

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM013123\
 Data File : BM038628.D
 Acq On : 31 Jan 2023 20:25
 Operator : CG/JU
 Sample : PB150469BS
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :

Quant Time: Feb 01 00:06:33 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM013023.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Jan 31 01:02:54 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.951	152	30077	20.000	ng/ul	0.00
20) Naphthalene-d8	10.763	136	106646	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.586	164	82942	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.327	188	186717	20.000	ng/ul	0.00
79) Chrysene-d12	21.503	240	192811	20.000	ng/ul	0.00
88) Perylene-d12	23.909	264	259821	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.328	96	4630	5.489	ng/uL	0.00
4) Pyridine-d5	3.757	84	59377	28.110	ng/ul	0.00
7) Phenol-d5	7.116	99	65129	32.440	ng/ul	0.00
9) Bis-(2-Chloroethyl)eth...	7.287	67	39467	33.679	ng/ul	0.00
11) 2-Chlorophenol-d4	7.481	132	56797	34.114	ng/ul	0.00
15) 4-Methylphenol-d8	8.669	113	51204	31.965	ng/ul	0.00
21) Nitrobenzene-d5	9.128	128	25858	31.987	ng/ul	0.00
24) 2-Nitrophenol-d4	9.845	143	34793	32.591	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.386	165	73641	31.169	ng/ul	0.00
31) 4-Chloroaniline-d4	10.910	131	62994	27.436	ng/ul	0.00
46) Dimethylphthalate-d6	14.004	166	206391	30.124	ng/ul	0.00
49) Acenaphthylene-d8	14.280	160	224977	30.857	ng/ul	0.00
54) 4-Nitrophenol-d4	14.798	143	26951	28.435	ng/ul	0.00
60) Fluorene-d10	15.580	176	191200	31.205	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.710	200	48213	30.165	ng/ul	0.00
73) Anthracene-d10	17.427	188	300415	31.964	ng/ul	0.00
81) Pyrene-d10	19.715	212	345327	34.759	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.756	264	444268	33.313	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.363	88	9693	10.665	ng/uL	97
5) Pyridine	3.781	79	60543	27.910	ng/ul	93
6) Benzaldehyde	7.093	77	40395	43.637	ng/ul	95
8) Phenol	7.145	94	67137	33.400	ng/ul	98
10) Bis(2-Chloroethyl)ether	7.381	93	48076	33.475	ng/ul	90
12) 2-Chlorophenol	7.516	128	57516	34.426	ng/ul	97
13) 2-Methylphenol	8.398	108	49137	32.174	ng/ul	92
14) 2,2'-oxybis(1-Chloropr...	8.487	45	50436	33.991	ng/ul	99
16) Acetophenone	8.787	105	90743	32.065	ng/ul	96
17) N-Nitroso-di-n-propyla...	8.769	70	46260	35.569	ng/ul#	98
18) 4-Methylphenol	8.734	108	53488	32.996	ng/ul	90
19) Hexachloroethane	9.028	117	28053	33.289	ng/ul	91
22) Nitrobenzene	9.169	77	77123	31.698	ng/ul	95
23) Isophorone	9.698	82	122506	33.275	ng/ul	98
25) 2-Nitrophenol	9.881	139	34796	32.883	ng/ul	94
26) 2,4-Dimethylphenol	9.939	107	66766	29.049	ng/ul	98
27) Bis(2-Chloroethoxy)met...	10.175	93	63006	33.563	ng/ul	99
29) 2,4-Dichlorophenol	10.410	162	71152	31.686	ng/ul	97
30) Naphthalene	10.816	128	173858	32.857	ng/ul	99
32) 4-Chloroaniline	10.933	127	59090	25.647	ng/ul	95
33) Hexachlorobutadiene	11.086	225	73307	31.413	ng/ul	99
34) Caprolactam	11.775	113	3551	8.038	ng/ul	79
35) 4-Chloro-3-methylphenol	12.051	107	61778	34.828	ng/ul	96
36) 2-Methylnaphthalene	12.416	142	134667	34.217	ng/ul	99

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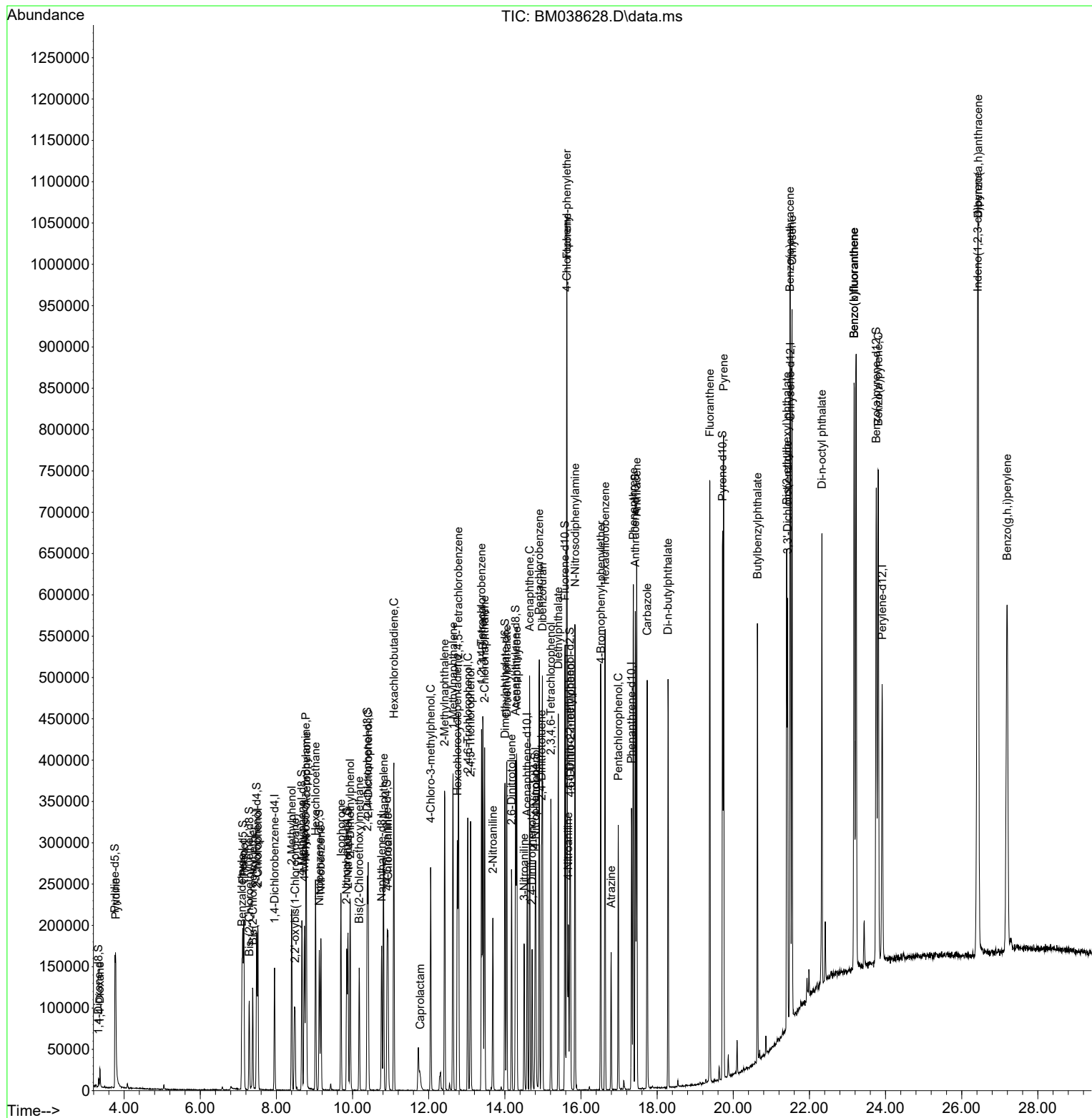
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.639	142	136093	33.498	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.780	216	120482	29.509	ng/ul	98
40) Hexachlorocyclopentadiene	12.751	237	78445	26.925	ng/ul	99
41) 2,4,6-Trichlorophenol	13.027	196	70140	28.216	ng/ul	97
42) 2,4,5-Trichlorophenol	13.098	196	75594	28.476	ng/ul	93
43) 1,1'-Biphenyl	13.422	154	196349	30.787	ng/ul	98
44) 2-Chloronaphthalene	13.469	162	163594	30.878	ng/ul	94
45) 2-Nitroaniline	13.686	65	46517	32.826	ng/ul	91
47) Dimethylphthalate	14.051	163	211072	31.308	ng/ul	99
48) 2,6-Dinitrotoluene	14.174	165	40622	32.534	ng/ul	92
50) Acenaphthylene	14.310	152	229106	31.423	ng/ul	98
51) 3-Nitroaniline	14.510	138	30729	34.191	ng/ul	92
52) Acenaphthene	14.651	153	173784	32.022	ng/ul	98
53) 2,4-Dinitrophenol	14.716	184	31093	30.977	ng/ul	91
55) 4-Nitrophenol	14.810	109	47774	30.044	ng/ul	93
56) Dibenzofuran	14.986	168	255819	31.694	ng/ul	94
57) 2,4-Dinitrotoluene	14.963	165	59428	32.292	ng/ul	97
58) 2,3,4,6-Tetrachlorophenol	15.210	232	62912	27.067	ng/ul	99
59) Diethylphthalate	15.404	149	207441	32.822	ng/ul	97
61) Fluorene	15.633	166	225417	33.160	ng/ul	97
62) 4-Chlorophenyl-phenyle...	15.627	204	152640	31.912	ng/ul	92
63) 4-Nitroaniline	15.668	138	29051	39.206	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.721	198	46834	31.050	ng/ul	97
67) N-Nitrosodiphenylamine	15.845	169	188006	35.714	ng/ul	97
68) 4-Bromophenyl-phenylether	16.521	248	88241	33.540	ng/ul	96
69) Hexachlorobenzene	16.633	284	100777	32.814	ng/ul	95
70) Atrazine	16.792	200	34282	12.979	ng/ul	98
71) Pentachlorophenol	16.980	266	50330	25.619	ng/ul	92
72) Phenanthrene	17.374	178	334021	34.231	ng/ul	98
74) Anthracene	17.462	178	339162	33.193	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.386	216	117626	32.776	ng/uL	100
76) Pentachlorobenzene	14.904	250	116750	31.264	ng/uL	98
77) Carbazole	17.739	167	263766	29.739	ng/ul	98
78) Di-n-butylphthalate	18.286	149	301258	35.108	ng/ul	99
80) Fluoranthene	19.386	202	422282	36.670	ng/ul	99
82) Pyrene	19.745	202	431672	35.323	ng/ul	100
83) Butylbenzylphthalate	20.633	149	124728	35.384	ng/ul	95
84) 3,3'-Dichlorobenzidine	21.427	252	153779	32.466	ng/ul	95
85) Benzo(a)anthracene	21.492	228	445540	32.620	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.403	149	171763	34.245	ng/ul	98
87) Chrysene	21.544	228	418693	33.119	ng/ul	100
89) Di-n-octyl phthalate	22.327	149	323976	29.442	ng/ul	100
90) Benzo(b)fluoranthene	23.174	252	561777	34.973	ng/ul	99
91) Benzo(k)fluoranthene	23.174	252	561777	35.086	ng/ul	98
93) Benzo(a)pyrene	23.809	252	501891	33.739	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	26.421	276	740263	31.482	ng/ul	98
95) Dibenzo(a,h)anthracene	26.432	278	654874	32.815	ng/ul	100
96) Benzo(g,h,i)perylene	27.191	276	626307	32.816	ng/ul	99

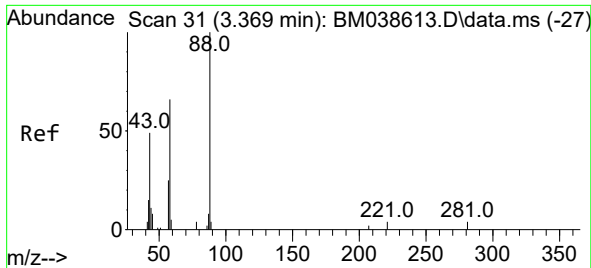
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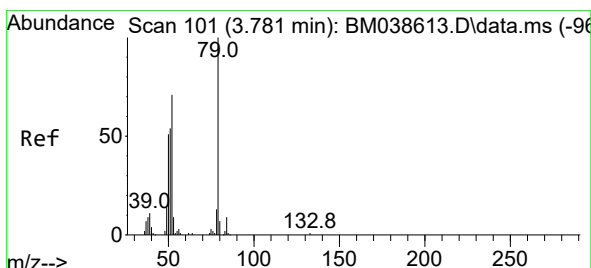
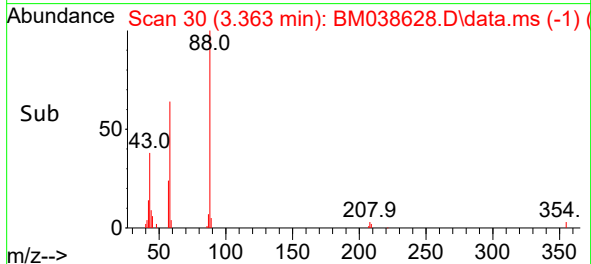
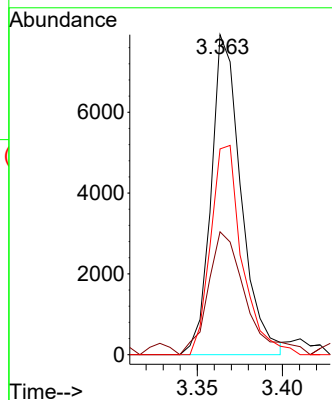
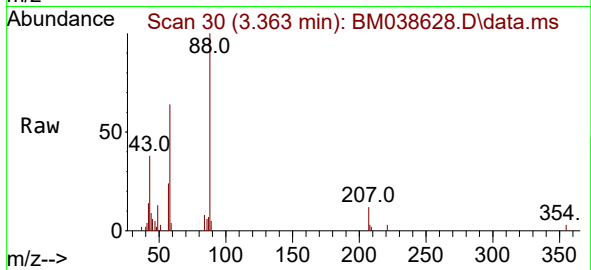




#2
1,4-Dioxane
Concen: 10.665 ng/uL
RT: 3.363 min Scan# 30
Delta R.T. -0.006 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

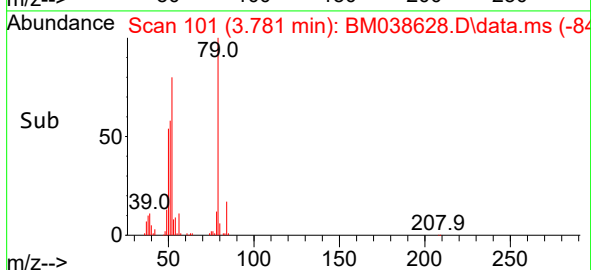
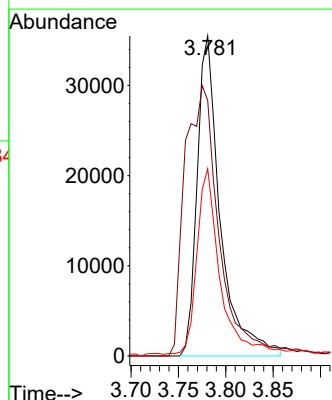
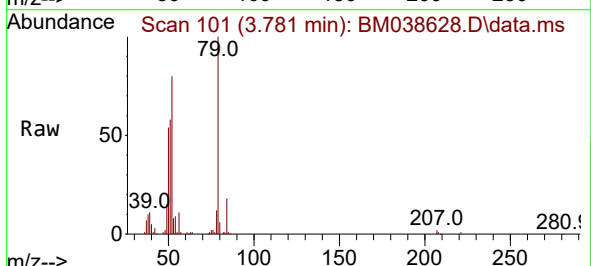
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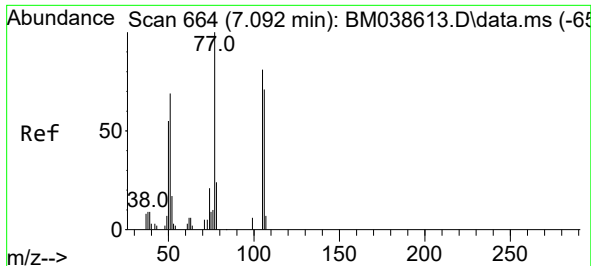
Tgt Ion: 88 Resp: 9693
Ion Ratio Lower Upper
88 100
43 38.4 33.8 50.8
58 64.3 52.1 78.1



#5
Pyridine
Concen: 27.910 ng/uL
RT: 3.781 min Scan# 101
Delta R.T. -0.000 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

Tgt Ion: 79 Resp: 60543
Ion Ratio Lower Upper
79 100
52 79.8 67.4 101.0
51 58.5 40.7 61.1

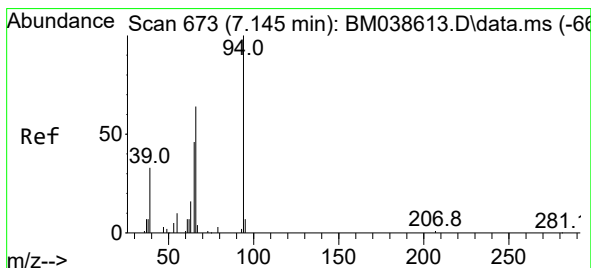
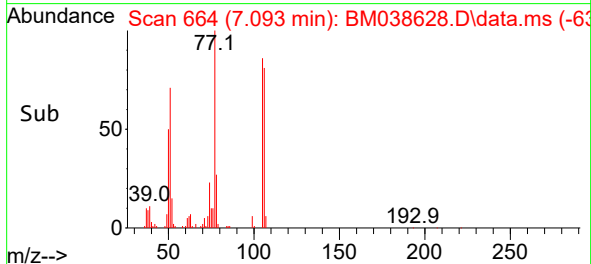
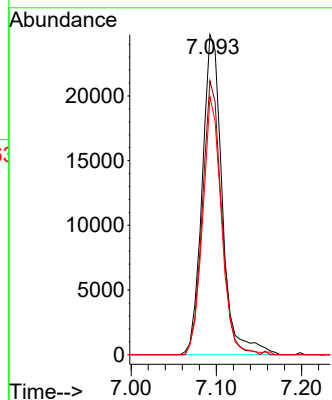
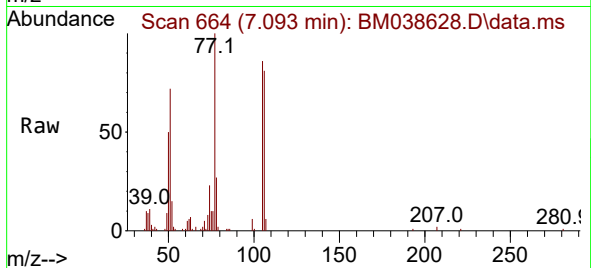




#6
Benzaldehyde
Concen: 43.637 ng/ul
RT: 7.093 min Scan# 609
Delta R.T. -0.006 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

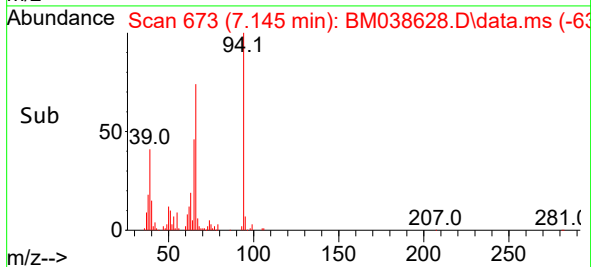
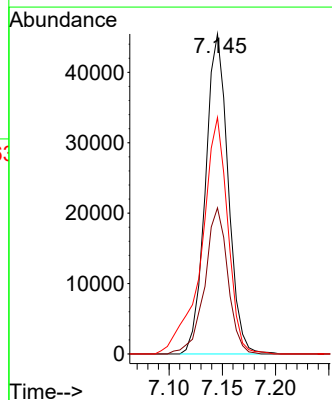
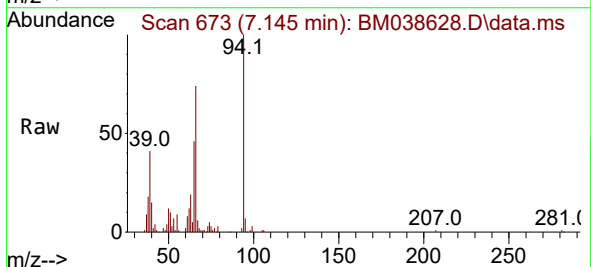
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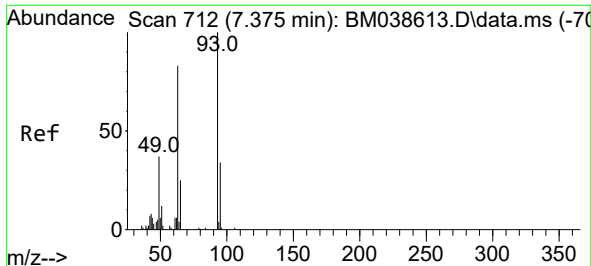
Tgt Ion: 77 Resp: 40395
Ion Ratio Lower Upper
77 100
105 85.6 68.3 102.5
106 80.6 57.7 86.5



#8
Phenol
Concen: 33.400 ng/ul
RT: 7.145 min Scan# 673
Delta R.T. -0.000 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

Tgt Ion: 94 Resp: 67137
Ion Ratio Lower Upper
94 100
65 45.7 38.2 57.2
66 73.9 57.9 86.9

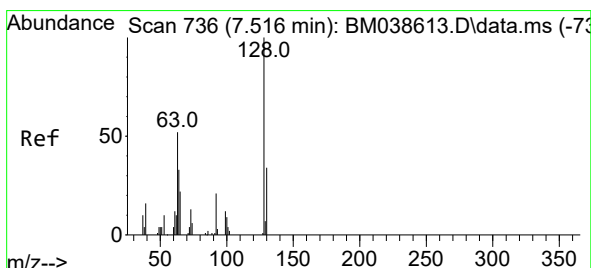
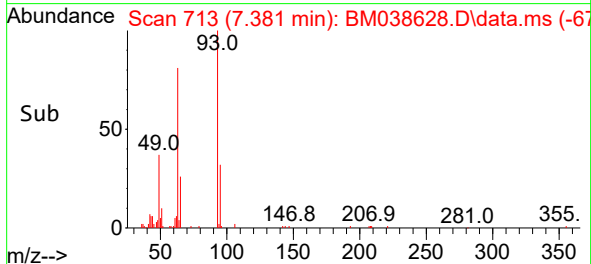
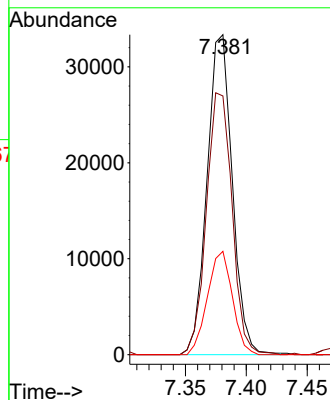
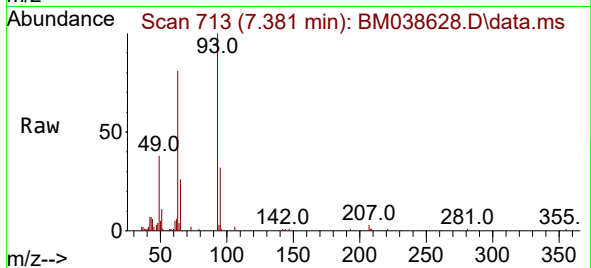




#10
Bis(2-Chloroethyl)ether
Concen: 33.475 ng/ul
RT: 7.381 min Scan# 712
Delta R.T. -0.000 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

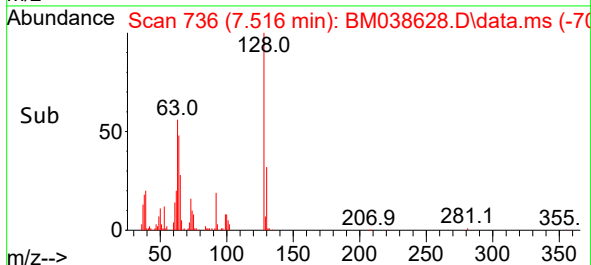
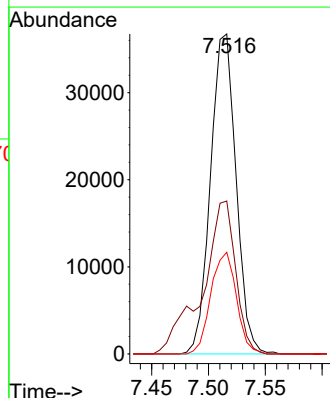
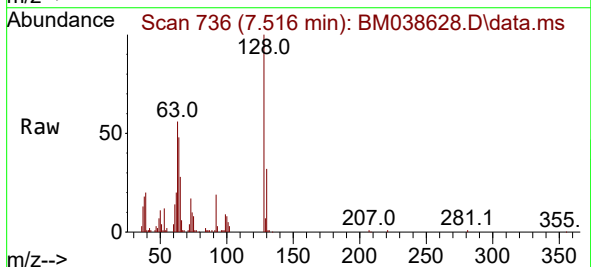
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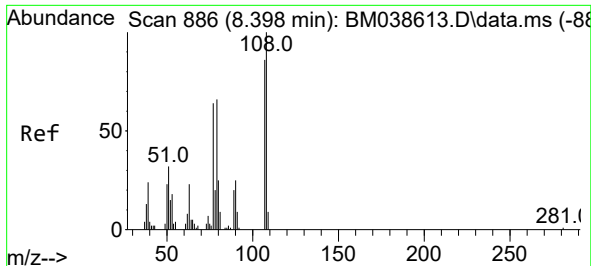
Tgt Ion: 93 Resp: 48076
Ion Ratio Lower Upper
93 100
63 80.8 73.9 110.9
95 32.3 28.0 42.0



#12
2-Chlorophenol
Concen: 34.426 ng/ul
RT: 7.516 min Scan# 736
Delta R.T. -0.000 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

Tgt Ion:128 Resp: 57516
Ion Ratio Lower Upper
128 100
64 47.8 40.0 60.0
130 31.8 24.4 36.6

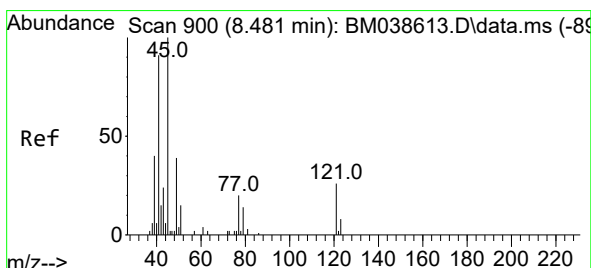
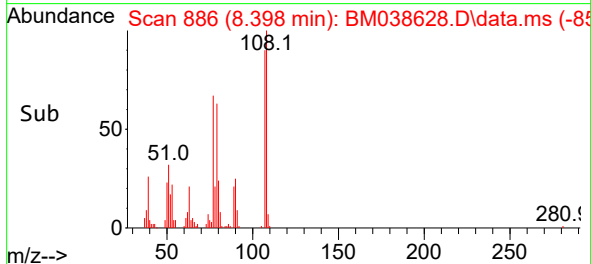
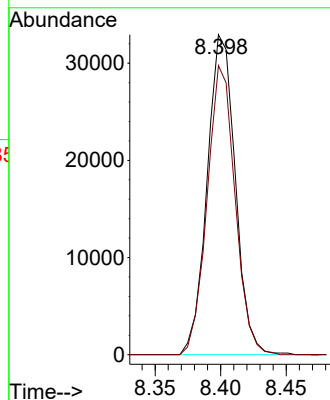
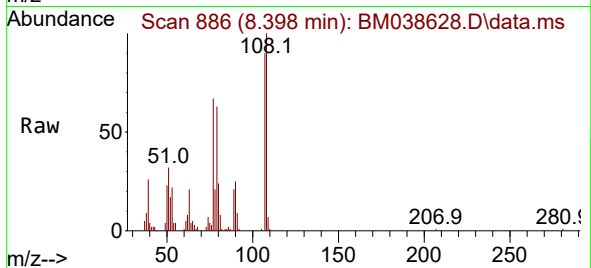




#13
2-Methylphenol
Concen: 32.174 ng/ul
RT: 8.398 min Scan# 886
Delta R.T. -0.006 min
Lab File: BM038628.D
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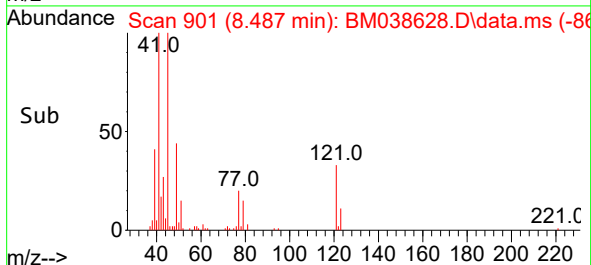
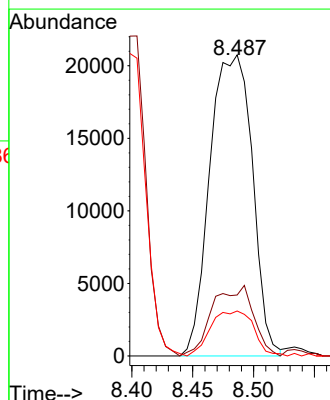
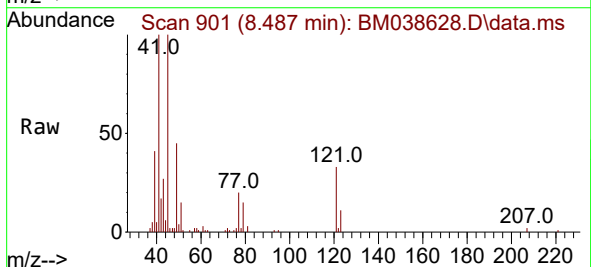
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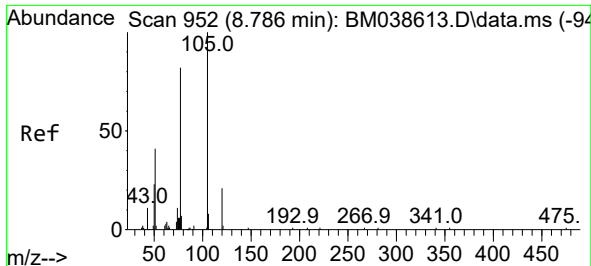
Tgt Ion:108 Resp: 49137
Ion Ratio Lower Upper
108 100
107 90.3 66.6 100.0



#14
2,2'-oxybis(1-Chloropropane)
Concen: 33.991 ng/ul
RT: 8.487 min Scan# 901
Delta R.T. 0.006 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

Tgt Ion: 45 Resp: 50436
Ion Ratio Lower Upper
45 100
77 20.2 16.9 25.3
79 14.9 11.8 17.6

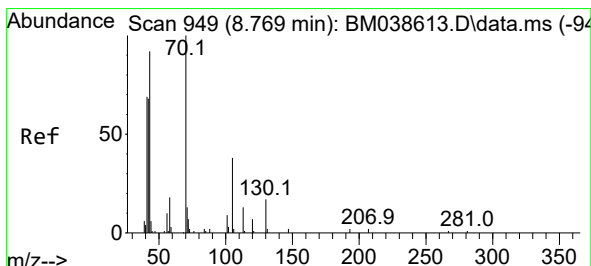
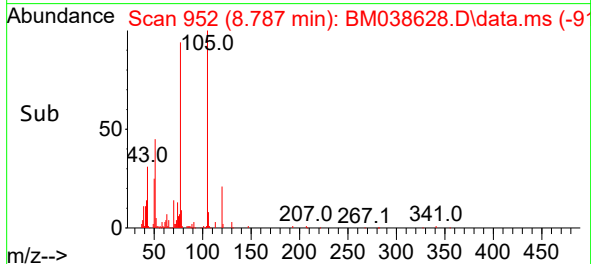
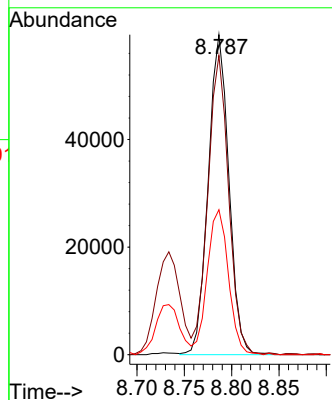
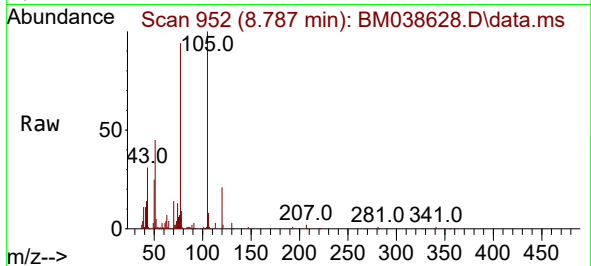




#16
Acetophenone
Concen: 32.065 ng/ul
RT: 8.787 min Scan# 91
Delta R.T. -0.000 min
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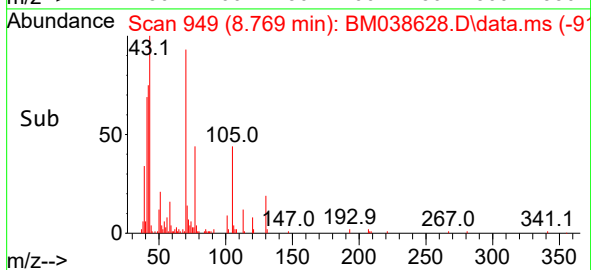
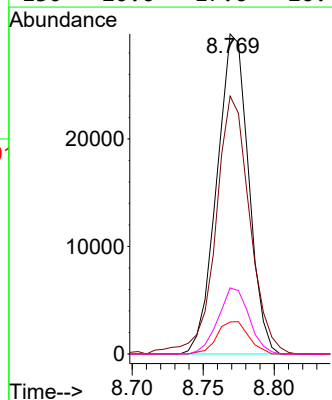
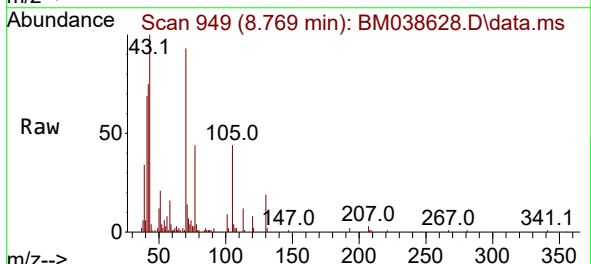
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BNA_M
ClientSampleId :

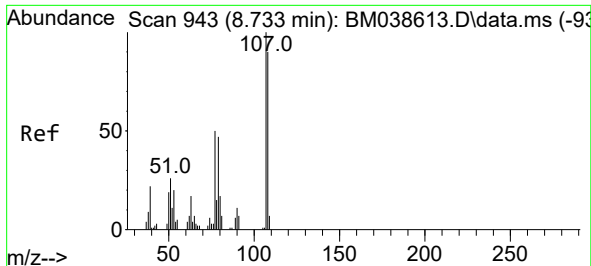
Tgt Ion:105 Resp: 90743
Ion Ratio Lower Upper
105 100
77 93.5 78.6 117.8
51 45.3 37.2 55.8



#17
N-Nitroso-di-n-propylamine
Concen: 35.569 ng/ul
RT: 8.769 min Scan# 949
Delta R.T. -0.000 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

Tgt Ion: 70 Resp: 46260
Ion Ratio Lower Upper
70 100
42 80.5 63.6 95.4
101 10.0 6.3 9.5#
130 20.6 17.6 26.4





#18

4-Methylphenol

Concen: 32.996 ng/ul

RT: 8.734 min Scan# 943

Delta R.T. -0.000 min

Lab File: BM038628.D

Acq: 31 Jan 2023 20:25

Instrument :

BNA_M

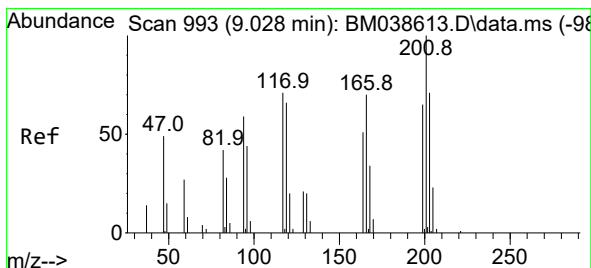
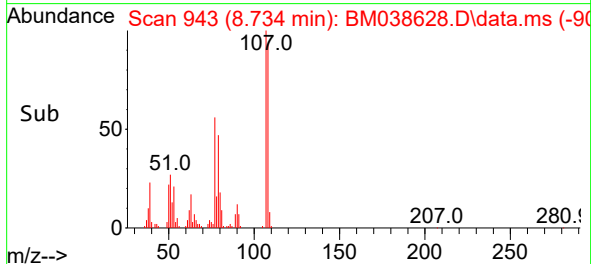
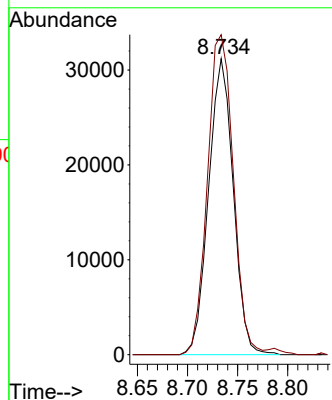
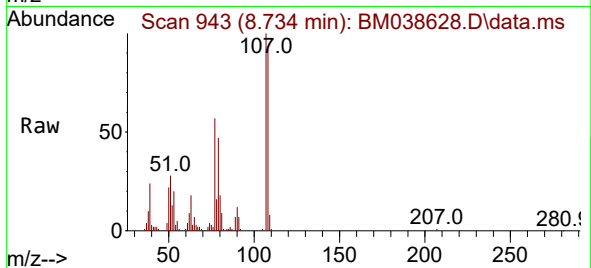
ClientSampleId :

Tgt Ion:108 Resp: 53488

Ion Ratio Lower Upper

108 100

107 108.1 95.1 142.7



#19

Hexachloroethane

Concen: 33.289 ng/ul

RT: 9.028 min Scan# 993

Delta R.T. -0.006 min

Lab File: BM038628.D

Acq: 31 Jan 2023 20:25

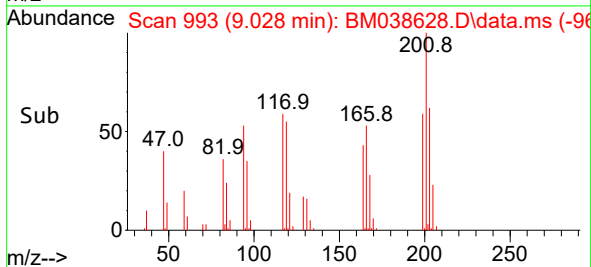
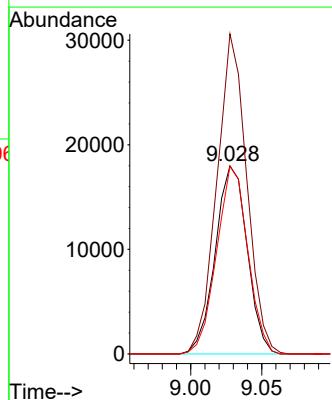
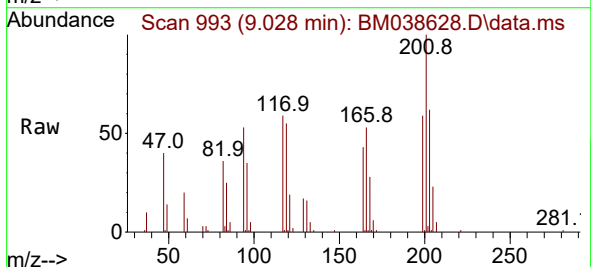
Tgt Ion:117 Resp: 28053

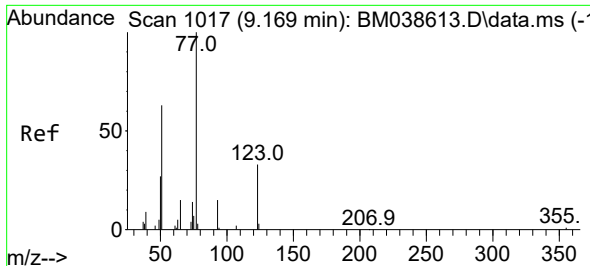
Ion Ratio Lower Upper

117 100

201 170.0 124.4 186.6

199 99.6 76.3 114.5

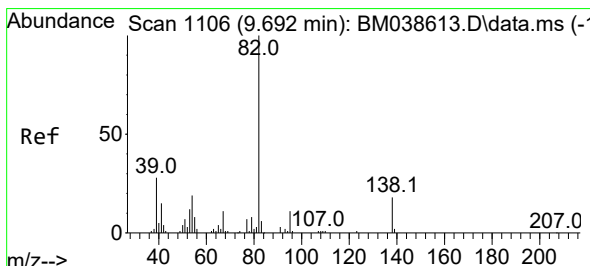
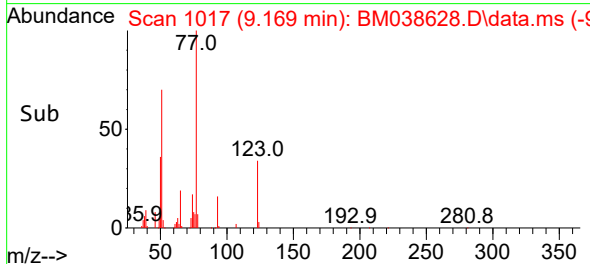
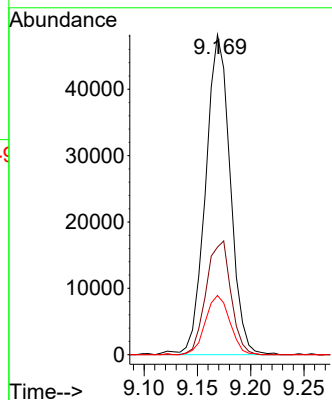
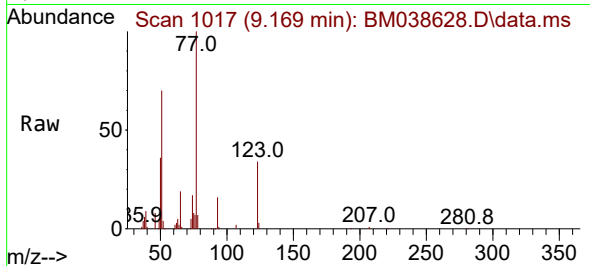




#22
Nitrobenzene
Concen: 31.698 ng/ul
RT: 9.169 min Scan# 1107
Delta R.T. -0.000 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

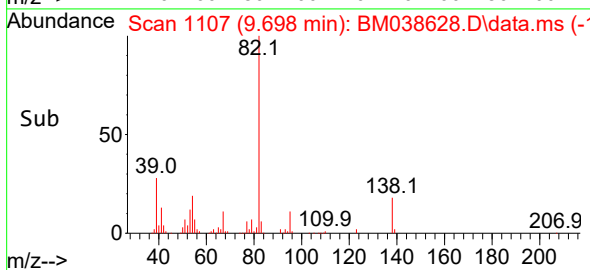
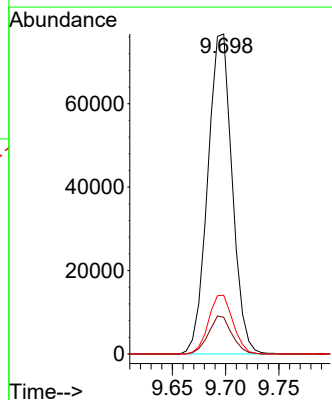
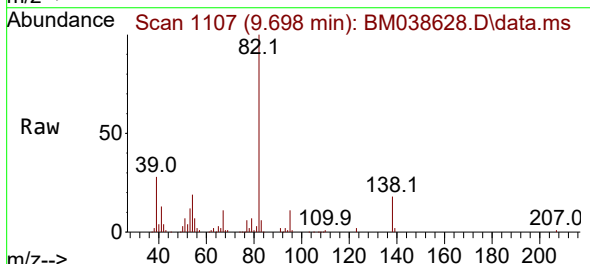
Instrument :
BNA_M
ClientSampleId :

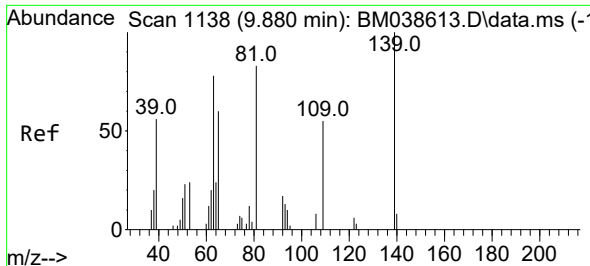
Tgt Ion: 77 Resp: 77123
Ion Ratio Lower Upper
77 100
123 33.6 29.5 44.3
65 18.5 13.6 20.4



#23
Isophorone
Concen: 33.275 ng/ul
RT: 9.698 min Scan# 1107
Delta R.T. 0.006 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

Tgt Ion: 82 Resp: 122506
Ion Ratio Lower Upper
82 100
95 11.5 9.3 13.9
138 18.4 13.4 20.0

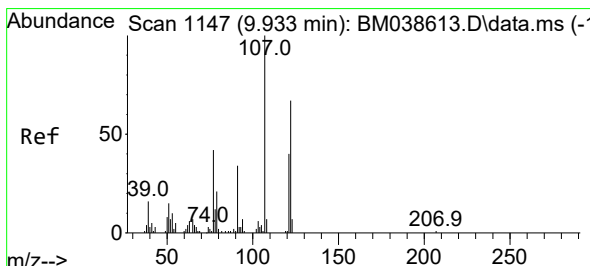
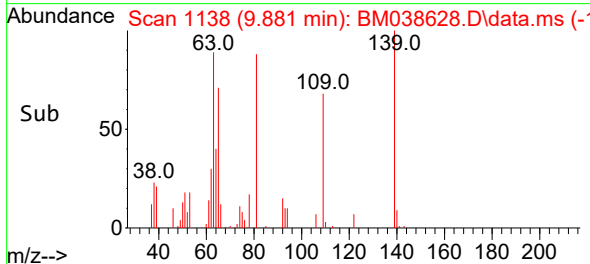
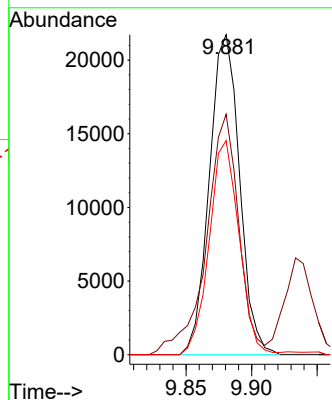
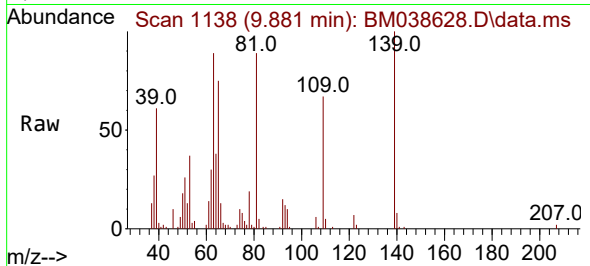




#25
2-Nitrophenol
Concen: 32.883 ng/ul
RT: 9.881 min Scan# 1138
Delta R.T. -0.000 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

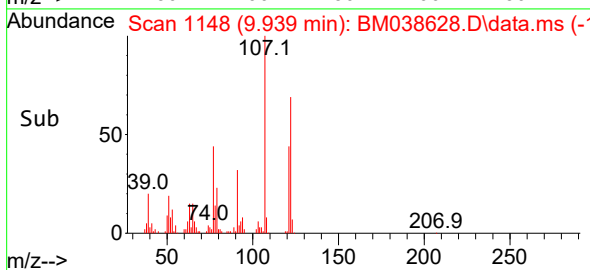
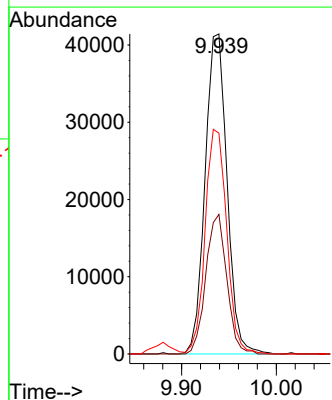
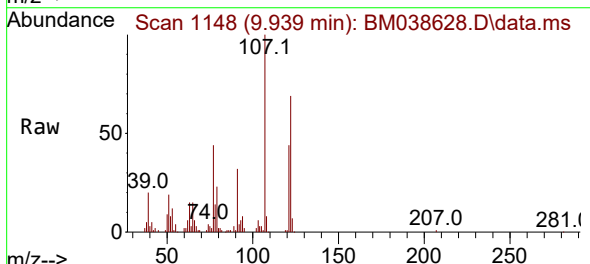
Instrument :
BNA_M
ClientSampleId :

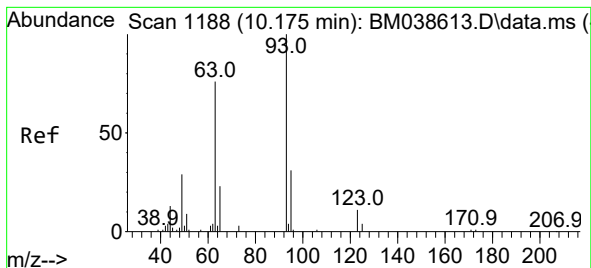
Tgt Ion:139 Resp: 34796
Ion Ratio Lower Upper
139 100
65 75.1 58.6 87.8
109 66.9 46.8 70.2



#26
2,4-Dimethylphenol
Concen: 29.049 ng/ul
RT: 9.939 min Scan# 1148
Delta R.T. -0.000 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

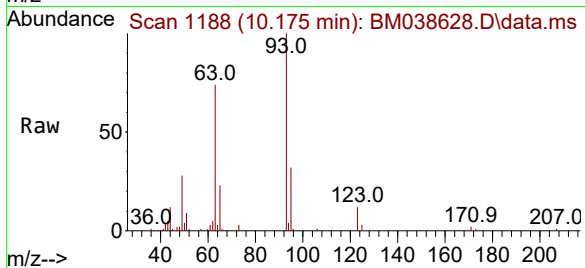
Tgt Ion:107 Resp: 66766
Ion Ratio Lower Upper
107 100
121 43.6 32.6 48.8
122 69.0 54.8 82.2



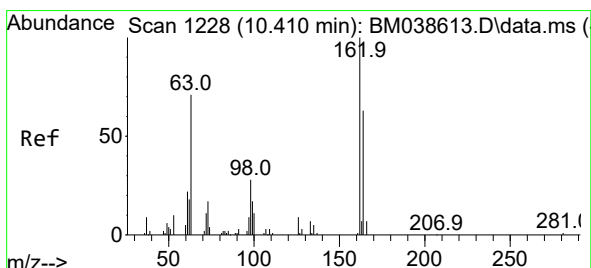
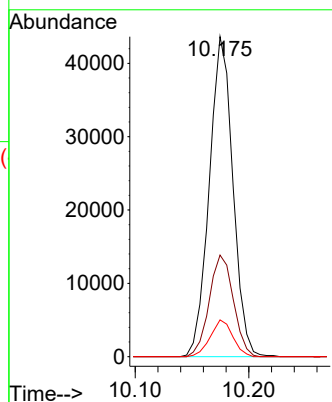
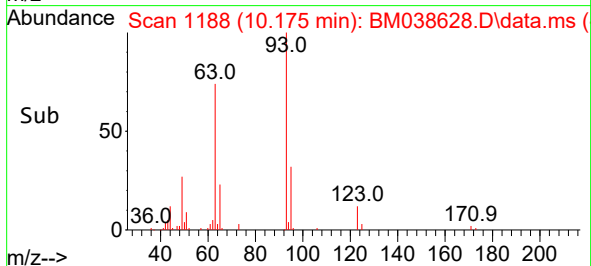


#27
 Bis(2-Chloroethoxy)methane
 Concen: 33.563 ng/ul
 RT: 10.175 min Scan# 1188
 Delta R.T. -0.006 min
 Lab File: BM038628.D
 Acq: 31 Jan 2023 20:25

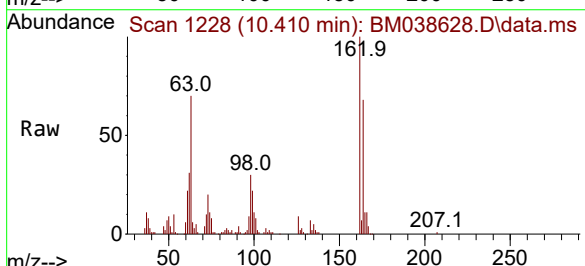
Instrument :
 BNA_M
 ClientSampleId :



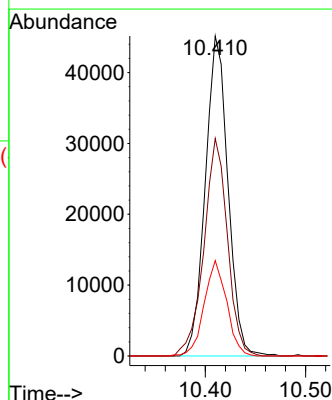
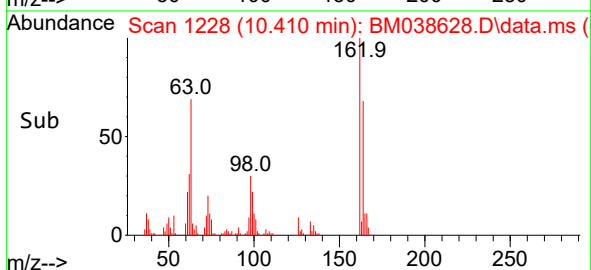
Tgt Ion: 93 Resp: 63006
 Ion Ratio Lower Upper
 93 100
 95 31.8 25.3 37.9
 123 11.5 8.6 13.0

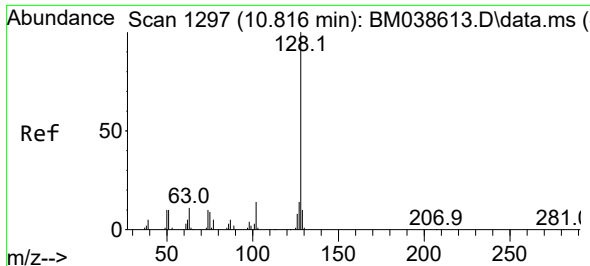


#29
 2,4-Dichlorophenol
 Concen: 31.686 ng/ul
 RT: 10.410 min Scan# 1228
 Delta R.T. -0.006 min
 Lab File: BM038628.D
 Acq: 31 Jan 2023 20:25



Tgt Ion: 162 Resp: 71152
 Ion Ratio Lower Upper
 162 100
 164 67.9 56.3 84.5
 98 29.8 24.6 37.0

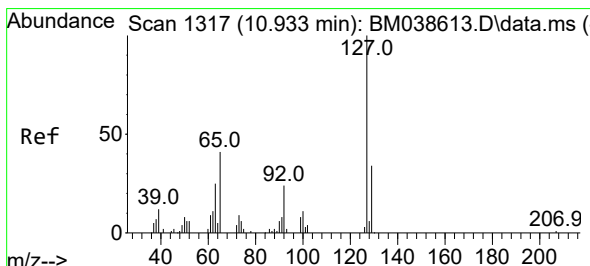
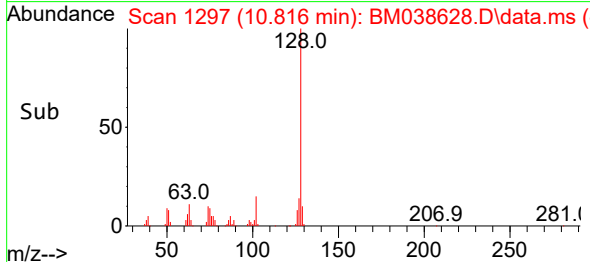
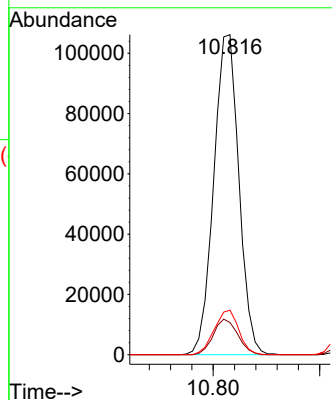
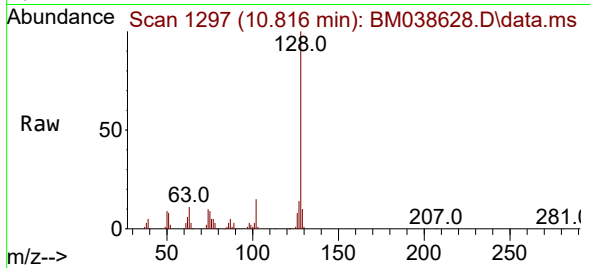




#30
Naphthalene
Concen: 32.857 ng/ul
RT: 10.816 min Scan# 1297
Delta R.T. -0.000 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

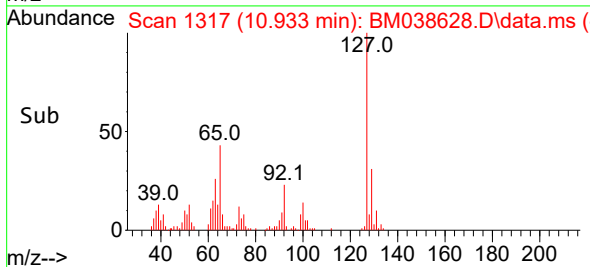
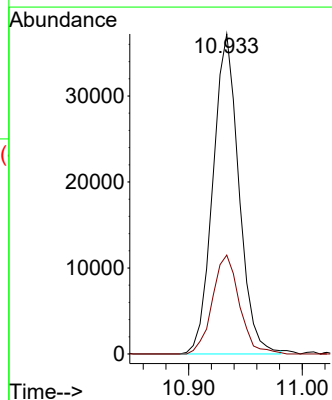
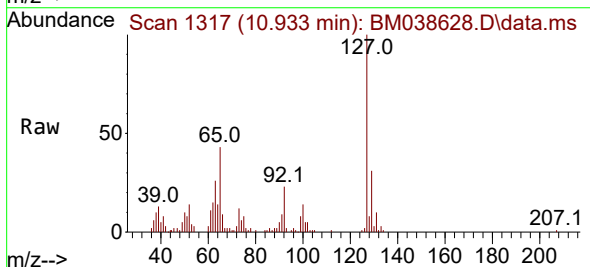
Instrument :
BNA_M
ClientSampleId :

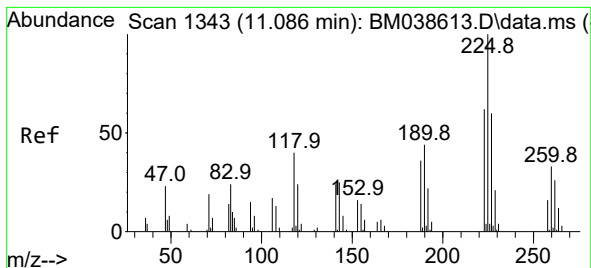
Tgt Ion:128 Resp: 173858
Ion Ratio Lower Upper
128 100
129 10.0 8.0 12.0
127 13.9 10.5 15.7



#32
4-Chloroaniline
Concen: 25.647 ng/ul
RT: 10.933 min Scan# 1317
Delta R.T. -0.000 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

Tgt Ion:127 Resp: 59090
Ion Ratio Lower Upper
127 100
129 30.9 26.9 40.3

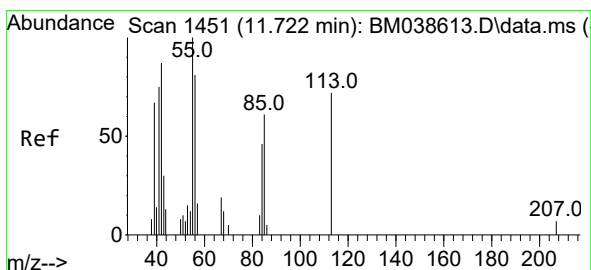
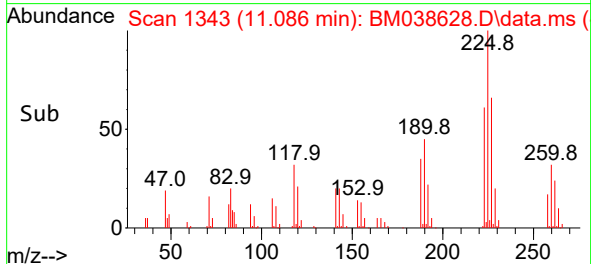
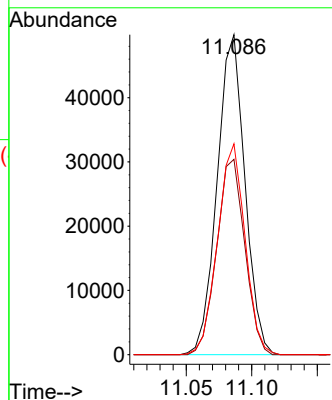
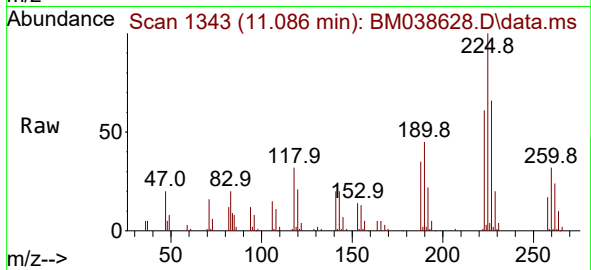




#33
Hexachlorobutadiene
Concen: 31.413 ng/ul
RT: 11.086 min Scan# 11
Delta R.T. -0.000 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

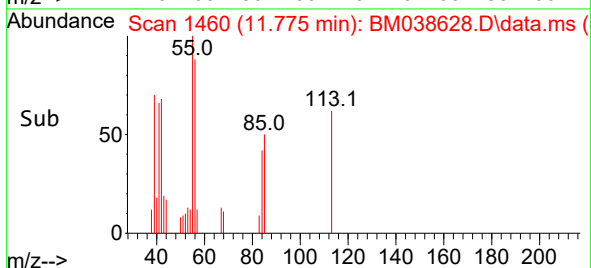
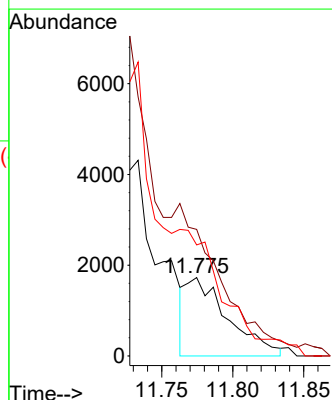
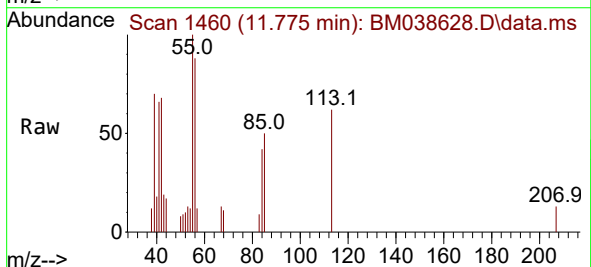
Instrument :
BNA_M
ClientSampleId :

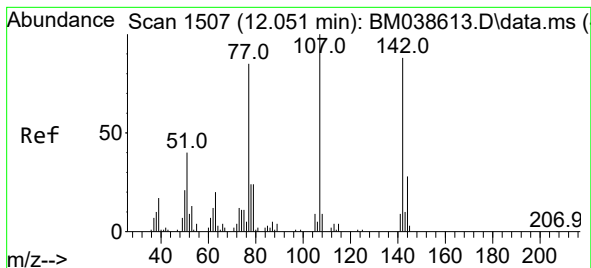
Tgt Ion:225 Resp: 73307
Ion Ratio Lower Upper
225 100
223 61.1 48.0 72.0
227 65.9 53.6 80.4



#34
Caprolactam
Concen: 8.038 ng/ul
RT: 11.775 min Scan# 1460
Delta R.T. 0.059 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

Tgt Ion:113 Resp: 3551
Ion Ratio Lower Upper
113 100
55 161.4 107.6 161.4
56 141.6 96.5 144.7

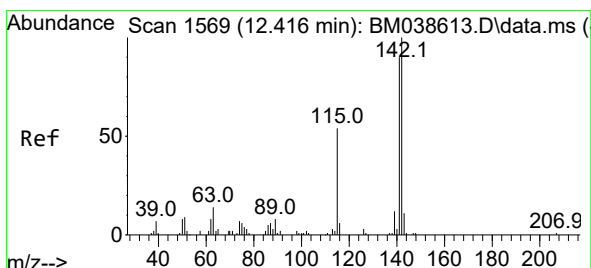
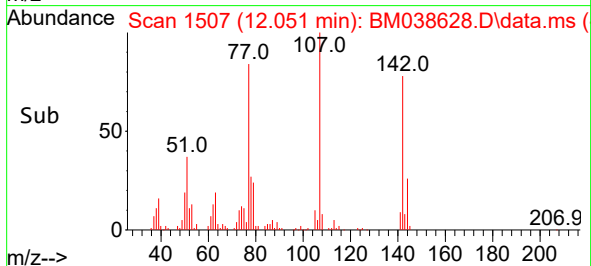
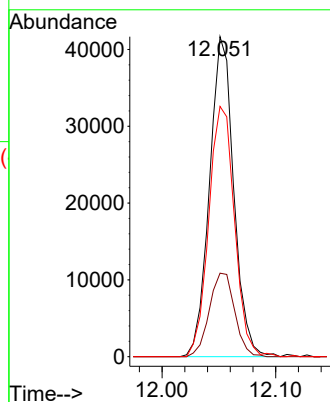
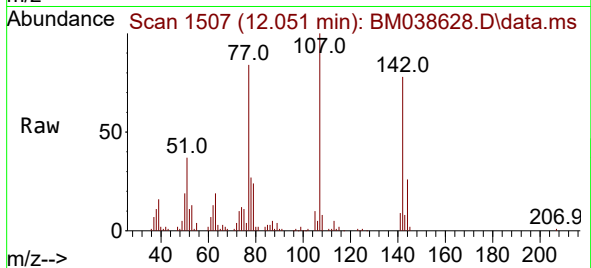




#35
4-Chloro-3-methylphenol
Concen: 34.828 ng/ul
RT: 12.051 min Scan# 1507
Delta R.T. -0.000 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

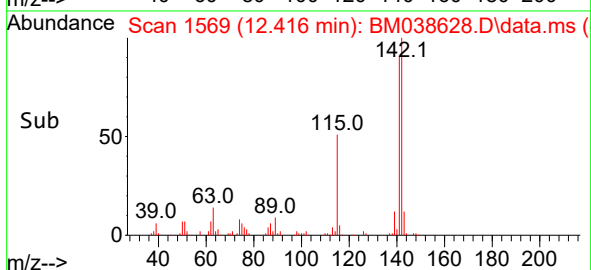
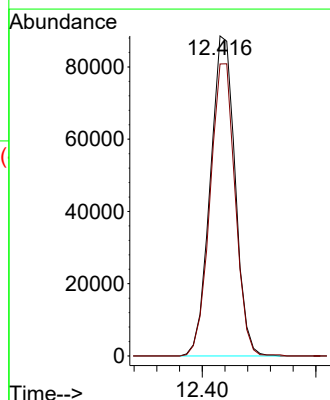
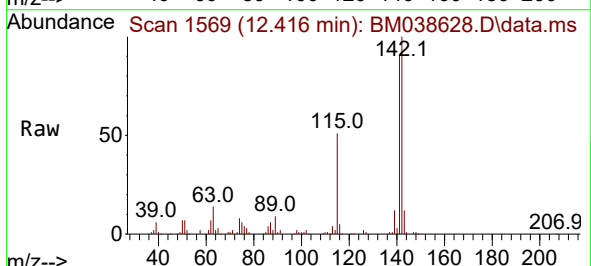
Instrument :
BNA_M
ClientSampleId :

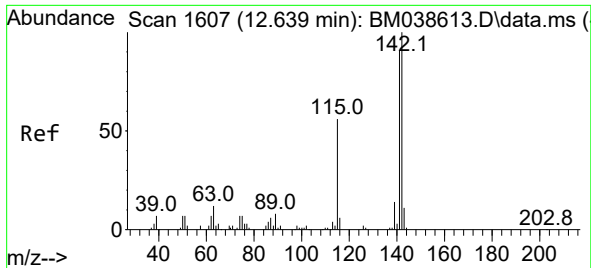
Tgt Ion:107 Resp: 61778
Ion Ratio Lower Upper
107 100
144 26.1 18.1 27.1
142 78.2 60.2 90.4



#36
2-Methylnaphthalene
Concen: 34.217 ng/ul
RT: 12.416 min Scan# 1569
Delta R.T. -0.006 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

Tgt Ion:142 Resp: 134667
Ion Ratio Lower Upper
142 100
141 91.2 73.7 110.5

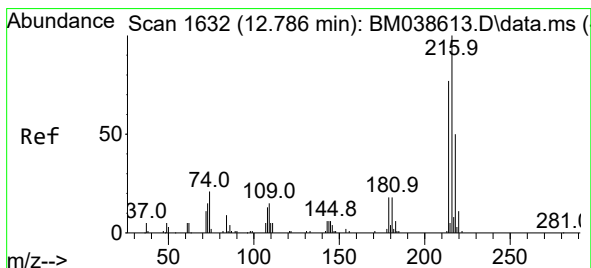
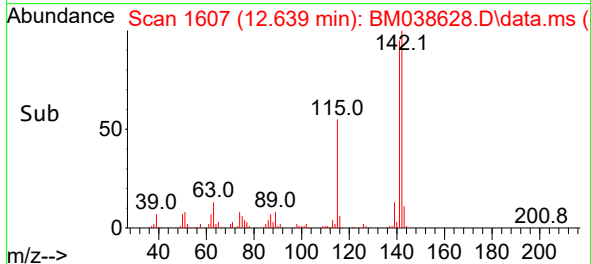
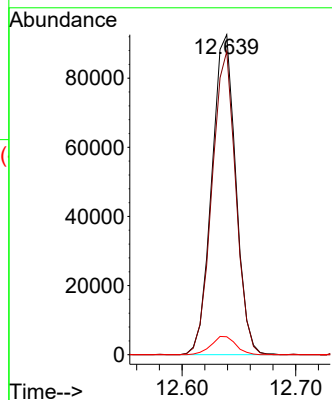
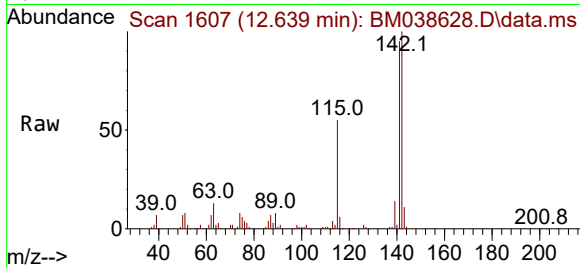




#37
1-Methylnaphthalene
Concen: 33.498 ng/ul
RT: 12.639 min Scan# 1
Delta R.T. -0.000 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

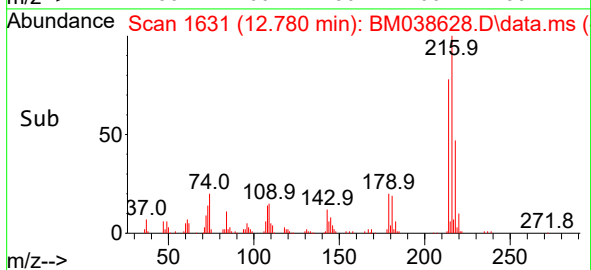
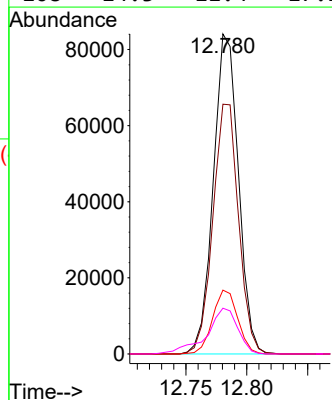
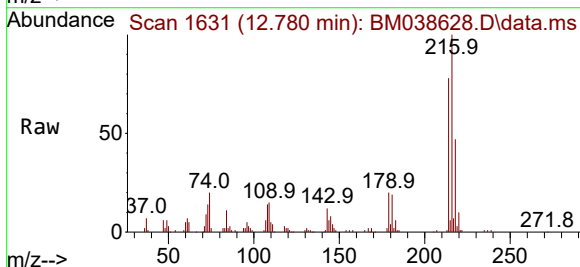
Instrument :
BNA_M
ClientSampleId :

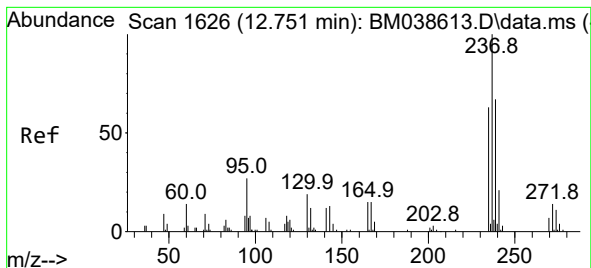
Tgt Ion:142 Resp: 136093
Ion Ratio Lower Upper
142 100
141 94.8 75.2 112.8
116 5.6 5.0 7.4



#39
1,2,4,5-Tetrachlorobenzene
Concen: 29.509 ng/ul
RT: 12.780 min Scan# 1631
Delta R.T. -0.006 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

Tgt Ion:216 Resp: 120482
Ion Ratio Lower Upper
216 100
214 78.0 61.1 91.7
179 19.9 17.0 25.4
108 14.3 11.4 17.2





#40

Hexachlorocyclopentadiene

Concen: 26.925 ng/ul

RT: 12.751 min Scan# 1

Delta R.T. -0.006 min

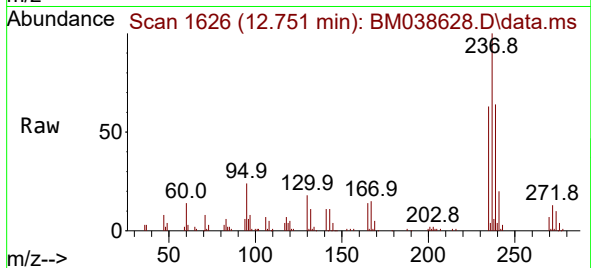
Lab File: BM038628.D

Acq: 31 Jan 2023 20:25

Instrument :

BNA_M

ClientSampleId :



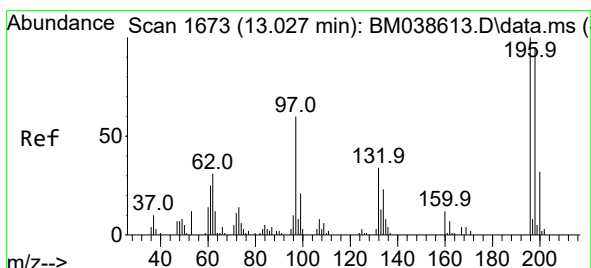
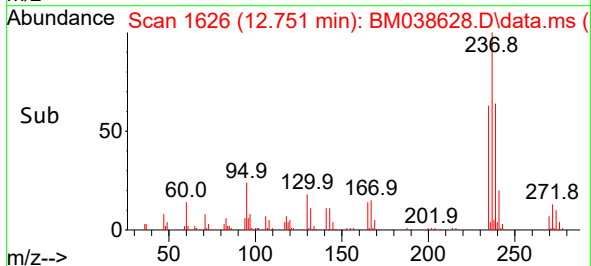
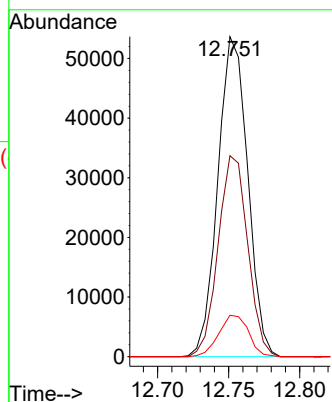
Tgt Ion:237 Resp: 78445

Ion Ratio Lower Upper

237 100

235 62.8 49.2 73.8

272 13.8 11.0 16.6



#41

2,4,6-Trichlorophenol

Concen: 28.216 ng/ul

RT: 13.027 min Scan# 1673

Delta R.T. -0.006 min

Lab File: BM038628.D

Acq: 31 Jan 2023 20:25

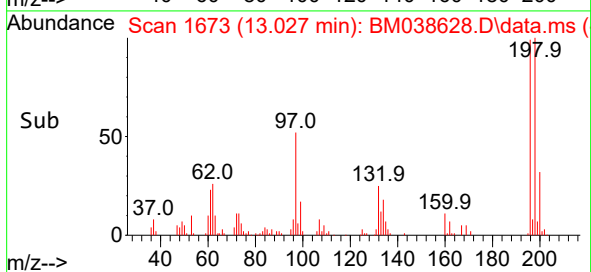
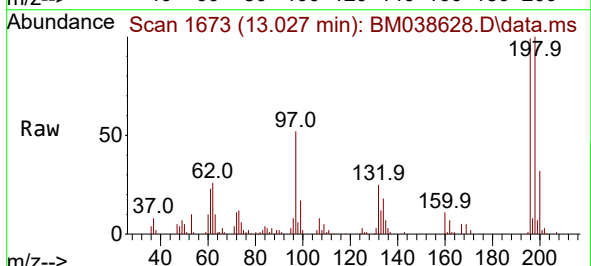
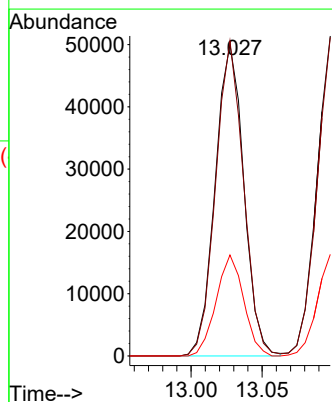
Tgt Ion:196 Resp: 70140

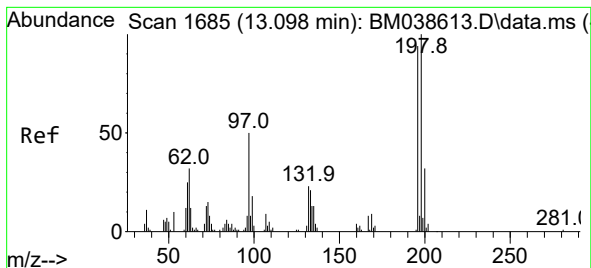
Ion Ratio Lower Upper

196 100

198 101.1 83.6 125.4

200 32.4 27.5 41.3

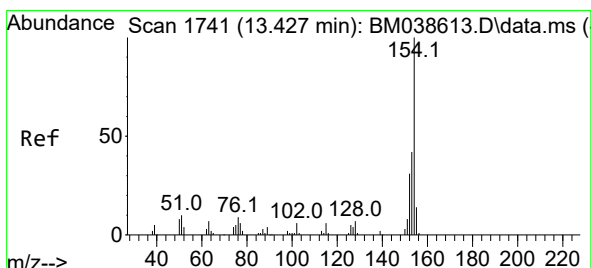
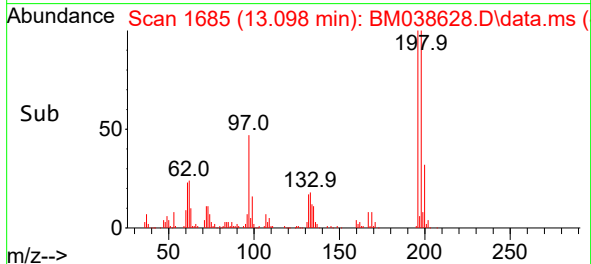
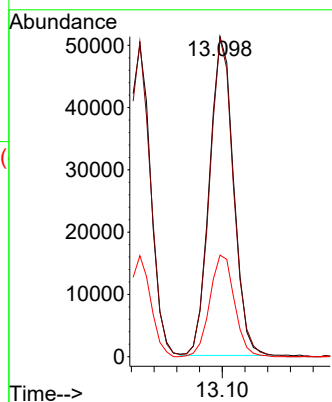
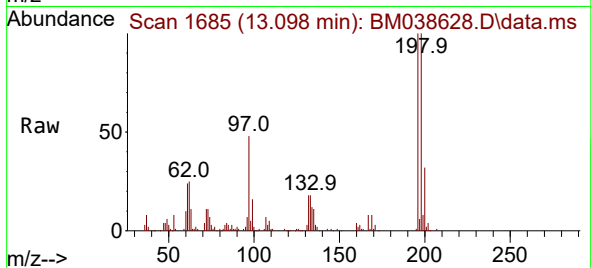




#42
2,4,5-Trichlorophenol
Concen: 28.476 ng/ul
RT: 13.098 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

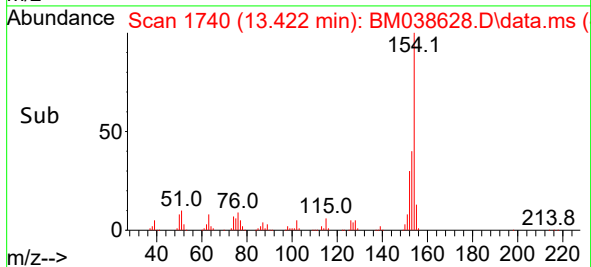
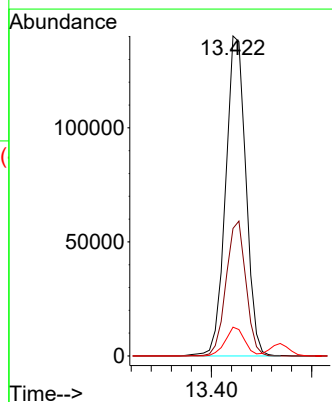
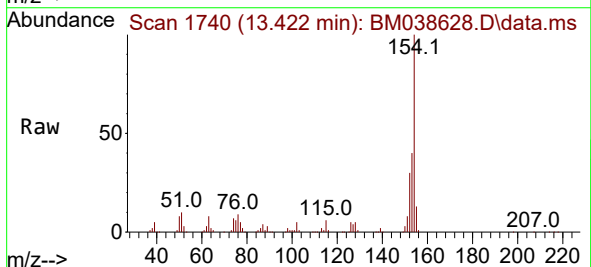
Instrument :
BNA_M
ClientSampleId :

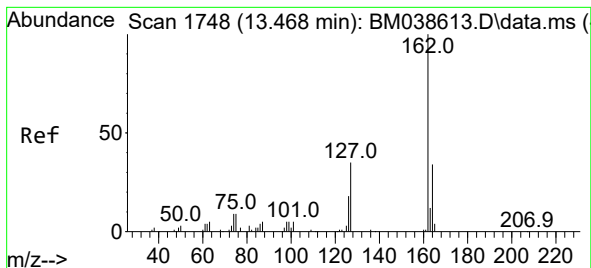
Tgt Ion:196 Resp: 75594
Ion Ratio Lower Upper
196 100
198 99.6 73.2 109.8
200 31.8 25.8 38.8



#43
1,1'-Biphenyl
Concen: 30.787 ng/ul
RT: 13.422 min Scan# 1740
Delta R.T. -0.006 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

Tgt Ion:154 Resp: 196349
Ion Ratio Lower Upper
154 100
153 39.8 33.2 49.8
76 9.0 6.7 10.1





#44

2-Chloronaphthalene

Concen: 30.878 ng/ul

RT: 13.469 min Scan# 1

Delta R.T. -0.000 min

Lab File: BM038628.D

Acq: 31 Jan 2023 20:25

Instrument :

BNA_M

ClientSampleId :

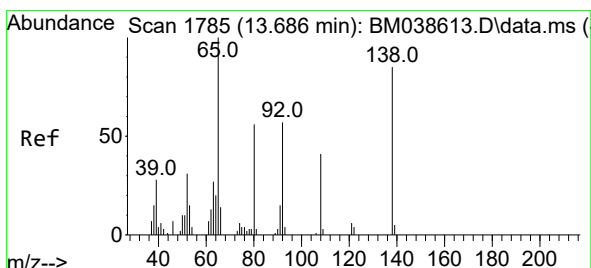
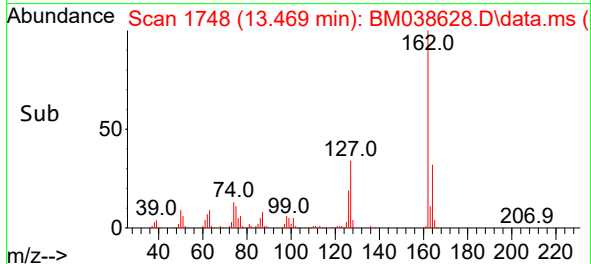
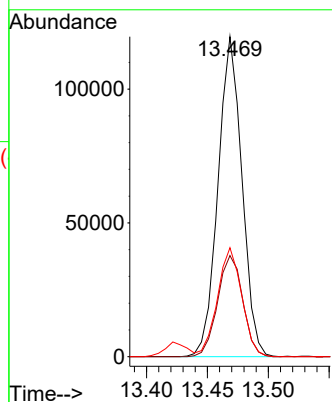
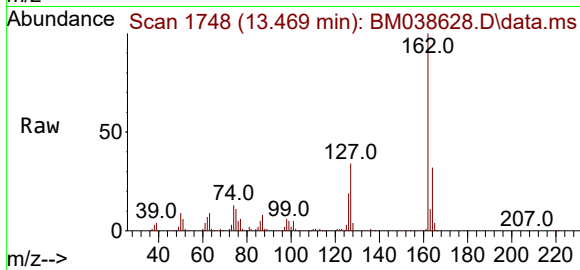
Tgt Ion:162 Resp: 163594

Ion Ratio Lower Upper

162 100

164 31.6 26.6 40.0

127 34.1 31.6 47.4



#45

2-Nitroaniline

Concen: 32.826 ng/ul

RT: 13.686 min Scan# 1785

Delta R.T. -0.000 min

Lab File: BM038628.D

Acq: 31 Jan 2023 20:25

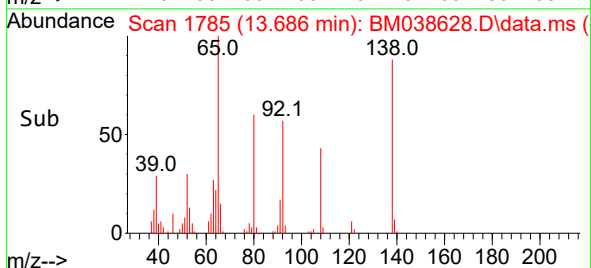
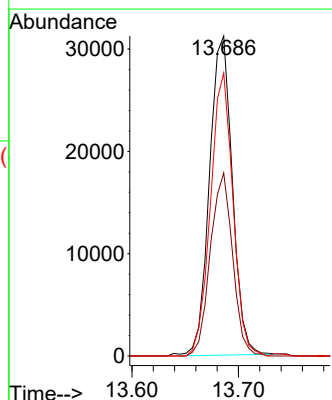
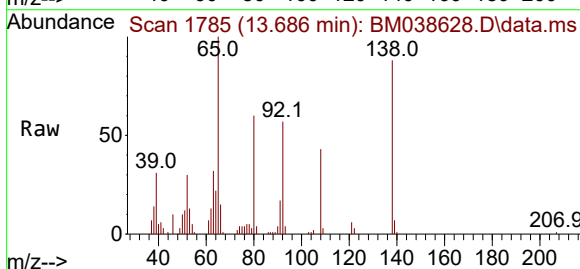
Tgt Ion: 65 Resp: 46517

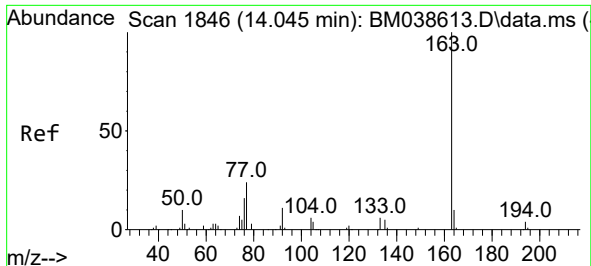
Ion Ratio Lower Upper

65 100

92 57.2 41.5 62.3

138 88.4 63.3 94.9





#47

Dimethylphthalate

Concen: 31.308 ng/ul

RT: 14.051 min Scan# 1847

Delta R.T. -0.000 min

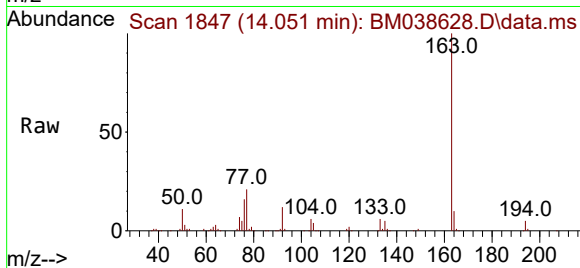
Lab File: BM038628.D

Acq: 31 Jan 2023 20:25

Instrument :

BNA_M

ClientSampleId :



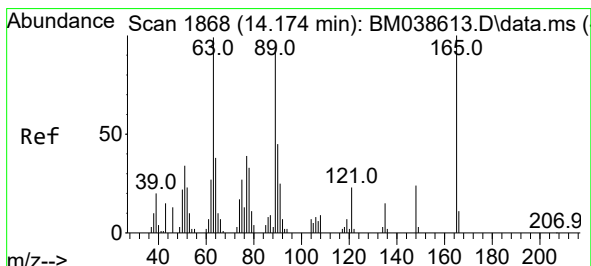
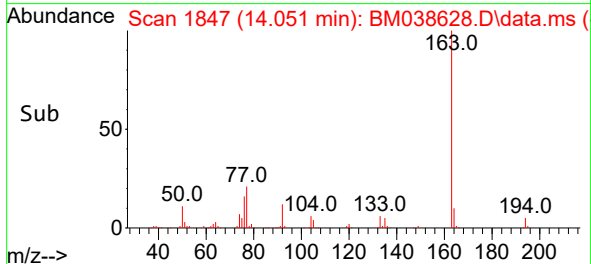
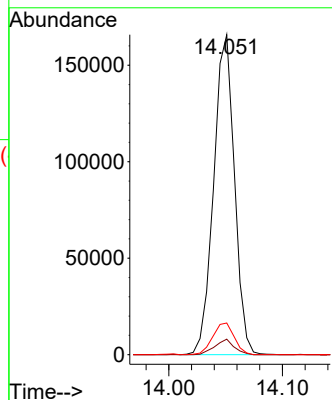
Tgt Ion:163 Resp: 211072

Ion Ratio Lower Upper

163 100

194 4.8 3.5 5.3

164 9.9 8.0 12.0



#48

2,6-Dinitrotoluene

Concen: 32.534 ng/ul

RT: 14.174 min Scan# 1868

Delta R.T. -0.006 min

Lab File: BM038628.D

Acq: 31 Jan 2023 20:25

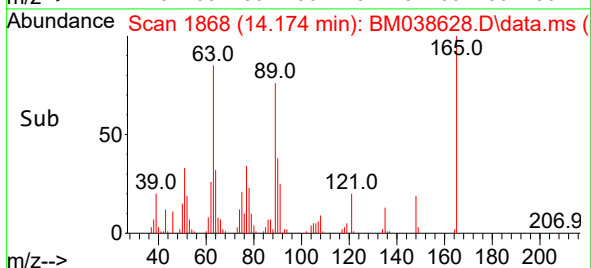
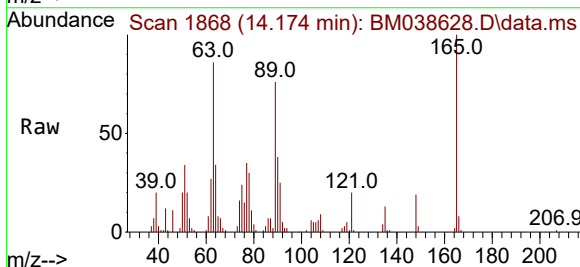
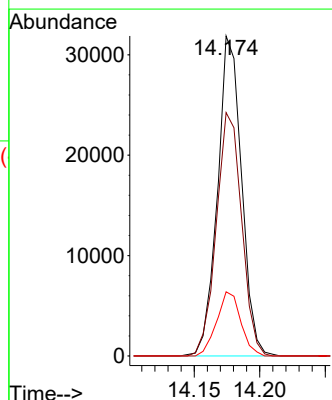
Tgt Ion:165 Resp: 40622

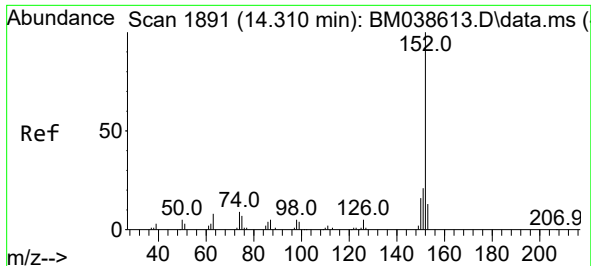
Ion Ratio Lower Upper

165 100

89 76.0 66.7 100.1

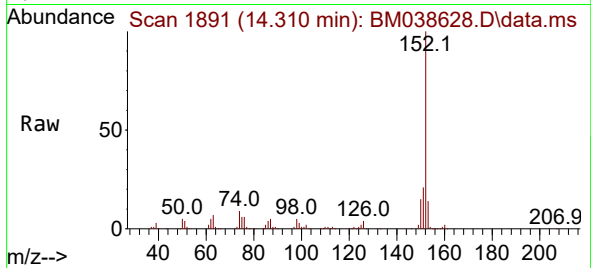
121 20.0 18.2 27.4



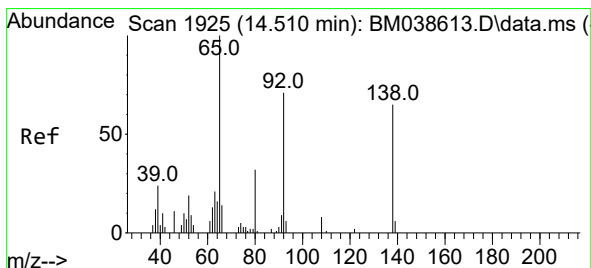
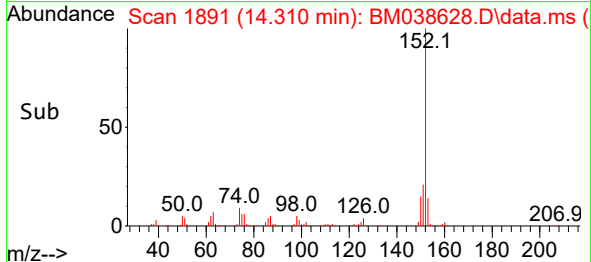
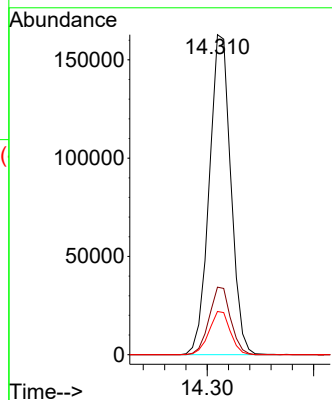


#50
Acenaphthylene
Concen: 31.423 ng/ul
RT: 14.310 min Scan# 1891
Delta R.T. -0.006 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

Instrument :
BNA_M
ClientSampleId :

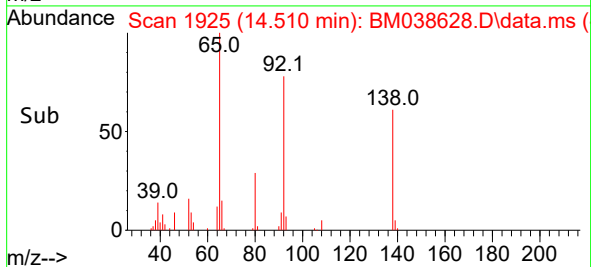
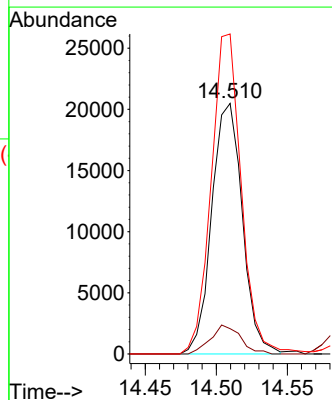
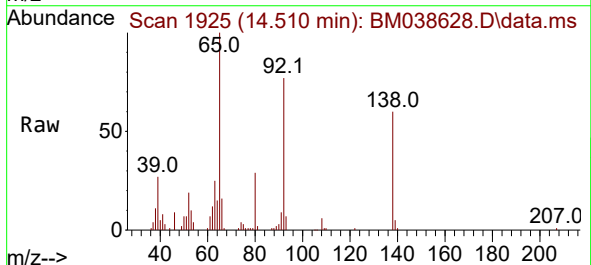


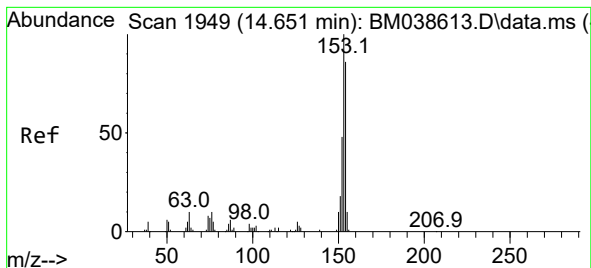
Tgt Ion:152 Resp: 229106
Ion Ratio Lower Upper
152 100
151 21.1 17.7 26.5
153 13.5 10.6 16.0



#51
3-Nitroaniline
Concen: 34.191 ng/ul
RT: 14.510 min Scan# 1925
Delta R.T. -0.000 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

Tgt Ion:138 Resp: 30729
Ion Ratio Lower Upper
138 100
108 10.1 8.2 12.4
92 127.7 94.2 141.4





#52

Acenaphthene

Concen: 32.022 ng/ul

RT: 14.651 min Scan# 1949

Delta R.T. -0.006 min

Lab File: BM038628.D

Acq: 31 Jan 2023 20:25

Instrument :

BNA_M

ClientSampleId :

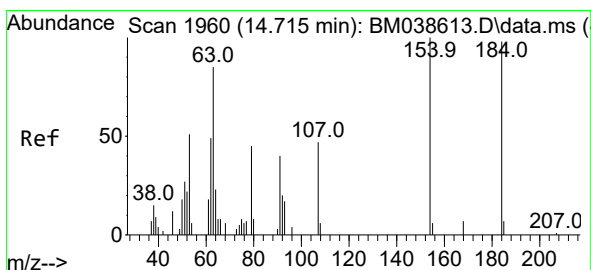
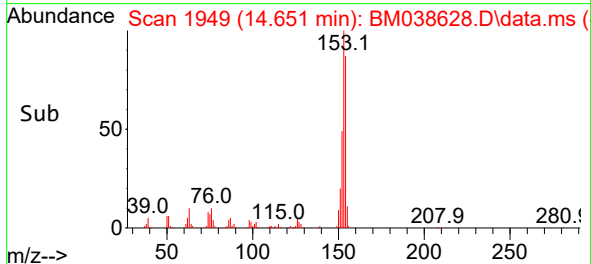
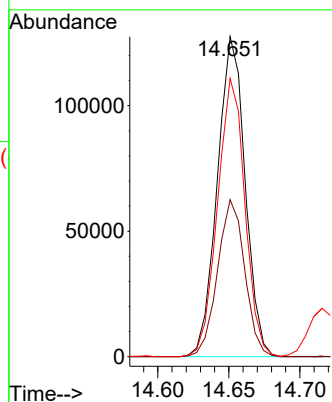
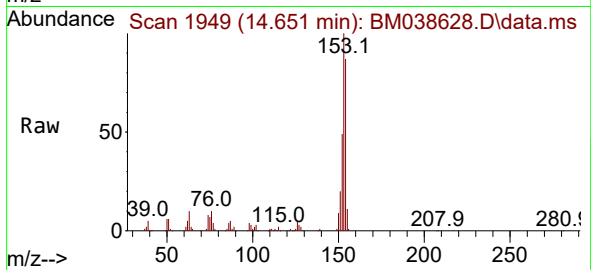
Tgt Ion:153 Resp: 173784

Ion Ratio Lower Upper

153 100

152 49.0 40.6 61.0

154 87.0 68.7 103.1



#53

2,4-Dinitrophenol

Concen: 30.977 ng/ul

RT: 14.716 min Scan# 1960

Delta R.T. -0.006 min

Lab File: BM038628.D

Acq: 31 Jan 2023 20:25

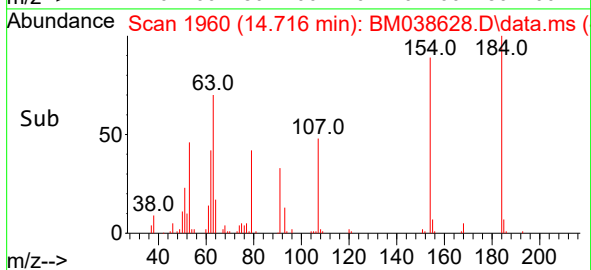
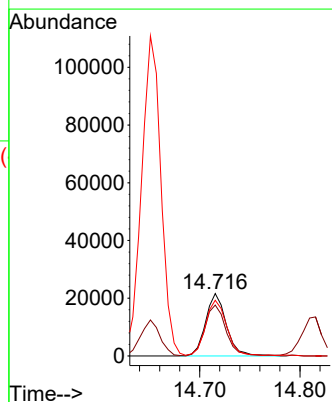
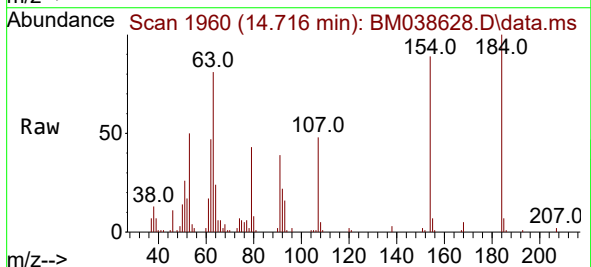
Tgt Ion:184 Resp: 31093

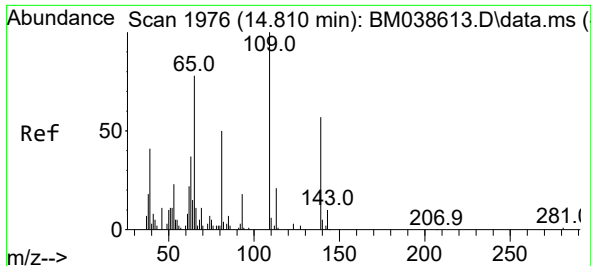
Ion Ratio Lower Upper

184 100

63 81.5 59.7 89.5

154 89.1 79.6 119.4

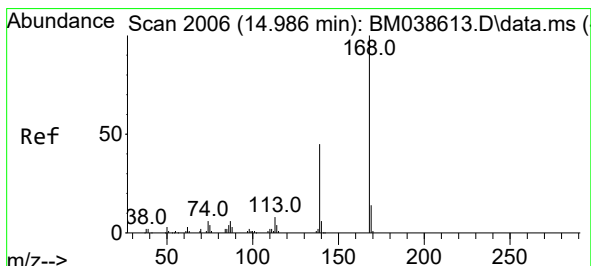
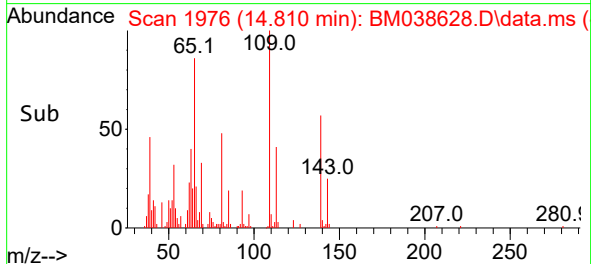
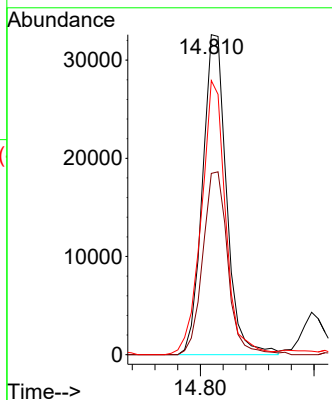
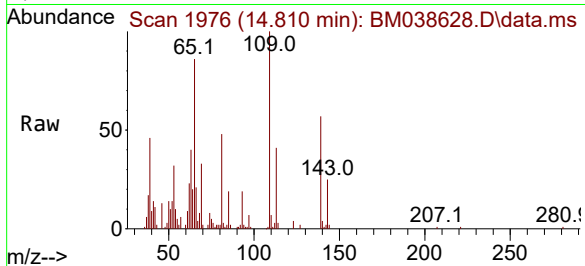




#55
4-Nitrophenol
Concen: 30.044 ng/ul
RT: 14.810 min Scan# 1976
Delta R.T. -0.006 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

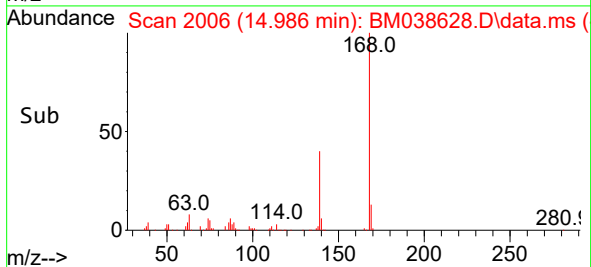
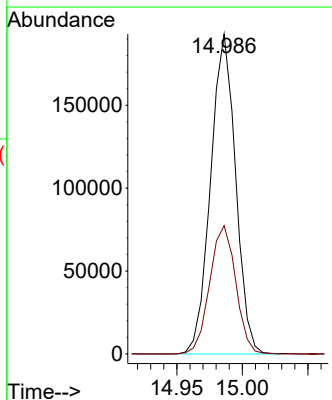
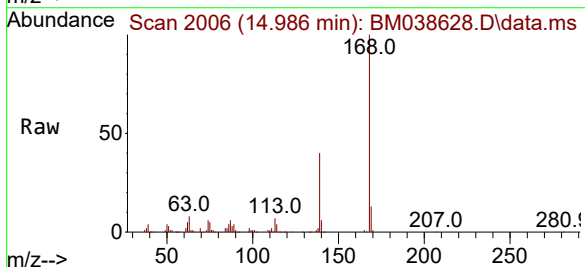
Instrument :
BNA_M
ClientSampleId :

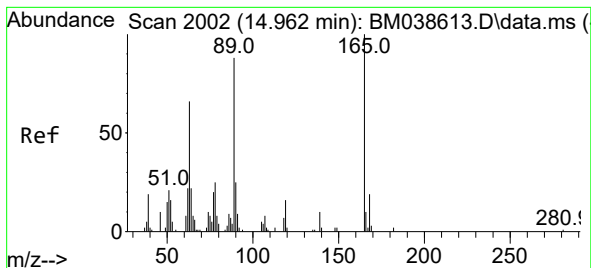
Tgt Ion:109 Resp: 47774
Ion Ratio Lower Upper
109 100
139 56.6 41.3 61.9
65 85.6 63.4 95.2



#56
Dibenzofuran
Concen: 31.694 ng/ul
RT: 14.986 min Scan# 2006
Delta R.T. -0.000 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

Tgt Ion:168 Resp: 255819
Ion Ratio Lower Upper
168 100
139 40.1 35.4 53.0





#57

2,4-Dinitrotoluene

Concen: 32.292 ng/ul

RT: 14.963 min Scan# 2002

Delta R.T. -0.000 min

Lab File: BM038628.D

Acq: 31 Jan 2023 20:25

Instrument :

BNA_M

ClientSampleId :

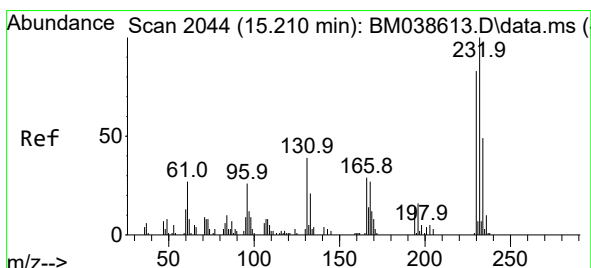
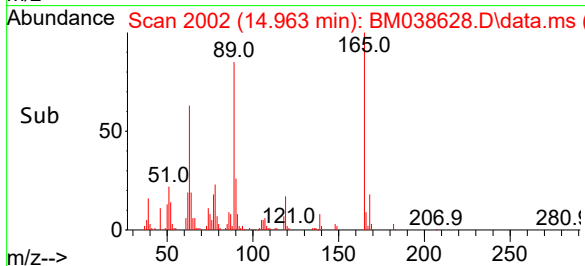
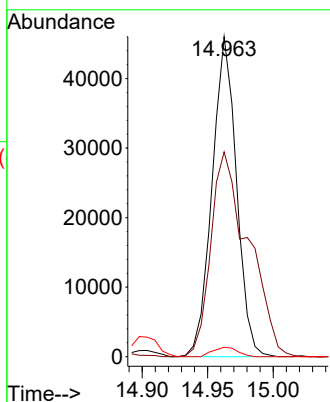
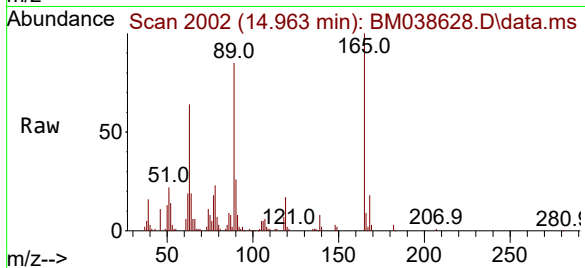
Tgt Ion:165 Resp: 59428

Ion Ratio Lower Upper

165 100

63 64.0 53.1 79.7

182 3.0 2.8 4.2



#58

2,3,4,6-Tetrachlorophenol

Concen: 27.067 ng/ul

RT: 15.210 min Scan# 2044

Delta R.T. -0.006 min

Lab File: BM038628.D

Acq: 31 Jan 2023 20:25

Tgt Ion:232 Resp: 62912

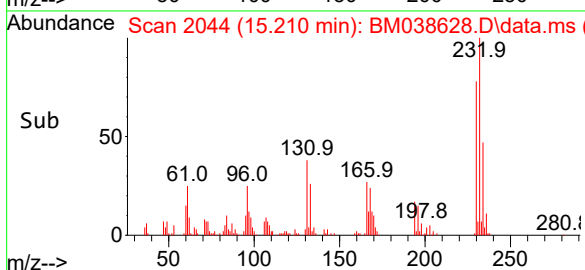
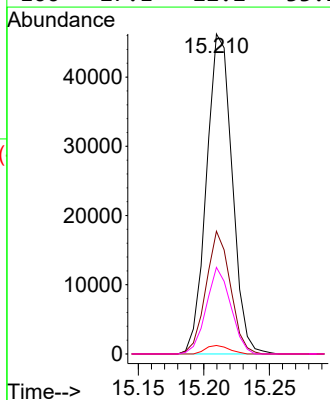
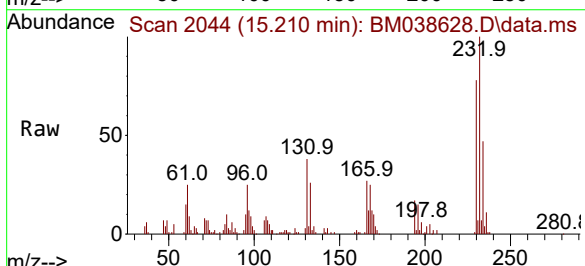
Ion Ratio Lower Upper

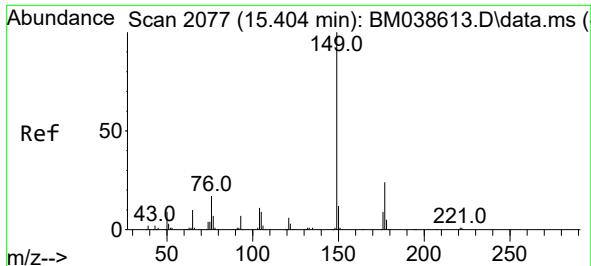
232 100

131 38.4 30.4 45.6

130 2.7 2.4 3.6

166 27.1 22.2 33.2





#59

Diethylphthalate

Concen: 32.822 ng/ul

RT: 15.404 min Scan# 2077

Delta R.T. -0.000 min

Lab File: BM038628.D

Acq: 31 Jan 2023 20:25

Instrument :

BNA_M

ClientSampleId :

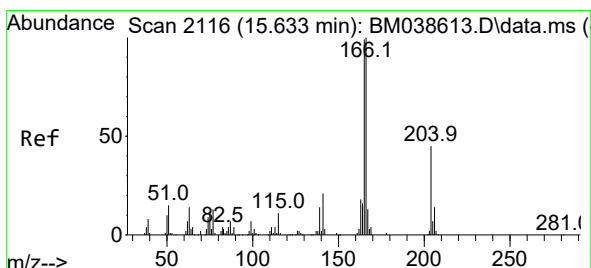
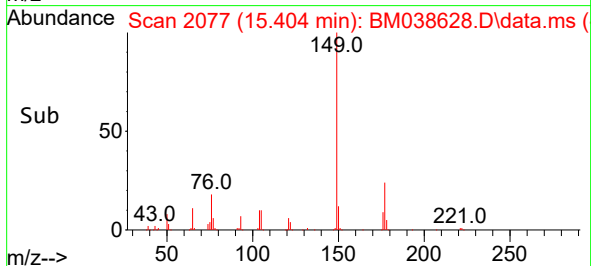
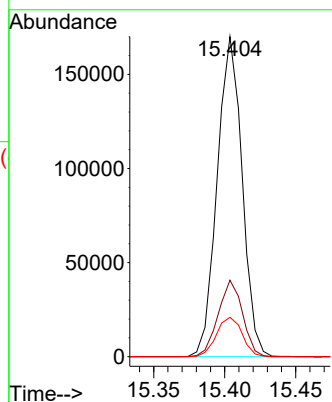
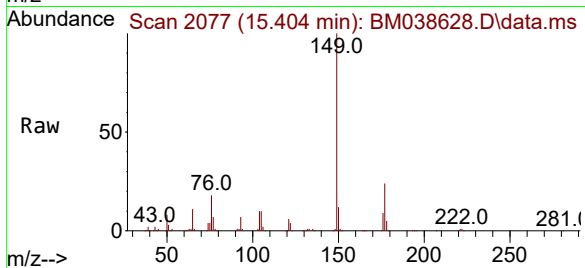
Tgt Ion:149 Resp: 207441

Ion Ratio Lower Upper

149 100

177 23.9 18.0 27.0

150 12.3 10.4 15.6



#61

Fluorene

Concen: 33.160 ng/ul

RT: 15.633 min Scan# 2116

Delta R.T. -0.006 min

Lab File: BM038628.D

Acq: 31 Jan 2023 20:25

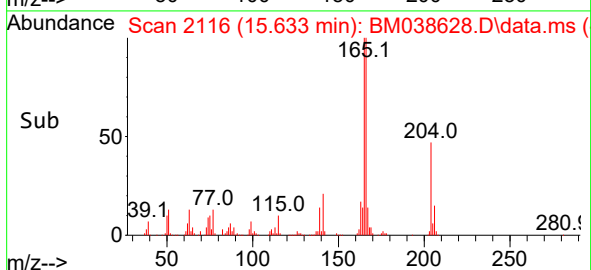
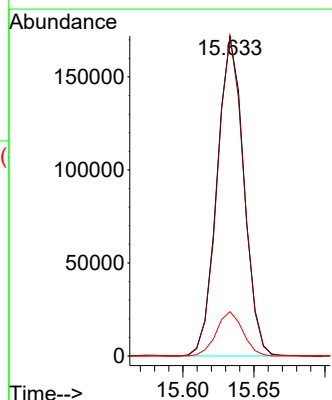
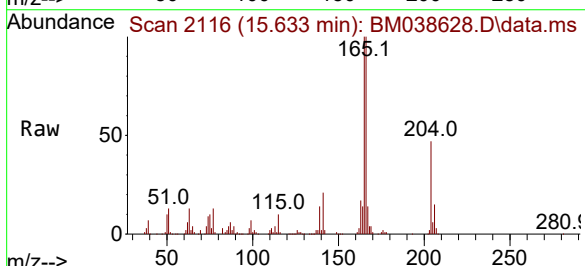
Tgt Ion:166 Resp: 225417

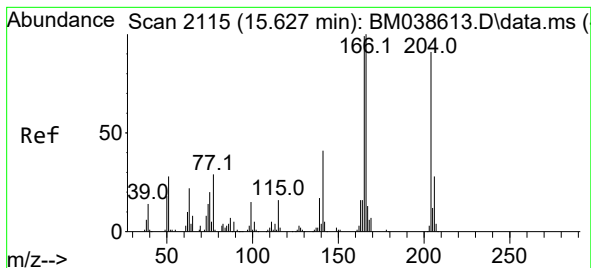
Ion Ratio Lower Upper

166 100

165 100.3 83.3 124.9

167 13.9 10.6 16.0

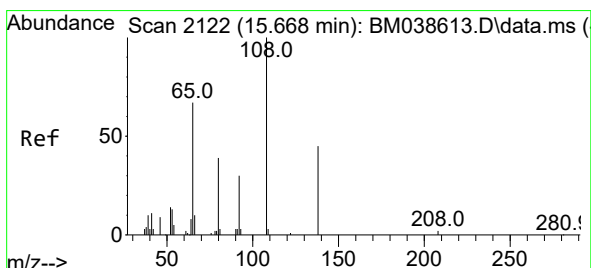
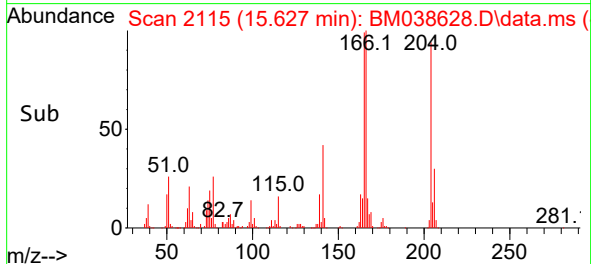
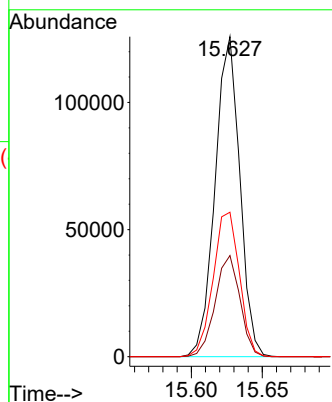
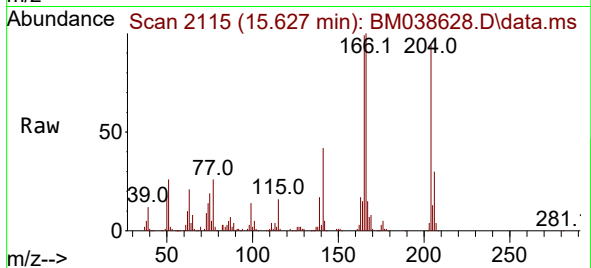




#62
4-Chlorophenyl-phenylether
Concen: 31.912 ng/ul
RT: 15.627 min Scan# 2115
Delta R.T. -0.000 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

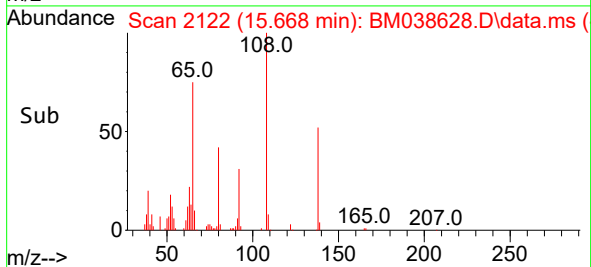
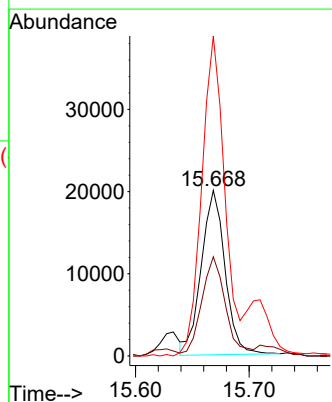
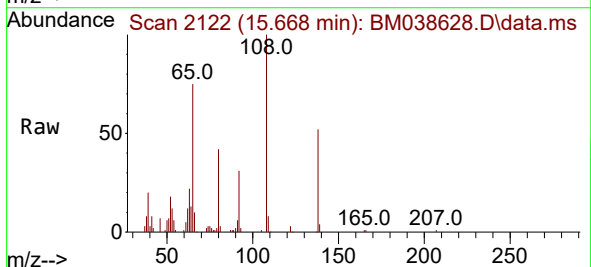
Instrument :
BNA_M
ClientSampleId :

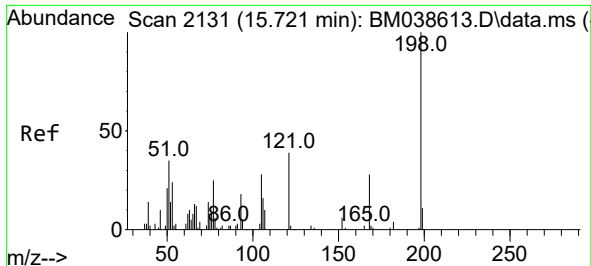
Tgt Ion:204 Resp: 152640
Ion Ratio Lower Upper
204 100
206 31.6 27.9 41.9
141 45.1 41.4 62.0



#63
4-Nitroaniline
Concen: 39.206 ng/ul
RT: 15.668 min Scan# 2122
Delta R.T. -0.000 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

Tgt Ion:138 Resp: 29051
Ion Ratio Lower Upper
138 100
92 59.9 51.9 77.9
108 193.3 156.2 234.4

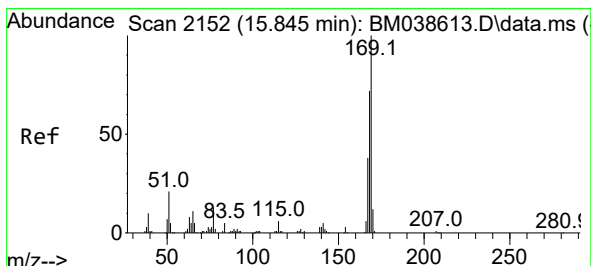
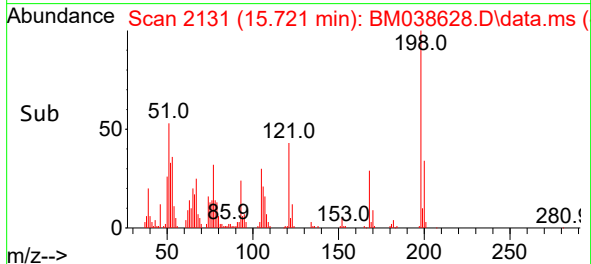
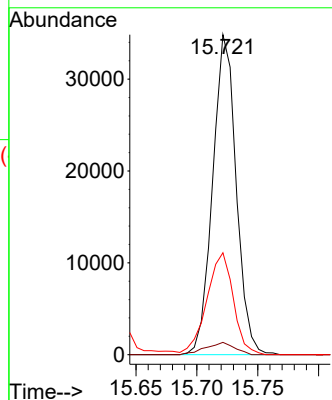
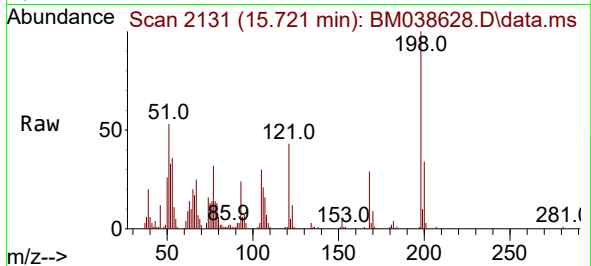




#66
4,6-Dinitro-2-methylphenol
Concen: 31.050 ng/ul
RT: 15.721 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

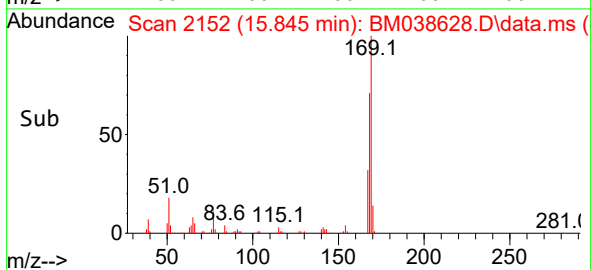
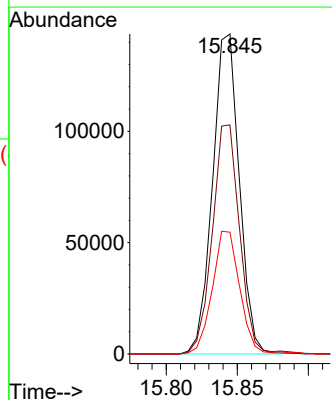
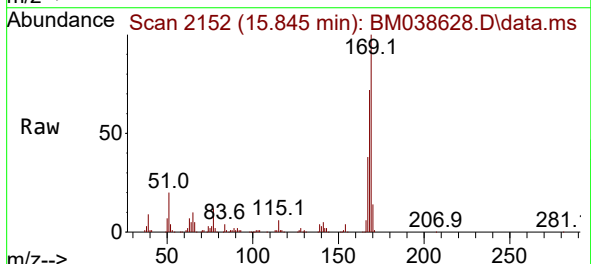
Instrument :
BNA_M
ClientSampleId :

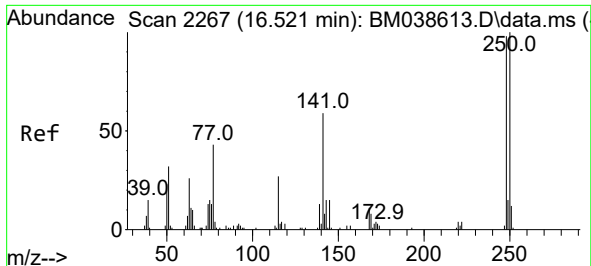
Tgt Ion:198 Resp: 46834
Ion Ratio Lower Upper
198 100
182 3.8 2.7 4.1
77 31.9 23.9 35.9



#67
N-Nitrosodiphenylamine
Concen: 35.714 ng/ul
RT: 15.845 min Scan# 2152
Delta R.T. -0.000 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

Tgt Ion:169 Resp: 188006
Ion Ratio Lower Upper
169 100
168 71.6 59.1 88.7
167 38.1 31.6 47.4

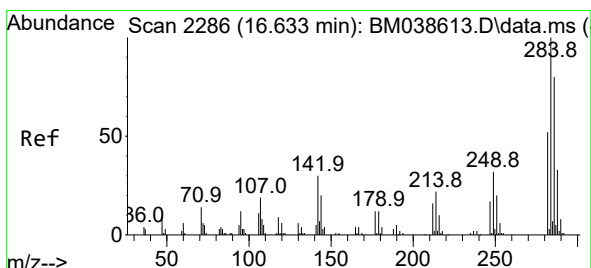
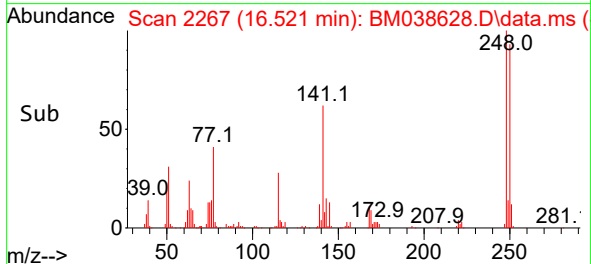
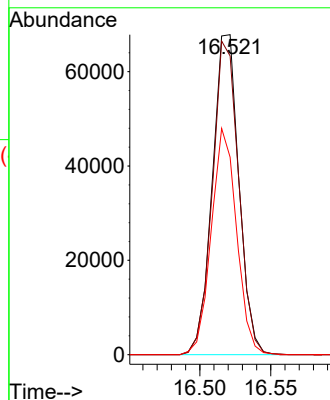
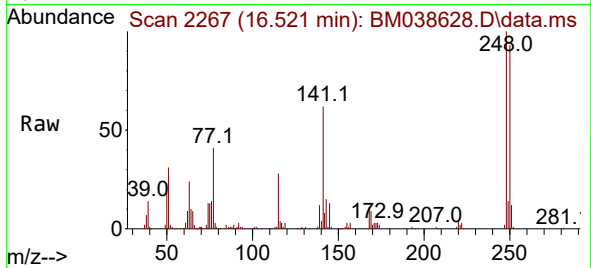




#68
4-Bromophenyl-phenylether
Concen: 33.540 ng/ul
RT: 16.521 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

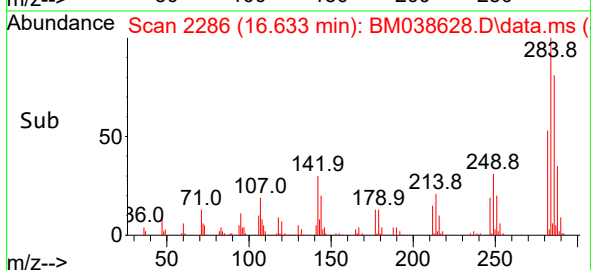
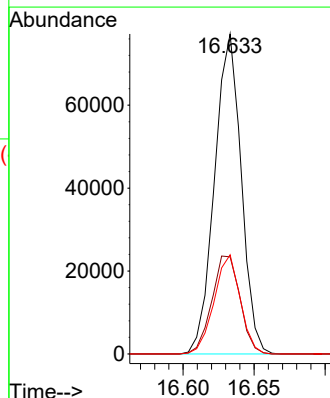
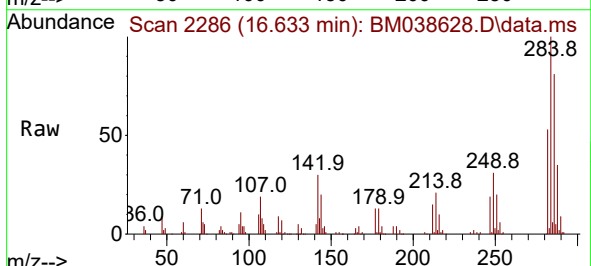
Instrument :
BNA_M
ClientSampleId :

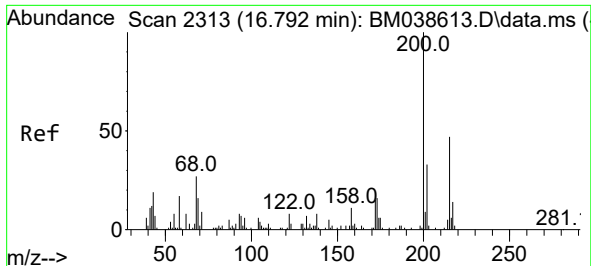
Tgt Ion:248 Resp: 88241
Ion Ratio Lower Upper
248 100
250 93.4 77.8 116.6
141 61.7 52.3 78.5



#69
Hexachlorobenzene
Concen: 32.814 ng/ul
RT: 16.633 min Scan# 2286
Delta R.T. -0.000 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

Tgt Ion:284 Resp: 100777
Ion Ratio Lower Upper
284 100
142 30.4 28.0 42.0
249 31.0 23.9 35.9

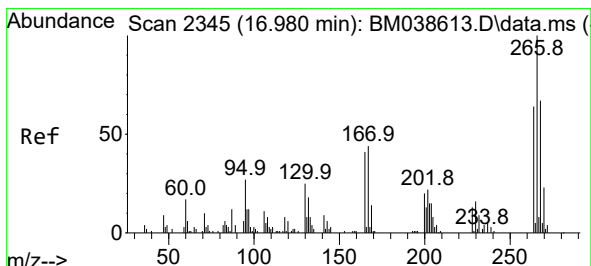
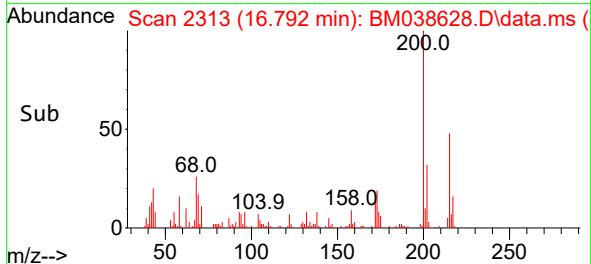
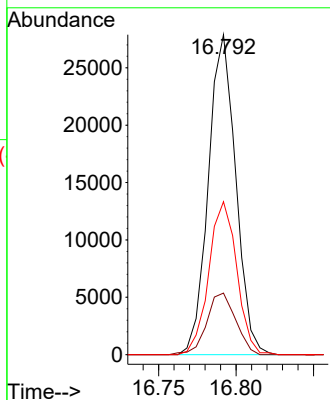
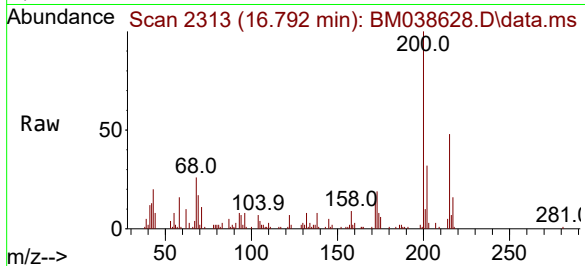




#70
Atrazine
Concen: 12.979 ng/ul
RT: 16.792 min Scan# 21
Delta R.T. -0.000 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

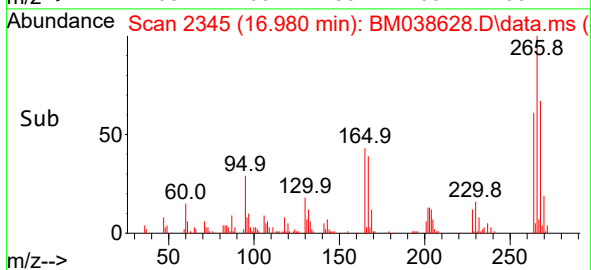
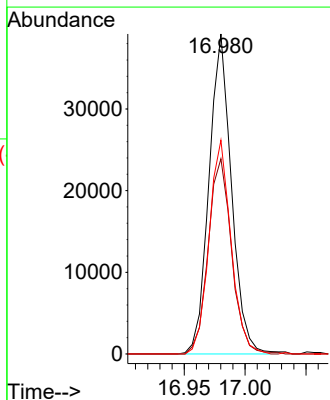
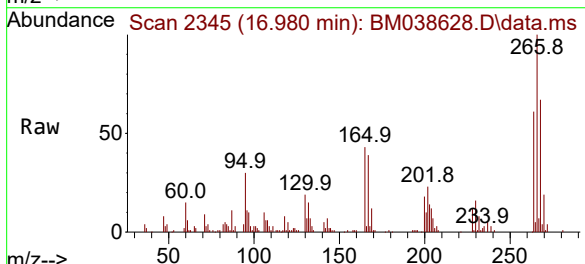
Instrument :
BNA_M
ClientSampleId :

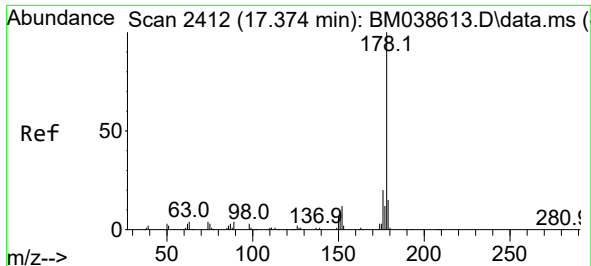
Tgt Ion:200 Resp: 34282
Ion Ratio Lower Upper
200 100
173 19.3 15.2 22.8
215 47.8 36.6 54.8



#71
Pentachlorophenol
Concen: 25.619 ng/ul
RT: 16.980 min Scan# 2345
Delta R.T. -0.000 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

Tgt Ion:266 Resp: 50330
Ion Ratio Lower Upper
266 100
264 61.0 47.2 70.8
268 66.8 45.8 68.6

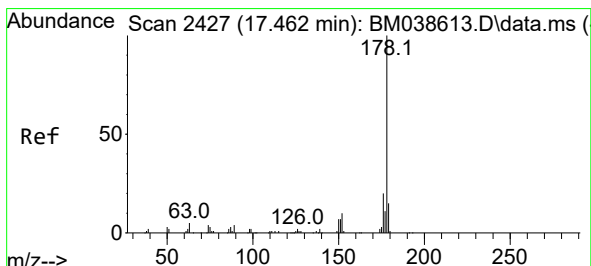
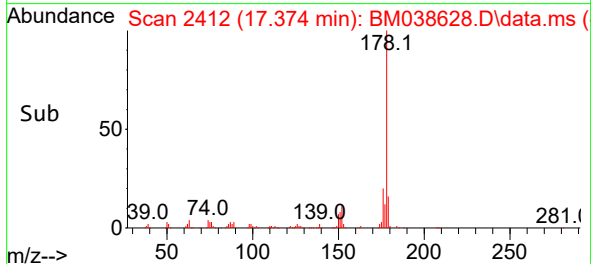
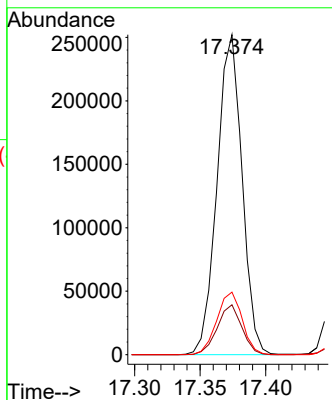
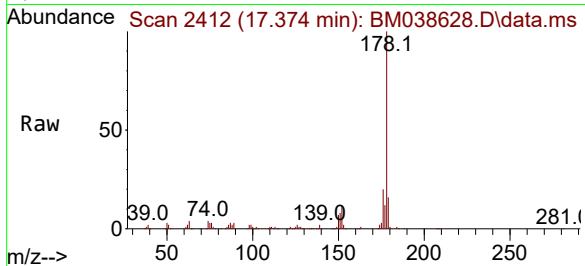




#72
Phenanthrene
Concen: 34.231 ng/ul
RT: 17.374 min Scan# 2412
Delta R.T. -0.000 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

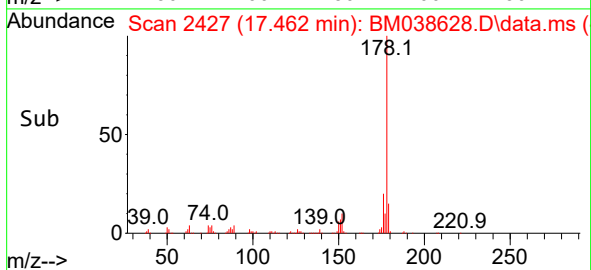
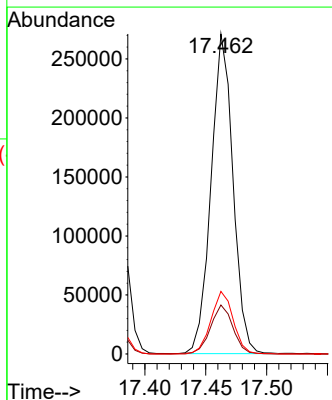
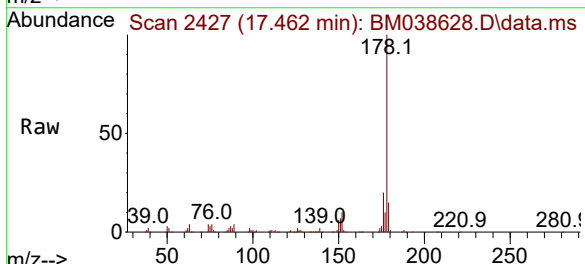
Instrument :
BNA_M
ClientSampleId :

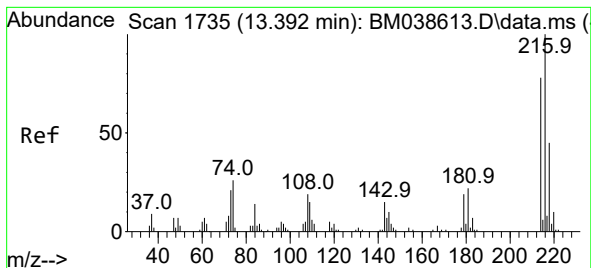
Tgt Ion:178 Resp: 334021
Ion Ratio Lower Upper
178 100
179 15.6 11.7 17.5
176 19.5 16.2 24.2



#74
Anthracene
Concen: 33.193 ng/ul
RT: 17.462 min Scan# 2427
Delta R.T. -0.006 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

Tgt Ion:178 Resp: 339162
Ion Ratio Lower Upper
178 100
179 15.3 12.3 18.5
176 19.5 16.3 24.5

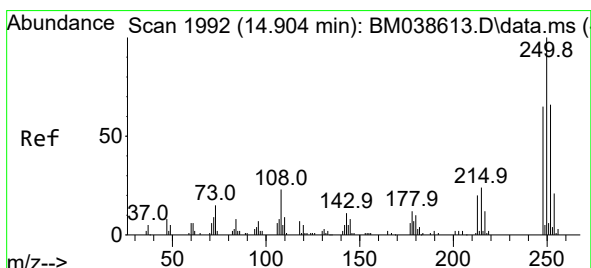
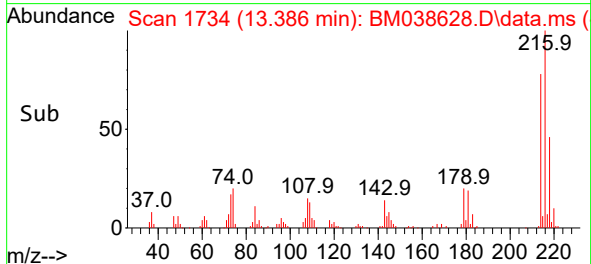
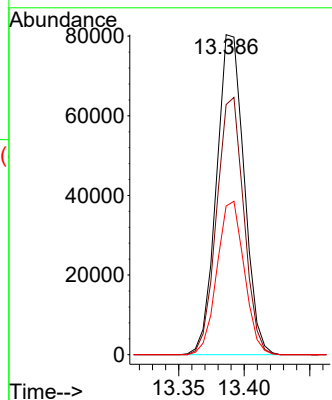
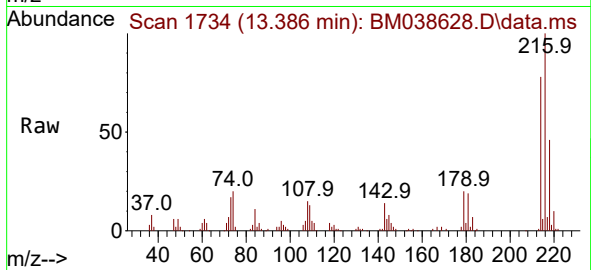




#75
1,2,3,4-Tetrachlorobenzene
Concen: 32.776 ng/uL
RT: 13.386 min Scan# 1734
Delta R.T. -0.006 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

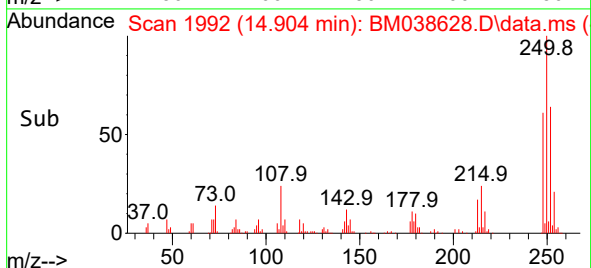
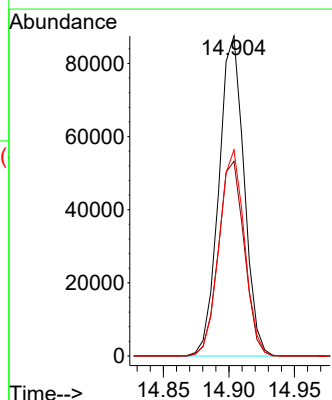
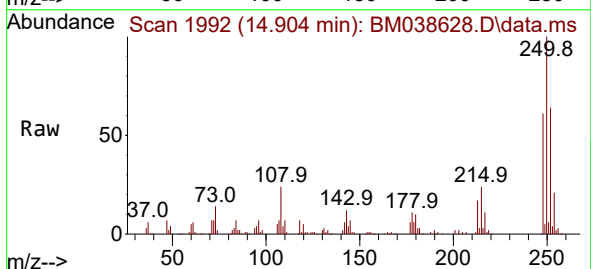
Instrument :
BNA_M
ClientSampleId :

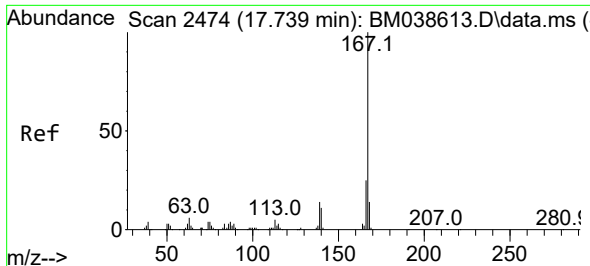
Tgt Ion:216 Resp: 117626
Ion Ratio Lower Upper
216 100
214 78.1 62.5 93.7
218 46.5 37.4 56.0



#76
Pentachlorobenzene
Concen: 31.264 ng/uL
RT: 14.904 min Scan# 1992
Delta R.T. -0.000 min
Lab File: BM038628.D
Acq: 31 Jan 2023 20:25

Tgt Ion:250 Resp: 116750
Ion Ratio Lower Upper
250 100
248 60.8 50.6 75.8
252 64.4 51.3 76.9

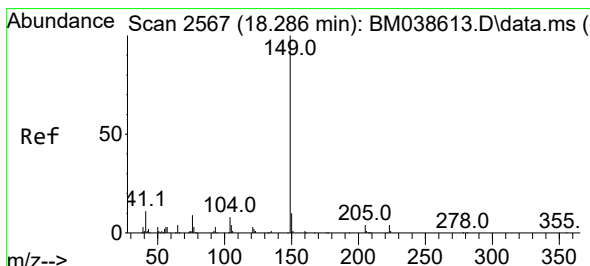
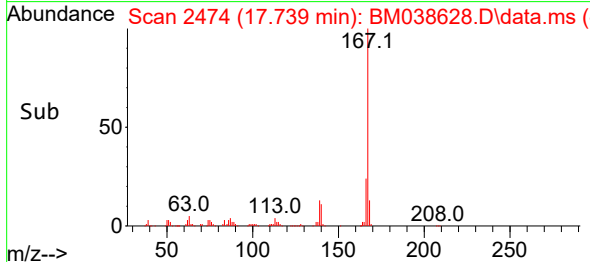
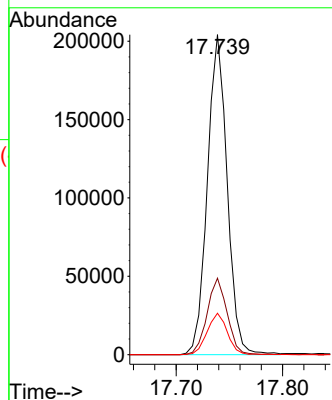
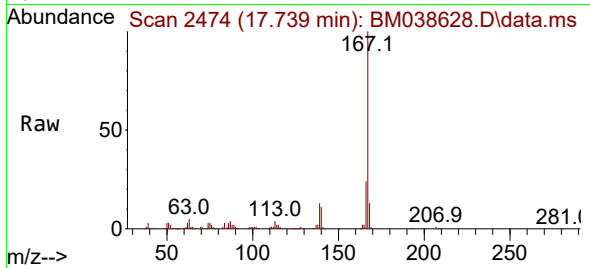




#77
 Carbazole
 Concen: 29.739 ng/ul
 RT: 17.739 min Scan# 2474
 Delta R.T. -0.000 min
 Lab File: BM038628.D
 Acq: 31 Jan 2023 20:25

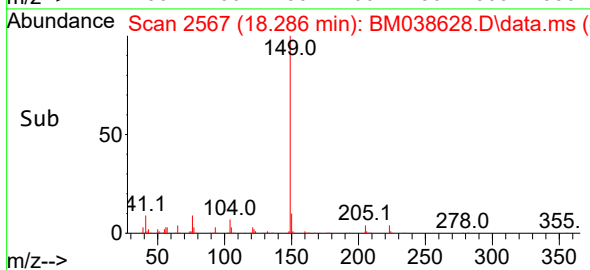
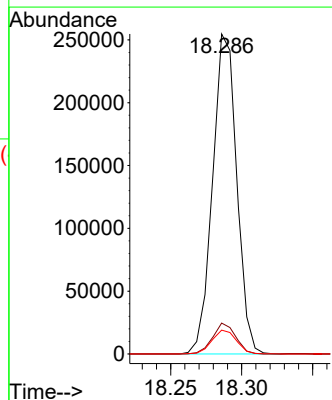
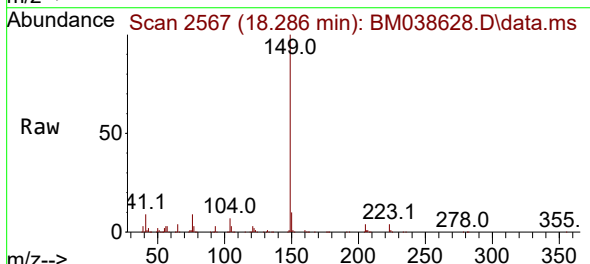
Instrument :
 BNA_M
 ClientSampleId :

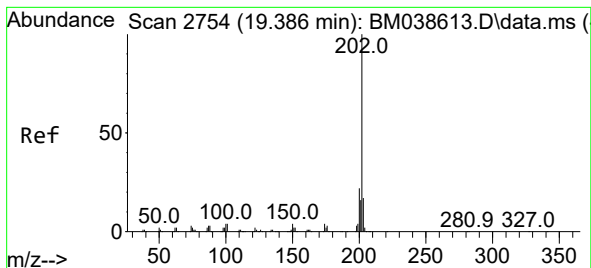
Tgt Ion:167 Resp: 263766
 Ion Ratio Lower Upper
 167 100
 166 23.9 19.5 29.3
 139 13.0 11.3 16.9



#78
 Di-n-butylphthalate
 Concen: 35.108 ng/ul
 RT: 18.286 min Scan# 2567
 Delta R.T. -0.006 min
 Lab File: BM038628.D
 Acq: 31 Jan 2023 20:25

Tgt Ion:149 Resp: 301258
 Ion Ratio Lower Upper
 149 100
 150 9.6 7.2 10.8
 104 7.4 6.2 9.4





#80

Fluoranthene

Concen: 36.670 ng/ul

RT: 19.386 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM038628.D

Acq: 31 Jan 2023 20:25

Instrument :

BNA_M

ClientSampleId :

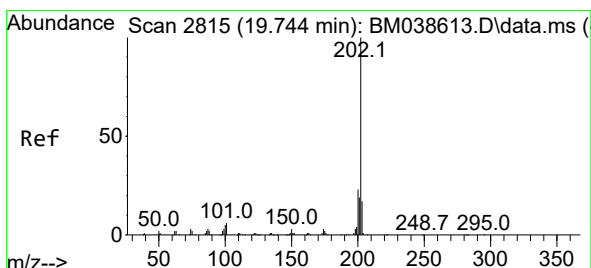
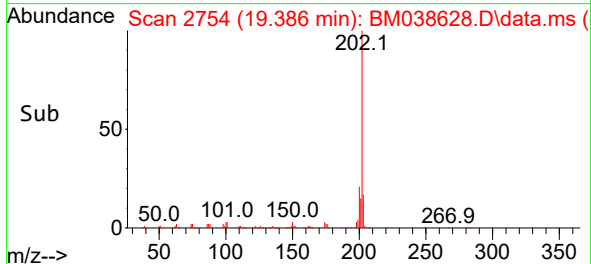
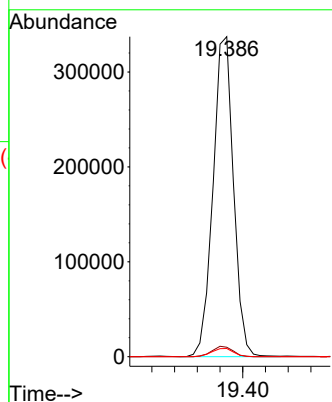
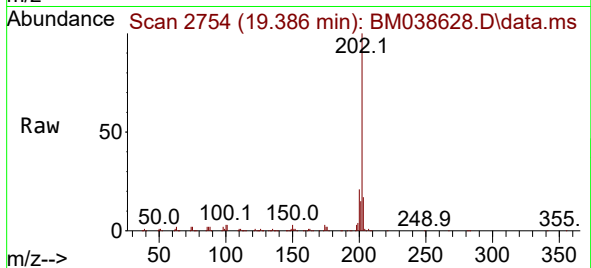
Tgt Ion:202 Resp: 422282

Ion Ratio Lower Upper

202 100

101 3.0 2.8 4.2

100 2.6 2.4 3.6



#82

Pyrene

Concen: 35.323 ng/ul

RT: 19.745 min Scan# 2815

Delta R.T. -0.006 min

Lab File: BM038628.D

Acq: 31 Jan 2023 20:25

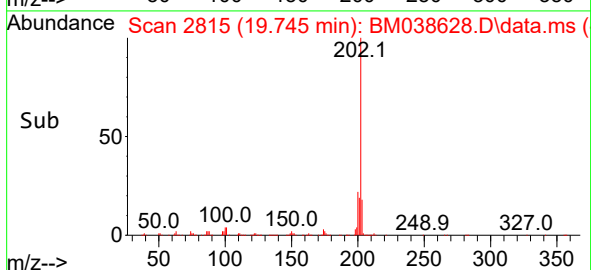
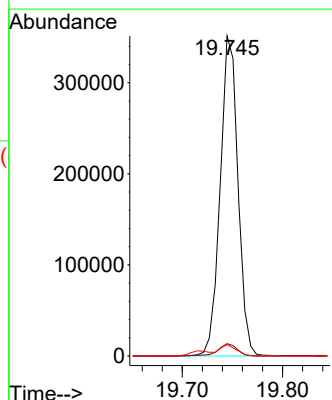
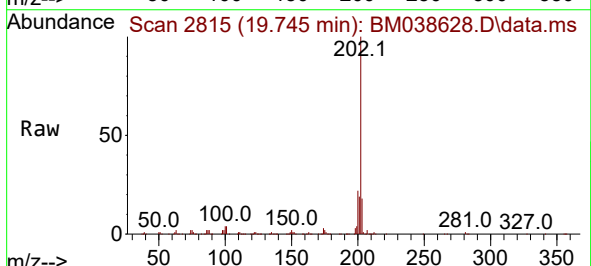
Tgt Ion:202 Resp: 431672

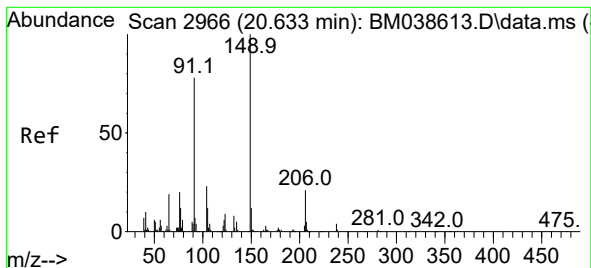
Ion Ratio Lower Upper

202 100

101 3.9 3.3 4.9

100 3.5 2.8 4.2





#83

Butylbenzylphthalate

Concen: 35.384 ng/ul

RT: 20.633 min Scan# 2966

Delta R.T. -0.006 min

Lab File: BM038628.D

Acq: 31 Jan 2023 20:25

Instrument :

BNA_M

ClientSampleId :

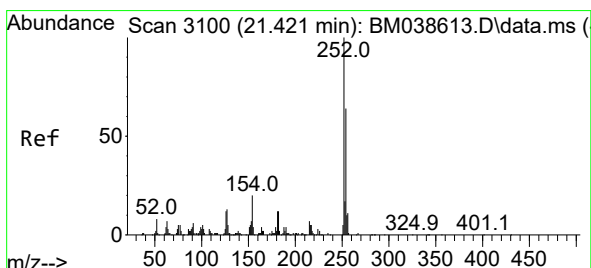
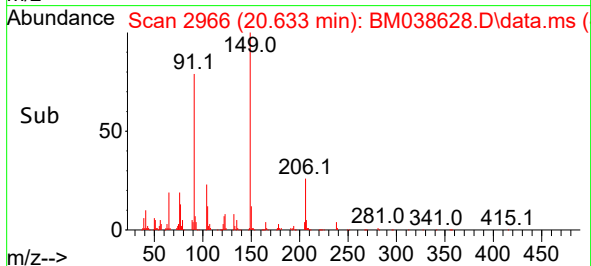
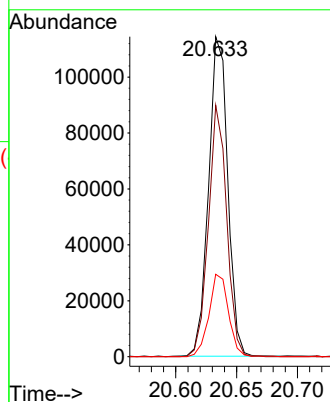
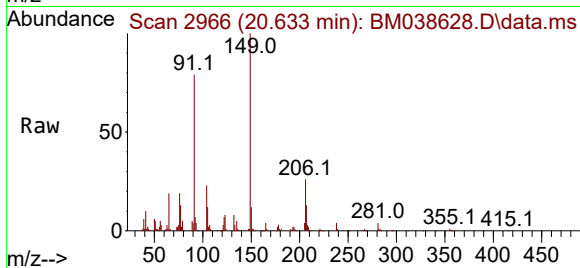
Tgt Ion:149 Resp: 124728

Ion Ratio Lower Upper

149 100

91 78.5 59.0 88.4

206 25.7 19.0 28.6



#84

3,3'-Dichlorobenzidine

Concen: 32.466 ng/ul

RT: 21.427 min Scan# 3101

Delta R.T. -0.000 min

Lab File: BM038628.D

Acq: 31 Jan 2023 20:25

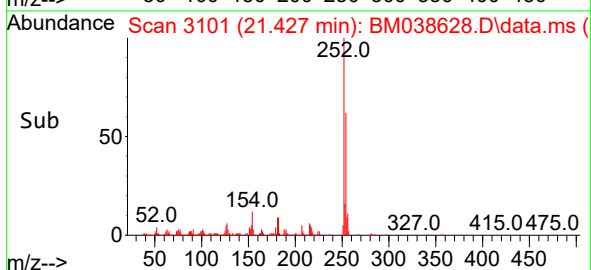
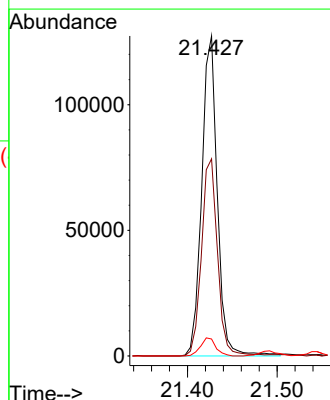
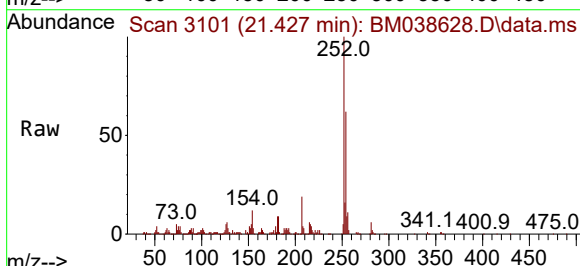
Tgt Ion:252 Resp: 153779

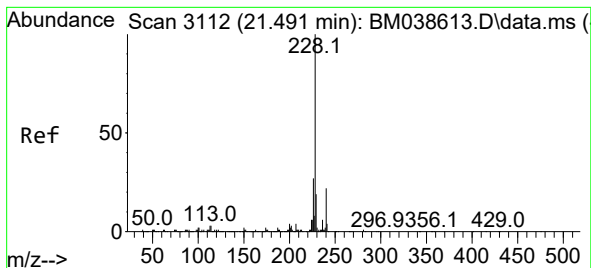
Ion Ratio Lower Upper

252 100

254 61.6 52.7 79.1

126 5.3 5.0 7.4





#85

Benzo(a)anthracene

Concen: 32.620 ng/ul

RT: 21.492 min Scan# 3112

Delta R.T. -0.000 min

Lab File: BM038628.D

Acq: 31 Jan 2023 20:25

Instrument :

BNA_M

ClientSampleId :

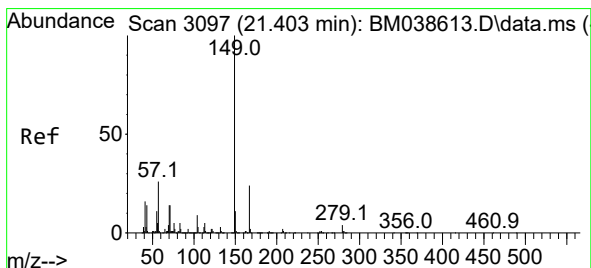
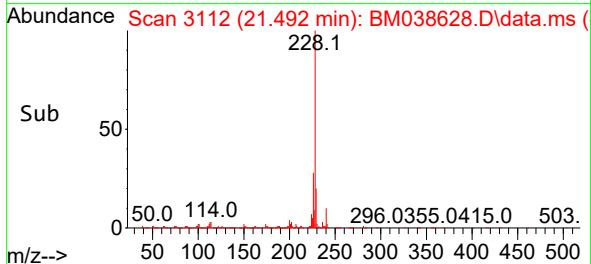
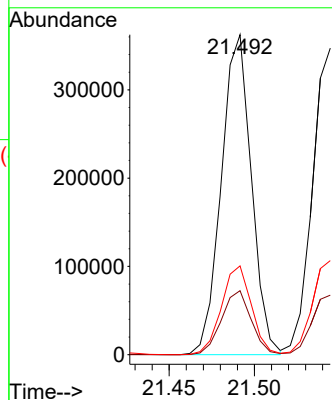
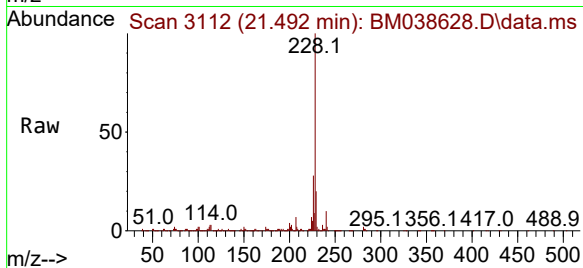
Tgt Ion:228 Resp: 445540

Ion Ratio Lower Upper

228 100

229 20.0 15.8 23.6

226 27.8 22.2 33.4



#86

Bis(2-ethylhexyl)phthalate

Concen: 34.245 ng/ul

RT: 21.403 min Scan# 3097

Delta R.T. -0.000 min

Lab File: BM038628.D

Acq: 31 Jan 2023 20:25

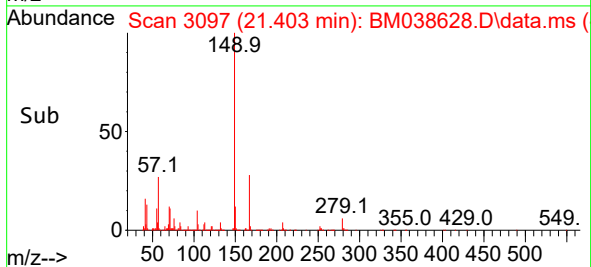
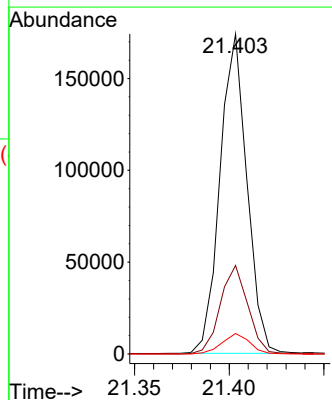
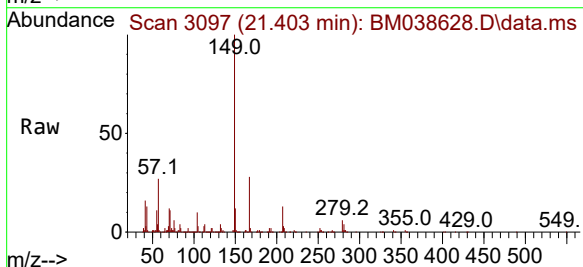
Tgt Ion:149 Resp: 171763

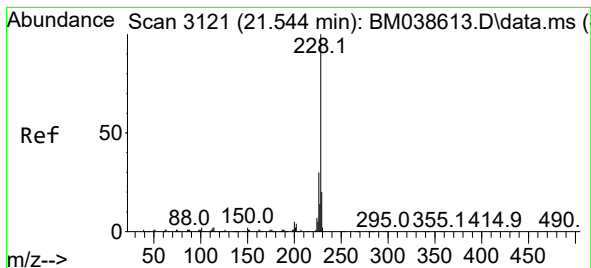
Ion Ratio Lower Upper

149 100

167 27.6 21.0 31.4

279 6.4 5.1 7.7





#87

Chrysene

Concen: 33.119 ng/ul

RT: 21.544 min Scan# 3121

Delta R.T. -0.000 min

Lab File: BM038628.D

Acq: 31 Jan 2023 20:25

Instrument :

BNA_M

ClientSampleId :

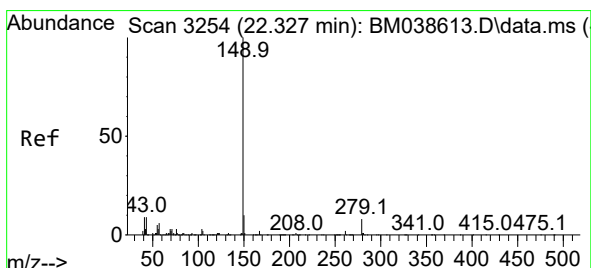
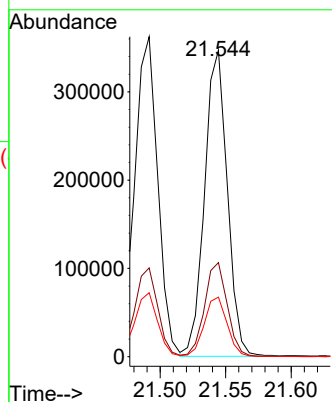
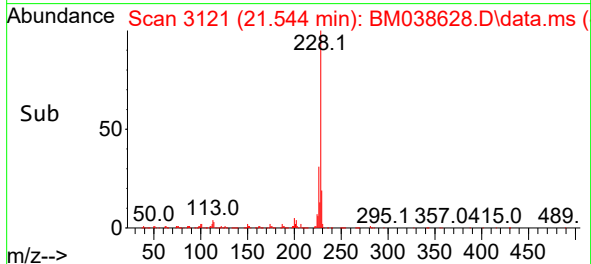
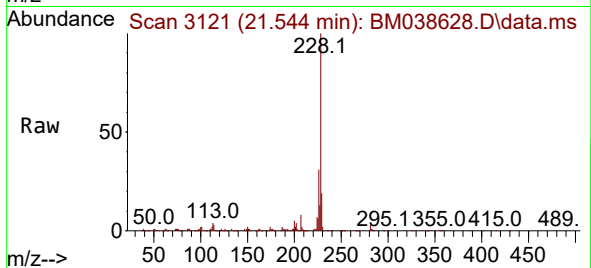
Tgt Ion:228 Resp: 418693

Ion Ratio Lower Upper

228 100

226 30.7 24.5 36.7

229 19.4 15.6 23.4



#89

Di-n-octyl phthalate

Concen: 29.442 ng/ul

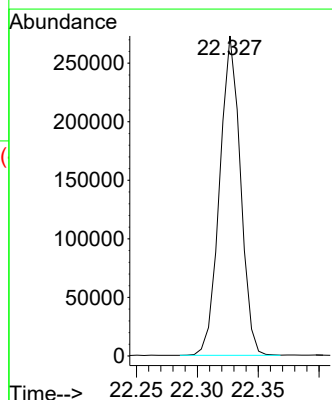
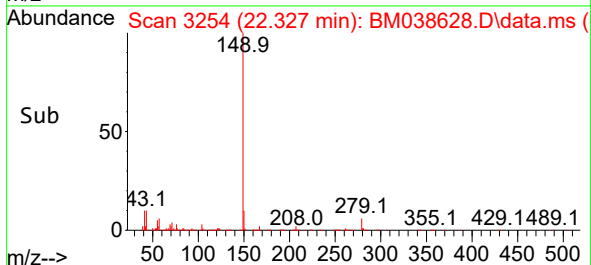
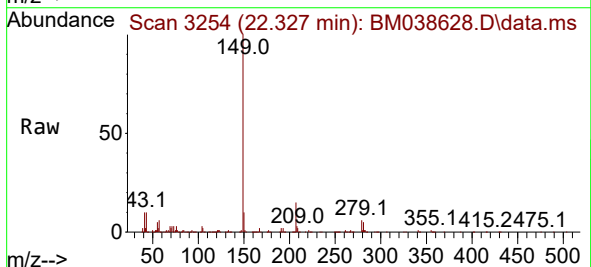
RT: 22.327 min Scan# 3254

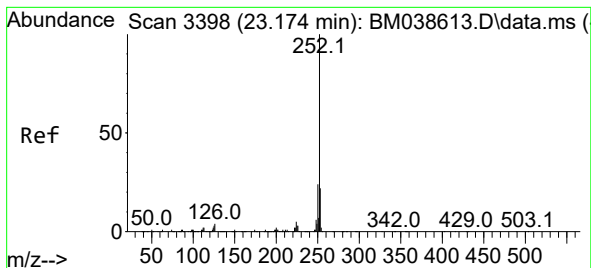
Delta R.T. -0.006 min

Lab File: BM038628.D

Acq: 31 Jan 2023 20:25

Tgt Ion:149 Resp: 323976





#90

Benzo(b)fluoranthene

Concen: 34.973 ng/ul

RT: 23.174 min Scan# 3398

Delta R.T. -0.006 min

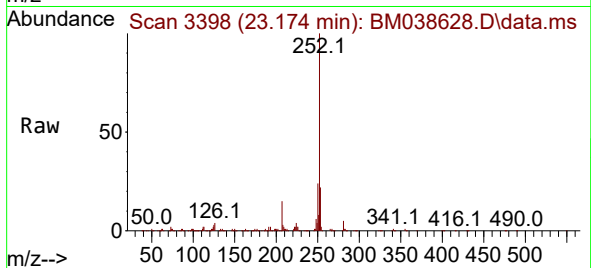
Lab File: BM038628.D

Acq: 31 Jan 2023 20:25

Instrument :

BNA_M

ClientSampleId :



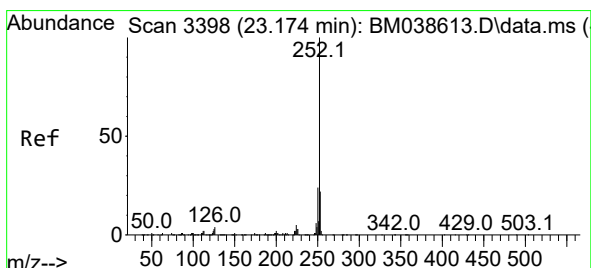
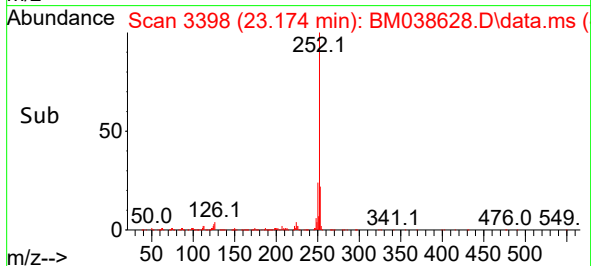
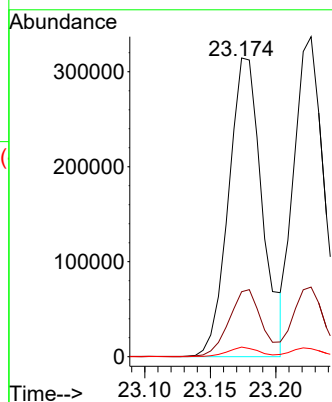
Tgt Ion:252 Resp: 561777

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

125 3.2 2.6 3.8



#91

Benzo(k)fluoranthene

Concen: 35.086 ng/ul

RT: 23.174 min Scan# 3398

Delta R.T. -0.053 min

Lab File: BM038628.D

Acq: 31 Jan 2023 20:25

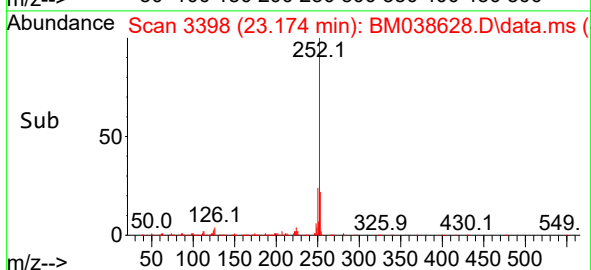
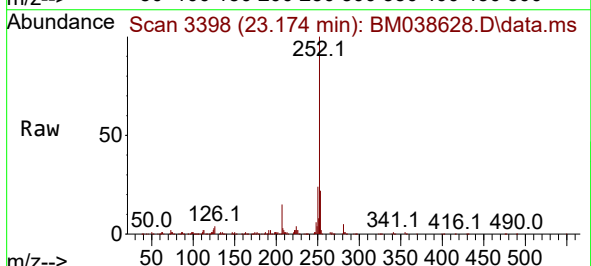
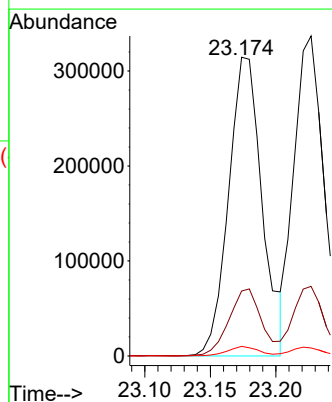
Tgt Ion:252 Resp: 561777

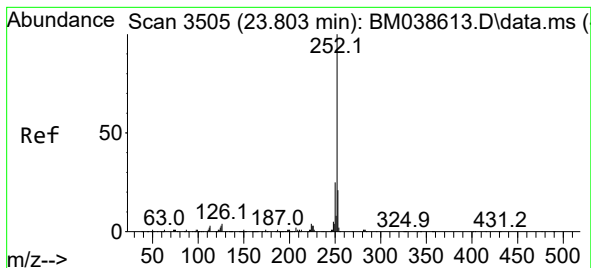
Ion Ratio Lower Upper

252 100

253 21.8 18.2 27.2

125 3.2 2.6 4.0





#93

Benzo(a)pyrene

Concen: 33.739 ng/ul

RT: 23.809 min Scan# 3

Delta R.T. -0.000 min

Lab File: BM038628.D

Acq: 31 Jan 2023 20:25

Instrument :

BNA_M

ClientSampleId :

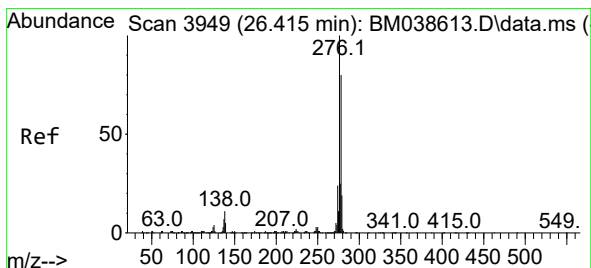
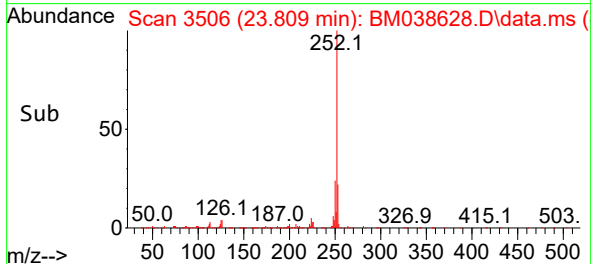
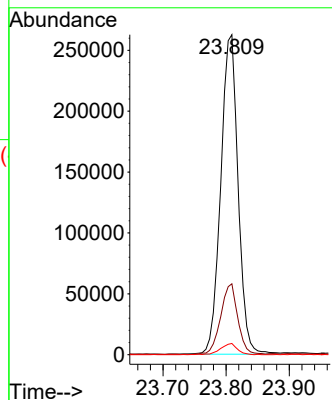
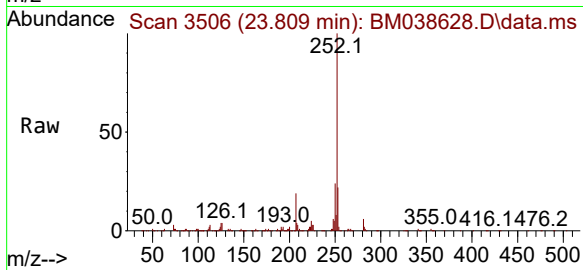
Tgt Ion:252 Resp: 501891

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.8

125 3.5 2.8 4.2



#94

Indeno(1,2,3-cd)pyrene

Concen: 31.482 ng/ul

RT: 26.421 min Scan# 3950

Delta R.T. -0.000 min

Lab File: BM038628.D

Acq: 31 Jan 2023 20:25

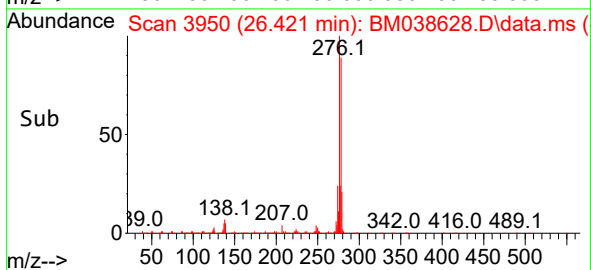
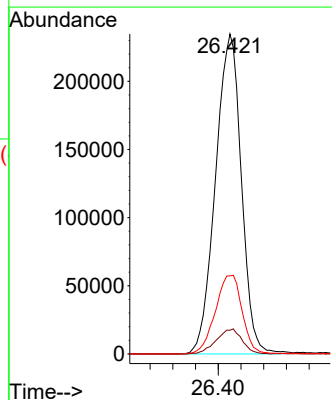
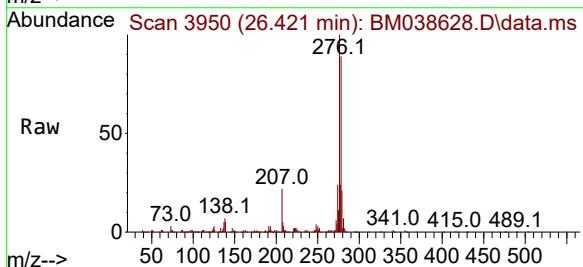
Tgt Ion:276 Resp: 740263

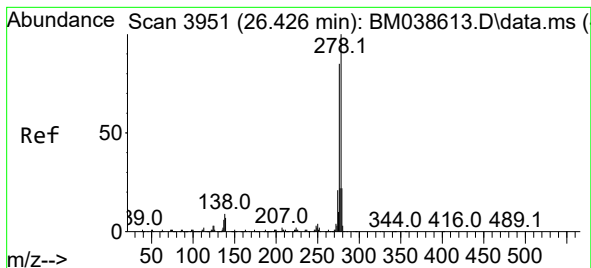
Ion Ratio Lower Upper

276 100

138 7.4 6.1 9.1

277 24.4 20.5 30.7





#95

Dibenzo(a,h)anthracene

Concen: 32.815 ng/ul

RT: 26.432 min Scan# 3951

Delta R.T. -0.000 min

Lab File: BM038628.D

Acq: 31 Jan 2023 20:25

Instrument :

BNA_M

ClientSampleId :

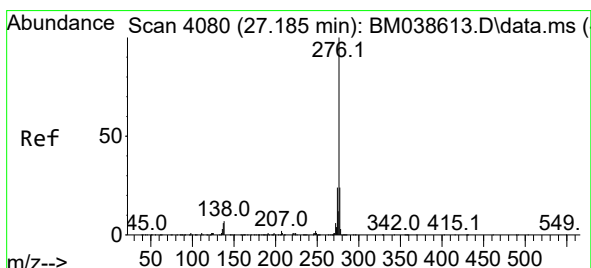
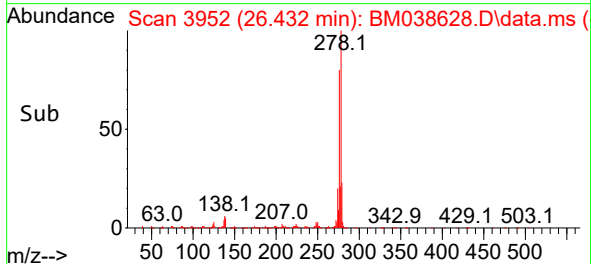
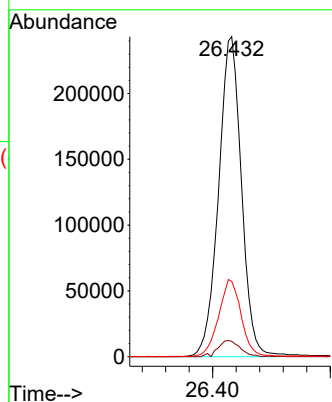
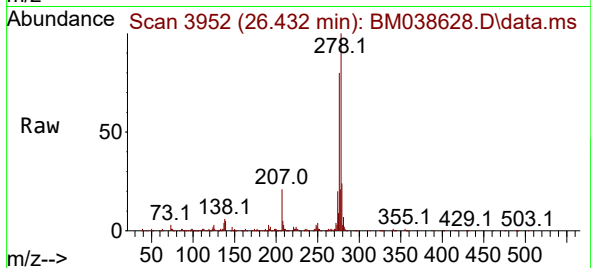
Tgt Ion:278 Resp: 654874

Ion Ratio Lower Upper

278 100

139 4.8 4.3 6.5

279 23.6 18.9 28.3



#96

Benzo(g,h,i)perylene

Concen: 32.816 ng/ul

RT: 27.191 min Scan# 4081

Delta R.T. -0.006 min

Lab File: BM038628.D

Acq: 31 Jan 2023 20:25

Tgt Ion:276 Resp: 626307

Ion Ratio Lower Upper

276 100

138 7.2 6.0 9.0

277 24.4 19.2 28.8

