

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121823\
 Data File : BM043390.D
 Acq On : 18 Dec 2023 13:16
 Operator : MA/JU
 Sample : 05626-07MSD
 Misc :
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 DCLF3MSD

Quant Time: Dec 19 00:27:10 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	7.992	152	435014	20.000	ng/u1	0.00
20) Naphthalene-d8	10.804	136	1833102	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.627	164	915004	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.374	188	1527624	20.000	ng/u1	0.01
79) Chrysene-d12	21.550	240	1151121	20.000	ng/u1	0.01
88) Perylene-d12	23.980	264	1226890	20.000	ng/u1	0.02
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.387	96	73900	5.521	ng/uL	0.00
4) Pyridine-d5	3.804	84	1109764	28.808	ng/u1	0.00
7) Phenol-d5	7.157	99	1586387	32.057	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.334	67	1012305	32.300	ng/u1	0.00
11) 2-Chlorophenol-d4	7.522	132	1215044	32.158	ng/u1	0.00
15) 4-Methylphenol-d8	8.710	113	1201796	31.296	ng/u1	0.00
21) Nitrobenzene-d5	9.169	128	604271	34.071	ng/u1	0.00
24) 2-Nitrophenol-d4	9.886	143	640945	34.976	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.428	165	1082437	33.461	ng/u1	0.00
31) 4-Chloroaniline-d4	10.945	131	1394513	29.302	ng/u1	0.00
46) Dimethylphthalate-d6	14.045	166	2711216	32.915	ng/u1	0.00
49) Acenaphthylene-d8	14.321	160	3306991	33.844	ng/u1	0.00
54) 4-Nitrophenol-d4	14.833	143	490316	31.451	ng/u1	0.01
60) Fluorene-d10	15.615	176	2212735	32.487	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.745	200	322991	31.969	ng/u1	0.01
73) Anthracene-d10	17.480	188	2833664	33.075	ng/u1	0.02
81) Pyrene-d10	19.762	212	2939534	32.345	ng/u1	0.01
92) Benzo(a)pyrene-d12	23.821	264	2585535	34.150	ng/u1	0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.422	88	179276	12.123	ng/uL	96
5) Pyridine	3.828	79	1350677	33.904	ng/u1	100
6) Benzaldehyde	7.140	77	899174	38.321	ng/u1	98
8) Phenol	7.187	94	1775963	36.479	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.428	93	1437404	36.368	ng/u1	98
12) 2-Chlorophenol	7.557	128	1374834	35.719	ng/u1	98
13) 2-Methylphenol	8.439	108	1313751	35.538	ng/u1	100
14) 2,2'-oxybis(1-Chloropr...	8.528	45	2393995	36.069	ng/u1	98
16) Acetophenone	8.828	105	2047319	34.823	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.822	70	1157265	32.979	ng/u1	97
18) 4-Methylphenol	8.775	108	1399098	34.920	ng/u1	99
19) Hexachloroethane	9.069	117	591413	36.440	ng/u1	98
22) Nitrobenzene	9.210	77	1658953	37.796	ng/u1	98
23) Isophorone	9.739	82	3154342	35.428	ng/u1	99
25) 2-Nitrophenol	9.922	139	754196	38.725	ng/u1	98
26) 2,4-Dimethylphenol	9.981	107	1214894	35.017	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.228	93	1889632	35.943	ng/u1	99
29) 2,4-Dichlorophenol	10.451	162	1160927	36.980	ng/u1	99
30) Naphthalene	10.857	128	4854093	41.549	ng/u1	100
32) 4-Chloroaniline	10.969	127	1274303	27.845	ng/u1	99
33) Hexachlorobutadiene	11.128	225	607923	37.980	ng/u1	99
34) Caprolactam	11.769	113	401505	40.021	ng/u1	99
35) 4-Chloro-3-methylphenol	12.092	107	1272015	34.496	ng/u1	100
36) 2-Methylnaphthalene	12.463	142	3450209	43.385	ng/u1	99

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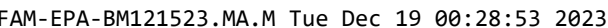
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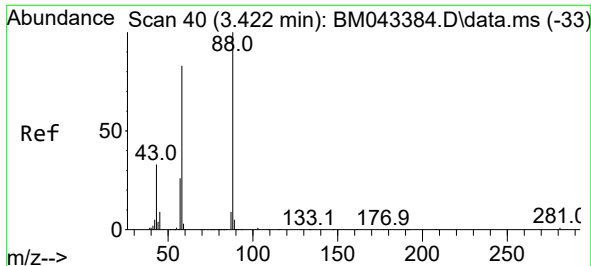
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 Quant Title : SVOA CALIBRATION
 QLast Update : Fri Dec 15 22:09:25 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.680	142	3185329	39.711	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.822	216	1119271	40.147	ng/ul	98
40) Hexachlorocyclopentadiene	12.792	237	484915	27.721	ng/ul	97
41) 2,4,6-Trichlorophenol	13.063	196	765318	38.619	ng/ul	100
42) 2,4,5-Trichlorophenol	13.139	196	805882	38.299	ng/ul	98
43) 1,1'-Biphenyl	13.469	154	3619639	41.499	ng/ul	99
44) 2-Chloronaphthalene	13.510	162	2622214	39.213	ng/ul	100
45) 2-Nitroaniline	13.721	65	872291	38.899	ng/ul	96
47) Dimethylphthalate	14.092	163	3015822	37.074	ng/ul	99
48) 2,6-Dinitrotoluene	14.221	165	617509	39.265	ng/ul	99
50) Acenaphthylene	14.351	152	4503210	40.133	ng/ul	99
51) 3-Nitroaniline	14.545	138	678224	37.566	ng/ul	99
52) Acenaphthene	14.692	153	6449708	87.215	ng/ul	98
53) 2,4-Dinitrophenol	14.751	184	296033	35.360	ng/ul	95
55) 4-Nitrophenol	14.845	109	452147	37.351	ng/ul	96
56) Dibenzofuran	15.027	168	7336846	76.818	ng/ul	99
57) 2,4-Dinitrotoluene	15.004	165	838919	37.757	ng/ul	98
58) 2,3,4,6-Tetrachlorophenol	15.251	232	555867	34.480	ng/ul	98
59) Diethylphthalate	15.451	149	3116708	37.388	ng/ul	99
61) Fluorene	15.674	166	7185324	88.061	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.674	204	1384785	38.583	ng/ul	94
63) 4-Nitroaniline	15.704	138	739921	44.775	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.762	198	412061	38.201	ng/ul	98
67) N-Nitrosodiphenylamine	15.886	169	2324473	39.615	ng/ul	99
68) 4-Bromophenyl-phenylether	16.562	248	719271	39.743	ng/ul	96
69) Hexachlorobenzene	16.668	284	792551	38.224	ng/ul	98
70) Atrazine	16.845	200	445692	34.653	ng/ul	98
71) Pentachlorophenol	17.015	266	445839	35.568	ng/ul	99
72) Phenanthrene	17.568	178	150833	1.457	ng/ul#	1
74) Anthracene	17.568	178	150833	1.443	ng/ul#	1
75) 1,2,3,4-Tetrachloroben...	13.427	216	1121766	44.714	ng/uL	99
76) Pentachlorobenzene	14.939	250	998181	40.862	ng/uL	97
77) Carbazole	17.780	167	5788177	64.904	ng/ul	99
78) Di-n-butylphthalate	18.345	149	5025876	43.108	ng/ul	100
83) Butylbenzylphthalate	20.692	149	2085933	41.700	ng/ul	100
84) 3,3'-Dichlorobenzidine	21.468	252	1052016	37.107	ng/ul	98
85) Benzo(a)anthracene	21.539	228	8361672	86.869	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.468	149	3120603	43.819	ng/ul	99
87) Chrysene	21.592	228	8089696	93.420	ng/ul	97
89) Di-n-octyl phthalate	22.415	149	5248600	44.721	ng/ul	100
90) Benzo(b)fluoranthene	23.244	252	6539547	69.555	ng/ul	98
91) Benzo(k)fluoranthene	23.291	252	4812405	52.480	ng/ul	99
93) Benzo(a)pyrene	23.880	252	4881231	56.904	ng/ul	100
94) Indeno(1,2,3-cd)pyrene	26.521	276	4874064	47.587	ng/ul	98
95) Dibenzo(a,h)anthracene	26.544	278	3685904	43.459	ng/ul	99
96) Benzo(g,h,i)perylene	27.297	276	3772455	46.986	ng/ul	100

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

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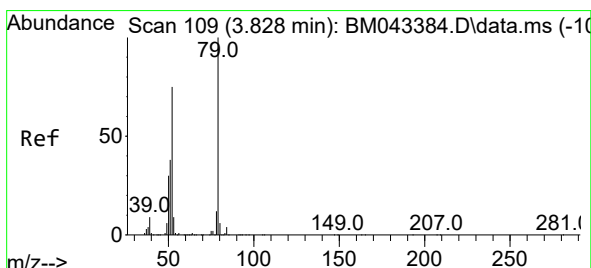
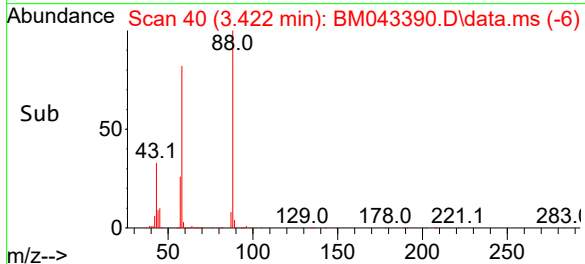
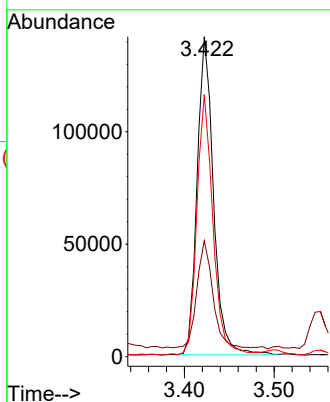
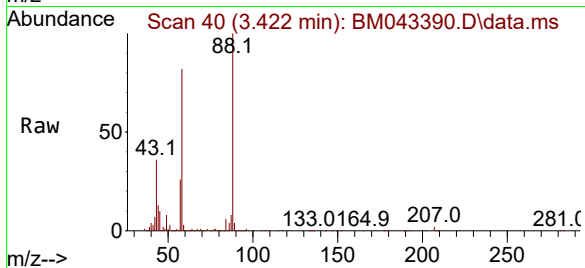




#2
1,4-Dioxane
Concen: 12.123 ng/uL
RT: 3.422 min Scan# 40
Delta R.T. 0.000 min
Lab File: BM043390.D
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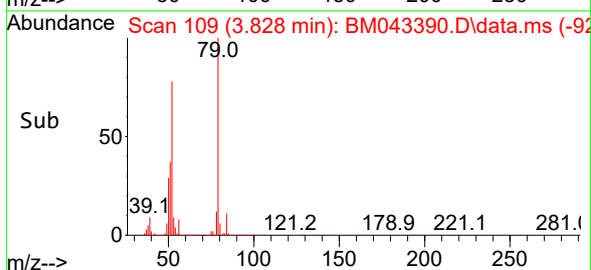
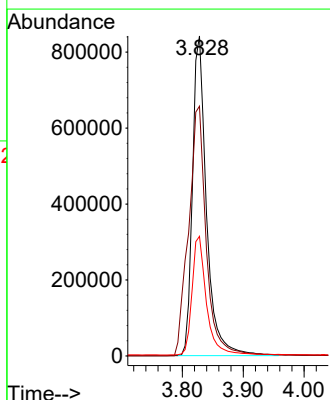
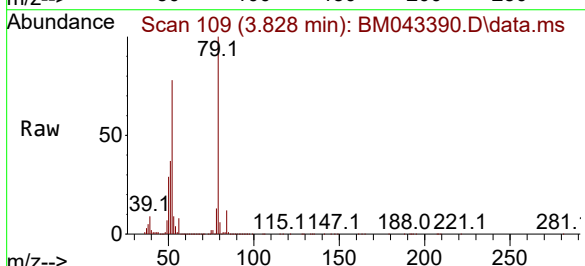
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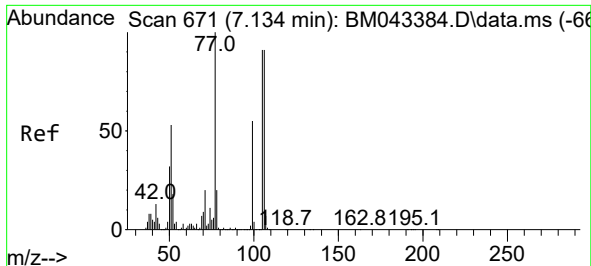
Tgt Ion: 88 Resp: 179276
Ion Ratio Lower Upper
88 100
43 36.3 26.3 39.5
58 81.9 63.1 94.7



#5
Pyridine
Concen: 33.904 ng/uL
RT: 3.828 min Scan# 109
Delta R.T. 0.000 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

Tgt Ion: 79 Resp: 1350677
Ion Ratio Lower Upper
79 100
52 78.1 62.4 93.6
51 37.4 30.6 45.8

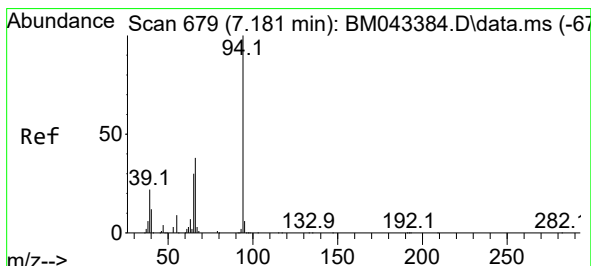
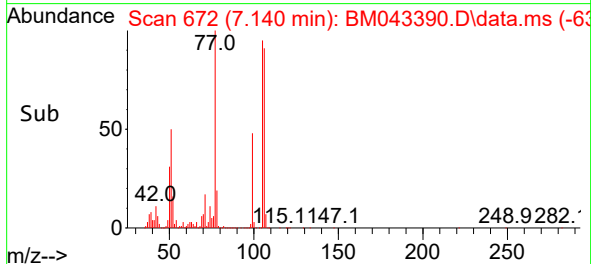
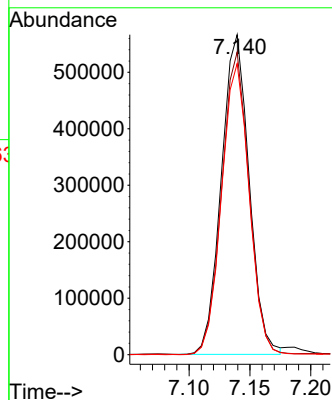
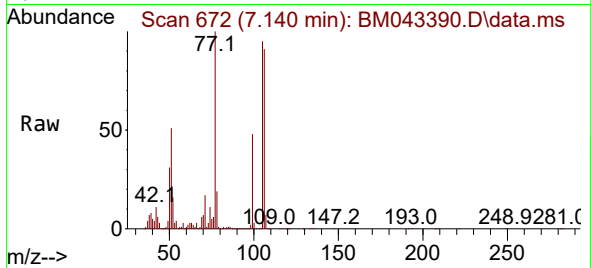




#6
Benzaldehyde
Concen: 38.321 ng/ul
RT: 7.140 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

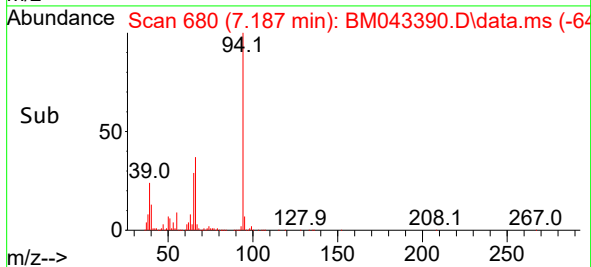
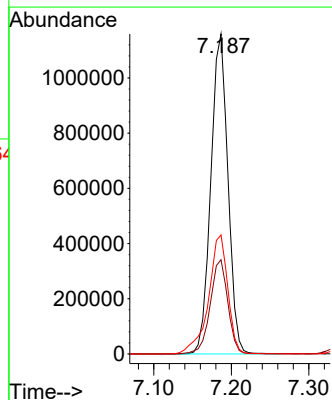
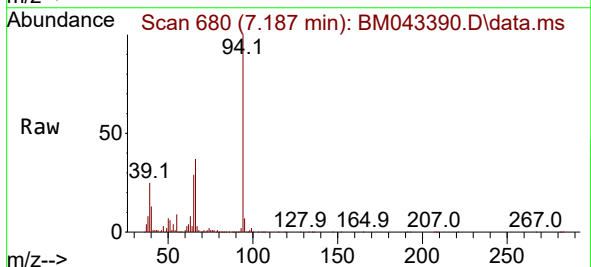
Instrument :
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ClientSampleId :
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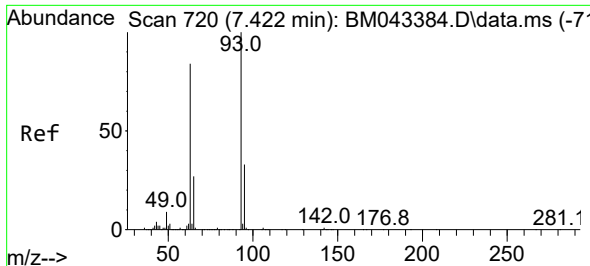
Tgt Ion: 77 Resp: 899174
Ion Ratio Lower Upper
77 100
105 94.5 73.4 110.0
106 91.0 71.4 107.0



#8
Phenol
Concen: 36.479 ng/ul
RT: 7.187 min Scan# 680
Delta R.T. 0.006 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

Tgt Ion: 94 Resp: 1775963
Ion Ratio Lower Upper
94 100
65 29.5 23.7 35.5
66 37.2 30.2 45.4

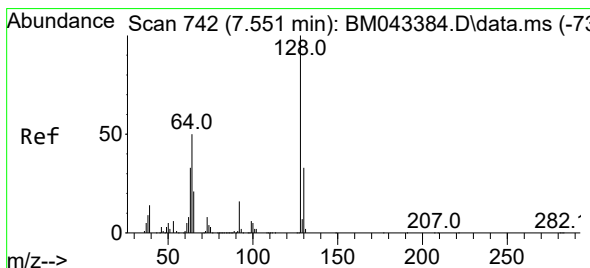
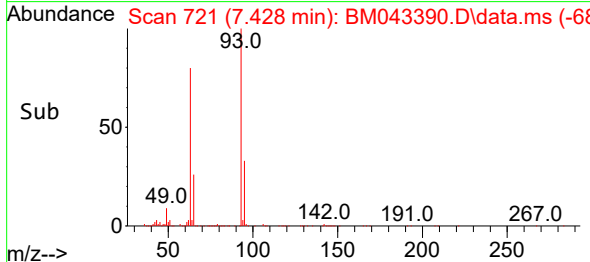
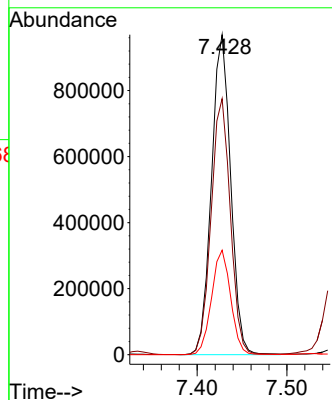
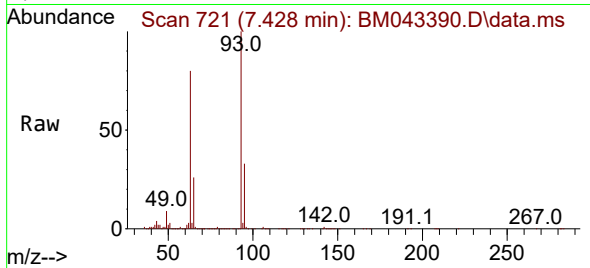




#10
Bis(2-Chloroethyl)ether
Concen: 36.368 ng/ul
RT: 7.428 min Scan# 71
Delta R.T. 0.006 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

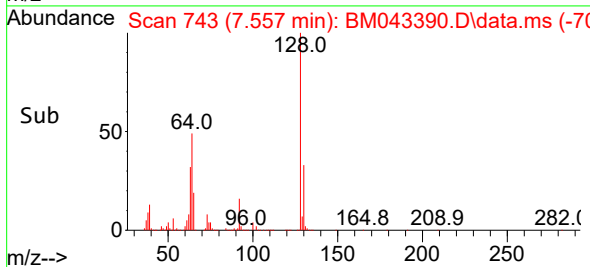
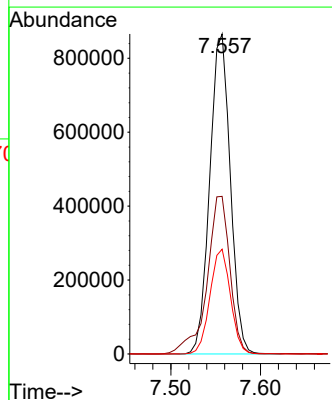
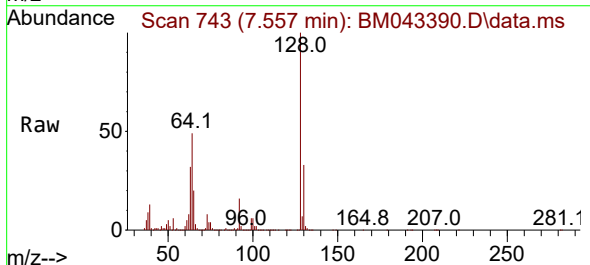
Instrument :
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ClientSampleId :
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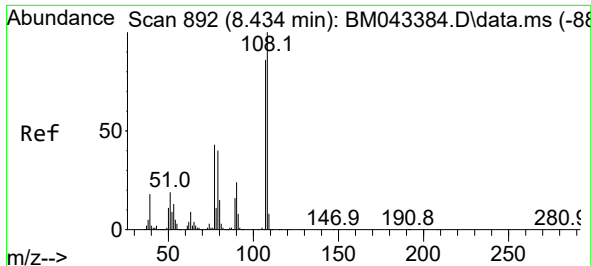
Tgt Ion: 93 Resp: 1437404
Ion Ratio Lower Upper
93 100
63 80.0 65.8 98.8
95 32.6 26.2 39.2



#12
2-Chlorophenol
Concen: 35.719 ng/ul
RT: 7.557 min Scan# 743
Delta R.T. 0.006 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

Tgt Ion:128 Resp: 1374834
Ion Ratio Lower Upper
128 100
64 49.3 40.5 60.7
130 32.7 25.6 38.4





#13

2-Methylphenol

Concen: 35.538 ng/ul

RT: 8.439 min Scan# 892

Delta R.T. 0.000 min

Lab File: BM043390.D

Acq: 18 Dec 2023 13:16

Instrument :

BNA_M

ClientSampleId :

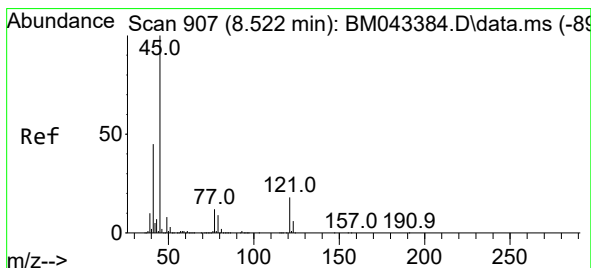
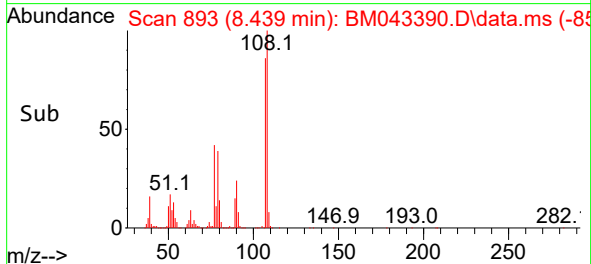
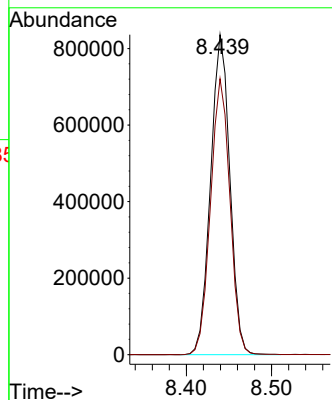
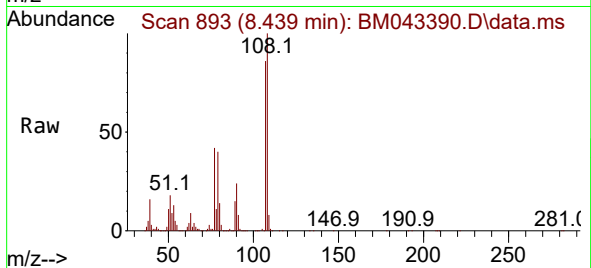
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Tgt Ion:108 Resp: 1313751

Ion Ratio Lower Upper

108 100

107 86.2 69.0 103.6



#14

2,2'-oxybis(1-Chloropropane)

Concen: 36.069 ng/ul

RT: 8.528 min Scan# 908

Delta R.T. 0.006 min

Lab File: BM043390.D

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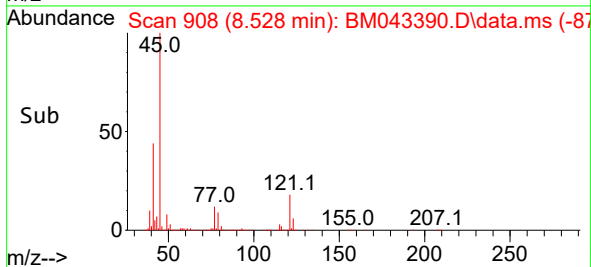
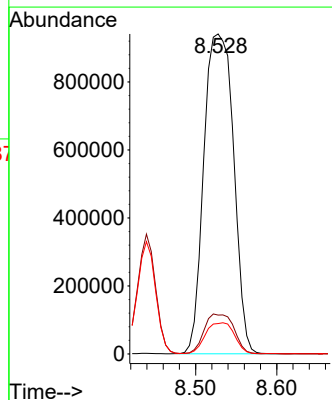
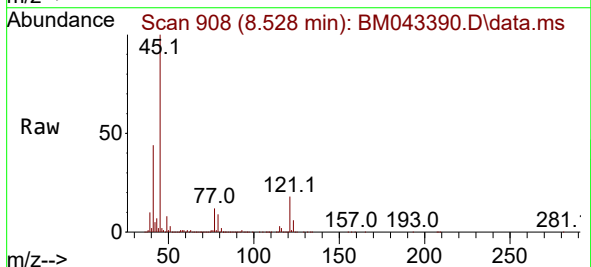
Tgt Ion: 45 Resp: 2393995

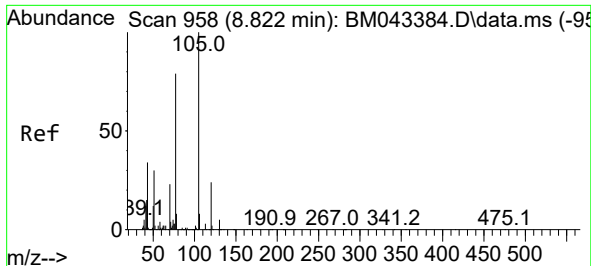
Ion Ratio Lower Upper

45 100

77 12.1 10.6 15.8

79 9.5 7.6 11.4

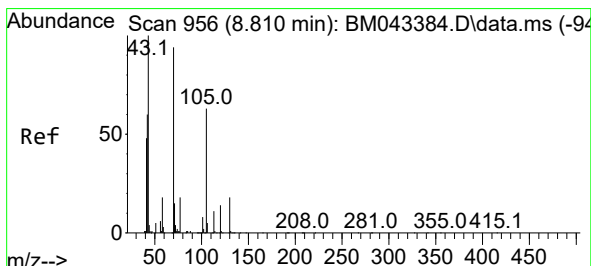
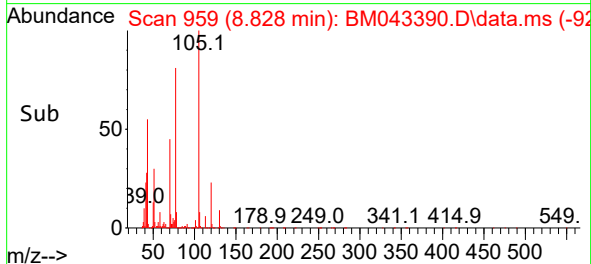
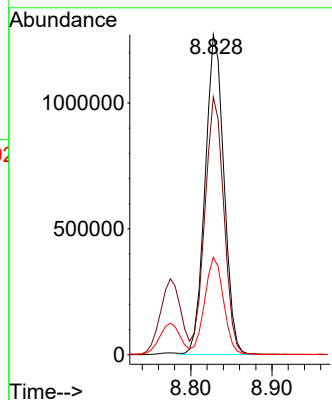
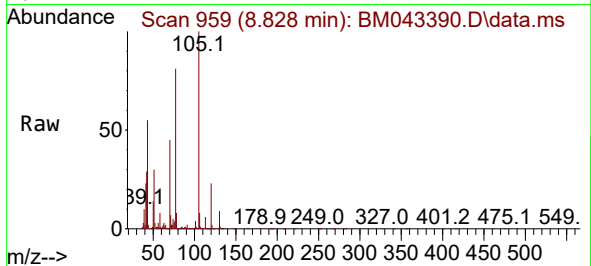




#16
Acetophenone
Concen: 34.823 ng/ul
RT: 8.828 min Scan# 91
Delta R.T. 0.000 min
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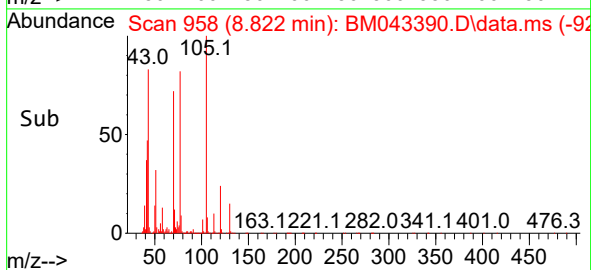
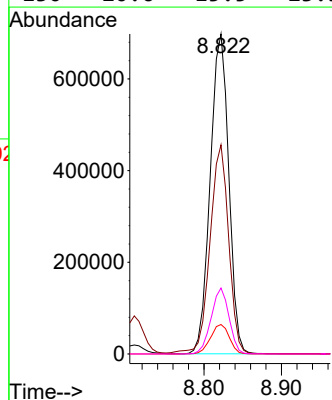
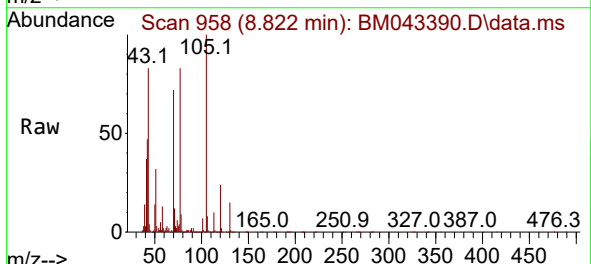
Instrument :
BNA_M
ClientSampleId :
DCLF3MSD

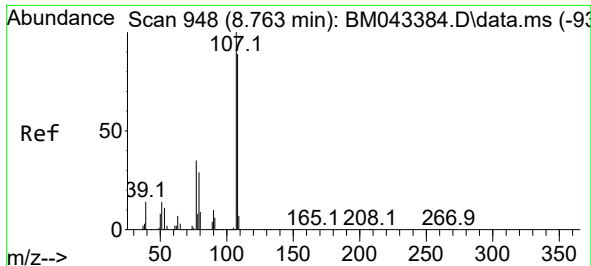
Tgt Ion:105 Resp: 2047319
Ion Ratio Lower Upper
105 100
77 80.5 65.1 97.7
51 30.4 24.3 36.5



#17
N-Nitroso-di-n-propylamine
Concen: 32.979 ng/ul
RT: 8.822 min Scan# 958
Delta R.T. 0.012 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

Tgt Ion: 70 Resp: 1157265
Ion Ratio Lower Upper
70 100
42 65.4 50.0 75.0
101 9.2 7.4 11.0
130 20.6 15.5 23.3

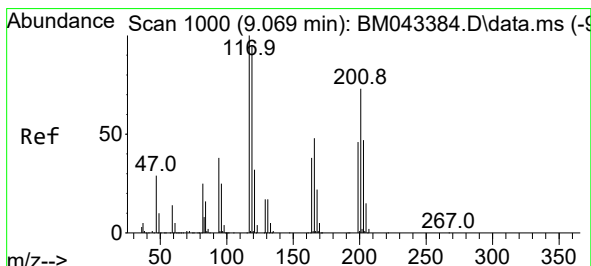
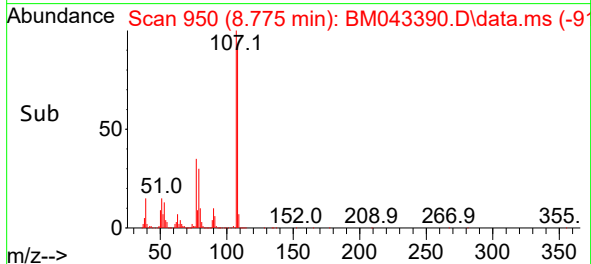
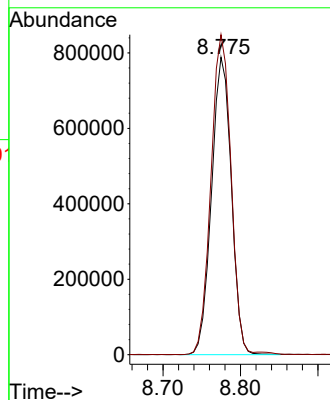
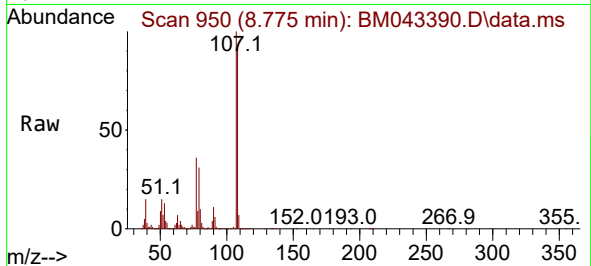




#18
4-Methylphenol
Concen: 34.920 ng/ul
RT: 8.775 min Scan# 91
Delta R.T. 0.006 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

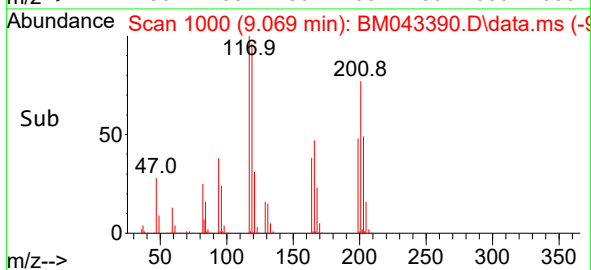
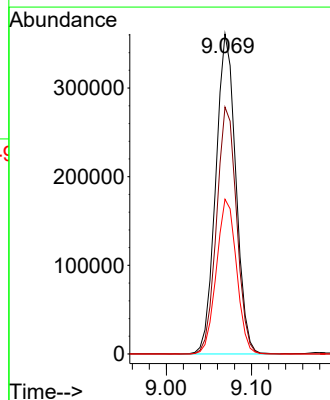
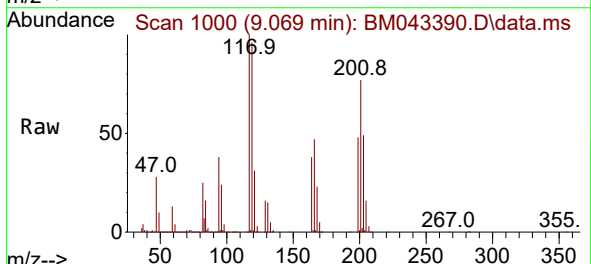
Instrument :
BNA_M
ClientSampleId :
DCLF3MSD

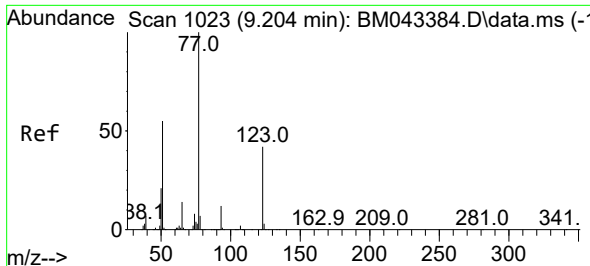
Tgt Ion:108 Resp: 1399098
Ion Ratio Lower Upper
108 100
107 107.6 87.1 130.7



#19
Hexachloroethane
Concen: 36.440 ng/ul
RT: 9.069 min Scan# 1000
Delta R.T. 0.000 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

Tgt Ion:117 Resp: 591413
Ion Ratio Lower Upper
117 100
201 77.1 59.8 89.6
199 48.3 39.0 58.6

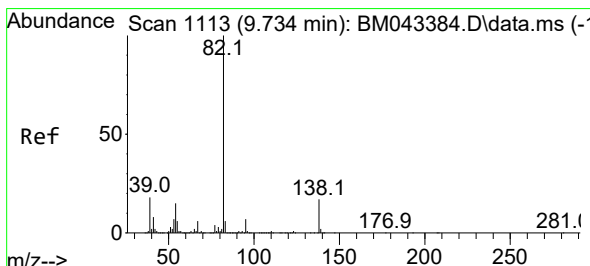
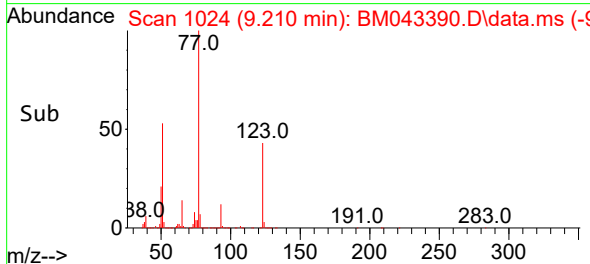
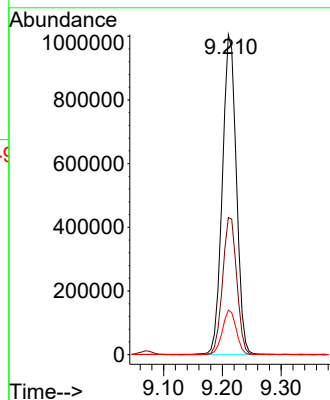
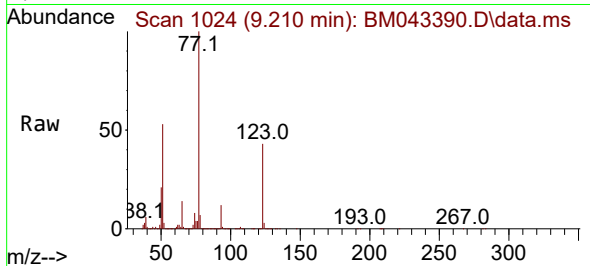




#22
Nitrobenzene
Concen: 37.796 ng/ul
RT: 9.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

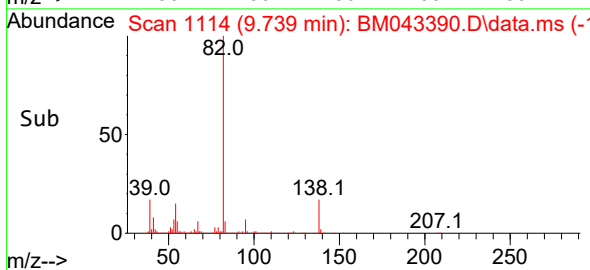
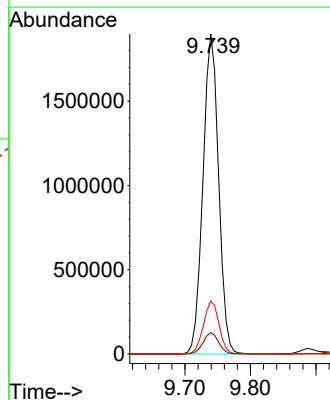
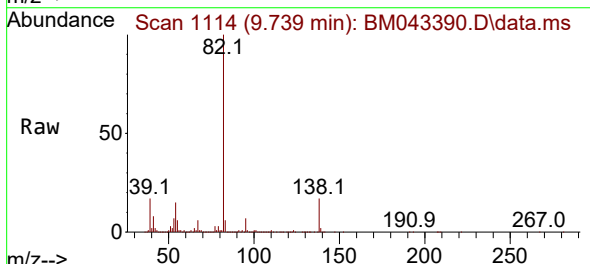
Instrument :
BNA_M
ClientSampleId :
DCLF3MSD

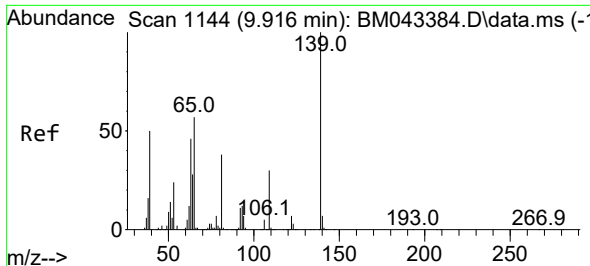
Tgt Ion: 77 Resp: 1658953
Ion Ratio Lower Upper
77 100
123 42.8 35.6 53.4
65 13.9 10.6 15.8



#23
Isophorone
Concen: 35.428 ng/ul
RT: 9.739 min Scan# 1114
Delta R.T. 0.006 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

Tgt Ion: 82 Resp: 3154342
Ion Ratio Lower Upper
82 100
95 6.6 5.5 8.3
138 16.6 13.6 20.4

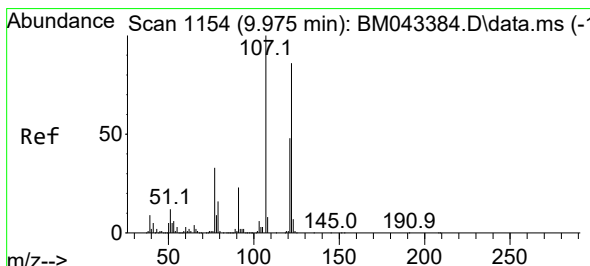
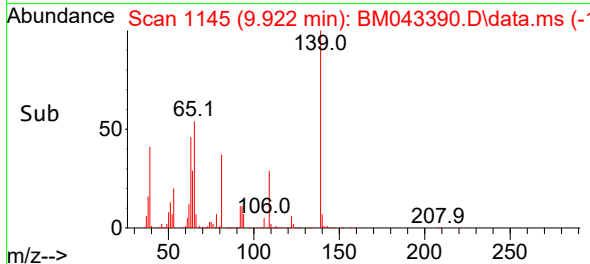
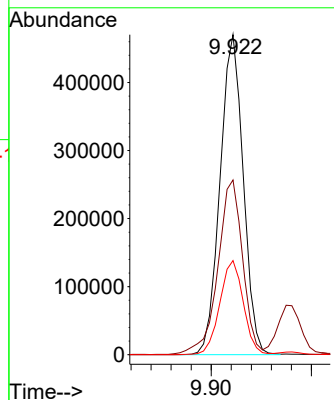
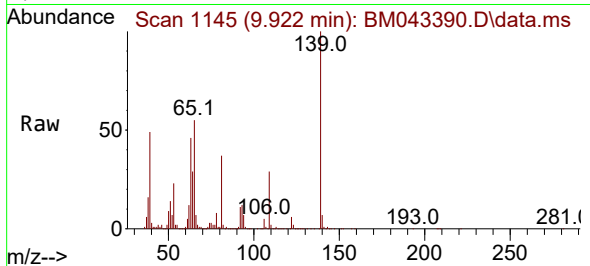




#25
2-Nitrophenol
Concen: 38.725 ng/ul
RT: 9.922 min Scan# 1145
Delta R.T. 0.006 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

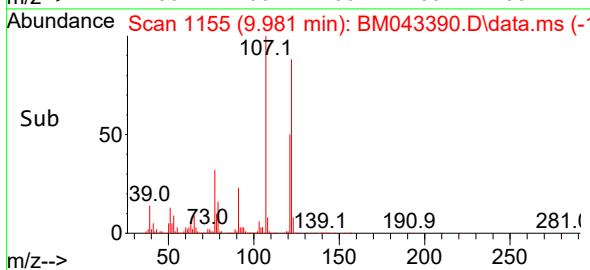
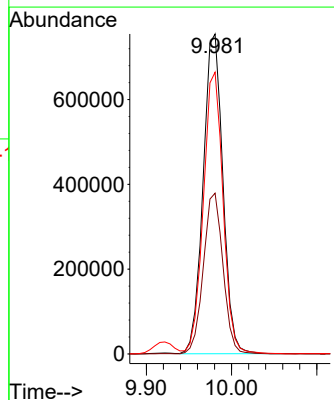
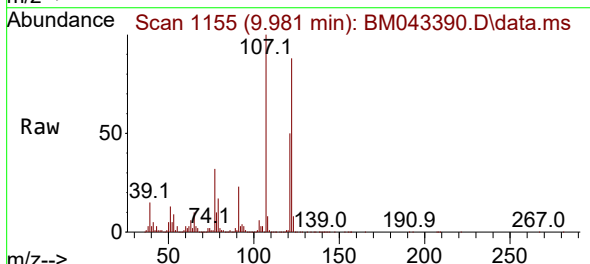
Instrument :
BNA_M
ClientSampleId :
DCLF3MSD

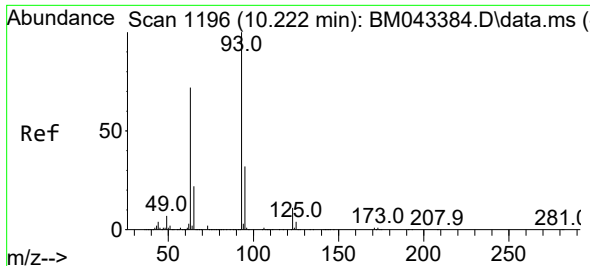
Tgt Ion:139 Resp: 754196
Ion Ratio Lower Upper
139 100
65 54.6 44.6 66.8
109 29.4 24.6 36.8



#26
2,4-Dimethylphenol
Concen: 35.017 ng/ul
RT: 9.981 min Scan# 1155
Delta R.T. 0.006 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

Tgt Ion:107 Resp: 1214894
Ion Ratio Lower Upper
107 100
121 50.3 40.3 60.5
122 88.0 71.5 107.3





#27

Bis(2-Chloroethoxy)methane

Concen: 35.943 ng/ul

RT: 10.228 min Scan# 1196

Delta R.T. 0.006 min

Lab File: BM043390.D

Acq: 18 Dec 2023 13:16

Instrument :

BNA_M

ClientSampleId :

DCLF3MSD

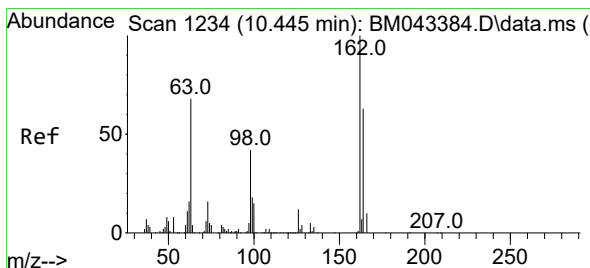
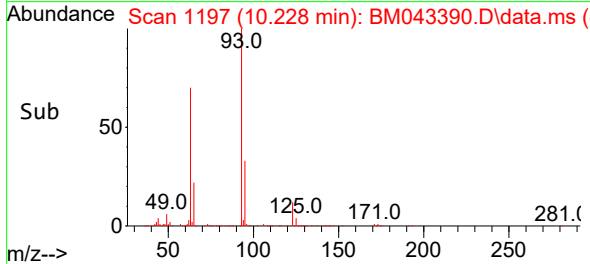
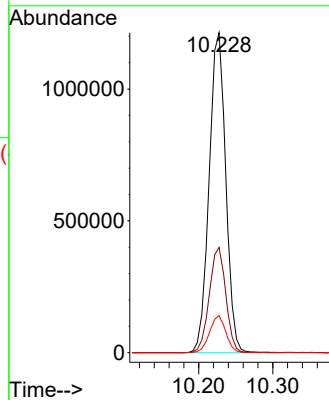
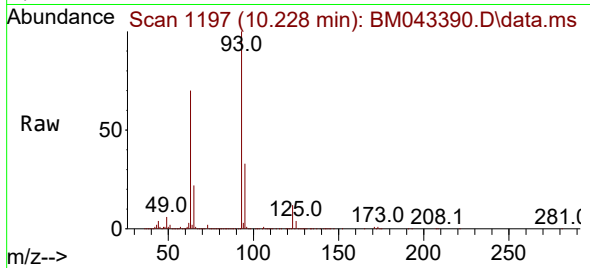
Tgt Ion: 93 Resp: 1889632

Ion Ratio Lower Upper

93 100

95 32.9 25.9 38.9

123 11.6 9.0 13.6



#29

2,4-Dichlorophenol

Concen: 36.980 ng/ul

RT: 10.451 min Scan# 1235

Delta R.T. 0.006 min

Lab File: BM043390.D

Acq: 18 Dec 2023 13:16

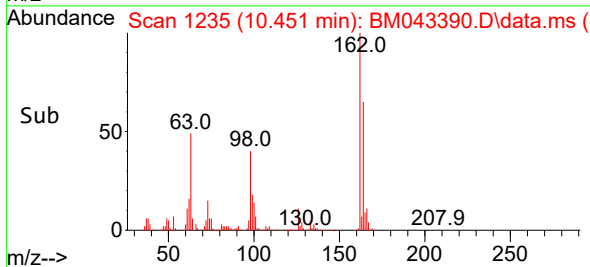
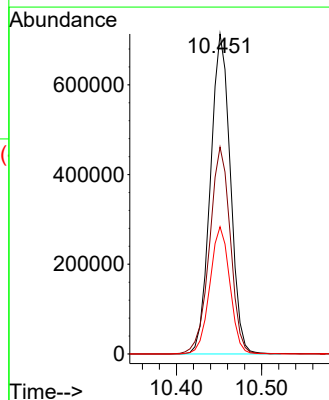
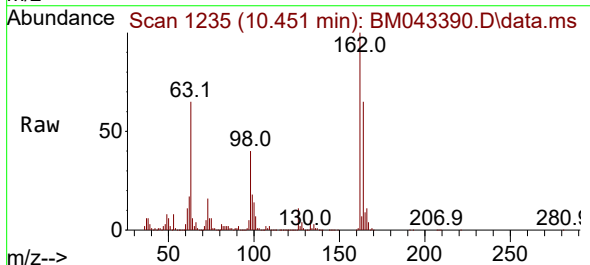
Tgt Ion:162 Resp: 1160927

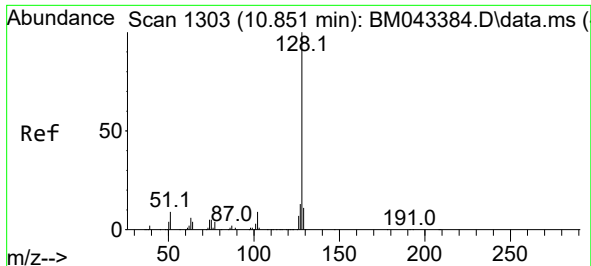
Ion Ratio Lower Upper

162 100

164 64.6 51.0 76.4

98 39.7 32.1 48.1

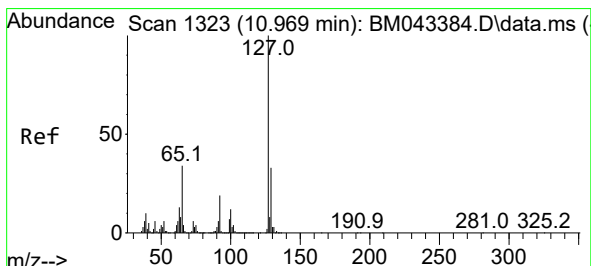
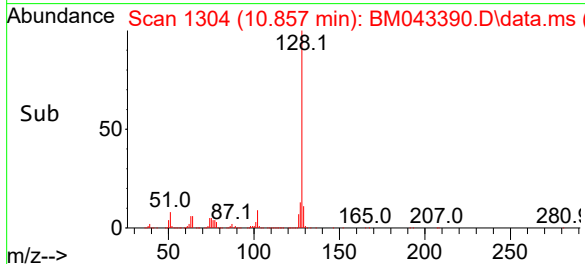
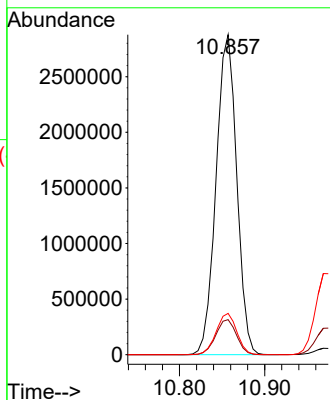
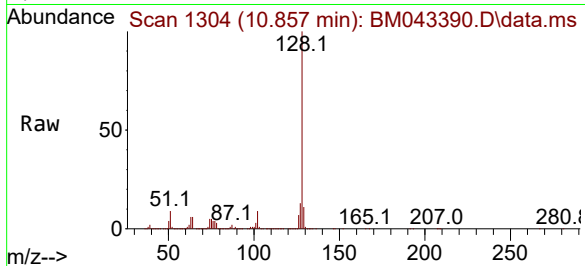




#30
Naphthalene
Concen: 41.549 ng/ul
RT: 10.857 min Scan# 11
Delta R.T. 0.006 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

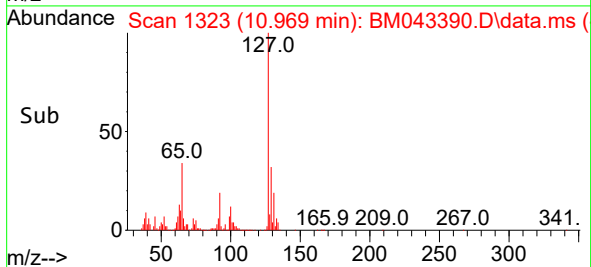
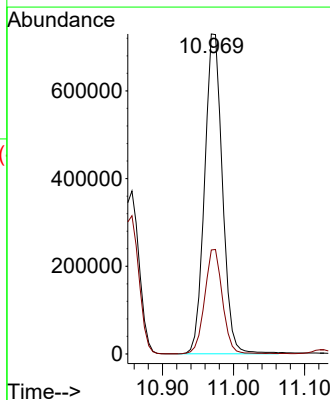
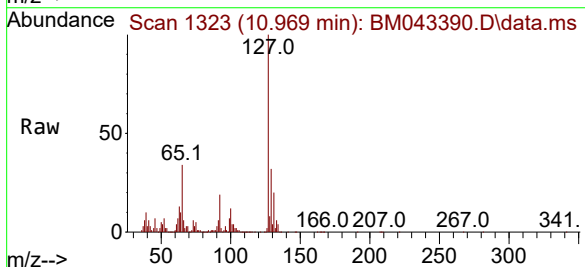
Instrument :
BNA_M
ClientSampleId :
DCLF3MSD

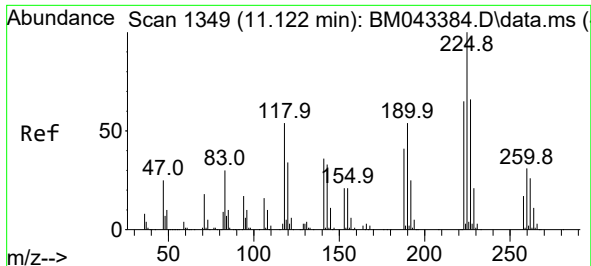
Tgt Ion:128 Resp: 4854093
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 12.9 10.2 15.4



#32
4-Chloroaniline
Concen: 27.845 ng/ul
RT: 10.969 min Scan# 1323
Delta R.T. 0.000 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

Tgt Ion:127 Resp: 1274303
Ion Ratio Lower Upper
127 100
129 32.5 25.4 38.2

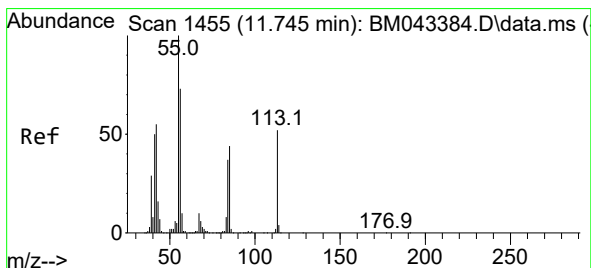
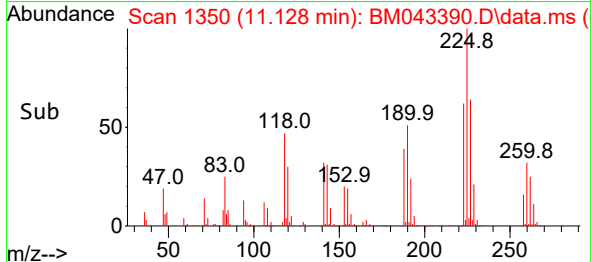
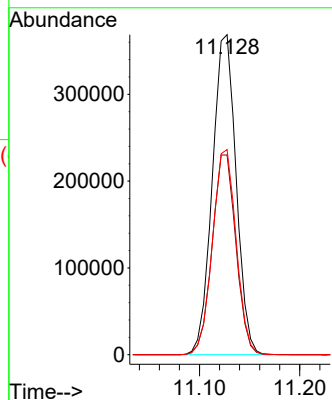
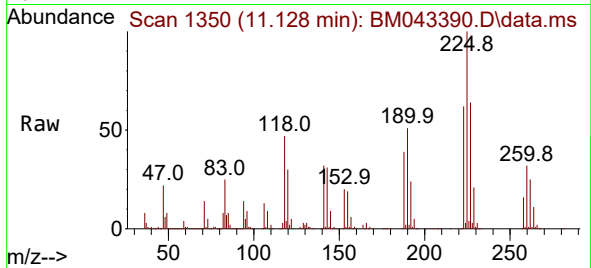




#33
Hexachlorobutadiene
Concen: 37.980 ng/ul
RT: 11.128 min Scan# 111
Delta R.T. 0.000 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

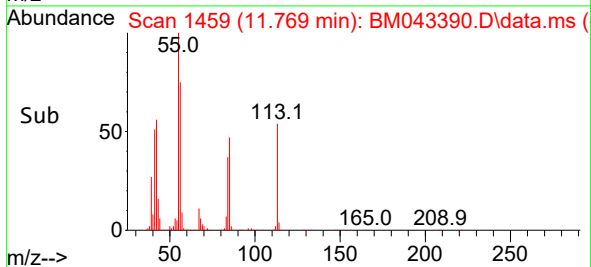
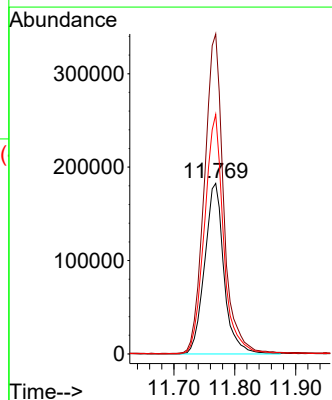
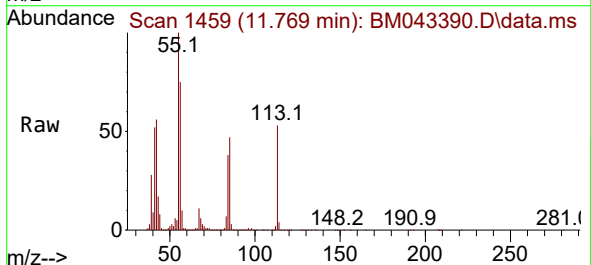
Instrument :
BNA_M
ClientSampleId :
DCLF3MSD

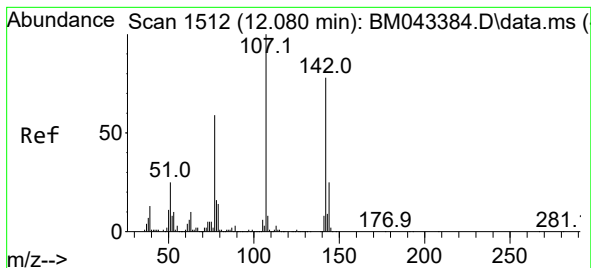
Tgt Ion:225 Resp: 607923
Ion Ratio Lower Upper
225 100
223 62.4 49.4 74.0
227 64.1 50.4 75.6



#34
Caprolactam
Concen: 40.021 ng/ul
RT: 11.769 min Scan# 1459
Delta R.T. 0.024 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

Tgt Ion:113 Resp: 401505
Ion Ratio Lower Upper
113 100
55 187.6 148.9 223.3
56 140.4 111.4 167.2

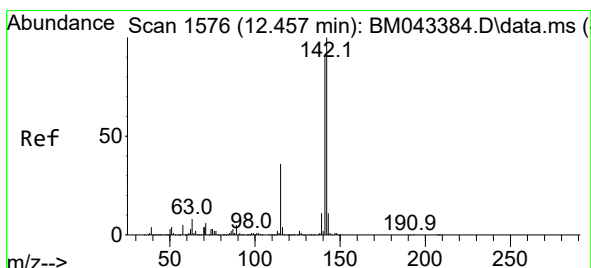
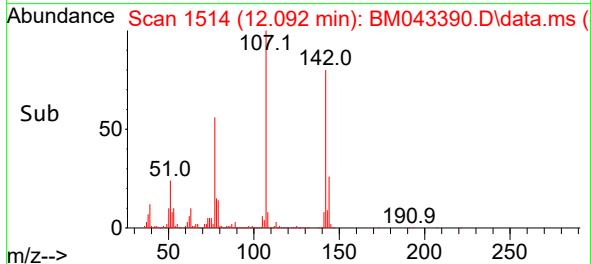
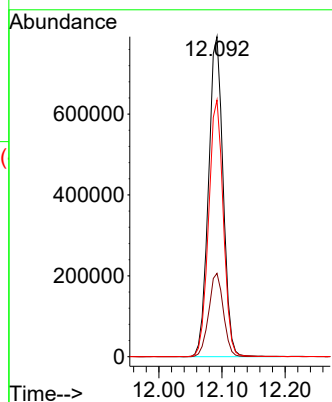
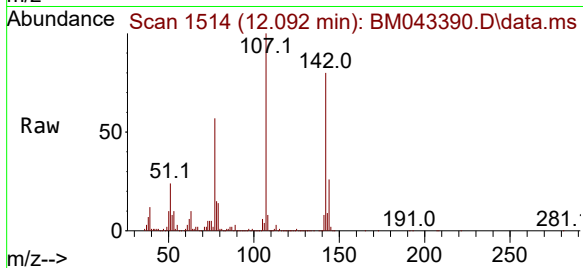




#35
4-Chloro-3-methylphenol
Concen: 34.496 ng/ul
RT: 12.092 min Scan# 1514
Delta R.T. 0.012 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

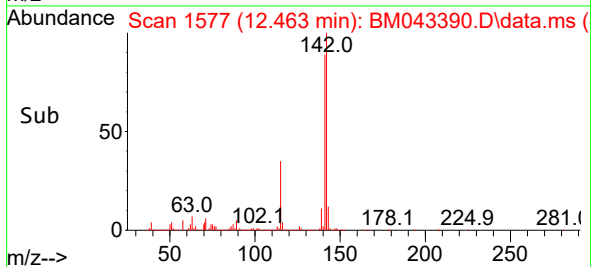
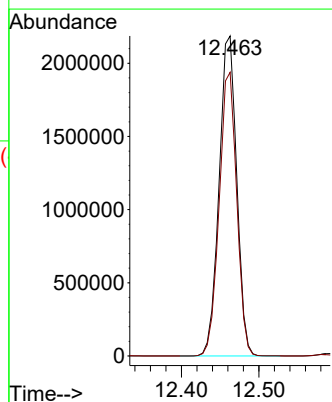
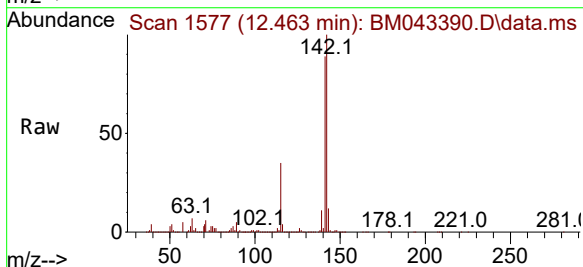
Instrument :
BNA_M
ClientSampleId :
DCLF3MSD

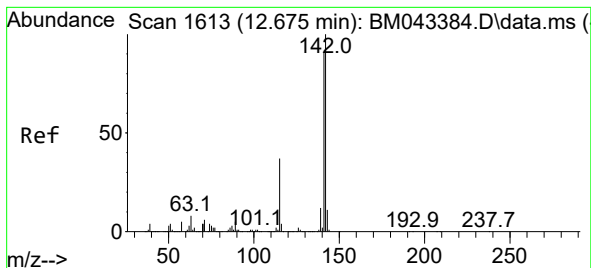
Tgt Ion:107 Resp: 1272015
Ion Ratio Lower Upper
107 100
144 26.1 20.3 30.5
142 80.2 64.3 96.5



#36
2-Methylnaphthalene
Concen: 43.385 ng/ul
RT: 12.463 min Scan# 1577
Delta R.T. 0.006 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

Tgt Ion:142 Resp: 3450209
Ion Ratio Lower Upper
142 100
141 88.6 69.9 104.9





#37

1-Methylnaphthalene

Concen: 39.711 ng/ul

RT: 12.680 min Scan# 1

Delta R.T. 0.006 min

Lab File: BM043390.D

Acq: 18 Dec 2023 13:16

Instrument :

BNA_M

ClientSampleId :

DCLF3MSD

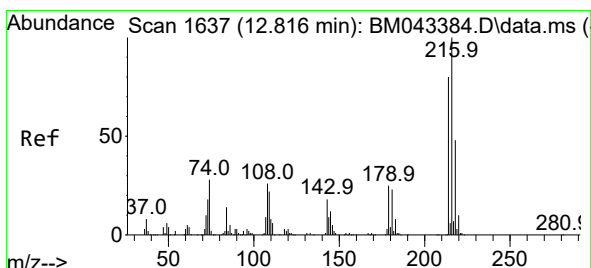
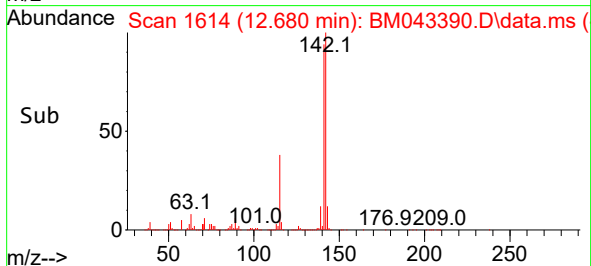
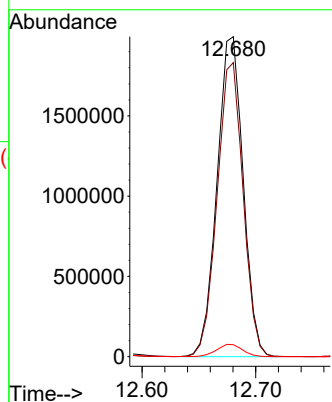
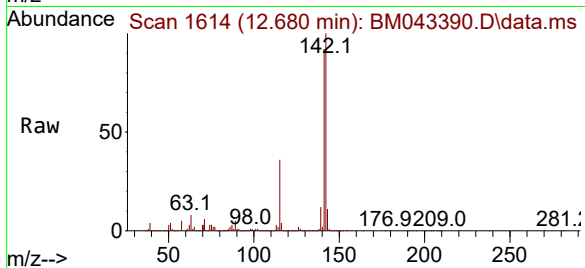
Tgt Ion:142 Resp: 3185329

Ion Ratio Lower Upper

142 100

141 91.9 73.0 109.4

116 3.8 3.0 4.6



#39

1,2,4,5-Tetrachlorobenzene

Concen: 40.147 ng/ul

RT: 12.822 min Scan# 1638

Delta R.T. 0.006 min

Lab File: BM043390.D

Acq: 18 Dec 2023 13:16

Tgt Ion:216 Resp: 1119271

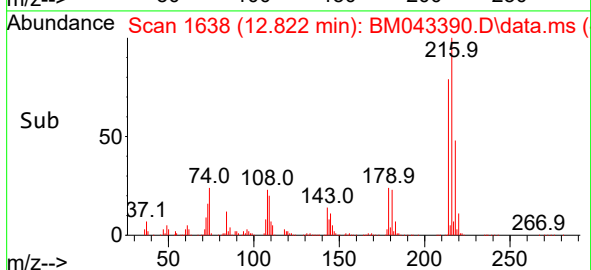
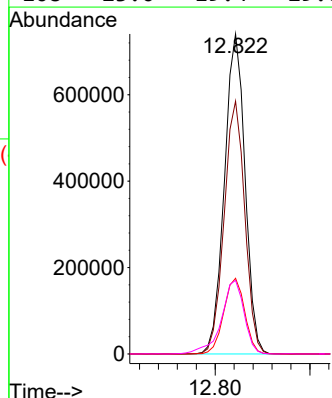
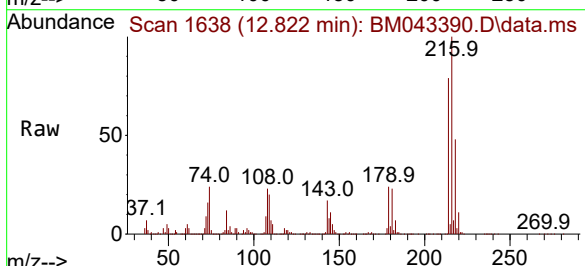
Ion Ratio Lower Upper

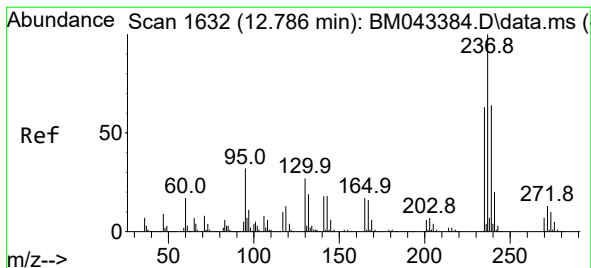
216 100

214 79.0 64.6 97.0

179 23.6 20.0 30.0

108 23.0 19.4 29.0

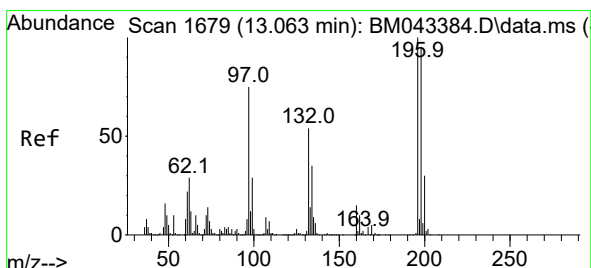
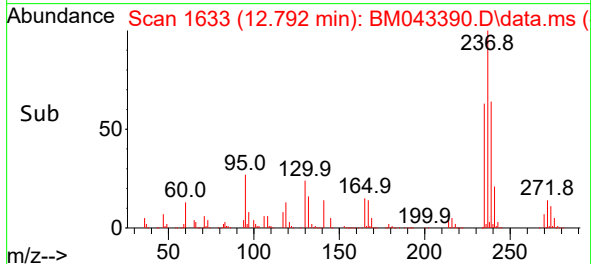
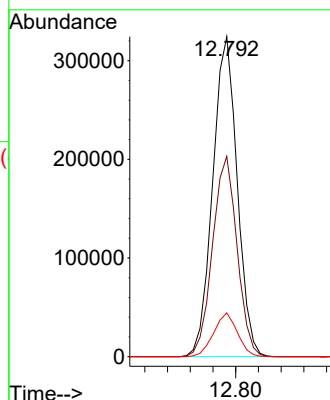
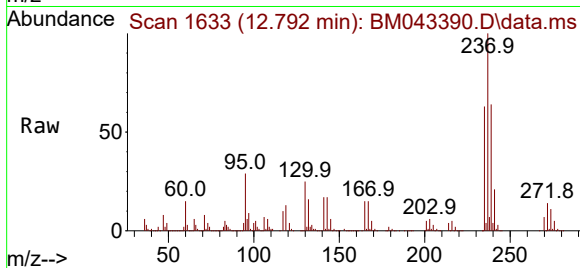




#40
Hexachlorocyclopentadiene
Concen: 27.721 ng/ul
RT: 12.792 min Scan# 1633
Delta R.T. 0.000 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

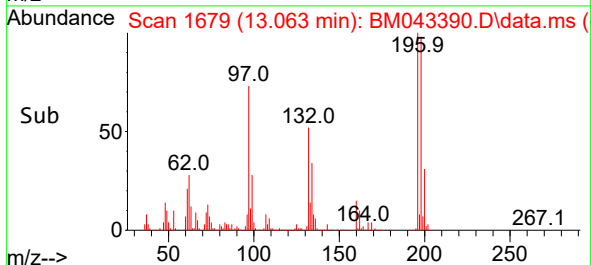
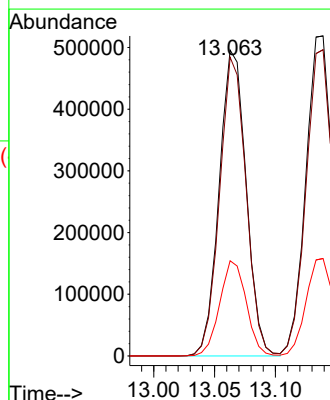
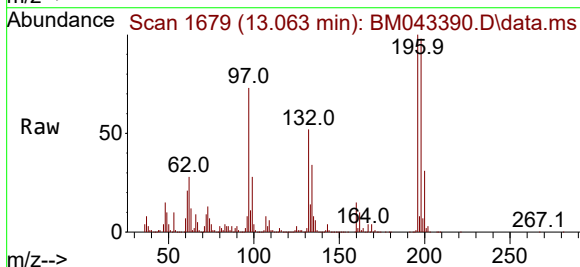
Instrument :
BNA_M
ClientSampleId :
DCLF3MSD

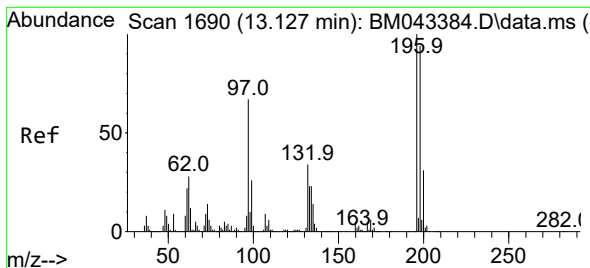
Tgt Ion:237 Resp: 484915
Ion Ratio Lower Upper
237 100
235 62.6 48.2 72.4
272 13.7 10.8 16.2



#41
2,4,6-Trichlorophenol
Concen: 38.619 ng/ul
RT: 13.063 min Scan# 1679
Delta R.T. 0.000 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

Tgt Ion:196 Resp: 765318
Ion Ratio Lower Upper
196 100
198 97.6 78.3 117.5
200 31.1 25.1 37.7





#42

2,4,5-Trichlorophenol

Concen: 38.299 ng/ul

RT: 13.139 min Scan# 1

Delta R.T. 0.012 min

Lab File: BM043390.D

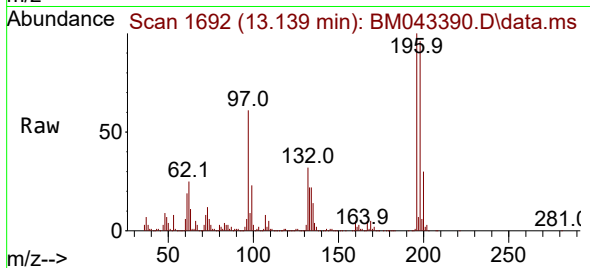
Acq: 18 Dec 2023 13:16

Instrument :

BNA_M

ClientSampleId :

DCLF3MSD



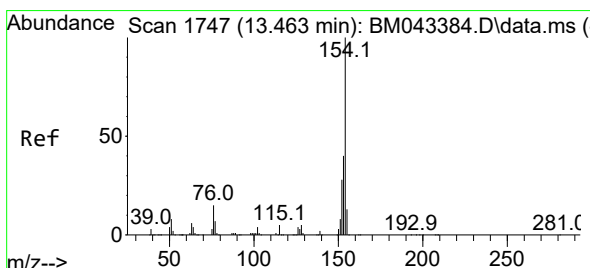
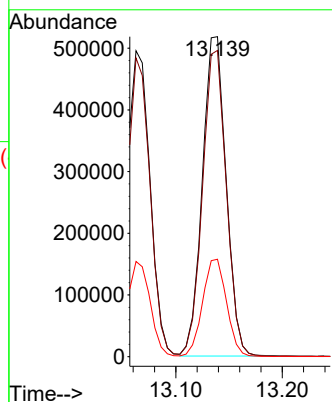
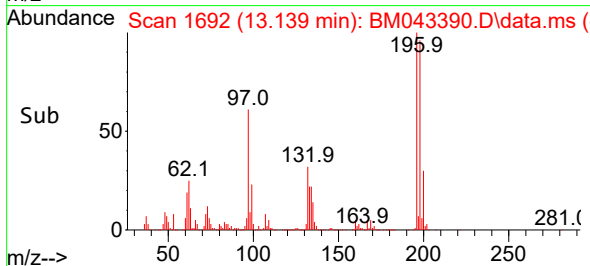
Tgt Ion:196 Resp: 805882

Ion Ratio Lower Upper

196 100

198 95.7 75.1 112.7

200 30.4 24.6 37.0



#43

1,1'-Biphenyl

Concen: 41.499 ng/ul

RT: 13.469 min Scan# 1748

Delta R.T. 0.006 min

Lab File: BM043390.D

Acq: 18 Dec 2023 13:16

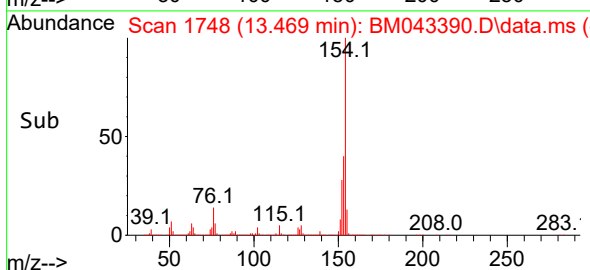
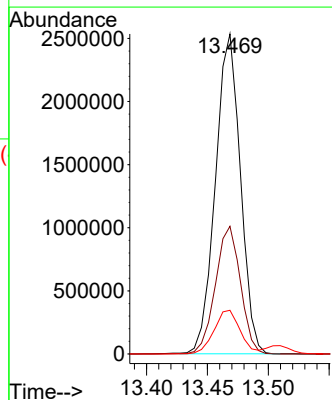
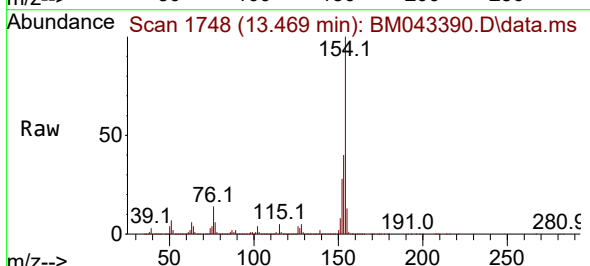
Tgt Ion:154 Resp: 3619639

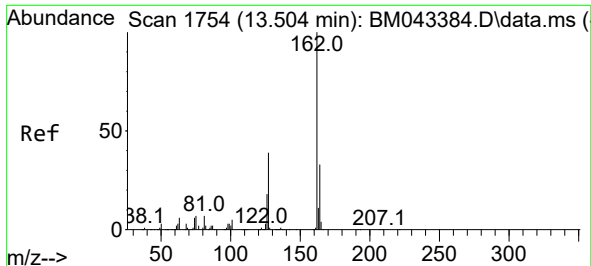
Ion Ratio Lower Upper

154 100

153 39.9 31.8 47.6

76 13.6 11.7 17.5

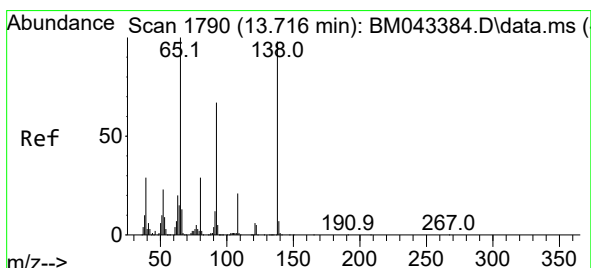
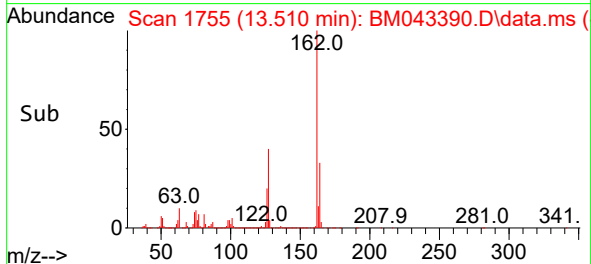
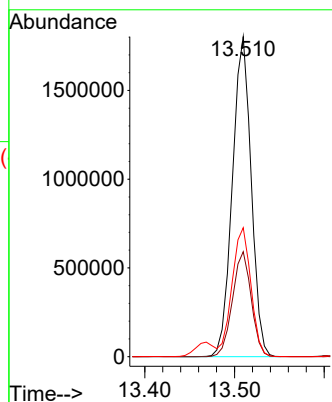
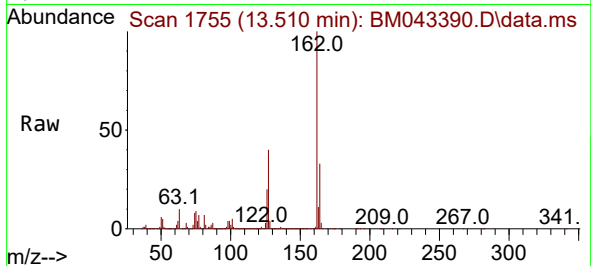




#44
2-Chloronaphthalene
Concen: 39.213 ng/ul
RT: 13.510 min Scan# 1754
Delta R.T. 0.006 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

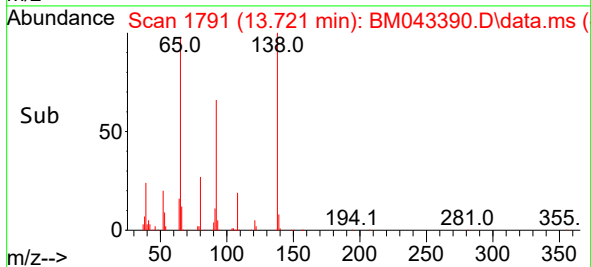
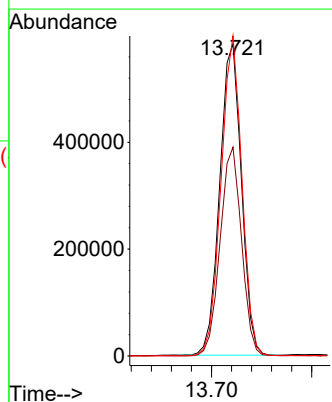
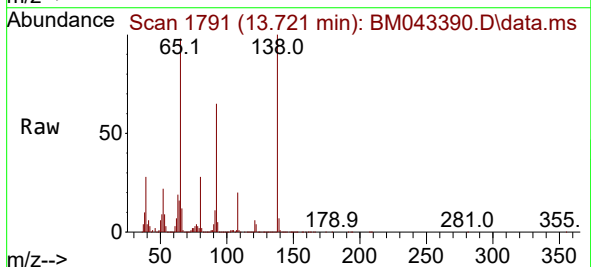
Instrument :
BNA_M
ClientSampleId :
DCLF3MSD

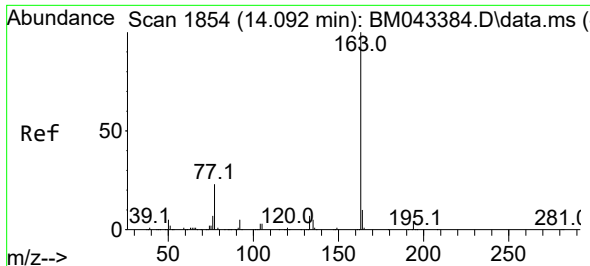
Tgt Ion:162 Resp: 2622214
Ion Ratio Lower Upper
162 100
164 32.8 26.4 39.6
127 40.3 32.2 48.4



#45
2-Nitroaniline
Concen: 38.899 ng/ul
RT: 13.721 min Scan# 1791
Delta R.T. 0.006 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

Tgt Ion: 65 Resp: 872291
Ion Ratio Lower Upper
65 100
92 66.9 51.4 77.2
138 102.5 78.4 117.6

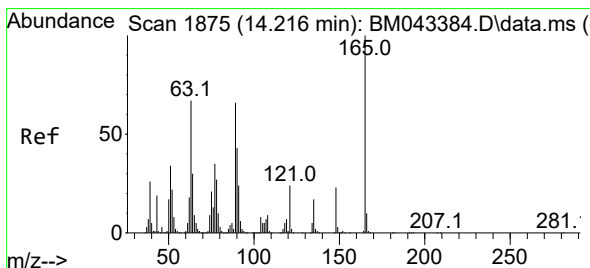
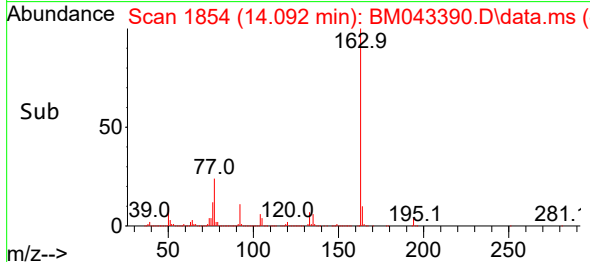
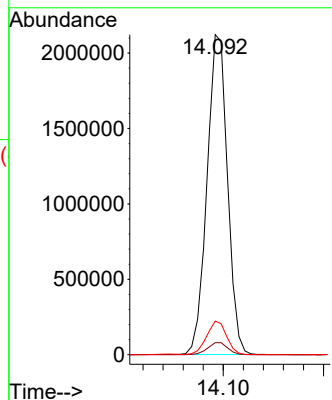
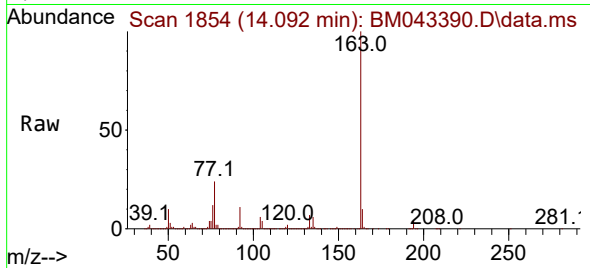




#47
Dimethylphthalate
Concen: 37.074 ng/ul
RT: 14.092 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

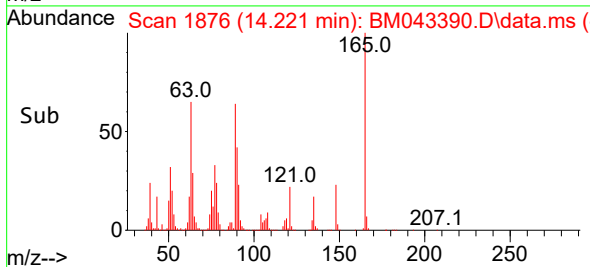
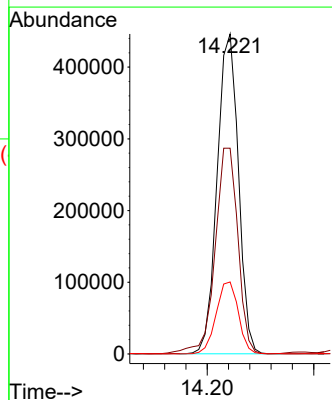
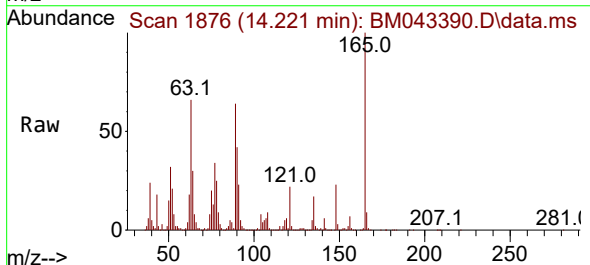
Instrument :
BNA_M
ClientSampleId :
DCLF3MSD

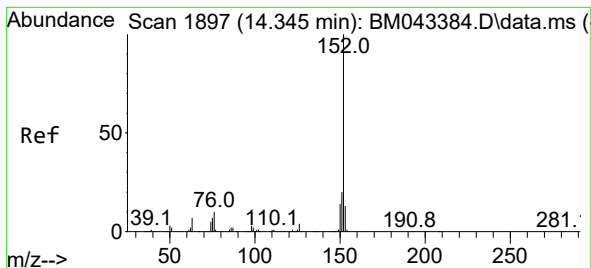
Tgt Ion:163 Resp: 3015822
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.4
164 10.5 8.0 12.0



#48
2,6-Dinitrotoluene
Concen: 39.265 ng/ul
RT: 14.221 min Scan# 1876
Delta R.T. 0.006 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

Tgt Ion:165 Resp: 617509
Ion Ratio Lower Upper
165 100
89 64.3 50.7 76.1
121 22.5 18.6 27.8





#50

Acenaphthylene

Concen: 40.133 ng/ul

RT: 14.351 min Scan# 1898

Delta R.T. 0.000 min

Lab File: BM043390.D

Acq: 18 Dec 2023 13:16

Instrument :

BNA_M

ClientSampleId :

DCLF3MSD

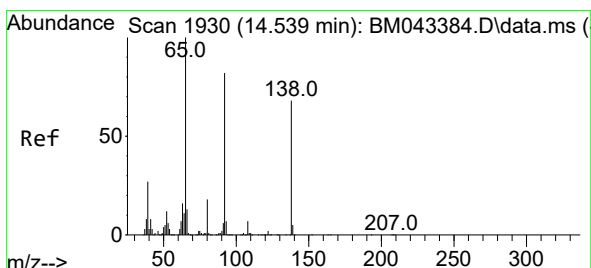
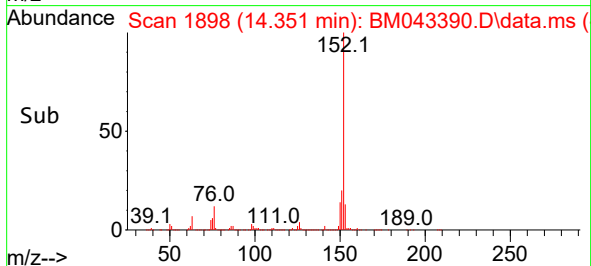
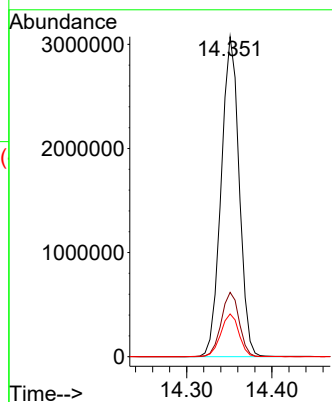
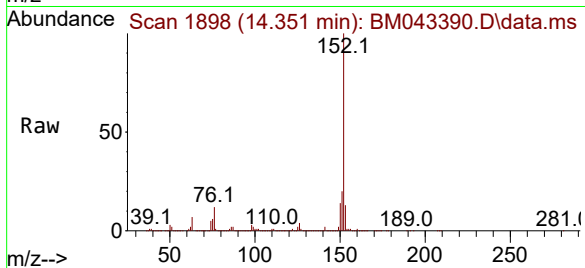
Tgt Ion:152 Resp: 4503210

Ion Ratio Lower Upper

152 100

151 20.1 15.6 23.4

153 13.4 10.2 15.4



#51

3-Nitroaniline

Concen: 37.566 ng/ul

RT: 14.545 min Scan# 1931

Delta R.T. 0.006 min

Lab File: BM043390.D

Acq: 18 Dec 2023 13:16

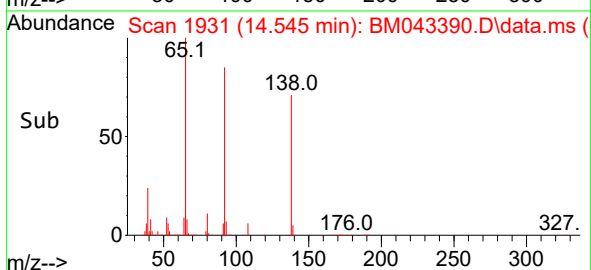
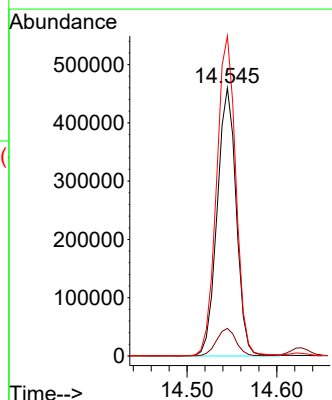
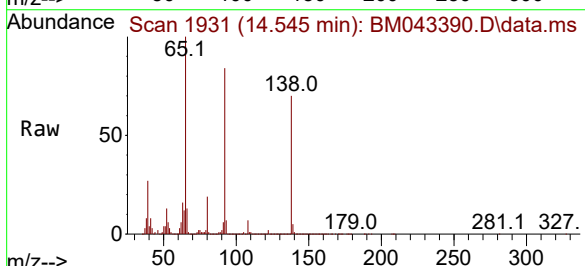
Tgt Ion:138 Resp: 678224

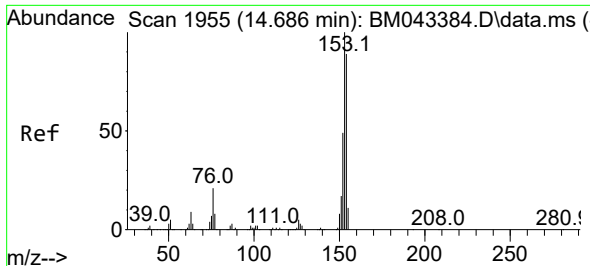
Ion Ratio Lower Upper

138 100

108 10.3 8.4 12.6

92 119.4 94.6 142.0

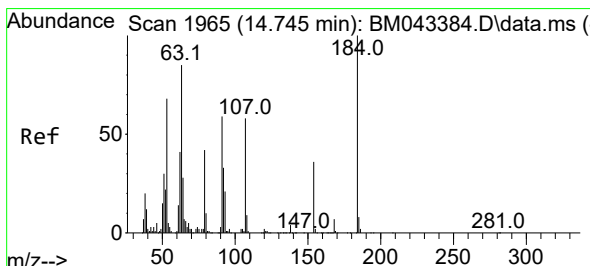
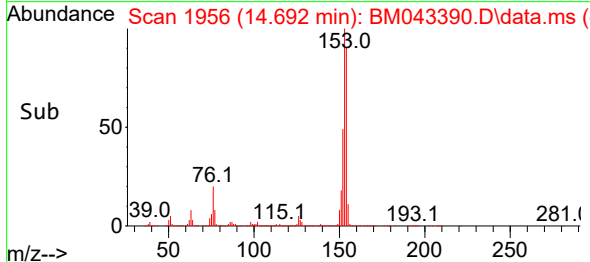
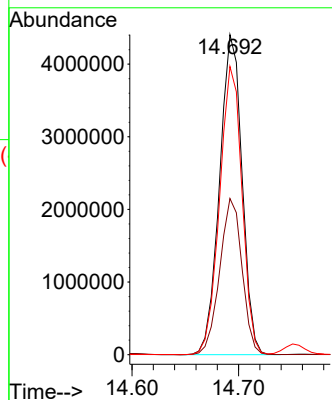
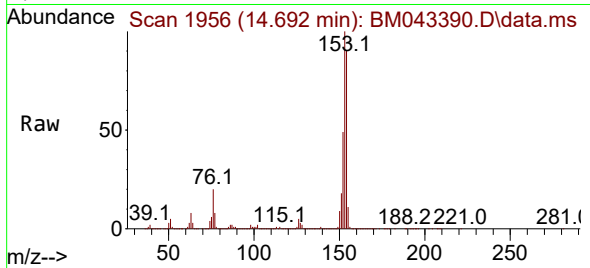




#52
Acenaphthene
Concen: 87.215 ng/ul
RT: 14.692 min Scan# 1956
Delta R.T. 0.006 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

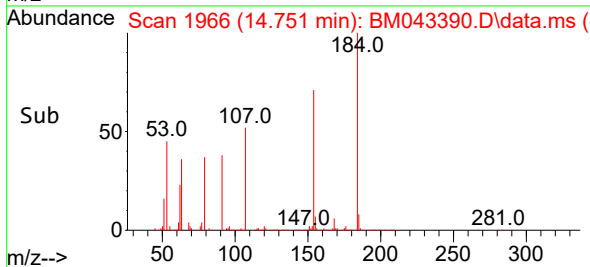
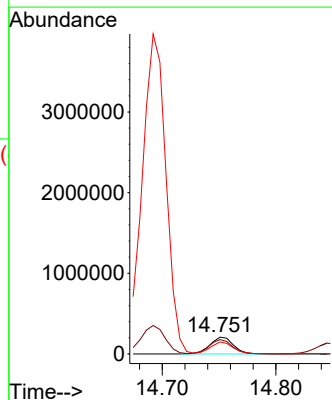
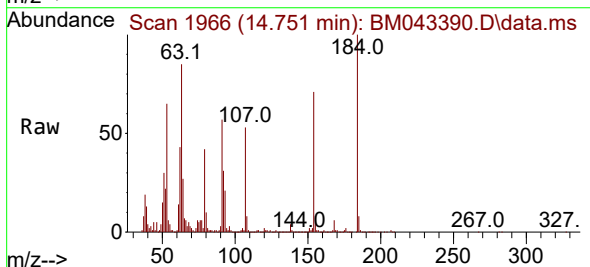
Instrument :
BNA_M
ClientSampleId :
DCLF3MSD

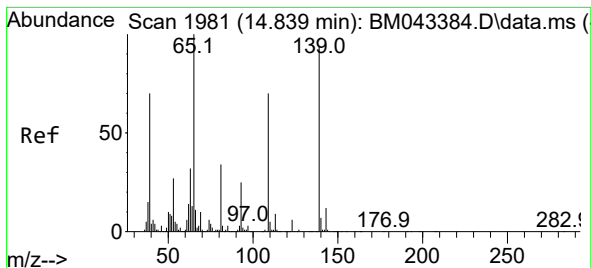
Tgt Ion:153 Resp: 6449708
Ion Ratio Lower Upper
153 100
152 48.8 38.1 57.1
154 90.0 70.4 105.6



#53
2,4-Dinitrophenol
Concen: 35.360 ng/ul
RT: 14.751 min Scan# 1966
Delta R.T. 0.006 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

Tgt Ion:184 Resp: 296033
Ion Ratio Lower Upper
184 100
63 85.2 64.9 97.3
154 70.9 53.1 79.7

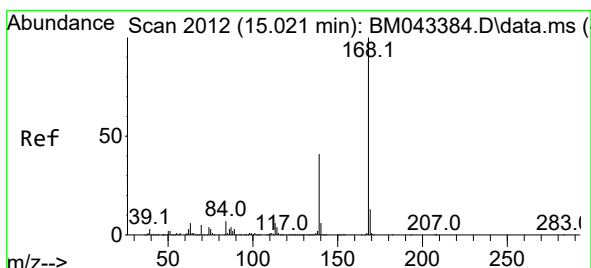
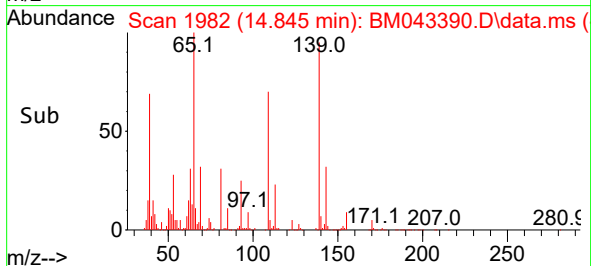
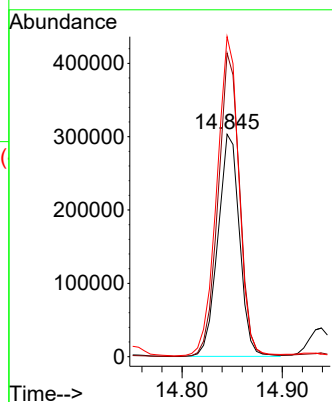
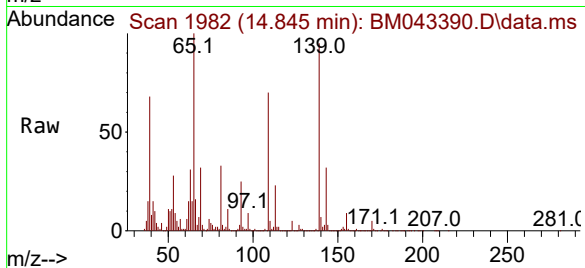




#55
4-Nitrophenol
Concen: 37.351 ng/ul
RT: 14.845 min Scan# 1981
Delta R.T. 0.006 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

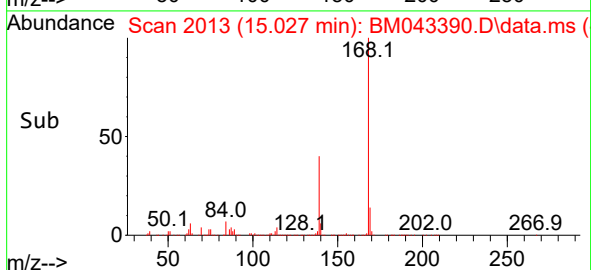
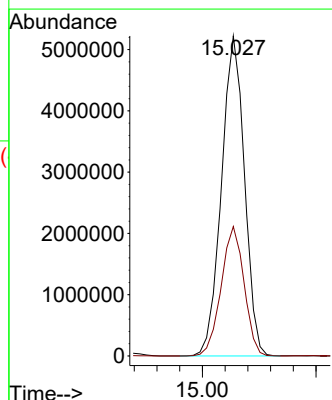
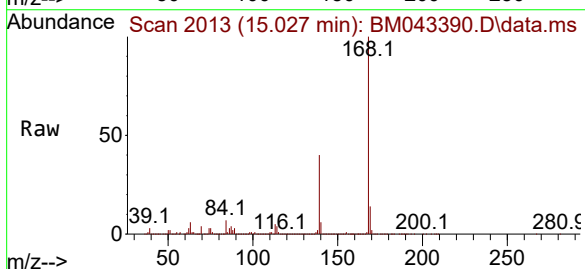
Instrument :
BNA_M
ClientSampleId :
DCLF3MSD

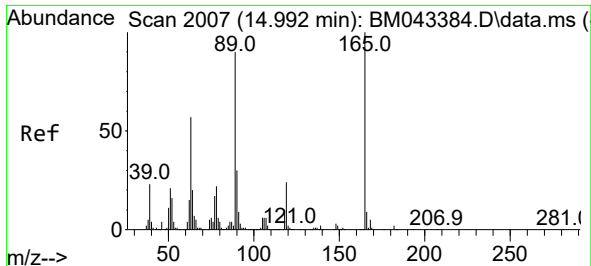
Tgt Ion:109 Resp: 452147
Ion Ratio Lower Upper
109 100
139 136.5 107.0 160.6
65 143.8 110.4 165.6



#56
Dibenzofuran
Concen: 76.818 ng/ul
RT: 15.027 min Scan# 2013
Delta R.T. 0.006 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

Tgt Ion:168 Resp: 7336846
Ion Ratio Lower Upper
168 100
139 40.5 31.8 47.8





#57

2,4-Dinitrotoluene

Concen: 37.757 ng/ul

RT: 15.004 min Scan# 2009

Delta R.T. 0.012 min

Lab File: BM043390.D

Acq: 18 Dec 2023 13:16

Instrument :

BNA_M

ClientSampleId :

DCLF3MSD

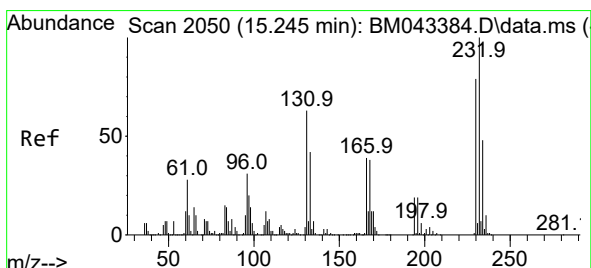
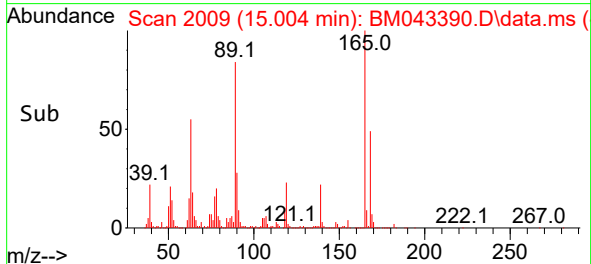
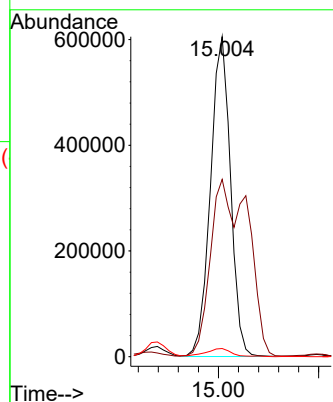
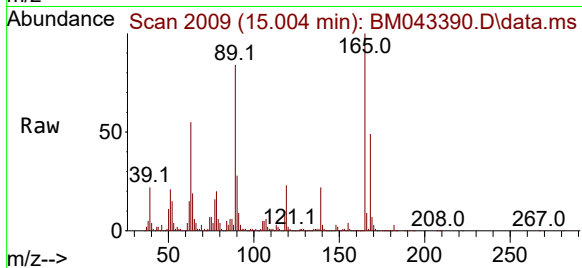
Tgt Ion:165 Resp: 838919

Ion Ratio Lower Upper

165 100

63 55.4 43.2 64.8

182 2.5 2.3 3.5



#58

2,3,4,6-Tetrachlorophenol

Concen: 34.480 ng/ul

RT: 15.251 min Scan# 2051

Delta R.T. 0.006 min

Lab File: BM043390.D

Acq: 18 Dec 2023 13:16

Tgt Ion:232 Resp: 555867

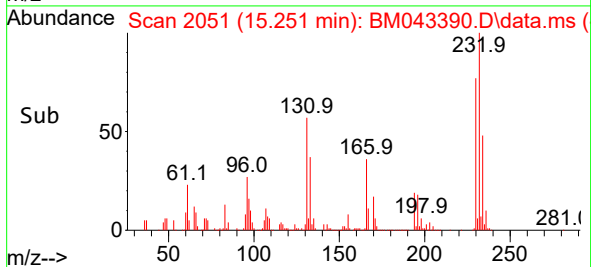
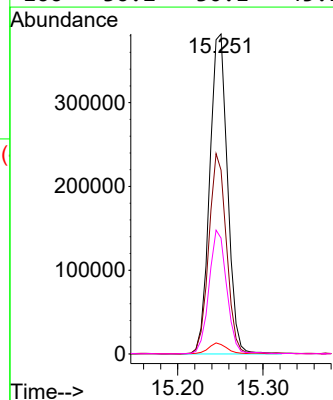
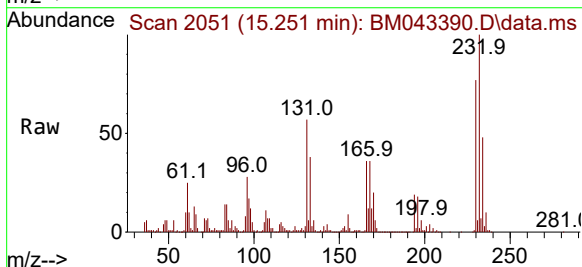
Ion Ratio Lower Upper

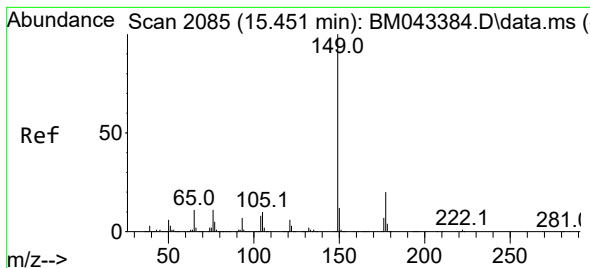
232 100

131 57.4 47.4 71.0

130 2.9 2.4 3.6

166 36.2 30.1 45.1





#59

Diethylphthalate

Concen: 37.388 ng/ul

RT: 15.451 min Scan# 2085

Delta R.T. 0.000 min

Lab File: BM043390.D

Acq: 18 Dec 2023 13:16

Instrument :

BNA_M

ClientSampleId :

DCLF3MSD

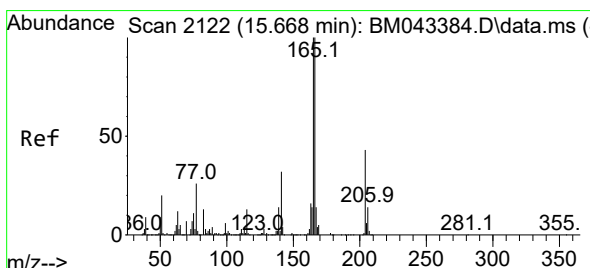
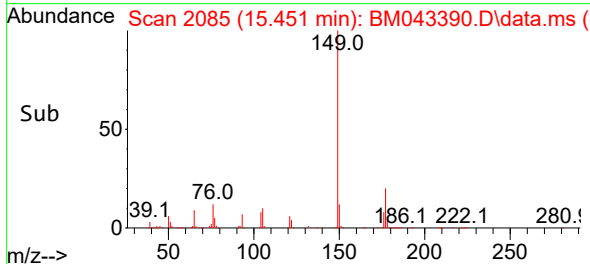
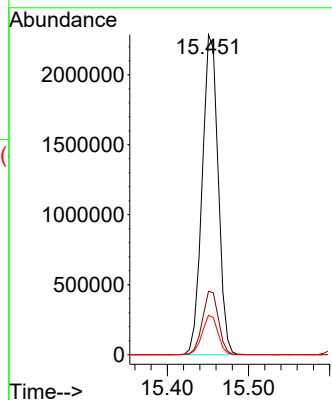
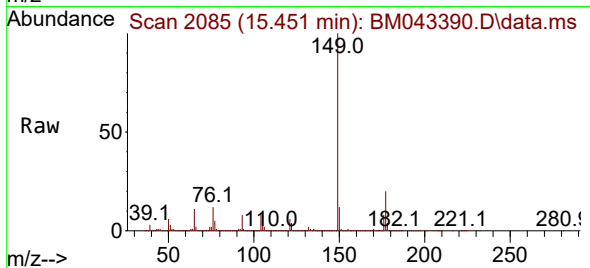
Tgt Ion:149 Resp: 3116708

Ion Ratio Lower Upper

149 100

177 19.8 16.6 24.8

150 12.3 9.7 14.5



#61

Fluorene

Concen: 88.061 ng/ul

RT: 15.674 min Scan# 2123

Delta R.T. 0.006 min

Lab File: BM043390.D

Acq: 18 Dec 2023 13:16

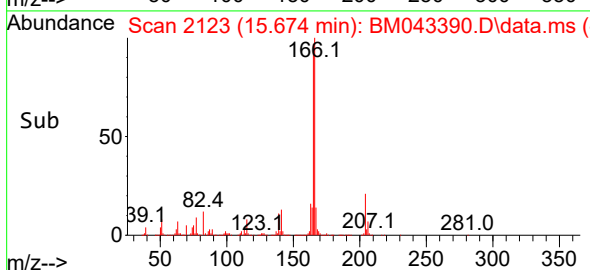
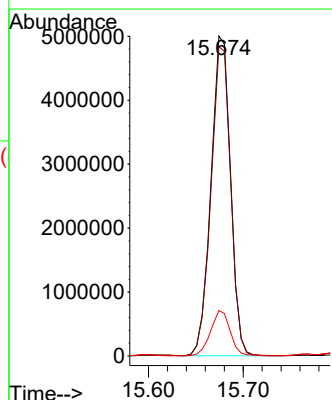
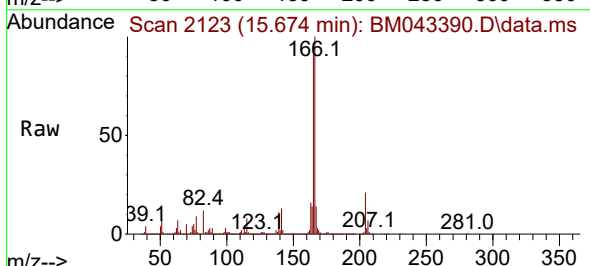
Tgt Ion:166 Resp: 7185324

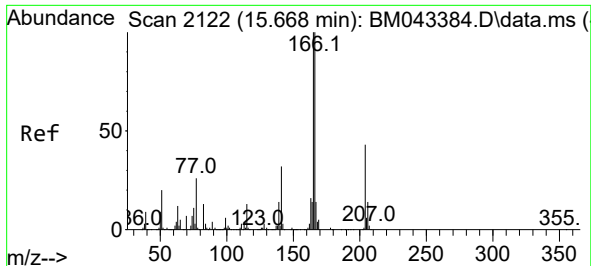
Ion Ratio Lower Upper

166 100

165 96.7 76.9 115.3

167 14.2 10.9 16.3

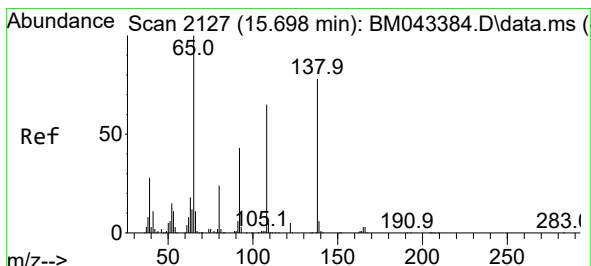
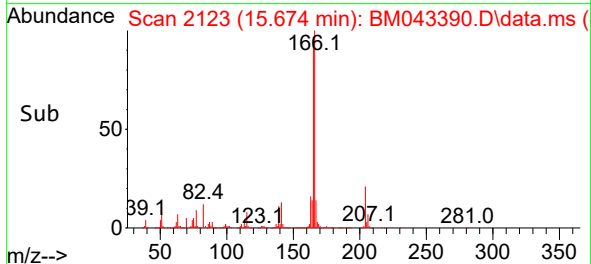
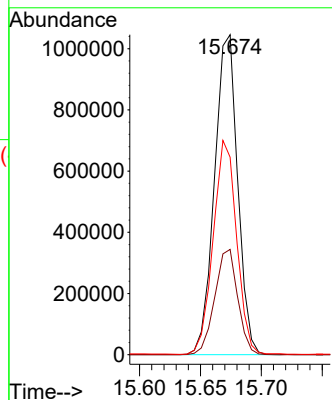
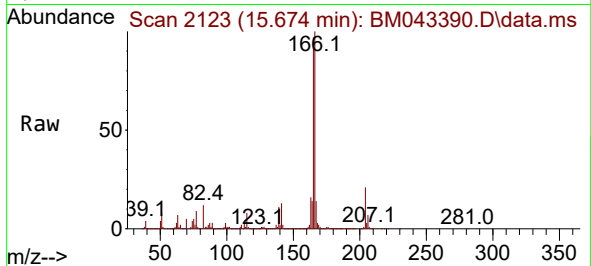




#62
4-Chlorophenyl-phenylether
Concen: 38.583 ng/ul
RT: 15.674 min Scan# 2123
Delta R.T. 0.006 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

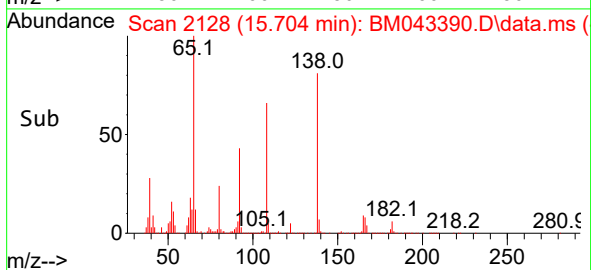
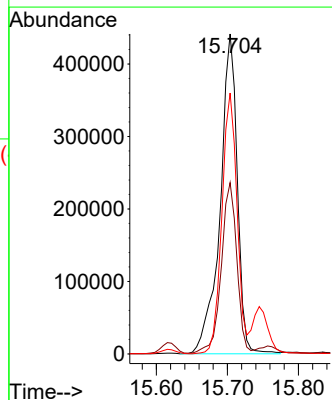
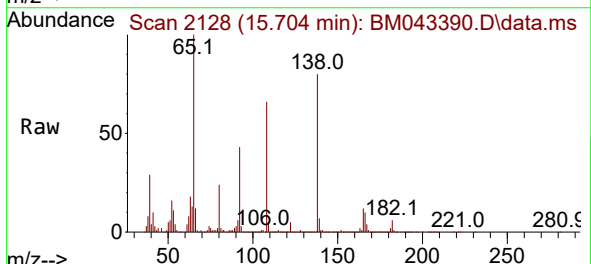
Instrument :
BNA_M
ClientSampleId :
DCLF3MSD

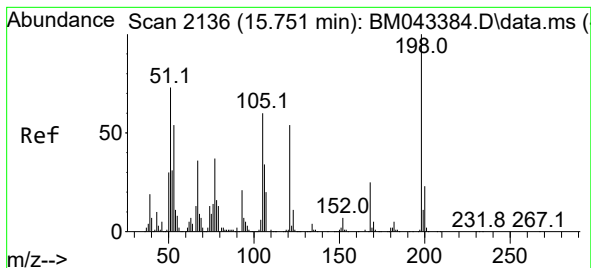
Tgt Ion:204 Resp: 1384785
Ion Ratio Lower Upper
204 100
206 32.9 25.3 37.9
141 61.7 54.2 81.2



#63
4-Nitroaniline
Concen: 44.775 ng/ul
RT: 15.704 min Scan# 2128
Delta R.T. 0.006 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

Tgt Ion:138 Resp: 739921
Ion Ratio Lower Upper
138 100
92 53.5 43.9 65.9
108 81.6 67.0 100.6

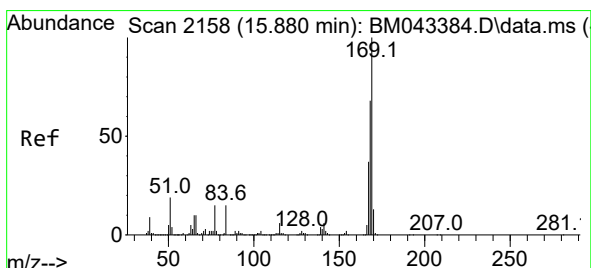
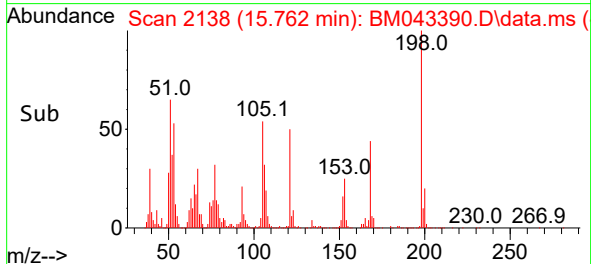
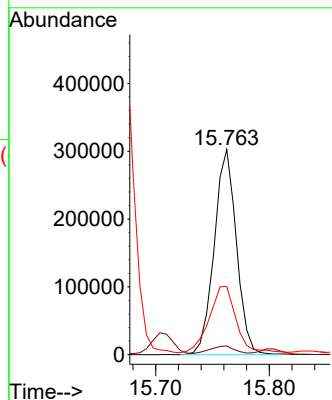
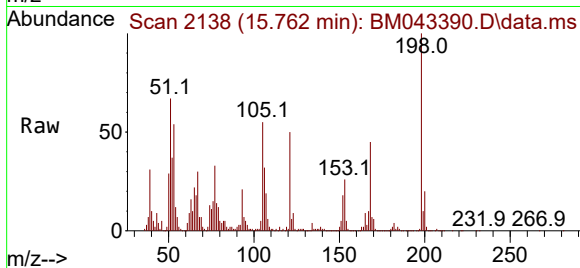




#66
4,6-Dinitro-2-methylphenol
Concen: 38.201 ng/ul
RT: 15.762 min Scan# 2136
Delta R.T. 0.012 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

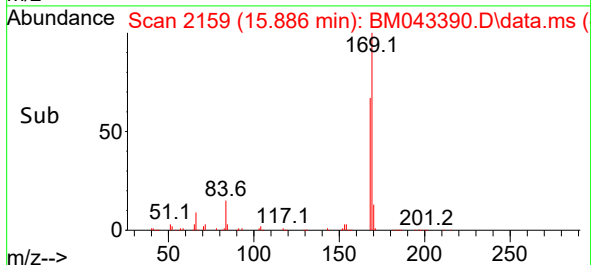
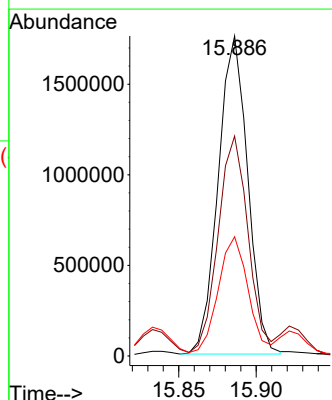
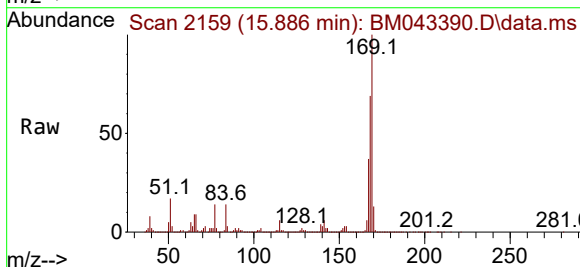
Instrument :
BNA_M
ClientSampleId :
DCLF3MSD

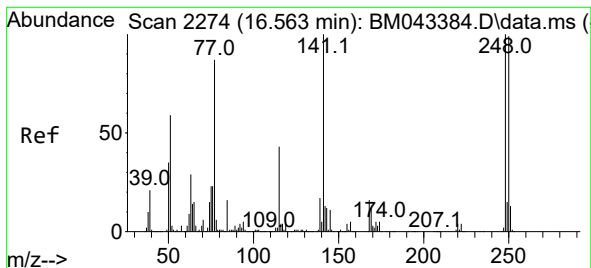
Tgt Ion:198 Resp: 412061
Ion Ratio Lower Upper
198 100
182 4.3 3.8 5.6
77 33.2 27.6 41.4



#67
N-Nitrosodiphenylamine
Concen: 39.615 ng/ul
RT: 15.886 min Scan# 2159
Delta R.T. 0.006 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

Tgt Ion:169 Resp: 2324473
Ion Ratio Lower Upper
169 100
168 68.7 54.1 81.1
167 37.3 29.8 44.8

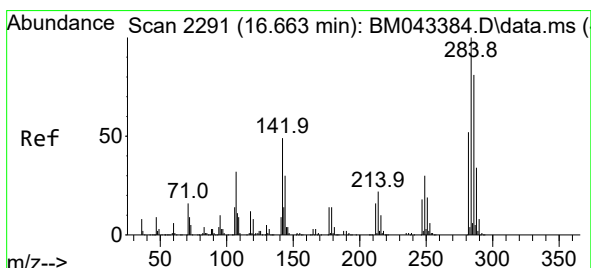
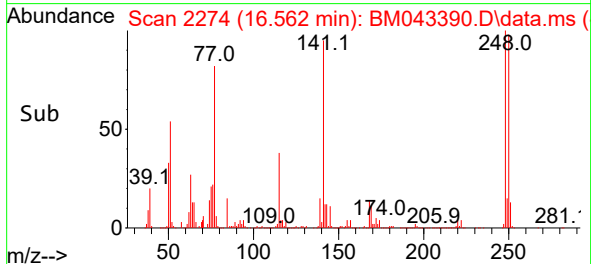
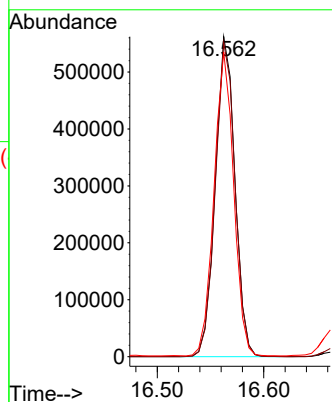
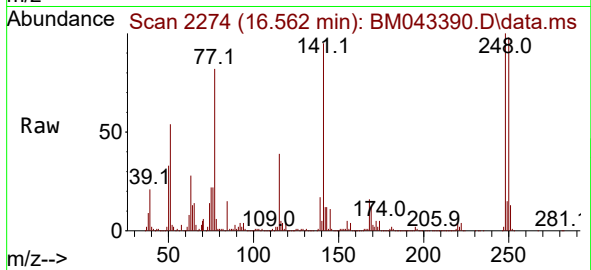




#68
4-Bromophenyl-phenylether
Concen: 39.743 ng/ul
RT: 16.562 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

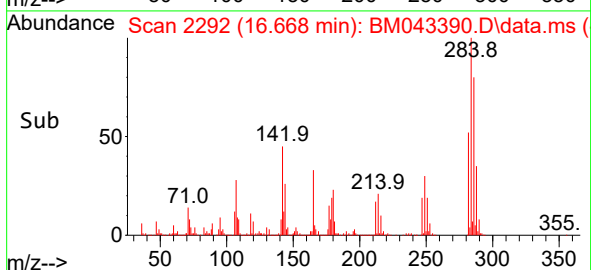
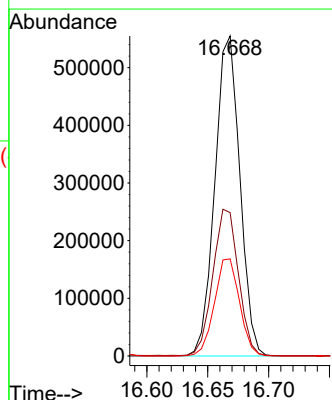
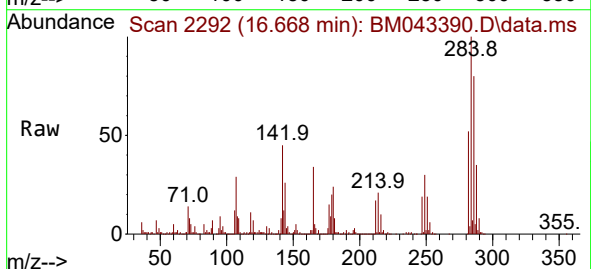
Instrument :
BNA_M
ClientSampleId :
DCLF3MSD

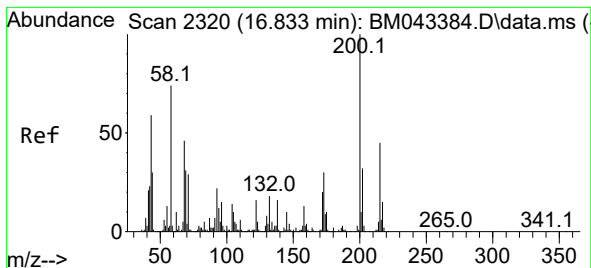
Tgt Ion:248 Resp: 719271
Ion Ratio Lower Upper
248 100
250 98.2 78.6 118.0
141 95.3 70.1 105.1



#69
Hexachlorobenzene
Concen: 38.224 ng/ul
RT: 16.668 min Scan# 2292
Delta R.T. 0.006 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

Tgt Ion:284 Resp: 792551
Ion Ratio Lower Upper
284 100
142 44.8 34.5 51.7
249 30.4 23.8 35.6





#70

Atrazine

Concen: 34.653 ng/ul

RT: 16.845 min Scan# 21

Delta R.T. 0.012 min

Lab File: BM043390.D

Acq: 18 Dec 2023 13:16

Instrument :

BNA_M

ClientSampleId :

DCLF3MSD

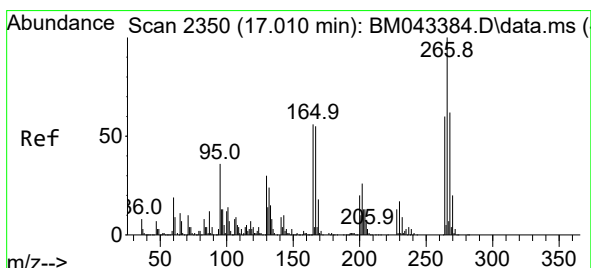
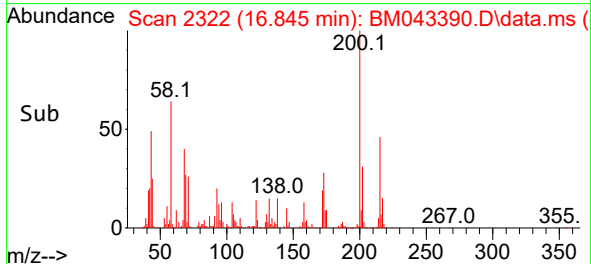
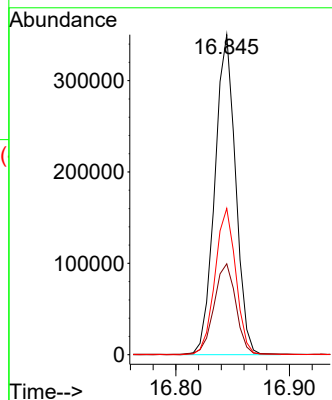
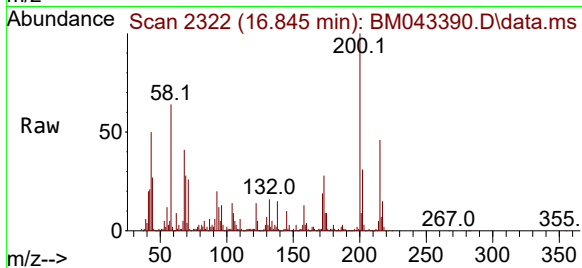
Tgt Ion:200 Resp: 445692

Ion Ratio Lower Upper

200 100

173 28.4 23.4 35.2

215 45.7 37.8 56.8



#71

Pentachlorophenol

Concen: 35.568 ng/ul

RT: 17.015 min Scan# 2351

Delta R.T. 0.006 min

Lab File: BM043390.D

Acq: 18 Dec 2023 13:16

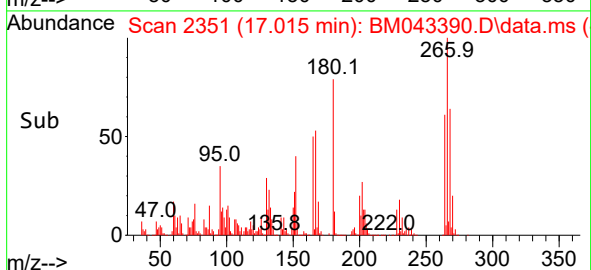
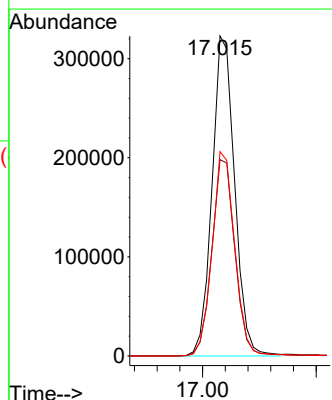
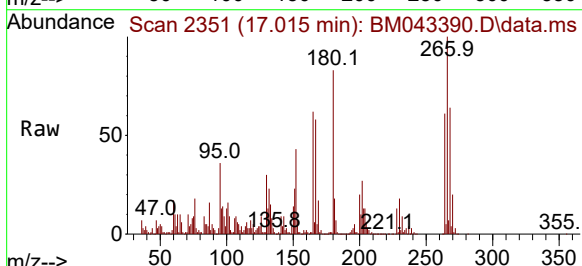
Tgt Ion:266 Resp: 445839

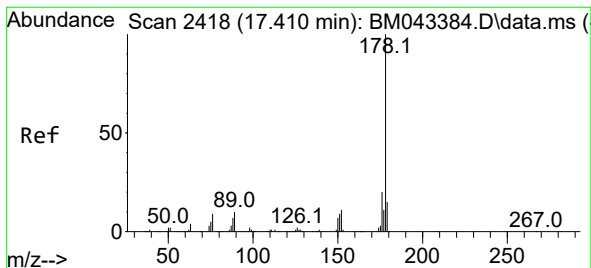
Ion Ratio Lower Upper

266 100

264 61.3 49.9 74.9

268 63.8 51.0 76.6





#72

Phenanthrene

Concen: 1.457 ng/ul

RT: 17.568 min Scan# 2445

Delta R.T. 0.159 min

Lab File: BM043390.D

Acq: 18 Dec 2023 13:16

Instrument :

BNA_M

ClientSampleId :

DCLF3MSD

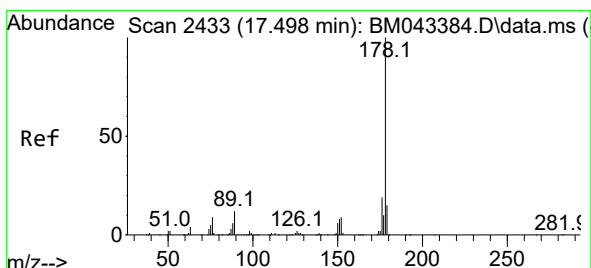
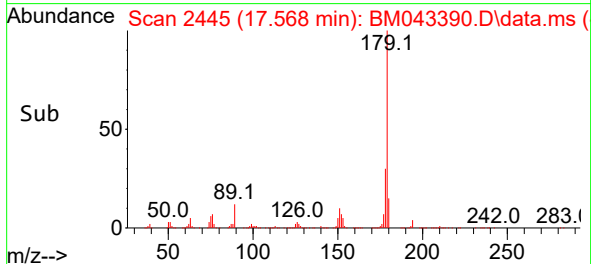
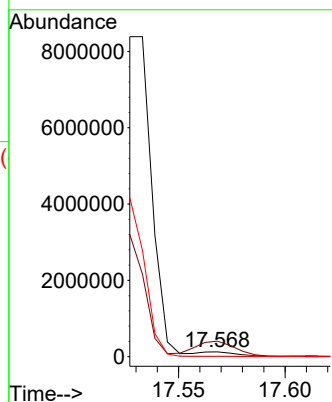
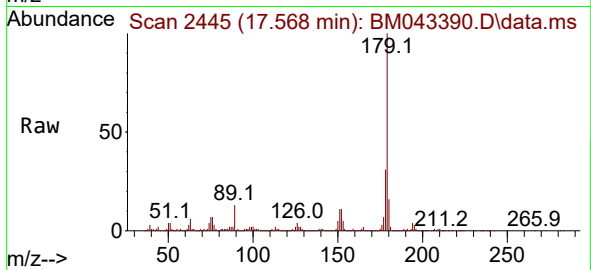
Tgt Ion:178 Resp: 150833

Ion Ratio Lower Upper

178 100

179 325.3 12.2 18.4#

176 8.5 15.5 23.3#



#74

Anthracene

Concen: 1.443 ng/ul

RT: 17.568 min Scan# 2445

Delta R.T. 0.071 min

Lab File: BM043390.D

Acq: 18 Dec 2023 13:16

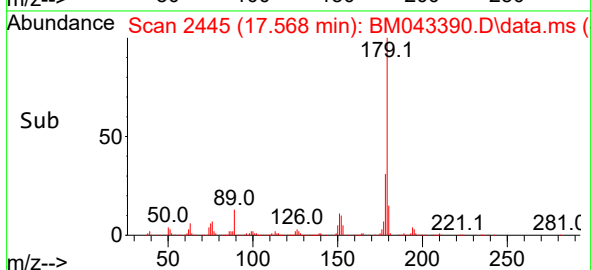
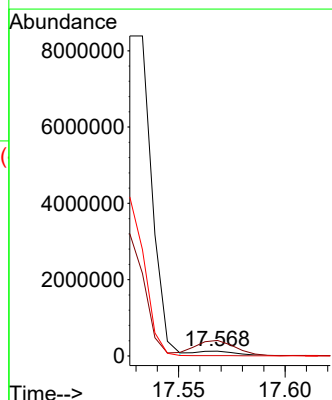
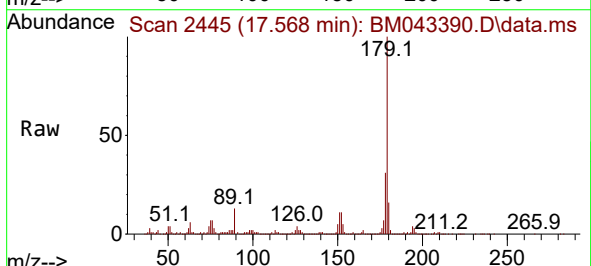
Tgt Ion:178 Resp: 150833

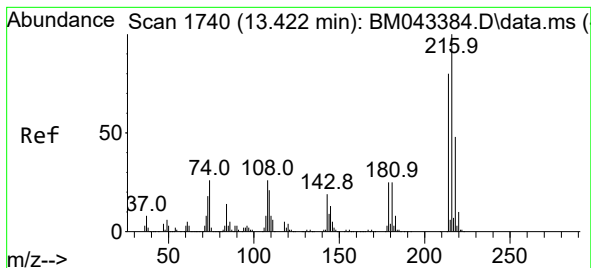
Ion Ratio Lower Upper

178 100

179 325.3 12.4 18.6#

176 8.5 15.2 22.8#





#75

1,2,3,4-Tetrachlorobenzene

Concen: 44.714 ng/uL

RT: 13.427 min Scan# 1

Delta R.T. 0.006 min

Lab File: BM043390.D

Acq: 18 Dec 2023 13:16

Instrument :

BNA_M

ClientSampleId :

DCLF3MSD

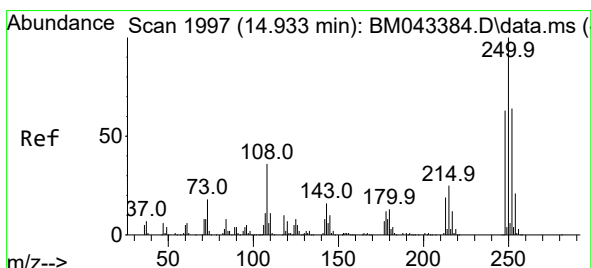
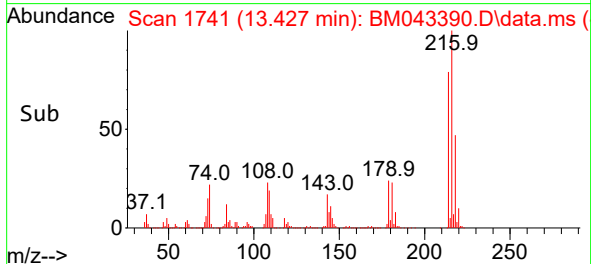
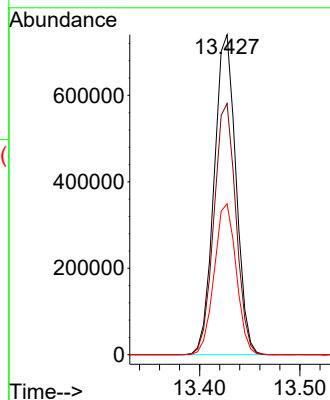
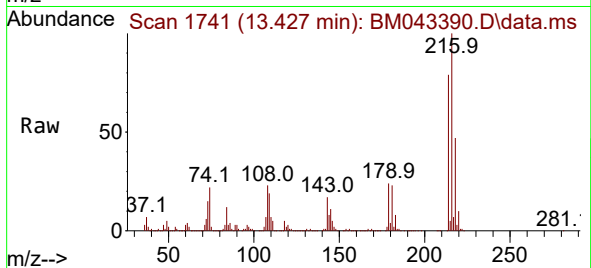
Tgt Ion:216 Resp: 1121766

Ion Ratio Lower Upper

216 100

214 78.5 63.0 94.6

218 47.1 38.6 57.8



#76

Pentachlorobenzene

Concen: 40.862 ng/uL

RT: 14.939 min Scan# 1998

Delta R.T. 0.006 min

Lab File: BM043390.D

Acq: 18 Dec 2023 13:16

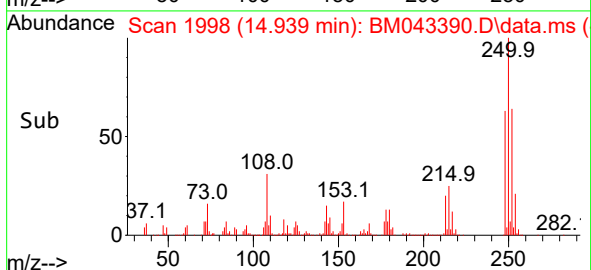
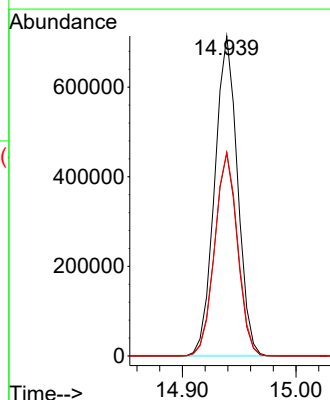
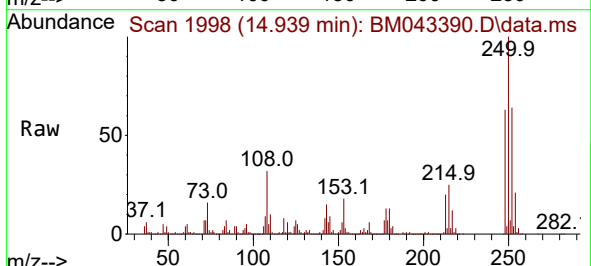
Tgt Ion:250 Resp: 998181

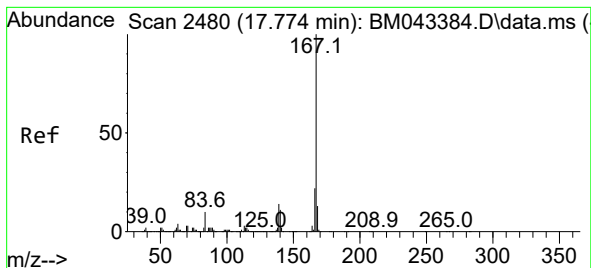
Ion Ratio Lower Upper

250 100

248 63.4 49.0 73.4

252 63.7 49.6 74.4





#77

Carbazole

Concen: 64.904 ng/ul

RT: 17.780 min Scan# 2480

Delta R.T. 0.006 min

Lab File: BM043390.D

Acq: 18 Dec 2023 13:16

Instrument :

BNA_M

ClientSampleId :

DCLF3MSD

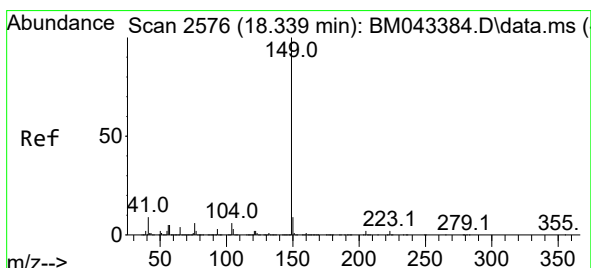
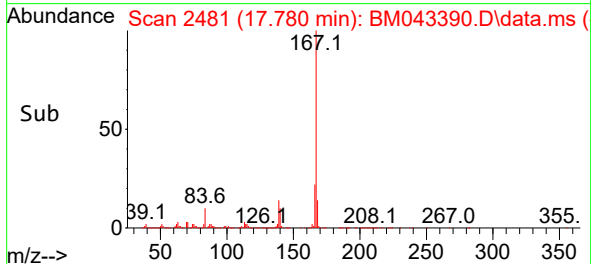
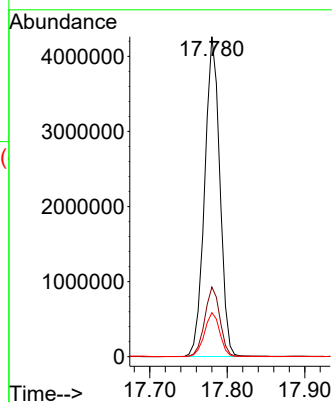
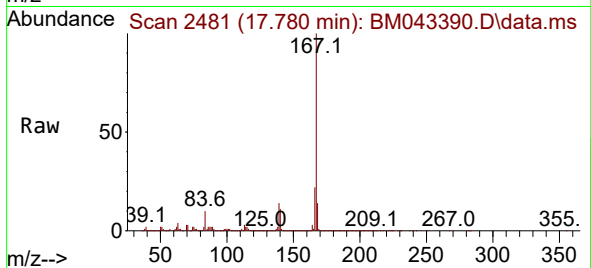
Tgt Ion:167 Resp: 5788177

Ion Ratio Lower Upper

167 100

166 21.8 17.3 25.9

139 13.7 10.7 16.1



#78

Di-n-butylphthalate

Concen: 43.108 ng/ul

RT: 18.345 min Scan# 2577

Delta R.T. 0.006 min

Lab File: BM043390.D

Acq: 18 Dec 2023 13:16

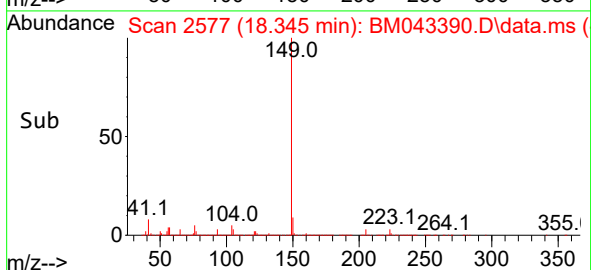
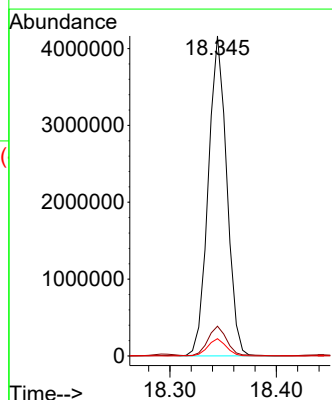
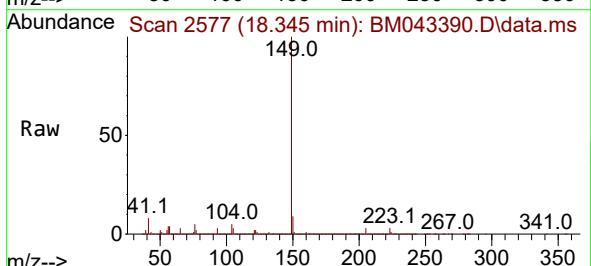
Tgt Ion:149 Resp: 5025876

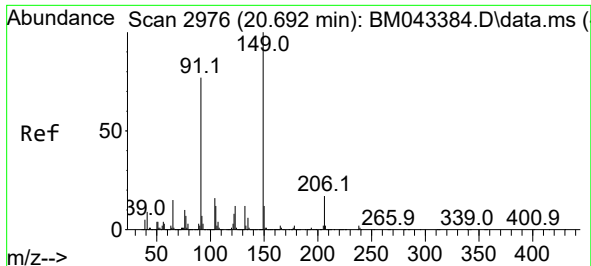
Ion Ratio Lower Upper

149 100

150 9.3 7.4 11.0

104 5.4 4.2 6.2

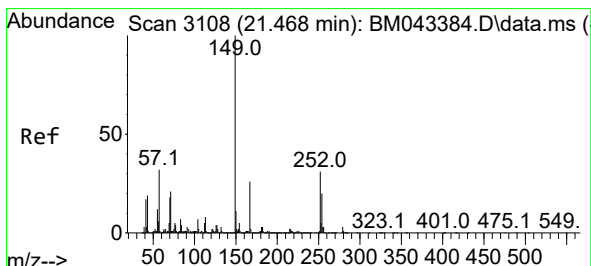
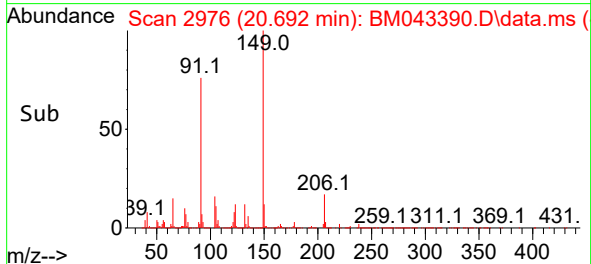
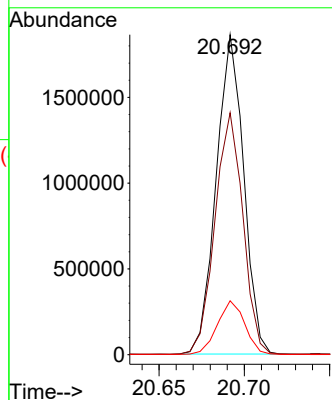
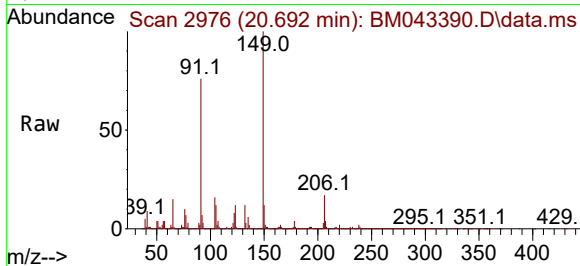




#83
Butylbenzylphthalate
Concen: 41.700 ng/ul
RT: 20.692 min Scan# 2976
Delta R.T. 0.006 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

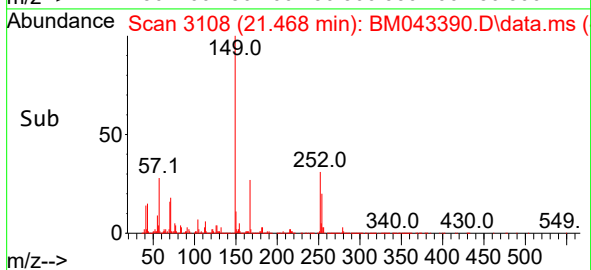
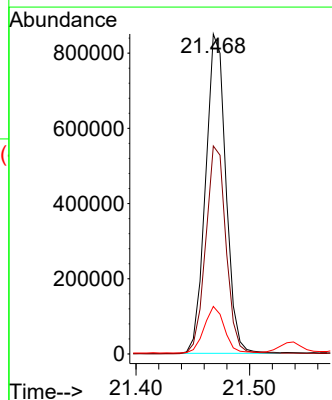
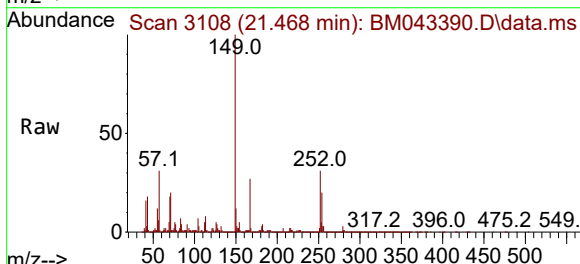
Instrument :
BNA_M
ClientSampleId :
DCLF3MSD

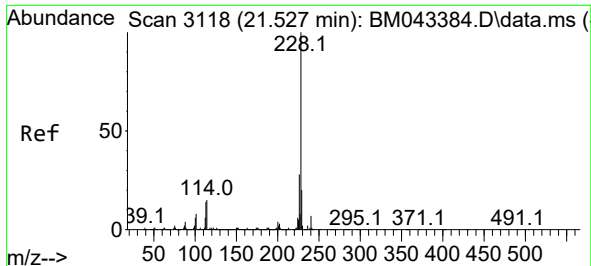
Tgt Ion:149 Resp: 2085933
Ion Ratio Lower Upper
149 100
91 75.6 60.5 90.7
206 16.9 13.9 20.9



#84
3,3'-Dichlorobenzidine
Concen: 37.107 ng/ul
RT: 21.468 min Scan# 3108
Delta R.T. 0.012 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

Tgt Ion:252 Resp: 1052016
Ion Ratio Lower Upper
252 100
254 65.0 50.7 76.1
126 14.8 12.3 18.5

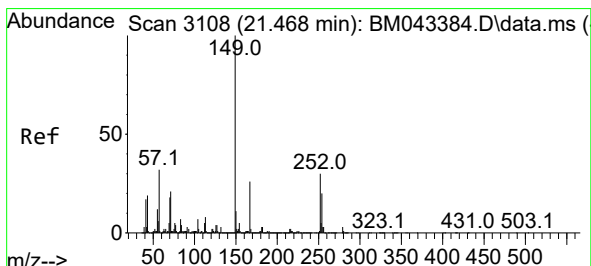
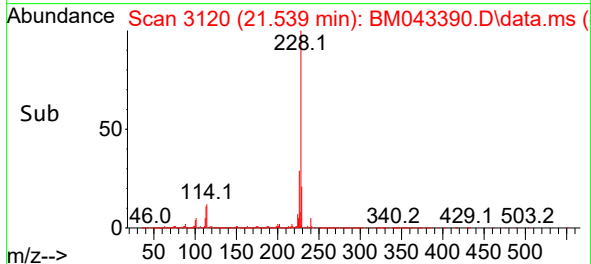
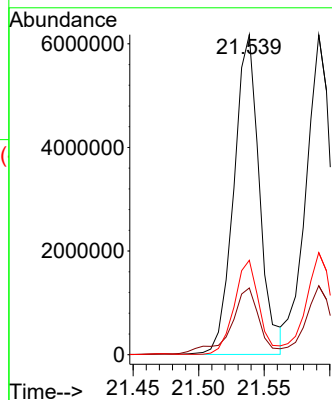
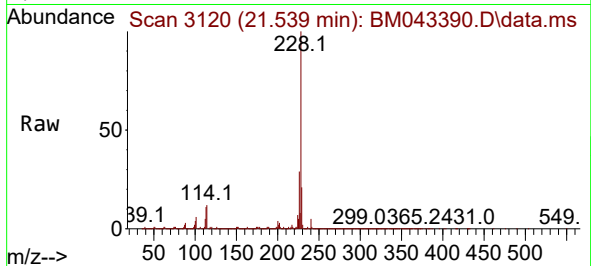




#85
Benzo(a)anthracene
Concen: 86.869 ng/ul
RT: 21.539 min Scan# 3118
Delta R.T. 0.018 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

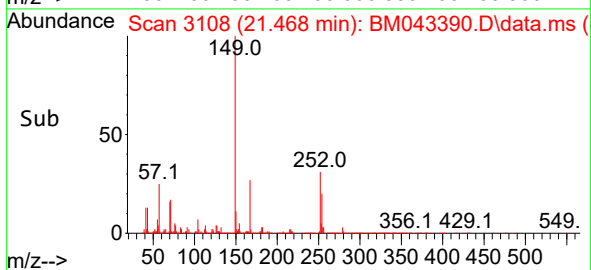
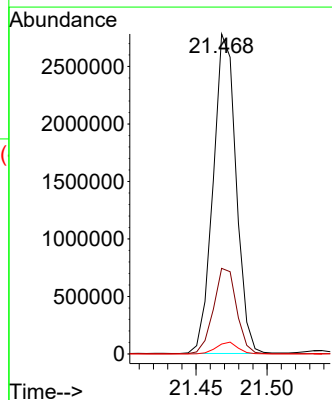
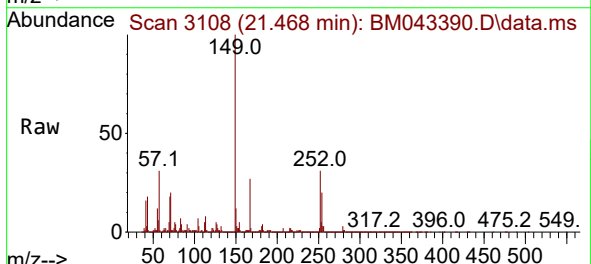
Instrument :
BNA_M
ClientSampleId :
DCLF3MSD

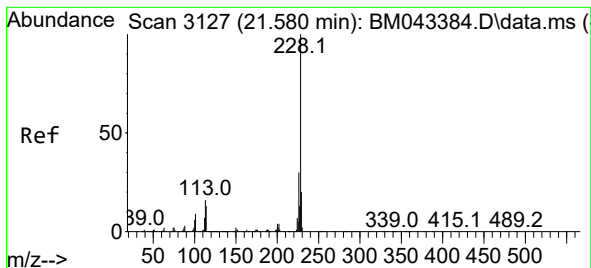
Tgt Ion:228 Resp: 8361672
Ion Ratio Lower Upper
228 100
229 20.8 15.6 23.4
226 29.5 22.2 33.2



#86
Bis(2-ethylhexyl)phthalate
Concen: 43.819 ng/ul
RT: 21.468 min Scan# 3108
Delta R.T. 0.006 min
Lab File: BM043390.D
Acq: 18 Dec 2023 13:16

Tgt Ion:149 Resp: 3120603
Ion Ratio Lower Upper
149 100
167 26.7 21.6 32.4
279 3.1 2.8 4.2





#87

Chrysene

Concen: 93.420 ng/ul

RT: 21.592 min Scan# 3127

Delta R.T. 0.018 min

Lab File: BM043390.D

Acq: 18 Dec 2023 13:16

Instrument :

BNA_M

ClientSampleId :

DCLF3MSD

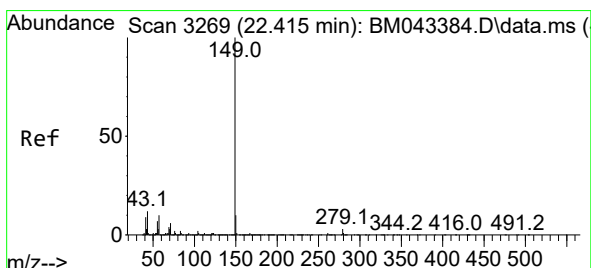
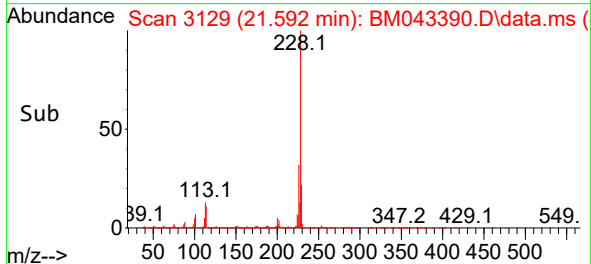
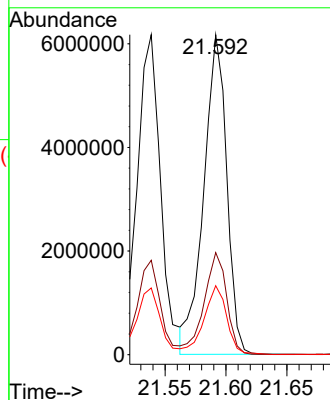
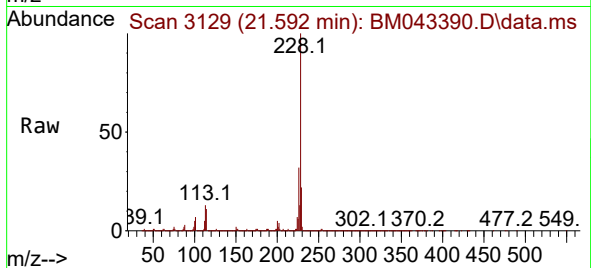
Tgt Ion:228 Resp: 8089696

Ion Ratio Lower Upper

228 100

226 31.9 24.2 36.2

229 21.6 15.9 23.9



#89

Di-n-octyl phthalate

Concen: 44.721 ng/ul

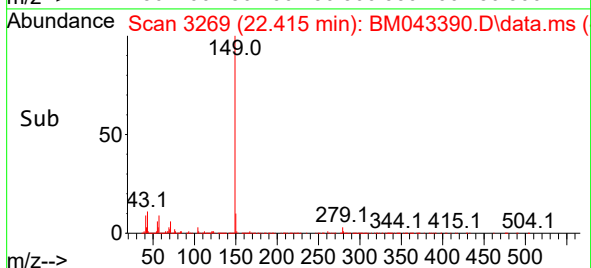
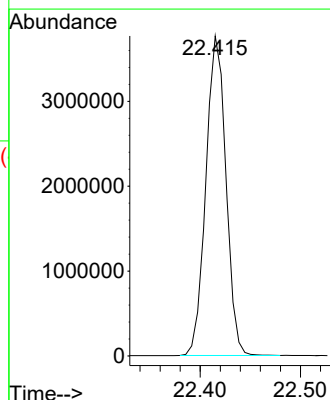
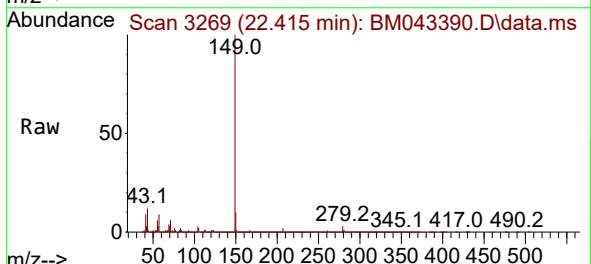
RT: 22.415 min Scan# 3269

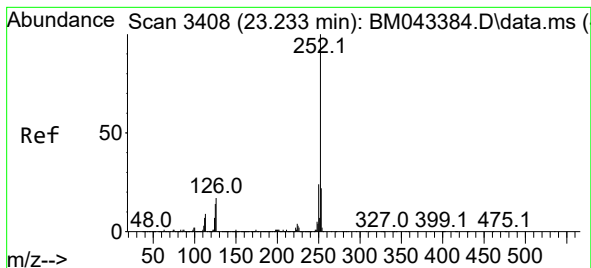
Delta R.T. 0.012 min

Lab File: BM043390.D

Acq: 18 Dec 2023 13:16

Tgt Ion:149 Resp: 5248600





#90

Benzo(b)fluoranthene

Concen: 69.555 ng/ul

RT: 23.244 min Scan# 34

Delta R.T. 0.024 min

Lab File: BM043390.D

Acq: 18 Dec 2023 13:16

Instrument :

BNA_M

ClientSampleId :

DCLF3MSD

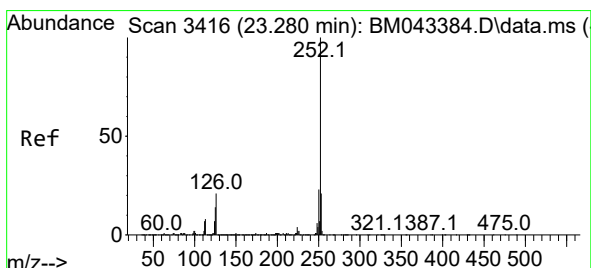
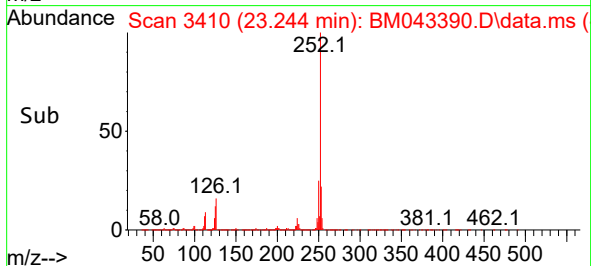
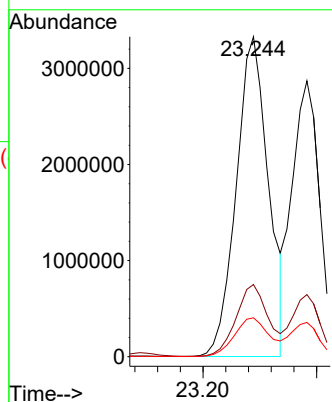
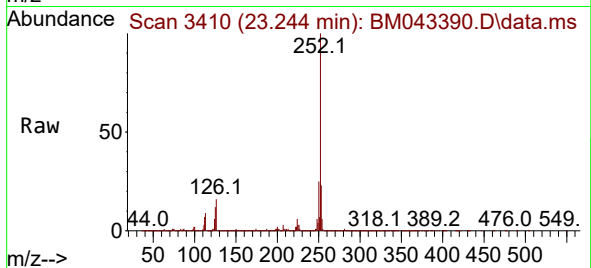
Tgt Ion:252 Resp: 6539547

Ion Ratio Lower Upper

252 100

253 22.5 17.4 26.2

125 12.2 10.4 15.6



#91

Benzo(k)fluoranthene

Concen: 52.480 ng/ul

RT: 23.291 min Scan# 3418

Delta R.T. 0.024 min

Lab File: BM043390.D

Acq: 18 Dec 2023 13:16

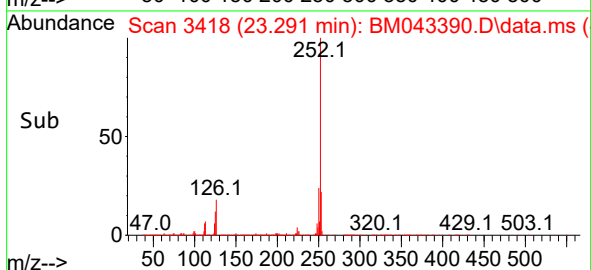
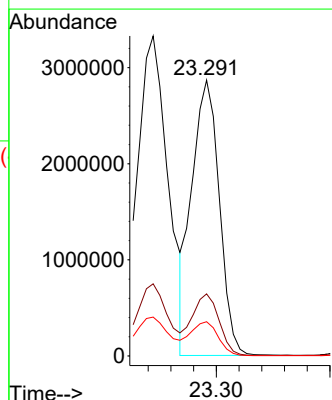
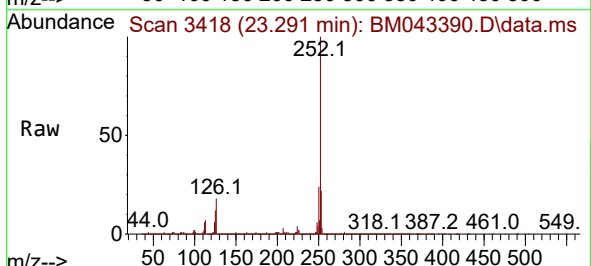
Tgt Ion:252 Resp: 4812405

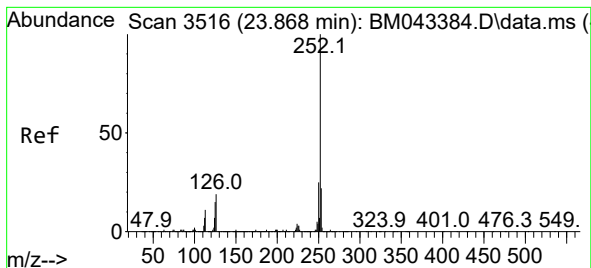
Ion Ratio Lower Upper

252 100

253 22.5 17.5 26.3

125 12.4 10.2 15.4





#93

Benzo(a)pyrene

Concen: 56.904 ng/ul

RT: 23.880 min Scan# 3

Delta R.T. 0.029 min

Lab File: BM043390.D

Acq: 18 Dec 2023 13:16

Instrument :

BNA_M

ClientSampleId :

DCLF3MSD

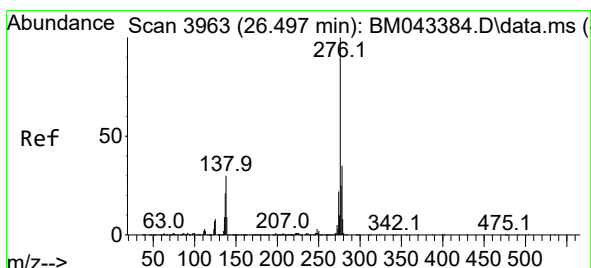
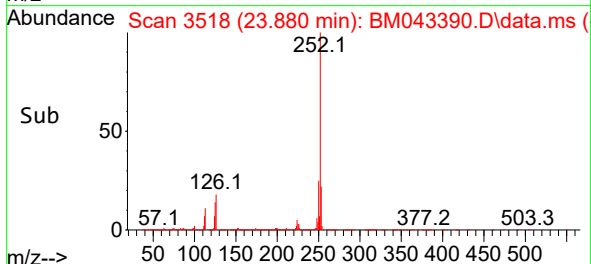
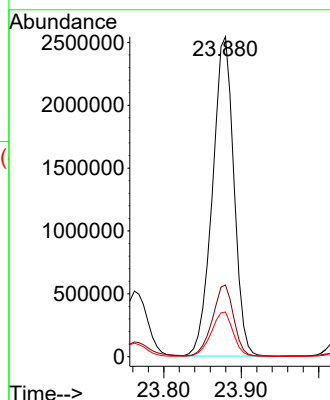
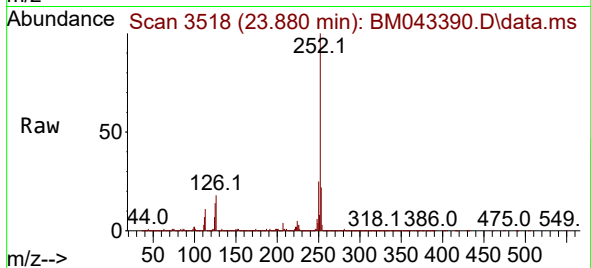
Tgt Ion:252 Resp: 4881231

Ion Ratio Lower Upper

252 100

253 22.4 17.9 26.9

125 14.0 11.4 17.2



#94

Indeno(1,2,3-cd)pyrene

Concen: 47.587 ng/ul

RT: 26.521 min Scan# 3967

Delta R.T. 0.041 min

Lab File: BM043390.D

Acq: 18 Dec 2023 13:16

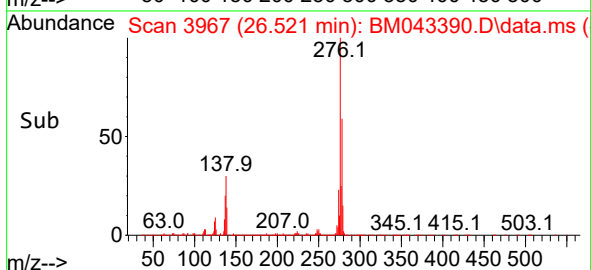
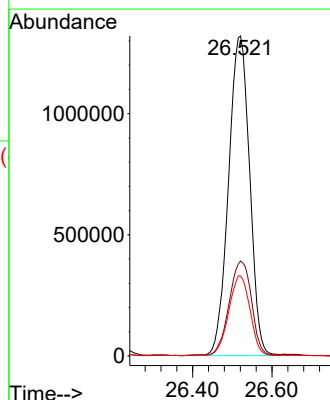
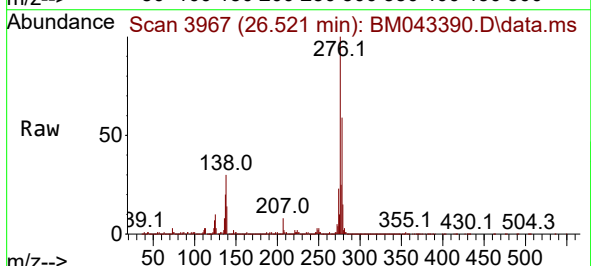
Tgt Ion:276 Resp: 4874064

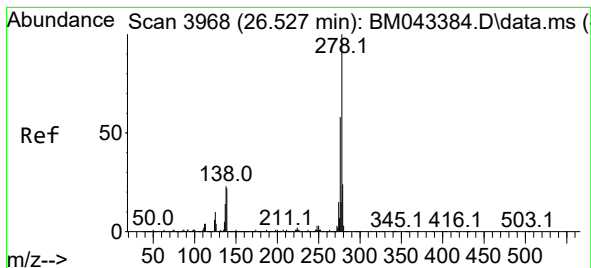
Ion Ratio Lower Upper

276 100

138 29.7 22.6 34.0

277 25.0 19.7 29.5





#95

Dibenzo(a,h)anthracene

Concen: 43.459 ng/ul

RT: 26.544 min Scan# 3968

Delta R.T. 0.041 min

Lab File: BM043390.D

Acq: 18 Dec 2023 13:16

Instrument :

BNA_M

ClientSampleId :

DCLF3MSD

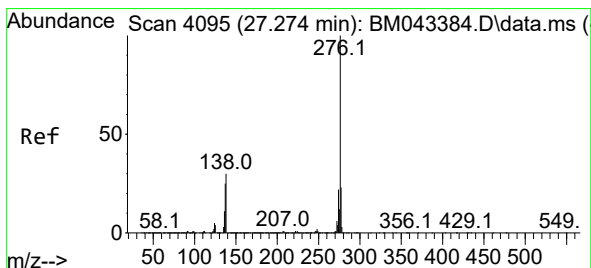
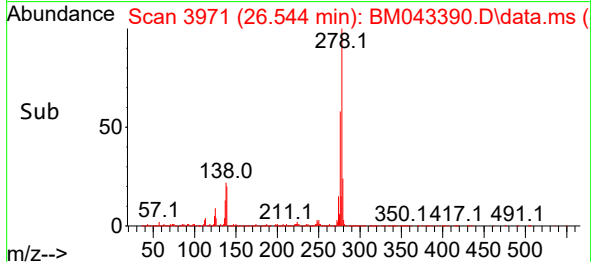
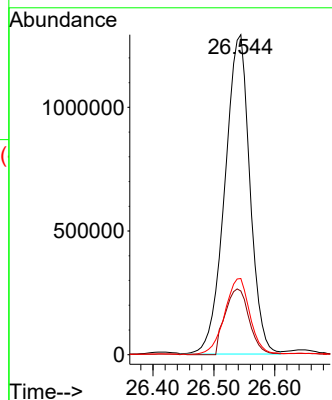
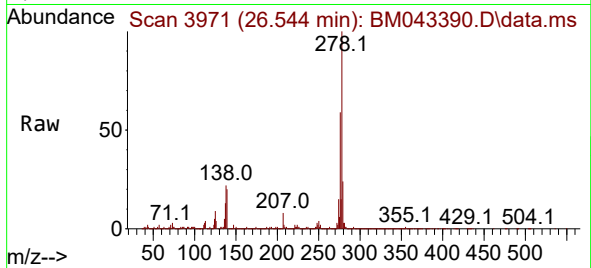
Tgt Ion:278 Resp: 3685904

Ion Ratio Lower Upper

278 100

139 19.9 16.0 24.0

279 23.8 19.4 29.0



#96

Benzo(g,h,i)perylene

Concen: 46.986 ng/ul

RT: 27.297 min Scan# 4099

Delta R.T. 0.047 min

Lab File: BM043390.D

Acq: 18 Dec 2023 13:16

Tgt Ion:276 Resp: 3772455

Ion Ratio Lower Upper

276 100

138 27.9 22.4 33.6

277 23.8 19.1 28.7

