

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM022823\
 Data File : BM038817.D
 Acq On : 28 Feb 2023 18:39
 Operator : CG/JU
 Sample : SSTD16038
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 SSTD160045

Quant Time: Mar 01 01:35:48 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM022823.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Mar 01 01:29:16 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.016	152	259333	20.000	ng/ul	0.00
20) Naphthalene-d8	10.834	136	1205403	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.651	164	758935	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.398	188	1609947	20.000	ng/ul	0.00
79) Chrysene-d12	21.580	240	1569939	20.000	ng/ul	0.01
88) Perylene-d12	24.039	264	1853757	20.000	ng/ul	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.381	96	412450	84.755	ng/uL	0.00
4) Pyridine-d5	3.799	84	3201104	252.492	ng/ul	0.00
7) Phenol-d5	7.175	99	4059648	240.651	ng/ul	0.02
9) Bis-(2-Chloroethyl)eth...	7.346	67	2413994	260.324	ng/ul	0.00
11) 2-Chlorophenol-d4	7.546	132	3222181	207.998	ng/ul	0.00
15) 4-Methylphenol-d8	8.734	113	3218432	212.748	ng/ul	0.02
21) Nitrobenzene-d5	9.187	128	1636397	182.697	ng/ul	0.00
24) 2-Nitrophenol-d4	9.910	143	1762190	145.141	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.451	165	3198962	131.145	ng/ul	0.01
31) 4-Chloroaniline-d4	10.975	131	4887927	173.299	ng/ul	0.01
46) Dimethylphthalate-d6	14.075	166	9106173	151.190	ng/ul	0.02
49) Acenaphthylene-d8	14.351	160	10941246	163.048	ng/ul	0.00
54) 4-Nitrophenol-d4	14.857	143	1990108	202.934	ng/ul	0.04
60) Fluorene-d10	15.645	176	7884195	154.242	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.769	200	1733182	176.350	ng/ul	0.02
73) Anthracene-d10	17.504	188	12046672	158.555	ng/ul	0.01
81) Pyrene-d10	19.786	212	13666502	143.749	ng/ul	0.01
92) Benzo(a)pyrene-d12	23.892	264	15514734	161.623	ng/ul	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.416	88	442974	89.016	ng/uL	100
5) Pyridine	3.822	79	3349256	262.838	ng/ul	95
6) Benzaldehyde	7.146	77	1145164	170.158	ng/ul	99
8) Phenol	7.198	94	4318259	256.227	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.440	93	3266698	241.559	ng/ul	99
12) 2-Chlorophenol	7.581	128	3256824	216.372	ng/ul	95
13) 2-Methylphenol	8.457	108	3231234	229.343	ng/ul	99
14) 2,2'-oxybis(1-Chloropr...	8.557	45	3990015	336.335	ng/ul	99
16) Acetophenone	8.851	105	5132059	209.954	ng/ul	96
17) N-Nitroso-di-n-propyla...	8.857	70	2536329	234.898	ng/ul	94
18) 4-Methylphenol	8.804	108	3562667	229.003	ng/ul	98
19) Hexachloroethane	9.104	117	1265257	193.718	ng/ul	99
22) Nitrobenzene	9.234	77	3824007	201.265	ng/ul	97
23) Isophorone	9.775	82	7599932	205.576	ng/ul	97
25) 2-Nitrophenol	9.945	139	1879742	156.783	ng/ul	96
26) 2,4-Dimethylphenol	10.004	107	3743369	185.023	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.251	93	4520735	203.427	ng/ul	98
29) 2,4-Dichlorophenol	10.481	162	3165107	133.485	ng/ul	99
30) Naphthalene	10.886	128	10330557	173.189	ng/ul	98
32) 4-Chloroaniline	10.998	127	4905724	177.518	ng/ul	99
33) Hexachlorobutadiene	11.175	225	1797106	145.792	ng/ul	99
34) Caprolactam	11.804	113	564730	101.965	ng/ul	93
35) 4-Chloro-3-methylphenol	12.122	107	3504696	189.686	ng/ul	98
36) 2-Methylnaphthalene	12.492	142	6978401	149.283	ng/ul	99

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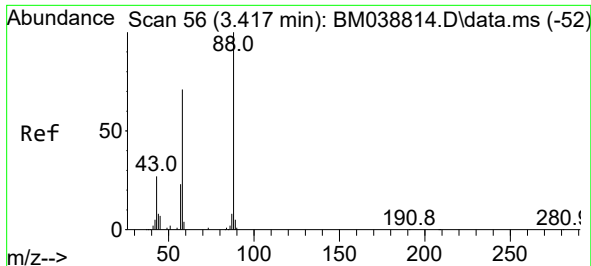
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.710	142	6985278	144.809	ng/ul	100
39) 1,2,4,5-Tetrachloroben...	12.857	216	3651564	204.726	ng/ul	98
40) Hexachlorocyclopentadiene	12.839	237	2327430	228.902	ng/ul	96
41) 2,4,6-Trichlorophenol	13.092	196	2565880	178.649	ng/ul	98
42) 2,4,5-Trichlorophenol	13.163	196	2804914	179.191	ng/ul	99
43) 1,1'-Biphenyl	13.498	154	9110174	162.851	ng/ul	97
44) 2-Chloronaphthalene	13.539	162	7362531	162.093	ng/ul	98
45) 2-Nitroaniline	13.739	65	2279395	263.305	ng/ul	95
47) Dimethylphthalate	14.122	163	9047821	151.670	ng/ul	99
48) 2,6-Dinitrotoluene	14.239	165	2016600	170.373	ng/ul	91
50) Acenaphthylene	14.380	152	11307004	162.430	ng/ul	97
51) 3-Nitroaniline	14.563	138	2031438	207.837	ng/ul#	92
52) Acenaphthene	14.722	153	7850903	159.378	ng/ul	98
53) 2,4-Dinitrophenol	14.763	184	1232710	169.264	ng/ul	89
55) 4-Nitrophenol	14.874	109	1437959	168.436	ng/ul	94
56) Dibenzofuran	15.057	168	10572831	150.490	ng/ul	100
57) 2,4-Dinitrotoluene	15.022	165	2865550	167.571	ng/ul	89
58) 2,3,4,6-Tetrachlorophenol	15.274	232	2397722	202.451	ng/ul	94
59) Diethylphthalate	15.486	149	9141923	153.434	ng/ul	98
61) Fluorene	15.704	166	8489517	144.818	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.698	204	4177453	164.804	ng/ul	98
63) 4-Nitroaniline	15.733	138	1796304	238.201	ng/ul	96
66) 4,6-Dinitro-2-methylph...	15.780	198	1698843	178.328	ng/ul#	99
67) N-Nitrosodiphenylamine	15.910	169	7586220	159.175	ng/ul	100
68) 4-Bromophenyl-phenylether	16.592	248	2755728	182.723	ng/ul	93
69) Hexachlorobenzene	16.704	284	3182108	165.568	ng/ul	96
70) Atrazine	16.868	200	2713392	156.925	ng/ul	97
71) Pentachlorophenol	17.039	266	2119259	178.999	ng/ul	98
72) Phenanthrene	17.439	178	13417484	148.684	ng/ul	97
74) Anthracene	17.533	178	13031645	141.934	ng/ul	93
75) 1,2,3,4-Tetrachloroben...	13.457	216	3798223	217.879	ng/ul	99
76) Pentachlorobenzene	14.974	250	3686790	186.483	ng/ul	99
77) Carbazole	17.804	167	13050772	153.761	ng/ul	97
78) Di-n-butylphthalate	18.368	149	13119560	119.110	ng/ul#	91
80) Fluoranthene	19.445	202	14053736	117.332	ng/ul#	94
82) Pyrene	19.815	202	14126047	112.660	ng/ul#	87
83) Butylbenzylphthalate	20.715	149	7095314	114.079	ng/ul	92
84) 3,3'-Dichlorobenzidine	21.492	252	4582636	122.443	ng/ul	100
85) Benzo(a)anthracene	21.562	228	15106097	138.621	ng/ul#	80
86) Bis(2-ethylhexyl)phtha...	21.498	149	9146499	99.086	ng/ul#	93
87) Chrysene	21.615	228	13983485	138.895	ng/ul#	90
89) Di-n-octyl phthalate	22.445	149	15132120	79.473	ng/ul	100
90) Benzo(b)fluoranthene	23.297	252	18718816	154.468	ng/ul	97
91) Benzo(k)fluoranthene	23.345	252	17170608	143.342	ng/ul	97
93) Benzo(a)pyrene	23.950	252	16768302	165.339	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.638	276	22005531	171.096	ng/ul	98
95) Dibenzo(a,h)anthracene	26.668	278	17873384	166.106	ng/ul	98
96) Benzo(g,h,i)perylene	27.438	276	18010908	177.969	ng/ul	97

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

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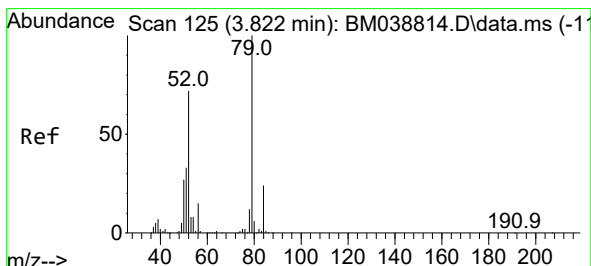
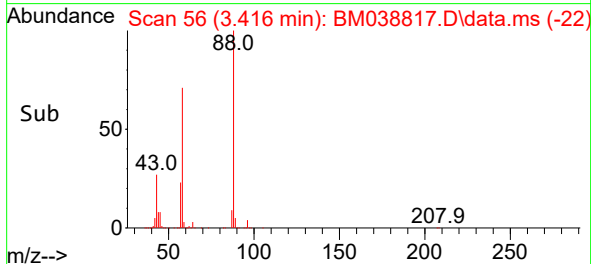
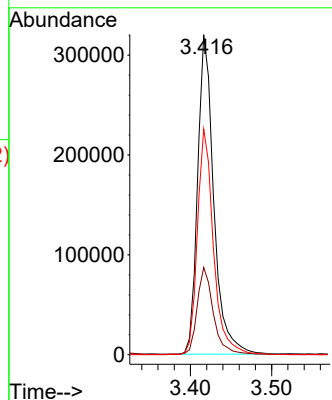
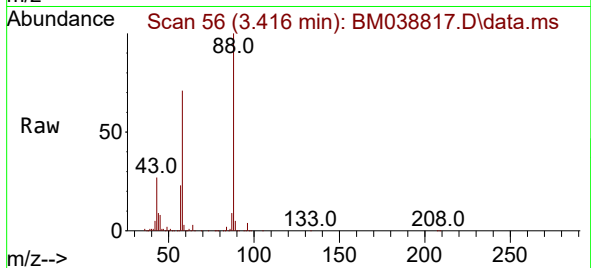




#2
1,4-Dioxane
Concen: 89.016 ng/uL
RT: 3.416 min Scan# 50
Delta R.T. -0.000 min
Lab File: BM038817.D
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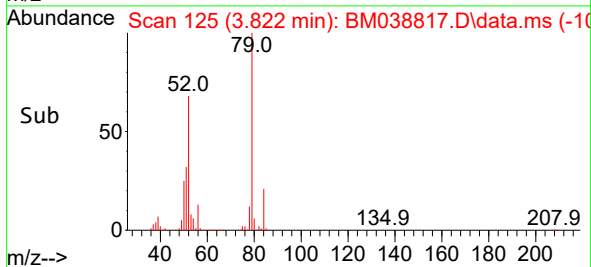
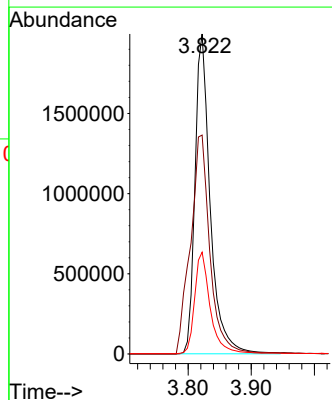
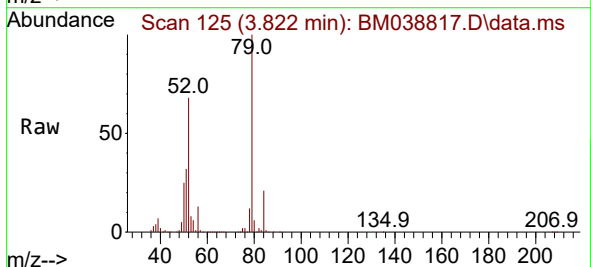
Instrument :
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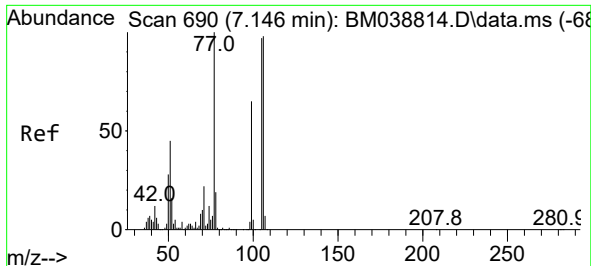
Tgt Ion: 88 Resp: 442974
Ion Ratio Lower Upper
88 100
43 27.2 21.5 32.3
58 70.6 56.4 84.6



#5
Pyridine
Concen: 262.838 ng/uL
RT: 3.822 min Scan# 125
Delta R.T. -0.000 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

Tgt Ion: 79 Resp: 3349256
Ion Ratio Lower Upper
79 100
52 68.4 57.8 86.6
51 31.8 27.8 41.6

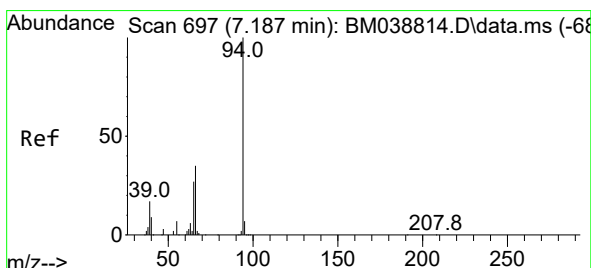
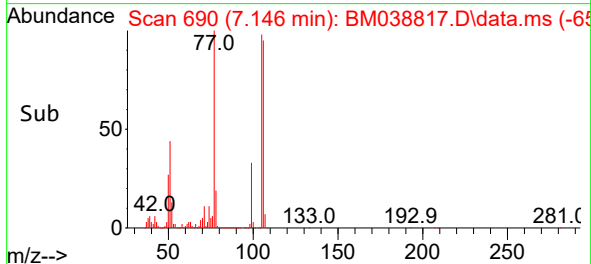
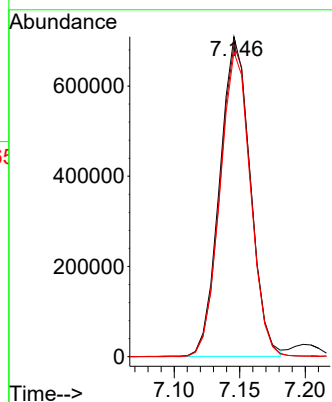
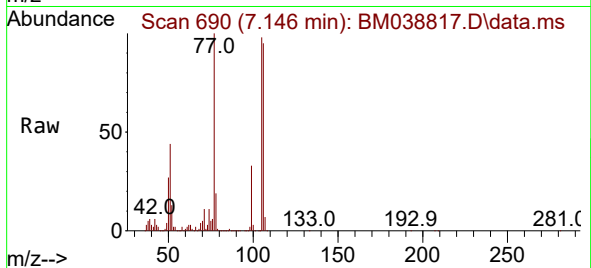




#6
Benzaldehyde
Concen: 170.158 ng/ul
RT: 7.146 min Scan# 690
Delta R.T. -0.000 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

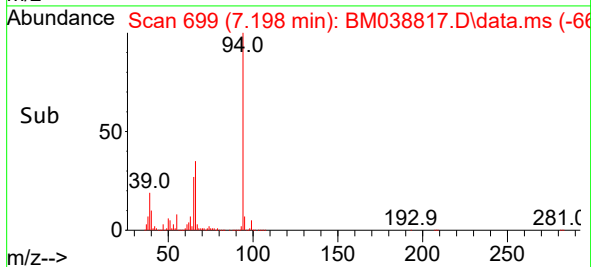
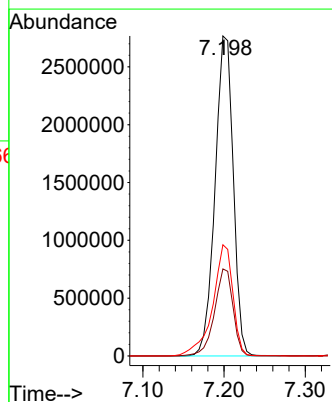
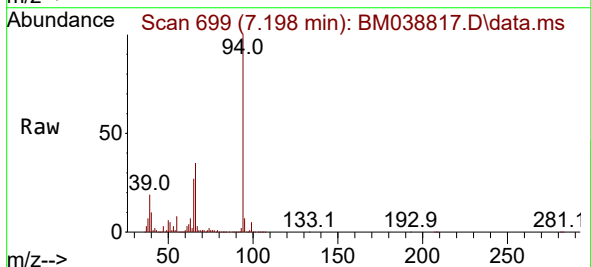
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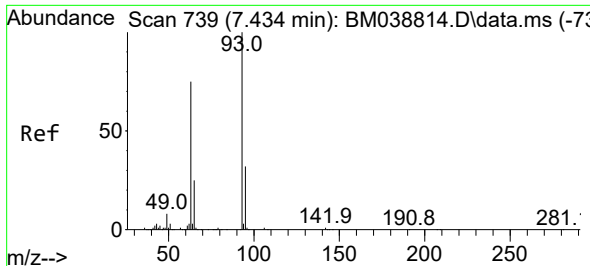
Tgt Ion: 77 Resp: 1145164
Ion Ratio Lower Upper
77 100
105 97.5 77.9 116.9
106 95.2 78.3 117.5



#8
Phenol
Concen: 256.227 ng/ul
RT: 7.198 min Scan# 699
Delta R.T. 0.012 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

Tgt Ion: 94 Resp: 4318259
Ion Ratio Lower Upper
94 100
65 27.2 22.1 33.1
66 34.8 28.6 43.0

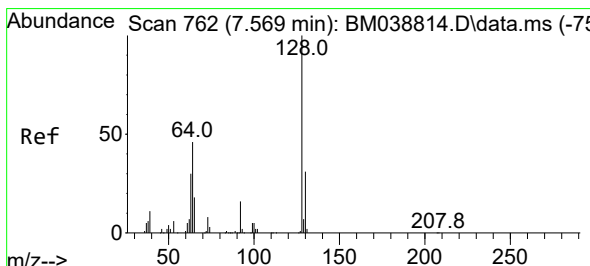
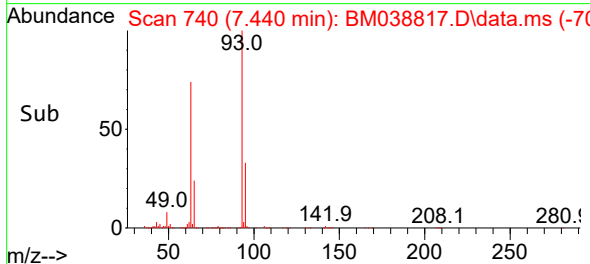
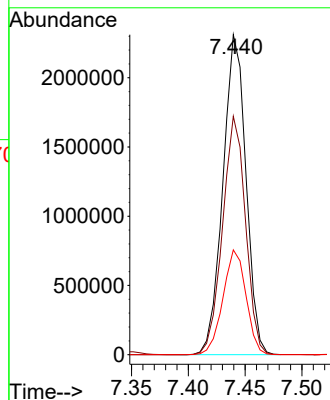
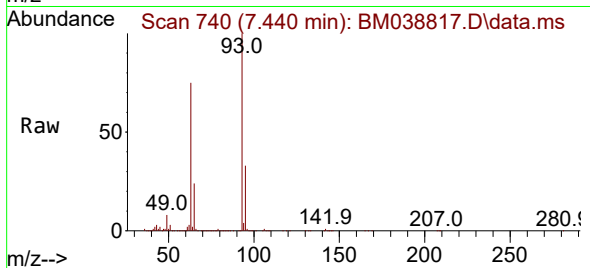




#10
Bis(2-Chloroethyl)ether
Concen: 241.559 ng/ul
RT: 7.440 min Scan# 740
Delta R.T. 0.006 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

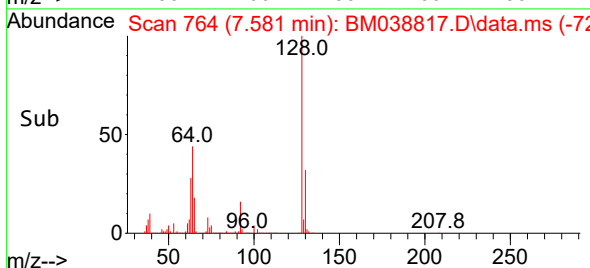
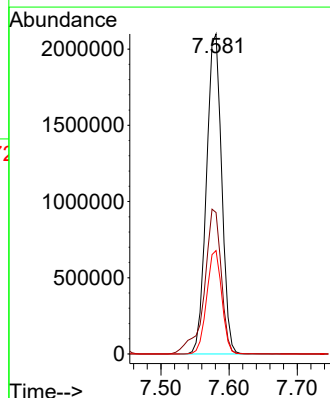
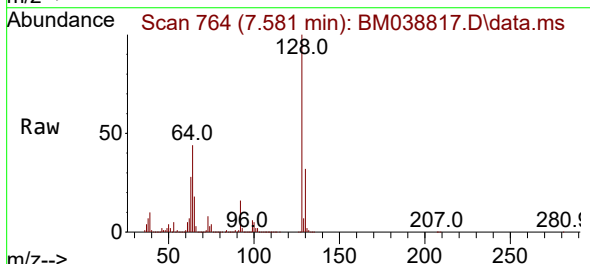
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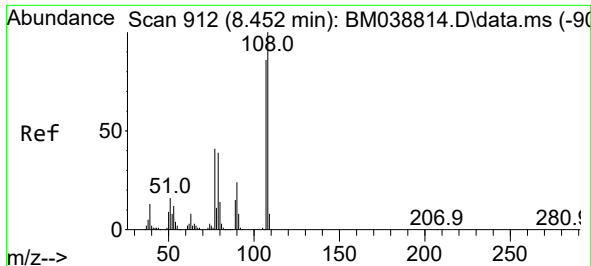
Tgt Ion: 93 Resp: 3266698
Ion Ratio Lower Upper
93 100
63 74.5 60.3 90.5
95 32.8 25.8 38.6



#12
2-Chlorophenol
Concen: 216.372 ng/ul
RT: 7.581 min Scan# 764
Delta R.T. 0.012 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

Tgt Ion: 128 Resp: 3256824
Ion Ratio Lower Upper
128 100
64 44.2 38.9 58.3
130 32.3 25.1 37.7





#13

2-Methylphenol

Concen: 229.343 ng/ul

RT: 8.457 min Scan# 91

Delta R.T. 0.006 min

Lab File: BM038817.D

Acq: 28 Feb 2023 18:39

Instrument :

BNA_M

ClientSampleId :

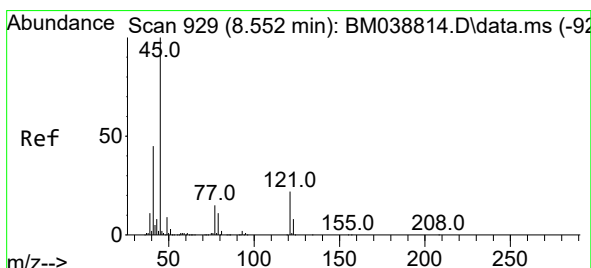
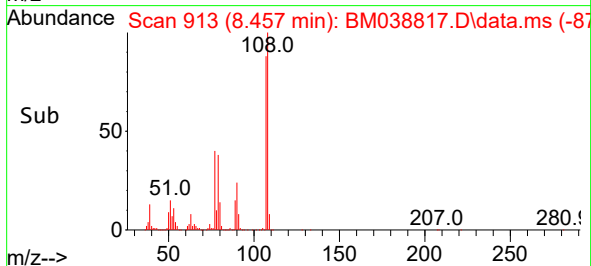
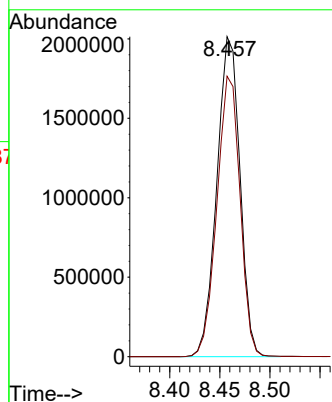
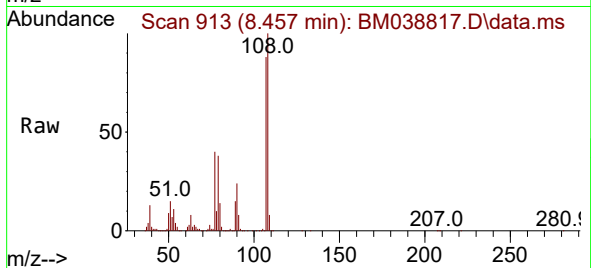
SSTD160045

Tgt Ion:108 Resp: 3231234

Ion Ratio Lower Upper

108 100

107 87.7 69.0 103.6



#14

2,2'-oxybis(1-Chloropropane)

Concen: 336.335 ng/ul

RT: 8.557 min Scan# 930

Delta R.T. 0.006 min

Lab File: BM038817.D

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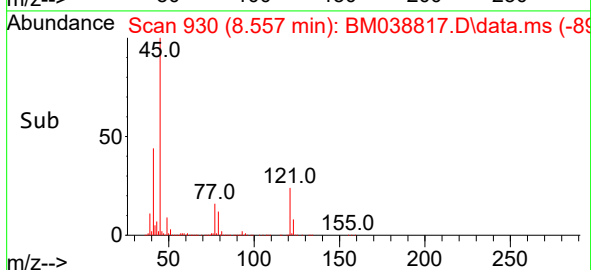
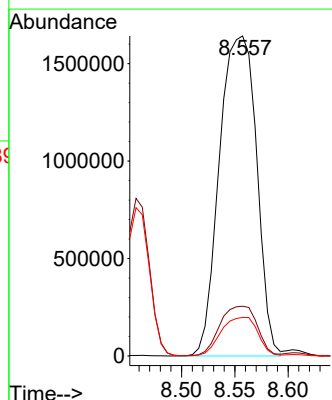
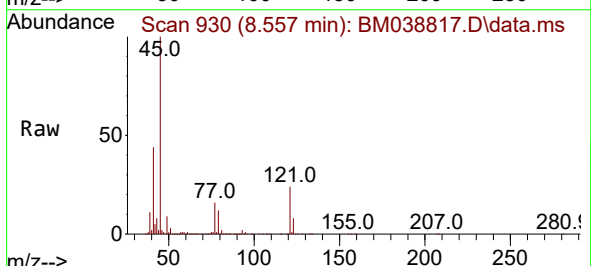
Tgt Ion: 45 Resp: 3990015

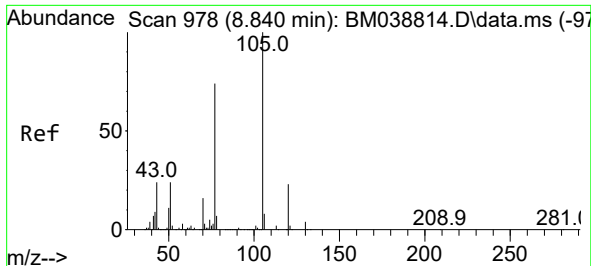
Ion Ratio Lower Upper

45 100

77 15.6 12.4 18.6

79 12.1 9.4 14.0

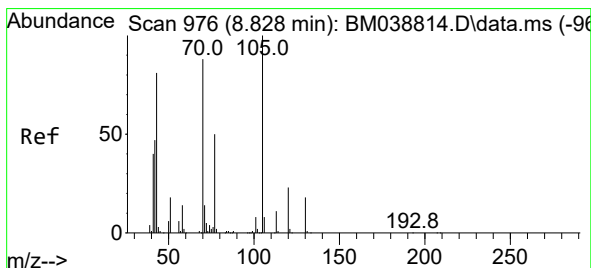
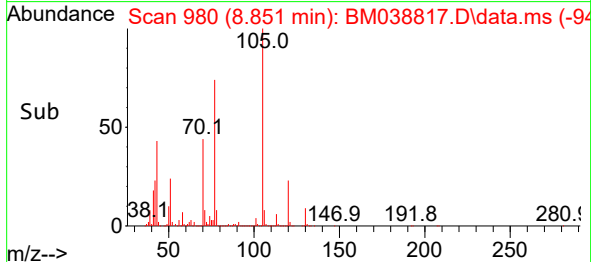
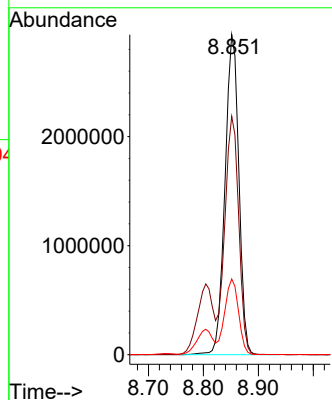
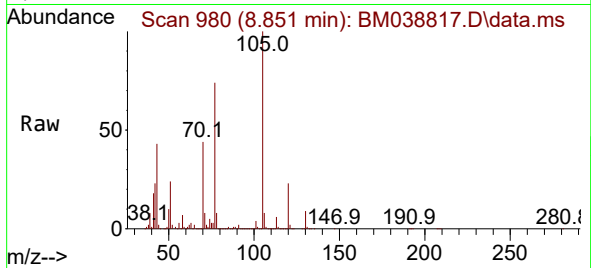




#16
Acetophenone
Concen: 209.954 ng/ul
RT: 8.851 min Scan# 91
Delta R.T. 0.012 min
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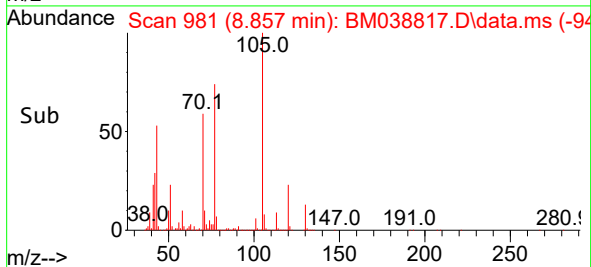
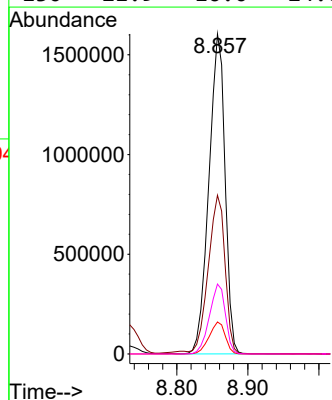
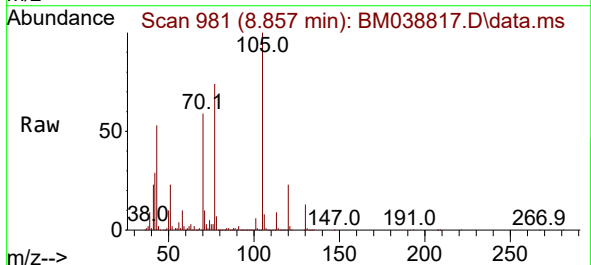
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SSTD160045

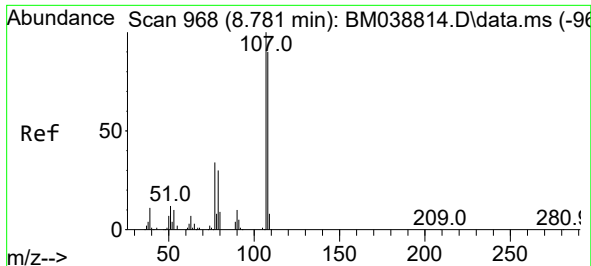
Tgt Ion:105 Resp: 5132059
Ion Ratio Lower Upper
105 100
77 74.5 62.6 93.8
51 23.7 20.8 31.2



#17
N-Nitroso-di-n-propylamine
Concen: 234.898 ng/ul
RT: 8.857 min Scan# 981
Delta R.T. 0.029 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

Tgt Ion: 70 Resp: 2536329
Ion Ratio Lower Upper
70 100
42 49.6 43.5 65.3
101 10.0 7.2 10.8
130 21.9 16.0 24.0





#18

4-Methylphenol

Concen: 229.003 ng/ul

RT: 8.804 min Scan# 91

Delta R.T. 0.023 min

Lab File: BM038817.D

Acq: 28 Feb 2023 18:39

Instrument :

BNA_M

ClientSampleId :

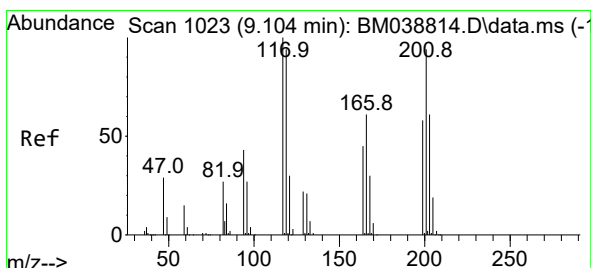
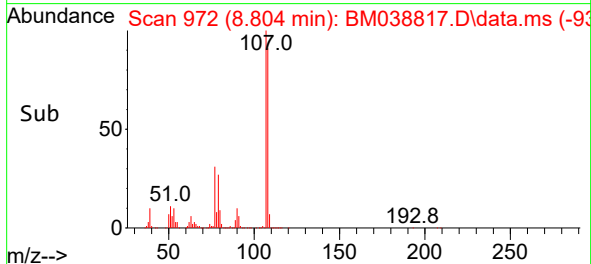
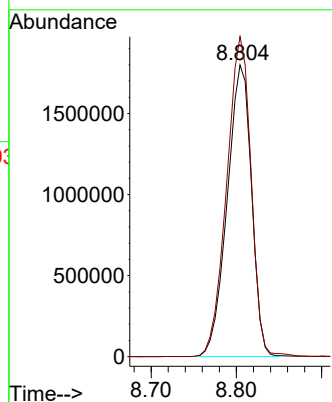
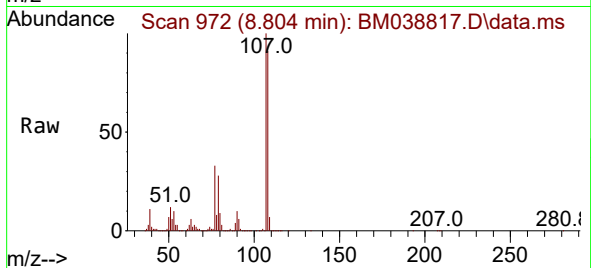
SSTD160045

Tgt Ion:108 Resp: 3562667

Ion Ratio Lower Upper

108 100

107 109.7 89.0 133.6



#19

Hexachloroethane

Concen: 193.718 ng/ul

RT: 9.104 min Scan# 1023

Delta R.T. -0.000 min

Lab File: BM038817.D

Acq: 28 Feb 2023 18:39

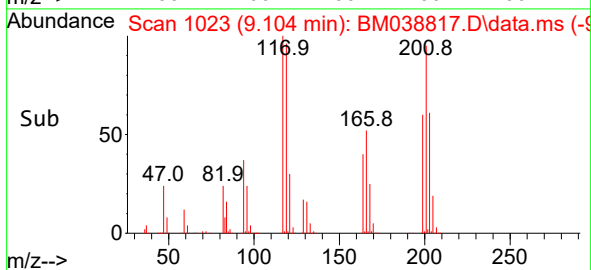
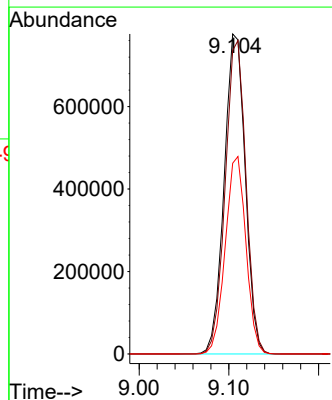
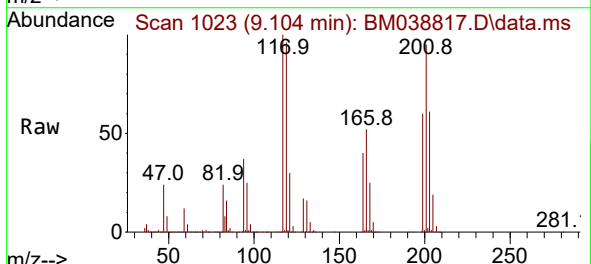
Tgt Ion:117 Resp: 1265257

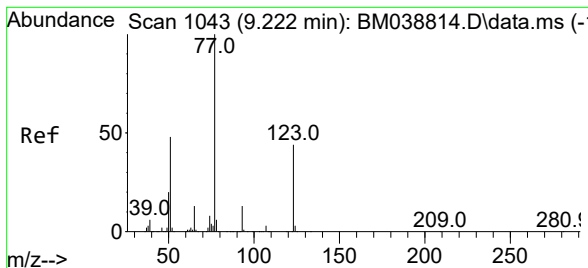
Ion Ratio Lower Upper

117 100

201 94.8 76.6 115.0

199 59.6 46.6 70.0

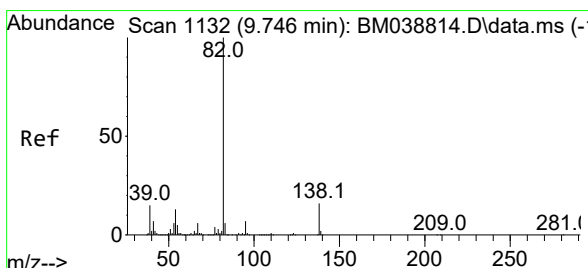
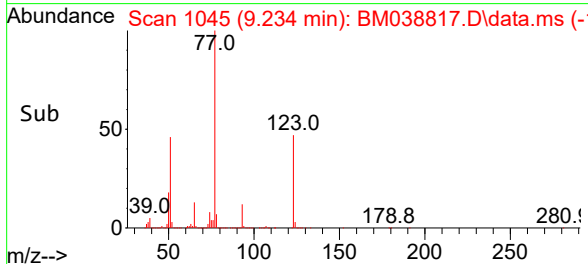
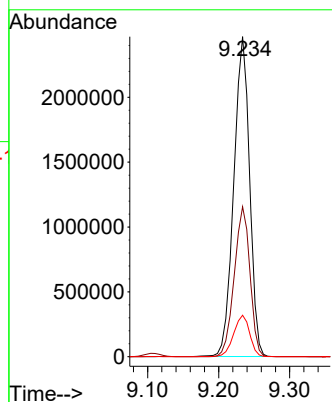
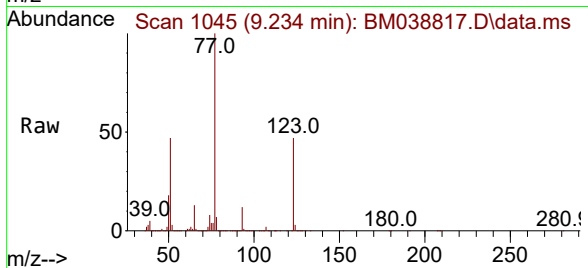




#22
Nitrobenzene
Concen: 201.265 ng/ul
RT: 9.234 min Scan# 1045
Delta R.T. 0.012 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

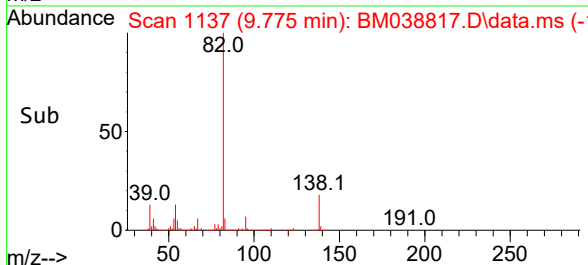
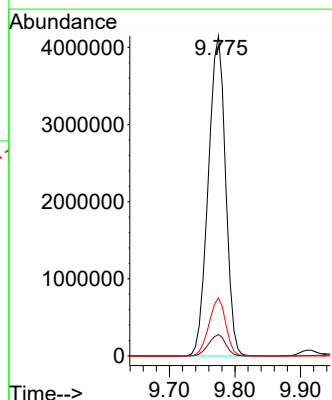
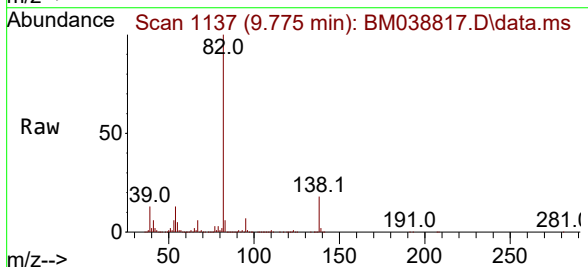
Instrument :
BNA_M
ClientSampleId :
SSTD160045

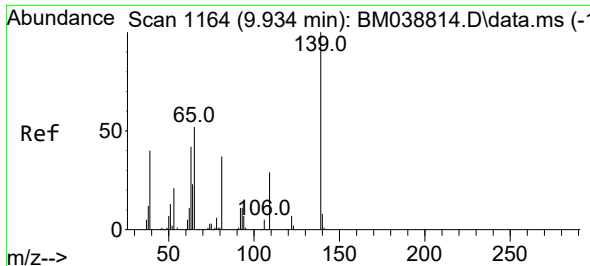
Tgt Ion: 77 Resp: 3824007
Ion Ratio Lower Upper
77 100
123 46.9 35.3 52.9
65 12.9 10.6 15.8



#23
Isophorone
Concen: 205.576 ng/ul
RT: 9.775 min Scan# 1137
Delta R.T. 0.029 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

Tgt Ion: 82 Resp: 7599932
Ion Ratio Lower Upper
82 100
95 6.7 5.2 7.8
138 18.1 13.1 19.7

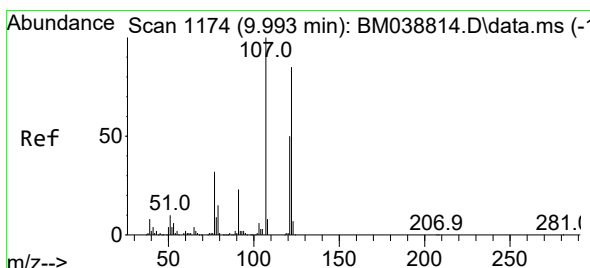
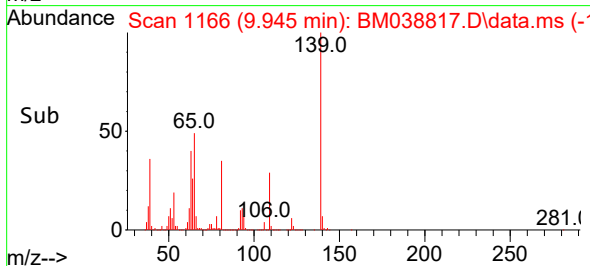
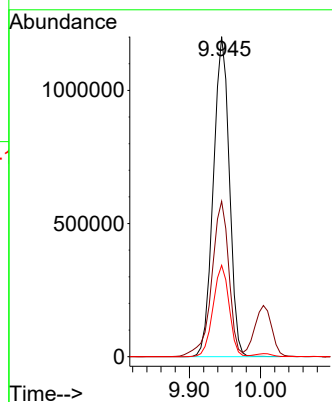
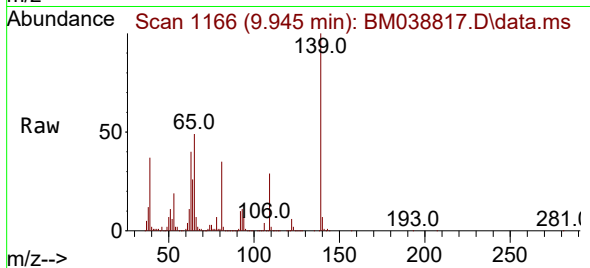




#25
2-Nitrophenol
Concen: 156.783 ng/ul
RT: 9.945 min Scan# 1166
Delta R.T. 0.012 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

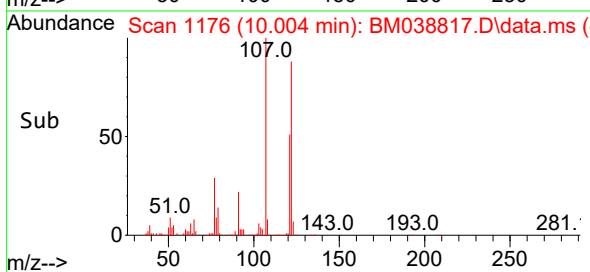
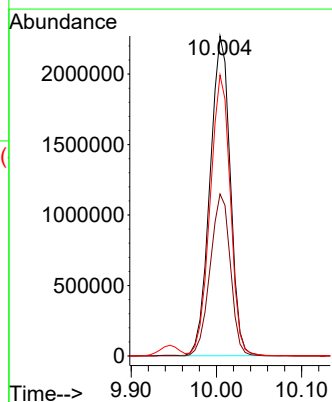
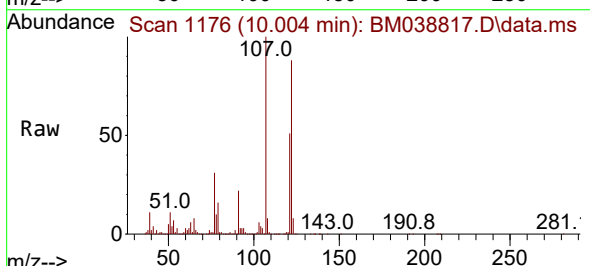
Instrument :
BNA_M
ClientSampleId :
SSTD160045

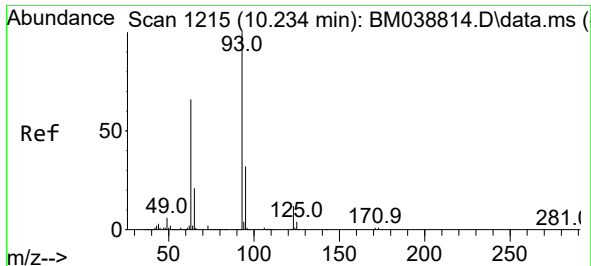
Tgt Ion:139 Resp: 1879742
Ion Ratio Lower Upper
139 100
65 48.5 42.6 63.8
109 28.6 23.1 34.7



#26
2,4-Dimethylphenol
Concen: 185.023 ng/ul
RT: 10.004 min Scan# 1176
Delta R.T. 0.012 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

Tgt Ion:107 Resp: 3743369
Ion Ratio Lower Upper
107 100
121 50.6 39.8 59.8
122 87.8 69.0 103.4





#27

Bis(2-Chloroethoxy)methane

Concen: 203.427 ng/ul

RT: 10.251 min Scan# 1218

Delta R.T. 0.017 min

Lab File: BM038817.D

Acq: 28 Feb 2023 18:39

Instrument :

BNA_M

ClientSampleId :

SSTD160045

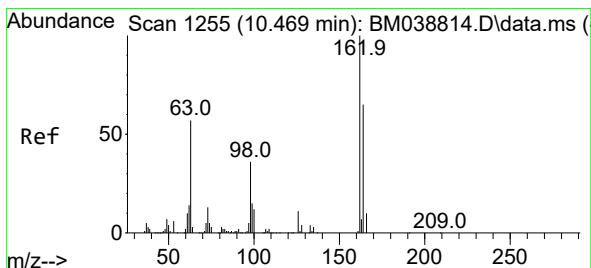
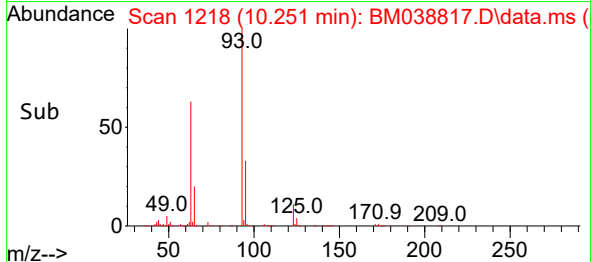
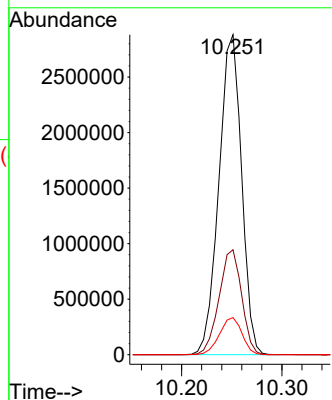
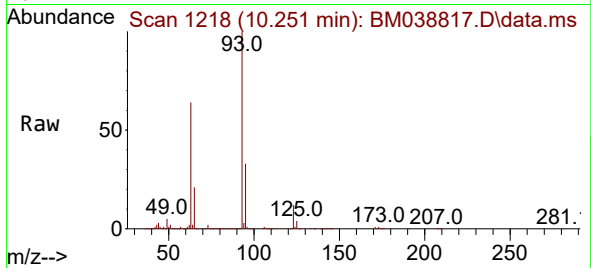
Tgt Ion: 93 Resp: 4520735

Ion Ratio Lower Upper

93 100

95 32.8 25.3 37.9

123 11.6 9.3 13.9



#29

2,4-Dichlorophenol

Concen: 133.485 ng/ul

RT: 10.481 min Scan# 1257

Delta R.T. 0.011 min

Lab File: BM038817.D

Acq: 28 Feb 2023 18:39

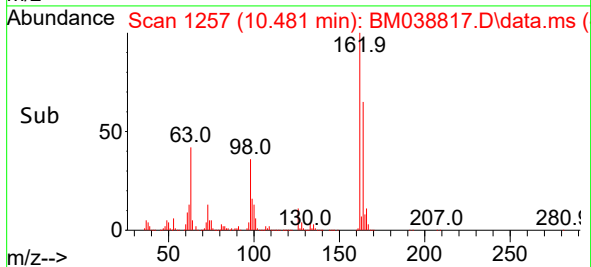
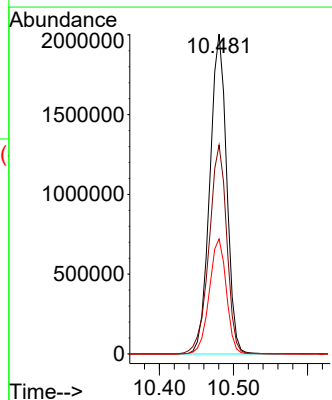
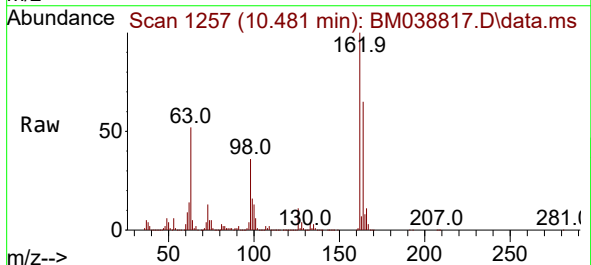
Tgt Ion:162 Resp: 3165107

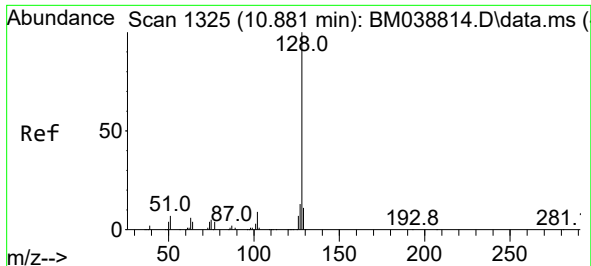
Ion Ratio Lower Upper

162 100

164 65.3 52.6 78.8

98 36.0 29.0 43.6

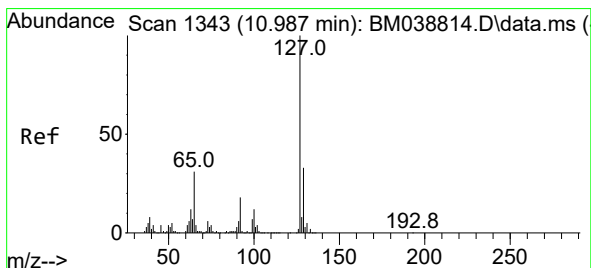
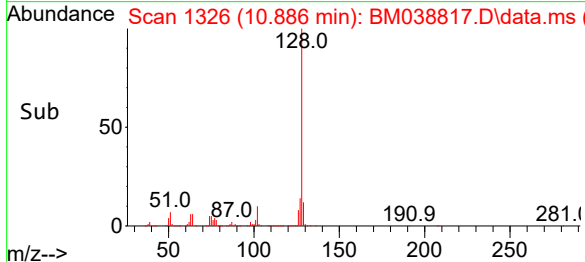
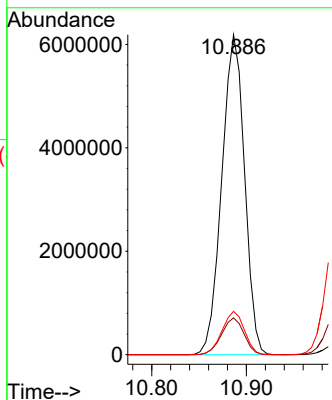
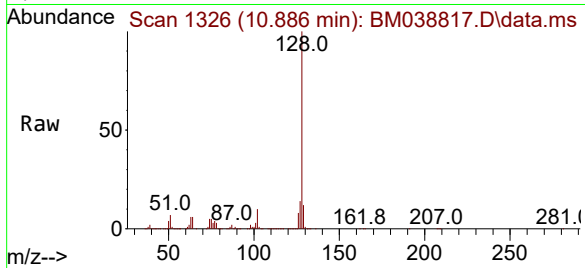




#30
Naphthalene
Concen: 173.189 ng/ul
RT: 10.886 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

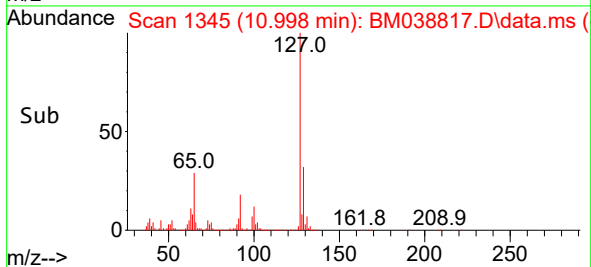
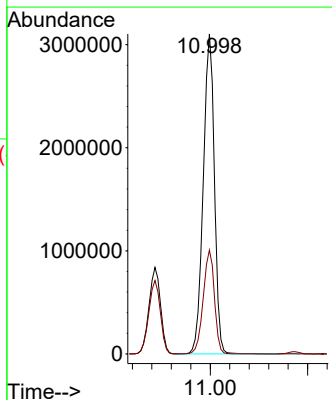
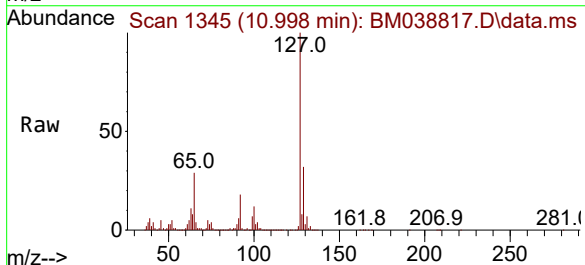
Instrument :
BNA_M
ClientSampleId :
SSTD160045

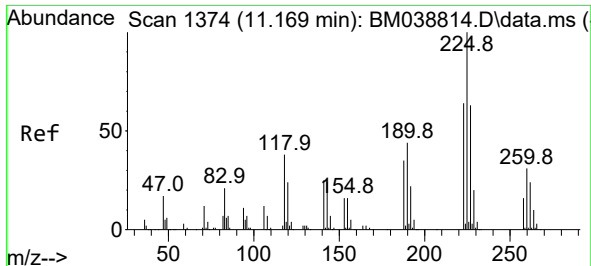
Tgt Ion:128 Resp:10330557
Ion Ratio Lower Upper
128 100
129 11.5 8.6 12.8
127 13.6 10.2 15.4



#32
4-Chloroaniline
Concen: 177.518 ng/ul
RT: 10.998 min Scan# 1345
Delta R.T. 0.012 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

Tgt Ion:127 Resp: 4905724
Ion Ratio Lower Upper
127 100
129 32.4 26.3 39.5

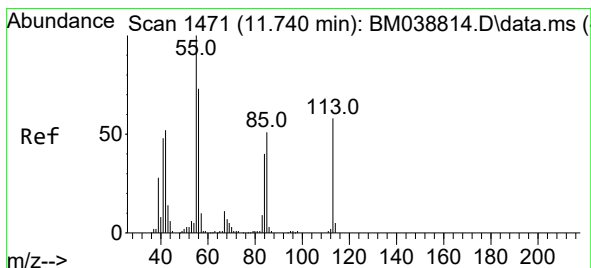
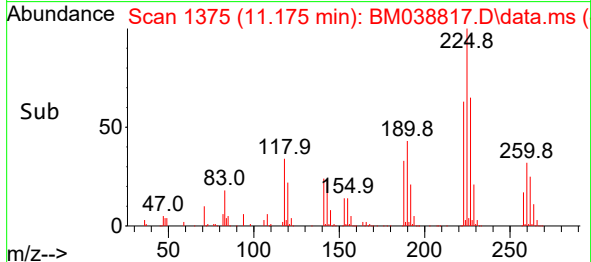
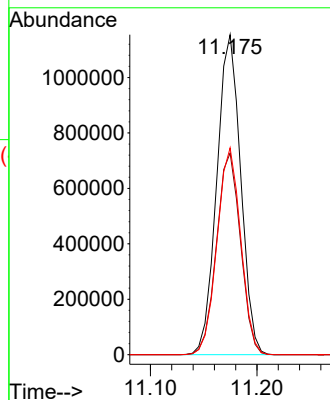
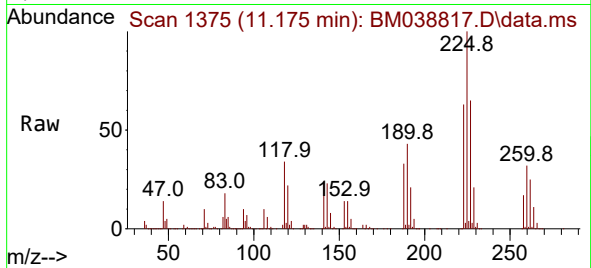




#33
Hexachlorobutadiene
Concen: 145.792 ng/ul
RT: 11.175 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

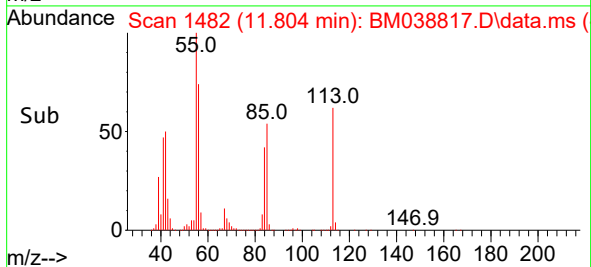
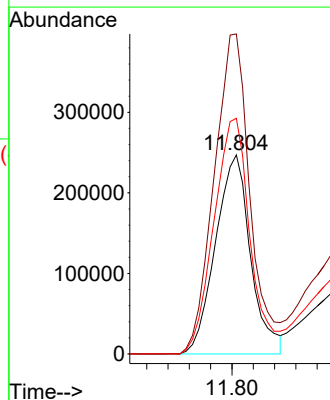
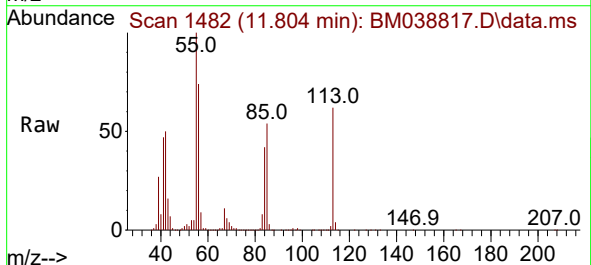
Instrument :
BNA_M
ClientSampleId :
SSTD160045

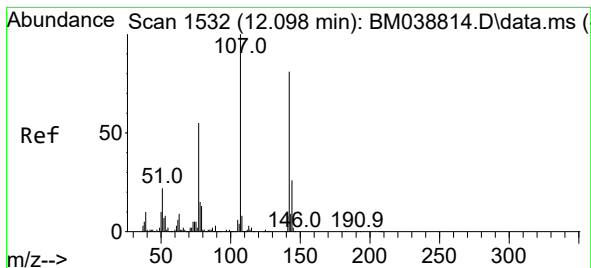
Tgt Ion:225 Resp: 1797106
Ion Ratio Lower Upper
225 100
223 63.0 50.9 76.3
227 64.7 50.4 75.6



#34
Caprolactam
Concen: 101.965 ng/ul
RT: 11.804 min Scan# 1482
Delta R.T. 0.064 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

Tgt Ion:113 Resp: 564730
Ion Ratio Lower Upper
113 100
55 160.8 137.0 205.6
56 118.4 99.9 149.9

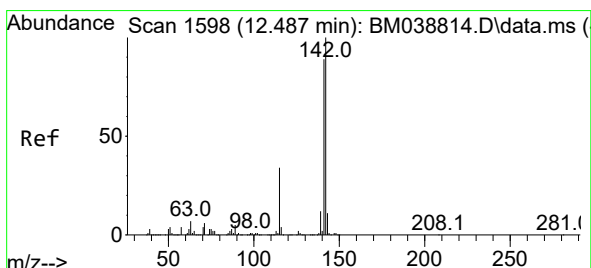
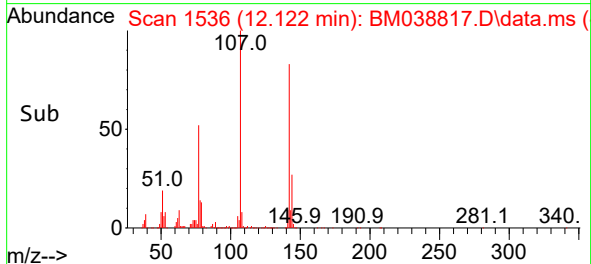
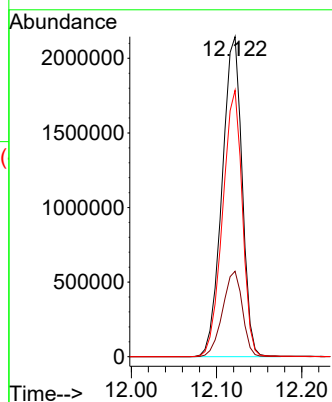
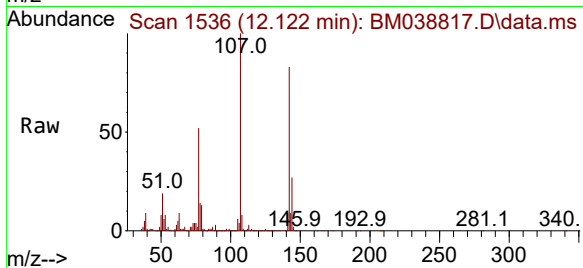




#35
4-Chloro-3-methylphenol
Concen: 189.686 ng/ul
RT: 12.122 min Scan# 1536
Delta R.T. 0.023 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

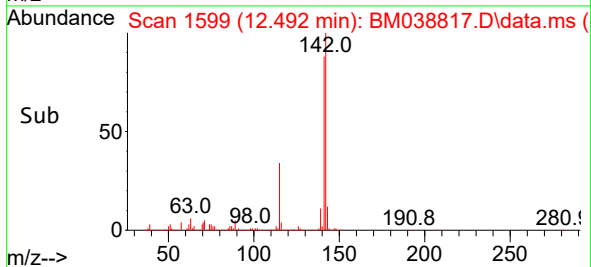
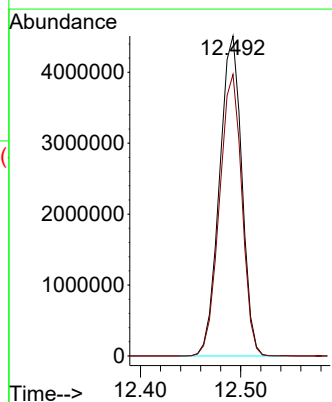
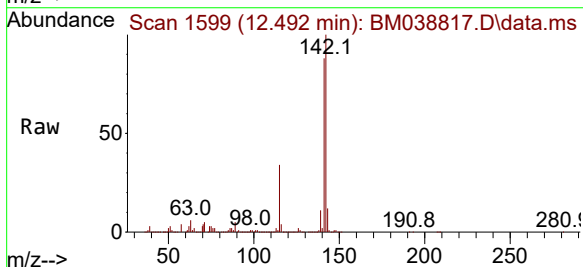
Instrument :
BNA_M
ClientSampleId :
SSTD160045

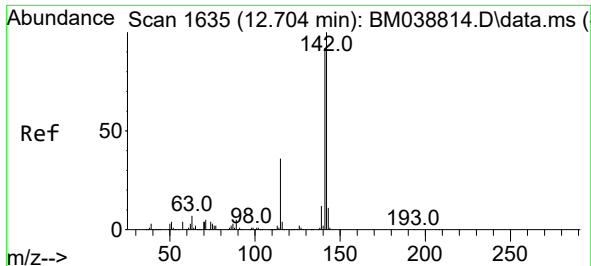
Tgt Ion:107 Resp: 3504696
Ion Ratio Lower Upper
107 100
144 26.7 21.1 31.7
142 83.3 64.7 97.1



#36
2-Methylnaphthalene
Concen: 149.283 ng/ul
RT: 12.492 min Scan# 1599
Delta R.T. 0.006 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

Tgt Ion:142 Resp: 6978401
Ion Ratio Lower Upper
142 100
141 88.0 71.0 106.6





#37

1-Methylnaphthalene

Concen: 144.809 ng/ul

RT: 12.710 min Scan# 1

Delta R.T. 0.006 min

Lab File: BM038817.D

Acq: 28 Feb 2023 18:39

Instrument :

BNA_M

ClientSampleId :

SSTD160045

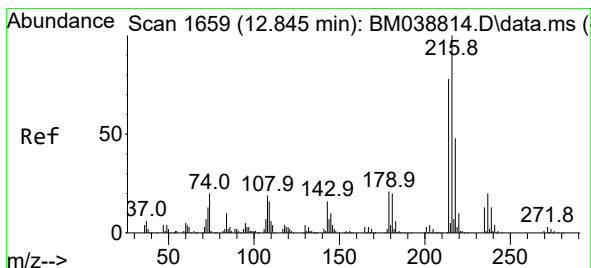
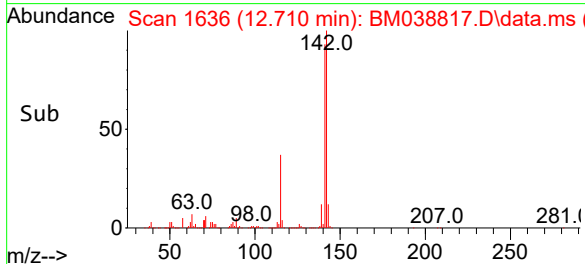
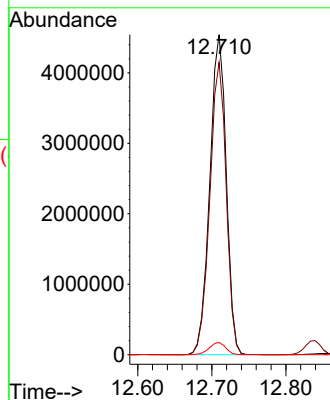
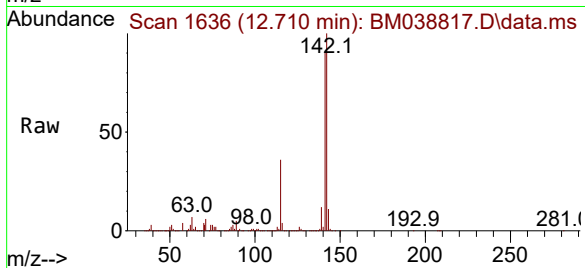
Tgt Ion:142 Resp: 6985278

Ion Ratio Lower Upper

142 100

141 91.4 73.4 110.0

116 3.8 3.2 4.8



#39

1,2,4,5-Tetrachlorobenzene

Concen: 204.726 ng/ul

RT: 12.857 min Scan# 1661

Delta R.T. 0.011 min

Lab File: BM038817.D

Acq: 28 Feb 2023 18:39

Tgt Ion:216 Resp: 3651564

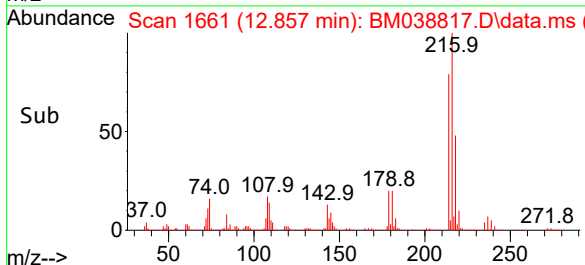
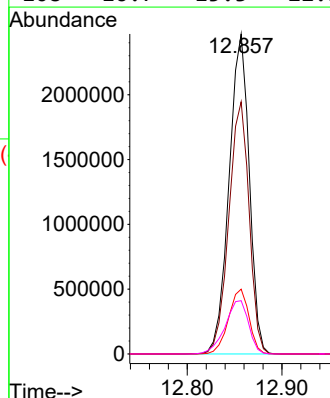
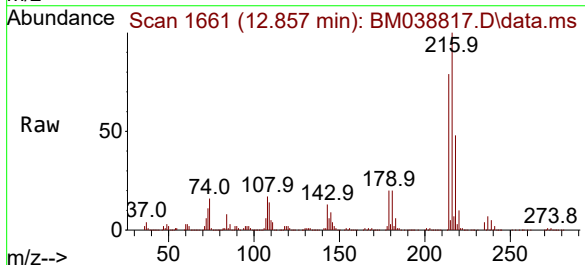
Ion Ratio Lower Upper

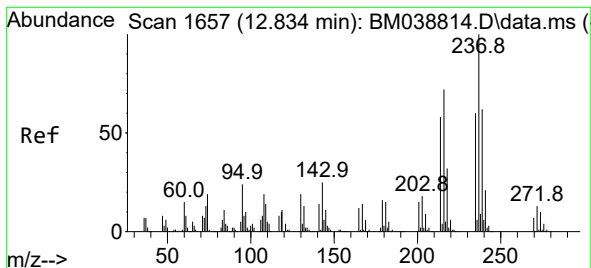
216 100

214 78.8 62.2 93.4

179 20.3 16.4 24.6

108 16.7 15.3 22.9





#40

Hexachlorocyclopentadiene

Concen: 228.902 ng/ul

RT: 12.839 min Scan# 1

Delta R.T. 0.006 min

Lab File: BM038817.D

Acq: 28 Feb 2023 18:39

Instrument :

BNA_M

ClientSampleId :

SSTD160045

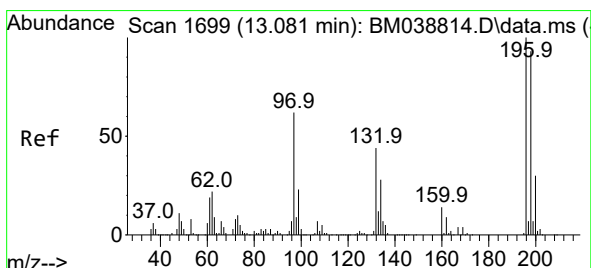
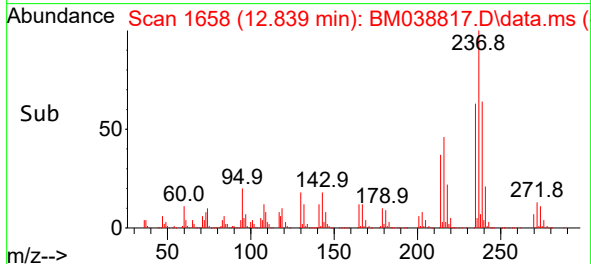
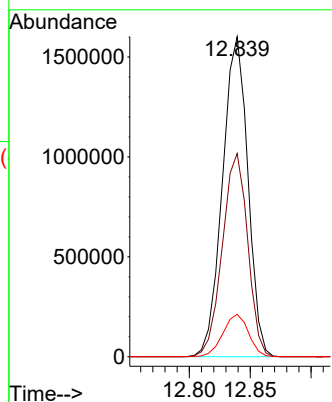
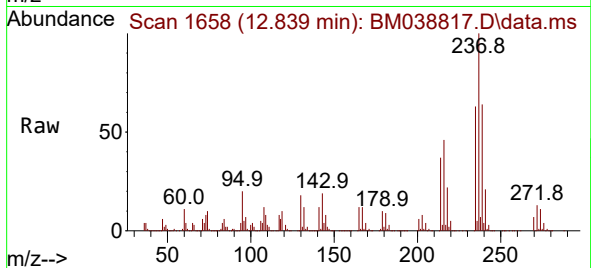
Tgt Ion:237 Resp: 2327430

Ion Ratio Lower Upper

237 100

235 63.5 48.1 72.1

272 13.3 10.0 15.0



#41

2,4,6-Trichlorophenol

Concen: 178.649 ng/ul

RT: 13.092 min Scan# 1701

Delta R.T. 0.012 min

Lab File: BM038817.D

Acq: 28 Feb 2023 18:39

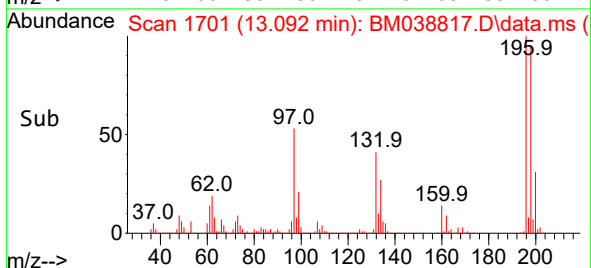
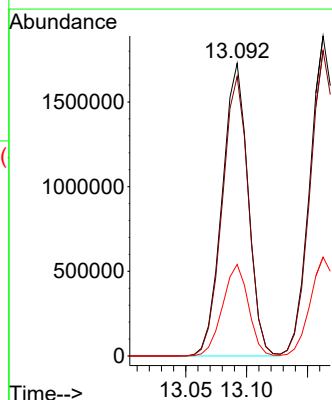
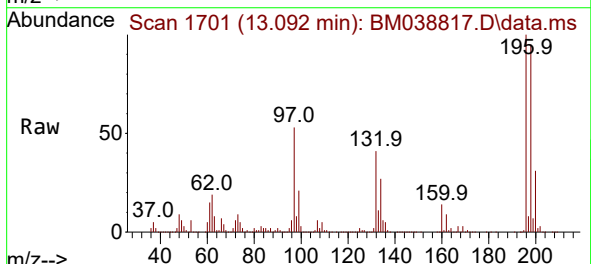
Tgt Ion:196 Resp: 2565880

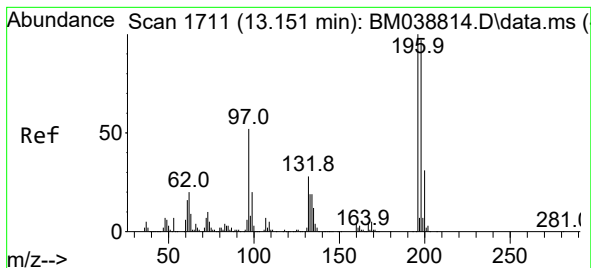
Ion Ratio Lower Upper

196 100

198 95.5 74.8 112.2

200 31.3 24.3 36.5





#42

2,4,5-Trichlorophenol

Concen: 179.191 ng/ul

RT: 13.163 min Scan# 1

Delta R.T. 0.012 min

Lab File: BM038817.D

Acq: 28 Feb 2023 18:39

Instrument :

BNA_M

ClientSampleId :

SSTD160045

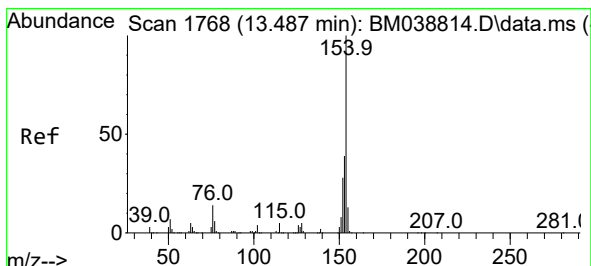
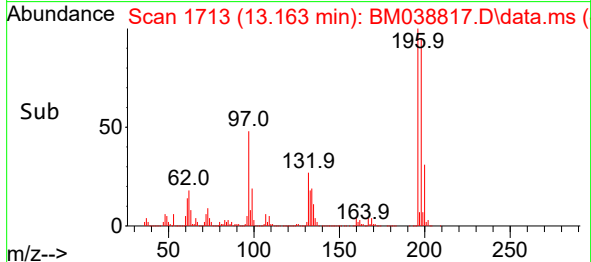
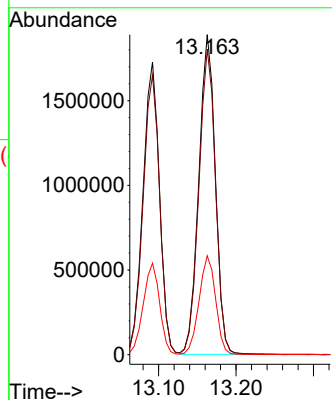
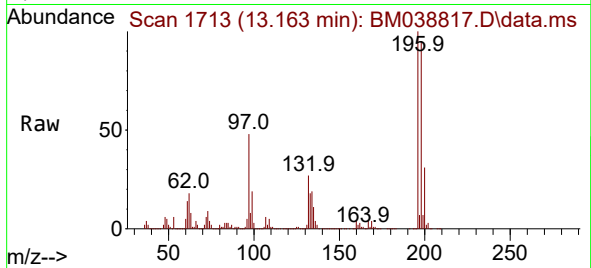
Tgt Ion:196 Resp: 2804914

Ion Ratio Lower Upper

196 100

198 95.4 77.5 116.3

200 30.9 24.8 37.2



#43

1,1'-Biphenyl

Concen: 162.851 ng/ul

RT: 13.498 min Scan# 1770

Delta R.T. 0.011 min

Lab File: BM038817.D

Acq: 28 Feb 2023 18:39

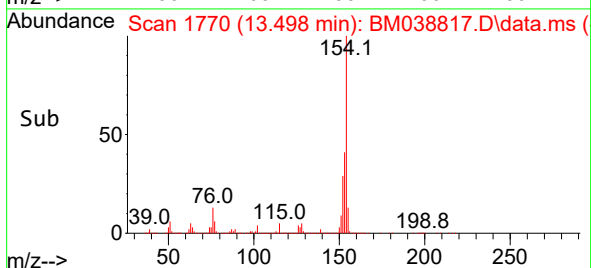
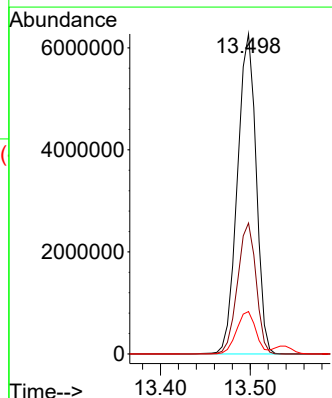
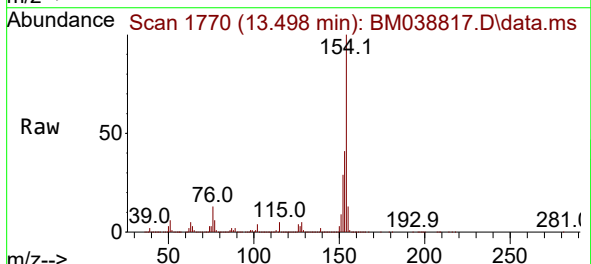
Tgt Ion:154 Resp: 9110174

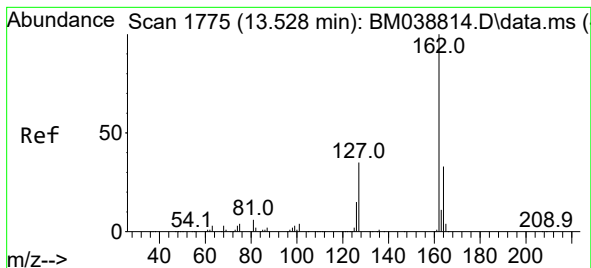
Ion Ratio Lower Upper

154 100

153 40.9 31.3 46.9

76 13.2 11.0 16.6





#44

2-Chloronaphthalene

Concen: 162.093 ng/ul

RT: 13.539 min Scan# 1

Delta R.T. 0.012 min

Lab File: BM038817.D

Acq: 28 Feb 2023 18:39

Instrument :

BNA_M

ClientSampleId :

SSTD160045

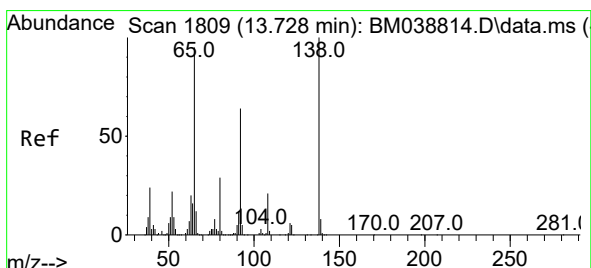
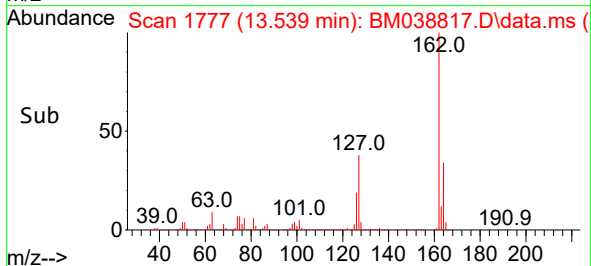
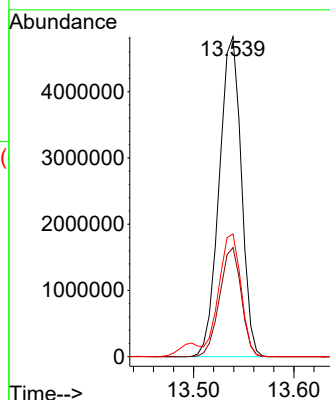
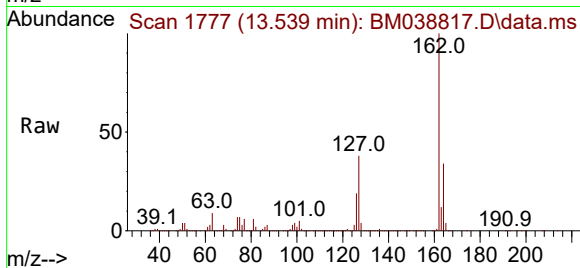
Tgt Ion:162 Resp: 7362531

Ion Ratio Lower Upper

162 100

164 34.1 26.6 40.0

127 38.3 31.5 47.3



#45

2-Nitroaniline

Concen: 263.305 ng/ul

RT: 13.739 min Scan# 1811

Delta R.T. 0.012 min

Lab File: BM038817.D

Acq: 28 Feb 2023 18:39

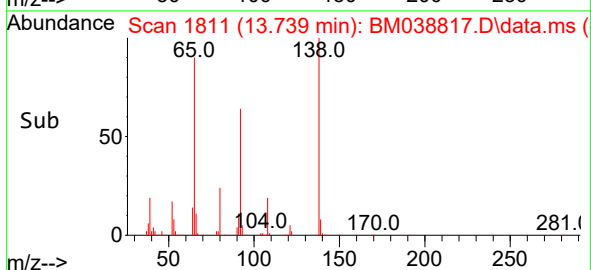
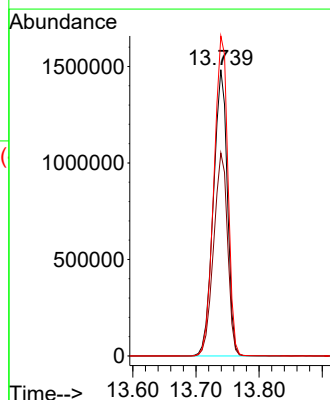
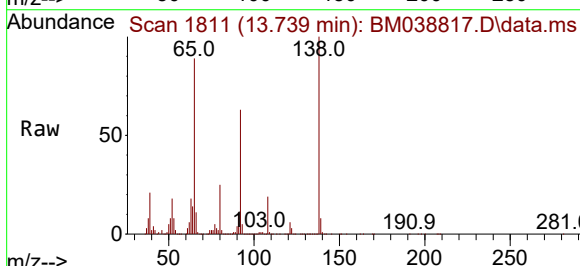
Tgt Ion: 65 Resp: 2279395

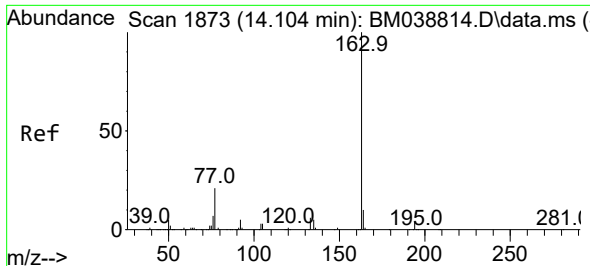
Ion Ratio Lower Upper

65 100

92 70.9 54.2 81.2

138 111.8 84.3 126.5

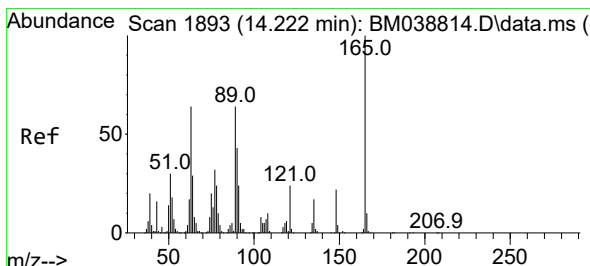
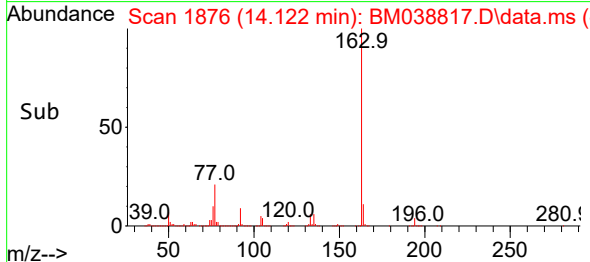
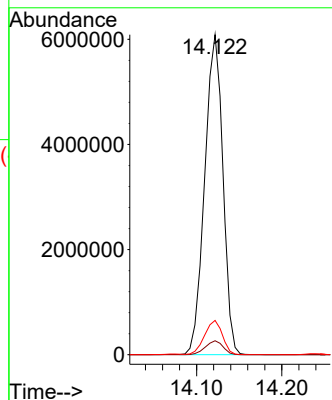
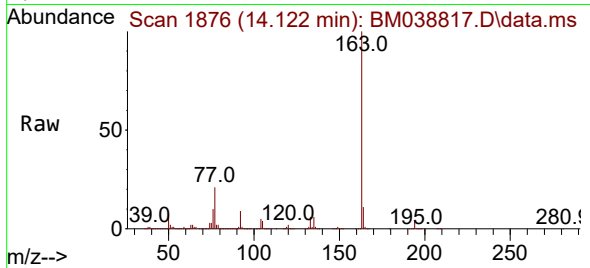




#47
Dimethylphthalate
Concen: 151.670 ng/ul
RT: 14.122 min Scan# 1876
Delta R.T. 0.017 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

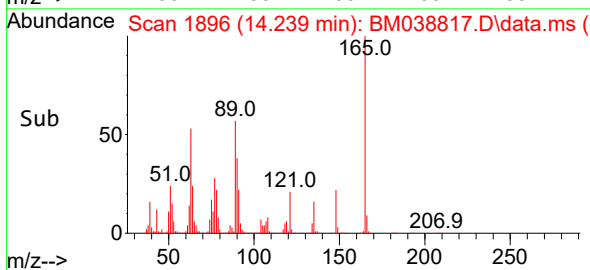
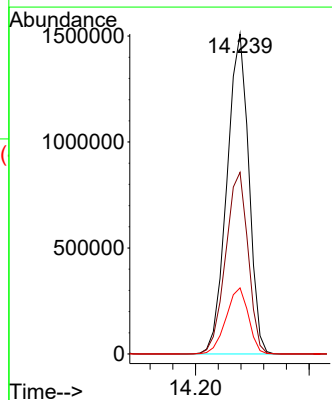
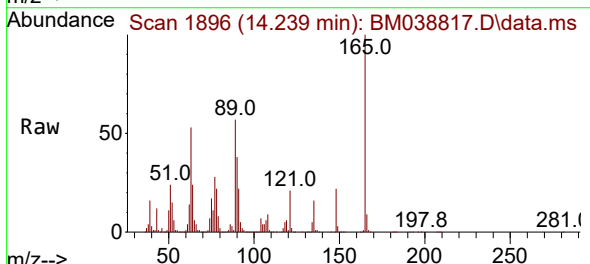
Instrument :
BNA_M
ClientSampleId :
SSTD160045

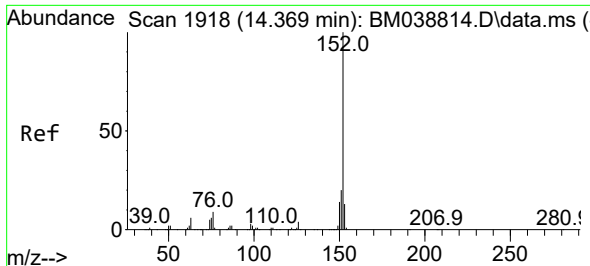
Tgt Ion:163 Resp: 9047821
Ion Ratio Lower Upper
163 100
194 4.3 3.0 4.6
164 10.7 8.4 12.6



#48
2,6-Dinitrotoluene
Concen: 170.373 ng/ul
RT: 14.239 min Scan# 1896
Delta R.T. 0.017 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

Tgt Ion:165 Resp: 2016600
Ion Ratio Lower Upper
165 100
89 56.7 51.4 77.2
121 20.7 19.4 29.2

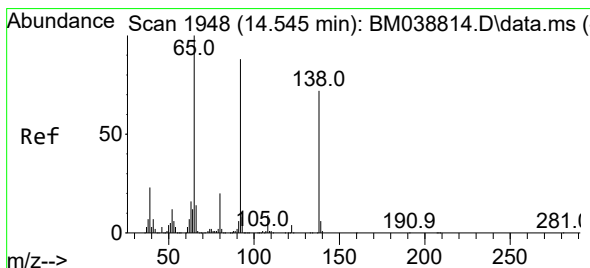
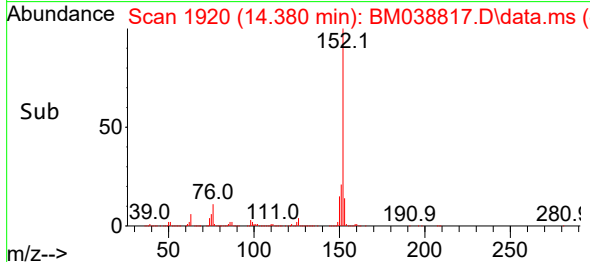
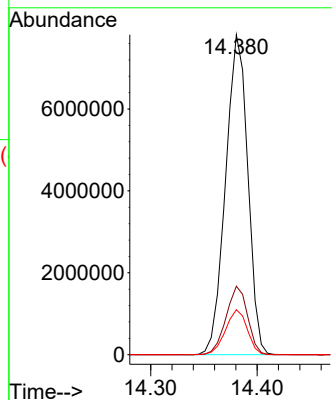
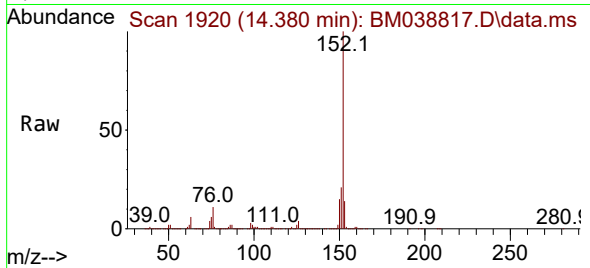




#50
Acenaphthylene
Concen: 162.430 ng/ul
RT: 14.380 min Scan# 1918
Delta R.T. 0.012 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

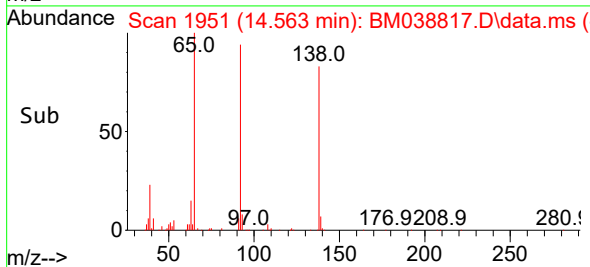
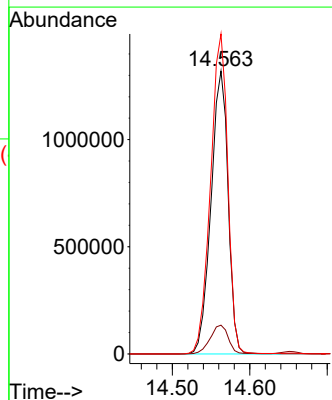
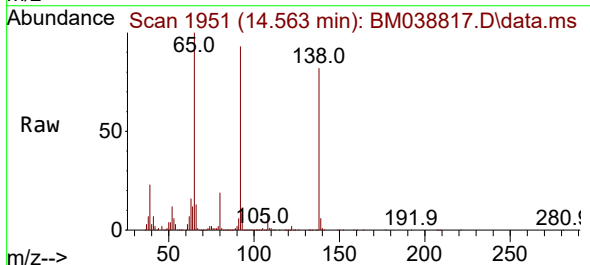
Instrument :
BNA_M
ClientSampleId :
SSTD160045

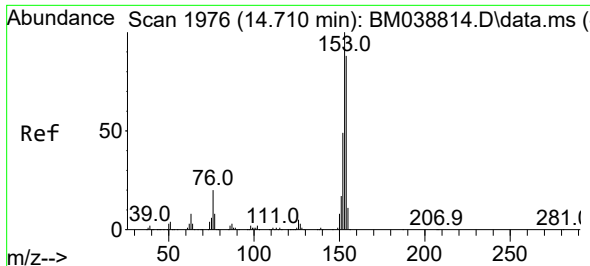
Tgt Ion:152 Resp:11307004
Ion Ratio Lower Upper
152 100
151 21.4 15.9 23.9
153 14.1 10.4 15.6



#51
3-Nitroaniline
Concen: 207.837 ng/ul
RT: 14.563 min Scan# 1951
Delta R.T. 0.017 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

Tgt Ion:138 Resp: 2031438
Ion Ratio Lower Upper
138 100
108 10.2 10.3 15.5#
92 113.1 97.7 146.5

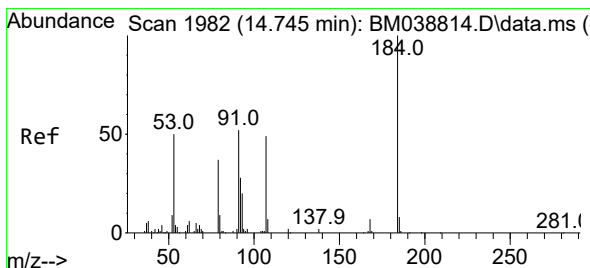
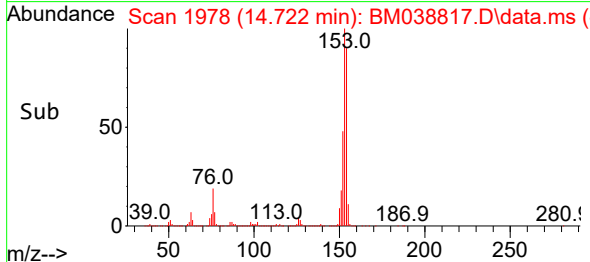
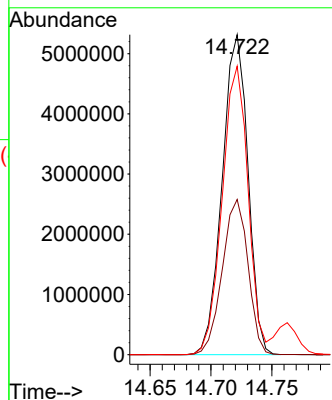
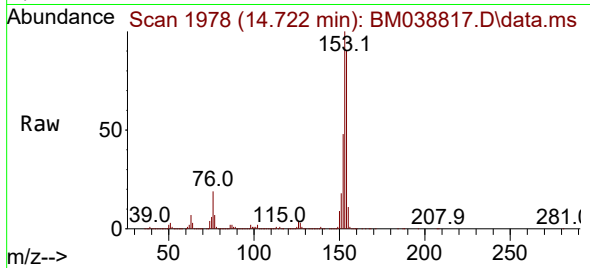




#52
 Acenaphthene
 Concen: 159.378 ng/ul
 RT: 14.722 min Scan# 1978
 Delta R.T. 0.011 min
 Lab File: BM038817.D
 Acq: 28 Feb 2023 18:39

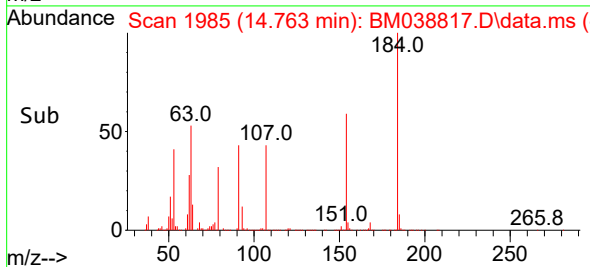
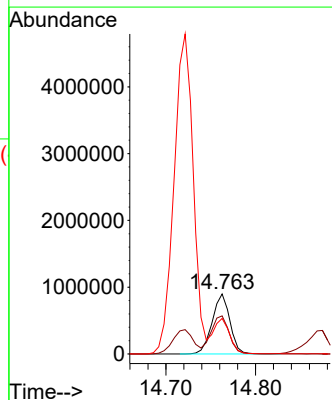
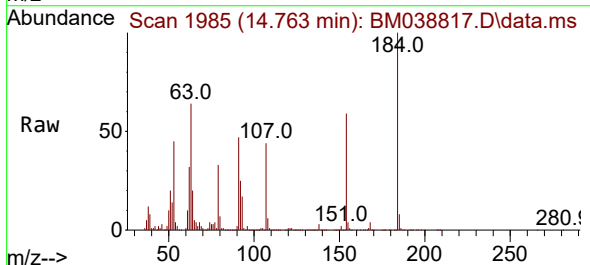
Instrument :
 BNA_M
 ClientSampleId :
 SSTD160045

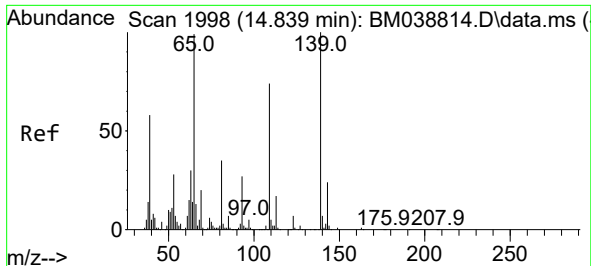
Tgt Ion:153 Resp: 7850903
 Ion Ratio Lower Upper
 153 100
 152 48.5 39.1 58.7
 154 90.2 70.4 105.6



#53
 2,4-Dinitrophenol
 Concen: 169.264 ng/ul
 RT: 14.763 min Scan# 1985
 Delta R.T. 0.017 min
 Lab File: BM038817.D
 Acq: 28 Feb 2023 18:39

Tgt Ion:184 Resp: 1232710
 Ion Ratio Lower Upper
 184 100
 63 63.6 61.9 92.9
 154 59.1 50.7 76.1

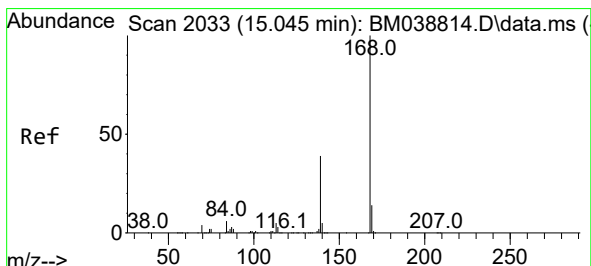
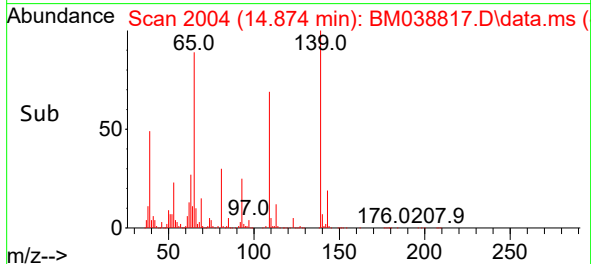
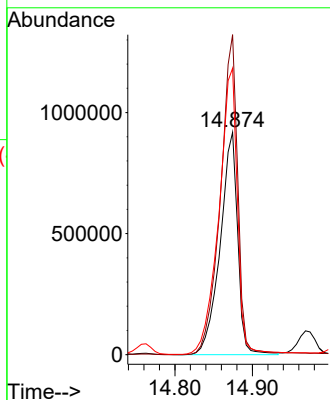
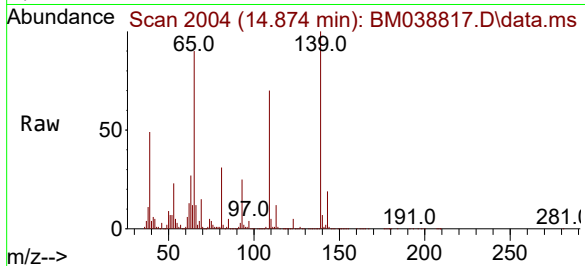




#55
4-Nitrophenol
Concen: 168.436 ng/ul
RT: 14.874 min Scan# 2004
Delta R.T. 0.035 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

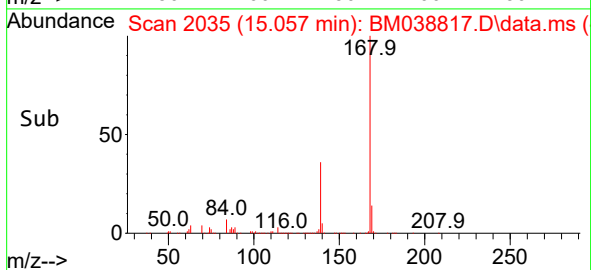
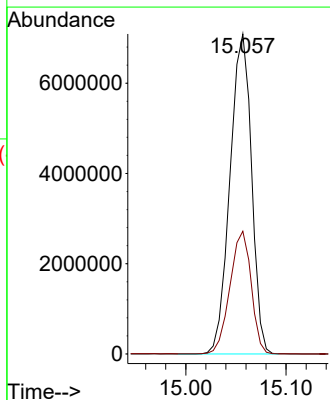
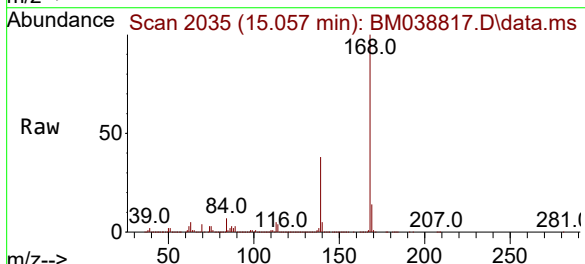
Instrument :
BNA_M
ClientSampleId :
SSTD160045

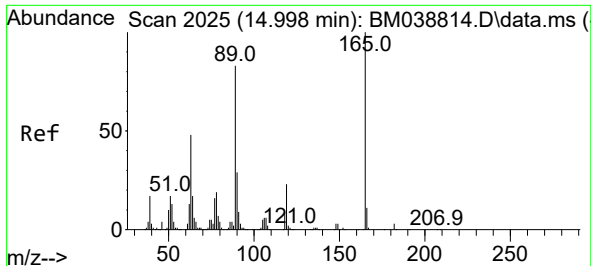
Tgt Ion:109 Resp: 1437959
Ion Ratio Lower Upper
109 100
139 143.9 108.8 163.2
65 128.8 107.8 161.6



#56
Dibenzofuran
Concen: 150.490 ng/ul
RT: 15.057 min Scan# 2035
Delta R.T. 0.012 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

Tgt Ion:168 Resp:10572831
Ion Ratio Lower Upper
168 100
139 38.4 30.9 46.3

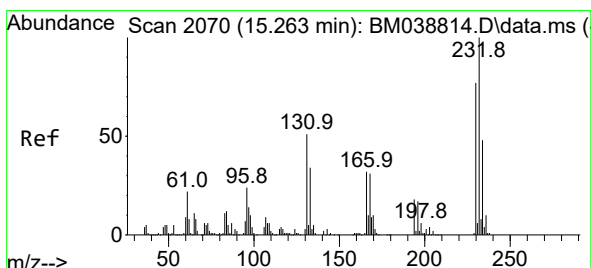
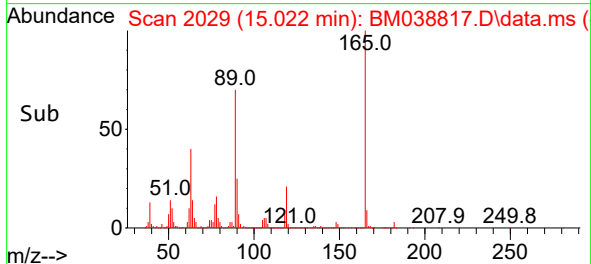
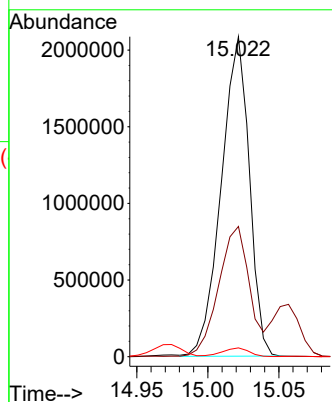
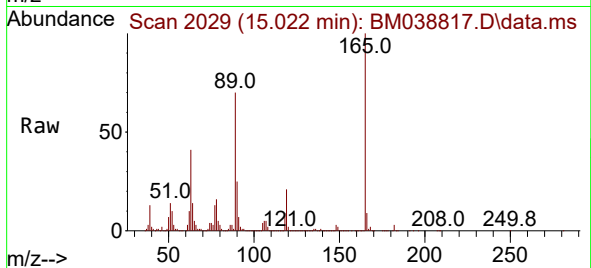




#57
2,4-Dinitrotoluene
Concen: 167.571 ng/ul
RT: 15.022 min Scan# 2029
Delta R.T. 0.023 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

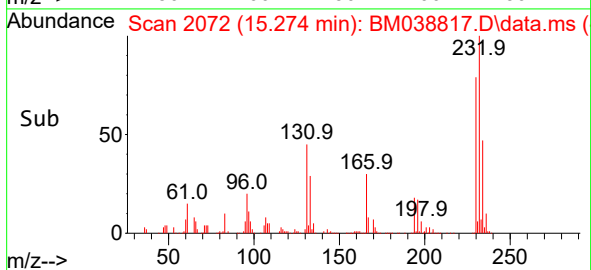
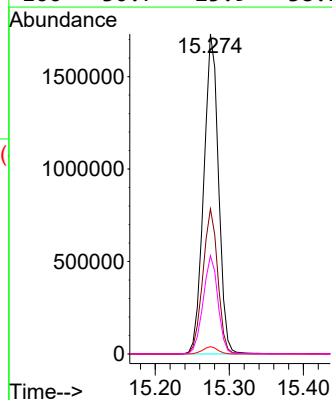
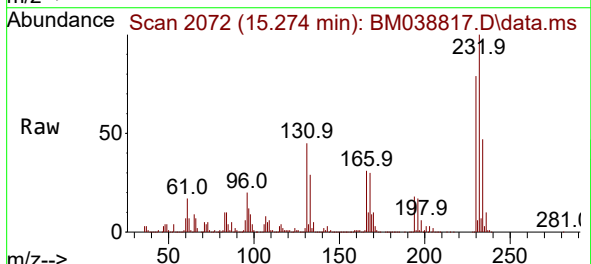
Instrument :
BNA_M
ClientSampleId :
SSTD160045

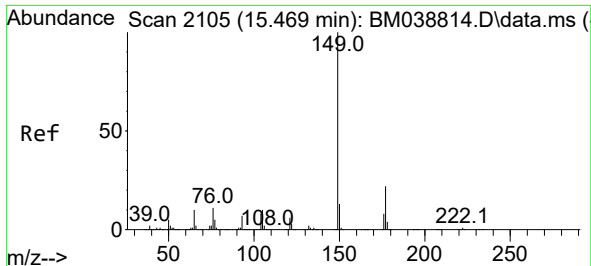
Tgt Ion:165 Resp: 2865550
Ion Ratio Lower Upper
165 100
63 40.7 38.9 58.3
182 2.7 2.2 3.2



#58
2,3,4,6-Tetrachlorophenol
Concen: 202.451 ng/ul
RT: 15.274 min Scan# 2072
Delta R.T. 0.012 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

Tgt Ion:232 Resp: 2397722
Ion Ratio Lower Upper
232 100
131 45.4 40.6 60.8
130 2.3 2.0 3.0
166 30.7 25.9 38.9

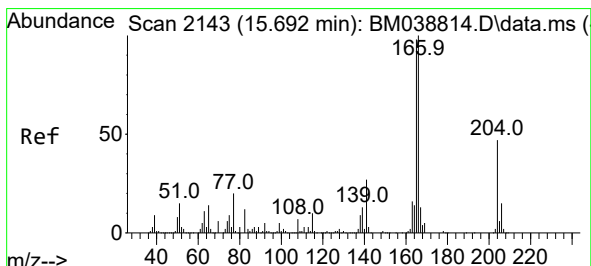
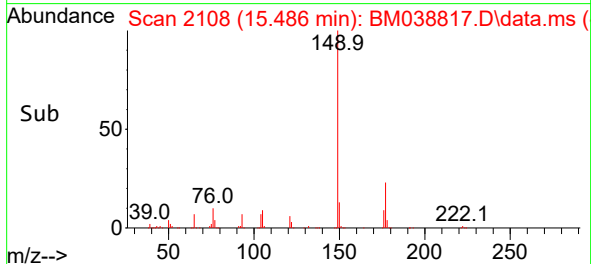
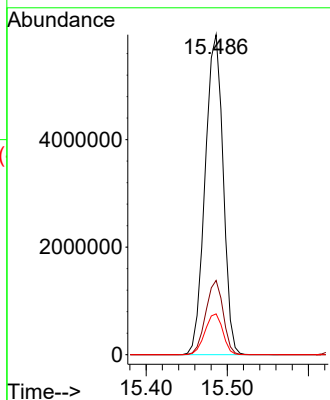
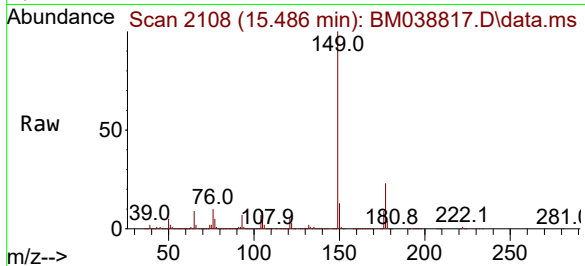




#59
Diethylphthalate
Concen: 153.434 ng/ul
RT: 15.486 min Scan# 2108
Delta R.T. 0.017 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

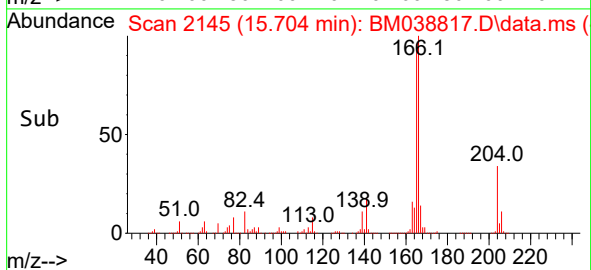
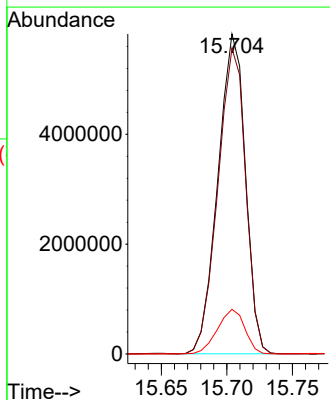
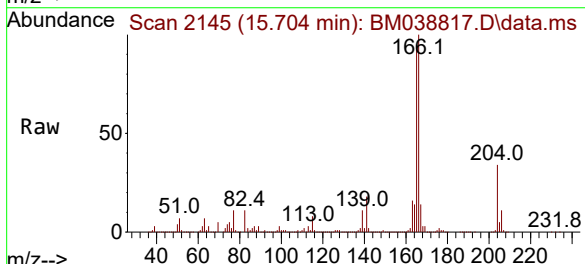
Instrument :
BNA_M
ClientSampleId :
SSTD160045

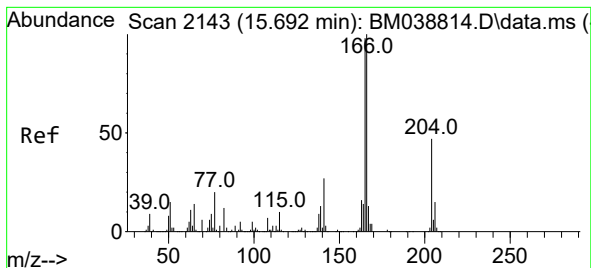
Tgt Ion:149 Resp: 9141923
Ion Ratio Lower Upper
149 100
177 23.2 17.2 25.8
150 12.7 10.1 15.1



#61
Fluorene
Concen: 144.818 ng/ul
RT: 15.704 min Scan# 2145
Delta R.T. 0.012 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

Tgt Ion:166 Resp: 8489517
Ion Ratio Lower Upper
166 100
165 95.5 78.2 117.4
167 14.0 10.5 15.7

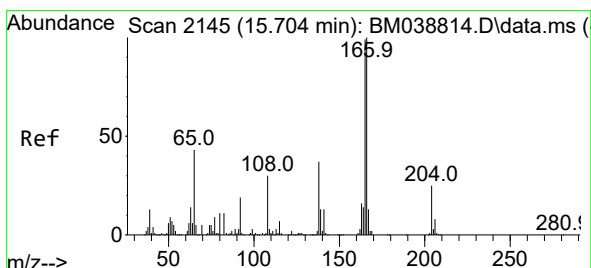
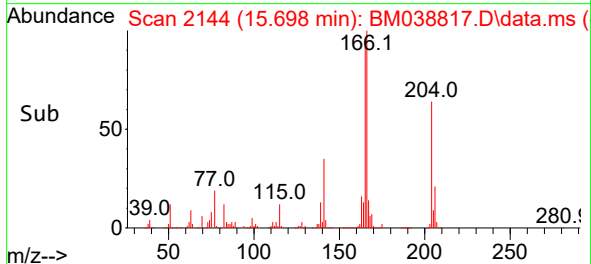
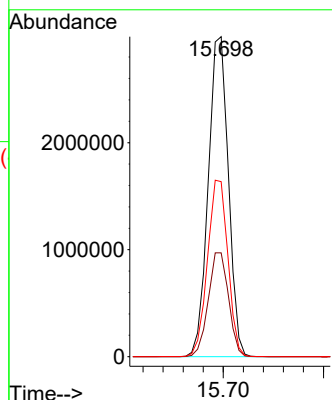
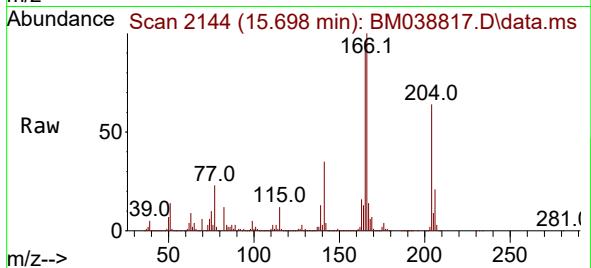




#62
4-Chlorophenyl-phenylether
Concen: 164.804 ng/ul
RT: 15.698 min Scan# 2143
Delta R.T. 0.006 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

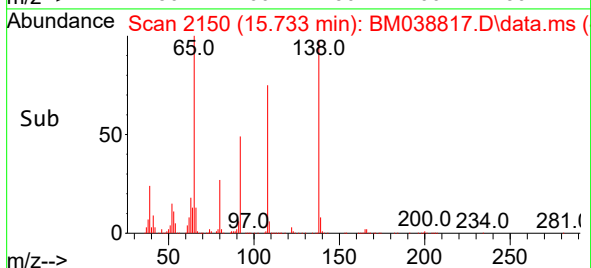
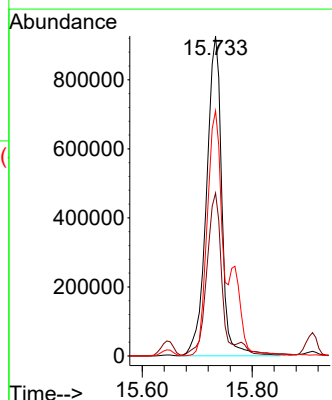
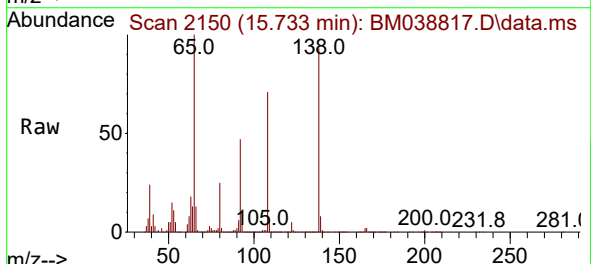
Instrument :
BNA_M
ClientSampleId :
SSTD160045

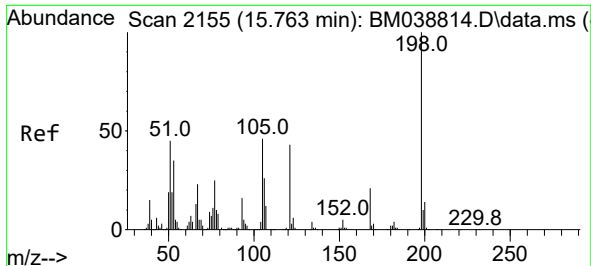
Tgt Ion:204 Resp: 4177453
Ion Ratio Lower Upper
204 100
206 32.5 26.3 39.5
141 54.7 45.5 68.3



#63
4-Nitroaniline
Concen: 238.201 ng/ul
RT: 15.733 min Scan# 2150
Delta R.T. 0.029 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

Tgt Ion:138 Resp: 1796304
Ion Ratio Lower Upper
138 100
92 50.9 41.8 62.8
108 76.6 65.0 97.6

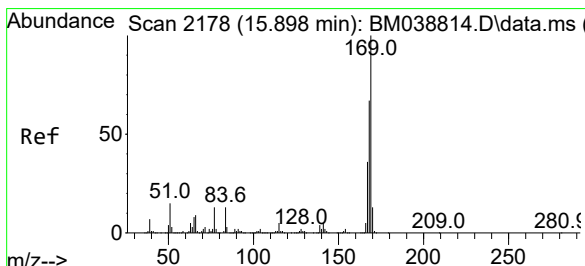
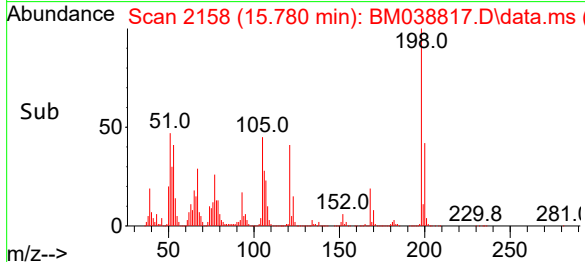
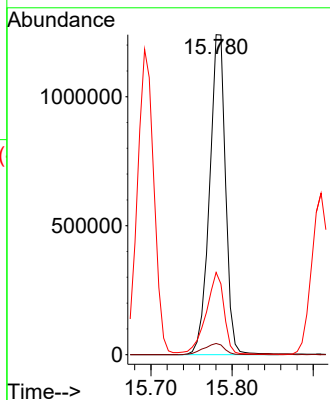
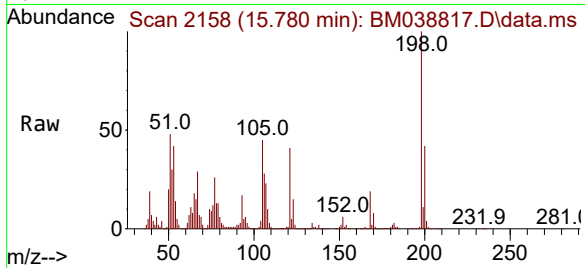




#66
4,6-Dinitro-2-methylphenol
Concen: 178.328 ng/ul
RT: 15.780 min Scan# 2155
Delta R.T. 0.017 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

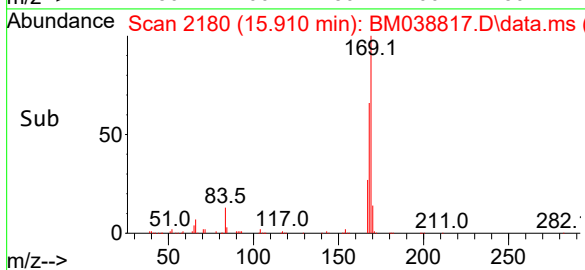
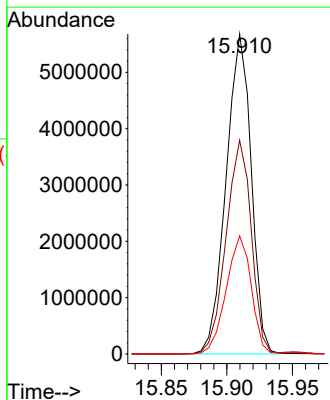
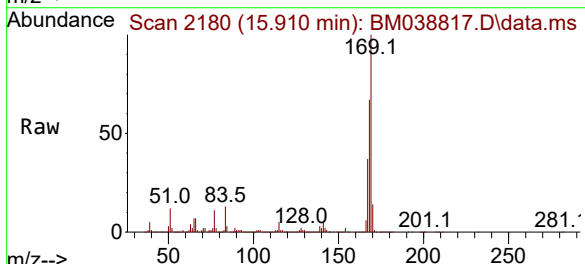
Instrument :
BNA_M
ClientSampleId :
SSTD160045

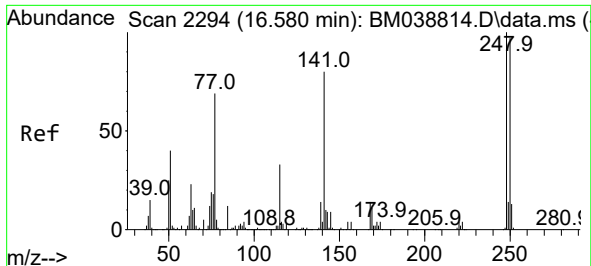
Tgt Ion:198 Resp: 1698843
Ion Ratio Lower Upper
198 100
182 3.5 3.5 5.3#
77 25.7 21.0 31.6



#67
N-Nitrosodiphenylamine
Concen: 159.175 ng/ul
RT: 15.910 min Scan# 2180
Delta R.T. 0.012 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

Tgt Ion:169 Resp: 7586220
Ion Ratio Lower Upper
169 100
168 66.7 53.5 80.3
167 36.9 29.1 43.7

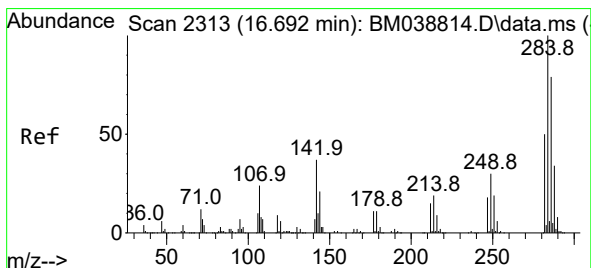
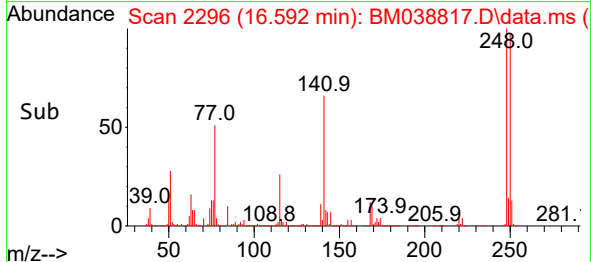
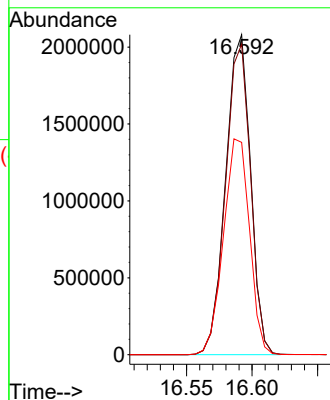
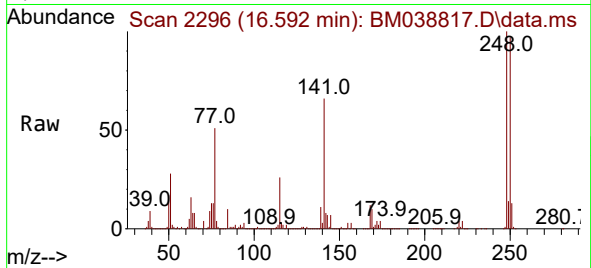




#68
4-Bromophenyl-phenylether
Concen: 182.723 ng/ul
RT: 16.592 min Scan# 21
Delta R.T. 0.012 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

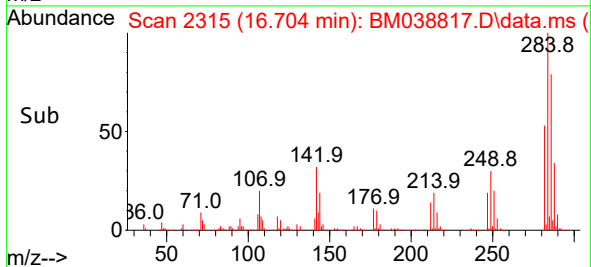
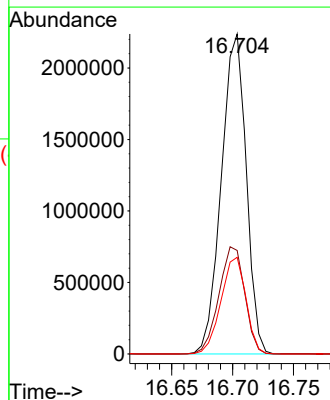
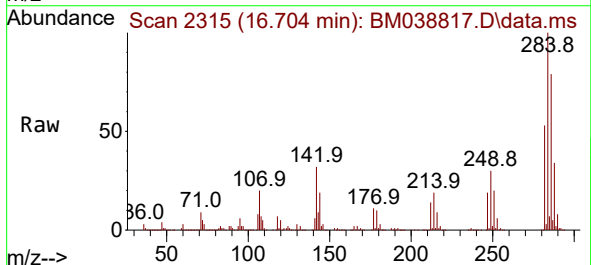
Instrument :
BNA_M
ClientSampleId :
SSTD160045

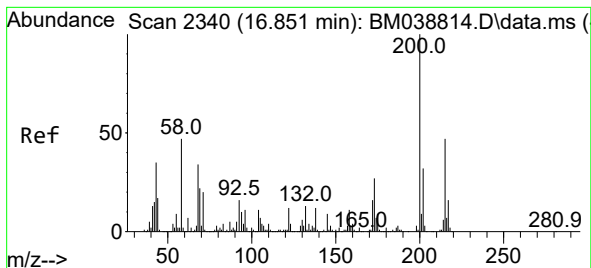
Tgt Ion:248 Resp: 2755728
Ion Ratio Lower Upper
248 100
250 97.0 77.6 116.4
141 66.3 63.7 95.5



#69
Hexachlorobenzene
Concen: 165.568 ng/ul
RT: 16.704 min Scan# 2315
Delta R.T. 0.012 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

Tgt Ion:284 Resp: 3182108
Ion Ratio Lower Upper
284 100
142 32.3 29.4 44.2
249 30.2 24.0 36.0





#70

Atrazine

Concen: 156.925 ng/ul

RT: 16.868 min Scan# 21

Delta R.T. 0.017 min

Lab File: BM038817.D

Acq: 28 Feb 2023 18:39

Instrument :

BNA_M

ClientSampleId :

SSTD160045

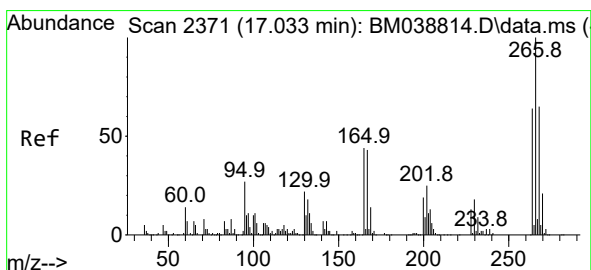
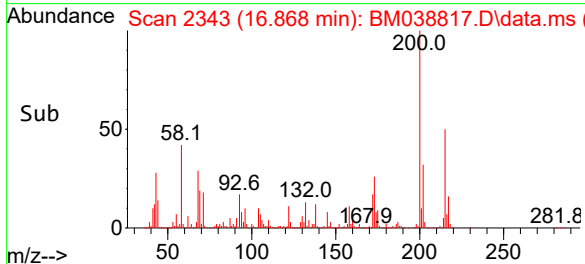
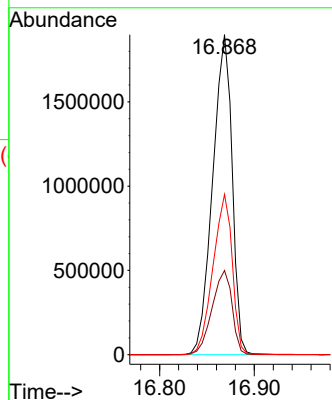
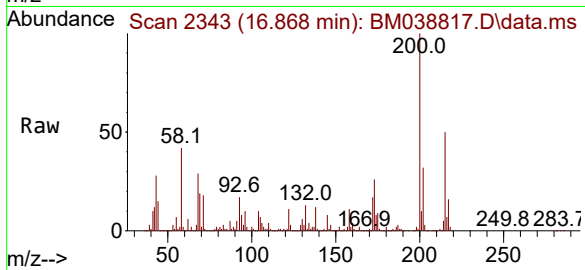
Tgt Ion:200 Resp: 2713392

Ion Ratio Lower Upper

200 100

173 26.3 21.3 31.9

215 50.1 38.0 57.0



#71

Pentachlorophenol

Concen: 178.999 ng/ul

RT: 17.039 min Scan# 2372

Delta R.T. 0.006 min

Lab File: BM038817.D

Acq: 28 Feb 2023 18:39

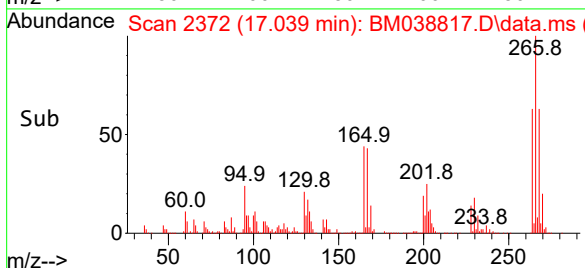
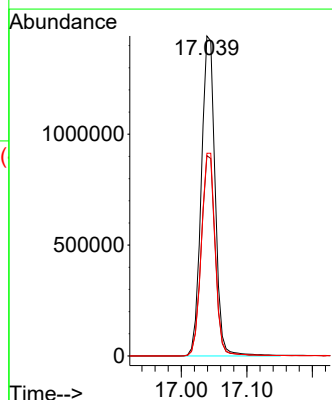
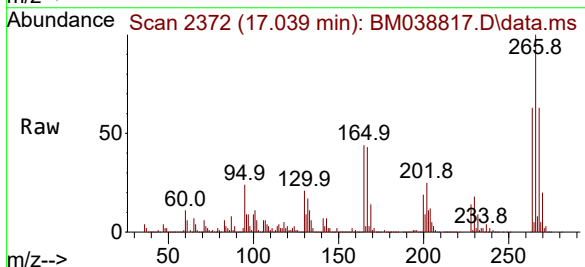
Tgt Ion:266 Resp: 2119259

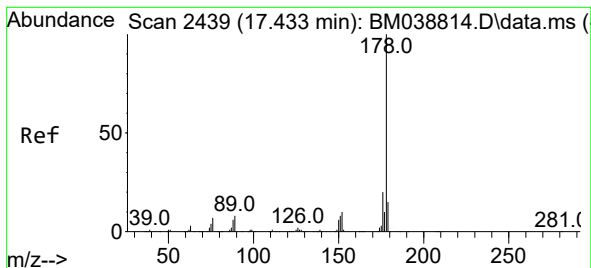
Ion Ratio Lower Upper

266 100

264 62.6 51.0 76.6

268 63.4 51.7 77.5





#72

Phenanthrene

Concen: 148.684 ng/ul

RT: 17.439 min Scan# 2439

Delta R.T. 0.006 min

Lab File: BM038817.D

Acq: 28 Feb 2023 18:39

Instrument :

BNA_M

ClientSampleId :

SSTD160045

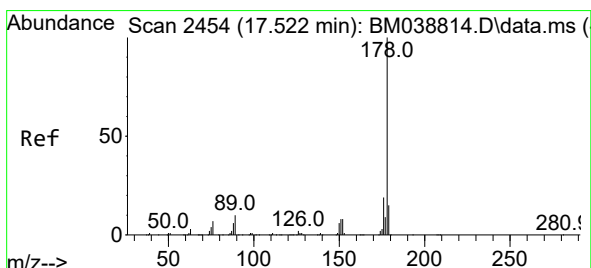
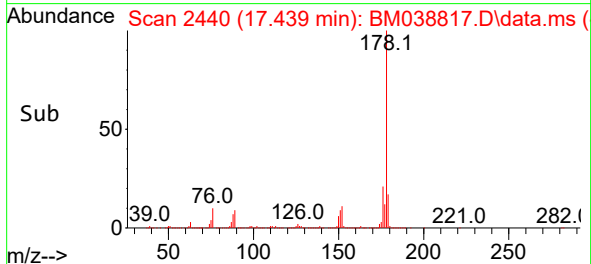
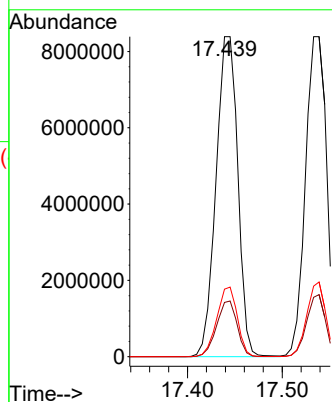
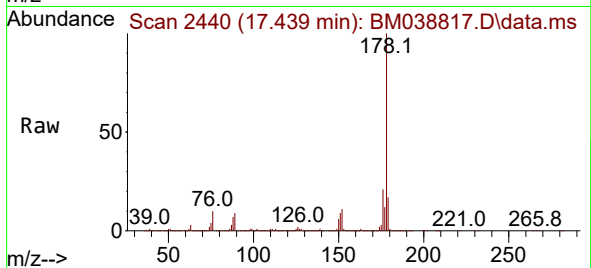
Tgt Ion:178 Resp:13417484

Ion Ratio Lower Upper

178 100

179 17.0 12.3 18.5

176 21.1 15.7 23.5



#74

Anthracene

Concen: 141.934 ng/ul

RT: 17.533 min Scan# 2456

Delta R.T. 0.012 min

Lab File: BM038817.D

Acq: 28 Feb 2023 18:39

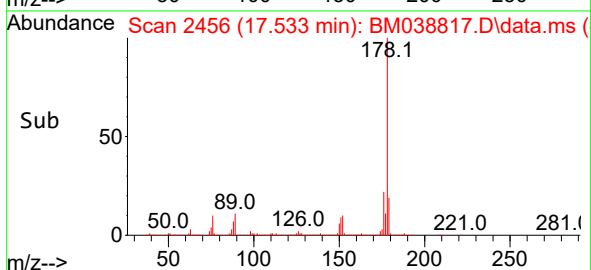
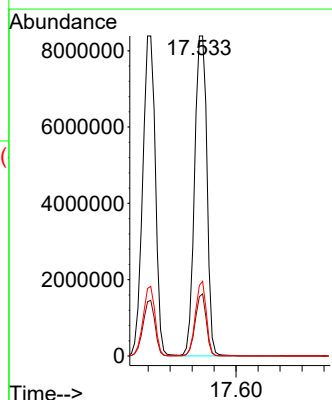
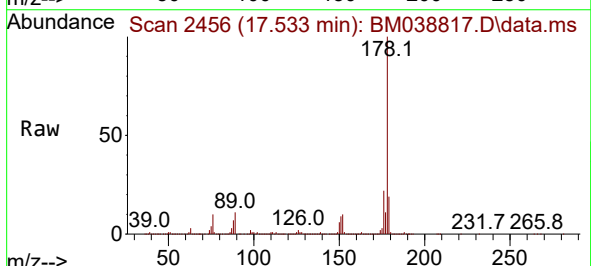
Tgt Ion:178 Resp:13031645

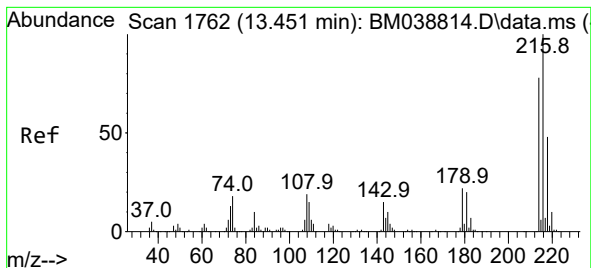
Ion Ratio Lower Upper

178 100

179 18.5 12.5 18.7

176 22.0 14.9 22.3

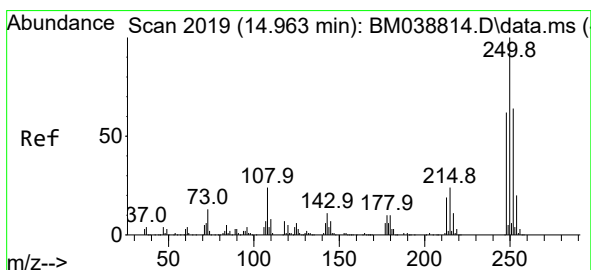
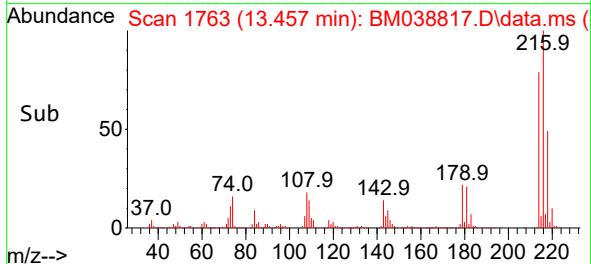
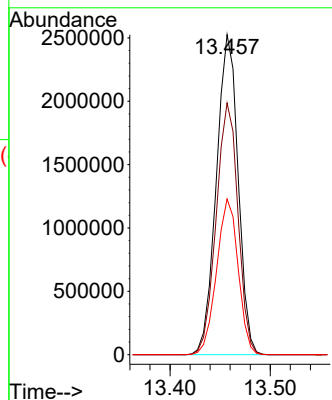
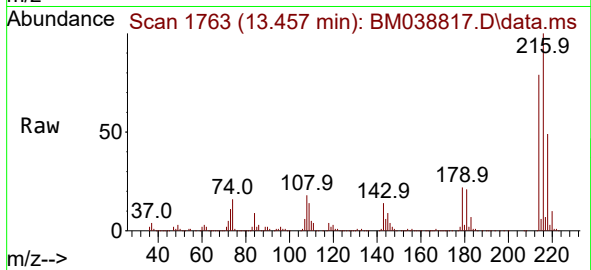




#75
1,2,3,4-Tetrachlorobenzene
Concen: 217.879 ng/uL
RT: 13.457 min Scan# 1
Delta R.T. 0.006 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

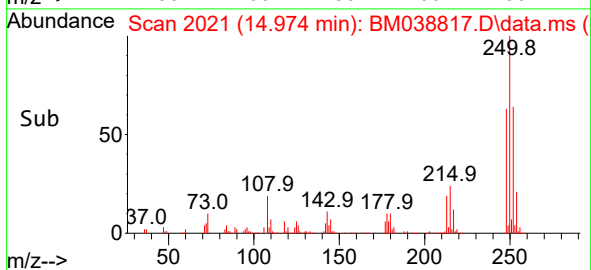
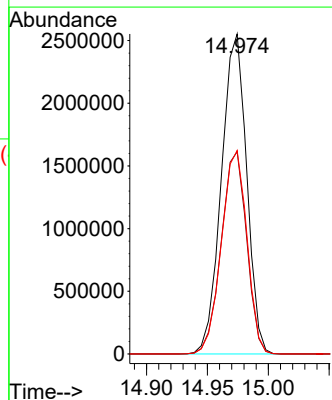
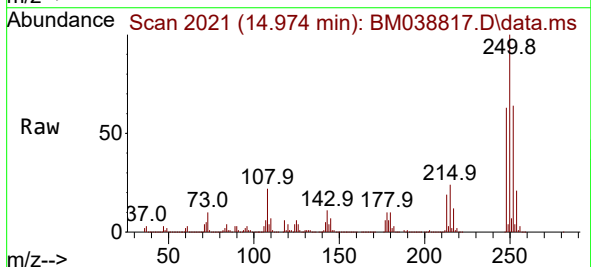
Instrument :
BNA_M
ClientSampleId :
SSTD160045

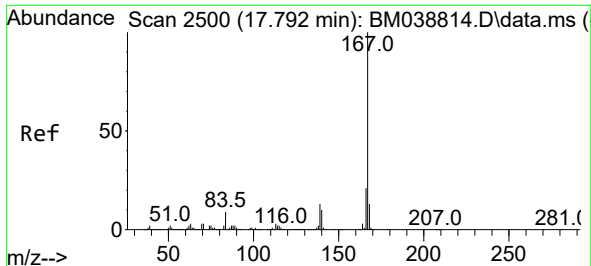
Tgt Ion:216 Resp: 3798223
Ion Ratio Lower Upper
216 100
214 78.6 62.4 93.6
218 48.7 38.8 58.2



#76
Pentachlorobenzene
Concen: 186.483 ng/uL
RT: 14.974 min Scan# 2021
Delta R.T. 0.012 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

Tgt Ion:250 Resp: 3686790
Ion Ratio Lower Upper
250 100
248 63.2 49.6 74.4
252 63.6 51.2 76.8

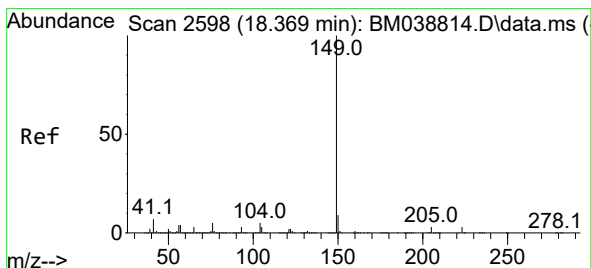
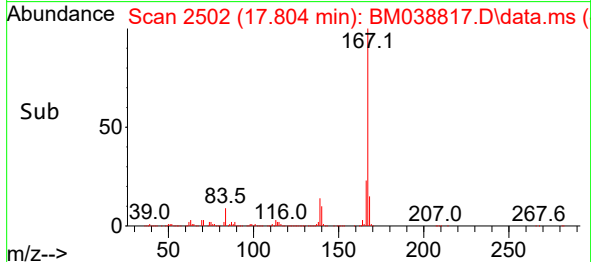
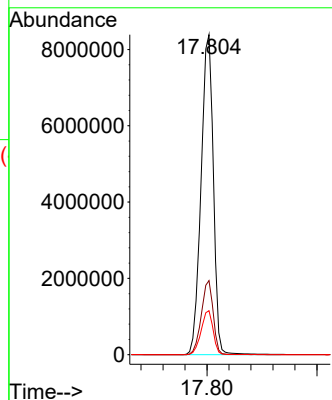
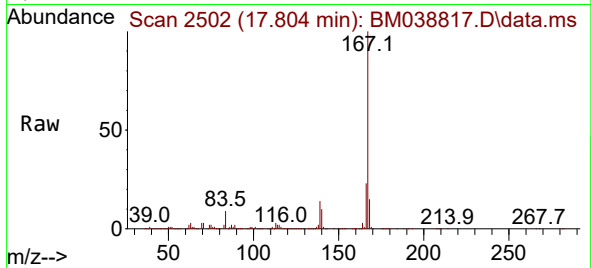




#77
Carbazole
Concen: 153.761 ng/ul
RT: 17.804 min Scan# 2502
Delta R.T. 0.012 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

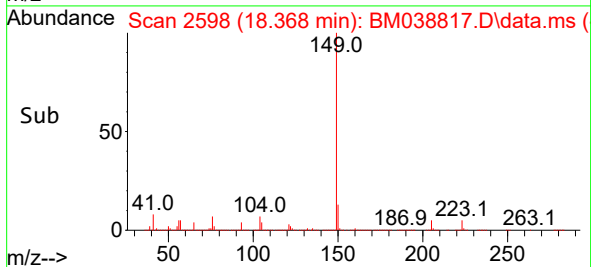
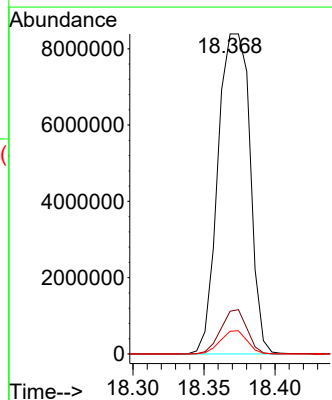
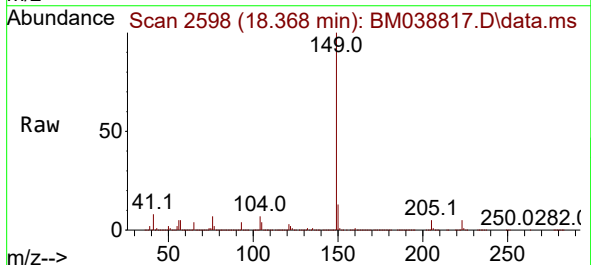
Instrument :
BNA_M
ClientSampleId :
SSTD160045

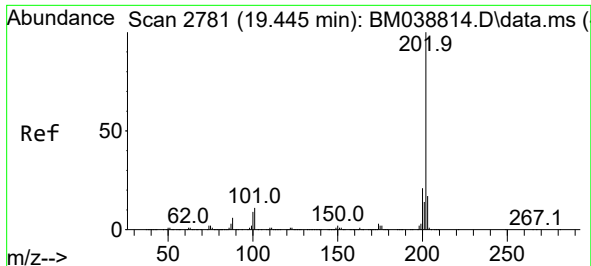
Tgt Ion:167 Resp:13050772
Ion Ratio Lower Upper
167 100
166 23.1 17.2 25.8
139 13.7 10.6 16.0



#78
Di-n-butylphthalate
Concen: 119.110 ng/ul
RT: 18.368 min Scan# 2598
Delta R.T. -0.000 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

Tgt Ion:149 Resp:13119560
Ion Ratio Lower Upper
149 100
150 13.4 7.3 10.9#
104 7.1 4.2 6.4#

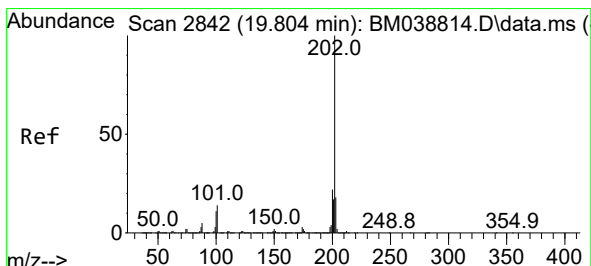
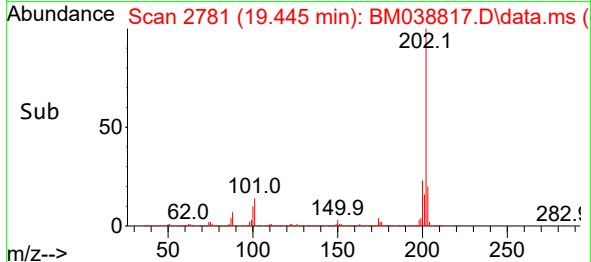
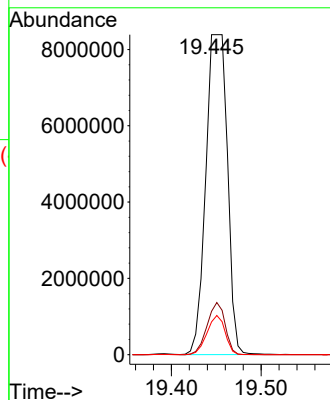
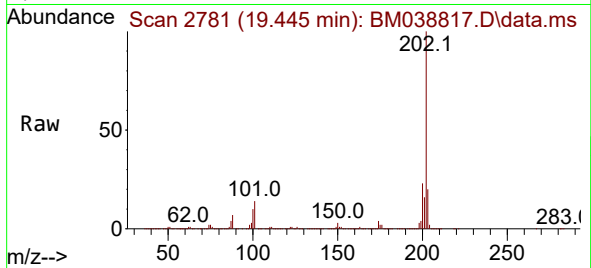




#80
Fluoranthene
Concen: 117.332 ng/u1
RT: 19.445 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

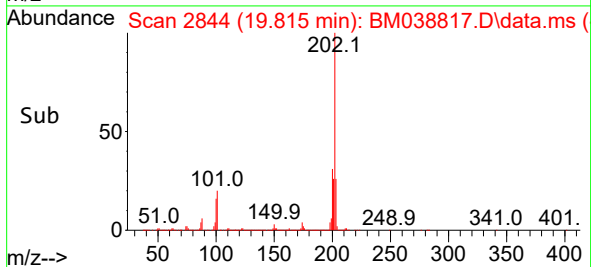
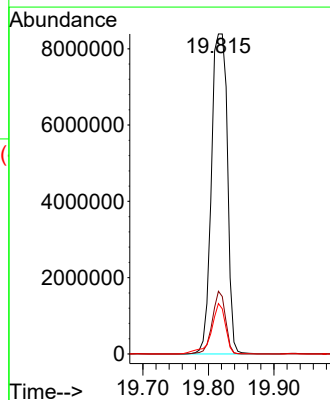
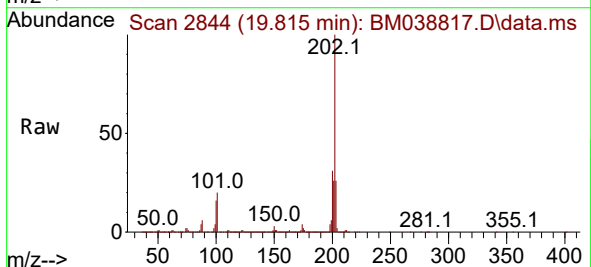
Instrument :
BNA_M
ClientSampleId :
SSTD160045

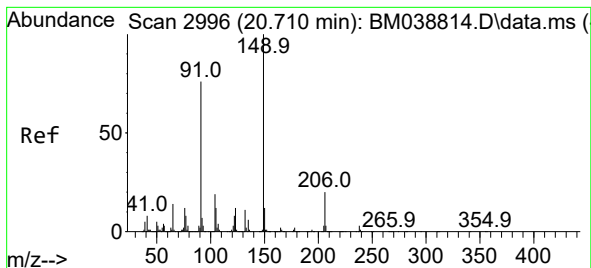
Tgt Ion:202 Resp:14053736
Ion Ratio Lower Upper
202 100
101 13.6 9.0 13.4#
100 10.3 6.9 10.3



#82
Pyrene
Concen: 112.660 ng/u1
RT: 19.815 min Scan# 2844
Delta R.T. 0.012 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

Tgt Ion:202 Resp:14126047
Ion Ratio Lower Upper
202 100
101 19.6 11.2 16.8#
100 15.7 9.1 13.7#





#83

Butylbenzylphthalate

Concen: 114.079 ng/ul

RT: 20.715 min Scan# 2997

Delta R.T. 0.006 min

Lab File: BM038817.D

Acq: 28 Feb 2023 18:39

Instrument :

BNA_M

ClientSampleId :

SSTD160045

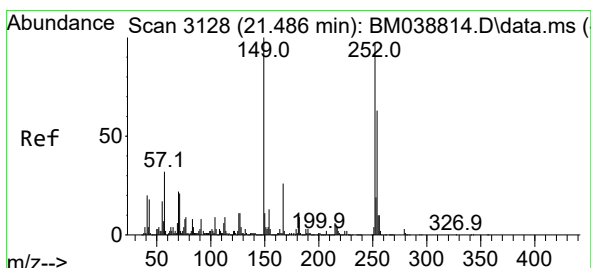
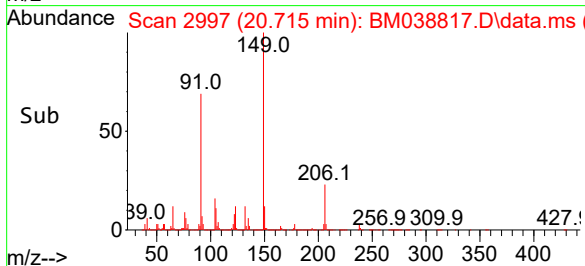
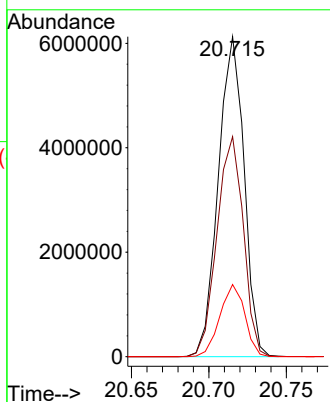
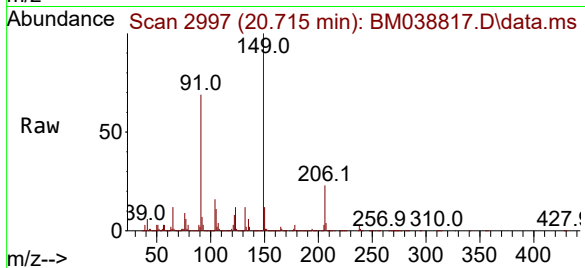
Tgt Ion:149 Resp: 7095314

Ion Ratio Lower Upper

149 100

91 68.8 60.5 90.7

206 22.6 15.8 23.8



#84

3,3'-Dichlorobenzidine

Concen: 122.443 ng/ul

RT: 21.492 min Scan# 3129

Delta R.T. 0.006 min

Lab File: BM038817.D

Acq: 28 Feb 2023 18:39

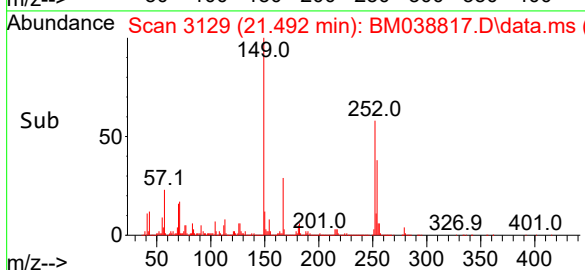
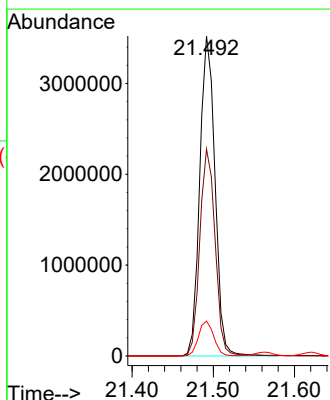
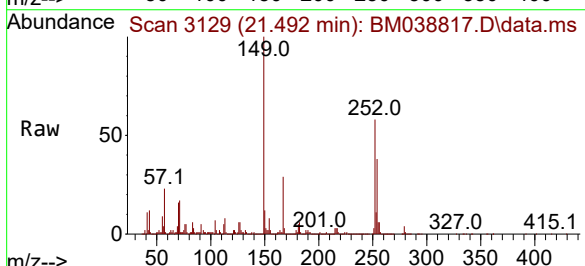
Tgt Ion:252 Resp: 4582636

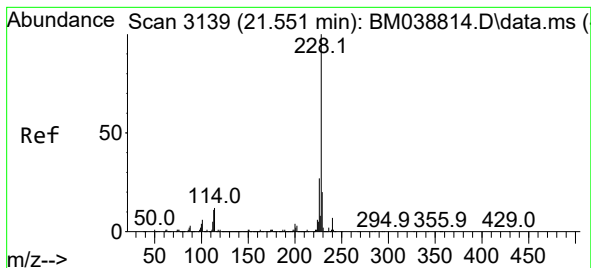
Ion Ratio Lower Upper

252 100

254 64.7 51.8 77.6

126 10.9 9.0 13.4





#85

Benzo(a)anthracene

Concen: 138.621 ng/ul

RT: 21.562 min Scan# 31

Delta R.T. 0.011 min

Lab File: BM038817.D

Acq: 28 Feb 2023 18:39

Instrument :

BNA_M

ClientSampleId :

SSTD160045

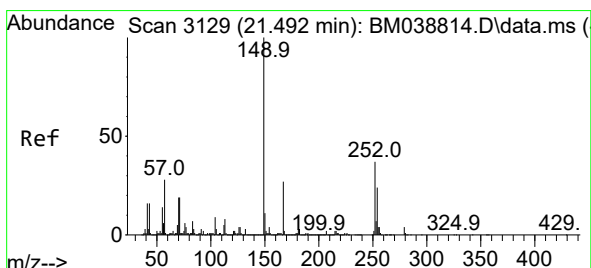
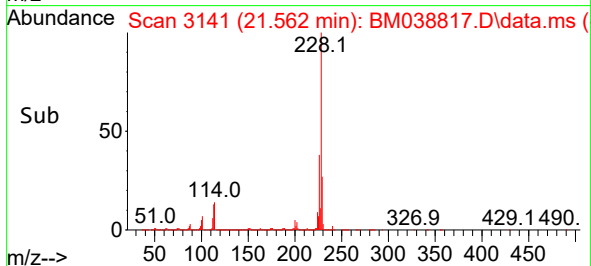
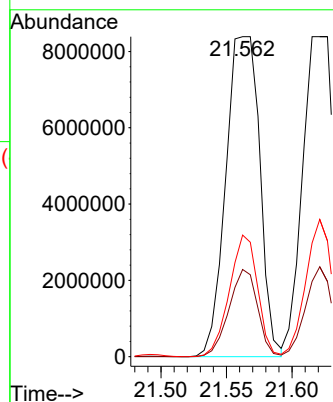
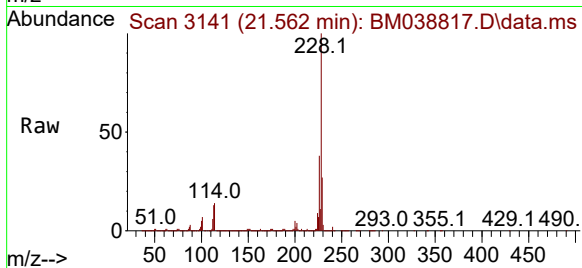
Tgt Ion:228 Resp:15106097

Ion Ratio Lower Upper

228 100

229 27.3 15.8 23.6#

226 38.0 21.4 32.2#



#86

Bis(2-ethylhexyl)phthalate

Concen: 99.086 ng/ul

RT: 21.498 min Scan# 3130

Delta R.T. 0.006 min

Lab File: BM038817.D

Acq: 28 Feb 2023 18:39

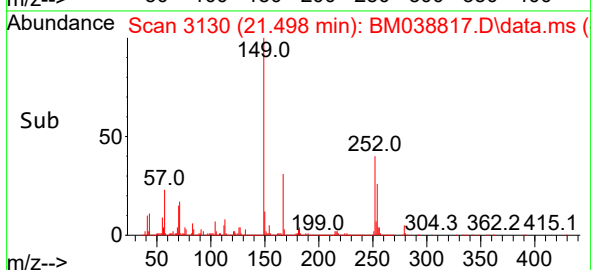
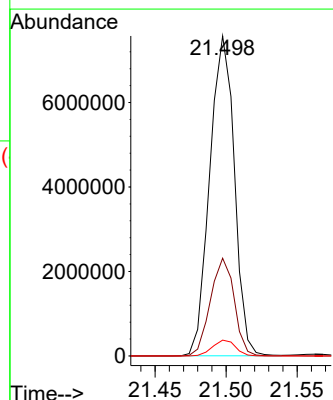
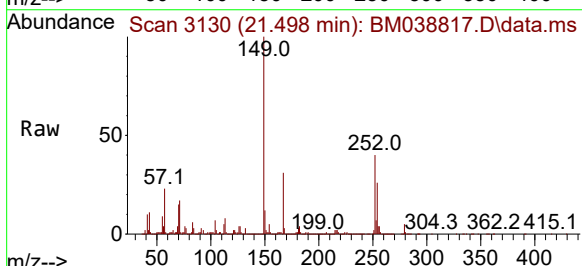
Tgt Ion:149 Resp: 9146499

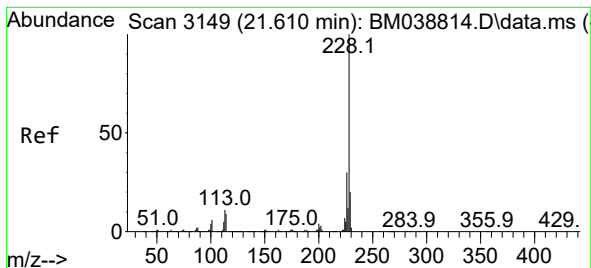
Ion Ratio Lower Upper

149 100

167 30.6 21.4 32.2

279 5.0 3.1 4.7#





#87

Chrysene

Concen: 138.895 ng/ul

RT: 21.615 min Scan# 3149

Delta R.T. 0.006 min

Lab File: BM038817.D

Acq: 28 Feb 2023 18:39

Instrument :

BNA_M

ClientSampleId :

SSTD160045

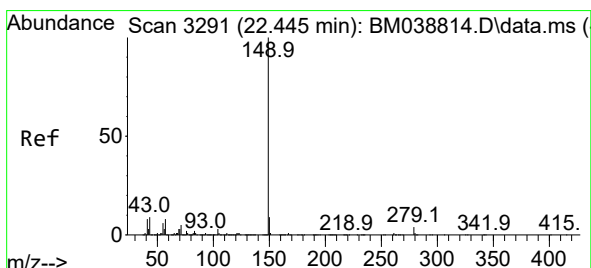
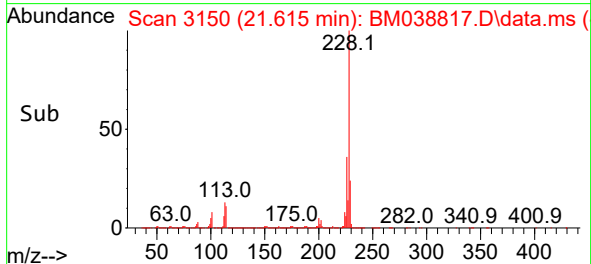
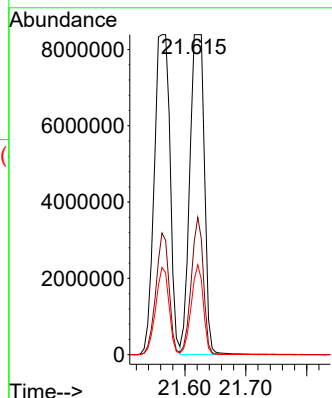
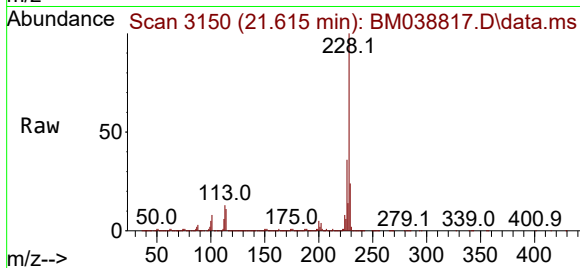
Tgt Ion:228 Resp:13983485

Ion Ratio Lower Upper

228 100

226 35.5 23.6 35.4#

229 23.5 15.8 23.6



#89

Di-n-octyl phthalate

Concen: 79.473 ng/ul

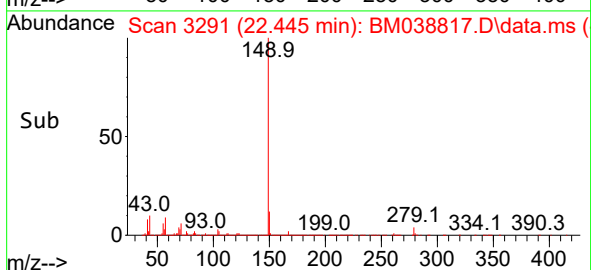
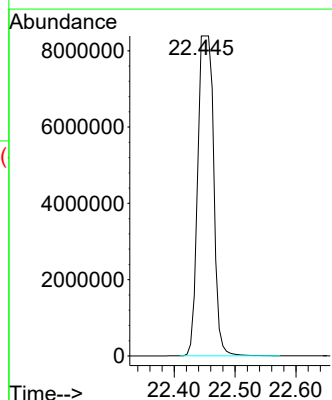
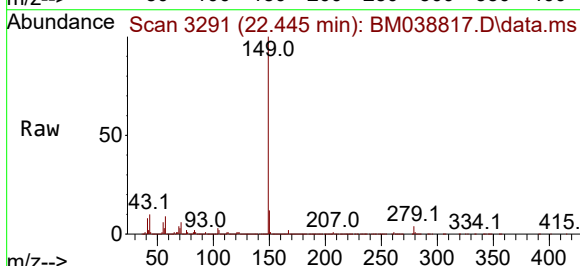
RT: 22.445 min Scan# 3291

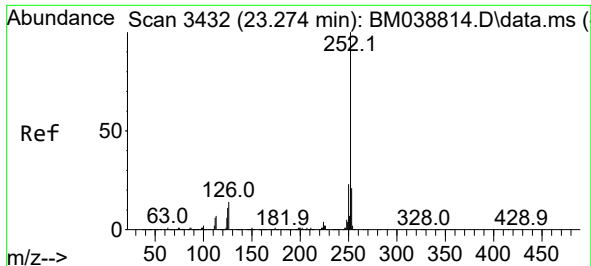
Delta R.T. -0.000 min

Lab File: BM038817.D

Acq: 28 Feb 2023 18:39

Tgt Ion:149 Resp:15132120

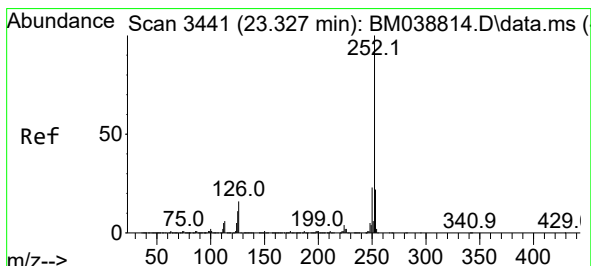
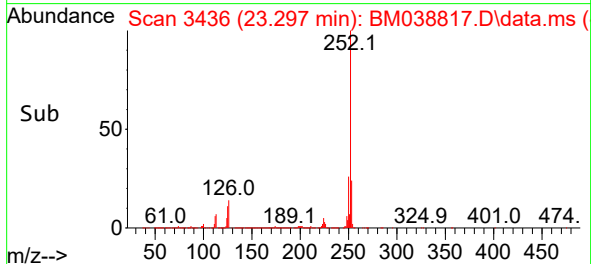
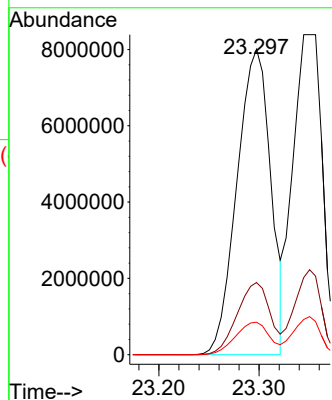
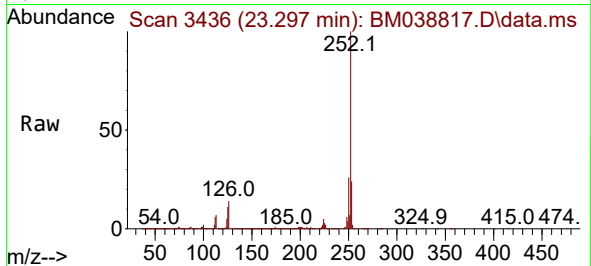




#90
Benzo(b)fluoranthene
Concen: 154.468 ng/ul
RT: 23.297 min Scan# 3436
Delta R.T. 0.023 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

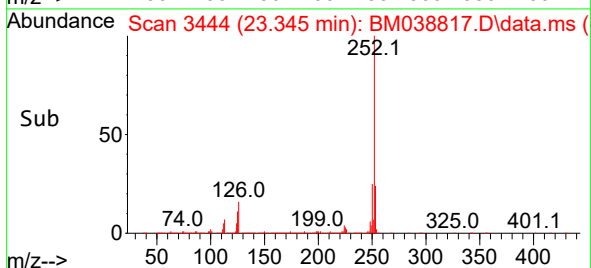
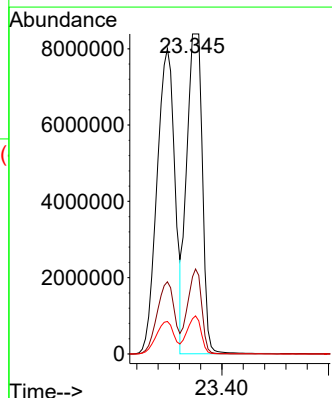
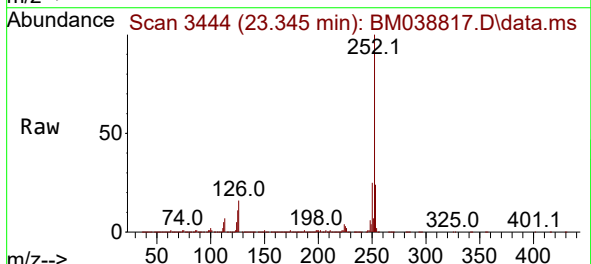
Instrument :
BNA_M
ClientSampleId :
SSTD160045

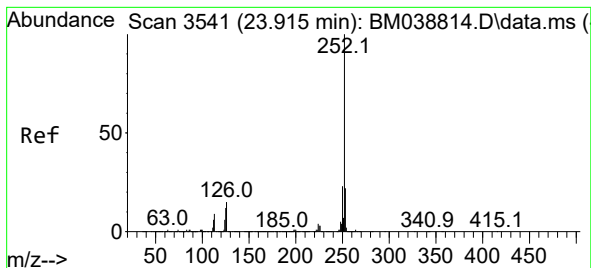
Tgt Ion:252 Resp:18718816
Ion Ratio Lower Upper
252 100
253 23.7 17.2 25.8
125 10.6 8.6 13.0



#91
Benzo(k)fluoranthene
Concen: 143.342 ng/ul
RT: 23.345 min Scan# 3444
Delta R.T. 0.017 min
Lab File: BM038817.D
Acq: 28 Feb 2023 18:39

Tgt Ion:252 Resp:17170608
Ion Ratio Lower Upper
252 100
253 24.1 17.7 26.5
125 11.0 8.4 12.6





#93

Benzo(a)pyrene

Concen: 165.339 ng/ul

RT: 23.950 min Scan# 3

Delta R.T. 0.035 min

Lab File: BM038817.D

Acq: 28 Feb 2023 18:39

Instrument :

BNA_M

ClientSampleId :

SSTD160045

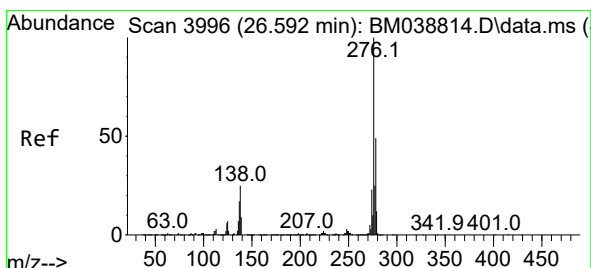
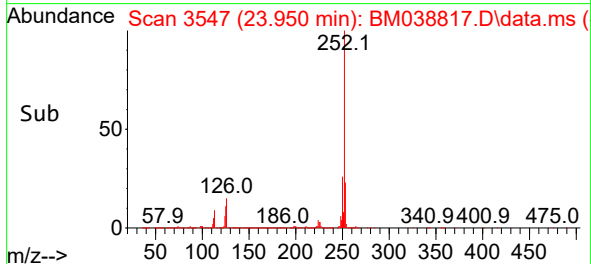
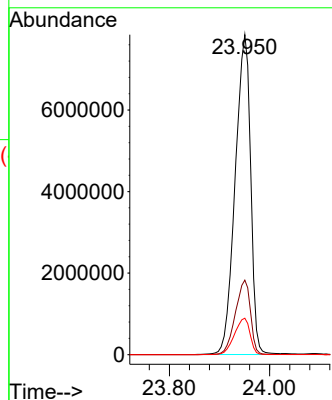
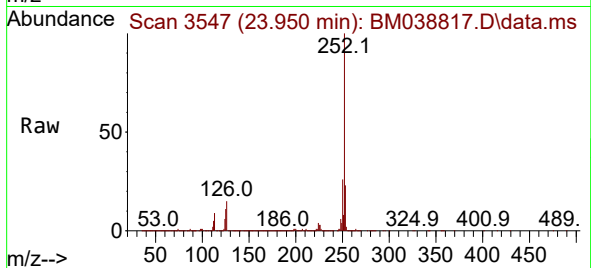
Tgt Ion:252 Resp:16768302

Ion Ratio Lower Upper

252 100

253 23.3 17.8 26.8

125 11.4 9.4 14.2



#94

Indeno(1,2,3-cd)pyrene

Concen: 171.096 ng/ul

RT: 26.638 min Scan# 4004

Delta R.T. 0.047 min

Lab File: BM038817.D

Acq: 28 Feb 2023 18:39

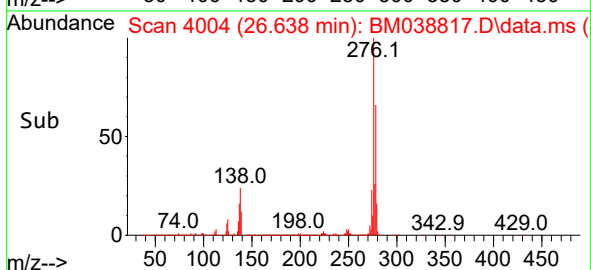
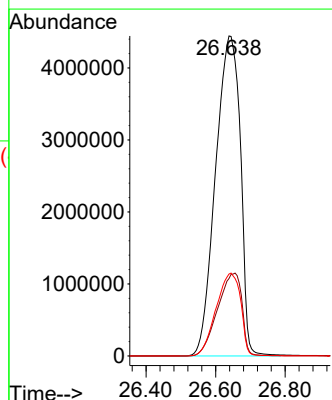
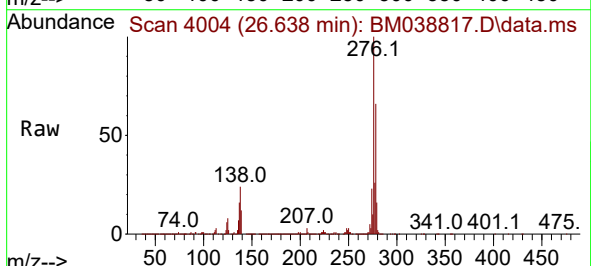
Tgt Ion:276 Resp:22005531

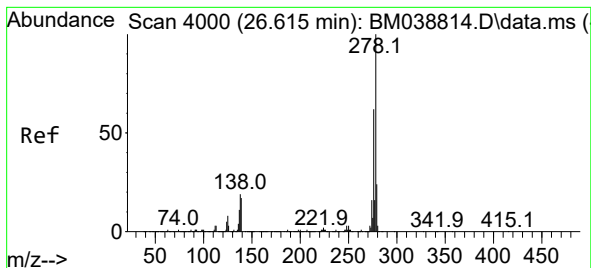
Ion Ratio Lower Upper

276 100

138 24.2 20.2 30.4

277 25.6 19.8 29.8





#95

Dibenzo(a,h)anthracene

Concen: 166.106 ng/ul

RT: 26.668 min Scan# 40

Delta R.T. 0.053 min

Lab File: BM038817.D

Acq: 28 Feb 2023 18:39

Instrument :

BNA_M

ClientSampleId :

SSTD160045

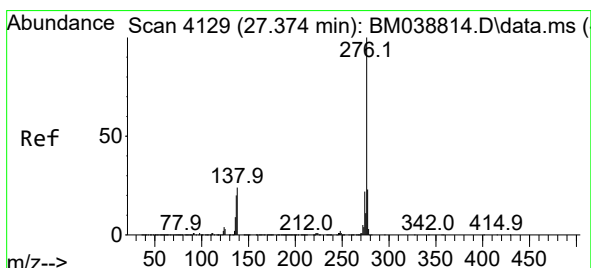
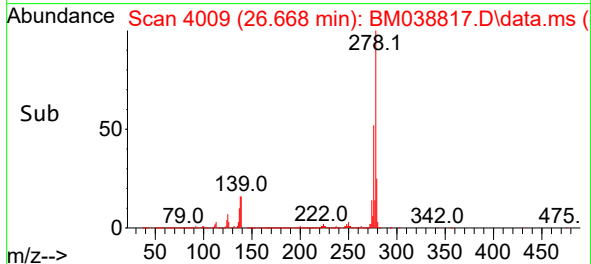
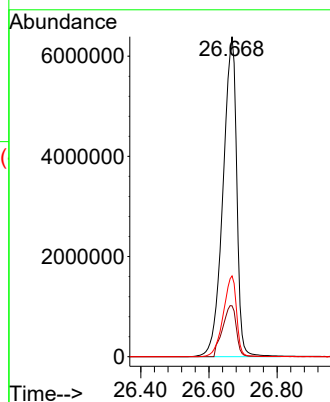
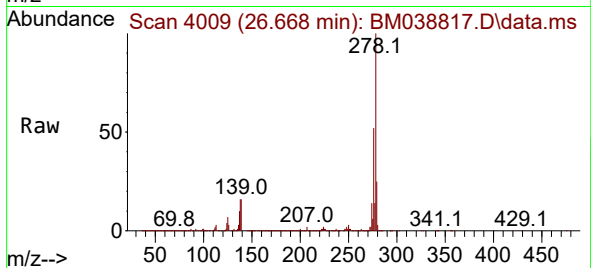
Tgt Ion:278 Resp:17873384

Ion Ratio Lower Upper

278 100

139 15.9 13.4 20.2

279 25.3 19.1 28.7



#96

Benzo(g,h,i)perylene

Concen: 177.969 ng/ul

RT: 27.438 min Scan# 4140

Delta R.T. 0.064 min

Lab File: BM038817.D

Acq: 28 Feb 2023 18:39

Tgt Ion:276 Resp:18010908

Ion Ratio Lower Upper

276 100

138 22.6 19.4 29.0

277 24.5 18.7 28.1

