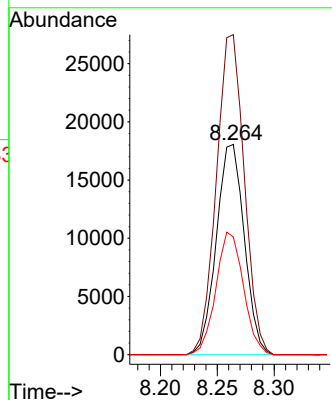
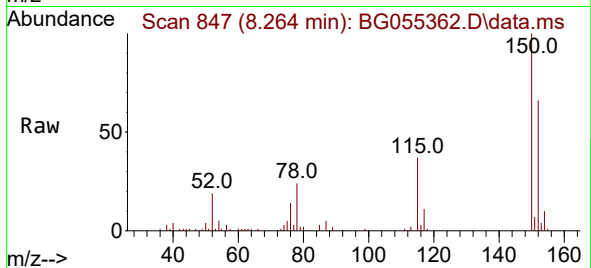




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.264 min Scan# 84
Delta R.T. -0.001 min
Lab File: BG055362.D
Acq: 29 Oct 2022 12:39

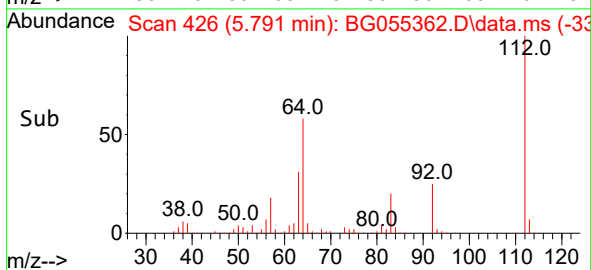
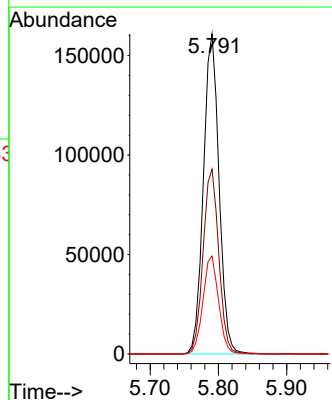
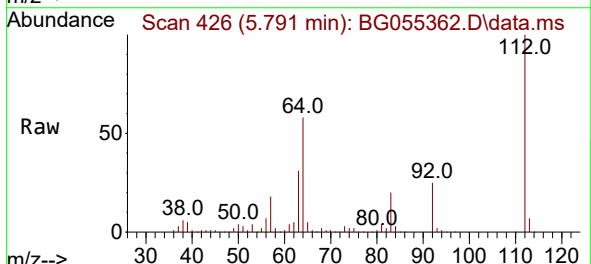
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINE

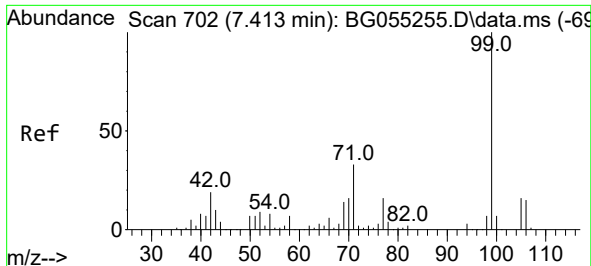
Tgt Ion:152 Resp: 30888
Ion Ratio Lower Upper
152 100
150 152.2 118.2 177.4
115 56.0 44.5 66.7



#5
2-Fluorophenol
Concen: 145.181 ng
RT: 5.791 min Scan# 426
Delta R.T. 0.005 min
Lab File: BG055362.D
Acq: 29 Oct 2022 12:39

Tgt Ion:112 Resp: 256106
Ion Ratio Lower Upper
112 100
64 57.7 52.6 78.8
63 30.6 27.1 40.7

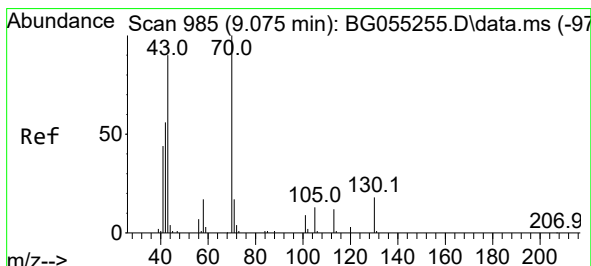
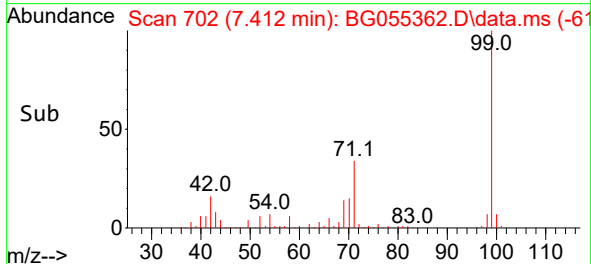
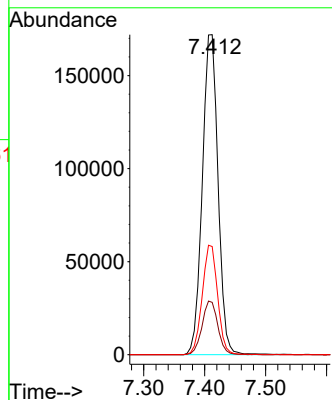
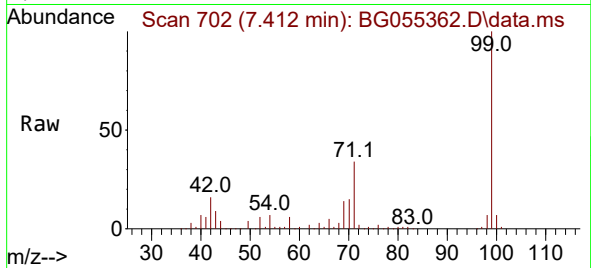




#7
Phenol-d6
Concen: 120.702 ng
RT: 7.412 min Scan# 702
Delta R.T. -0.001 min
Lab File: BG055362.D
Acq: 29 Oct 2022 12:39

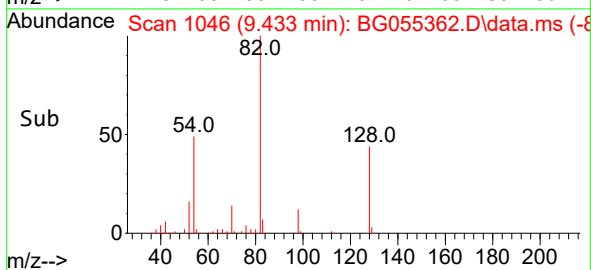
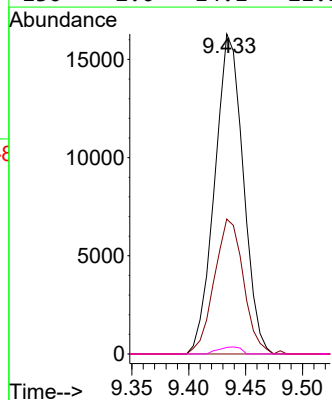
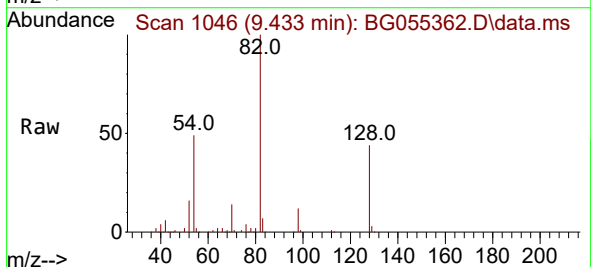
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINE

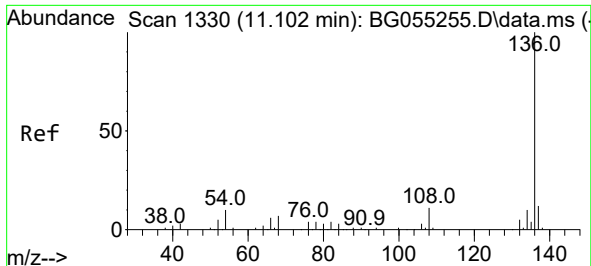
Tgt Ion: 99 Resp: 308479
Ion Ratio Lower Upper
99 100
42 16.4 15.2 22.8
71 33.8 26.2 39.4



#19
n-Nitroso-di-n-propylamine
Concen: 13.405 ng
RT: 9.433 min Scan# 1046
Delta R.T. 0.364 min
Lab File: BG055362.D
Acq: 29 Oct 2022 12:39

Tgt Ion: 70 Resp: 28449
Ion Ratio Lower Upper
70 100
42 42.1 45.8 68.6#
101 0.0 7.4 11.0#
130 2.0 14.1 21.1#

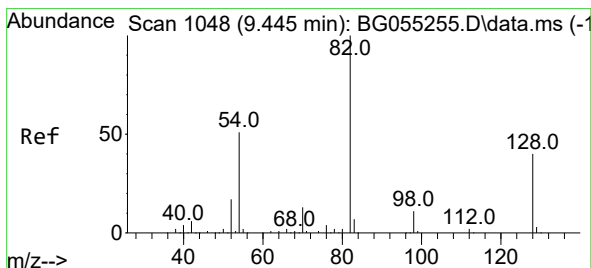
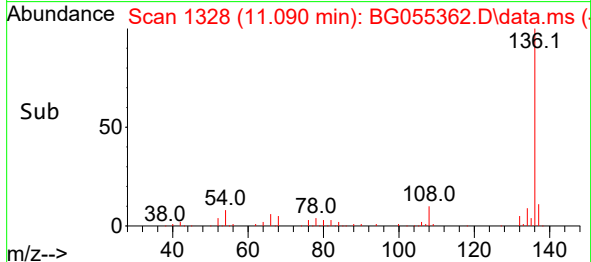
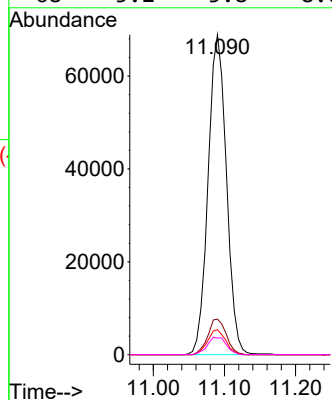
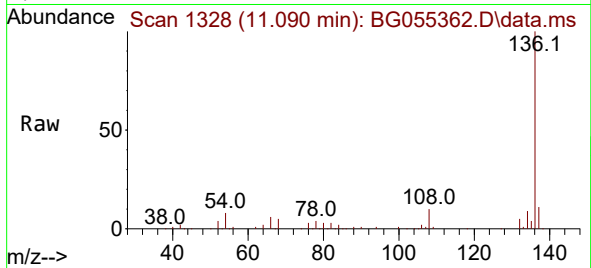




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.090 min Scan# 11
Delta R.T. -0.007 min
Lab File: BG055362.D
Acq: 29 Oct 2022 12:39

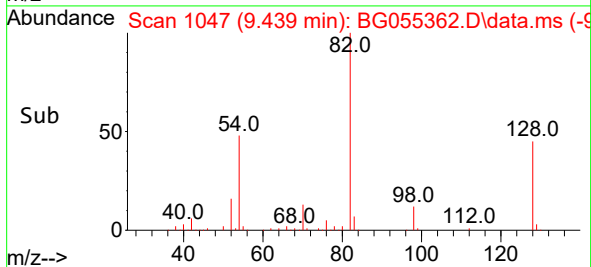
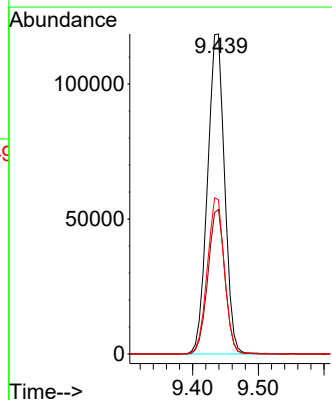
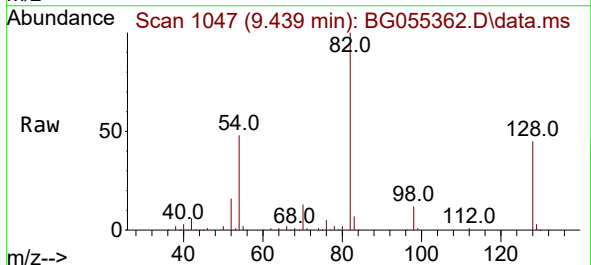
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINE

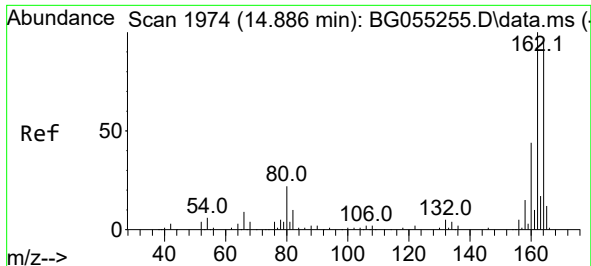
Tgt Ion:	136	Resp:	123824
Ion	Ratio	Lower	Upper
136	100		
137	11.1	9.2	13.8
54	7.8	7.8	11.8#
68	5.2	5.8	8.6#



#23
Nitrobenzene-d5
Concen: 88.482 ng
RT: 9.439 min Scan# 1047
Delta R.T. -0.001 min
Lab File: BG055362.D
Acq: 29 Oct 2022 12:39

Tgt Ion:	82	Resp:	214561
Ion	Ratio	Lower	Upper
82	100		
128	45.1	32.0	48.0
54	48.2	40.9	61.3

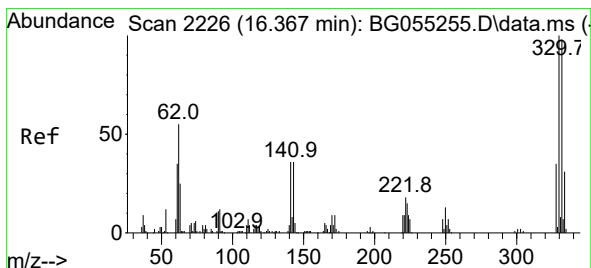
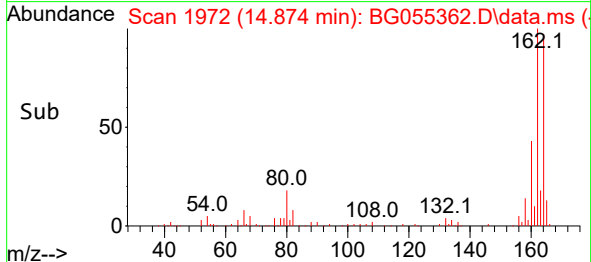
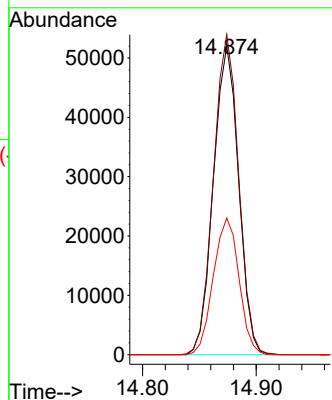
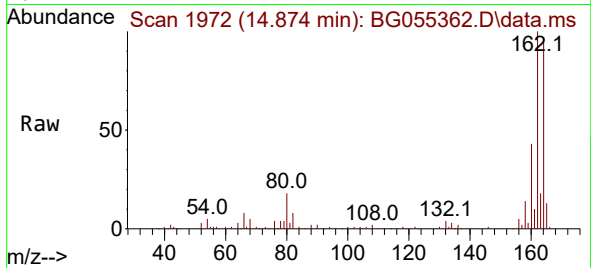




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.874 min Scan# 1974
Delta R.T. -0.007 min
Lab File: BG055362.D
Acq: 29 Oct 2022 12:39

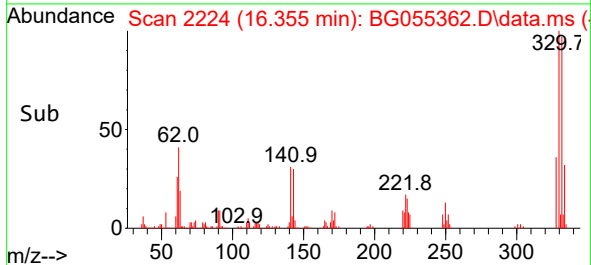
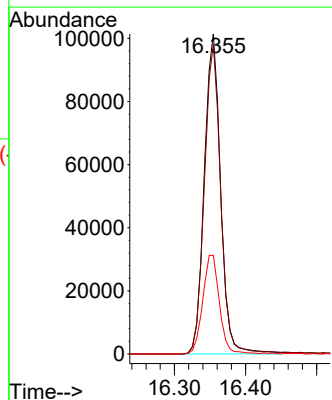
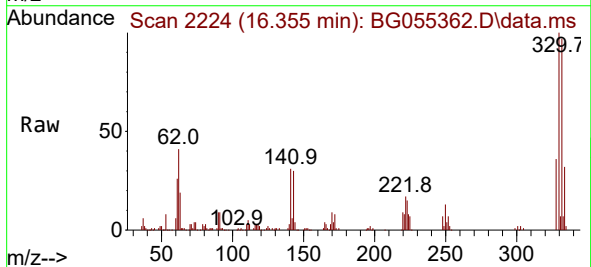
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINE

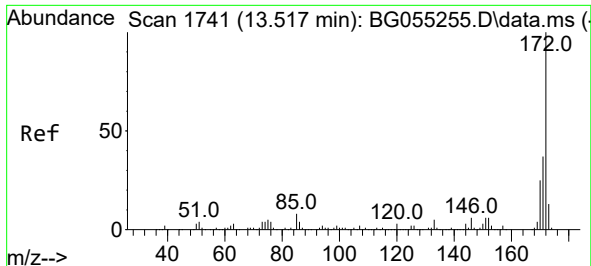
Tgt Ion:164 Resp: 79914
Ion Ratio Lower Upper
164 100
162 103.6 84.0 126.0
160 44.3 36.7 55.1



#42
2,4,6-Tribromophenol
Concen: 187.095 ng
RT: 16.355 min Scan# 2224
Delta R.T. -0.007 min
Lab File: BG055362.D
Acq: 29 Oct 2022 12:39

Tgt Ion:330 Resp: 162536
Ion Ratio Lower Upper
330 100
332 96.8 77.4 116.0
141 31.5 29.8 44.8

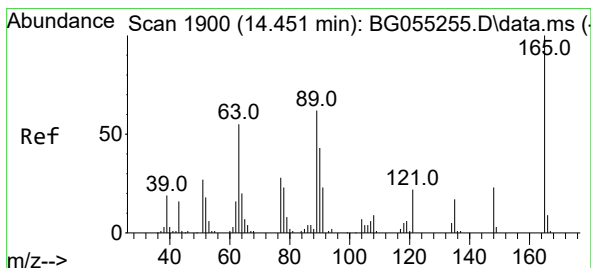
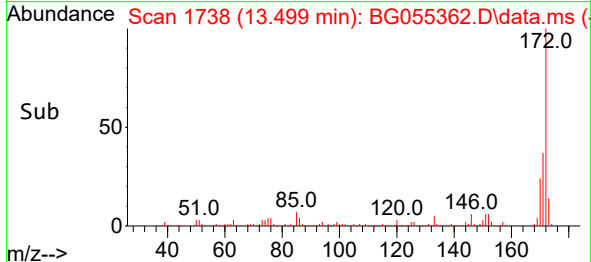
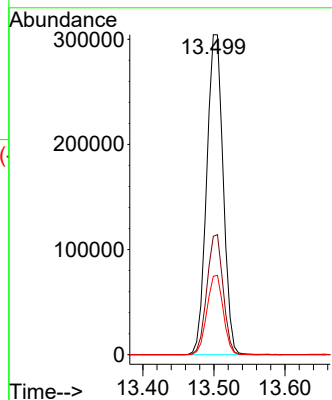
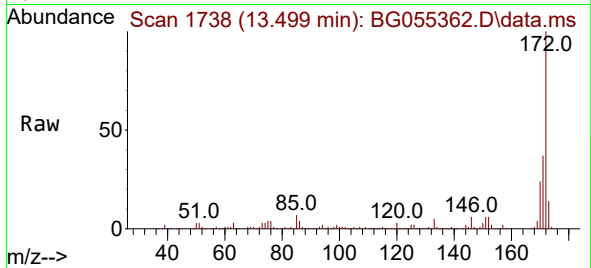




#45
2-Fluorobiphenyl
Concen: 100.479 ng
RT: 13.499 min Scan# 1
Delta R.T. -0.012 min
Lab File: BG055362.D
Acq: 29 Oct 2022 12:39

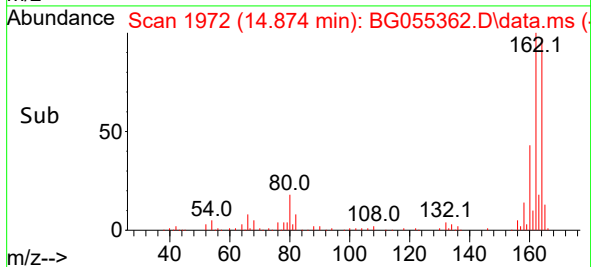
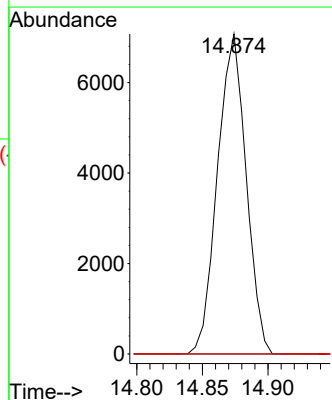
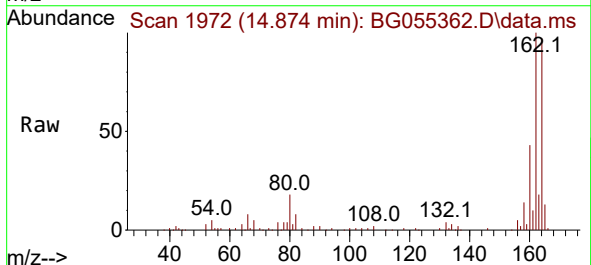
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINE

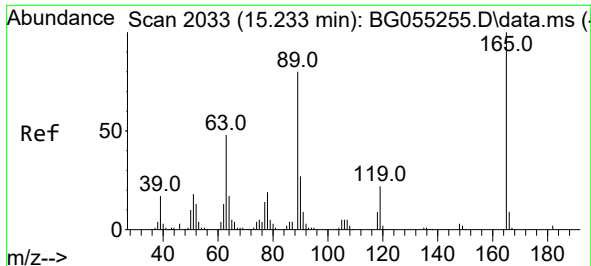
Tgt Ion:172 Resp: 490587
Ion Ratio Lower Upper
172 100
171 37.0 29.7 44.5
170 24.5 20.2 30.2



#51
2,6-Dinitrotoluene
Concen: 8.405 ng
RT: 14.874 min Scan# 1972
Delta R.T. 0.422 min
Lab File: BG055362.D
Acq: 29 Oct 2022 12:39

Tgt Ion:165 Resp: 10731
Ion Ratio Lower Upper
165 100
63 0.0 49.2 73.8#
89 0.0 49.9 74.9#





#57

2,4-Dinitrotoluene

Concen: 5.792 ng

RT: 14.874 min Scan# 1972

Delta R.T. -0.359 min

Lab File: BG055362.D

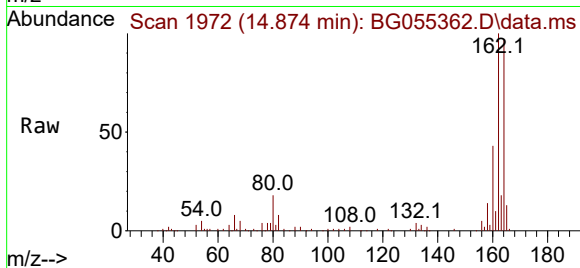
Acq: 29 Oct 2022 12:39

Instrument :

BNA_G

ClientSampleId :

LIDEN-GAS-PIPELINE



Tgt Ion:165 Resp: 10731

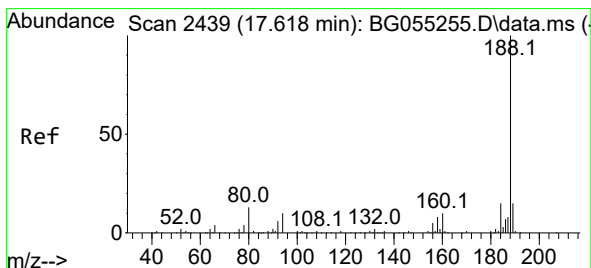
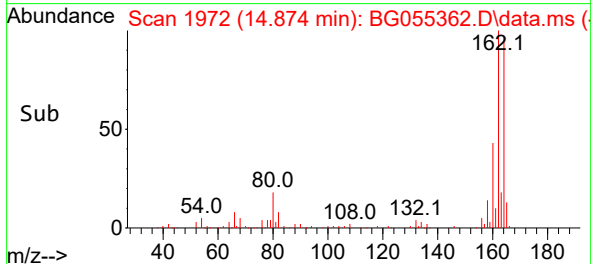
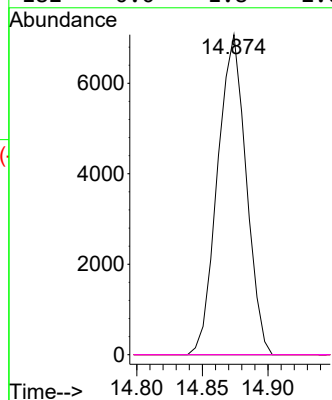
Ion Ratio Lower Upper

165 100

63 0.0 38.9 58.3#

89 0.0 64.2 96.4#

182 0.0 1.8 2.6#



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.606 min Scan# 2437

Delta R.T. -0.007 min

Lab File: BG055362.D

Acq: 29 Oct 2022 12:39

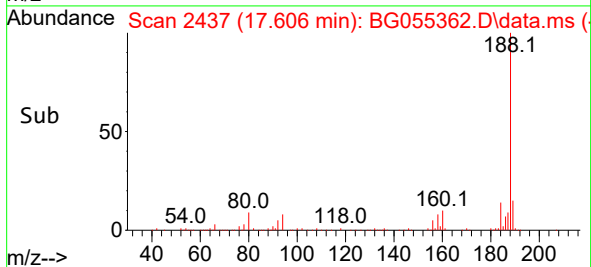
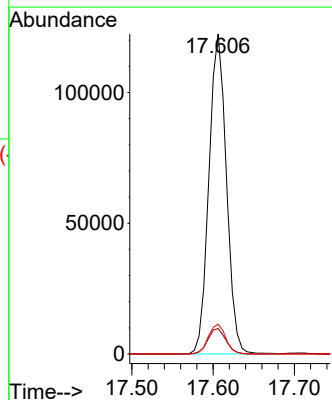
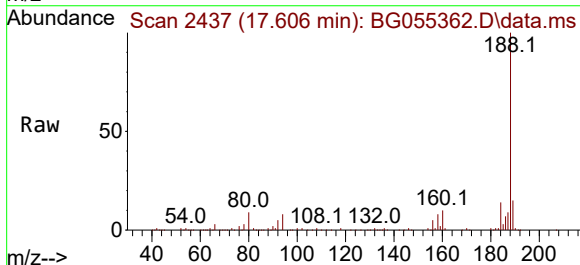
Tgt Ion:188 Resp: 182780

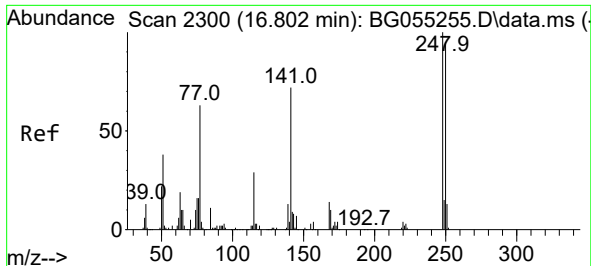
Ion Ratio Lower Upper

188 100

94 7.9 8.2 12.4#

80 9.3 10.1 15.1#

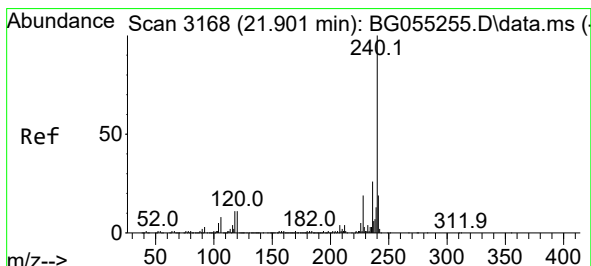
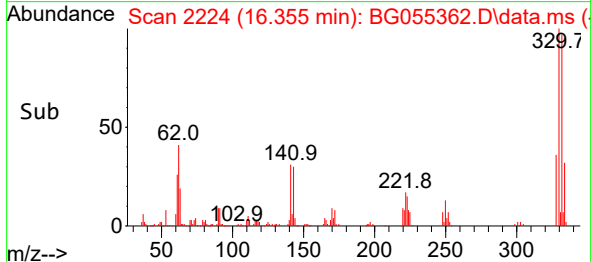
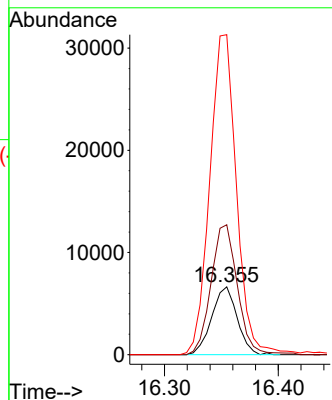
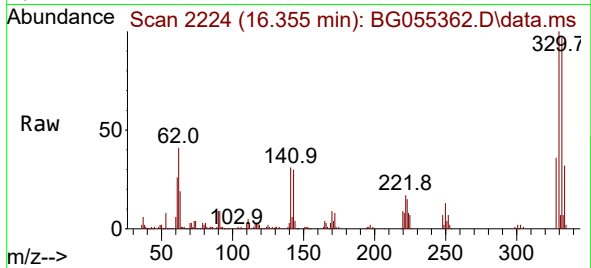




#67
4-Bromophenyl-phenylether
Concen: 5.805 ng
RT: 16.355 min Scan# 21
Delta R.T. -0.441 min
Lab File: BG055362.D
Acq: 29 Oct 2022 12:39

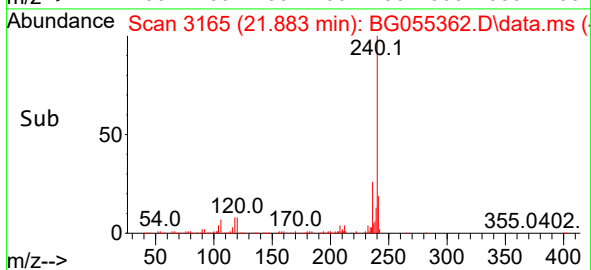
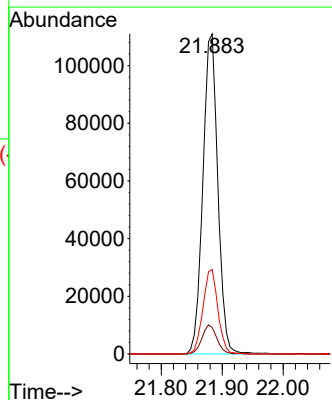
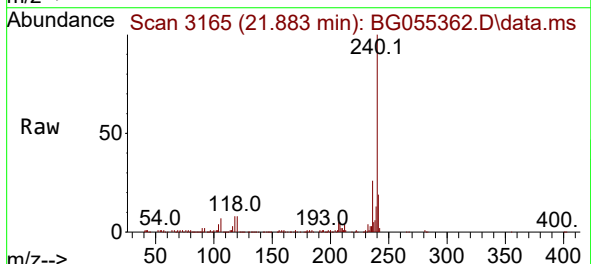
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINE

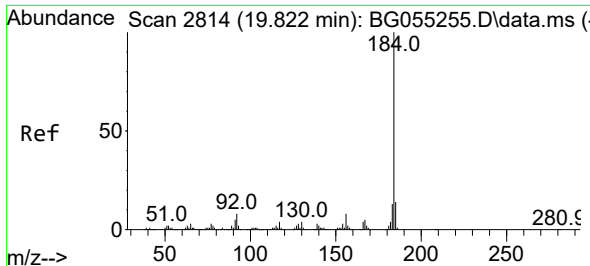
Tgt Ion:248 Resp: 10308
Ion Ratio Lower Upper
248 100
250 191.6 76.0 114.0#
141 472.0 58.0 87.0#



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.883 min Scan# 3165
Delta R.T. -0.007 min
Lab File: BG055362.D
Acq: 29 Oct 2022 12:39

Tgt Ion:240 Resp: 189460
Ion Ratio Lower Upper
240 100
120 8.3 8.9 13.3#
236 26.4 21.0 31.4

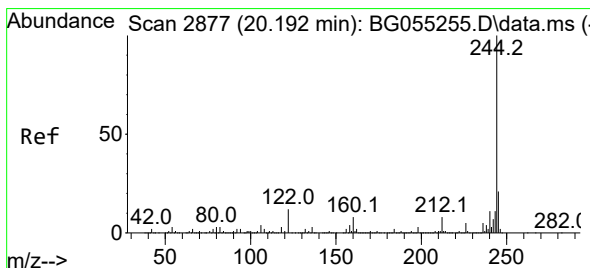
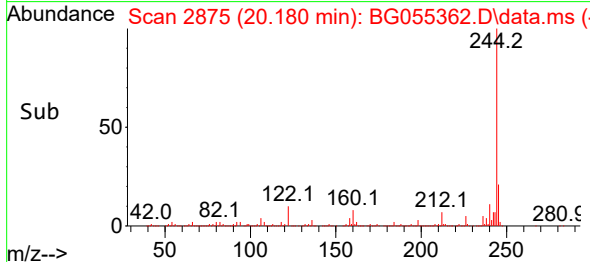
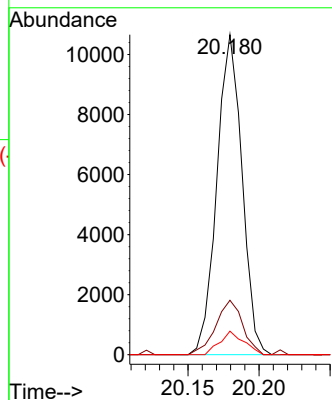
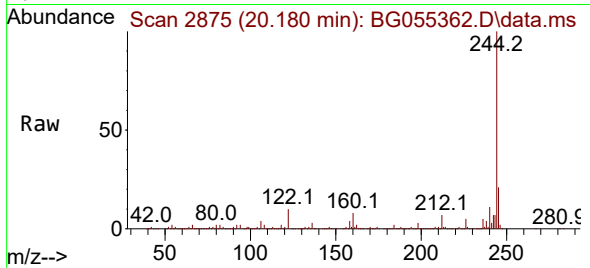




#77
Benzidine
Concen: 2.854 ng
RT: 20.180 min Scan# 2875
Delta R.T. 0.364 min
Lab File: BG055362.D
Acq: 29 Oct 2022 12:39

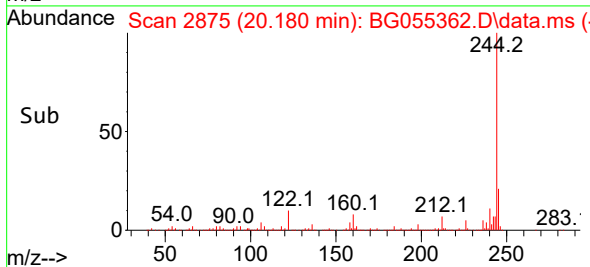
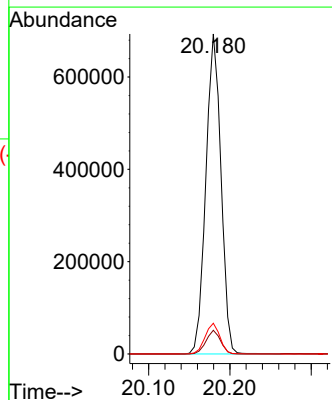
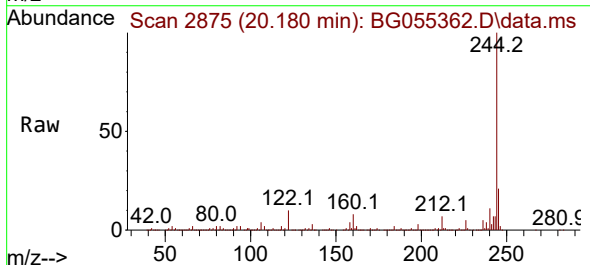
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINE

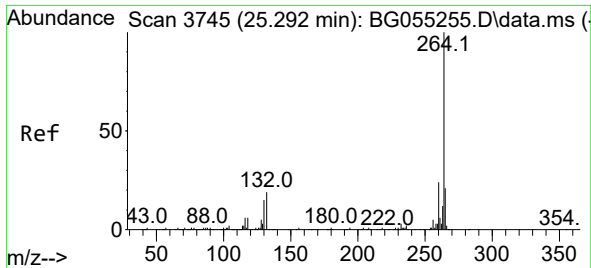
Tgt Ion:184 Resp: 13093
Ion Ratio Lower Upper
184 100
185 17.0 11.0 16.6#
183 7.3 10.0 15.0#



#79
Terphenyl-d14
Concen: 97.983 ng
RT: 20.180 min Scan# 2875
Delta R.T. -0.007 min
Lab File: BG055362.D
Acq: 29 Oct 2022 12:39

Tgt Ion:244 Resp: 893485
Ion Ratio Lower Upper
244 100
212 7.4 6.0 9.0
122 9.6 9.6 14.4#





#86
Perylene-d12
Concen: 20.000 ng
RT: 25.274 min Scan# 31
Delta R.T. -0.012 min
Lab File: BG055362.D
Acq: 29 Oct 2022 12:39

Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINE

Tgt Ion:264 Resp: 201732

Ion	Ratio	Lower	Upper
264	100		
260	24.6	19.5	29.3
265	21.0	17.4	26.2

