

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG110322\
 Data File : BG055439.D
 Acq On : 3 Nov 2022 15:55
 Operator : CG/JU
 Sample : N5273-01MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :
 LIDEN-GAS-PIPELINEMSD

Quant Time: Nov 03 17:23:53 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG110122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 02 05:05:12 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.238	152	27684	20.000	ng	0.00
21) Naphthalene-d8	11.064	136	119685	20.000	ng	0.00
39) Acenaphthene-d10	14.854	164	88383	20.000	ng	0.00
64) Phenanthrene-d10	17.592	188	209015	20.000	ng	0.00
76) Chrysene-d12	21.863	240	203086	20.000	ng	0.00
86) Perylene-d12	25.236	264	224431	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.765	112	186089	120.715	ng	0.00
7) Phenol-d6	7.386	99	246582	115.346	ng	0.00
23) Nitrobenzene-d5	9.413	82	146075	65.046	ng	0.00
42) 2,4,6-Tribromophenol	16.335	330	138713	115.061	ng	0.00
45) 2-Fluorobiphenyl	13.479	172	357923	60.043	ng	0.00
79) Terphenyl-d14	20.165	244	634516	60.755	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.561	88	25580	36.585	ng	97
3) Pyridine	3.978	79	67291	32.428	ng	98
4) n-Nitrosodimethylamine	3.890	42	34086	41.581	ng	98
6) Aniline	7.551	93	114851	41.423	ng	100
8) 2-Chlorophenol	7.798	128	87101	46.503	ng	99
9) Benzaldehyde	7.363	77	59422	47.280	ng	98
10) Phenol	7.416	94	113561	46.933	ng	97
11) bis(2-Chloroethyl)ether	7.639	93	75836	41.892	ng	99
12) 1,3-Dichlorobenzene	8.121	146	93064	43.836	ng	99
13) 1,4-Dichlorobenzene	8.273	146	94380	43.649	ng	99
14) 1,2-Dichlorobenzene	8.597	146	92286	44.590	ng	98
15) Benzyl Alcohol	8.473	79	75762	44.436	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.755	45	98157	40.755	ng	98
17) 2-Methylphenol	8.679	107	76872	44.155	ng	99
18) Hexachloroethane	9.331	117	32319	43.815	ng	90
19) n-Nitroso-di-n-propyla...	9.043	70	66069	39.552	ng	95
20) 3+4-Methylphenols	9.008	107	108161	43.725	ng	98
22) Acetophenone	9.067	105	132407	42.207	ng	98
24) Nitrobenzene	9.454	77	96532	41.229	ng	97
25) Isophorone	9.977	82	186462	41.925	ng	98
26) 2-Nitrophenol	10.171	139	53209	44.135	ng	98
27) 2,4-Dimethylphenol	10.218	122	87359	51.678	ng	97
28) bis(2-Chloroethoxy)met...	10.453	93	108542	45.819	ng	99
29) 2,4-Dichlorophenol	10.712	162	94591	45.872	ng	99
30) 1,2,4-Trichlorobenzene	10.923	180	94865	42.484	ng	99
31) Naphthalene	11.117	128	278220	41.288	ng	100
32) Benzoic acid	10.389	122	41555	42.027	ng	97
33) 4-Chloroaniline	11.223	127	93428	33.368	ng	98
34) Hexachlorobutadiene	11.387	225	57763	41.617	ng	97
35) Caprolactam	11.999	113	17699	23.182	ng	92
36) 4-Chloro-3-methylphenol	12.328	107	102023	45.186	ng	100
37) 2-Methylnaphthalene	12.704	142	206118	41.642	ng	99
38) 1-Methylnaphthalene	12.921	142	194976	40.387	ng	100
40) 1,2,4,5-Tetrachloroben...	13.068	216	111560	42.730	ng	99
41) Hexachlorocyclopentadiene	13.038	237	118556	93.922	ng	95
43) 2,4,6-Trichlorophenol	13.303	196	78865	43.377	ng	99

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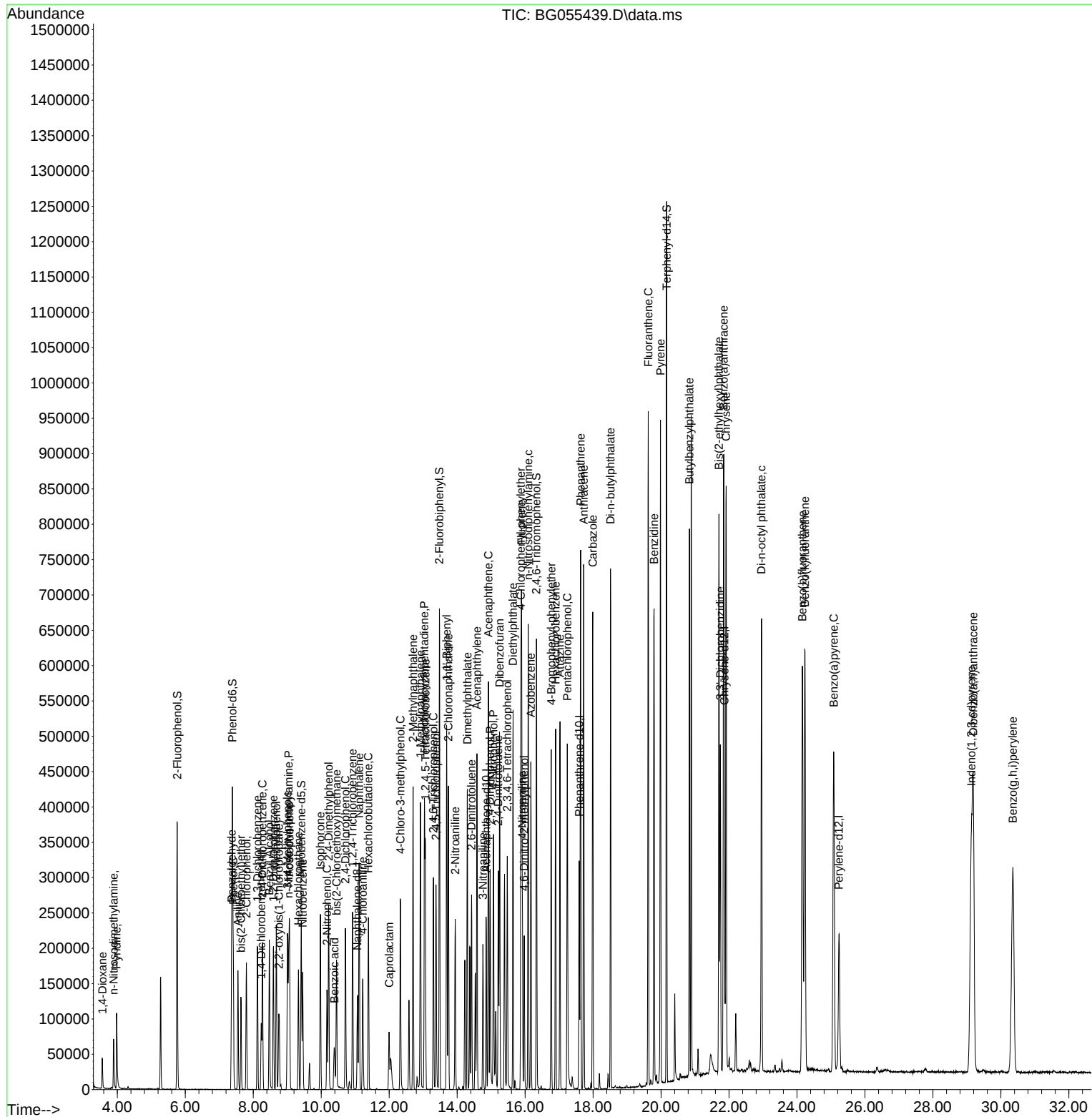
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.379	196	88335	43.619	ng	97
46) 1,1'-Biphenyl	13.691	154	283575	43.603	ng	100
47) 2-Chloronaphthalene	13.744	162	221724	42.429	ng	100
48) 2-Nitroaniline	13.943	65	66929	41.698	ng	96
49) Acenaphthylene	14.584	152	358390	41.767	ng	100
50) Dimethylphthalate	14.302	163	302906	41.058	ng	100
51) 2,6-Dinitrotoluene	14.425	165	66021	42.746	ng	95
52) Acenaphthene	14.919	154	210432	41.205	ng	98
53) 3-Nitroaniline	14.760	138	60423	34.808	ng	99
54) 2,4-Dinitrophenol	14.971	184	80498	85.830	ng	99
55) Dibenzofuran	15.248	168	357572	42.301	ng	99
56) 4-Nitrophenol	15.071	139	112582	94.588	ng	95
57) 2,4-Dinitrotoluene	15.212	165	97638	44.212	ng	96
58) Fluorene	15.894	166	287267	41.833	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.477	232	79202	43.495	ng	97
60) Diethylphthalate	15.647	149	313014	40.827	ng	100
61) 4-Chlorophenyl-phenyle...	15.876	204	154309	43.465	ng	98
62) 4-Nitroaniline	15.917	138	75419	41.066	ng	96
63) Azobenzene	16.170	77	261512	41.034	ng	98
65) 4,6-Dinitro-2-methylph...	15.976	198	58127	43.174	ng	98
66) n-Nitrosodiphenylamine	16.094	169	263948	42.475	ng	99
67) 4-Bromophenyl-phenylether	16.769	248	106554	43.126	ng	97
68) Hexachlorobenzene	16.899	284	119465	42.399	ng	96
69) Atrazine	17.028	200	107117	51.344	ng	99
70) Pentachlorophenol	17.245	266	116833	80.003	ng	99
71) Phenanthrene	17.633	178	490805	41.746	ng	99
72) Anthracene	17.727	178	497612	43.181	ng	99
73) Carbazole	17.991	167	468866	43.731	ng	99
74) Di-n-butylphthalate	18.514	149	563020	42.046	ng	100
75) Fluoranthene	19.625	202	597399	42.244	ng	99
77) Benzidine	19.795	184	428747	101.404	ng	99
78) Pyrene	19.983	202	605154	42.239	ng	100
80) Butylbenzylphthalate	20.835	149	249900	41.837	ng	99
81) Benzo(a)anthracene	21.846	228	585141	41.973	ng	99
82) 3,3'-Dichlorobenzidine	21.746	252	184380	38.568	ng	97
83) Chrysene	21.916	228	547608	41.173	ng	100
84) Bis(2-ethylhexyl)phtha...	21.705	149	370636	42.687	ng	99
85) Di-n-octyl phthalate	22.956	149	628636	42.256	ng	100
87) Indeno(1,2,3-cd)pyrene	29.131	276	757242	42.024	ng	99
88) Benzo(b)fluoranthene	24.161	252	634714	44.523	ng	99
89) Benzo(k)fluoranthene	24.237	252	615761	42.982	ng	99
90) Benzo(a)pyrene	25.083	252	564490	45.795	ng	99
91) Dibenzo(a,h)anthracene	29.190	278	643498	43.285	ng	99
92) Benzo(g,h,i)perylene	30.353	276	630292	42.629	ng	98

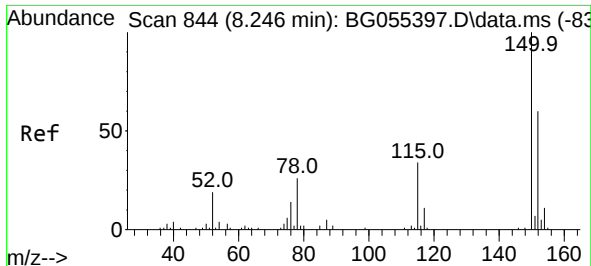
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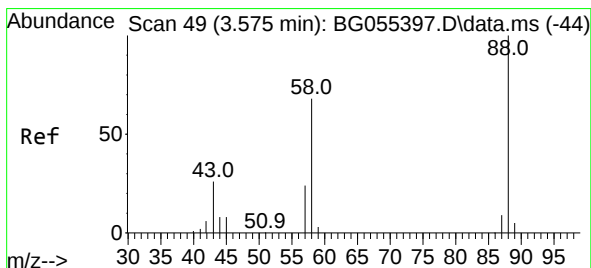
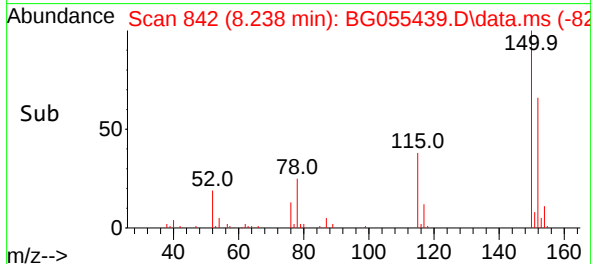
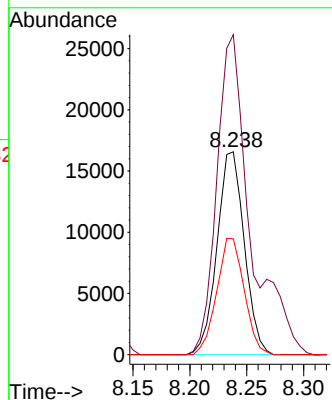
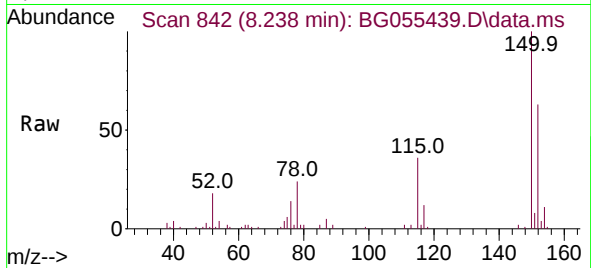




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.238 min Scan# 84
Delta R.T. -0.008 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

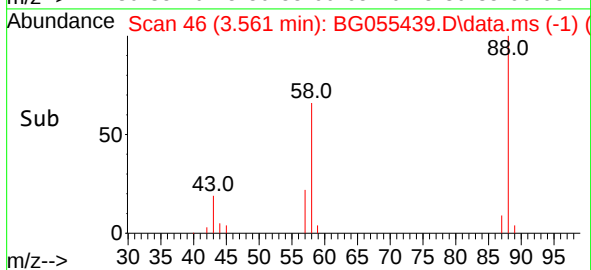
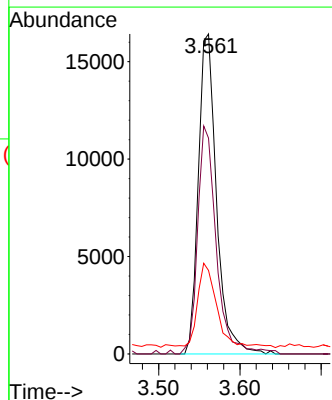
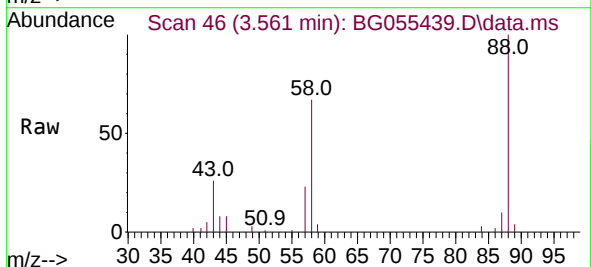
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BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMSD

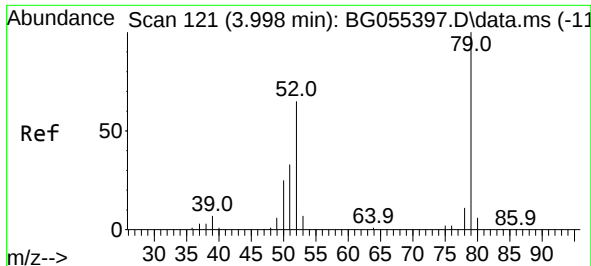
Tgt Ion:152 Resp: 27684
Ion Ratio Lower Upper
152 100
150 157.7 132.8 199.2
115 57.1 45.1 67.7



#2
1,4-Dioxane
Concen: 36.585 ng
RT: 3.561 min Scan# 46
Delta R.T. -0.014 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

Tgt Ion: 88 Resp: 25580
Ion Ratio Lower Upper
88 100
58 73.3 55.7 83.5
43 25.5 20.7 31.1





#3

Pyridine

Concen: 32.428 ng

RT: 3.978 min Scan# 117

Delta R.T. -0.020 min

Lab File: BG055439.D

Acq: 3 Nov 2022 15:55

Instrument :

BNA_G

ClientSampleId :

LIDEN-GAS-PIPELINEMSD

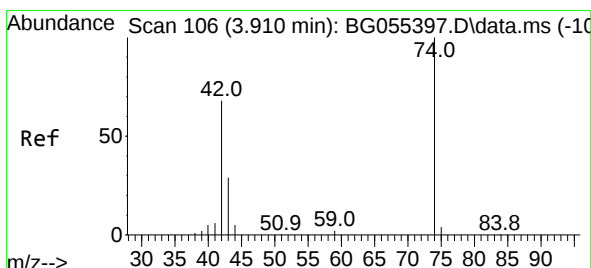
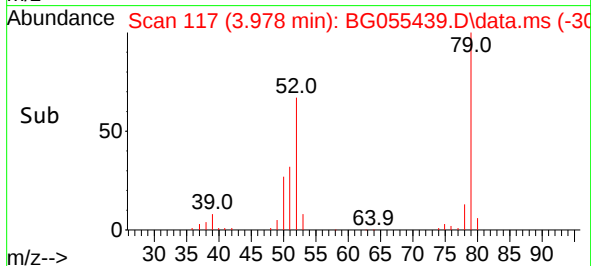
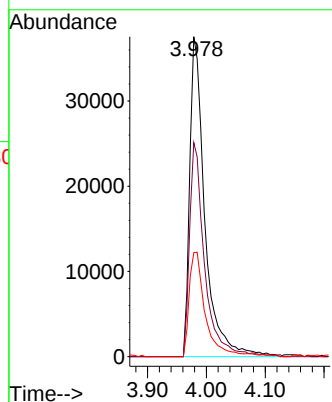
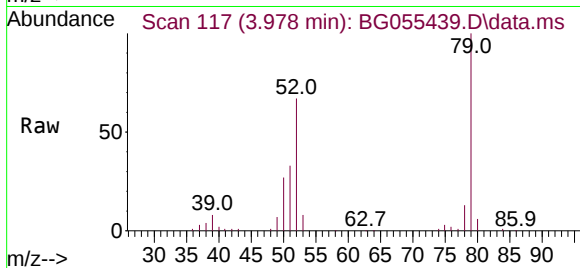
Tgt Ion: 79 Resp: 67291

Ion Ratio Lower Upper

79 100

52 66.9 51.8 77.6

51 32.5 26.6 40.0



#4

n-Nitrosodimethylamine

Concen: 41.581 ng

RT: 3.890 min Scan# 102

Delta R.T. -0.019 min

Lab File: BG055439.D

Acq: 3 Nov 2022 15:55

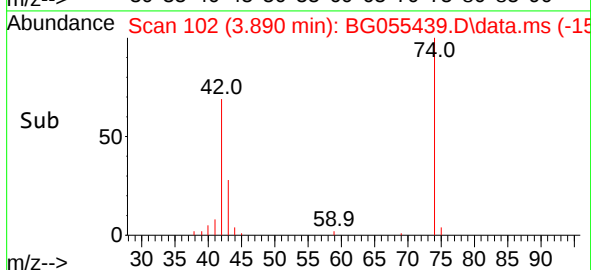
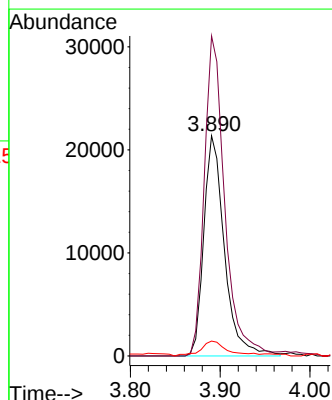
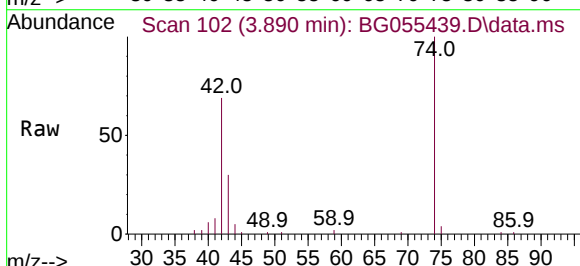
Tgt Ion: 42 Resp: 34086

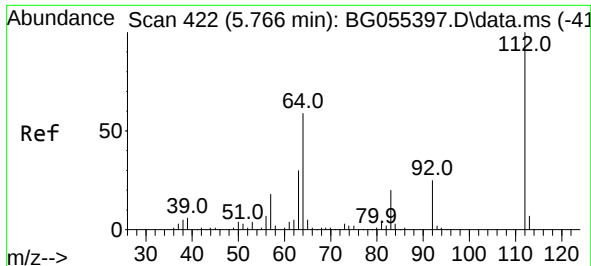
Ion Ratio Lower Upper

42 100

74 145.3 118.1 177.1

44 6.8 5.4 8.0

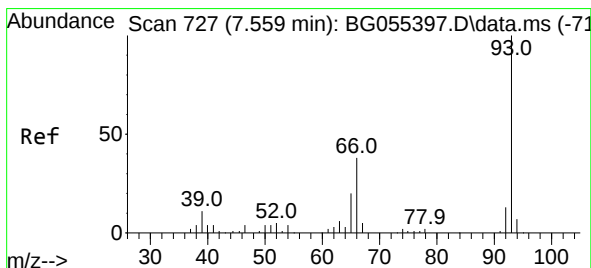
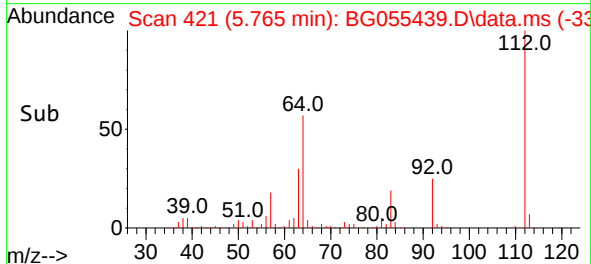
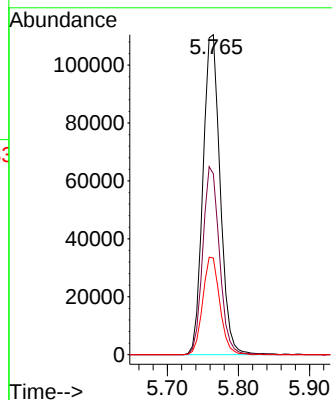
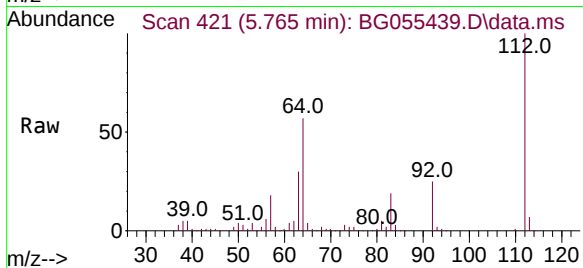




#5
2-Fluorophenol
Concen: 120.715 ng
RT: 5.765 min Scan# 41
Delta R.T. -0.002 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

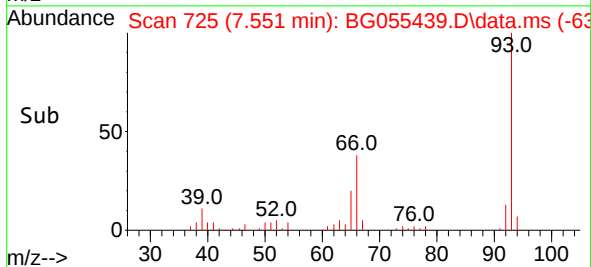
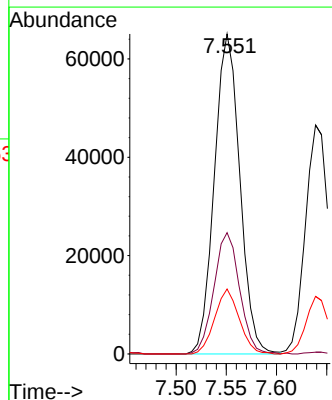
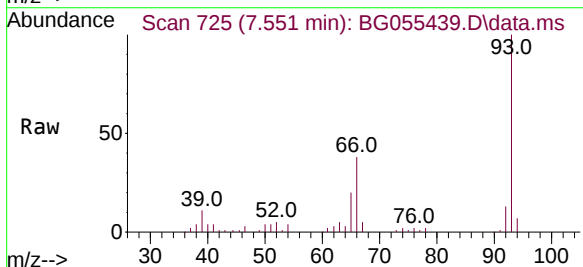
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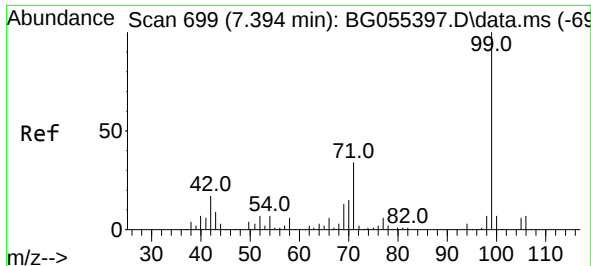
Tgt Ion:112 Resp: 186089
Ion Ratio Lower Upper
112 100
64 56.5 47.2 70.8
63 30.2 24.3 36.5



#6
Aniline
Concen: 41.423 ng
RT: 7.551 min Scan# 725
Delta R.T. -0.008 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

Tgt Ion: 93 Resp: 114851
Ion Ratio Lower Upper
93 100
66 37.9 30.6 45.8
65 20.3 16.4 24.6

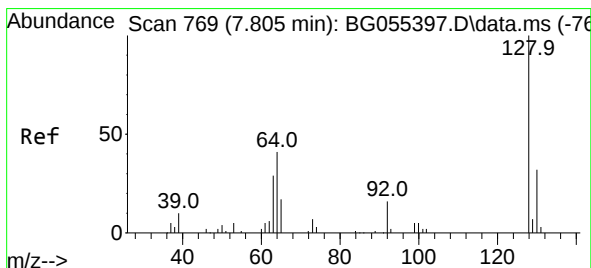
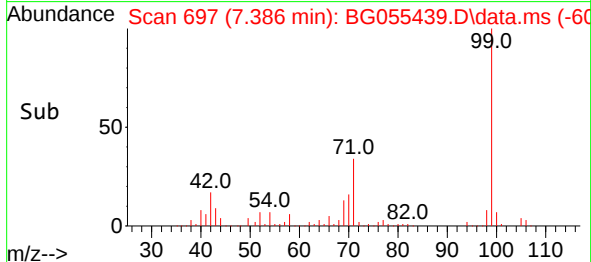
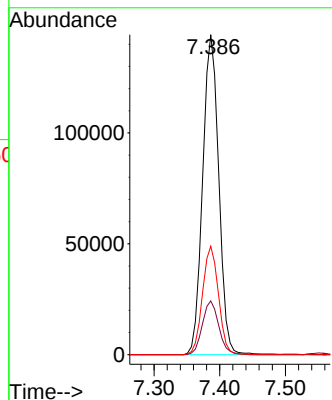
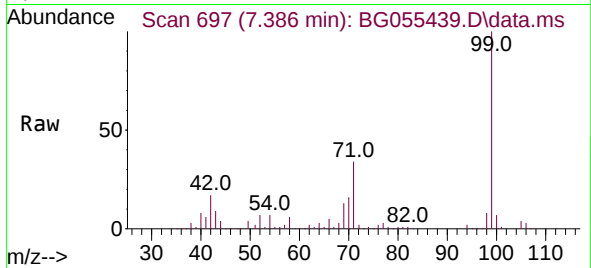




#7
Phenol-d6
Concen: 115.346 ng
RT: 7.386 min Scan# 699
Delta R.T. -0.008 min
Lab File: BG055439.D
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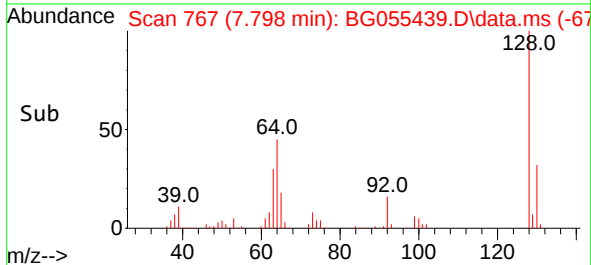
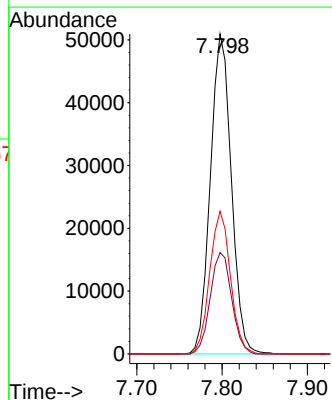
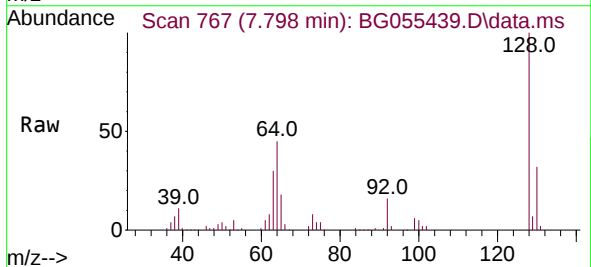
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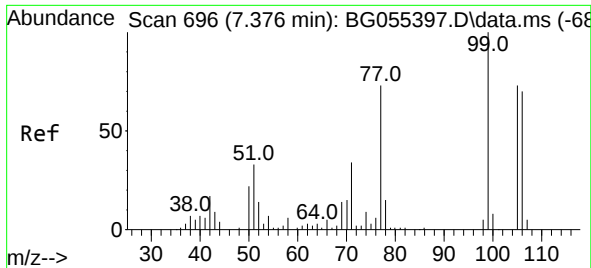
Tgt Ion: 99 Resp: 246582
Ion Ratio Lower Upper
99 100
42 16.8 13.5 20.3
71 33.9 27.4 41.0



#8
2-Chlorophenol
Concen: 46.503 ng
RT: 7.798 min Scan# 767
Delta R.T. -0.008 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

Tgt Ion: 128 Resp: 87101
Ion Ratio Lower Upper
128 100
130 31.7 12.3 52.3
64 44.6 25.3 65.3

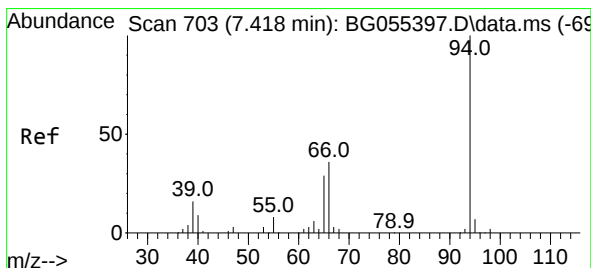
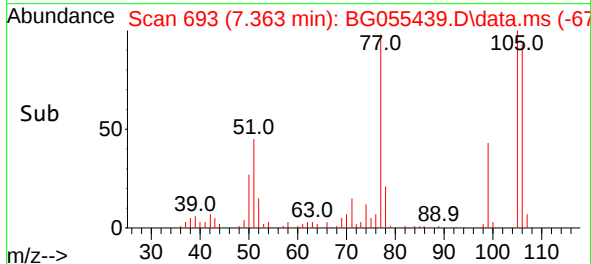
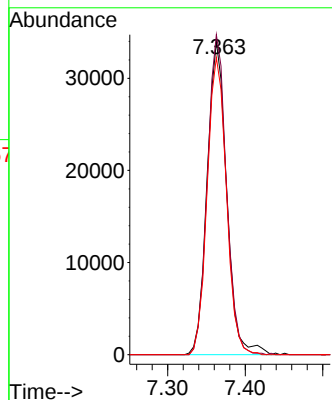
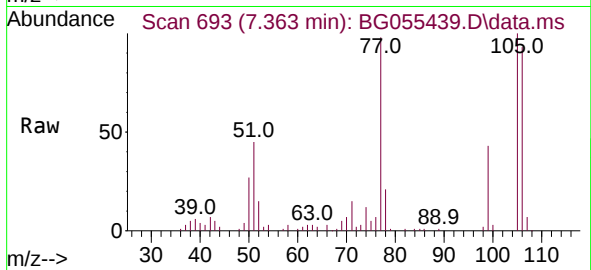




#9
Benzaldehyde
Concen: 47.280 ng
RT: 7.363 min Scan# 696
Delta R.T. -0.014 min
Lab File: BG055439.D
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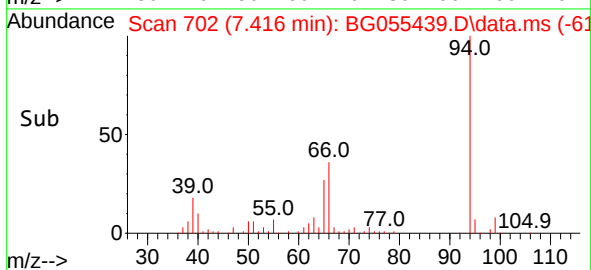
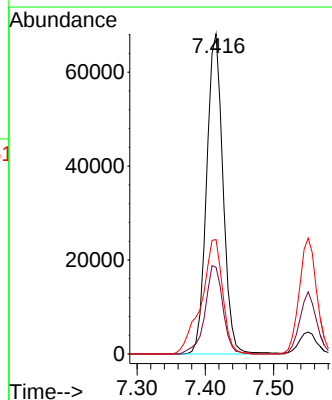
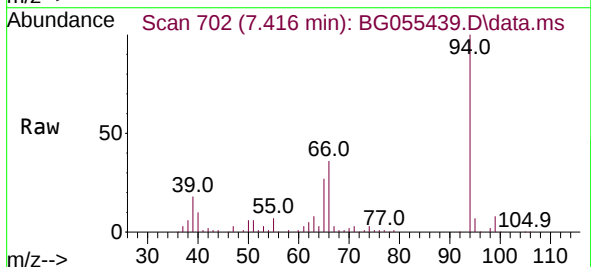
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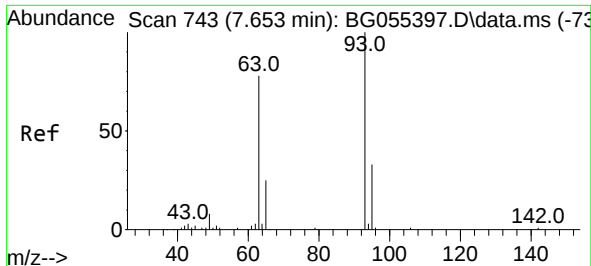
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Ion Ratio Lower Upper
77 100
105 102.2 79.7 119.7
106 94.9 75.4 115.4



#10
Phenol
Concen: 46.933 ng
RT: 7.416 min Scan# 702
Delta R.T. -0.002 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

Tgt Ion: 94 Resp: 113561
Ion Ratio Lower Upper
94 100
65 27.1 9.0 49.0
66 35.8 17.6 57.6

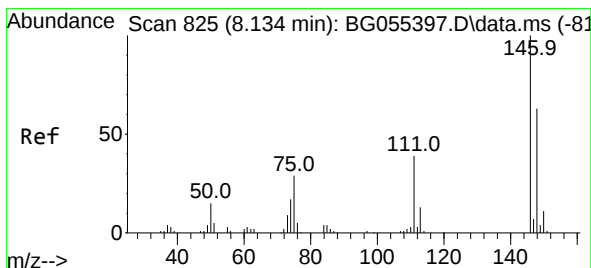
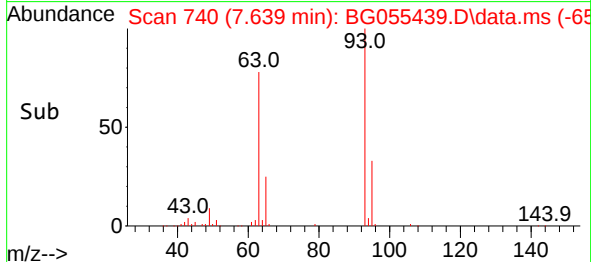
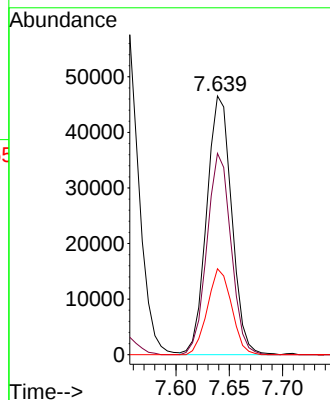
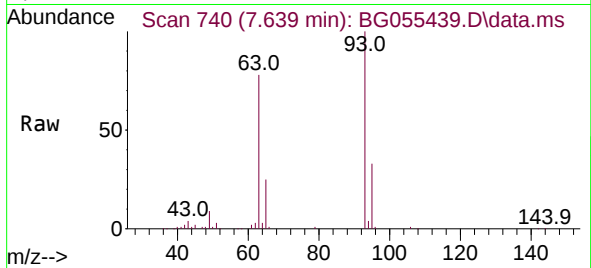




#11
bis(2-Chloroethyl)ether
Concen: 41.892 ng
RT: 7.639 min Scan# 743
Delta R.T. -0.014 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

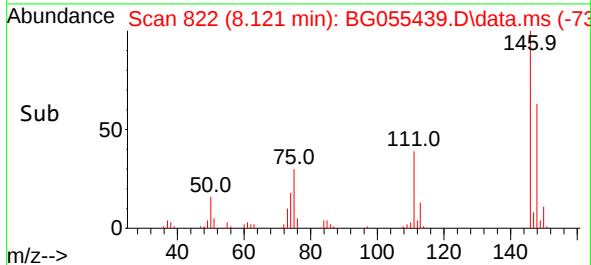
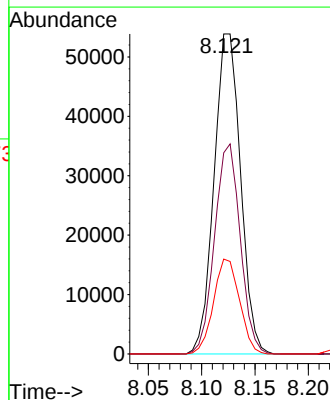
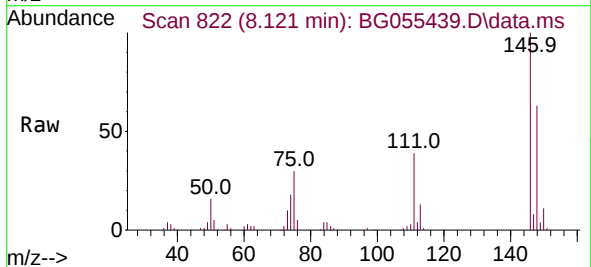
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMSD

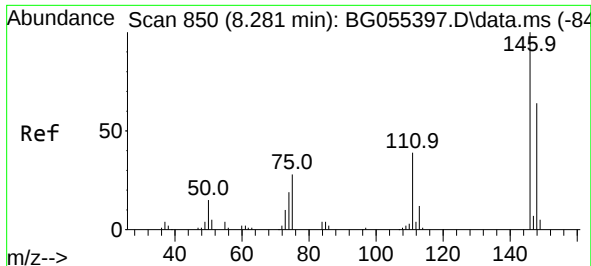
Tgt Ion: 93 Resp: 75836
Ion Ratio Lower Upper
93 100
63 77.8 57.4 97.4
95 33.2 12.5 52.5



#12
1,3-Dichlorobenzene
Concen: 43.836 ng
RT: 8.121 min Scan# 822
Delta R.T. -0.014 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

Tgt Ion: 146 Resp: 93064
Ion Ratio Lower Upper
146 100
148 62.9 50.6 75.8
75 29.7 22.8 34.2

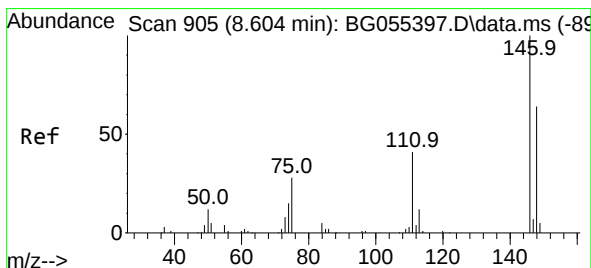
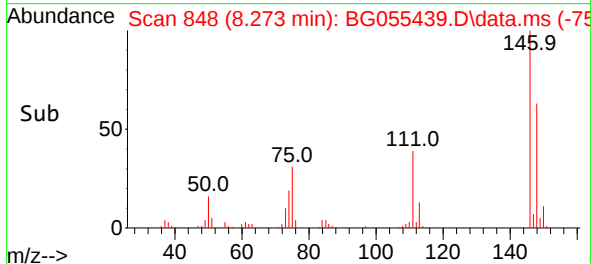
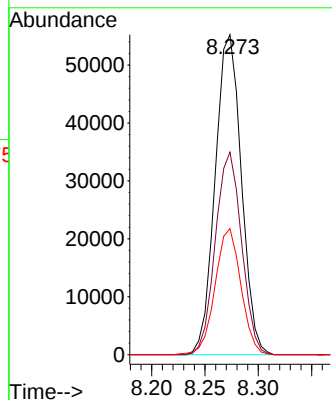
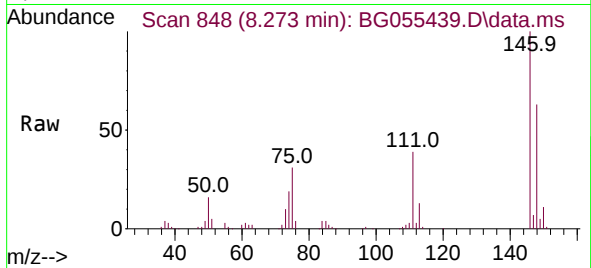




#13
1,4-Dichlorobenzene
Concen: 43.649 ng
RT: 8.273 min Scan# 84
Delta R.T. -0.008 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

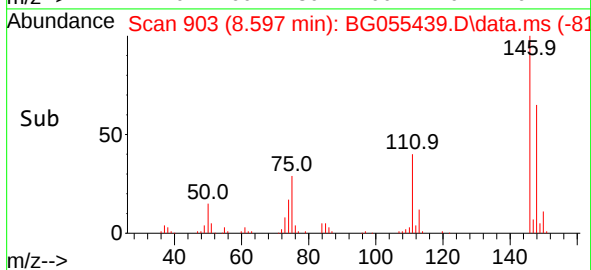
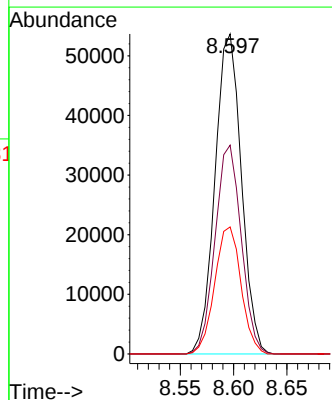
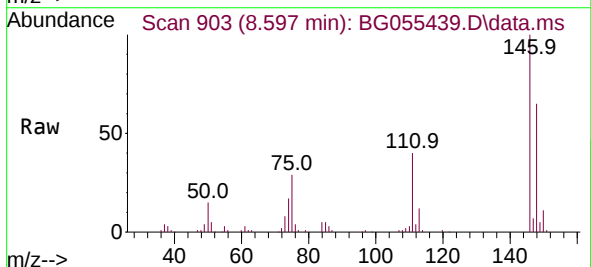
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMSD

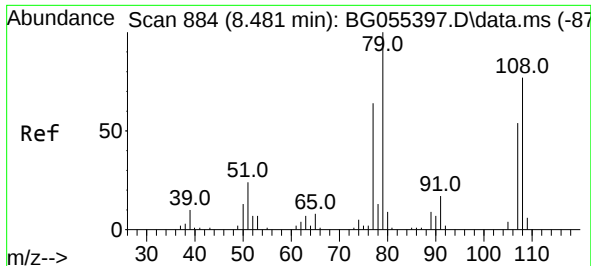
Tgt Ion:146 Resp: 94380
Ion Ratio Lower Upper
146 100
148 63.3 51.1 76.7
111 39.4 31.2 46.8



#14
1,2-Dichlorobenzene
Concen: 44.590 ng
RT: 8.597 min Scan# 903
Delta R.T. -0.008 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

Tgt Ion:146 Resp: 92286
Ion Ratio Lower Upper
146 100
148 65.3 51.4 77.2
111 39.7 33.2 49.8

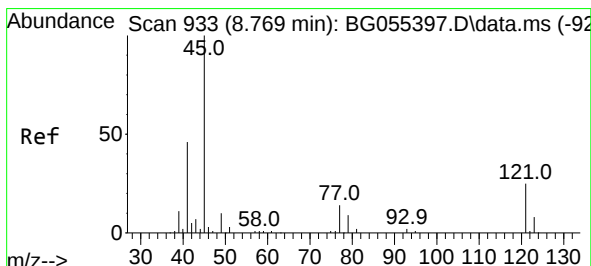
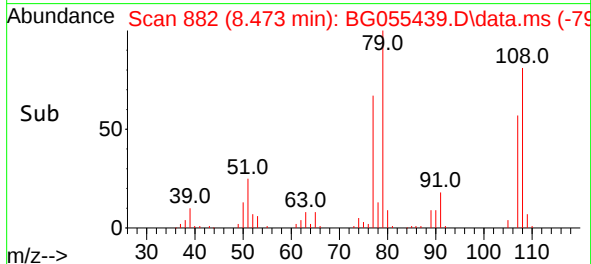
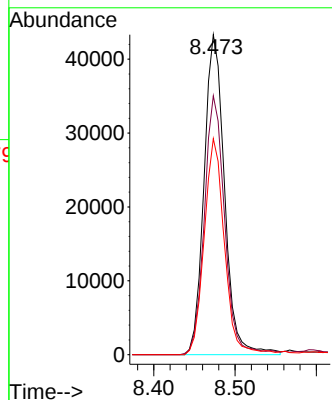
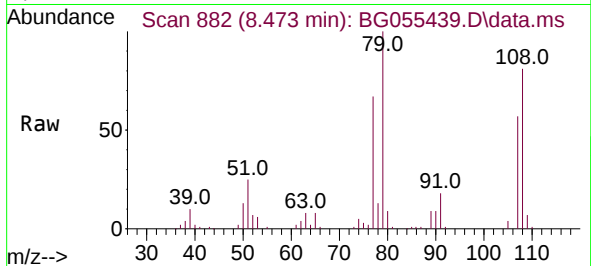




#15
Benzyl Alcohol
Concen: 44.436 ng
RT: 8.473 min Scan# 81
Delta R.T. -0.008 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

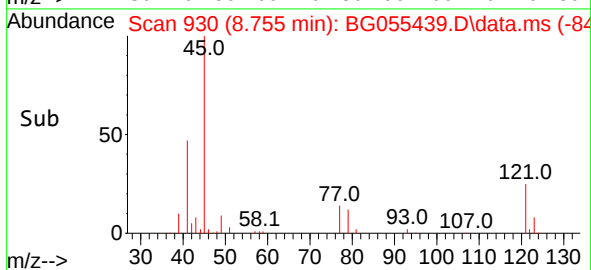
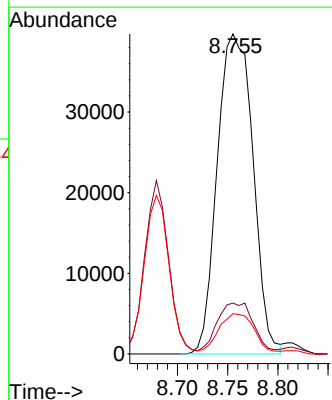
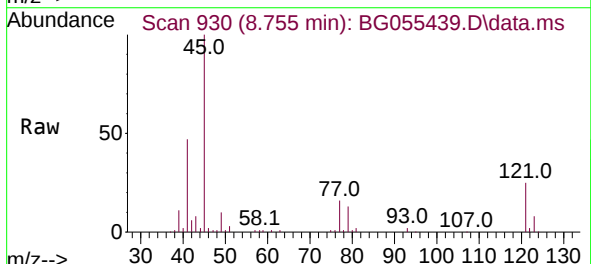
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMSD

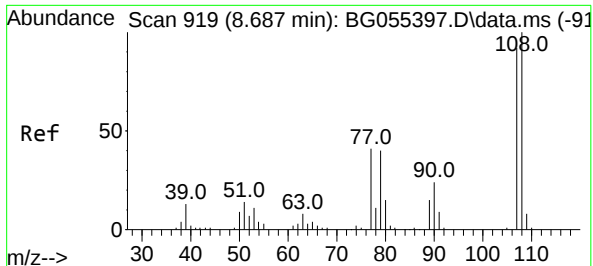
Tgt Ion: 79 Resp: 75762
Ion Ratio Lower Upper
79 100
108 80.9 61.6 92.4
77 67.5 51.4 77.0



#16
2,2'-oxybis(1-chloropropane)
Concen: 40.755 ng
RT: 8.755 min Scan# 930
Delta R.T. -0.014 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

Tgt Ion: 45 Resp: 98157
Ion Ratio Lower Upper
45 100
77 15.9 0.0 36.6
79 12.6 0.0 31.3

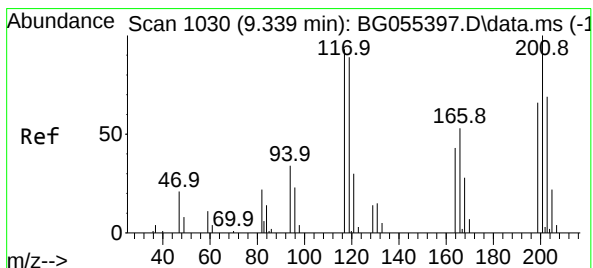
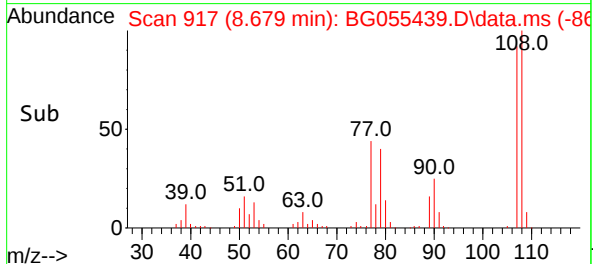
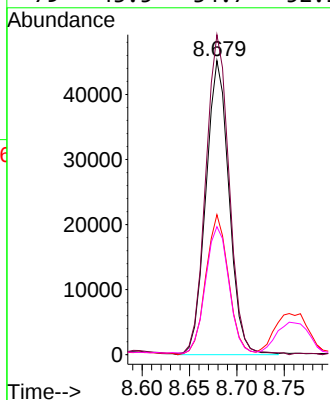
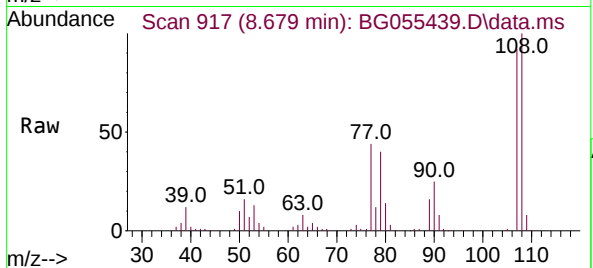




#17
2-Methylphenol
Concen: 44.155 ng
RT: 8.679 min Scan# 91
Delta R.T. -0.008 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

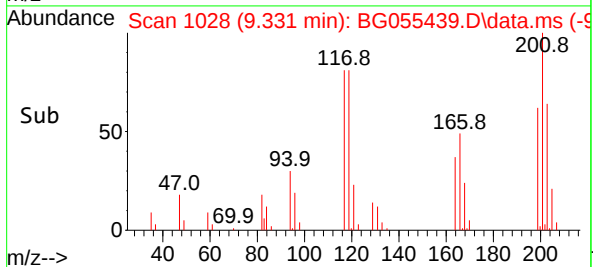
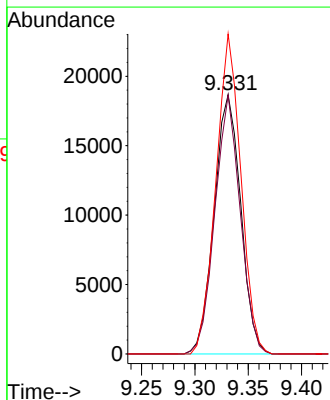
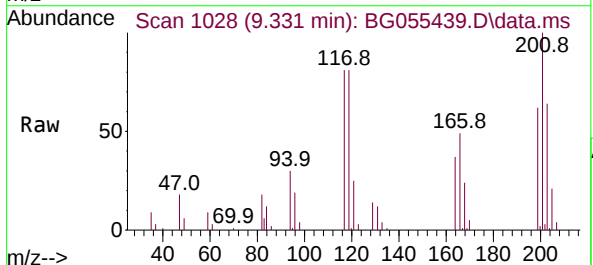
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMSD

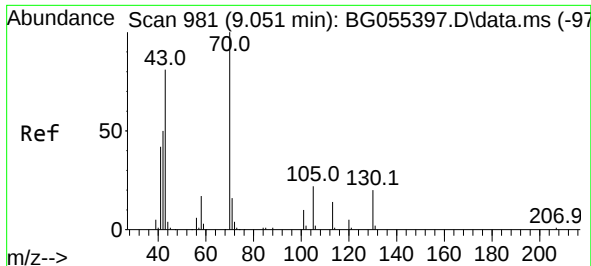
Tgt Ion:	107	Resp:	76872
Ion	Ratio	Lower	Upper
107	100		
108	108.8	86.9	130.3
77	47.6	36.1	54.1
79	43.5	34.7	52.1



#18
Hexachloroethane
Concen: 43.815 ng
RT: 9.331 min Scan# 1028
Delta R.T. -0.008 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

Tgt Ion:	117	Resp:	32319
Ion	Ratio	Lower	Upper
117	100		
119	99.8	76.5	114.7
201	123.5	86.1	129.1

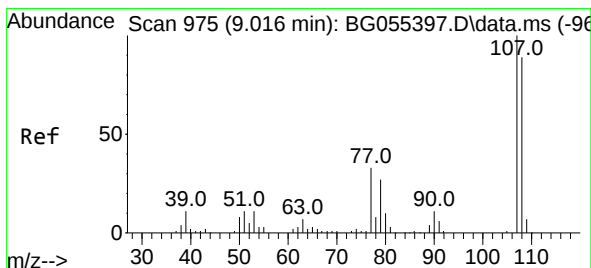
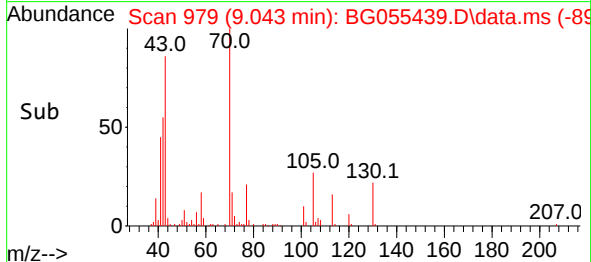
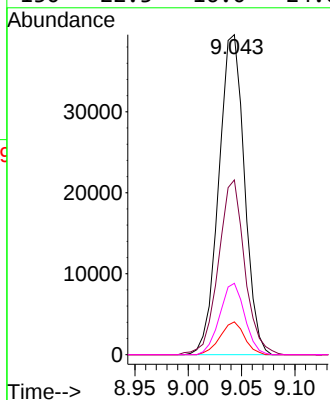
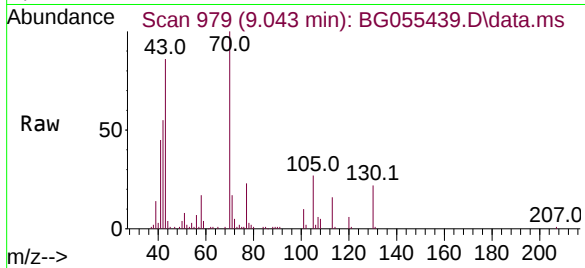




#19
n-Nitroso-di-n-propylamine
Concen: 39.552 ng
RT: 9.043 min Scan# 91
Delta R.T. -0.008 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

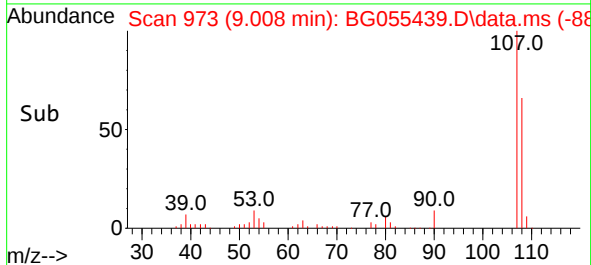
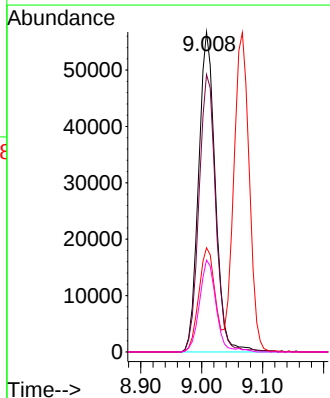
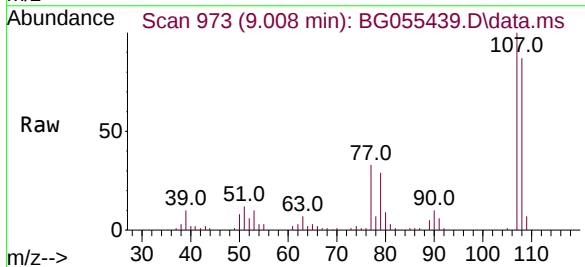
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMSD

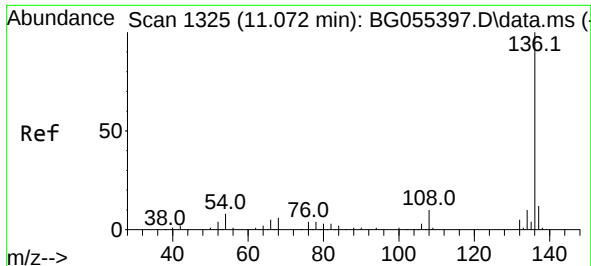
Tgt Ion: 70 Resp: 66069
Ion Ratio Lower Upper
70 100
42 54.6 40.6 61.0
101 10.2 7.8 11.6
130 22.3 16.0 24.0



#20
3+4-Methylphenols
Concen: 43.725 ng
RT: 9.008 min Scan# 973
Delta R.T. -0.008 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

Tgt Ion: 107 Resp: 108161
Ion Ratio Lower Upper
107 100
108 86.7 69.1 109.1
77 32.6 12.8 52.8
79 28.7 7.5 47.5

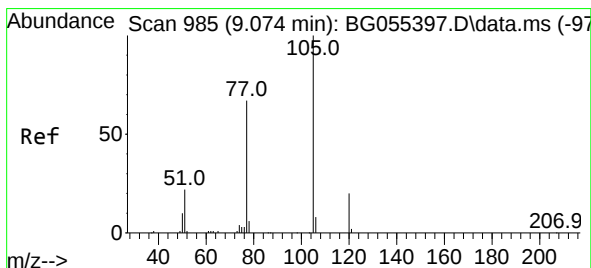
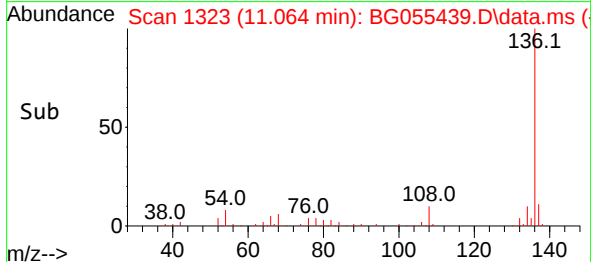
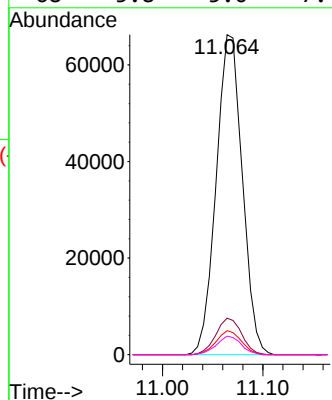
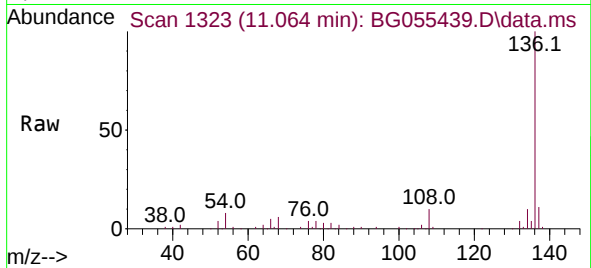




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 11.064 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

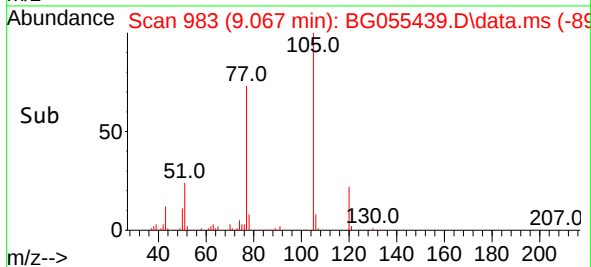
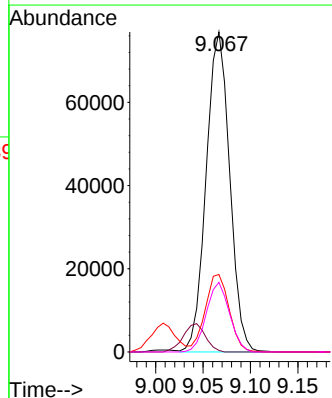
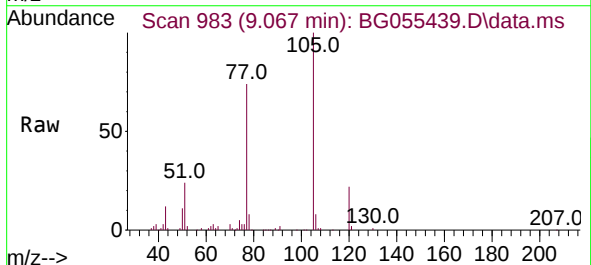
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMSD

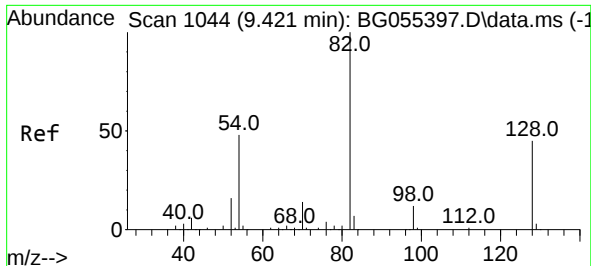
Tgt Ion:136 Resp: 119685
Ion Ratio Lower Upper
136 100
137 11.4 9.4 14.2
54 7.5 6.1 9.1
68 5.8 5.0 7.4



#22
Acetophenone
Concen: 42.207 ng
RT: 9.067 min Scan# 983
Delta R.T. -0.008 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

Tgt Ion:105 Resp: 132407
Ion Ratio Lower Upper
105 100
71 0.5 0.5 0.7
51 24.2 19.6 29.4
120 21.7 16.3 24.5





#23

Nitrobenzene-d5

Concen: 65.046 ng

RT: 9.413 min Scan# 1042

Delta R.T. -0.008 min

Lab File: BG055439.D

Acq: 3 Nov 2022 15:55

Instrument :

BNA_G

ClientSampleId :

LIDEN-GAS-PIPELINEMSD

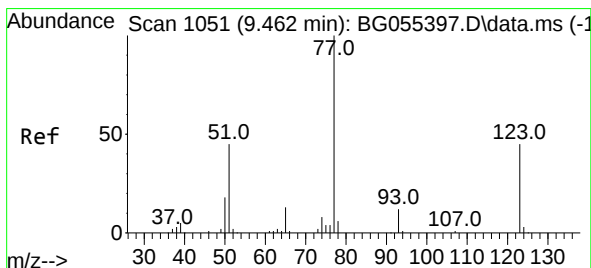
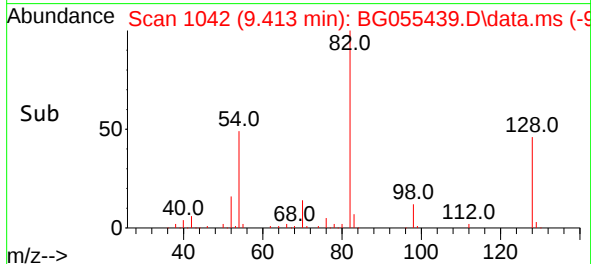
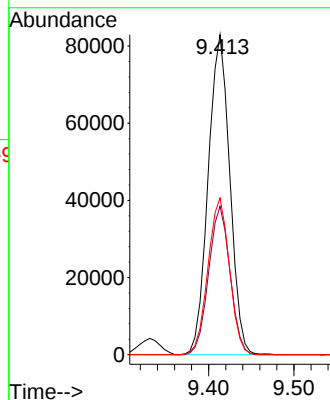
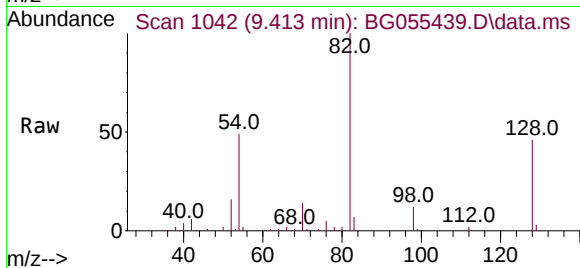
Tgt Ion: 82 Resp: 146075

Ion Ratio Lower Upper

82 100

128 46.4 35.8 53.8

54 49.0 38.1 57.1



#24

Nitrobenzene

Concen: 41.229 ng

RT: 9.454 min Scan# 1049

Delta R.T. -0.008 min

Lab File: BG055439.D

Acq: 3 Nov 2022 15:55

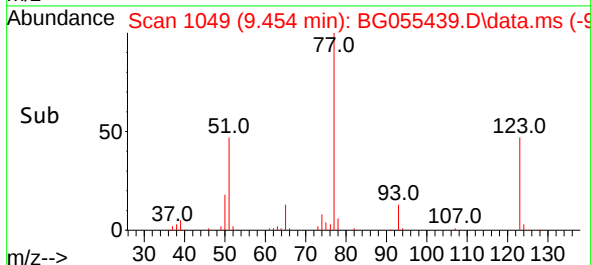
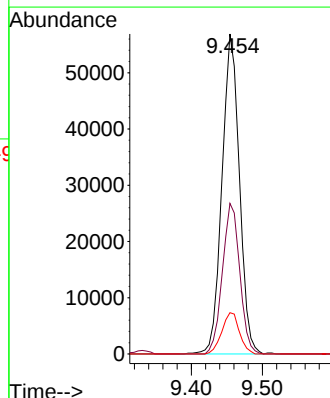
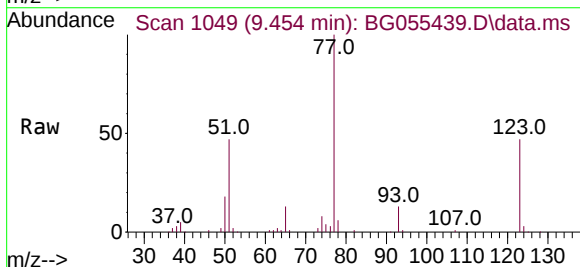
Tgt Ion: 77 Resp: 96532

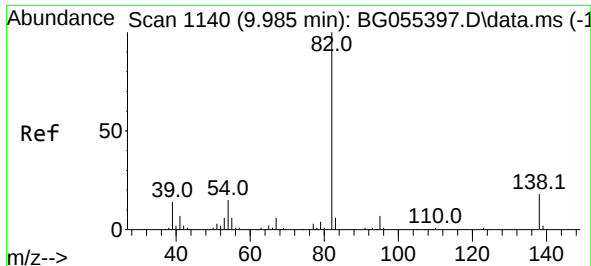
Ion Ratio Lower Upper

77 100

123 47.0 35.8 53.8

65 12.9 10.2 15.4

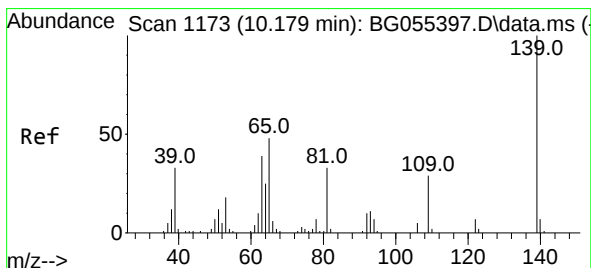
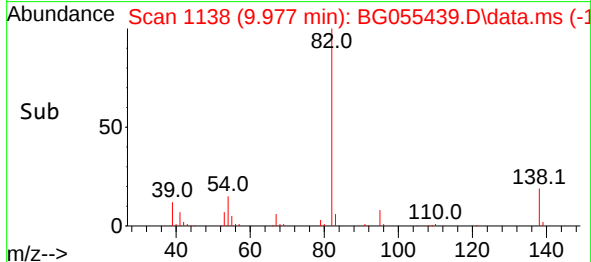
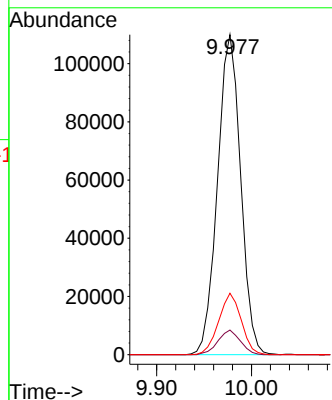
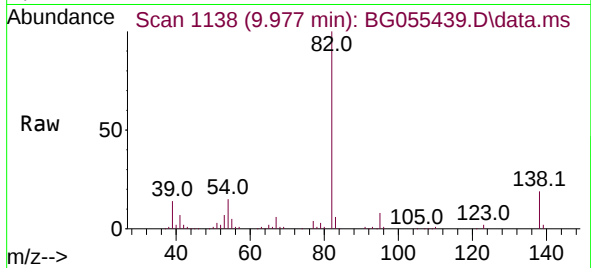




#25
Isophorone
Concen: 41.925 ng
RT: 9.977 min Scan# 1140
Delta R.T. -0.008 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

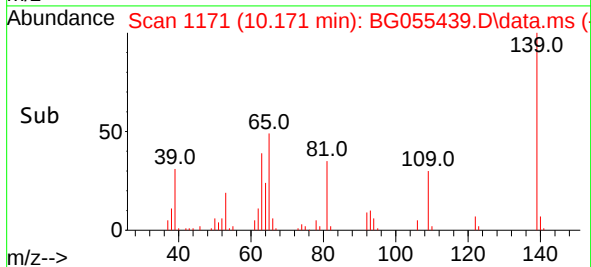
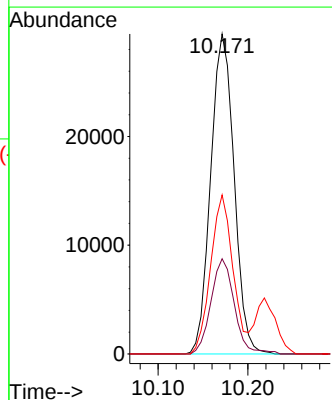
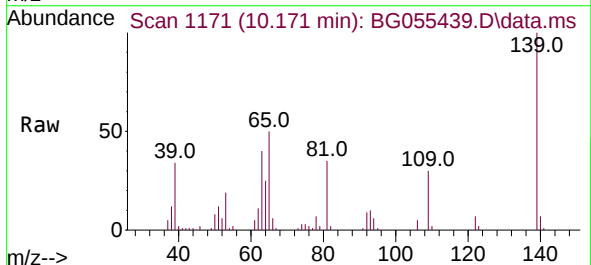
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMSD

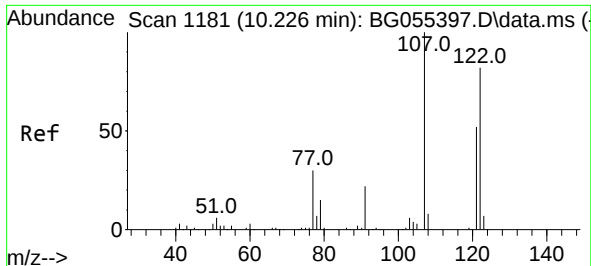
Tgt Ion: 82 Resp: 186462
Ion Ratio Lower Upper
82 100
95 7.7 6.0 9.0
138 19.2 14.6 21.8



#26
2-Nitrophenol
Concen: 44.135 ng
RT: 10.171 min Scan# 1171
Delta R.T. -0.008 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

Tgt Ion:139 Resp: 53209
Ion Ratio Lower Upper
139 100
109 29.8 22.9 34.3
65 49.7 38.7 58.1

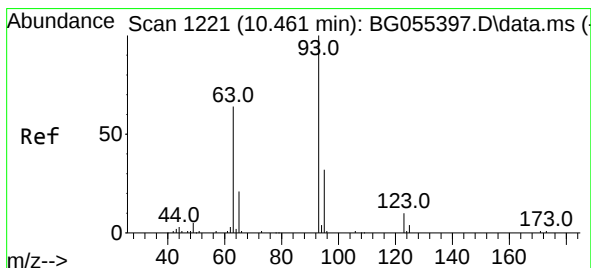
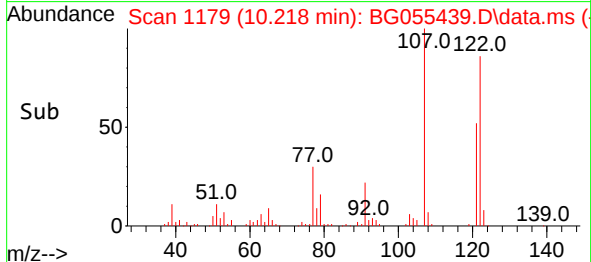
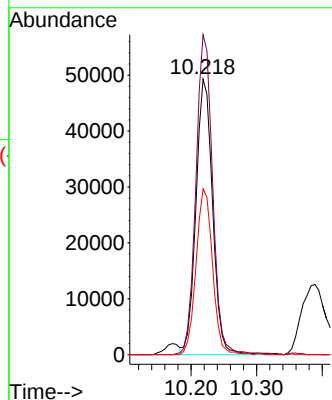
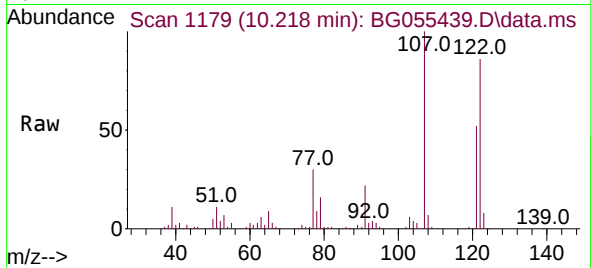




#27
2,4-Dimethylphenol
Concen: 51.678 ng
RT: 10.218 min Scan# 1181
Delta R.T. -0.008 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

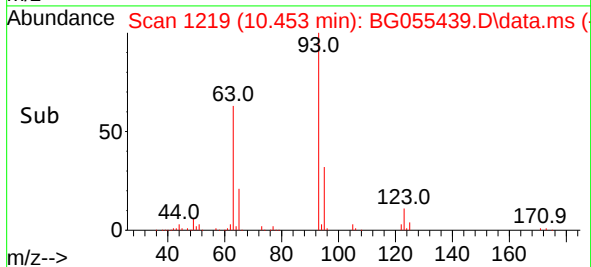
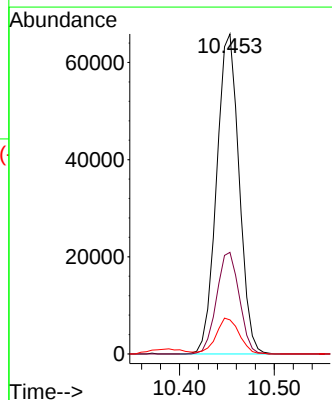
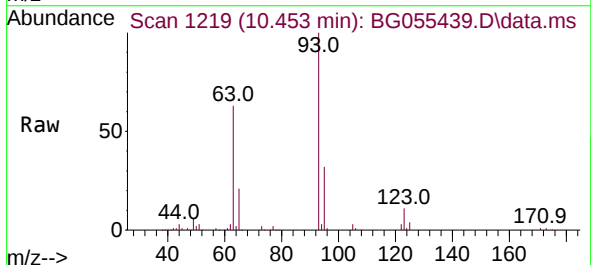
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMSD

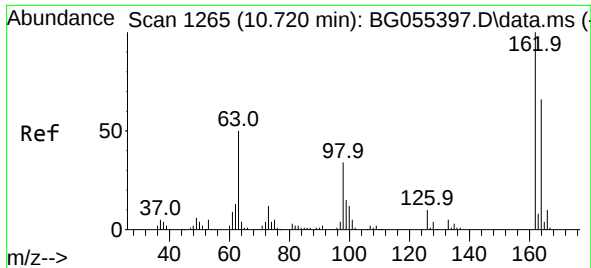
Tgt Ion:122 Resp: 87359
Ion Ratio Lower Upper
122 100
107 116.2 95.4 143.2
121 60.2 49.5 74.3



#28
bis(2-Chloroethoxy)methane
Concen: 45.819 ng
RT: 10.453 min Scan# 1219
Delta R.T. -0.008 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

Tgt Ion: 93 Resp: 108542
Ion Ratio Lower Upper
93 100
95 31.7 25.7 38.5
123 10.6 8.4 12.6

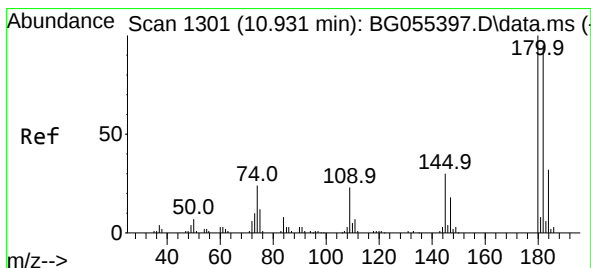
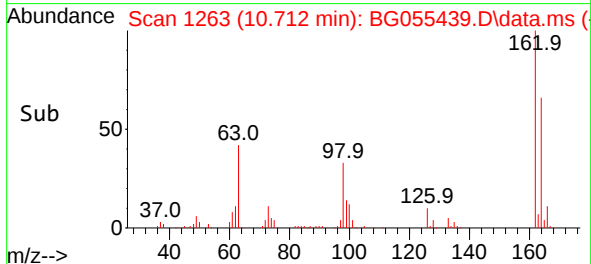
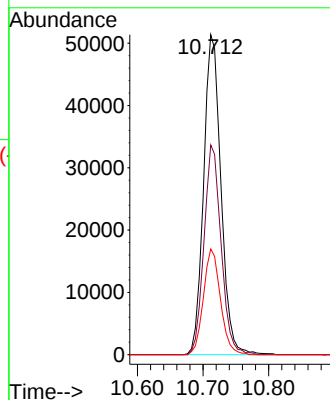
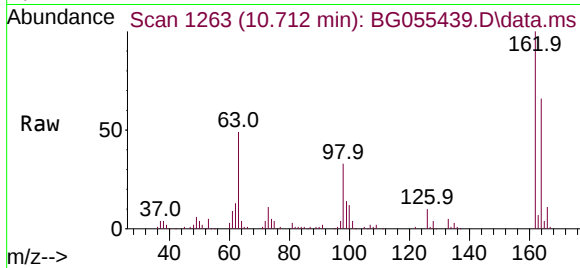




#29
2,4-Dichlorophenol
Concen: 45.872 ng
RT: 10.712 min Scan# 1263
Delta R.T. -0.008 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

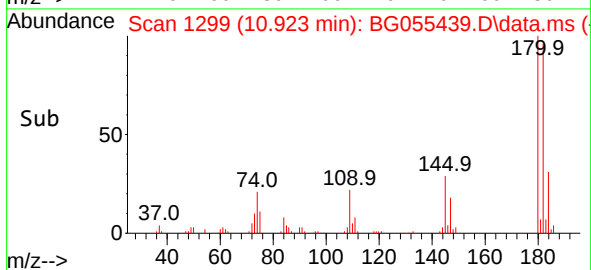
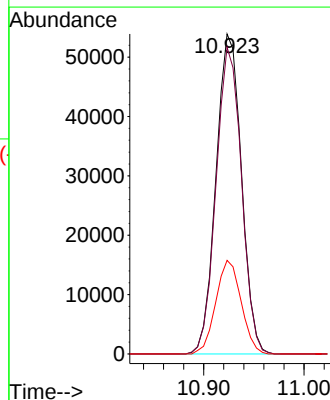
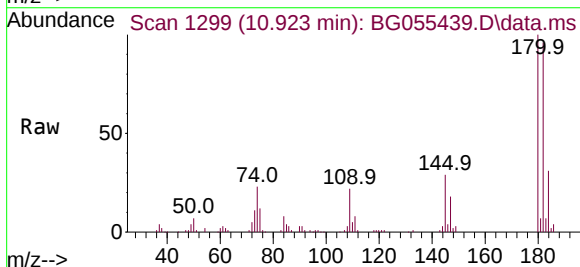
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMSD

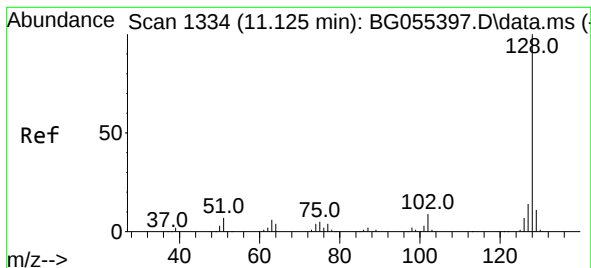
Tgt Ion:162 Resp: 94591
Ion Ratio Lower Upper
162 100
164 65.5 46.1 86.1
98 33.0 13.8 53.8



#30
1,2,4-Trichlorobenzene
Concen: 42.484 ng
RT: 10.923 min Scan# 1299
Delta R.T. -0.008 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

Tgt Ion:180 Resp: 94865
Ion Ratio Lower Upper
180 100
182 95.8 76.2 114.2
145 29.3 23.9 35.9





#31

Naphthalene

Concen: 41.288 ng

RT: 11.117 min Scan# 11

Delta R.T. -0.008 min

Lab File: BG055439.D

Acq: 3 Nov 2022 15:55

Instrument :

BNA_G

ClientSampleId :

LIDEN-GAS-PIPELINEMSD

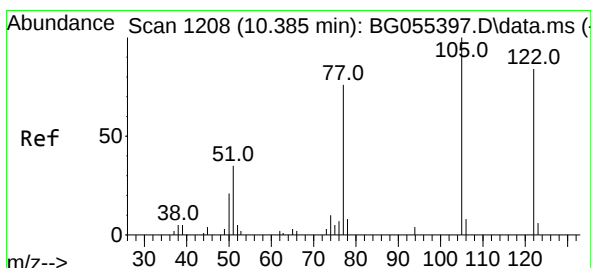
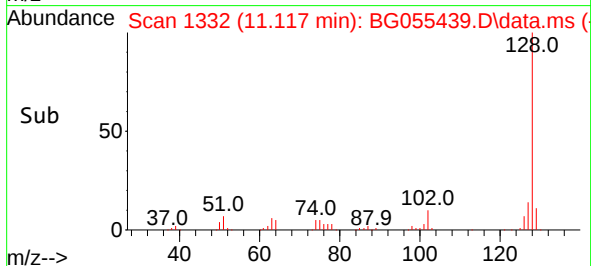
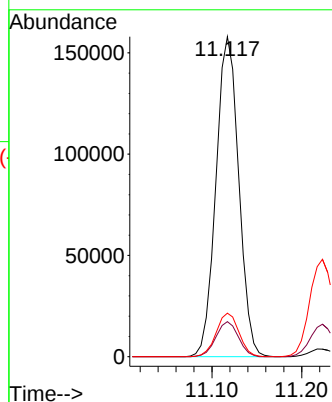
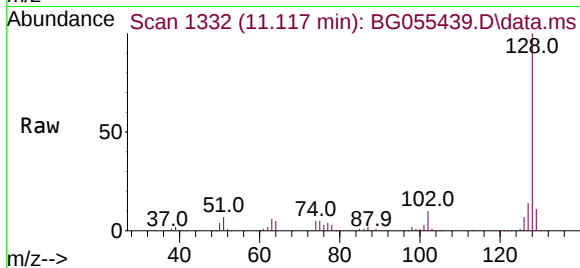
Tgt Ion:128 Resp: 278220

Ion Ratio Lower Upper

128 100

129 10.9 8.8 13.2

127 13.6 10.8 16.2



#32

Benzoic acid

Concen: 42.027 ng

RT: 10.389 min Scan# 1208

Delta R.T. 0.004 min

Lab File: BG055439.D

Acq: 3 Nov 2022 15:55

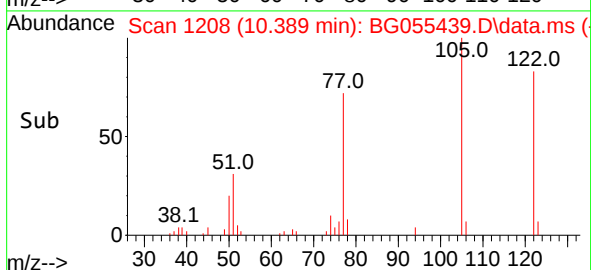
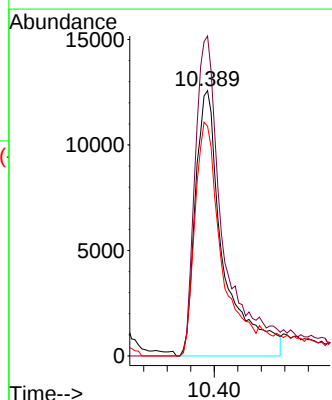
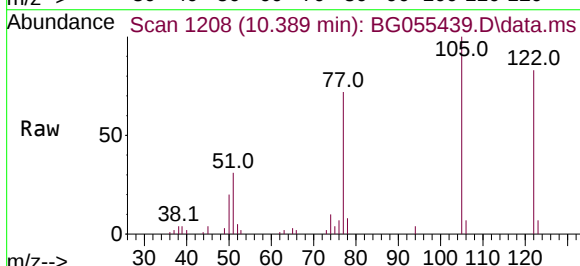
Tgt Ion:122 Resp: 41555

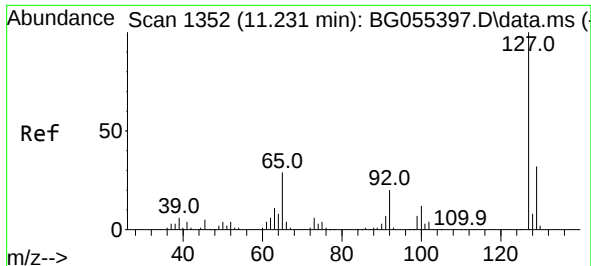
Ion Ratio Lower Upper

122 100

105 120.6 97.4 137.4

77 86.6 69.5 109.5

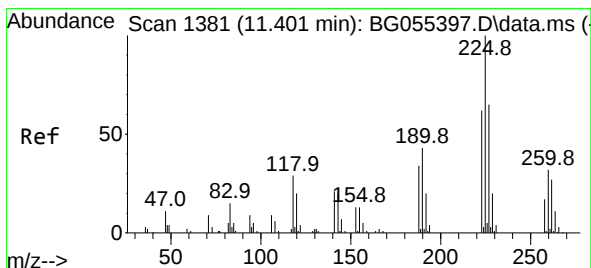
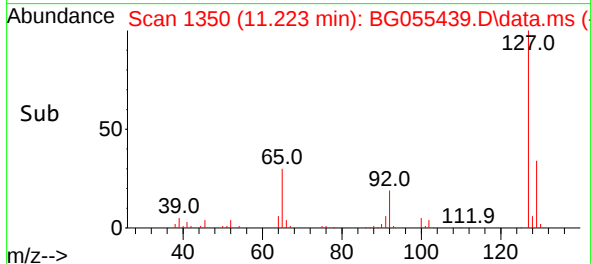
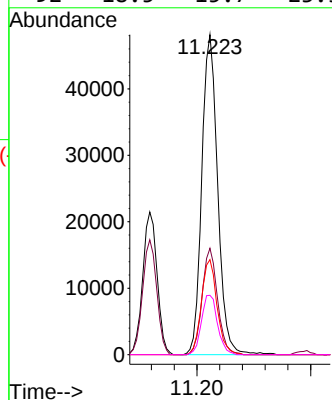
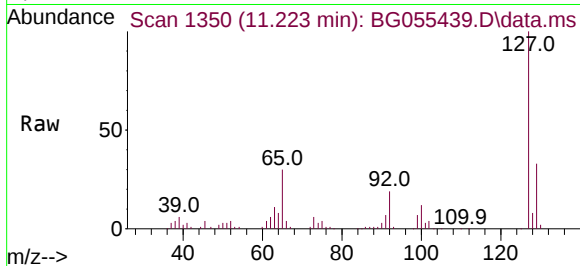




#33
4-Chloroaniline
Concen: 33.368 ng
RT: 11.223 min Scan# 11
Delta R.T. -0.008 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

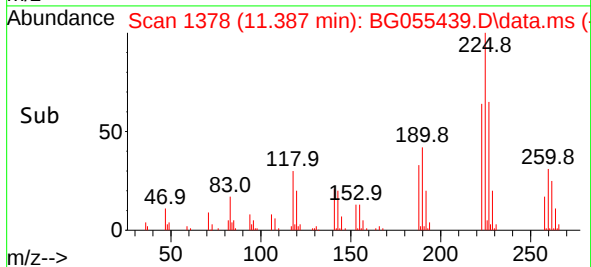
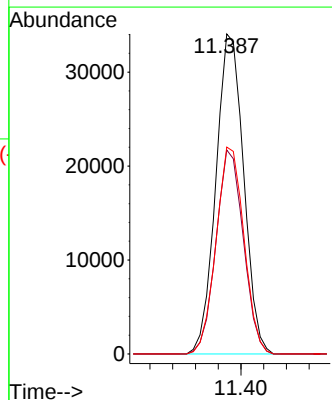
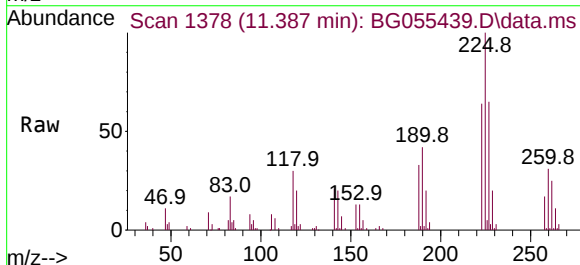
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMSD

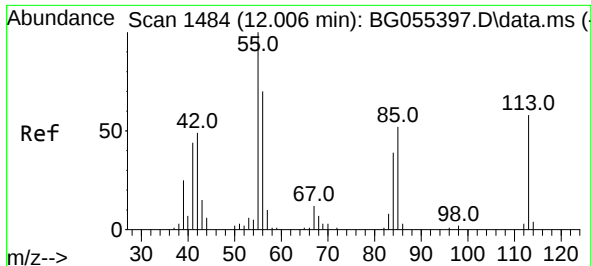
Tgt Ion:	127	Resp:	93428
Ion	Ratio	Lower	Upper
127	100		
129	33.3	25.3	37.9
65	29.7	23.0	34.4
92	18.5	15.7	23.5



#34
Hexachlorobutadiene
Concen: 41.617 ng
RT: 11.387 min Scan# 1378
Delta R.T. -0.014 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

Tgt Ion:	225	Resp:	57763
Ion	Ratio	Lower	Upper
225	100		
223	63.8	49.9	74.9
227	67.7	51.9	77.9

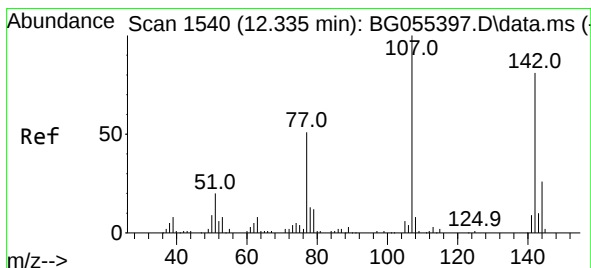
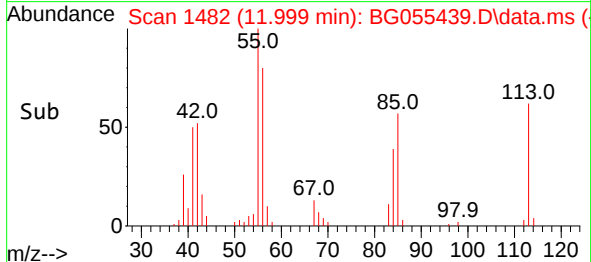
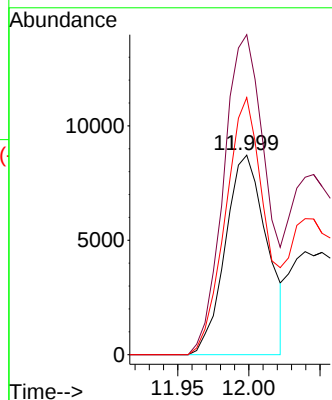
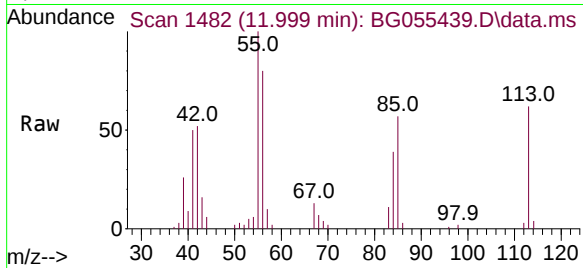




#35
 Caprolactam
 Concen: 23.182 ng
 RT: 11.999 min Scan# 1482
 Delta R.T. -0.008 min
 Lab File: BG055439.D
 Acq: 3 Nov 2022 15:55

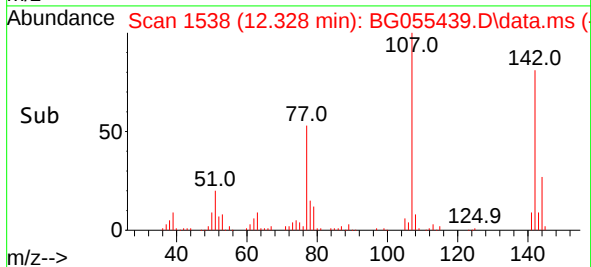
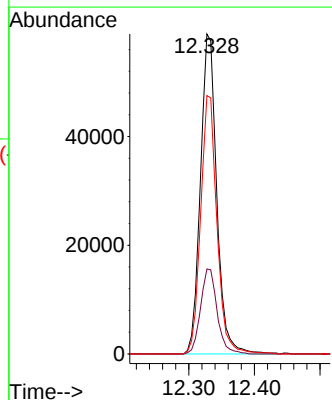
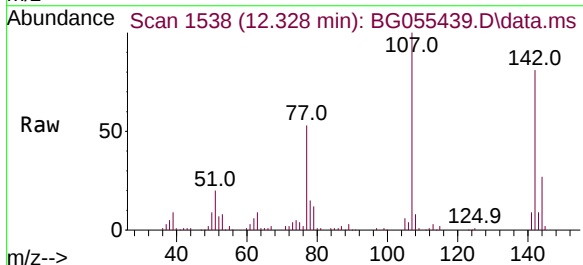
Instrument :
 BNA_G
 ClientSampleId :
 LIDEN-GAS-PIPELINEMSD

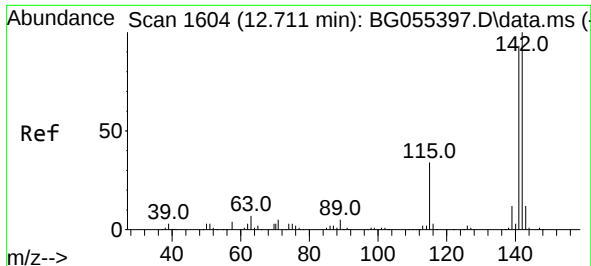
Tgt Ion:113 Resp: 17699
 Ion Ratio Lower Upper
 113 100
 55 160.4 152.6 192.6
 56 128.9 100.5 140.5



#36
 4-Chloro-3-methylphenol
 Concen: 45.186 ng
 RT: 12.328 min Scan# 1538
 Delta R.T. -0.008 min
 Lab File: BG055439.D
 Acq: 3 Nov 2022 15:55

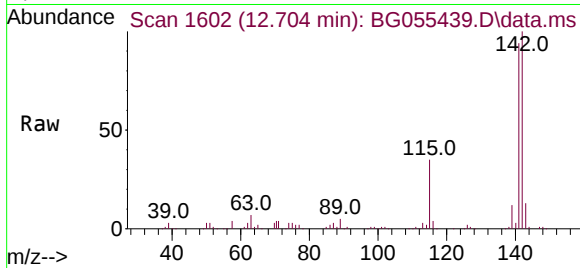
Tgt Ion:107 Resp: 102023
 Ion Ratio Lower Upper
 107 100
 144 26.6 20.6 31.0
 142 80.8 64.7 97.1



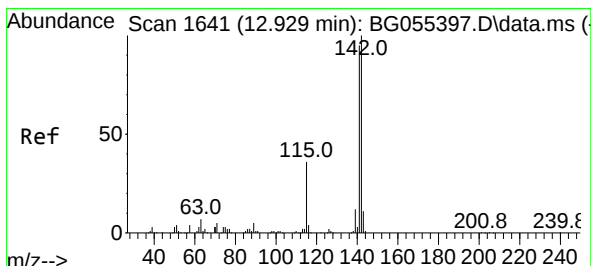
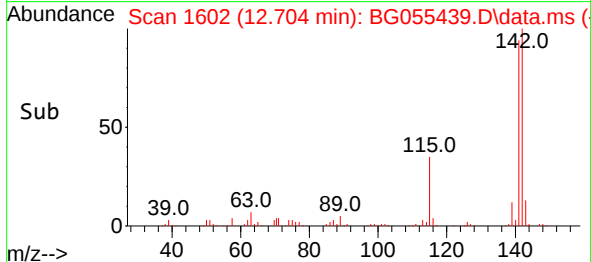
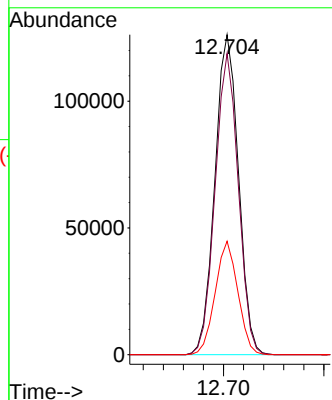


#37
2-Methylnaphthalene
Concen: 41.642 ng
RT: 12.704 min Scan# 1602
Delta R.T. -0.008 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMSD

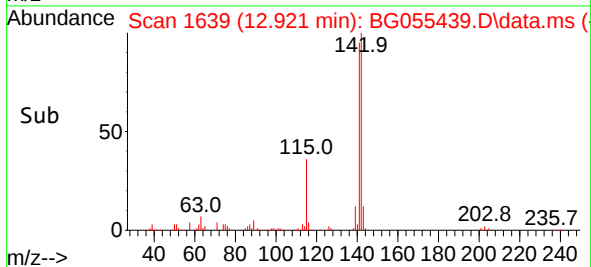
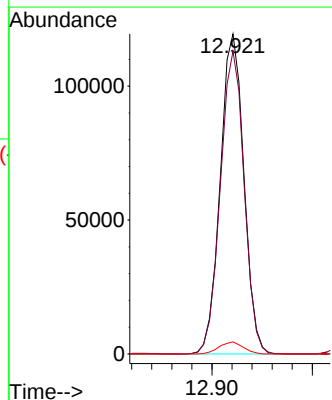
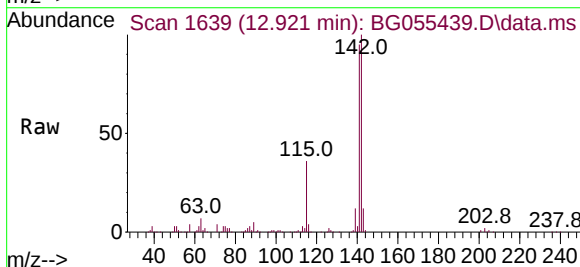


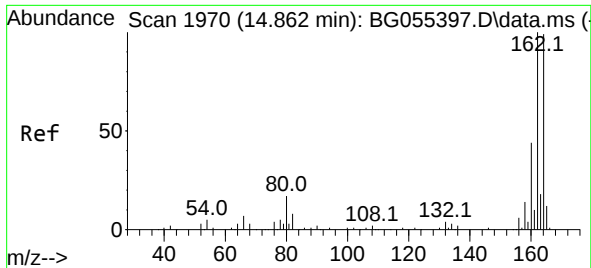
Tgt Ion:142 Resp: 206118
Ion Ratio Lower Upper
142 100
141 94.1 74.5 111.7
115 35.4 27.4 41.2



#38
1-Methylnaphthalene
Concen: 40.387 ng
RT: 12.921 min Scan# 1639
Delta R.T. -0.008 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

Tgt Ion:142 Resp: 194976
Ion Ratio Lower Upper
142 100
141 94.6 76.1 114.1
116 3.8 3.0 4.4

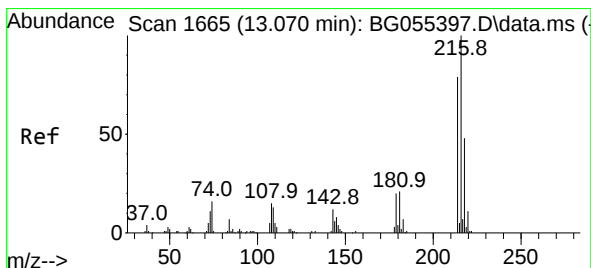
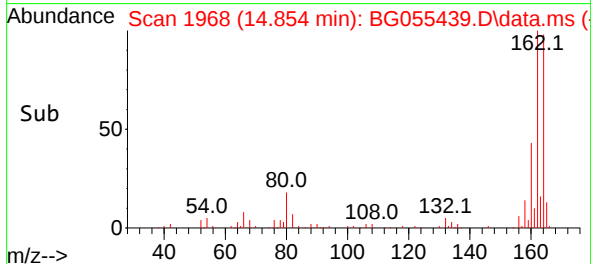
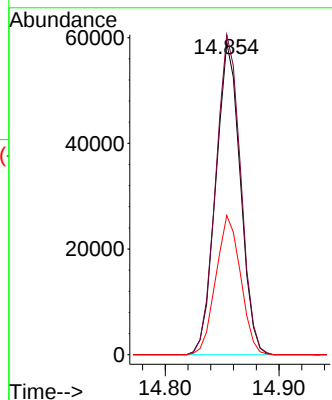
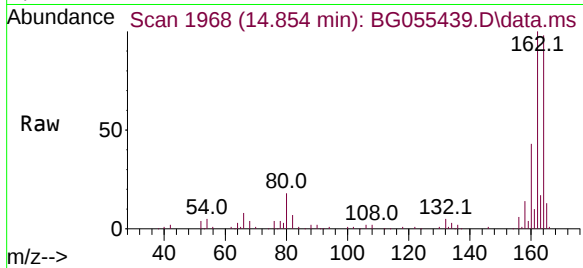




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.854 min Scan# 1970
Delta R.T. -0.008 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

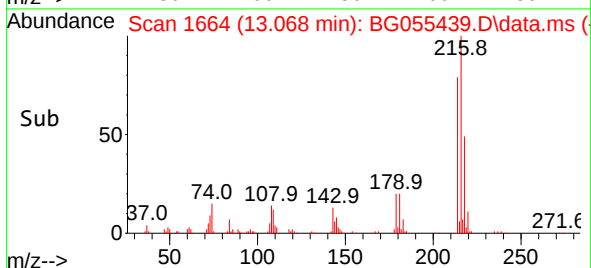
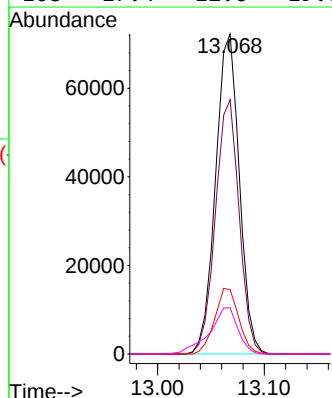
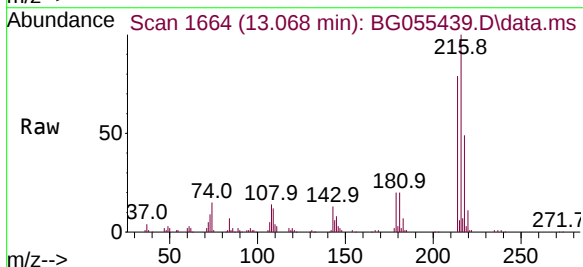
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMSD

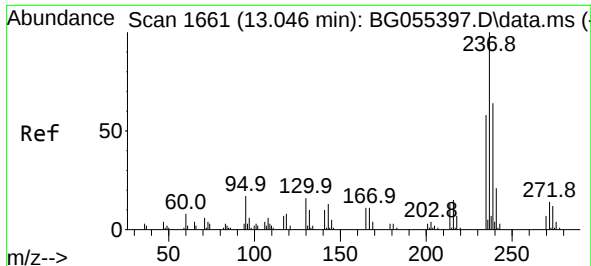
Tgt Ion:164 Resp: 88383
Ion Ratio Lower Upper
164 100
162 102.5 81.1 121.7
160 44.6 35.8 53.6



#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.730 ng
RT: 13.068 min Scan# 1664
Delta R.T. -0.002 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

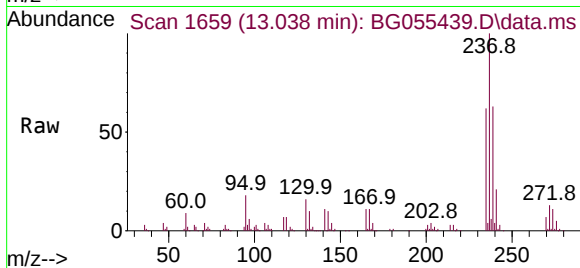
Tgt Ion:216 Resp: 111560
Ion Ratio Lower Upper
216 100
214 79.2 63.4 95.0
179 20.7 16.6 24.8
108 17.4 12.6 19.0



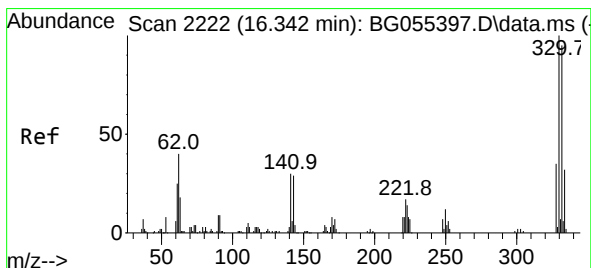
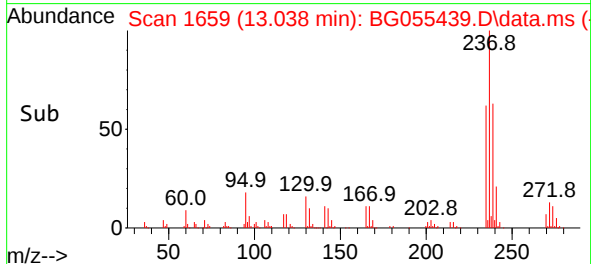
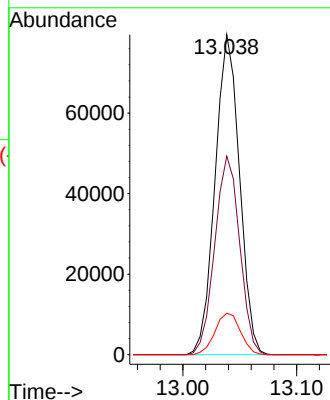


#41
Hexachlorocyclopentadiene
Concen: 93.922 ng
RT: 13.038 min Scan# 1
Delta R.T. -0.008 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMSD

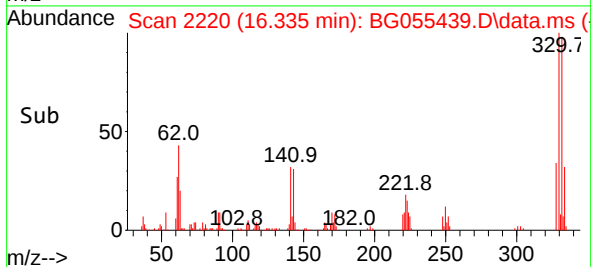
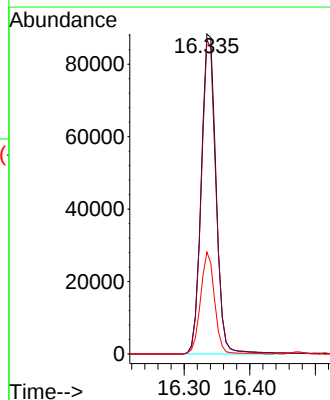
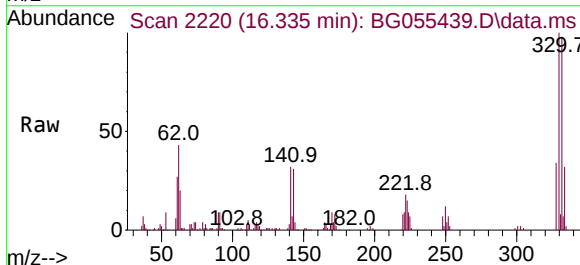


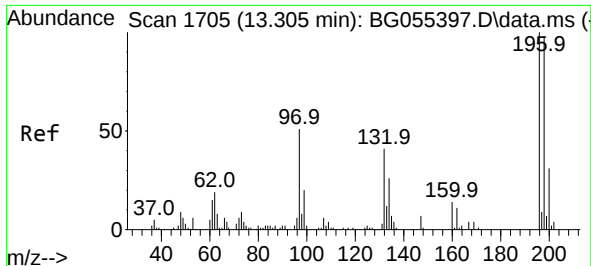
Tgt Ion:237 Resp: 118556
Ion Ratio Lower Upper
237 100
235 62.0 38.1 78.1
272 12.9 0.0 33.7



#42
2,4,6-Tribromophenol
Concen: 115.061 ng
RT: 16.335 min Scan# 2220
Delta R.T. -0.008 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

Tgt Ion:330 Resp: 138713
Ion Ratio Lower Upper
330 100
332 97.1 77.8 116.6
141 30.3 24.2 36.2

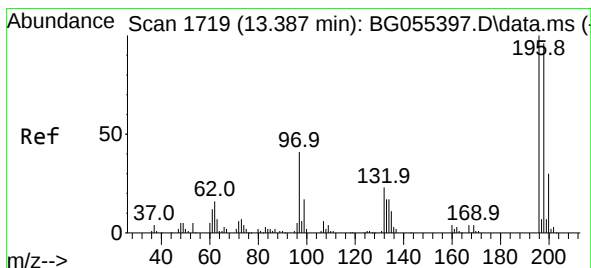
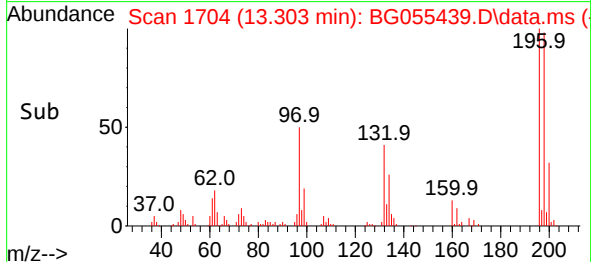
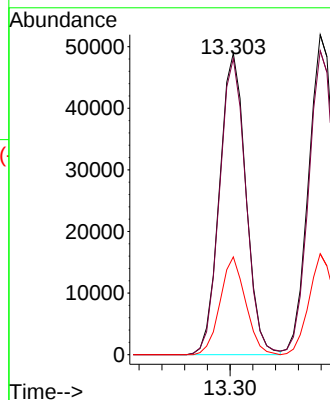
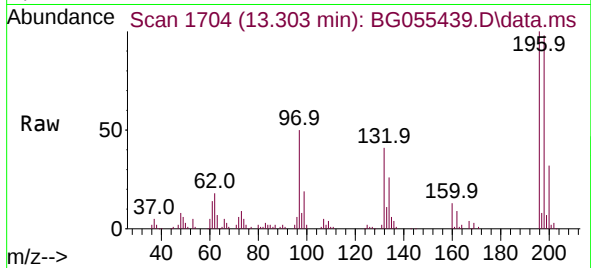




#43
2,4,6-Trichlorophenol
Concen: 43.377 ng
RT: 13.303 min Scan# 1
Delta R.T. -0.002 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

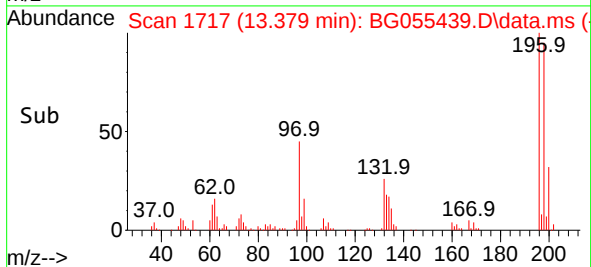
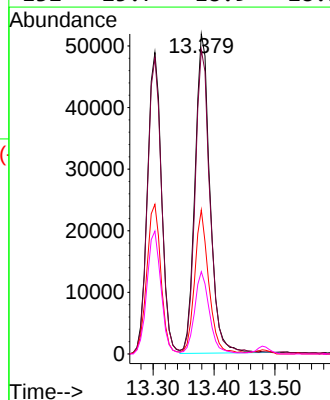
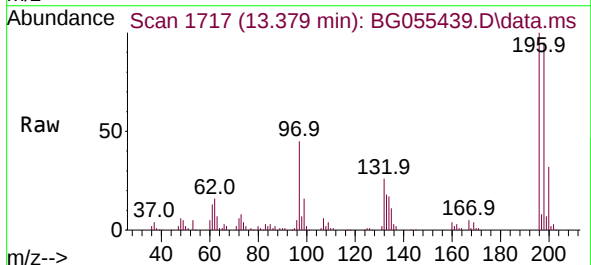
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMSD

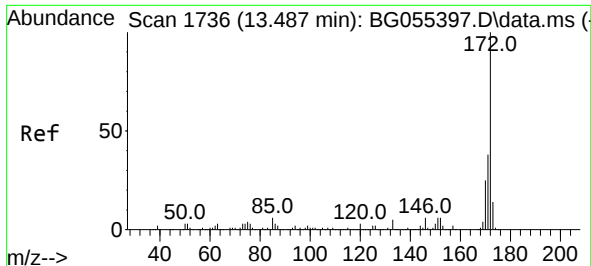
Tgt Ion:196 Resp: 78865
Ion Ratio Lower Upper
196 100
198 98.2 78.8 118.2
200 32.4 25.0 37.6



#44
2,4,5-Trichlorophenol
Concen: 43.619 ng
RT: 13.379 min Scan# 1717
Delta R.T. -0.008 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

Tgt Ion:196 Resp: 88335
Ion Ratio Lower Upper
196 100
198 95.0 76.9 115.3
97 45.0 33.1 49.7
132 25.7 18.9 28.3

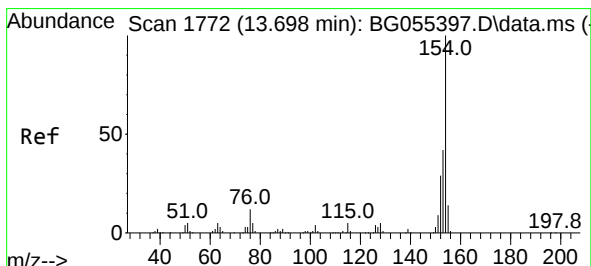
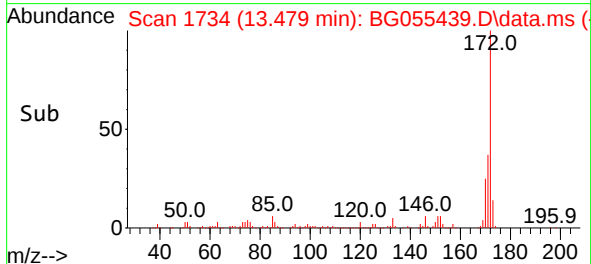
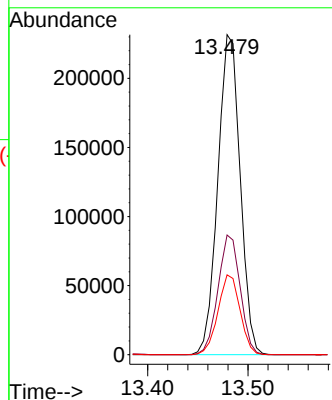
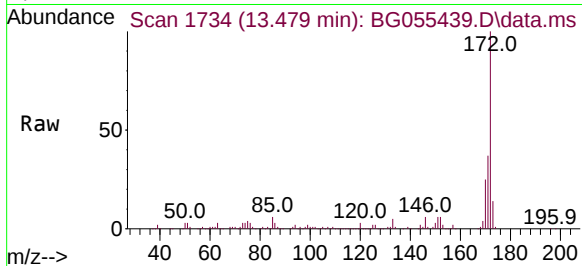




#45
2-Fluorobiphenyl
Concen: 60.043 ng
RT: 13.479 min Scan# 1736
Delta R.T. -0.008 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

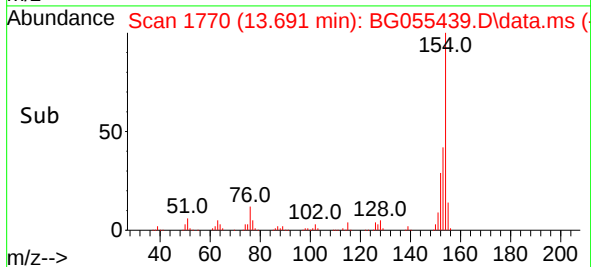
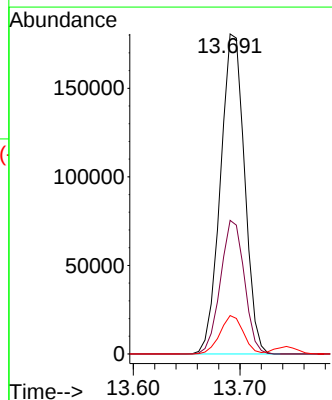
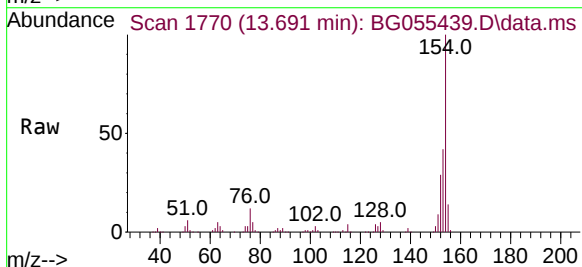
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMSD

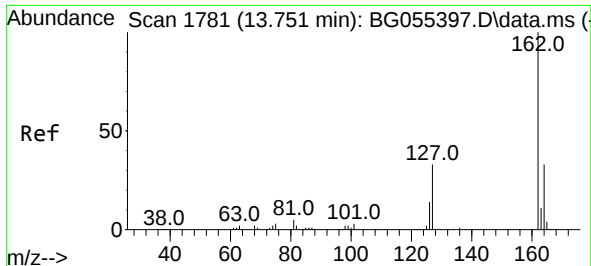
Tgt Ion:172 Resp: 357923
Ion Ratio Lower Upper
172 100
171 37.4 30.2 45.2
170 25.0 20.2 30.2



#46
1,1'-Biphenyl
Concen: 43.603 ng
RT: 13.691 min Scan# 1770
Delta R.T. -0.008 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

Tgt Ion:154 Resp: 283575
Ion Ratio Lower Upper
154 100
153 41.8 21.6 61.6
76 12.0 0.0 32.0

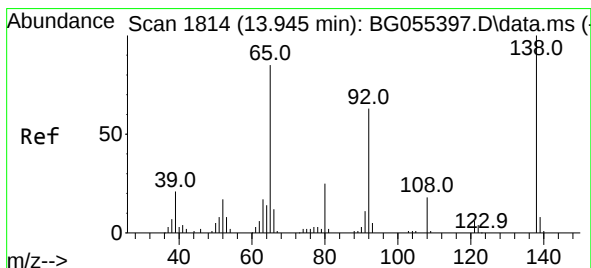
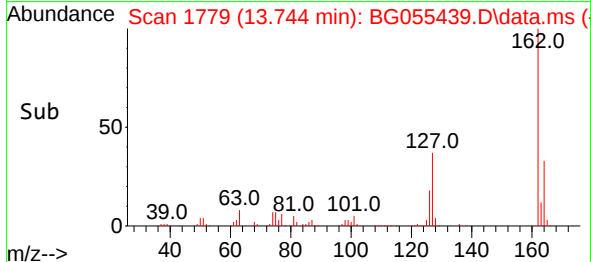
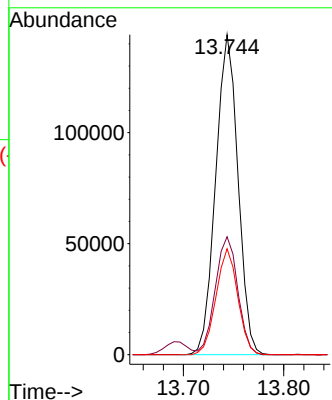
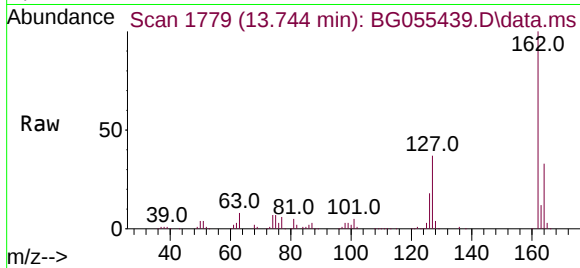




#47
2-Chloronaphthalene
Concen: 42.429 ng
RT: 13.744 min Scan# 1
Delta R.T. -0.007 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

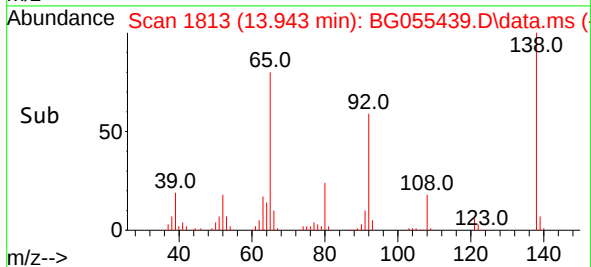
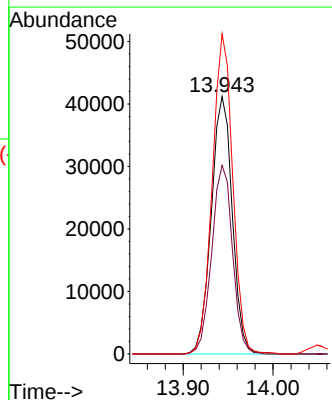
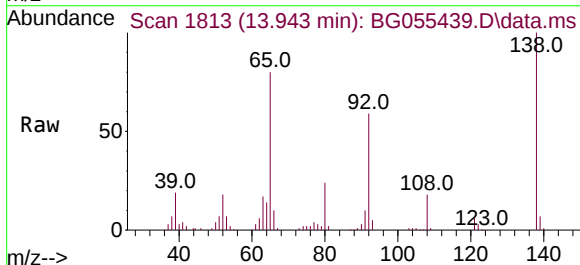
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMSD

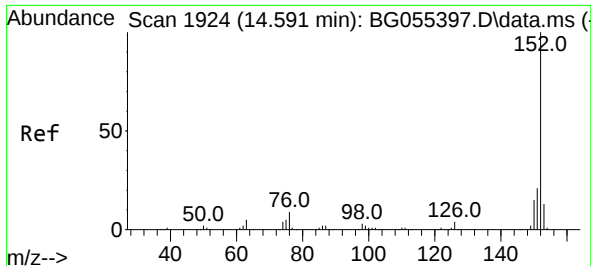
Tgt Ion:162 Resp: 221724
Ion Ratio Lower Upper
162 100
127 36.8 29.8 44.8
164 33.1 26.4 39.6



#48
2-Nitroaniline
Concen: 41.698 ng
RT: 13.943 min Scan# 1813
Delta R.T. -0.002 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

Tgt Ion: 65 Resp: 66929
Ion Ratio Lower Upper
65 100
92 73.3 59.4 89.0
138 124.4 93.8 140.8

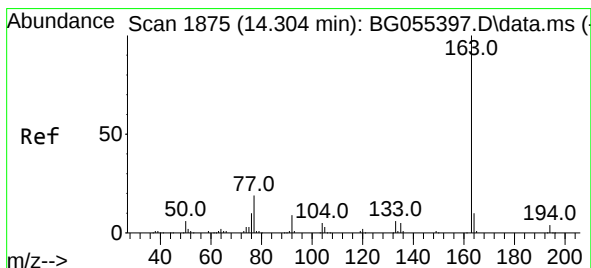
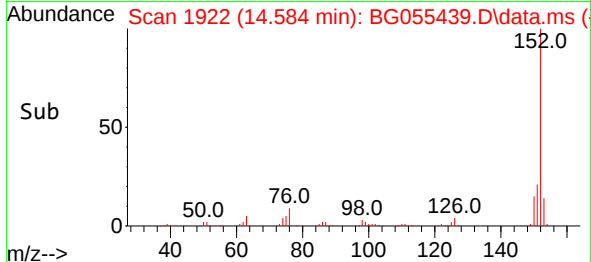
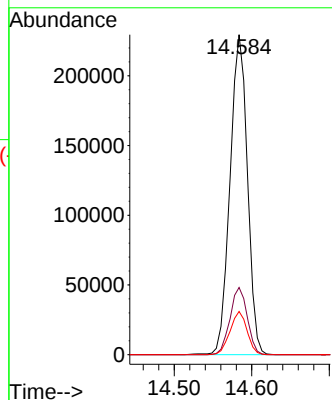
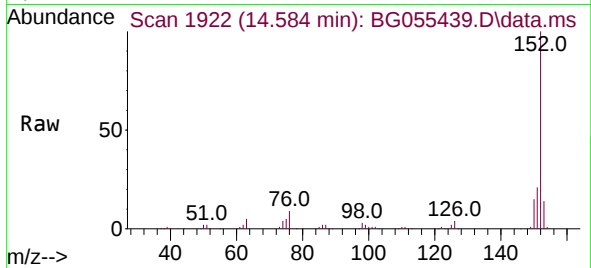




#49
Acenaphthylene
Concen: 41.767 ng
RT: 14.584 min Scan# 1924
Delta R.T. -0.007 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

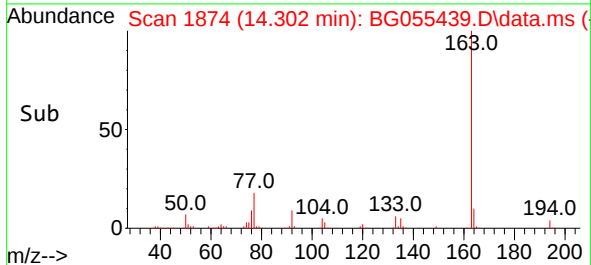
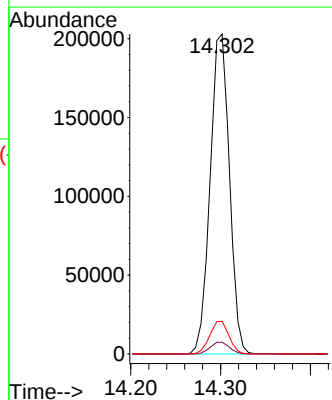
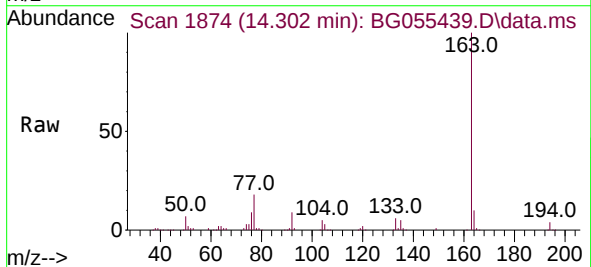
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMSD

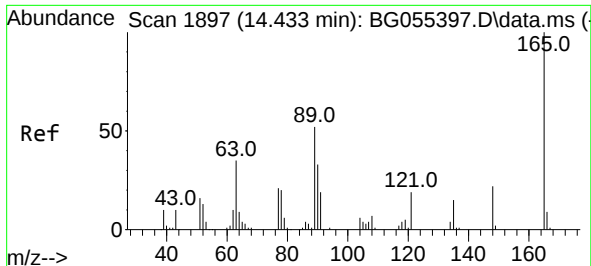
Tgt Ion:152 Resp: 358390
Ion Ratio Lower Upper
152 100
151 21.0 16.7 25.1
153 13.5 10.7 16.1



#50
Dimethylphthalate
Concen: 41.058 ng
RT: 14.302 min Scan# 1874
Delta R.T. -0.002 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

Tgt Ion:163 Resp: 302906
Ion Ratio Lower Upper
163 100
194 3.7 3.2 4.8
164 10.3 8.2 12.2

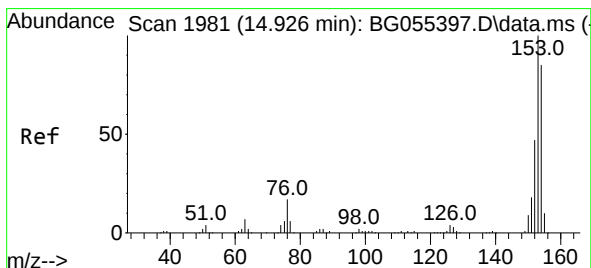
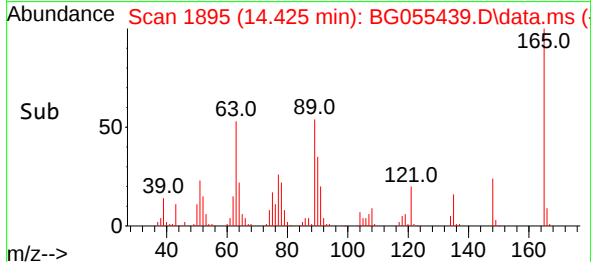
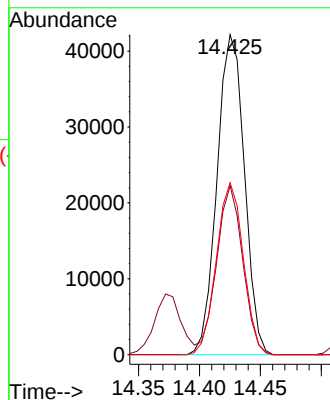
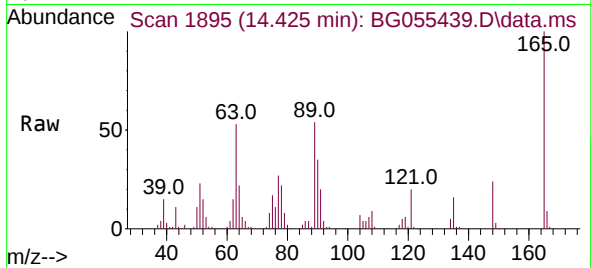




#51
2,6-Dinitrotoluene
Concen: 42.746 ng
RT: 14.425 min Scan# 1895
Delta R.T. -0.008 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

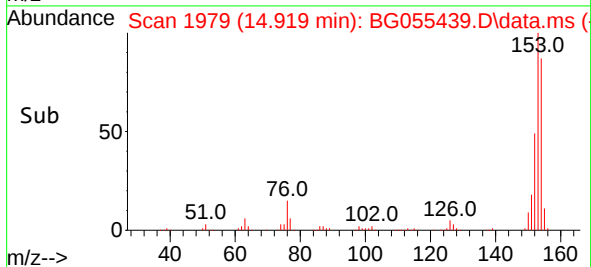
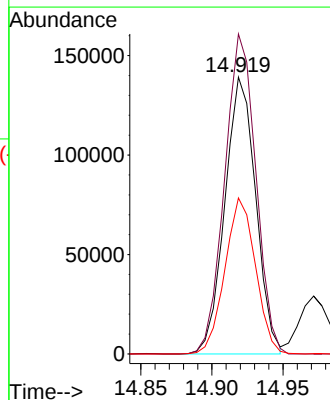
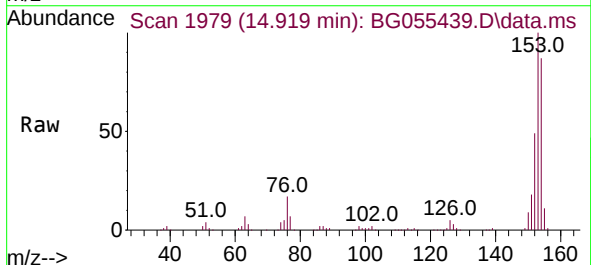
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMSD

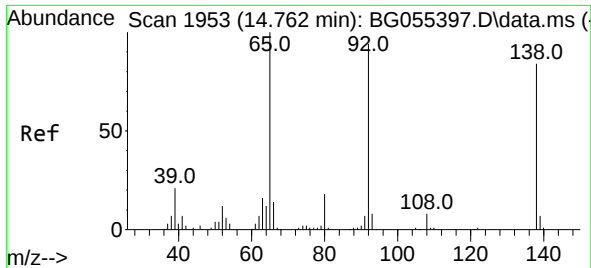
Tgt Ion:165 Resp: 66021
Ion Ratio Lower Upper
165 100
63 52.8 38.2 57.4
89 53.7 41.8 62.6



#52
Acenaphthene
Concen: 41.205 ng
RT: 14.919 min Scan# 1979
Delta R.T. -0.008 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

Tgt Ion:154 Resp: 210432
Ion Ratio Lower Upper
154 100
153 115.6 94.6 141.8
152 56.4 44.7 67.1

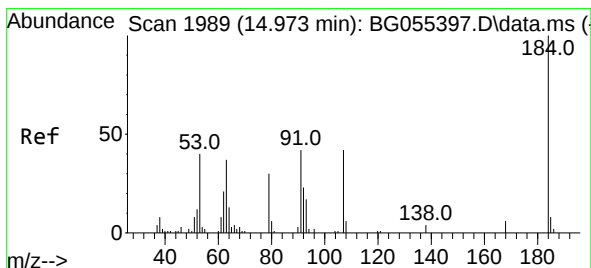
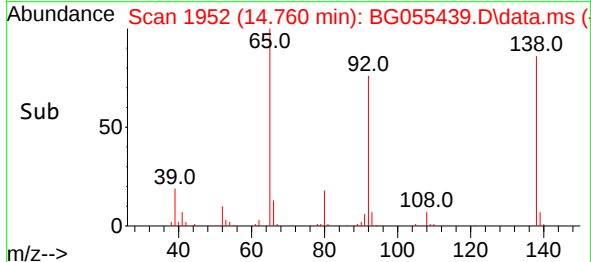
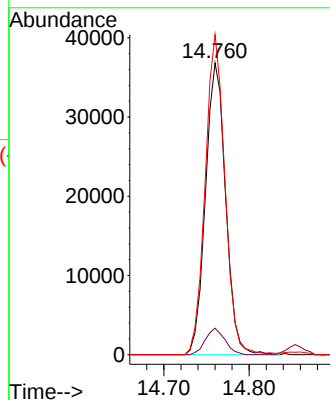
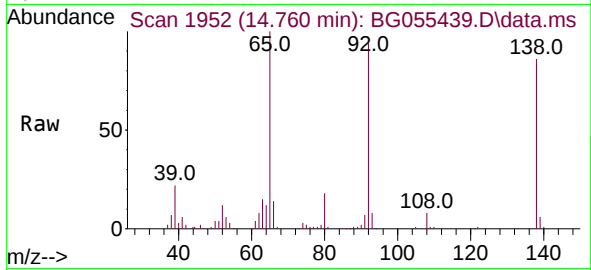




#53
3-Nitroaniline
Concen: 34.808 ng
RT: 14.760 min Scan# 1953
Delta R.T. -0.002 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

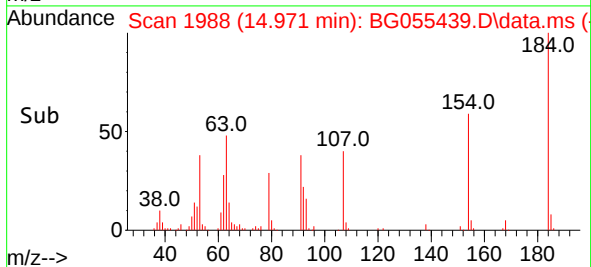
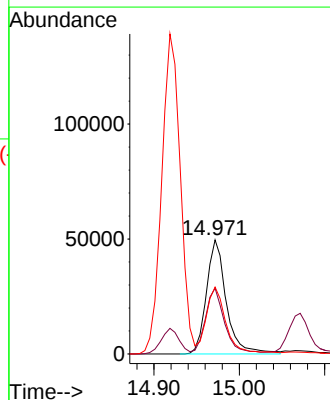
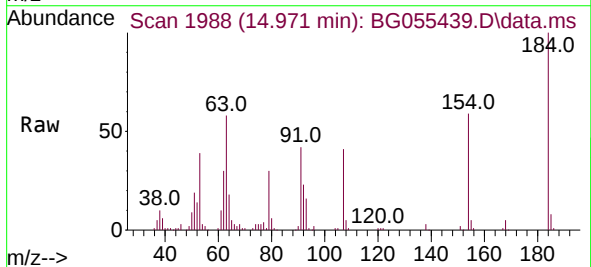
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMSD

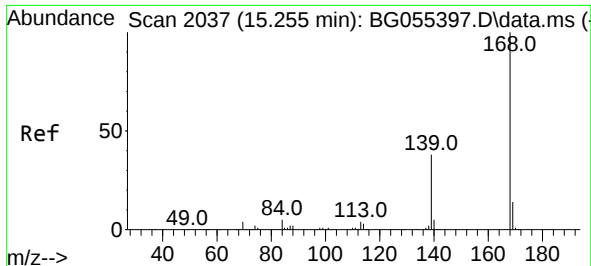
Tgt Ion:138 Resp: 60423
Ion Ratio Lower Upper
138 100
108 9.1 7.4 11.0
92 109.7 89.1 133.7



#54
2,4-Dinitrophenol
Concen: 85.830 ng
RT: 14.971 min Scan# 1988
Delta R.T. -0.002 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

Tgt Ion:184 Resp: 80498
Ion Ratio Lower Upper
184 100
63 57.6 47.4 71.0
154 58.6 47.0 70.6

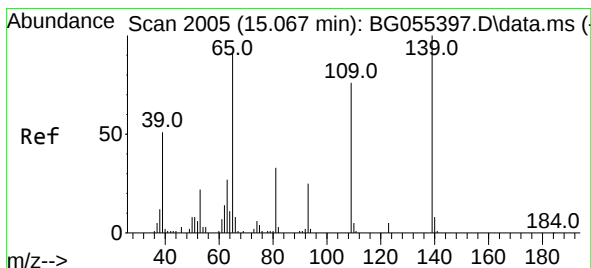
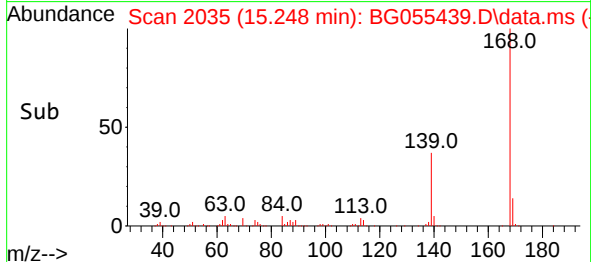
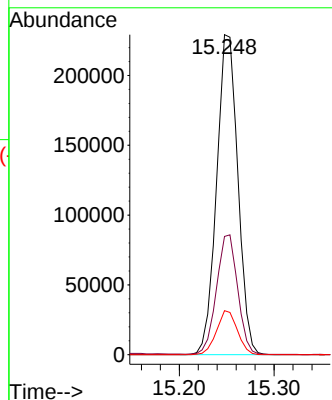
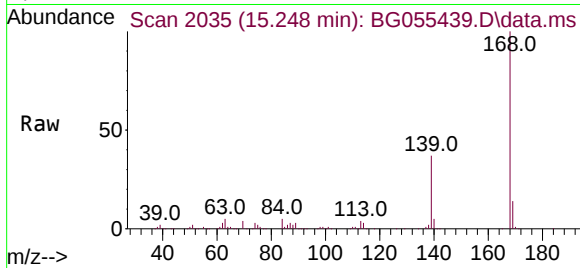




#55
Dibenzenofuran
Concen: 42.301 ng
RT: 15.248 min Scan# 2035
Delta R.T. -0.007 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

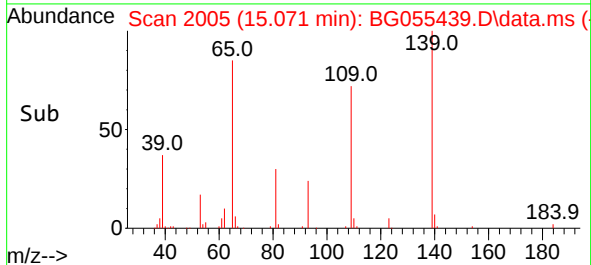
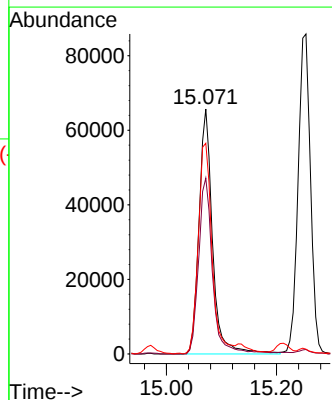
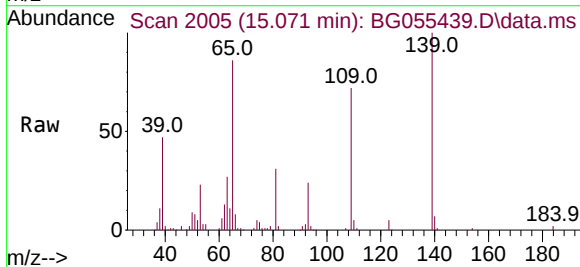
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMSD

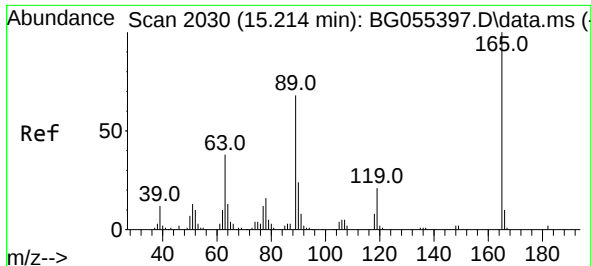
Tgt Ion:168 Resp: 357572
Ion Ratio Lower Upper
168 100
139 37.0 30.3 45.5
169 13.8 10.8 16.2



#56
4-Nitrophenol
Concen: 94.588 ng
RT: 15.071 min Scan# 2005
Delta R.T. 0.004 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

Tgt Ion:139 Resp: 112582
Ion Ratio Lower Upper
139 100
109 71.8 56.1 96.1
65 86.0 71.2 111.2





#57

2,4-Dinitrotoluene

Concen: 44.212 ng

RT: 15.212 min Scan# 2030

Delta R.T. -0.002 min

Lab File: BG055439.D

Acq: 3 Nov 2022 15:55

Instrument :

BNA_G

ClientSampleId :

LIDEN-GAS-PIPELINEMSD

Tgt Ion:165 Resp: 97638

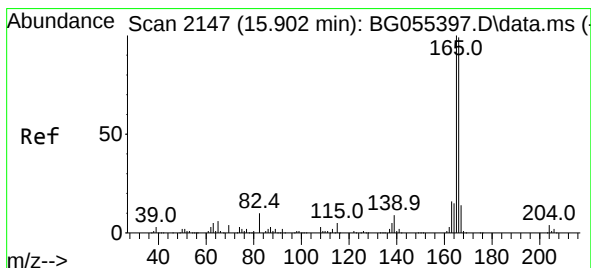
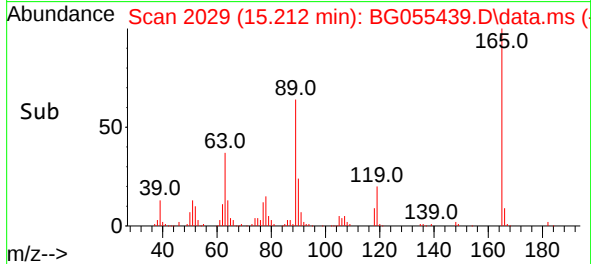
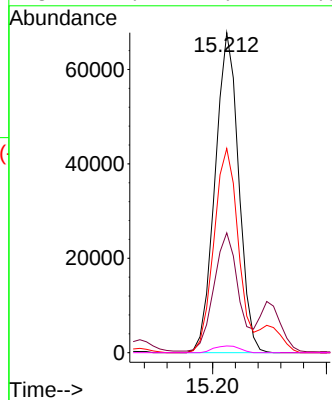
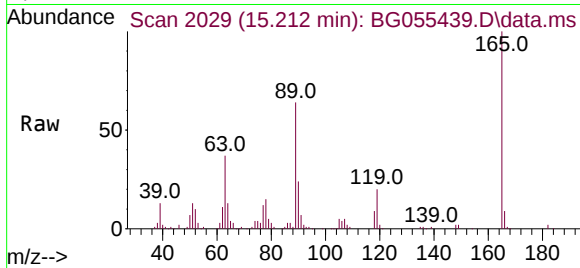
Ion Ratio Lower Upper

165 100

63 37.5 30.8 46.2

89 63.8 54.5 81.7

182 2.1 1.7 2.5



#58

Fluorene

Concen: 41.833 ng

RT: 15.894 min Scan# 2145

Delta R.T. -0.008 min

Lab File: BG055439.D

Acq: 3 Nov 2022 15:55

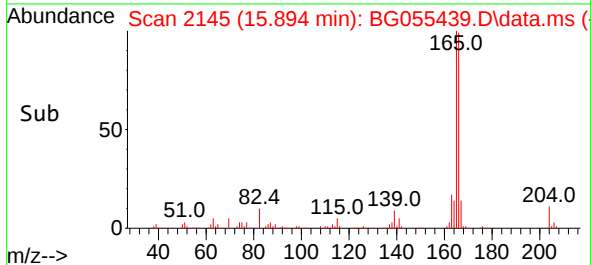
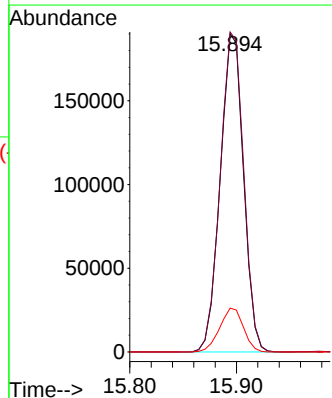
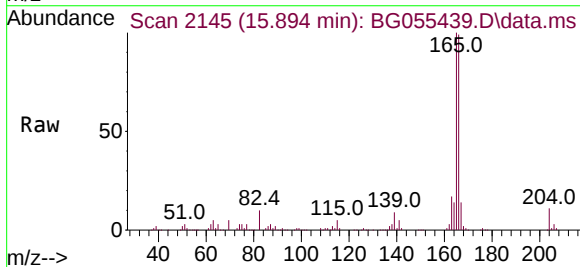
Tgt Ion:166 Resp: 287267

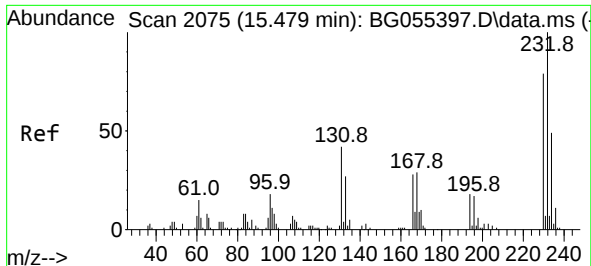
Ion Ratio Lower Upper

166 100

165 100.5 81.0 121.6

167 13.8 11.0 16.6





#59

2,3,4,6-Tetrachlorophenol

Concen: 43.495 ng

RT: 15.477 min Scan# 2075

Delta R.T. -0.002 min

Lab File: BG055439.D

Acq: 3 Nov 2022 15:55

Instrument :

BNA_G

ClientSampleId :

LIDEN-GAS-PIPELINEMSD

Tgt Ion:232 Resp: 79202

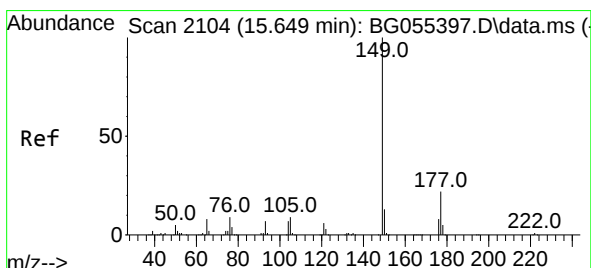
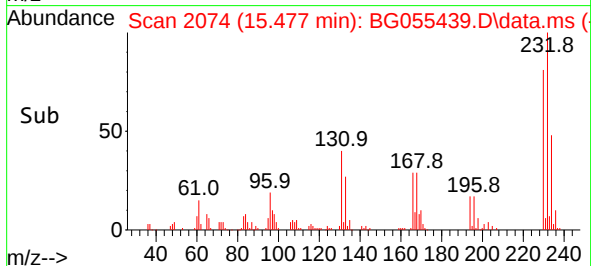
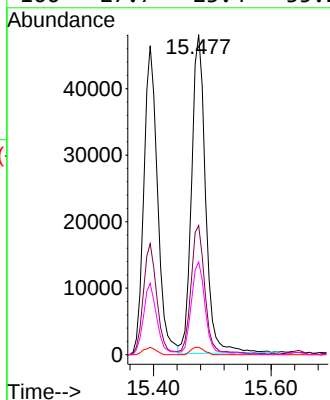
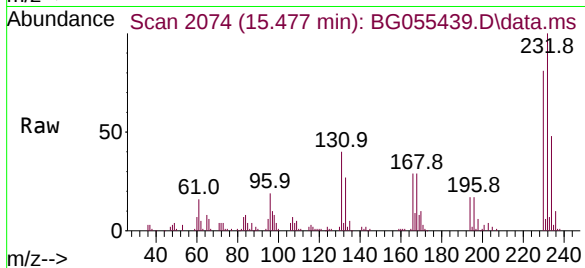
Ion Ratio Lower Upper

232 100

131 39.7 33.1 49.7

130 2.2 1.6 2.4

166 27.7 23.4 35.2



#60

Diethylphthalate

Concen: 40.827 ng

RT: 15.647 min Scan# 2103

Delta R.T. -0.002 min

Lab File: BG055439.D

Acq: 3 Nov 2022 15:55

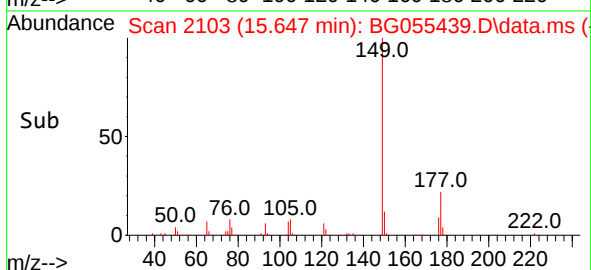
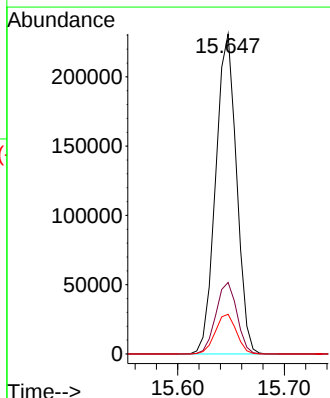
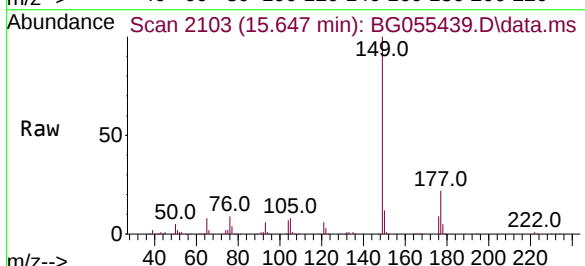
Tgt Ion:149 Resp: 313014

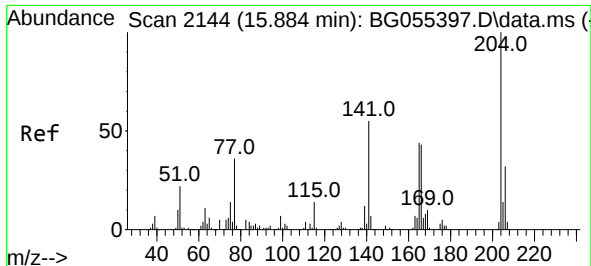
Ion Ratio Lower Upper

149 100

177 22.3 17.7 26.5

150 12.4 10.0 15.0

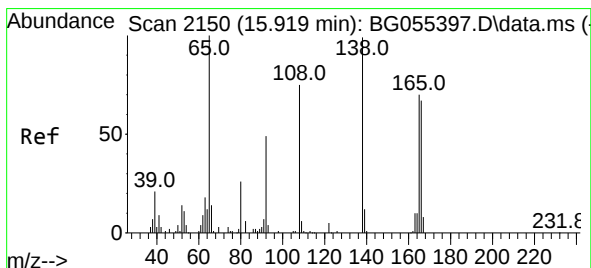
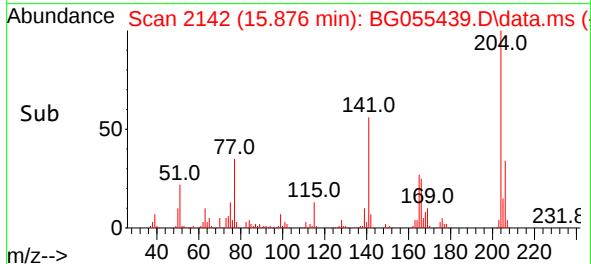
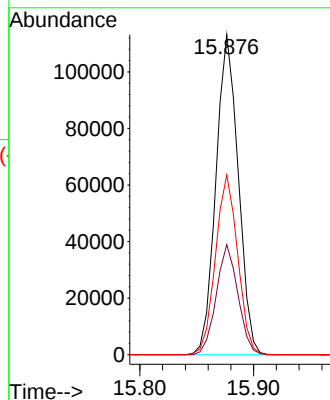
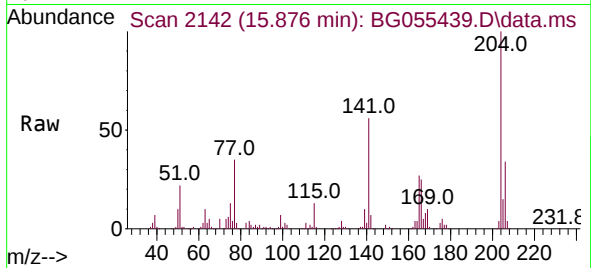




#61
4-Chlorophenyl-phenylether
Concen: 43.465 ng
RT: 15.876 min Scan# 2142
Delta R.T. -0.008 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

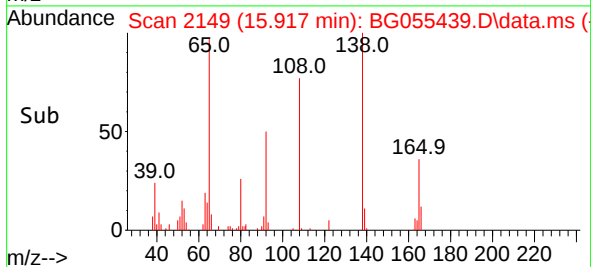
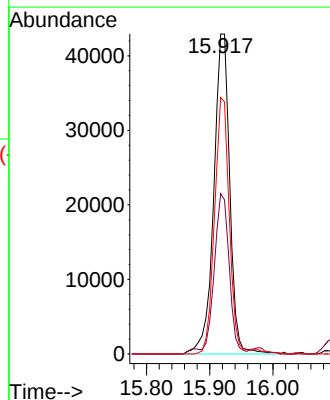
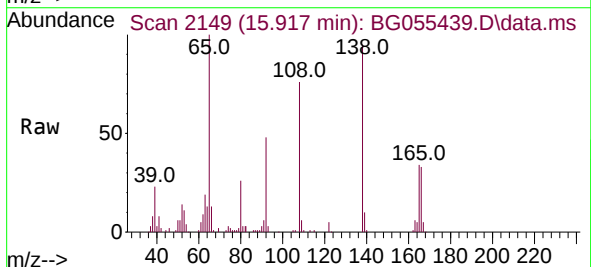
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMSD

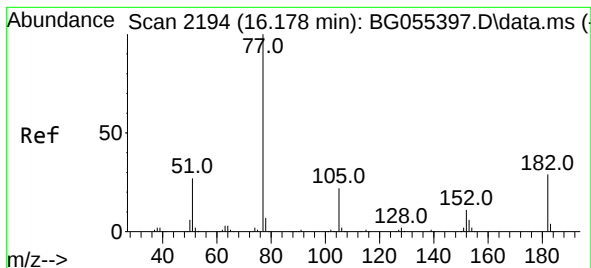
Tgt Ion:204 Resp: 154309
Ion Ratio Lower Upper
204 100
206 34.4 25.8 38.8
141 56.2 44.0 66.0



#62
4-Nitroaniline
Concen: 41.066 ng
RT: 15.917 min Scan# 2149
Delta R.T. -0.002 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

Tgt Ion:138 Resp: 75419
Ion Ratio Lower Upper
138 100
92 50.1 29.2 69.2
108 80.2 55.9 95.9





#63

Azobenzene

Concen: 41.034 ng

RT: 16.170 min Scan# 2194

Delta R.T. -0.008 min

Lab File: BG055439.D

Acq: 3 Nov 2022 15:55

Instrument :

BNA_G

ClientSampleId :

LIDEN-GAS-PIPELINEMSD

Tgt Ion: 77 Resp: 261512

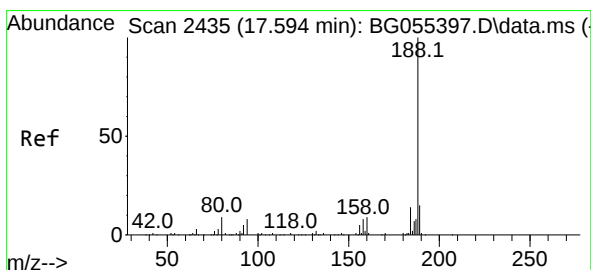
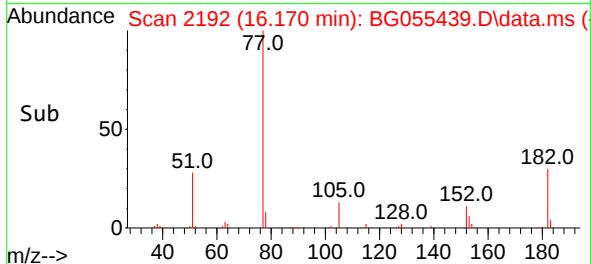
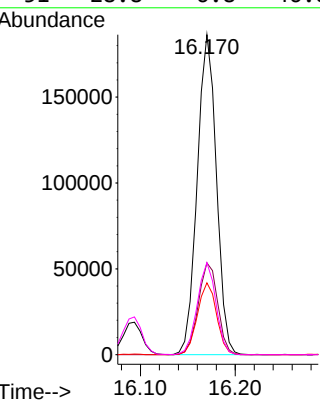
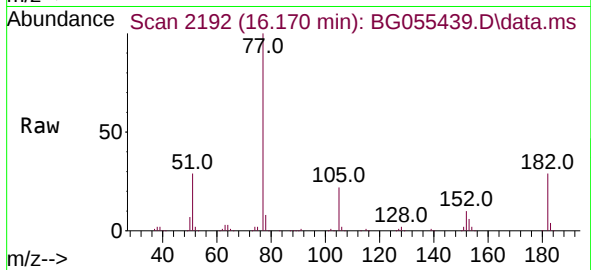
Ion Ratio Lower Upper

77 100

182 28.7 9.0 49.0

105 22.5 2.2 42.2

51 28.8 6.8 46.8



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.592 min Scan# 2434

Delta R.T. -0.002 min

Lab File: BG055439.D

Acq: 3 Nov 2022 15:55

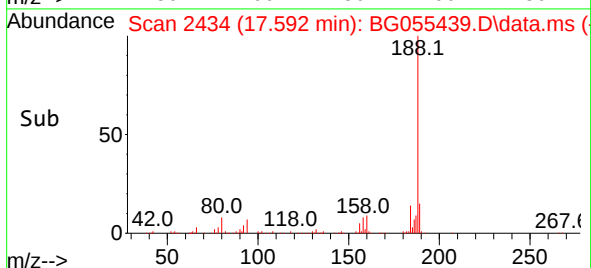
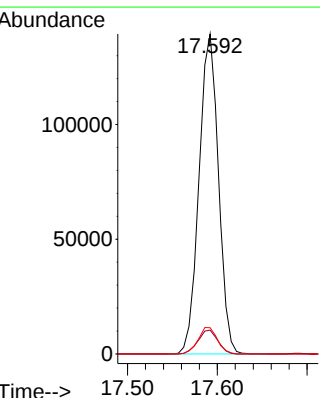
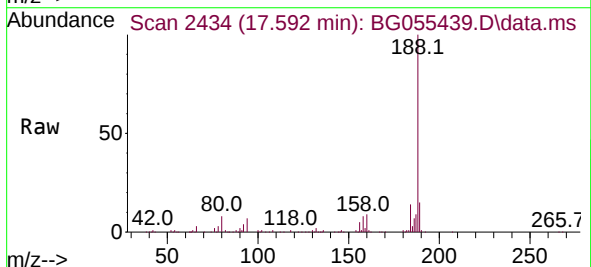
Tgt Ion:188 Resp: 209015

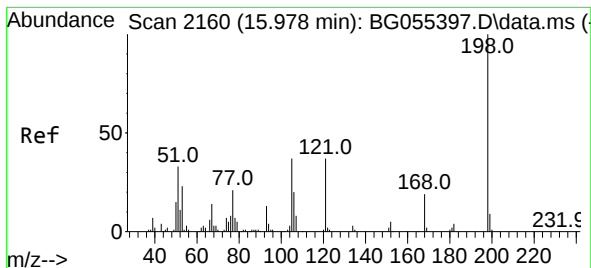
Ion Ratio Lower Upper

188 100

94 7.5 6.5 9.7

80 8.2 7.4 11.0

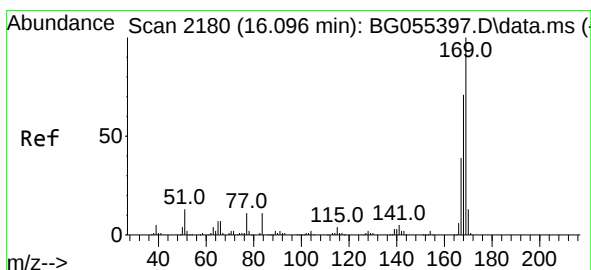
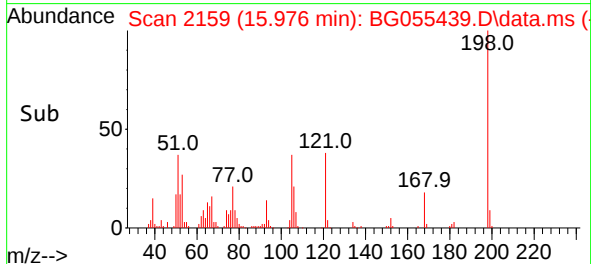
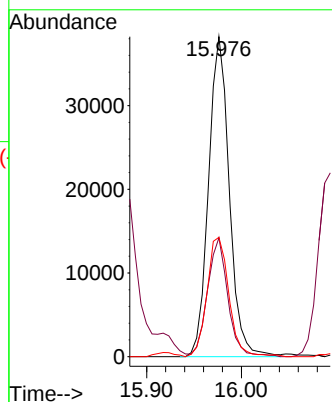
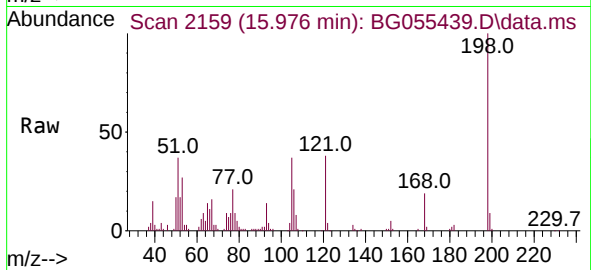




#65
4,6-Dinitro-2-methylphenol
Concen: 43.174 ng
RT: 15.976 min Scan# 2160
Delta R.T. -0.002 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

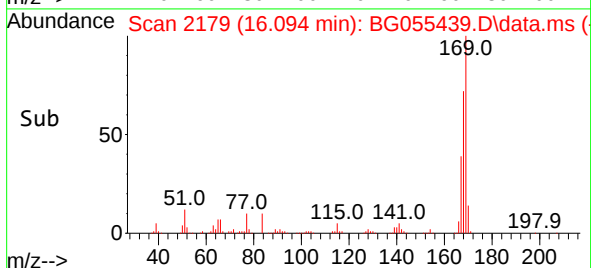
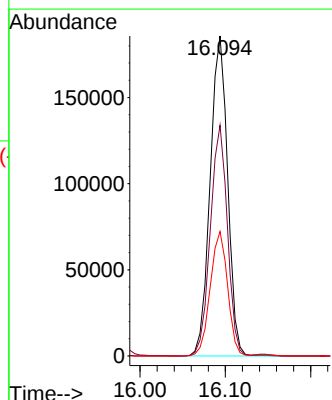
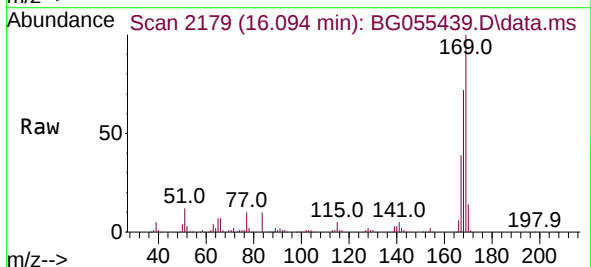
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMSD

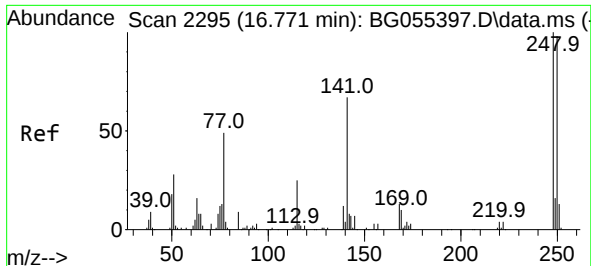
Tgt Ion:198 Resp: 58127
Ion Ratio Lower Upper
198 100
51 37.1 14.8 54.8
105 37.3 17.6 57.6



#66
n-Nitrosodiphenylamine
Concen: 42.475 ng
RT: 16.094 min Scan# 2179
Delta R.T. -0.002 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

Tgt Ion:169 Resp: 263948
Ion Ratio Lower Upper
169 100
168 72.1 57.0 85.4
167 38.9 31.0 46.6

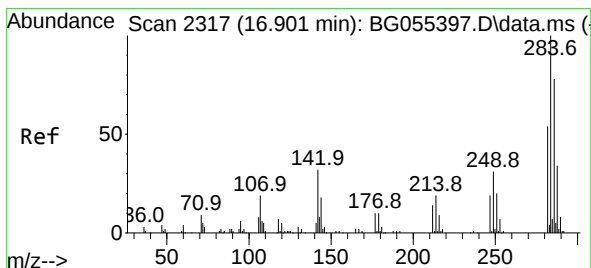
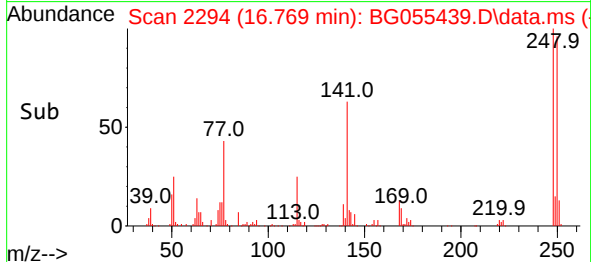
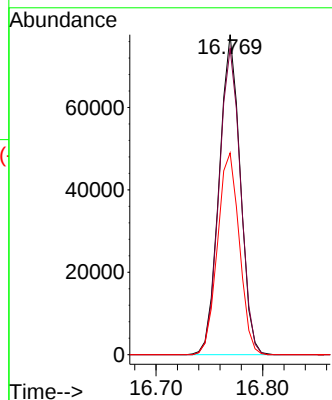
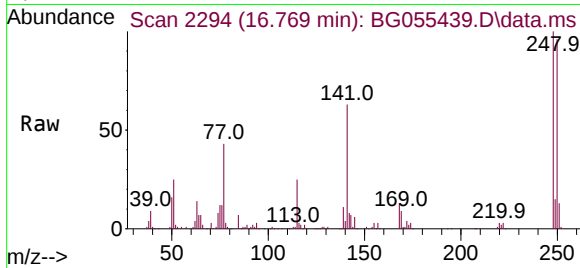




#67
4-Bromophenyl-phenylether
Concen: 43.126 ng
RT: 16.769 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

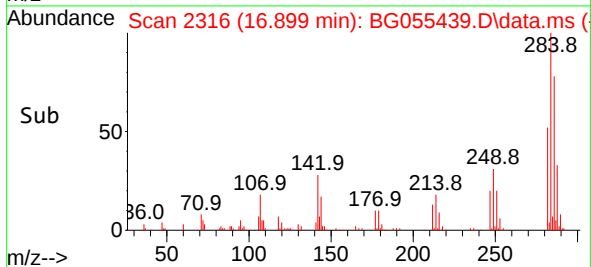
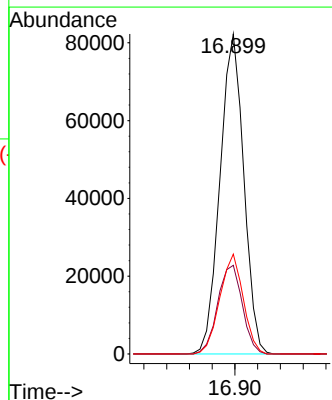
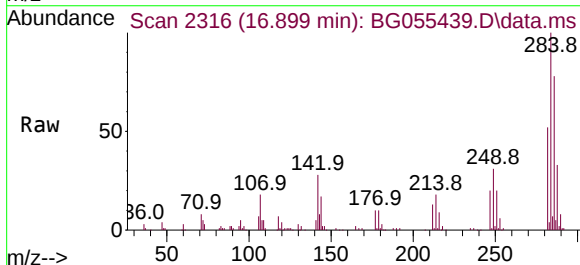
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMSD

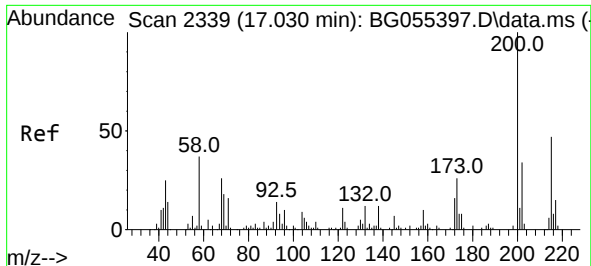
Tgt Ion:248 Resp: 106554
Ion Ratio Lower Upper
248 100
250 95.7 78.3 117.5
141 63.1 53.7 80.5



#68
Hexachlorobenzene
Concen: 42.399 ng
RT: 16.899 min Scan# 2316
Delta R.T. -0.002 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

Tgt Ion:284 Resp: 119465
Ion Ratio Lower Upper
284 100
142 27.7 25.4 38.2
249 31.2 24.9 37.3

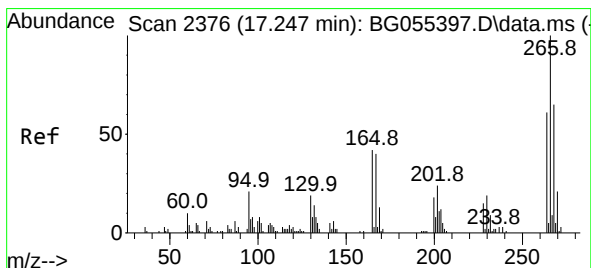
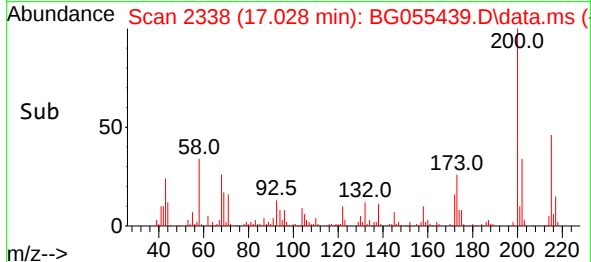
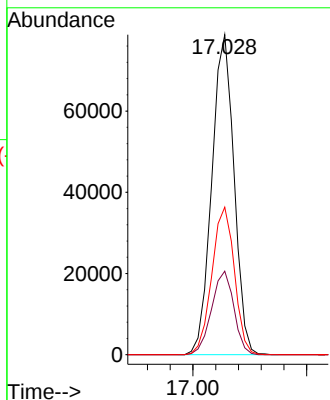
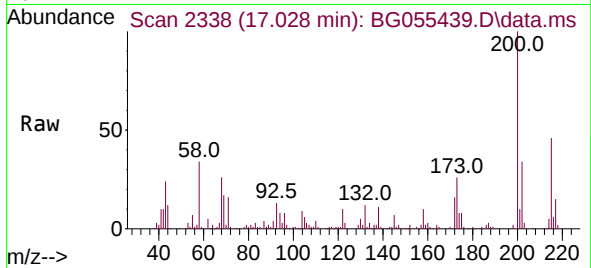




#69
 Atrazine
 Concen: 51.344 ng
 RT: 17.028 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG055439.D
 Acq: 3 Nov 2022 15:55

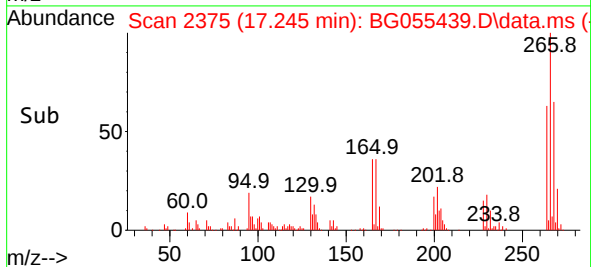
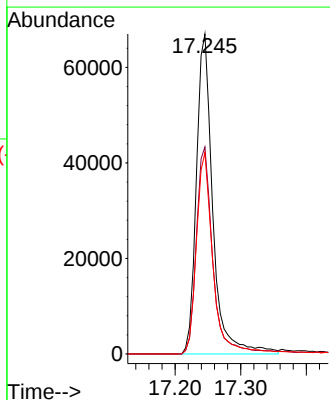
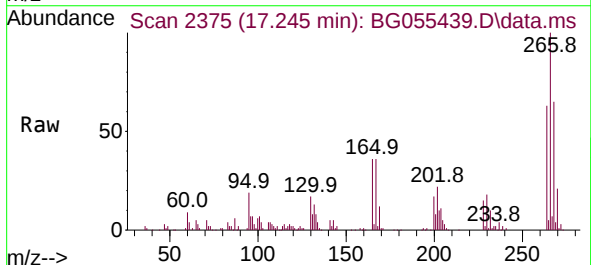
Instrument :
 BNA_G
 ClientSampleId :
 LIDEN-GAS-PIPELINEMSD

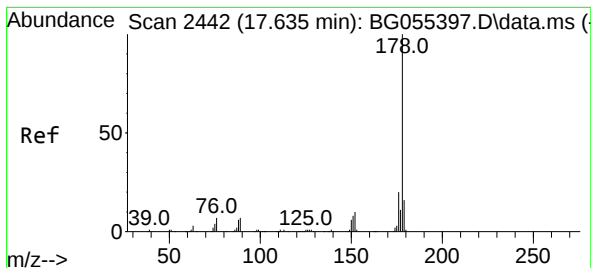
Tgt Ion:200 Resp: 107117
 Ion Ratio Lower Upper
 200 100
 173 26.1 5.8 45.8
 215 46.1 27.4 67.4



#70
 Pentachlorophenol
 Concen: 80.003 ng
 RT: 17.245 min Scan# 2375
 Delta R.T. -0.002 min
 Lab File: BG055439.D
 Acq: 3 Nov 2022 15:55

Tgt Ion:266 Resp: 116833
 Ion Ratio Lower Upper
 266 100
 268 64.7 52.2 78.4
 264 62.9 49.2 73.8





#71

Phenanthrene

Concen: 41.746 ng

RT: 17.633 min Scan# 2442

Delta R.T. -0.002 min

Lab File: BG055439.D

Acq: 3 Nov 2022 15:55

Instrument :

BNA_G

ClientSampleId :

LIDEN-GAS-PIPELINEMSD

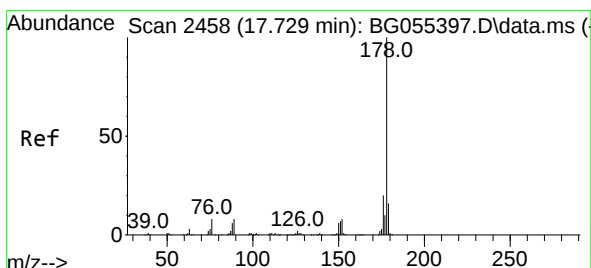
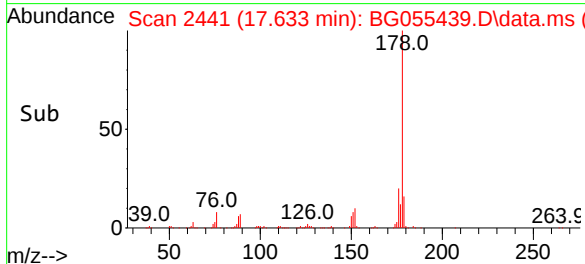
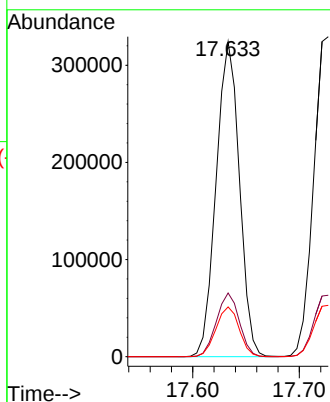
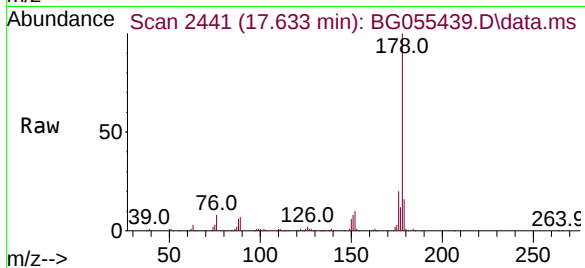
Tgt Ion:178 Resp: 490805

Ion Ratio Lower Upper

178 100

176 20.2 15.8 23.8

179 15.8 12.7 19.1



#72

Anthracene

Concen: 43.181 ng

RT: 17.727 min Scan# 2457

Delta R.T. -0.002 min

Lab File: BG055439.D

Acq: 3 Nov 2022 15:55

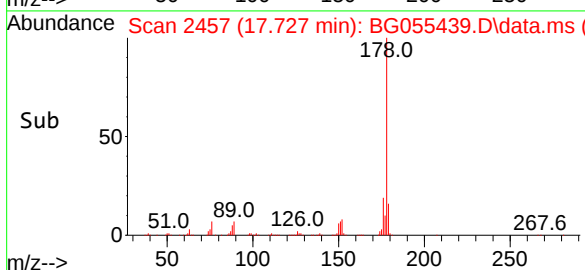
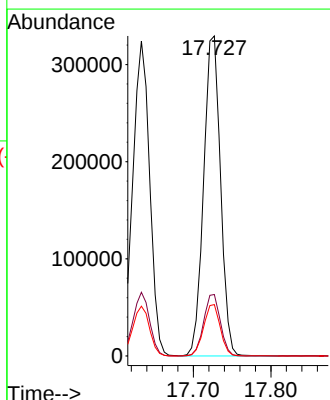
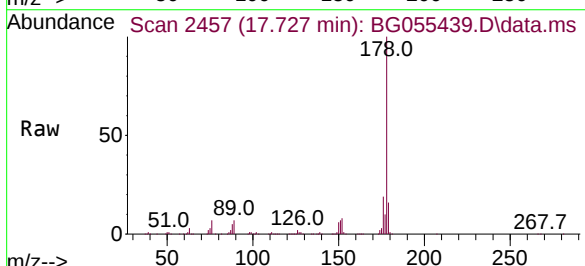
Tgt Ion:178 Resp: 497612

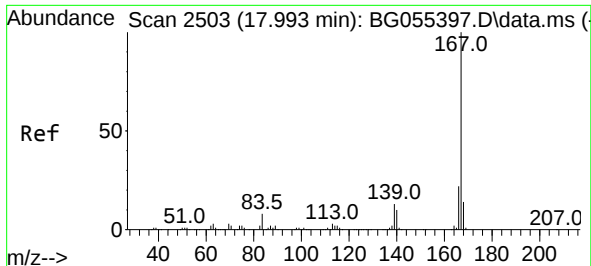
Ion Ratio Lower Upper

178 100

176 19.2 15.7 23.5

179 16.1 13.0 19.6

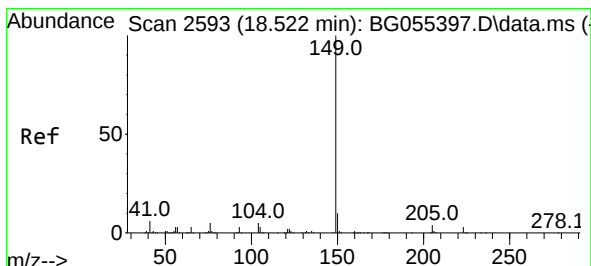
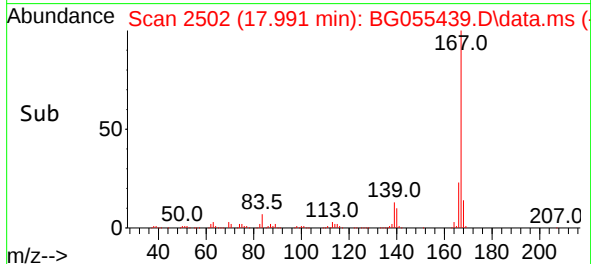
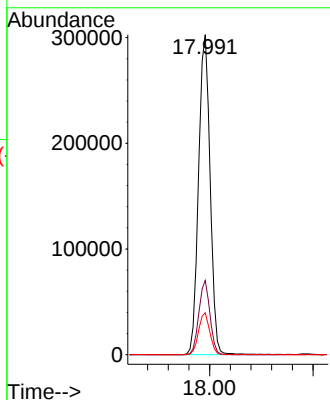
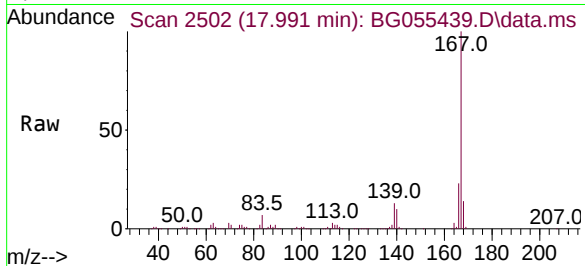




#73
 Carbazole
 Concen: 43.731 ng
 RT: 17.991 min Scan# 2502
 Delta R.T. -0.002 min
 Lab File: BG055439.D
 Acq: 3 Nov 2022 15:55

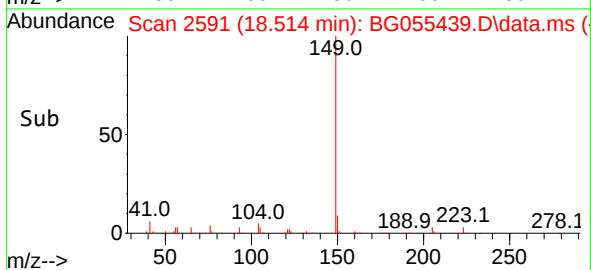
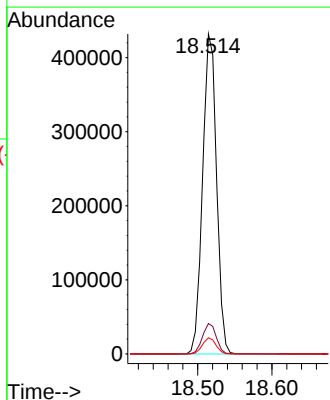
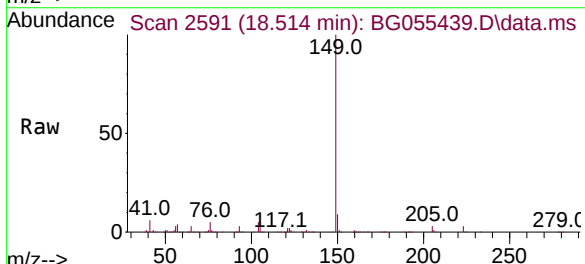
Instrument :
 BNA_G
 ClientSampleId :
 LIDEN-GAS-PIPELINEMSD

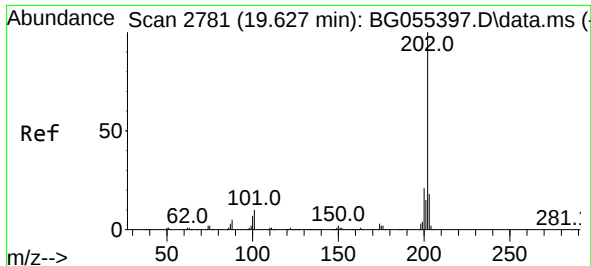
Tgt Ion:167 Resp: 468866
 Ion Ratio Lower Upper
 167 100
 166 23.2 17.9 26.9
 139 13.1 10.4 15.6



#74
 Di-n-butylphthalate
 Concen: 42.046 ng
 RT: 18.514 min Scan# 2591
 Delta R.T. -0.008 min
 Lab File: BG055439.D
 Acq: 3 Nov 2022 15:55

Tgt Ion:149 Resp: 563020
 Ion Ratio Lower Upper
 149 100
 150 9.5 7.6 11.4
 104 5.1 3.9 5.9

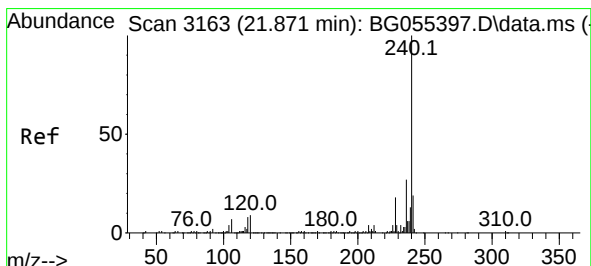
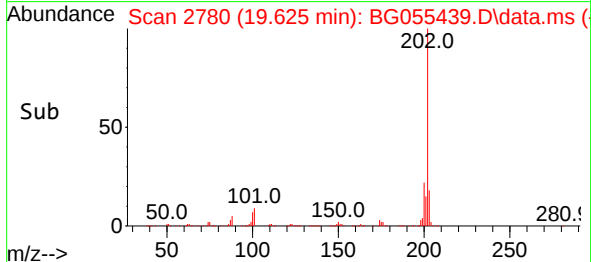
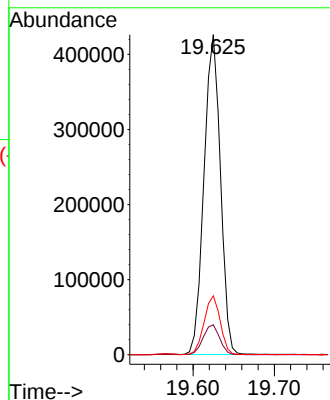
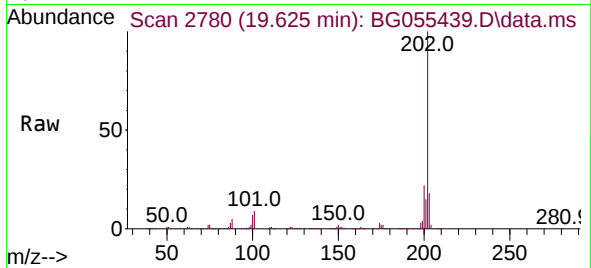




#75
Fluoranthene
Concen: 42.244 ng
RT: 19.625 min Scan# 21
Delta R.T. -0.002 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

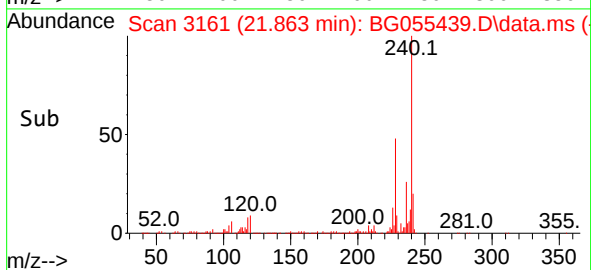
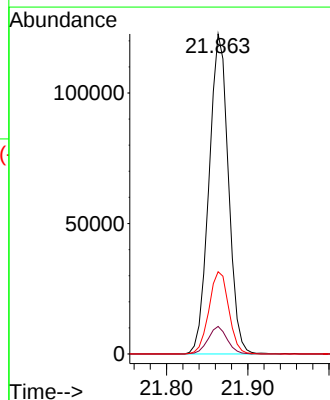
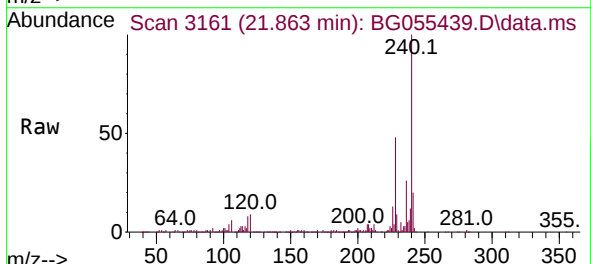
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMSD

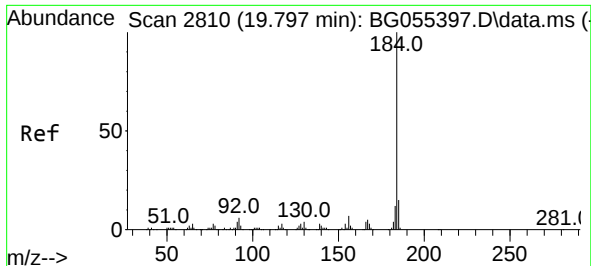
Tgt Ion:202 Resp: 597399
Ion Ratio Lower Upper
202 100
101 9.4 0.0 29.8
203 18.4 0.0 38.1



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.863 min Scan# 3161
Delta R.T. -0.008 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

Tgt Ion:240 Resp: 203086
Ion Ratio Lower Upper
240 100
120 8.6 6.9 10.3
236 25.7 21.5 32.3

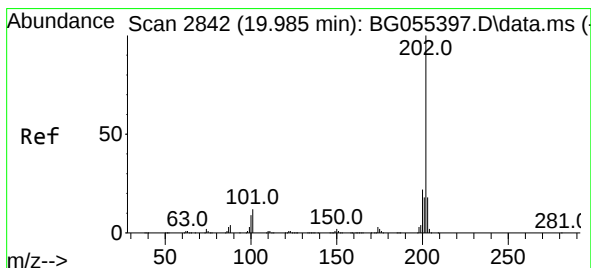
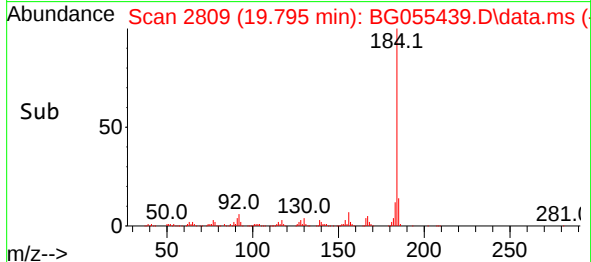
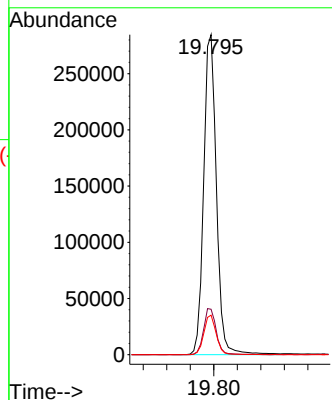
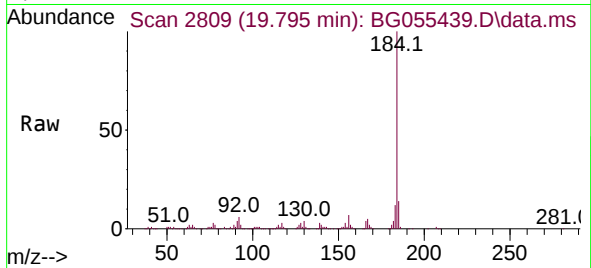




#77
Benzidine
Concen: 101.404 ng
RT: 19.795 min Scan# 2809
Delta R.T. -0.002 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

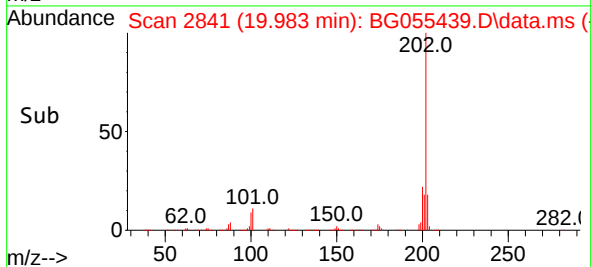
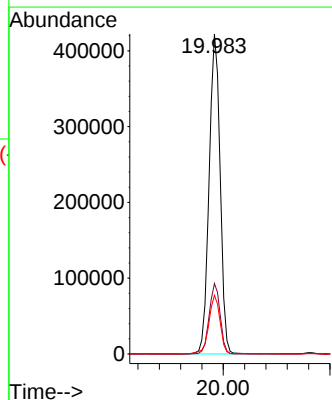
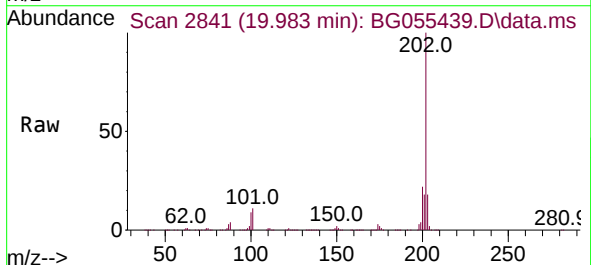
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMSD

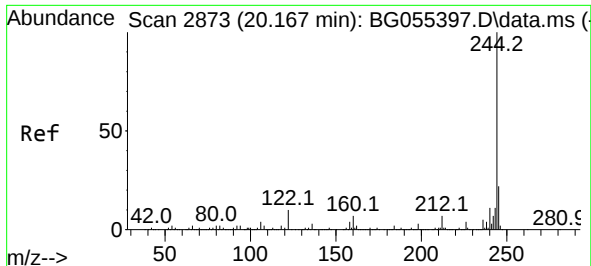
Tgt Ion:184 Resp: 428747
Ion Ratio Lower Upper
184 100
185 14.2 11.7 17.5
183 12.4 9.8 14.8



#78
Pyrene
Concen: 42.239 ng
RT: 19.983 min Scan# 2841
Delta R.T. -0.002 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

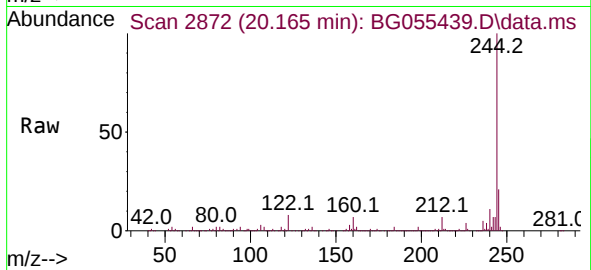
Tgt Ion:202 Resp: 605154
Ion Ratio Lower Upper
202 100
200 22.0 17.4 26.2
203 18.3 14.7 22.1



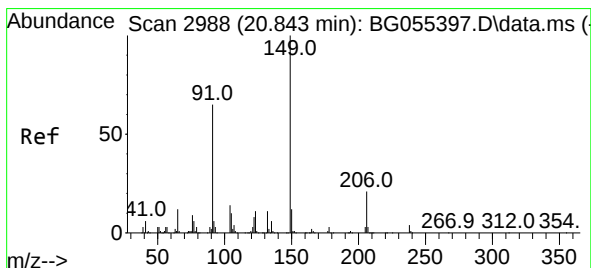
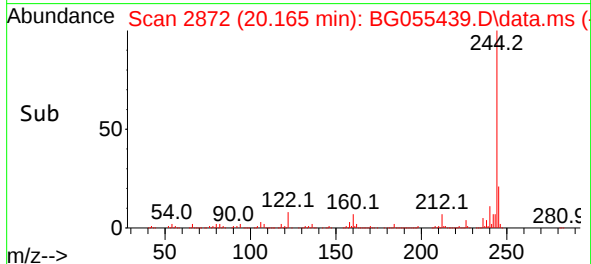
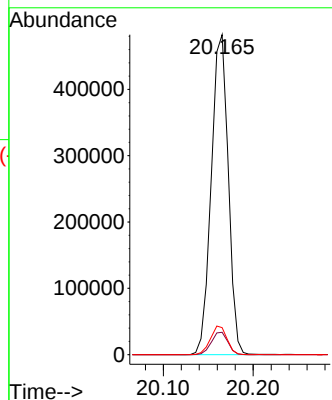


#79
 Terphenyl-d14
 Concen: 60.755 ng
 RT: 20.165 min Scan# 21
 Delta R.T. -0.002 min
 Lab File: BG055439.D
 Acq: 3 Nov 2022 15:55

Instrument :
 BNA_G
 ClientSampleId :
 LIDEN-GAS-PIPELINEMSD

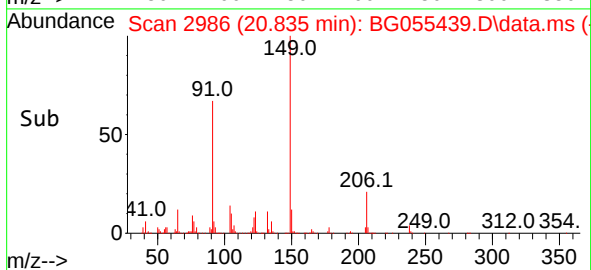
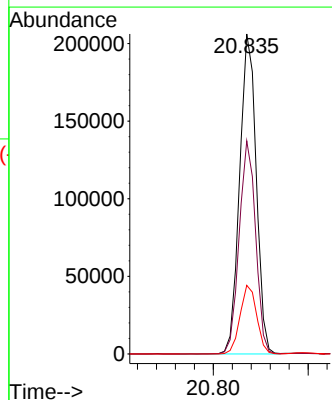
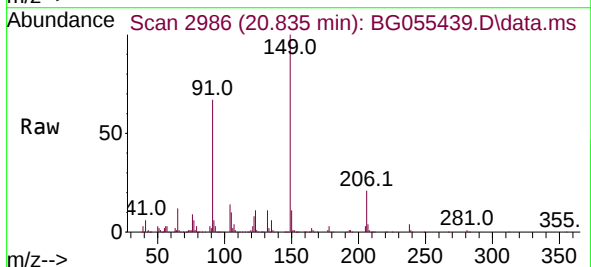


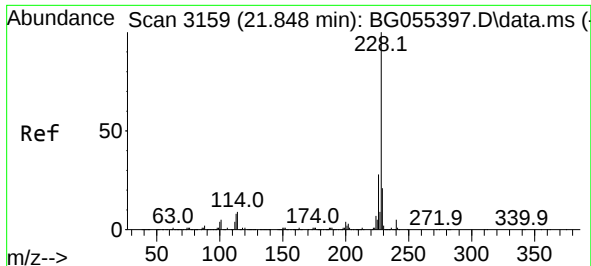
Tgt Ion:244 Resp: 634516
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.8 8.8
 122 8.5 7.8 11.6



#80
 Butylbenzylphthalate
 Concen: 41.837 ng
 RT: 20.835 min Scan# 2986
 Delta R.T. -0.008 min
 Lab File: BG055439.D
 Acq: 3 Nov 2022 15:55

Tgt Ion:149 Resp: 249900
 Ion Ratio Lower Upper
 149 100
 91 66.6 52.4 78.6
 206 21.4 17.2 25.8

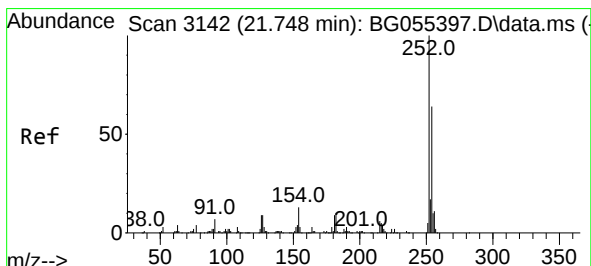
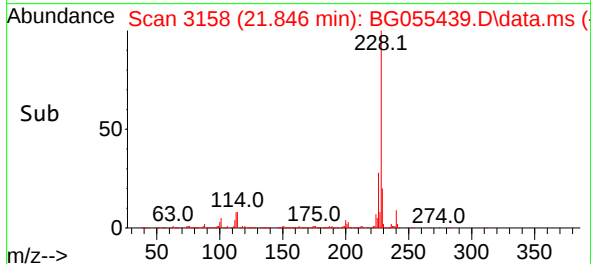
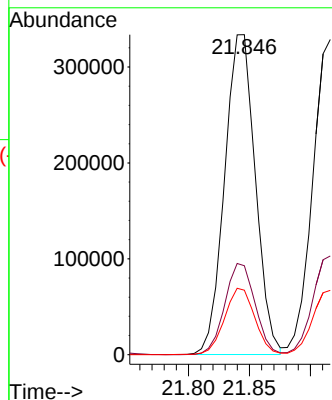
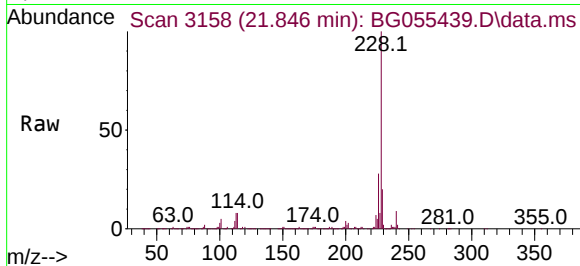




#81
Benzo(a)anthracene
Concen: 41.973 ng
RT: 21.846 min Scan# 3159
Delta R.T. -0.002 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

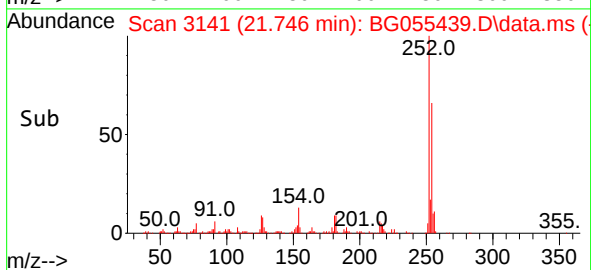
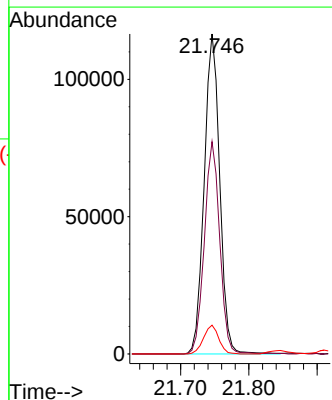
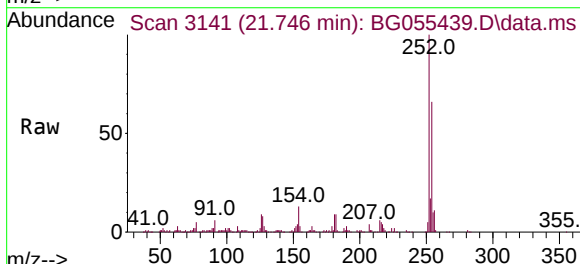
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMSD

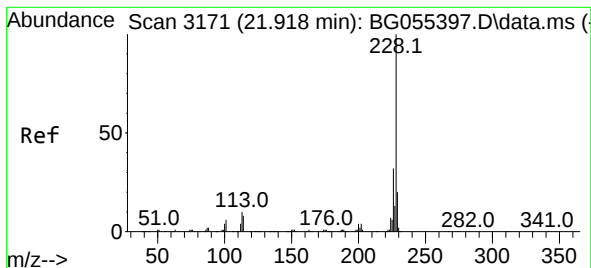
Tgt Ion:228 Resp: 585141
Ion Ratio Lower Upper
228 100
226 27.8 22.6 33.8
229 20.2 16.5 24.7



#82
3,3'-Dichlorobenzidine
Concen: 38.568 ng
RT: 21.746 min Scan# 3141
Delta R.T. -0.002 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

Tgt Ion:252 Resp: 184380
Ion Ratio Lower Upper
252 100
254 66.3 51.0 76.6
126 9.0 7.3 10.9





#83

Chrysene

Concen: 41.173 ng

RT: 21.916 min Scan# 3171

Delta R.T. -0.002 min

Lab File: BG055439.D

Acq: 3 Nov 2022 15:55

Instrument :

BNA_G

ClientSampleId :

LIDEN-GAS-PIPELINEMSD

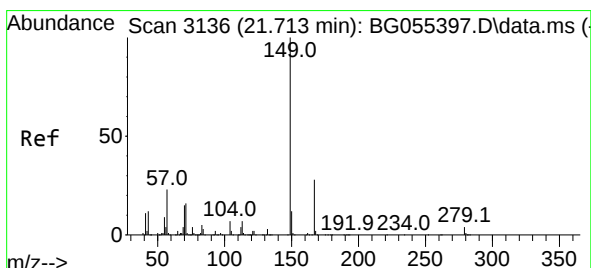
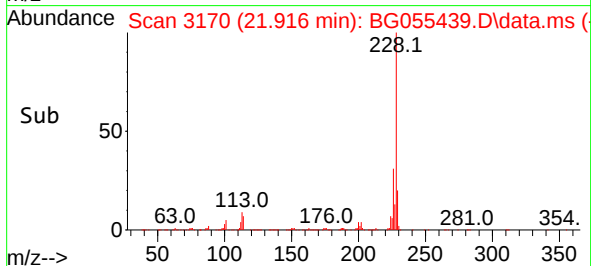
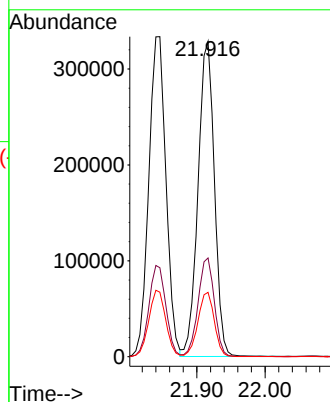
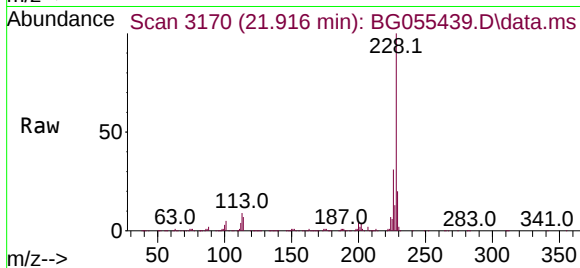
Tgt Ion:228 Resp: 547608

Ion Ratio Lower Upper

228 100

226 31.3 25.2 37.8

229 20.4 16.2 24.2



#84

Bis(2-ethylhexyl)phthalate

Concen: 42.687 ng

RT: 21.705 min Scan# 3134

Delta R.T. -0.008 min

Lab File: BG055439.D

Acq: 3 Nov 2022 15:55

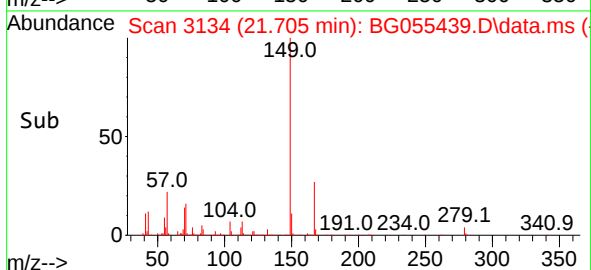
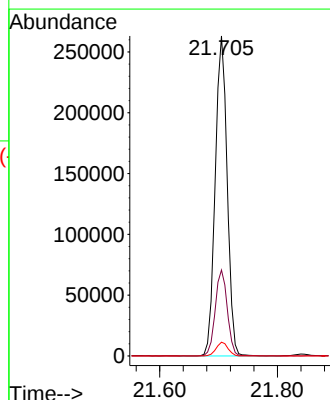
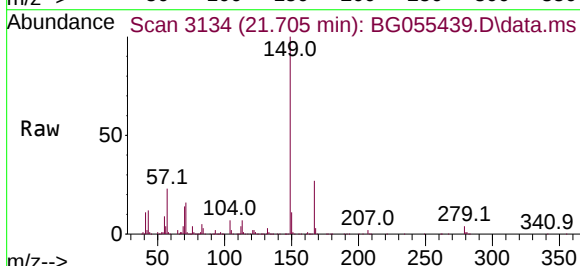
Tgt Ion:149 Resp: 370636

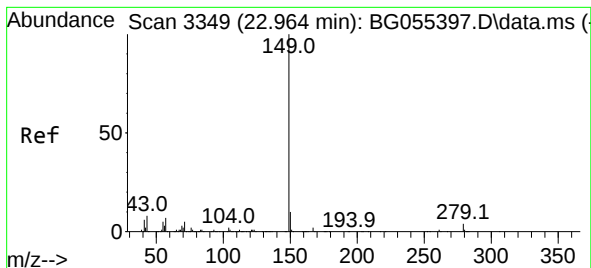
Ion Ratio Lower Upper

149 100

167 26.9 22.0 33.0

279 4.3 3.4 5.2





#85

Di-n-octyl phthalate

Concen: 42.256 ng

RT: 22.956 min Scan# 31

Delta R.T. -0.008 min

Lab File: BG055439.D

Acq: 3 Nov 2022 15:55

Instrument :

BNA_G

ClientSampleId :

LIDEN-GAS-PIPELINEMSD

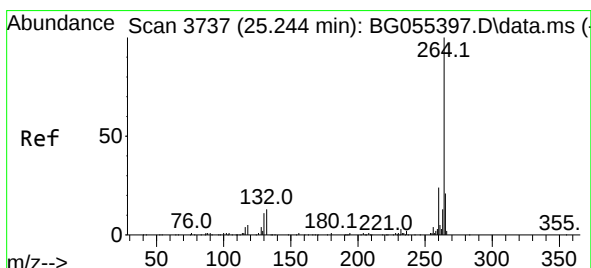
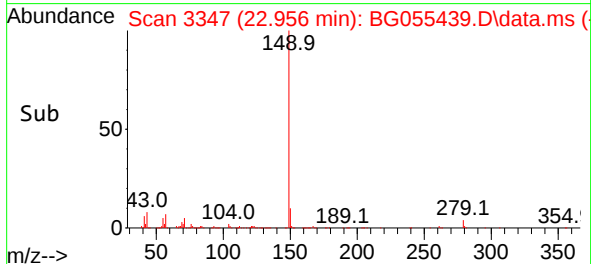
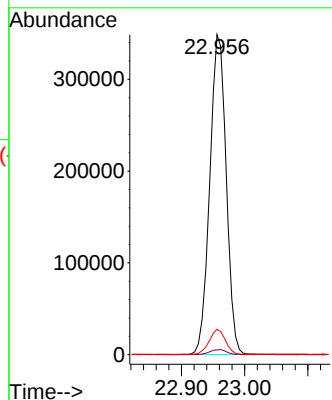
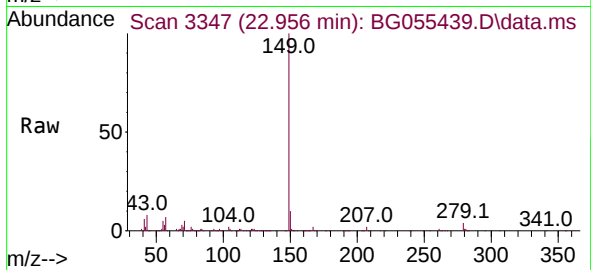
Tgt Ion:149 Resp: 628636

Ion Ratio Lower Upper

149 100

167 1.7 1.3 1.9

43 7.7 6.3 9.5



#86

Perylene-d12

Concen: 20.000 ng

RT: 25.236 min Scan# 3735

Delta R.T. -0.008 min

Lab File: BG055439.D

Acq: 3 Nov 2022 15:55

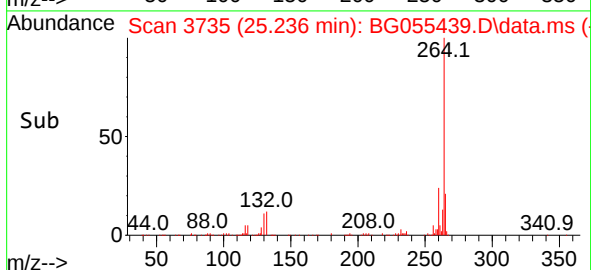
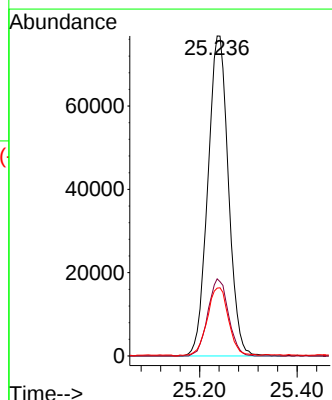
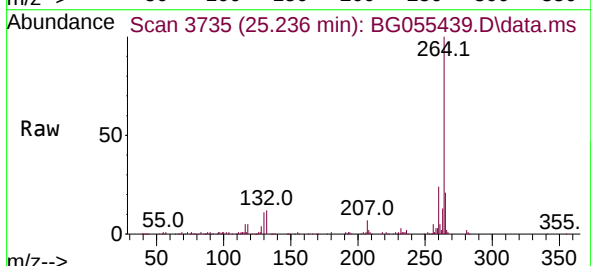
Tgt Ion:264 Resp: 224431

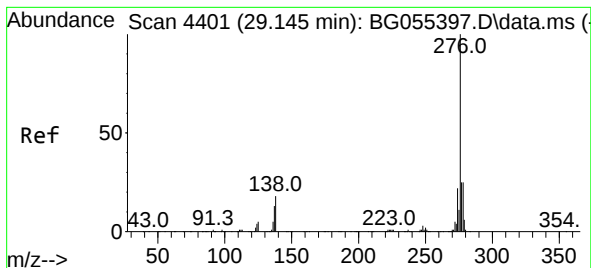
Ion Ratio Lower Upper

264 100

260 24.1 18.9 28.3

265 21.2 17.1 25.7





#87

Indeno(1,2,3-cd)pyrene

Concen: 42.024 ng

RT: 29.131 min Scan# 41

Delta R.T. -0.014 min

Lab File: BG055439.D

Acq: 3 Nov 2022 15:55

Instrument :

BNA_G

ClientSampleId :

LIDEN-GAS-PIPELINEMSD

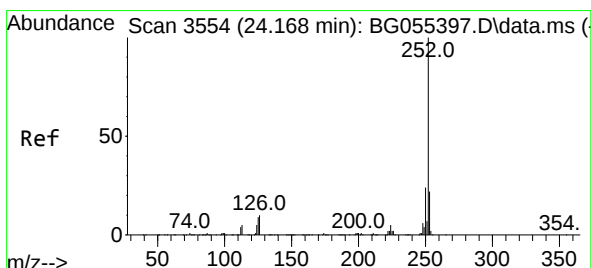
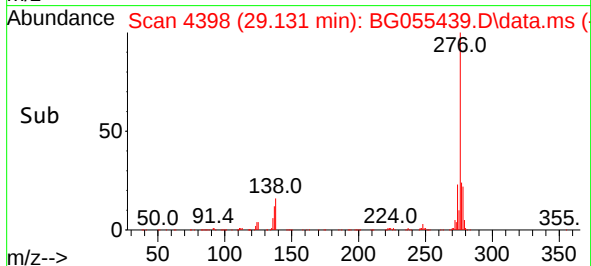
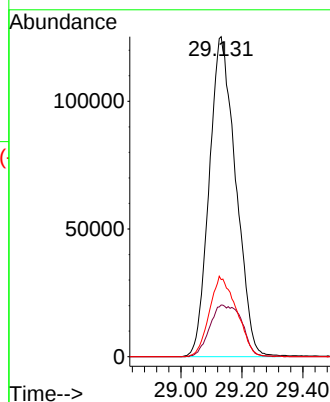
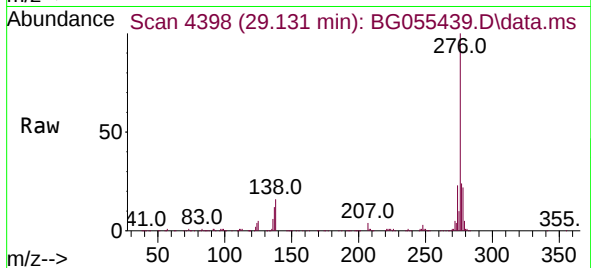
Tgt Ion:276 Resp: 757242

Ion Ratio Lower Upper

276 100

138 19.6 16.2 24.2

277 25.8 20.5 30.7



#88

Benzo(b)fluoranthene

Concen: 44.523 ng

RT: 24.161 min Scan# 3552

Delta R.T. -0.008 min

Lab File: BG055439.D

Acq: 3 Nov 2022 15:55

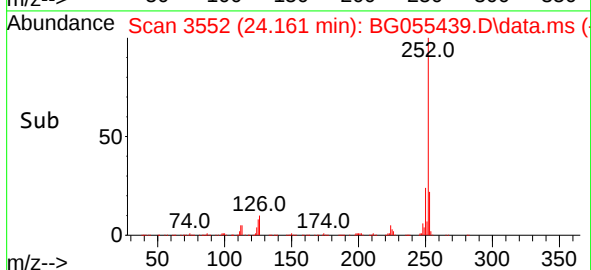
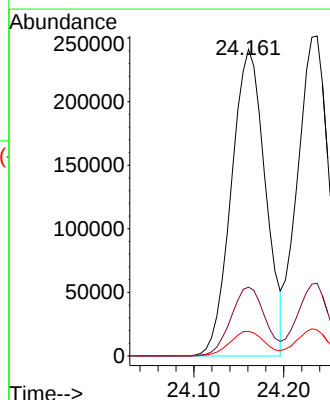
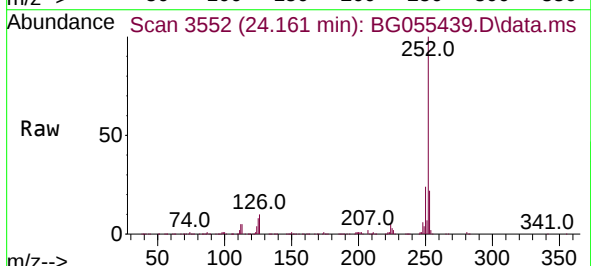
Tgt Ion:252 Resp: 634714

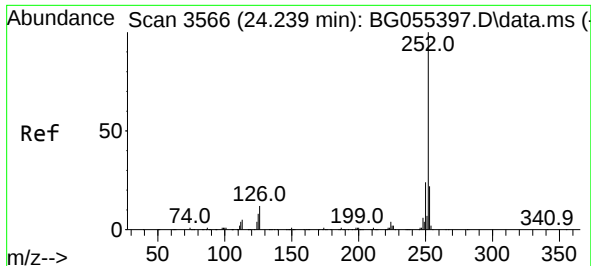
Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.8

125 8.0 6.8 10.2

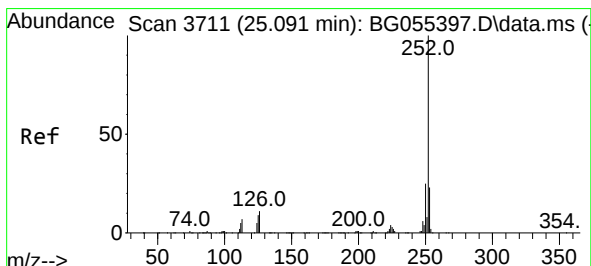
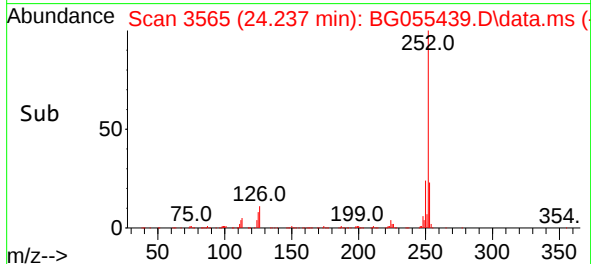
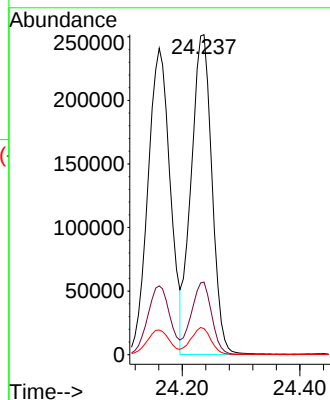
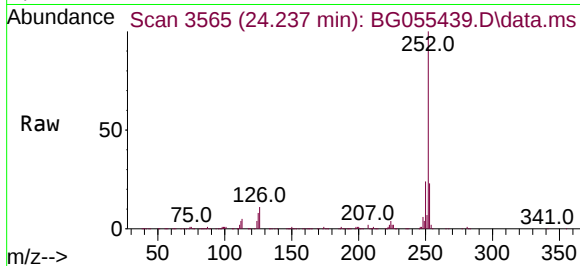




#89
Benzo(k)fluoranthene
Concen: 42.982 ng
RT: 24.237 min Scan# 31
Delta R.T. -0.002 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

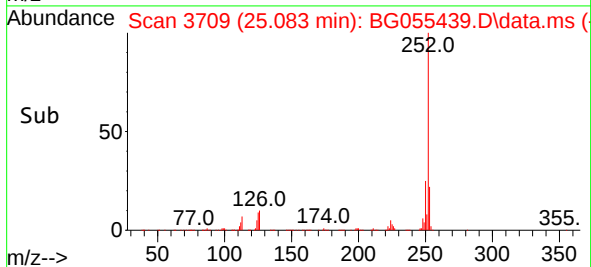
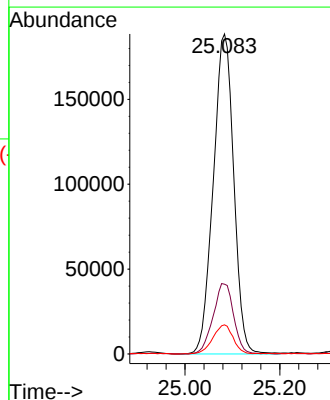
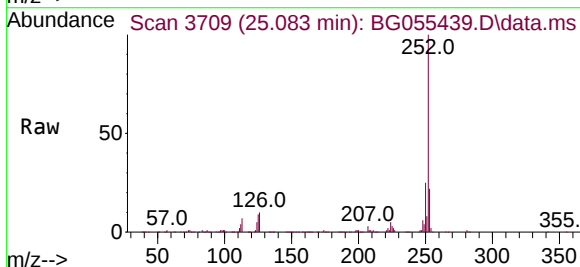
Instrument :
BNA_G
ClientSampleId :
LIDEN-GAS-PIPELINEMSD

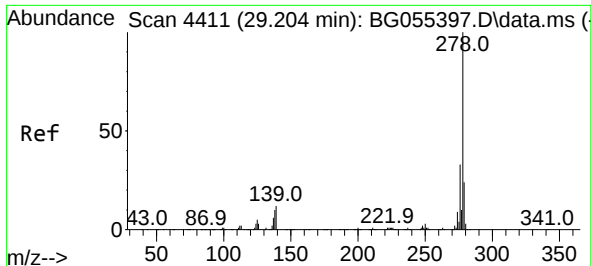
Tgt Ion:252 Resp: 615761
Ion Ratio Lower Upper
252 100
253 22.7 17.9 26.9
125 8.1 6.9 10.3



#90
Benzo(a)pyrene
Concen: 45.795 ng
RT: 25.083 min Scan# 3709
Delta R.T. -0.008 min
Lab File: BG055439.D
Acq: 3 Nov 2022 15:55

Tgt Ion:252 Resp: 564490
Ion Ratio Lower Upper
252 100
253 21.8 18.2 27.2
125 9.1 7.1 10.7

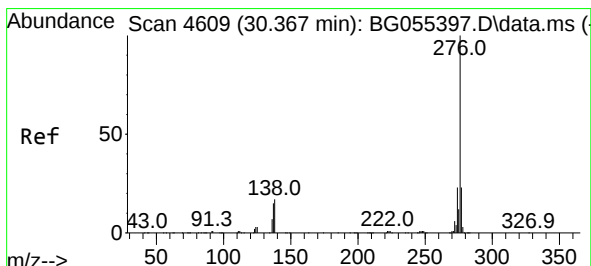
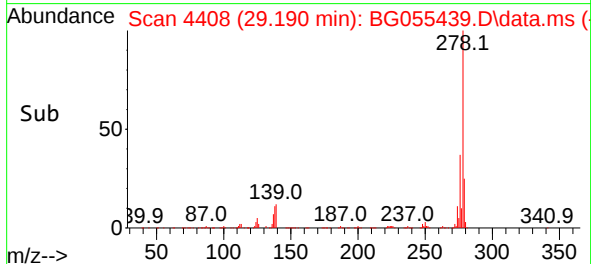
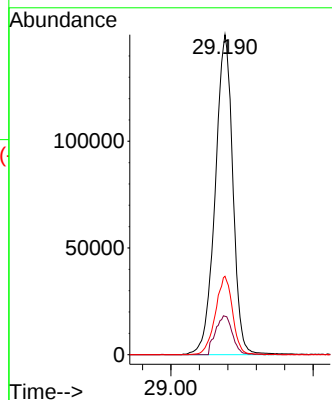
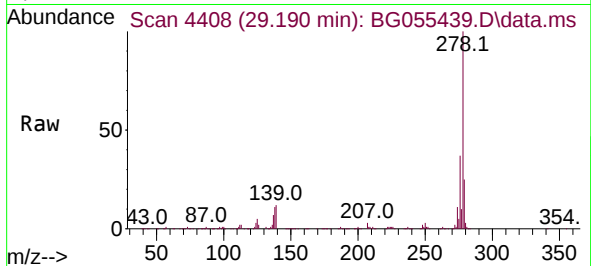




#91
 Dibenzo(a,h)anthracene
 Concen: 43.285 ng
 RT: 29.190 min Scan# 4411
 Delta R.T. -0.014 min
 Lab File: BG055439.D
 Acq: 3 Nov 2022 15:55

Instrument :
 BNA_G
 ClientSampleId :
 LIDEN-GAS-PIPELINEMSD

Tgt Ion:278 Resp: 643498
 Ion Ratio Lower Upper
 278 100
 139 12.0 9.9 14.9
 279 24.5 19.0 28.4



#92
 Benzo(g,h,i)perylene
 Concen: 42.629 ng
 RT: 30.353 min Scan# 4606
 Delta R.T. -0.014 min
 Lab File: BG055439.D
 Acq: 3 Nov 2022 15:55

Tgt Ion:276 Resp: 630292
 Ion Ratio Lower Upper
 276 100
 277 24.3 18.6 28.0
 138 17.3 13.4 20.0

