

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM121323\
 Data File : BM043326.D
 Acq On : 14 Dec 2023 06:35
 Operator : MA/JU
 Sample : 05686-04MS
 Misc :
 ALS Vial : 21 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 YCH84MS

Quant Time: Dec 14 07:06:14 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	7.999	152	478248	20.000	ng/u1	0.00
20) Naphthalene-d8	10.804	136	2210987	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.628	164	1261623	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.369	188	2419568	20.000	ng/u1	# 0.00
79) Chrysene-d12	21.539	240	1690481	20.000	ng/u1	# 0.00
88) Perylene-d12	23.956	264	1493052	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.399	96	52233	4.286	ng/uL	0.00
4) Pyridine-d5	3.817	84	486185	13.447	ng/u1	0.00
7) Phenol-d5	7.157	99	339614	7.153	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.334	67	1127541	38.362	ng/u1	0.00
11) 2-Chlorophenol-d4	7.528	132	990435	27.363	ng/u1	0.00
15) 4-Methylphenol-d8	8.710	113	631063	16.800	ng/u1	0.00
21) Nitrobenzene-d5	9.169	128	723157	38.374	ng/u1	0.00
24) 2-Nitrophenol-d4	9.893	143	709929	39.067	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.428	165	1178086	29.085	ng/u1	0.00
31) 4-Chloroaniline-d4	10.951	131	1784829	30.625	ng/u1	0.00
46) Dimethylphthalate-d6	14.045	166	4027264	36.415	ng/u1	0.00
49) Acenaphthylene-d8	14.322	160	4670708	36.505	ng/u1	0.00
54) 4-Nitrophenol-d4	14.822	143	143278	7.230	ng/u1	0.00
60) Fluorene-d10	15.616	176	3366825	34.924	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.739	200	440339	33.066	ng/u1	0.00
73) Anthracene-d10	17.469	188	4918825	37.577	ng/u1	0.00
81) Pyrene-d10	19.751	212	5034367	46.543	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.803	264	3454697	39.654	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.434	88	71446	5.338	ng/uL	95
5) Pyridine	3.834	79	566365	15.241	ng/u1	99
6) Benzaldehyde	7.140	77	1021936	41.819	ng/u1	96
8) Phenol	7.187	94	376211	8.012	ng/u1	100
10) Bis(2-Chloroethyl)ether	7.428	93	1527501	40.346	ng/u1	98
12) 2-Chlorophenol	7.557	128	1081511	29.453	ng/u1	98
13) 2-Methylphenol	8.440	108	808118	22.256	ng/u1	96
14) 2,2'-oxybis(1-Chloropr...	8.528	45	2580156	40.989	ng/u1	99
16) Acetophenone	8.834	105	2338660	38.737	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.816	70	1326828	40.096	ng/u1	99
18) 4-Methylphenol	8.775	108	742303	18.842	ng/u1	97
19) Hexachloroethane	9.075	117	514557	33.059	ng/u1	83
22) Nitrobenzene	9.216	77	1861013	41.073	ng/u1	99
23) Isophorone	9.740	82	3729652	38.630	ng/u1	99
25) 2-Nitrophenol	9.922	139	803957	40.366	ng/u1	93
26) 2,4-Dimethylphenol	9.981	107	935231	23.950	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.228	93	2203571	38.819	ng/u1	100
29) 2,4-Dichlorophenol	10.451	162	1219974	31.032	ng/u1	96
30) Naphthalene	10.857	128	4836601	35.639	ng/u1	100
32) 4-Chloroaniline	10.975	127	1617351	29.421	ng/u1	99
33) Hexachlorobutadiene	11.128	225	636658	25.990	ng/u1	99
34) Caprolactam	11.763	113	135741	11.612	ng/u1	93
35) 4-Chloro-3-methylphenol	12.087	107	1270684	30.782	ng/u1	97
36) 2-Methylnaphthalene	12.463	142	3393084	34.752	ng/u1	100

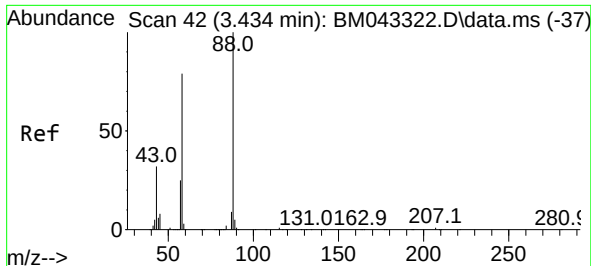
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 Quant Title : SVOA CALIBRATION
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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.681	142	3350237	33.806	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.822	216	1414523	33.140	ng/ul#	97
40) Hexachlorocyclopentadiene	12.792	237	513818	21.215	ng/ul	98
41) 2,4,6-Trichlorophenol	13.063	196	978101	36.825	ng/ul	99
42) 2,4,5-Trichlorophenol	13.134	196	1054012	36.461	ng/ul	99
43) 1,1'-Biphenyl	13.469	154	4380698	39.251	ng/ul	99
44) 2-Chloronaphthalene	13.510	162	3355458	38.786	ng/ul	97
45) 2-Nitroaniline	13.722	65	1232129	53.896	ng/ul	96
47) Dimethylphthalate	14.092	163	4314656	39.777	ng/ul	99
48) 2,6-Dinitrotoluene	14.222	165	901027	45.086	ng/ul	95
50) Acenaphthylene	14.351	152	5731393	39.634	ng/ul	99
51) 3-Nitroaniline	14.545	138	970961	43.794	ng/ul	92
52) Acenaphthene	14.692	153	3795208	39.788	ng/ul	100
53) 2,4-Dinitrophenol	14.745	184	291864	31.812	ng/ul#	80
55) 4-Nitrophenol	14.839	109	126152	8.804	ng/ul	93
56) Dibenzofuran	15.028	168	4957526	38.048	ng/ul	94
57) 2,4-Dinitrotoluene	14.998	165	1291749	45.270	ng/ul	88
58) 2,3,4,6-Tetrachlorophenol	15.245	232	837153	34.840	ng/ul#	88
59) Diethylphthalate	15.451	149	4629557	42.431	ng/ul	98
61) Fluorene	15.675	166	4404905	39.054	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.669	204	1981981	35.568	ng/ul	94
63) 4-Nitroaniline	15.704	138	1038391	46.613	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.757	198	516977	35.504	ng/ul#	90
67) N-Nitrosodiphenylamine	15.886	169	3550660	43.760	ng/ul	100
68) 4-Bromophenyl-phenylether	16.563	248	1130989	38.654	ng/ul	94
69) Hexachlorobenzene	16.663	284	1310650	37.752	ng/ul#	92
70) Atrazine	16.839	200	807335	35.283	ng/ul	96
71) Pentachlorophenol	17.010	266	698343	34.162	ng/ul	99
72) Phenanthrene	17.410	178	6460647	42.820	ng/ul	99
74) Anthracene	17.504	178	6528547	42.955	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.428	216	1447583	37.817	ng/uL	99
76) Pentachlorobenzene	14.939	250	1477242	37.975	ng/uL	99
77) Carbazole	17.774	167	6037041	48.356	ng/ul	99
78) Di-n-butylphthalate	18.339	149	8194687	50.463	ng/ul	98
80) Fluoranthene	19.415	202	6765336	54.524	ng/ul#	92
82) Pyrene	19.780	202	6871014	53.235	ng/ul	95
83) Butylbenzylphthalate	20.686	149	3564537	69.427	ng/ul	98
84) 3,3'-Dichlorobenzidine	21.457	252	1763433	43.893	ng/ul	99
85) Benzo(a)anthracene	21.521	228	5737643	44.268	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.462	149	5411777	66.774	ng/ul	100
87) Chrysene	21.574	228	5111519	44.155	ng/ul	99
89) Di-n-octyl phthalate	22.404	149	8505347	82.819	ng/ul	100
90) Benzo(b)fluoranthene	23.221	252	4719074	44.299	ng/ul#	97
91) Benzo(k)fluoranthene	23.268	252	4697747	44.277	ng/ul#	97
93) Benzo(a)pyrene	23.856	252	4236176	43.022	ng/ul#	97
94) Indeno(1,2,3-cd)pyrene	26.486	276	5026865	44.819	ng/ul#	92
95) Dibenzo(a,h)anthracene	26.509	278	4203855	44.826	ng/ul#	95
96) Benzo(g,h,i)perylene	27.256	276	3899056	46.141	ng/ul#	92

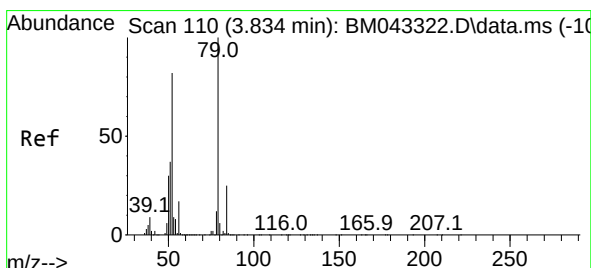
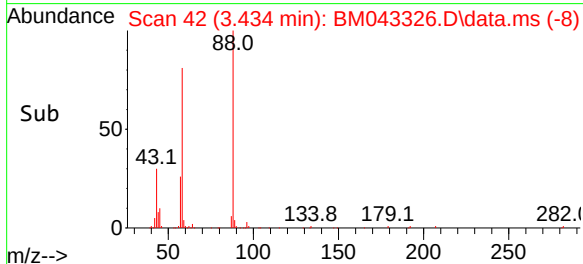
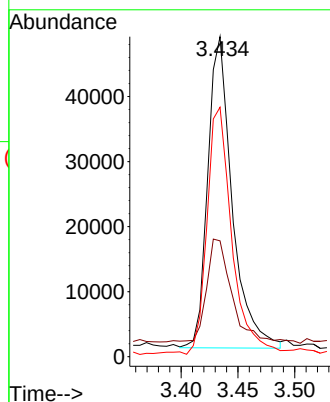
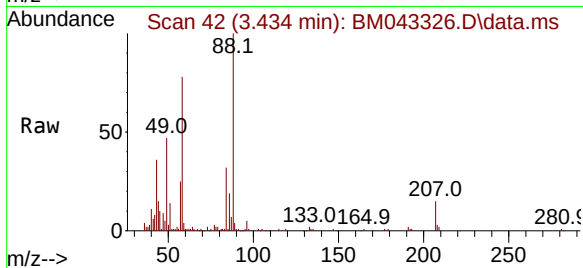
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#2
1,4-Dioxane
Concen: 5.338 ng/uL
RT: 3.434 min Scan# 41
Delta R.T. 0.000 min
Lab File: BM043326.D
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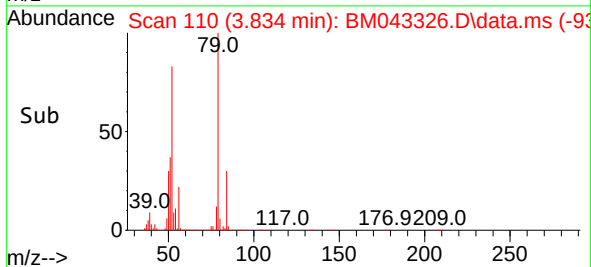
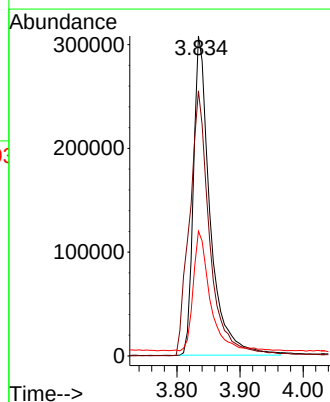
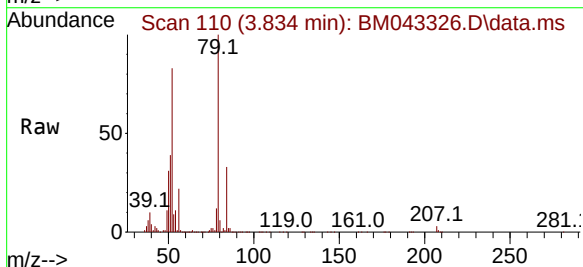
Instrument :
BNA_M
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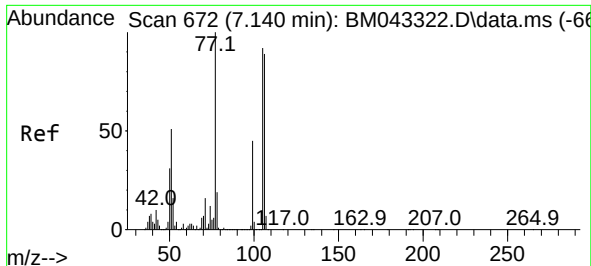
Tgt Ion:	88	Resp:	71446
Ion	Ratio	Lower	Upper
88	100		
43	36.2	25.0	37.4
58	78.0	60.6	90.8



#5
Pyridine
Concen: 15.241 ng/uL
RT: 3.834 min Scan# 110
Delta R.T. 0.000 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

Tgt Ion:	79	Resp:	566365
Ion	Ratio	Lower	Upper
79	100		
52	82.9	64.9	97.3
51	39.0	31.0	46.4

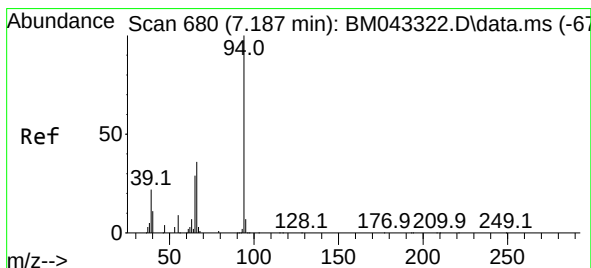
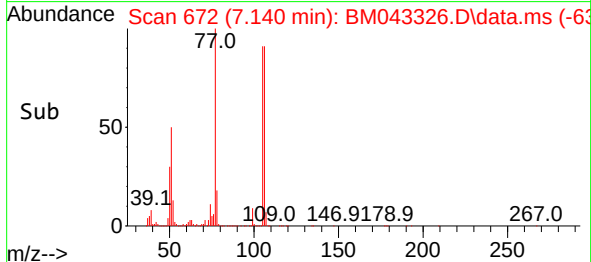
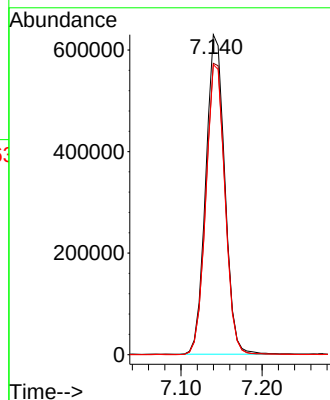
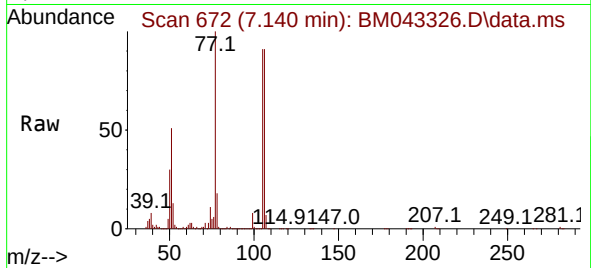




#6
Benzaldehyde
Concen: 41.819 ng/ul
RT: 7.140 min Scan# 672
Delta R.T. 0.000 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

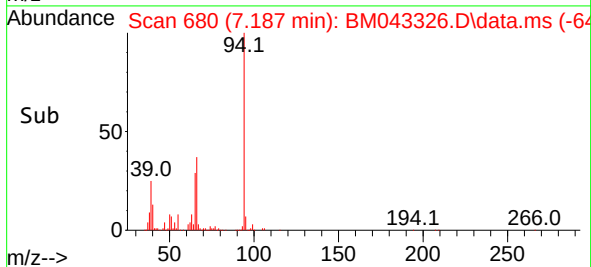
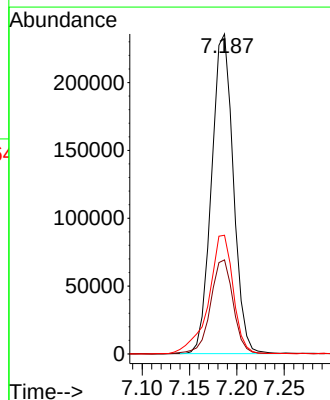
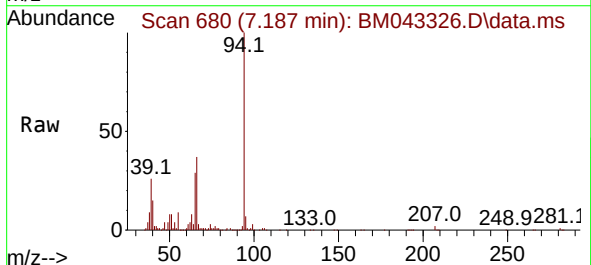
Instrument :
BNA_M
ClientSampleId :
YCH84MS

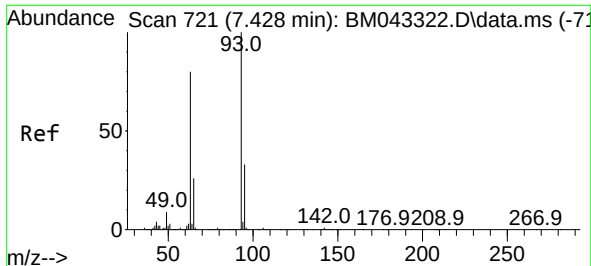
Tgt Ion: 77 Resp: 1021936
Ion Ratio Lower Upper
77 100
105 91.0 76.3 114.5
106 90.6 74.6 112.0



#8
Phenol
Concen: 8.012 ng/ul
RT: 7.187 min Scan# 680
Delta R.T. 0.000 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

Tgt Ion: 94 Resp: 376211
Ion Ratio Lower Upper
94 100
65 29.4 23.5 35.3
66 37.1 29.9 44.9



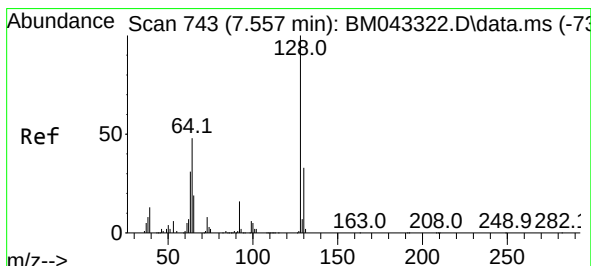
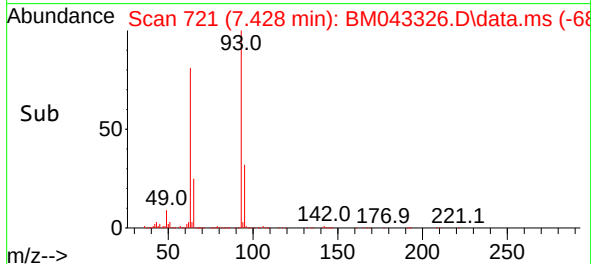
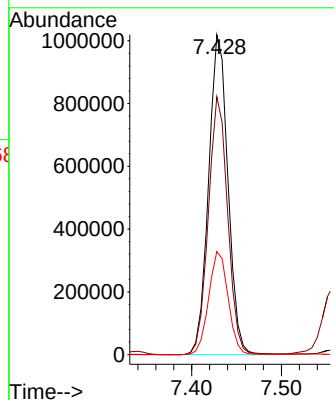
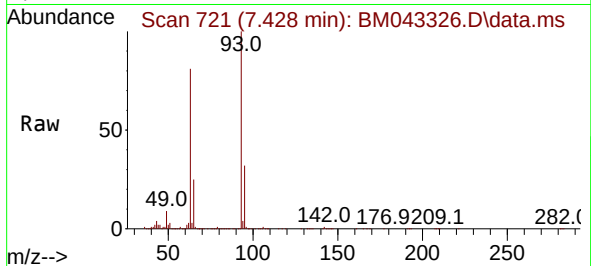


#10
 Bis(2-Chloroethyl)ether
 Concen: 40.346 ng/ul
 RT: 7.428 min Scan# 721
 Delta R.T. 0.000 min
 Lab File: BM043326.D
 Acq: 14 Dec 2023 06:35

Instrument :
 BNA_M
 ClientSampleId :
 YCH84MS

Tgt Ion: 93 Resp: 1527501

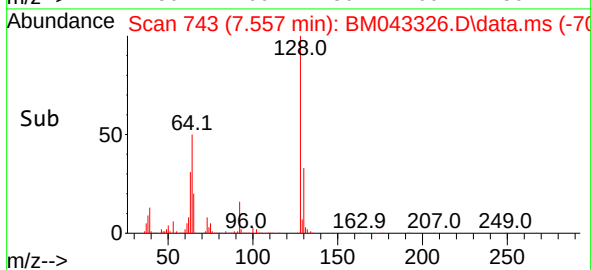
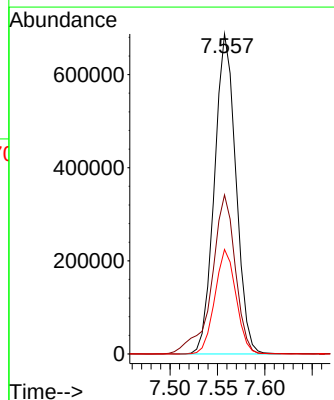
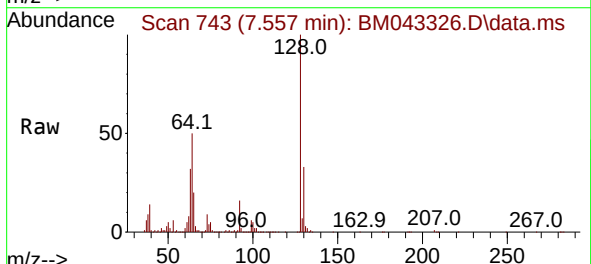
Ion	Ratio	Lower	Upper
93	100		
63	80.6	63.0	94.4
95	32.2	26.0	39.0

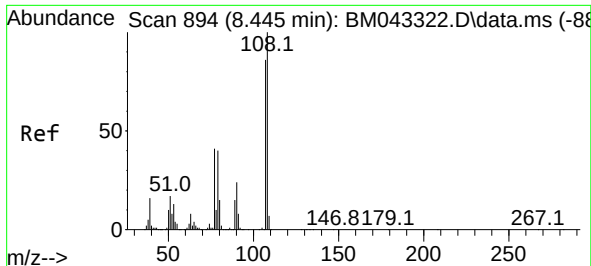


#12
 2-Chlorophenol
 Concen: 29.453 ng/ul
 RT: 7.557 min Scan# 743
 Delta R.T. 0.000 min
 Lab File: BM043326.D
 Acq: 14 Dec 2023 06:35

Tgt Ion: 128 Resp: 1081511

Ion	Ratio	Lower	Upper
128	100		
64	49.7	38.3	57.5
130	32.7	26.6	40.0





#13

2-Methylphenol

Concen: 22.256 ng/ul

RT: 8.440 min Scan# 894

Delta R.T. -0.006 min

Lab File: BM043326.D

Acq: 14 Dec 2023 06:35

Instrument :

BNA_M

ClientSampleId :

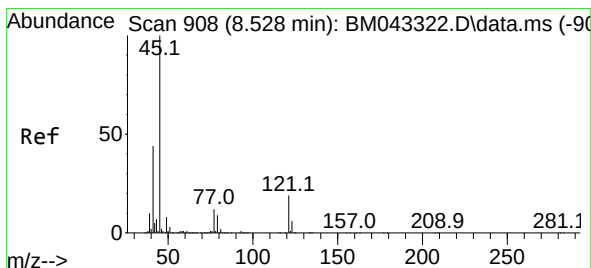
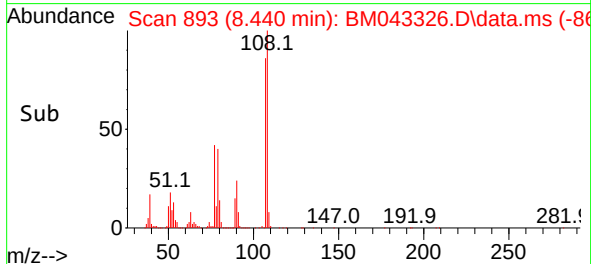
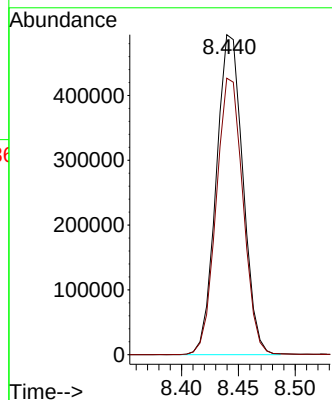
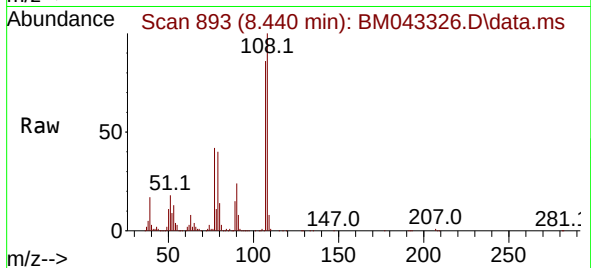
YCH84MS

Tgt Ion:108 Resp: 808118

Ion Ratio Lower Upper

108 100

107 86.4 71.8 107.6



#14

2,2'-oxybis(1-Chloropropane)

Concen: 40.989 ng/ul

RT: 8.528 min Scan# 908

Delta R.T. 0.000 min

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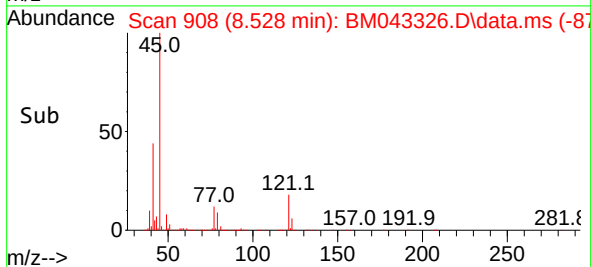
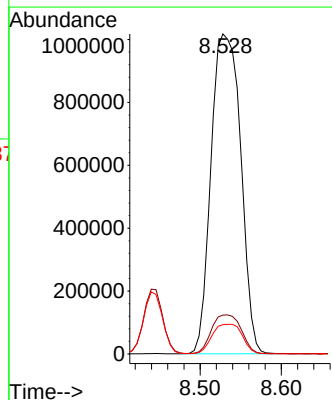
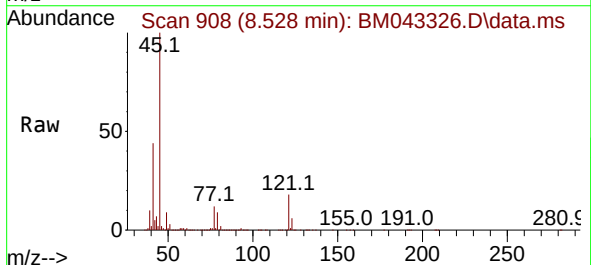
Tgt Ion: 45 Resp: 2580156

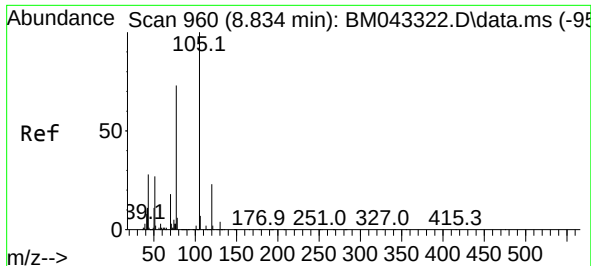
Ion Ratio Lower Upper

45 100

77 12.2 10.2 15.2

79 9.2 7.2 10.8

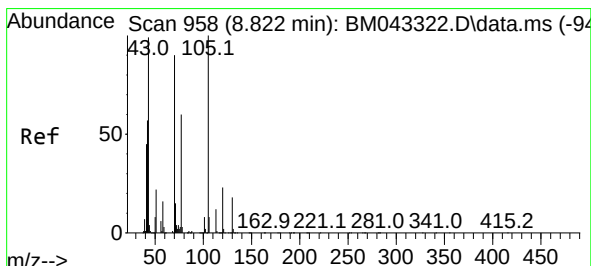
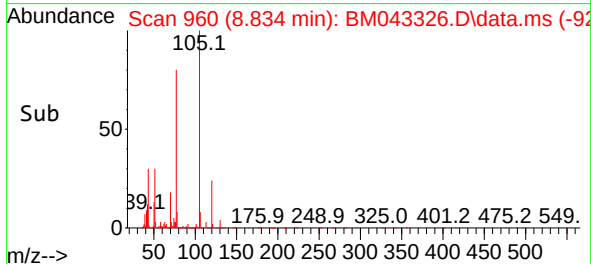
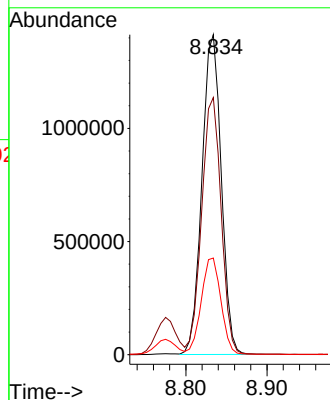
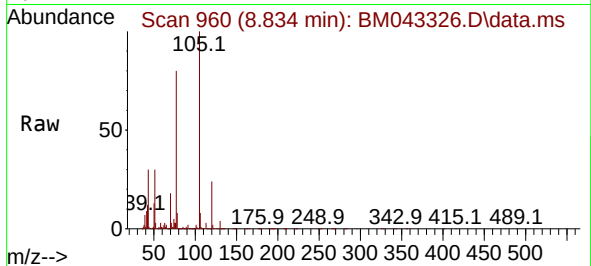




#16
Acetophenone
Concen: 38.737 ng/ul
RT: 8.834 min Scan# 960
Delta R.T. 0.000 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

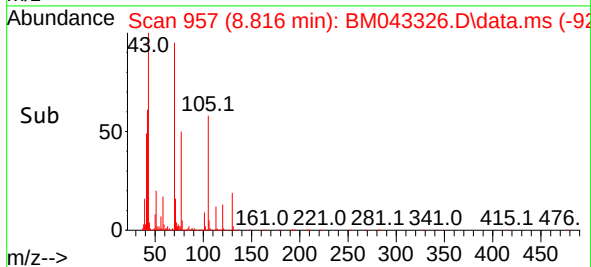
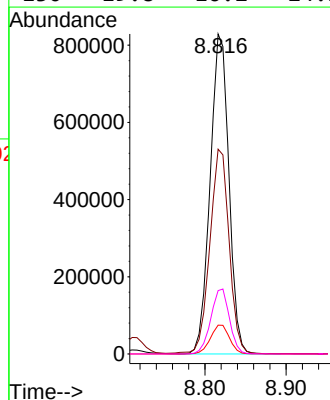
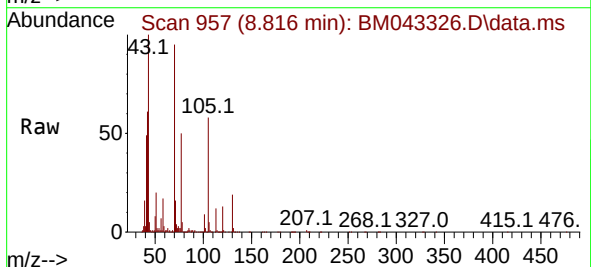
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ClientSampleId :
YCH84MS

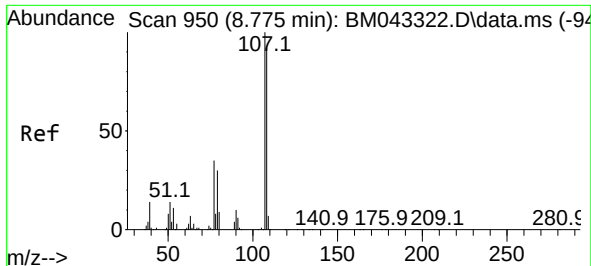
Tgt Ion:105 Resp: 2338660
Ion Ratio Lower Upper
105 100
77 80.4 62.7 94.1
51 30.2 23.8 35.8



#17
N-Nitroso-di-n-propylamine
Concen: 40.096 ng/ul
RT: 8.816 min Scan# 957
Delta R.T. 0.000 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

Tgt Ion: 70 Resp: 1326828
Ion Ratio Lower Upper
70 100
42 64.0 52.3 78.5
101 9.0 7.0 10.6
130 19.8 16.2 24.2

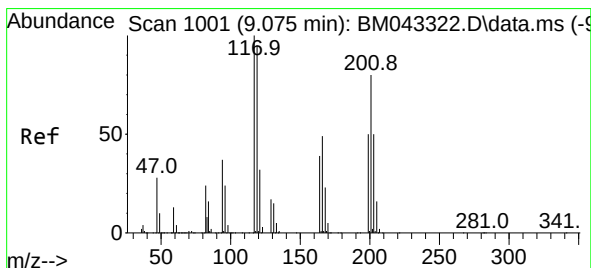
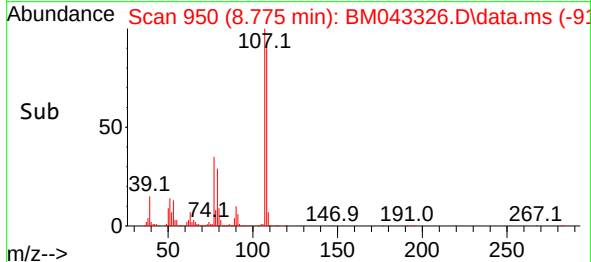
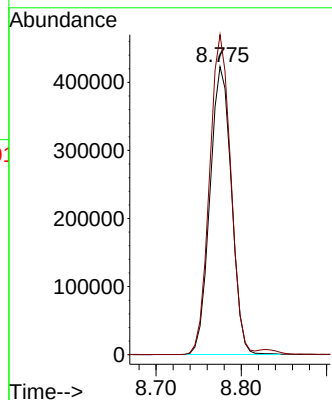
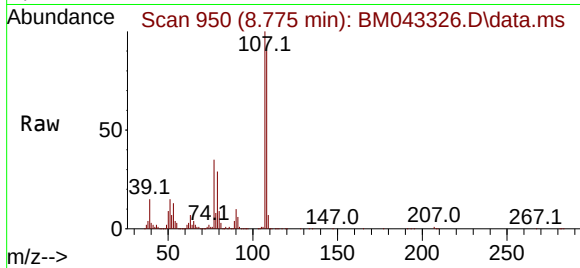




#18
4-Methylphenol
Concen: 18.842 ng/ul
RT: 8.775 min Scan# 950
Delta R.T. 0.000 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

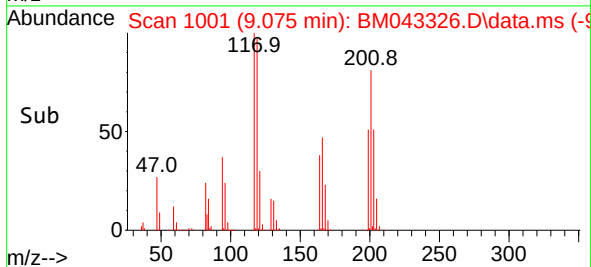
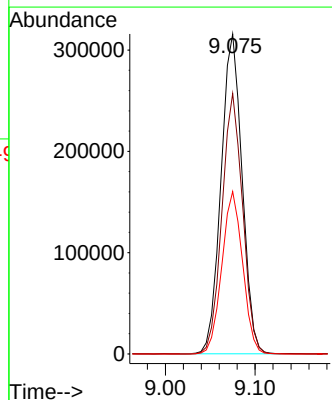
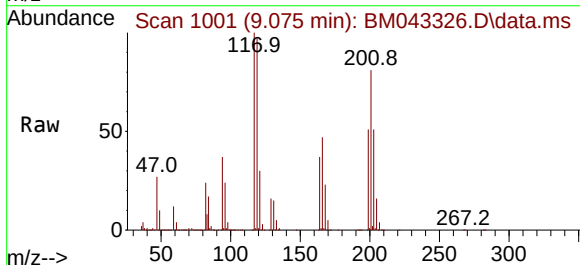
Instrument :
BNA_M
ClientSampleId :
YCH84MS

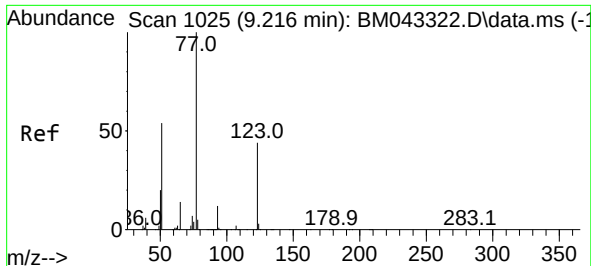
Tgt Ion:108 Resp: 742303
Ion Ratio Lower Upper
108 100
107 111.1 86.4 129.6



#19
Hexachloroethane
Concen: 33.059 ng/ul
RT: 9.075 min Scan# 1001
Delta R.T. 0.000 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

Tgt Ion:117 Resp: 514557
Ion Ratio Lower Upper
117 100
201 81.4 79.2 118.8
199 50.7 49.8 74.8

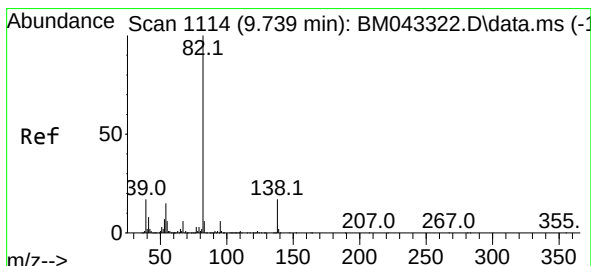
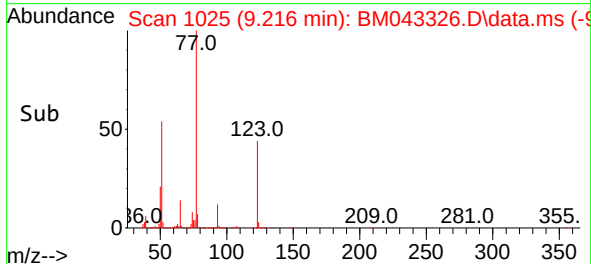
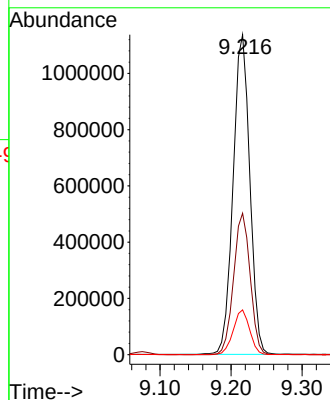
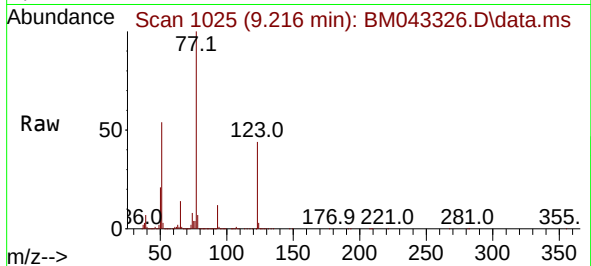




#22
Nitrobenzene
Concen: 41.073 ng/ul
RT: 9.216 min Scan# 1025
Delta R.T. 0.006 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

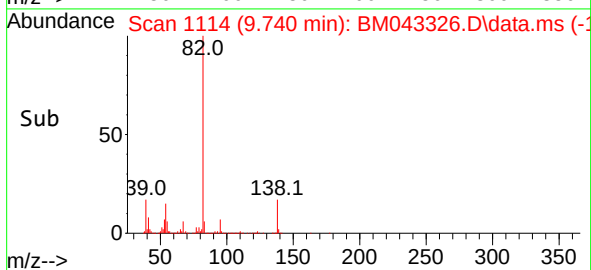
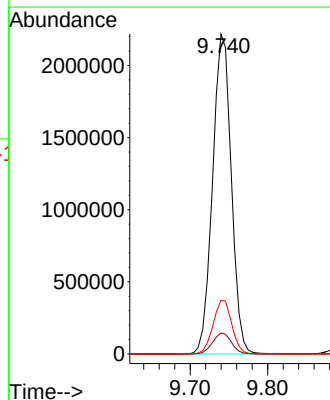
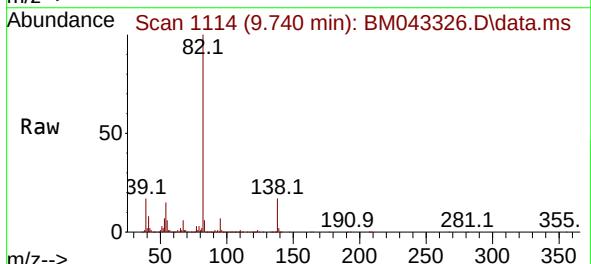
Instrument :
BNA_M
ClientSampleId :
YCH84MS

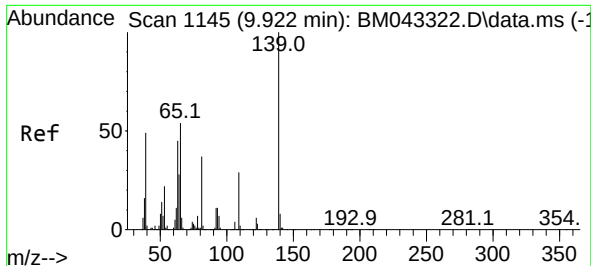
Tgt Ion: 77 Resp: 1861013
Ion Ratio Lower Upper
77 100
123 44.2 35.6 53.4
65 14.0 11.0 16.4



#23
Isophorone
Concen: 38.630 ng/ul
RT: 9.740 min Scan# 1114
Delta R.T. 0.000 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

Tgt Ion: 82 Resp: 3729652
Ion Ratio Lower Upper
82 100
95 6.6 5.2 7.8
138 16.8 14.0 21.0

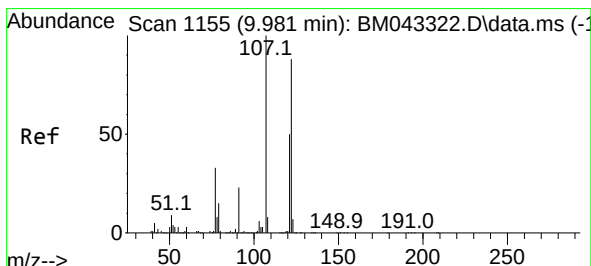
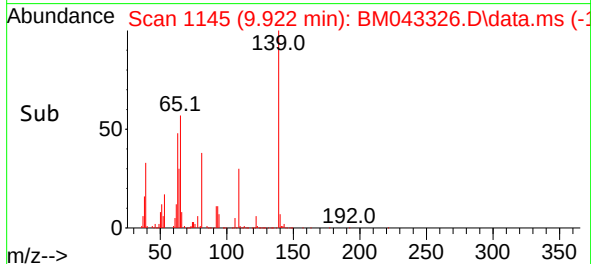
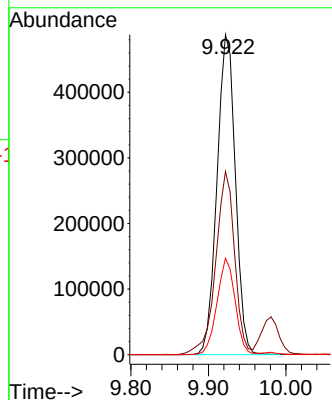
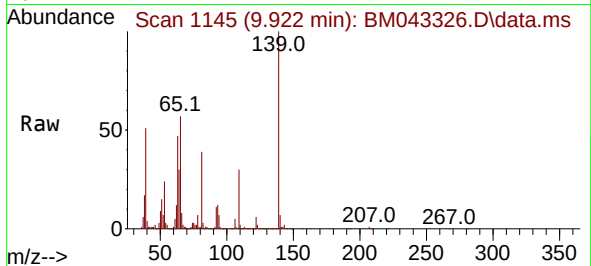




#25
2-Nitrophenol
Concen: 40.366 ng/ul
RT: 9.922 min Scan# 1145
Delta R.T. 0.000 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

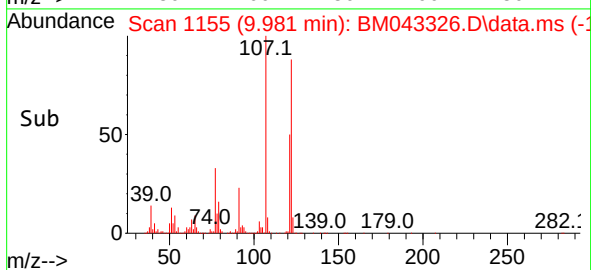
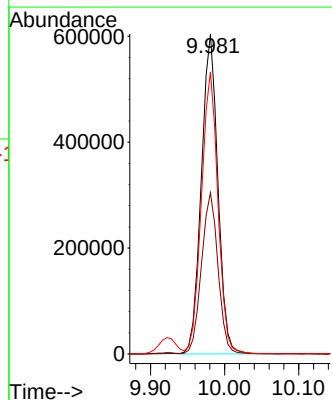
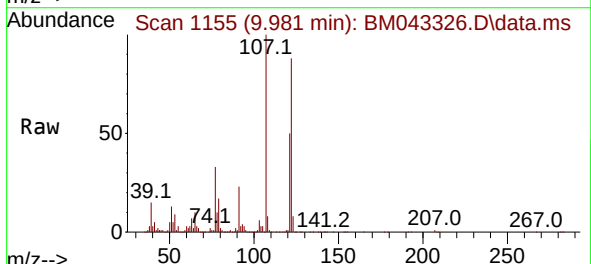
Instrument :
BNA_M
ClientSampleId :
YCH84MS

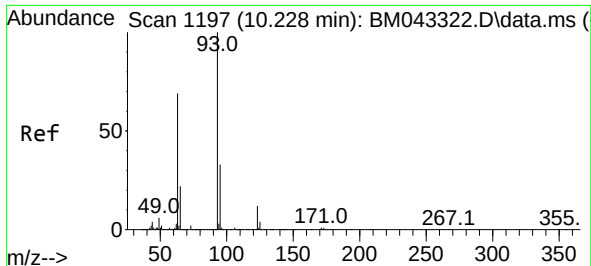
Tgt Ion:139 Resp: 803957
Ion Ratio Lower Upper
139 100
65 57.3 40.6 60.8
109 30.2 22.6 33.8



#26
2,4-Dimethylphenol
Concen: 23.950 ng/ul
RT: 9.981 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

Tgt Ion:107 Resp: 935231
Ion Ratio Lower Upper
107 100
121 50.4 42.2 63.2
122 88.2 72.0 108.0





#27

Bis(2-Chloroethoxy)methane

Concen: 38.819 ng/ul

RT: 10.228 min Scan# 1197

Delta R.T. 0.000 min

Lab File: BM043326.D

Acq: 14 Dec 2023 06:35

Instrument :

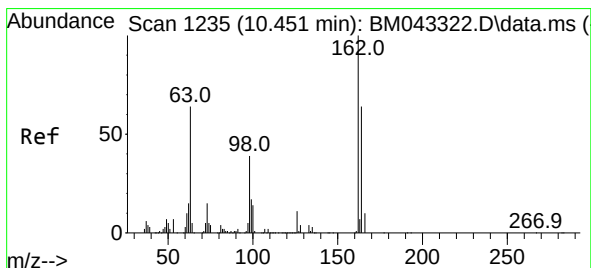
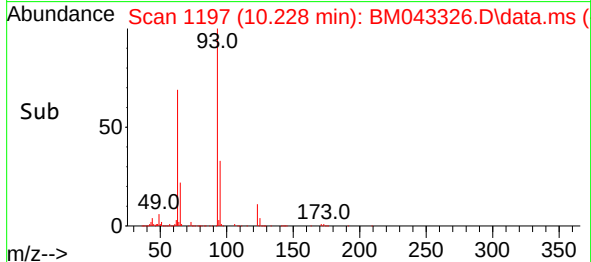
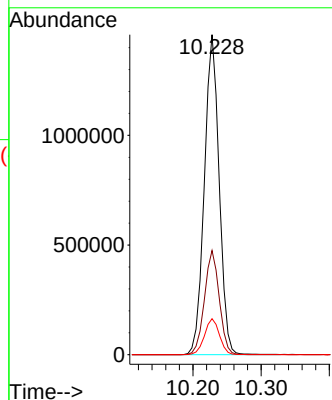
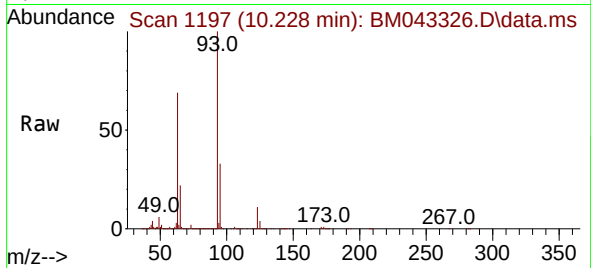
BNA_M

ClientSampleId :

YCH84MS

Tgt Ion: 93 Resp: 2203571

Ion	Ratio	Lower	Upper
93	100		
95	32.5	26.2	39.2
123	11.3	9.2	13.8



#29

2,4-Dichlorophenol

Concen: 31.032 ng/ul

RT: 10.451 min Scan# 1235

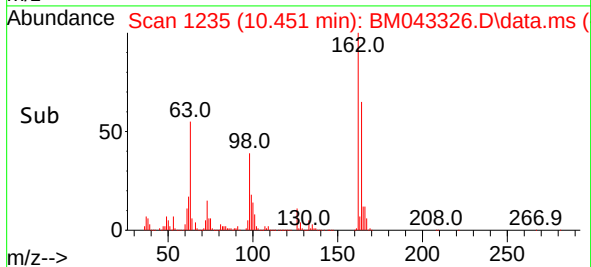
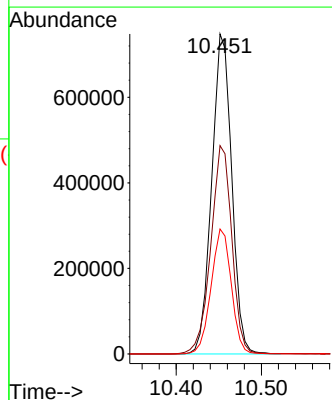
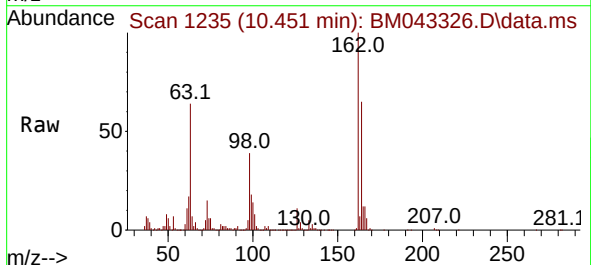
Delta R.T. 0.000 min

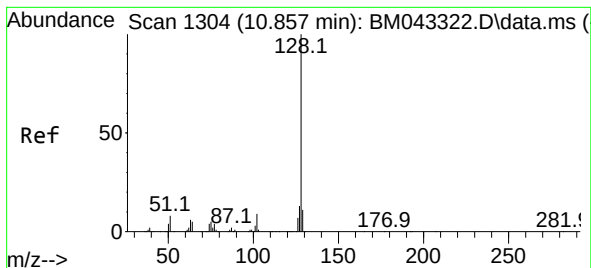
Lab File: BM043326.D

Acq: 14 Dec 2023 06:35

Tgt Ion:162 Resp: 1219974

Ion	Ratio	Lower	Upper
162	100		
164	65.1	51.4	77.0
98	39.0	26.9	40.3

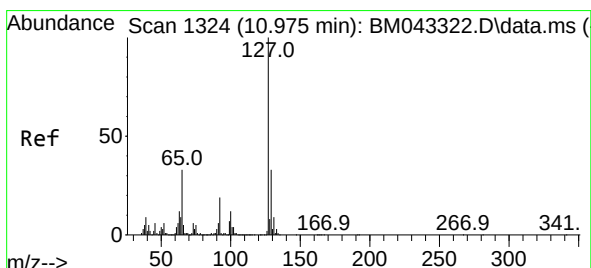
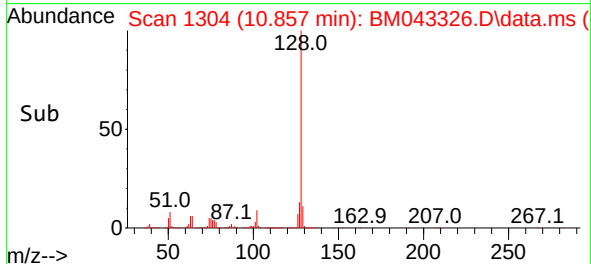
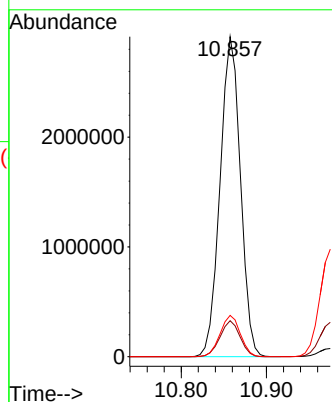
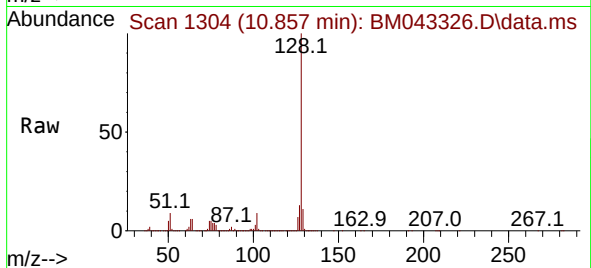




#30
Naphthalene
Concen: 35.639 ng/ul
RT: 10.857 min Scan# 11
Delta R.T. 0.000 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

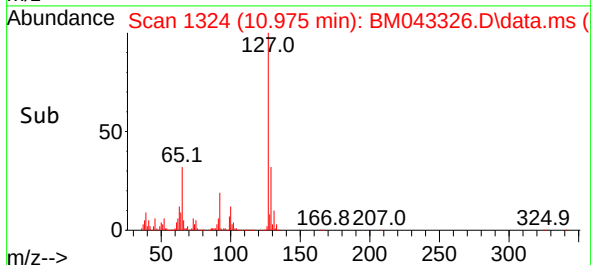
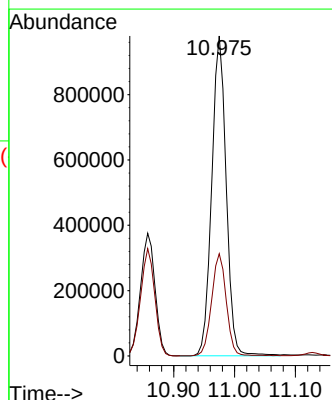
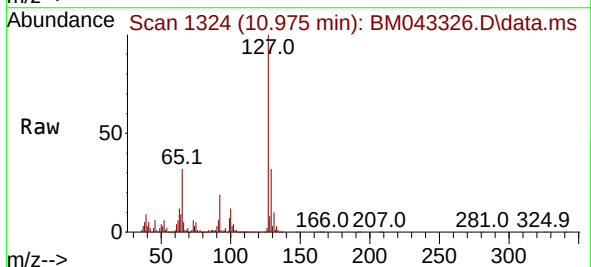
Instrument :
BNA_M
ClientSampleId :
YCH84MS

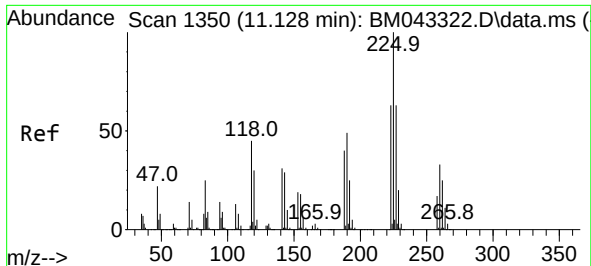
Tgt Ion:128 Resp: 4836601
Ion Ratio Lower Upper
128 100
129 11.3 9.0 13.4
127 12.9 10.4 15.6



#32
4-Chloroaniline
Concen: 29.421 ng/ul
RT: 10.975 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

Tgt Ion:127 Resp: 1617351
Ion Ratio Lower Upper
127 100
129 32.0 26.0 39.0

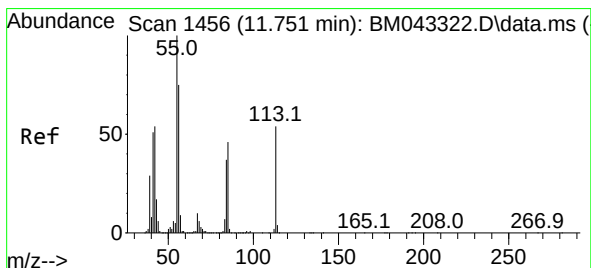
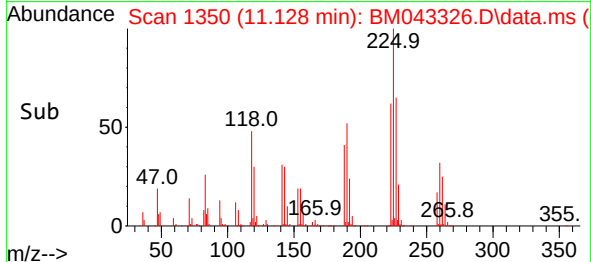
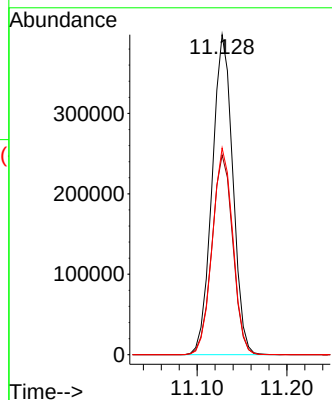
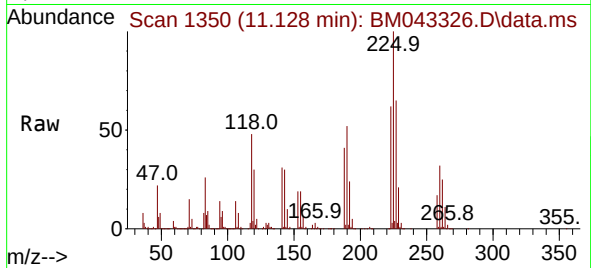




#33
Hexachlorobutadiene
Concen: 25.990 ng/ul
RT: 11.128 min Scan# 1350
Delta R.T. 0.000 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

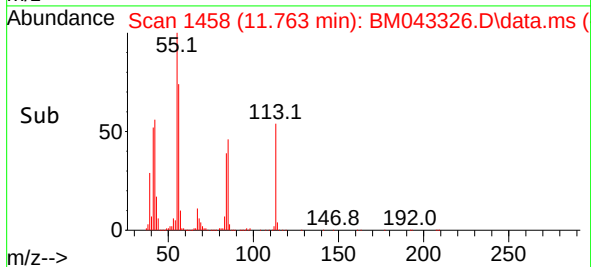
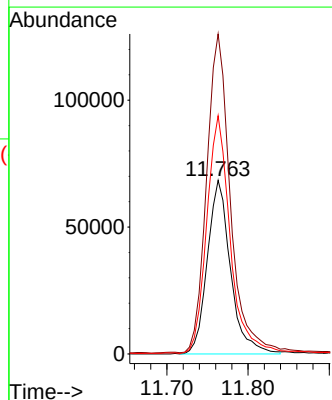
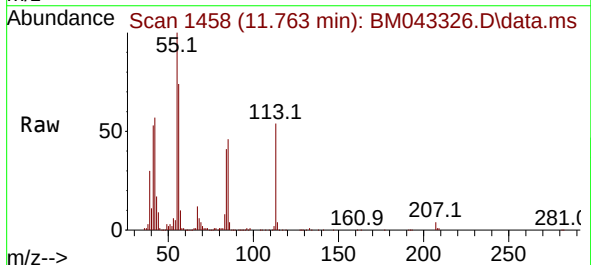
Instrument :
BNA_M
ClientSampleId :
YCH84MS

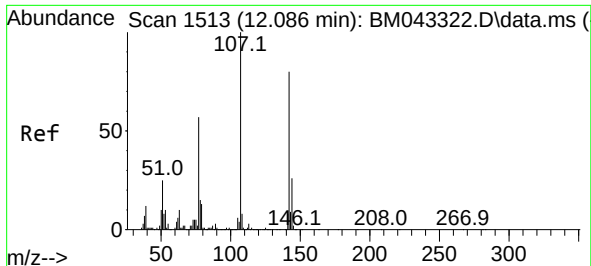
Tgt Ion:225 Resp: 636658
Ion Ratio Lower Upper
225 100
223 62.4 50.2 75.4
227 64.6 52.0 78.0



#34
Caprolactam
Concen: 11.612 ng/ul
RT: 11.763 min Scan# 1458
Delta R.T. 0.012 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

Tgt Ion:113 Resp: 135741
Ion Ratio Lower Upper
113 100
55 184.4 139.5 209.3
56 137.3 103.5 155.3

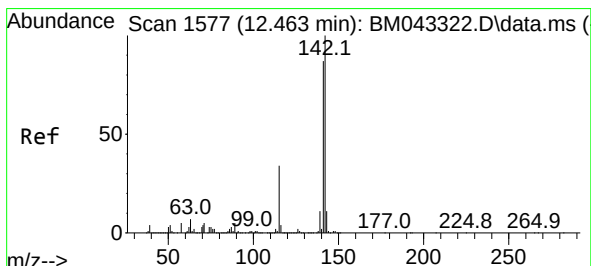
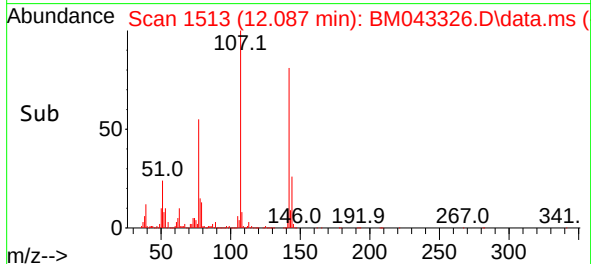
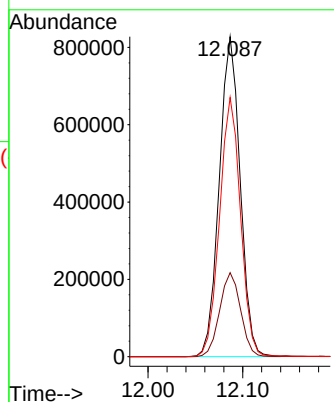
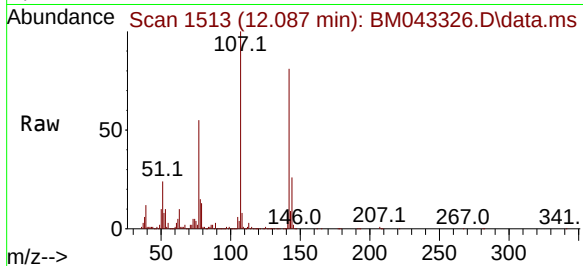




#35
4-Chloro-3-methylphenol
Concen: 30.782 ng/ul
RT: 12.087 min Scan# 1513
Delta R.T. 0.000 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

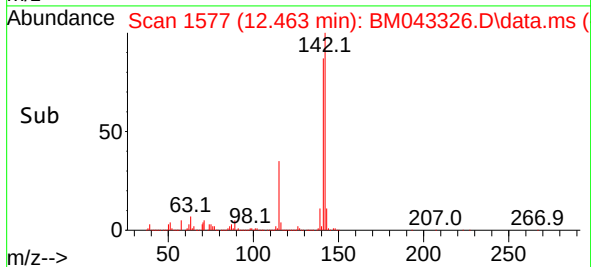
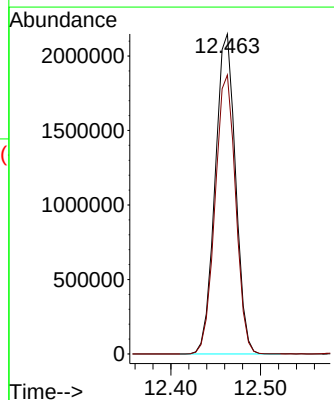
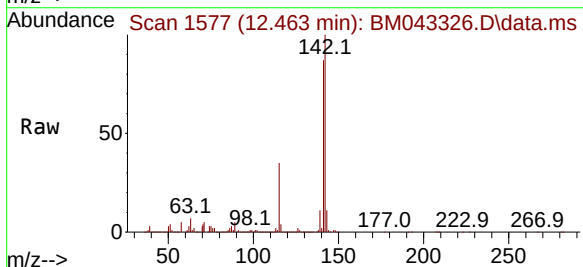
Instrument :
BNA_M
ClientSampleId :
YCH84MS

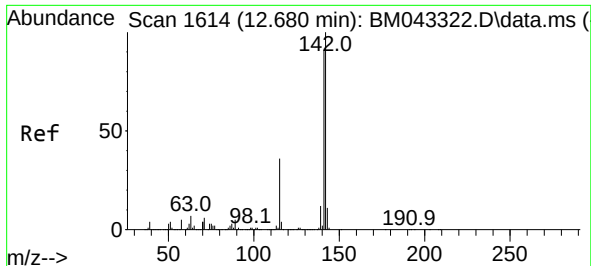
Tgt Ion:107 Resp: 1270684
Ion Ratio Lower Upper
107 100
144 26.2 22.0 33.0
142 81.0 67.3 100.9



#36
2-Methylnaphthalene
Concen: 34.752 ng/ul
RT: 12.463 min Scan# 1577
Delta R.T. 0.000 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

Tgt Ion:142 Resp: 3393084
Ion Ratio Lower Upper
142 100
141 87.2 70.0 105.0





#37

1-Methylnaphthalene

Concen: 33.806 ng/ul

RT: 12.681 min Scan# 1

Delta R.T. 0.006 min

Lab File: BM043326.D

Acq: 14 Dec 2023 06:35

Instrument :

BNA_M

ClientSampleId :

YCH84MS

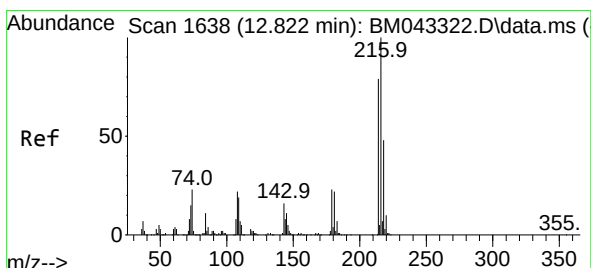
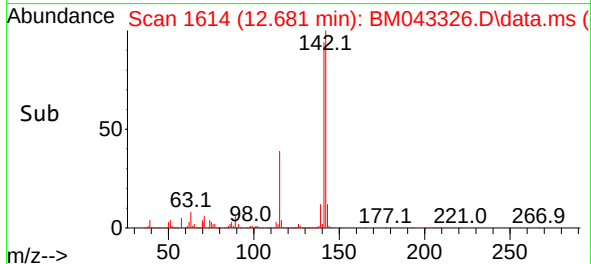
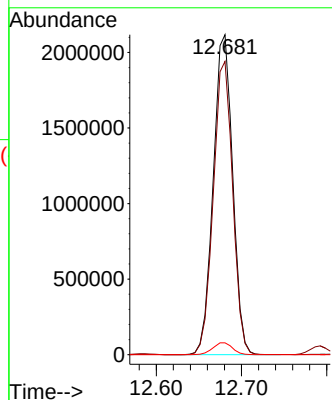
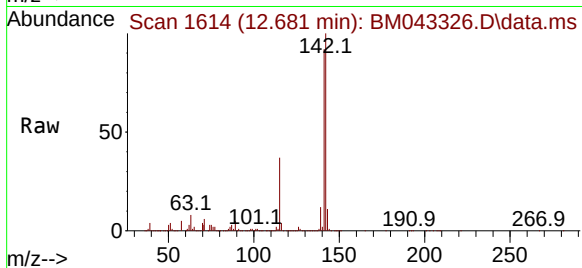
Tgt Ion:142 Resp: 3350237

Ion Ratio Lower Upper

142 100

141 91.7 71.9 107.9

116 3.7 2.8 4.2



#39

1,2,4,5-Tetrachlorobenzene

Concen: 33.140 ng/ul

RT: 12.822 min Scan# 1638

Delta R.T. 0.000 min

Lab File: BM043326.D

Acq: 14 Dec 2023 06:35

Tgt Ion:216 Resp: 1414523

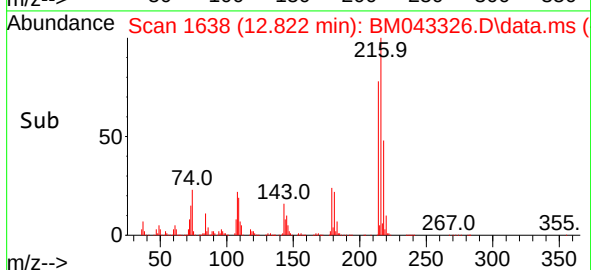
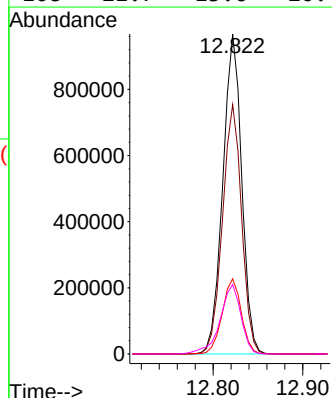
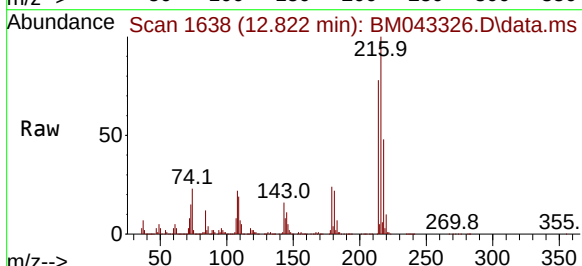
Ion Ratio Lower Upper

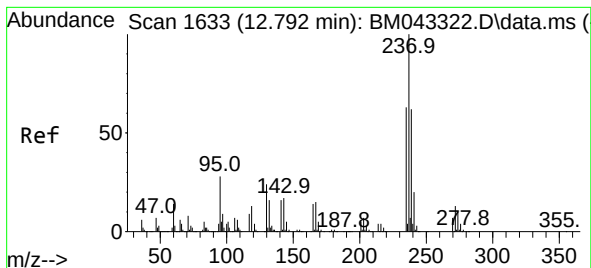
216 100

214 77.9 63.1 94.7

179 23.5 16.4 24.6

108 21.7 13.6 20.4#





#40

Hexachlorocyclopentadiene

Concen: 21.215 ng/ul

RT: 12.792 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM043326.D

Acq: 14 Dec 2023 06:35

Instrument :

BNA_M

ClientSampleId :

YCH84MS

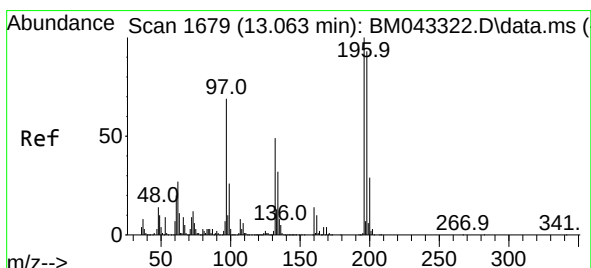
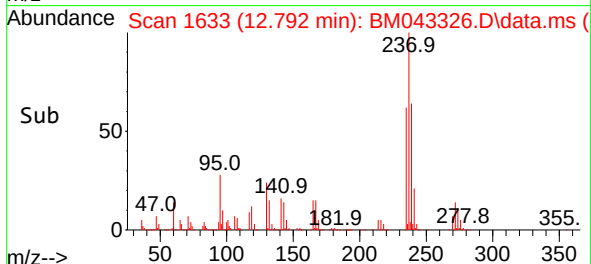
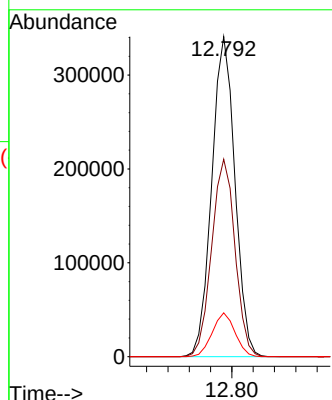
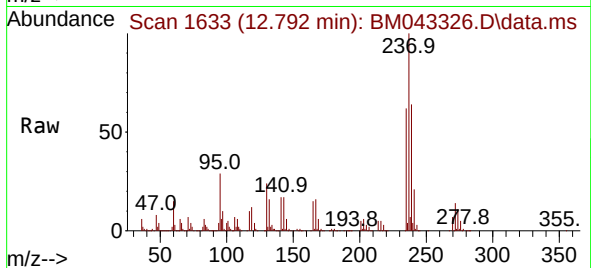
Tgt Ion:237 Resp: 513818

Ion Ratio Lower Upper

237 100

235 61.7 50.5 75.7

272 13.7 10.6 16.0



#41

2,4,6-Trichlorophenol

Concen: 36.825 ng/ul

RT: 13.063 min Scan# 1679

Delta R.T. 0.000 min

Lab File: BM043326.D

Acq: 14 Dec 2023 06:35

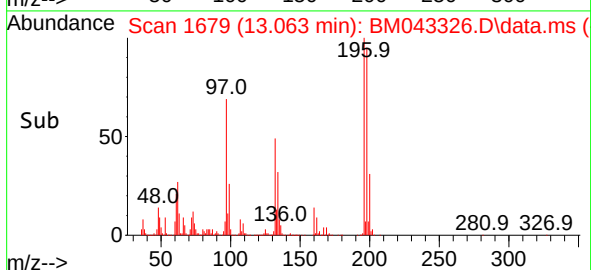
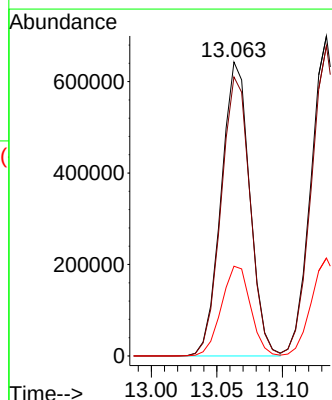
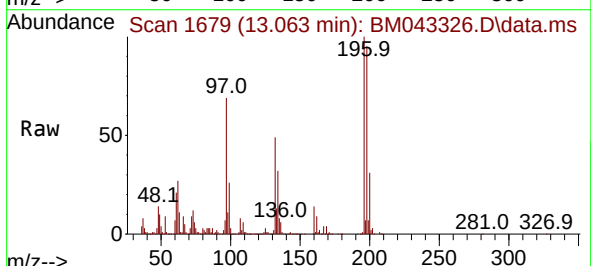
Tgt Ion:196 Resp: 978101

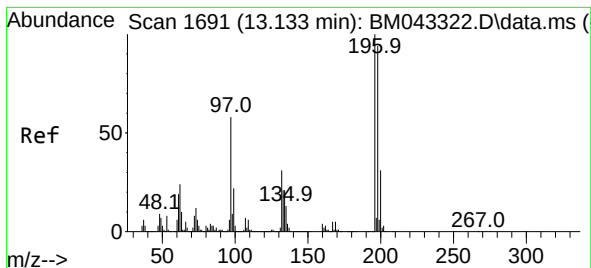
Ion Ratio Lower Upper

196 100

198 94.9 77.0 115.4

200 30.6 25.0 37.4





#42

2,4,5-Trichlorophenol

Concen: 36.461 ng/ul

RT: 13.134 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM043326.D

Acq: 14 Dec 2023 06:35

Instrument :

BNA_M

ClientSampleId :

YCH84MS

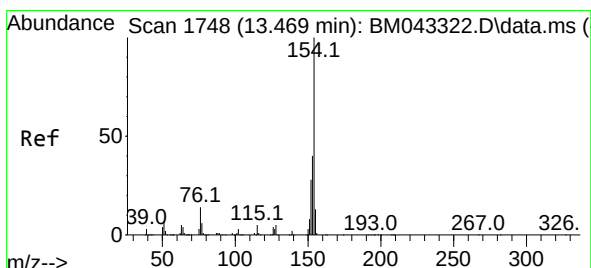
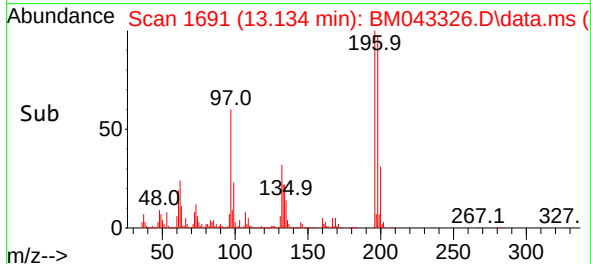
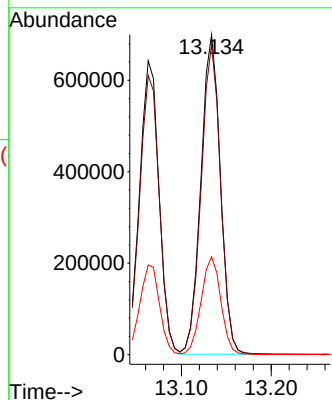
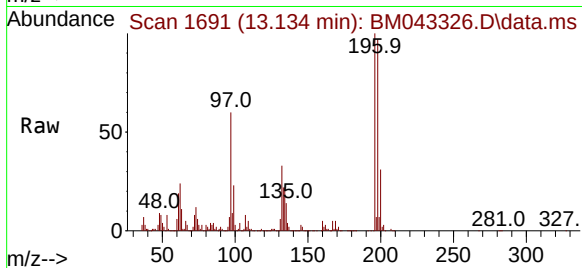
Tgt Ion:196 Resp: 1054012

Ion Ratio Lower Upper

196 100

198 96.9 76.1 114.1

200 30.6 24.6 36.8



#43

1,1'-Biphenyl

Concen: 39.251 ng/ul

RT: 13.469 min Scan# 1748

Delta R.T. 0.000 min

Lab File: BM043326.D

Acq: 14 Dec 2023 06:35

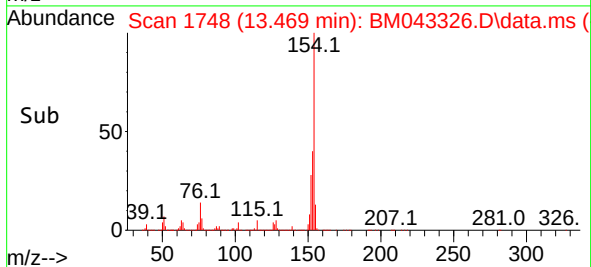
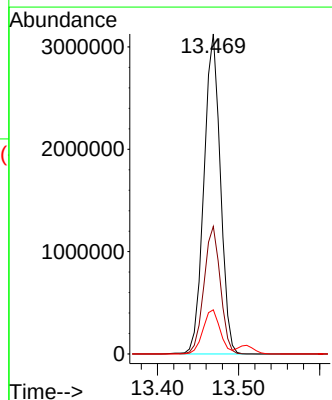
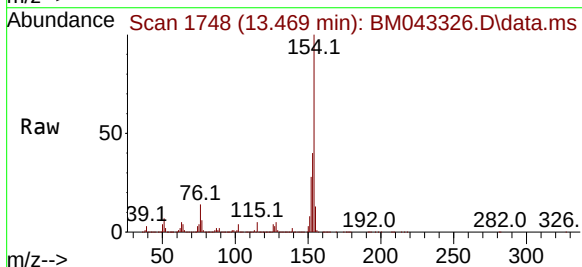
Tgt Ion:154 Resp: 4380698

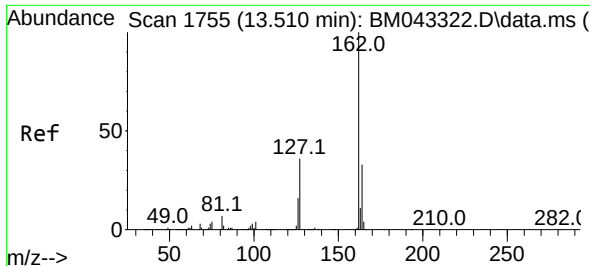
Ion Ratio Lower Upper

154 100

153 39.8 31.8 47.6

76 13.8 9.3 13.9

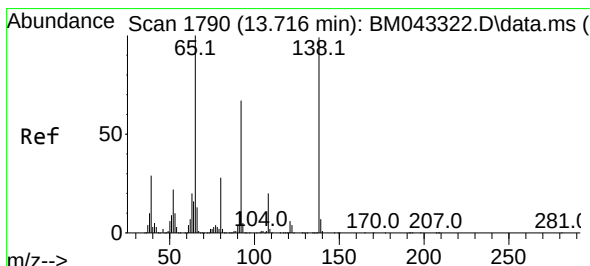
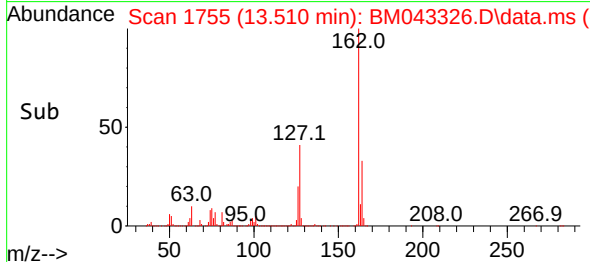
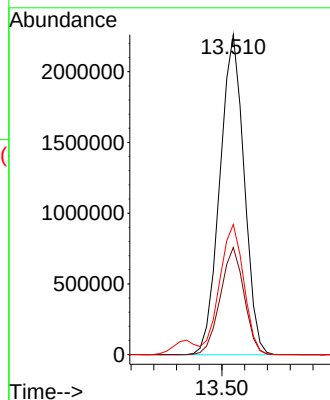
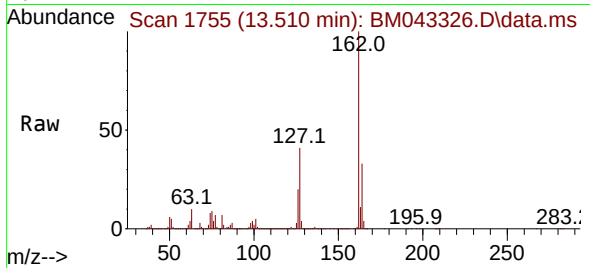




#44
2-Chloronaphthalene
Concen: 38.786 ng/ul
RT: 13.510 min Scan# 1755
Delta R.T. 0.000 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

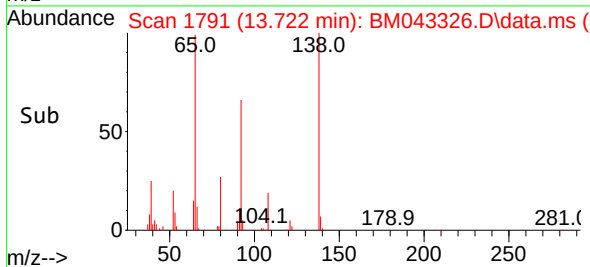
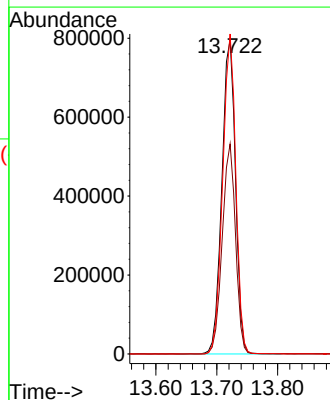
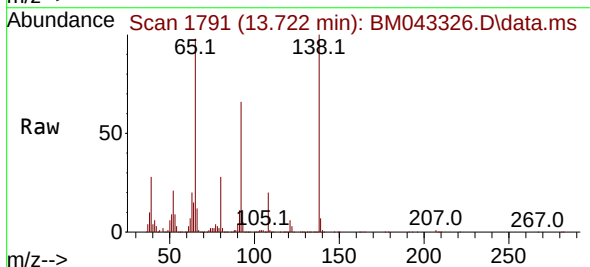
Instrument :
BNA_M
ClientSampleId :
YCH84MS

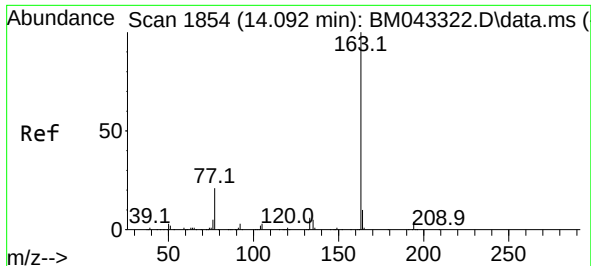
Tgt Ion:162 Resp: 3355458
Ion Ratio Lower Upper
162 100
164 33.5 26.4 39.6
127 40.7 30.0 45.0



#45
2-Nitroaniline
Concen: 53.896 ng/ul
RT: 13.722 min Scan# 1791
Delta R.T. 0.006 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

Tgt Ion: 65 Resp: 1232129
Ion Ratio Lower Upper
65 100
92 66.8 53.4 80.0
138 101.7 86.2 129.2

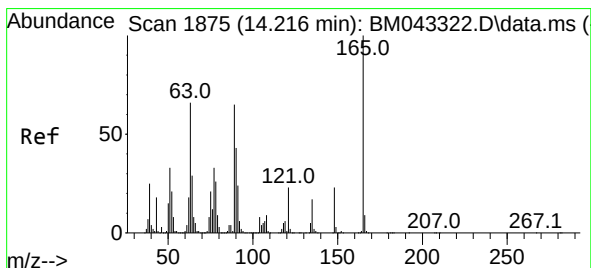
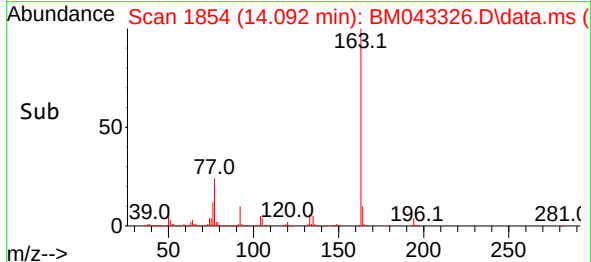
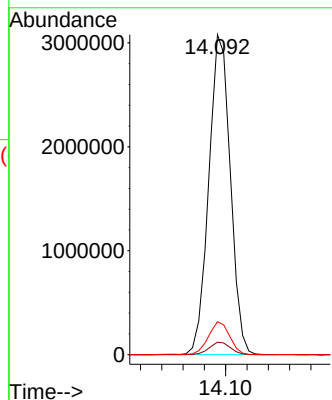
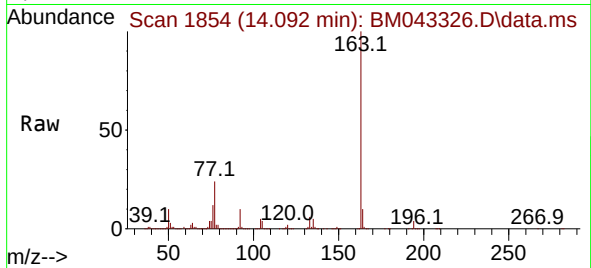




#47
Dimethylphthalate
Concen: 39.777 ng/ul
RT: 14.092 min Scan# 1854
Delta R.T. 0.000 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

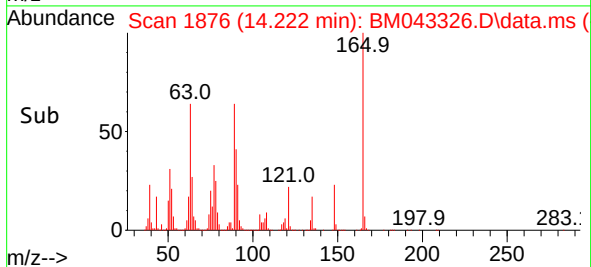
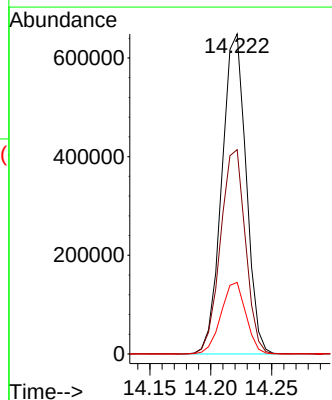
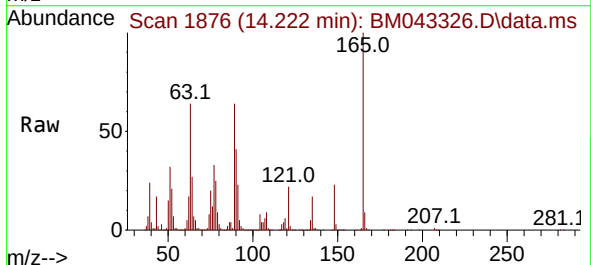
Instrument :
BNA_M
ClientSampleId :
YCH84MS

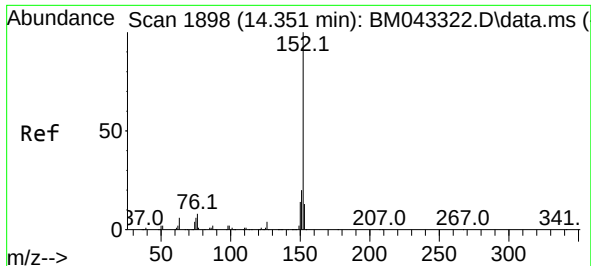
Tgt Ion:163 Resp: 4314656
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 10.3 7.9 11.9



#48
2,6-Dinitrotoluene
Concen: 45.086 ng/ul
RT: 14.222 min Scan# 1876
Delta R.T. 0.006 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

Tgt Ion:165 Resp: 901027
Ion Ratio Lower Upper
165 100
89 63.9 47.5 71.3
121 22.4 17.1 25.7

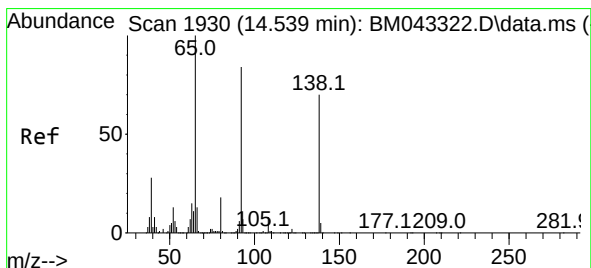
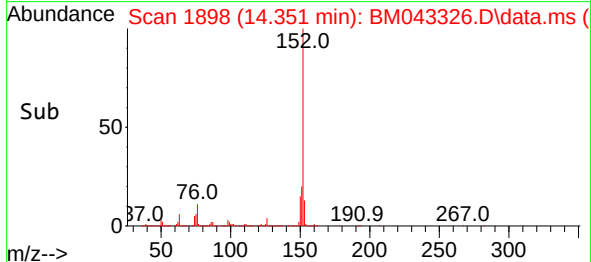
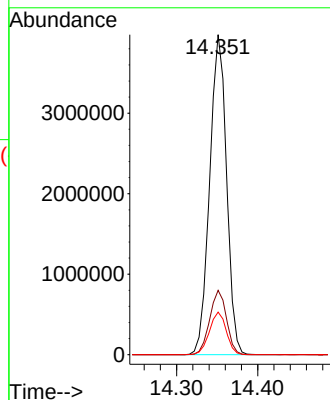
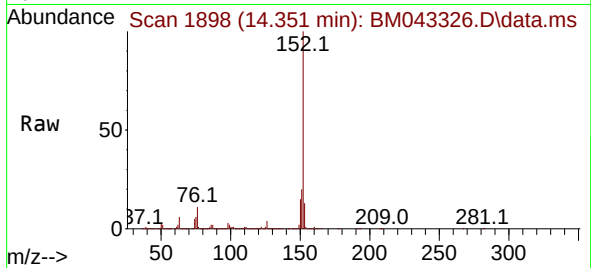




#50
Acenaphthylene
Concen: 39.634 ng/ul
RT: 14.351 min Scan# 1898
Delta R.T. 0.000 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

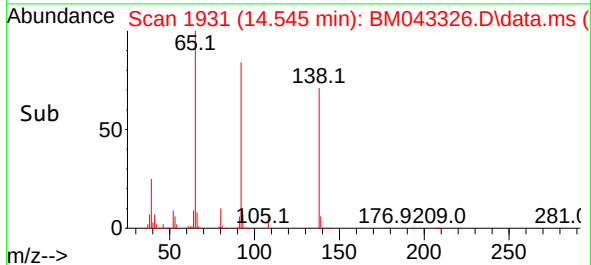
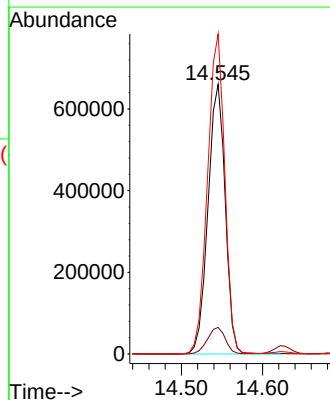
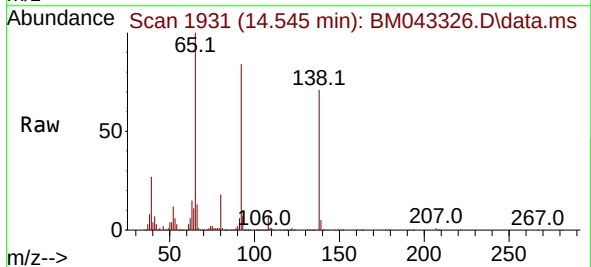
Instrument :
BNA_M
ClientSampleId :
YCH84MS

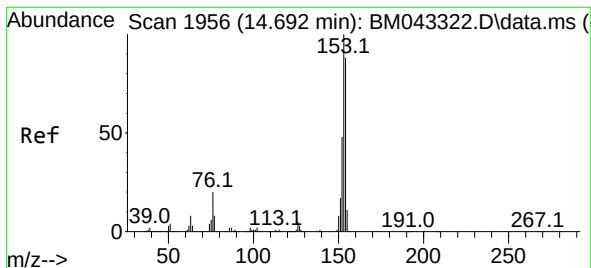
Tgt Ion:152 Resp: 5731393
Ion Ratio Lower Upper
152 100
151 20.1 16.0 24.0
153 13.3 10.3 15.5



#51
3-Nitroaniline
Concen: 43.794 ng/ul
RT: 14.545 min Scan# 1931
Delta R.T. 0.006 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

Tgt Ion:138 Resp: 970961
Ion Ratio Lower Upper
138 100
108 9.9 9.4 14.0
92 118.7 87.9 131.9





#52

Acenaphthene

Concen: 39.788 ng/ul

RT: 14.692 min Scan# 1956

Delta R.T. 0.006 min

Lab File: BM043326.D

Acq: 14 Dec 2023 06:35

Instrument :

BNA_M

ClientSampleId :

YCH84MS

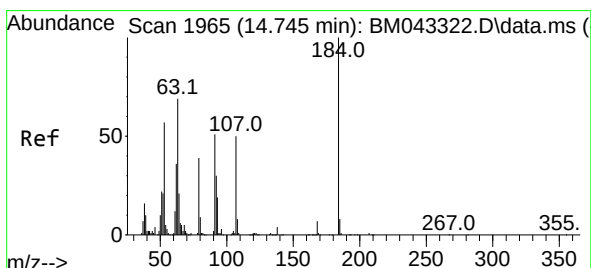
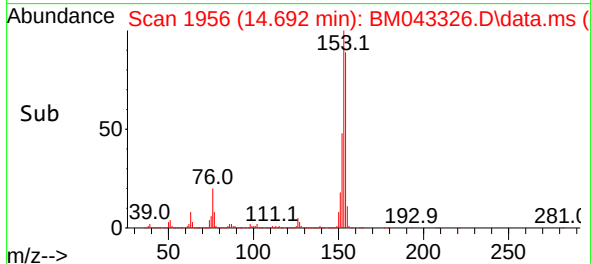
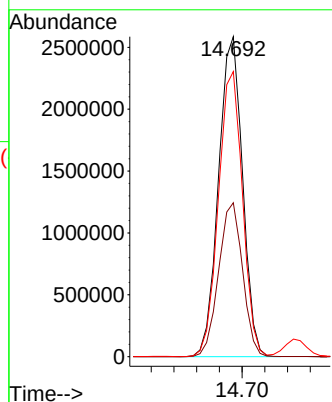
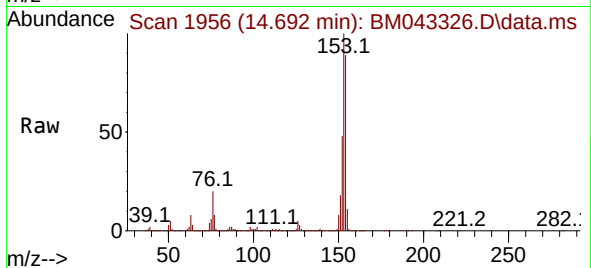
Tgt Ion:153 Resp: 3795208

Ion Ratio Lower Upper

153 100

152 48.1 38.6 58.0

154 89.1 71.6 107.4



#53

2,4-Dinitrophenol

Concen: 31.812 ng/ul

RT: 14.745 min Scan# 1965

Delta R.T. 0.006 min

Lab File: BM043326.D

Acq: 14 Dec 2023 06:35

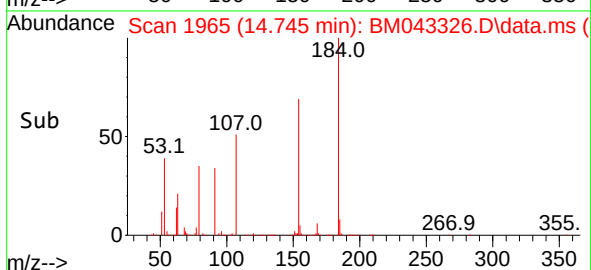
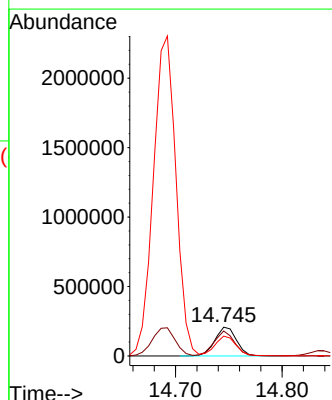
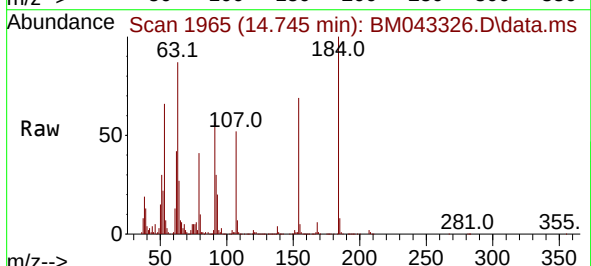
Tgt Ion:184 Resp: 291864

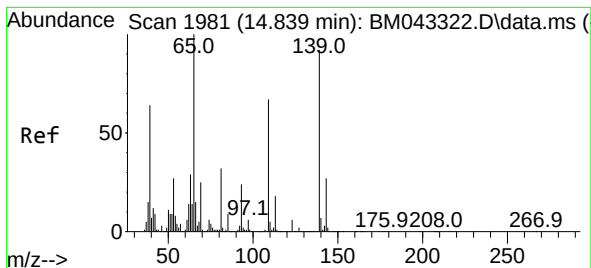
Ion Ratio Lower Upper

184 100

63 86.7 52.2 78.4#

154 69.0 47.8 71.8

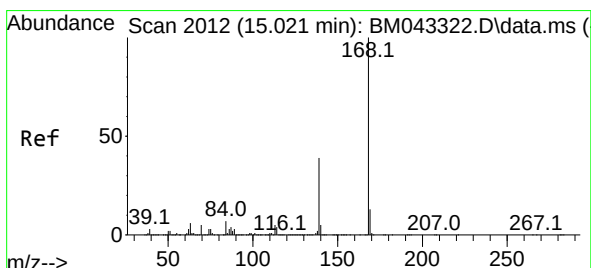
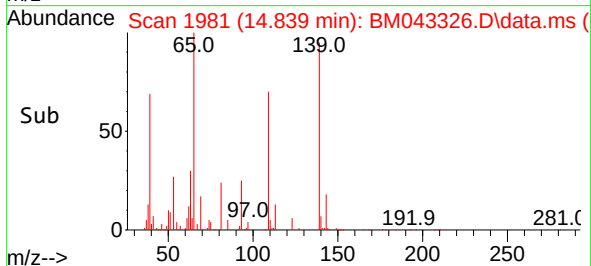
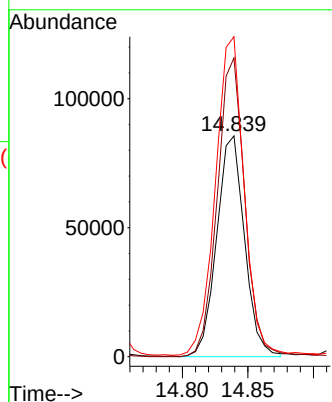
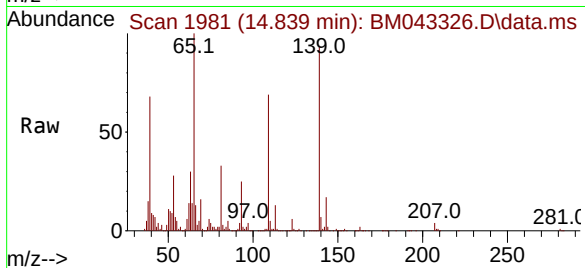




#55
4-Nitrophenol
Concen: 8.804 ng/ul
RT: 14.839 min Scan# 1981
Delta R.T. 0.000 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

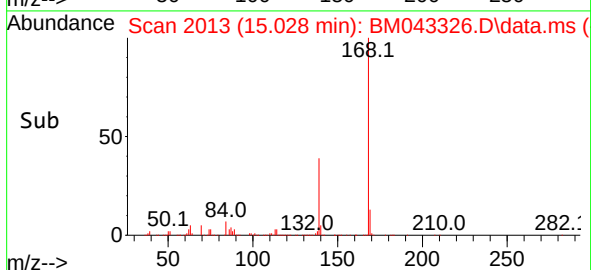
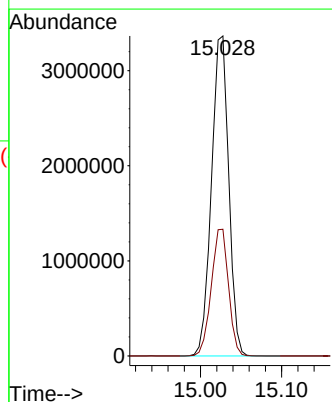
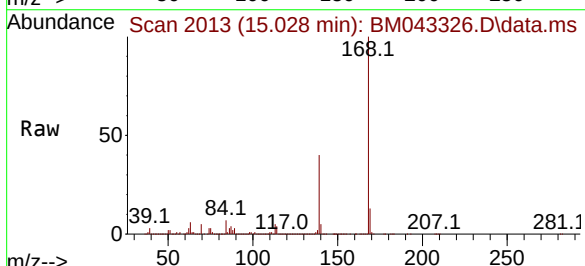
Instrument :
BNA_M
ClientSampleId :
YCH84MS

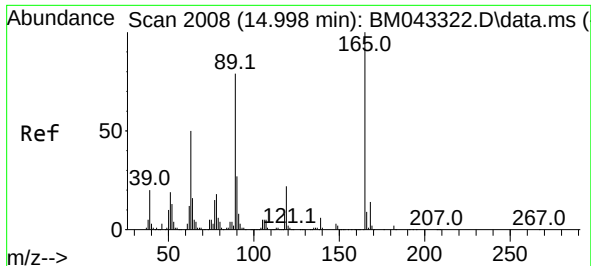
Tgt Ion:109 Resp: 126152
Ion Ratio Lower Upper
109 100
139 135.4 114.7 172.1
65 145.0 109.5 164.3



#56
Dibenzofuran
Concen: 38.048 ng/ul
RT: 15.028 min Scan# 2013
Delta R.T. 0.006 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

Tgt Ion:168 Resp: 4957526
Ion Ratio Lower Upper
168 100
139 39.6 28.6 43.0

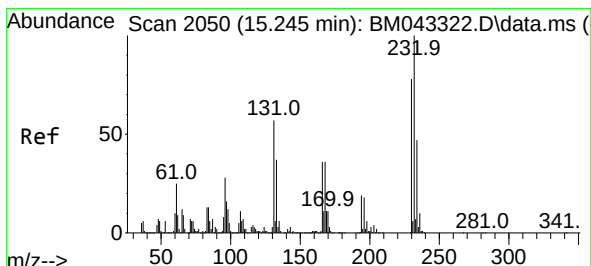
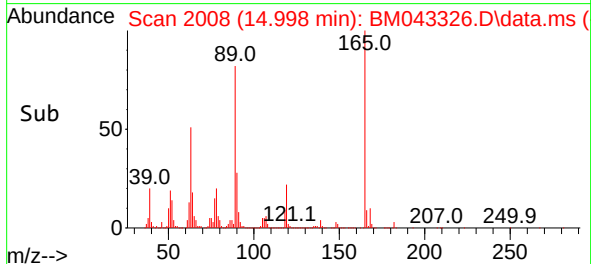
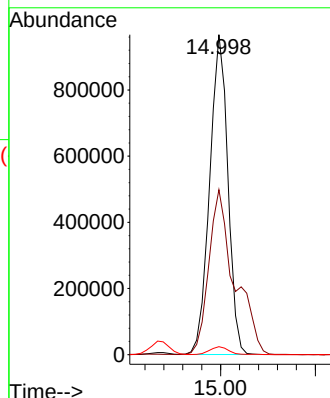
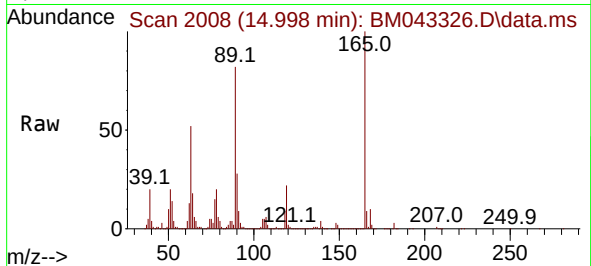




#57
2,4-Dinitrotoluene
Concen: 45.270 ng/ul
RT: 14.998 min Scan# 2008
Delta R.T. 0.006 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

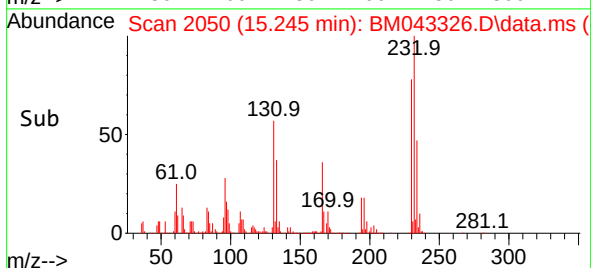
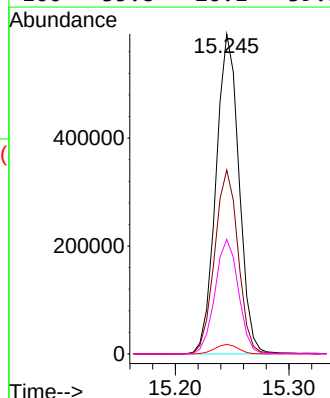
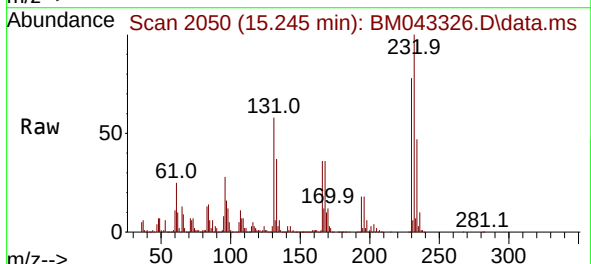
Instrument :
BNA_M
ClientSampleId :
YCH84MS

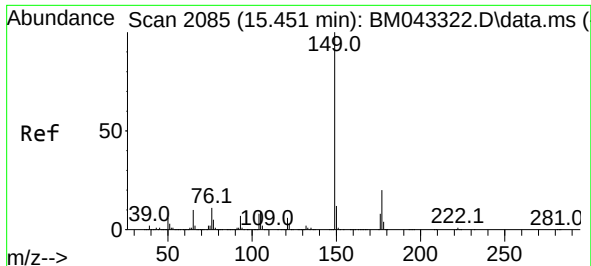
Tgt Ion:165 Resp: 1291749
Ion Ratio Lower Upper
165 100
63 51.6 34.6 52.0
182 2.5 2.1 3.1



#58
2,3,4,6-Tetrachlorophenol
Concen: 34.840 ng/ul
RT: 15.245 min Scan# 2050
Delta R.T. 0.000 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

Tgt Ion:232 Resp: 837153
Ion Ratio Lower Upper
232 100
131 57.5 37.0 55.4#
130 3.0 1.9 2.9#
166 35.8 26.1 39.1

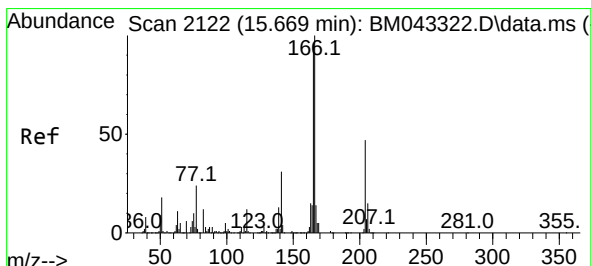
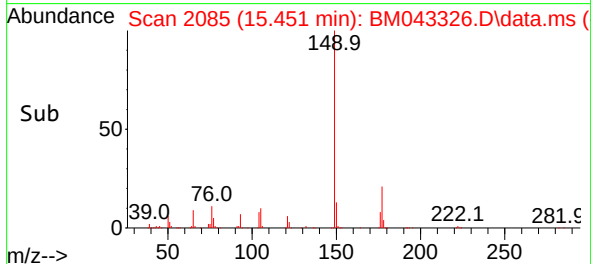
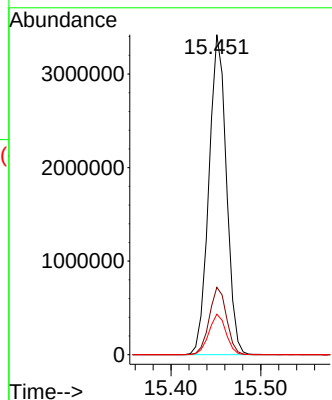
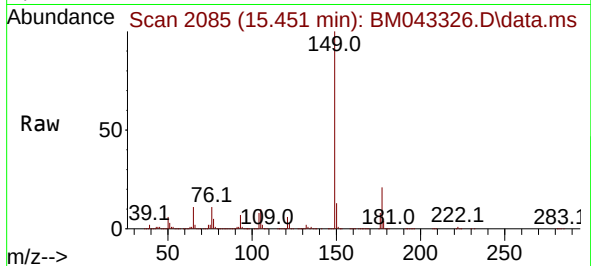




#59
Diethylphthalate
Concen: 42.431 ng/ul
RT: 15.451 min Scan# 2085
Delta R.T. 0.000 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

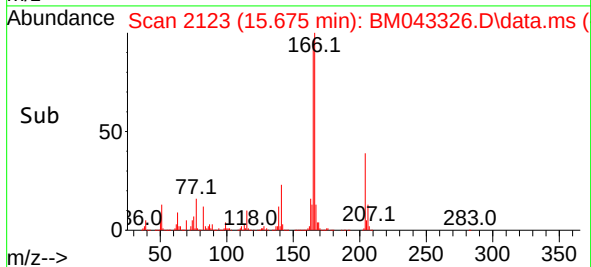
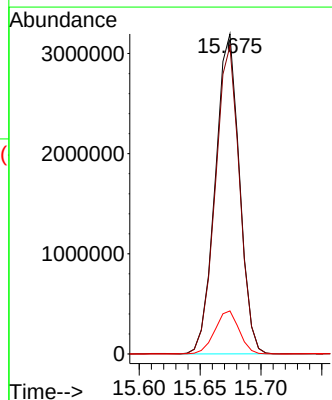
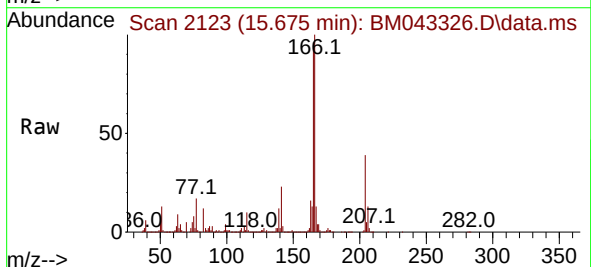
Instrument :
BNA_M
ClientSampleId :
YCH84MS

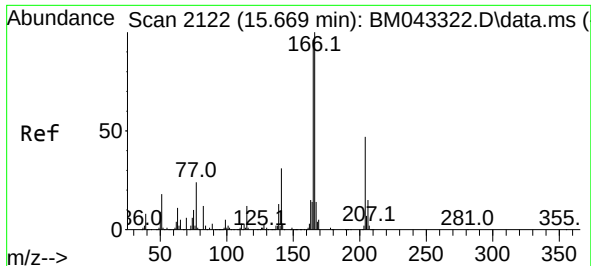
Tgt Ion:149 Resp: 4629557
Ion Ratio Lower Upper
149 100
177 21.1 18.2 27.2
150 12.7 10.0 15.0



#61
Fluorene
Concen: 39.054 ng/ul
RT: 15.675 min Scan# 2123
Delta R.T. 0.006 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

Tgt Ion:166 Resp: 4404905
Ion Ratio Lower Upper
166 100
165 96.3 77.5 116.3
167 13.5 10.7 16.1

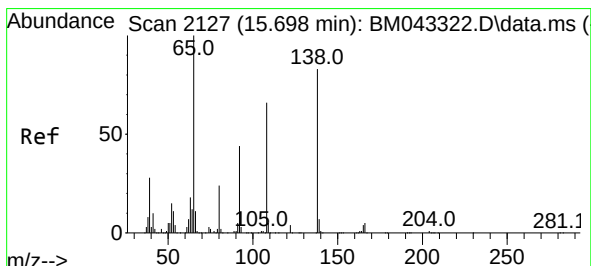
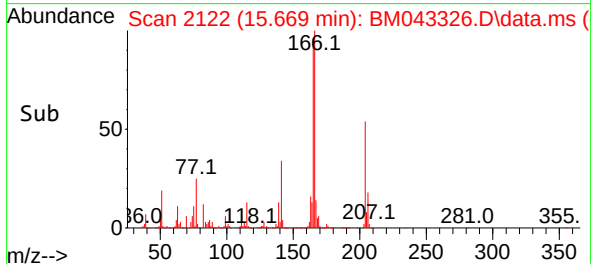
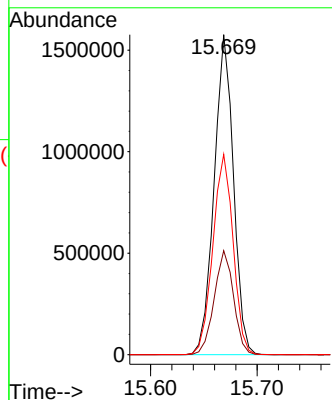
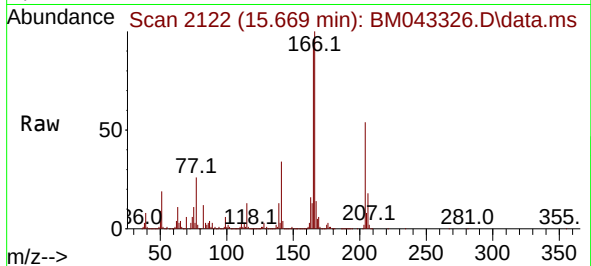




#62
4-Chlorophenyl-phenylether
Concen: 35.568 ng/ul
RT: 15.669 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

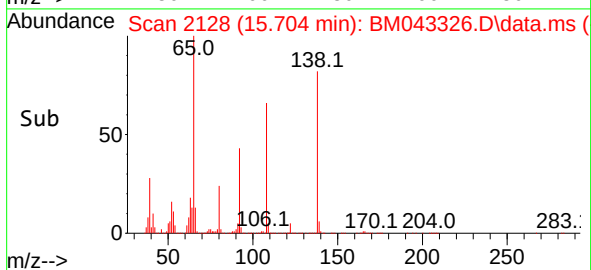
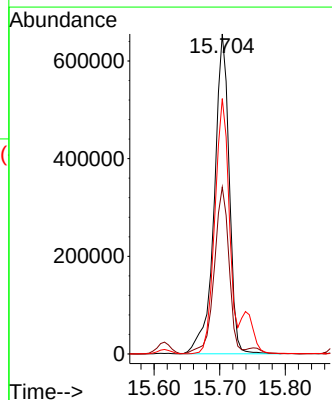
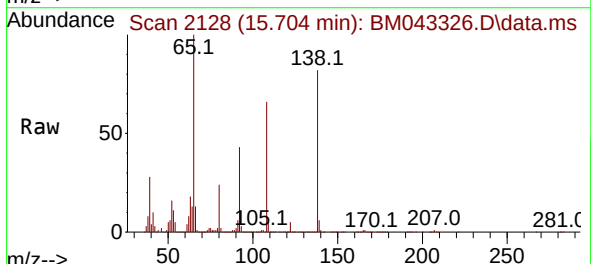
Instrument :
BNA_M
ClientSampleId :
YCH84MS

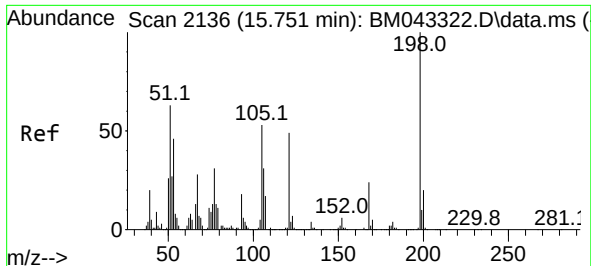
Tgt Ion:204 Resp: 1981981
Ion Ratio Lower Upper
204 100
206 32.5 26.2 39.2
141 62.6 44.2 66.4



#63
4-Nitroaniline
Concen: 46.613 ng/ul
RT: 15.704 min Scan# 2128
Delta R.T. 0.006 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

Tgt Ion:138 Resp: 1038391
Ion Ratio Lower Upper
138 100
92 52.1 40.1 60.1
108 79.8 63.0 94.6

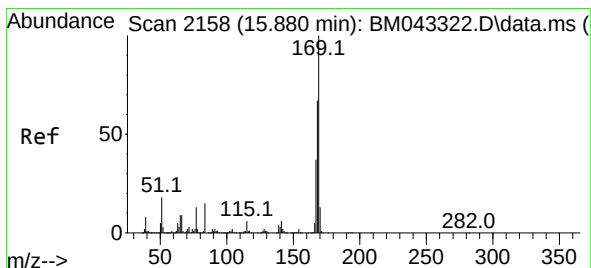
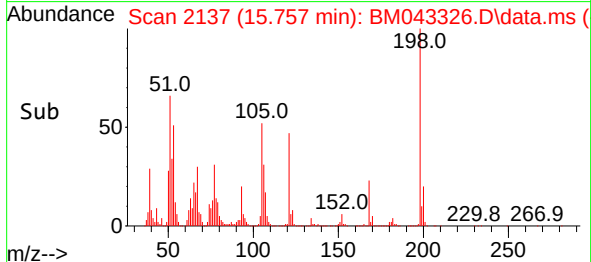
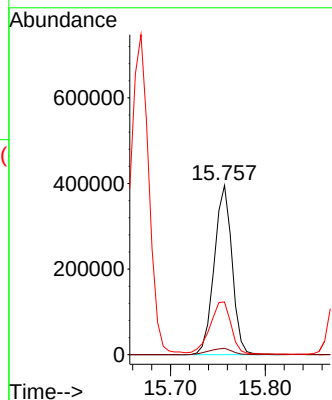
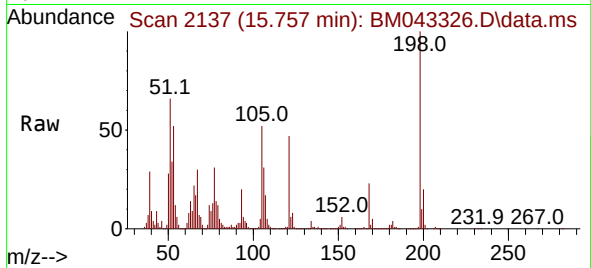




#66
 4,6-Dinitro-2-methylphenol
 Concen: 35.504 ng/ul
 RT: 15.757 min Scan# 2136
 Delta R.T. 0.012 min
 Lab File: BM043326.D
 Acq: 14 Dec 2023 06:35

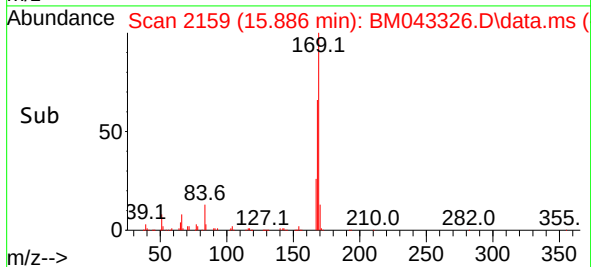
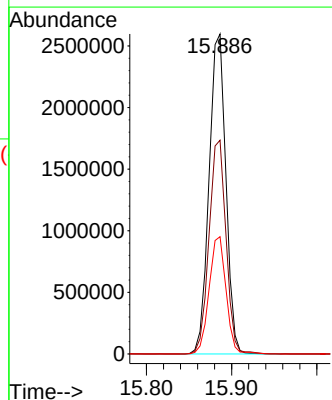
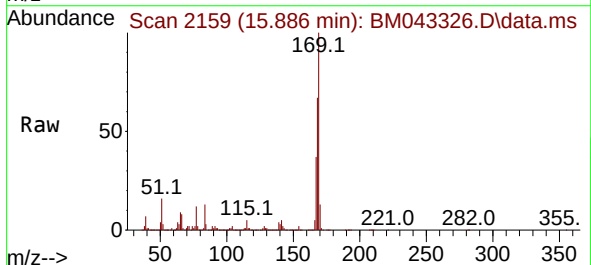
Instrument :
 BNA_M
 ClientSampleId :
 YCH84MS

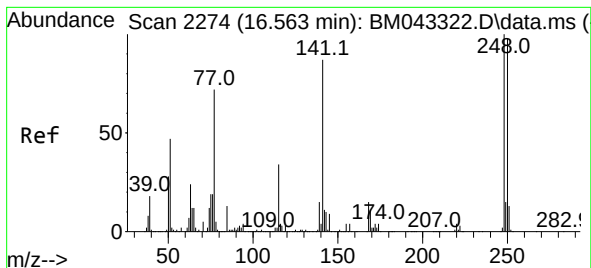
Tgt Ion:198 Resp: 516977
 Ion Ratio Lower Upper
 198 100
 182 3.8 3.2 4.8
 77 31.0 20.1 30.1#



#67
 N-Nitrosodiphenylamine
 Concen: 43.760 ng/ul
 RT: 15.886 min Scan# 2159
 Delta R.T. 0.006 min
 Lab File: BM043326.D
 Acq: 14 Dec 2023 06:35

Tgt Ion:169 Resp: 3550660
 Ion Ratio Lower Upper
 169 100
 168 66.8 53.4 80.2
 167 36.7 29.4 44.0

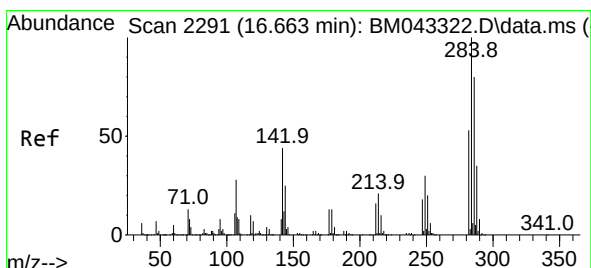
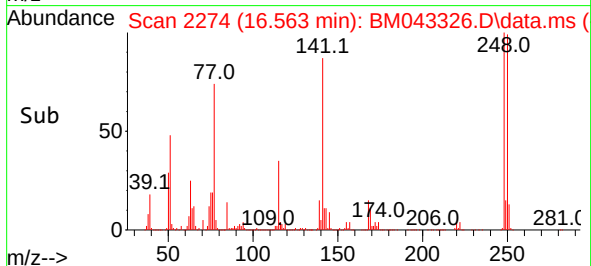
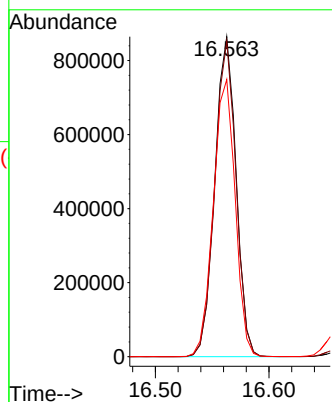
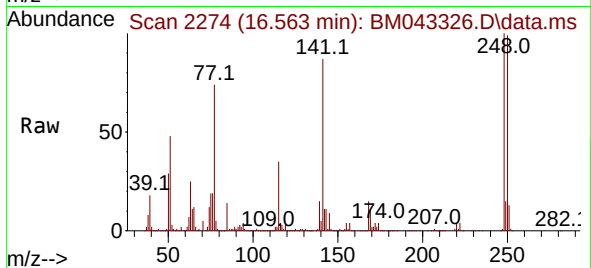




#68
4-Bromophenyl-phenylether
Concen: 38.654 ng/ul
RT: 16.563 min Scan# 211
Delta R.T. 0.000 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

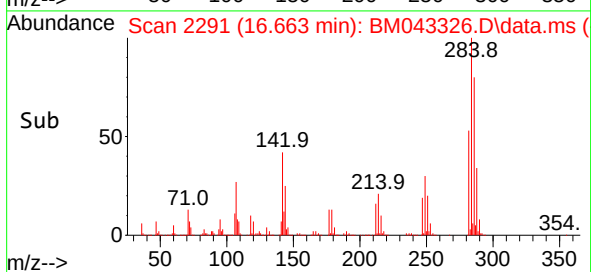
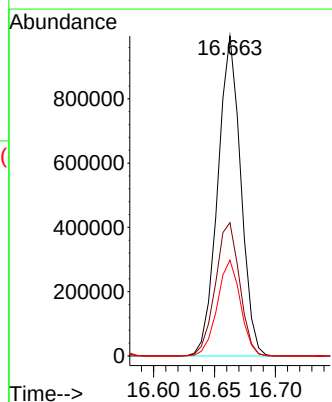
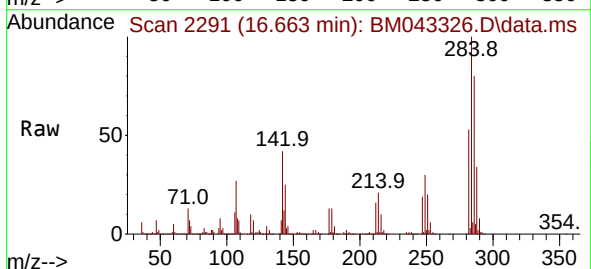
Instrument :
BNA_M
ClientSampleId :
YCH84MS

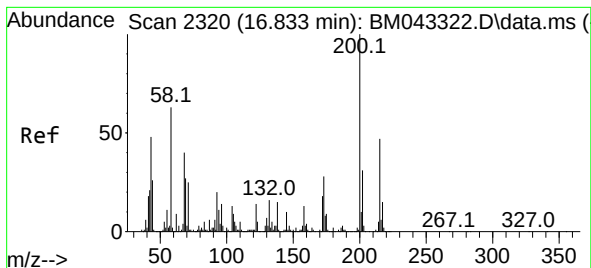
Tgt Ion:248 Resp: 1130989
Ion Ratio Lower Upper
248 100
250 98.6 78.9 118.3
141 86.6 60.2 90.2



#69
Hexachlorobenzene
Concen: 37.752 ng/ul
RT: 16.663 min Scan# 2291
Delta R.T. 0.006 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

Tgt Ion:284 Resp: 1310650
Ion Ratio Lower Upper
284 100
142 41.7 26.7 40.1#
249 30.0 24.0 36.0





#70

Atrazine

Concen: 35.283 ng/ul

RT: 16.839 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM043326.D

Acq: 14 Dec 2023 06:35

Instrument :

BNA_M

ClientSampleId :

YCH84MS

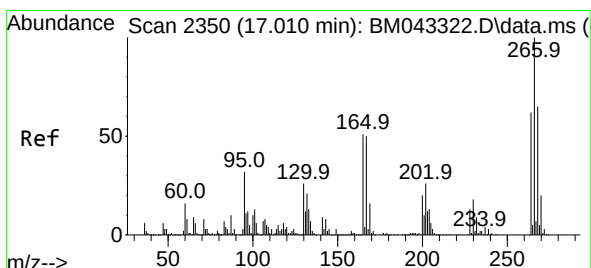
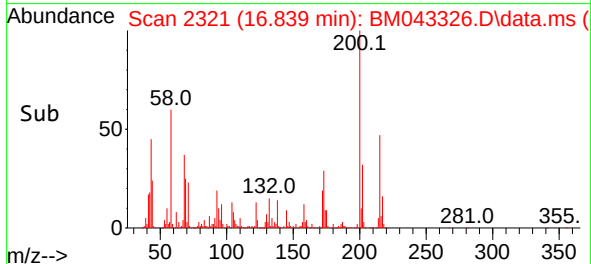
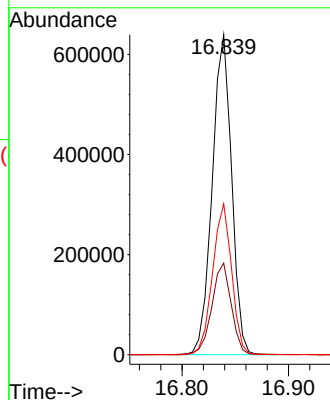
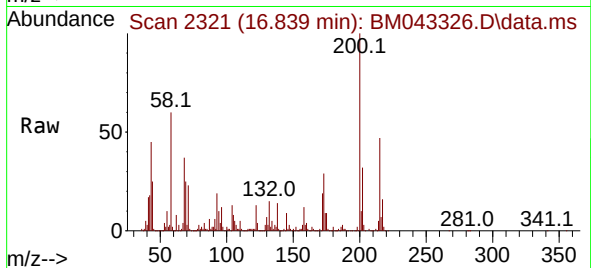
Tgt Ion:200 Resp: 807335

Ion Ratio Lower Upper

200 100

173 28.6 20.6 30.8

215 47.1 39.4 59.2



#71

Pentachlorophenol

Concen: 34.162 ng/ul

RT: 17.010 min Scan# 2350

Delta R.T. 0.000 min

Lab File: BM043326.D

Acq: 14 Dec 2023 06:35

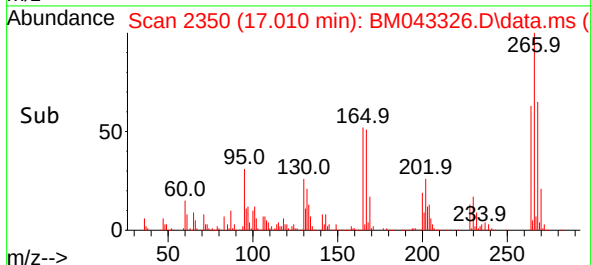
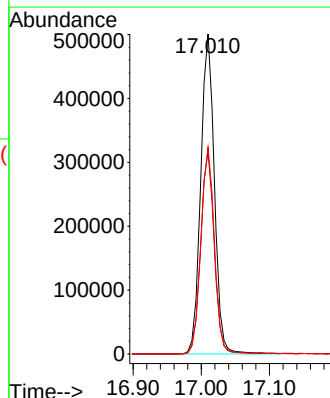
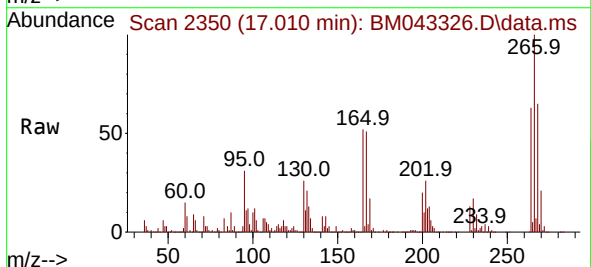
Tgt Ion:266 Resp: 698343

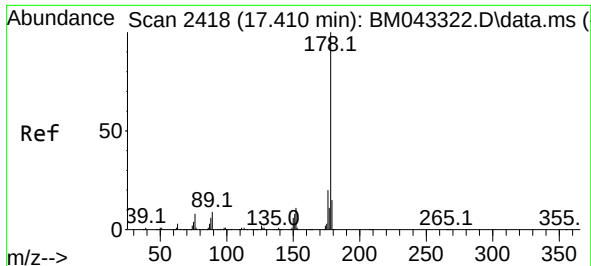
Ion Ratio Lower Upper

266 100

264 63.2 50.5 75.7

268 64.6 50.4 75.6

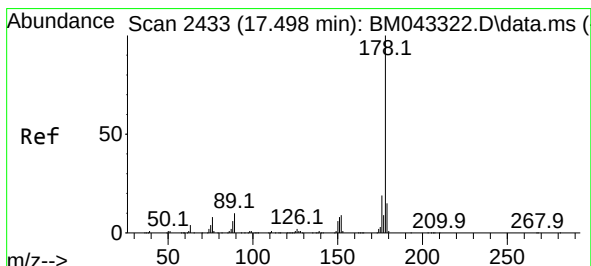
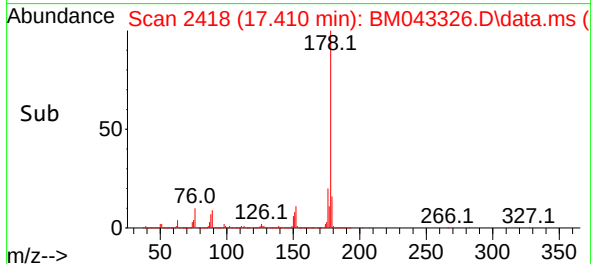
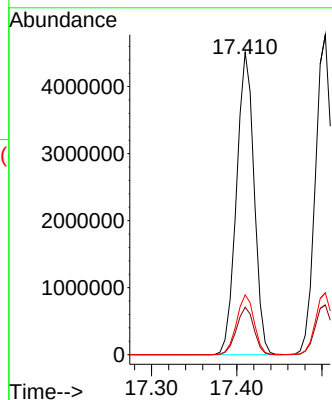
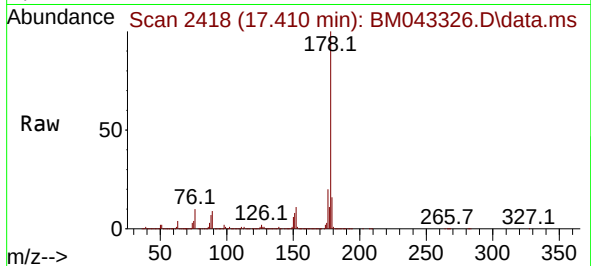




#72
Phenanthrene
Concen: 42.820 ng/u1
RT: 17.410 min Scan# 2418
Delta R.T. 0.000 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

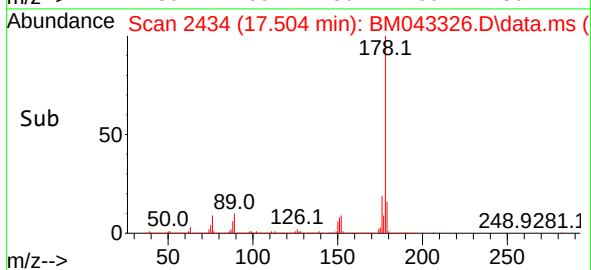
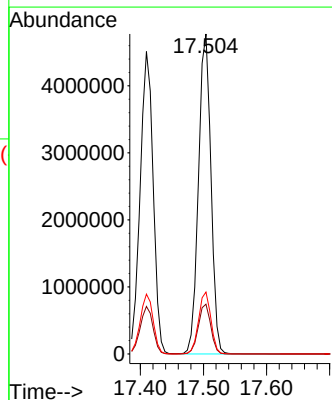
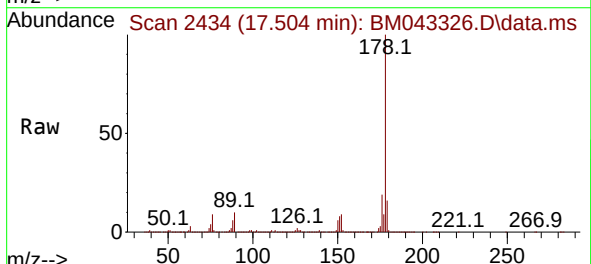
Instrument :
BNA_M
ClientSampleId :
YCH84MS

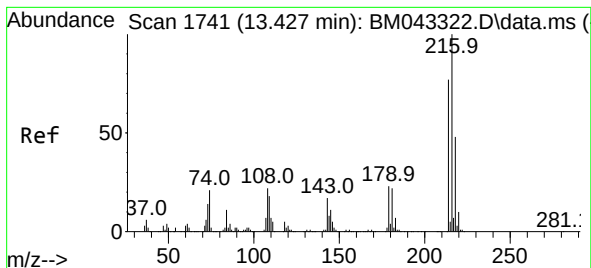
Tgt Ion:178 Resp: 6460647
Ion Ratio Lower Upper
178 100
179 15.7 12.2 18.2
176 19.8 15.7 23.5



#74
Anthracene
Concen: 42.955 ng/u1
RT: 17.504 min Scan# 2434
Delta R.T. 0.006 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

Tgt Ion:178 Resp: 6528547
Ion Ratio Lower Upper
178 100
179 15.6 12.1 18.1
176 19.4 15.1 22.7





#75

1,2,3,4-Tetrachlorobenzene

Concen: 37.817 ng/uL

RT: 13.428 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM043326.D

Acq: 14 Dec 2023 06:35

Instrument :

BNA_M

ClientSampleId :

YCH84MS

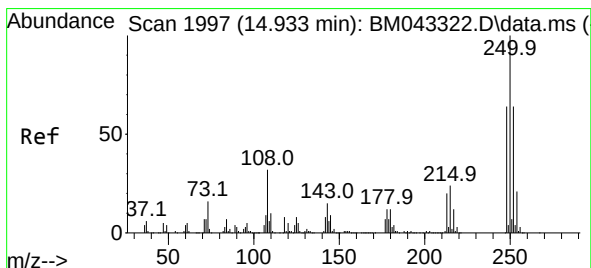
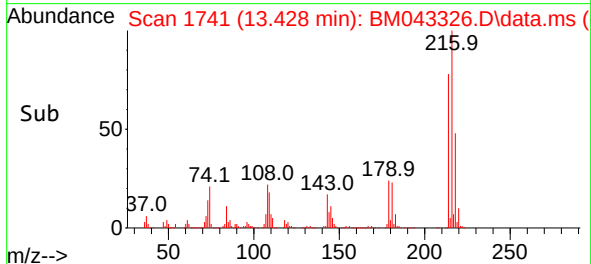
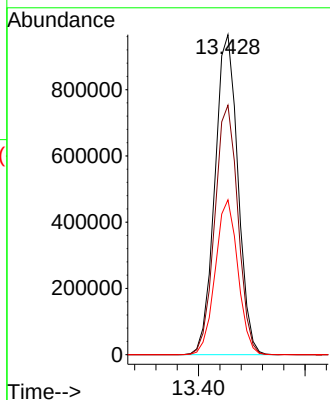
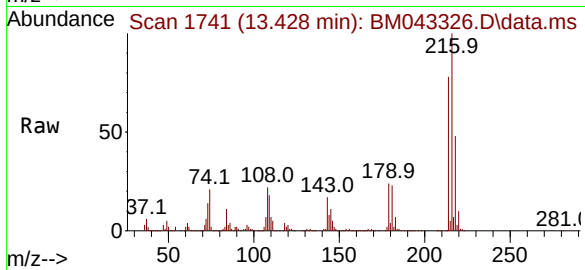
Tgt Ion:216 Resp: 1447583

Ion Ratio Lower Upper

216 100

214 78.0 62.2 93.2

218 48.4 37.6 56.4



#76

Pentachlorobenzene

Concen: 37.975 ng/uL

RT: 14.939 min Scan# 1998

Delta R.T. 0.006 min

Lab File: BM043326.D

Acq: 14 Dec 2023 06:35

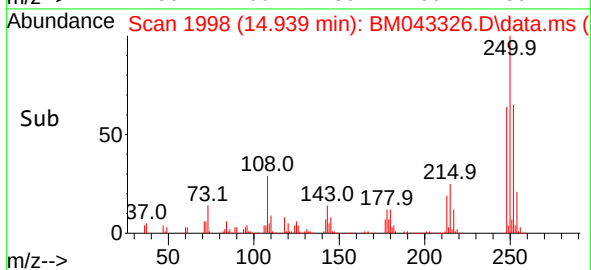
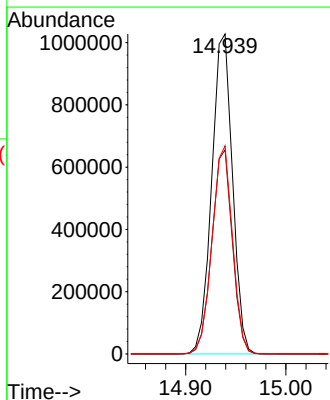
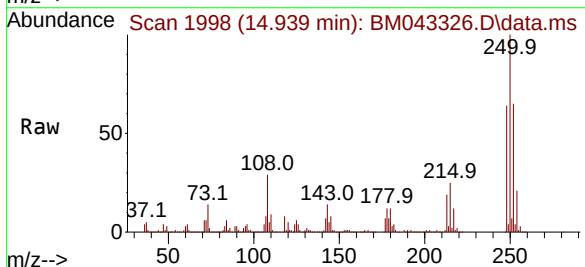
Tgt Ion:250 Resp: 1477242

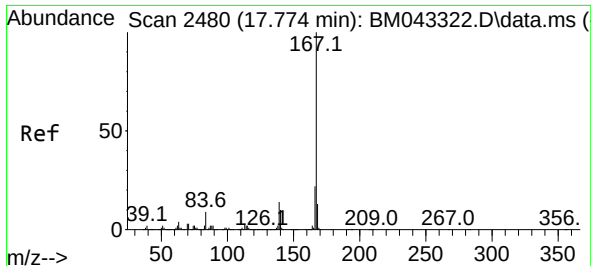
Ion Ratio Lower Upper

250 100

248 63.8 51.8 77.8

252 65.1 51.9 77.9

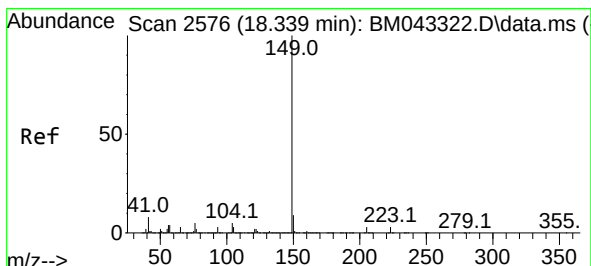
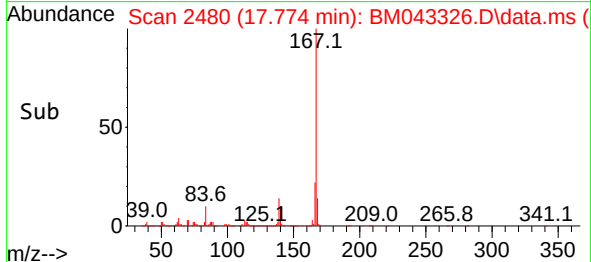
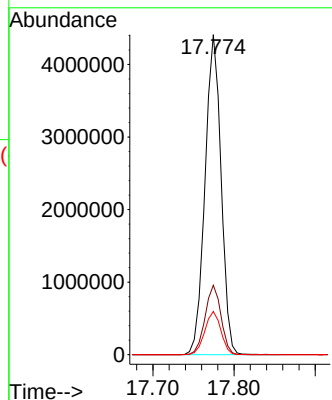
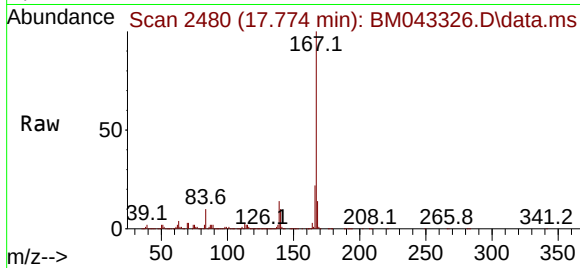




#77
 Carbazole
 Concen: 48.356 ng/ul
 RT: 17.774 min Scan# 2480
 Delta R.T. 0.000 min
 Lab File: BM043326.D
 Acq: 14 Dec 2023 06:35

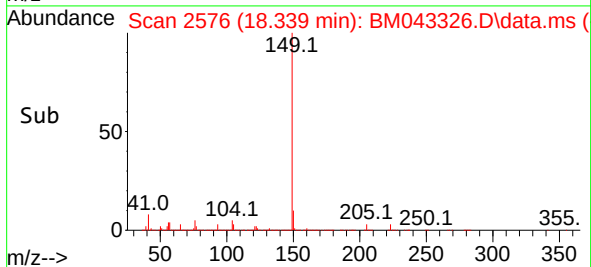
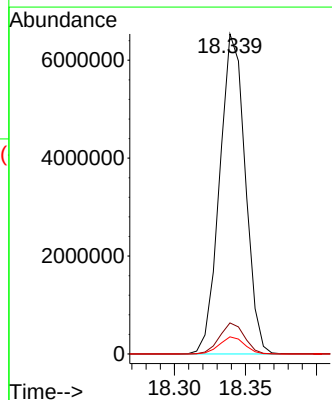
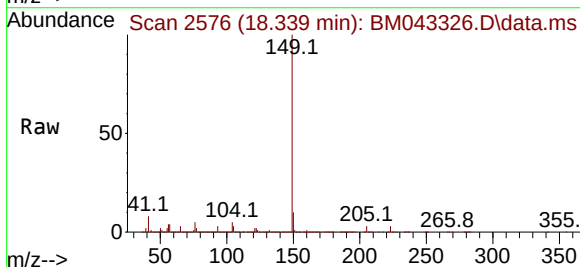
Instrument :
 BNA_M
 ClientSampleId :
 YCH84MS

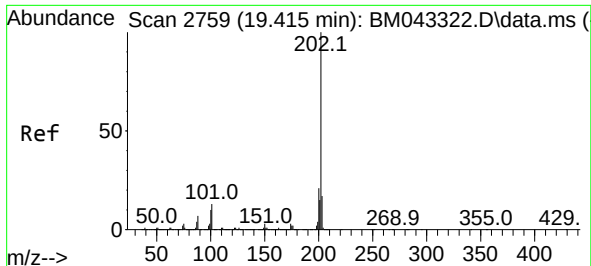
Tgt Ion:167 Resp: 6037041
 Ion Ratio Lower Upper
 167 100
 166 21.7 17.1 25.7
 139 13.5 9.9 14.9



#78
 Di-n-butylphthalate
 Concen: 50.463 ng/ul
 RT: 18.339 min Scan# 2576
 Delta R.T. 0.000 min
 Lab File: BM043326.D
 Acq: 14 Dec 2023 06:35

Tgt Ion:149 Resp: 8194687
 Ion Ratio Lower Upper
 149 100
 150 9.7 7.2 10.8
 104 5.4 3.8 5.6

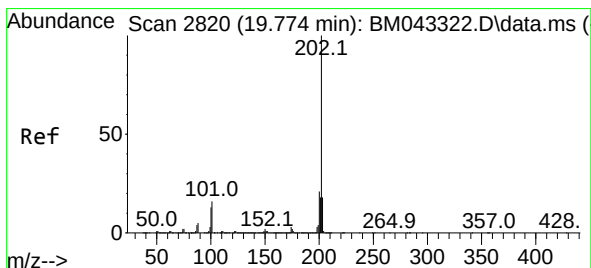
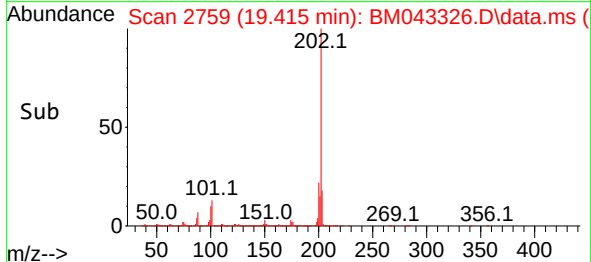
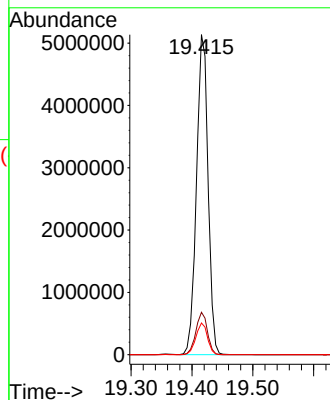
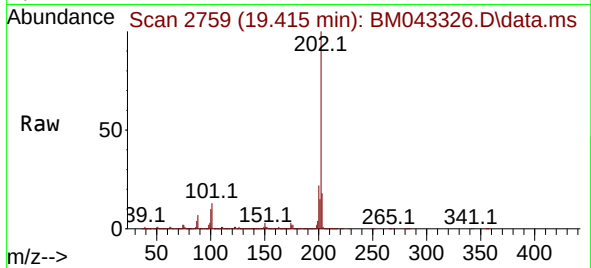




#80
Fluoranthene
Concen: 54.524 ng/u1
RT: 19.415 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

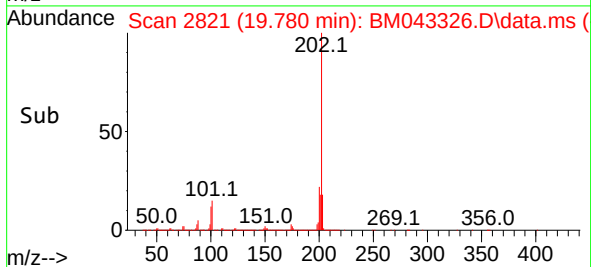
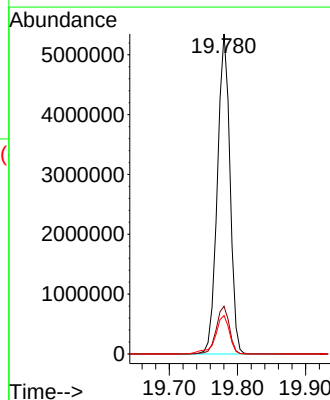
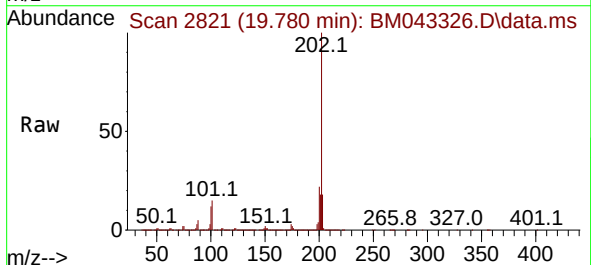
Instrument :
BNA_M
ClientSampleId :
YCH84MS

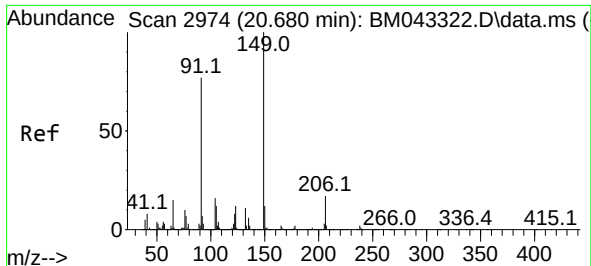
Tgt Ion:202 Resp: 6765336
Ion Ratio Lower Upper
202 100
101 13.3 8.2 12.2#
100 9.9 6.1 9.1#



#82
Pyrene
Concen: 53.235 ng/u1
RT: 19.780 min Scan# 2821
Delta R.T. 0.006 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

Tgt Ion:202 Resp: 6871014
Ion Ratio Lower Upper
202 100
101 14.9 10.2 15.2
100 12.0 8.2 12.2

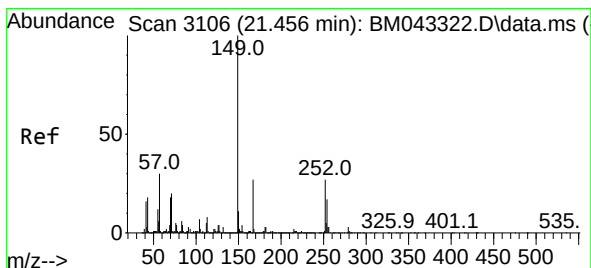
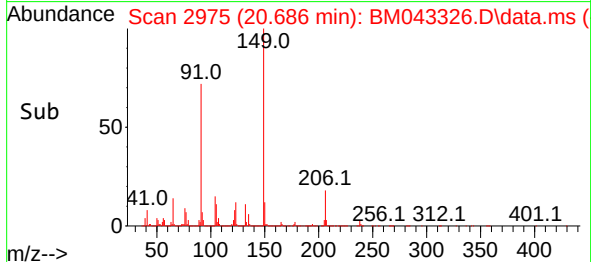
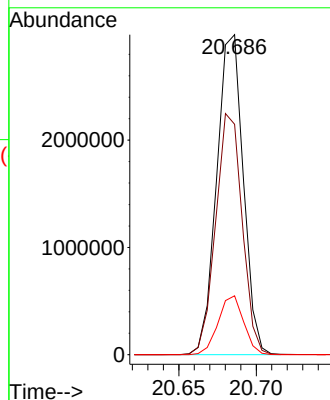
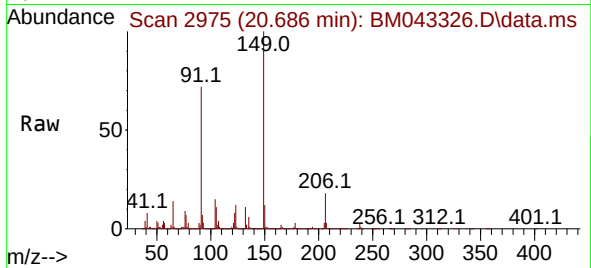




#83
Butylbenzylphthalate
Concen: 69.427 ng/ul
RT: 20.686 min Scan# 2974
Delta R.T. 0.006 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

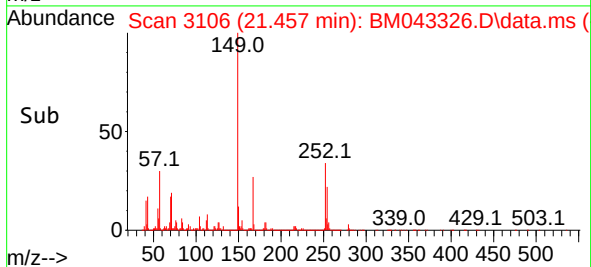
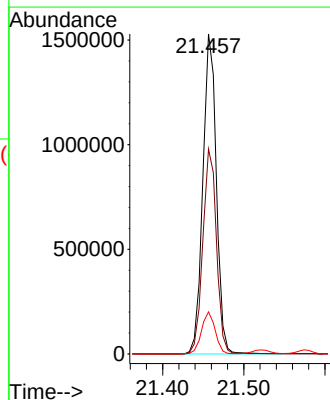
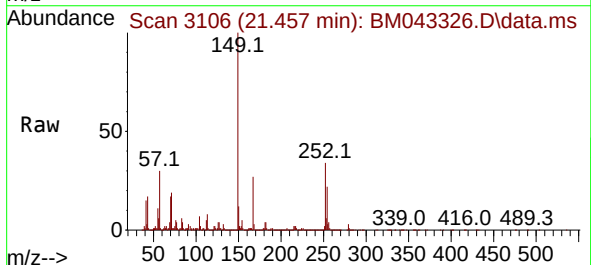
Instrument :
BNA_M
ClientSampleId :
YCH84MS

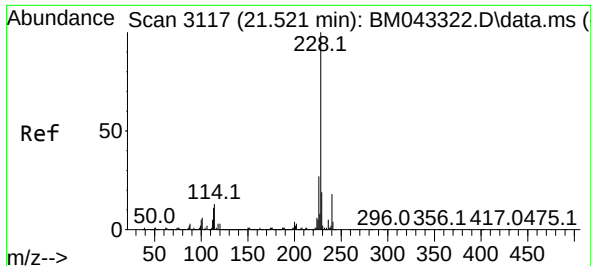
Tgt Ion:149 Resp: 3564537
Ion Ratio Lower Upper
149 100
91 72.0 56.9 85.3
206 18.4 16.1 24.1



#84
3,3'-Dichlorobenzidine
Concen: 43.893 ng/ul
RT: 21.457 min Scan# 3106
Delta R.T. 0.000 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

Tgt Ion:252 Resp: 1763433
Ion Ratio Lower Upper
252 100
254 64.0 51.3 76.9
126 13.1 8.8 13.2

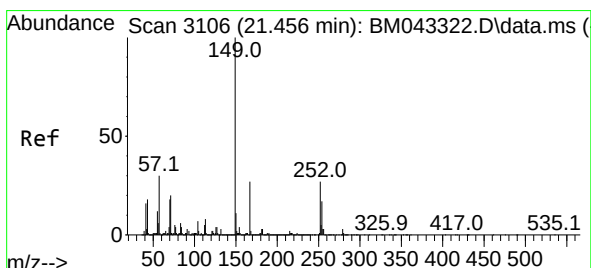
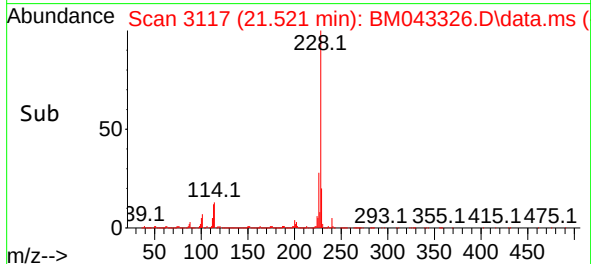
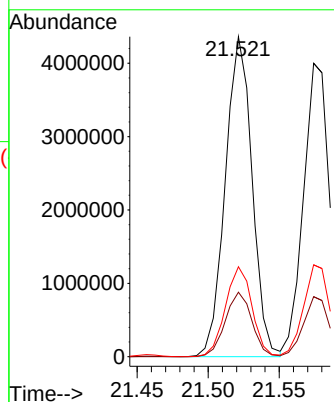
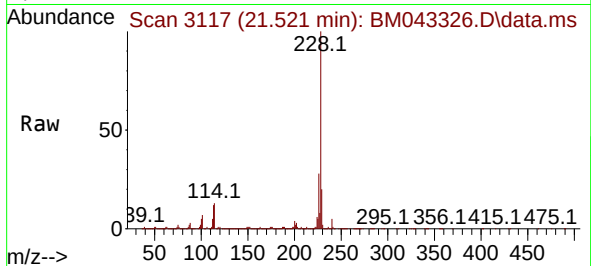




#85
Benzo(a)anthracene
Concen: 44.268 ng/ul
RT: 21.521 min Scan# 3117
Delta R.T. 0.000 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

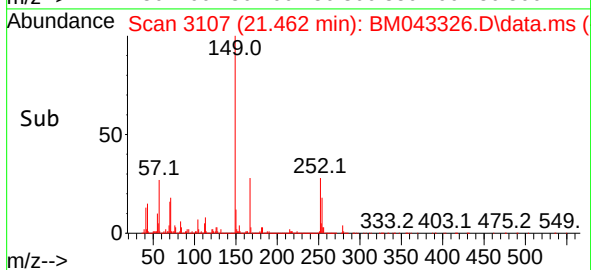
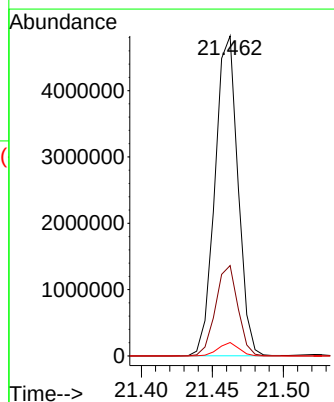
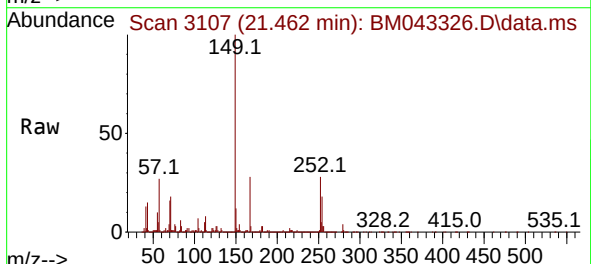
Instrument :
BNA_M
ClientSampleId :
YCH84MS

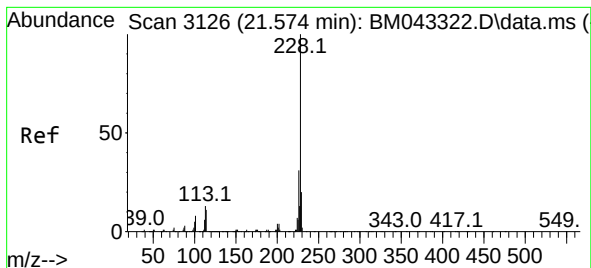
Tgt Ion:228 Resp: 5737643
Ion Ratio Lower Upper
228 100
229 20.2 15.8 23.8
226 28.1 22.2 33.4



#86
Bis(2-ethylhexyl)phthalate
Concen: 66.774 ng/ul
RT: 21.462 min Scan# 3107
Delta R.T. 0.006 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

Tgt Ion:149 Resp: 5411777
Ion Ratio Lower Upper
149 100
167 28.3 22.6 34.0
279 4.2 3.7 5.5





#87

Chrysene

Concen: 44.155 ng/ul

RT: 21.574 min Scan# 31

Delta R.T. 0.000 min

Lab File: BM043326.D

Acq: 14 Dec 2023 06:35

Instrument :

BNA_M

ClientSampleId :

YCH84MS

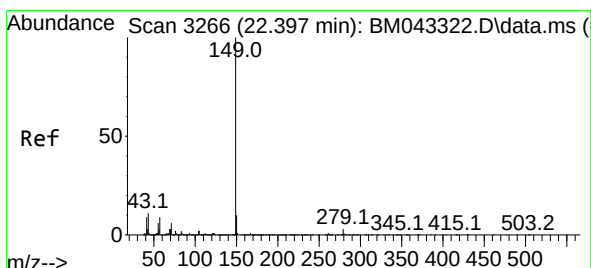
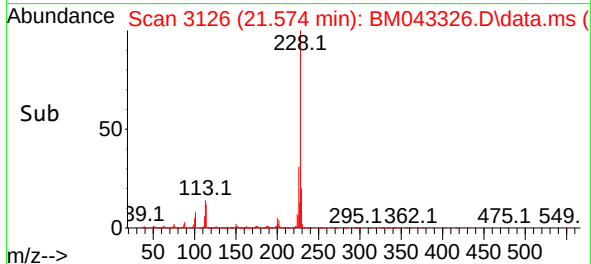
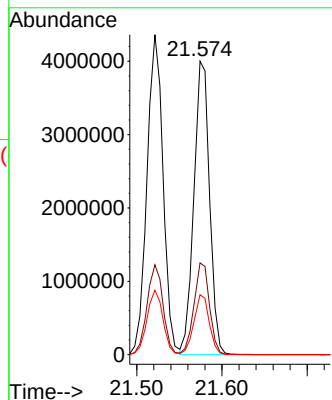
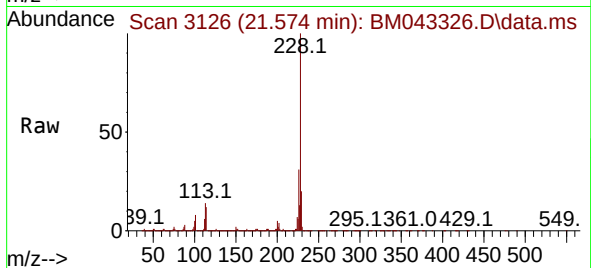
Tgt Ion:228 Resp: 5111519

Ion Ratio Lower Upper

228 100

226 31.3 24.8 37.2

229 20.4 16.2 24.2



#89

Di-n-octyl phthalate

Concen: 82.819 ng/ul

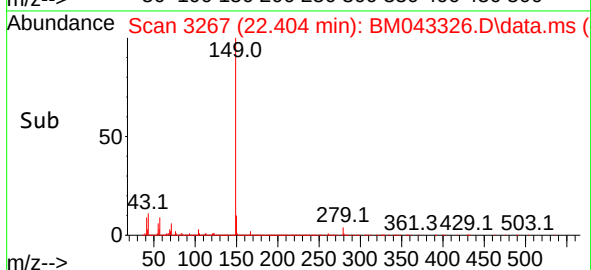
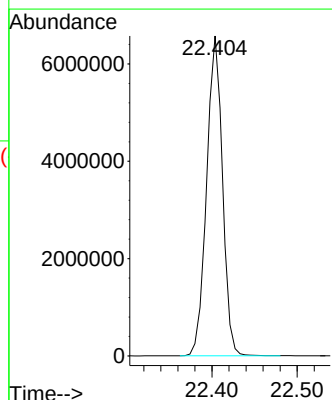
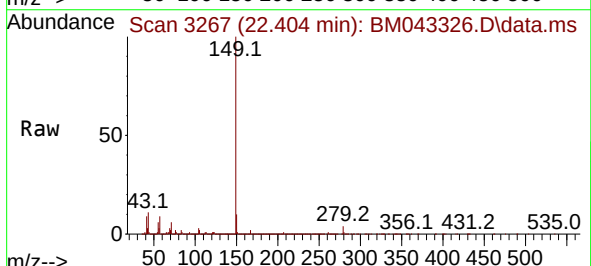
RT: 22.404 min Scan# 3267

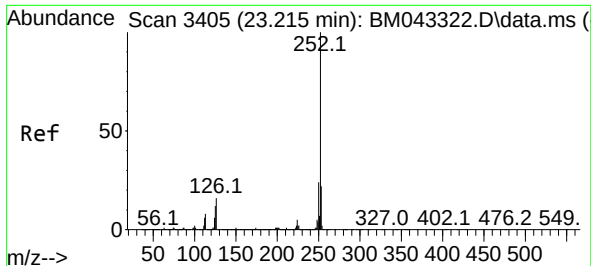
Delta R.T. 0.000 min

Lab File: BM043326.D

Acq: 14 Dec 2023 06:35

Tgt Ion:149 Resp: 8505347

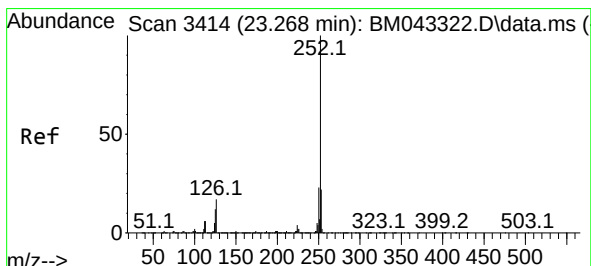
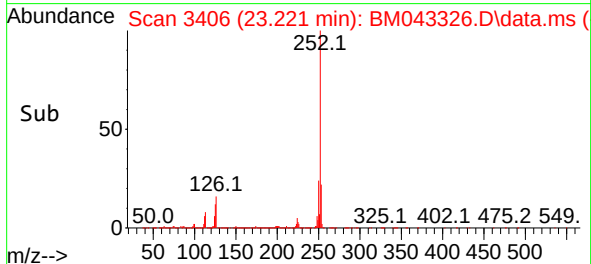
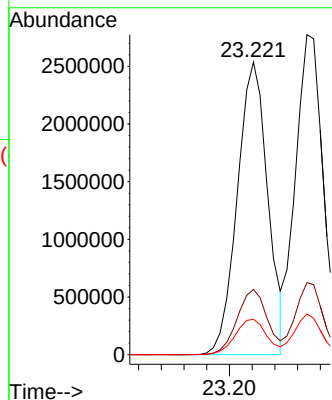
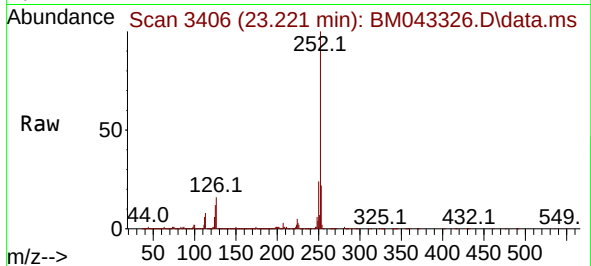




#90
Benzo(b)fluoranthene
Concen: 44.299 ng/ul
RT: 23.221 min Scan# 3405
Delta R.T. 0.006 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

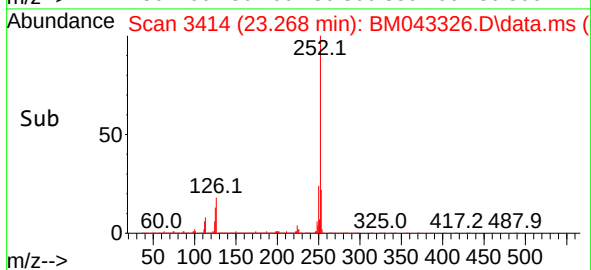
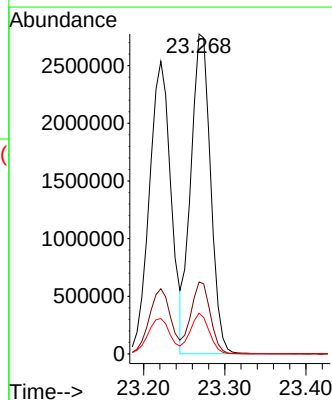
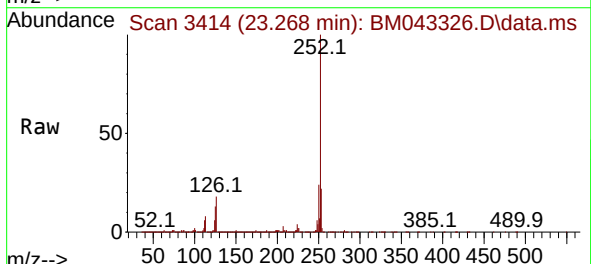
Instrument :
BNA_M
ClientSampleId :
YCH84MS

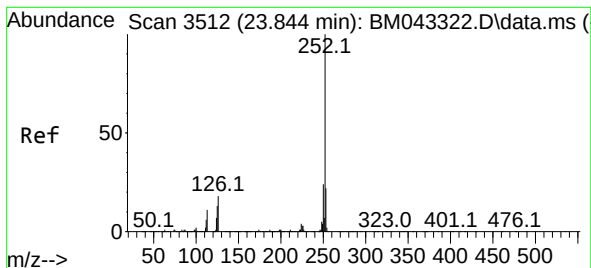
Tgt Ion:252 Resp: 4719074
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 12.1 7.2 10.8#



#91
Benzo(k)fluoranthene
Concen: 44.277 ng/ul
RT: 23.268 min Scan# 3414
Delta R.T. 0.000 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

Tgt Ion:252 Resp: 4697747
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 12.8 7.7 11.5#





#93

Benzo(a)pyrene

Concen: 43.022 ng/ul

RT: 23.856 min Scan# 3

Delta R.T. 0.012 min

Lab File: BM043326.D

Acq: 14 Dec 2023 06:35

Instrument :

BNA_M

ClientSampleId :

YCH84MS

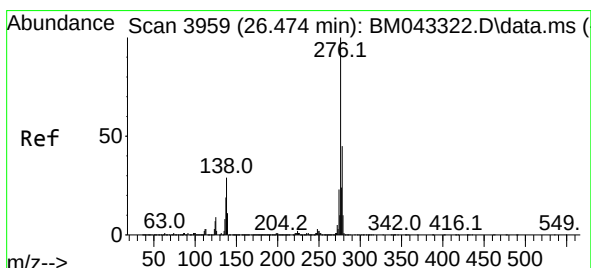
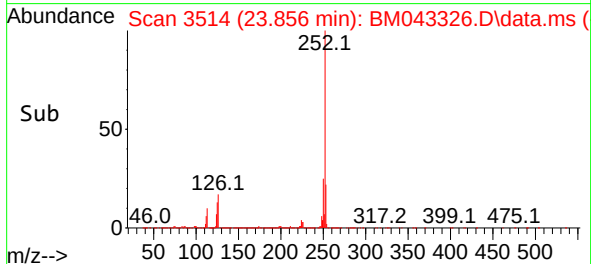
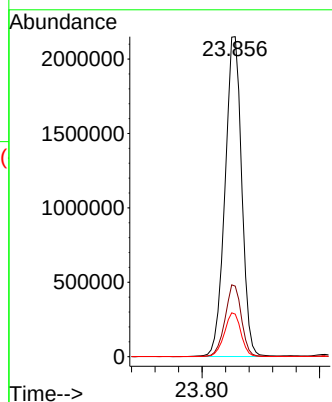
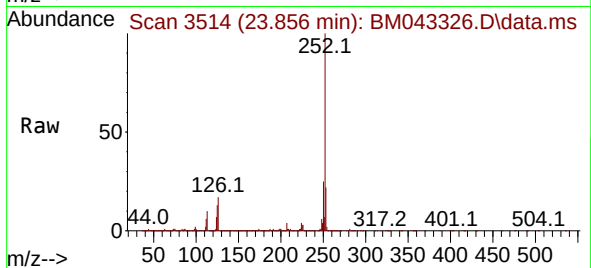
Tgt Ion:252 Resp: 4236176

Ion Ratio Lower Upper

252 100

253 22.1 17.8 26.6

125 13.3 8.4 12.6#



#94

Indeno(1,2,3-cd)pyrene

Concen: 44.819 ng/ul

RT: 26.486 min Scan# 3961

Delta R.T. 0.012 min

Lab File: BM043326.D

Acq: 14 Dec 2023 06:35

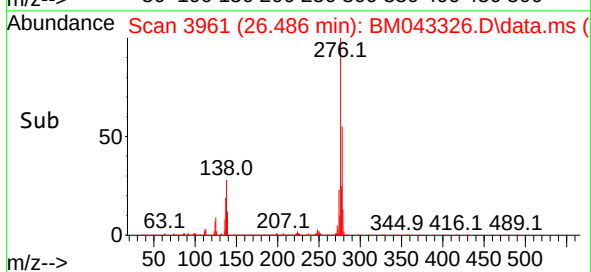
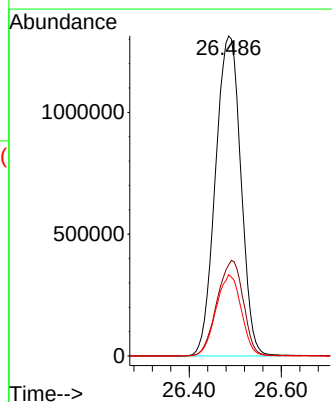
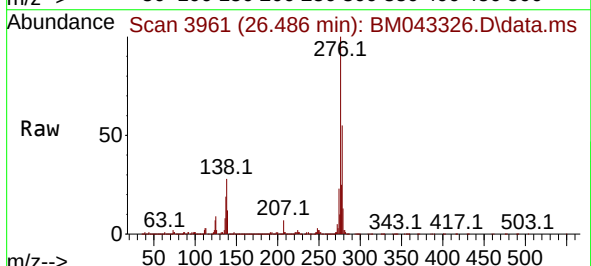
Tgt Ion:276 Resp: 5026865

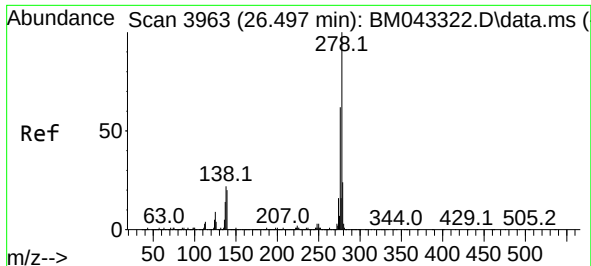
Ion Ratio Lower Upper

276 100

138 28.5 16.9 25.3#

277 25.4 19.5 29.3

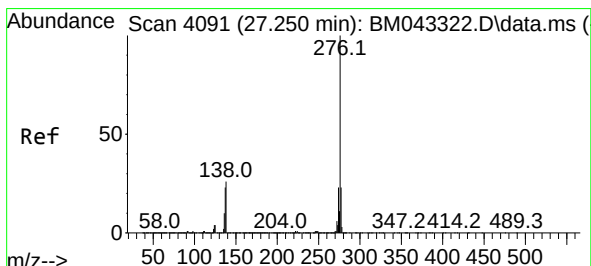
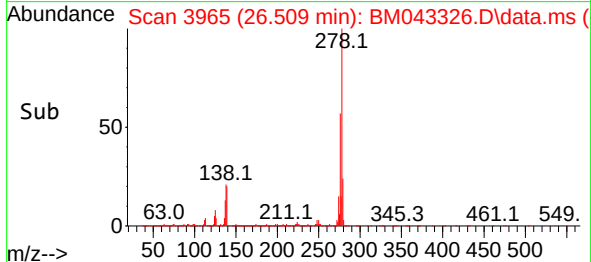
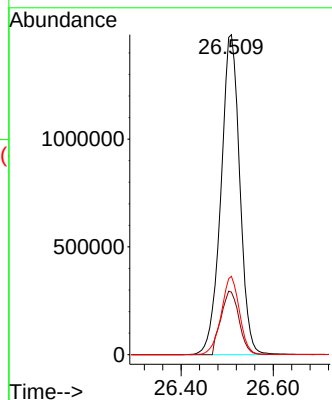
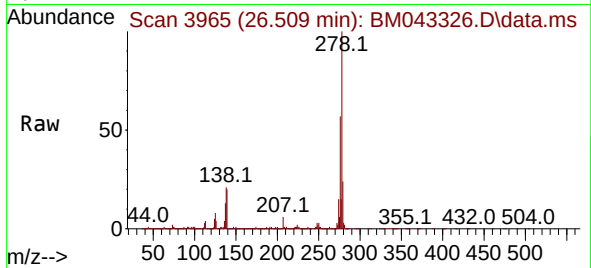




#95
Dibenzo(a,h)anthracene
Concen: 44.826 ng/ul
RT: 26.509 min Scan# 3965
Delta R.T. 0.006 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

Instrument :
BNA_M
ClientSampleId :
YCH84MS

Tgt Ion:278 Resp: 4203855
Ion Ratio Lower Upper
278 100
139 19.6 11.9 17.9#
279 24.5 19.4 29.2



#96
Benzo(g,h,i)perylene
Concen: 46.141 ng/ul
RT: 27.256 min Scan# 4092
Delta R.T. 0.012 min
Lab File: BM043326.D
Acq: 14 Dec 2023 06:35

Tgt Ion:276 Resp: 3899056
Ion Ratio Lower Upper
276 100
138 27.1 16.2 24.2#
277 24.4 18.7 28.1

