

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM052423\
 Data File : BM039988.D
 Acq On : 24 May 2023 17:35
 Operator : CG/JU
 Sample : 02888-02MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MID2-44(10-11)MSD

Quant Time: May 24 19:02:58 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM052323.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 24 01:06:13 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.016	152	406276	20.000	ng	0.00
21) Naphthalene-d8	10.834	136	1566381	20.000	ng	0.00
39) Acenaphthene-d10	14.657	164	753540	20.000	ng	0.00
64) Phenanthrene-d10	17.398	188	1284816	20.000	ng	0.00
76) Chrysene-d12	21.574	240	1248768	20.000	ng	0.00
86) Perylene-d12	24.027	264	1272780	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.563	112	2312863	87.324	ng	0.00
7) Phenol-d6	7.175	99	2688279	77.808	ng	0.00
23) Nitrobenzene-d5	9.187	82	1527973	52.637	ng	0.00
42) 2,4,6-Tribromophenol	16.139	330	834908	85.366	ng	0.00
45) 2-Fluorobiphenyl	13.280	172	3432637	53.730	ng	0.00
79) Terphenyl-d14	20.015	244	4241179	52.734	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.422	88	455240	42.561	ng	97
3) Pyridine	3.828	79	1177827	40.107	ng	97
4) n-Nitrosodimethylamine	3.740	42	513741	41.178	ng	95
6) Aniline	7.340	93	1636753	38.286	ng	98
8) 2-Chlorophenol	7.581	128	1303681	46.761	ng	95
9) Benzaldehyde	7.146	77	727578	43.562	ng	97
10) Phenol	7.198	94	1531391	44.218	ng	98
11) bis(2-Chloroethyl)ether	7.434	93	1218144	42.704	ng	98
12) 1,3-Dichlorobenzene	7.904	146	1441419	48.823	ng	98
13) 1,4-Dichlorobenzene	8.051	146	1472837	49.032	ng	99
14) 1,2-Dichlorobenzene	8.375	146	1397161	47.434	ng	98
15) Benzyl Alcohol	8.257	79	974554	43.758	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.557	45	1487457	40.650	ng	99
17) 2-Methylphenol	8.463	107	1009490	40.742	ng	97
18) Hexachloroethane	9.110	117	533848	49.021	ng	97
19) n-Nitroso-di-n-propyla...	8.828	70	824256	41.190	ng	97
20) 3+4-Methylphenols	8.787	107	1321561	40.419	ng	99
22) Acetophenone	8.845	105	1857927	43.945	ng	97
24) Nitrobenzene	9.228	77	1248378	42.397	ng	96
25) Isophorone	9.757	82	2250922	42.520	ng	97
26) 2-Nitrophenol	9.939	139	632295	60.685	ng	94
27) 2,4-Dimethylphenol	9.998	122	1112006	46.858	ng	99
28) bis(2-Chloroethoxy)met...	10.239	93	1491010	42.960	ng	99
29) 2,4-Dichlorophenol	10.475	162	1061209	47.198	ng	98
30) 1,2,4-Trichlorobenzene	10.698	180	1169064	47.493	ng	99
31) Naphthalene	10.886	128	3806426	44.043	ng	100
32) Benzoic acid	10.128	122	707964	44.874	ng	91
33) 4-Chloroaniline	10.992	127	1080995	29.682	ng	97
34) Hexachlorobutadiene	11.175	225	651445	47.150	ng	98
35) Caprolactam	11.769	113	282937	44.563	ng	86
36) 4-Chloro-3-methylphenol	12.110	107	989342	42.571	ng	97
37) 2-Methylnaphthalene	12.486	142	2403357	41.720	ng	98
38) 1-Methylnaphthalene	12.704	142	2234277	41.433	ng	98
40) 1,2,4,5-Tetrachloroben...	12.851	216	1166228	48.933	ng	99
41) Hexachlorocyclopentadiene	12.833	237	1576023	127.827	ng	99
43) 2,4,6-Trichlorophenol	13.092	196	718813	49.690	ng	98

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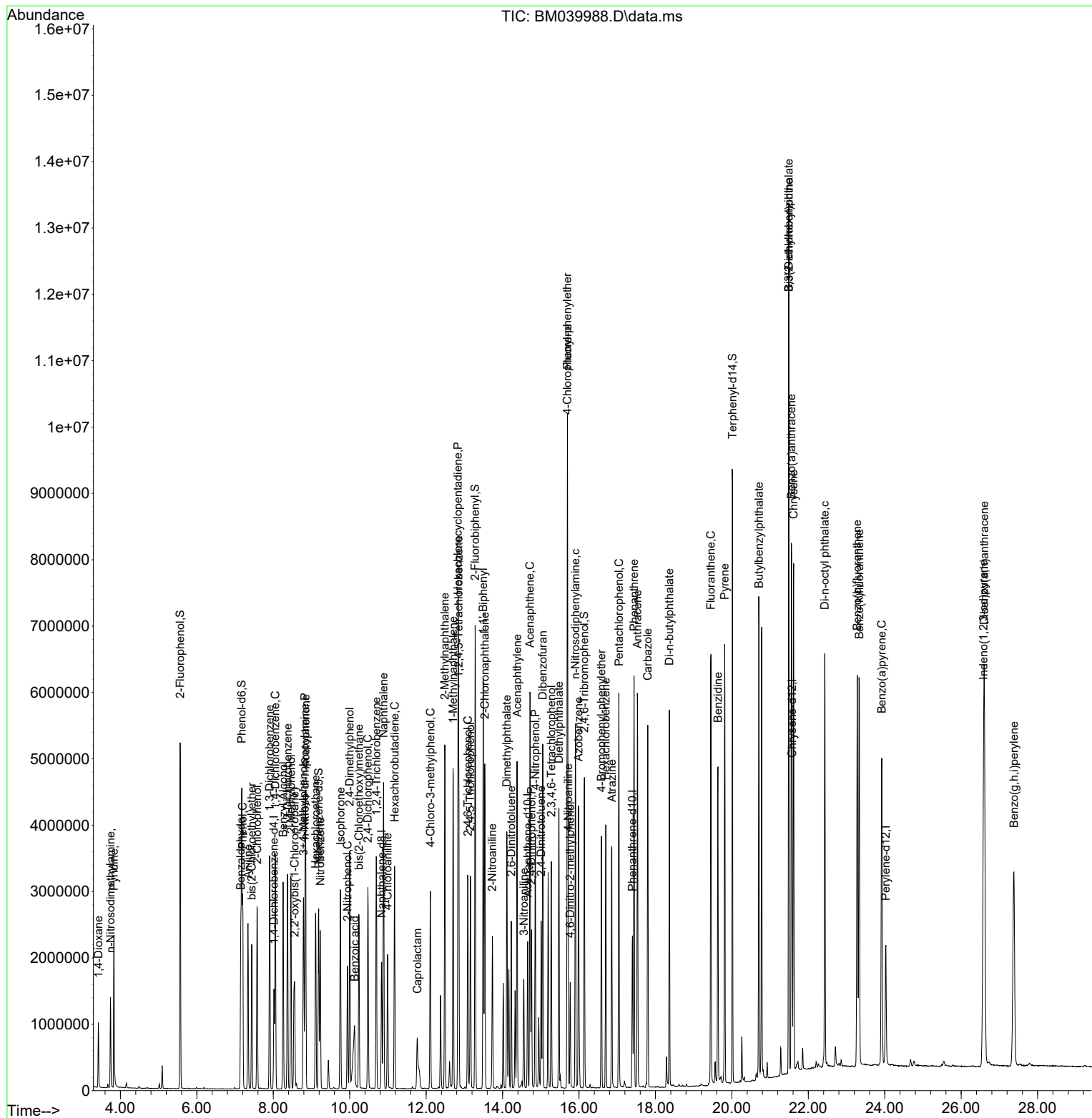
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.157	196	758135	44.031	ng	97
46) 1,1'-Biphenyl	13.492	154	3079812	47.739	ng	99
47) 2-Chloronaphthalene	13.533	162	2344166	48.678	ng	99
48) 2-Nitroaniline	13.733	65	549572	42.489	ng	92
49) Acenaphthylene	14.380	152	3495315	46.364	ng	100
50) Dimethylphthalate	14.110	163	2486223	43.768	ng	100
51) 2,6-Dinitrotoluene	14.227	165	516347	47.516	ng	91
52) Acenaphthene	14.716	154	2148777	43.623	ng	98
53) 3-Nitroaniline	14.557	138	448299	34.873	ng	97
54) 2,4-Dinitrophenol	14.757	184	463311	76.952	ng	94
55) Dibenzofuran	15.051	168	3210495	44.151	ng	99
56) 4-Nitrophenol	14.857	139	1013855	101.955	ng	90
57) 2,4-Dinitrotoluene	15.010	165	677648	43.677	ng	91
58) Fluorene	15.698	166	2586815	42.794	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.274	232	586620	45.813	ng	99
60) Diethylphthalate	15.474	149	2464098	43.886	ng	99
61) 4-Chlorophenyl-phenyle...	15.692	204	1266142	42.812	ng	98
62) 4-Nitroaniline	15.716	138	582723	43.526	ng	93
63) Azobenzene	15.986	77	2392354	42.736	ng	95
65) 4,6-Dinitro-2-methylph...	15.769	198	306695	44.075	ng	94
66) n-Nitrosodiphenylamine	15.904	169	2063148	46.695	ng	98
67) 4-Bromophenyl-phenylether	16.586	248	653843	46.057	ng	97
68) Hexachlorobenzene	16.698	284	777367	47.916	ng	97
69) Atrazine	16.857	200	625083	56.876	ng	100
70) Pentachlorophenol	17.045	266	988134	92.781	ng	97
71) Phenanthrene	17.439	178	3441861	44.786	ng	100
72) Anthracene	17.527	178	3501745	45.989	ng	100
73) Carbazole	17.798	167	3240599	47.107	ng	99
74) Di-n-butylphthalate	18.362	149	3984803	45.514	ng	100
75) Fluoranthene	19.451	202	3464316	45.229	ng	100
77) Benzidine	19.633	184	2461130	126.915	ng	99
78) Pyrene	19.809	202	3724909	40.650	ng	100
80) Butylbenzylphthalate	20.709	149	1780371	47.322	ng	86
81) Benzo(a)anthracene	21.556	228	3788500	42.855	ng	100
82) 3,3'-Dichlorobenzidine	21.486	252	1414970	53.582	ng	100
83) Chrysene	21.615	228	3542727	41.767	ng	100
84) Bis(2-ethylhexyl)phtha...	21.486	149	2826294	47.139	ng	98
85) Di-n-octyl phthalate	22.433	149	4566421	49.317	ng	96
87) Indeno(1,2,3-cd)pyrene	26.585	276	4773838	47.165	ng	98
88) Benzo(b)fluoranthene	23.280	252	3865584	47.437	ng	99
89) Benzo(k)fluoranthene	23.333	252	3923666	44.034	ng	99
90) Benzo(a)pyrene	23.921	252	3305252	42.295	ng	99
91) Dibenzo(a,h)anthracene	26.603	278	4087450	46.776	ng	99
92) Benzo(g,h,i)perylene	27.380	276	3595188	46.551	ng	98

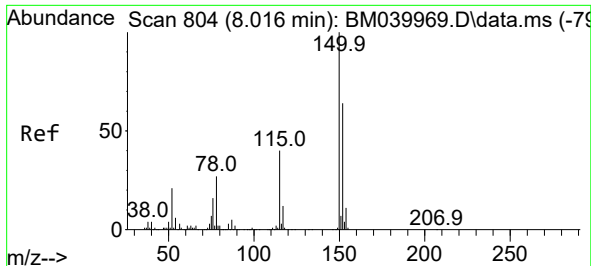
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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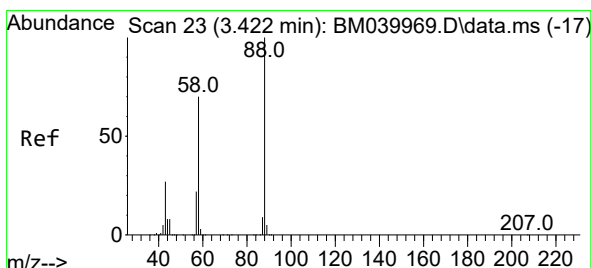
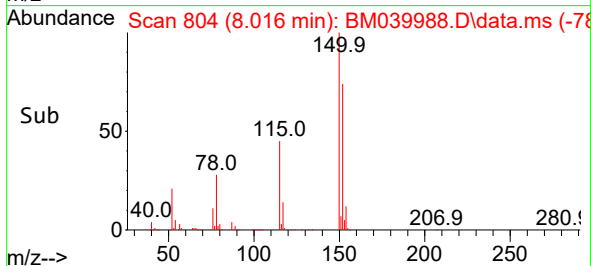
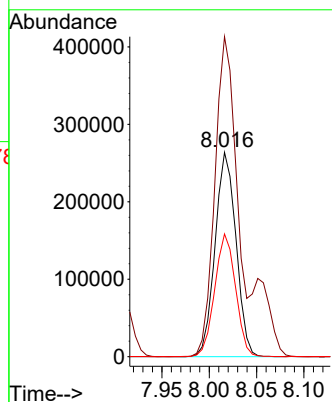
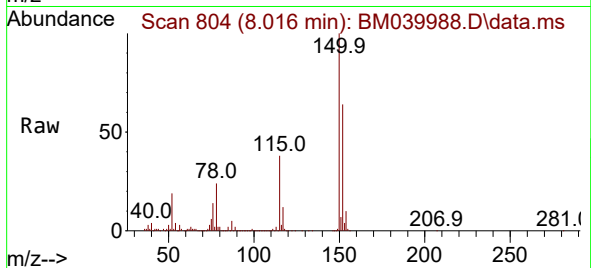




#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 8.016 min Scan# 80
 Delta R.T. 0.000 min
 Lab File: BM039988.D
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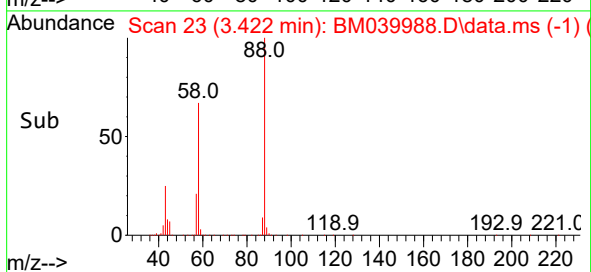
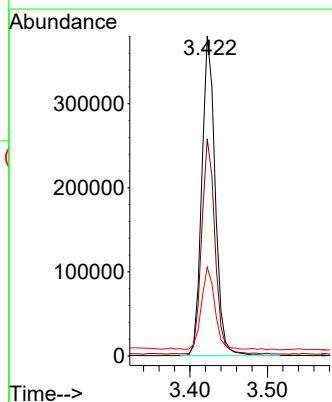
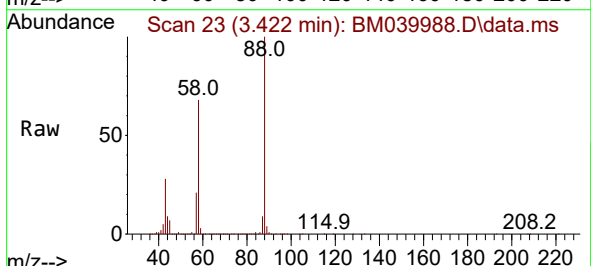
Instrument :
 BNA_M
 ClientSampleId :
 MID2-44(10-11)MSD

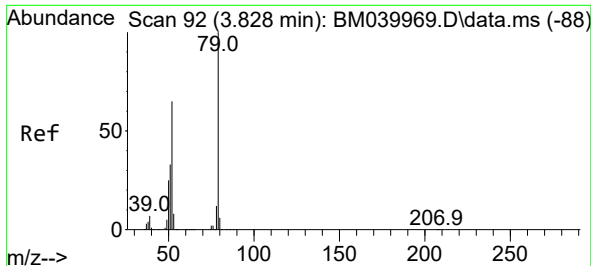
Tgt Ion:152 Resp: 406276
 Ion Ratio Lower Upper
 152 100
 150 156.6 125.5 188.3
 115 60.0 50.2 75.2



#2
 1,4-Dioxane
 Concen: 42.561 ng
 RT: 3.422 min Scan# 23
 Delta R.T. 0.000 min
 Lab File: BM039988.D
 Acq: 24 May 2023 17:35

Tgt Ion: 88 Resp: 455240
 Ion Ratio Lower Upper
 88 100
 58 67.5 56.1 84.1
 43 25.7 22.0 33.0



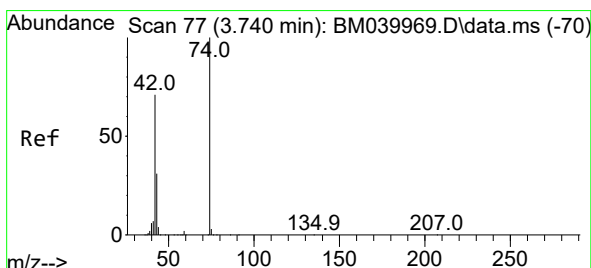
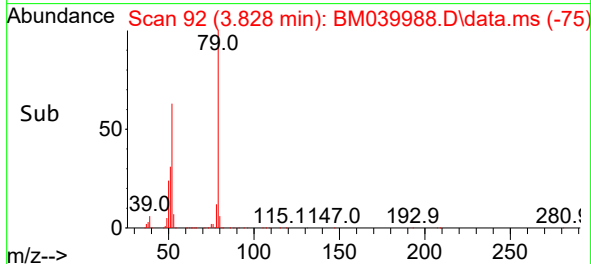
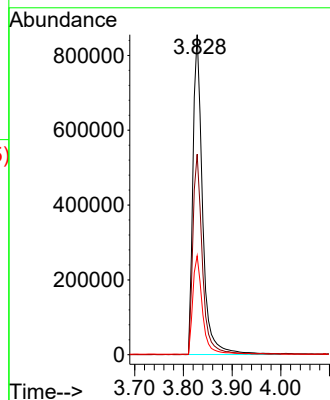
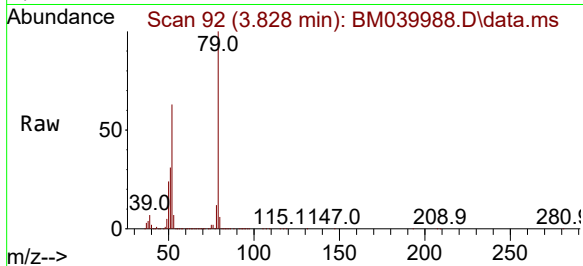


#3
 Pyridine
 Concen: 40.107 ng
 RT: 3.828 min Scan# 91
 Delta R.T. 0.000 min
 Lab File: BM039988.D
 Acq: 24 May 2023 17:35

Instrument :
 BNA_M
 ClientSampleId :
 MID2-44(10-11)MSD

Tgt Ion: 79 Resp: 1177827

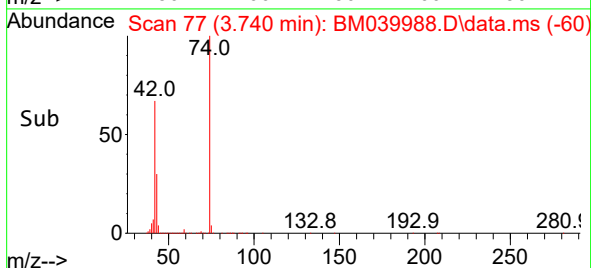
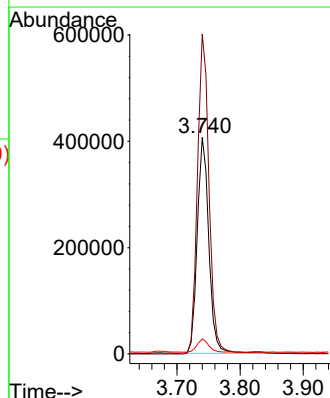
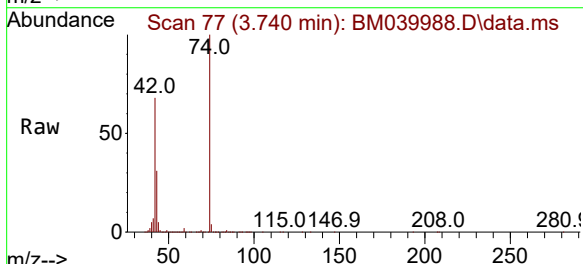
Ion	Ratio	Lower	Upper
79	100		
52	62.7	52.0	78.0
51	30.9	26.5	39.7

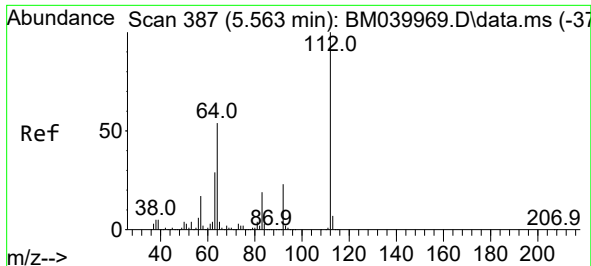


#4
 n-Nitrosodimethylamine
 Concen: 41.178 ng
 RT: 3.740 min Scan# 77
 Delta R.T. 0.000 min
 Lab File: BM039988.D
 Acq: 24 May 2023 17:35

Tgt Ion: 42 Resp: 513741

Ion	Ratio	Lower	Upper
42	100		
74	147.9	113.4	170.0
44	7.0	5.4	8.2

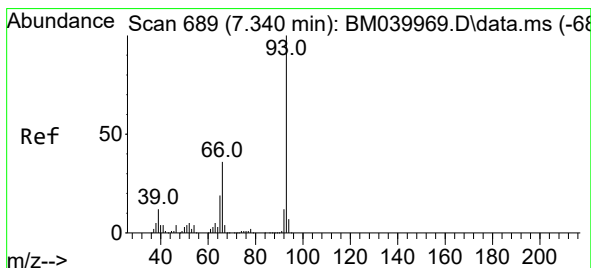
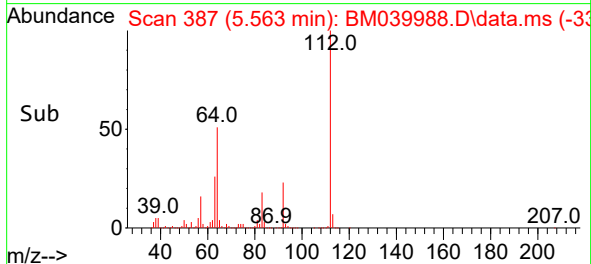
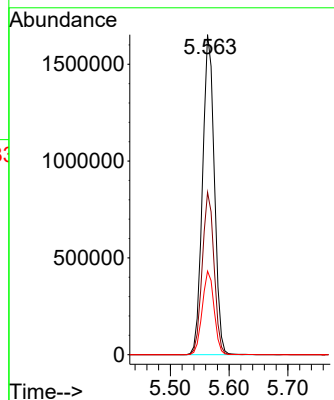
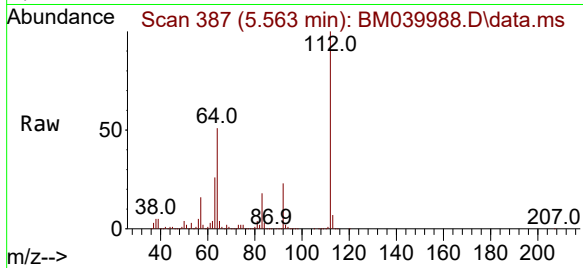




#5
2-Fluorophenol
Concen: 87.324 ng
RT: 5.563 min Scan# 387
Delta R.T. 0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

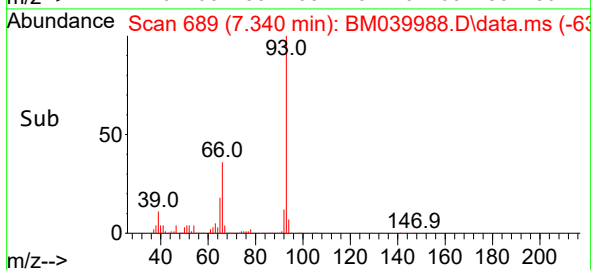
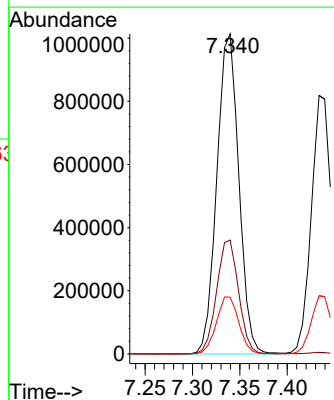
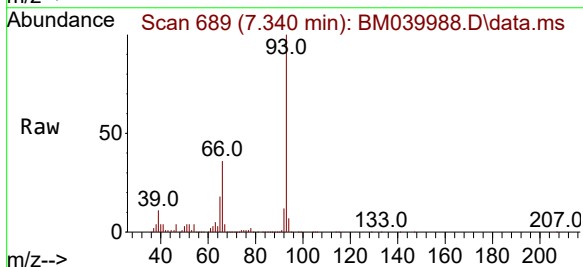
Instrument :
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ClientSampleId :
MID2-44(10-11)MSD

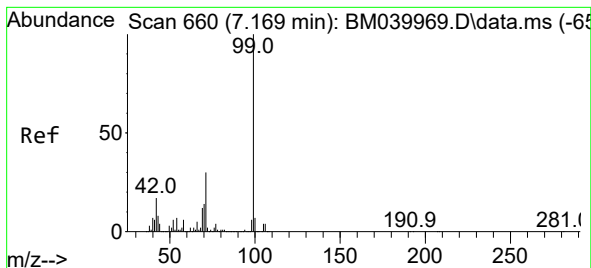
Tgt Ion:112 Resp: 2312863
Ion Ratio Lower Upper
112 100
64 50.7 43.0 64.4
63 26.1 22.9 34.3



#6
Aniline
Concen: 38.286 ng
RT: 7.340 min Scan# 689
Delta R.T. 0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

Tgt Ion: 93 Resp: 1636753
Ion Ratio Lower Upper
93 100
66 35.6 29.2 43.8
65 17.7 15.3 22.9





#7

Phenol-d6

Concen: 77.808 ng

RT: 7.175 min Scan# 6

Delta R.T. 0.006 min

Lab File: BM039988.D

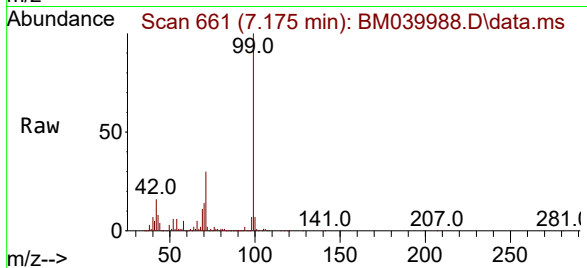
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Instrument :

BNA_M

ClientSampleId :

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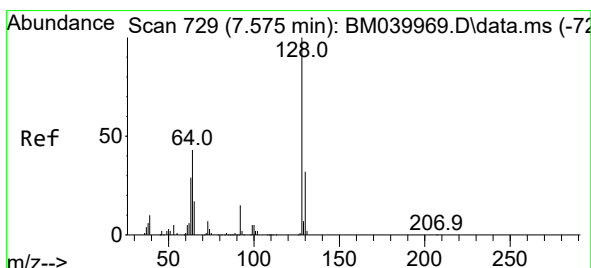
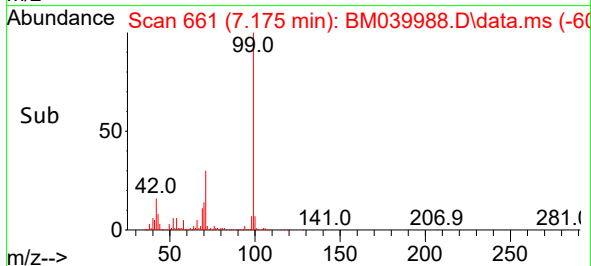
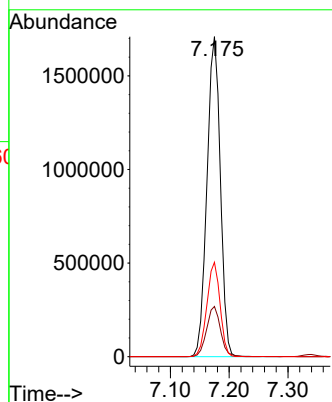
Tgt Ion: 99 Resp: 2688279

Ion Ratio Lower Upper

99 100

42 15.7 13.8 20.6

71 29.5 24.4 36.6



#8

2-Chlorophenol

Concen: 46.761 ng

RT: 7.581 min Scan# 730

Delta R.T. 0.006 min

Lab File: BM039988.D

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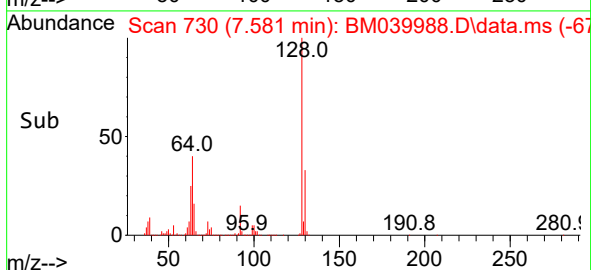
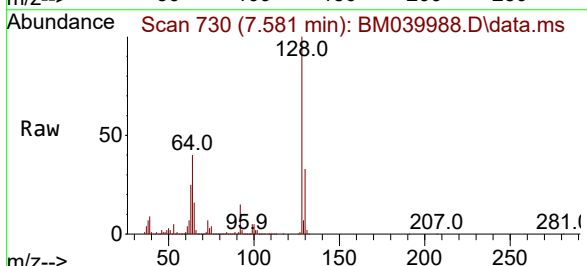
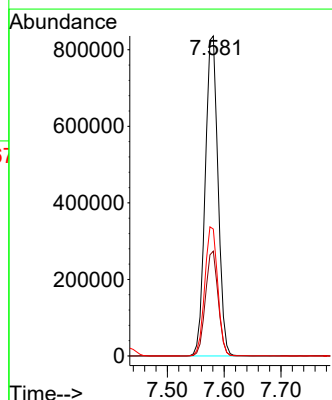
Tgt Ion:128 Resp: 1303681

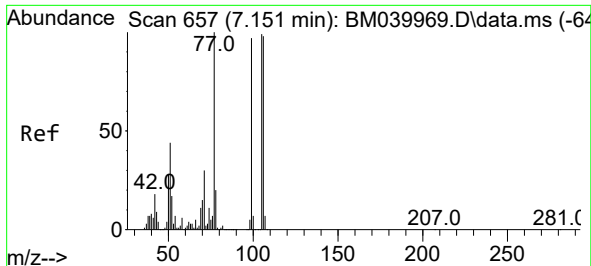
Ion Ratio Lower Upper

128 100

130 32.7 12.4 52.4

64 39.7 25.5 65.5

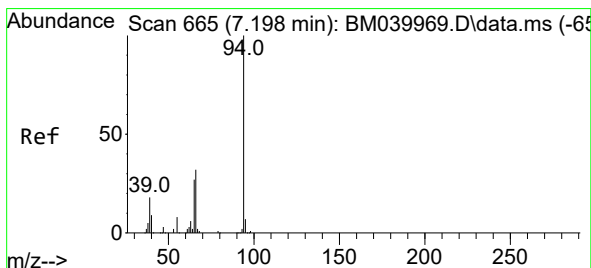
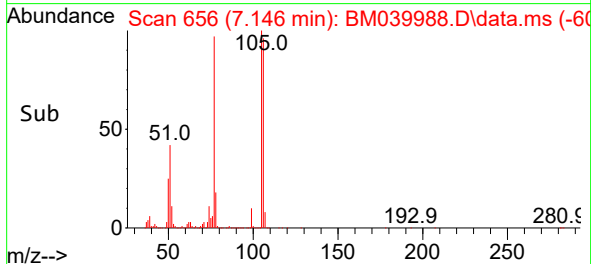
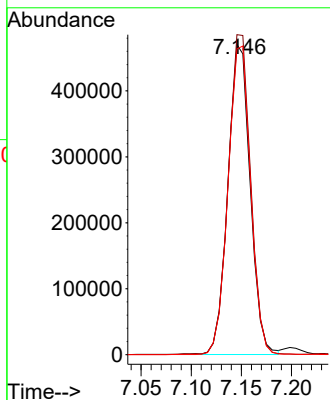
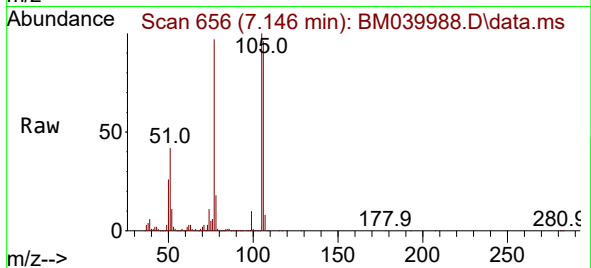




#9
Benzaldehyde
Concen: 43.562 ng
RT: 7.146 min Scan# 61
Delta R.T. -0.005 min
Lab File: BM039988.D
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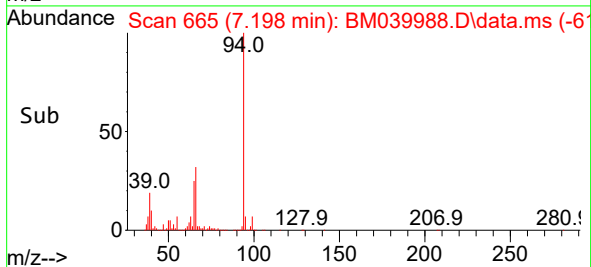
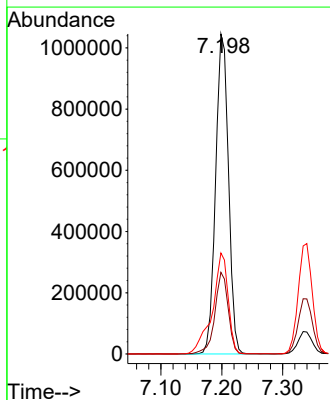
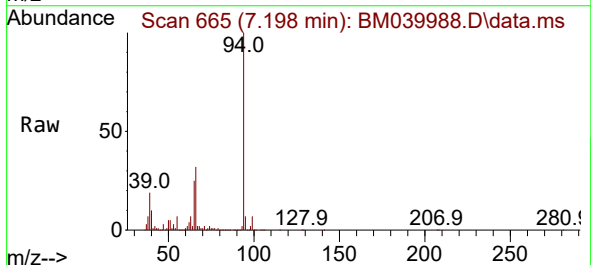
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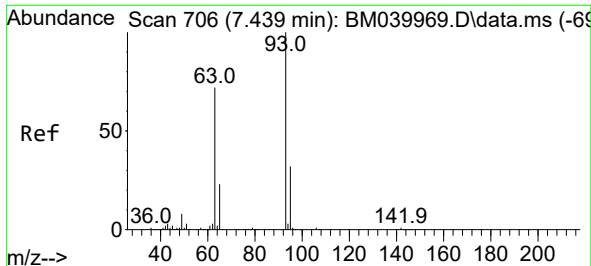
Tgt Ion: 77 Resp: 727578
Ion Ratio Lower Upper
77 100
105 103.2 79.2 119.2
106 98.6 77.6 117.6



#10
Phenol
Concen: 44.218 ng
RT: 7.198 min Scan# 665
Delta R.T. 0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

Tgt Ion: 94 Resp: 1531391
Ion Ratio Lower Upper
94 100
65 25.5 6.7 46.7
66 31.6 12.4 52.4

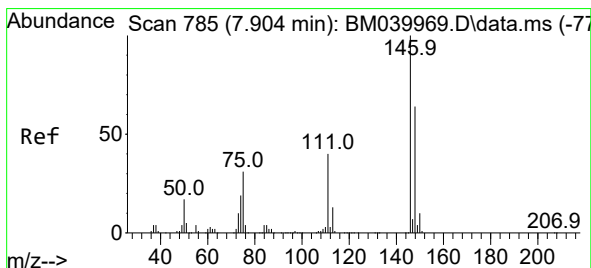
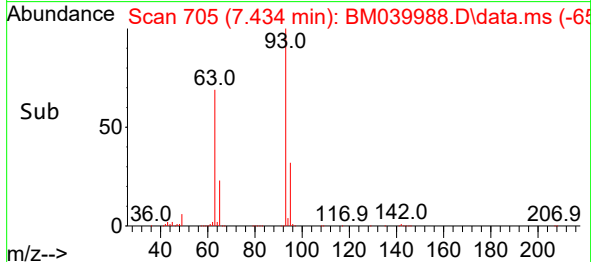
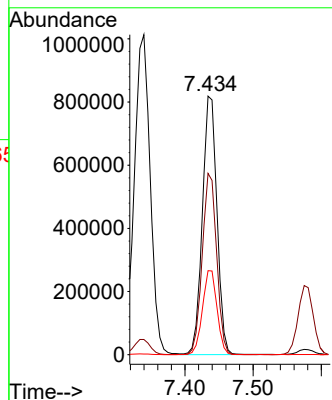
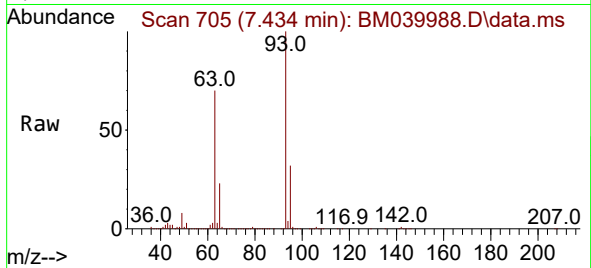




#11
bis(2-Chloroethyl)ether
Concen: 42.704 ng
RT: 7.434 min Scan# 706
Delta R.T. -0.006 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

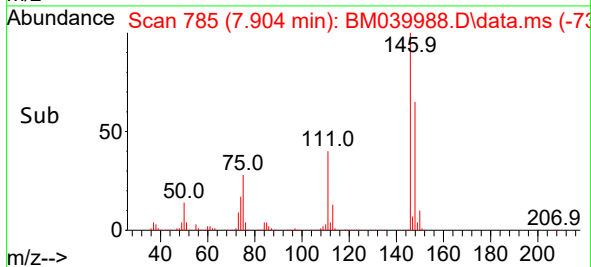
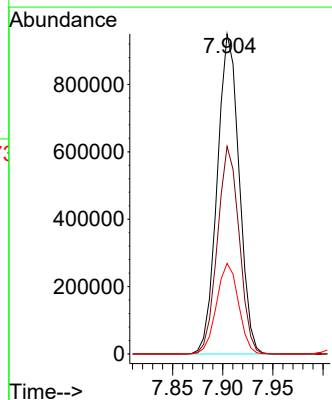
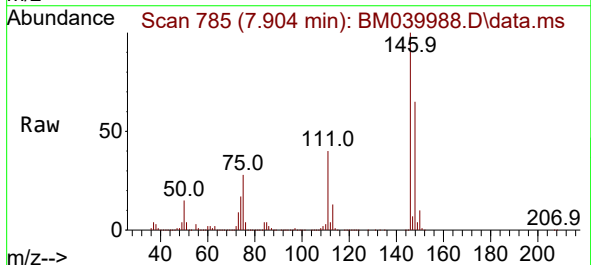
Instrument :
BNA_M
ClientSampleId :
MID2-44(10-11)MSD

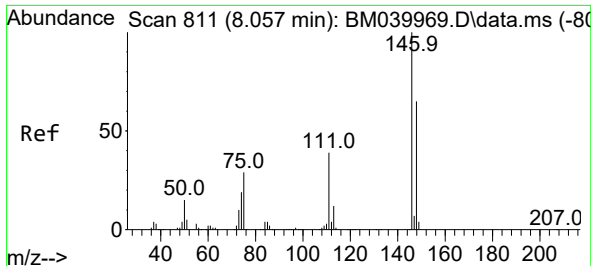
Tgt Ion: 93 Resp: 1218144
Ion Ratio Lower Upper
93 100
63 70.1 52.0 92.0
95 32.5 12.2 52.2



#12
1,3-Dichlorobenzene
Concen: 48.823 ng
RT: 7.904 min Scan# 785
Delta R.T. 0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

Tgt Ion: 146 Resp: 1441419
Ion Ratio Lower Upper
146 100
148 64.8 51.4 77.0
75 28.3 24.9 37.3





#13

1,4-Dichlorobenzene

Concen: 49.032 ng

RT: 8.051 min Scan# 811

Delta R.T. -0.006 min

Lab File: BM039988.D

Acq: 24 May 2023 17:35

Instrument :

BNA_M

ClientSampleId :

MID2-44(10-11)MSD

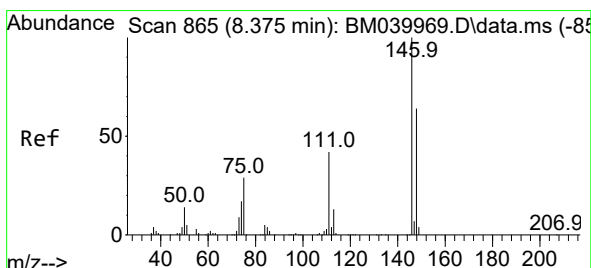
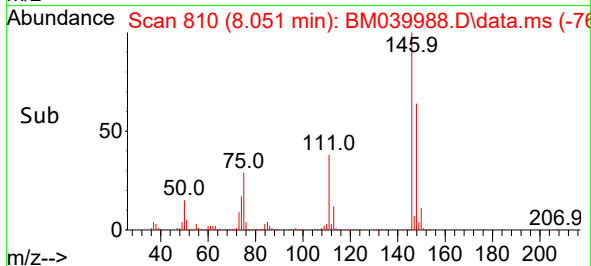
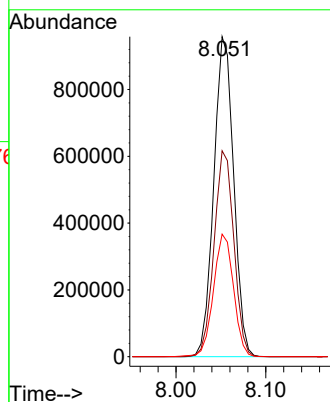
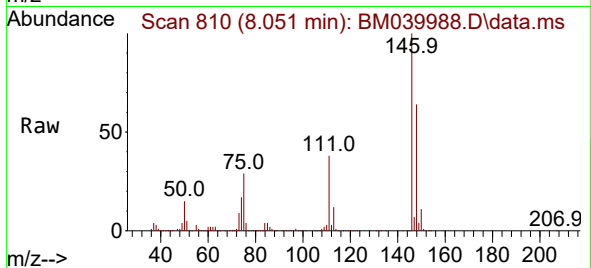
Tgt Ion:146 Resp: 1472837

Ion Ratio Lower Upper

146 100

148 64.4 51.8 77.8

111 38.3 31.4 47.0



#14

1,2-Dichlorobenzene

Concen: 47.434 ng

RT: 8.375 min Scan# 865

Delta R.T. 0.000 min

Lab File: BM039988.D

Acq: 24 May 2023 17:35

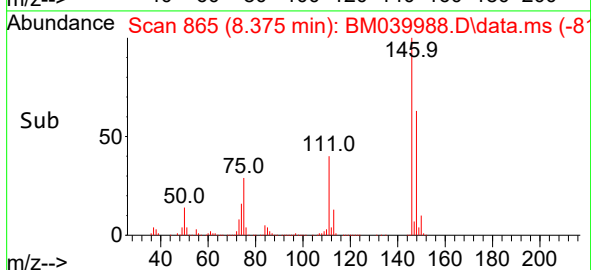
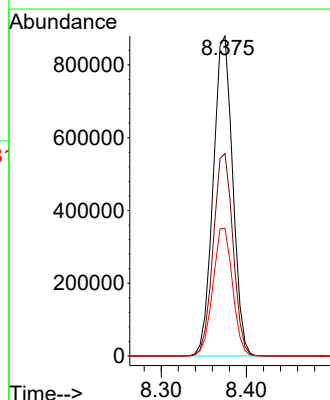
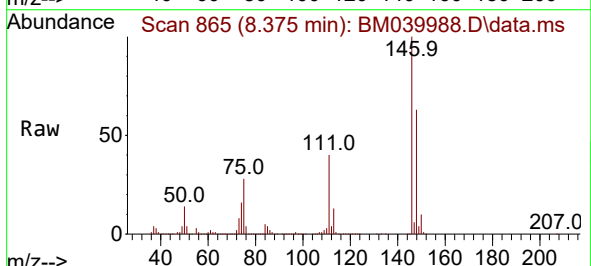
Tgt Ion:146 Resp: 1397161

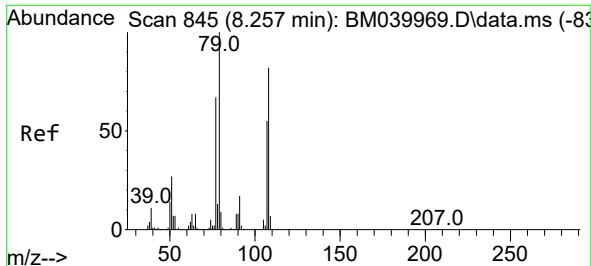
Ion Ratio Lower Upper

146 100

148 63.2 51.2 76.8

111 39.9 33.5 50.3

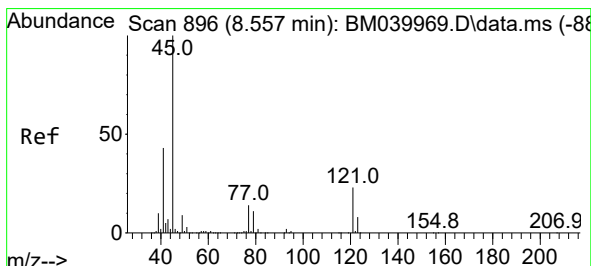
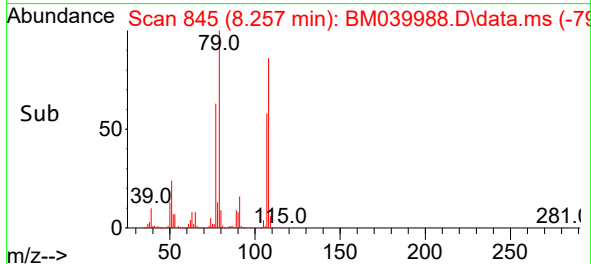
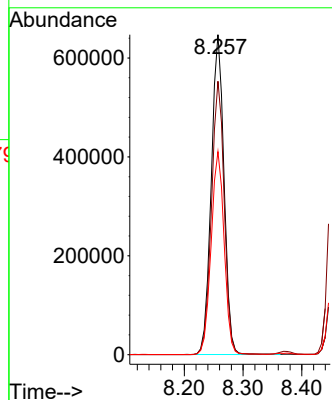
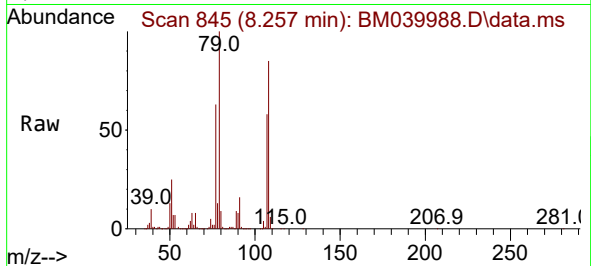




#15
Benzyl Alcohol
Concen: 43.758 ng
RT: 8.257 min Scan# 845
Delta R.T. 0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

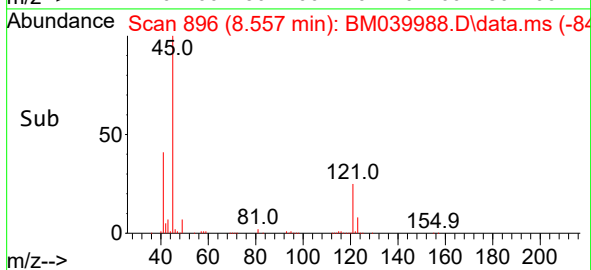
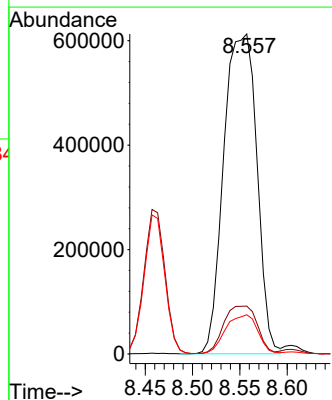
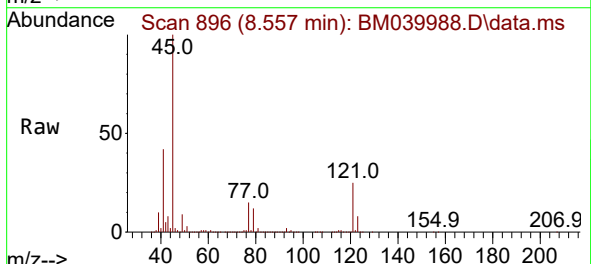
Instrument :
BNA_M
ClientSampleId :
MID2-44(10-11)MSD

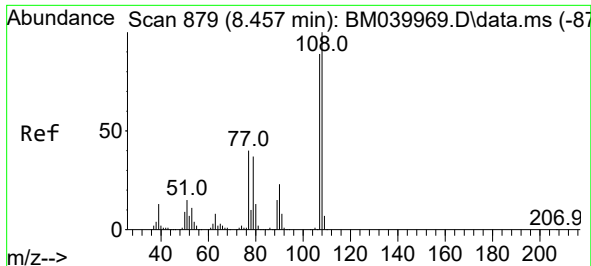
Tgt Ion: 79 Resp: 974554
Ion Ratio Lower Upper
79 100
108 85.5 65.4 98.2
77 63.5 53.6 80.4



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.650 ng
RT: 8.557 min Scan# 896
Delta R.T. 0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

Tgt Ion: 45 Resp: 1487457
Ion Ratio Lower Upper
45 100
77 15.0 0.0 34.7
79 12.2 0.0 31.3

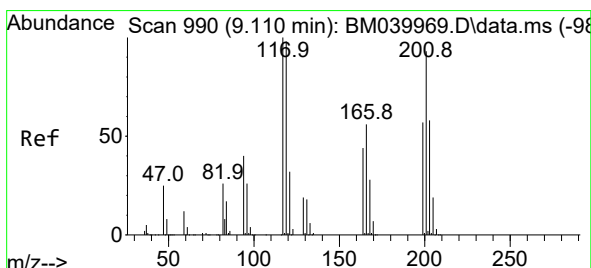
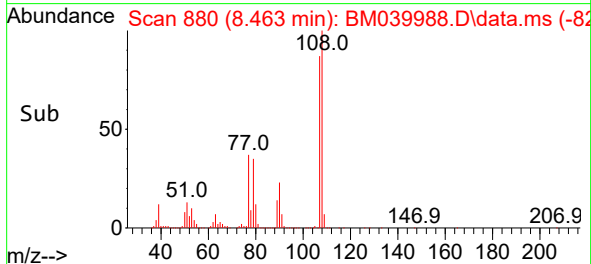
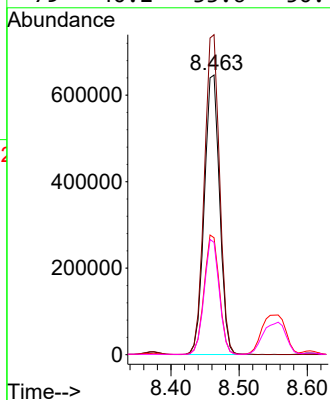
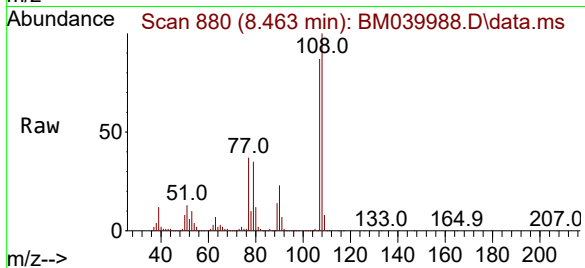




#17
2-Methylphenol
Concen: 40.742 ng
RT: 8.463 min Scan# 81
Delta R.T. 0.006 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

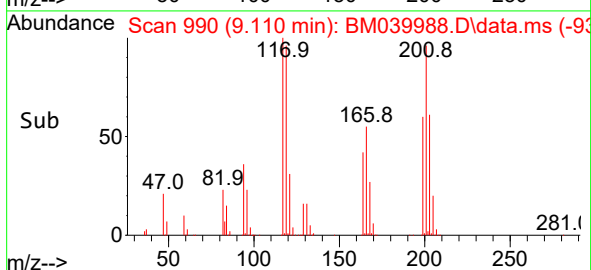
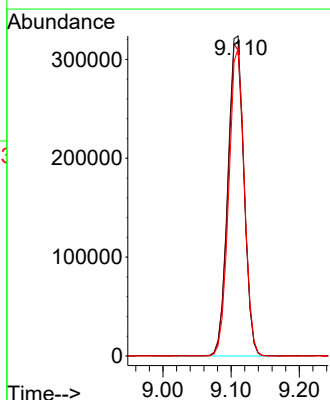
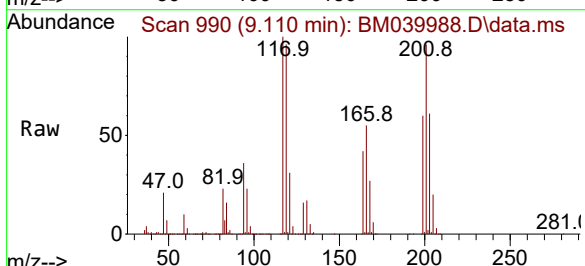
Instrument :
BNA_M
ClientSampleId :
MID2-44(10-11)MSD

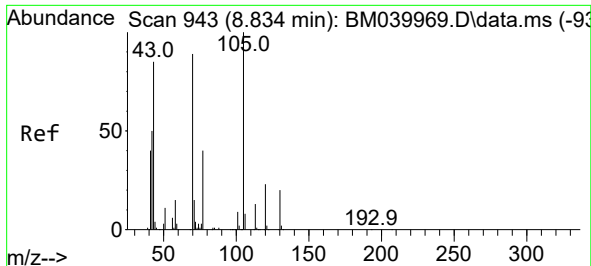
Tgt Ion:107 Resp: 1009490
Ion Ratio Lower Upper
107 100
108 114.4 89.8 134.8
77 41.8 35.6 53.4
79 40.2 33.6 50.4



#18
Hexachloroethane
Concen: 49.021 ng
RT: 9.110 min Scan# 990
Delta R.T. 0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

Tgt Ion:117 Resp: 533848
Ion Ratio Lower Upper
117 100
119 95.6 78.8 118.2
201 96.2 74.3 111.5

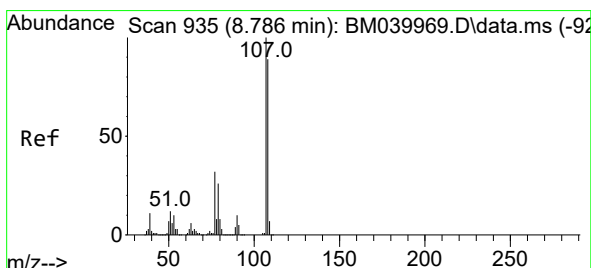
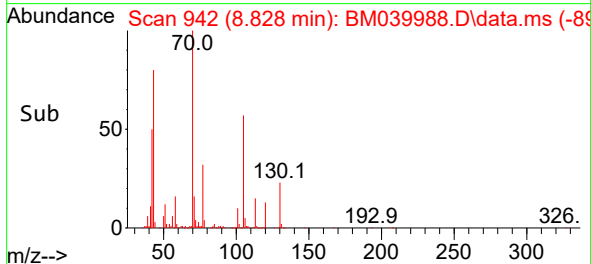
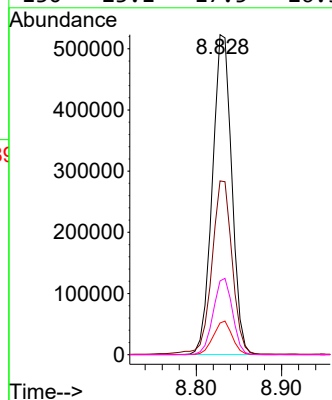
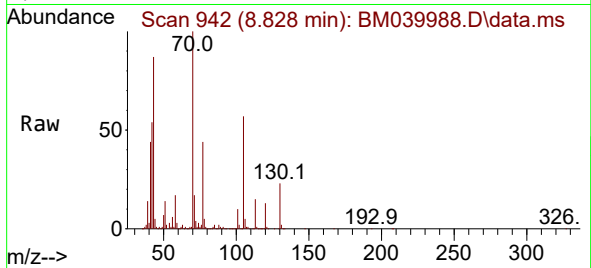




#19
n-Nitroso-di-n-propylamine
Concen: 41.190 ng
RT: 8.828 min Scan# 943
Delta R.T. -0.006 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

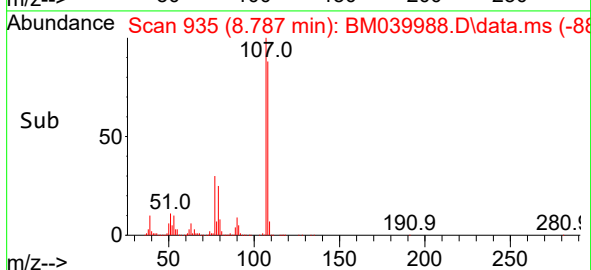
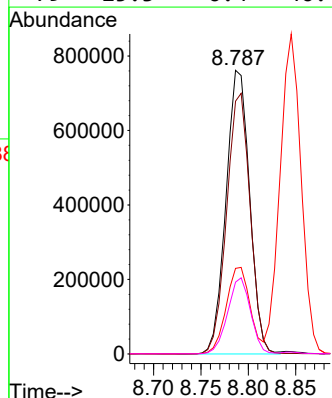
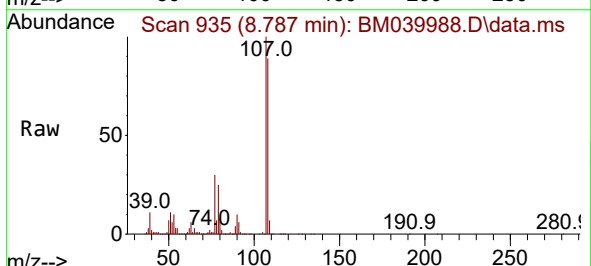
Instrument :
BNA_M
ClientSampleId :
MID2-44(10-11)MSD

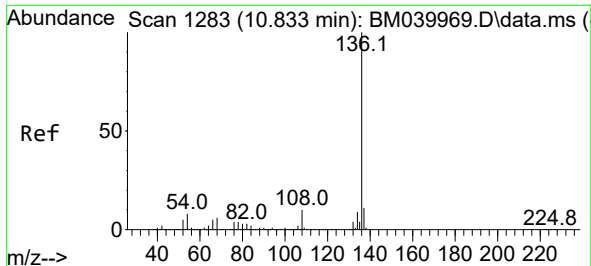
Tgt Ion: 70 Resp: 824256
Ion Ratio Lower Upper
70 100
42 54.3 45.6 68.4
101 9.9 7.7 11.5
130 23.1 17.5 26.3



#20
3+4-Methylphenols
Concen: 40.419 ng
RT: 8.787 min Scan# 935
Delta R.T. 0.001 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

Tgt Ion: 107 Resp: 1321561
Ion Ratio Lower Upper
107 100
108 89.1 69.3 109.3
77 30.2 11.7 51.7
79 25.3 6.4 46.4

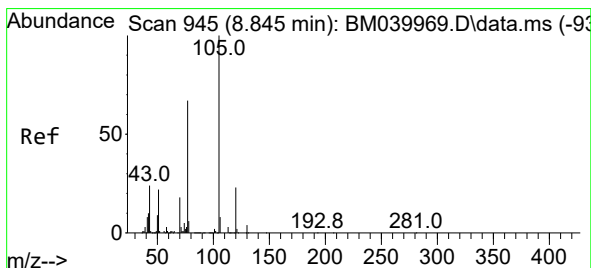
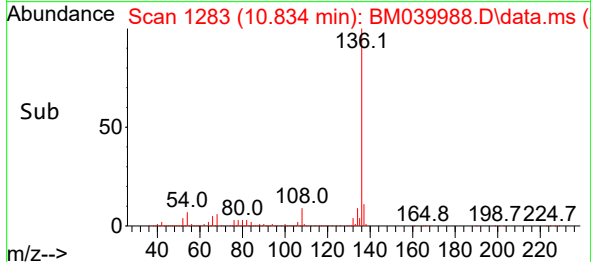
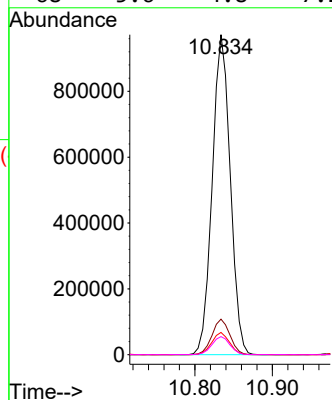
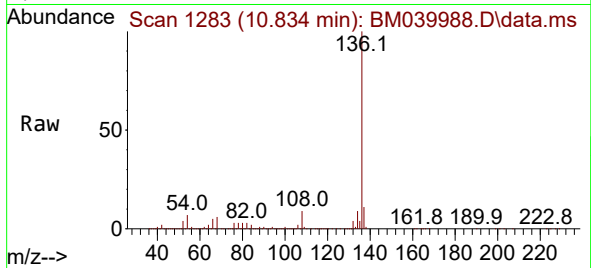




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.834 min Scan# 1283
Delta R.T. 0.001 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

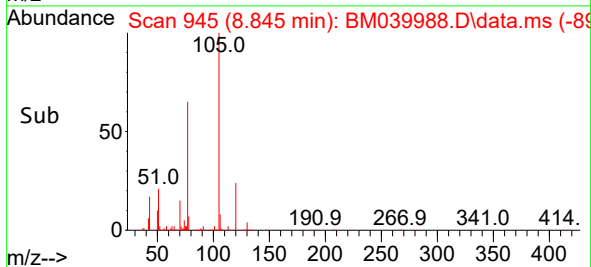
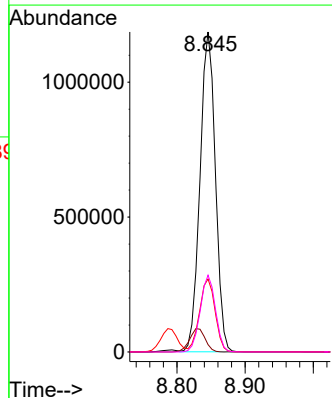
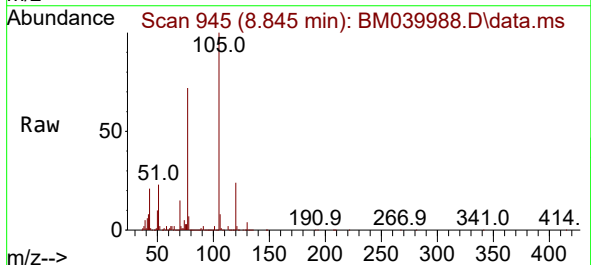
Instrument :
BNA_M
ClientSampleId :
MID2-44(10-11)MSD

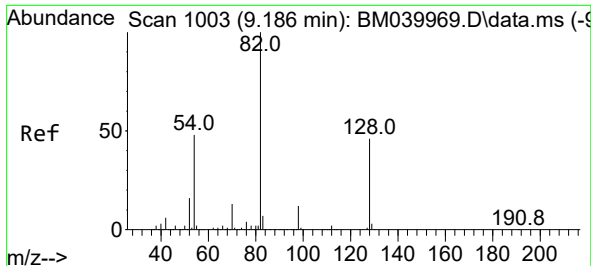
Tgt Ion:136 Resp: 1566381
Ion Ratio Lower Upper
136 100
137 11.1 8.7 13.1
54 7.0 6.1 9.1
68 5.6 4.8 7.2



#22
Acetophenone
Concen: 43.945 ng
RT: 8.845 min Scan# 945
Delta R.T. 0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

Tgt Ion:105 Resp: 1857927
Ion Ratio Lower Upper
105 100
71 2.3 2.2 3.4
51 22.8 19.8 29.8
120 24.0 18.6 28.0

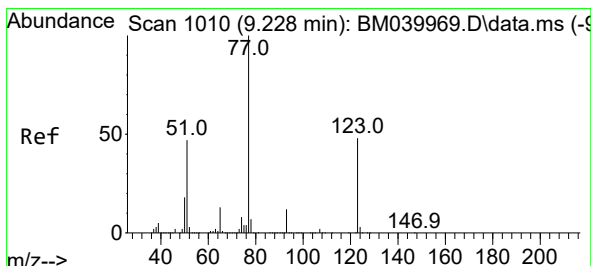
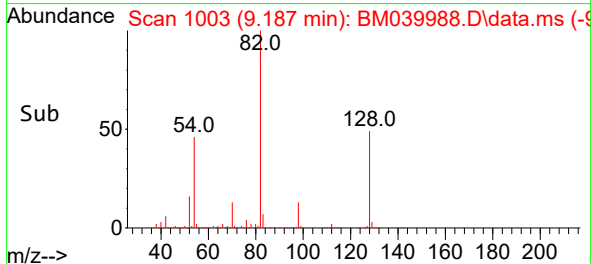
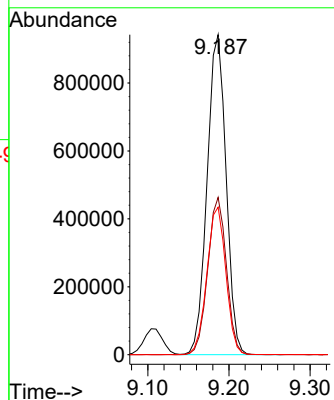
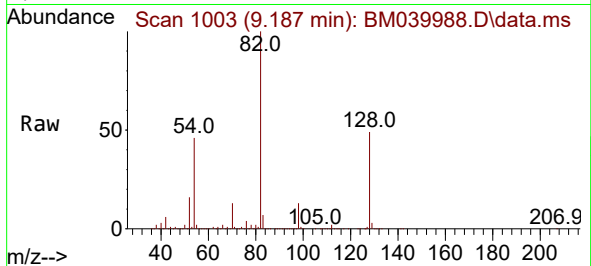




#23
Nitrobenzene-d5
Concen: 52.637 ng
RT: 9.187 min Scan# 1003
Delta R.T. 0.001 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

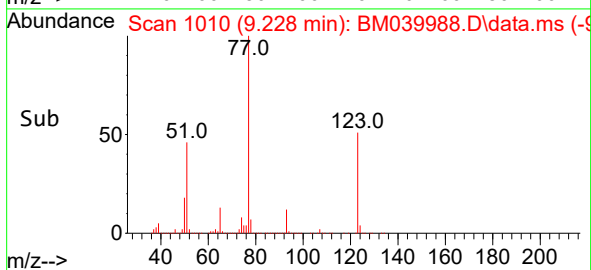
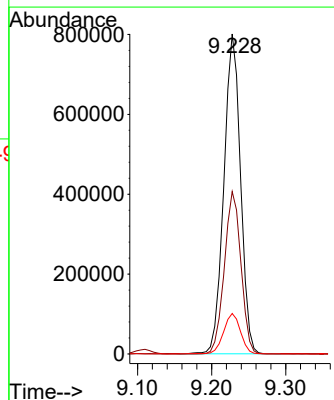
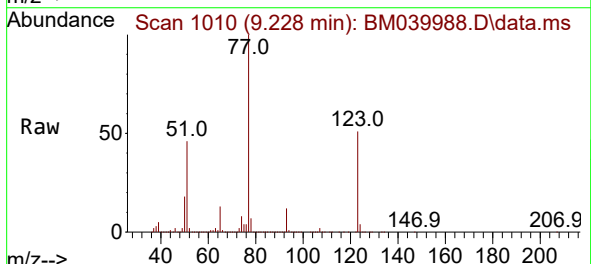
Instrument :
BNA_M
ClientSampleId :
MID2-44(10-11)MSD

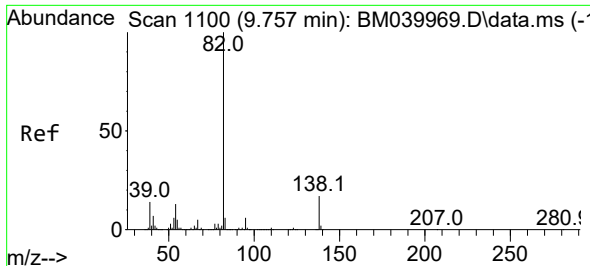
Tgt Ion: 82 Resp: 1527973
Ion Ratio Lower Upper
82 100
128 49.2 36.5 54.7
54 46.1 38.3 57.5



#24
Nitrobenzene
Concen: 42.397 ng
RT: 9.228 min Scan# 1010
Delta R.T. 0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

Tgt Ion: 77 Resp: 1248378
Ion Ratio Lower Upper
77 100
123 50.7 38.1 57.1
65 12.6 10.1 15.1

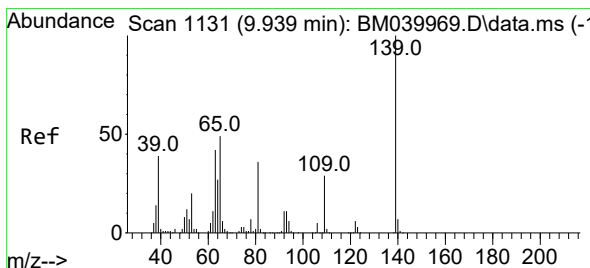
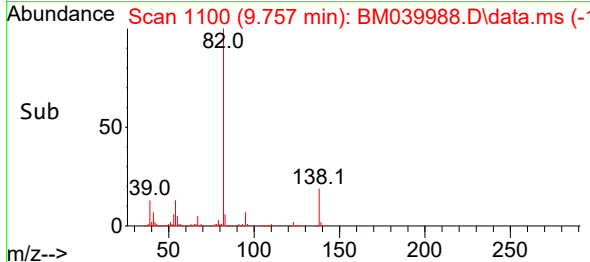
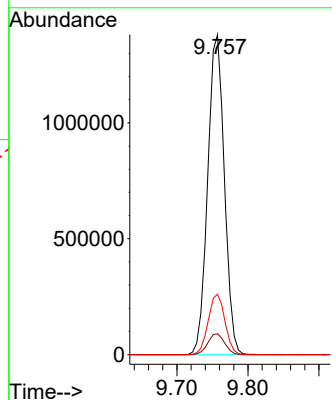
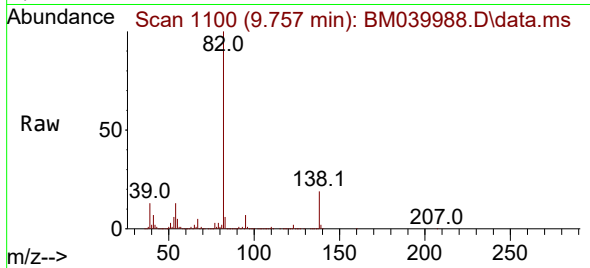




#25
Isophorone
Concen: 42.520 ng
RT: 9.757 min Scan# 1100
Delta R.T. 0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

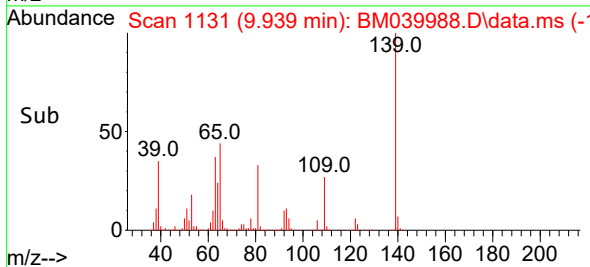
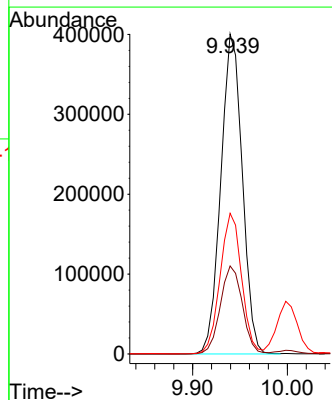
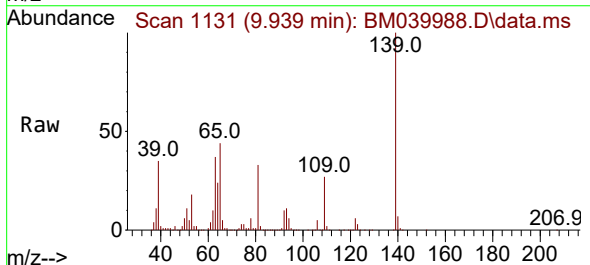
Instrument :
BNA_M
ClientSampleId :
MID2-44(10-11)MSD

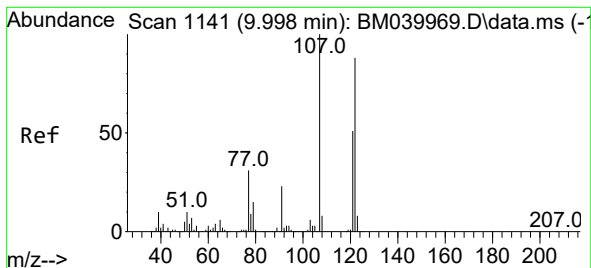
Tgt Ion: 82 Resp: 2250922
Ion Ratio Lower Upper
82 100
95 6.5 5.2 7.8
138 18.9 13.8 20.8



#26
2-Nitrophenol
Concen: 60.685 ng
RT: 9.939 min Scan# 1131
Delta R.T. 0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

Tgt Ion: 139 Resp: 632295
Ion Ratio Lower Upper
139 100
109 27.5 23.4 35.2
65 43.9 39.4 59.2

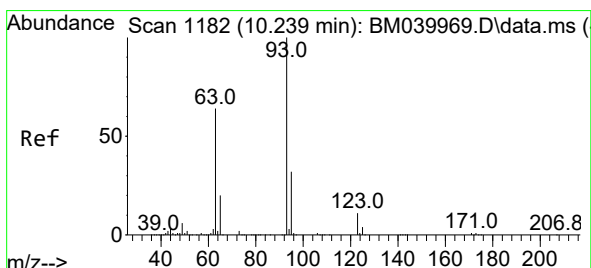
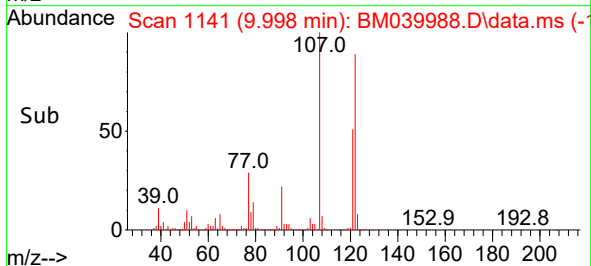
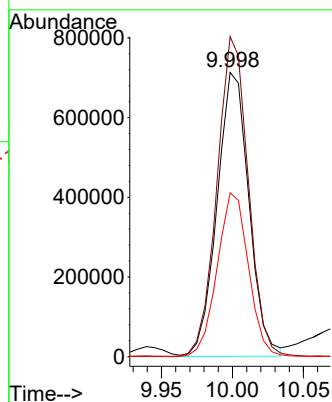
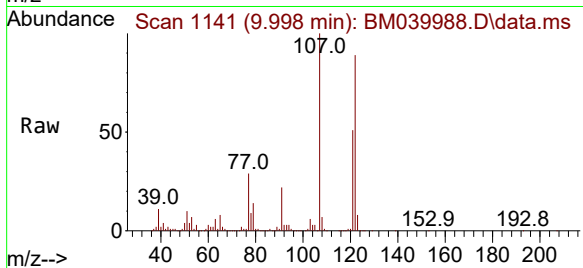




#27
2,4-Dimethylphenol
Concen: 46.858 ng
RT: 9.998 min Scan# 1141
Delta R.T. 0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

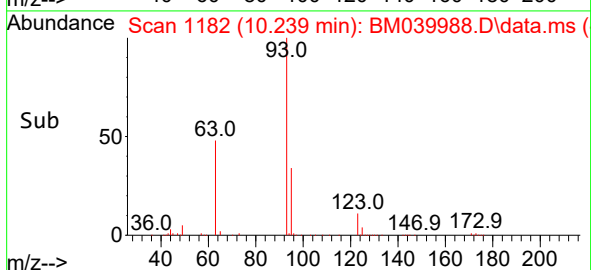
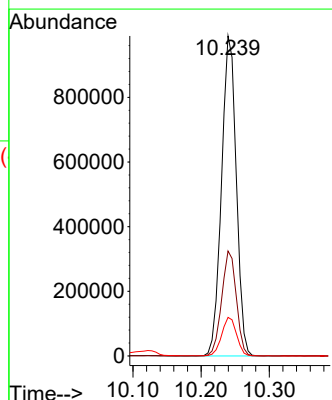
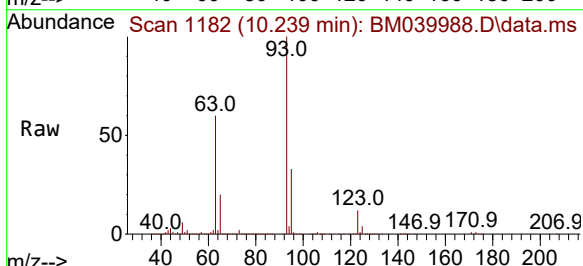
Instrument :
BNA_M
ClientSampleId :
MID2-44(10-11)MSD

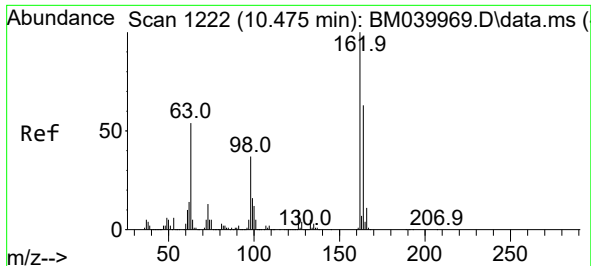
Tgt Ion:122 Resp: 1112006
Ion Ratio Lower Upper
122 100
107 112.5 91.0 136.4
121 57.6 45.9 68.9



#28
bis(2-Chloroethoxy)methane
Concen: 42.960 ng
RT: 10.239 min Scan# 1182
Delta R.T. 0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

Tgt Ion: 93 Resp: 1491010
Ion Ratio Lower Upper
93 100
95 32.8 25.7 38.5
123 12.0 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 47.198 ng

RT: 10.475 min Scan# 1222

Delta R.T. -0.000 min

Lab File: BM039988.D

Acq: 24 May 2023 17:35

Instrument :

BNA_M

ClientSampleId :

MID2-44(10-11)MSD

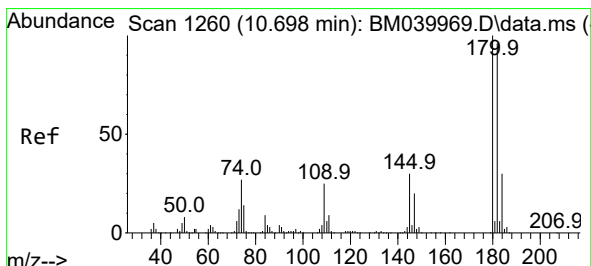
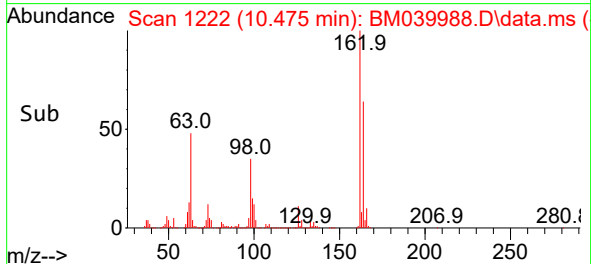
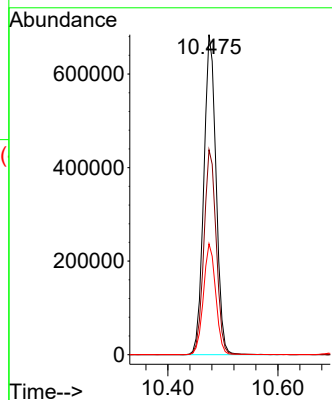
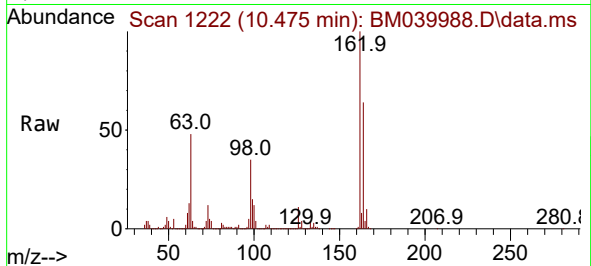
Tgt Ion:162 Resp: 1061209

Ion Ratio Lower Upper

162 100

164 64.0 43.3 83.3

98 34.7 16.6 56.6



#30

1,2,4-Trichlorobenzene

Concen: 47.493 ng

RT: 10.698 min Scan# 1260

Delta R.T. 0.000 min

Lab File: BM039988.D

Acq: 24 May 2023 17:35

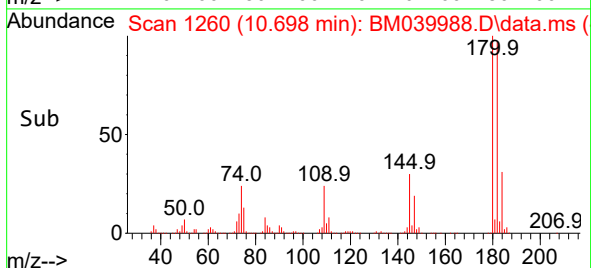
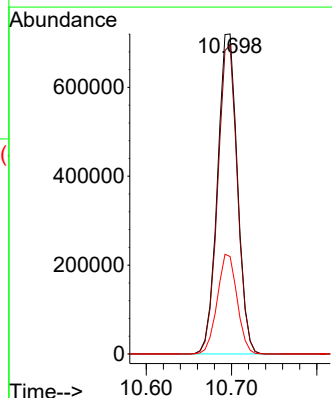
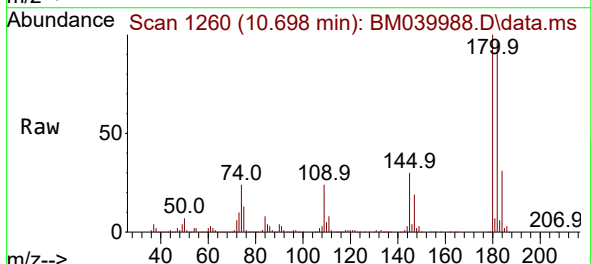
Tgt Ion:180 Resp: 1169064

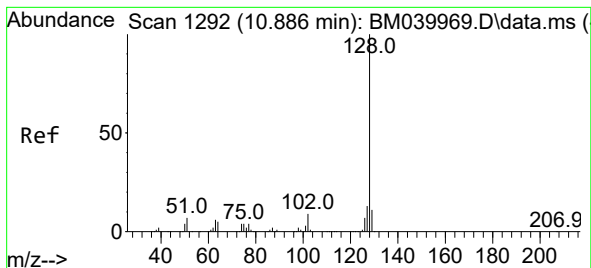
Ion Ratio Lower Upper

180 100

182 96.5 76.9 115.3

145 30.5 24.1 36.1





#31

Naphthalene

Concen: 44.043 ng

RT: 10.886 min Scan# 1163

Delta R.T. 0.000 min

Lab File: BM039988.D

Acq: 24 May 2023 17:35

Instrument :

BNA_M

ClientSampleId :

MID2-44(10-11)MSD

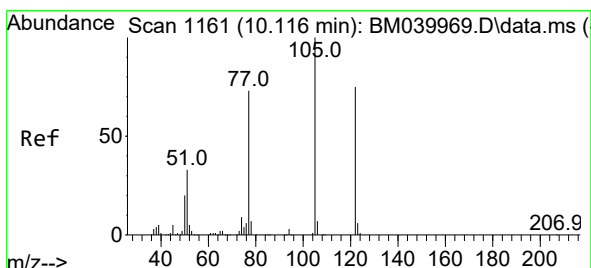
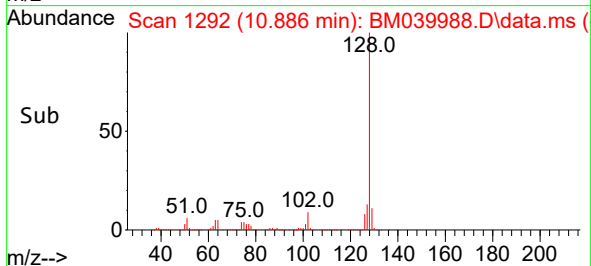
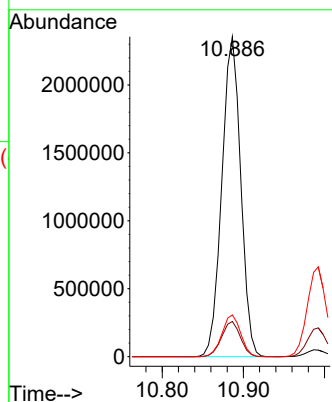
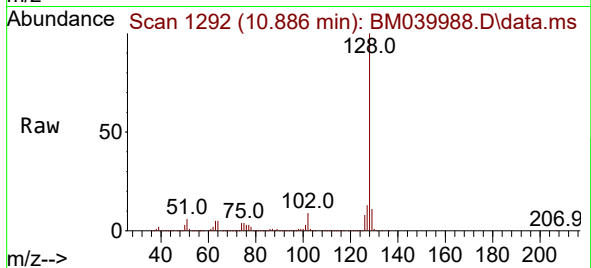
Tgt Ion:128 Resp: 3806426

Ion Ratio Lower Upper

128 100

129 11.0 8.7 13.1

127 13.1 10.4 15.6



#32

Benzoic acid

Concen: 44.874 ng

RT: 10.128 min Scan# 1163

Delta R.T. 0.012 min

Lab File: BM039988.D

Acq: 24 May 2023 17:35

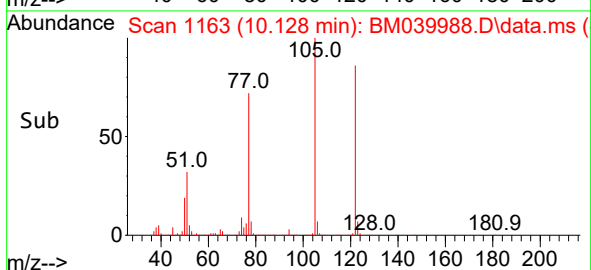
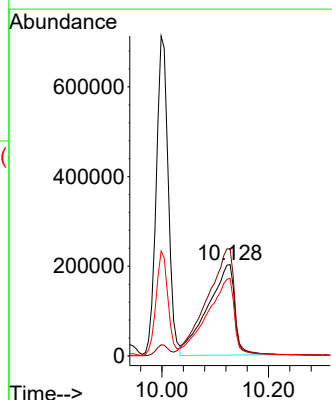
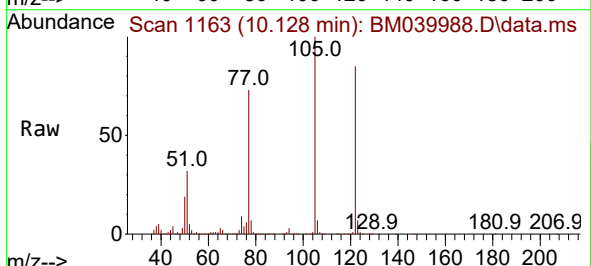
Tgt Ion:122 Resp: 707964

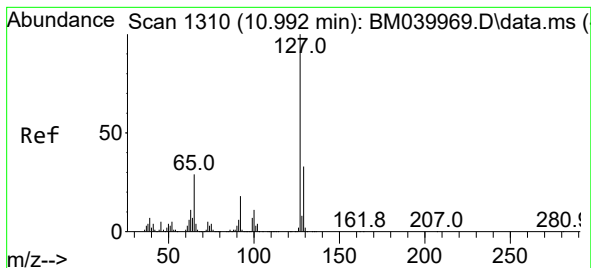
Ion Ratio Lower Upper

122 100

105 117.0 106.0 146.0

77 84.9 74.7 114.7



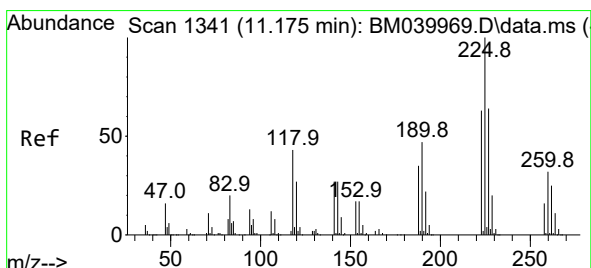
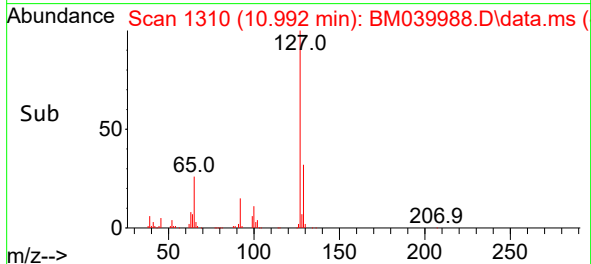
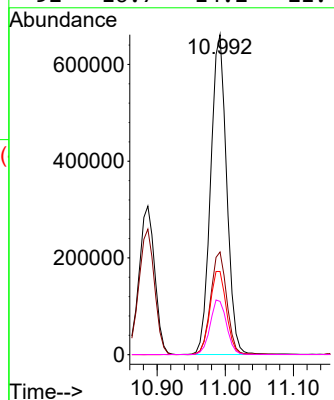
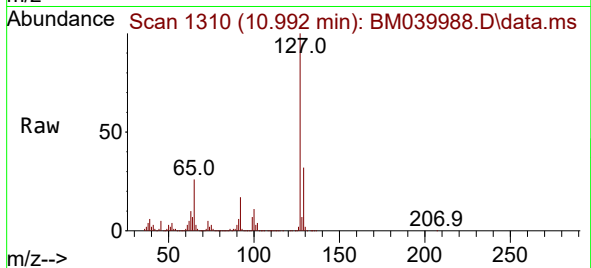


#33
4-Chloroaniline
Concen: 29.682 ng
RT: 10.992 min Scan# 1310
Delta R.T. 0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

Instrument :
BNA_M
ClientSampleId :
MID2-44(10-11)MSD

Tgt Ion:127 Resp: 1080995

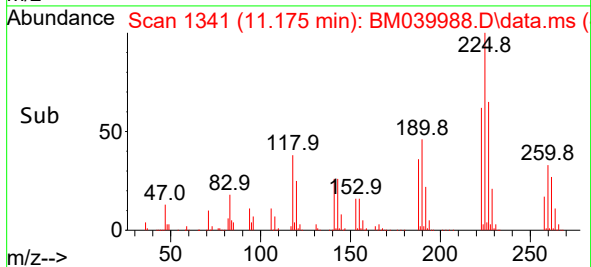
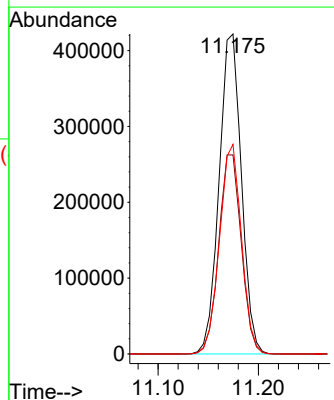
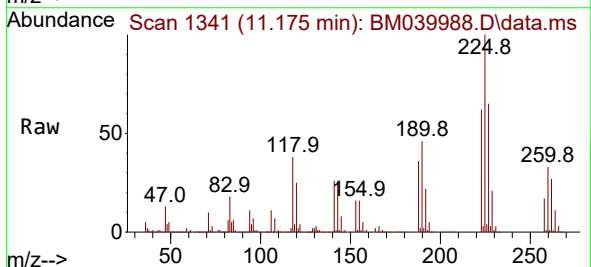
Ion	Ratio	Lower	Upper
127	100		
129	32.1	26.2	39.2
65	26.0	23.1	34.7
92	16.7	14.2	21.4

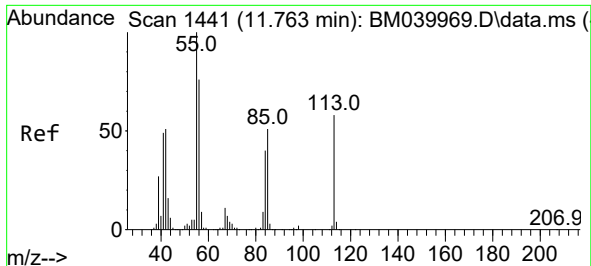


#34
Hexachlorobutadiene
Concen: 47.150 ng
RT: 11.175 min Scan# 1341
Delta R.T. 0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

Tgt Ion:225 Resp: 651445

Ion	Ratio	Lower	Upper
225	100		
223	62.2	50.3	75.5
227	65.5	51.0	76.4

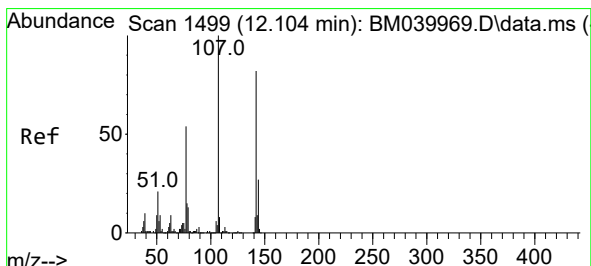
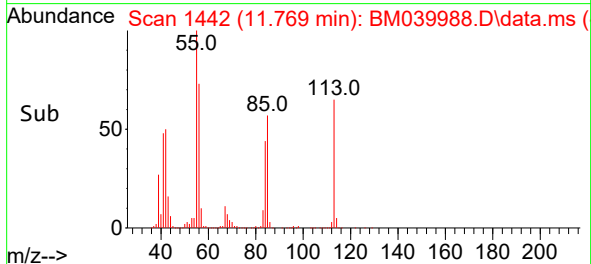
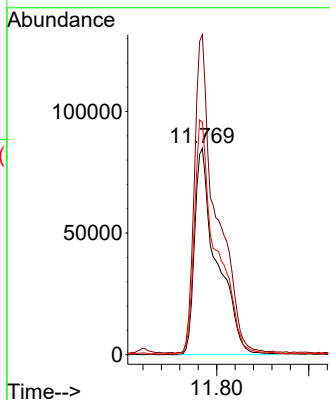
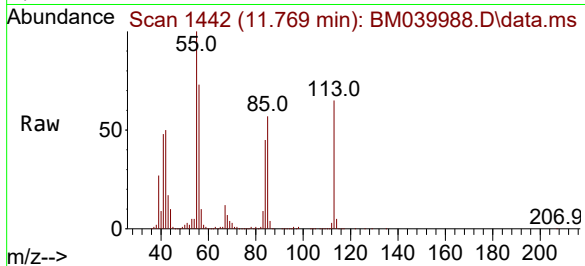




#35
Caprolactam
Concen: 44.563 ng
RT: 11.769 min Scan# 1441
Delta R.T. 0.006 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

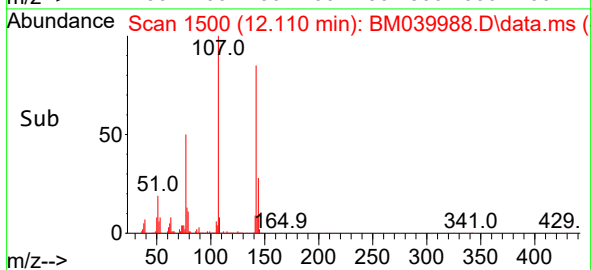
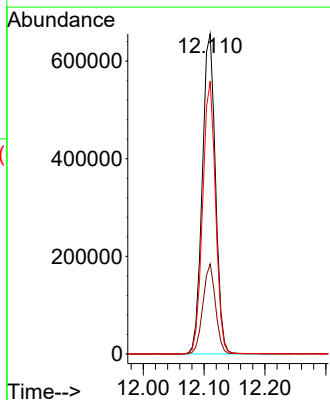
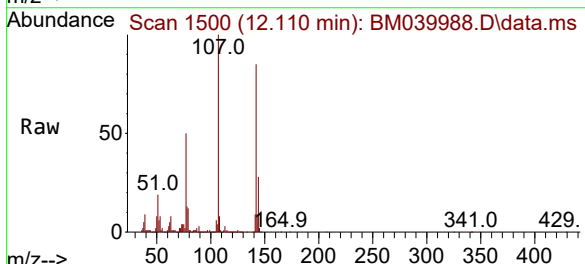
Instrument :
BNA_M
ClientSampleId :
MID2-44(10-11)MSD

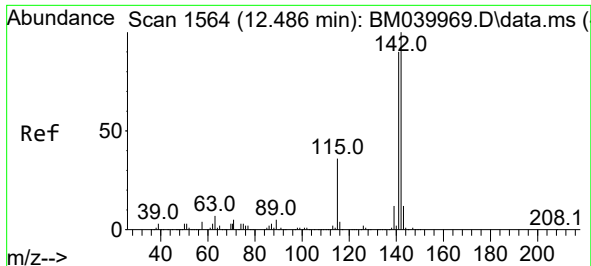
Tgt Ion:113 Resp: 282937
Ion Ratio Lower Upper
113 100
55 155.0 152.5 192.5
56 112.6 111.2 151.2



#36
4-Chloro-3-methylphenol
Concen: 42.571 ng
RT: 12.110 min Scan# 1500
Delta R.T. 0.006 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

Tgt Ion:107 Resp: 989342
Ion Ratio Lower Upper
107 100
144 28.2 21.4 32.2
142 85.2 65.8 98.6

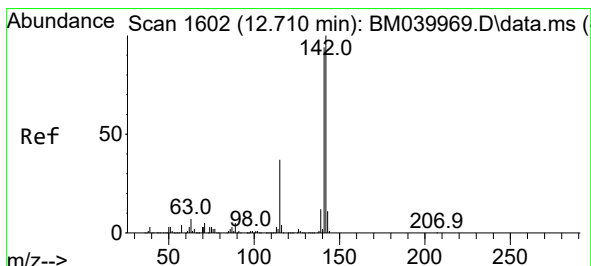
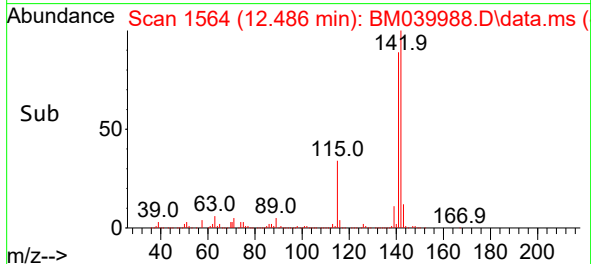
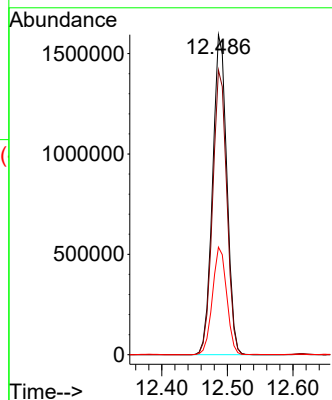
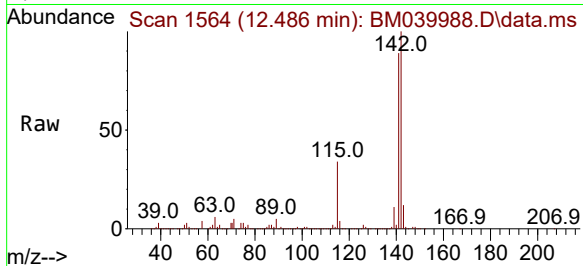




#37
2-Methylnaphthalene
Concen: 41.720 ng
RT: 12.486 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

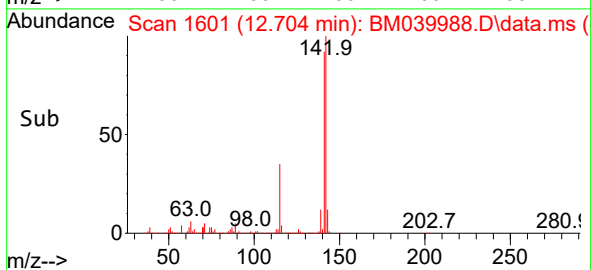
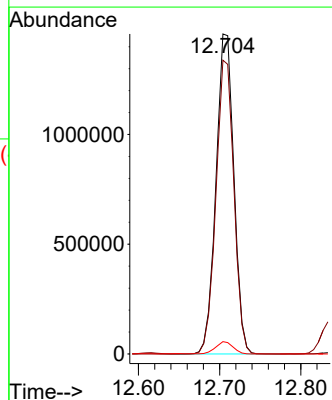
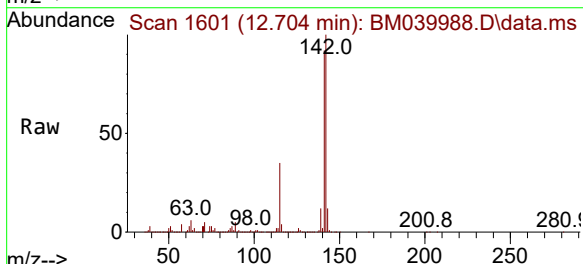
Instrument :
BNA_M
ClientSampleId :
MID2-44(10-11)MSD

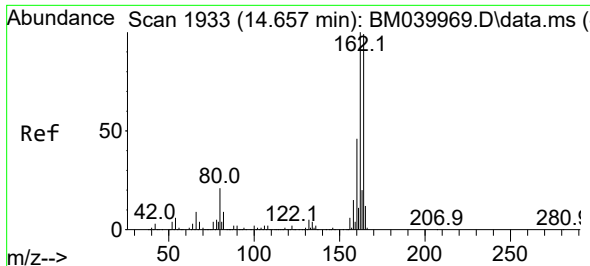
Tgt Ion:142 Resp: 2403357
Ion Ratio Lower Upper
142 100
141 89.0 71.6 107.4
115 33.6 28.8 43.2



#38
1-Methylnaphthalene
Concen: 41.433 ng
RT: 12.704 min Scan# 1601
Delta R.T. -0.006 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

Tgt Ion:142 Resp: 2234277
Ion Ratio Lower Upper
142 100
141 91.8 75.1 112.7
116 3.9 3.2 4.8

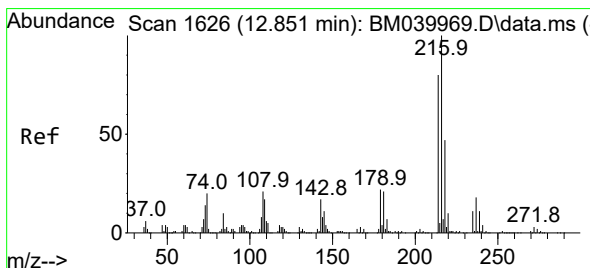
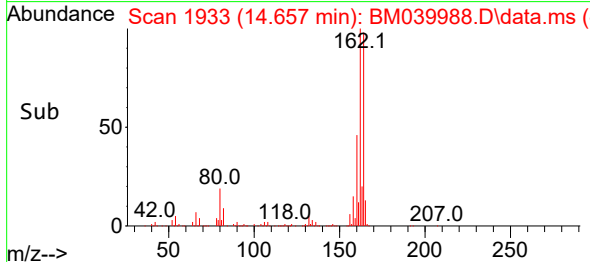
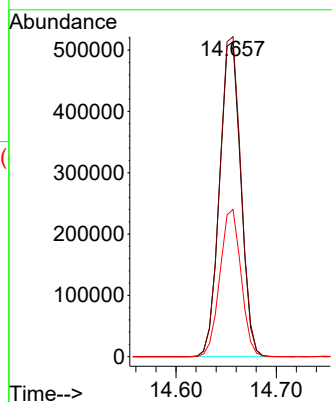
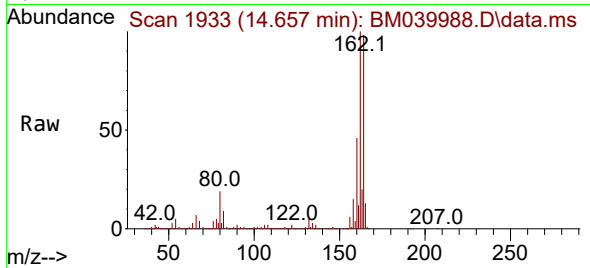




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.657 min Scan# 1933
Delta R.T. 0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

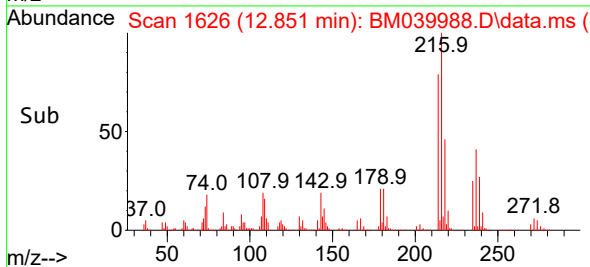
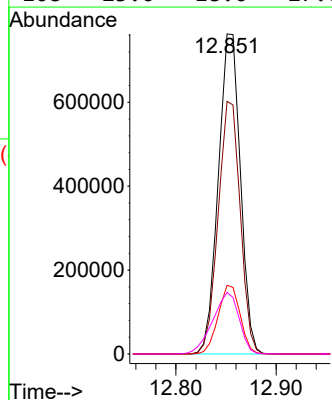
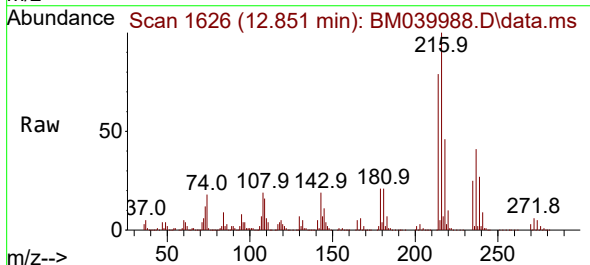
Instrument :
BNA_M
ClientSampleId :
MID2-44(10-11)MSD

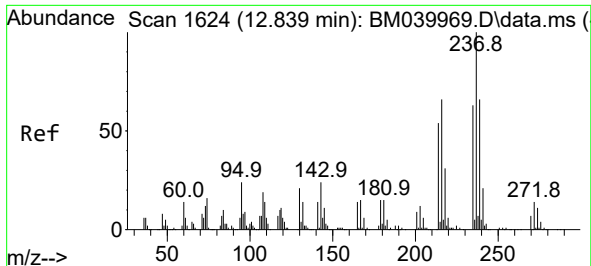
Tgt Ion:164 Resp: 753540
Ion Ratio Lower Upper
164 100
162 101.6 80.6 120.8
160 46.8 36.7 55.1



#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.933 ng
RT: 12.851 min Scan# 1626
Delta R.T. 0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

Tgt Ion:216 Resp: 1166228
Ion Ratio Lower Upper
216 100
214 78.7 63.8 95.6
179 21.4 17.4 26.2
108 23.0 18.0 27.0

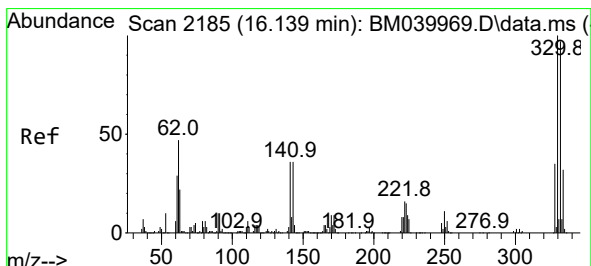
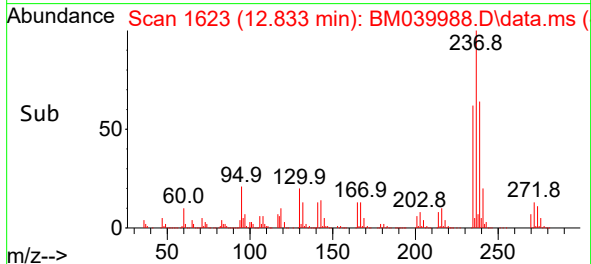
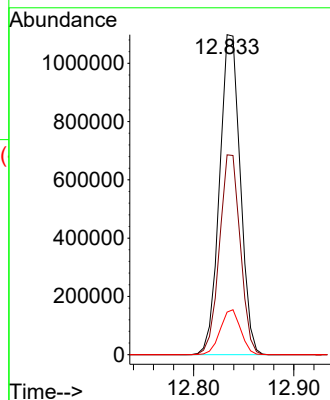
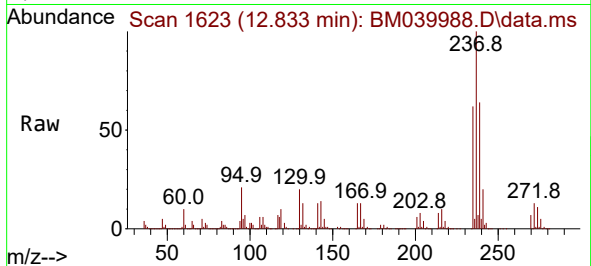




#41
Hexachlorocyclopentadiene
Concen: 127.827 ng
RT: 12.833 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

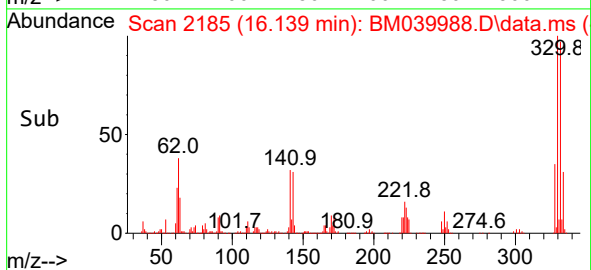
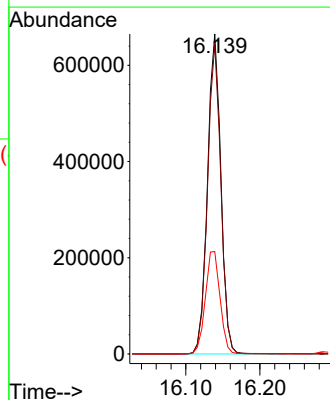
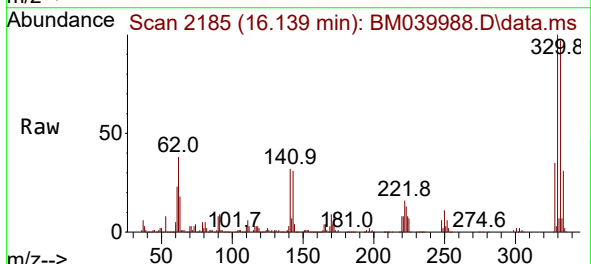
Instrument :
BNA_M
ClientSampleId :
MID2-44(10-11)MSD

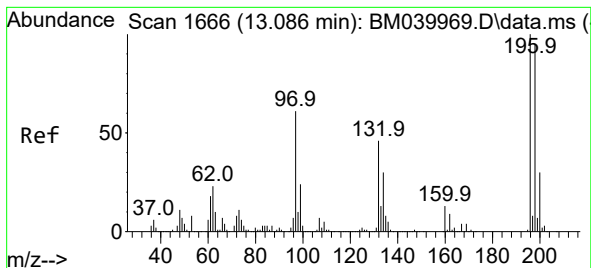
Tgt Ion:237 Resp: 1576023
Ion Ratio Lower Upper
237 100
235 62.4 43.2 83.2
272 13.3 0.0 33.6



#42
2,4,6-Tribromophenol
Concen: 85.366 ng
RT: 16.139 min Scan# 2185
Delta R.T. 0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

Tgt Ion:330 Resp: 834908
Ion Ratio Lower Upper
330 100
332 96.2 77.4 116.2
141 35.3 31.6 47.4





#43

2,4,6-Trichlorophenol

Concen: 49.690 ng

RT: 13.092 min Scan# 1

Delta R.T. 0.006 min

Lab File: BM039988.D

Acq: 24 May 2023 17:35

Instrument :

BNA_M

ClientSampleId :

MID2-44(10-11)MSD

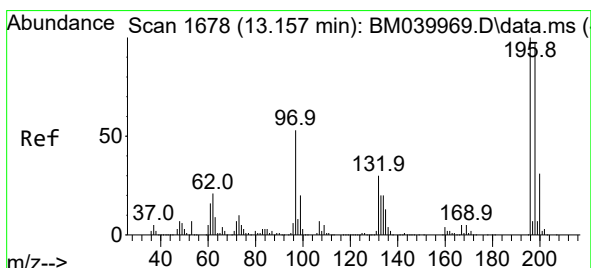
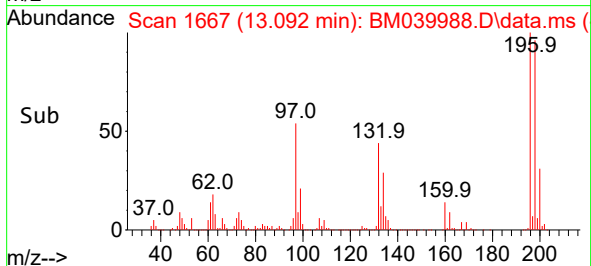
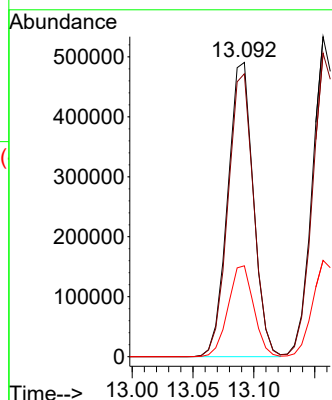
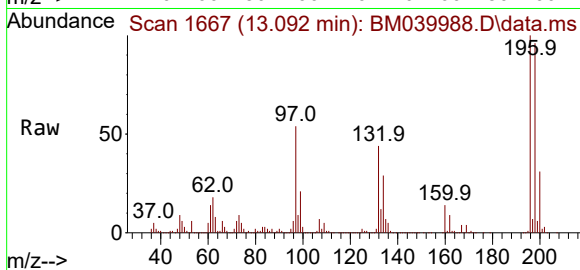
Tgt Ion:196 Resp: 718813

Ion Ratio Lower Upper

196 100

198 96.1 75.7 113.5

200 30.9 23.8 35.8



#44

2,4,5-Trichlorophenol

Concen: 44.031 ng

RT: 13.157 min Scan# 1678

Delta R.T. -0.000 min

Lab File: BM039988.D

Acq: 24 May 2023 17:35

Tgt Ion:196 Resp: 758135

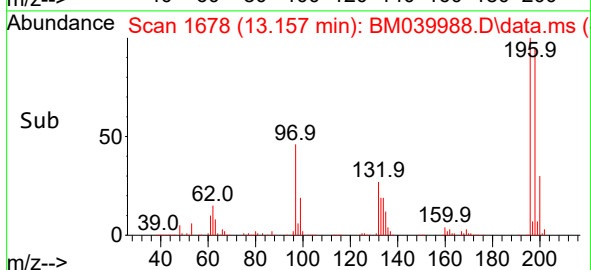
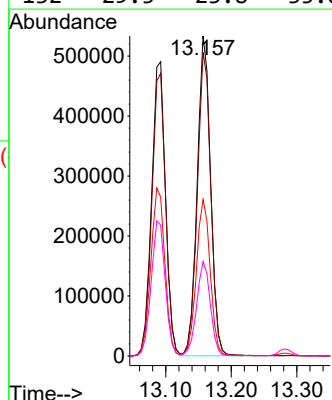
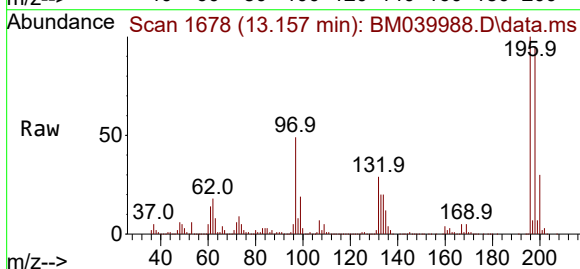
Ion Ratio Lower Upper

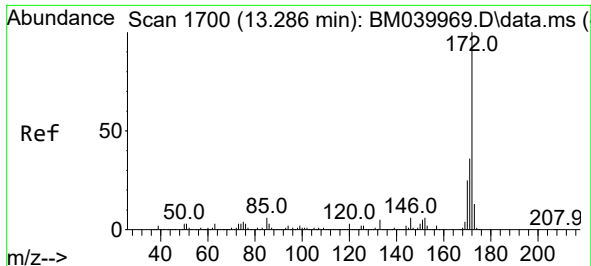
196 100

198 94.9 77.2 115.8

97 48.9 42.2 63.2

132 29.5 23.8 35.8

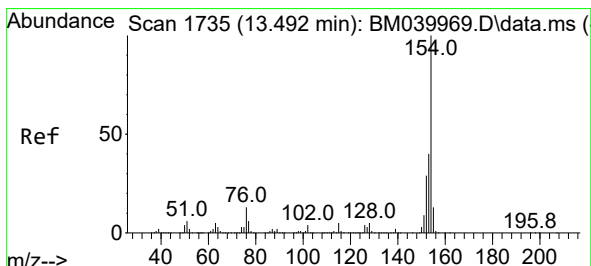
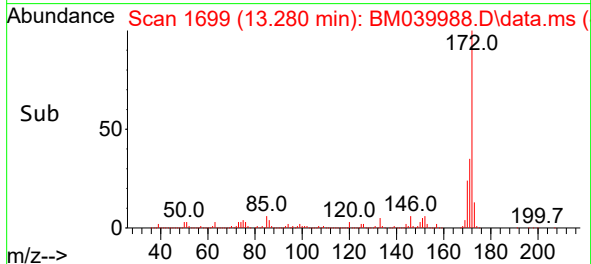
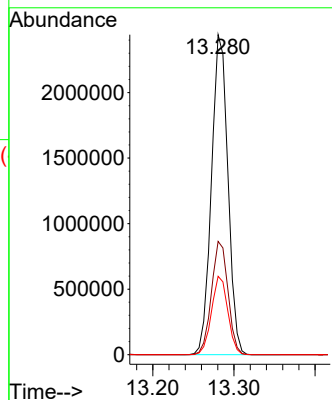
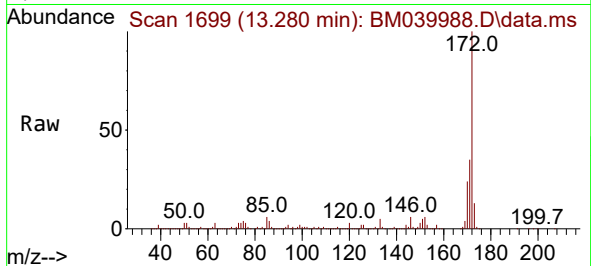




#45
2-Fluorobiphenyl
Concen: 53.730 ng
RT: 13.280 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

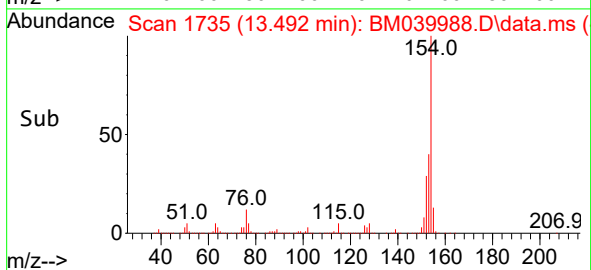
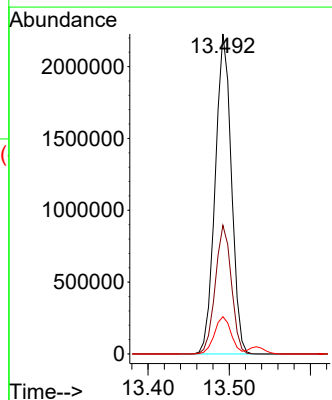
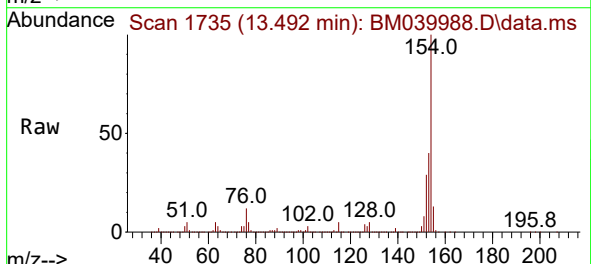
Instrument :
BNA_M
ClientSampleId :
MID2-44(10-11)MSD

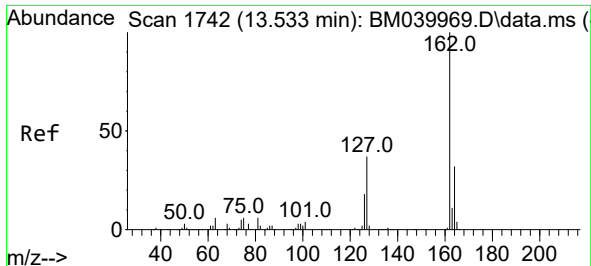
Tgt Ion:172 Resp: 3432637
Ion Ratio Lower Upper
172 100
171 35.4 28.8 43.2
170 24.5 19.6 29.4



#46
1,1'-Biphenyl
Concen: 47.739 ng
RT: 13.492 min Scan# 1735
Delta R.T. 0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

Tgt Ion:154 Resp: 3079812
Ion Ratio Lower Upper
154 100
153 40.2 20.4 60.4
76 11.6 0.0 33.1

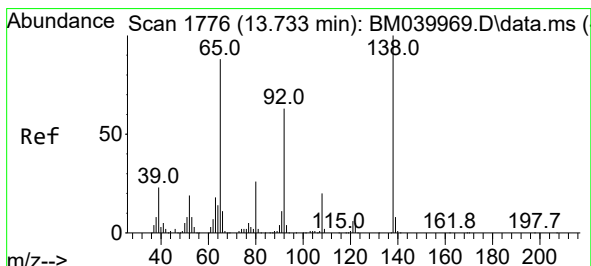
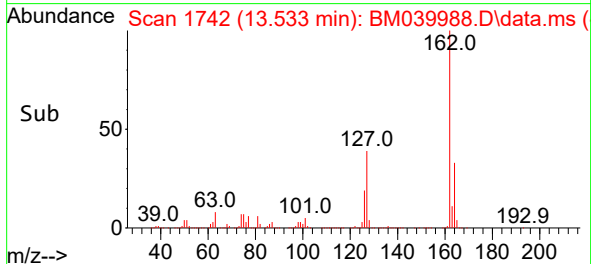
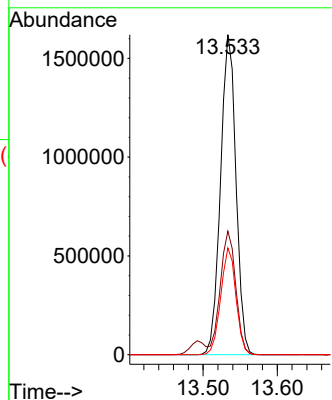
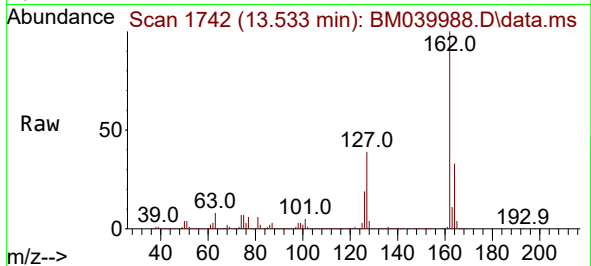




#47
2-Chloronaphthalene
Concen: 48.678 ng
RT: 13.533 min Scan# 1742
Delta R.T. 0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

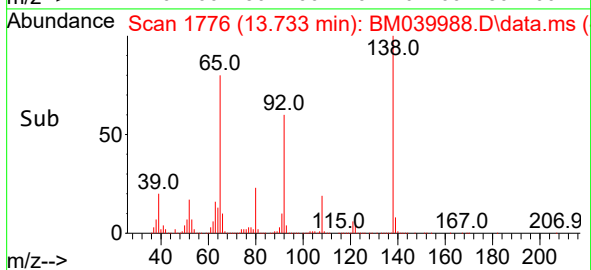
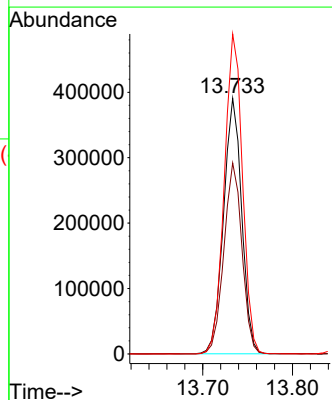
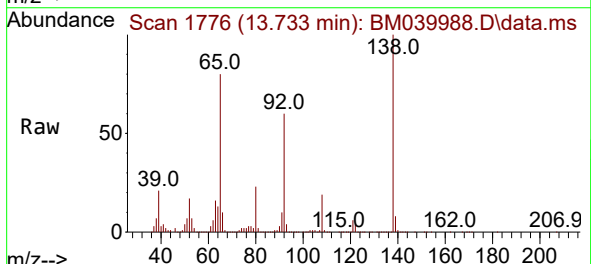
Instrument :
BNA_M
ClientSampleId :
MID2-44(10-11)MSD

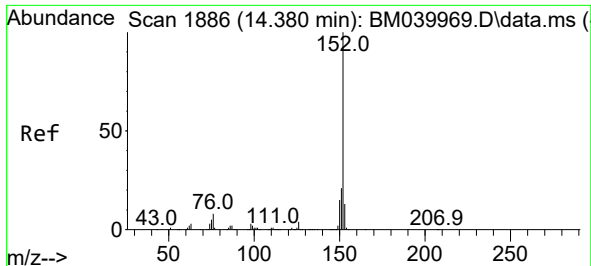
Tgt Ion:162 Resp: 2344166
Ion Ratio Lower Upper
162 100
127 38.6 31.3 46.9
164 33.3 25.8 38.8



#48
2-Nitroaniline
Concen: 42.489 ng
RT: 13.733 min Scan# 1776
Delta R.T. 0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

Tgt Ion: 65 Resp: 549572
Ion Ratio Lower Upper
65 100
92 74.8 57.0 85.6
138 125.2 91.1 136.7

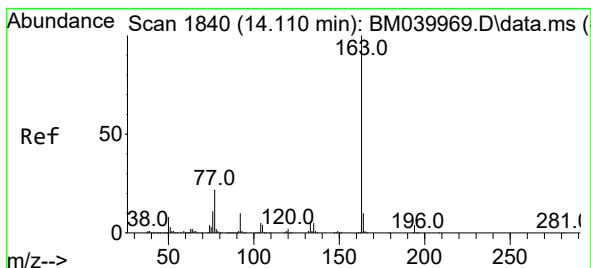
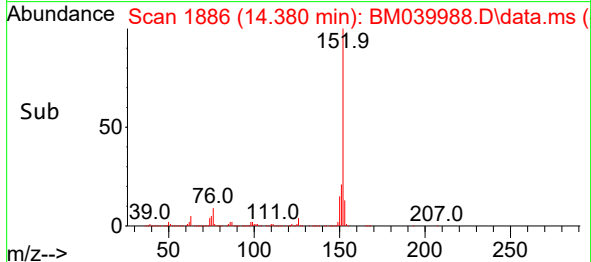
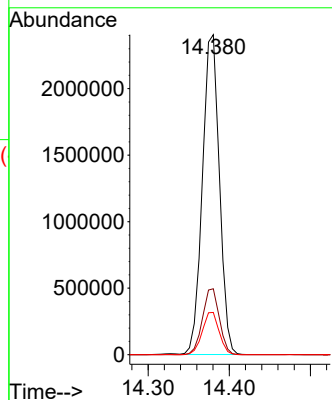
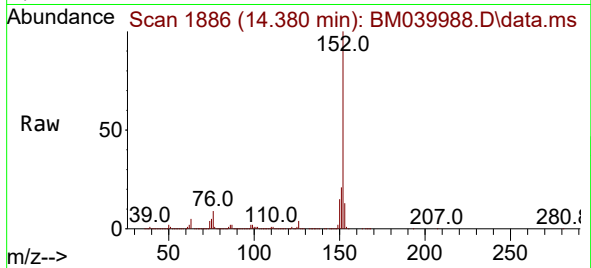




#49
Acenaphthylene
Concen: 46.364 ng
RT: 14.380 min Scan# 1886
Delta R.T. 0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

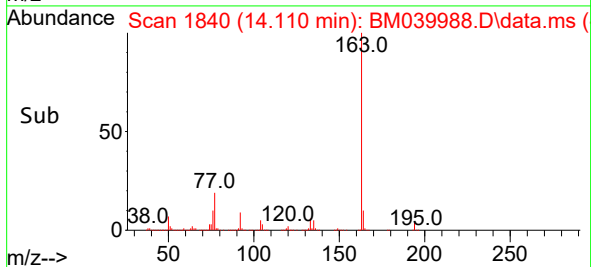
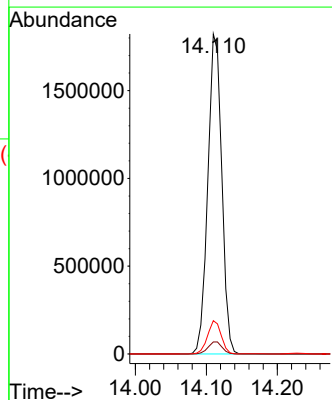
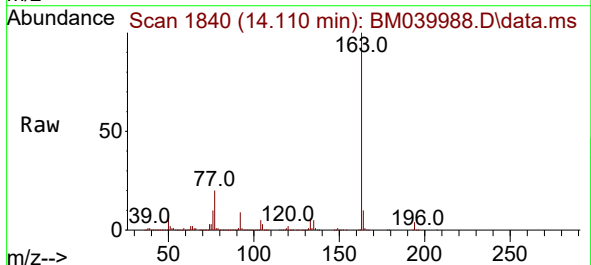
Instrument :
BNA_M
ClientSampleId :
MID2-44(10-11)MSD

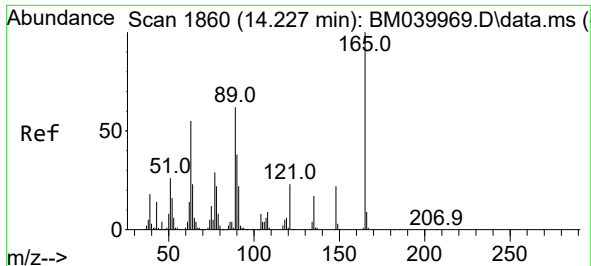
Tgt Ion:152 Resp: 3495315
Ion Ratio Lower Upper
152 100
151 20.6 16.4 24.6
153 13.2 10.3 15.5



#50
Dimethylphthalate
Concen: 43.768 ng
RT: 14.110 min Scan# 1840
Delta R.T. -0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

Tgt Ion:163 Resp: 2486223
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.6
164 10.4 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 47.516 ng

RT: 14.227 min Scan# 1860

Delta R.T. 0.000 min

Lab File: BM039988.D

Acq: 24 May 2023 17:35

Instrument :

BNA_M

ClientSampleId :

MID2-44(10-11)MSD

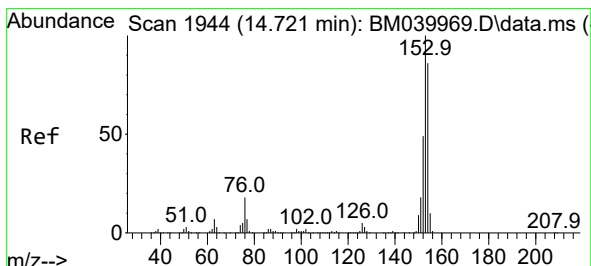
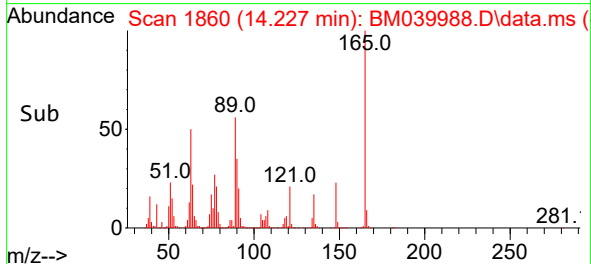
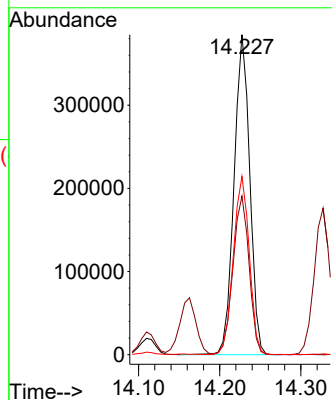
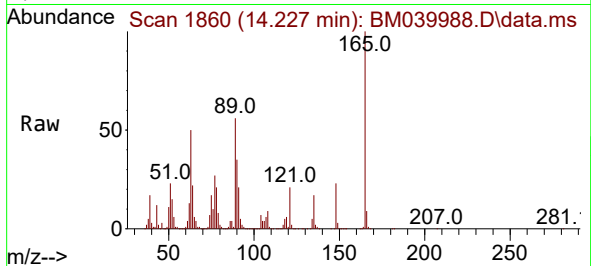
Tgt Ion:165 Resp: 516347

Ion Ratio Lower Upper

165 100

63 49.6 45.3 67.9

89 55.7 49.5 74.3



#52

Acenaphthene

Concen: 43.623 ng

RT: 14.716 min Scan# 1943

Delta R.T. -0.005 min

Lab File: BM039988.D

Acq: 24 May 2023 17:35

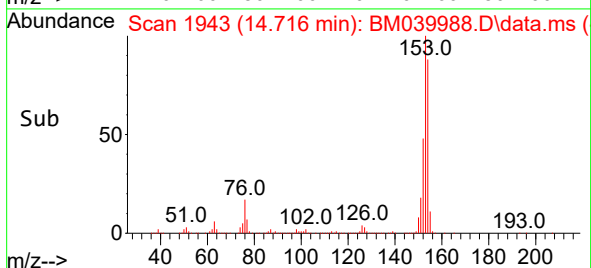
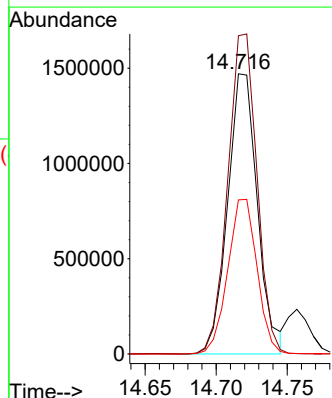
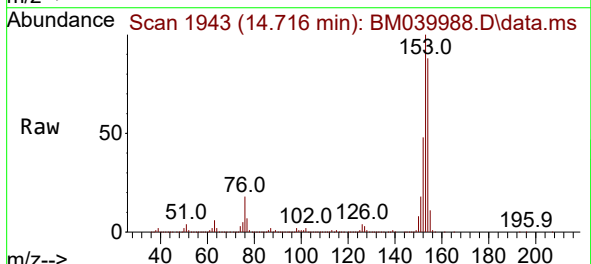
Tgt Ion:154 Resp: 2148777

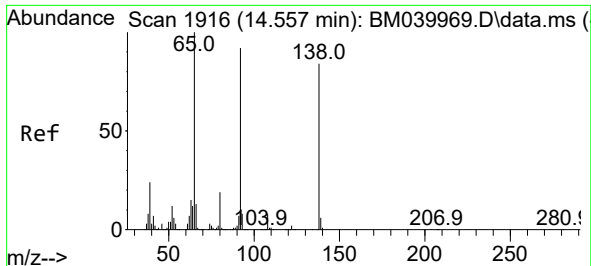
Ion Ratio Lower Upper

154 100

153 113.6 92.6 139.0

152 55.0 45.5 68.3

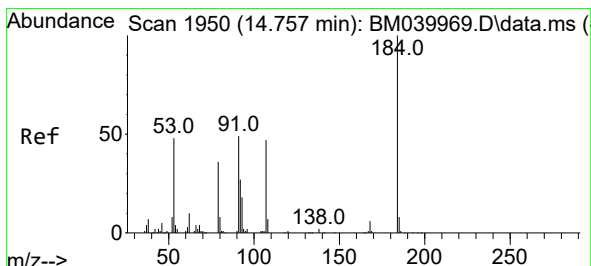
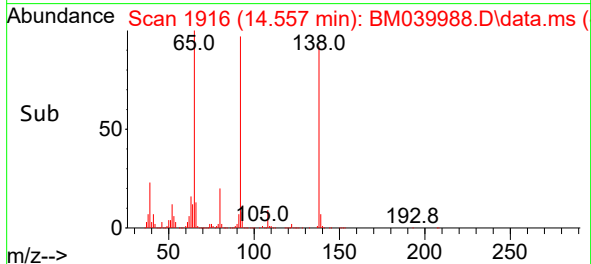
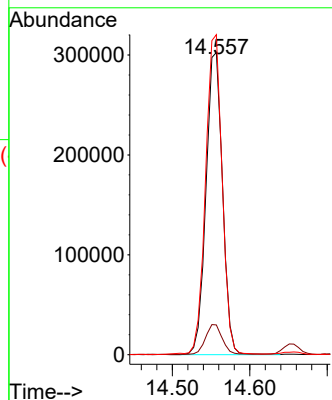
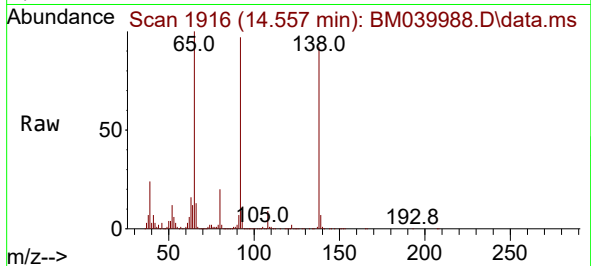




#53
3-Nitroaniline
Concen: 34.873 ng
RT: 14.557 min Scan# 1916
Delta R.T. -0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

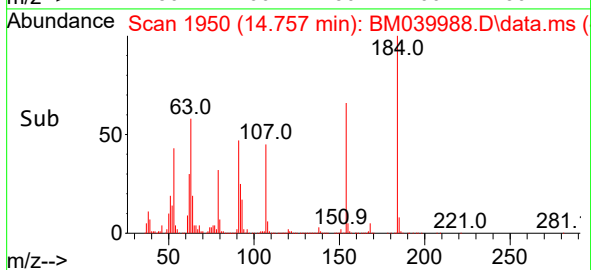
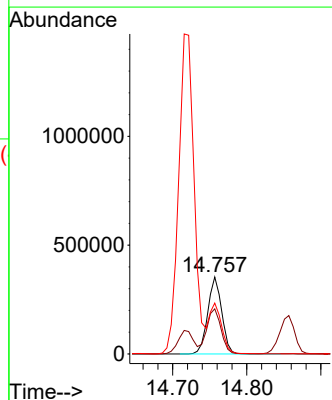
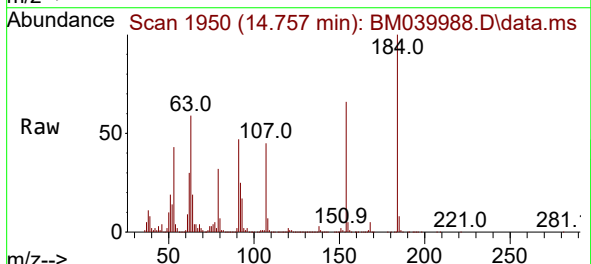
Instrument :
BNA_M
ClientSampleId :
MID2-44(10-11)MSD

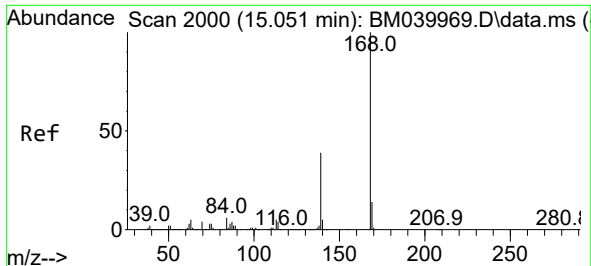
Tgt Ion:138 Resp: 448299
Ion Ratio Lower Upper
138 100
108 9.8 7.8 11.6
92 105.9 87.7 131.5



#54
2,4-Dinitrophenol
Concen: 76.952 ng
RT: 14.757 min Scan# 1950
Delta R.T. -0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

Tgt Ion:184 Resp: 463311
Ion Ratio Lower Upper
184 100
63 58.6 53.0 79.4
154 66.2 54.4 81.6

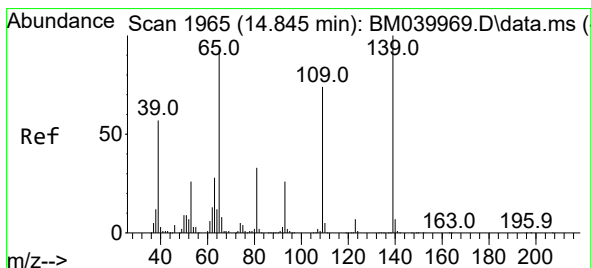
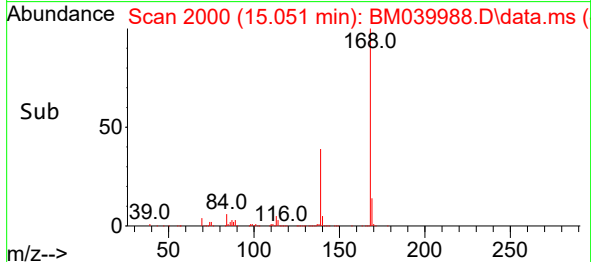
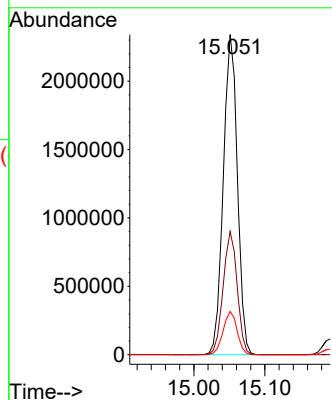
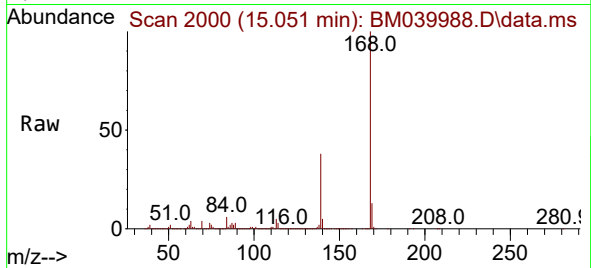




#55
Dibenzofuran
Concen: 44.151 ng
RT: 15.051 min Scan# 20
Delta R.T. -0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

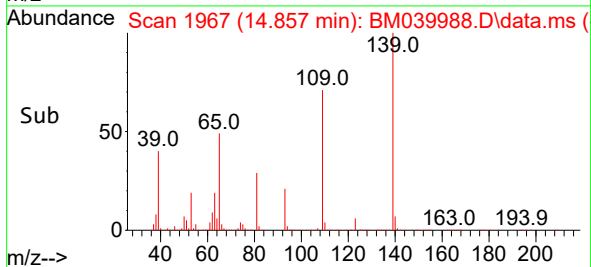
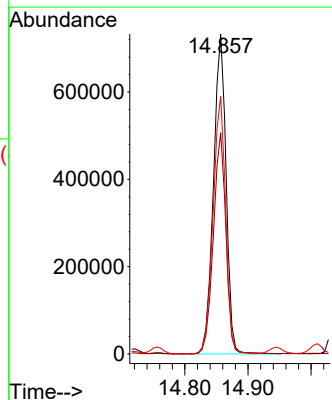
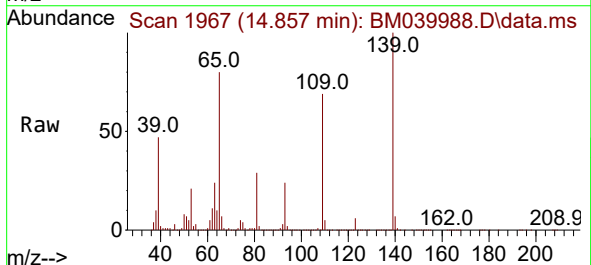
Instrument :
BNA_M
ClientSampleId :
MID2-44(10-11)MSD

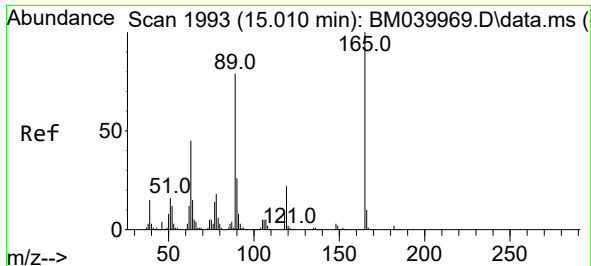
Tgt Ion:168 Resp: 3210495
Ion Ratio Lower Upper
168 100
139 38.5 31.5 47.3
169 13.5 10.9 16.3



#56
4-Nitrophenol
Concen: 101.955 ng
RT: 14.857 min Scan# 1967
Delta R.T. 0.012 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

Tgt Ion:139 Resp: 1013855
Ion Ratio Lower Upper
139 100
109 69.2 53.9 93.9
65 80.4 72.6 112.6





#57

2,4-Dinitrotoluene

Concen: 43.677 ng

RT: 15.010 min Scan# 1993

Delta R.T. -0.000 min

Lab File: BM039988.D

Acq: 24 May 2023 17:35

Instrument :

BNA_M

ClientSampleId :

MID2-44(10-11)MSD

Tgt Ion:165 Resp: 677648

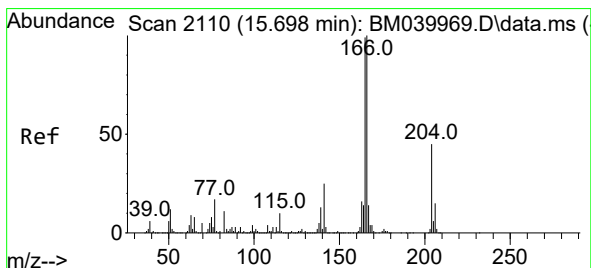
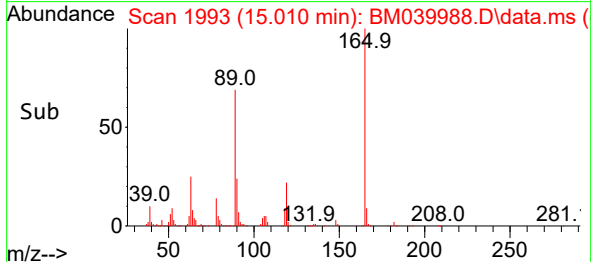
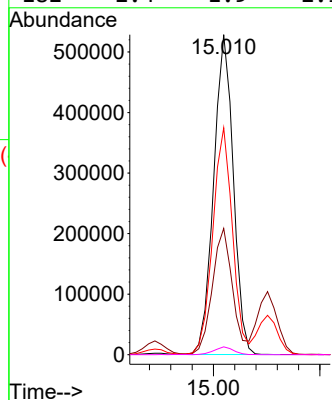
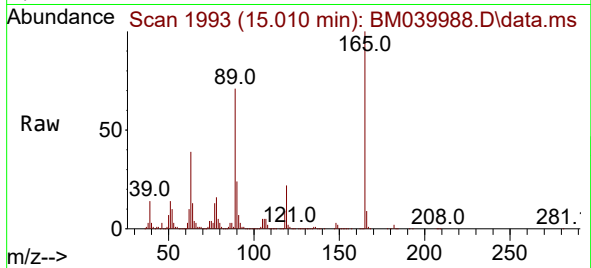
Ion Ratio Lower Upper

165 100

63 39.4 36.2 54.2

89 70.9 63.4 95.0

182 2.4 1.9 2.9



#58

Fluorene

Concen: 42.794 ng

RT: 15.698 min Scan# 2110

Delta R.T. 0.000 min

Lab File: BM039988.D

Acq: 24 May 2023 17:35

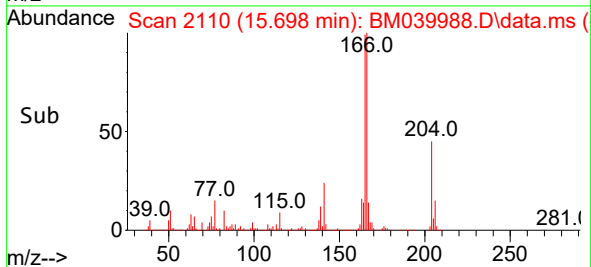
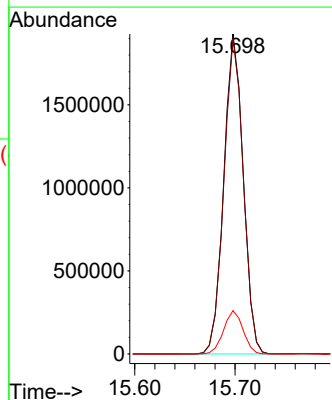
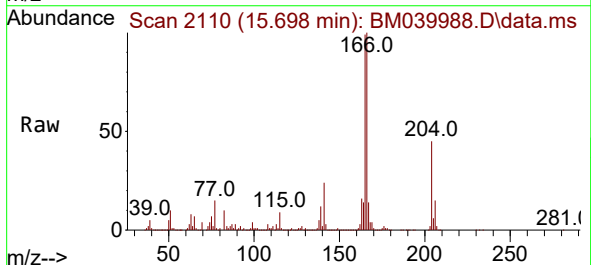
Tgt Ion:166 Resp: 2586815

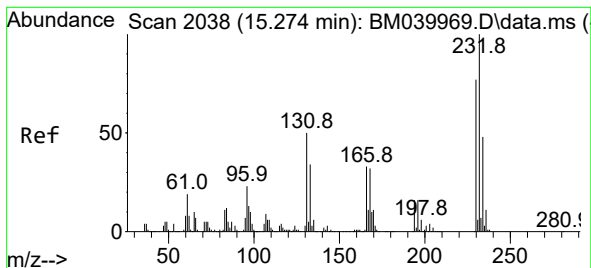
Ion Ratio Lower Upper

166 100

165 98.5 79.5 119.3

167 13.6 11.0 16.6

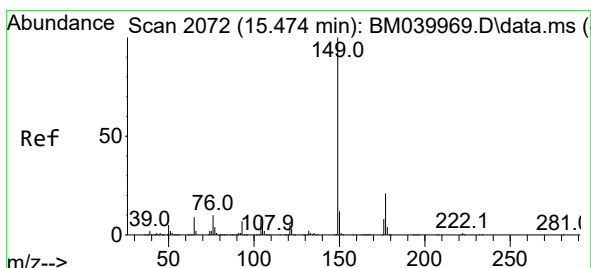
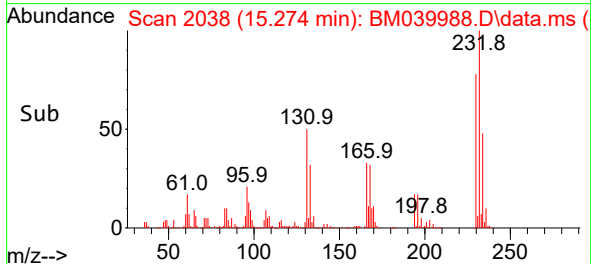
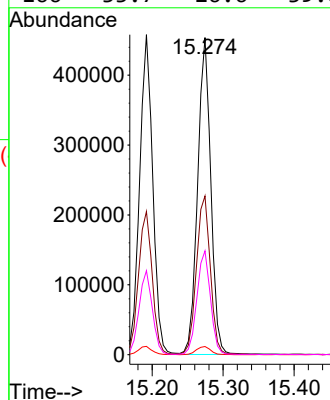
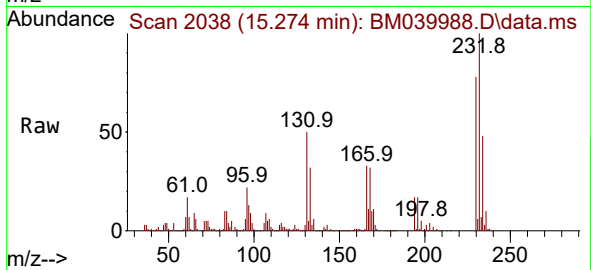




#59
2,3,4,6-Tetrachlorophenol
Concen: 45.813 ng
RT: 15.274 min Scan# 2038
Delta R.T. 0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

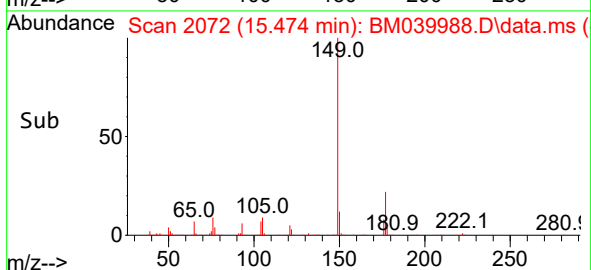
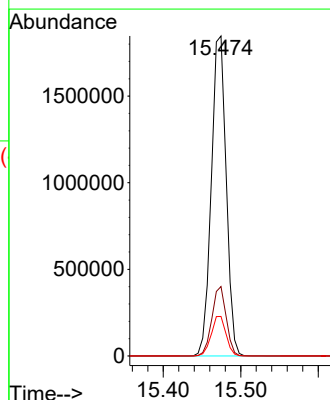
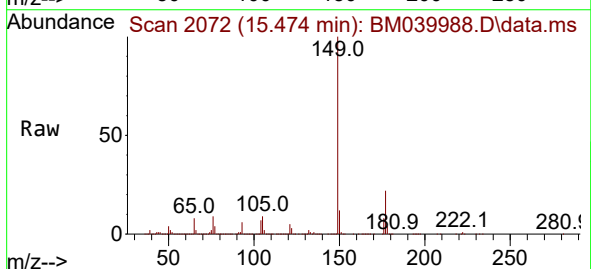
Instrument :
BNA_M
ClientSampleId :
MID2-44(10-11)MSD

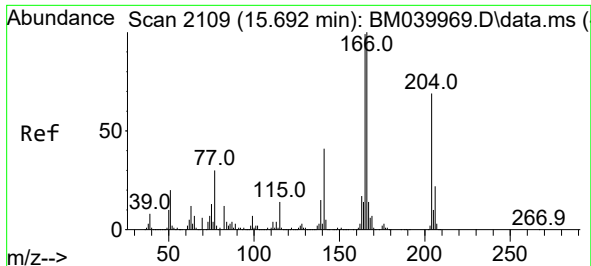
Tgt Ion:232 Resp: 586620
Ion Ratio Lower Upper
232 100
131 52.8 42.8 64.2
130 2.8 2.3 3.5
166 33.7 26.6 39.8



#60
Diethylphthalate
Concen: 43.886 ng
RT: 15.474 min Scan# 2072
Delta R.T. 0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

Tgt Ion:149 Resp: 2464098
Ion Ratio Lower Upper
149 100
177 21.7 16.8 25.2
150 12.3 9.5 14.3

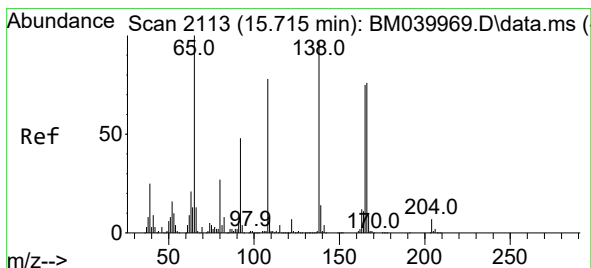
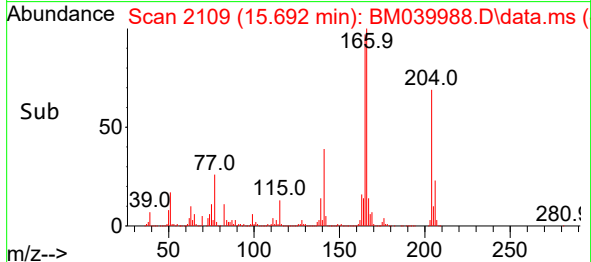
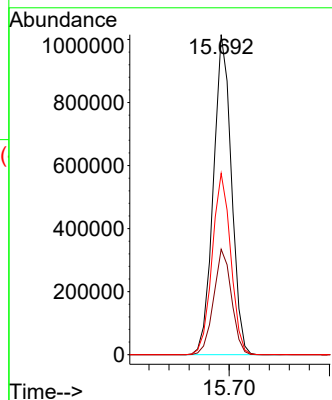
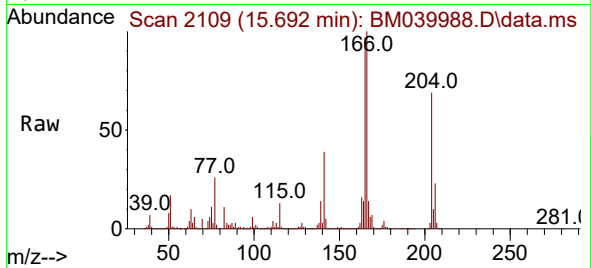




#61
4-Chlorophenyl-phenylether
Concen: 42.812 ng
RT: 15.692 min Scan# 2109
Delta R.T. 0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

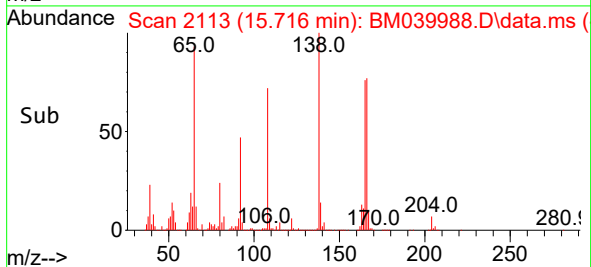
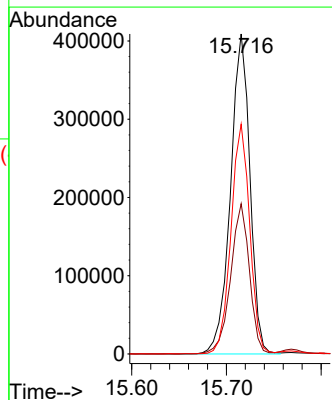
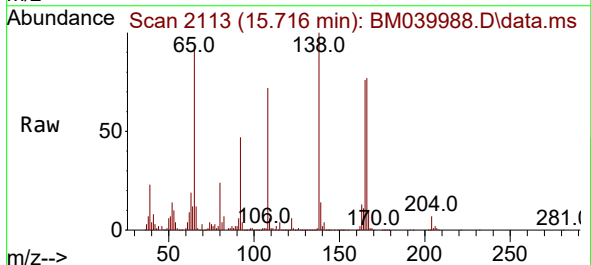
Instrument :
BNA_M
ClientSampleId :
MID2-44(10-11)MSD

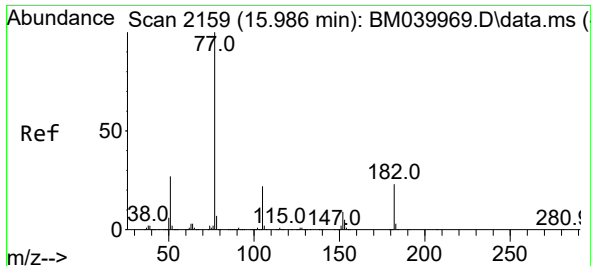
Tgt Ion:204 Resp: 1266142
Ion Ratio Lower Upper
204 100
206 33.0 25.8 38.8
141 56.7 46.9 70.3



#62
4-Nitroaniline
Concen: 43.526 ng
RT: 15.716 min Scan# 2113
Delta R.T. 0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

Tgt Ion:138 Resp: 582723
Ion Ratio Lower Upper
138 100
92 47.0 29.1 69.1
108 71.8 60.0 100.0



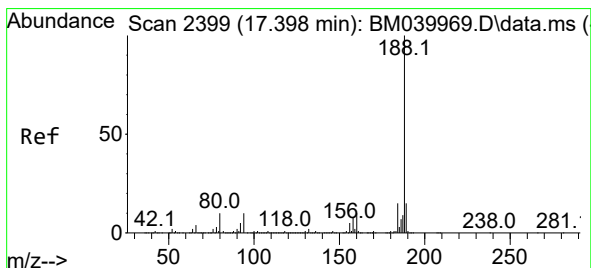
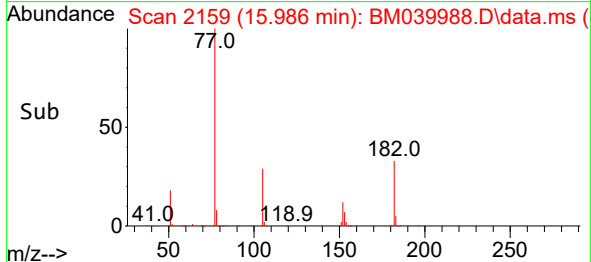
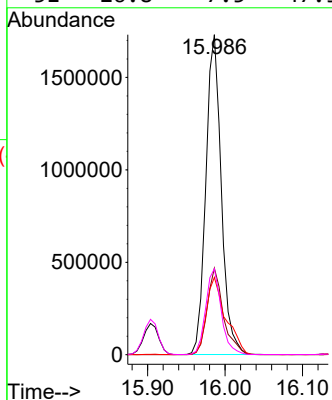
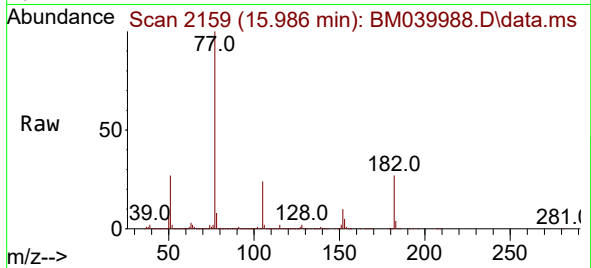


#63
Azobenzene
Concen: 42.736 ng
RT: 15.986 min Scan# 2159
Delta R.T. 0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

Instrument :
BNA_M
ClientSampleId :
MID2-44(10-11)MSD

Tgt Ion: 77 Resp: 2392354

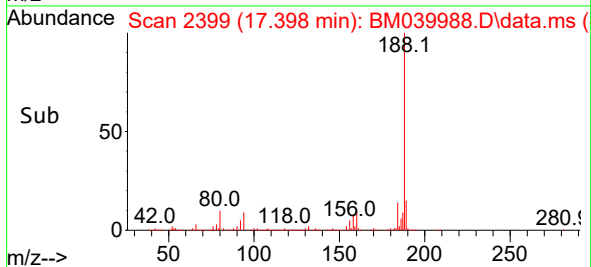
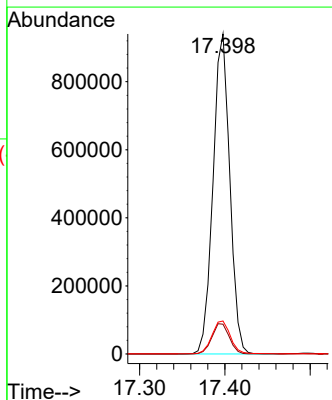
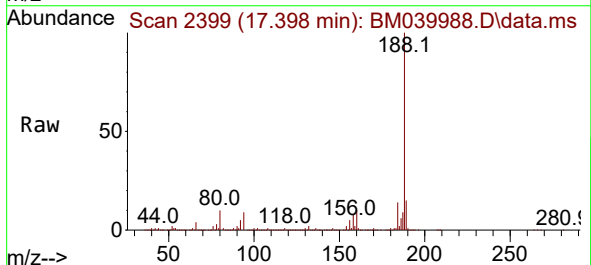
Ion	Ratio	Lower	Upper
77	100		
182	27.1	2.9	42.9
105	24.2	1.5	41.5
51	26.8	7.5	47.5

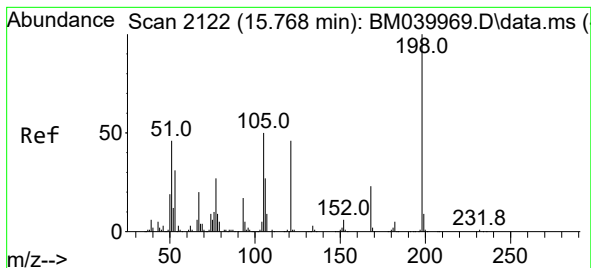


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.398 min Scan# 2399
Delta R.T. 0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

Tgt Ion: 188 Resp: 1284816

Ion	Ratio	Lower	Upper
188	100		
94	9.3	7.8	11.8
80	10.3	8.2	12.4

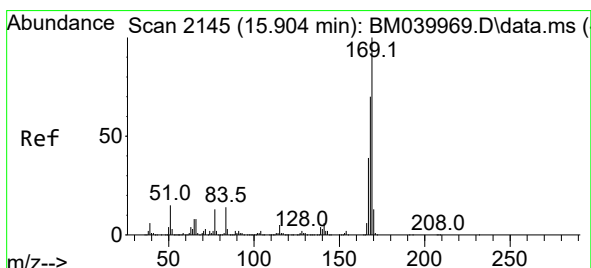
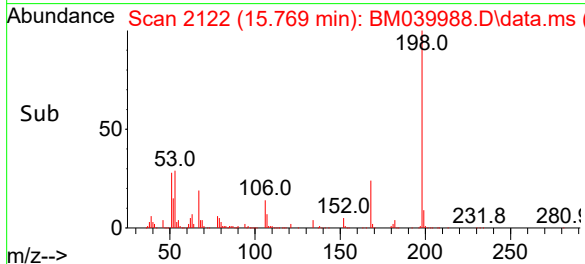
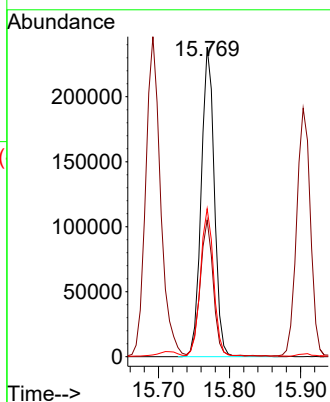
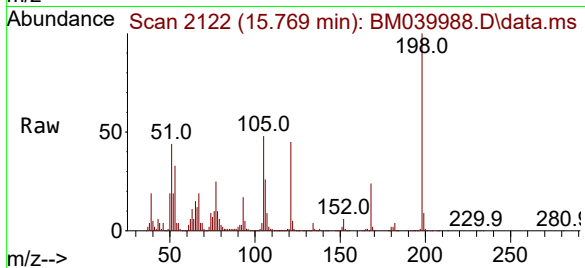




#65
4,6-Dinitro-2-methylphenol
Concen: 44.075 ng
RT: 15.769 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

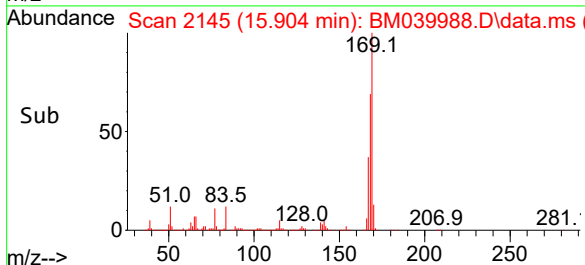
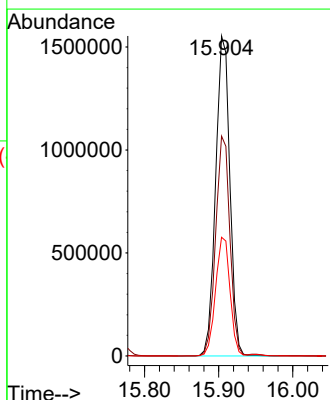
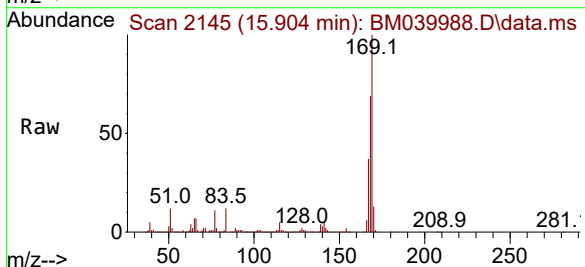
Instrument :
BNA_M
ClientSampleId :
MID2-44(10-11)MSD

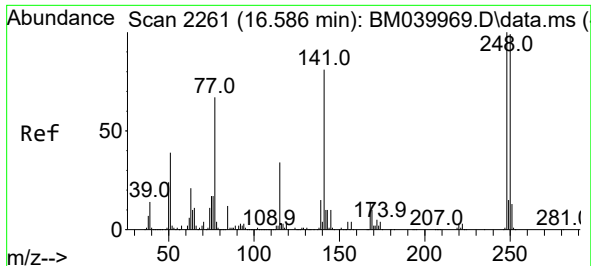
Tgt Ion:198 Resp: 306695
Ion Ratio Lower Upper
198 100
51 44.2 29.9 69.9
105 47.8 30.4 70.4



#66
n-Nitrosodiphenylamine
Concen: 46.695 ng
RT: 15.904 min Scan# 2145
Delta R.T. 0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

Tgt Ion:169 Resp: 2063148
Ion Ratio Lower Upper
169 100
168 68.7 56.0 84.0
167 37.1 31.0 46.6

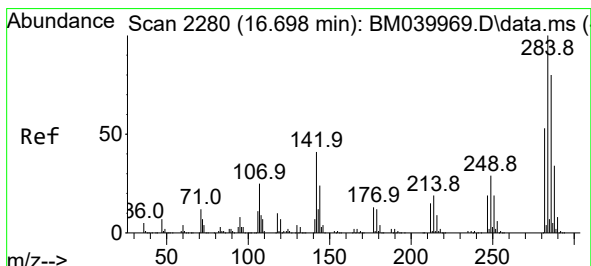
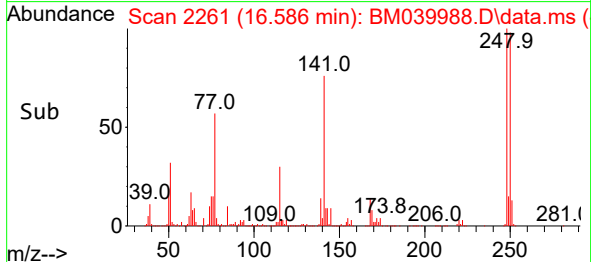
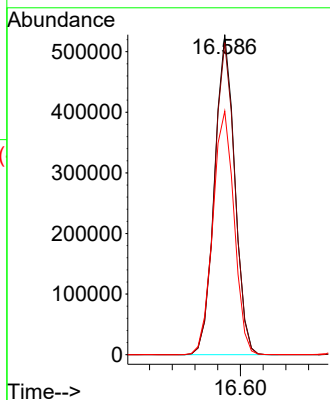
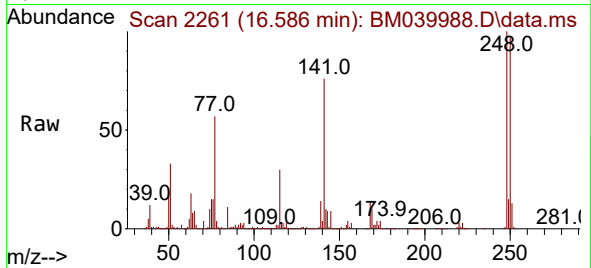




#67
4-Bromophenyl-phenylether
Concen: 46.057 ng
RT: 16.586 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

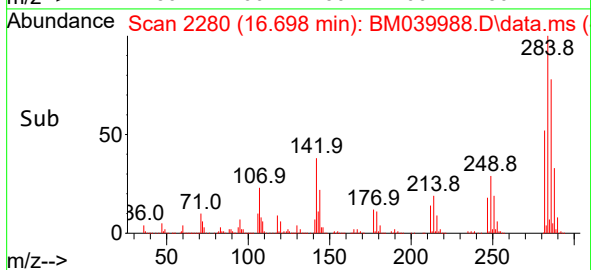
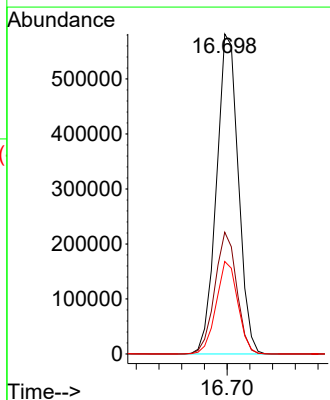
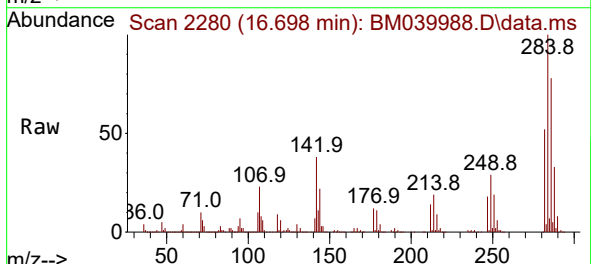
Instrument :
BNA_M
ClientSampleId :
MID2-44(10-11)MSD

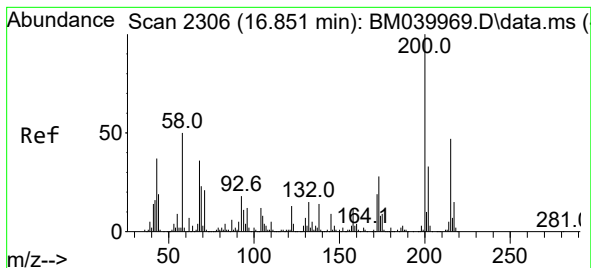
Tgt Ion:248 Resp: 653843
Ion Ratio Lower Upper
248 100
250 97.5 79.4 119.0
141 76.1 64.8 97.2



#68
Hexachlorobenzene
Concen: 47.916 ng
RT: 16.698 min Scan# 2280
Delta R.T. -0.000 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

Tgt Ion:284 Resp: 777367
Ion Ratio Lower Upper
284 100
142 38.1 32.4 48.6
249 28.9 23.4 35.2





#69

Atrazine

Concen: 56.876 ng

RT: 16.857 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM039988.D

Acq: 24 May 2023 17:35

Instrument :

BNA_M

ClientSampleId :

MID2-44(10-11)MSD

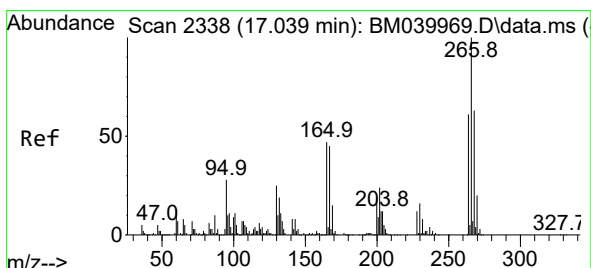
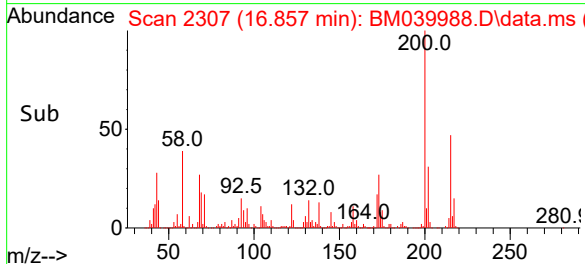
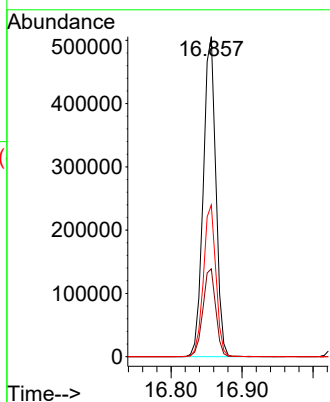
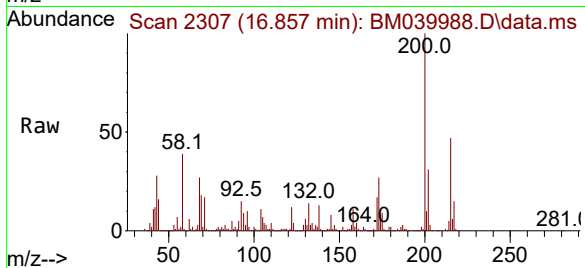
Tgt Ion:200 Resp: 625083

Ion Ratio Lower Upper

200 100

173 27.4 7.7 47.7

215 47.4 27.5 67.5



#70

Pentachlorophenol

Concen: 92.781 ng

RT: 17.045 min Scan# 2339

Delta R.T. 0.006 min

Lab File: BM039988.D

Acq: 24 May 2023 17:35

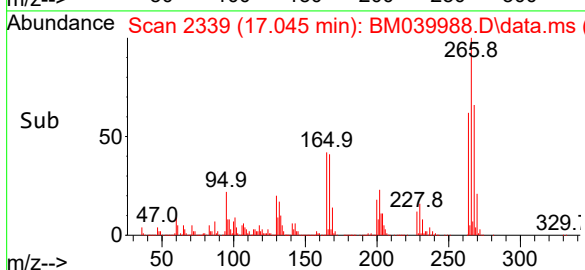
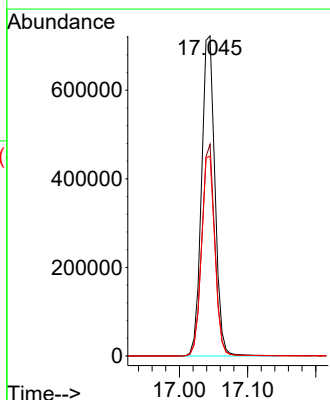
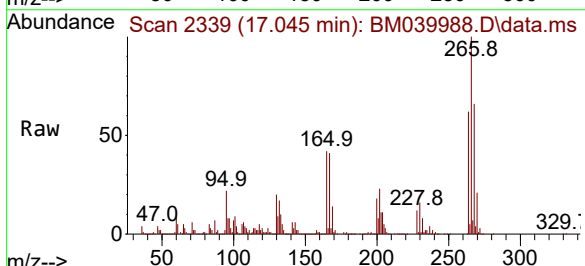
Tgt Ion:266 Resp: 988134

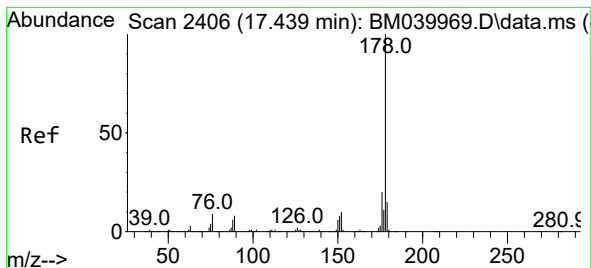
Ion Ratio Lower Upper

266 100

268 66.2 50.2 75.4

264 62.5 49.0 73.6





#71

Phenanthrene

Concen: 44.786 ng

RT: 17.439 min Scan# 2406

Delta R.T. 0.000 min

Lab File: BM039988.D

Acq: 24 May 2023 17:35

Instrument :

BNA_M

ClientSampleId :

MID2-44(10-11)MSD

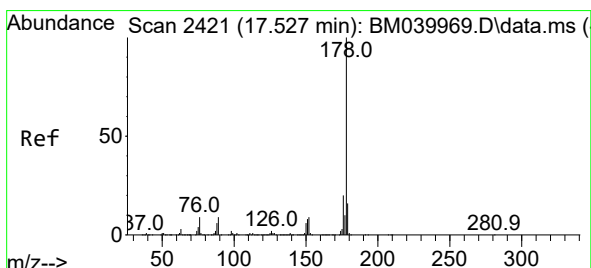
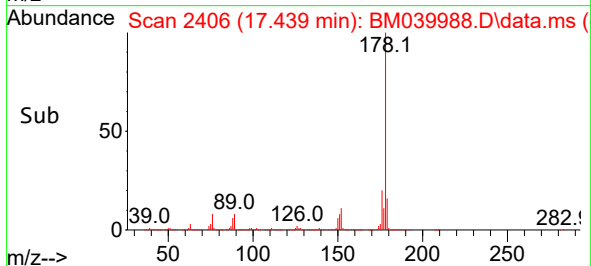
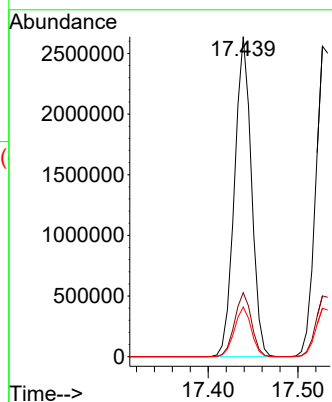
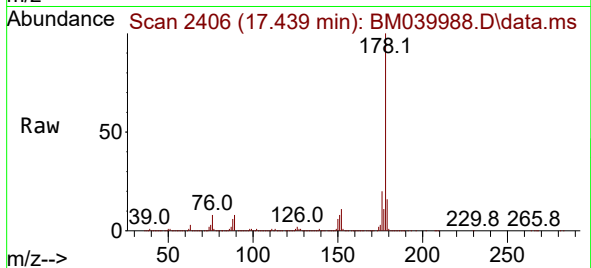
Tgt Ion:178 Resp: 3441861

Ion Ratio Lower Upper

178 100

176 20.0 16.2 24.2

179 15.5 12.2 18.4



#72

Anthracene

Concen: 45.989 ng

RT: 17.527 min Scan# 2421

Delta R.T. 0.000 min

Lab File: BM039988.D

Acq: 24 May 2023 17:35

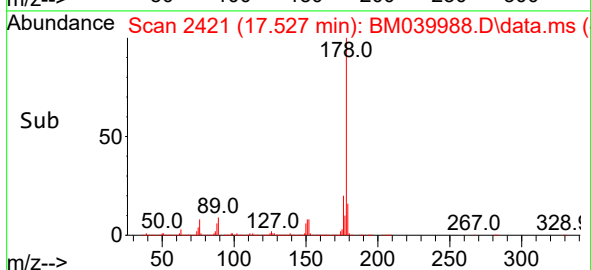
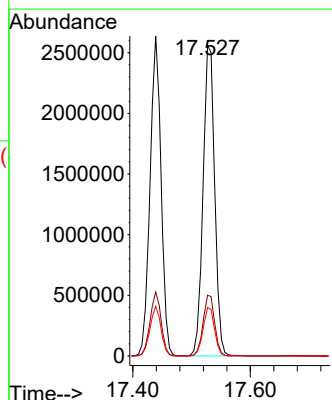
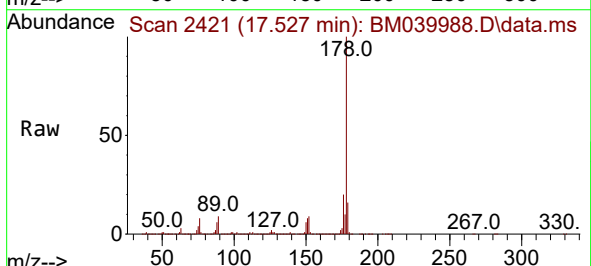
Tgt Ion:178 Resp: 3501745

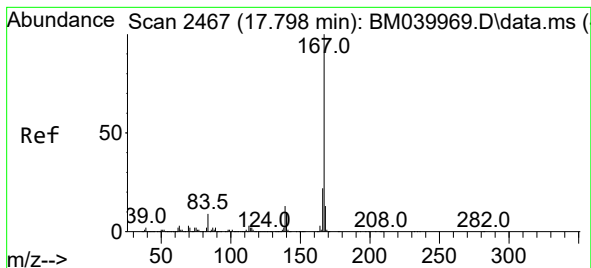
Ion Ratio Lower Upper

178 100

176 19.6 15.8 23.6

179 15.6 12.5 18.7





#73

Carbazole

Concen: 47.107 ng

RT: 17.798 min Scan# 24

Delta R.T. 0.000 min

Lab File: BM039988.D

Acq: 24 May 2023 17:35

Instrument :

BNA_M

ClientSampleId :

MID2-44(10-11)MSD

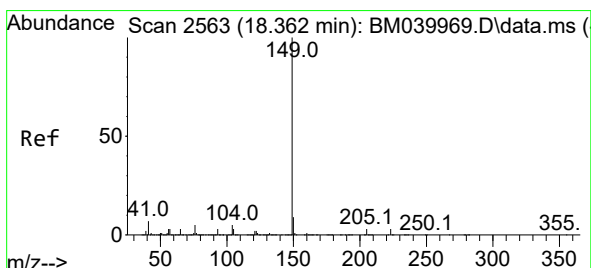
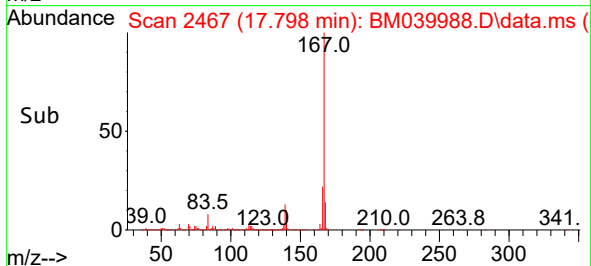
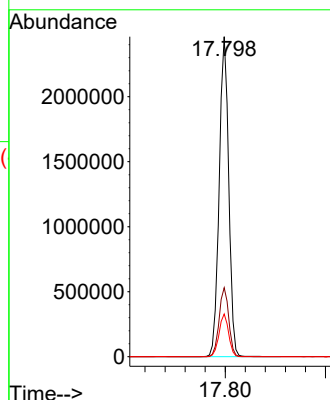
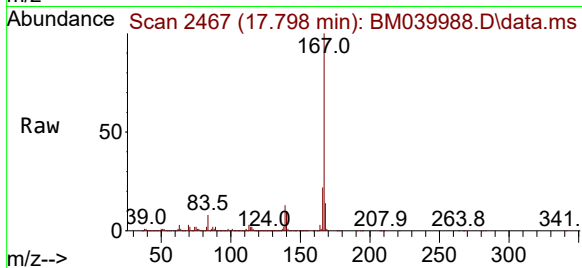
Tgt Ion:167 Resp: 3240599

Ion Ratio Lower Upper

167 100

166 21.6 17.8 26.8

139 13.4 10.8 16.2



#74

Di-n-butylphthalate

Concen: 45.514 ng

RT: 18.362 min Scan# 2563

Delta R.T. 0.000 min

Lab File: BM039988.D

Acq: 24 May 2023 17:35

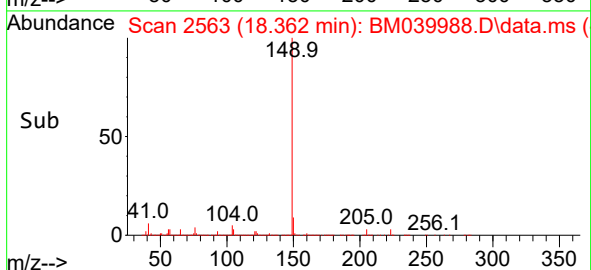
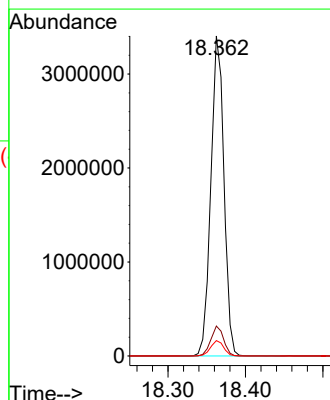
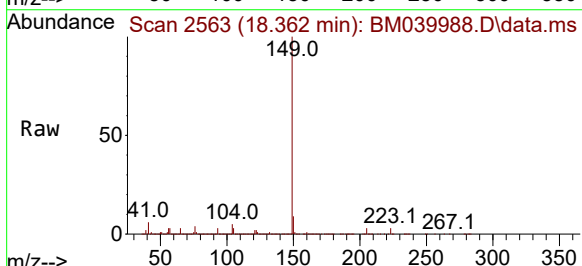
Tgt Ion:149 Resp: 3984803

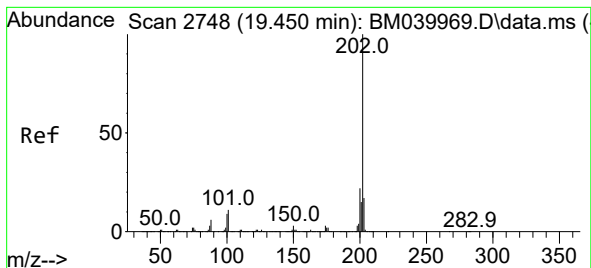
Ion Ratio Lower Upper

149 100

150 9.3 7.4 11.2

104 4.8 4.2 6.2





#75

Fluoranthene

Concen: 45.229 ng

RT: 19.451 min Scan# 21

Delta R.T. 0.001 min

Lab File: BM039988.D

Acq: 24 May 2023 17:35

Instrument :

BNA_M

ClientSampleId :

MID2-44(10-11)MSD

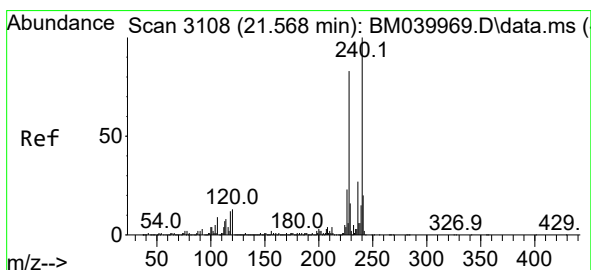
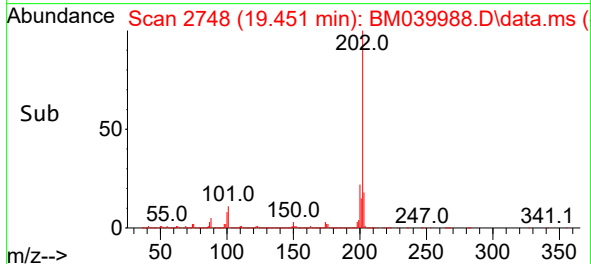
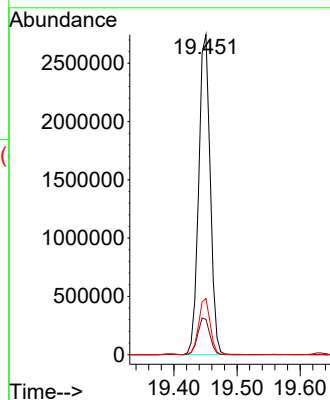
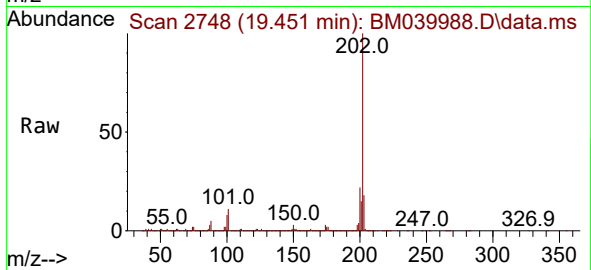
Tgt Ion:202 Resp: 3464316

Ion Ratio Lower Upper

202 100

101 11.0 0.0 31.3

203 17.6 0.0 37.5



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.574 min Scan# 3109

Delta R.T. 0.006 min

Lab File: BM039988.D

Acq: 24 May 2023 17:35

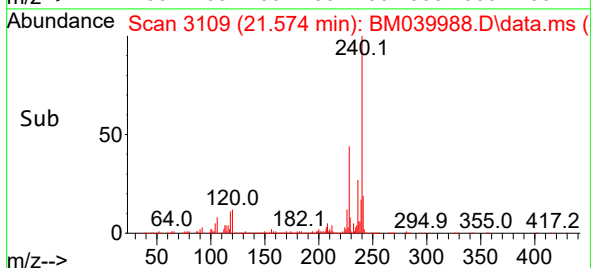
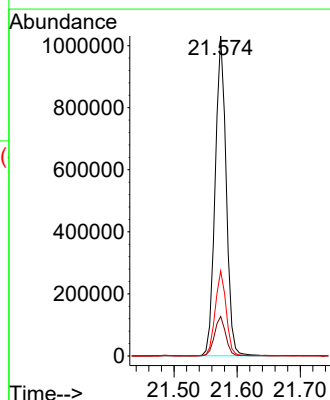
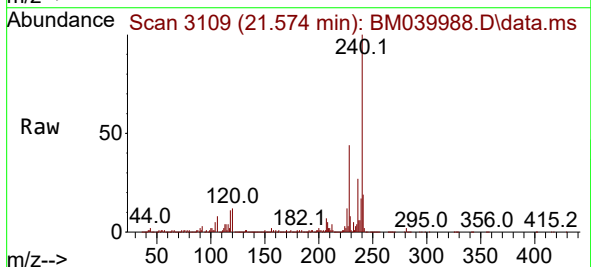
Tgt Ion:240 Resp: 1248768

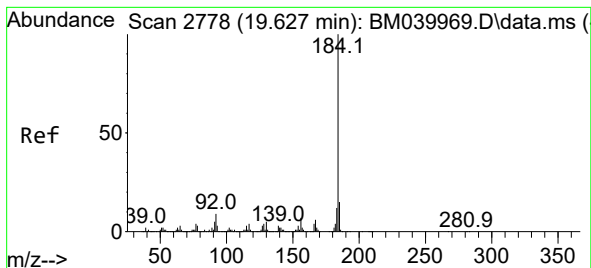
Ion Ratio Lower Upper

240 100

120 12.3 10.1 15.1

236 26.5 21.3 31.9





#77

Benzidine

Concen: 126.915 ng

RT: 19.633 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM039988.D

Acq: 24 May 2023 17:35

Instrument :

BNA_M

ClientSampleId :

MID2-44(10-11)MSD

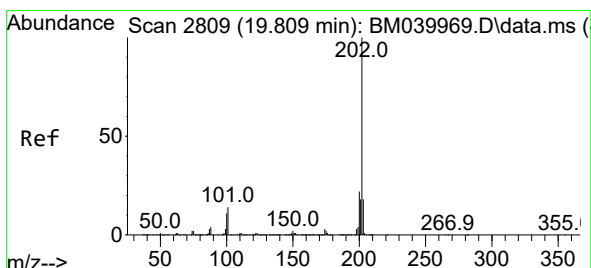
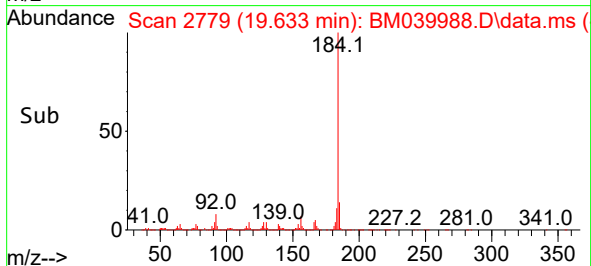
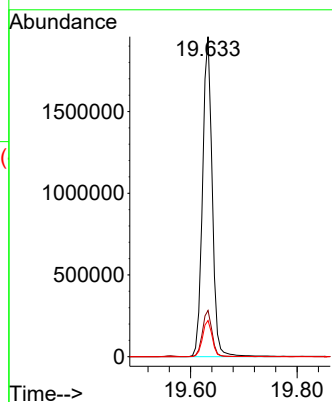
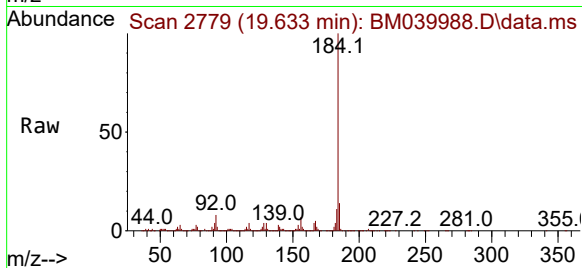
Tgt Ion:184 Resp: 2461130

Ion Ratio Lower Upper

184 100

185 14.4 11.9 17.9

183 11.3 9.2 13.8



#78

Pyrene

Concen: 40.650 ng

RT: 19.809 min Scan# 2809

Delta R.T. 0.000 min

Lab File: BM039988.D

Acq: 24 May 2023 17:35

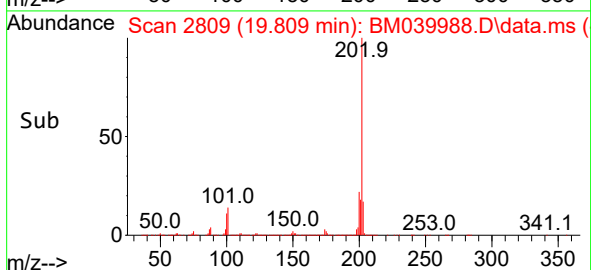
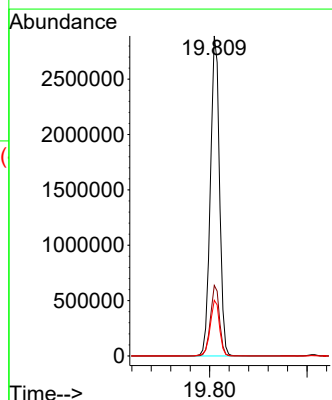
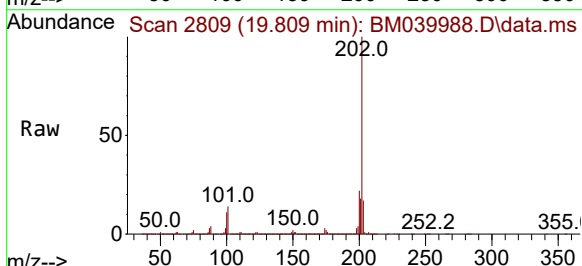
Tgt Ion:202 Resp: 3724909

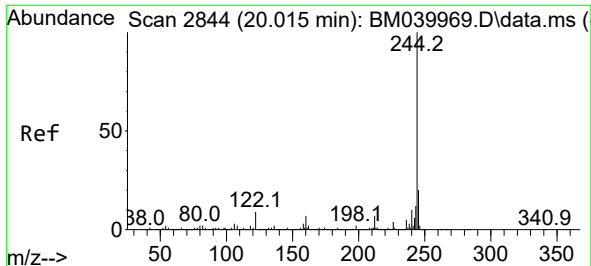
Ion Ratio Lower Upper

202 100

200 22.1 17.6 26.4

203 17.4 14.1 21.1

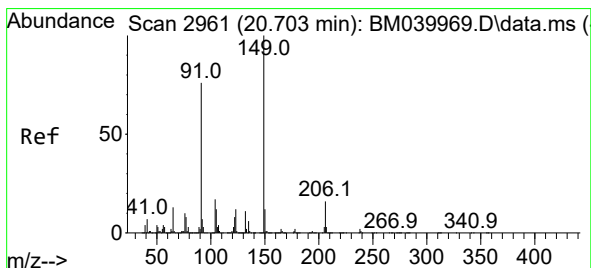
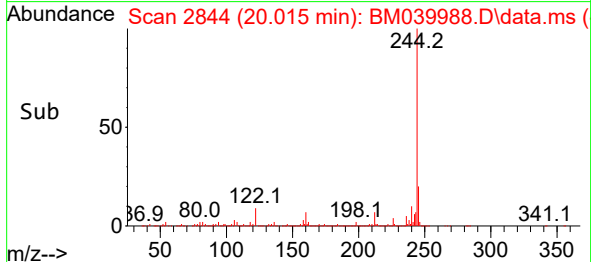
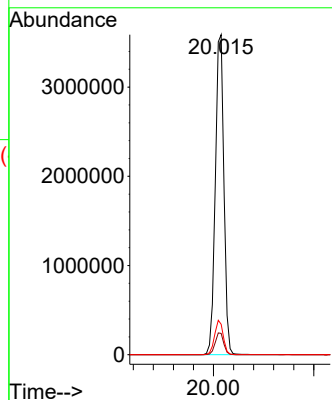
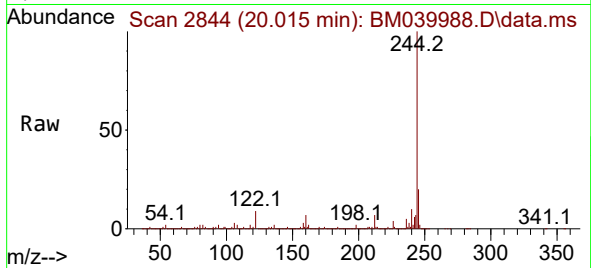




#79
 Terphenyl-d14
 Concen: 52.734 ng
 RT: 20.015 min Scan# 2844
 Delta R.T. 0.000 min
 Lab File: BM039988.D
 Acq: 24 May 2023 17:35

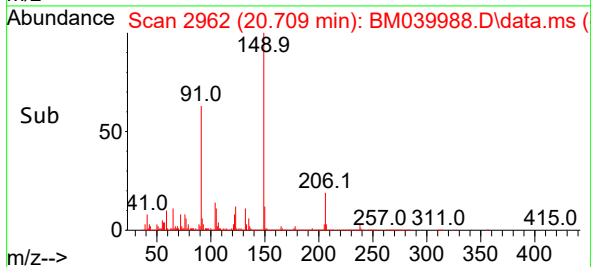
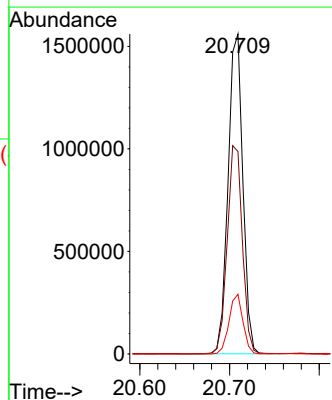
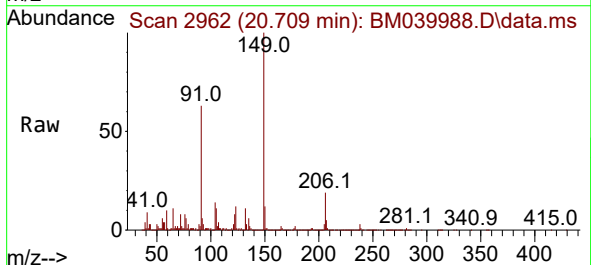
Instrument :
 BNA_M
 ClientSampleId :
 MID2-44(10-11)MSD

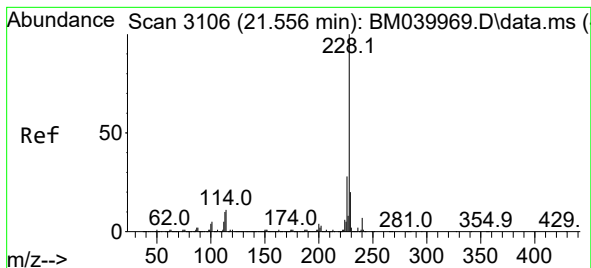
Tgt Ion:244 Resp: 4241179
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.4 8.0
 122 9.5 7.1 10.7



#80
 Butylbenzylphthalate
 Concen: 47.322 ng
 RT: 20.709 min Scan# 2962
 Delta R.T. 0.006 min
 Lab File: BM039988.D
 Acq: 24 May 2023 17:35

Tgt Ion:149 Resp: 1780371
 Ion Ratio Lower Upper
 149 100
 91 63.3 61.0 91.4
 206 18.6 12.7 19.1





#81

Benzo(a)anthracene

Concen: 42.855 ng

RT: 21.556 min Scan# 3106

Delta R.T. 0.000 min

Lab File: BM039988.D

Acq: 24 May 2023 17:35

Instrument :

BNA_M

ClientSampleId :

MID2-44(10-11)MSD

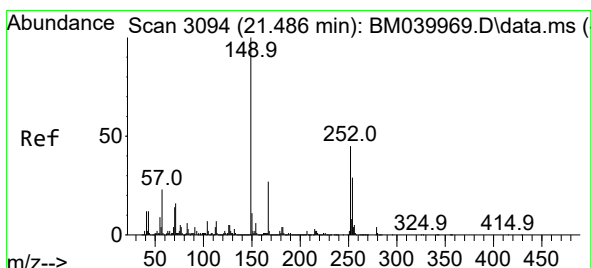
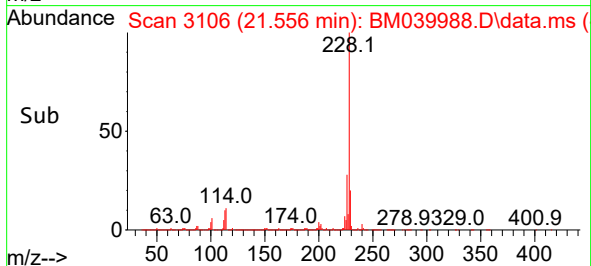
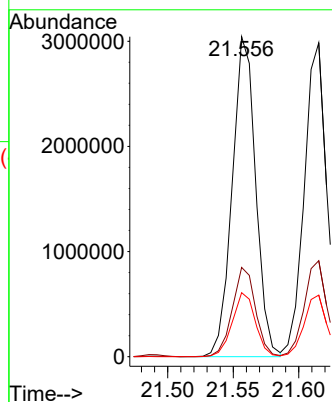
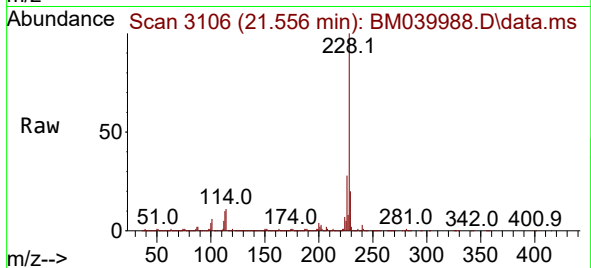
Tgt Ion:228 Resp: 3788500

Ion Ratio Lower Upper

228 100

226 27.9 22.2 33.4

229 20.0 15.8 23.6



#82

3,3'-Dichlorobenzidine

Concen: 53.582 ng

RT: 21.486 min Scan# 3094

Delta R.T. -0.000 min

Lab File: BM039988.D

Acq: 24 May 2023 17:35

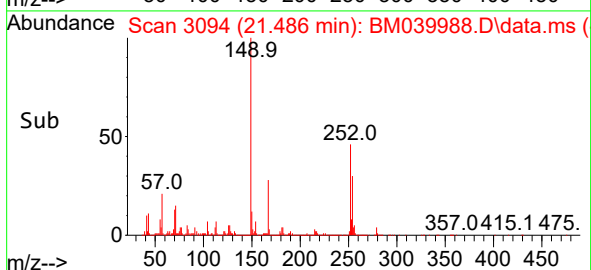
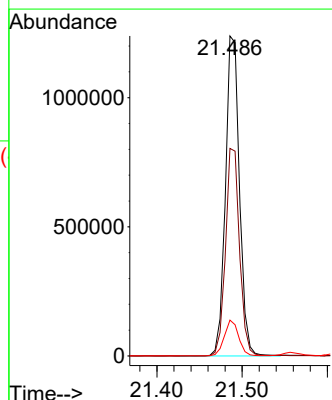
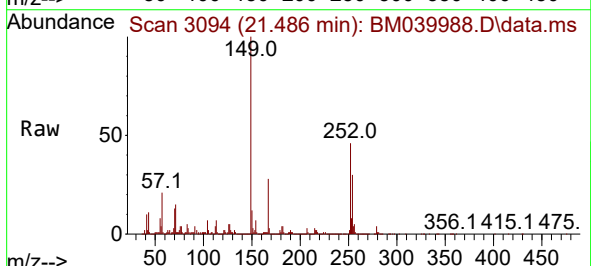
Tgt Ion:252 Resp: 1414970

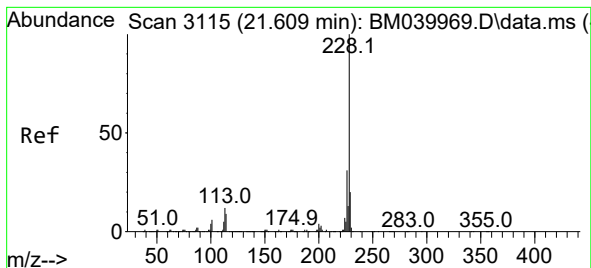
Ion Ratio Lower Upper

252 100

254 64.9 51.8 77.6

126 11.2 8.7 13.1





#83

Chrysene

Concen: 41.767 ng

RT: 21.615 min Scan# 3115

Delta R.T. 0.006 min

Lab File: BM039988.D

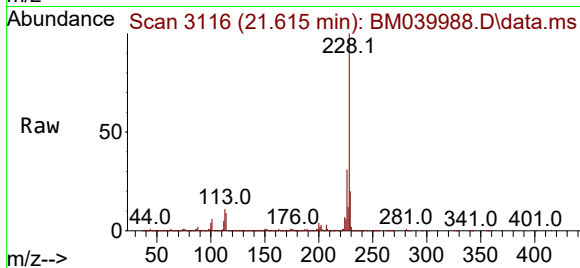
Acq: 24 May 2023 17:35

Instrument :

BNA_M

ClientSampleId :

MID2-44(10-11)MSD



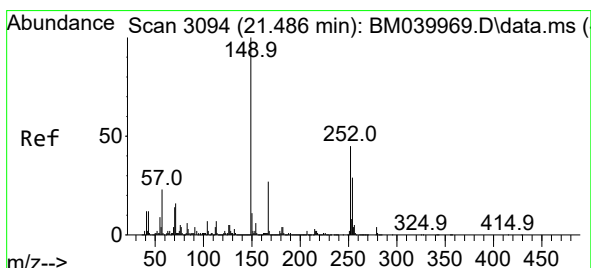
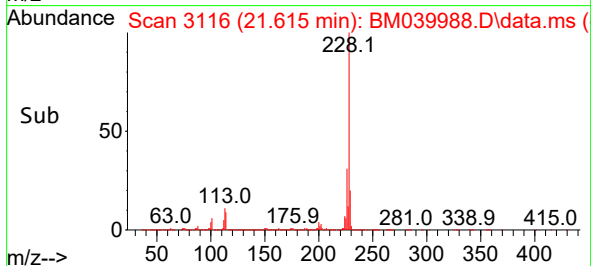
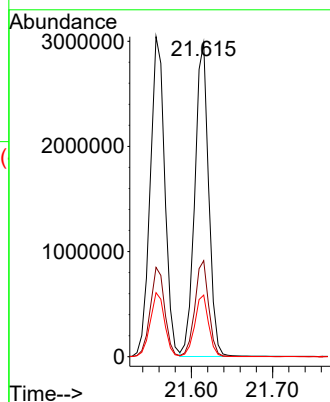
Tgt Ion:228 Resp: 3542727

Ion Ratio Lower Upper

228 100

226 30.6 24.5 36.7

229 19.6 15.9 23.9



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.139 ng

RT: 21.486 min Scan# 3094

Delta R.T. -0.000 min

Lab File: BM039988.D

Acq: 24 May 2023 17:35

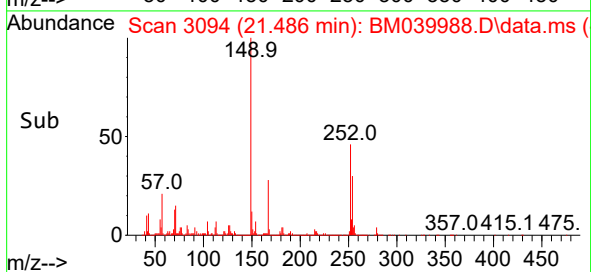
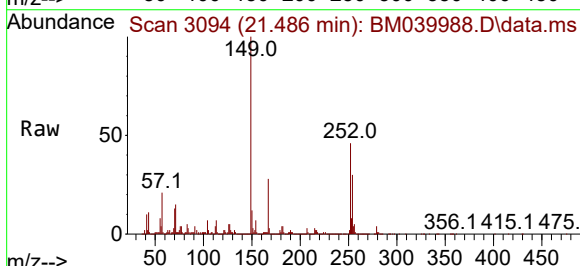
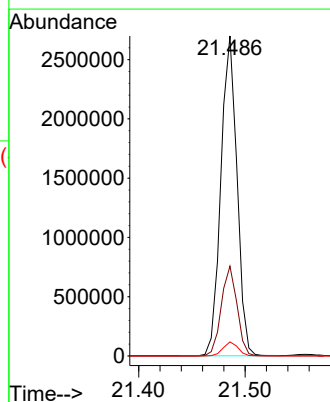
Tgt Ion:149 Resp: 2826294

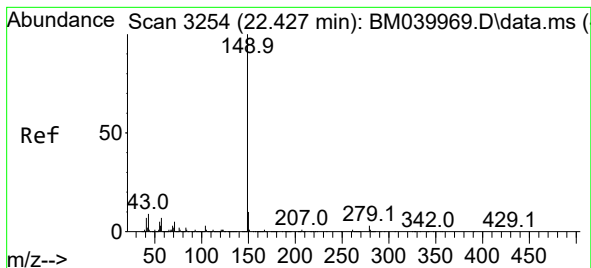
Ion Ratio Lower Upper

149 100

167 28.0 21.4 32.2

279 4.4 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 49.317 ng

RT: 22.433 min Scan# 31

Delta R.T. 0.006 min

Lab File: BM039988.D

Acq: 24 May 2023 17:35

Instrument :

BNA_M

ClientSampleId :

MID2-44(10-11)MSD

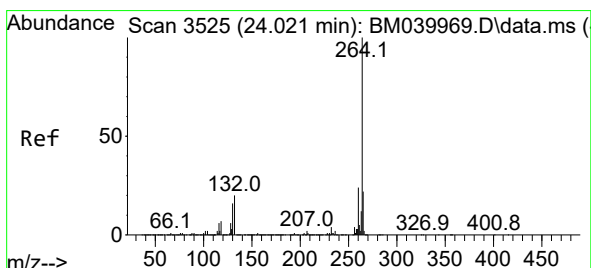
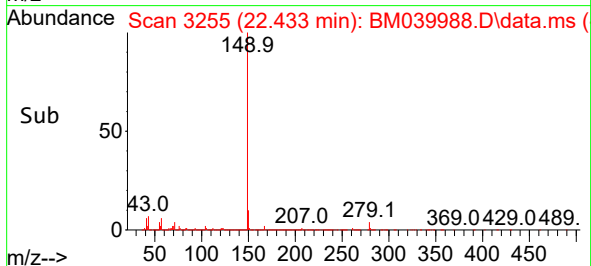
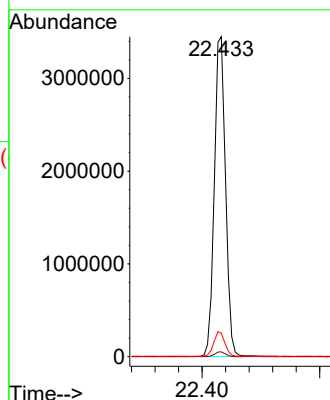
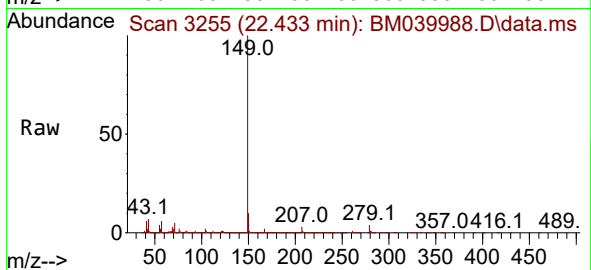
Tgt Ion:149 Resp: 4566421

Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

43 7.6 7.4 11.0



#86

Perylene-d12

Concen: 20.000 ng

RT: 24.027 min Scan# 3526

Delta R.T. 0.006 min

Lab File: BM039988.D

Acq: 24 May 2023 17:35

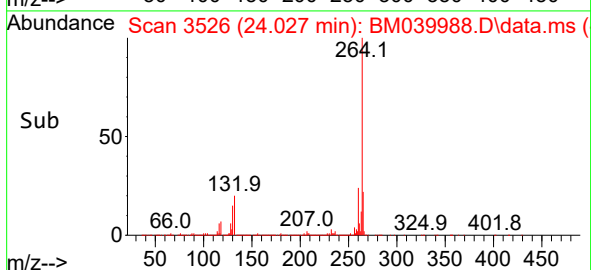
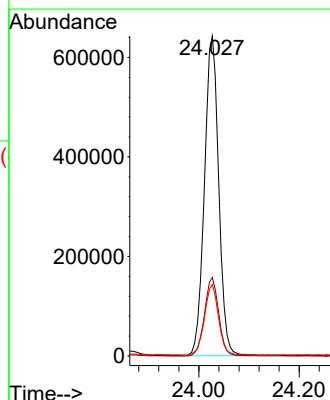
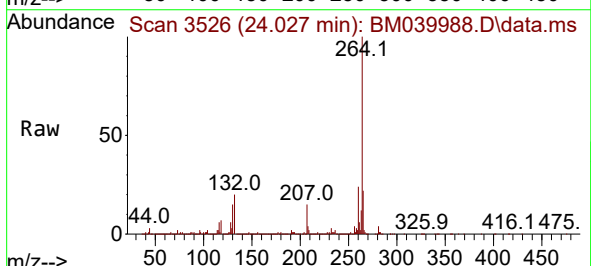
Tgt Ion:264 Resp: 1272780

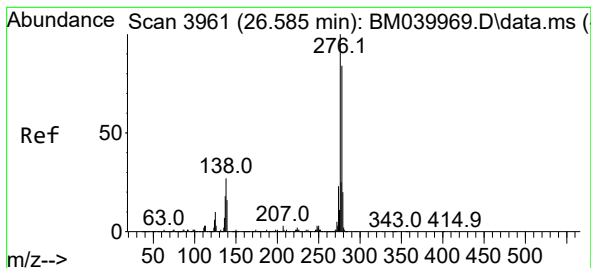
Ion Ratio Lower Upper

264 100

260 24.5 19.5 29.3

265 22.4 17.7 26.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 47.165 ng

RT: 26.585 min Scan# 3961

Delta R.T. 0.000 min

Lab File: BM039988.D

Acq: 24 May 2023 17:35

Instrument :

BNA_M

ClientSampleId :

MID2-44(10-11)MSD

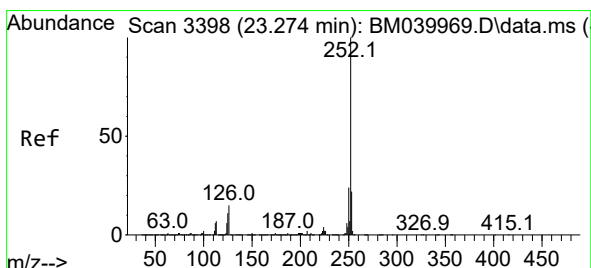
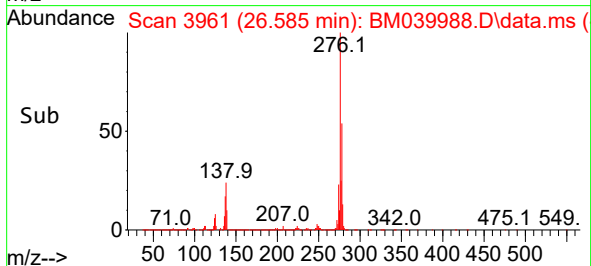
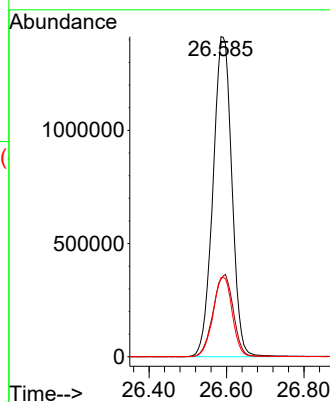
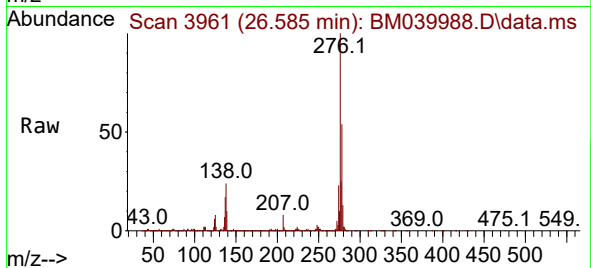
Tgt Ion:276 Resp: 4773838

Ion Ratio Lower Upper

276 100

138 27.4 23.2 34.8

277 25.3 20.2 30.4



#88

Benzo(b)fluoranthene

Concen: 47.437 ng

RT: 23.280 min Scan# 3399

Delta R.T. 0.006 min

Lab File: BM039988.D

Acq: 24 May 2023 17:35

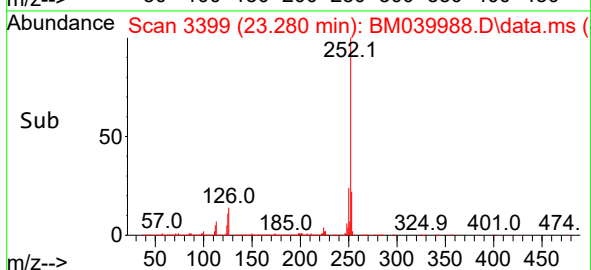
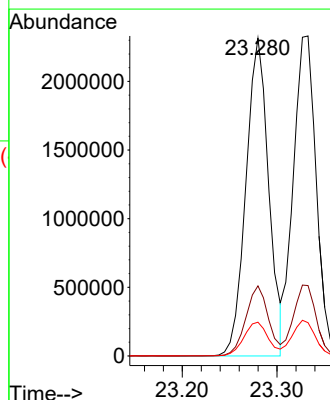
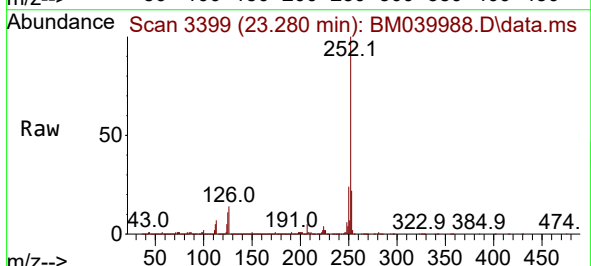
Tgt Ion:252 Resp: 3865584

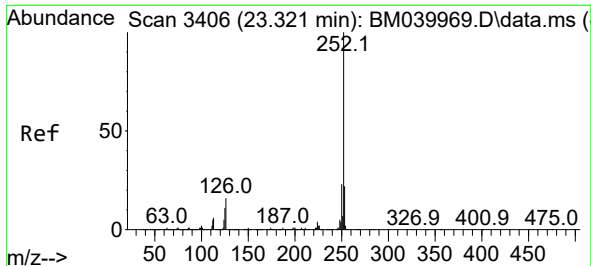
Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

125 10.6 8.9 13.3

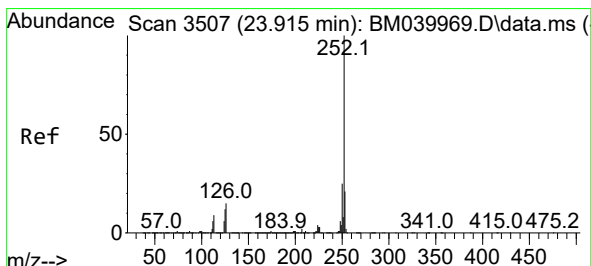
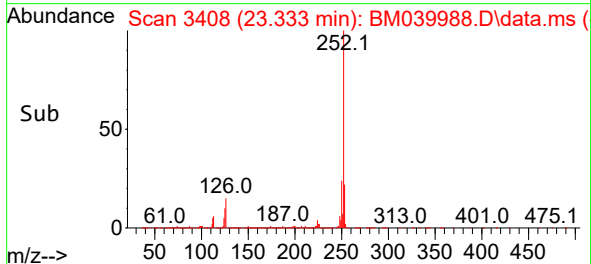
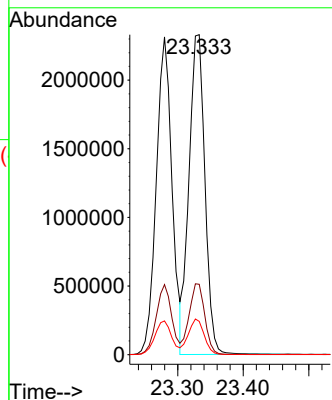
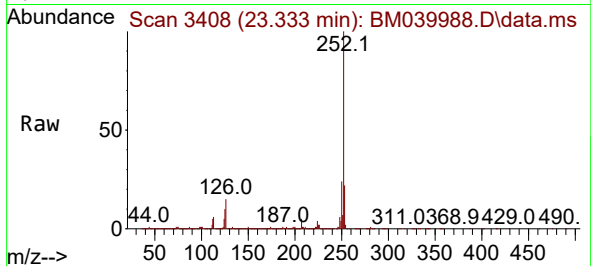




#89
Benzo(k)fluoranthene
Concen: 44.034 ng
RT: 23.333 min Scan# 3406
Delta R.T. 0.012 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

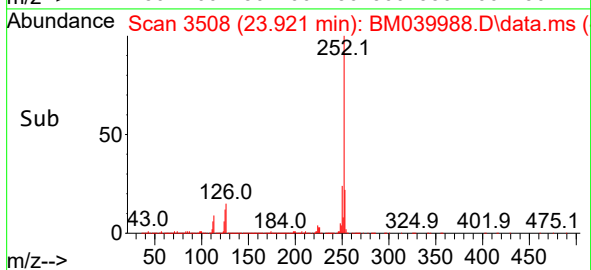
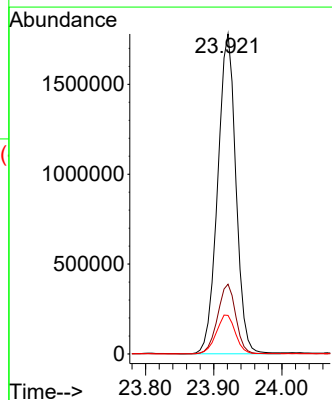
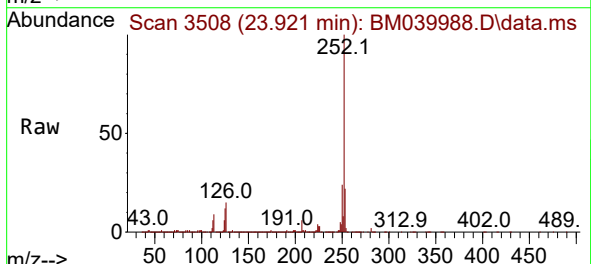
Instrument :
BNA_M
ClientSampleId :
MID2-44(10-11)MSD

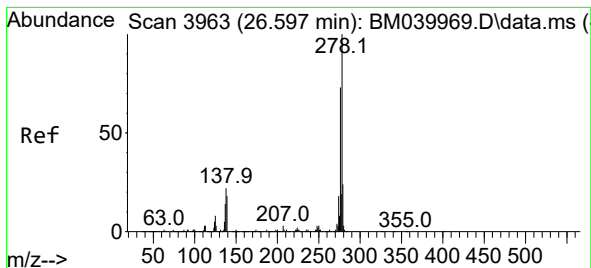
Tgt Ion:252 Resp: 3923666
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.0
125 10.4 9.0 13.4



#90
Benzo(a)pyrene
Concen: 42.295 ng
RT: 23.921 min Scan# 3508
Delta R.T. 0.006 min
Lab File: BM039988.D
Acq: 24 May 2023 17:35

Tgt Ion:252 Resp: 3305252
Ion Ratio Lower Upper
252 100
253 21.8 17.0 25.4
125 12.1 9.6 14.4





#91

Dibenzo(a,h)anthracene

Concen: 46.776 ng

RT: 26.603 min Scan# 3964

Delta R.T. 0.006 min

Lab File: BM039988.D

Acq: 24 May 2023 17:35

Instrument :

BNA_M

ClientSampleId :

MID2-44(10-11)MSD

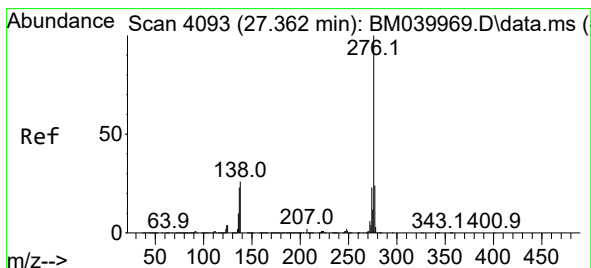
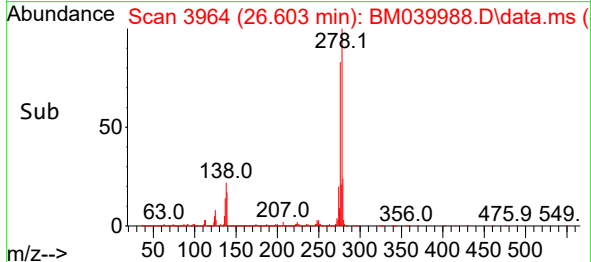
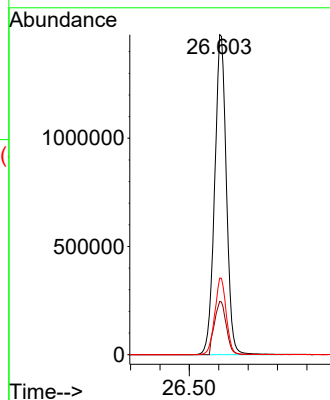
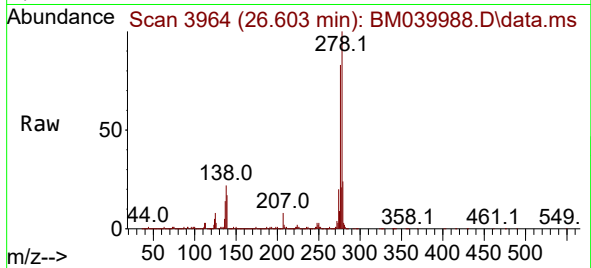
Tgt Ion:278 Resp: 4087450

Ion Ratio Lower Upper

278 100

139 16.7 14.0 21.0

279 24.0 19.0 28.4



#92

Benzo(g,h,i)perylene

Concen: 46.551 ng

RT: 27.380 min Scan# 4096

Delta R.T. 0.018 min

Lab File: BM039988.D

Acq: 24 May 2023 17:35

Tgt Ion:276 Resp: 3595188

Ion Ratio Lower Upper

276 100

277 23.7 19.1 28.7

138 24.2 20.6 31.0

