

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121423\
 Data File : BM043348.D
 Acq On : 14 Dec 2023 22:32
 Operator : MA/JU
 Sample : 05626-07MSD
 Misc :
 ALS Vial : 11 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 DCLF3MSD

Quant Time: Dec 14 23:29:02 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM120723.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Wed Dec 13 22:33:14 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.987	152	315735	20.000	ng/ul	-0.01
20) Naphthalene-d8	10.798	136	1309901	20.000	ng/ul	0.00
38) Acenaphthene-d10	14.615	164	710513	20.000	ng/ul	0.00
64) Phenanthrene-d10	17.362	188	1355256	20.000	ng/ul	# 0.00
79) Chrysene-d12	21.533	240	1115488	20.000	ng/ul	# 0.00
88) Perylene-d12	23.950	264	1171151	20.000	ng/ul	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.387	96	54400	6.762	ng/uL	0.00
4) Pyridine-d5	3.804	84	799970	33.513	ng/ul	-0.01
7) Phenol-d5	7.145	99	1105676	35.274	ng/ul	-0.01
9) Bis-(2-Chloroethyl)eth...	7.328	67	694737	35.803	ng/ul	0.00
11) 2-Chlorophenol-d4	7.516	132	857826	35.898	ng/ul	-0.01
15) 4-Methylphenol-d8	8.698	113	848466	34.215	ng/ul	-0.01
21) Nitrobenzene-d5	9.157	128	428985	38.423	ng/ul	-0.01
24) 2-Nitrophenol-d4	9.880	143	452446	42.025	ng/ul	0.00
28) 2,4-Dichlorophenol-d3	10.416	165	796087	33.175	ng/ul	-0.01
31) 4-Chloroaniline-d4	10.939	131	1090048	31.570	ng/ul	-0.01
46) Dimethylphthalate-d6	14.039	166	2168494	34.817	ng/ul	0.00
49) Acenaphthylene-d8	14.316	160	2611650	36.244	ng/ul	0.00
54) 4-Nitrophenol-d4	14.821	143	423239	37.923	ng/ul	0.00
60) Fluorene-d10	15.610	176	1792260	33.011	ng/ul	0.00
65) 4,6-Dinitro-2-methylph...	15.733	200	270155	36.218	ng/ul	0.00
73) Anthracene-d10	17.468	188	2542795	34.681	ng/ul	0.00
81) Pyrene-d10	19.745	212	2818545	39.489	ng/ul	0.00
92) Benzo(a)pyrene-d12	23.791	264	2479609	36.284	ng/ul	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.422	88	134655	15.239	ng/uL	97
5) Pyridine	3.822	79	987196	40.239	ng/ul	98
6) Benzaldehyde	7.128	77	626714	38.846	ng/ul	98
8) Phenol	7.175	94	1237919	39.933	ng/ul	99
10) Bis(2-Chloroethyl)ether	7.416	93	996103	39.852	ng/ul	98
12) 2-Chlorophenol	7.545	128	976189	40.268	ng/ul	98
13) 2-Methylphenol	8.434	108	932718	38.909	ng/ul	97
14) 2,2'-oxybis(1-Chloropr...	8.516	45	1664443	40.052	ng/ul	100
16) Acetophenone	8.822	105	1449928	36.378	ng/ul	100
17) N-Nitroso-di-n-propyla...	8.810	70	802637	36.739	ng/ul	99
18) 4-Methylphenol	8.763	108	998571	38.392	ng/ul	99
19) Hexachloroethane	9.063	117	421154	40.985	ng/ul#	82
22) Nitrobenzene	9.204	77	1163110	43.328	ng/ul	100
23) Isophorone	9.728	82	2239641	39.155	ng/ul	99
25) 2-Nitrophenol	9.910	139	531929	45.080	ng/ul	96
26) 2,4-Dimethylphenol	9.969	107	944582	40.830	ng/ul	99
27) Bis(2-Chloroethoxy)met...	10.216	93	1334398	39.678	ng/ul	100
29) 2,4-Dichlorophenol	10.439	162	855200	36.718	ng/ul	95
30) Naphthalene	10.845	128	3510141	43.658	ng/ul	99
32) 4-Chloroaniline	10.963	127	1020638	31.339	ng/ul	99
33) Hexachlorobutadiene	11.116	225	452324	31.168	ng/ul	99
34) Caprolactam	11.745	113	311986	45.050	ng/ul	88
35) 4-Chloro-3-methylphenol	12.080	107	964257	39.427	ng/ul	96
36) 2-Methylnaphthalene	12.451	142	2565196	44.346	ng/ul	100

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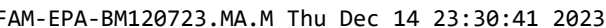
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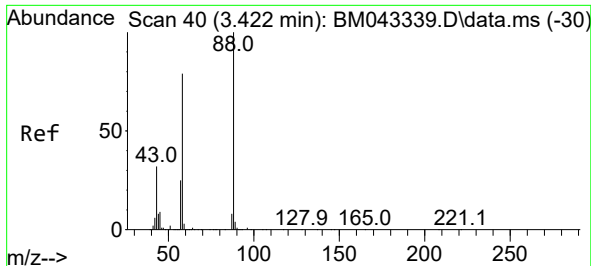
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.669	142	2372879	40.414	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.810	216	863721	35.931	ng/ul#	97
40) Hexachlorocyclopentadiene	12.780	237	426907	31.298	ng/ul	100
41) 2,4,6-Trichlorophenol	13.057	196	613969	41.045	ng/ul	100
42) 2,4,5-Trichlorophenol	13.127	196	652403	40.073	ng/ul	98
43) 1,1'-Biphenyl	13.457	154	2759489	43.903	ng/ul	99
44) 2-Chloronaphthalene	13.498	162	2025653	41.576	ng/ul	98
45) 2-Nitroaniline	13.710	65	680533	52.857	ng/ul	94
47) Dimethylphthalate	14.086	163	2409567	39.444	ng/ul	100
48) 2,6-Dinitrotoluene	14.210	165	491921	43.707	ng/ul	93
50) Acenaphthylene	14.339	152	3603516	44.248	ng/ul	99
51) 3-Nitroaniline	14.533	138	556730	44.587	ng/ul	92
52) Acenaphthene	14.686	153	5067280	94.329	ng/ul	100
53) 2,4-Dinitrophenol	14.739	184	228920	44.306	ng/ul#	84
55) 4-Nitrophenol	14.833	109	384428	47.637	ng/ul	94
56) Dibenzofuran	15.015	168	5903108	80.446	ng/ul	94
57) 2,4-Dinitrotoluene	14.992	165	705410	43.896	ng/ul#	87
58) 2,3,4,6-Tetrachlorophenol	15.239	232	477522	35.288	ng/ul#	88
59) Diethylphthalate	15.445	149	2521793	41.041	ng/ul	97
61) Fluorene	15.668	166	5868799	92.392	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.662	204	1118307	35.635	ng/ul	93
63) 4-Nitroaniline	15.692	138	638813	50.919	ng/ul	97
66) 4,6-Dinitro-2-methylph...	15.751	198	339597	41.637	ng/ul#	90
67) N-Nitrosodiphenylamine	15.874	169	1946666	42.833	ng/ul	97
68) 4-Bromophenyl-phenylether	16.557	248	619365	37.792	ng/ul	93
69) Hexachlorobenzene	16.657	284	709720	36.497	ng/ul#	92
70) Atrazine	16.833	200	408905	31.905	ng/ul	95
71) Pentachlorophenol	17.009	266	420200	36.698	ng/ul	98
72) Phenanthrene	17.556	178	133965	1.585	ng/ul#	1
74) Anthracene	17.556	178	133965	1.574	ng/ul#	1
75) 1,2,3,4-Tetrachloroben...	13.416	216	888254	41.428	ng/uL	99
76) Pentachlorobenzene	14.927	250	832879	38.225	ng/uL	98
77) Carbazole	17.768	167	5242181	74.965	ng/ul	98
78) Di-n-butylphthalate	18.333	149	4453450	48.961	ng/ul	98
83) Butylbenzylphthalate	20.680	149	1964605	57.989	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.450	252	1057071	39.873	ng/ul#	99
85) Benzo(a)anthracene	21.521	228	7962992	93.106	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.456	149	3015428	56.385	ng/ul	97
87) Chrysene	21.574	228	7818325	102.351	ng/ul	98
89) Di-n-octyl phthalate	22.397	149	5050315	62.693	ng/ul	100
90) Benzo(b)fluoranthene	23.215	252	5929530	70.961	ng/ul#	96
91) Benzo(k)fluoranthene	23.262	252	4658084	55.970	ng/ul#	97
93) Benzo(a)pyrene	23.844	252	4660951	60.347	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	26.474	276	4567564	51.918	ng/ul#	92
95) Dibenzo(a,h)anthracene	26.491	278	3471613	47.193	ng/ul#	96
96) Benzo(g,h,i)perylene	27.244	276	3547464	53.519	ng/ul#	93

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

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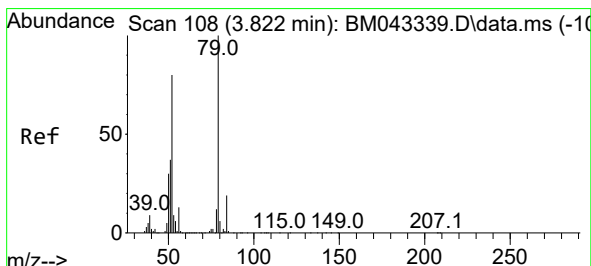
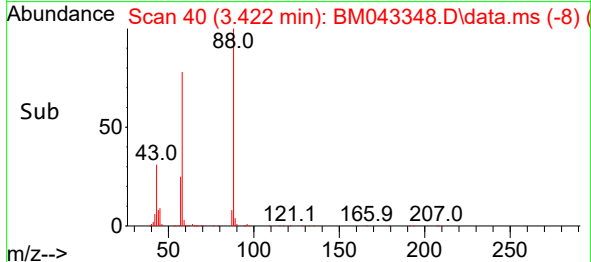
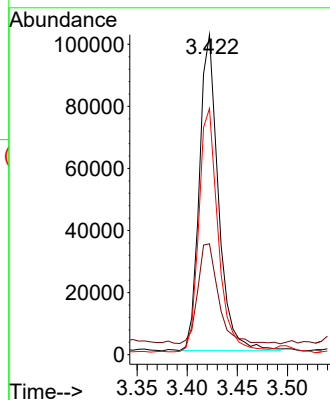
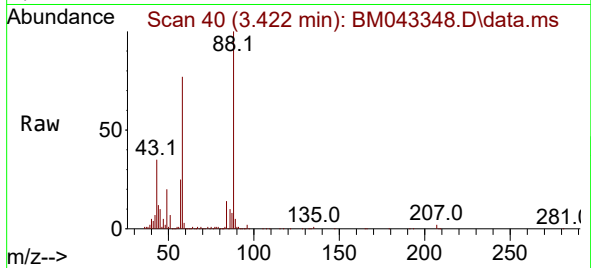




#2
1,4-Dioxane
Concen: 15.239 ng/uL
RT: 3.422 min Scan# 40
Delta R.T. -0.012 min
Lab File: BM043348.D
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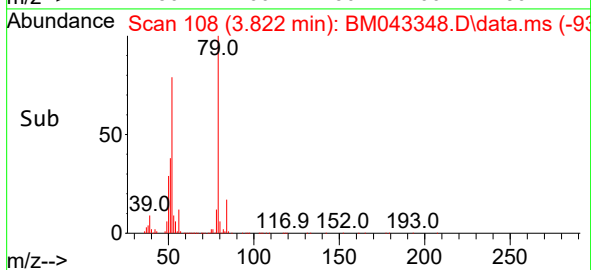
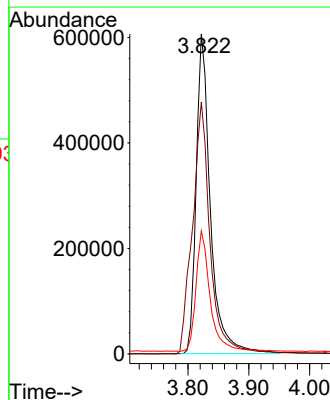
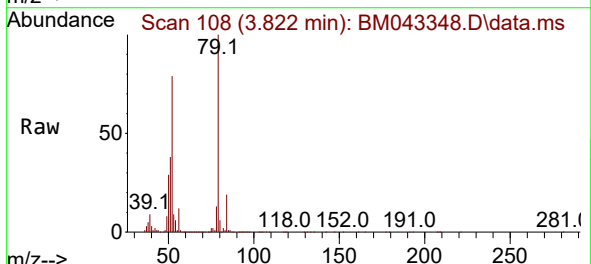
Instrument :
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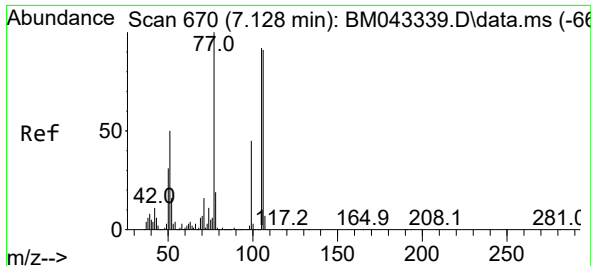
Tgt Ion: 88 Resp: 134655
Ion Ratio Lower Upper
88 100
43 34.6 25.0 37.4
58 76.9 60.6 90.8



#5
Pyridine
Concen: 40.239 ng/uL
RT: 3.822 min Scan# 108
Delta R.T. -0.012 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

Tgt Ion: 79 Resp: 987196
Ion Ratio Lower Upper
79 100
52 78.7 64.9 97.3
51 38.5 31.0 46.4

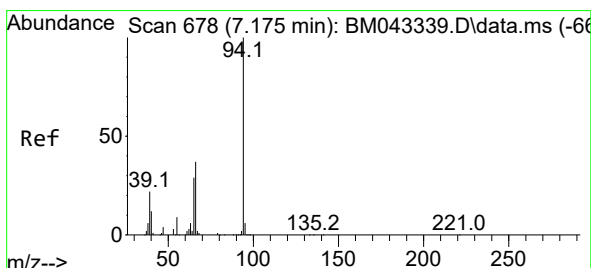
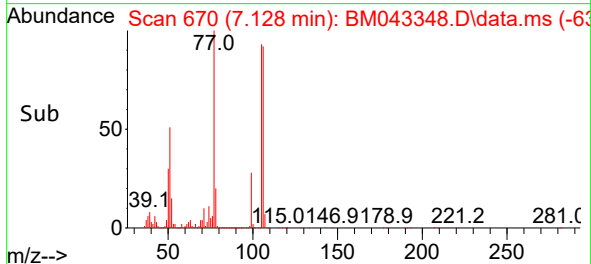
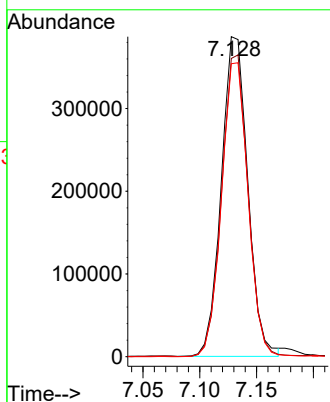
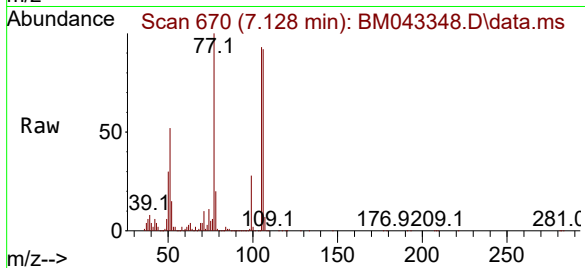




#6
Benzaldehyde
Concen: 38.846 ng/ul
RT: 7.128 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

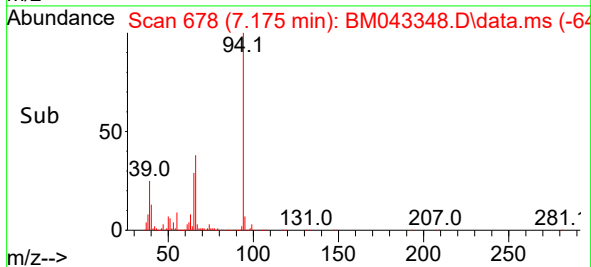
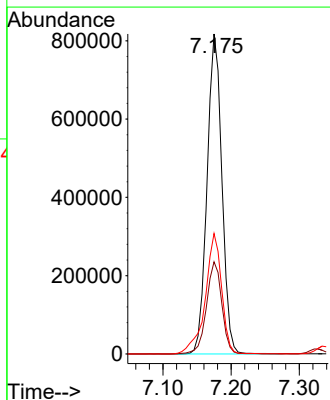
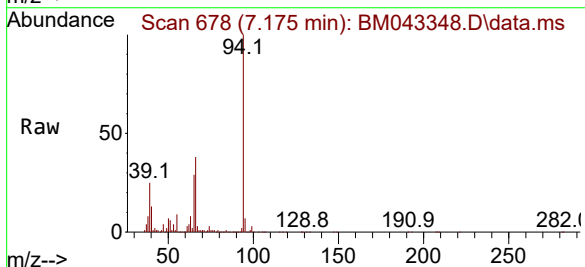
Instrument :
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ClientSampleId :
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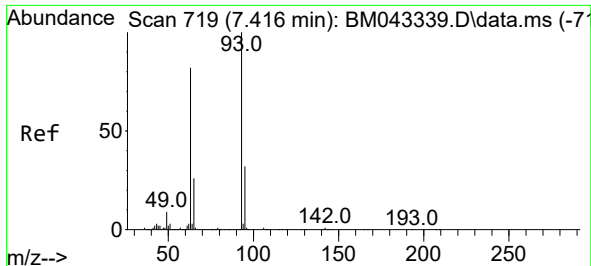
Tgt Ion: 77 Resp: 626714
Ion Ratio Lower Upper
77 100
105 93.2 76.3 114.5
106 91.5 74.6 112.0



#8
Phenol
Concen: 39.933 ng/ul
RT: 7.175 min Scan# 678
Delta R.T. -0.012 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

Tgt Ion: 94 Resp: 1237919
Ion Ratio Lower Upper
94 100
65 28.8 23.5 35.3
66 37.6 29.9 44.9

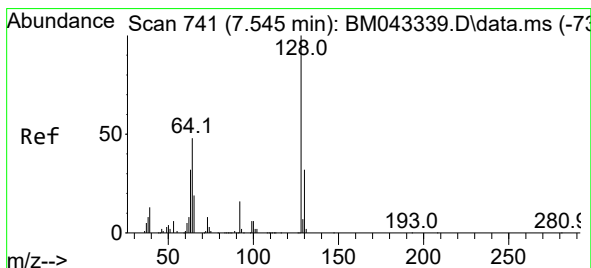
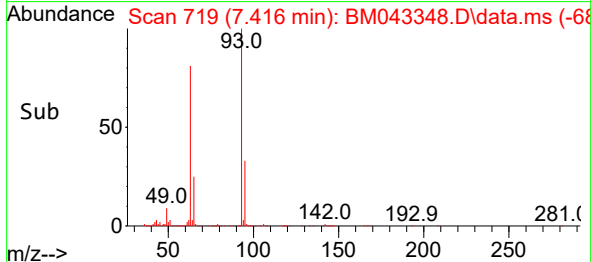
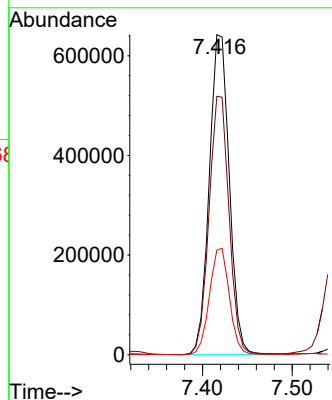
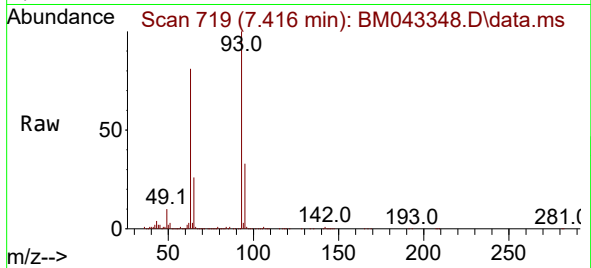




#10
Bis(2-Chloroethyl)ether
Concen: 39.852 ng/ul
RT: 7.416 min Scan# 719
Delta R.T. -0.012 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

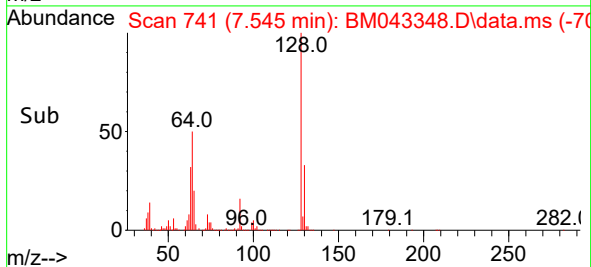
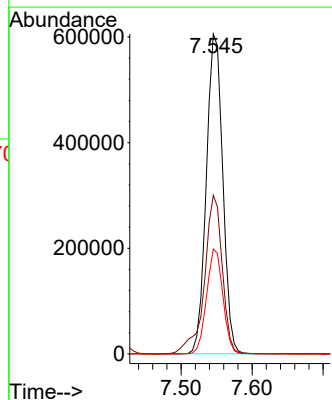
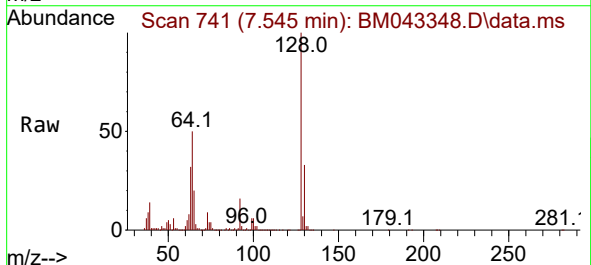
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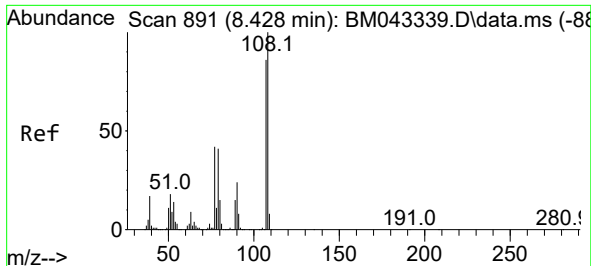
Tgt Ion: 93 Resp: 996103
Ion Ratio Lower Upper
93 100
63 80.8 63.0 94.4
95 32.7 26.0 39.0



#12
2-Chlorophenol
Concen: 40.268 ng/ul
RT: 7.545 min Scan# 741
Delta R.T. -0.012 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

Tgt Ion: 128 Resp: 976189
Ion Ratio Lower Upper
128 100
64 49.6 38.3 57.5
130 32.8 26.6 40.0

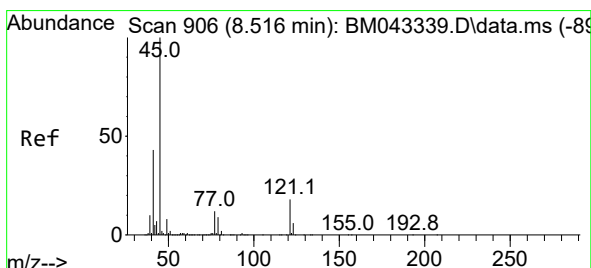
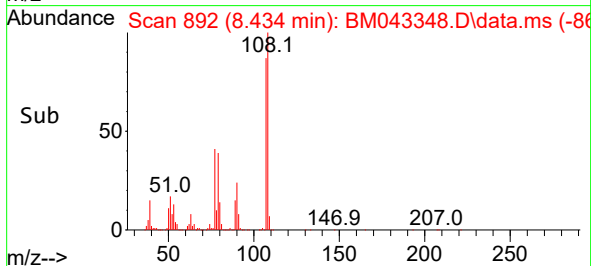
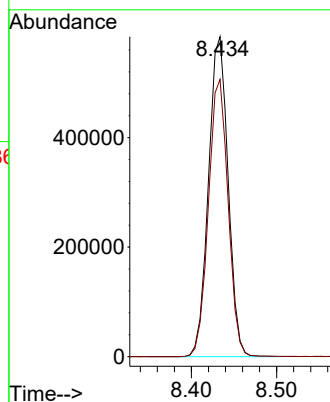
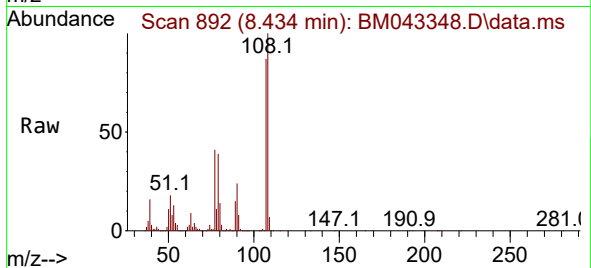




#13
2-Methylphenol
Concen: 38.909 ng/ul
RT: 8.434 min Scan# 891
Delta R.T. -0.012 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

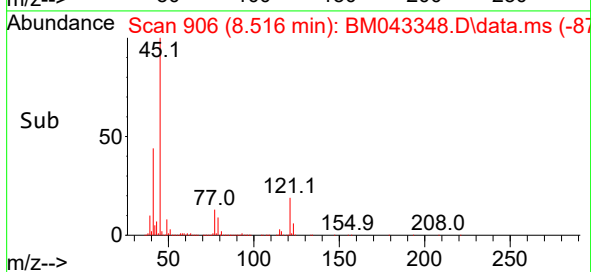
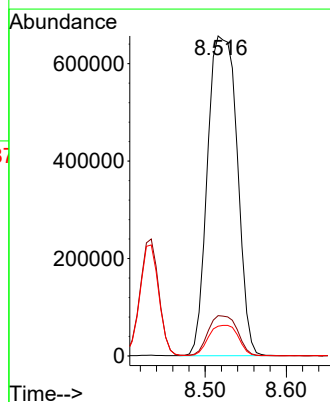
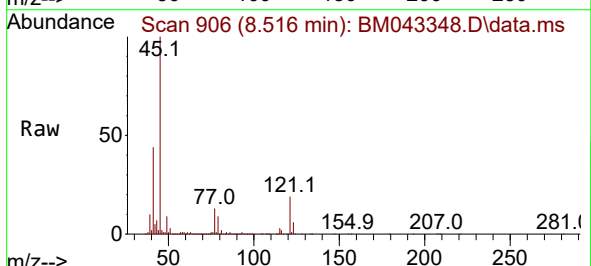
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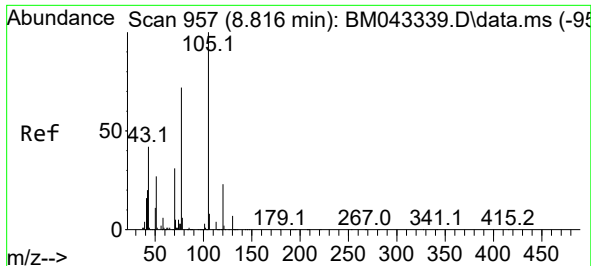
Tgt Ion:108 Resp: 932718
Ion Ratio Lower Upper
108 100
107 86.7 71.8 107.6



#14
2,2'-oxybis(1-Chloropropane)
Concen: 40.052 ng/ul
RT: 8.516 min Scan# 906
Delta R.T. -0.012 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

Tgt Ion: 45 Resp: 1664443
Ion Ratio Lower Upper
45 100
77 12.6 10.2 15.2
79 9.3 7.2 10.8

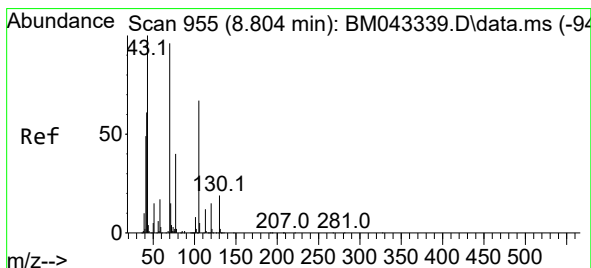
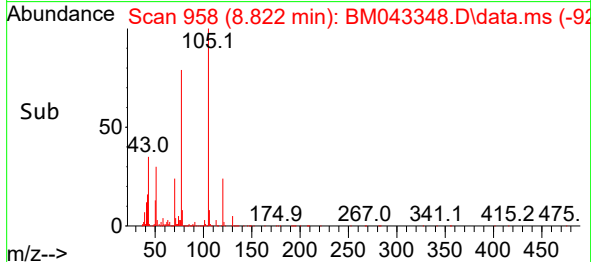
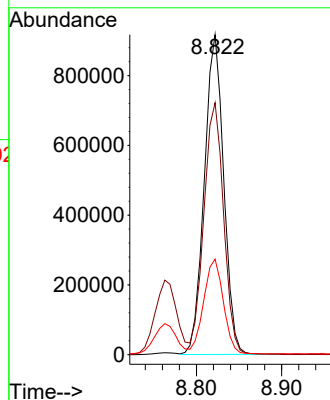
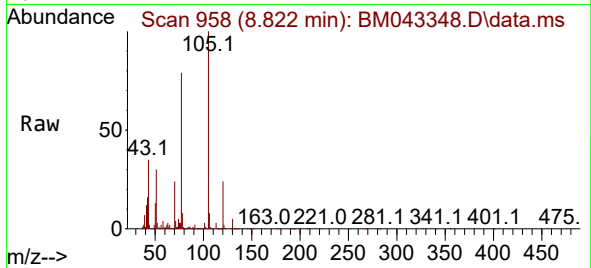




#16
Acetophenone
Concen: 36.378 ng/ul
RT: 8.822 min Scan# 91
Delta R.T. -0.012 min
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Acq: 14 Dec 2023 22:32

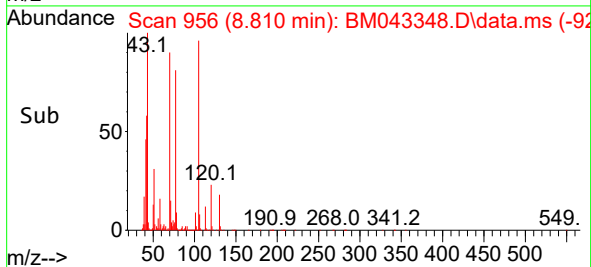
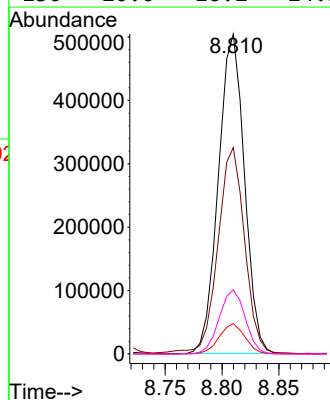
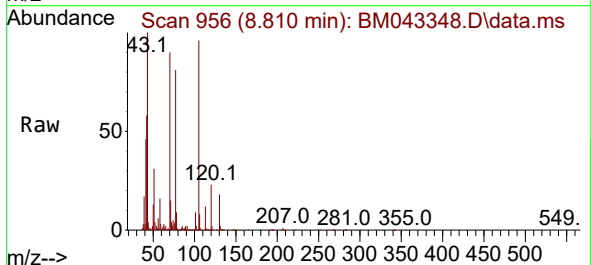
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ClientSampleId :
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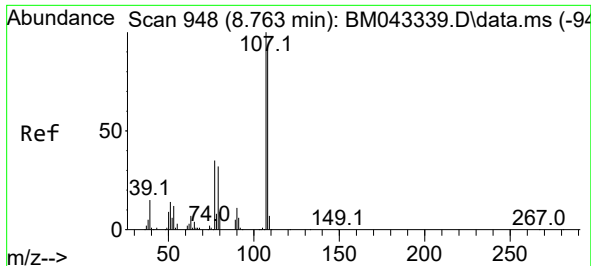
Tgt Ion:105 Resp: 1449928
Ion Ratio Lower Upper
105 100
77 78.8 62.7 94.1
51 29.8 23.8 35.8



#17
N-Nitroso-di-n-propylamine
Concen: 36.739 ng/ul
RT: 8.810 min Scan# 956
Delta R.T. -0.006 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

Tgt Ion: 70 Resp: 802637
Ion Ratio Lower Upper
70 100
42 64.5 52.3 78.5
101 9.5 7.0 10.6
130 20.0 16.2 24.2

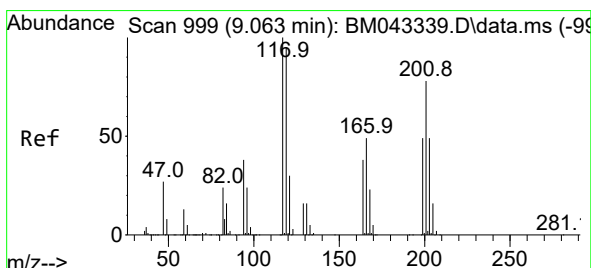
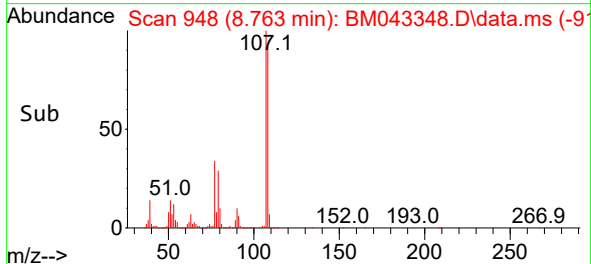
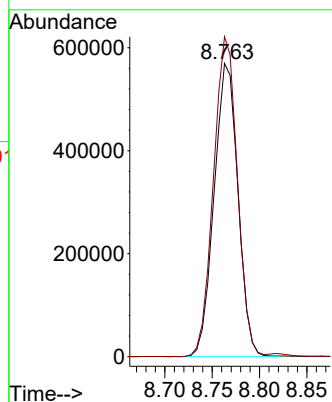
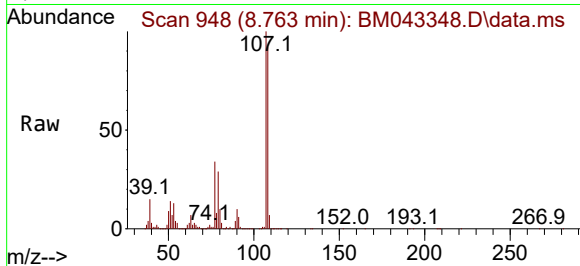




#18
4-Methylphenol
Concen: 38.392 ng/ul
RT: 8.763 min Scan# 948
Delta R.T. -0.012 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

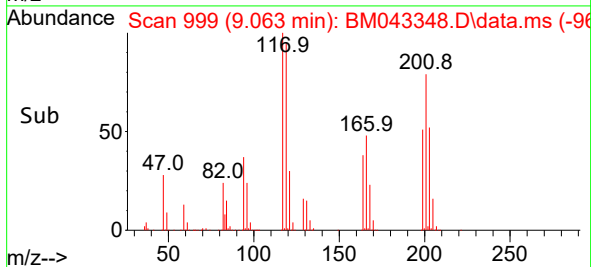
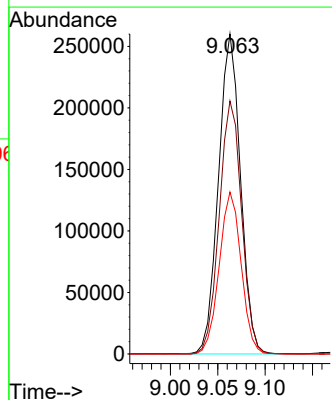
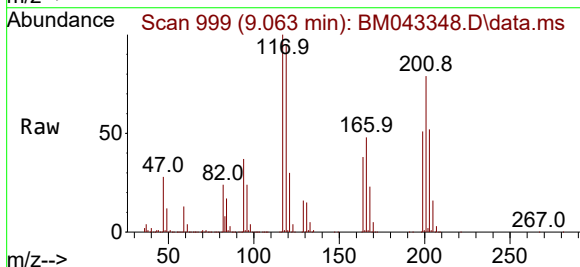
Instrument :
BNA_P
ClientSampleId :
DCLF3MSD

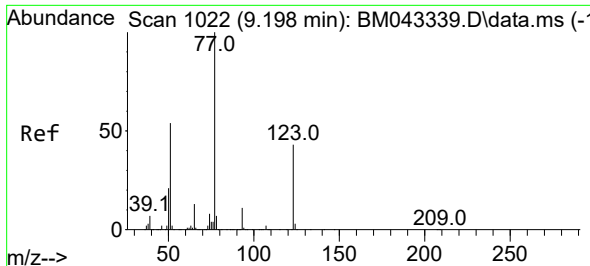
Tgt Ion:108 Resp: 998571
Ion Ratio Lower Upper
108 100
107 109.1 86.4 129.6



#19
Hexachloroethane
Concen: 40.985 ng/ul
RT: 9.063 min Scan# 999
Delta R.T. -0.012 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

Tgt Ion:117 Resp: 421154
Ion Ratio Lower Upper
117 100
201 79.0 79.2 118.8#
199 50.6 49.8 74.8

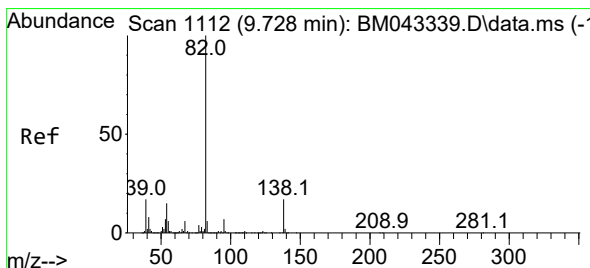
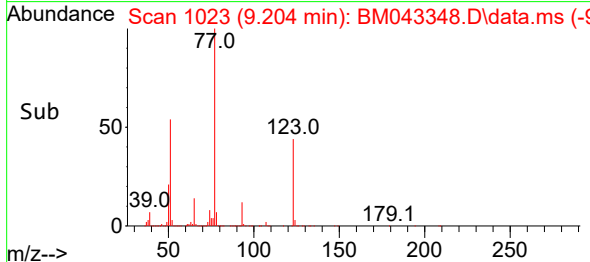
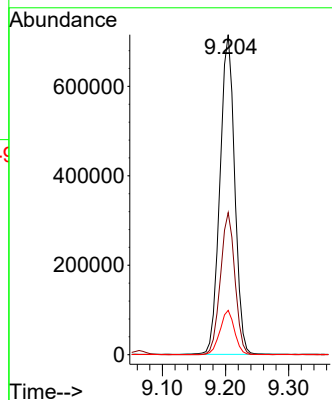
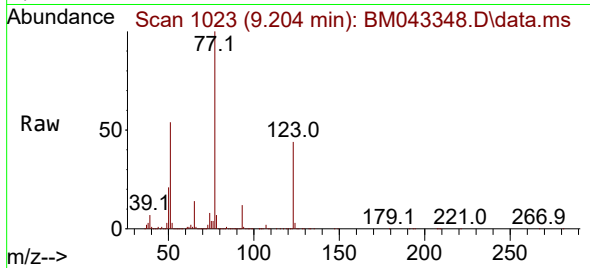




#22
Nitrobenzene
Concen: 43.328 ng/ul
RT: 9.204 min Scan# 1022
Delta R.T. -0.006 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

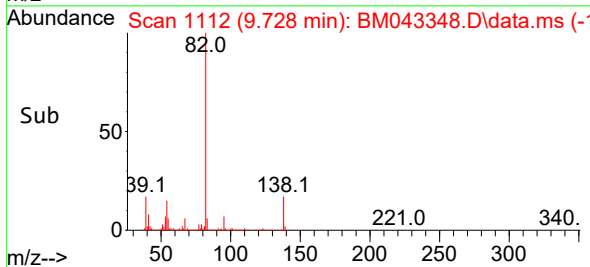
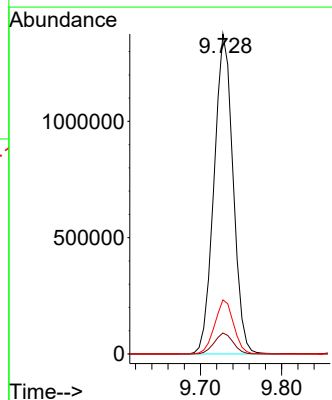
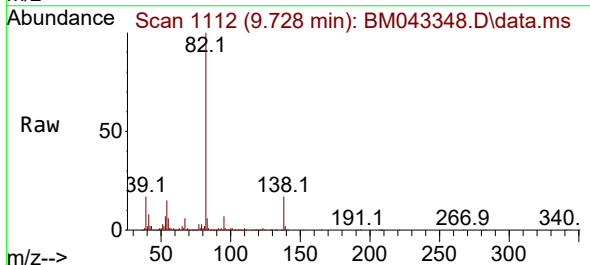
Instrument :
BNA_P
ClientSampleId :
DCLF3MSD

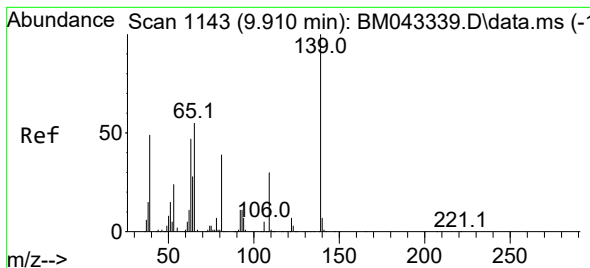
Tgt Ion: 77 Resp: 1163110
Ion Ratio Lower Upper
77 100
123 44.4 35.6 53.4
65 13.9 11.0 16.4



#23
Isophorone
Concen: 39.155 ng/ul
RT: 9.728 min Scan# 1112
Delta R.T. -0.012 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

Tgt Ion: 82 Resp: 2239641
Ion Ratio Lower Upper
82 100
95 6.6 5.2 7.8
138 16.9 14.0 21.0

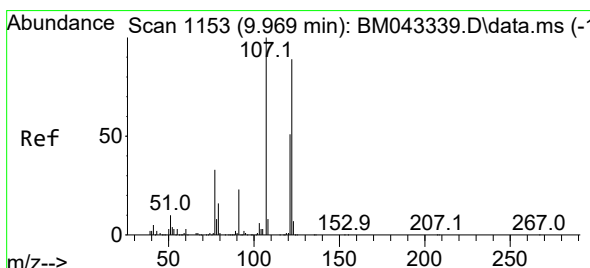
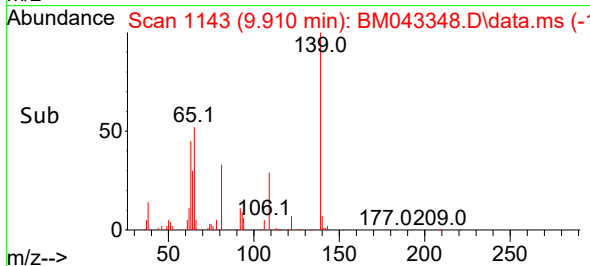
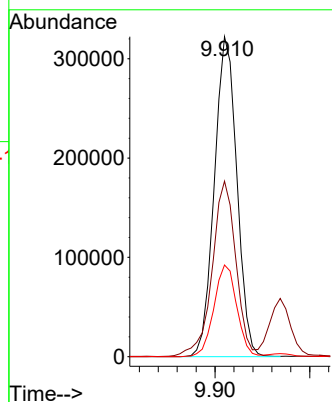
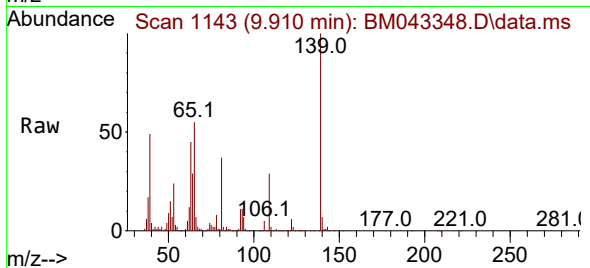




#25
2-Nitrophenol
Concen: 45.080 ng/ul
RT: 9.910 min Scan# 1143
Delta R.T. -0.012 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

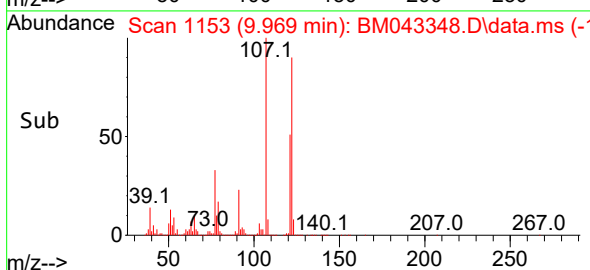
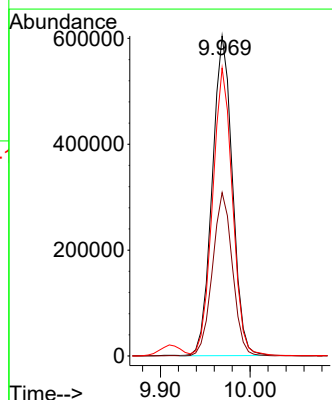
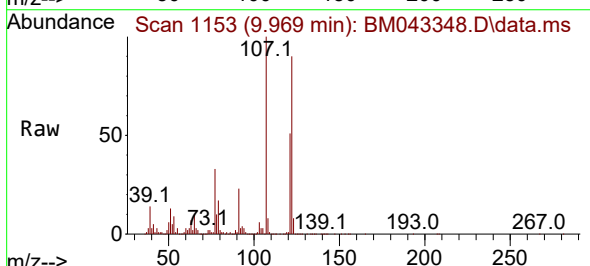
Instrument :
BNA_P
ClientSampleId :
DCLF3MSD

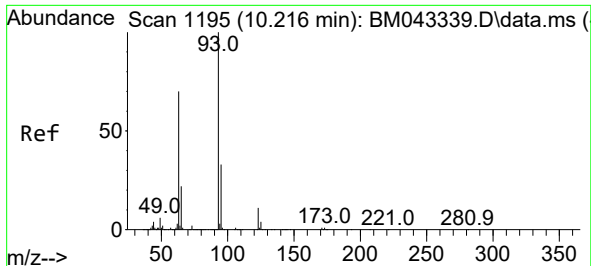
Tgt Ion:139 Resp: 531929
Ion Ratio Lower Upper
139 100
65 54.9 40.6 60.8
109 28.7 22.6 33.8



#26
2,4-Dimethylphenol
Concen: 40.830 ng/ul
RT: 9.969 min Scan# 1153
Delta R.T. -0.012 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

Tgt Ion:107 Resp: 944582
Ion Ratio Lower Upper
107 100
121 51.1 42.2 63.2
122 90.0 72.0 108.0

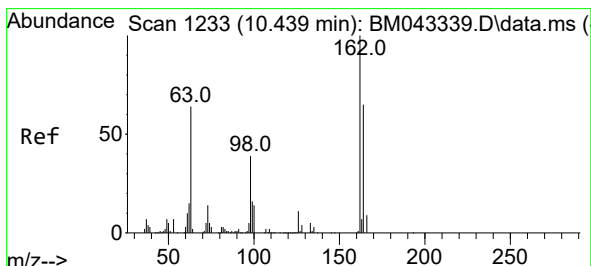
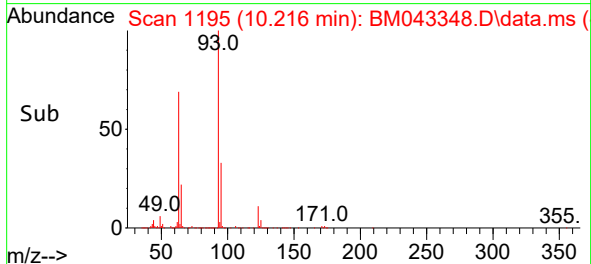
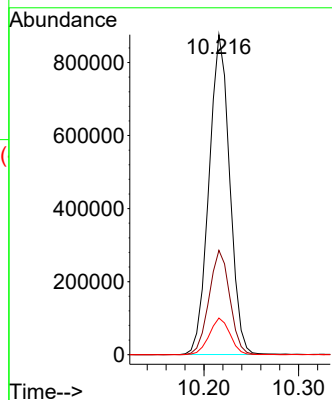
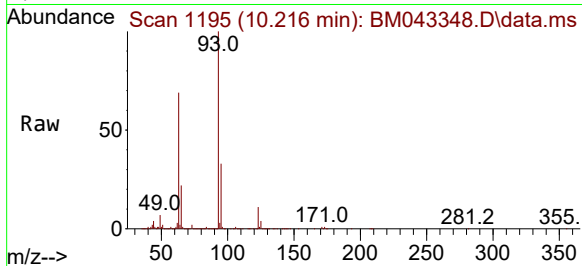




#27
 Bis(2-Chloroethoxy)methane
 Concen: 39.678 ng/ul
 RT: 10.216 min Scan# 1195
 Delta R.T. -0.012 min
 Lab File: BM043348.D
 Acq: 14 Dec 2023 22:32

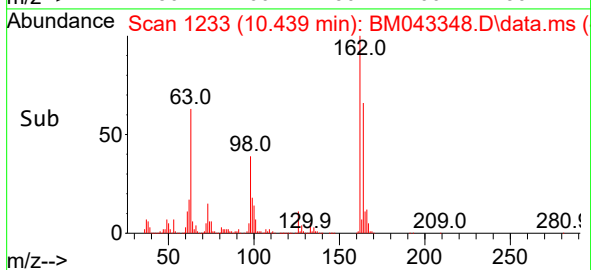
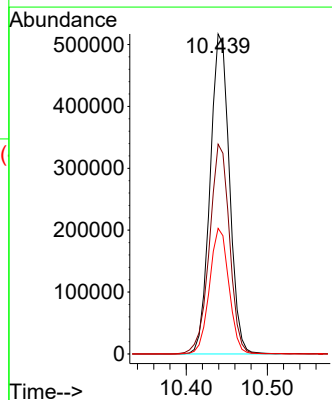
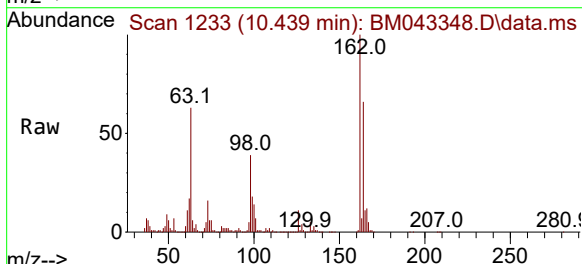
Instrument :
 BNA_P
 ClientSampleId :
 DCLF3MSD

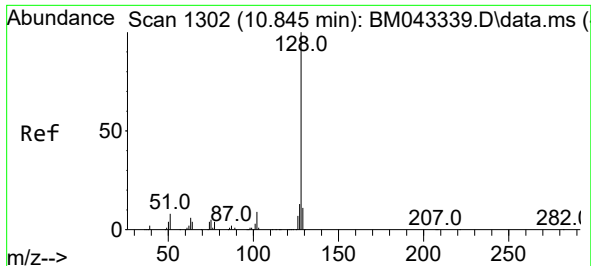
Tgt Ion: 93 Resp: 1334398
 Ion Ratio Lower Upper
 93 100
 95 32.6 26.2 39.2
 123 11.5 9.2 13.8



#29
 2,4-Dichlorophenol
 Concen: 36.718 ng/ul
 RT: 10.439 min Scan# 1233
 Delta R.T. -0.012 min
 Lab File: BM043348.D
 Acq: 14 Dec 2023 22:32

Tgt Ion:162 Resp: 855200
 Ion Ratio Lower Upper
 162 100
 164 65.5 51.4 77.0
 98 39.2 26.9 40.3

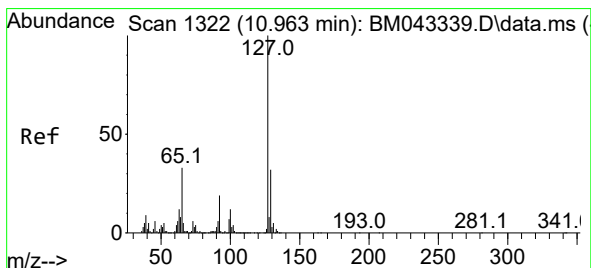
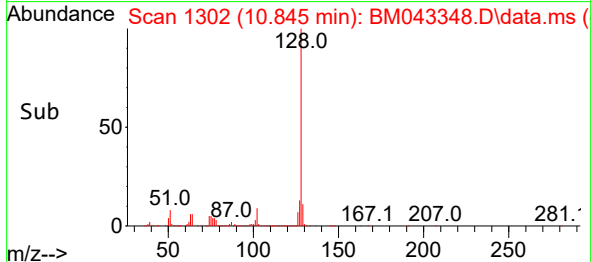
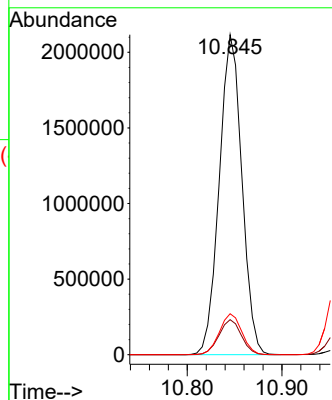
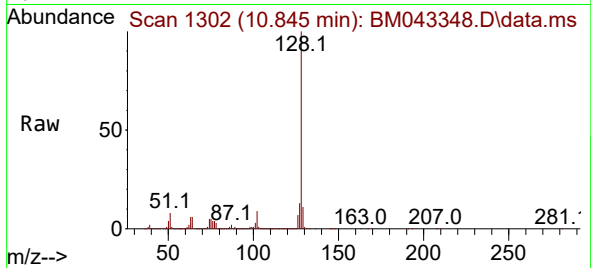




#30
Naphthalene
Concen: 43.658 ng/ul
RT: 10.845 min Scan# 1302
Delta R.T. -0.012 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

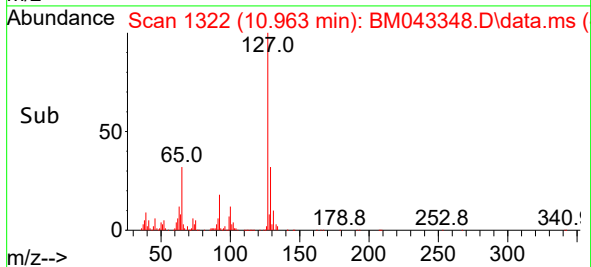
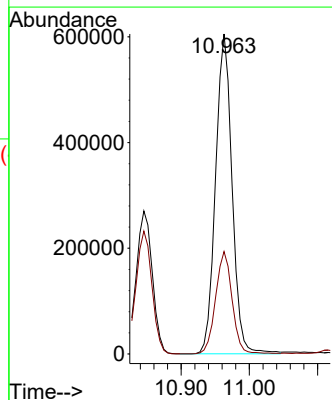
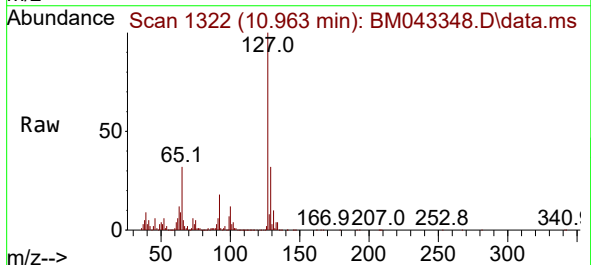
Instrument :
BNA_P
ClientSampleId :
DCLF3MSD

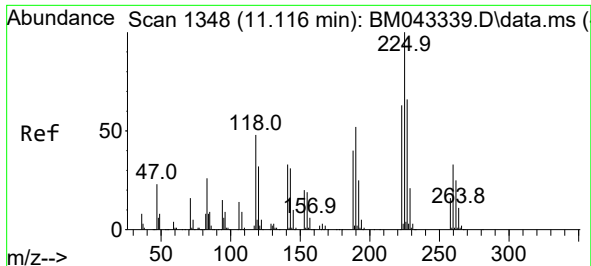
Tgt Ion:128 Resp: 3510141
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 12.8 10.4 15.6



#32
4-Chloroaniline
Concen: 31.339 ng/ul
RT: 10.963 min Scan# 1322
Delta R.T. -0.012 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

Tgt Ion:127 Resp: 1020638
Ion Ratio Lower Upper
127 100
129 32.0 26.0 39.0

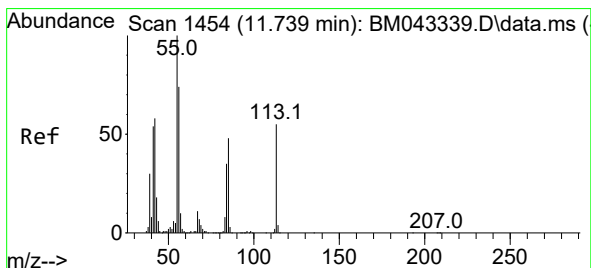
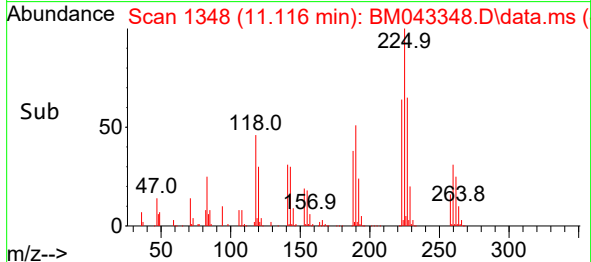
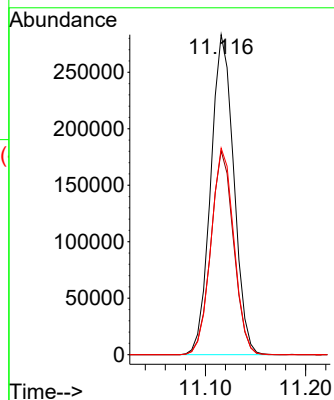
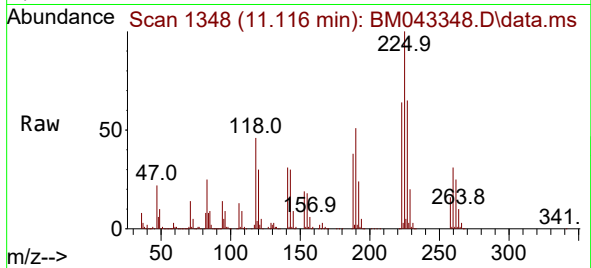




#33
Hexachlorobutadiene
Concen: 31.168 ng/ul
RT: 11.116 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

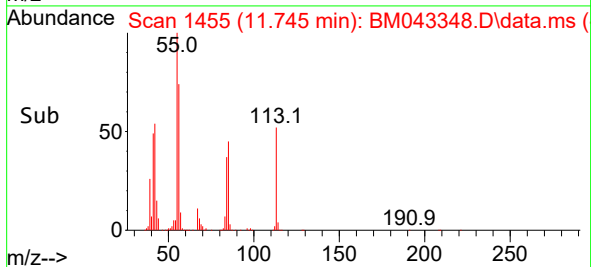
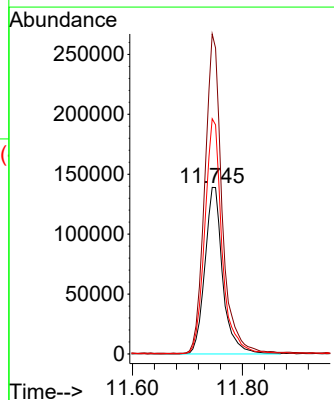
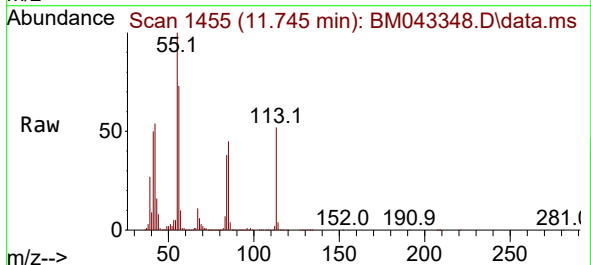
Instrument :
BNA_P
ClientSampleId :
DCLF3MSD

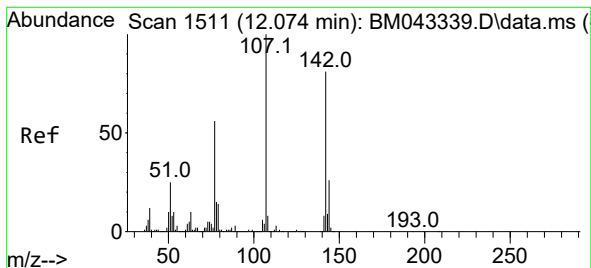
Tgt Ion:225 Resp: 452324
Ion Ratio Lower Upper
225 100
223 63.7 50.2 75.4
227 64.6 52.0 78.0



#34
Caprolactam
Concen: 45.050 ng/ul
RT: 11.745 min Scan# 1455
Delta R.T. -0.006 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

Tgt Ion:113 Resp: 311986
Ion Ratio Lower Upper
113 100
55 192.1 139.5 209.3
56 141.2 103.5 155.3

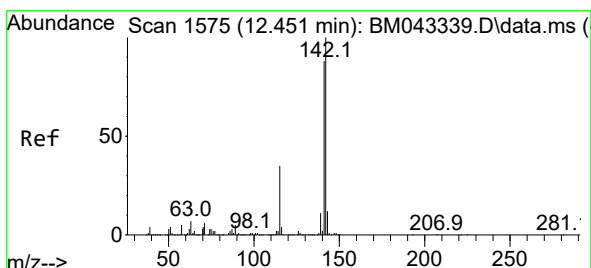
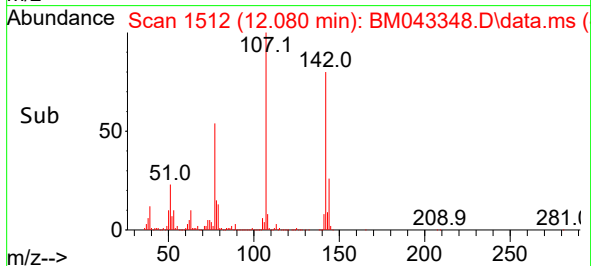
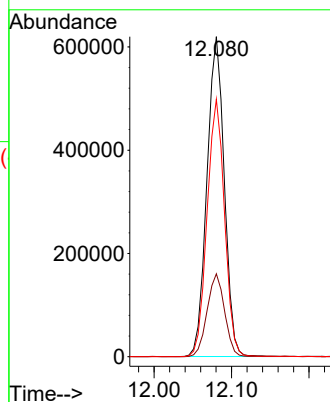
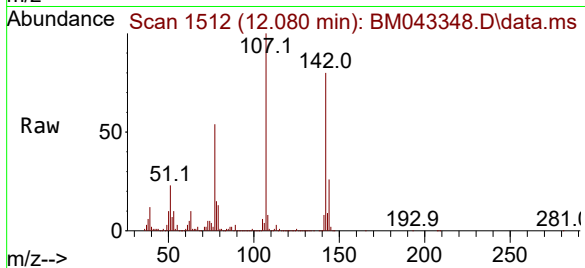




#35
4-Chloro-3-methylphenol
Concen: 39.427 ng/ul
RT: 12.080 min Scan# 1512
Delta R.T. -0.006 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

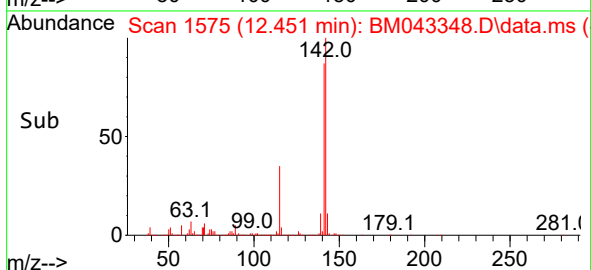
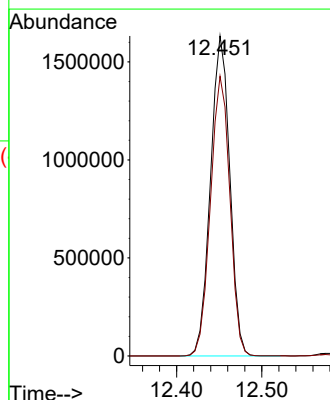
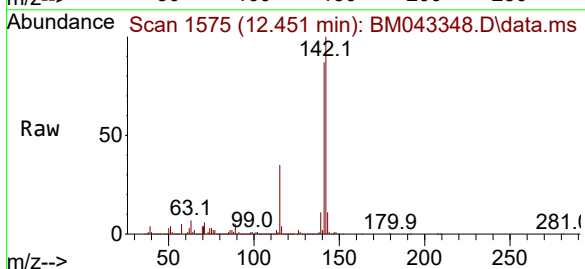
Instrument :
BNA_P
ClientSampleId :
DCLF3MSD

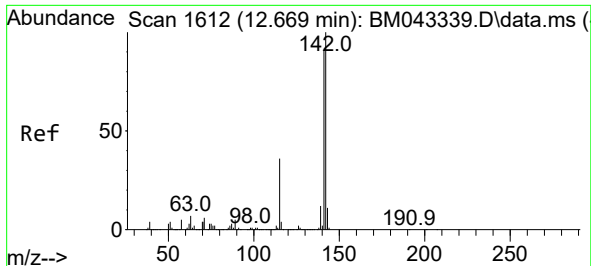
Tgt Ion:107 Resp: 964257
Ion Ratio Lower Upper
107 100
144 25.9 22.0 33.0
142 80.4 67.3 100.9



#36
2-Methylnaphthalene
Concen: 44.346 ng/ul
RT: 12.451 min Scan# 1575
Delta R.T. -0.012 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

Tgt Ion:142 Resp: 2565196
Ion Ratio Lower Upper
142 100
141 87.4 70.0 105.0





#37

1-Methylnaphthalene

Concen: 40.414 ng/ul

RT: 12.669 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM043348.D

Acq: 14 Dec 2023 22:32

Instrument :

BNA_P

ClientSampleId :

DCLF3MSD

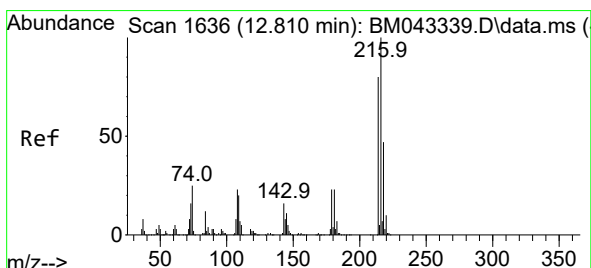
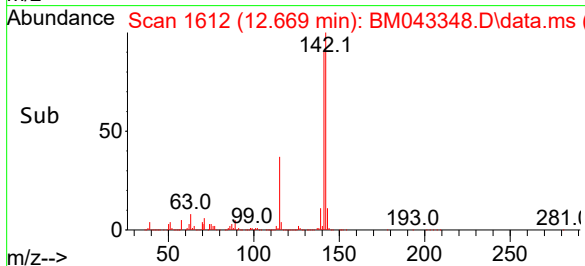
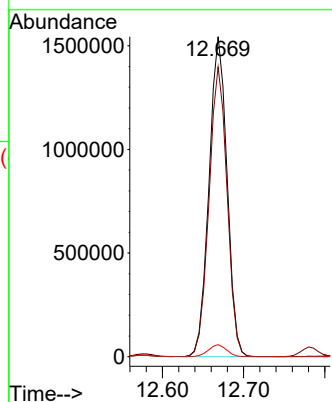
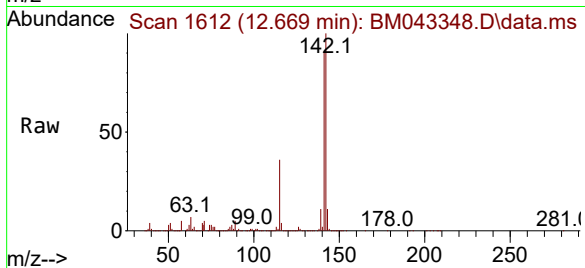
Tgt Ion:142 Resp: 2372879

Ion Ratio Lower Upper

142 100

141 90.6 71.9 107.9

116 3.7 2.8 4.2



#39

1,2,4,5-Tetrachlorobenzene

Concen: 35.931 ng/ul

RT: 12.810 min Scan# 1636

Delta R.T. -0.012 min

Lab File: BM043348.D

Acq: 14 Dec 2023 22:32

Tgt Ion:216 Resp: 863721

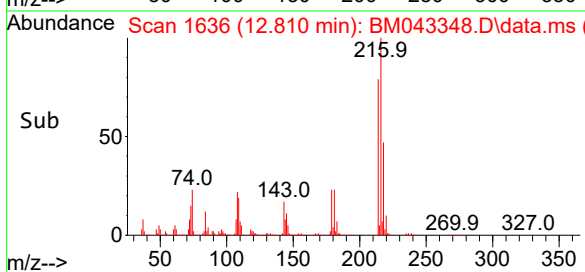
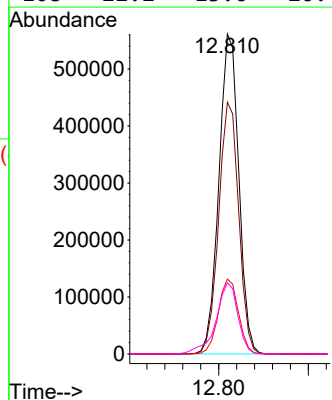
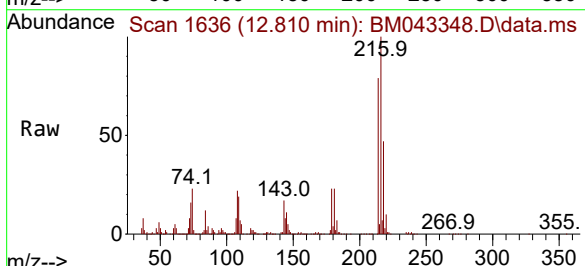
Ion Ratio Lower Upper

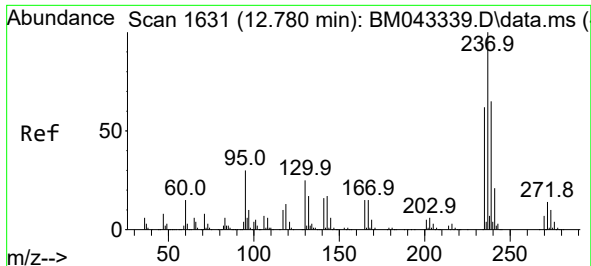
216 100

214 78.7 63.1 94.7

179 23.4 16.4 24.6

108 22.2 13.6 20.4#

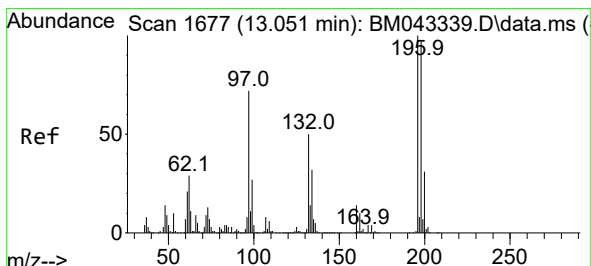
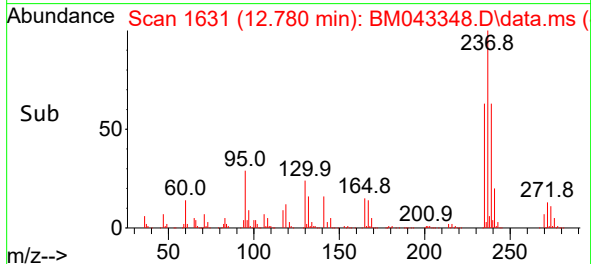
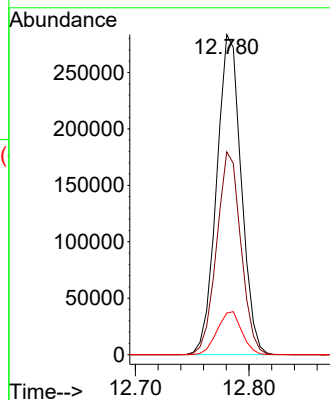
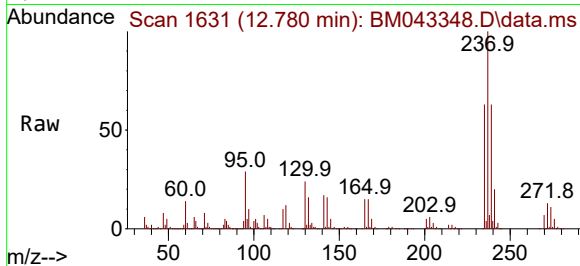




#40
Hexachlorocyclopentadiene
Concen: 31.298 ng/ul
RT: 12.780 min Scan# 1631
Delta R.T. -0.012 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

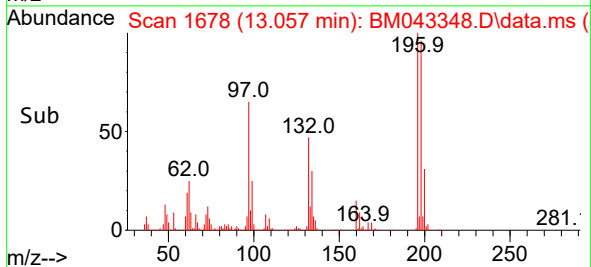
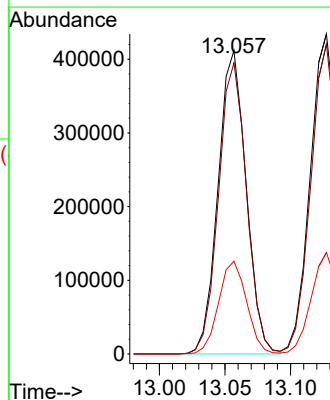
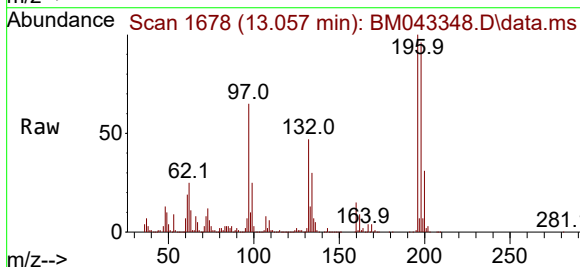
Instrument :
BNA_P
ClientSampleId :
DCLF3MSD

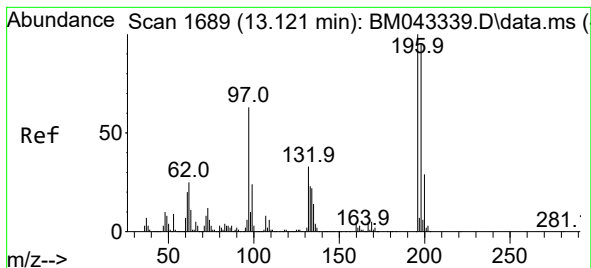
Tgt Ion:237 Resp: 426907
Ion Ratio Lower Upper
237 100
235 63.4 50.5 75.7
272 13.0 10.6 16.0



#41
2,4,6-Trichlorophenol
Concen: 41.045 ng/ul
RT: 13.057 min Scan# 1678
Delta R.T. -0.006 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

Tgt Ion:196 Resp: 613969
Ion Ratio Lower Upper
196 100
198 95.9 77.0 115.4
200 30.6 25.0 37.4





#42

2,4,5-Trichlorophenol

Concen: 40.073 ng/ul

RT: 13.127 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM043348.D

Acq: 14 Dec 2023 22:32

Instrument :

BNA_P

ClientSampleId :

DCLF3MSD

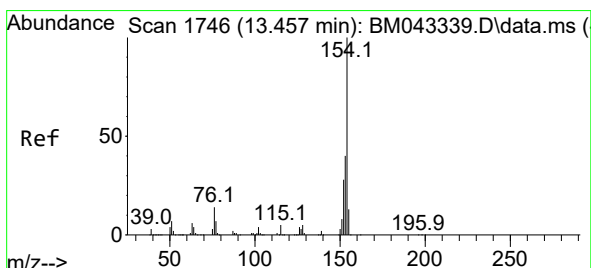
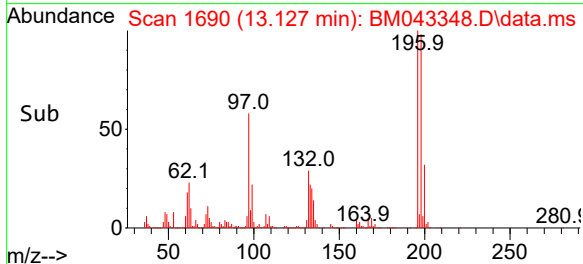
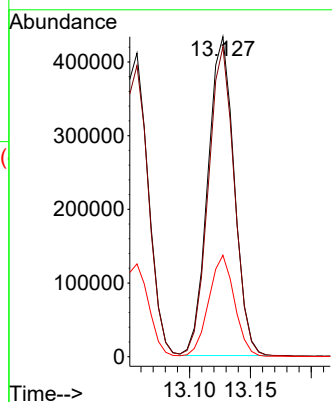
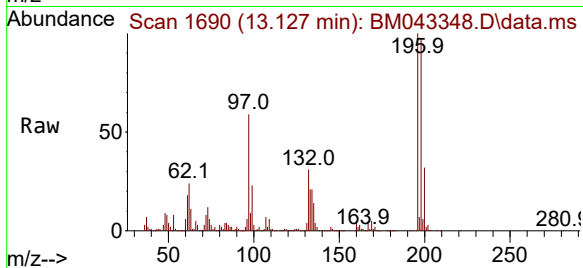
Tgt Ion:196 Resp: 652403

Ion Ratio Lower Upper

196 100

198 96.8 76.1 114.1

200 31.7 24.6 36.8



#43

1,1'-Biphenyl

Concen: 43.903 ng/ul

RT: 13.457 min Scan# 1746

Delta R.T. -0.012 min

Lab File: BM043348.D

Acq: 14 Dec 2023 22:32

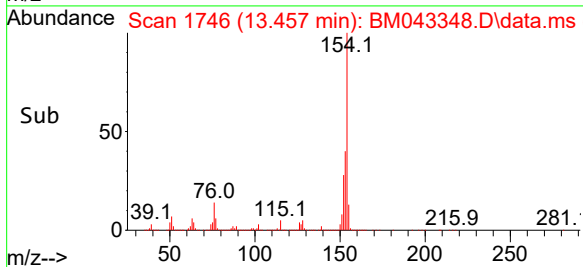
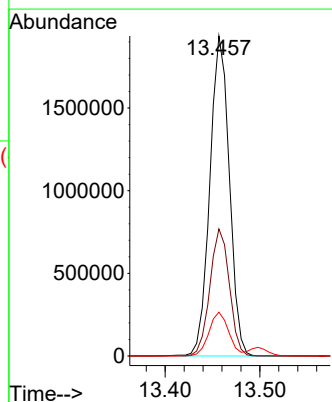
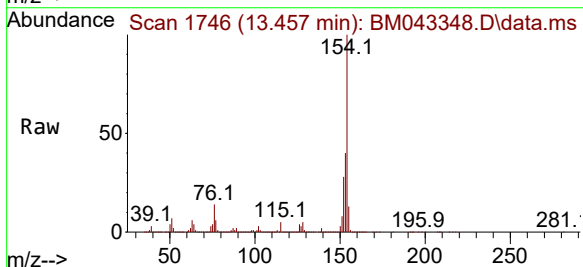
Tgt Ion:154 Resp: 2759489

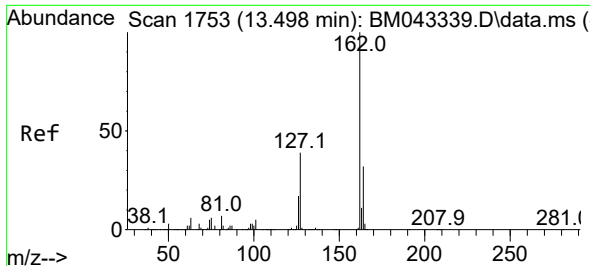
Ion Ratio Lower Upper

154 100

153 39.7 31.8 47.6

76 13.7 9.3 13.9

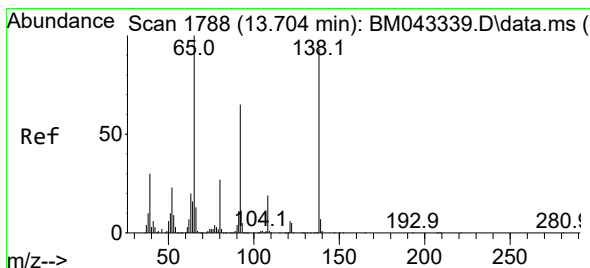
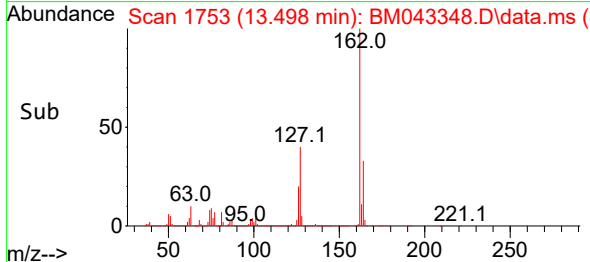
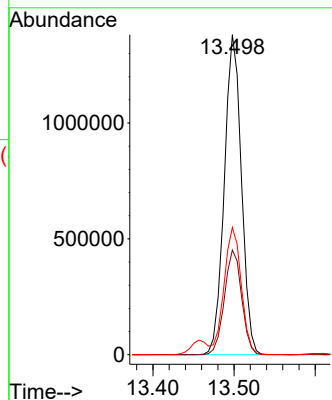
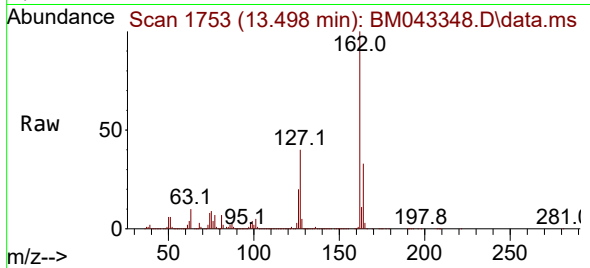




#44
2-Chloronaphthalene
Concen: 41.576 ng/ul
RT: 13.498 min Scan# 1753
Delta R.T. -0.012 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

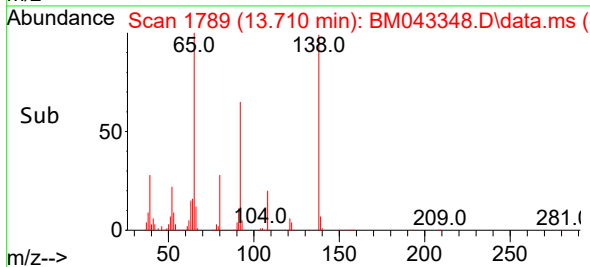
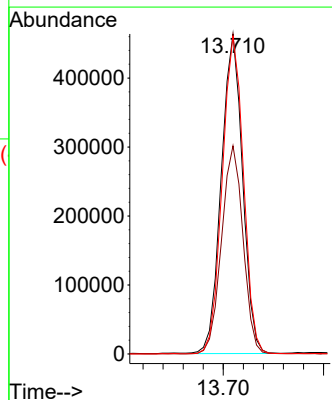
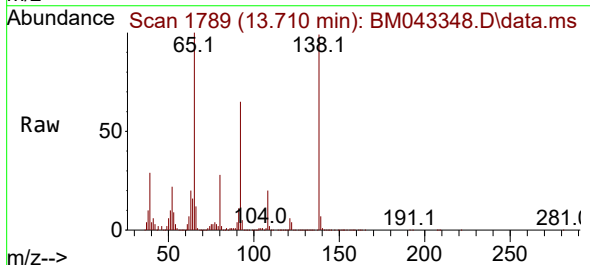
Instrument :
BNA_P
ClientSampleId :
DCLF3MSD

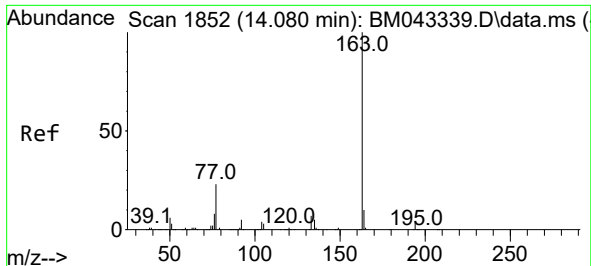
Tgt Ion:162 Resp: 2025653
Ion Ratio Lower Upper
162 100
164 32.7 26.4 39.6
127 39.7 30.0 45.0



#45
2-Nitroaniline
Concen: 52.857 ng/ul
RT: 13.710 min Scan# 1789
Delta R.T. -0.006 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

Tgt Ion: 65 Resp: 680533
Ion Ratio Lower Upper
65 100
92 65.0 53.4 80.0
138 99.4 86.2 129.2





#47

Dimethylphthalate

Concen: 39.444 ng/ul

RT: 14.086 min Scan# 1852

Delta R.T. -0.006 min

Lab File: BM043348.D

Acq: 14 Dec 2023 22:32

Instrument :

BNA_P

ClientSampleId :

DCLF3MSD

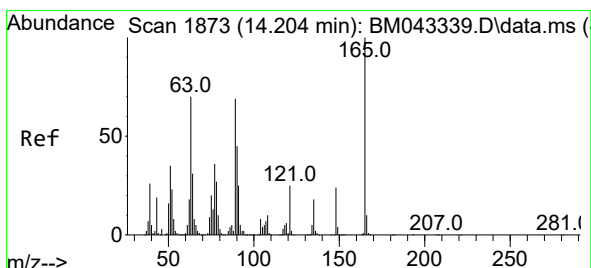
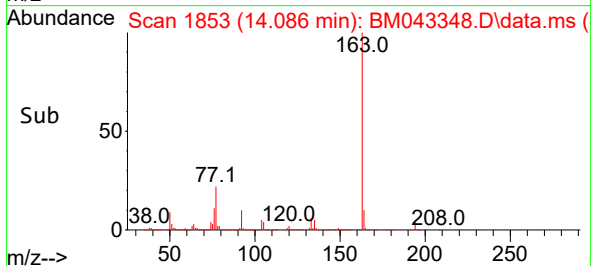
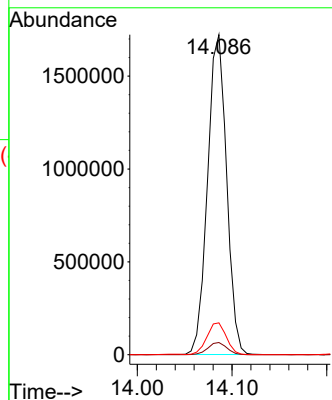
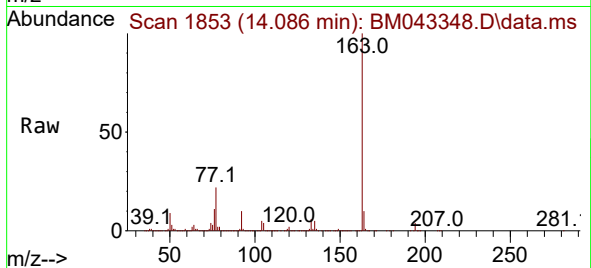
Tgt Ion:163 Resp: 2409567

Ion Ratio Lower Upper

163 100

194 3.8 3.3 4.9

164 10.0 7.9 11.9



#48

2,6-Dinitrotoluene

Concen: 43.707 ng/ul

RT: 14.210 min Scan# 1874

Delta R.T. -0.006 min

Lab File: BM043348.D

Acq: 14 Dec 2023 22:32

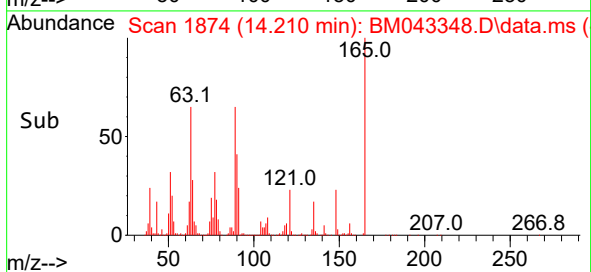
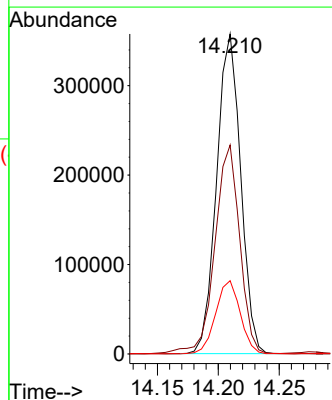
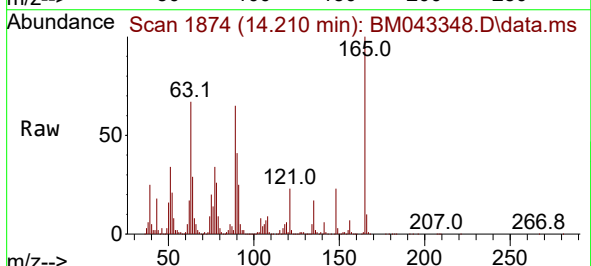
Tgt Ion:165 Resp: 491921

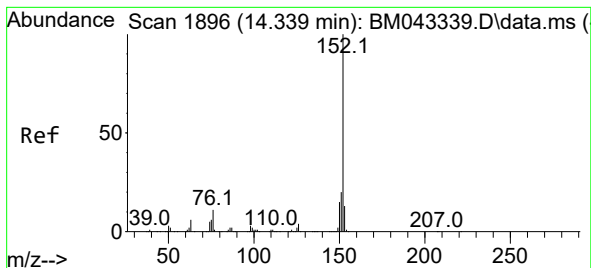
Ion Ratio Lower Upper

165 100

89 65.3 47.5 71.3

121 22.9 17.1 25.7





#50

Acenaphthylene

Concen: 44.248 ng/ul

RT: 14.339 min Scan# 1896

Delta R.T. -0.012 min

Lab File: BM043348.D

Acq: 14 Dec 2023 22:32

Instrument :

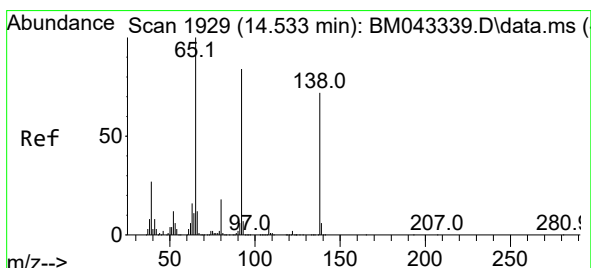
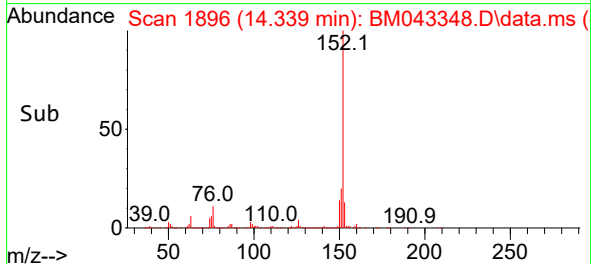
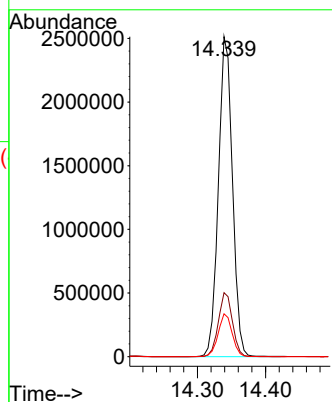
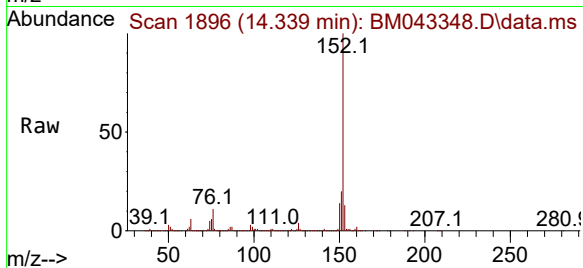
BNA_P

ClientSampleId :

DCLF3MSD

Tgt Ion:152 Resp: 3603516

Ion	Ratio	Lower	Upper
152	100		
151	20.0	16.0	24.0
153	13.4	10.3	15.5



#51

3-Nitroaniline

Concen: 44.587 ng/ul

RT: 14.533 min Scan# 1929

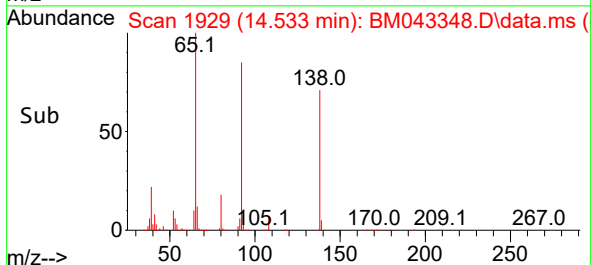
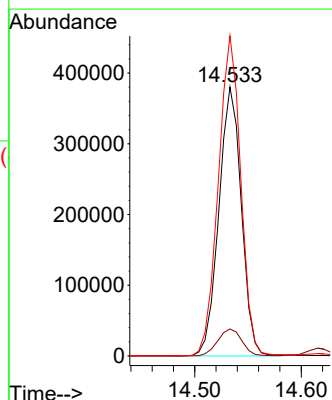
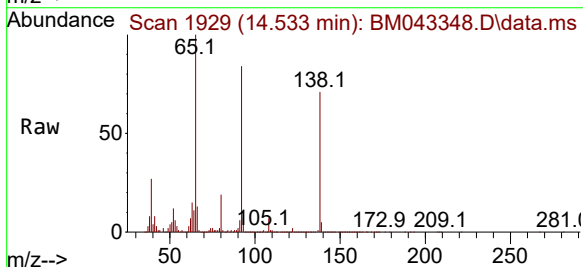
Delta R.T. -0.006 min

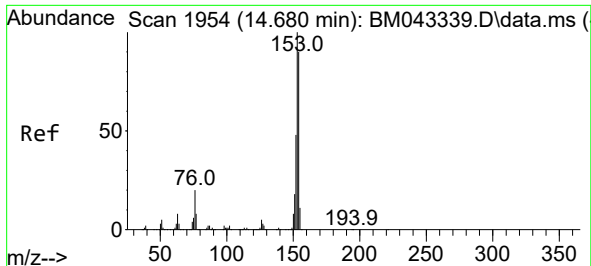
Lab File: BM043348.D

Acq: 14 Dec 2023 22:32

Tgt Ion:138 Resp: 556730

Ion	Ratio	Lower	Upper
138	100		
108	10.1	9.4	14.0
92	118.9	87.9	131.9

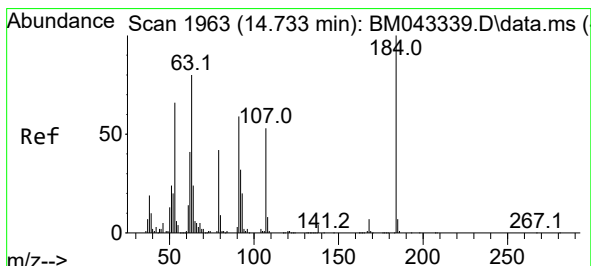
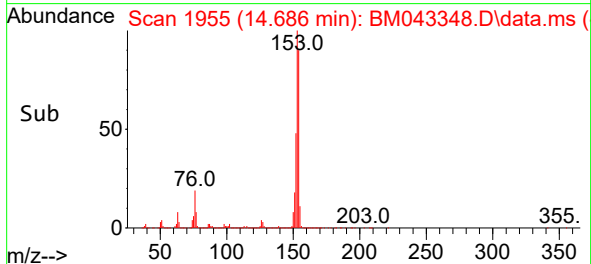
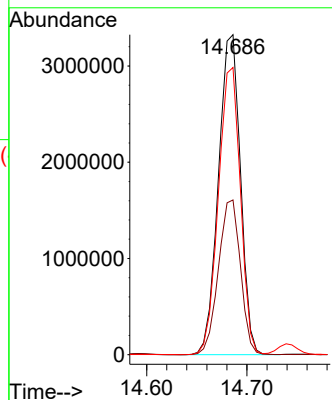
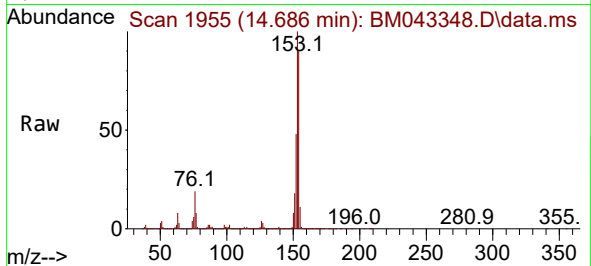




#52
Acenaphthene
Concen: 94.329 ng/ul
RT: 14.686 min Scan# 1955
Delta R.T. -0.000 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

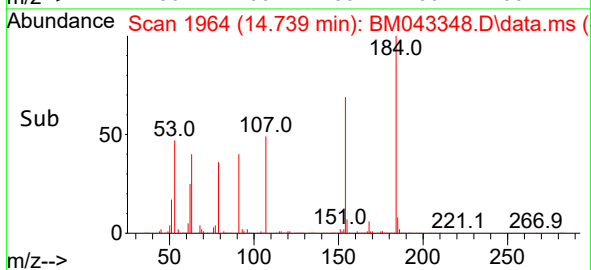
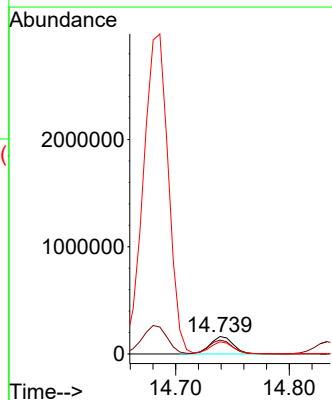
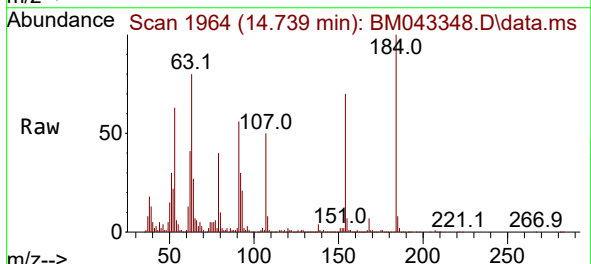
Instrument :
BNA_P
ClientSampleId :
DCLF3MSD

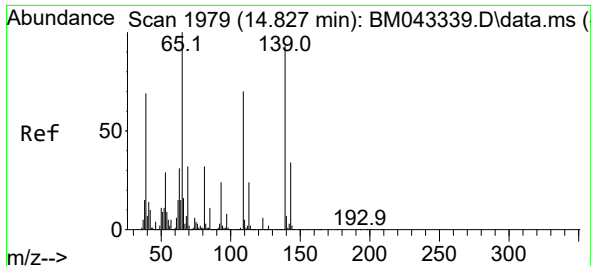
Tgt Ion:153 Resp: 5067280
Ion Ratio Lower Upper
153 100
152 48.4 38.6 58.0
154 89.7 71.6 107.4



#53
2,4-Dinitrophenol
Concen: 44.306 ng/ul
RT: 14.739 min Scan# 1964
Delta R.T. -0.000 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

Tgt Ion:184 Resp: 228920
Ion Ratio Lower Upper
184 100
63 80.3 52.2 78.4#
154 69.5 47.8 71.8

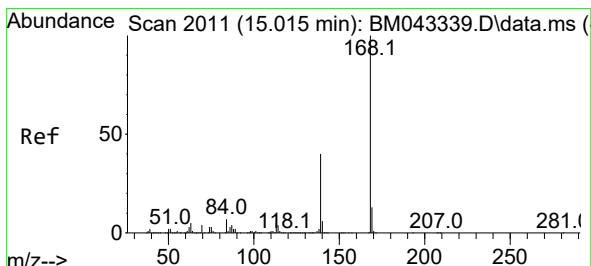
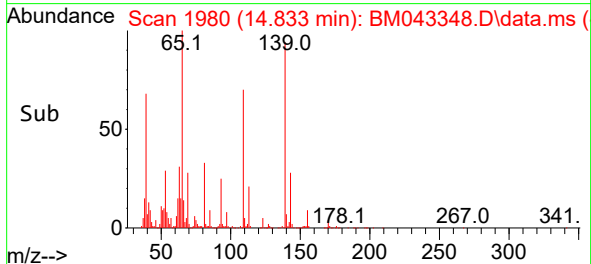
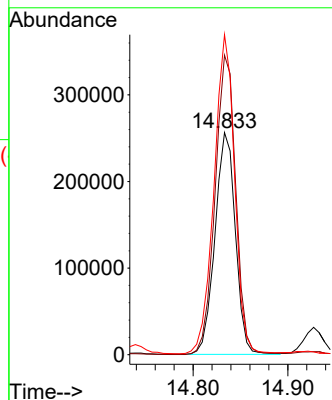
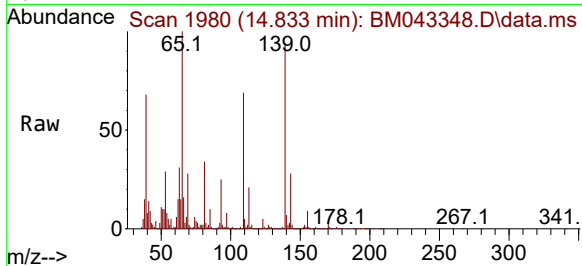




#55
4-Nitrophenol
Concen: 47.637 ng/ul
RT: 14.833 min Scan# 1979
Delta R.T. -0.006 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

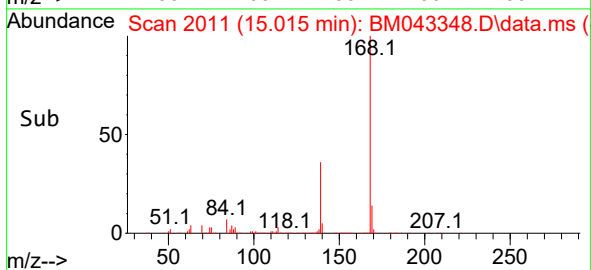
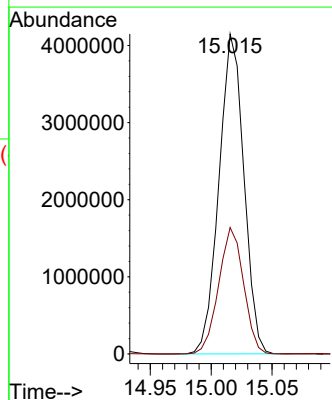
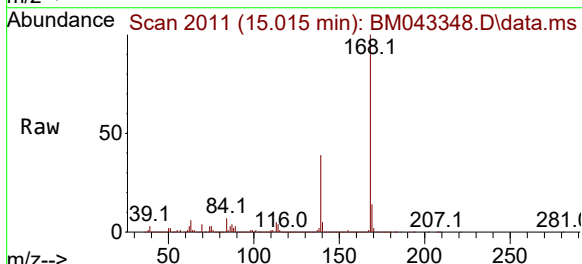
Instrument :
BNA_P
ClientSampleId :
DCLF3MSD

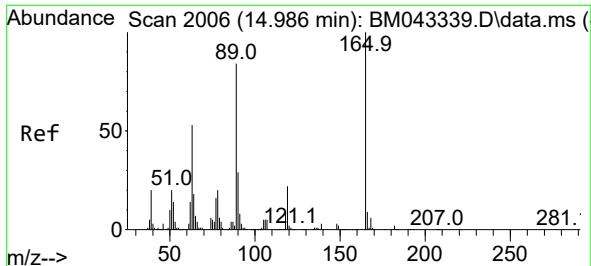
Tgt Ion:109 Resp: 384428
Ion Ratio Lower Upper
109 100
139 134.9 114.7 172.1
65 144.1 109.5 164.3



#56
Dibenzofuran
Concen: 80.446 ng/ul
RT: 15.015 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

Tgt Ion:168 Resp: 5903108
Ion Ratio Lower Upper
168 100
139 39.5 28.6 43.0





#57

2,4-Dinitrotoluene

Concen: 43.896 ng/ul

RT: 14.992 min Scan# 2007

Delta R.T. -0.000 min

Lab File: BM043348.D

Acq: 14 Dec 2023 22:32

Instrument :

BNA_P

ClientSampleId :

DCLF3MSD

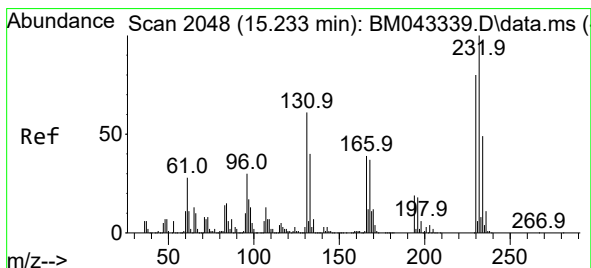
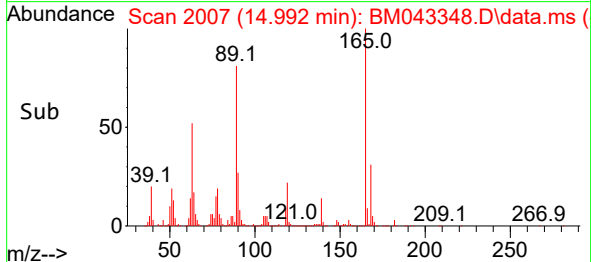
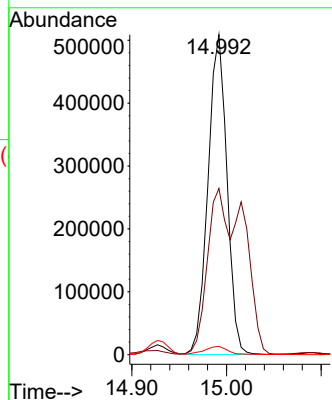
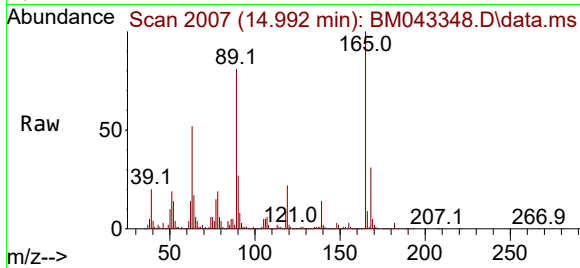
Tgt Ion:165 Resp: 705410

Ion Ratio Lower Upper

165 100

63 52.0 34.6 52.0#

182 2.6 2.1 3.1



#58

2,3,4,6-Tetrachlorophenol

Concen: 35.288 ng/ul

RT: 15.239 min Scan# 2049

Delta R.T. -0.006 min

Lab File: BM043348.D

Acq: 14 Dec 2023 22:32

Tgt Ion:232 Resp: 477522

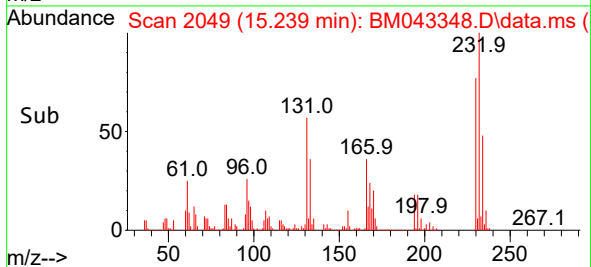
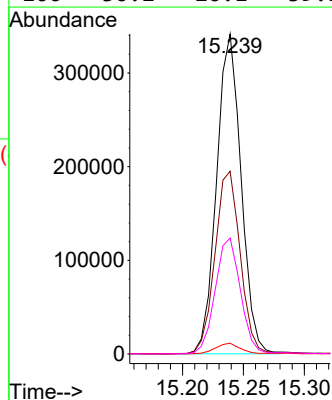
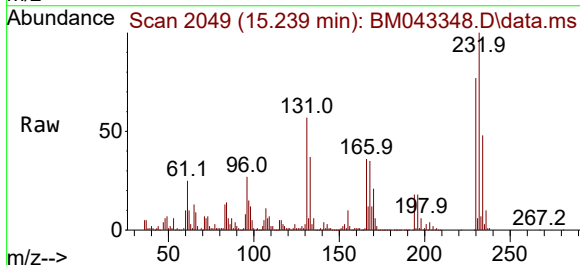
Ion Ratio Lower Upper

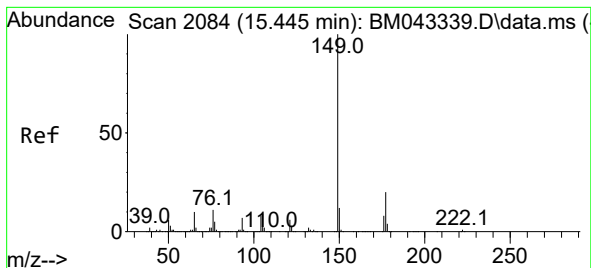
232 100

131 57.1 37.0 55.4#

130 3.4 1.9 2.9#

166 36.2 26.1 39.1

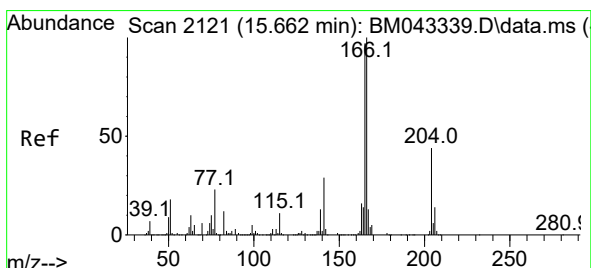
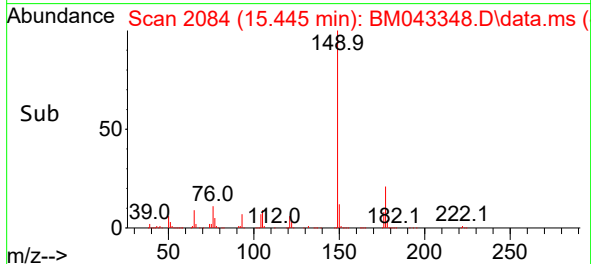
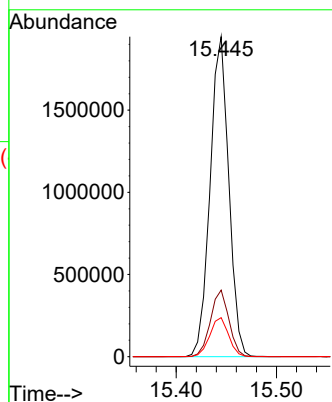
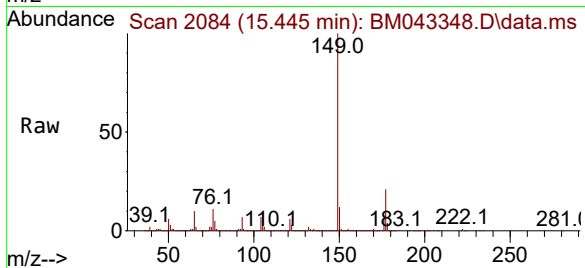




#59
Diethylphthalate
Concen: 41.041 ng/ul
RT: 15.445 min Scan# 2084
Delta R.T. -0.006 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

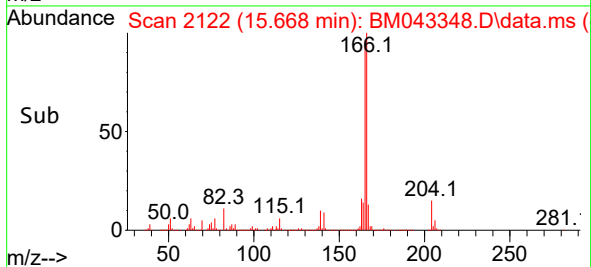
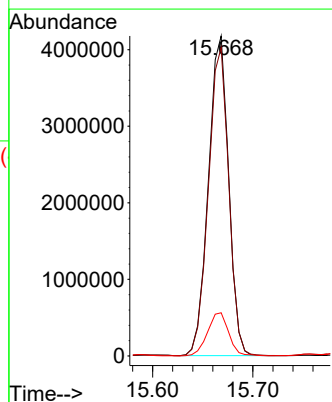
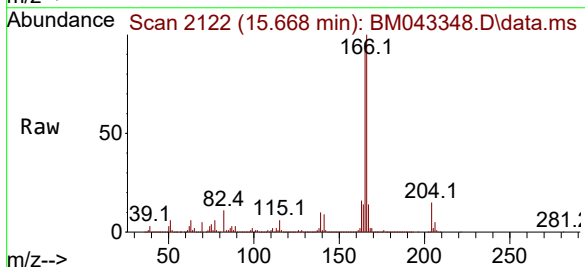
Instrument :
BNA_P
ClientSampleId :
DCLF3MSD

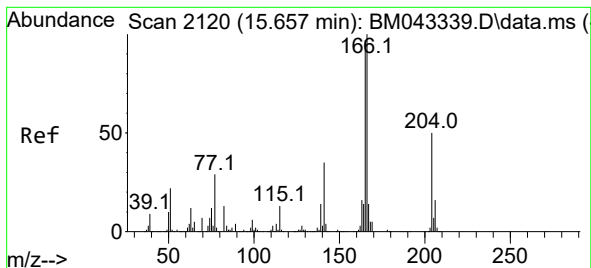
Tgt Ion:149 Resp: 2521793
Ion Ratio Lower Upper
149 100
177 20.8 18.2 27.2
150 12.2 10.0 15.0



#61
Fluorene
Concen: 92.392 ng/ul
RT: 15.668 min Scan# 2122
Delta R.T. -0.000 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

Tgt Ion:166 Resp: 5868799
Ion Ratio Lower Upper
166 100
165 96.4 77.5 116.3
167 13.5 10.7 16.1

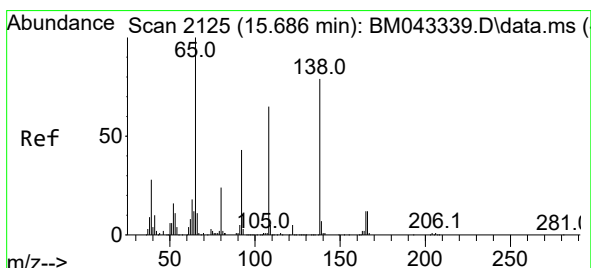
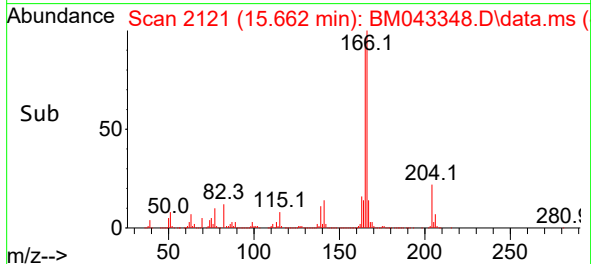
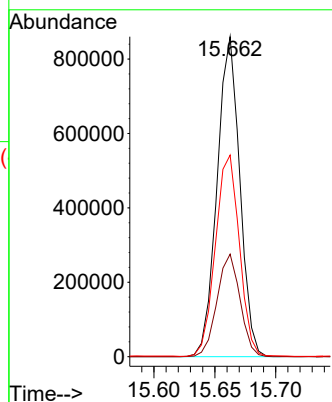
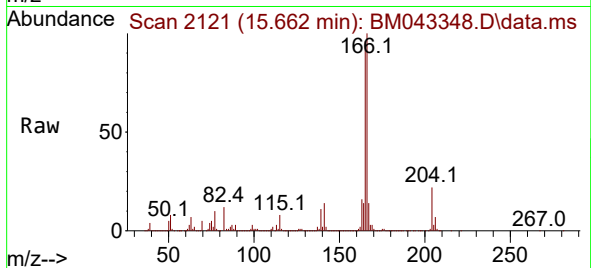




#62
4-Chlorophenyl-phenylether
Concen: 35.635 ng/ul
RT: 15.662 min Scan# 2121
Delta R.T. -0.006 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

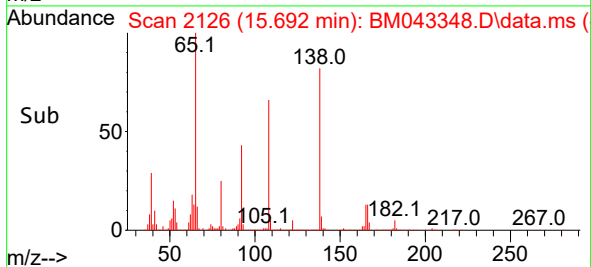
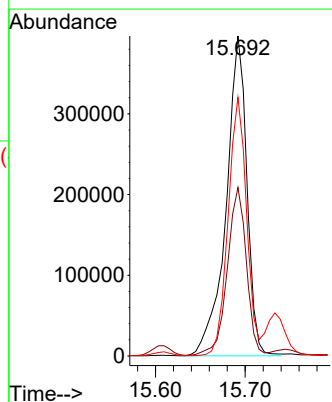
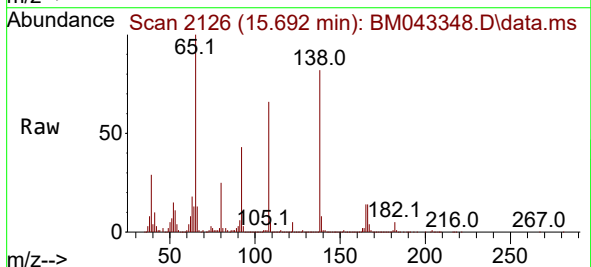
Instrument :
BNA_P
ClientSampleId :
DCLF3MSD

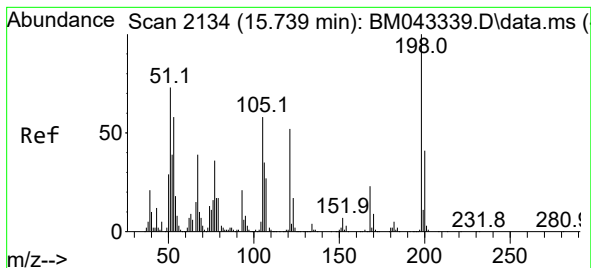
Tgt Ion:204 Resp: 1118307
Ion Ratio Lower Upper
204 100
206 32.0 26.2 39.2
141 63.0 44.2 66.4



#63
4-Nitroaniline
Concen: 50.919 ng/ul
RT: 15.692 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

Tgt Ion:138 Resp: 638813
Ion Ratio Lower Upper
138 100
92 52.6 40.1 60.1
108 80.8 63.0 94.6

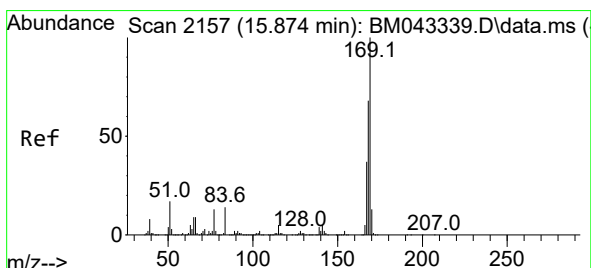
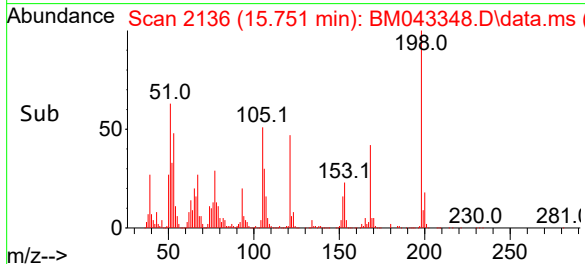
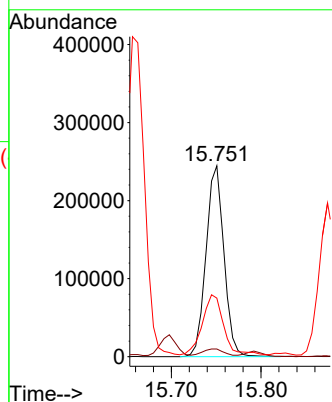
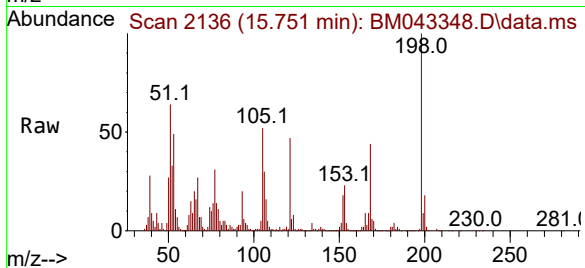




#66
4,6-Dinitro-2-methylphenol
Concen: 41.637 ng/ul
RT: 15.751 min Scan# 2136
Delta R.T. 0.006 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

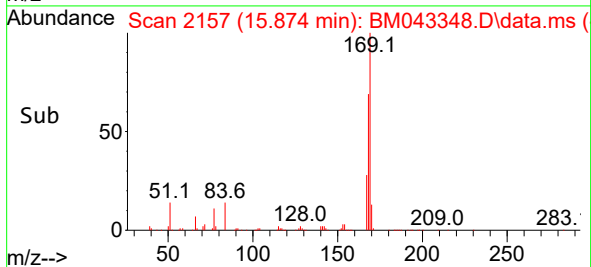
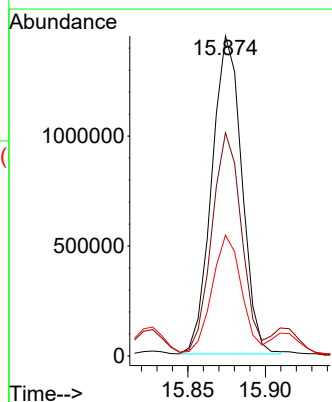
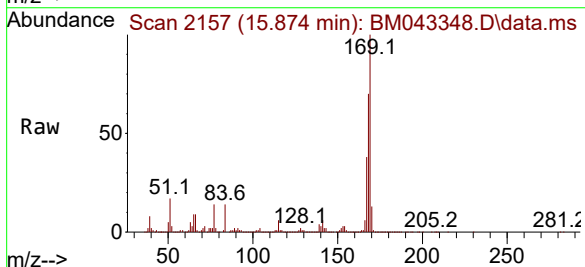
Instrument :
BNA_P
ClientSampleId :
DCLF3MSD

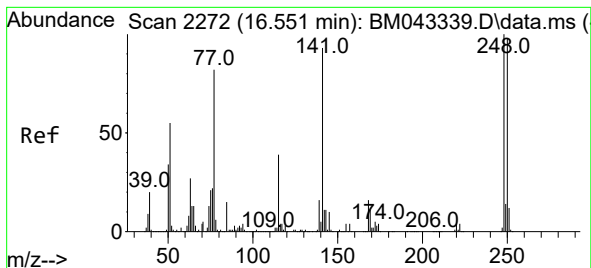
Tgt Ion:198 Resp: 339597
Ion Ratio Lower Upper
198 100
182 4.0 3.2 4.8
77 30.7 20.1 30.1#



#67
N-Nitrosodiphenylamine
Concen: 42.833 ng/ul
RT: 15.874 min Scan# 2157
Delta R.T. -0.006 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

Tgt Ion:169 Resp: 1946666
Ion Ratio Lower Upper
169 100
168 69.8 53.4 80.2
167 37.8 29.4 44.0

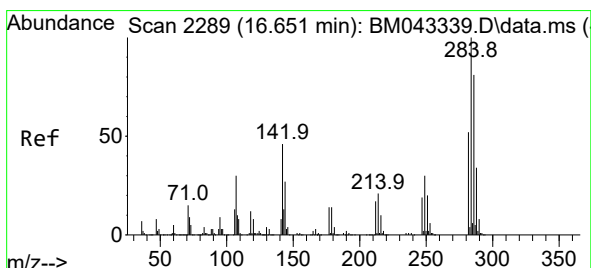
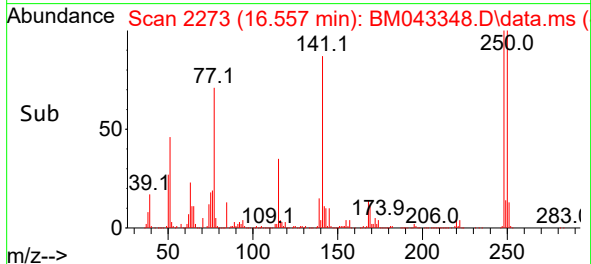
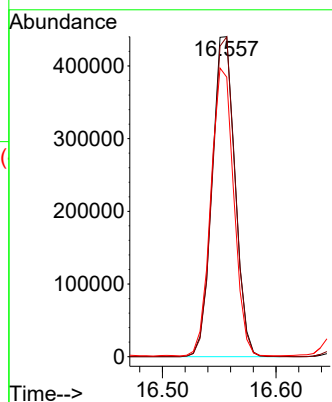
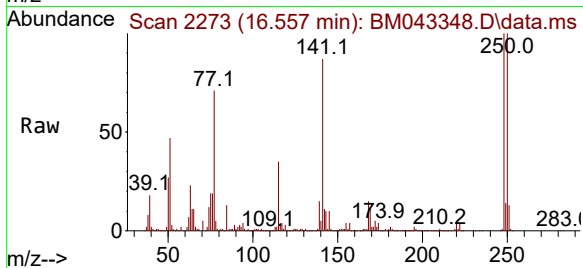




#68
4-Bromophenyl-phenylether
Concen: 37.792 ng/ul
RT: 16.557 min Scan# 211
Delta R.T. -0.006 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

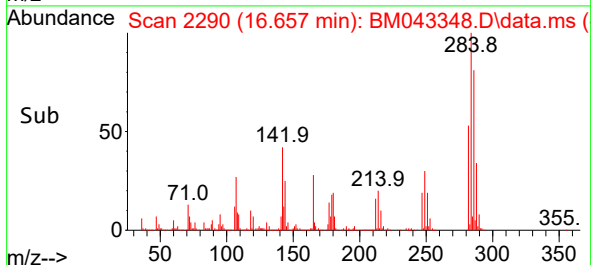
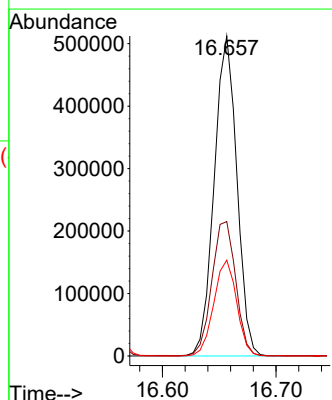
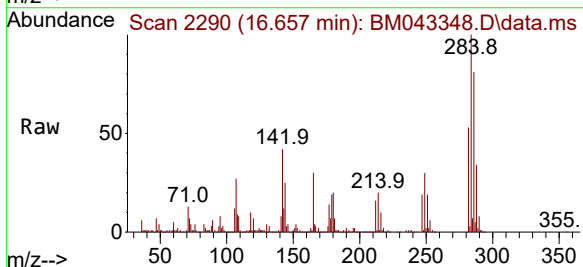
Instrument :
BNA_P
ClientSampleId :
DCLF3MSD

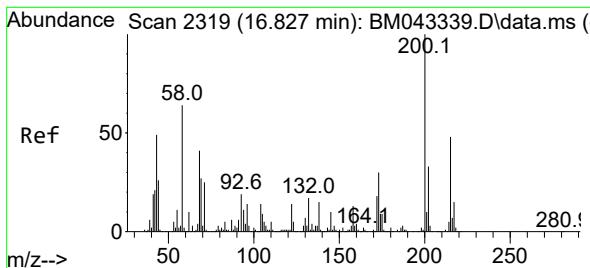
Tgt Ion:248 Resp: 619365
Ion Ratio Lower Upper
248 100
250 100.0 78.9 118.3
141 87.4 60.2 90.2



#69
Hexachlorobenzene
Concen: 36.497 ng/ul
RT: 16.657 min Scan# 2290
Delta R.T. -0.000 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

Tgt Ion:284 Resp: 709720
Ion Ratio Lower Upper
284 100
142 42.0 26.7 40.1#
249 30.0 24.0 36.0





#70

Atrazine

Concen: 31.905 ng/ul

RT: 16.833 min Scan# 21

Delta R.T. -0.000 min

Lab File: BM043348.D

Acq: 14 Dec 2023 22:32

Instrument :

BNA_P

ClientSampleId :

DCLF3MSD

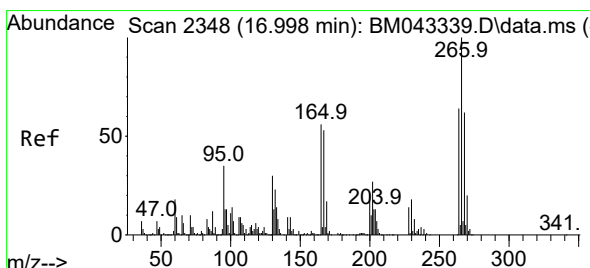
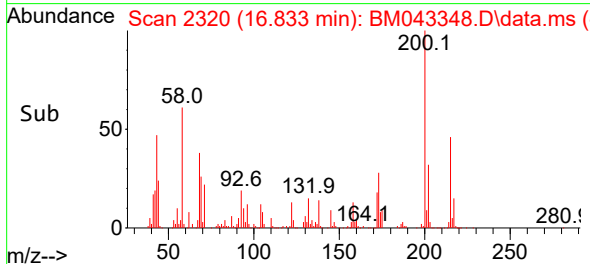
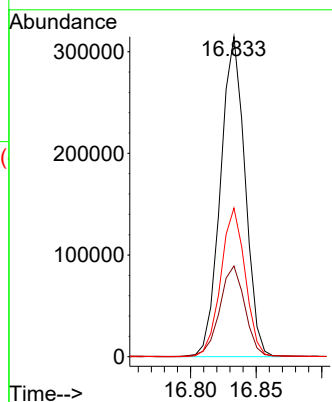
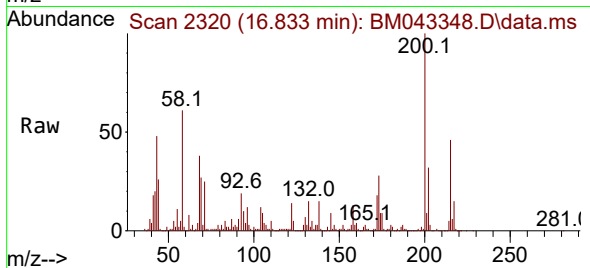
Tgt Ion:200 Resp: 408905

Ion Ratio Lower Upper

200 100

173 28.3 20.6 30.8

215 46.5 39.4 59.2



#71

Pentachlorophenol

Concen: 36.698 ng/ul

RT: 17.009 min Scan# 2350

Delta R.T. -0.000 min

Lab File: BM043348.D

Acq: 14 Dec 2023 22:32

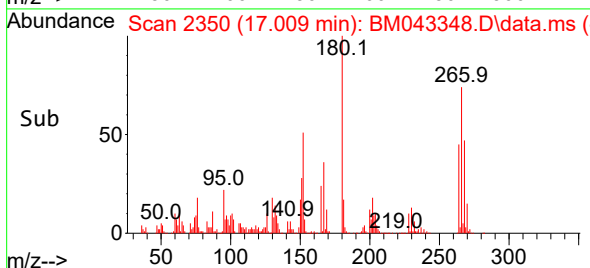
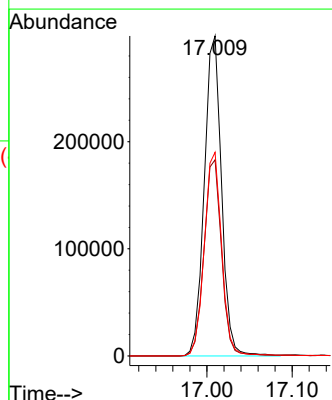
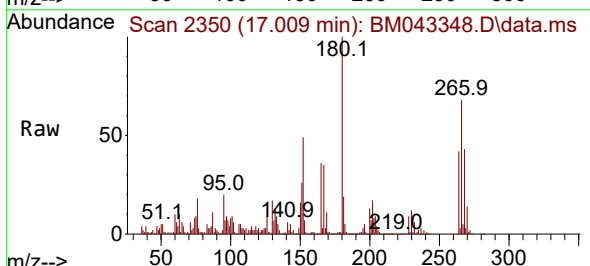
Tgt Ion:266 Resp: 420200

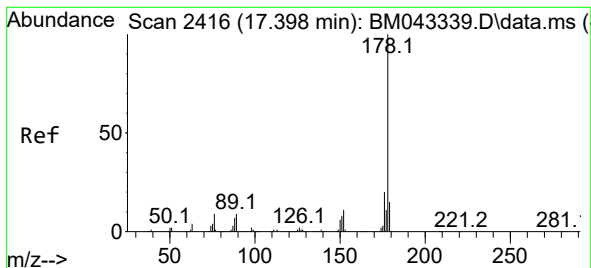
Ion Ratio Lower Upper

266 100

264 61.3 50.5 75.7

268 63.6 50.4 75.6





#72

Phenanthrene

Concen: 1.585 ng/ul

RT: 17.556 min Scan# 2416

Delta R.T. 0.147 min

Lab File: BM043348.D

Acq: 14 Dec 2023 22:32

Instrument :

BNA_P

ClientSampleId :

DCLF3MSD

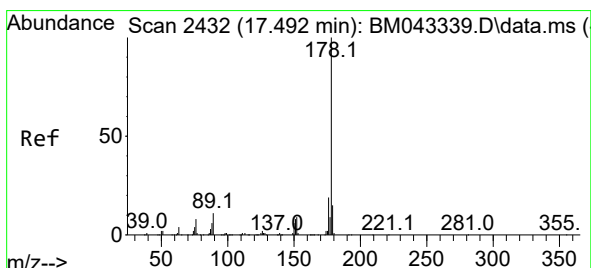
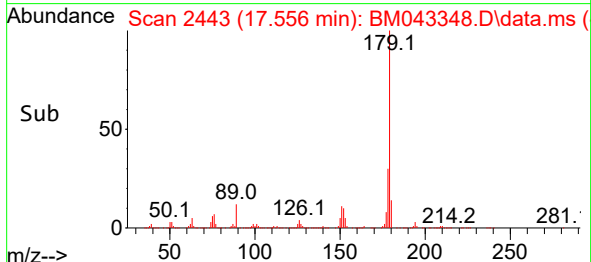
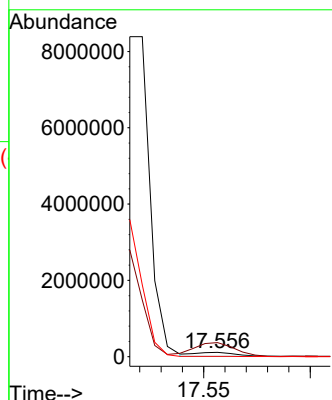
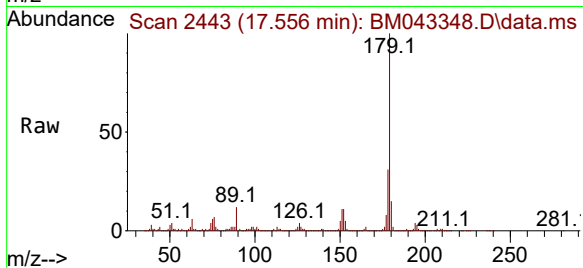
Tgt Ion:178 Resp: 133965

Ion Ratio Lower Upper

178 100

179 326.3 12.2 18.2#

176 7.9 15.7 23.5#



#74

Anthracene

Concen: 1.574 ng/ul

RT: 17.556 min Scan# 2443

Delta R.T. 0.059 min

Lab File: BM043348.D

Acq: 14 Dec 2023 22:32

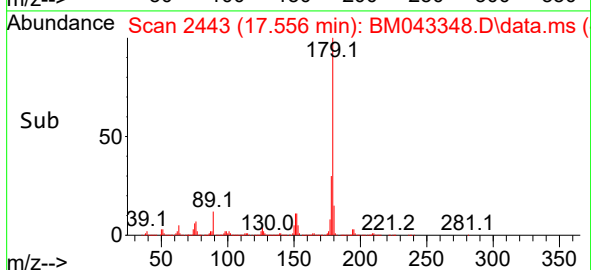
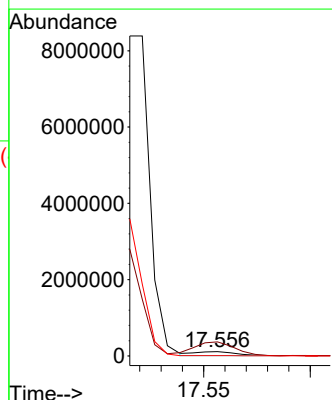
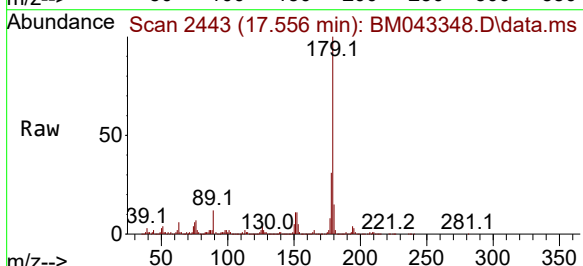
Tgt Ion:178 Resp: 133965

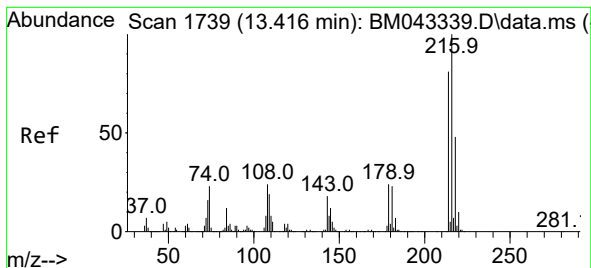
Ion Ratio Lower Upper

178 100

179 326.3 12.1 18.1#

176 7.9 15.1 22.7#

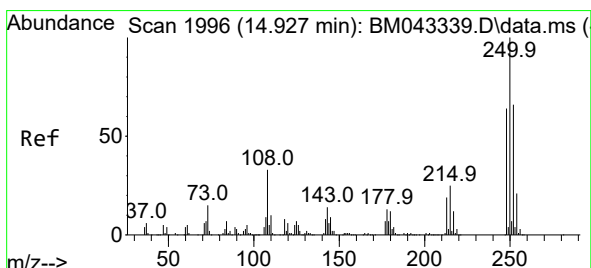
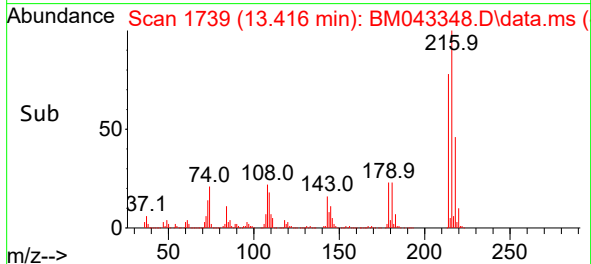
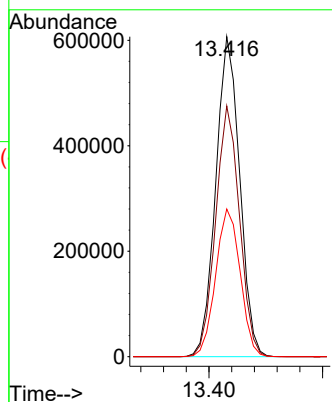
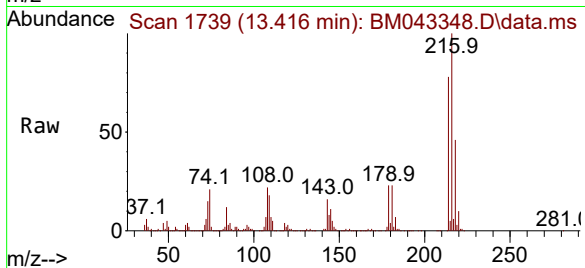




#75
1,2,3,4-Tetrachlorobenzene
Concen: 41.428 ng/uL
RT: 13.416 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

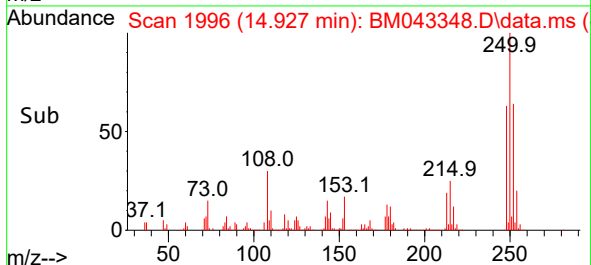
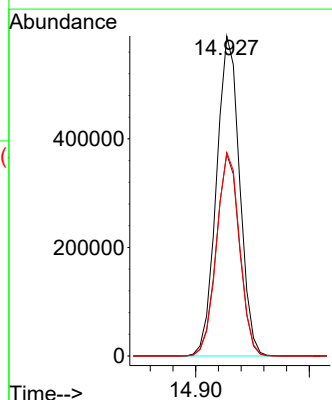
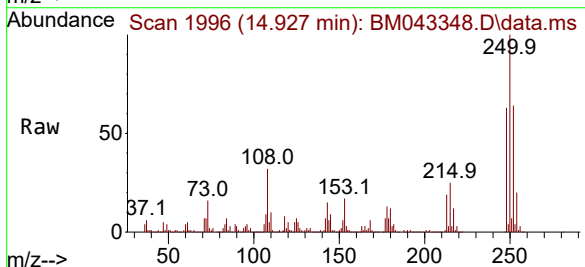
Instrument :
BNA_P
ClientSampleId :
DCLF3MSD

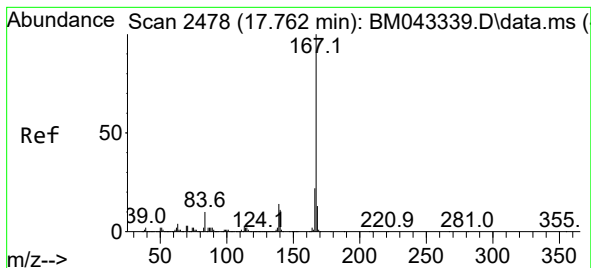
Tgt Ion:216 Resp: 888254
Ion Ratio Lower Upper
216 100
214 78.3 62.2 93.2
218 46.1 37.6 56.4



#76
Pentachlorobenzene
Concen: 38.225 ng/uL
RT: 14.927 min Scan# 1996
Delta R.T. -0.006 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

Tgt Ion:250 Resp: 832879
Ion Ratio Lower Upper
250 100
248 63.1 51.8 77.8
252 63.6 51.9 77.9





#77

Carbazole

Concen: 74.965 ng/ul

RT: 17.768 min Scan# 2478

Delta R.T. -0.006 min

Lab File: BM043348.D

Acq: 14 Dec 2023 22:32

Instrument :

BNA_P

ClientSampleId :

DCLF3MSD

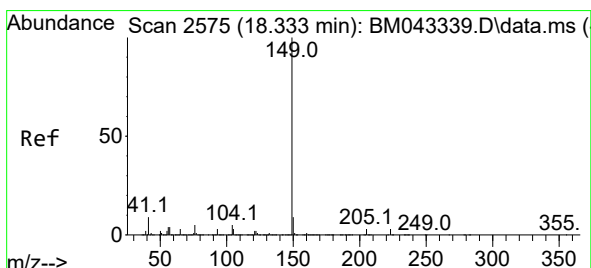
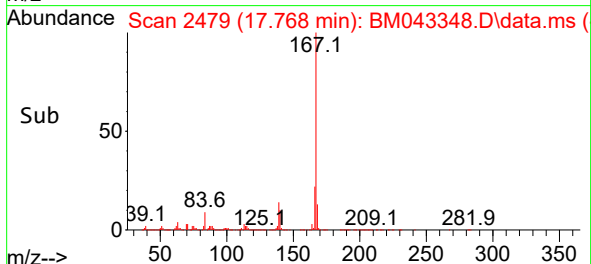
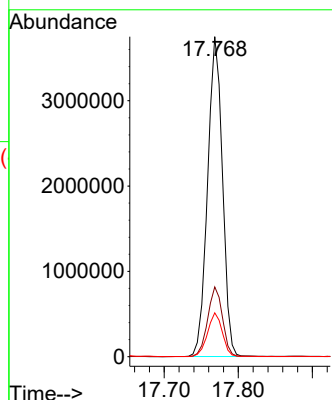
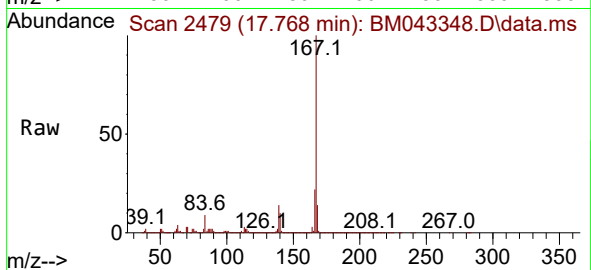
Tgt Ion:167 Resp: 5242181

Ion Ratio Lower Upper

167 100

166 21.8 17.1 25.7

139 13.7 9.9 14.9



#78

Di-n-butylphthalate

Concen: 48.961 ng/ul

RT: 18.333 min Scan# 2575

Delta R.T. -0.006 min

Lab File: BM043348.D

Acq: 14 Dec 2023 22:32

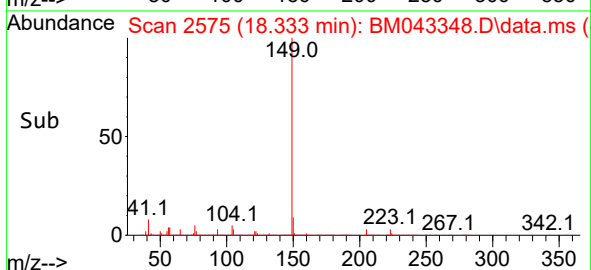
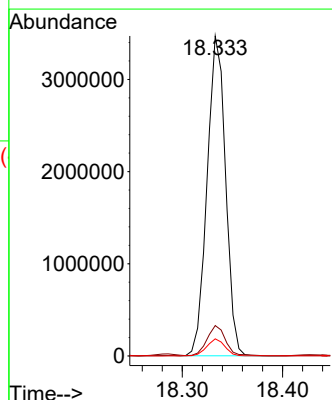
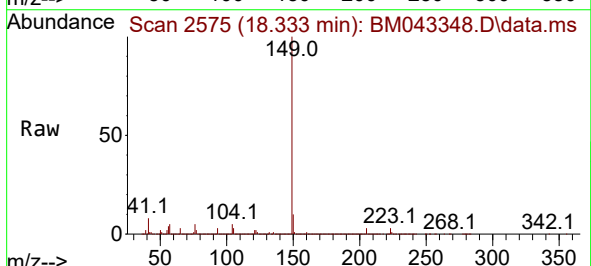
Tgt Ion:149 Resp: 4453450

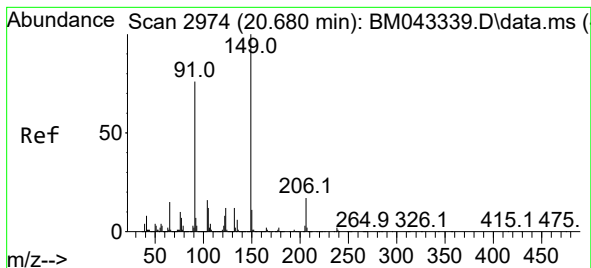
Ion Ratio Lower Upper

149 100

150 9.5 7.2 10.8

104 5.4 3.8 5.6





#83

Butylbenzylphthalate

Concen: 57.989 ng/ul

RT: 20.680 min Scan# 2974

Delta R.T. -0.000 min

Lab File: BM043348.D

Acq: 14 Dec 2023 22:32

Instrument :

BNA_P

ClientSampleId :

DCLF3MSD

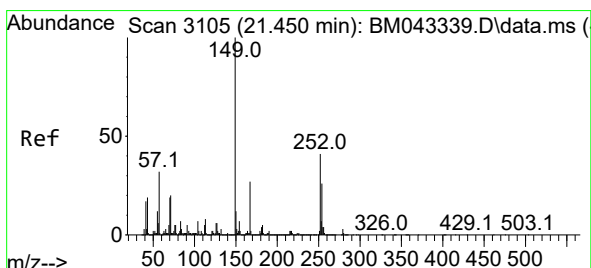
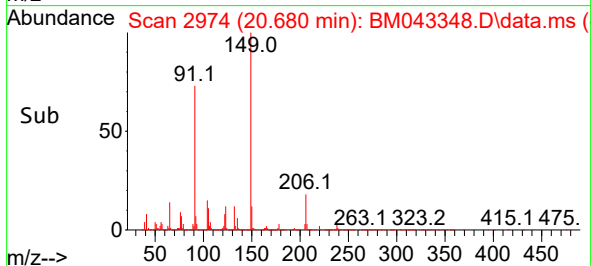
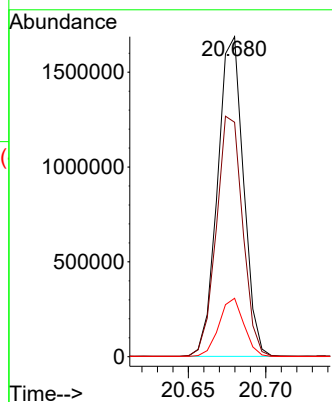
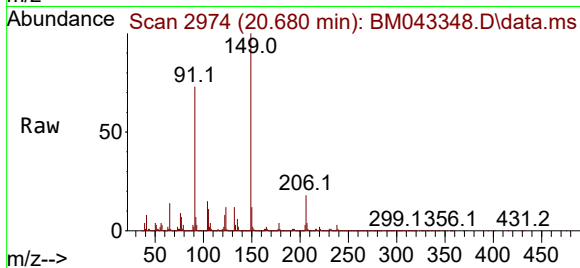
Tgt Ion:149 Resp: 1964605

Ion Ratio Lower Upper

149 100

91 73.2 56.9 85.3

206 18.2 16.1 24.1



#84

3,3'-Dichlorobenzidine

Concen: 39.873 ng/ul

RT: 21.450 min Scan# 3105

Delta R.T. -0.006 min

Lab File: BM043348.D

Acq: 14 Dec 2023 22:32

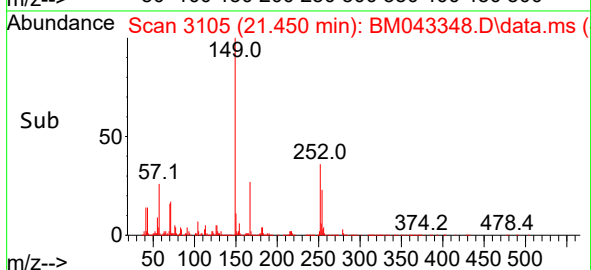
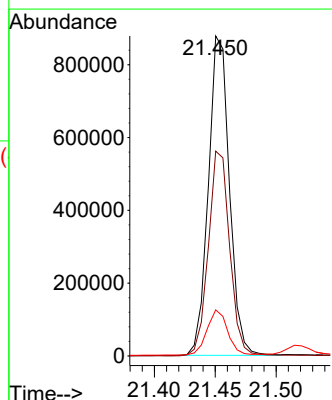
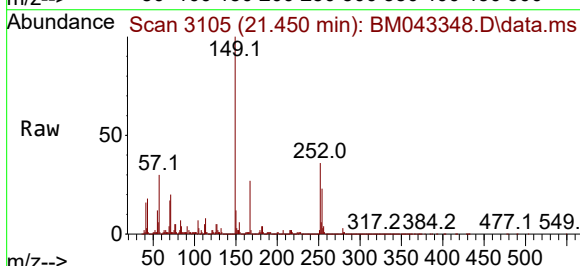
Tgt Ion:252 Resp: 1057071

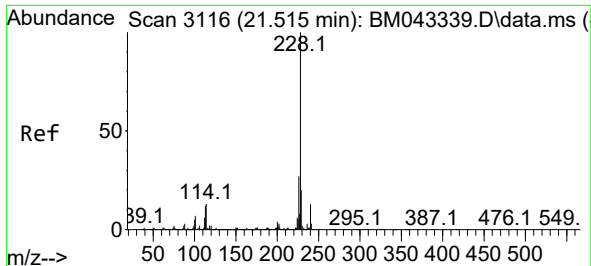
Ion Ratio Lower Upper

252 100

254 64.0 51.3 76.9

126 14.4 8.8 13.2#

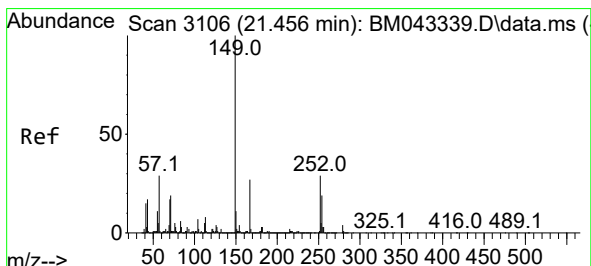
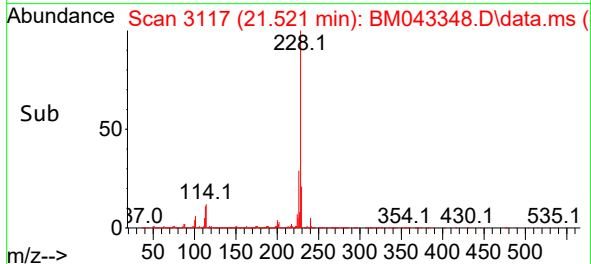
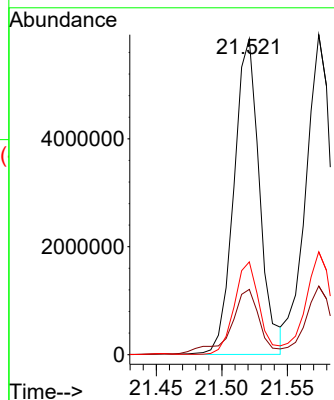
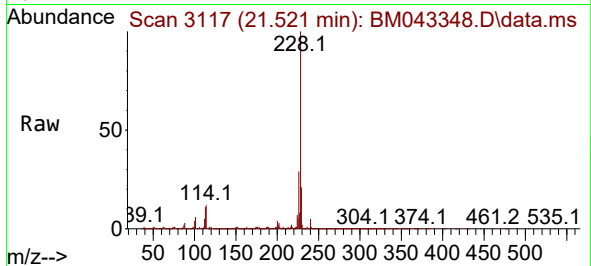




#85
Benzo(a)anthracene
Concen: 93.106 ng/ul
RT: 21.521 min Scan# 3117
Delta R.T. -0.000 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

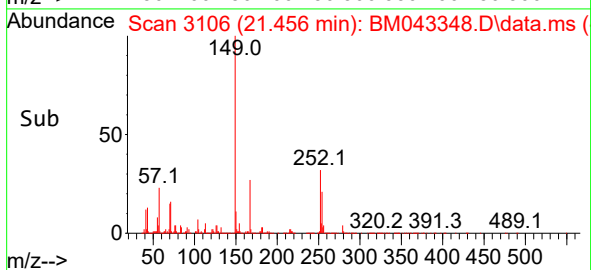
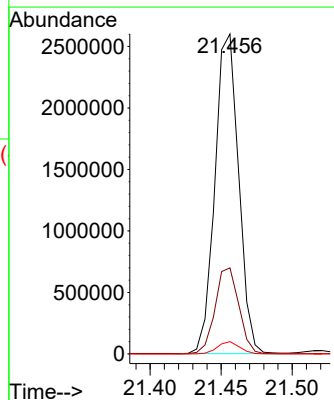
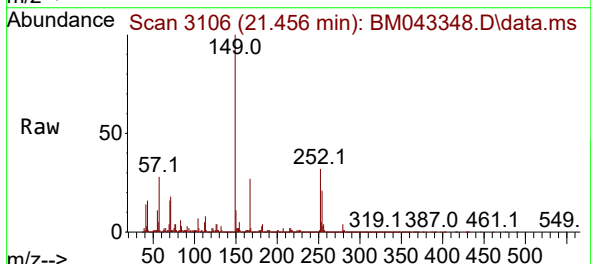
Instrument :
BNA_P
ClientSampleId :
DCLF3MSD

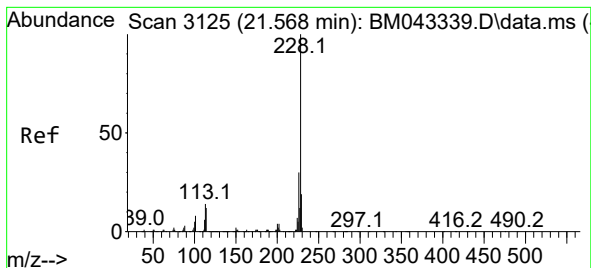
Tgt Ion:228 Resp: 7962992
Ion Ratio Lower Upper
228 100
229 20.7 15.8 23.8
226 29.4 22.2 33.4



#86
Bis(2-ethylhexyl)phthalate
Concen: 56.385 ng/ul
RT: 21.456 min Scan# 3106
Delta R.T. -0.000 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

Tgt Ion:149 Resp: 3015428
Ion Ratio Lower Upper
149 100
167 26.9 22.6 34.0
279 3.8 3.7 5.5





#87

Chrysene

Concen: 102.351 ng/ul

RT: 21.574 min Scan# 3125

Delta R.T. -0.000 min

Lab File: BM043348.D

Acq: 14 Dec 2023 22:32

Instrument :

BNA_P

ClientSampleId :

DCLF3MSD

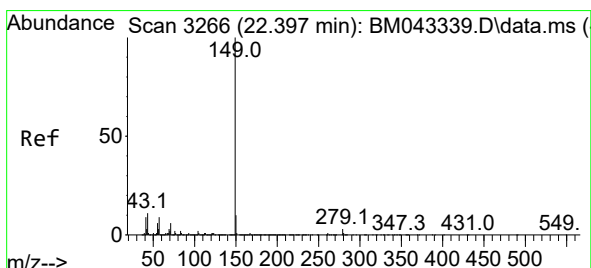
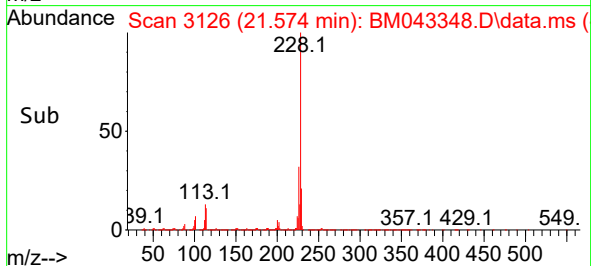
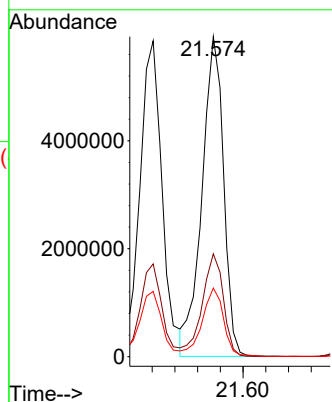
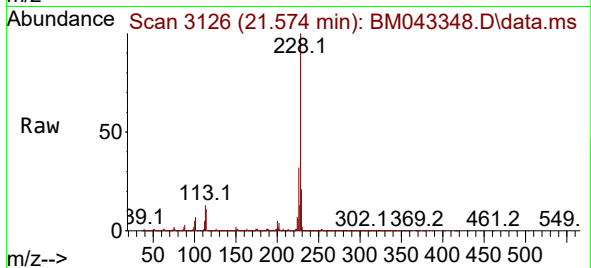
Tgt Ion:228 Resp: 7818325

Ion Ratio Lower Upper

228 100

226 32.2 24.8 37.2

229 21.5 16.2 24.2



#89

Di-n-octyl phthalate

Concen: 62.693 ng/ul

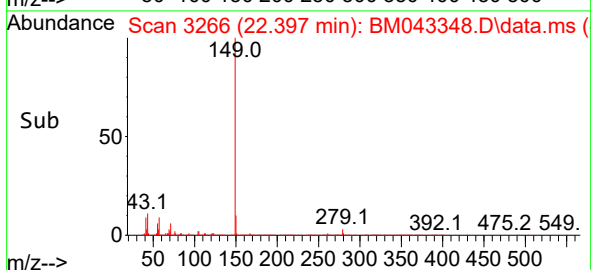
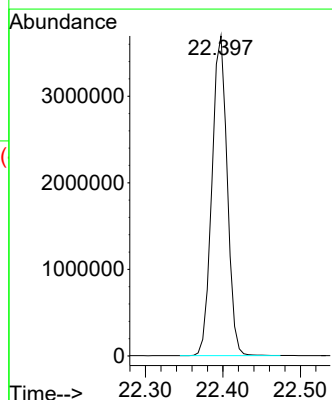
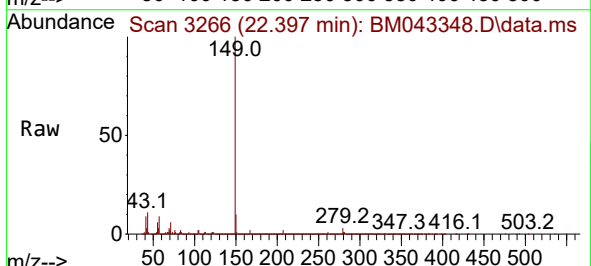
RT: 22.397 min Scan# 3266

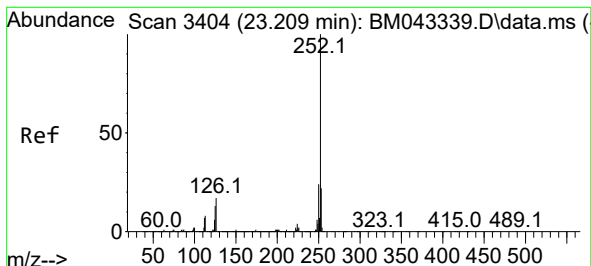
Delta R.T. -0.006 min

Lab File: BM043348.D

Acq: 14 Dec 2023 22:32

Tgt Ion:149 Resp: 5050315





#90

Benzo(b)fluoranthene

Concen: 70.961 ng/ul

RT: 23.215 min Scan# 34

Delta R.T. -0.000 min

Lab File: BM043348.D

Acq: 14 Dec 2023 22:32

Instrument :

BNA_P

ClientSampleId :

DCLF3MSD

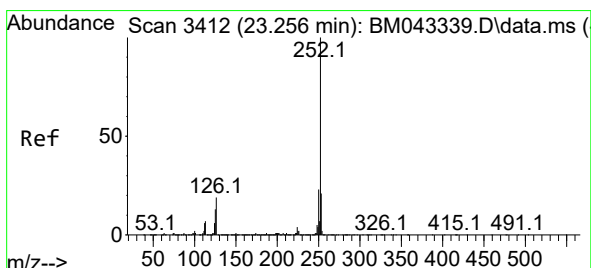
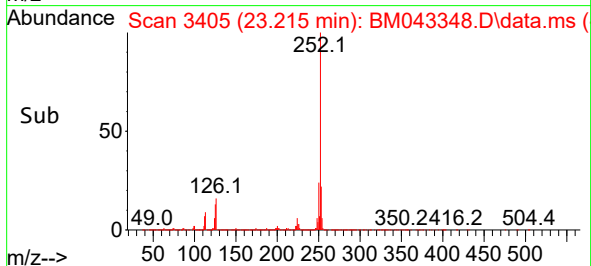
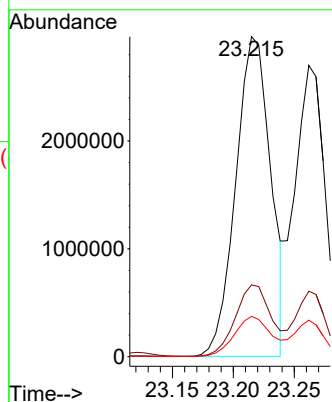
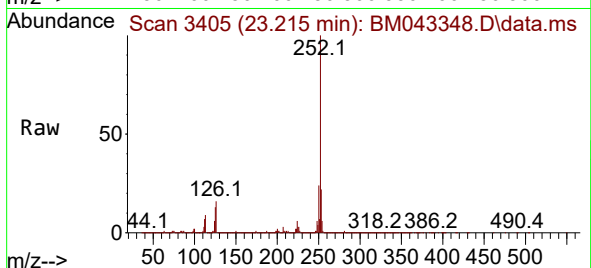
Tgt Ion:252 Resp: 5929530

Ion Ratio Lower Upper

252 100

253 22.4 17.4 26.2

125 12.6 7.2 10.8#



#91

Benzo(k)fluoranthene

Concen: 55.970 ng/ul

RT: 23.262 min Scan# 3413

Delta R.T. -0.006 min

Lab File: BM043348.D

Acq: 14 Dec 2023 22:32

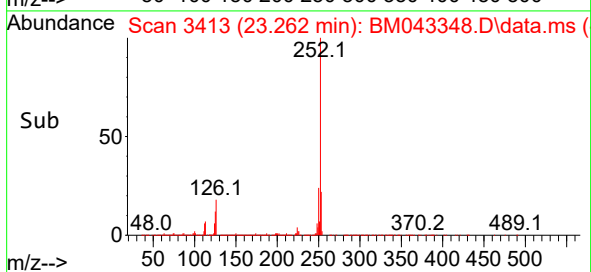
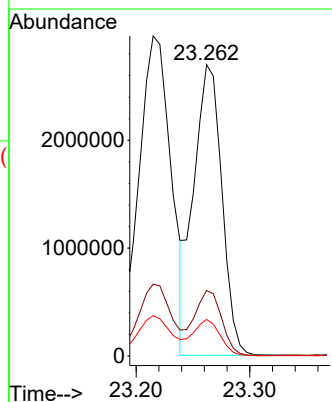
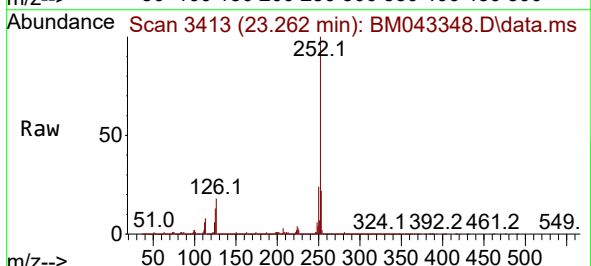
Tgt Ion:252 Resp: 4658084

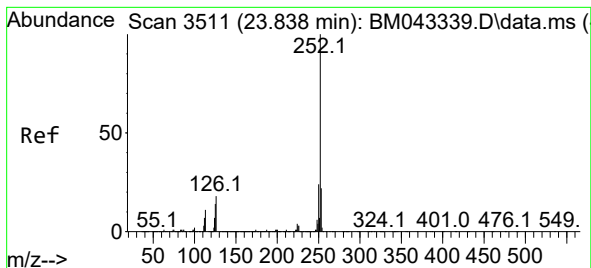
Ion Ratio Lower Upper

252 100

253 22.5 17.9 26.9

125 12.5 7.7 11.5#





#93

Benzo(a)pyrene

Concen: 60.347 ng/ul

RT: 23.844 min Scan# 3

Delta R.T. -0.000 min

Lab File: BM043348.D

Acq: 14 Dec 2023 22:32

Instrument :

BNA_P

ClientSampleId :

DCLF3MSD

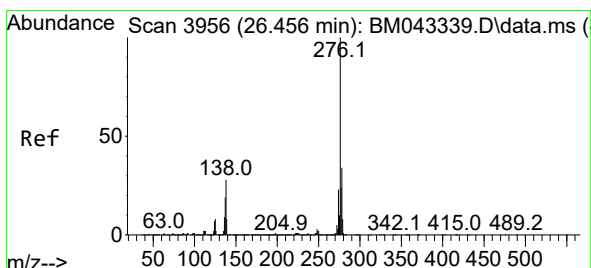
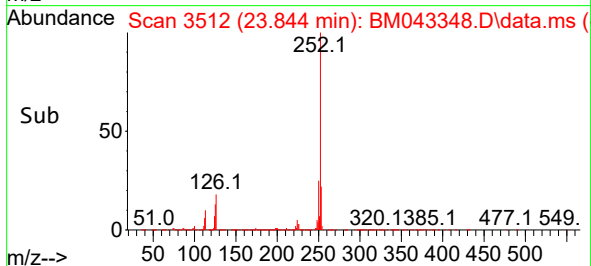
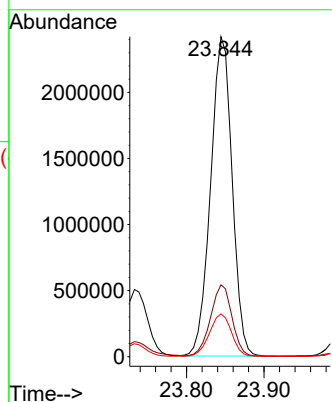
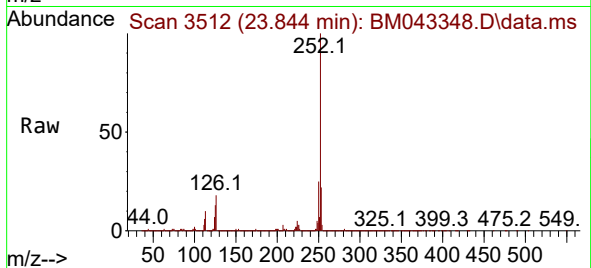
Tgt Ion:252 Resp: 4660951

Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

125 13.4 8.4 12.6#



#94

Indeno(1,2,3-cd)pyrene

Concen: 51.918 ng/ul

RT: 26.474 min Scan# 3959

Delta R.T. -0.000 min

Lab File: BM043348.D

Acq: 14 Dec 2023 22:32

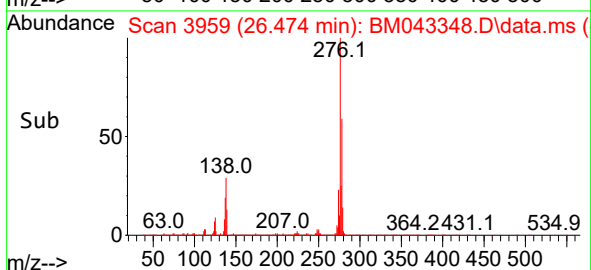
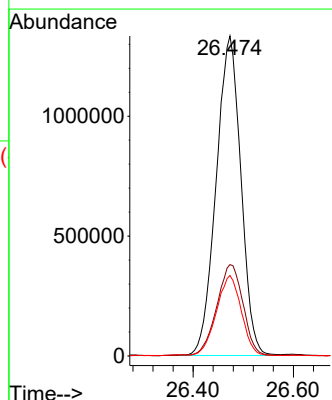
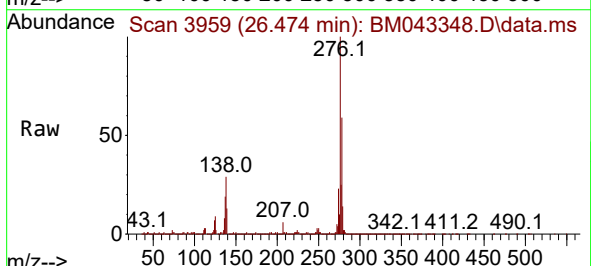
Tgt Ion:276 Resp: 4567564

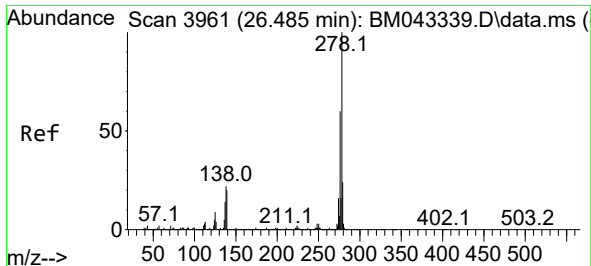
Ion Ratio Lower Upper

276 100

138 28.6 16.9 25.3#

277 25.2 19.5 29.3

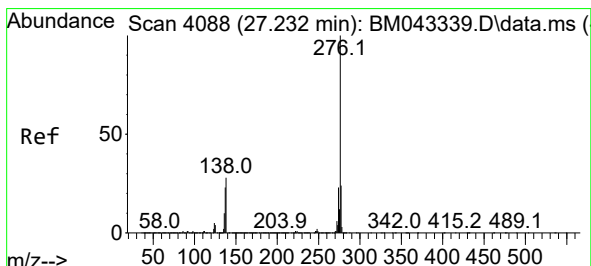
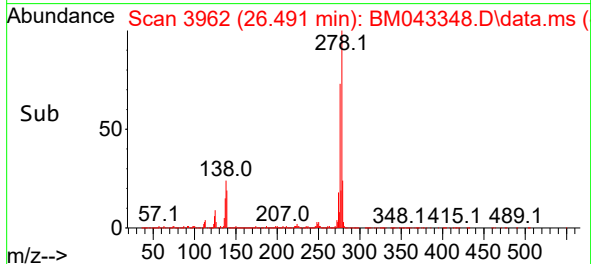
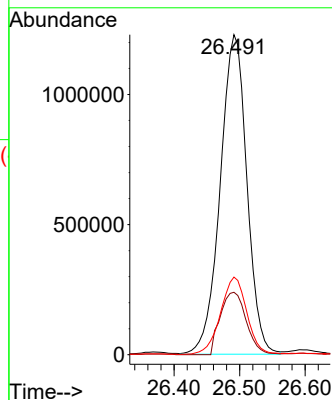
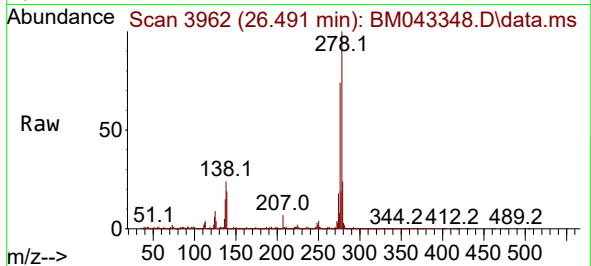




#95
Dibenzo(a,h)anthracene
Concen: 47.193 ng/ul
RT: 26.491 min Scan# 3961
Delta R.T. -0.012 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

Instrument :
BNA_P
ClientSampleId :
DCLF3MSD

Tgt Ion:278 Resp: 3471613
Ion Ratio Lower Upper
278 100
139 19.5 11.9 17.9#
279 24.2 19.4 29.2



#96
Benzo(g,h,i)perylene
Concen: 53.519 ng/ul
RT: 27.244 min Scan# 4090
Delta R.T. -0.000 min
Lab File: BM043348.D
Acq: 14 Dec 2023 22:32

Tgt Ion:276 Resp: 3547464
Ion Ratio Lower Upper
276 100
138 27.2 16.2 24.2#
277 23.7 18.7 28.1

