

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121823\
 Data File : BM043389.D
 Acq On : 18 Dec 2023 12:40
 Operator : MA/JU
 Sample : 05626-06MS
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCLF3MS

Quant Time: Dec 19 00:26:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM121523.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 15 22:09:25 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.993	152	400018	20.000	ng/u1	0.00
20) Naphthalene-d8	10.804	136	1677548	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.627	164	849457	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.374	188	1483367	20.000	ng/u1	0.01
79) Chrysene-d12	21.550	240	1197368	20.000	ng/u1	0.01
88) Perylene-d12	23.980	264	1237520	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.387	96	75823	6.160	ng/uL	0.00
4) Pyridine-d5	3.805	84	1116310	31.513	ng/u1	0.00
7) Phenol-d5	7.157	99	1566501	34.425	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.334	67	1000003	34.699	ng/u1	0.00
11) 2-Chlorophenol-d4	7.522	132	1205318	34.691	ng/u1	0.00
15) 4-Methylphenol-d8	8.710	113	1183641	33.520	ng/u1	0.00
21) Nitrobenzene-d5	9.169	128	592947	36.533	ng/u1	0.00
24) 2-Nitrophenol-d4	9.887	143	618721	36.894	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.422	165	1062116	35.877	ng/u1	0.00
31) 4-Chloroaniline-d4	10.945	131	1375225	31.576	ng/u1	0.00
46) Dimethylphthalate-d6	14.045	166	2694816	35.241	ng/u1	0.00
49) Acenaphthylene-d8	14.322	160	3311743	36.508	ng/u1	0.00
54) 4-Nitrophenol-d4	14.833	143	512474	35.409	ng/u1	0.01
60) Fluorene-d10	15.616	176	2230383	35.272	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.745	200	339077	34.563	ng/u1	0.01
73) Anthracene-d10	17.480	188	2975880	35.772	ng/u1	0.02
81) Pyrene-d10	19.756	212	3193875	33.786	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.821	264	2820687	36.936	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.422	88	182326	13.408	ng/uL	97
5) Pyridine	3.828	79	1367513	37.330	ng/u1	100
6) Benzaldehyde	7.140	77	894213	41.444	ng/u1	99
8) Phenol	7.187	94	1756107	39.226	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.428	93	1421255	39.105	ng/u1	99
12) 2-Chlorophenol	7.557	128	1366580	38.611	ng/u1	98
13) 2-Methylphenol	8.440	108	1288464	37.903	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.522	45	2398690	39.302	ng/u1	99
16) Acetophenone	8.828	105	2009759	37.175	ng/u1	100
17) N-Nitroso-di-n-propyla...	8.822	70	1129249	34.996	ng/u1	98
18) 4-Methylphenol	8.775	108	1381795	37.506	ng/u1	100
19) Hexachloroethane	9.069	117	587768	39.384	ng/u1	98
22) Nitrobenzene	9.210	77	1632249	40.636	ng/u1	97
23) Isophorone	9.739	82	3089590	37.918	ng/u1	99
25) 2-Nitrophenol	9.922	139	735529	41.268	ng/u1	98
26) 2,4-Dimethylphenol	9.981	107	1208514	38.064	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.228	93	1869293	38.853	ng/u1	100
29) 2,4-Dichlorophenol	10.451	162	1135173	39.512	ng/u1	100
30) Naphthalene	10.857	128	4791714	44.818	ng/u1	100
32) 4-Chloroaniline	10.969	127	1257041	30.015	ng/u1	100
33) Hexachlorobutadiene	11.128	225	596457	40.719	ng/u1	98
34) Caprolactam	11.769	113	402640	43.856	ng/u1	97
35) 4-Chloro-3-methylphenol	12.092	107	1266124	37.520	ng/u1	99
36) 2-Methylnaphthalene	12.463	142	3412097	46.884	ng/u1	99

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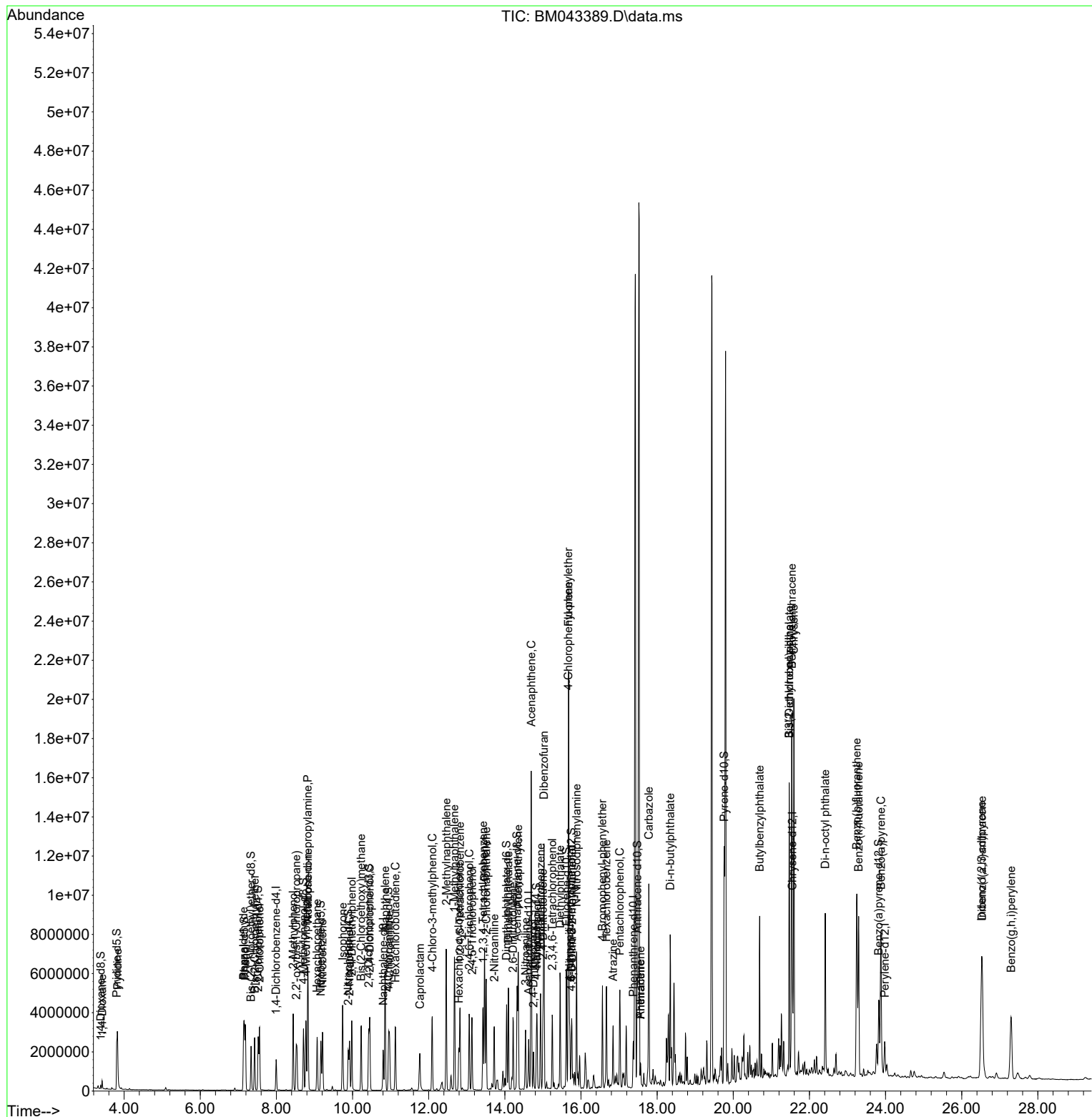
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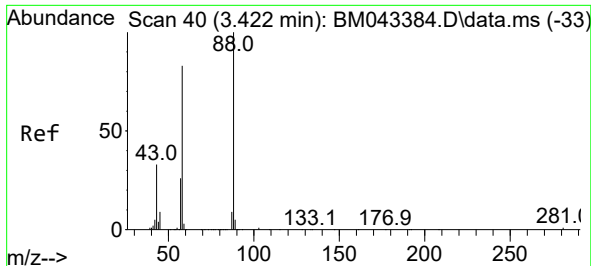
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.675	142	3163972	43.103	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.822	216	1117948	43.194	ng/ul	98
40) Hexachlorocyclopentadiene	12.792	237	504146	31.044	ng/ul	97
41) 2,4,6-Trichlorophenol	13.063	196	763040	41.475	ng/ul	96
42) 2,4,5-Trichlorophenol	13.139	196	814311	41.686	ng/ul	98
43) 1,1'-Biphenyl	13.469	154	3560264	43.968	ng/ul	99
44) 2-Chloronaphthalene	13.510	162	2599968	41.880	ng/ul	100
45) 2-Nitroaniline	13.722	65	880966	42.318	ng/ul	98
47) Dimethylphthalate	14.092	163	3015635	39.933	ng/ul	99
48) 2,6-Dinitrotoluene	14.216	165	616163	42.202	ng/ul	95
50) Acenaphthylene	14.351	152	4551911	43.697	ng/ul	98
51) 3-Nitroaniline	14.545	138	685051	40.872	ng/ul	97
52) Acenaphthene	14.692	153	6489859	94.529	ng/ul	98
53) 2,4-Dinitrophenol	14.751	184	302323	38.898	ng/ul	95
55) 4-Nitrophenol	14.845	109	470441	41.860	ng/ul	97
56) Dibenzofuran	15.027	168	7376212	83.190	ng/ul	100
57) 2,4-Dinitrotoluene	15.004	165	861183	41.749	ng/ul	99
58) 2,3,4,6-Tetrachlorophenol	15.245	232	562254	37.568	ng/ul	97
59) Diethylphthalate	15.451	149	3149945	40.702	ng/ul	99
61) Fluorene	15.674	166	7294437	96.297	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.669	204	1400319	42.027	ng/ul	99
63) 4-Nitroaniline	15.704	138	767574	50.033	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.763	198	427564	40.821	ng/ul	98
67) N-Nitrosodiphenylamine	15.886	169	2364422	41.498	ng/ul	99
68) 4-Bromophenyl-phenylether	16.563	248	737274	41.953	ng/ul	97
69) Hexachlorobenzene	16.668	284	817537	40.605	ng/ul	97
70) Atrazine	16.845	200	456704	36.569	ng/ul	99
71) Pentachlorophenol	17.015	266	472951	38.856	ng/ul	99
72) Phenanthrene	17.563	178	157748	1.569	ng/ul#	1
74) Anthracene	17.563	178	157769	1.555	ng/ul#	1
75) 1,2,3,4-Tetrachloroben...	13.427	216	1097788	45.064	ng/uL	99
76) Pentachlorobenzene	14.939	250	1000788	42.191	ng/uL	98
77) Carbazole	17.780	167	6123090	70.708	ng/ul	100
78) Di-n-butylphthalate	18.345	149	5262565	46.485	ng/ul	100
83) Butylbenzylphthalate	20.692	149	2250657	43.256	ng/ul	99
84) 3,3'-Dichlorobenzidine	21.468	252	1160149	39.341	ng/ul	98
85) Benzo(a)anthracene	21.539	228	9185162	91.738	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.468	149	3416657	46.124	ng/ul	99
87) Chrysene	21.592	228	8980710	99.704	ng/ul	96
89) Di-n-octyl phthalate	22.415	149	5718027	48.302	ng/ul	100
90) Benzo(b)fluoranthene	23.244	252	6917816	72.946	ng/ul	99
91) Benzo(k)fluoranthene	23.292	252	5136993	55.539	ng/ul	99
93) Benzo(a)pyrene	23.880	252	5285865	61.092	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.521	276	5271133	51.022	ng/ul	97
95) Dibenzo(a,h)anthracene	26.538	278	3976546	46.484	ng/ul	99
96) Benzo(g,h,i)perylene	27.297	276	4096938	50.589	ng/ul	100

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

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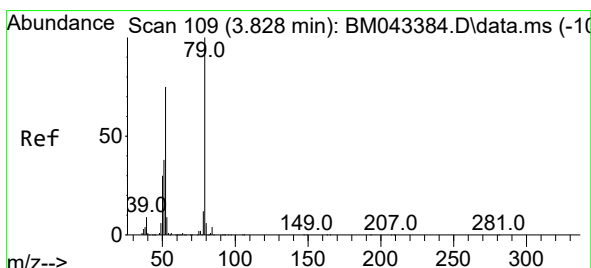
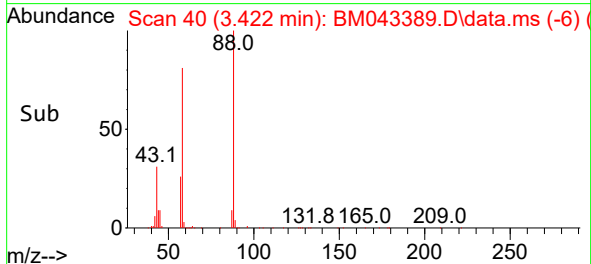
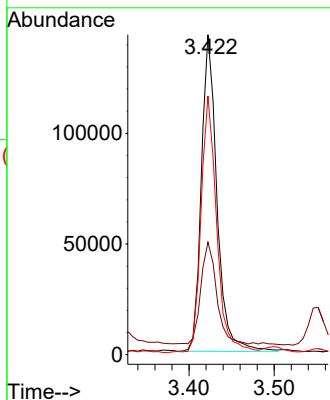
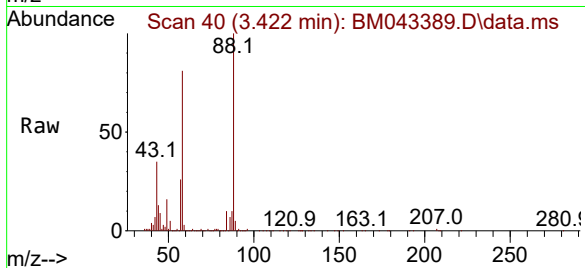




#2
1,4-Dioxane
Concen: 13.408 ng/uL
RT: 3.422 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

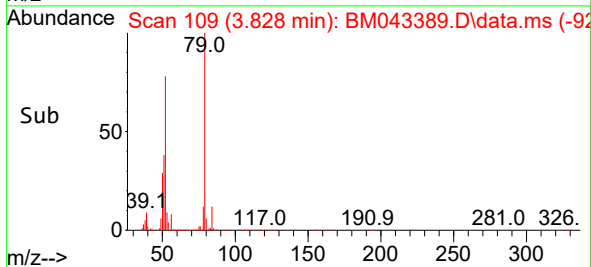
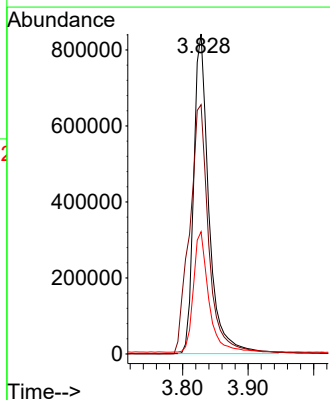
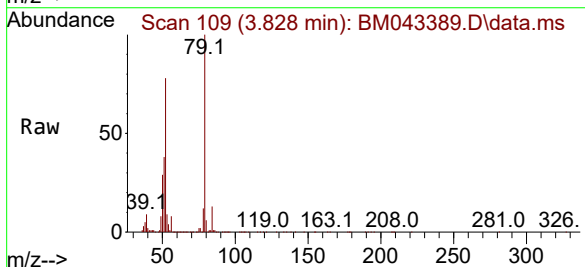
Instrument :
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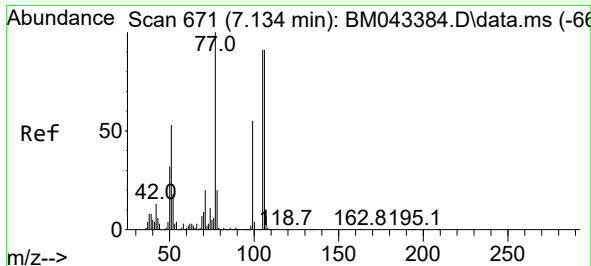
Tgt Ion: 88 Resp: 182326
Ion Ratio Lower Upper
88 100
43 35.1 26.3 39.5
58 80.8 63.1 94.7



#5
Pyridine
Concen: 37.330 ng/uL
RT: 3.828 min Scan# 109
Delta R.T. 0.000 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

Tgt Ion: 79 Resp: 1367513
Ion Ratio Lower Upper
79 100
52 77.9 62.4 93.6
51 38.2 30.6 45.8

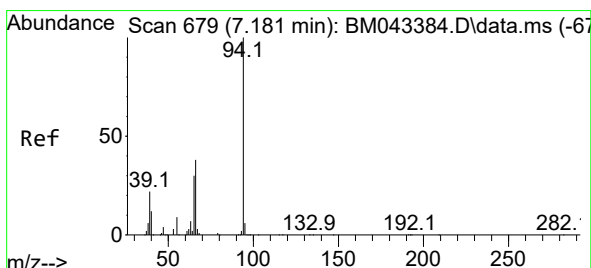
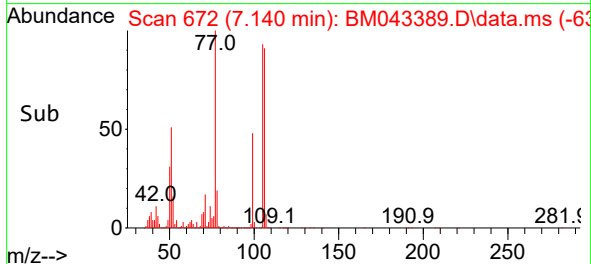
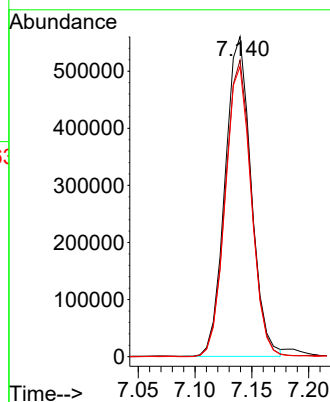
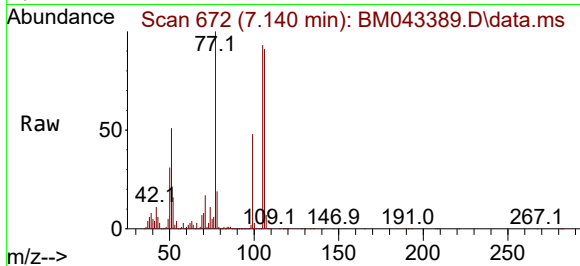




#6
Benzaldehyde
Concen: 41.444 ng/ul
RT: 7.140 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

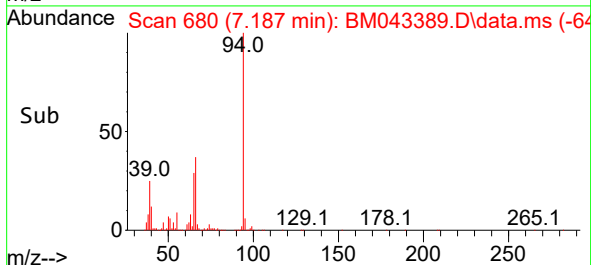
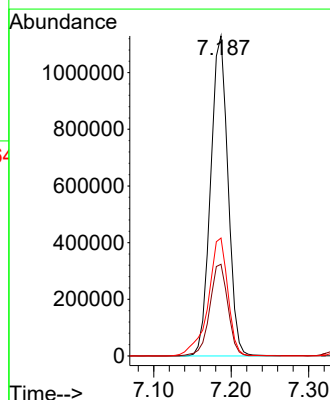
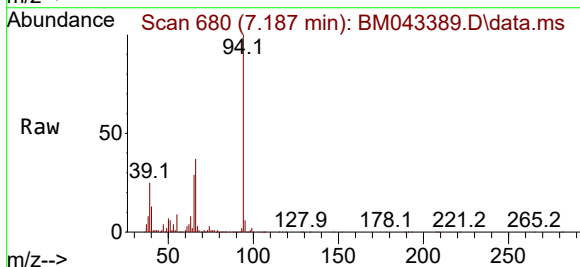
Instrument :
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ClientSampleId :
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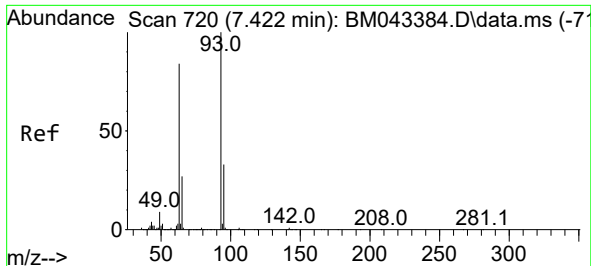
Tgt Ion: 77 Resp: 894213
Ion Ratio Lower Upper
77 100
105 92.7 73.4 110.0
106 90.7 71.4 107.0



#8
Phenol
Concen: 39.226 ng/ul
RT: 7.187 min Scan# 680
Delta R.T. 0.006 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

Tgt Ion: 94 Resp: 1756107
Ion Ratio Lower Upper
94 100
65 28.7 23.7 35.5
66 36.9 30.2 45.4

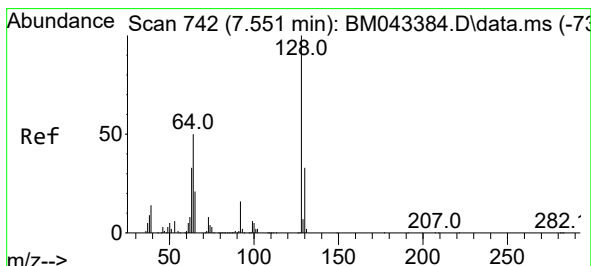
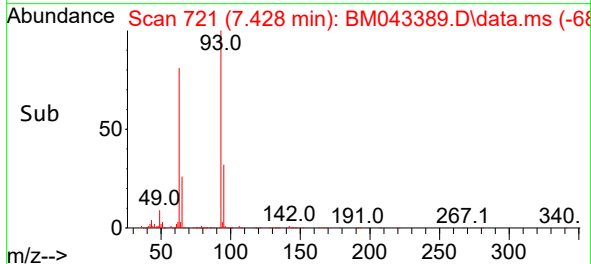
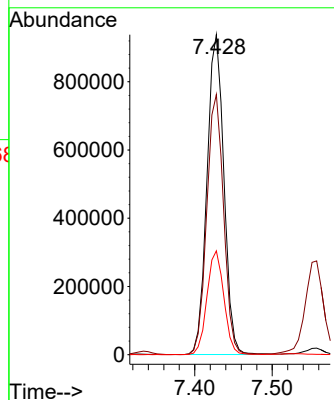
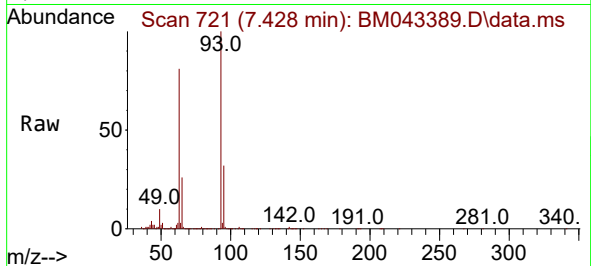




#10
Bis(2-Chloroethyl)ether
Concen: 39.105 ng/ul
RT: 7.428 min Scan# 71
Delta R.T. 0.006 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

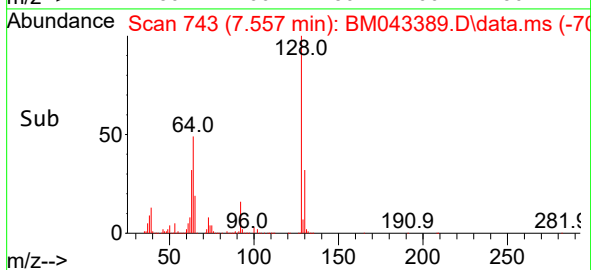
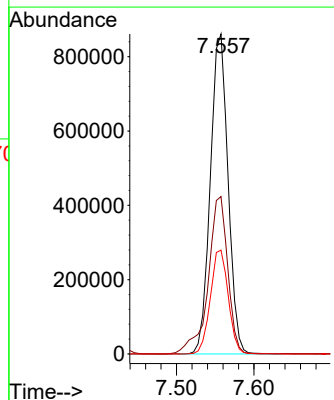
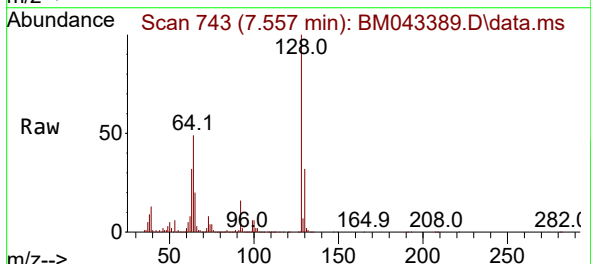
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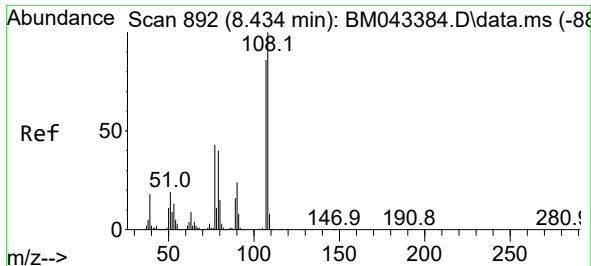
Tgt Ion: 93 Resp: 1421255
Ion Ratio Lower Upper
93 100
63 81.3 65.8 98.8
95 32.5 26.2 39.2



#12
2-Chlorophenol
Concen: 38.611 ng/ul
RT: 7.557 min Scan# 743
Delta R.T. 0.006 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

Tgt Ion:128 Resp: 1366580
Ion Ratio Lower Upper
128 100
64 49.2 40.5 60.7
130 32.5 25.6 38.4

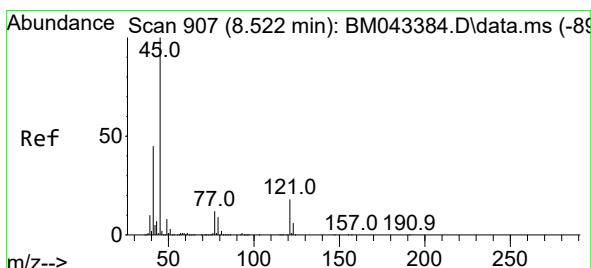
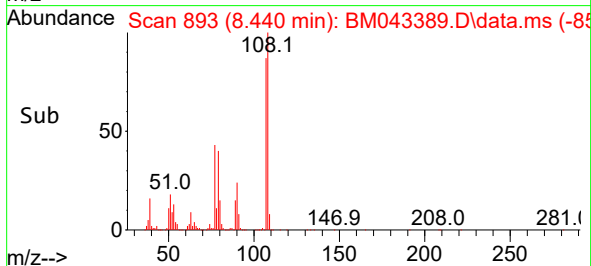
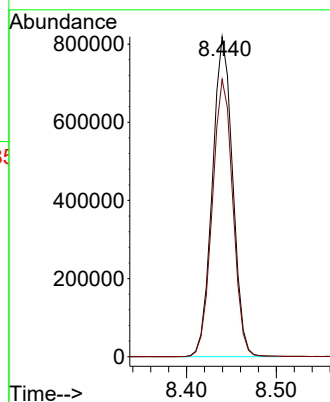
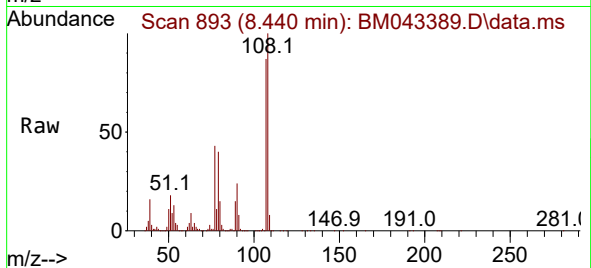




#13
2-Methylphenol
Concen: 37.903 ng/ul
RT: 8.440 min Scan# 892
Delta R.T. 0.000 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

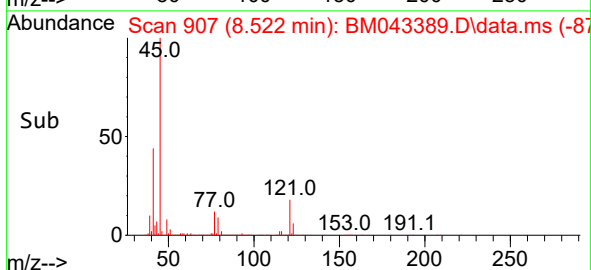
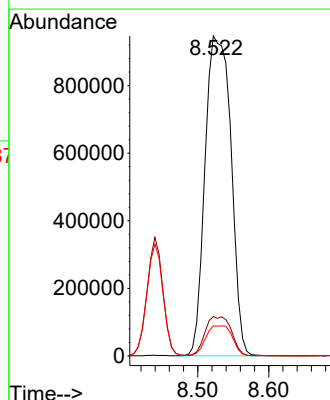
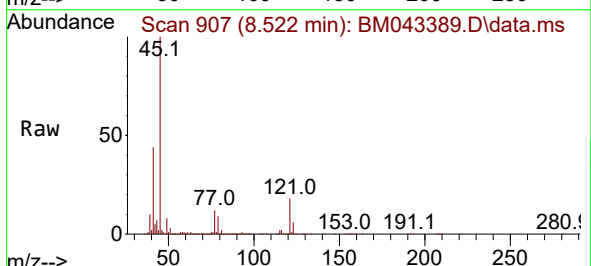
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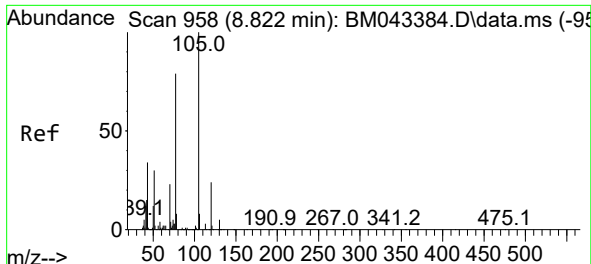
Tgt Ion:108 Resp: 1288464
Ion Ratio Lower Upper
108 100
107 86.7 69.0 103.6



#14
2,2'-oxybis(1-Chloropropane)
Concen: 39.302 ng/ul
RT: 8.522 min Scan# 907
Delta R.T. 0.000 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

Tgt Ion: 45 Resp: 2398690
Ion Ratio Lower Upper
45 100
77 12.3 10.6 15.8
79 9.4 7.6 11.4

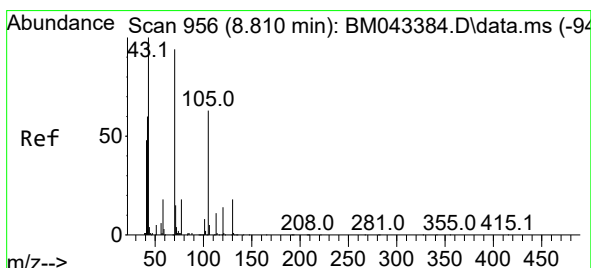
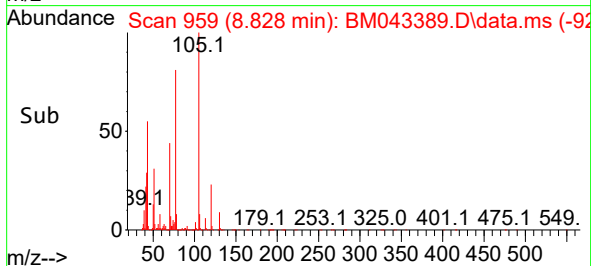
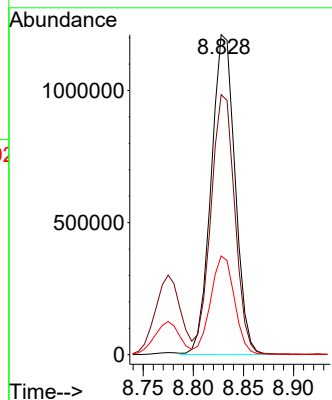
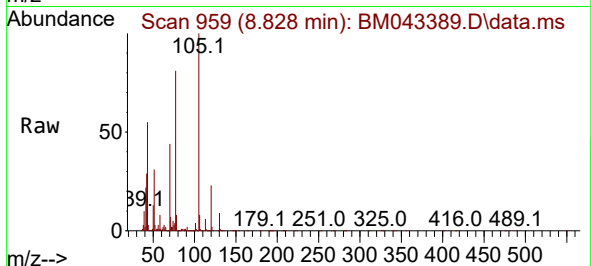




#16
Acetophenone
Concen: 37.175 ng/ul
RT: 8.828 min Scan# 91
Delta R.T. 0.000 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

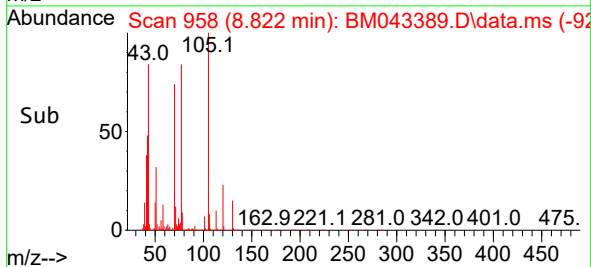
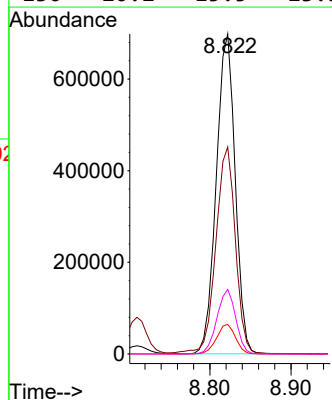
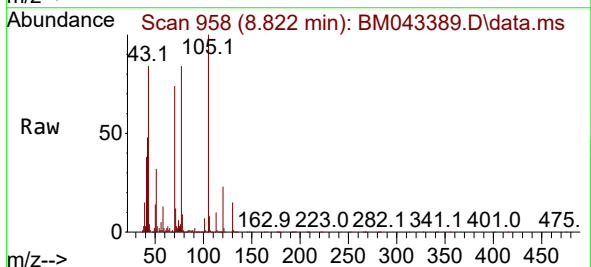
Instrument :
BNA_M
ClientSampleId :
DCLF3MS

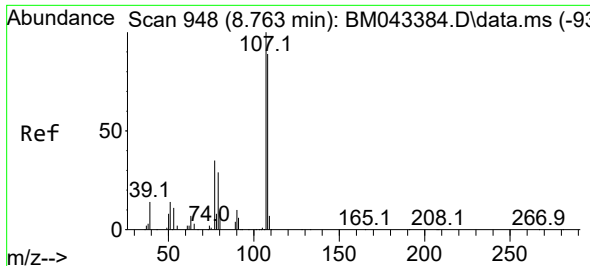
Tgt Ion:105 Resp: 2009759
Ion Ratio Lower Upper
105 100
77 81.3 65.1 97.7
51 30.9 24.3 36.5



#17
N-Nitroso-di-n-propylamine
Concen: 34.996 ng/ul
RT: 8.822 min Scan# 958
Delta R.T. 0.012 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

Tgt Ion: 70 Resp: 1129249
Ion Ratio Lower Upper
70 100
42 64.7 50.0 75.0
101 9.2 7.4 11.0
130 20.2 15.5 23.3

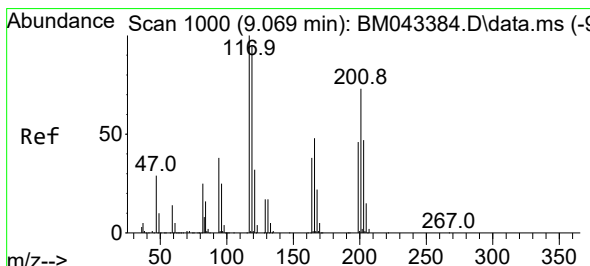
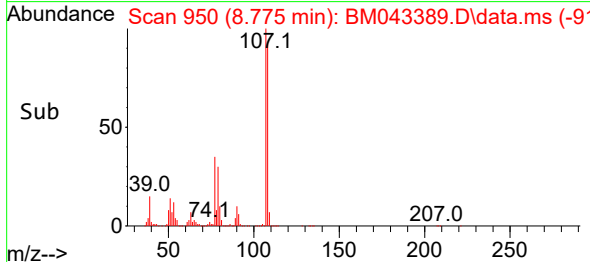
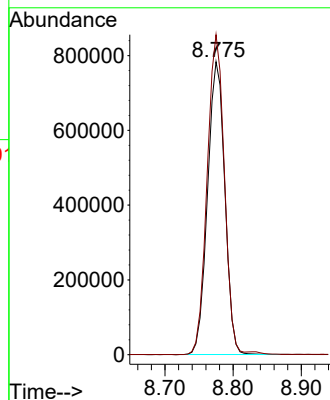
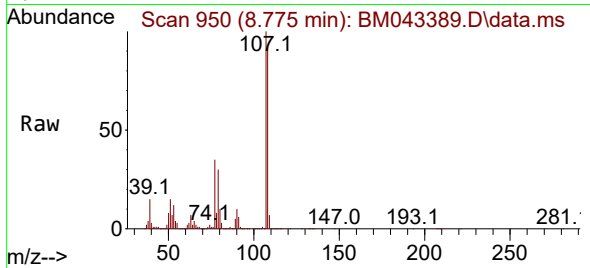




#18
4-Methylphenol
Concen: 37.506 ng/ul
RT: 8.775 min Scan# 91
Delta R.T. 0.006 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

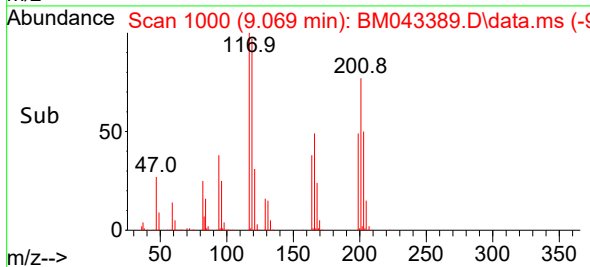
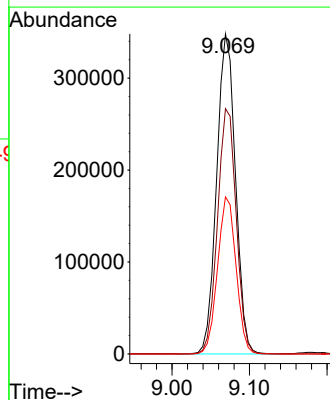
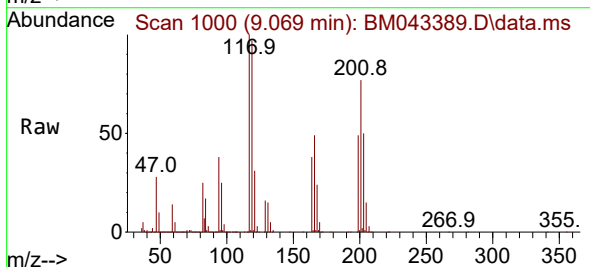
Instrument :
BNA_M
ClientSampleId :
DCLF3MS

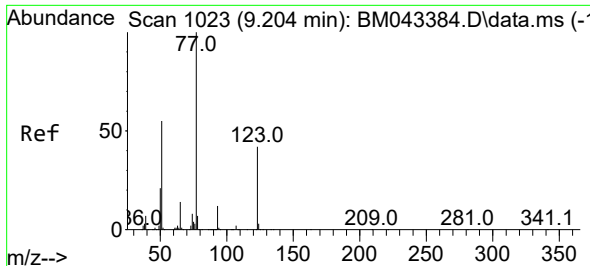
Tgt Ion:108 Resp: 1381795
Ion Ratio Lower Upper
108 100
107 109.2 87.1 130.7



#19
Hexachloroethane
Concen: 39.384 ng/ul
RT: 9.069 min Scan# 1000
Delta R.T. 0.000 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

Tgt Ion:117 Resp: 587768
Ion Ratio Lower Upper
117 100
201 76.6 59.8 89.6
199 49.1 39.0 58.6

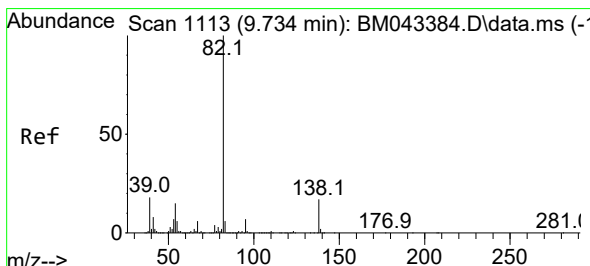
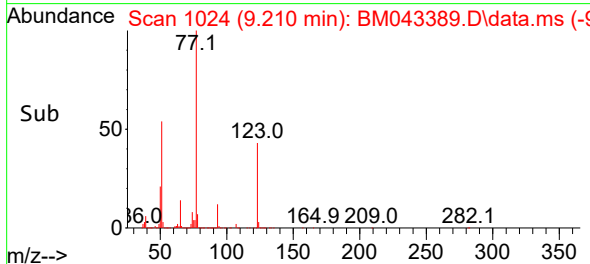
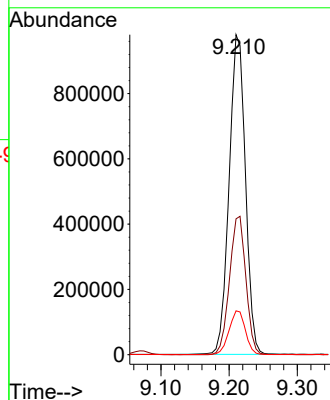
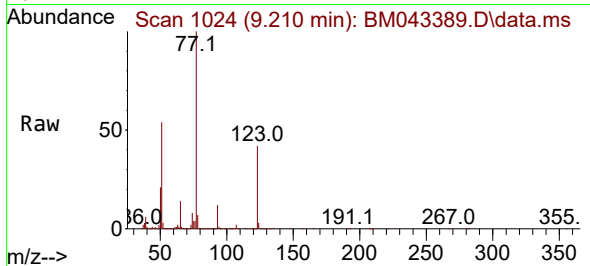




#22
Nitrobenzene
Concen: 40.636 ng/ul
RT: 9.210 min Scan# 1113
Delta R.T. 0.000 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

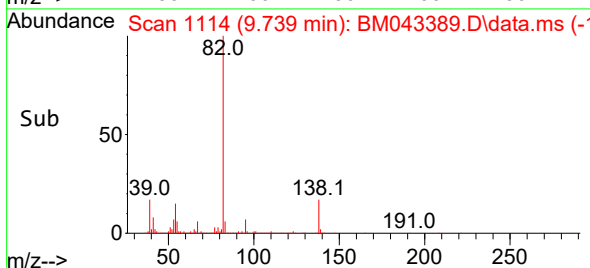
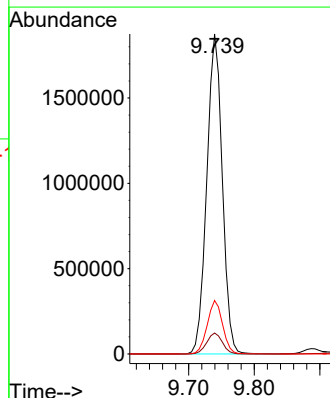
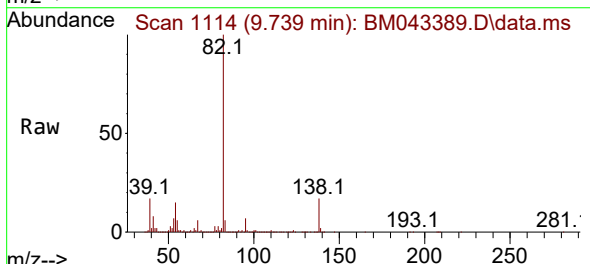
Instrument :
BNA_M
ClientSampleId :
DCLF3MS

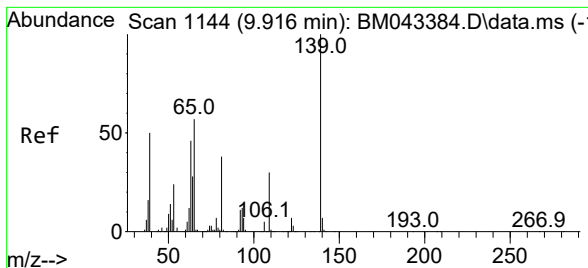
Tgt Ion: 77 Resp: 1632249
Ion Ratio Lower Upper
77 100
123 42.5 35.6 53.4
65 13.7 10.6 15.8



#23
Isophorone
Concen: 37.918 ng/ul
RT: 9.739 min Scan# 1114
Delta R.T. 0.006 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

Tgt Ion: 82 Resp: 3089590
Ion Ratio Lower Upper
82 100
95 6.5 5.5 8.3
138 16.7 13.6 20.4

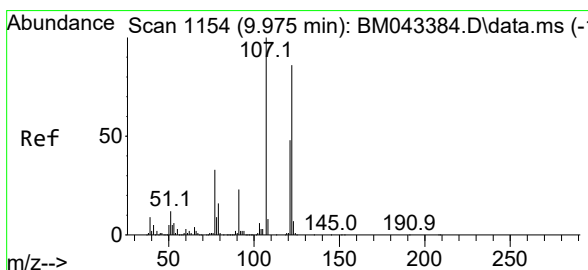
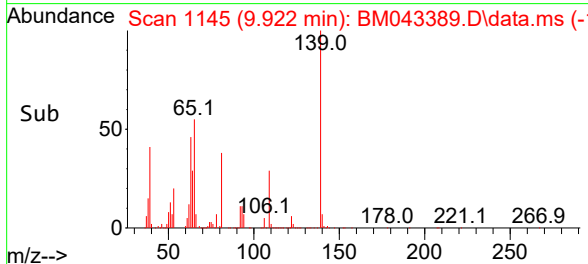
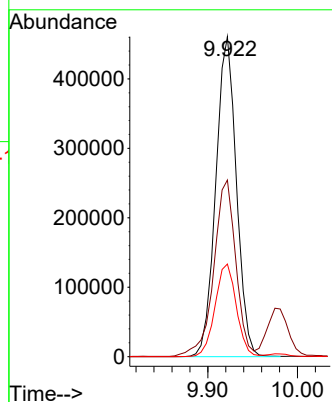
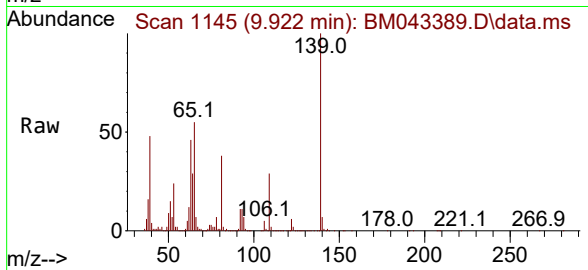




#25
2-Nitrophenol
Concen: 41.268 ng/ul
RT: 9.922 min Scan# 1145
Delta R.T. 0.006 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

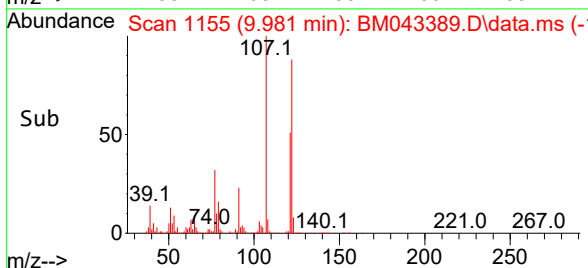
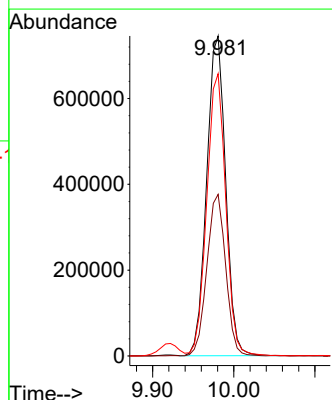
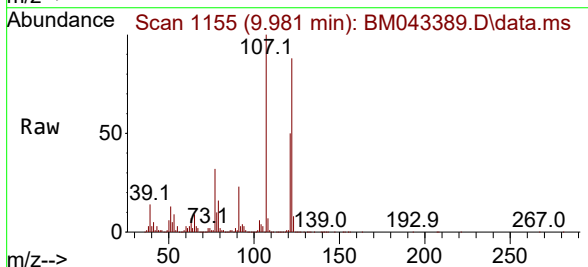
Instrument :
BNA_M
ClientSampleId :
DCLF3MS

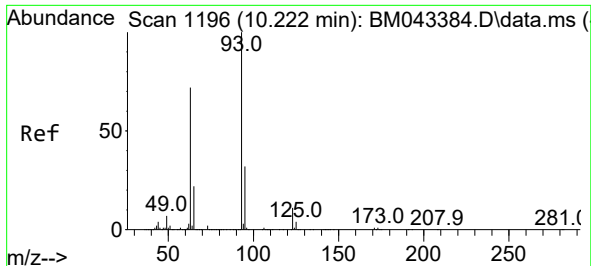
Tgt Ion:139 Resp: 735529
Ion Ratio Lower Upper
139 100
65 55.2 44.6 66.8
109 28.9 24.6 36.8



#26
2,4-Dimethylphenol
Concen: 38.064 ng/ul
RT: 9.981 min Scan# 1155
Delta R.T. 0.006 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

Tgt Ion:107 Resp: 1208514
Ion Ratio Lower Upper
107 100
121 50.5 40.3 60.5
122 88.2 71.5 107.3

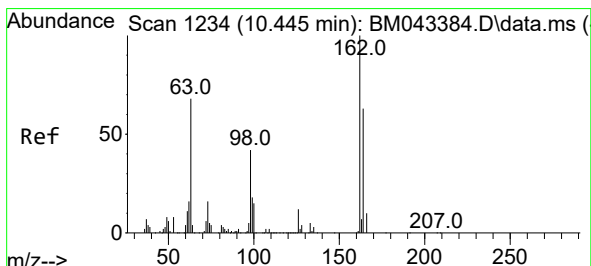
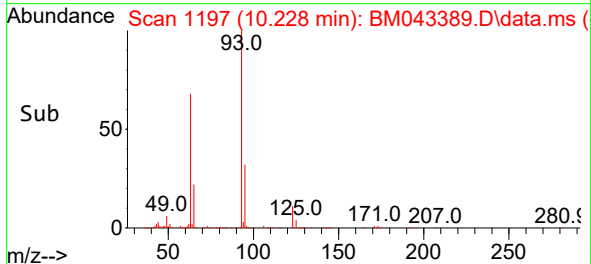
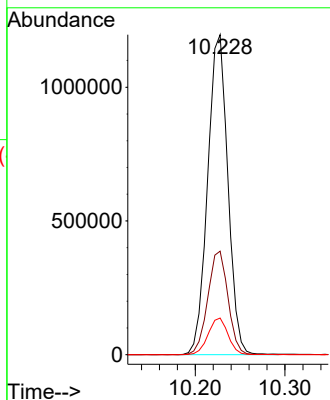
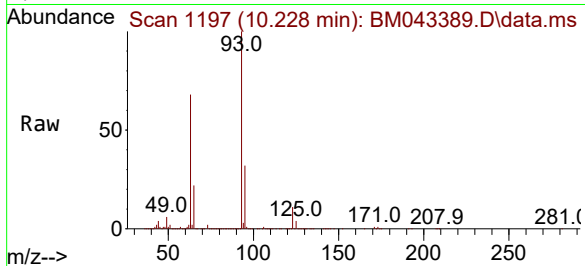




#27
 Bis(2-Chloroethoxy)methane
 Concen: 38.853 ng/ul
 RT: 10.228 min Scan# 1196
 Delta R.T. 0.006 min
 Lab File: BM043389.D
 Acq: 18 Dec 2023 12:40

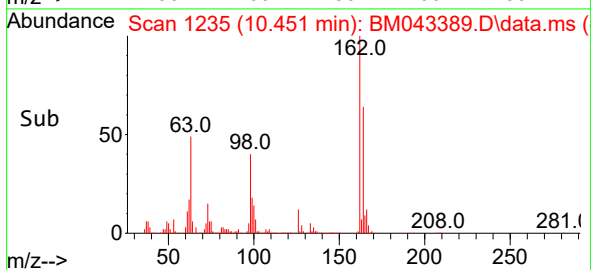
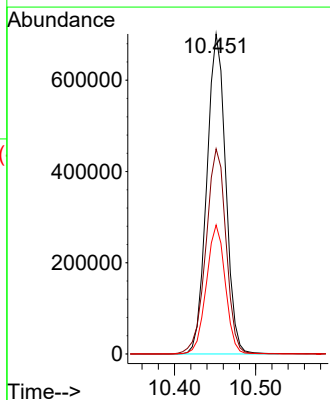
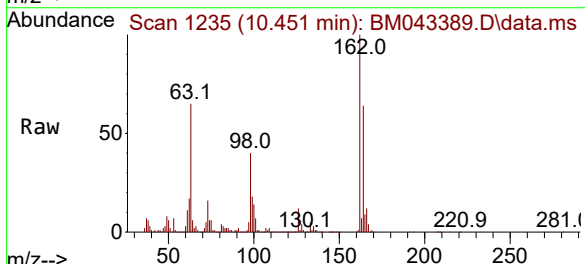
Instrument :
 BNA_M
 ClientSampleId :
 DCLF3MS

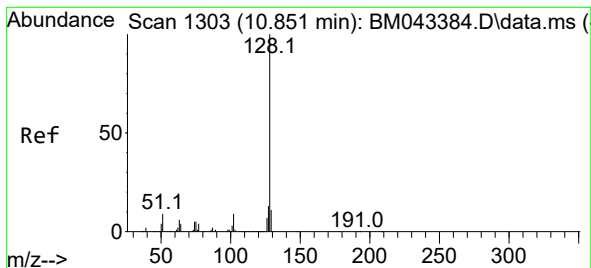
Tgt Ion: 93 Resp: 1869293
 Ion Ratio Lower Upper
 93 100
 95 32.3 25.9 38.9
 123 11.4 9.0 13.6



#29
 2,4-Dichlorophenol
 Concen: 39.512 ng/ul
 RT: 10.451 min Scan# 1235
 Delta R.T. 0.006 min
 Lab File: BM043389.D
 Acq: 18 Dec 2023 12:40

Tgt Ion:162 Resp: 1135173
 Ion Ratio Lower Upper
 162 100
 164 64.1 51.0 76.4
 98 40.3 32.1 48.1





#30

Naphthalene

Concen: 44.818 ng/ul

RT: 10.857 min Scan# 1

Delta R.T. 0.006 min

Lab File: BM043389.D

Acq: 18 Dec 2023 12:40

Instrument :

BNA_M

ClientSampleId :

DCLF3MS

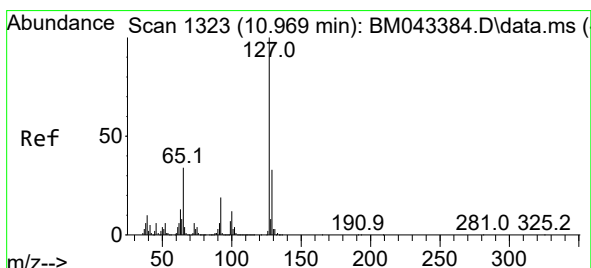
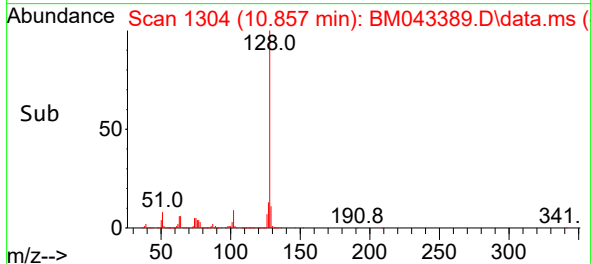
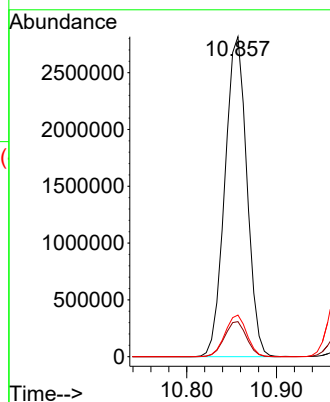
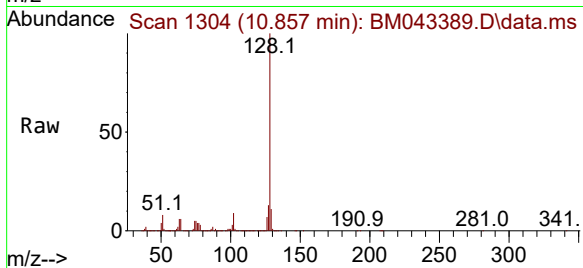
Tgt Ion:128 Resp: 4791714

Ion Ratio Lower Upper

128 100

129 11.0 8.8 13.2

127 13.0 10.2 15.4



#32

4-Chloroaniline

Concen: 30.015 ng/ul

RT: 10.969 min Scan# 1323

Delta R.T. 0.000 min

Lab File: BM043389.D

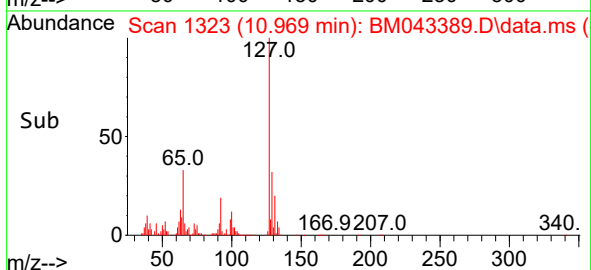
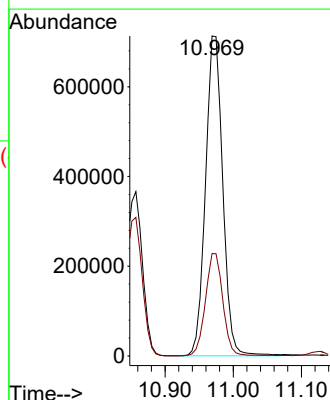
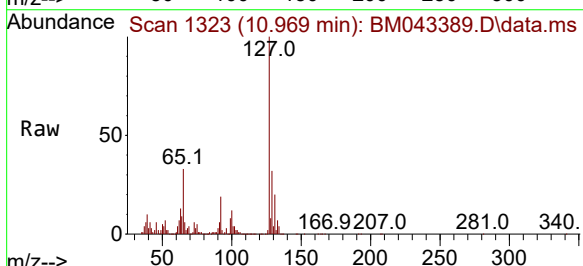
Acq: 18 Dec 2023 12:40

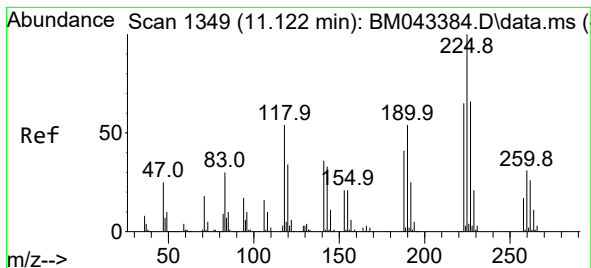
Tgt Ion:127 Resp: 1257041

Ion Ratio Lower Upper

127 100

129 32.0 25.4 38.2





#33

Hexachlorobutadiene

Concen: 40.719 ng/ul

RT: 11.128 min Scan# 11

Delta R.T. 0.000 min

Lab File: BM043389.D

Acq: 18 Dec 2023 12:40

Instrument :

BNA_M

ClientSampleId :

DCLF3MS

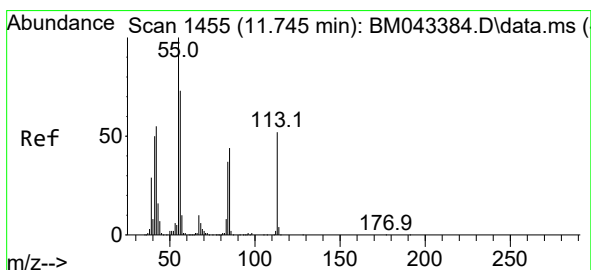
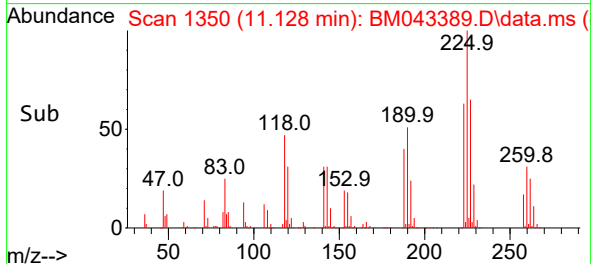
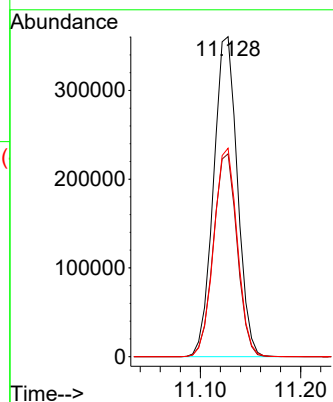
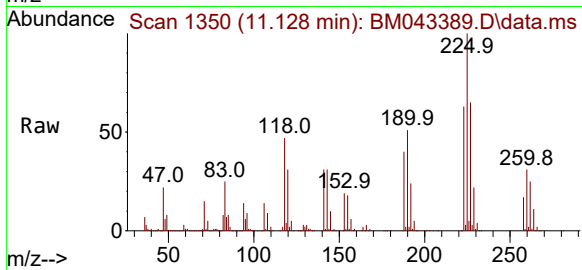
Tgt Ion:225 Resp: 596457

Ion Ratio Lower Upper

225 100

223 63.4 49.4 74.0

227 65.1 50.4 75.6



#34

Caprolactam

Concen: 43.856 ng/ul

RT: 11.769 min Scan# 1459

Delta R.T. 0.024 min

Lab File: BM043389.D

Acq: 18 Dec 2023 12:40

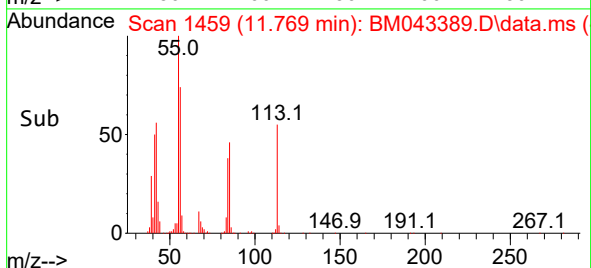
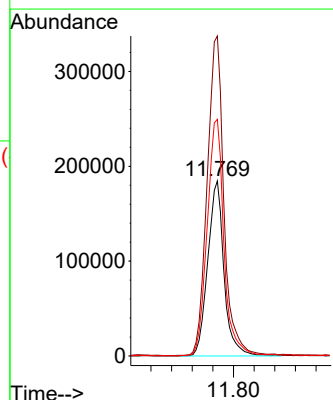
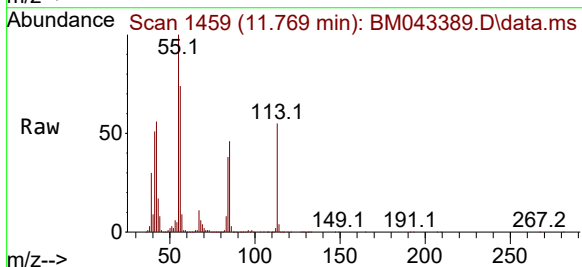
Tgt Ion:113 Resp: 402640

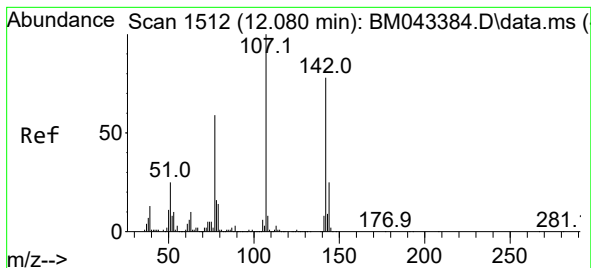
Ion Ratio Lower Upper

113 100

55 182.8 148.9 223.3

56 135.2 111.4 167.2

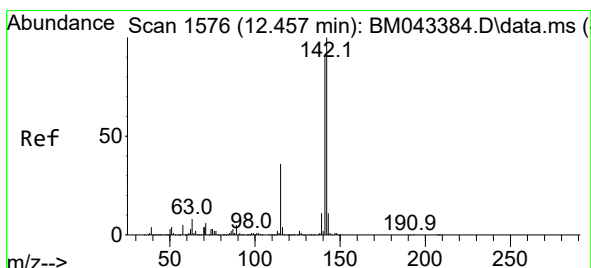
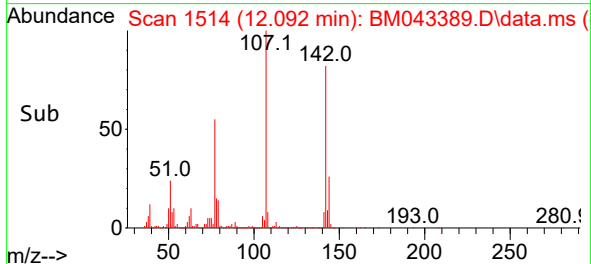
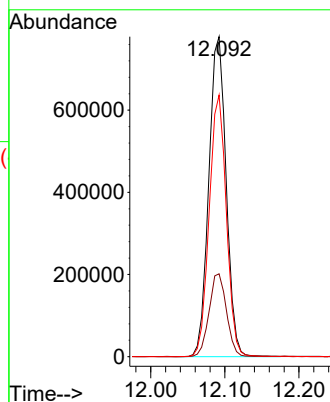
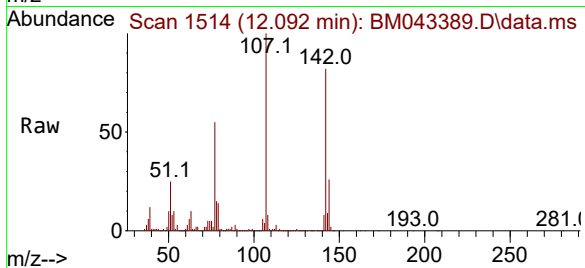




#35
4-Chloro-3-methylphenol
Concen: 37.520 ng/ul
RT: 12.092 min Scan# 1514
Delta R.T. 0.012 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

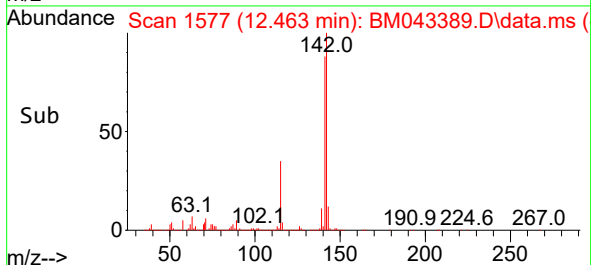
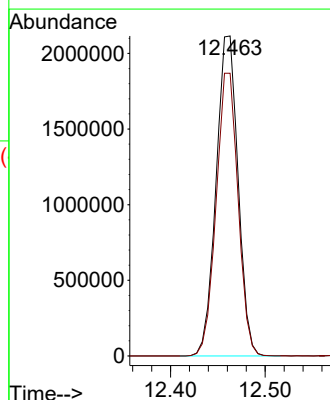
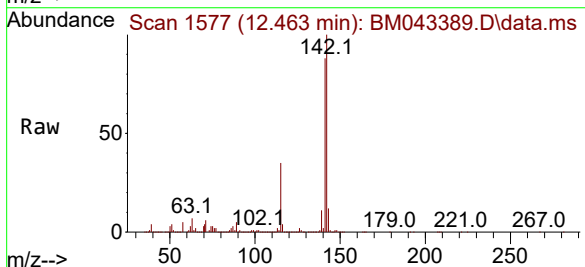
Instrument :
BNA_M
ClientSampleId :
DCLF3MS

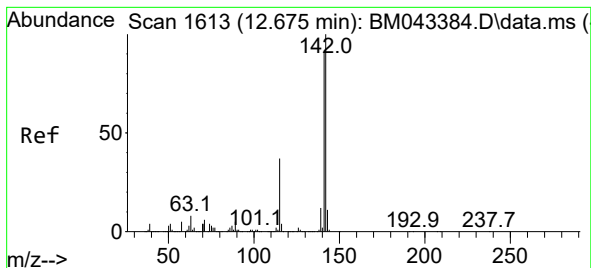
Tgt Ion:107 Resp: 1266124
Ion Ratio Lower Upper
107 100
144 25.9 20.3 30.5
142 81.8 64.3 96.5



#36
2-Methylnaphthalene
Concen: 46.884 ng/ul
RT: 12.463 min Scan# 1577
Delta R.T. 0.006 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

Tgt Ion:142 Resp: 3412097
Ion Ratio Lower Upper
142 100
141 88.4 69.9 104.9





#37

1-Methylnaphthalene

Concen: 43.103 ng/ul

RT: 12.675 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM043389.D

Acq: 18 Dec 2023 12:40

Instrument :

BNA_M

ClientSampleId :

DCLF3MS

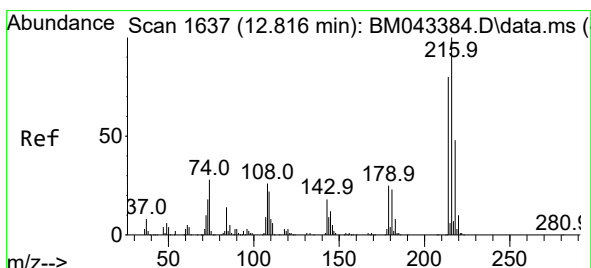
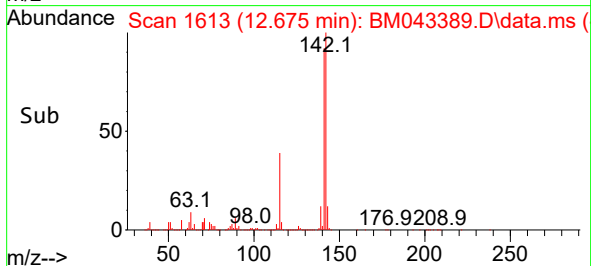
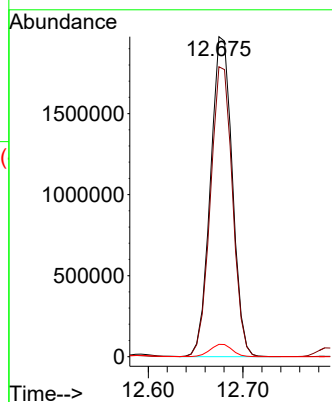
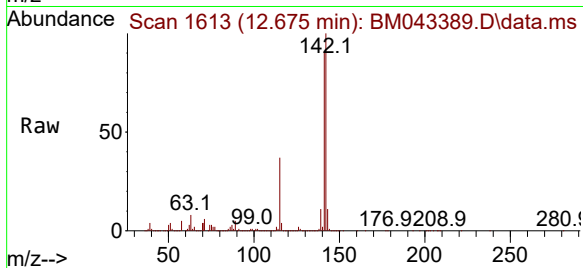
Tgt Ion:142 Resp: 3163972

Ion Ratio Lower Upper

142 100

141 90.6 73.0 109.4

116 3.9 3.0 4.6



#39

1,2,4,5-Tetrachlorobenzene

Concen: 43.194 ng/ul

RT: 12.822 min Scan# 1638

Delta R.T. 0.006 min

Lab File: BM043389.D

Acq: 18 Dec 2023 12:40

Tgt Ion:216 Resp: 1117948

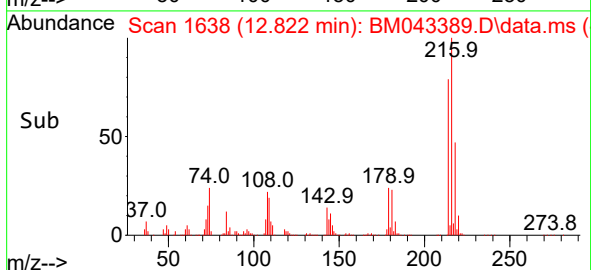
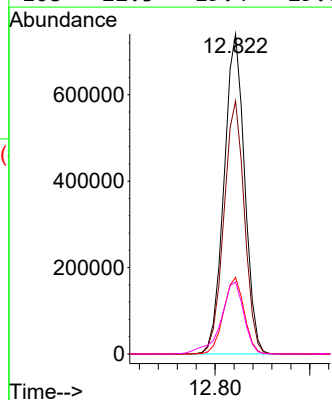
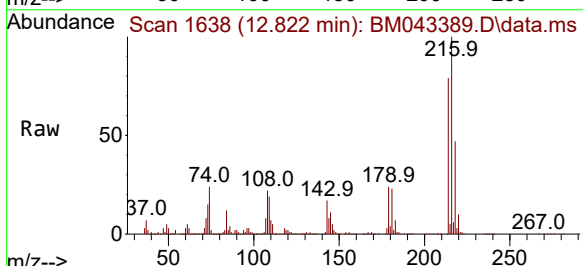
Ion Ratio Lower Upper

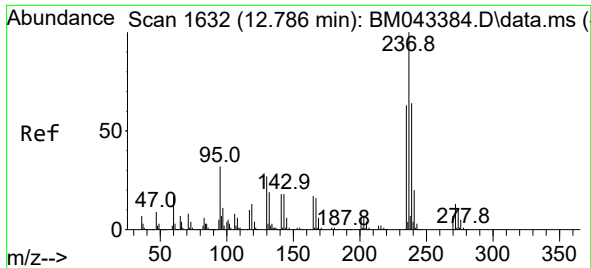
216 100

214 79.0 64.6 97.0

179 23.9 20.0 30.0

108 22.5 19.4 29.0

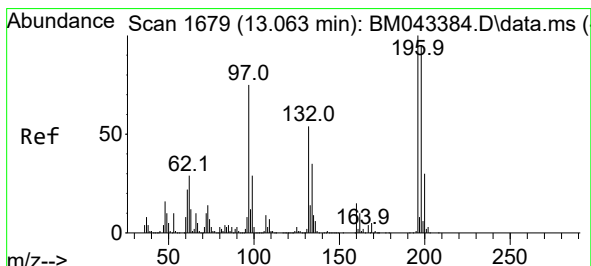
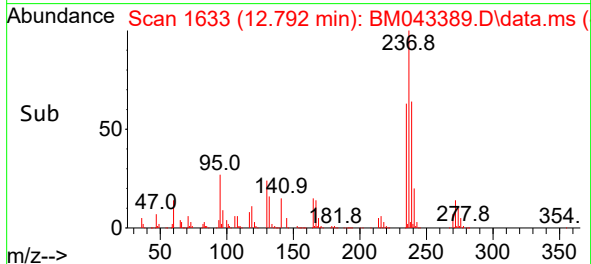
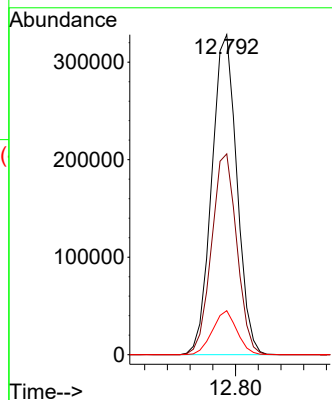
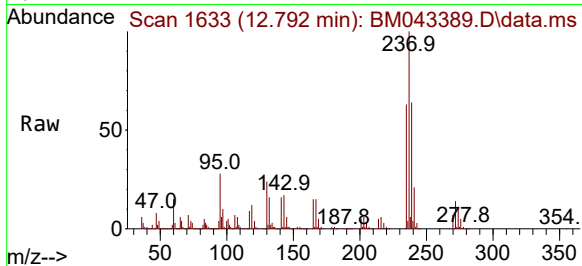




#40
Hexachlorocyclopentadiene
Concen: 31.044 ng/ul
RT: 12.792 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

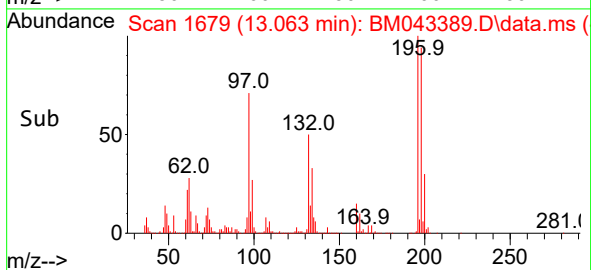
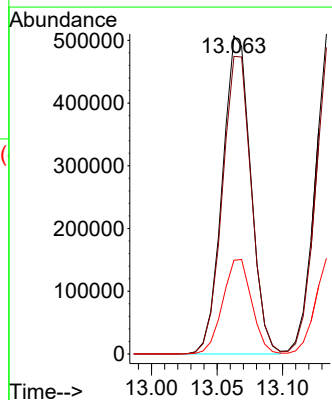
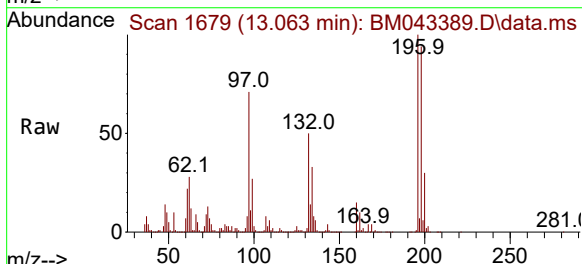
Instrument :
BNA_M
ClientSampleId :
DCLF3MS

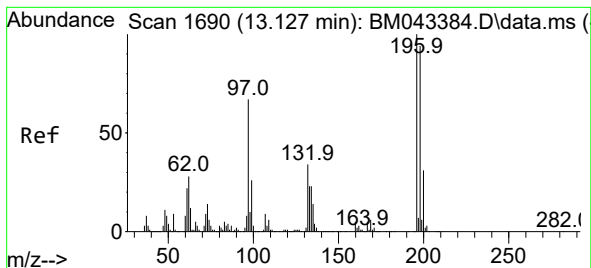
Tgt Ion:237 Resp: 504146
Ion Ratio Lower Upper
237 100
235 62.8 48.2 72.4
272 13.7 10.8 16.2



#41
2,4,6-Trichlorophenol
Concen: 41.475 ng/ul
RT: 13.063 min Scan# 1679
Delta R.T. 0.000 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

Tgt Ion:196 Resp: 763040
Ion Ratio Lower Upper
196 100
198 93.6 78.3 117.5
200 29.5 25.1 37.7

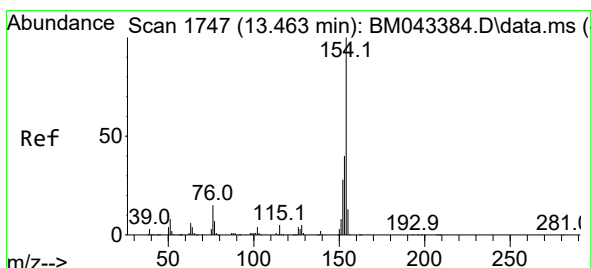
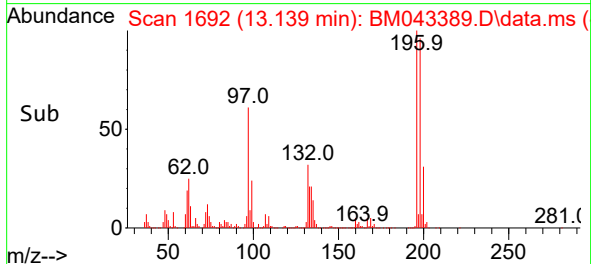
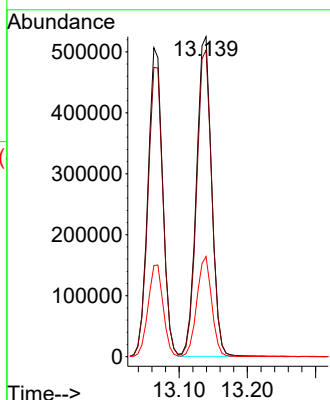
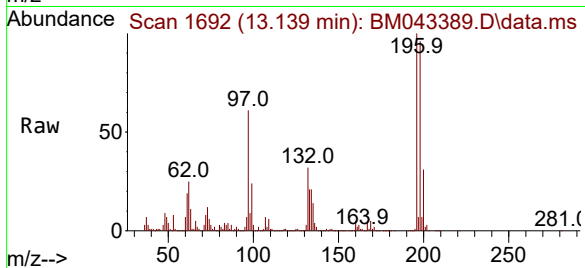




#42
2,4,5-Trichlorophenol
Concen: 41.686 ng/ul
RT: 13.139 min Scan# 1692
Delta R.T. 0.012 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

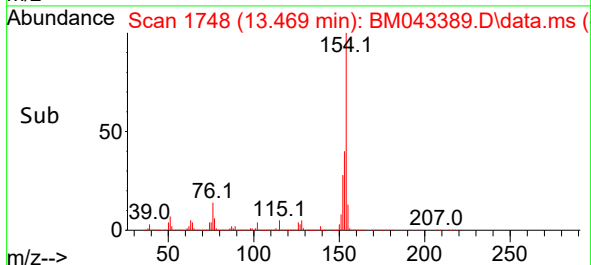
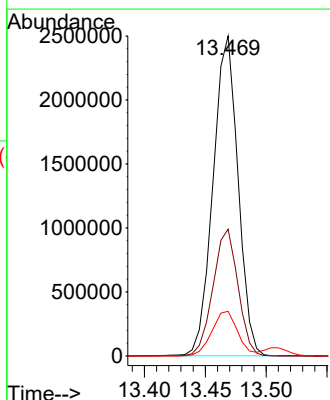
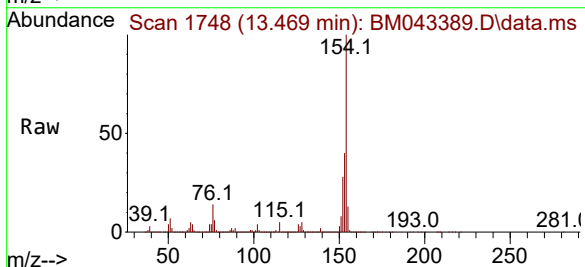
Instrument :
BNA_M
ClientSampleId :
DCLF3MS

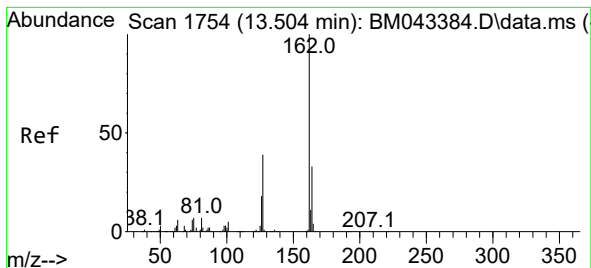
Tgt Ion:196 Resp: 814311
Ion Ratio Lower Upper
196 100
198 95.8 75.1 112.7
200 31.3 24.6 37.0



#43
1,1'-Biphenyl
Concen: 43.968 ng/ul
RT: 13.469 min Scan# 1748
Delta R.T. 0.006 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

Tgt Ion:154 Resp: 3560264
Ion Ratio Lower Upper
154 100
153 39.6 31.8 47.6
76 13.9 11.7 17.5





#44

2-Chloronaphthalene

Concen: 41.880 ng/ul

RT: 13.510 min Scan# 1

Delta R.T. 0.006 min

Lab File: BM043389.D

Acq: 18 Dec 2023 12:40

Instrument :

BNA_M

ClientSampleId :

DCLF3MS

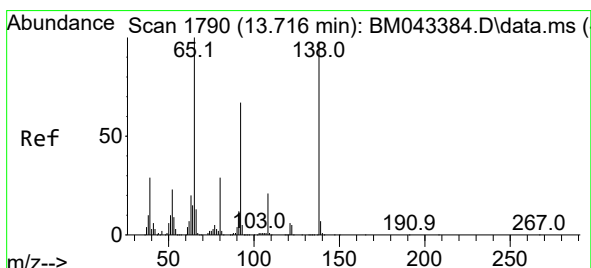
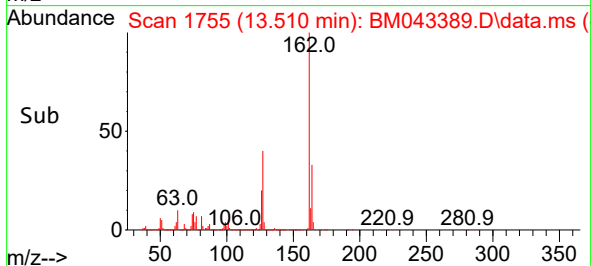
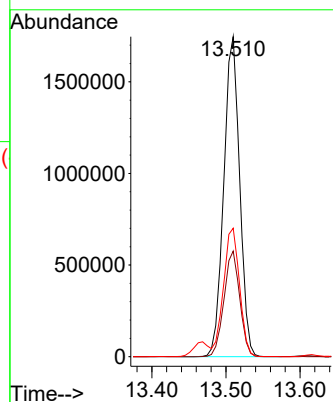
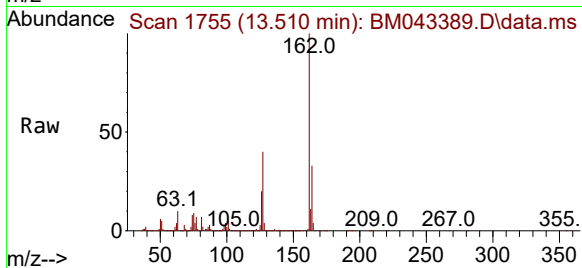
Tgt Ion:162 Resp: 2599968

Ion Ratio Lower Upper

162 100

164 33.0 26.4 39.6

127 40.1 32.2 48.4



#45

2-Nitroaniline

Concen: 42.318 ng/ul

RT: 13.722 min Scan# 1791

Delta R.T. 0.006 min

Lab File: BM043389.D

Acq: 18 Dec 2023 12:40

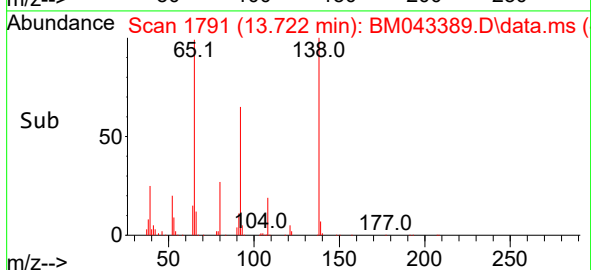
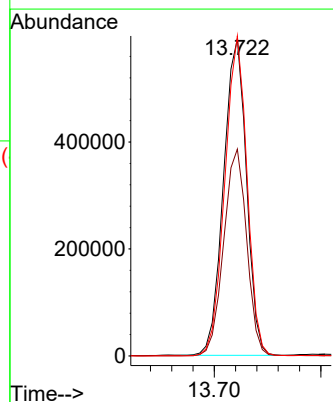
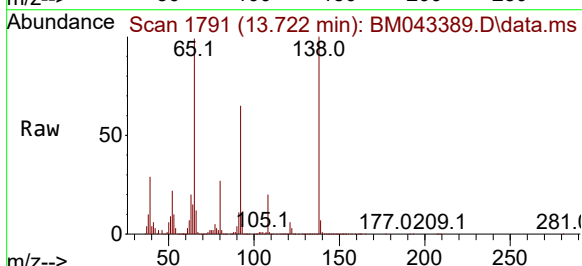
Tgt Ion: 65 Resp: 880966

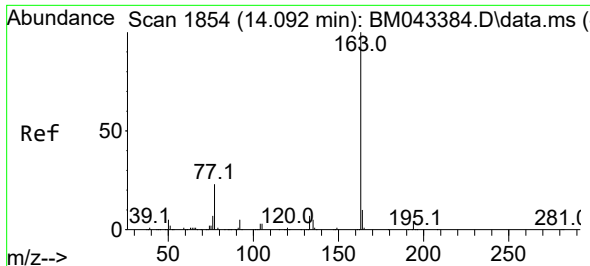
Ion Ratio Lower Upper

65 100

92 65.2 51.4 77.2

138 100.9 78.4 117.6

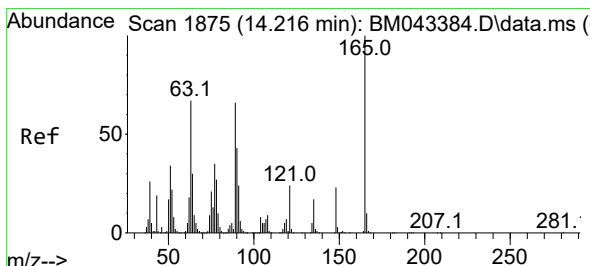
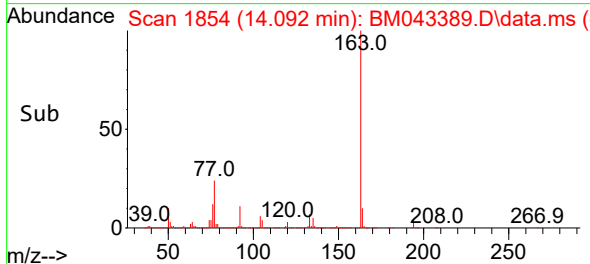
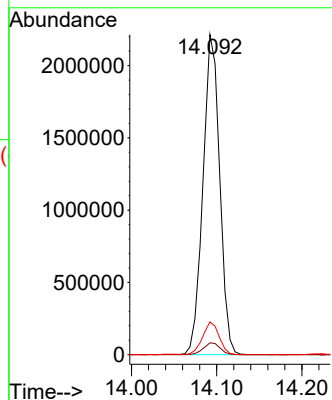
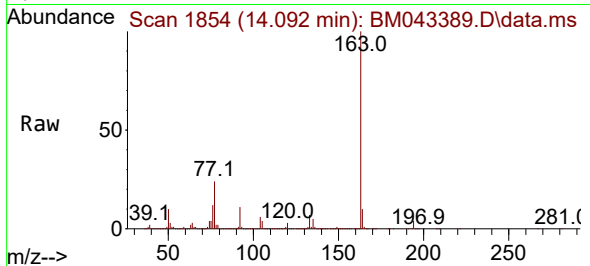




#47
Dimethylphthalate
Concen: 39.933 ng/ul
RT: 14.092 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

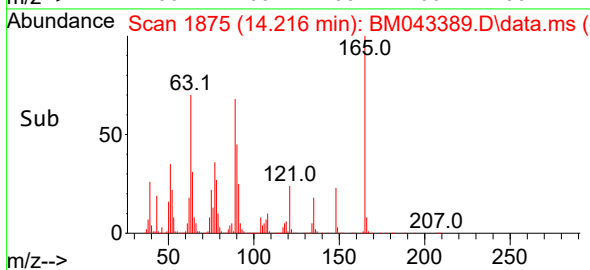
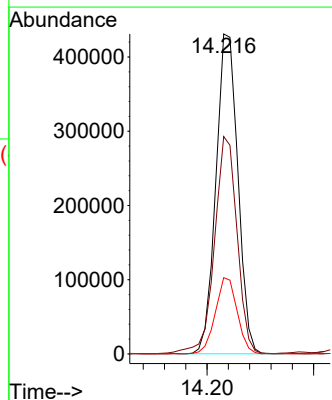
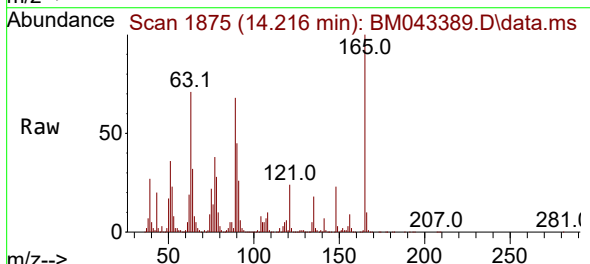
Instrument :
BNA_M
ClientSampleId :
DCLF3MS

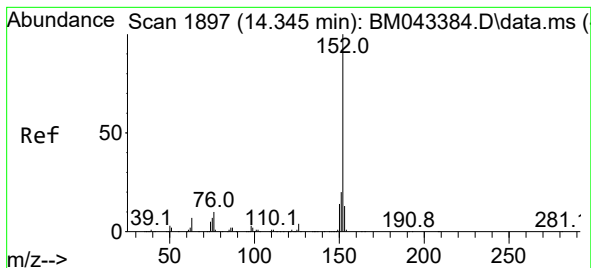
Tgt Ion:163 Resp: 3015635
Ion Ratio Lower Upper
163 100
194 3.7 3.0 4.4
164 10.3 8.0 12.0



#48
2,6-Dinitrotoluene
Concen: 42.202 ng/ul
RT: 14.216 min Scan# 1875
Delta R.T. 0.000 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

Tgt Ion:165 Resp: 616163
Ion Ratio Lower Upper
165 100
89 68.0 50.7 76.1
121 23.9 18.6 27.8





#50

Acenaphthylene

Concen: 43.697 ng/ul

RT: 14.351 min Scan# 1897

Delta R.T. 0.000 min

Lab File: BM043389.D

Acq: 18 Dec 2023 12:40

Instrument :

BNA_M

ClientSampleId :

DCLF3MS

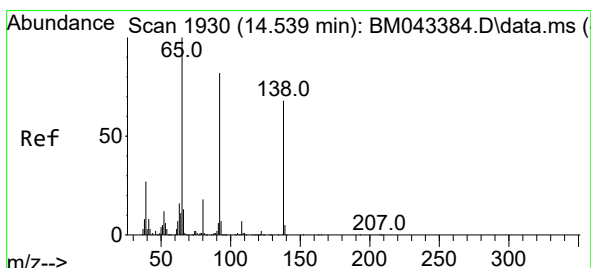
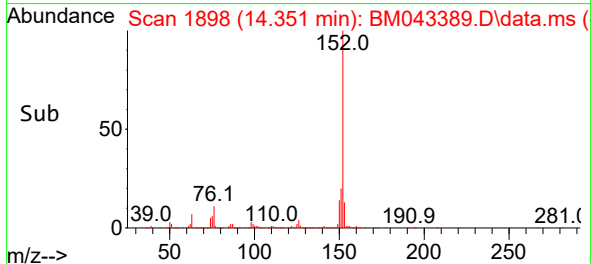
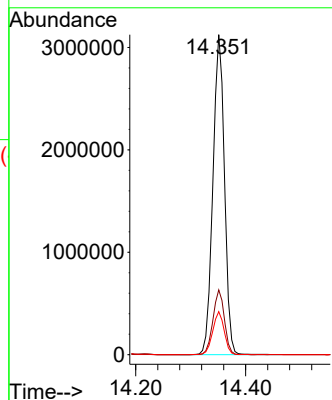
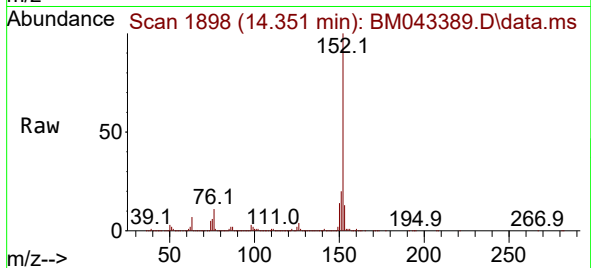
Tgt Ion:152 Resp: 4551911

Ion Ratio Lower Upper

152 100

151 20.2 15.6 23.4

153 13.5 10.2 15.4



#51

3-Nitroaniline

Concen: 40.872 ng/ul

RT: 14.545 min Scan# 1931

Delta R.T. 0.006 min

Lab File: BM043389.D

Acq: 18 Dec 2023 12:40

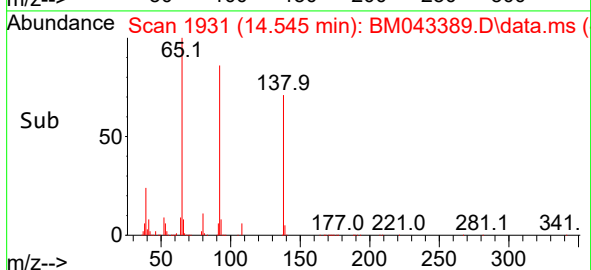
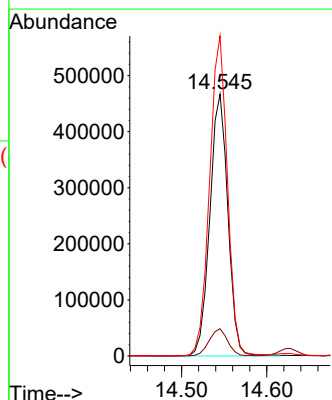
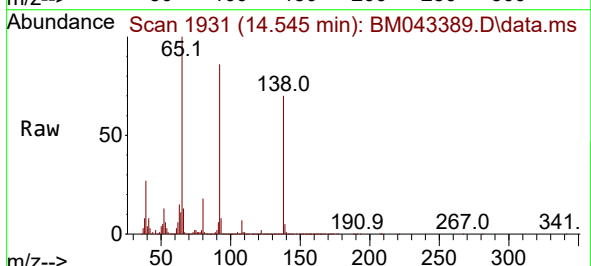
Tgt Ion:138 Resp: 685051

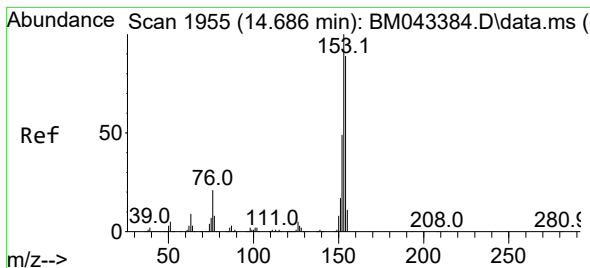
Ion Ratio Lower Upper

138 100

108 10.4 8.4 12.6

92 122.2 94.6 142.0





#52

Acenaphthene

Concen: 94.529 ng/ul

RT: 14.692 min Scan# 1956

Delta R.T. 0.006 min

Lab File: BM043389.D

Acq: 18 Dec 2023 12:40

Instrument :

BNA_M

ClientSampleId :

DCLF3MS

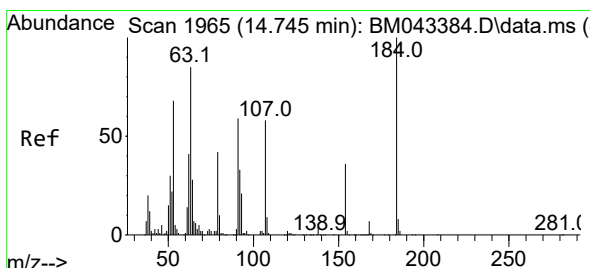
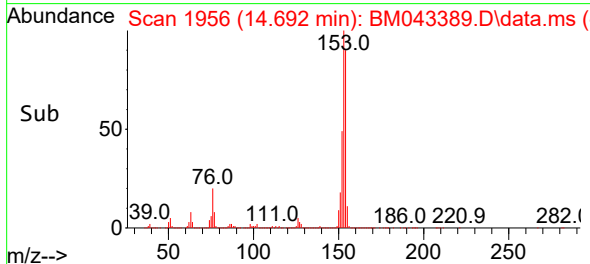
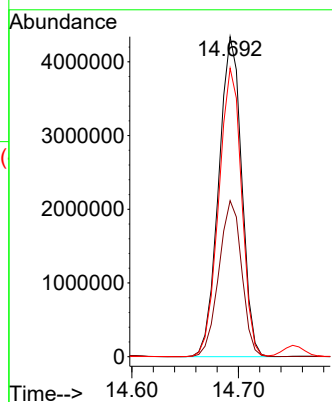
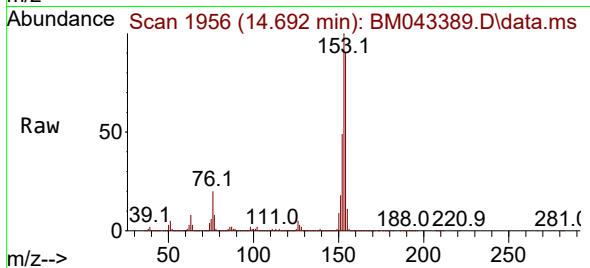
Tgt Ion:153 Resp: 6489859

Ion Ratio Lower Upper

153 100

152 48.8 38.1 57.1

154 90.2 70.4 105.6



#53

2,4-Dinitrophenol

Concen: 38.898 ng/ul

RT: 14.751 min Scan# 1966

Delta R.T. 0.006 min

Lab File: BM043389.D

Acq: 18 Dec 2023 12:40

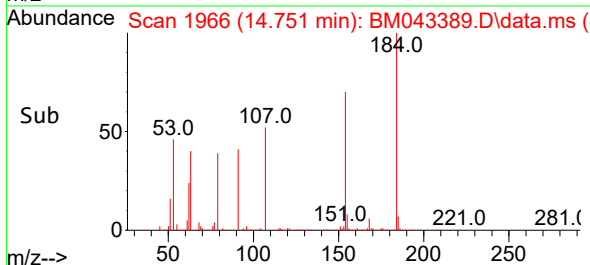
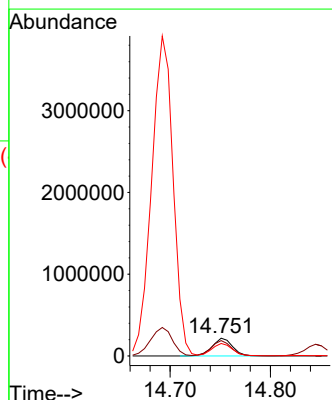
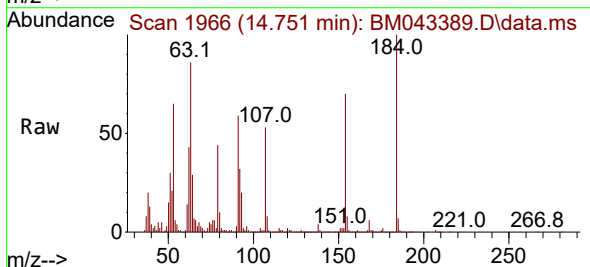
Tgt Ion:184 Resp: 302323

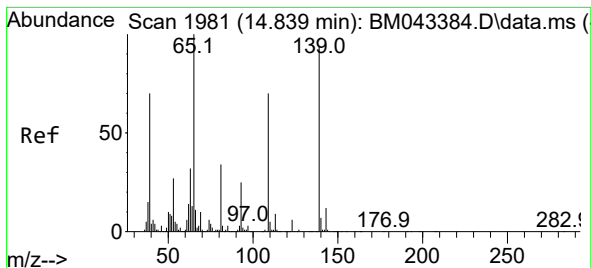
Ion Ratio Lower Upper

184 100

63 86.2 64.9 97.3

154 70.5 53.1 79.7

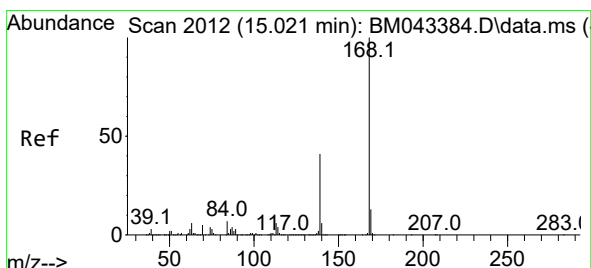
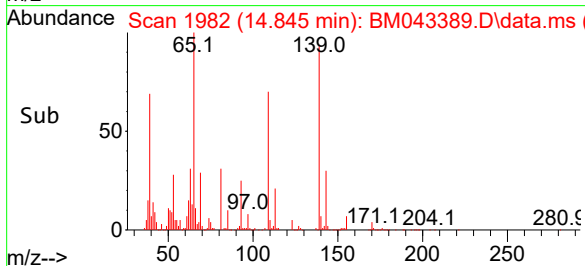
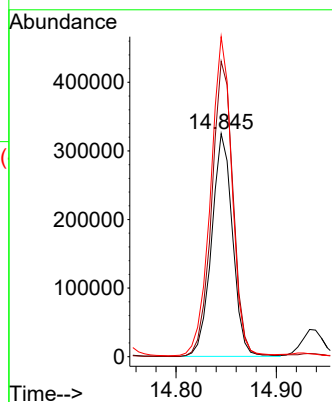
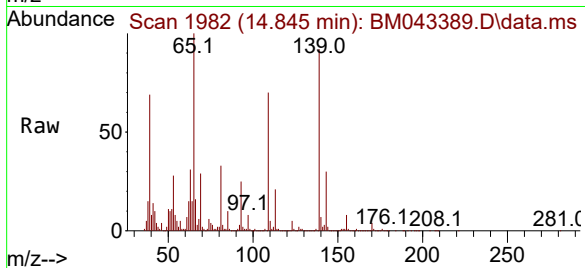




#55
4-Nitrophenol
Concen: 41.860 ng/ul
RT: 14.845 min Scan# 1981
Delta R.T. 0.006 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

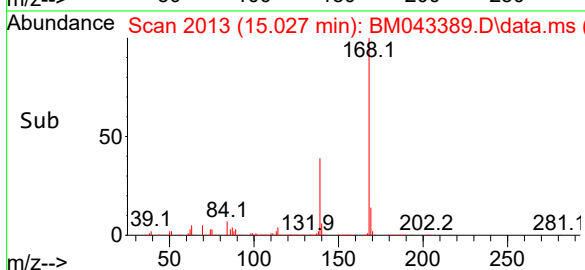
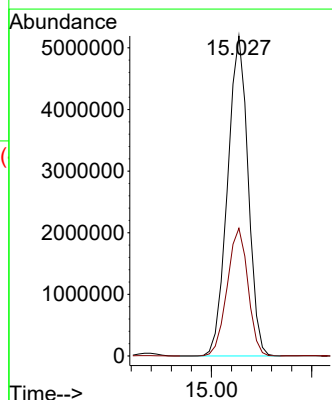
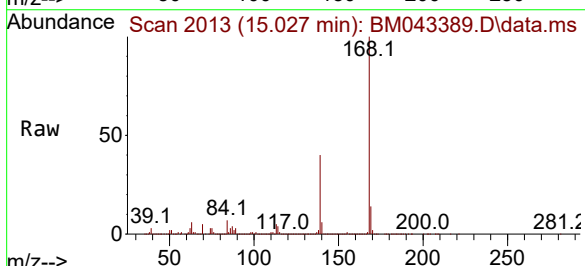
Instrument :
BNA_M
ClientSampleId :
DCLF3MS

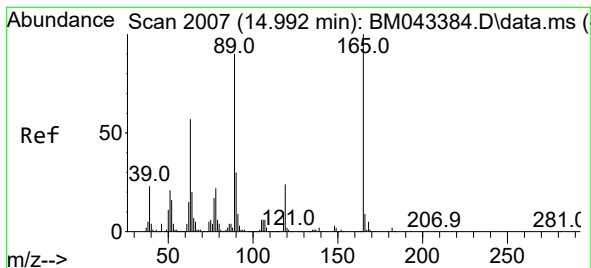
Tgt Ion:109 Resp: 470441
Ion Ratio Lower Upper
109 100
139 132.3 107.0 160.6
65 143.4 110.4 165.6



#56
Dibenzofuran
Concen: 83.190 ng/ul
RT: 15.027 min Scan# 2013
Delta R.T. 0.006 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

Tgt Ion:168 Resp: 7376212
Ion Ratio Lower Upper
168 100
139 39.9 31.8 47.8

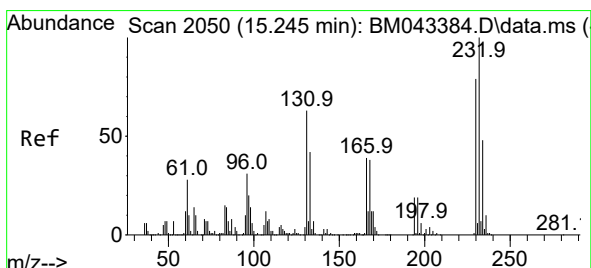
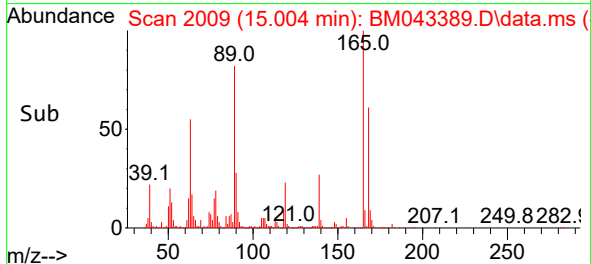
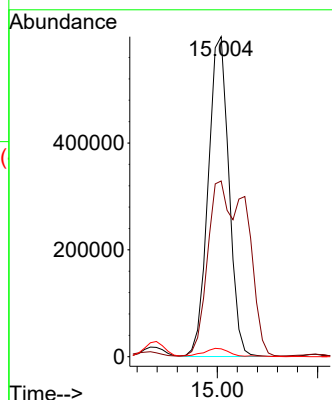
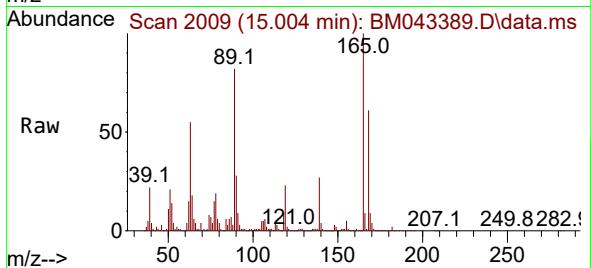




#57
2,4-Dinitrotoluene
Concen: 41.749 ng/ul
RT: 15.004 min Scan# 2009
Delta R.T. 0.012 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

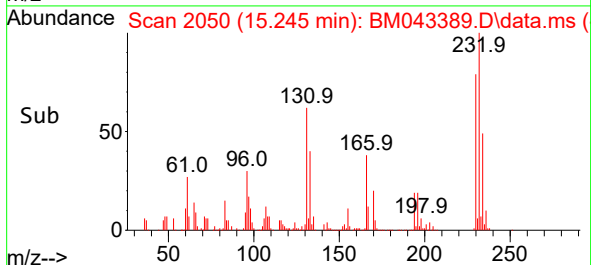
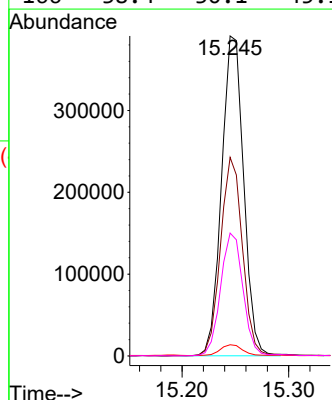
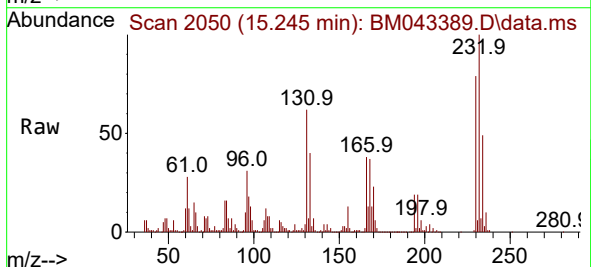
Instrument :
BNA_M
ClientSampleId :
DCLF3MS

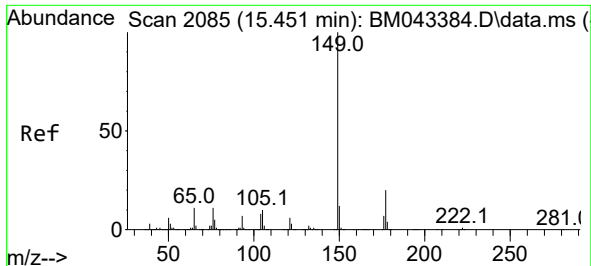
Tgt Ion:165 Resp: 861183
Ion Ratio Lower Upper
165 100
63 54.9 43.2 64.8
182 2.5 2.3 3.5



#58
2,3,4,6-Tetrachlorophenol
Concen: 37.568 ng/ul
RT: 15.245 min Scan# 2050
Delta R.T. 0.000 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

Tgt Ion:232 Resp: 562254
Ion Ratio Lower Upper
232 100
131 62.0 47.4 71.0
130 3.5 2.4 3.6
166 38.4 30.1 45.1

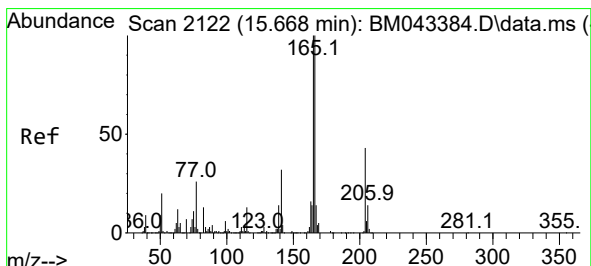
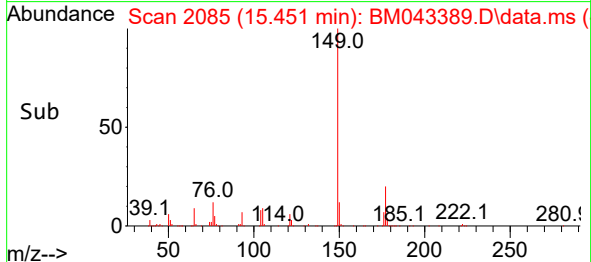
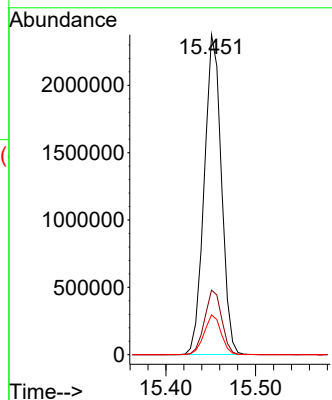
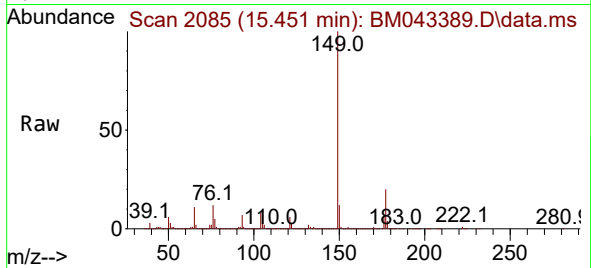




#59
Diethylphthalate
Concen: 40.702 ng/ul
RT: 15.451 min Scan# 2085
Delta R.T. 0.000 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

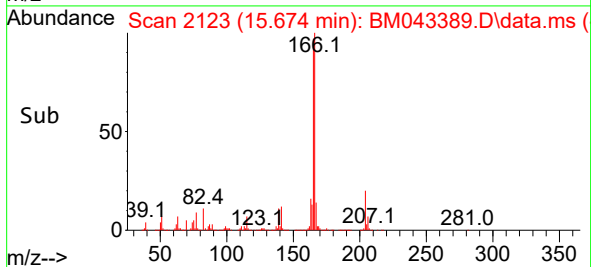
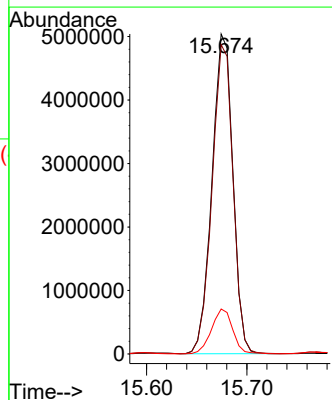
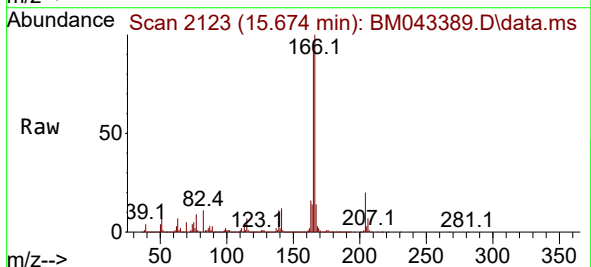
Instrument :
BNA_M
ClientSampleId :
DCLF3MS

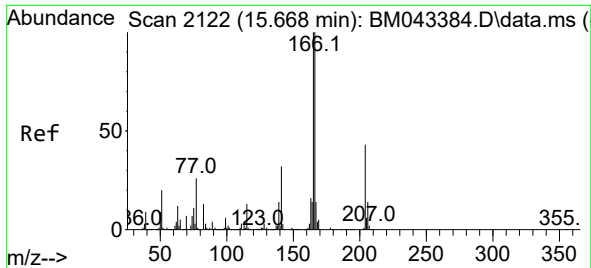
Tgt Ion:149 Resp: 3149945
Ion Ratio Lower Upper
149 100
177 20.2 16.6 24.8
150 12.5 9.7 14.5



#61
Fluorene
Concen: 96.297 ng/ul
RT: 15.674 min Scan# 2123
Delta R.T. 0.006 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

Tgt Ion:166 Resp: 7294437
Ion Ratio Lower Upper
166 100
165 96.7 76.9 115.3
167 14.0 10.9 16.3

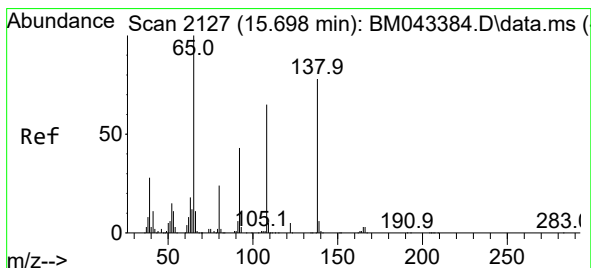
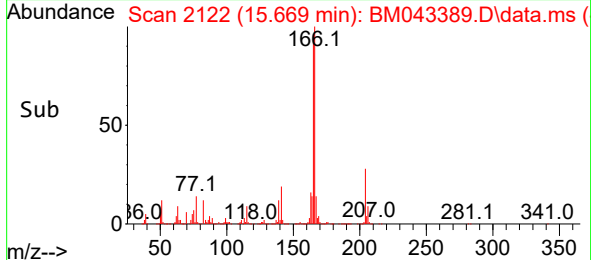
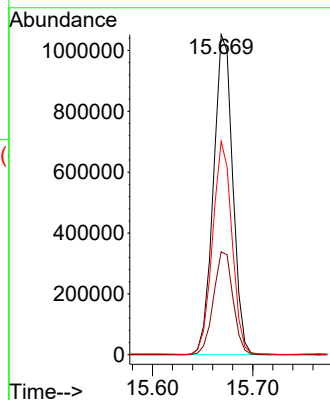
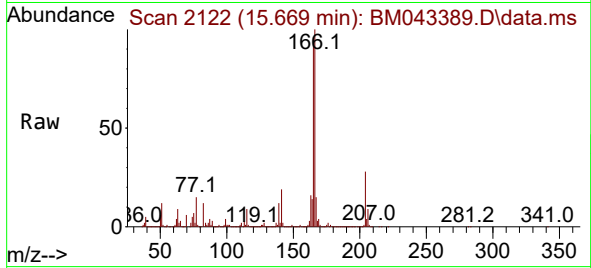




#62
4-Chlorophenyl-phenylether
Concen: 42.027 ng/ul
RT: 15.669 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

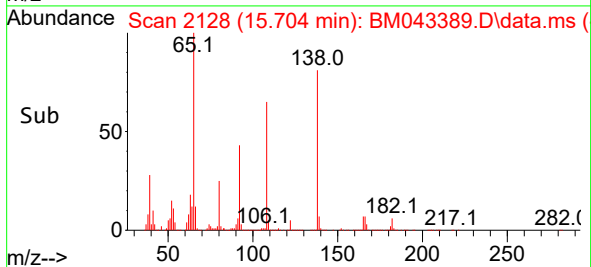
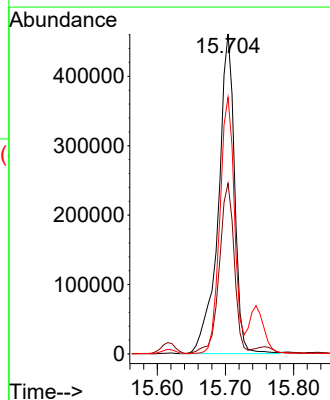
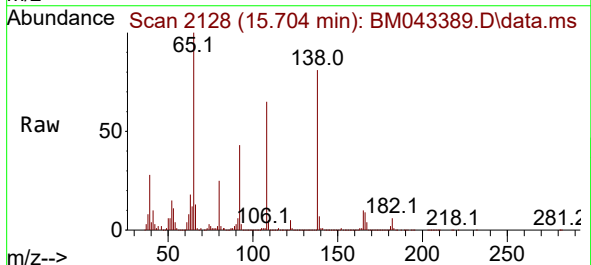
Instrument :
BNA_M
ClientSampleId :
DCLF3MS

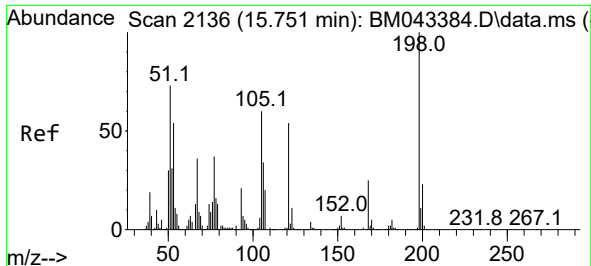
Tgt Ion:204 Resp: 1400319
Ion Ratio Lower Upper
204 100
206 32.2 25.3 37.9
141 66.6 54.2 81.2



#63
4-Nitroaniline
Concen: 50.033 ng/ul
RT: 15.704 min Scan# 2128
Delta R.T. 0.006 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

Tgt Ion:138 Resp: 767574
Ion Ratio Lower Upper
138 100
92 53.3 43.9 65.9
108 80.2 67.0 100.6

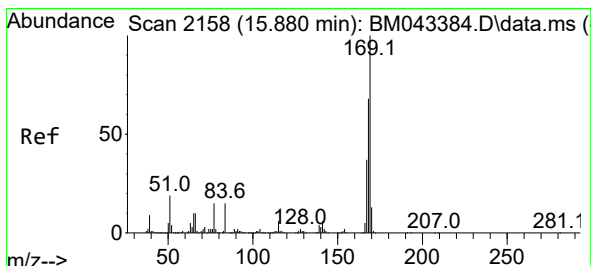
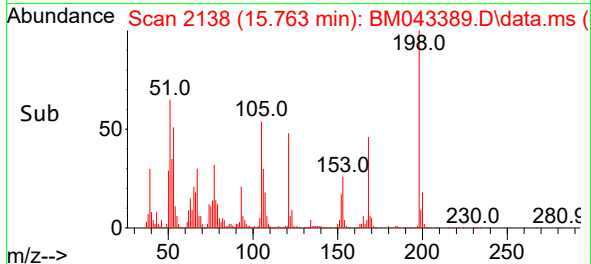
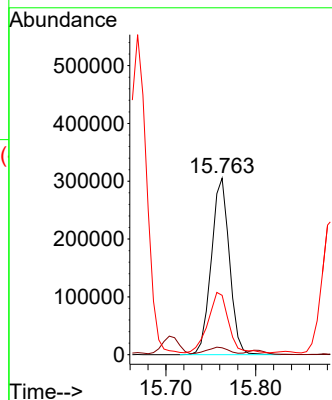
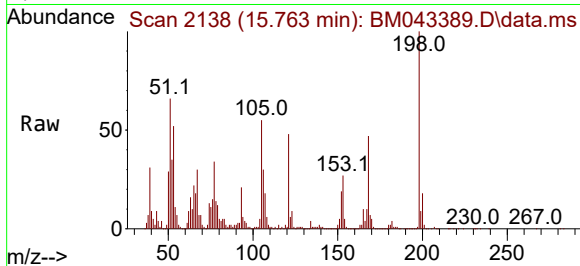




#66
4,6-Dinitro-2-methylphenol
Concen: 40.821 ng/ul
RT: 15.763 min Scan# 2136
Delta R.T. 0.012 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

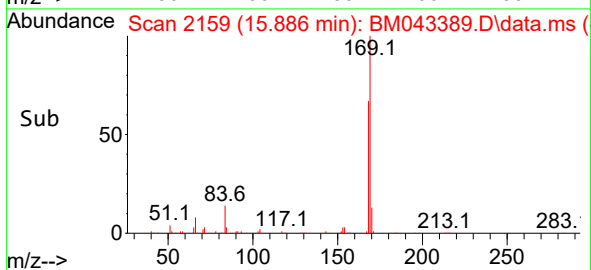
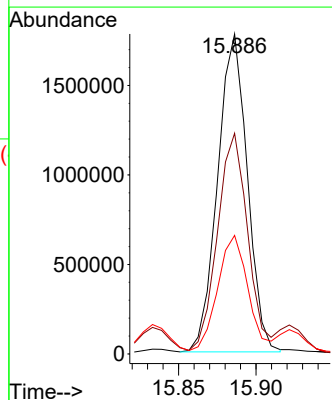
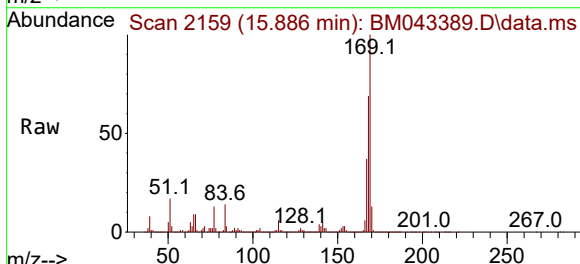
Instrument :
BNA_M
ClientSampleId :
DCLF3MS

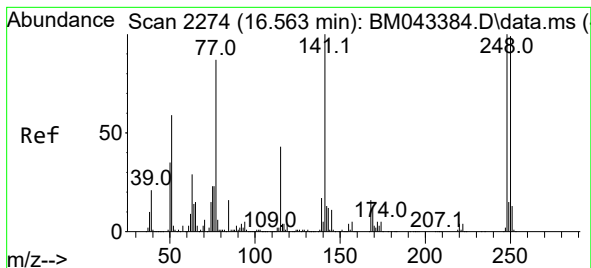
Tgt Ion:198 Resp: 427564
Ion Ratio Lower Upper
198 100
182 3.9 3.8 5.6
77 33.6 27.6 41.4



#67
N-Nitrosodiphenylamine
Concen: 41.498 ng/ul
RT: 15.886 min Scan# 2159
Delta R.T. 0.006 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

Tgt Ion:169 Resp: 2364422
Ion Ratio Lower Upper
169 100
168 68.9 54.1 81.1
167 37.1 29.8 44.8

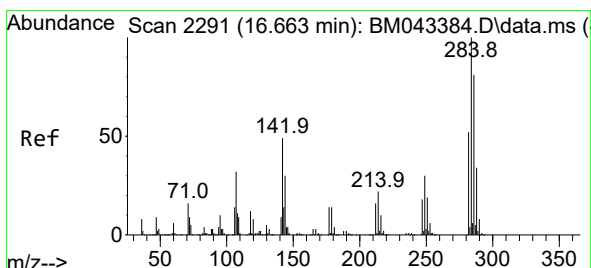
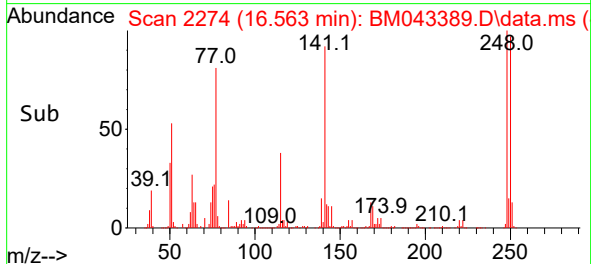
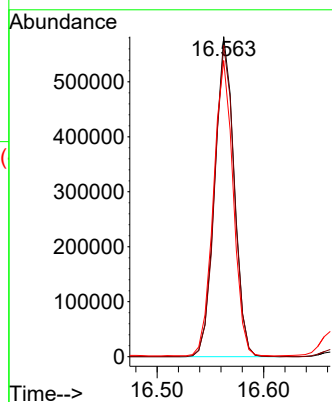
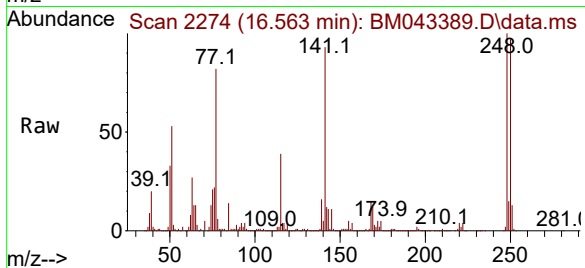




#68
4-Bromophenyl-phenylether
Concen: 41.953 ng/ul
RT: 16.563 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

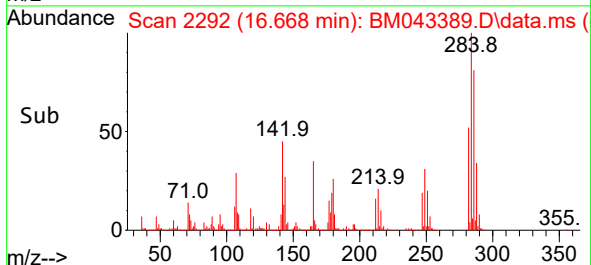
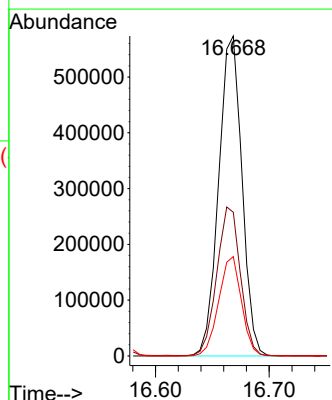
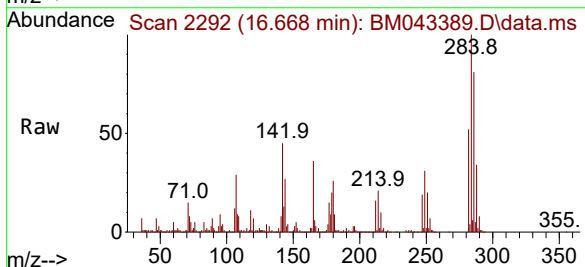
Instrument :
BNA_M
ClientSampleId :
DCLF3MS

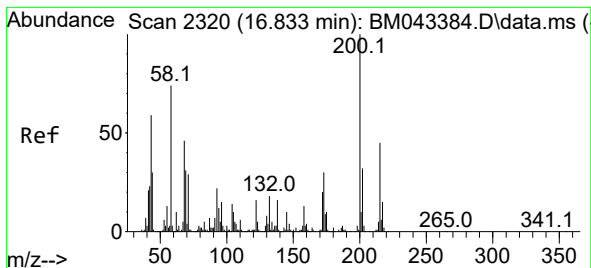
Tgt Ion:248 Resp: 737274
Ion Ratio Lower Upper
248 100
250 97.3 78.6 118.0
141 92.6 70.1 105.1



#69
Hexachlorobenzene
Concen: 40.605 ng/ul
RT: 16.668 min Scan# 2292
Delta R.T. 0.006 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

Tgt Ion:284 Resp: 817537
Ion Ratio Lower Upper
284 100
142 44.9 34.5 51.7
249 31.1 23.8 35.6





#70

Atrazine

Concen: 36.569 ng/ul

RT: 16.845 min Scan# 21

Delta R.T. 0.012 min

Lab File: BM043389.D

Acq: 18 Dec 2023 12:40

Instrument :

BNA_M

ClientSampleId :

DCLF3MS

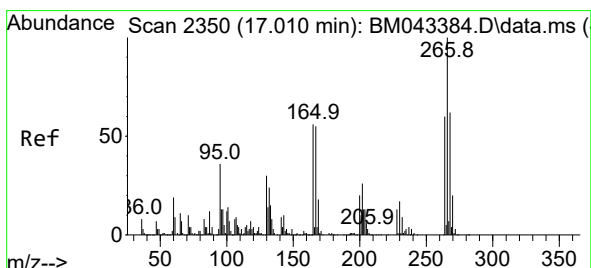
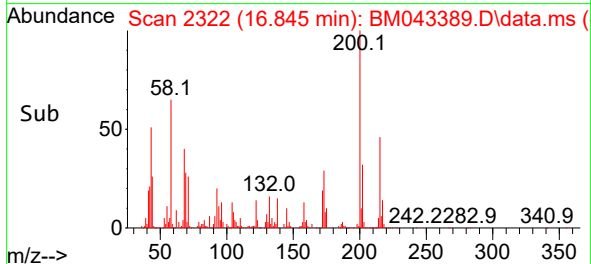
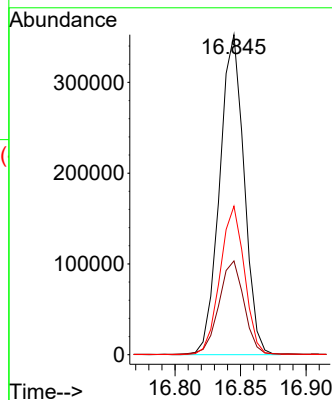
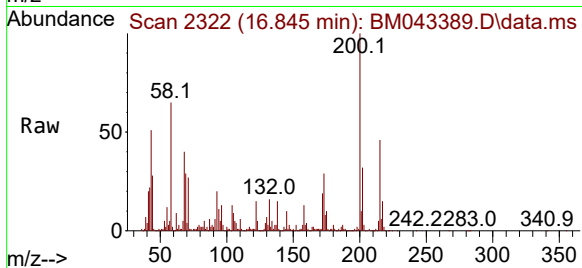
Tgt Ion:200 Resp: 456704

Ion Ratio Lower Upper

200 100

173 29.3 23.4 35.2

215 46.4 37.8 56.8



#71

Pentachlorophenol

Concen: 38.856 ng/ul

RT: 17.015 min Scan# 2351

Delta R.T. 0.006 min

Lab File: BM043389.D

Acq: 18 Dec 2023 12:40

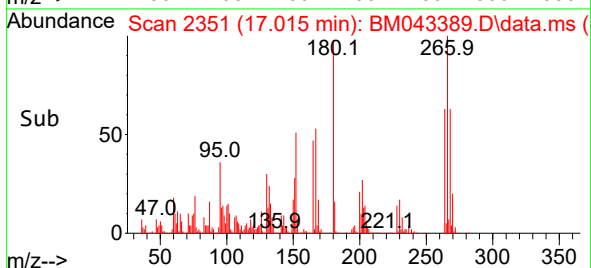
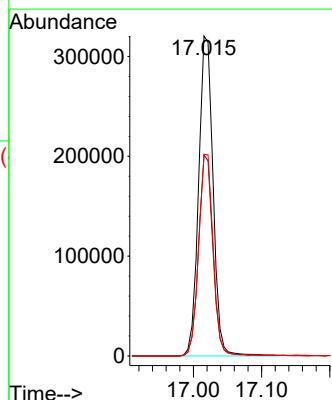
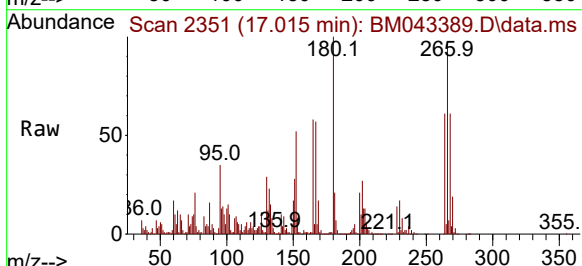
Tgt Ion:266 Resp: 472951

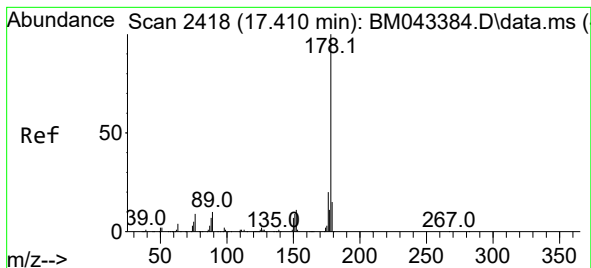
Ion Ratio Lower Upper

266 100

264 62.8 49.9 74.9

268 63.0 51.0 76.6





#72

Phenanthrene

Concen: 1.569 ng/ul

RT: 17.563 min Scan# 2418

Delta R.T. 0.153 min

Lab File: BM043389.D

Acq: 18 Dec 2023 12:40

Instrument :

BNA_M

ClientSampleId :

DCLF3MS

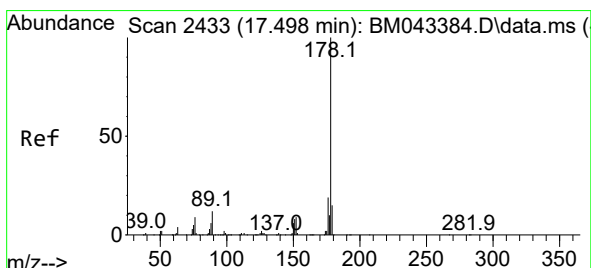
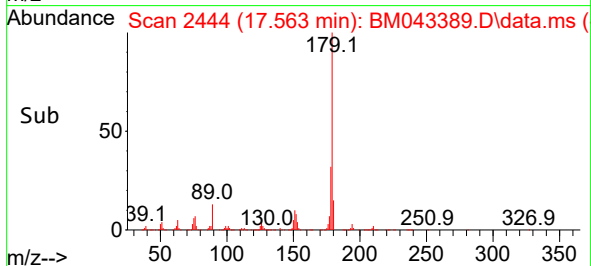
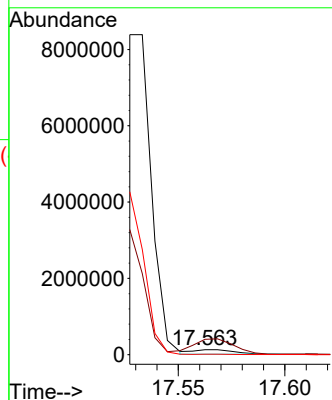
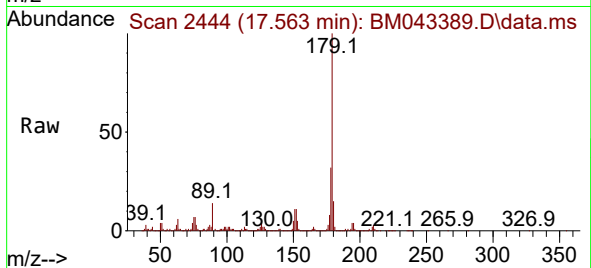
Tgt Ion:178 Resp: 157748

Ion Ratio Lower Upper

178 100

179 313.8 12.2 18.4#

176 8.9 15.5 23.3#



#74

Anthracene

Concen: 1.555 ng/ul

RT: 17.563 min Scan# 2444

Delta R.T. 0.065 min

Lab File: BM043389.D

Acq: 18 Dec 2023 12:40

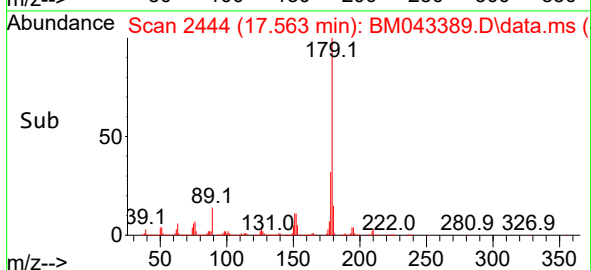
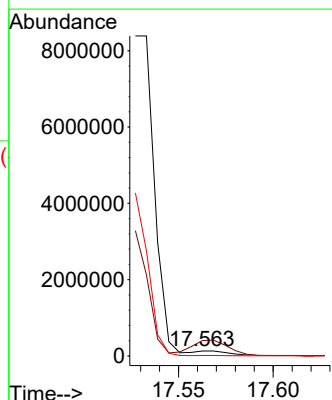
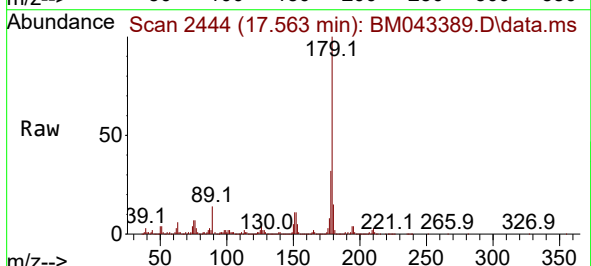
Tgt Ion:178 Resp: 157769

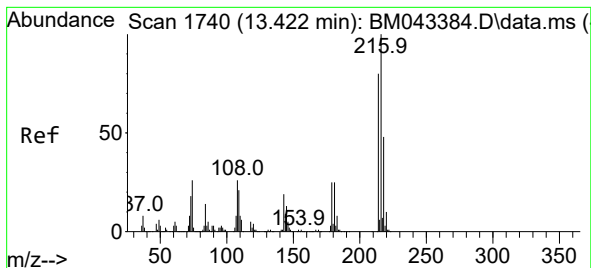
Ion Ratio Lower Upper

178 100

179 313.8 12.4 18.6#

176 8.9 15.2 22.8#





#75

1,2,3,4-Tetrachlorobenzene

Concen: 45.064 ng/uL

RT: 13.427 min Scan# 1

Delta R.T. 0.006 min

Lab File: BM043389.D

Acq: 18 Dec 2023 12:40

Instrument :

BNA_M

ClientSampleId :

DCLF3MS

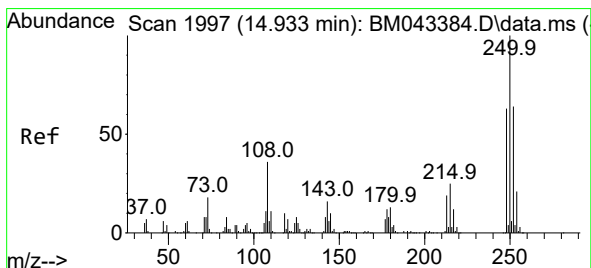
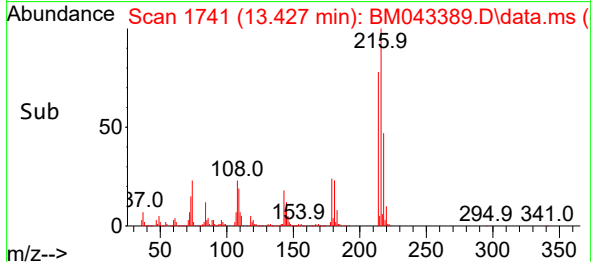
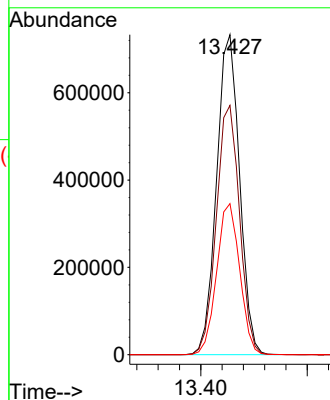
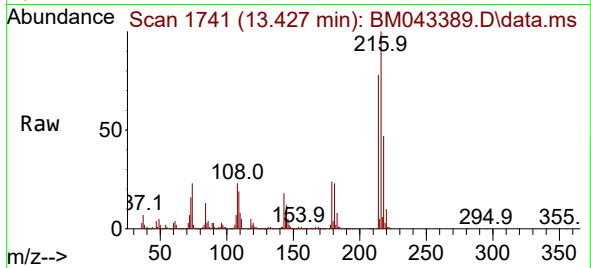
Tgt Ion:216 Resp: 1097788

Ion Ratio Lower Upper

216 100

214 77.9 63.0 94.6

218 47.2 38.6 57.8



#76

Pentachlorobenzene

Concen: 42.191 ng/uL

RT: 14.939 min Scan# 1998

Delta R.T. 0.006 min

Lab File: BM043389.D

Acq: 18 Dec 2023 12:40

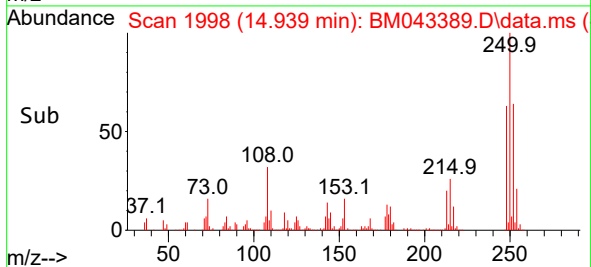
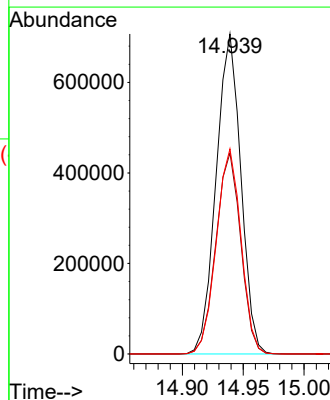
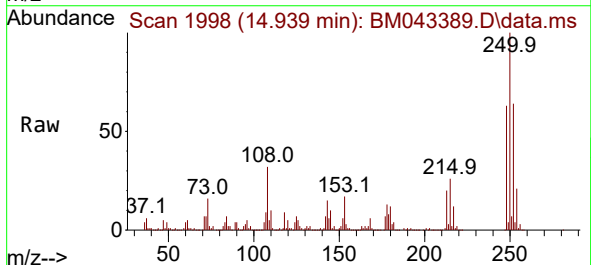
Tgt Ion:250 Resp: 1000788

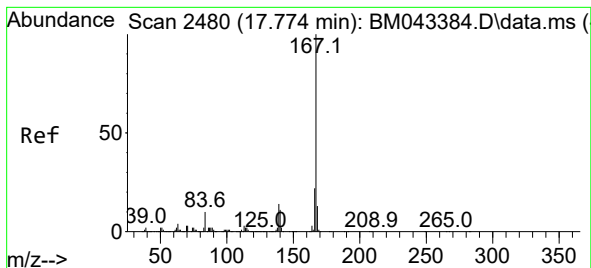
Ion Ratio Lower Upper

250 100

248 62.8 49.0 73.4

252 64.1 49.6 74.4





#77

Carbazole

Concen: 70.708 ng/ul

RT: 17.780 min Scan# 24

Delta R.T. 0.006 min

Lab File: BM043389.D

Acq: 18 Dec 2023 12:40

Instrument :

BNA_M

ClientSampleId :

DCLF3MS

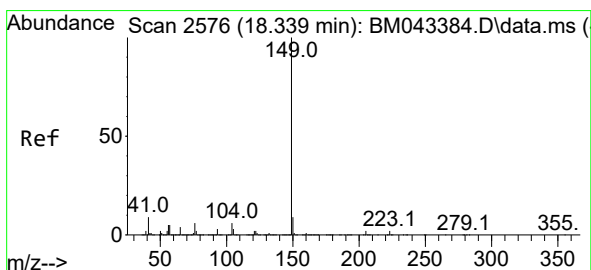
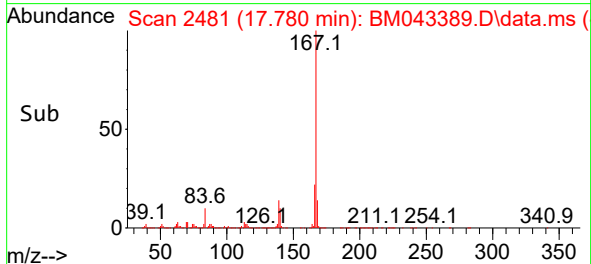
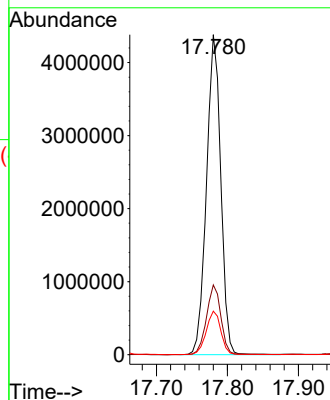
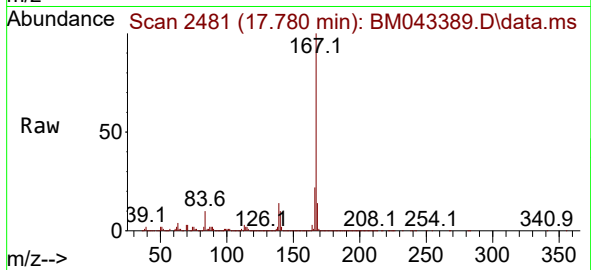
Tgt Ion:167 Resp: 6123090

Ion Ratio Lower Upper

167 100

166 21.8 17.3 25.9

139 13.6 10.7 16.1



#78

Di-n-butylphthalate

Concen: 46.485 ng/ul

RT: 18.345 min Scan# 2577

Delta R.T. 0.006 min

Lab File: BM043389.D

Acq: 18 Dec 2023 12:40

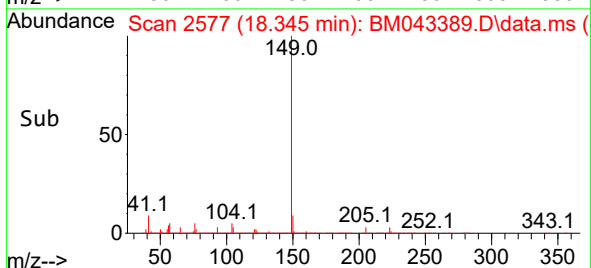
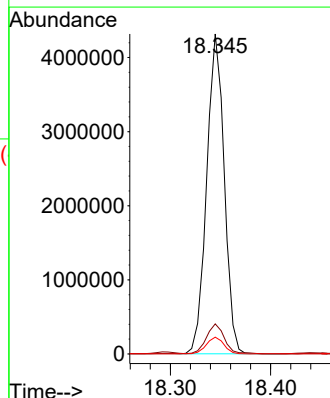
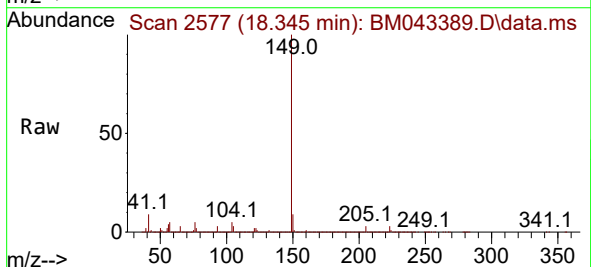
Tgt Ion:149 Resp: 5262565

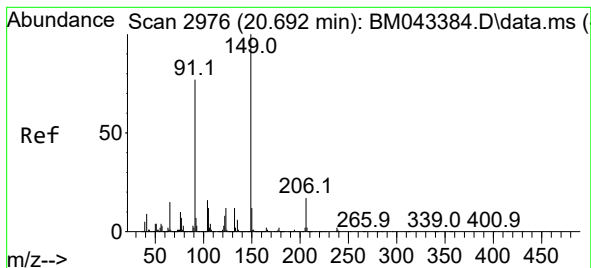
Ion Ratio Lower Upper

149 100

150 9.4 7.4 11.0

104 5.3 4.2 6.2





#83

Butylbenzylphthalate

Concen: 43.256 ng/ul

RT: 20.692 min Scan# 2976

Delta R.T. 0.006 min

Lab File: BM043389.D

Acq: 18 Dec 2023 12:40

Instrument :

BNA_M

ClientSampleId :

DCLF3MS

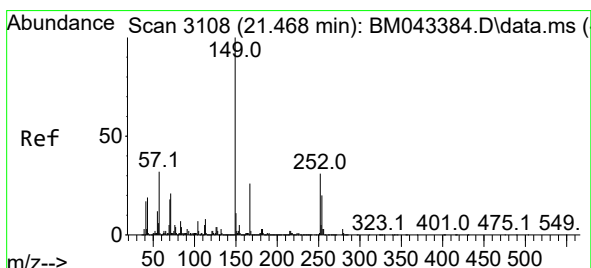
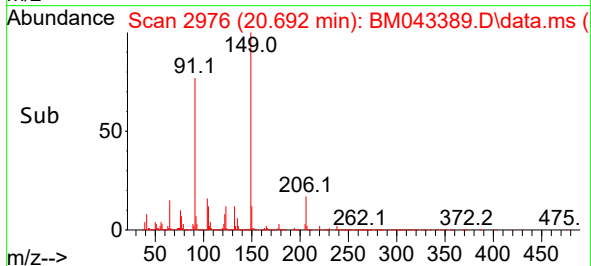
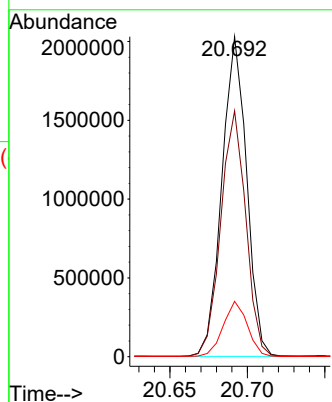
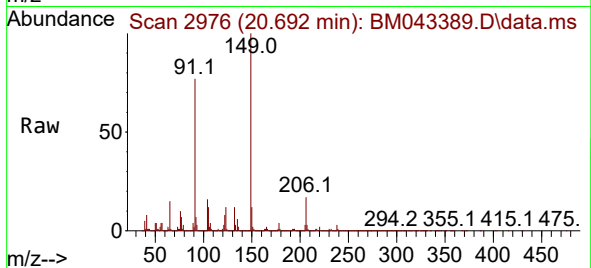
Tgt Ion:149 Resp: 2250657

Ion Ratio Lower Upper

149 100

91 76.8 60.5 90.7

206 17.3 13.9 20.9



#84

3,3'-Dichlorobenzidine

Concen: 39.341 ng/ul

RT: 21.468 min Scan# 3108

Delta R.T. 0.012 min

Lab File: BM043389.D

Acq: 18 Dec 2023 12:40

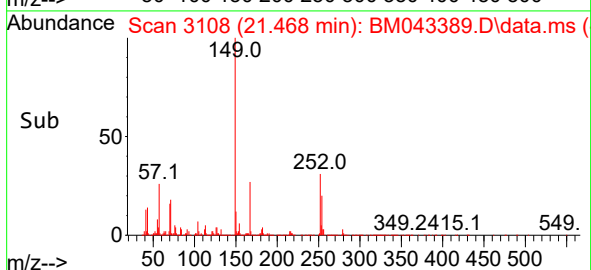
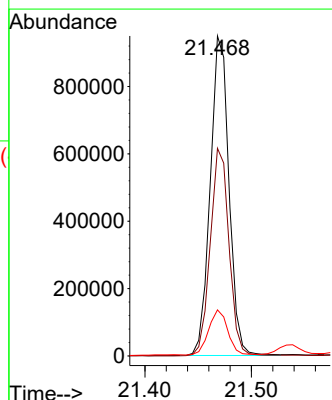
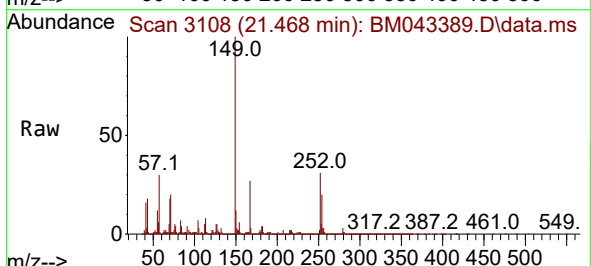
Tgt Ion:252 Resp: 1160149

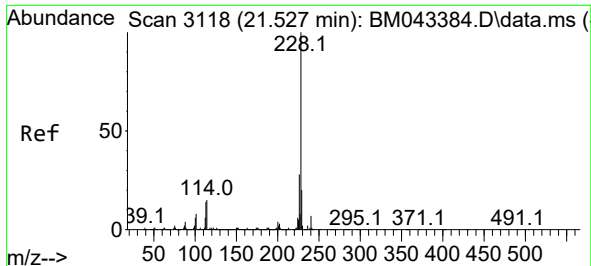
Ion Ratio Lower Upper

252 100

254 64.9 50.7 76.1

126 14.4 12.3 18.5

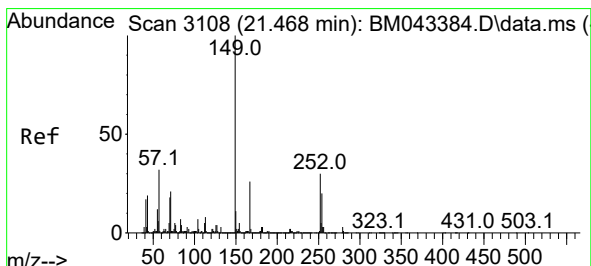
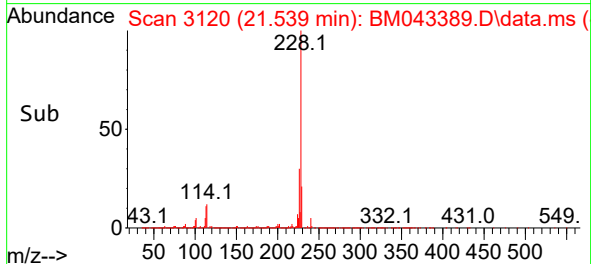
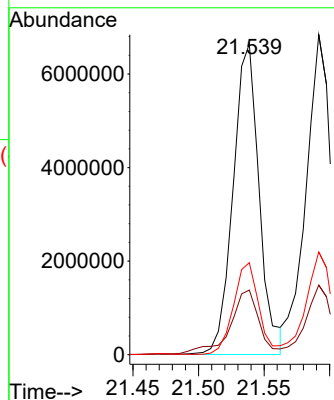
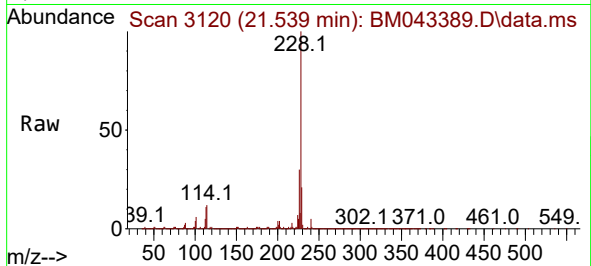




#85
Benzo(a)anthracene
Concen: 91.738 ng/ul
RT: 21.539 min Scan# 3118
Delta R.T. 0.018 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

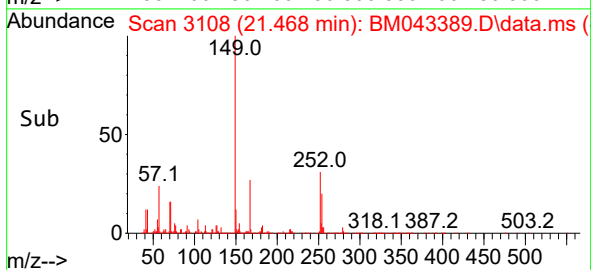
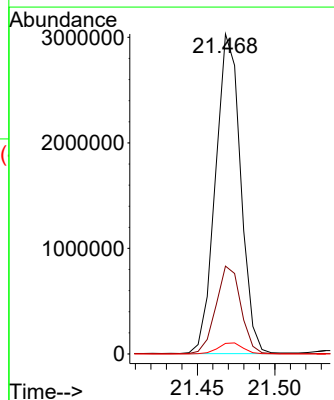
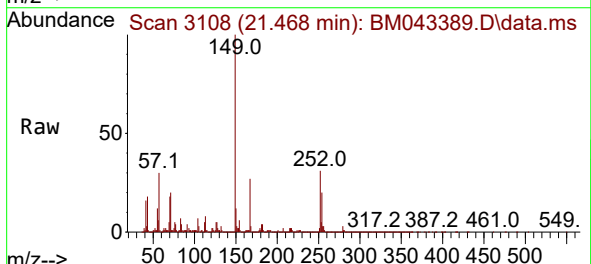
Instrument :
BNA_M
ClientSampleId :
DCLF3MS

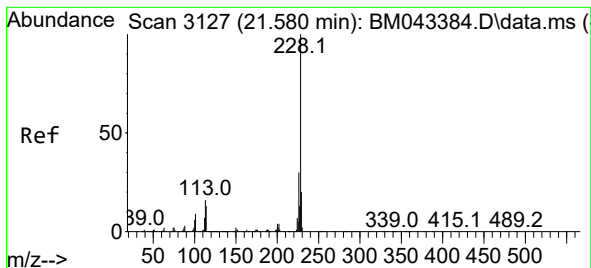
Tgt Ion:228 Resp: 9185162
Ion Ratio Lower Upper
228 100
229 20.8 15.6 23.4
226 29.6 22.2 33.2



#86
Bis(2-ethylhexyl)phthalate
Concen: 46.124 ng/ul
RT: 21.468 min Scan# 3108
Delta R.T. 0.006 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

Tgt Ion:149 Resp: 3416657
Ion Ratio Lower Upper
149 100
167 27.5 21.6 32.4
279 3.3 2.8 4.2





#87

Chrysene

Concen: 99.704 ng/ul

RT: 21.592 min Scan# 3129

Delta R.T. 0.018 min

Lab File: BM043389.D

Acq: 18 Dec 2023 12:40

Instrument :

BNA_M

ClientSampleId :

DCLF3MS

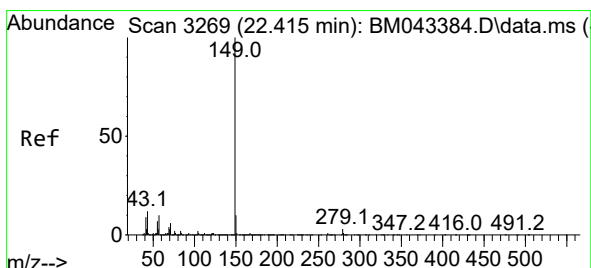
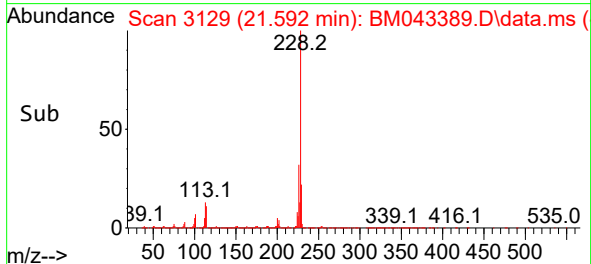
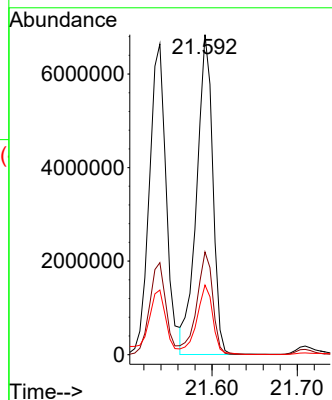
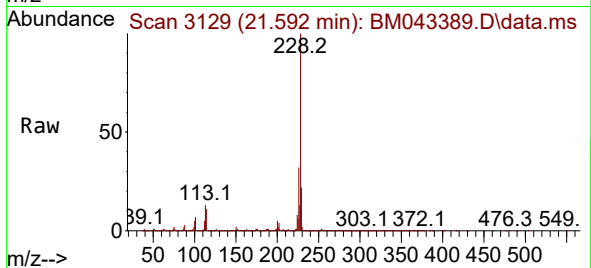
Tgt Ion:228 Resp: 8980710

Ion Ratio Lower Upper

228 100

226 32.1 24.2 36.2

229 21.8 15.9 23.9



#89

Di-n-octyl phthalate

Concen: 48.302 ng/ul

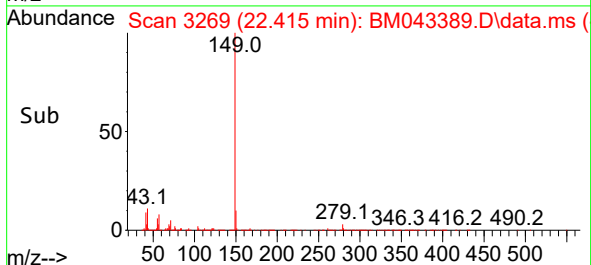
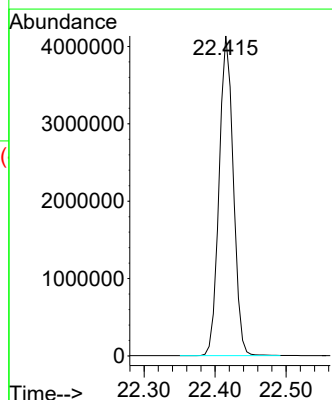
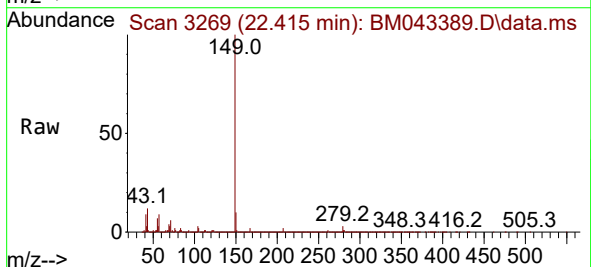
RT: 22.415 min Scan# 3269

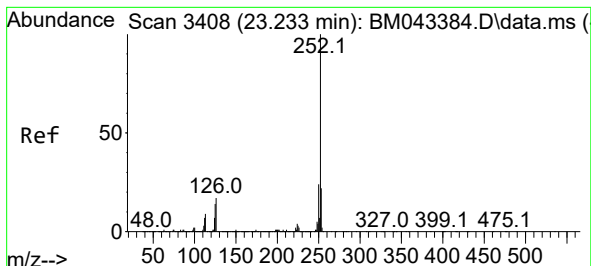
Delta R.T. 0.012 min

Lab File: BM043389.D

Acq: 18 Dec 2023 12:40

Tgt Ion:149 Resp: 5718027





#90

Benzo(b)fluoranthene

Concen: 72.946 ng/ul

RT: 23.244 min Scan# 34

Delta R.T. 0.024 min

Lab File: BM043389.D

Acq: 18 Dec 2023 12:40

Instrument :

BNA_M

ClientSampleId :

DCLF3MS

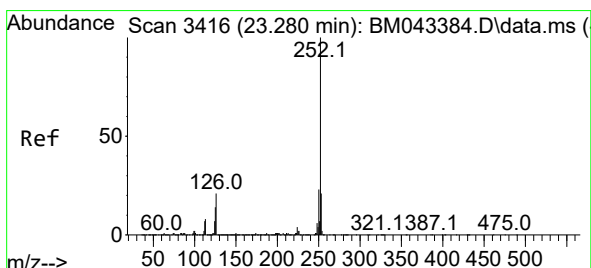
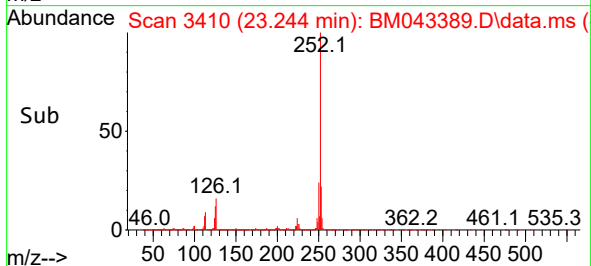
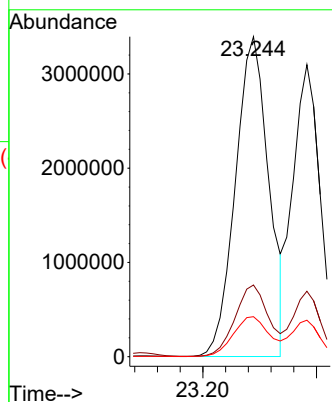
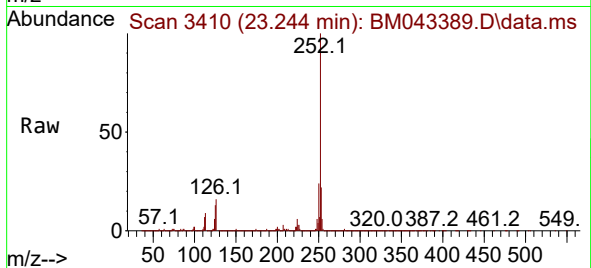
Tgt Ion:252 Resp: 6917816

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

125 12.5 10.4 15.6



#91

Benzo(k)fluoranthene

Concen: 55.539 ng/ul

RT: 23.292 min Scan# 3418

Delta R.T. 0.024 min

Lab File: BM043389.D

Acq: 18 Dec 2023 12:40

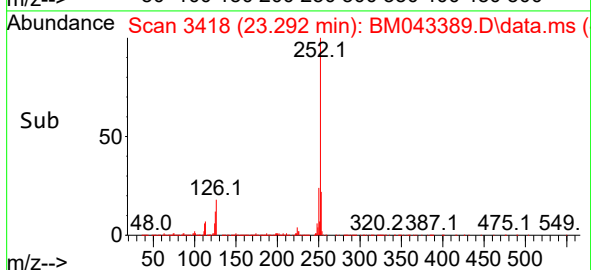
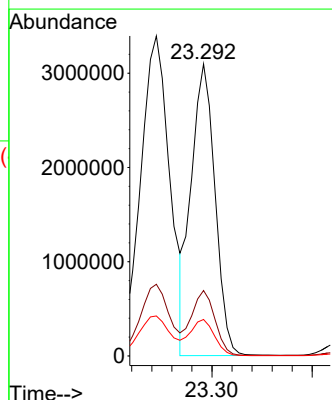
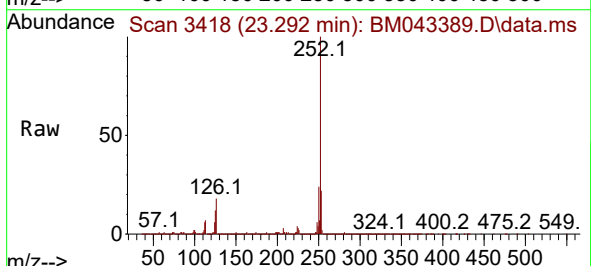
Tgt Ion:252 Resp: 5136993

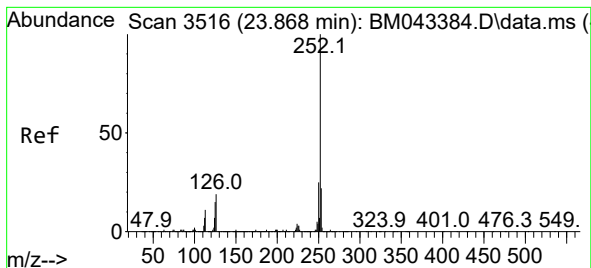
Ion Ratio Lower Upper

252 100

253 22.4 17.5 26.3

125 12.5 10.2 15.4





#93

Benzo(a)pyrene

Concen: 61.092 ng/ul

RT: 23.880 min Scan# 3516

Delta R.T. 0.030 min

Lab File: BM043389.D

Acq: 18 Dec 2023 12:40

Instrument :

BNA_M

ClientSampleId :

DCLF3MS

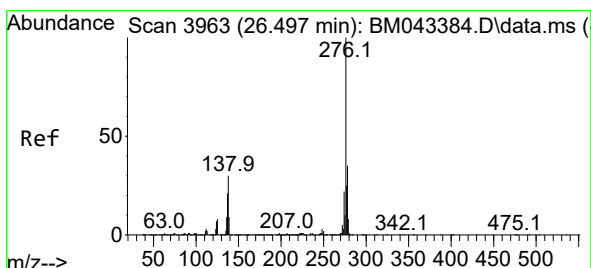
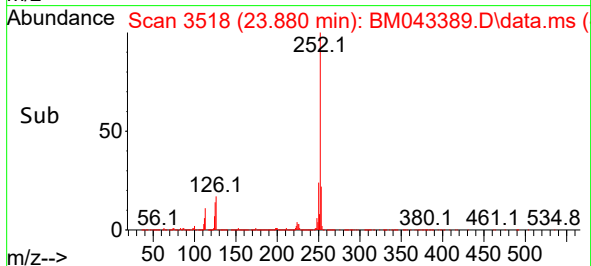
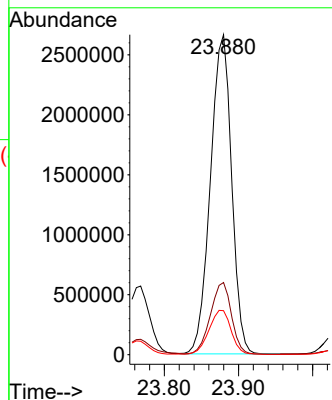
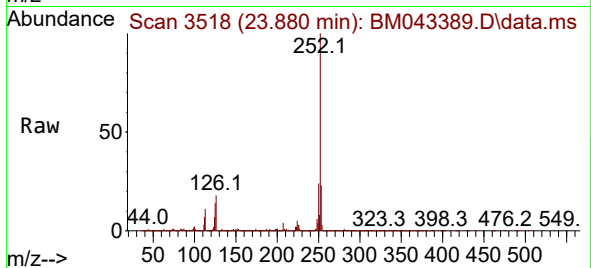
Tgt Ion:252 Resp: 5285865

Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

125 13.8 11.4 17.2



#94

Indeno(1,2,3-cd)pyrene

Concen: 51.022 ng/ul

RT: 26.521 min Scan# 3967

Delta R.T. 0.041 min

Lab File: BM043389.D

Acq: 18 Dec 2023 12:40

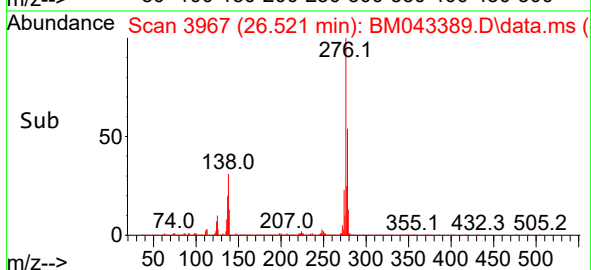
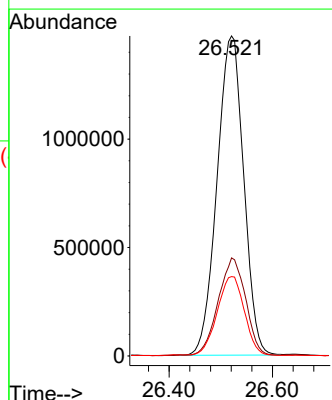
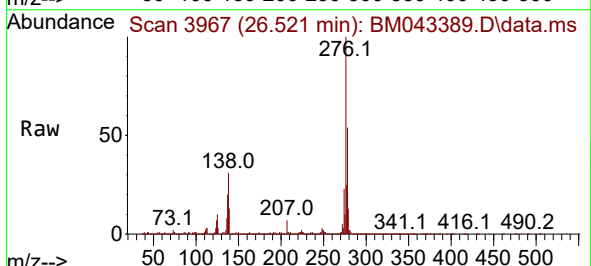
Tgt Ion:276 Resp: 5271133

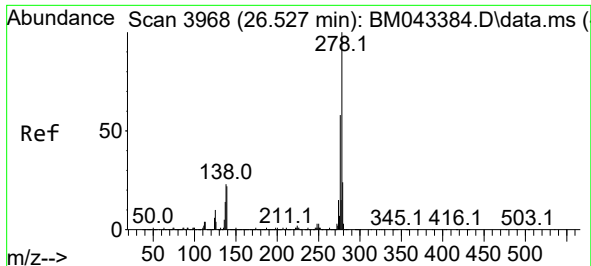
Ion Ratio Lower Upper

276 100

138 30.6 22.6 34.0

277 24.8 19.7 29.5

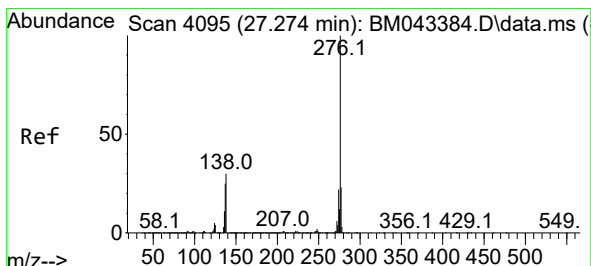
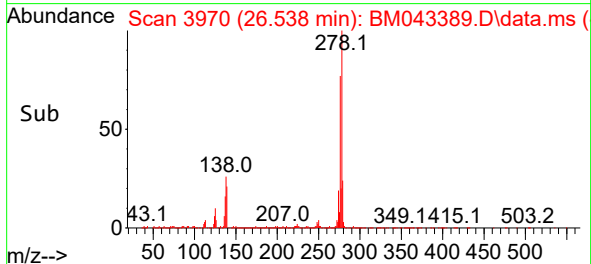
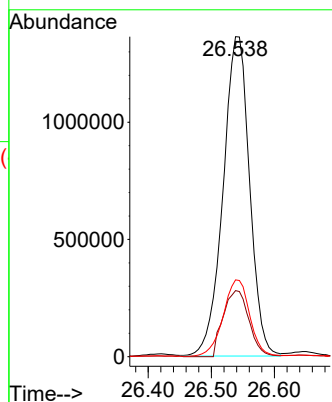
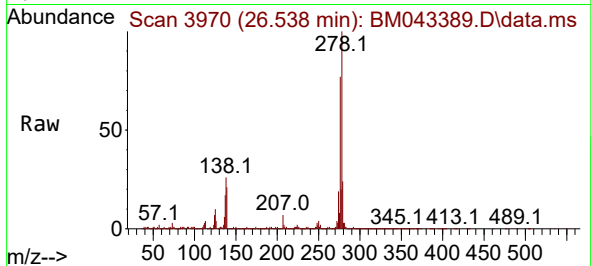




#95
Dibenzo(a,h)anthracene
Concen: 46.484 ng/ul
RT: 26.538 min Scan# 3970
Delta R.T. 0.035 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

Instrument :
BNA_M
ClientSampleId :
DCLF3MS

Tgt Ion:278 Resp: 3976546
Ion Ratio Lower Upper
278 100
139 20.6 16.0 24.0
279 24.0 19.4 29.0



#96
Benzo(g,h,i)perylene
Concen: 50.589 ng/ul
RT: 27.297 min Scan# 4099
Delta R.T. 0.047 min
Lab File: BM043389.D
Acq: 18 Dec 2023 12:40

Tgt Ion:276 Resp: 4096938
Ion Ratio Lower Upper
276 100
138 28.2 22.4 33.6
277 23.9 19.1 28.7

