

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM091923\
 Data File : BM041927.D
 Acq On : 20 Sep 2023 05:53
 Operator : MA/JU
 Sample : 04432-01MSD
 Misc :
 ALS Vial : 27 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 PILE-1MSD

Quant Time: Sep 20 06:32:36 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM091823.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 19 04:49:34 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.963	152	281613	20.000	ng	0.00
21) Naphthalene-d8	10.780	136	1170222	20.000	ng	0.00
39) Acenaphthene-d10	14.610	164	711902	20.000	ng	0.00
64) Phenanthrene-d10	17.362	188	1456598	20.000	ng	0.00
76) Chrysene-d12	21.533	240	1224356	20.000	ng	-0.01
86) Perylene-d12	23.944	264	1197663	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	2027867	119.938	ng	0.00
7) Phenol-d6	7.110	99	2702993	115.140	ng	0.00
23) Nitrobenzene-d5	9.157	82	1649297	71.759	ng	0.00
42) 2,4,6-Tribromophenol	16.104	330	966704	108.834	ng	0.00
45) 2-Fluorobiphenyl	13.227	172	3566181	73.526	ng	0.00
79) Terphenyl-d14	19.968	244	5222319	77.685	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.410	88	298175	43.237	ng	98
3) Pyridine	3.816	79	842769	39.339	ng	99
4) n-Nitrosodimethylamine	3.740	42	509217	50.006	ng	95
6) Aniline	7.298	93	1345973	43.276	ng	99
8) 2-Chlorophenol	7.516	128	1058282	56.220	ng	100
9) Benzaldehyde	7.122	77	349842	26.360	ng	98
10) Phenol	7.139	94	1394171	57.857	ng	100
11) bis(2-Chloroethyl)ether	7.392	93	1025723	51.030	ng	99
12) 1,3-Dichlorobenzene	7.839	146	1058143	52.646	ng	100
13) 1,4-Dichlorobenzene	7.998	146	1085581	53.155	ng	99
14) 1,2-Dichlorobenzene	8.310	146	1050836	53.529	ng	100
15) Benzyl Alcohol	8.216	79	991010	53.471	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.486	45	1556141	50.621	ng	98
17) 2-Methylphenol	8.392	107	914318	52.181	ng	99
18) Hexachloroethane	9.028	117	399637	52.059	ng	99
19) n-Nitroso-di-n-propyla...	8.775	70	868797	49.785	ng	99
20) 3+4-Methylphenols	8.728	107	1247249	51.859	ng	99
22) Acetophenone	8.804	105	1562571	53.414	ng	# 100
24) Nitrobenzene	9.198	77	1221160	53.529	ng	100
25) Isophorone	9.710	82	2330282	51.369	ng	100
26) 2-Nitrophenol	9.898	139	573666	55.831	ng	99
27) 2,4-Dimethylphenol	9.933	122	952208	51.529	ng	99
28) bis(2-Chloroethoxy)met...	10.192	93	1406291	53.041	ng	100
29) 2,4-Dichlorophenol	10.416	162	1044421	58.403	ng	99
30) 1,2,4-Trichlorobenzene	10.627	180	1009397	54.977	ng	99
31) Naphthalene	10.833	128	3109796	52.786	ng	100
32) Benzoic acid	10.086	122	795927	54.667	ng	100
33) 4-Chloroaniline	10.957	127	895061	33.945	ng	100
34) Hexachlorobutadiene	11.057	225	594756	53.034	ng	99
35) Caprolactam	11.798	113	180716	28.275	ng	99
36) 4-Chloro-3-methylphenol	12.057	107	1104397	55.415	ng	98
37) 2-Methylnaphthalene	12.433	142	2155529	49.762	ng	99
38) 1-Methylnaphthalene	12.657	142	2106074	51.769	ng	100
40) 1,2,4,5-Tetrachloroben...	12.786	216	1116305	54.069	ng	100
41) Hexachlorocyclopentadiene	12.733	237	1286387	110.811	ng	99
43) 2,4,6-Trichlorophenol	13.033	196	807666	57.484	ng	99

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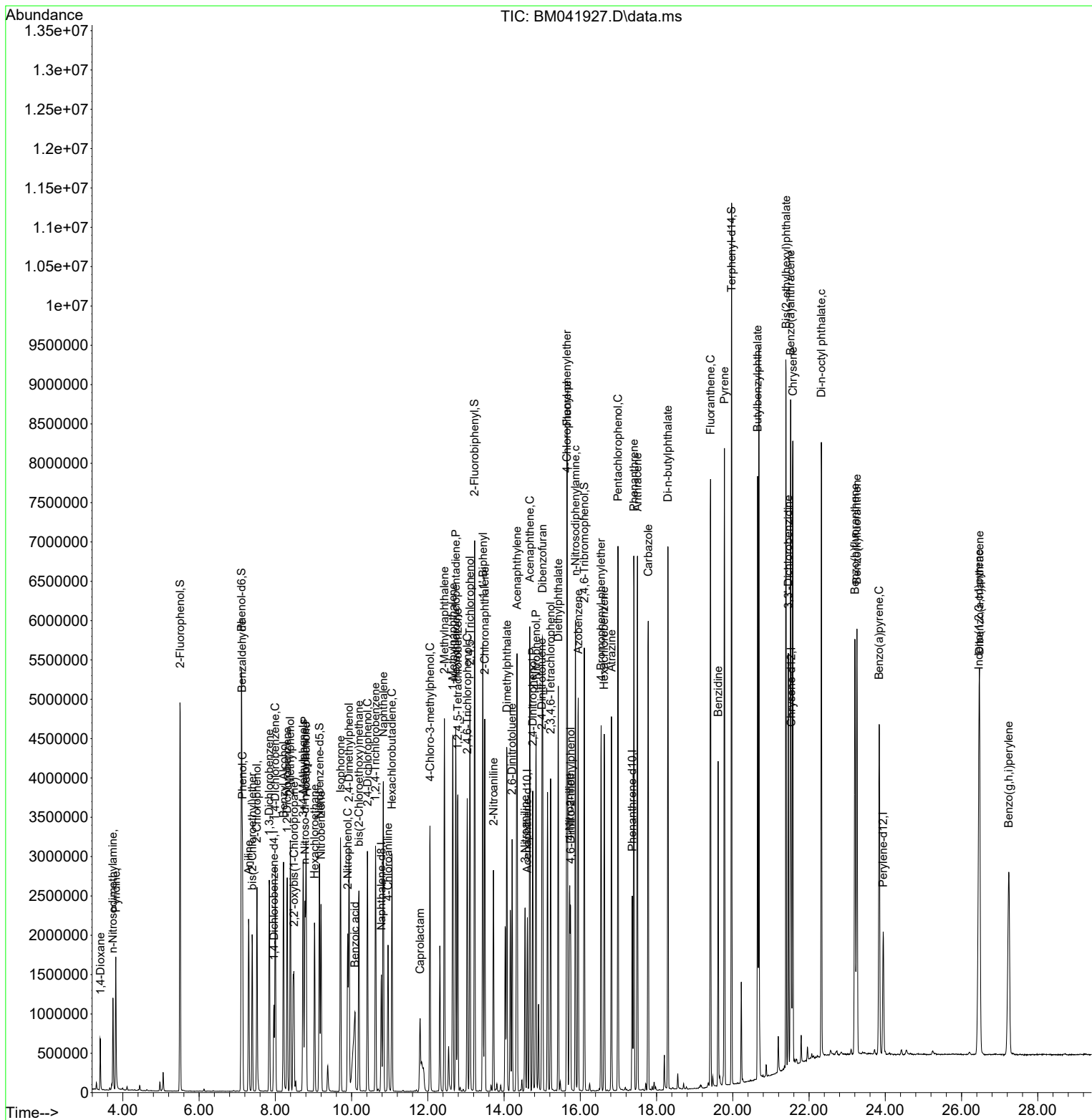
Instrument :
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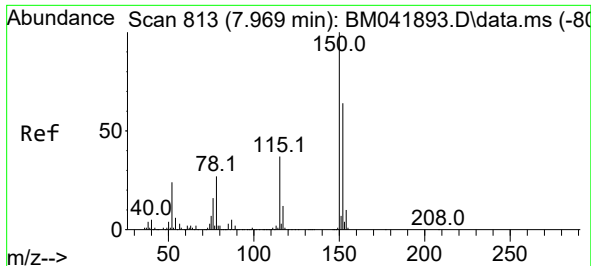
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Sep 19 04:49:34 2023
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.104	196	877519	53.365	ng	98
46) 1,1'-Biphenyl	13.445	154	2865851	54.561	ng	100
47) 2-Chloronaphthalene	13.492	162	2181274	57.024	ng	100
48) 2-Nitroaniline	13.721	65	750413	54.901	ng	99
49) Acenaphthylene	14.339	152	3599866	56.708	ng	99
50) Dimethylphthalate	14.074	163	2786009	52.936	ng	99
51) 2,6-Dinitrotoluene	14.210	165	610802	54.764	ng	99
52) Acenaphthene	14.674	154	2043934	53.532	ng	99
53) 3-Nitroaniline	14.551	138	527664	42.269	ng	99
54) 2,4-Dinitrophenol	14.751	184	731991	105.084	ng	98
55) Dibenzofuran	15.010	168	3266935	53.006	ng	99
56) 4-Nitrophenol	14.839	139	1101974	111.303	ng	97
57) 2,4-Dinitrotoluene	14.992	165	809491	54.857	ng	99
58) Fluorene	15.657	166	2571816	52.929	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.221	232	731859	54.224	ng	99
60) Diethylphthalate	15.421	149	2709449	51.753	ng	99
61) 4-Chlorophenyl-phenyle...	15.645	204	1351640	53.024	ng	99
62) 4-Nitroaniline	15.721	138	612800	51.048	ng	99
63) Azobenzene	15.945	77	2822792	53.185	ng	99
65) 4,6-Dinitro-2-methylph...	15.745	198	438594	52.436	ng	100
66) n-Nitrosodiphenylamine	15.874	169	2260395	54.945	ng	99
67) 4-Bromophenyl-phenylether	16.545	248	809214	53.911	ng	100
68) Hexachlorobenzene	16.627	284	920408	57.914	ng	96
69) Atrazine	16.815	200	813168	63.387	ng	98
70) Pentachlorophenol	16.986	266	1241640	103.404	ng	99
71) Phenanthrene	17.403	178	4013638	55.251	ng	100
72) Anthracene	17.498	178	4044994	54.584	ng	100
73) Carbazole	17.780	167	3733875	54.950	ng	100
74) Di-n-butylphthalate	18.298	149	4798503	55.007	ng	100
75) Fluoranthene	19.415	202	4596814	53.899	ng	99
77) Benzidine	19.615	184	2164111	86.594	ng	100
78) Pyrene	19.780	202	4780212	56.110	ng	100
80) Butylbenzylphthalate	20.650	149	2085837	55.049	ng	99
81) Benzo(a)anthracene	21.515	228	4375481	54.794	ng	100
82) 3,3'-Dichlorobenzidine	21.456	252	1461177	51.959	ng	98
83) Chrysene	21.574	228	3981653	53.197	ng	99
84) Bis(2-ethylhexyl)phtha...	21.397	149	3095400	55.067	ng	99
85) Di-n-octyl phthalate	22.321	149	5233344	55.310	ng	100
87) Indeno(1,2,3-cd)pyrene	26.456	276	3995558	55.875	ng	100
88) Benzo(b)fluoranthene	23.203	252	3940894	56.360	ng	100
89) Benzo(k)fluoranthene	23.256	252	3826483	55.379	ng	100
90) Benzo(a)pyrene	23.838	252	3365472	51.294	ng	100
91) Dibenzo(a,h)anthracene	26.473	278	3352383	56.234	ng	99
92) Benzo(g,h,i)perylene	27.238	276	3140873	55.141	ng	99

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

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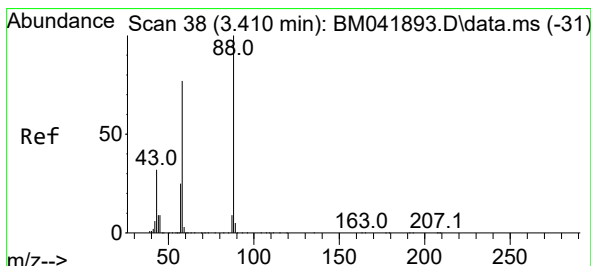
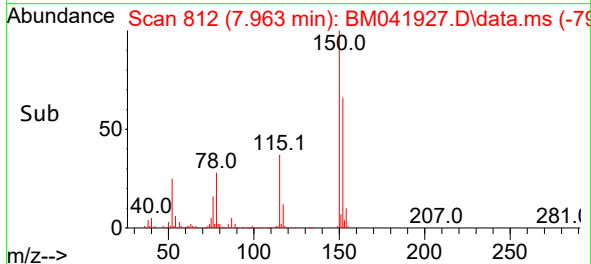
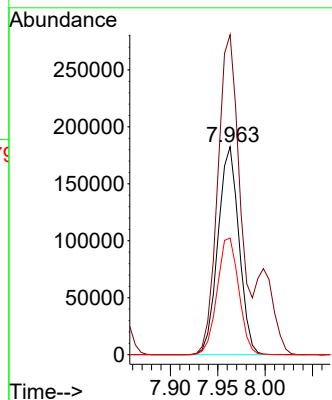
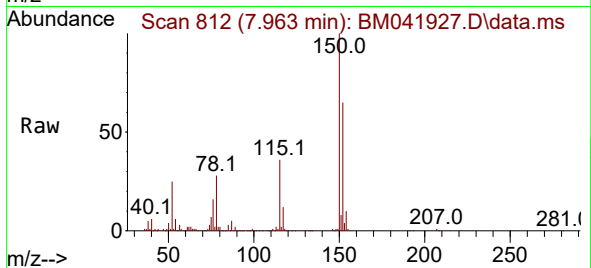




#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM041927.D
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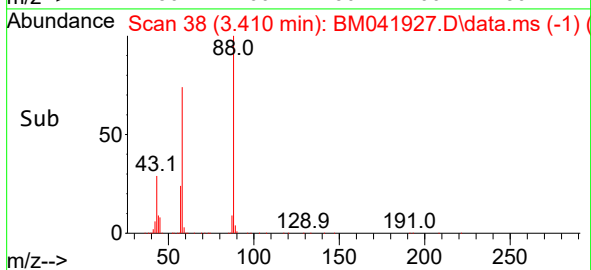
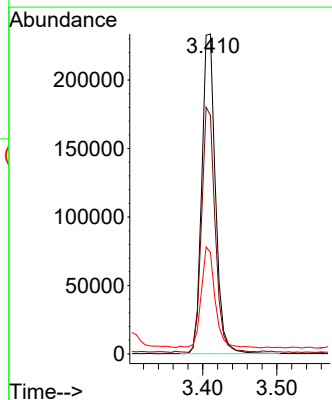
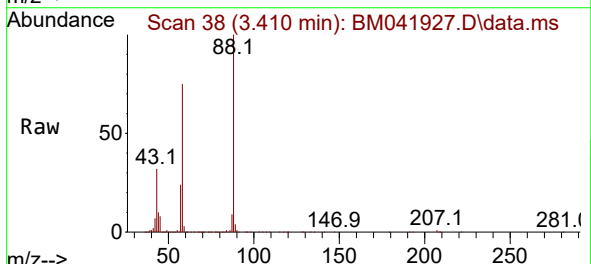
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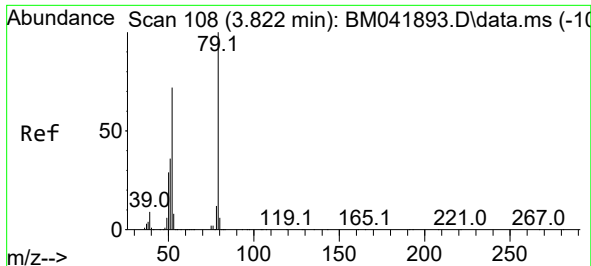
Tgt Ion:152 Resp: 281613
Ion Ratio Lower Upper
152 100
150 153.8 125.9 188.9
115 56.1 46.8 70.2



#2
1,4-Dioxane
Concen: 43.237 ng
RT: 3.410 min Scan# 38
Delta R.T. -0.000 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

Tgt Ion: 88 Resp: 298175
Ion Ratio Lower Upper
88 100
58 75.8 62.4 93.6
43 31.9 25.8 38.6

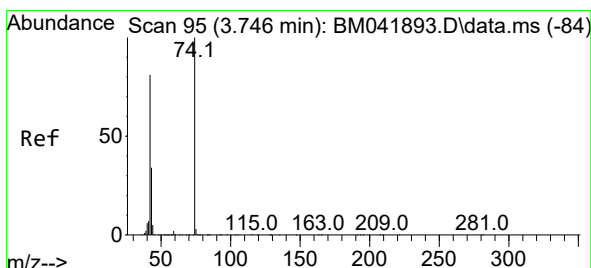
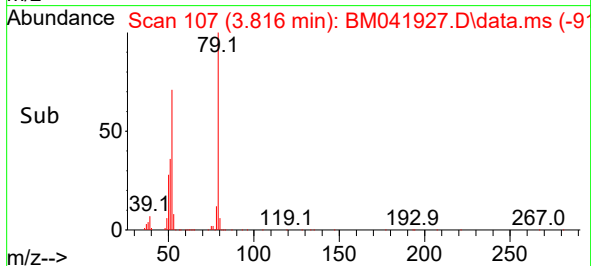
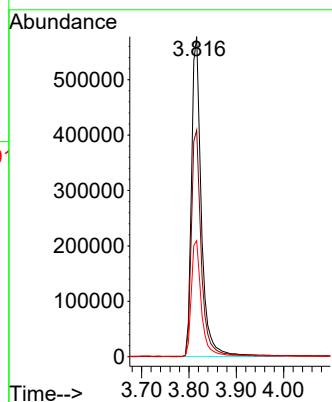
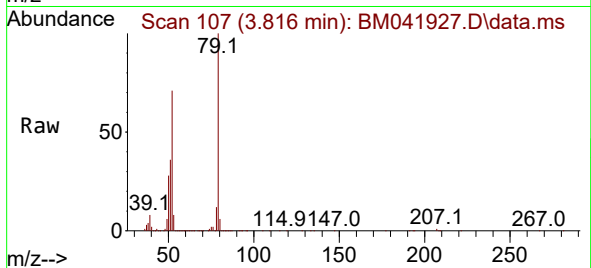




#3
Pyridine
Concen: 39.339 ng
RT: 3.816 min Scan# 108
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

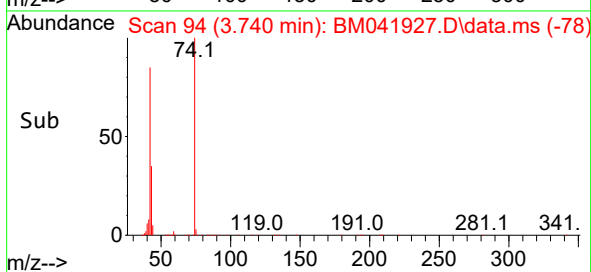
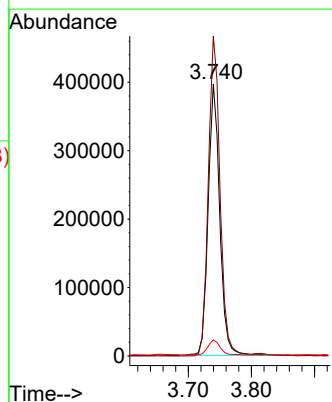
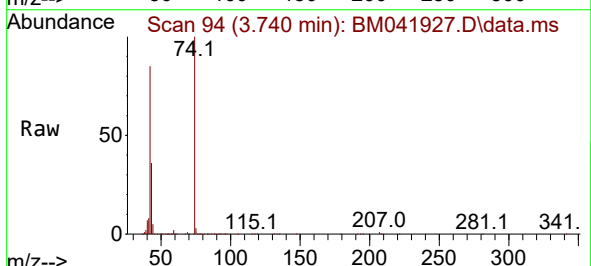
Instrument :
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ClientSampleId :
PILE-1MSD

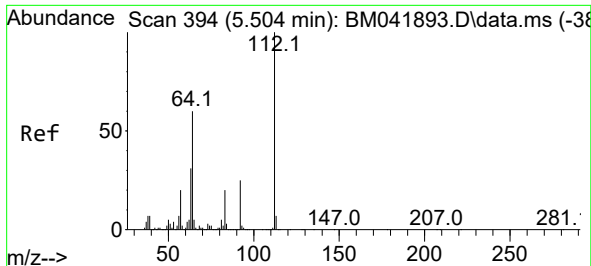
Tgt Ion: 79 Resp: 842769
Ion Ratio Lower Upper
79 100
52 70.8 57.2 85.8
51 36.3 28.9 43.3



#4
n-Nitrosodimethylamine
Concen: 50.006 ng
RT: 3.740 min Scan# 94
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

Tgt Ion: 42 Resp: 509217
Ion Ratio Lower Upper
42 100
74 117.6 98.8 148.2
44 5.9 5.1 7.7

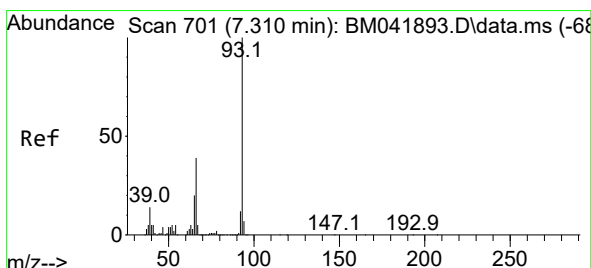
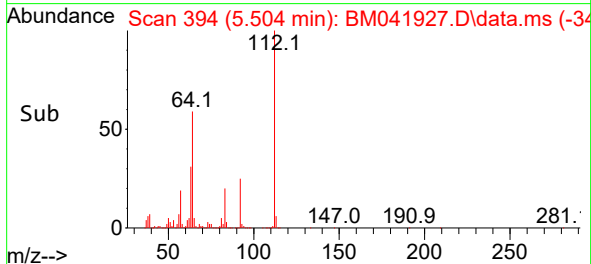
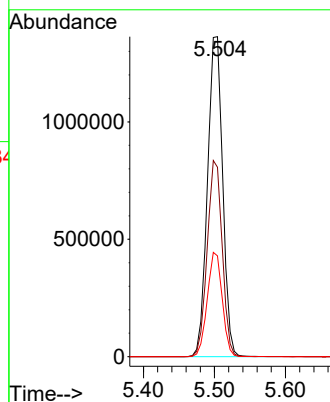
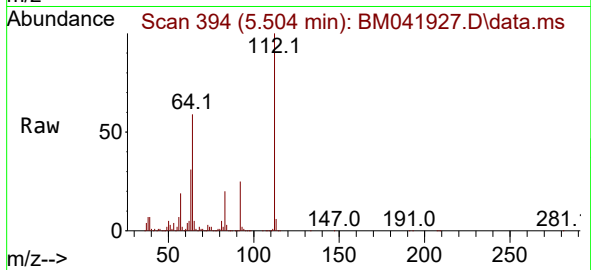




#5
2-Fluorophenol
Concen: 119.938 ng
RT: 5.504 min Scan# 394
Delta R.T. -0.000 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

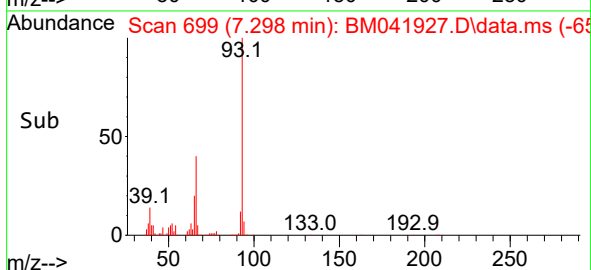
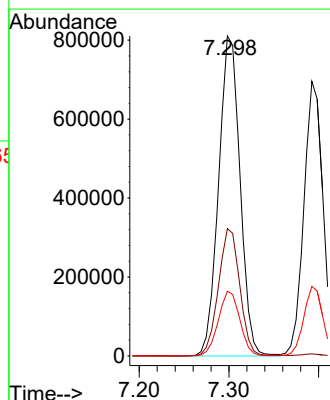
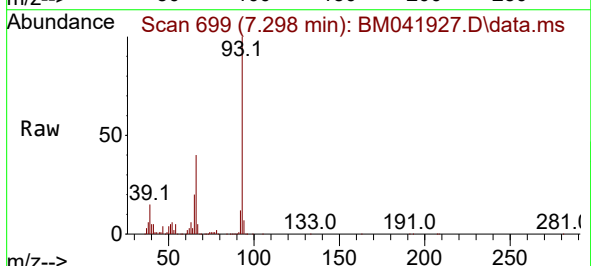
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ClientSampleId :
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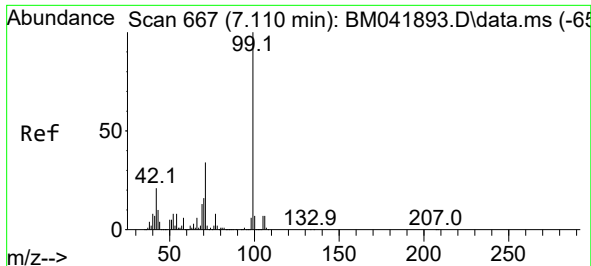
Tgt Ion:112 Resp: 2027867
Ion Ratio Lower Upper
112 100
64 59.2 48.1 72.1
63 31.5 25.0 37.6



#6
Aniline
Concen: 43.276 ng
RT: 7.298 min Scan# 699
Delta R.T. -0.012 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

Tgt Ion: 93 Resp: 1345973
Ion Ratio Lower Upper
93 100
66 39.8 31.4 47.2
65 20.3 16.2 24.4

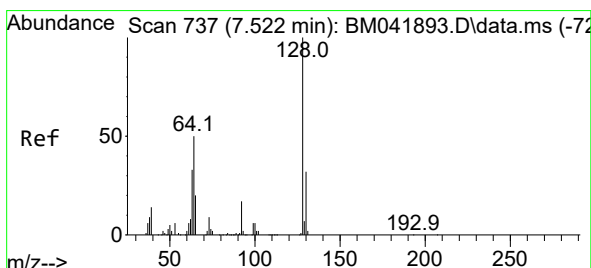
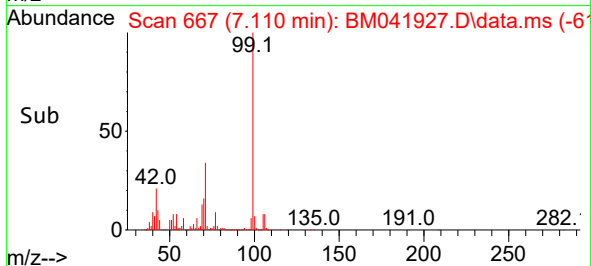
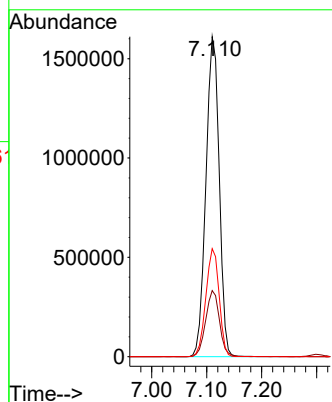
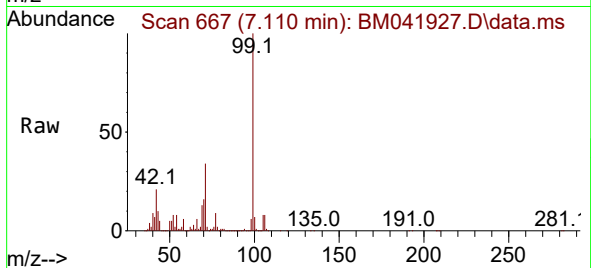




#7
Phenol-d6
Concen: 115.140 ng
RT: 7.110 min Scan# 60
Delta R.T. -0.000 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

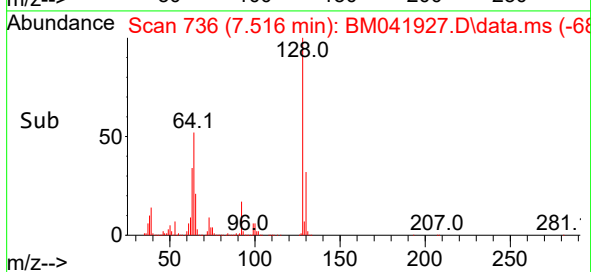
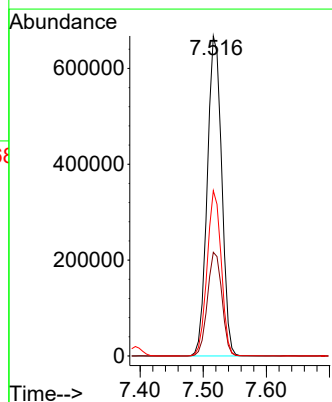
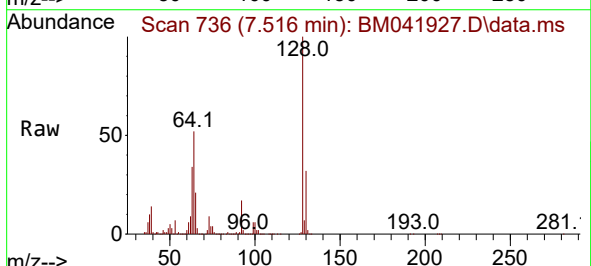
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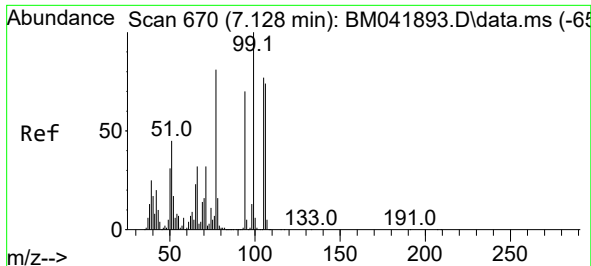
Tgt Ion: 99 Resp: 2702993
Ion Ratio Lower Upper
99 100
42 20.7 16.6 25.0
71 33.8 26.8 40.2



#8
2-Chlorophenol
Concen: 56.220 ng
RT: 7.516 min Scan# 736
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

Tgt Ion:128 Resp: 1058282
Ion Ratio Lower Upper
128 100
130 32.4 12.4 52.4
64 51.7 31.7 71.7

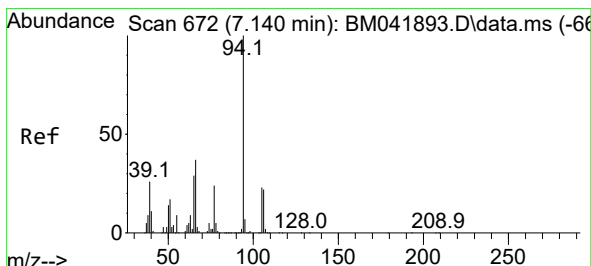
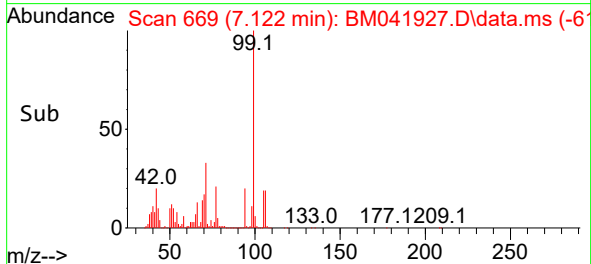
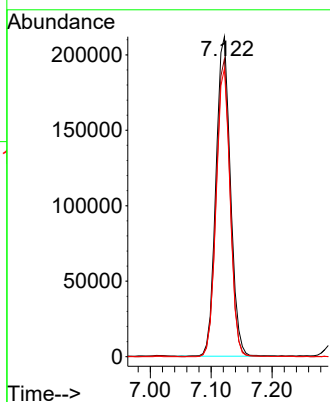
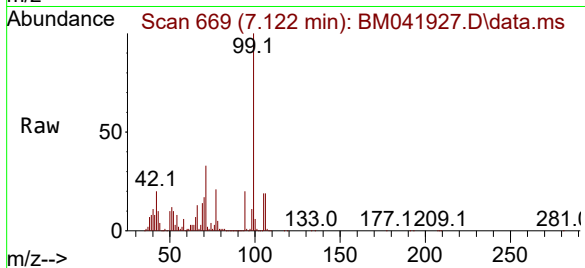




#9
Benzaldehyde
Concen: 26.360 ng
RT: 7.122 min Scan# 669
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

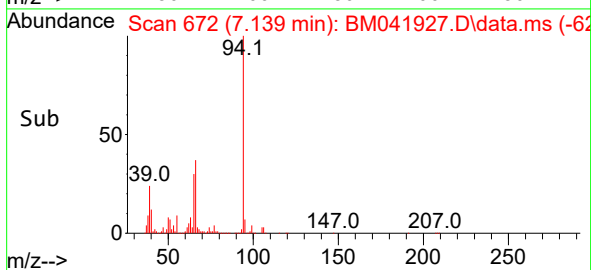
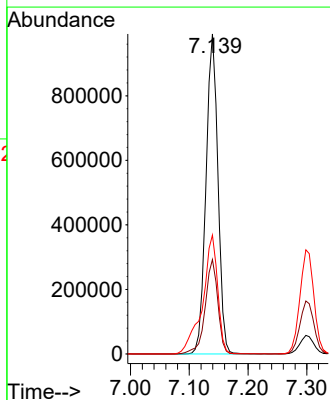
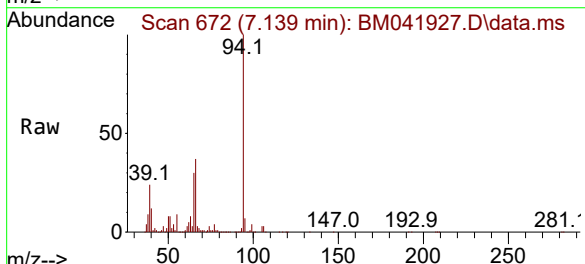
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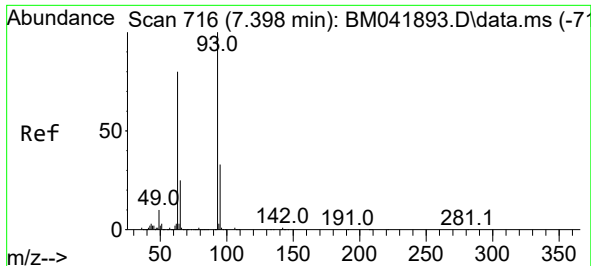
Tgt Ion: 77 Resp: 349842
Ion Ratio Lower Upper
77 100
105 93.1 75.1 115.1
106 90.0 71.6 111.6



#10
Phenol
Concen: 57.857 ng
RT: 7.139 min Scan# 672
Delta R.T. -0.000 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

Tgt Ion: 94 Resp: 1394171
Ion Ratio Lower Upper
94 100
65 29.5 9.1 49.1
66 37.2 17.3 57.3

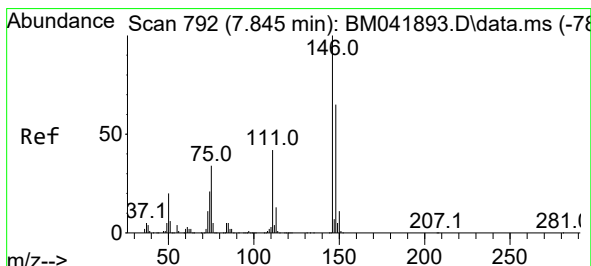
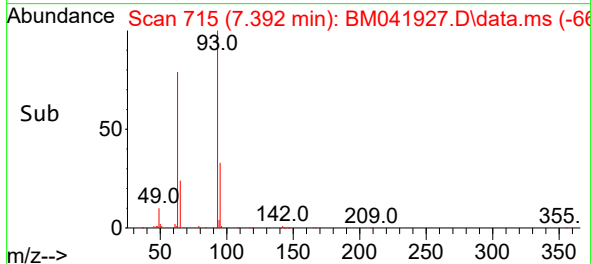
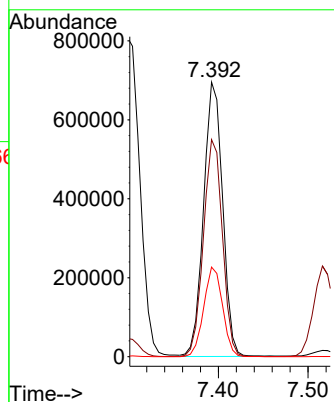
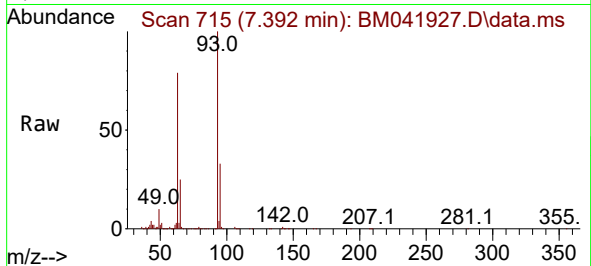




#11
bis(2-Chloroethyl)ether
Concen: 51.030 ng
RT: 7.392 min Scan# 716
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

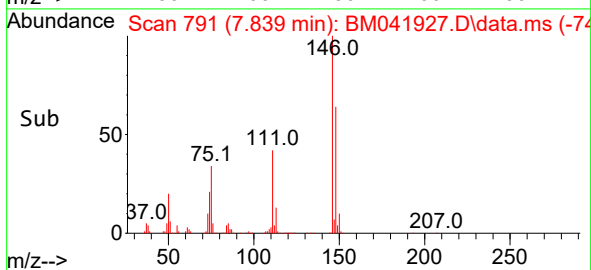
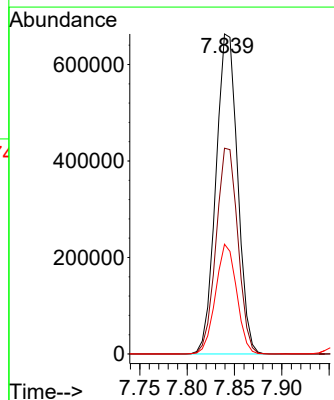
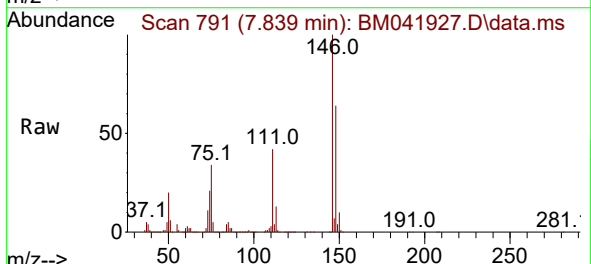
Instrument :
BNA_M
ClientSampleId :
PILE-1MSD

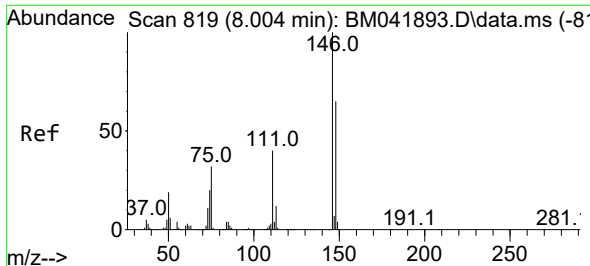
Tgt Ion: 93 Resp: 1025723
Ion Ratio Lower Upper
93 100
63 79.1 59.5 99.5
95 32.6 12.9 52.9



#12
1,3-Dichlorobenzene
Concen: 52.646 ng
RT: 7.839 min Scan# 791
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

Tgt Ion:146 Resp: 1058143
Ion Ratio Lower Upper
146 100
148 64.3 51.7 77.5
75 34.3 27.2 40.8

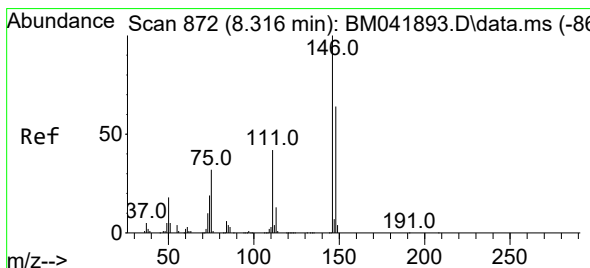
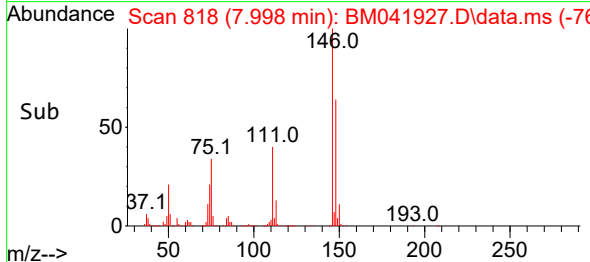
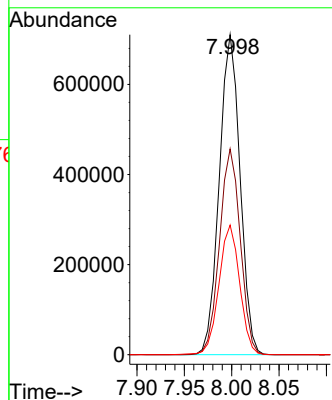
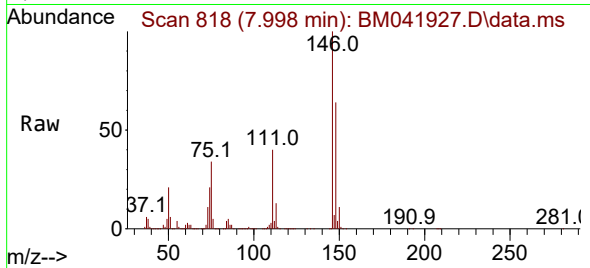




#13
1,4-Dichlorobenzene
Concen: 53.155 ng
RT: 7.998 min Scan# 819
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

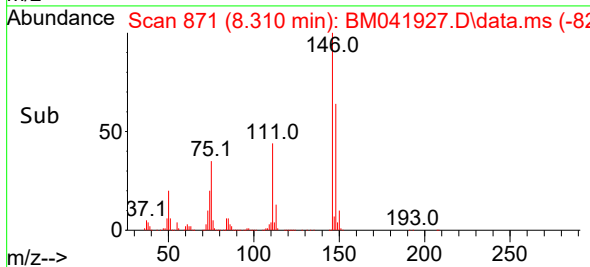
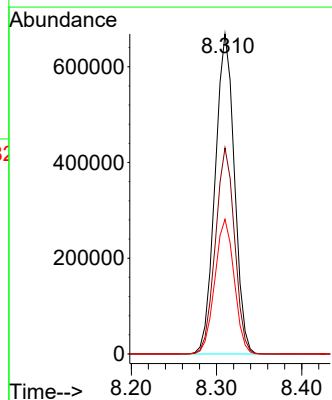
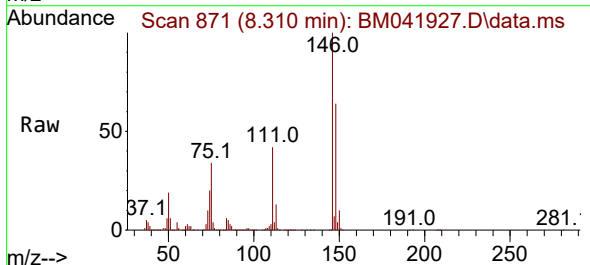
Instrument :
BNA_M
ClientSampleId :
PILE-1MSD

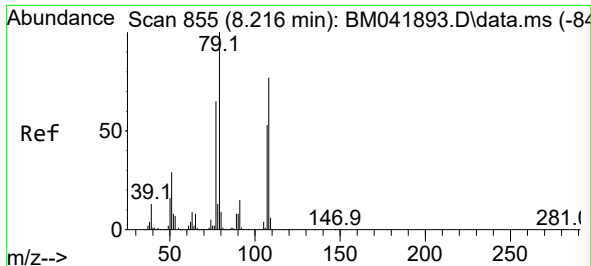
Tgt Ion:146 Resp: 1085581
Ion Ratio Lower Upper
146 100
148 64.3 51.9 77.9
111 40.5 32.1 48.1



#14
1,2-Dichlorobenzene
Concen: 53.529 ng
RT: 8.310 min Scan# 871
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

Tgt Ion:146 Resp: 1050836
Ion Ratio Lower Upper
146 100
148 64.4 51.5 77.3
111 42.1 34.0 51.0

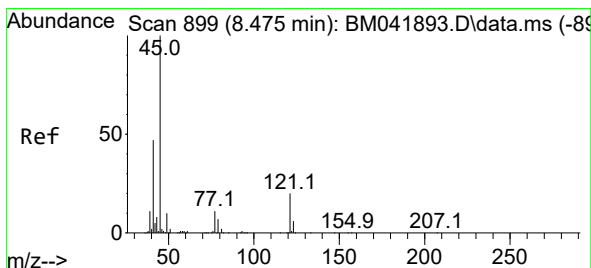
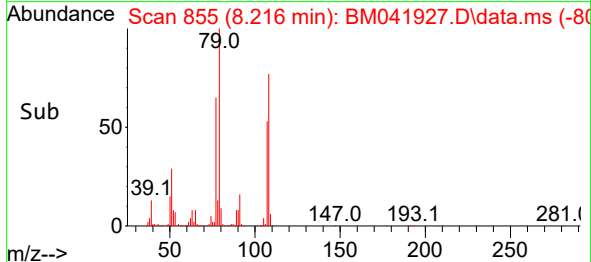
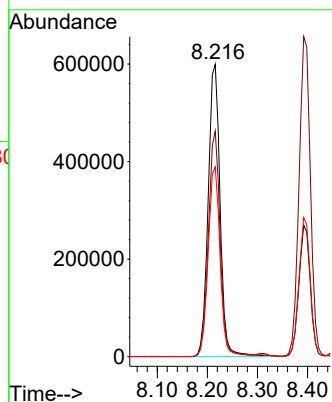
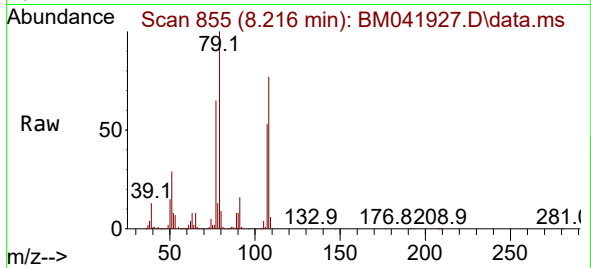




#15
Benzyl Alcohol
Concen: 53.471 ng
RT: 8.216 min Scan# 81
Delta R.T. -0.000 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

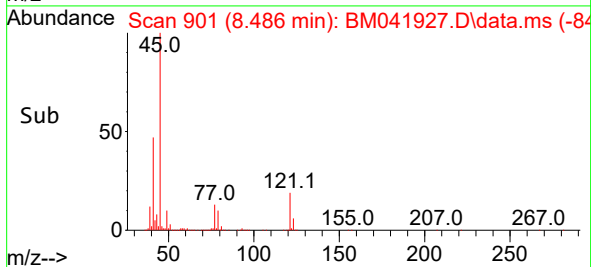
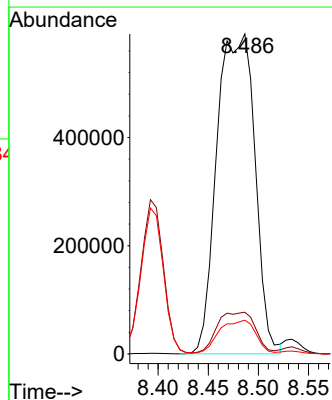
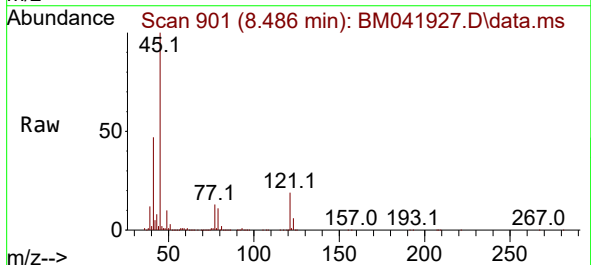
Instrument :
BNA_M
ClientSampleId :
PILE-1MSD

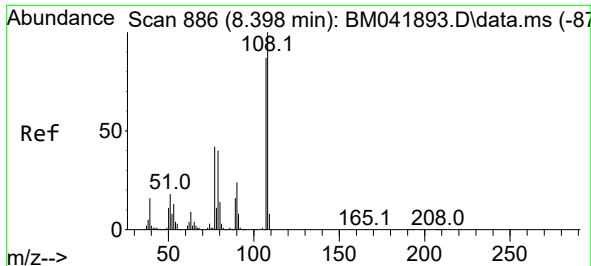
Tgt Ion: 79 Resp: 991010
Ion Ratio Lower Upper
79 100
108 77.2 61.4 92.0
77 64.9 52.0 78.0



#16
2,2'-oxybis(1-Chloropropane)
Concen: 50.621 ng
RT: 8.486 min Scan# 901
Delta R.T. 0.012 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

Tgt Ion: 45 Resp: 1556141
Ion Ratio Lower Upper
45 100
77 13.1 0.0 33.4
79 10.6 0.0 29.6

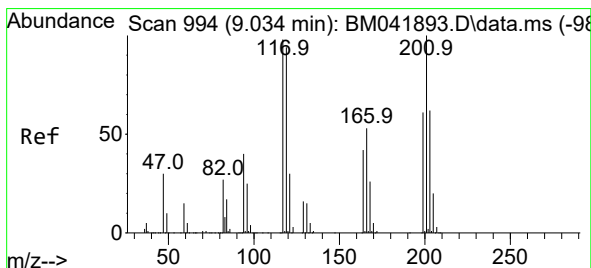
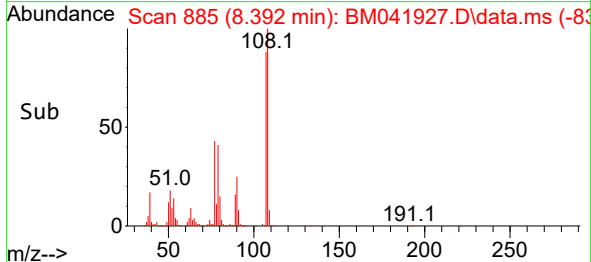
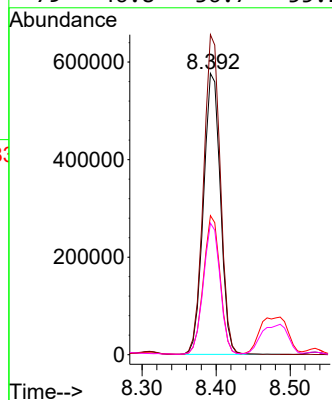
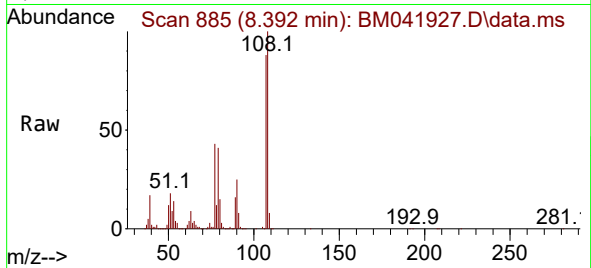




#17
2-Methylphenol
Concen: 52.181 ng
RT: 8.392 min Scan# 885
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

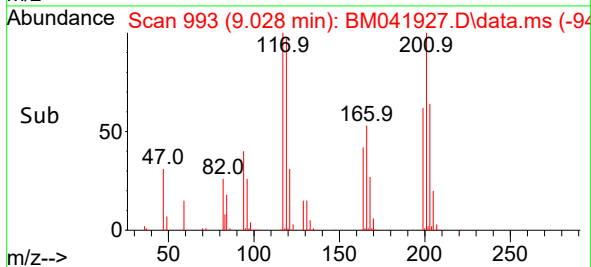
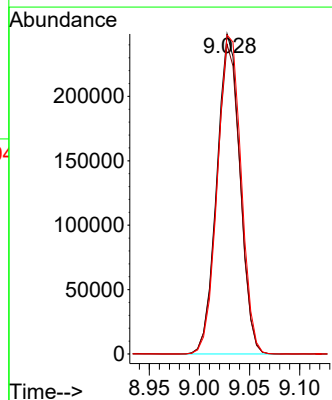
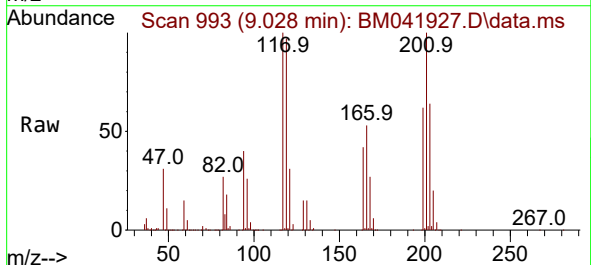
Instrument :
BNA_M
ClientSampleId :
PILE-1MSD

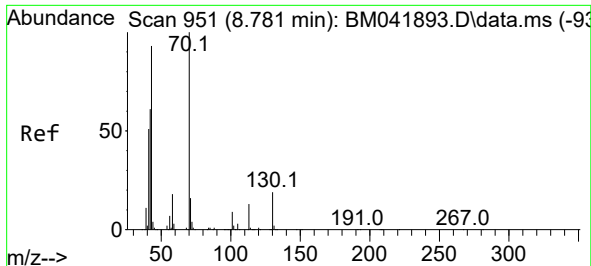
Tgt Ion:107 Resp: 914318
Ion Ratio Lower Upper
107 100
108 113.8 91.9 137.9
77 49.4 39.0 58.6
79 46.8 36.7 55.1



#18
Hexachloroethane
Concen: 52.059 ng
RT: 9.028 min Scan# 993
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

Tgt Ion:117 Resp: 399637
Ion Ratio Lower Upper
117 100
119 96.7 77.2 115.8
201 99.7 81.9 122.9





#19

n-Nitroso-di-n-propylamine

Concen: 49.785 ng

RT: 8.775 min Scan# 91

Delta R.T. -0.006 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

Instrument :

BNA_M

ClientSampleId :

PILE-1MSD

Tgt Ion: 70 Resp: 868797

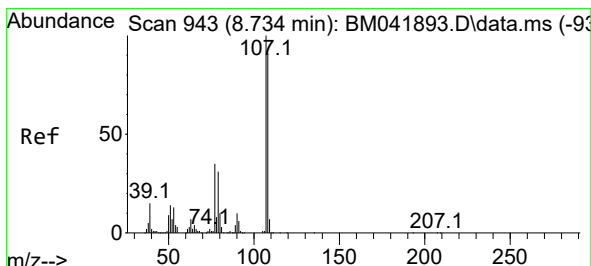
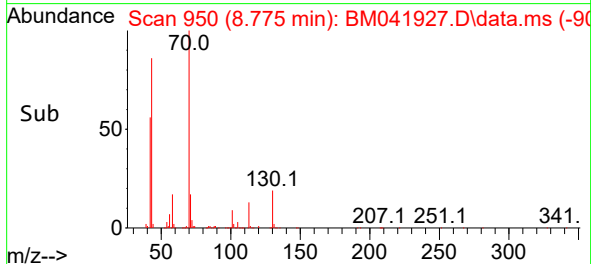
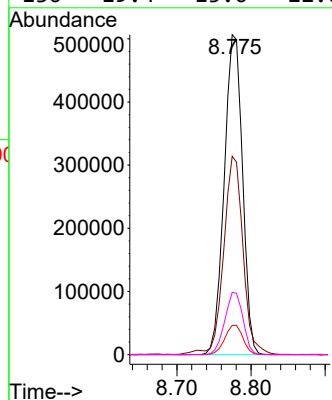
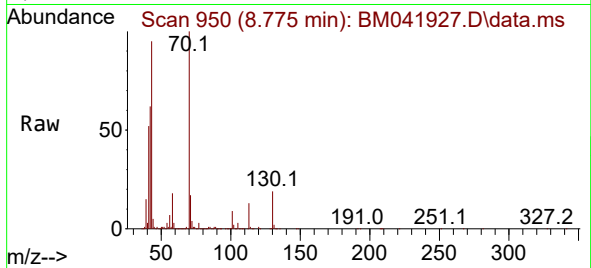
Ion Ratio Lower Upper

70 100

42 62.0 49.2 73.8

101 9.1 7.0 10.6

130 19.4 15.0 22.6



#20

3+4-Methylphenols

Concen: 51.859 ng

RT: 8.728 min Scan# 942

Delta R.T. -0.006 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

Tgt Ion:107 Resp: 1247249

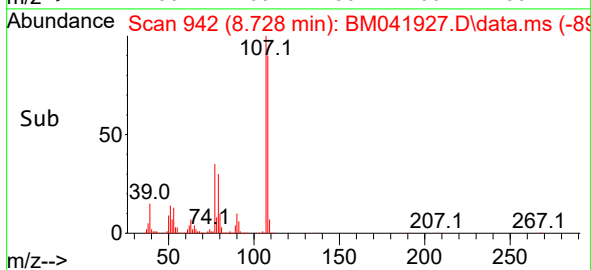
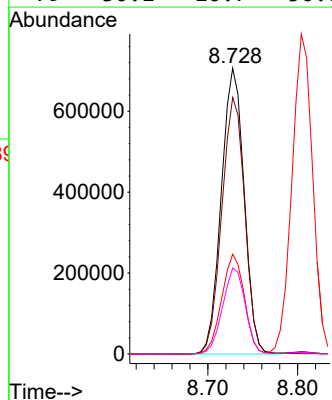
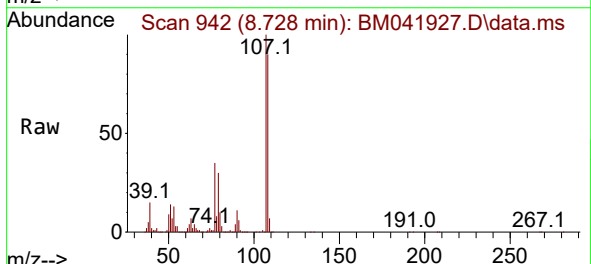
Ion Ratio Lower Upper

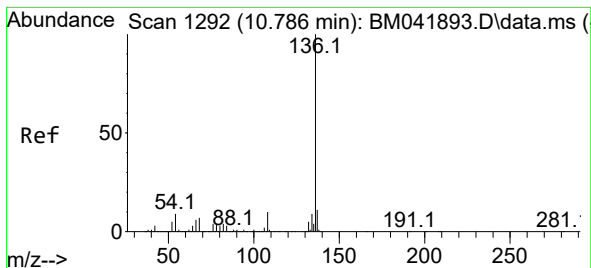
107 100

108 89.8 71.5 111.5

77 34.9 14.9 54.9

79 30.1 10.7 50.7



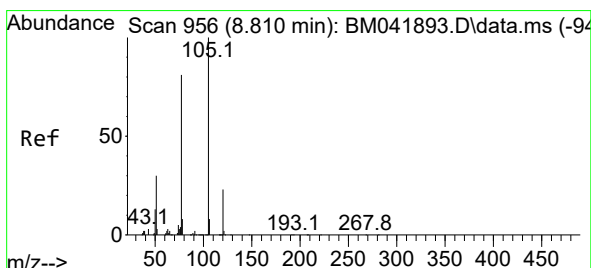
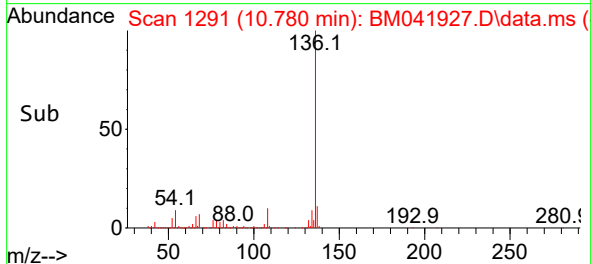
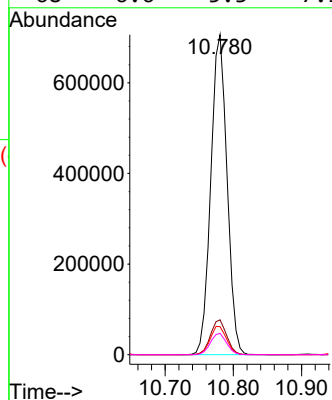
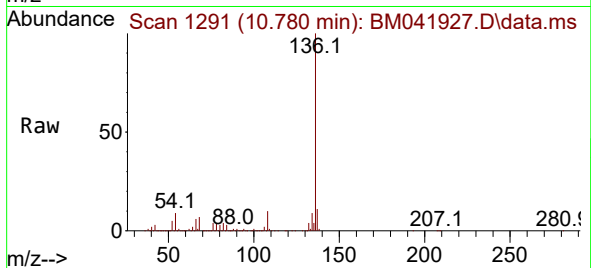


#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.780 min Scan# 1170
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

Instrument :
BNA_M
ClientSampleId :
PILE-1MSD

Tgt Ion:136 Resp: 1170222

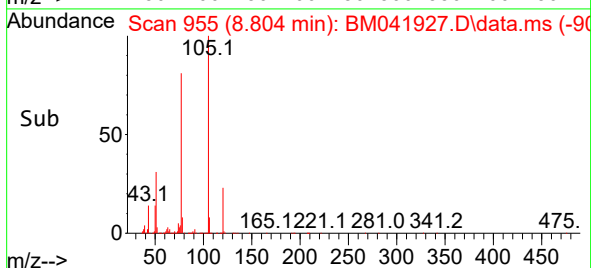
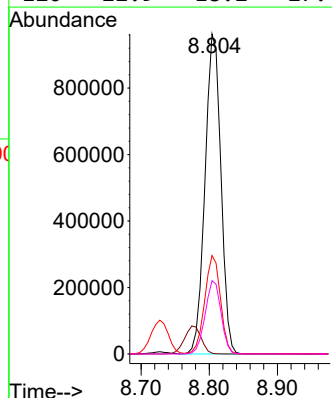
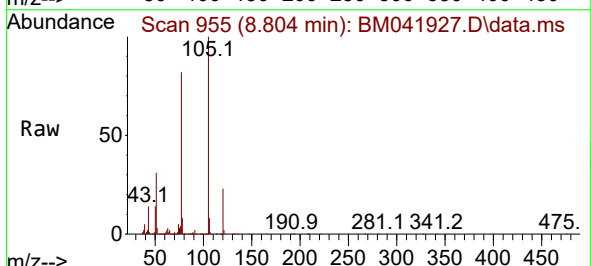
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	13.0
54	8.7	7.0	10.4
68	6.6	5.3	7.9

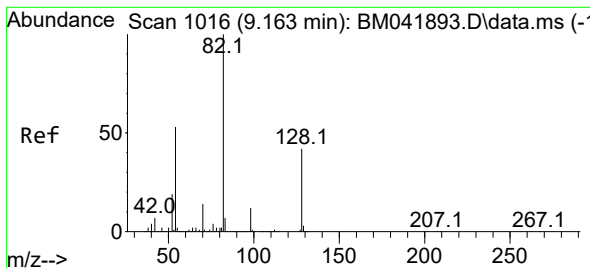


#22
Acetophenone
Concen: 53.414 ng
RT: 8.804 min Scan# 955
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

Tgt Ion:105 Resp: 1562571

Ion	Ratio	Lower	Upper
105	100		
71	0.2	0.2	0.2#
51	30.7	24.3	36.5
120	22.9	18.2	27.4





#23

Nitrobenzene-d5

Concen: 71.759 ng

RT: 9.157 min Scan# 1015

Delta R.T. -0.006 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

Instrument :

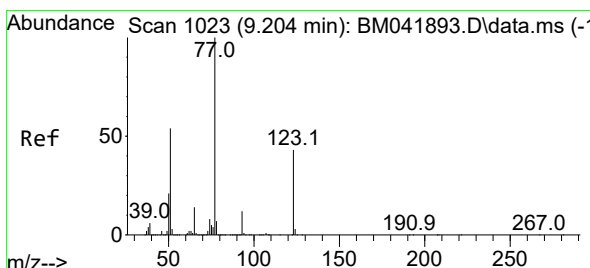
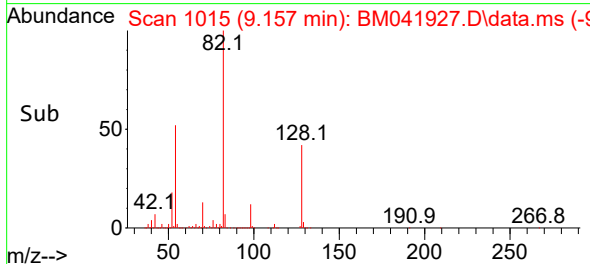
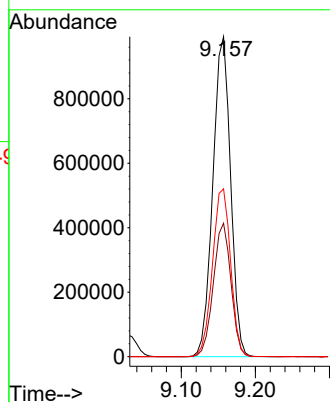
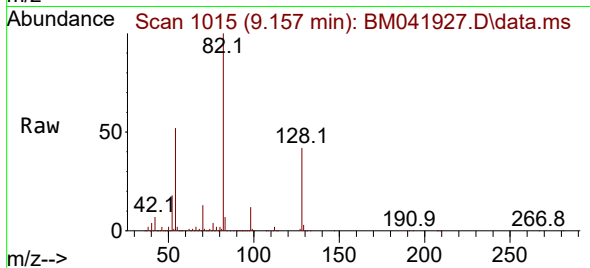
BNA_M

ClientSampleId :

PILE-1MSD

Tgt Ion: 82 Resp: 1649297

Ion	Ratio	Lower	Upper
82	100		
128	41.7	33.8	50.6
54	52.5	42.8	64.2



#24

Nitrobenzene

Concen: 53.529 ng

RT: 9.198 min Scan# 1022

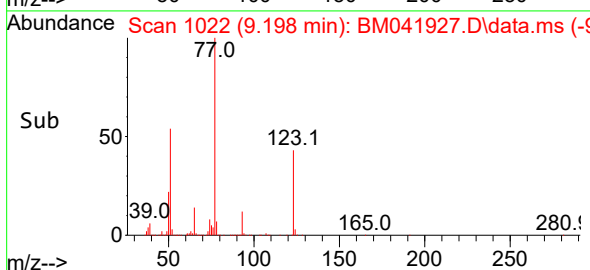
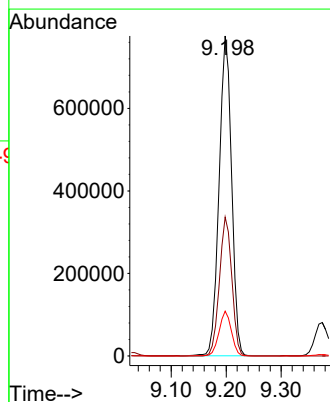
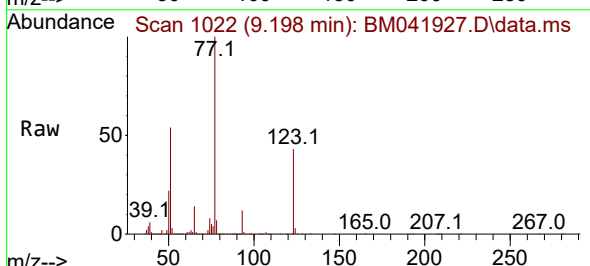
Delta R.T. -0.006 min

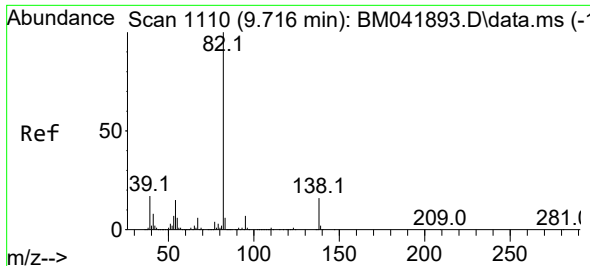
Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

Tgt Ion: 77 Resp: 1221160

Ion	Ratio	Lower	Upper
77	100		
123	43.4	34.6	52.0
65	14.0	11.1	16.7





#25

Isophorone

Concen: 51.369 ng

RT: 9.710 min Scan# 1110

Delta R.T. -0.006 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

Instrument :

BNA_M

ClientSampleId :

PILE-1MSD

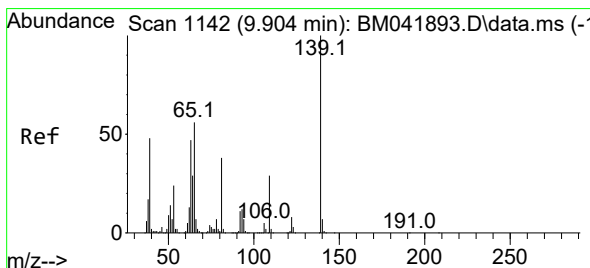
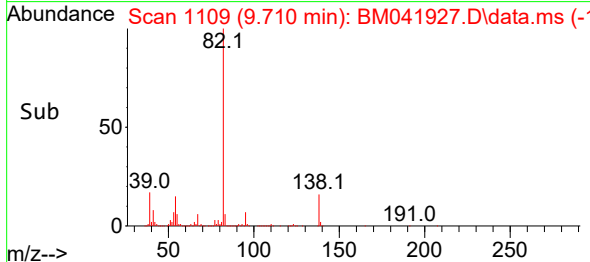
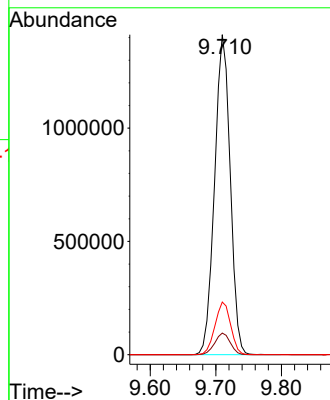
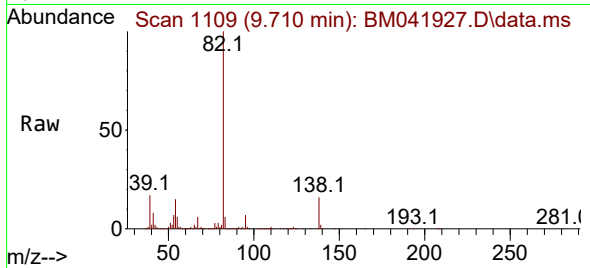
Tgt Ion: 82 Resp: 2330282

Ion Ratio Lower Upper

82 100

95 6.7 5.4 8.0

138 16.4 13.1 19.7



#26

2-Nitrophenol

Concen: 55.831 ng

RT: 9.898 min Scan# 1141

Delta R.T. -0.006 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

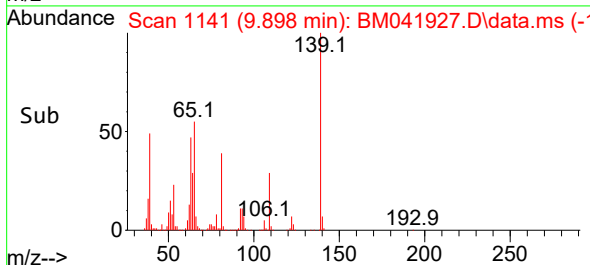
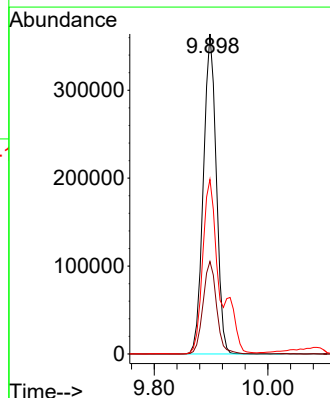
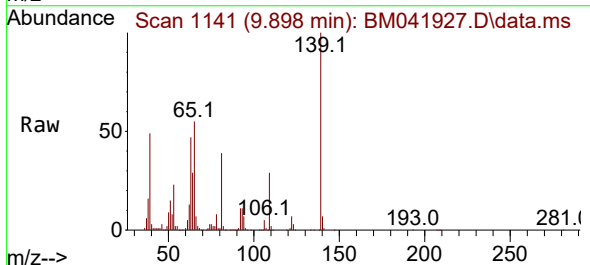
Tgt Ion: 139 Resp: 573666

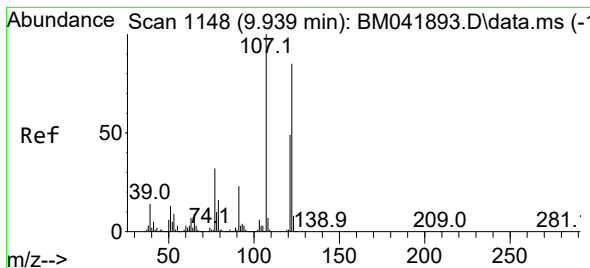
Ion Ratio Lower Upper

139 100

109 28.9 23.0 34.4

65 54.5 44.5 66.7





#27

2,4-Dimethylphenol

Concen: 51.529 ng

RT: 9.933 min Scan# 1147

Delta R.T. -0.006 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

Instrument :

BNA_M

ClientSampleId :

PILE-1MSD

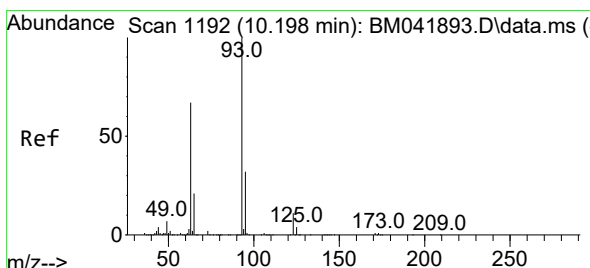
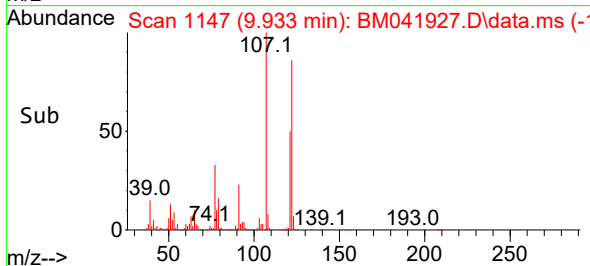
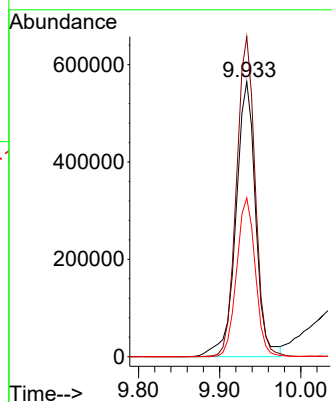
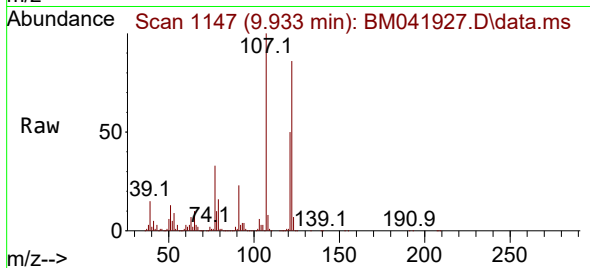
Tgt Ion:122 Resp: 952208

Ion Ratio Lower Upper

122 100

107 116.4 93.8 140.6

121 57.7 46.4 69.6



#28

bis(2-Chloroethoxy)methane

Concen: 53.041 ng

RT: 10.192 min Scan# 1191

Delta R.T. -0.006 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

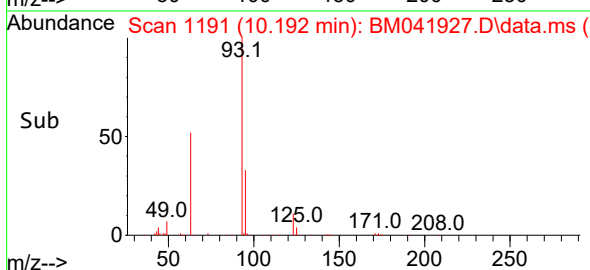
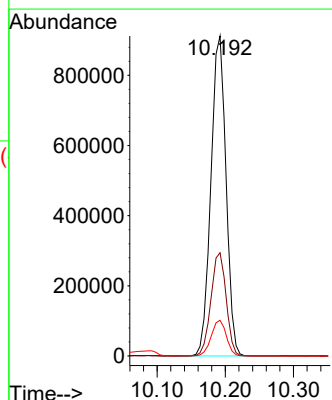
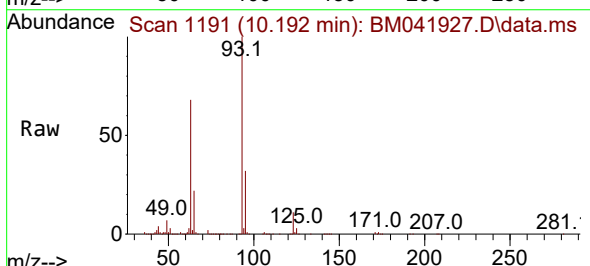
Tgt Ion: 93 Resp: 1406291

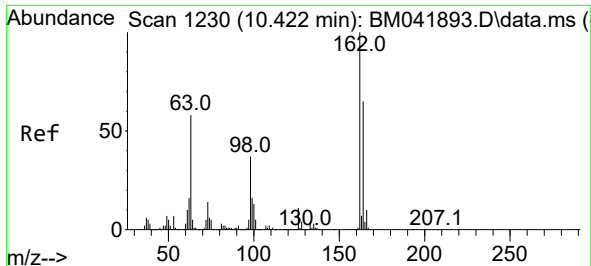
Ion Ratio Lower Upper

93 100

95 32.2 25.9 38.9

123 11.2 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 58.403 ng

RT: 10.416 min Scan# 1229

Delta R.T. -0.006 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

Instrument :

BNA_M

ClientSampleId :

PILE-1MSD

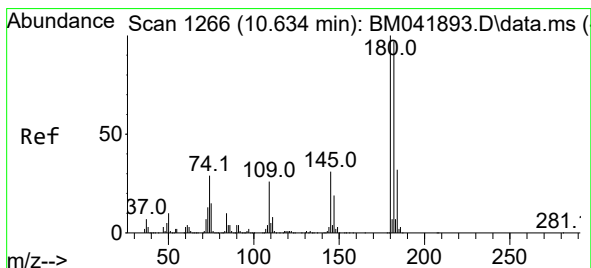
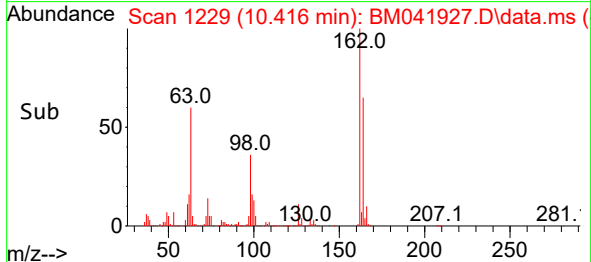
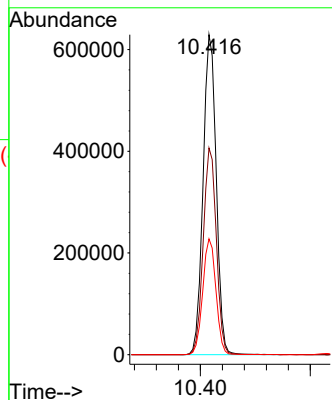
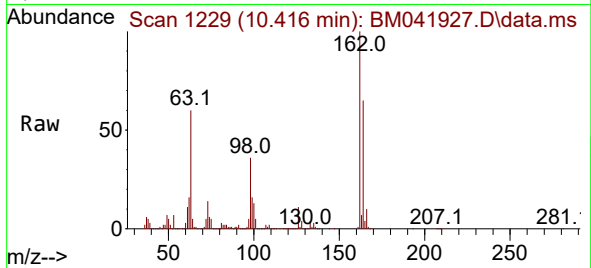
Tgt Ion:162 Resp: 1044421

Ion Ratio Lower Upper

162 100

164 64.6 45.2 85.2

98 36.2 16.7 56.7



#30

1,2,4-Trichlorobenzene

Concen: 54.977 ng

RT: 10.627 min Scan# 1265

Delta R.T. -0.006 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

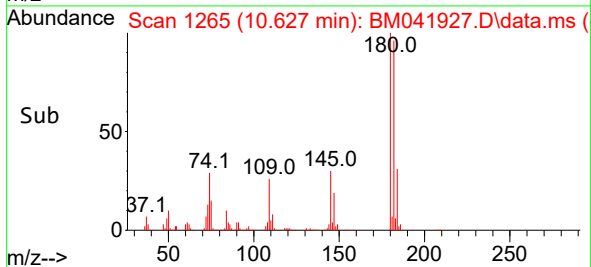
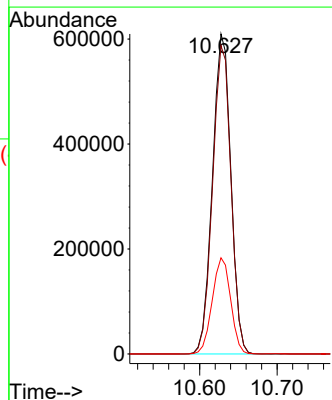
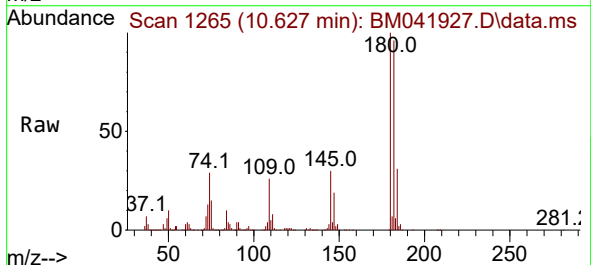
Tgt Ion:180 Resp: 1009397

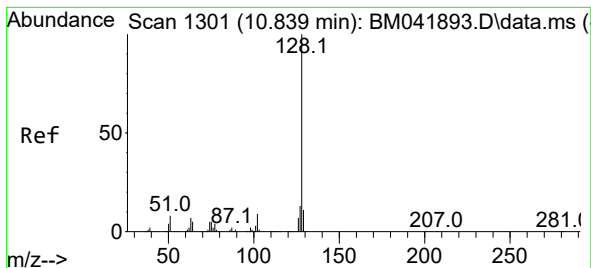
Ion Ratio Lower Upper

180 100

182 96.4 77.7 116.5

145 30.1 24.6 37.0





#31

Naphthalene

Concen: 52.786 ng

RT: 10.833 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

Instrument :

BNA_M

ClientSampleId :

PILE-1MSD

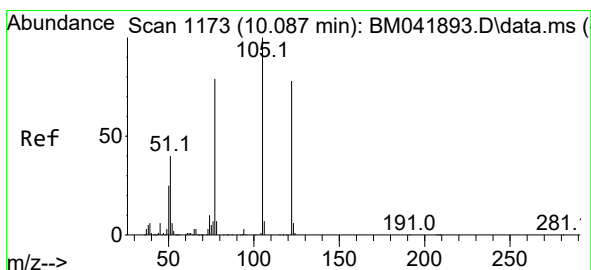
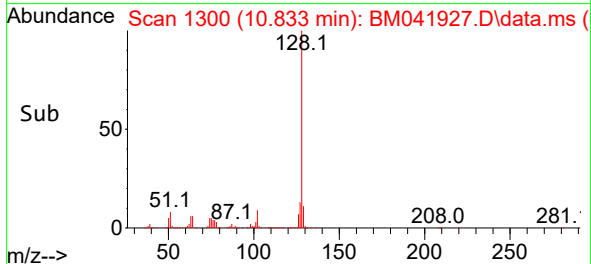
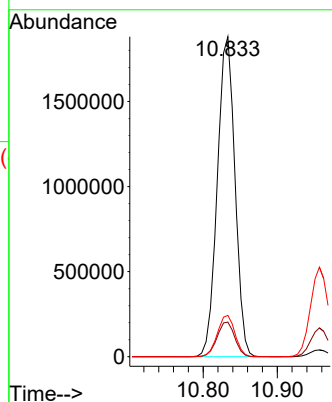
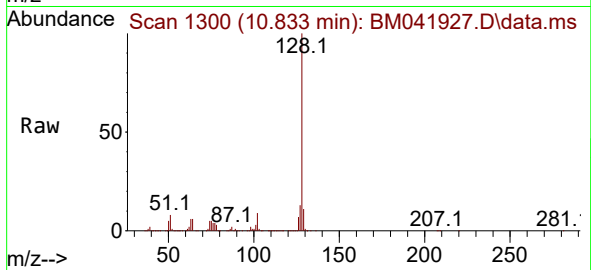
Tgt Ion:128 Resp: 3109796

Ion Ratio Lower Upper

128 100

129 10.8 8.7 13.1

127 12.9 10.4 15.6



#32

Benzoic acid

Concen: 54.667 ng

RT: 10.086 min Scan# 1173

Delta R.T. -0.000 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

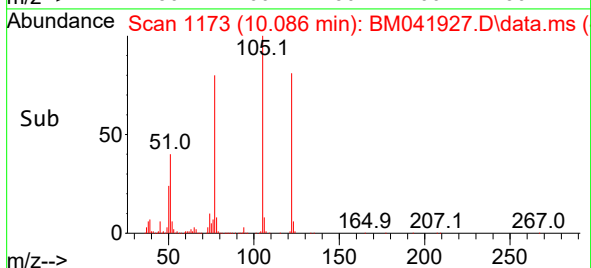
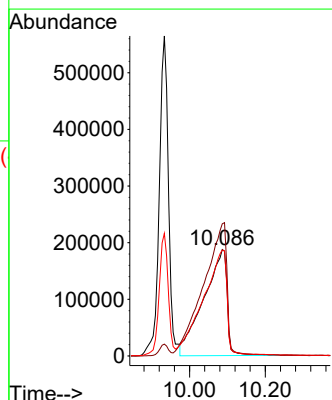
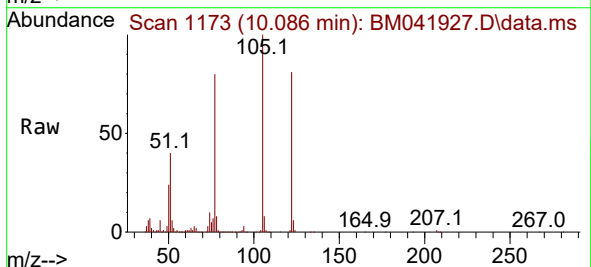
Tgt Ion:122 Resp: 795927

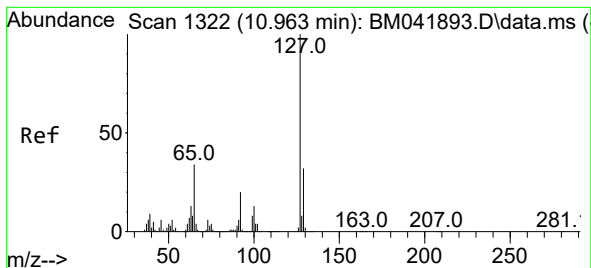
Ion Ratio Lower Upper

122 100

105 124.2 103.7 143.7

77 99.8 79.3 119.3

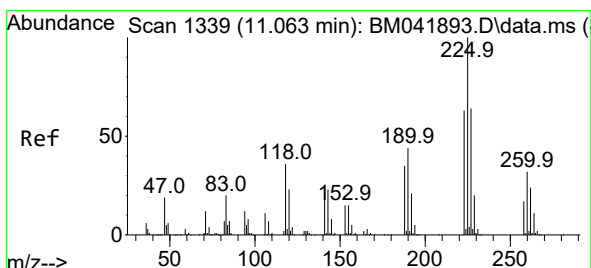
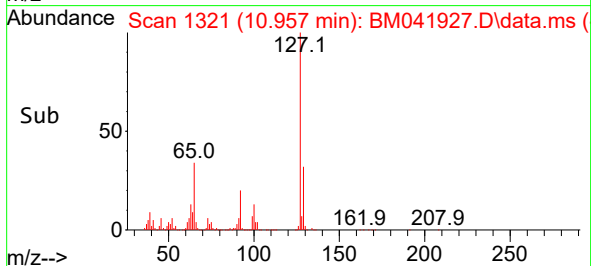
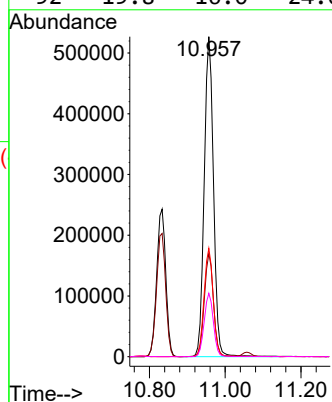
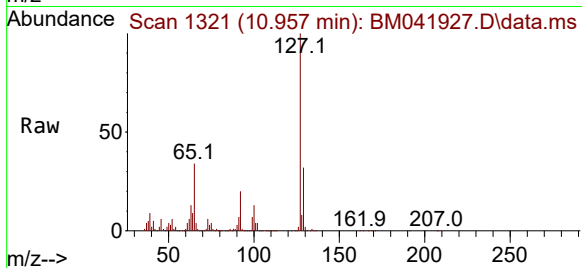




#33
4-Chloroaniline
Concen: 33.945 ng
RT: 10.957 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

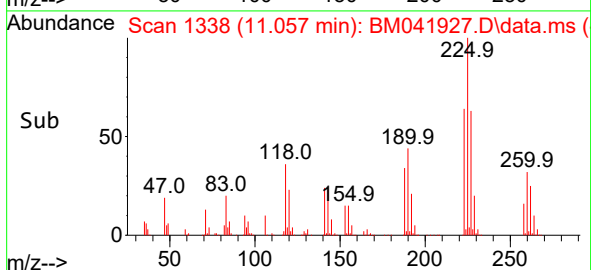
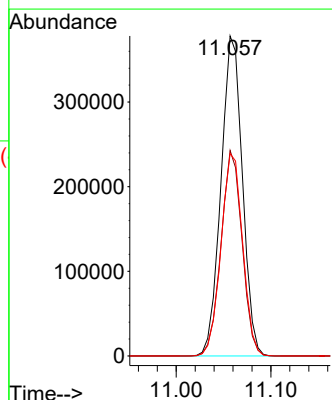
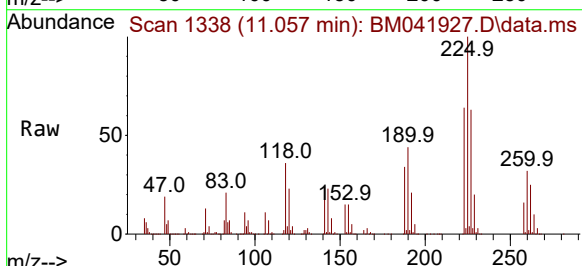
Instrument :
BNA_M
ClientSampleId :
PILE-1MSD

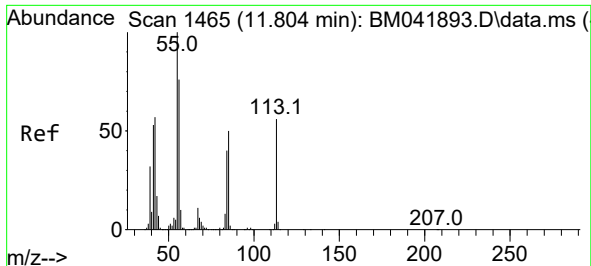
Tgt Ion:	127	Resp:	895061
Ion	Ratio	Lower	Upper
127	100		
129	32.2	25.7	38.5
65	33.8	27.3	40.9
92	19.8	16.0	24.0



#34
Hexachlorobutadiene
Concen: 53.034 ng
RT: 11.057 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

Tgt Ion:	225	Resp:	594756
Ion	Ratio	Lower	Upper
225	100		
223	64.2	50.7	76.1
227	63.2	51.4	77.0

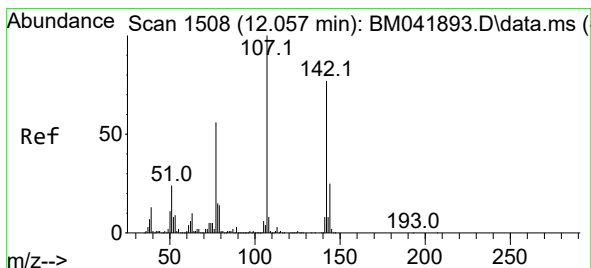
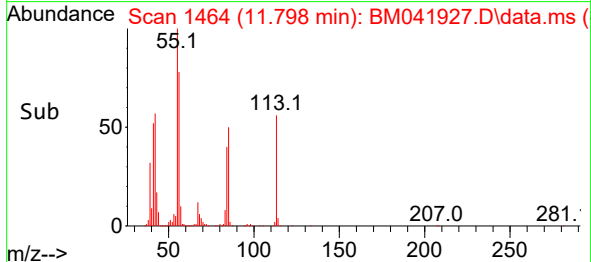
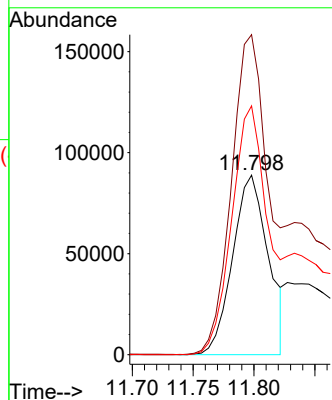
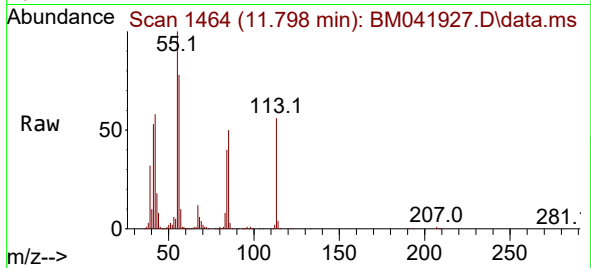




#35
 Caprolactam
 Concen: 28.275 ng
 RT: 11.798 min Scan# 1465
 Delta R.T. -0.006 min
 Lab File: BM041927.D
 Acq: 20 Sep 2023 05:53

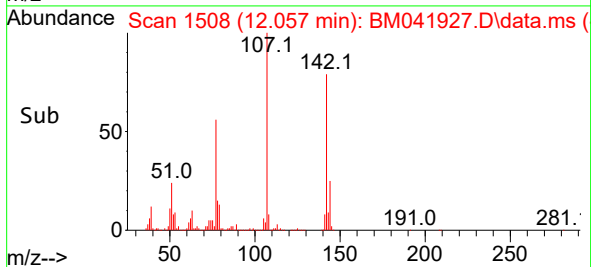
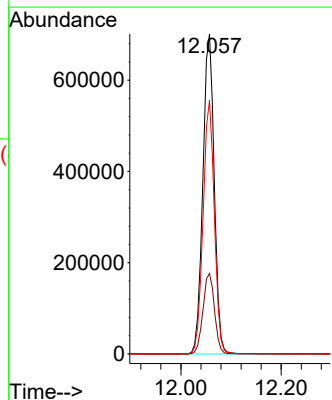
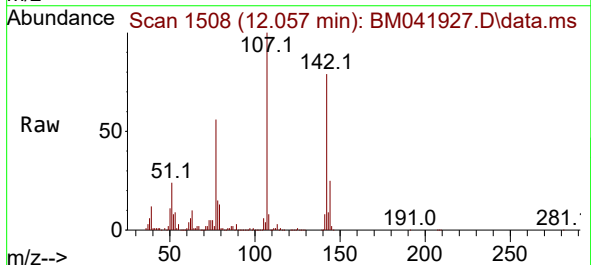
Instrument :
 BNA_M
 ClientSampleId :
 PILE-1MSD

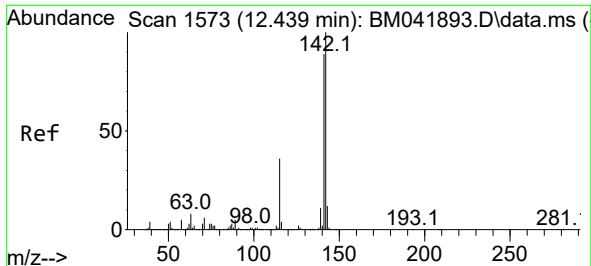
Tgt Ion:113 Resp: 180716
 Ion Ratio Lower Upper
 113 100
 55 178.2 158.5 198.5
 56 138.6 115.8 155.8



#36
 4-Chloro-3-methylphenol
 Concen: 55.415 ng
 RT: 12.057 min Scan# 1508
 Delta R.T. -0.000 min
 Lab File: BM041927.D
 Acq: 20 Sep 2023 05:53

Tgt Ion:107 Resp: 1104397
 Ion Ratio Lower Upper
 107 100
 144 25.2 20.2 30.2
 142 79.3 61.7 92.5





#37

2-Methylnaphthalene

Concen: 49.762 ng

RT: 12.433 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

Instrument :

BNA_M

ClientSampleId :

PILE-1MSD

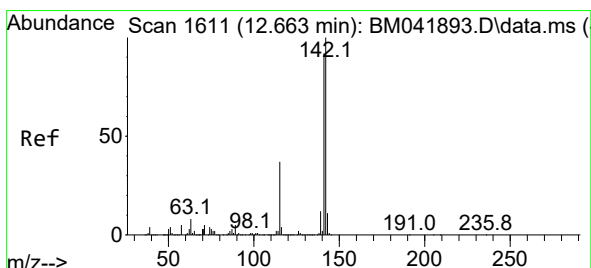
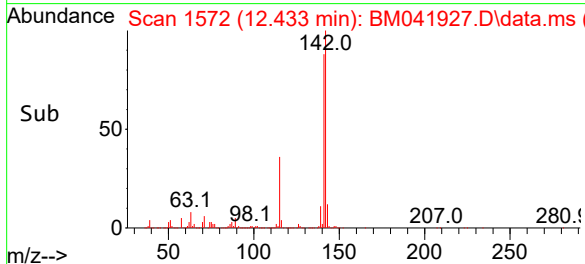
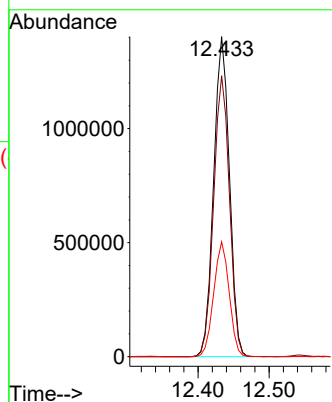
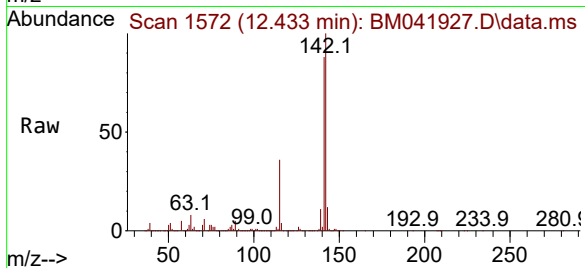
Tgt Ion:142 Resp: 2155529

Ion Ratio Lower Upper

142 100

141 87.8 70.9 106.3

115 35.9 28.5 42.7



#38

1-Methylnaphthalene

Concen: 51.769 ng

RT: 12.657 min Scan# 1610

Delta R.T. -0.006 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

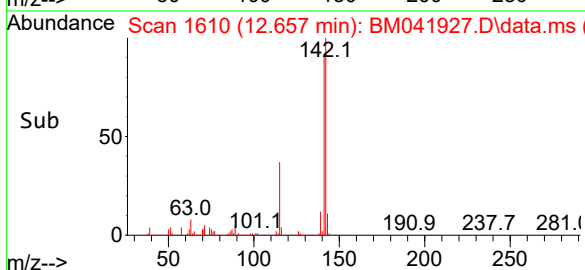
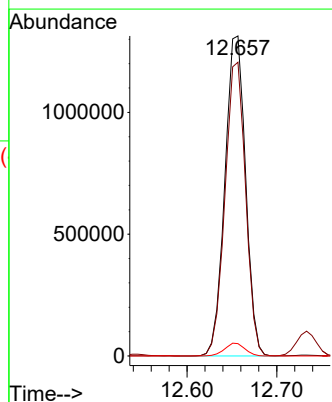
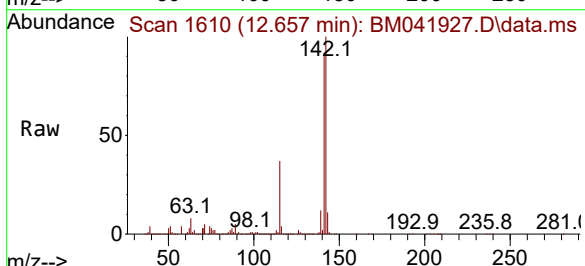
Tgt Ion:142 Resp: 2106074

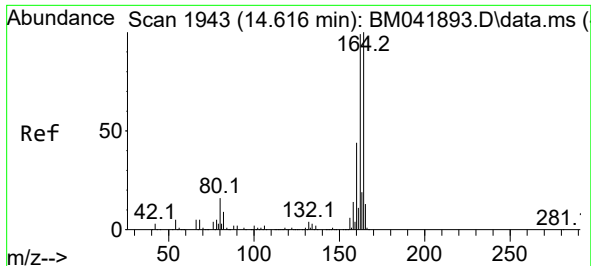
Ion Ratio Lower Upper

142 100

141 91.8 73.8 110.6

116 3.9 3.0 4.6

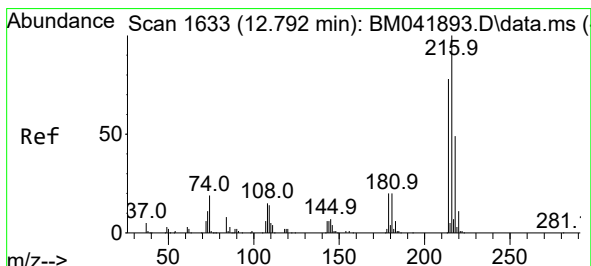
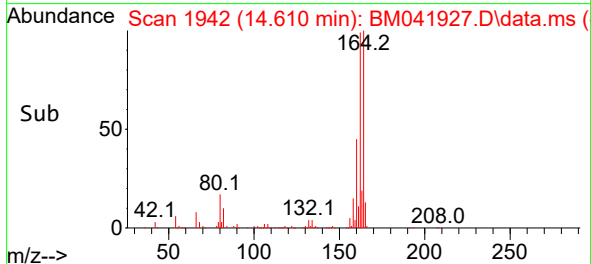
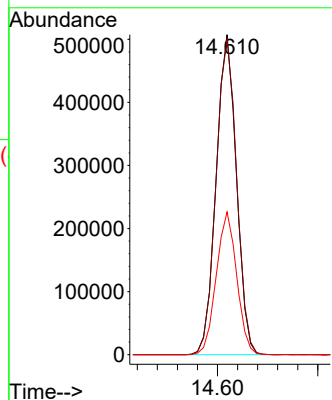
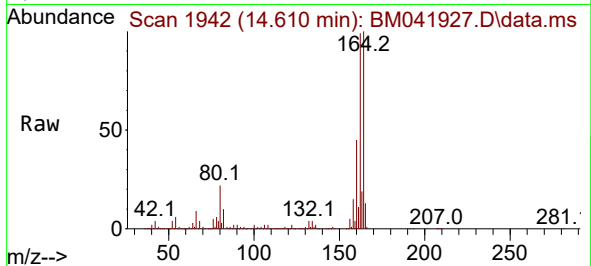




#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.610 min Scan# 1943
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

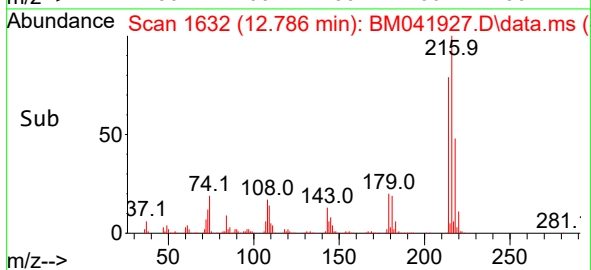
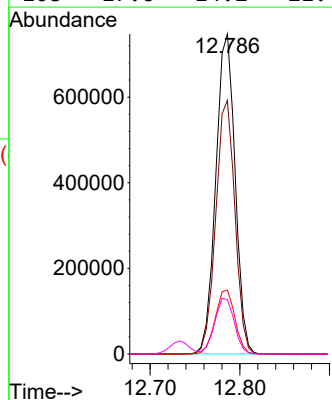
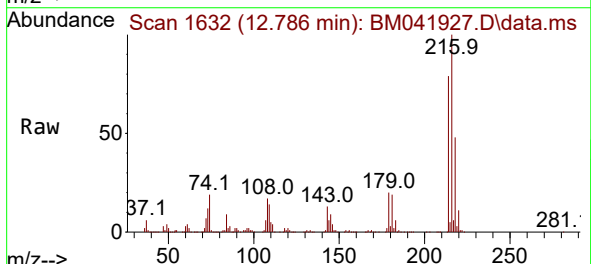
Instrument :
BNA_M
ClientSampleId :
PILE-1MSD

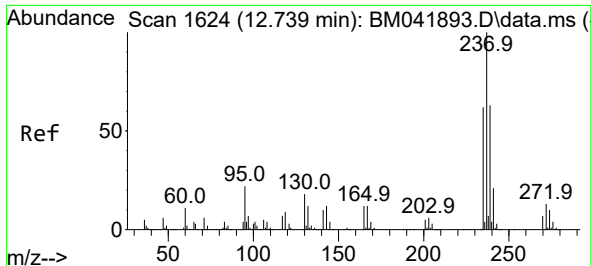
Tgt Ion:164 Resp: 711902
Ion Ratio Lower Upper
164 100
162 98.5 79.3 118.9
160 44.6 35.6 53.4



#40
1,2,4,5-Tetrachlorobenzene
Concen: 54.069 ng
RT: 12.786 min Scan# 1632
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

Tgt Ion:216 Resp: 1116305
Ion Ratio Lower Upper
216 100
214 78.6 62.6 93.8
179 20.4 16.3 24.5
108 17.6 14.2 21.4

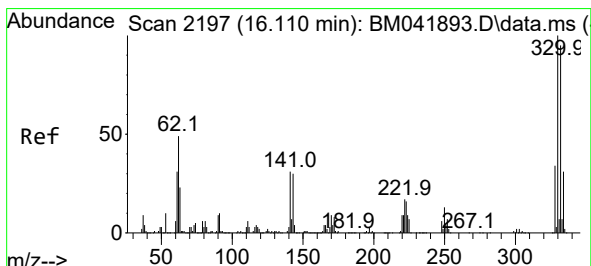
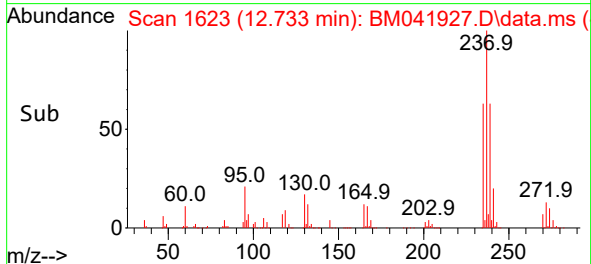
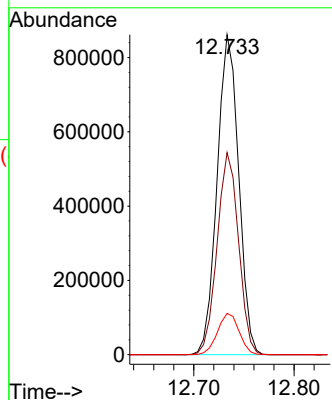
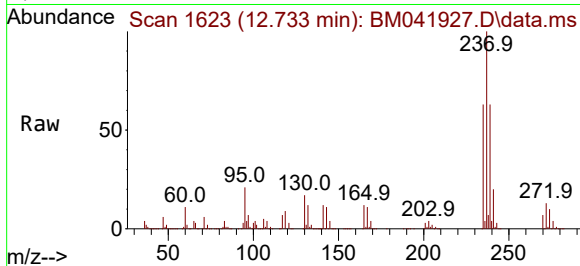




#41
Hexachlorocyclopentadiene
Concen: 110.811 ng
RT: 12.733 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

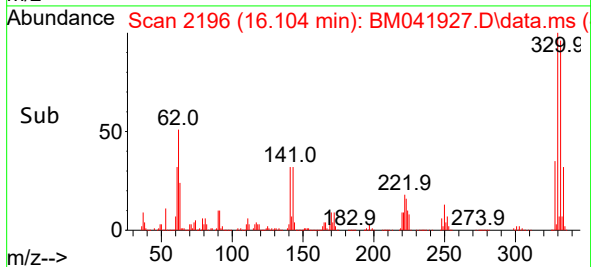
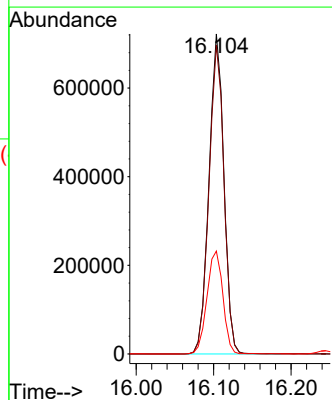
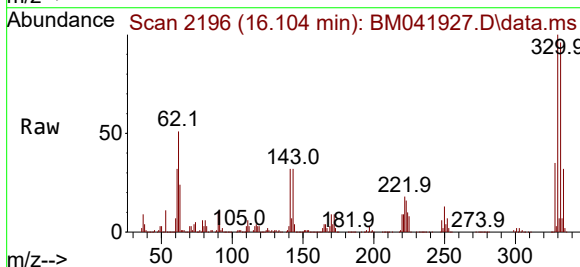
Instrument :
BNA_M
ClientSampleId :
PILE-1MSD

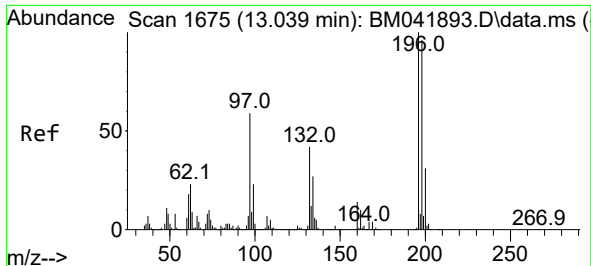
Tgt Ion:237 Resp: 1286387
Ion Ratio Lower Upper
237 100
235 63.1 42.0 82.0
272 12.9 0.0 32.9



#42
2,4,6-Tribromophenol
Concen: 108.834 ng
RT: 16.104 min Scan# 2196
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

Tgt Ion:330 Resp: 966704
Ion Ratio Lower Upper
330 100
332 97.1 77.8 116.6
141 34.2 27.0 40.4

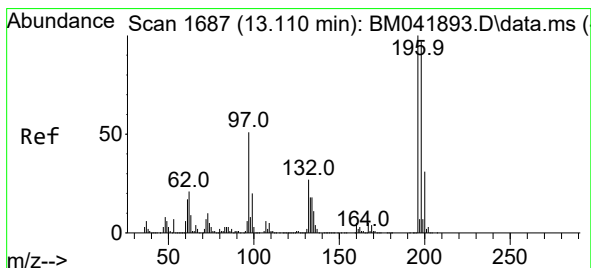
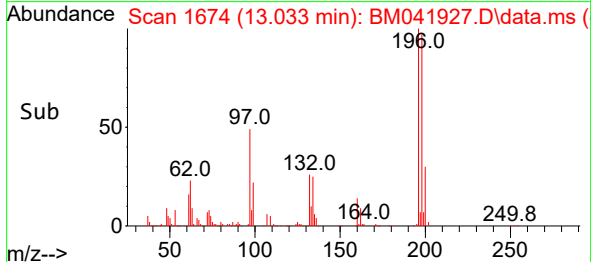
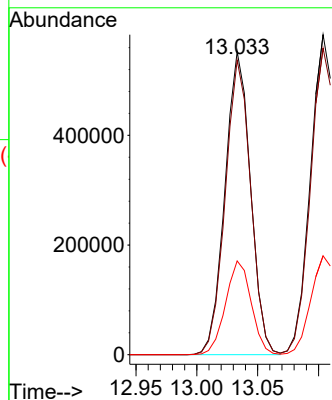
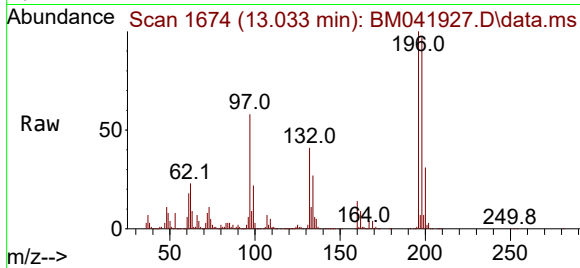




#43
2,4,6-Trichlorophenol
Concen: 57.484 ng
RT: 13.033 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

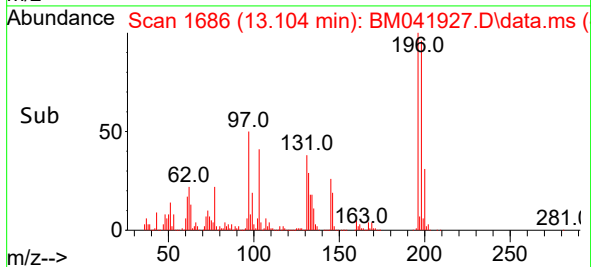
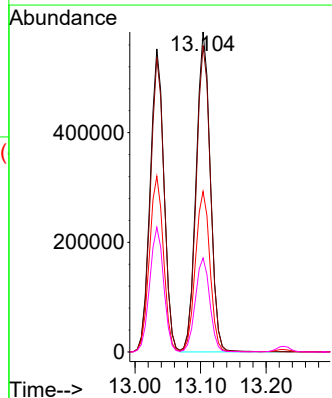
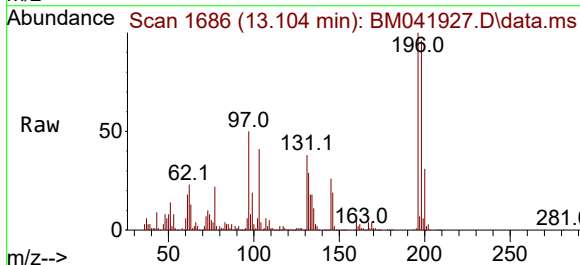
Instrument :
BNA_M
ClientSampleId :
PILE-1MSD

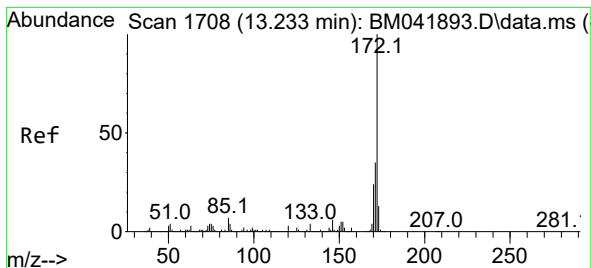
Tgt Ion:196 Resp: 807666
Ion Ratio Lower Upper
196 100
198 97.2 76.9 115.3
200 30.9 24.7 37.1



#44
2,4,5-Trichlorophenol
Concen: 53.365 ng
RT: 13.104 min Scan# 1686
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

Tgt Ion:196 Resp: 877519
Ion Ratio Lower Upper
196 100
198 95.8 77.2 115.8
97 50.2 41.1 61.7
132 29.3 21.8 32.6





#45

2-Fluorobiphenyl

Concen: 73.526 ng

RT: 13.227 min Scan# 1707

Delta R.T. -0.006 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

Instrument :

BNA_M

ClientSampleId :

PILE-1MSD

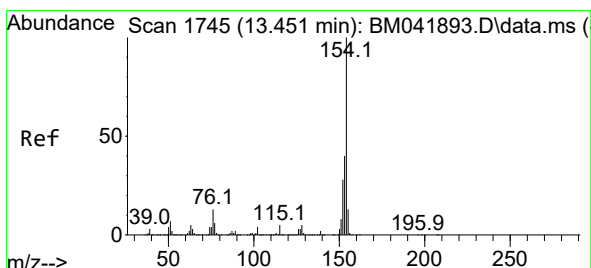
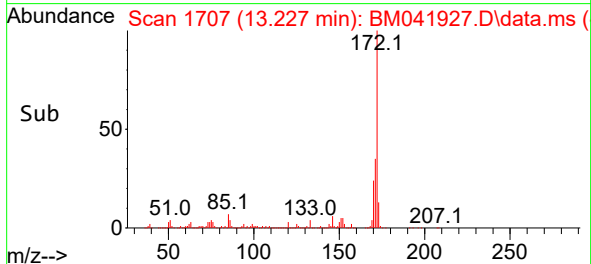
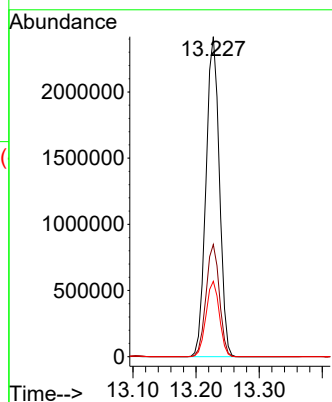
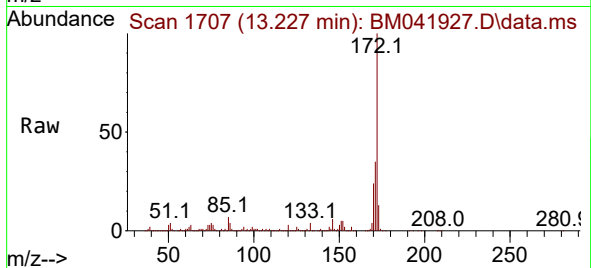
Tgt Ion:172 Resp: 3566181

Ion Ratio Lower Upper

172 100

171 35.0 28.2 42.4

170 23.6 19.1 28.7



#46

1,1'-Biphenyl

Concen: 54.561 ng

RT: 13.445 min Scan# 1744

Delta R.T. -0.006 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

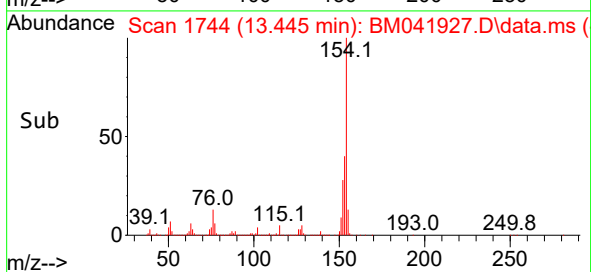
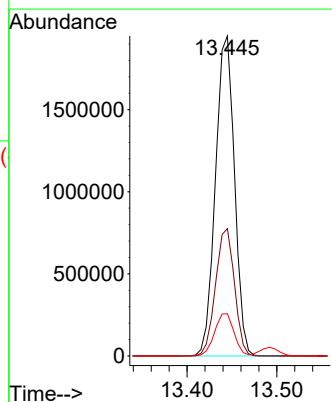
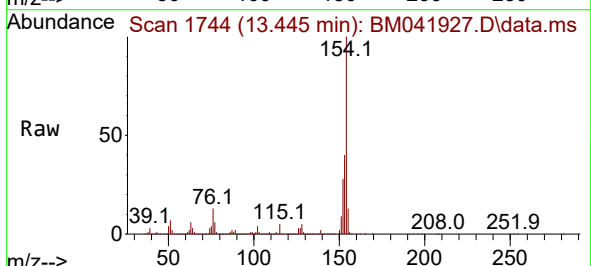
Tgt Ion:154 Resp: 2865851

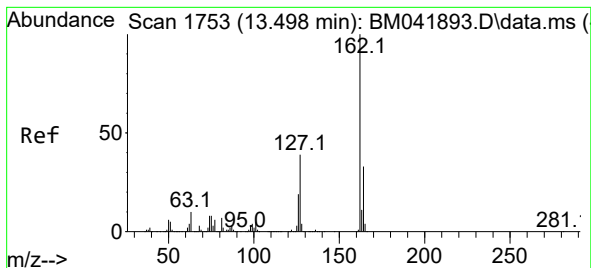
Ion Ratio Lower Upper

154 100

153 39.8 19.9 59.9

76 13.2 0.0 33.1

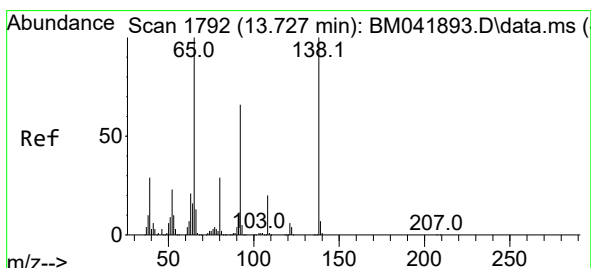
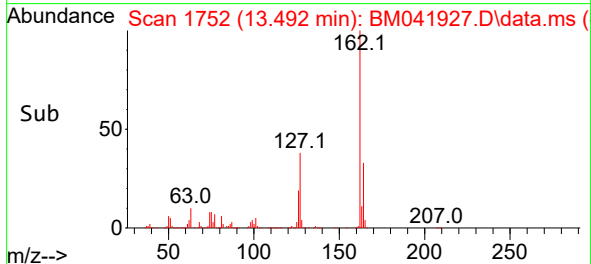
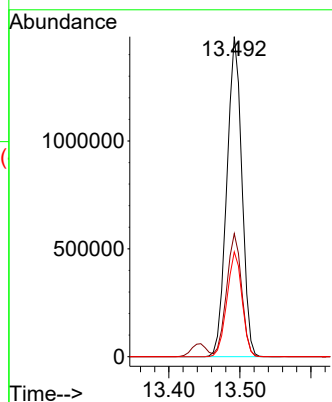
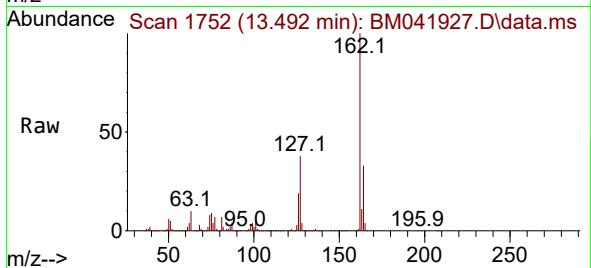




#47
2-Chloronaphthalene
Concen: 57.024 ng
RT: 13.492 min Scan# 1753
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

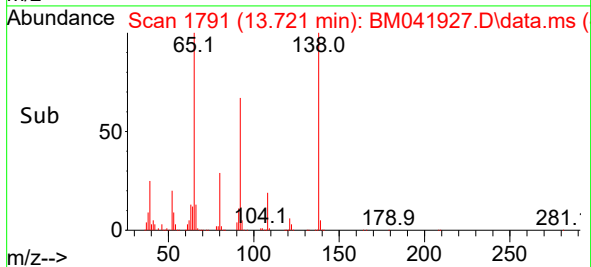
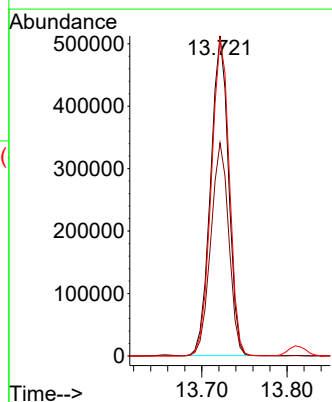
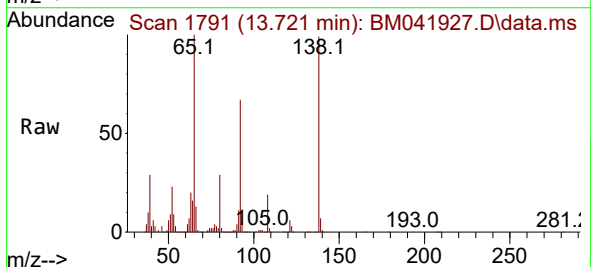
Instrument :
BNA_M
ClientSampleId :
PILE-1MSD

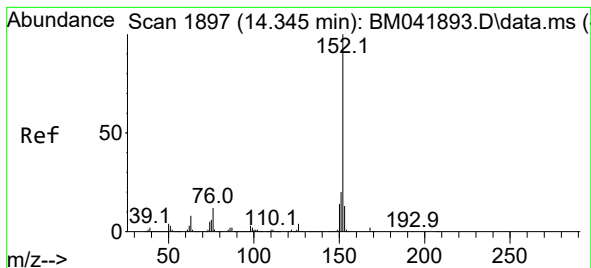
Tgt Ion:162 Resp: 2181274
Ion Ratio Lower Upper
162 100
127 38.4 31.0 46.4
164 32.8 26.1 39.1



#48
2-Nitroaniline
Concen: 54.901 ng
RT: 13.721 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

Tgt Ion: 65 Resp: 750413
Ion Ratio Lower Upper
65 100
92 66.6 52.8 79.2
138 99.1 80.3 120.5





#49

Acenaphthylene

Concen: 56.708 ng

RT: 14.339 min Scan# 1896

Delta R.T. -0.006 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

Instrument :

BNA_M

ClientSampleId :

PILE-1MSD

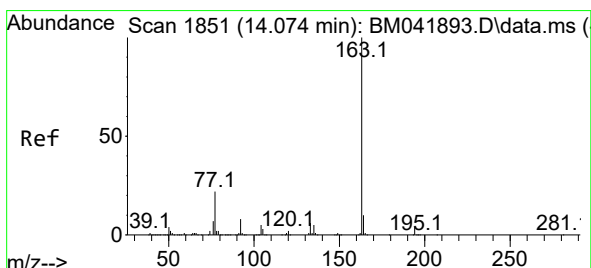
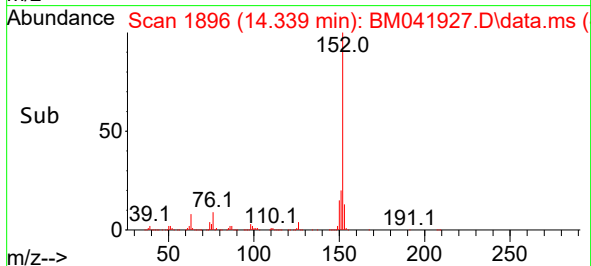
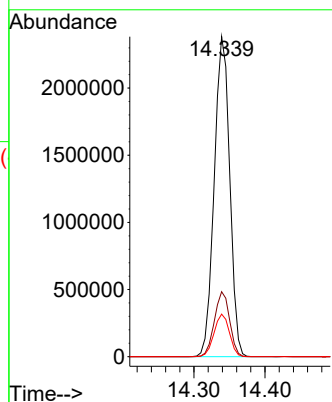
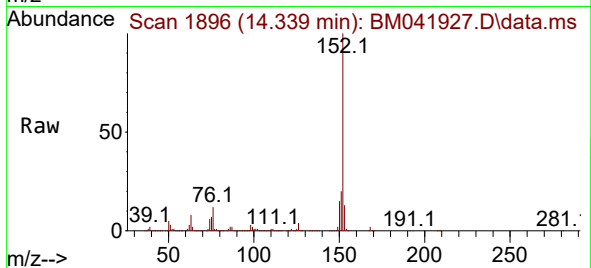
Tgt Ion:152 Resp: 3599866

Ion Ratio Lower Upper

152 100

151 20.3 15.8 23.8

153 13.3 10.5 15.7



#50

Dimethylphthalate

Concen: 52.936 ng

RT: 14.074 min Scan# 1851

Delta R.T. -0.000 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

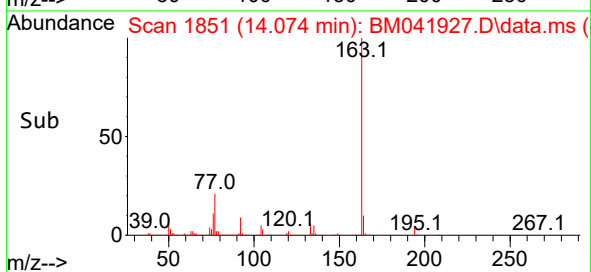
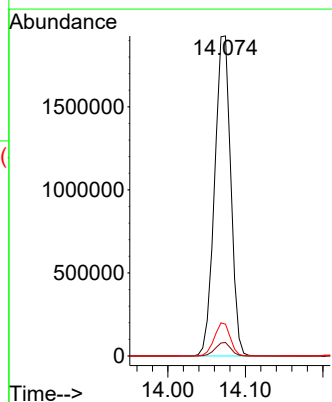
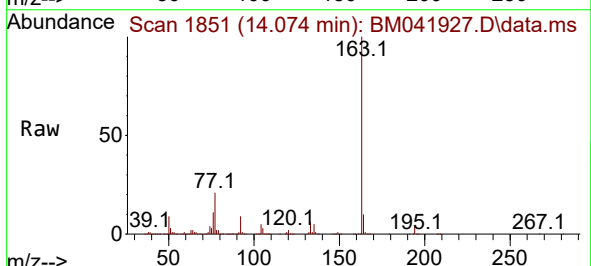
Tgt Ion:163 Resp: 2786009

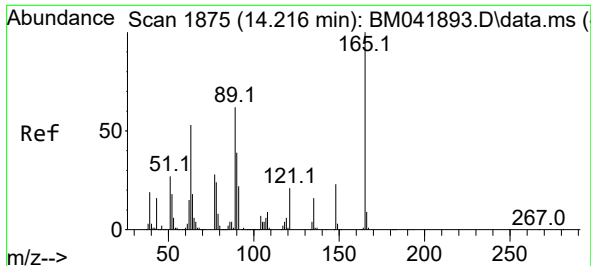
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

164 9.9 8.2 12.4

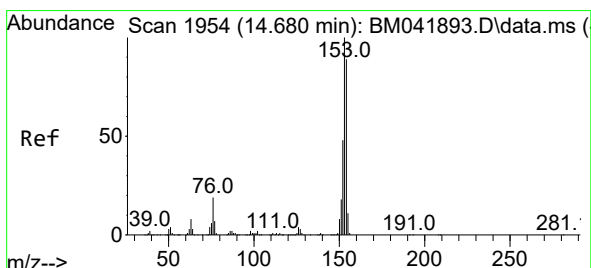
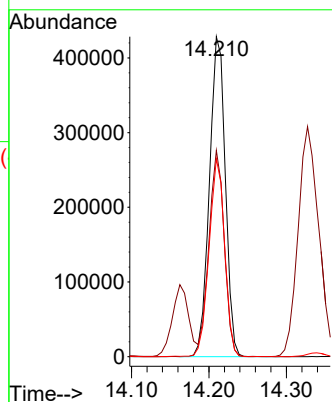
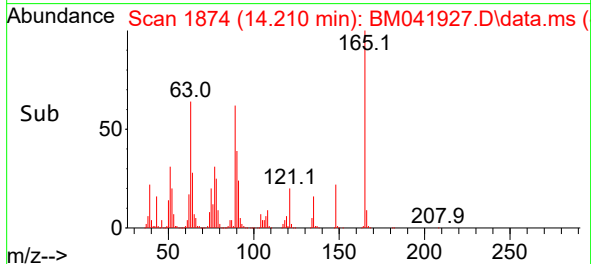
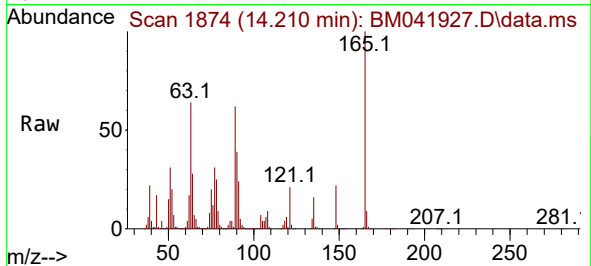




#51
2,6-Dinitrotoluene
Concen: 54.764 ng
RT: 14.210 min Scan# 1874
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

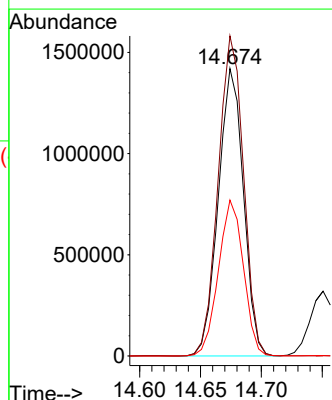
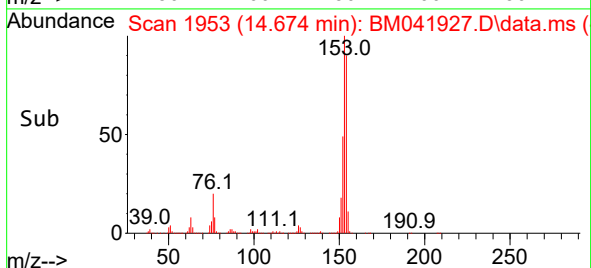
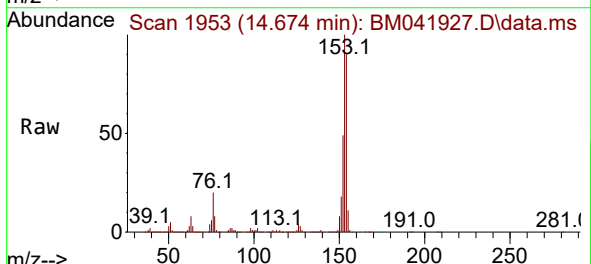
Instrument :
BNA_M
ClientSampleId :
PILE-1MSD

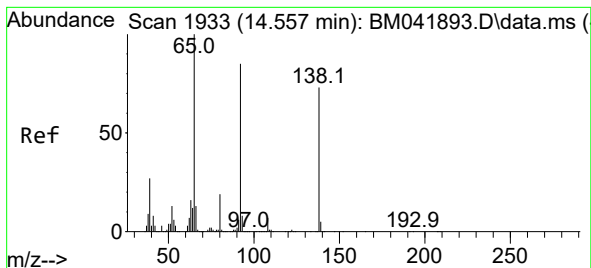
Tgt Ion:165 Resp: 610802
Ion Ratio Lower Upper
165 100
63 64.4 50.2 75.2
89 61.8 49.3 73.9



#52
Acenaphthene
Concen: 53.532 ng
RT: 14.674 min Scan# 1953
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

Tgt Ion:154 Resp: 2043934
Ion Ratio Lower Upper
154 100
153 111.4 90.3 135.5
152 54.3 43.4 65.2

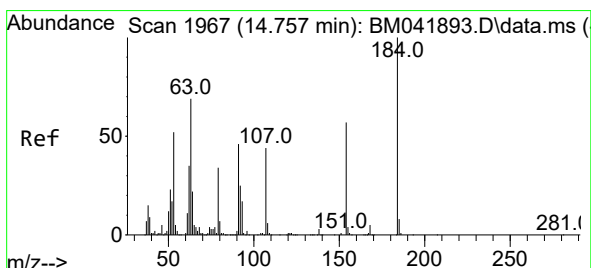
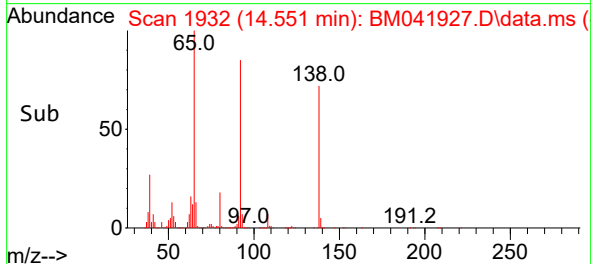
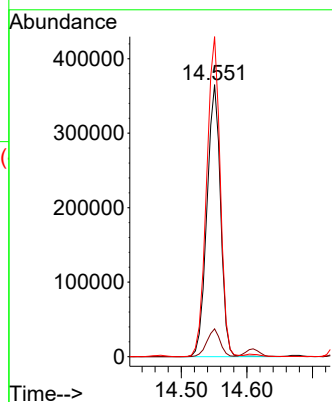
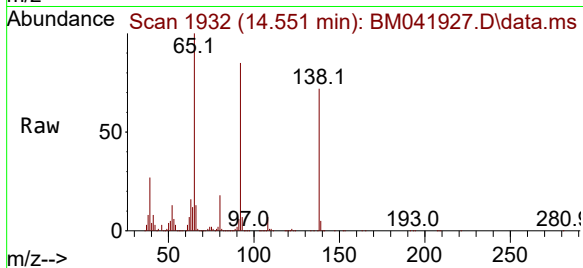




#53
3-Nitroaniline
Concen: 42.269 ng
RT: 14.551 min Scan# 1932
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

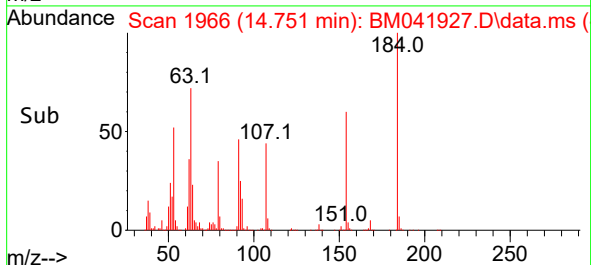
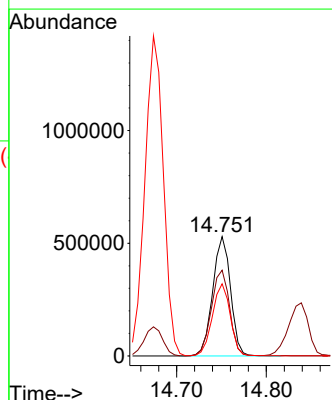
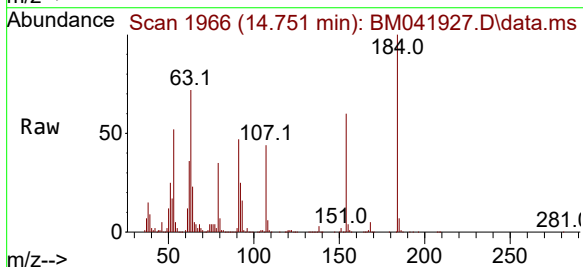
Instrument :
BNA_M
ClientSampleId :
PILE-1MSD

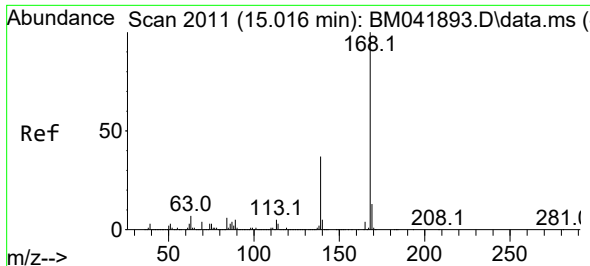
Tgt Ion:138 Resp: 527664
Ion Ratio Lower Upper
138 100
108 10.2 8.0 12.0
92 117.7 93.6 140.4



#54
2,4-Dinitrophenol
Concen: 105.084 ng
RT: 14.751 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

Tgt Ion:184 Resp: 731991
Ion Ratio Lower Upper
184 100
63 71.9 55.8 83.8
154 60.4 48.9 73.3

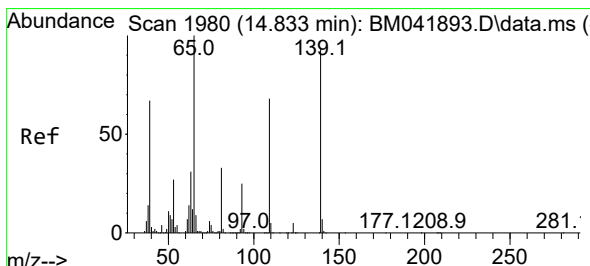
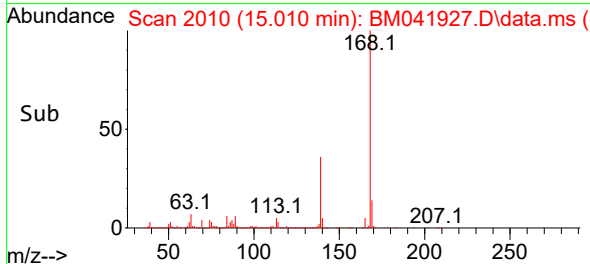
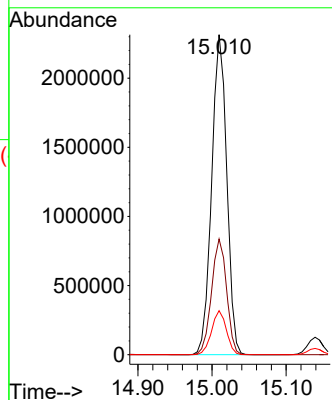
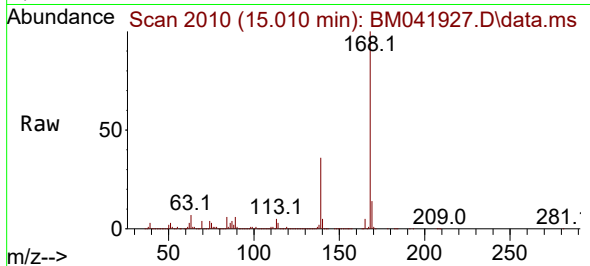




#55
Dibenzenofuran
Concen: 53.006 ng
RT: 15.010 min Scan# 20
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

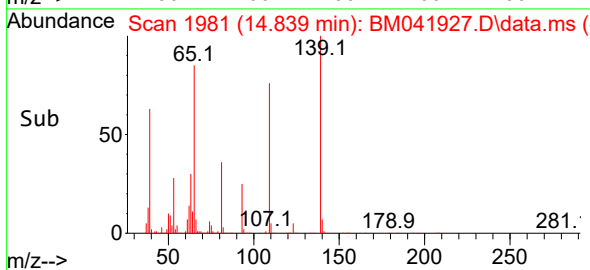
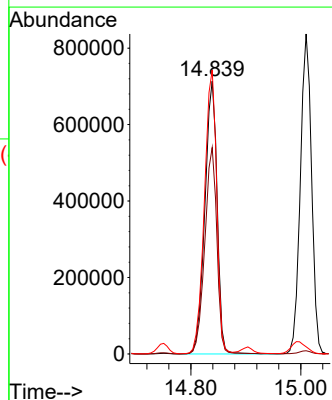
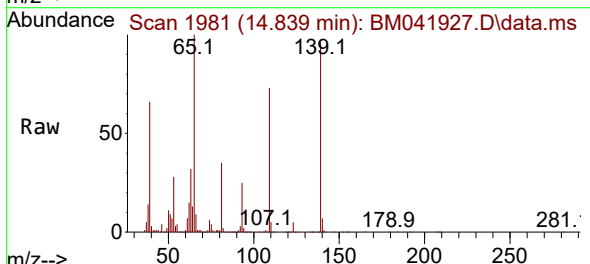
Instrument :
BNA_M
ClientSampleId :
PILE-1MSD

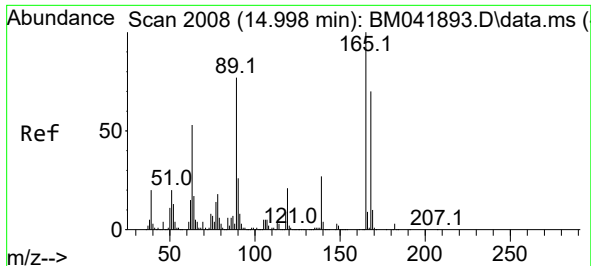
Tgt Ion:168 Resp: 3266935
Ion Ratio Lower Upper
168 100
139 36.2 29.4 44.2
169 13.7 10.8 16.2



#56
4-Nitrophenol
Concen: 111.303 ng
RT: 14.839 min Scan# 1981
Delta R.T. 0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

Tgt Ion:139 Resp: 1101974
Ion Ratio Lower Upper
139 100
109 75.7 53.4 93.4
65 104.1 87.4 127.4





#57

2,4-Dinitrotoluene

Concen: 54.857 ng

RT: 14.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

Instrument :

BNA_M

ClientSampleId :

PILE-1MSD

Tgt Ion:165 Resp: 809491

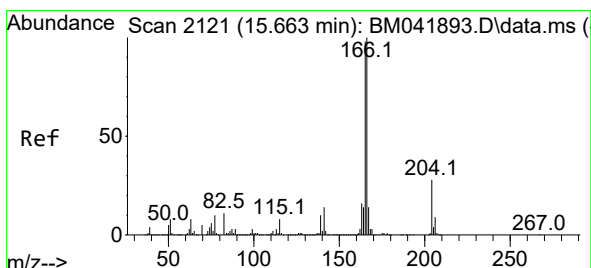
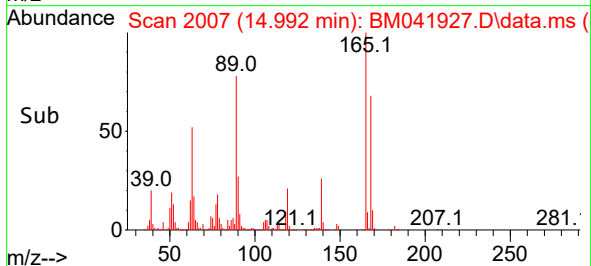
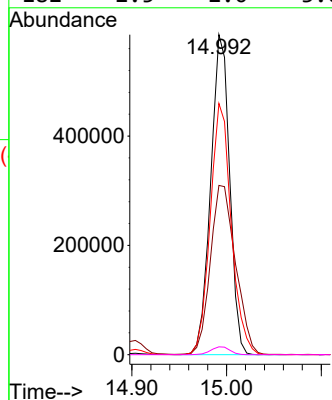
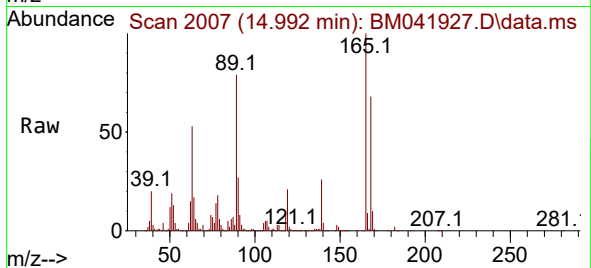
Ion Ratio Lower Upper

165 100

63 52.9 42.3 63.5

89 78.5 61.8 92.6

182 2.5 2.0 3.0



#58

Fluorene

Concen: 52.929 ng

RT: 15.657 min Scan# 2120

Delta R.T. -0.006 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

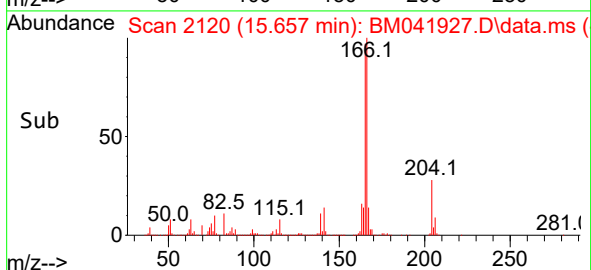
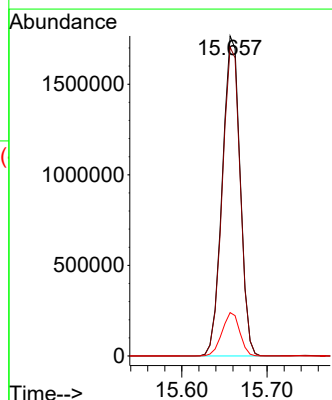
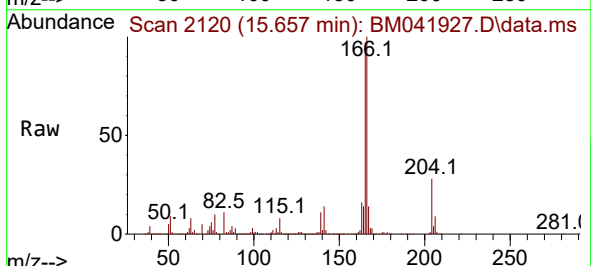
Tgt Ion:166 Resp: 2571816

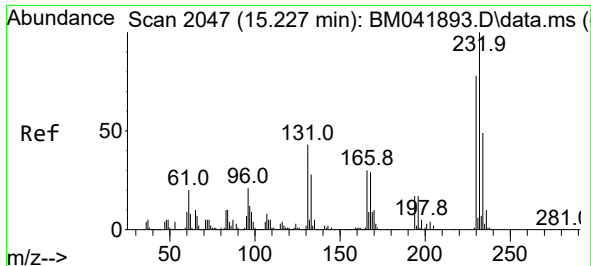
Ion Ratio Lower Upper

166 100

165 96.5 78.2 117.2

167 13.6 11.0 16.6





#59

2,3,4,6-Tetrachlorophenol

Concen: 54.224 ng

RT: 15.221 min Scan# 2046

Delta R.T. -0.006 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

Instrument :

BNA_M

ClientSampleId :

PILE-1MSD

Tgt Ion:232 Resp: 731859

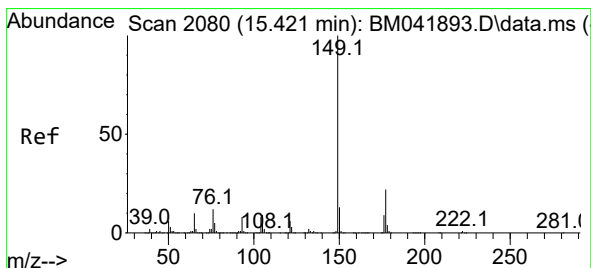
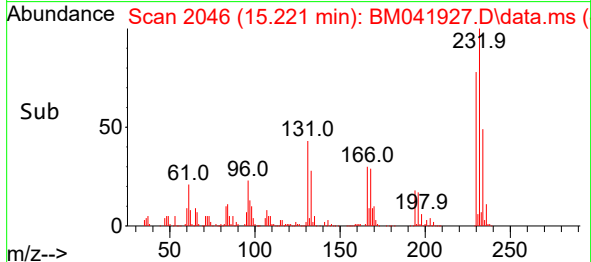
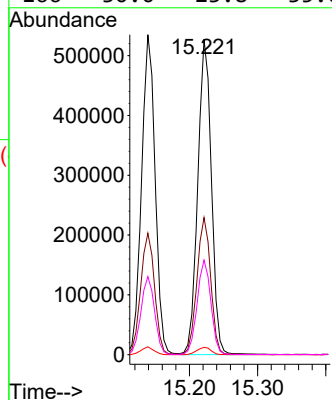
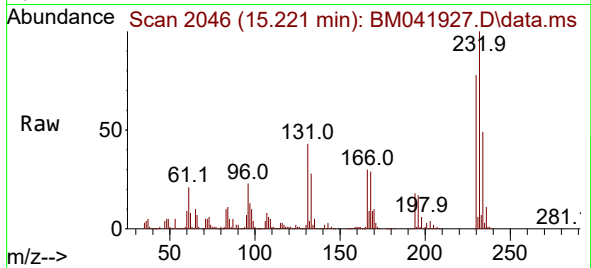
Ion Ratio Lower Upper

232 100

131 43.8 34.6 51.8

130 2.4 1.8 2.8

166 30.0 23.8 35.6



#60

Diethylphthalate

Concen: 51.753 ng

RT: 15.421 min Scan# 2080

Delta R.T. -0.000 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

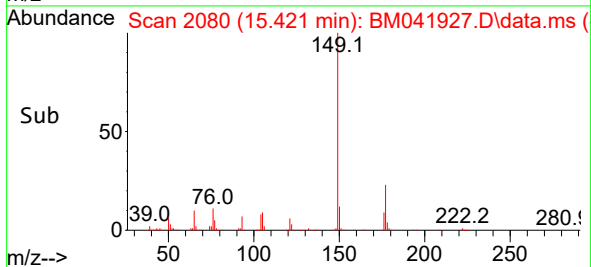
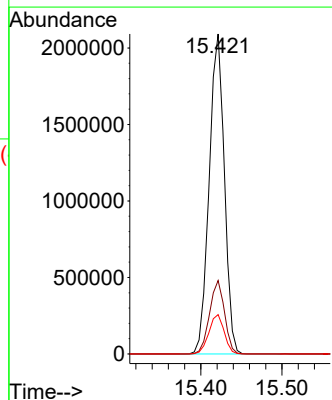
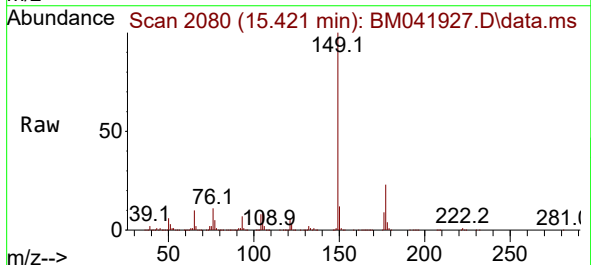
Tgt Ion:149 Resp: 2709449

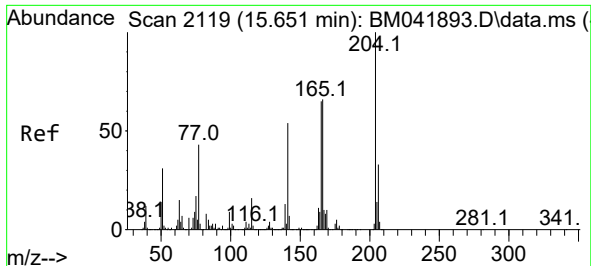
Ion Ratio Lower Upper

149 100

177 22.9 17.9 26.9

150 12.3 10.1 15.1

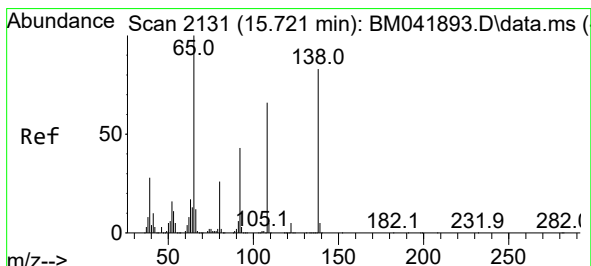
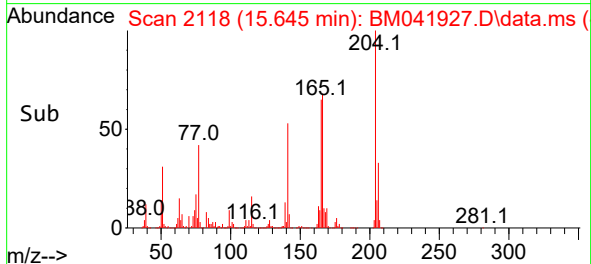
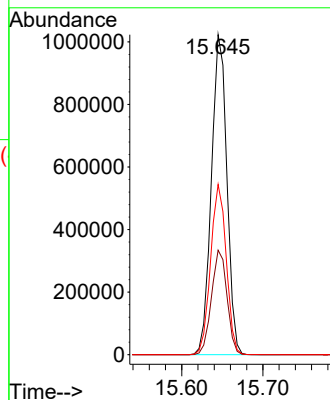
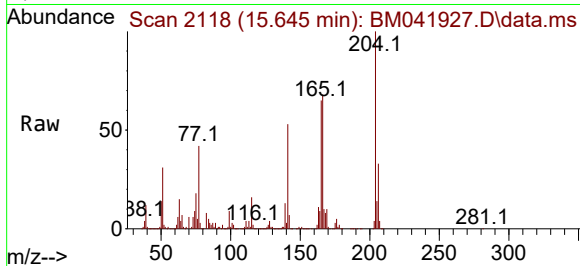




#61
4-Chlorophenyl-phenylether
Concen: 53.024 ng
RT: 15.645 min Scan# 2118
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

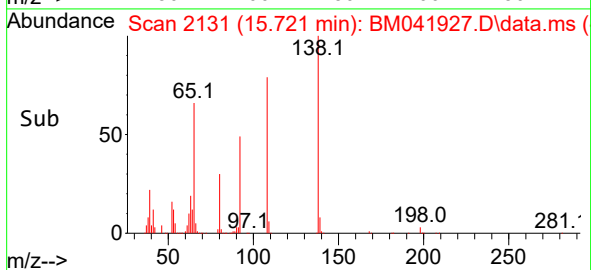
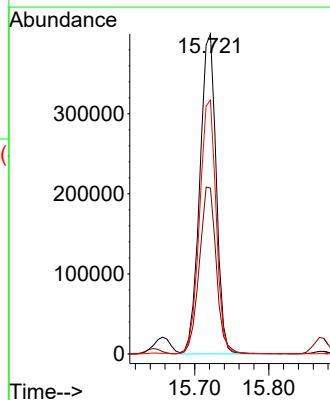
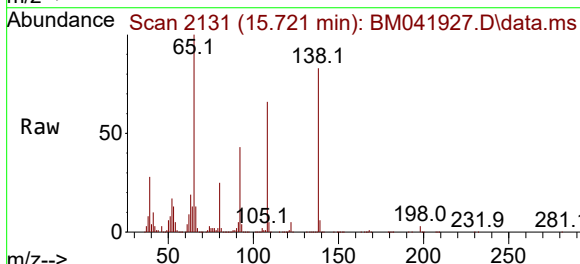
Instrument :
BNA_M
ClientSampleId :
PILE-1MSD

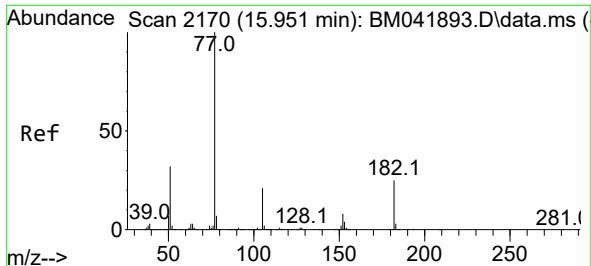
Tgt Ion:204 Resp: 1351640
Ion Ratio Lower Upper
204 100
206 32.7 26.1 39.1
141 53.2 43.6 65.4



#62
4-Nitroaniline
Concen: 51.048 ng
RT: 15.721 min Scan# 2131
Delta R.T. -0.000 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

Tgt Ion:138 Resp: 612800
Ion Ratio Lower Upper
138 100
92 51.8 32.3 72.3
108 79.4 59.0 99.0



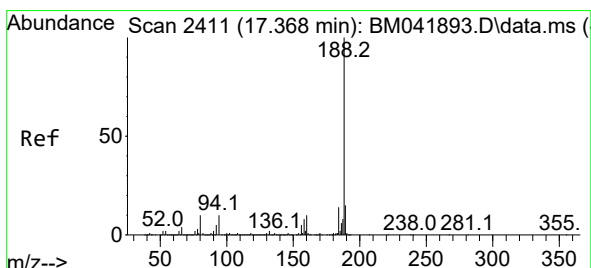
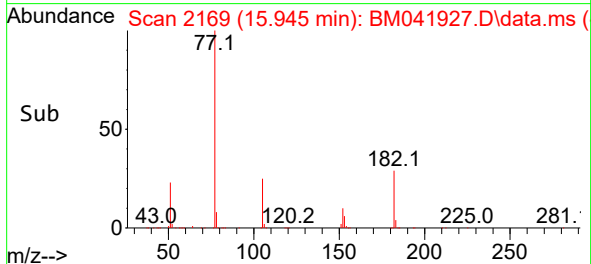
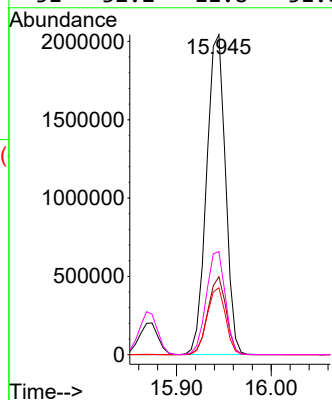
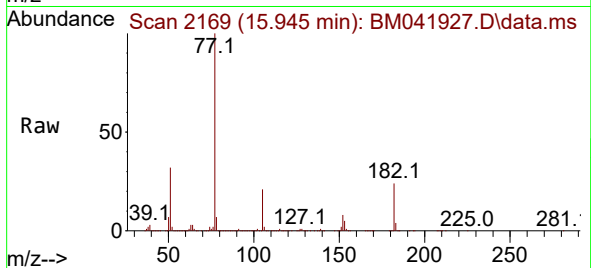


#63
Azobenzene
Concen: 53.185 ng
RT: 15.945 min Scan# 2170
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

Instrument :
BNA_M
ClientSampleId :
PILE-1MSD

Tgt Ion: 77 Resp: 2822792

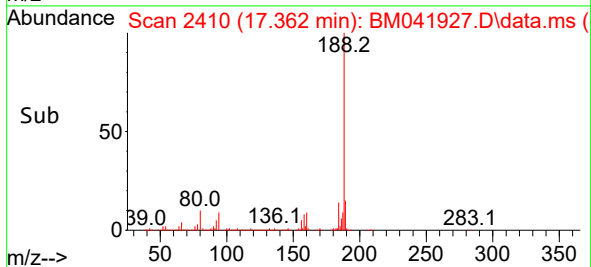
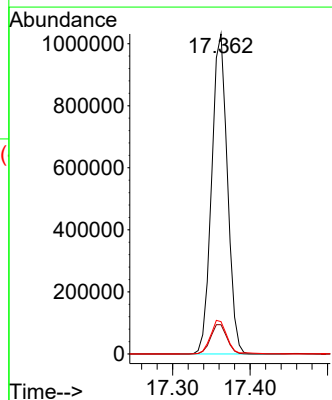
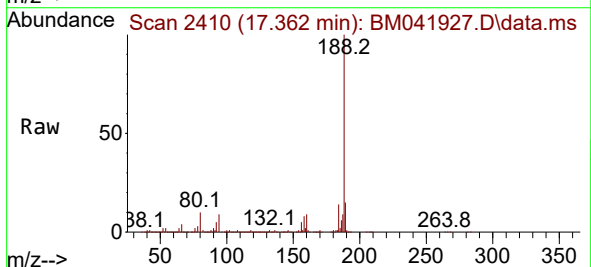
Ion	Ratio	Lower	Upper
77	100		
182	24.4	4.9	44.9
105	20.9	0.7	40.7
51	32.2	11.8	51.8

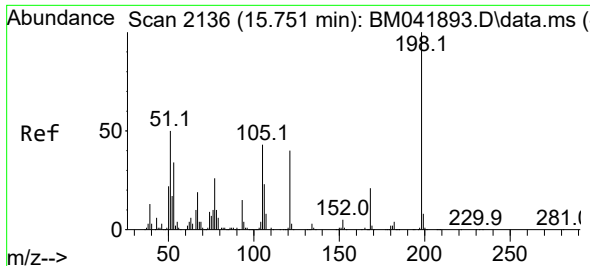


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.362 min Scan# 2410
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

Tgt Ion: 188 Resp: 1456598

Ion	Ratio	Lower	Upper
188	100		
94	9.2	7.6	11.4
80	10.1	8.3	12.5

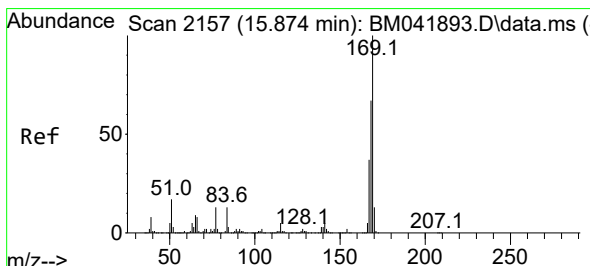
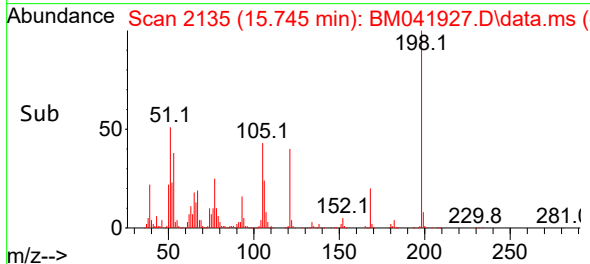
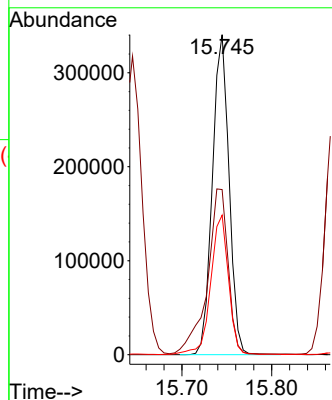
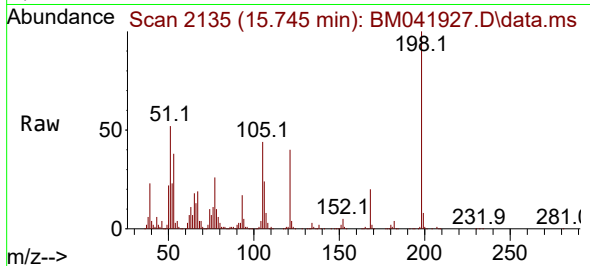




#65
4,6-Dinitro-2-methylphenol
Concen: 52.436 ng
RT: 15.745 min Scan# 2135
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

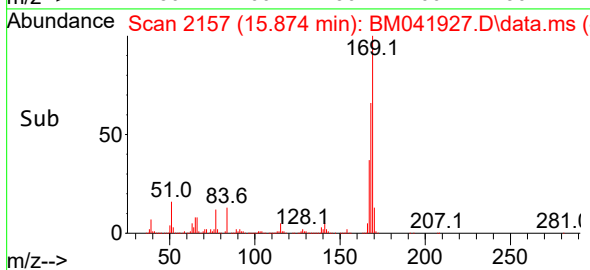
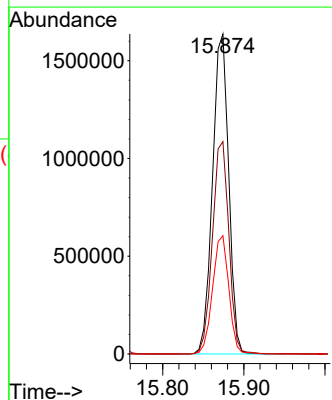
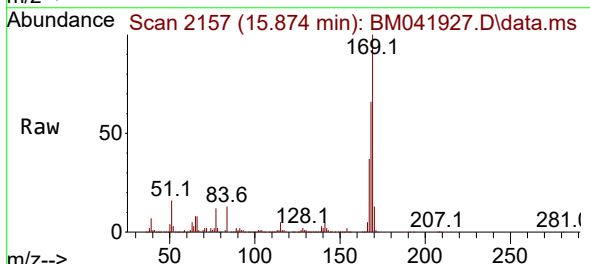
Instrument :
BNA_M
ClientSampleId :
PILE-1MSD

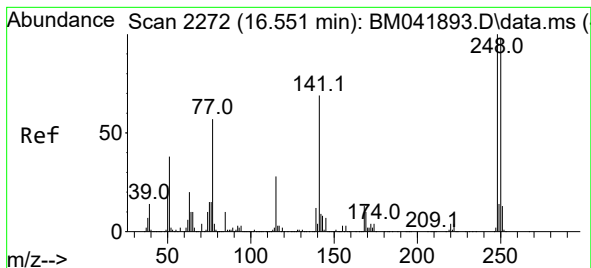
Tgt Ion:198 Resp: 438594
Ion Ratio Lower Upper
198 100
51 51.6 32.0 72.0
105 43.6 23.6 63.6



#66
n-Nitrosodiphenylamine
Concen: 54.945 ng
RT: 15.874 min Scan# 2157
Delta R.T. -0.000 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

Tgt Ion:169 Resp: 2260395
Ion Ratio Lower Upper
169 100
168 66.4 53.6 80.4
167 36.9 29.4 44.0

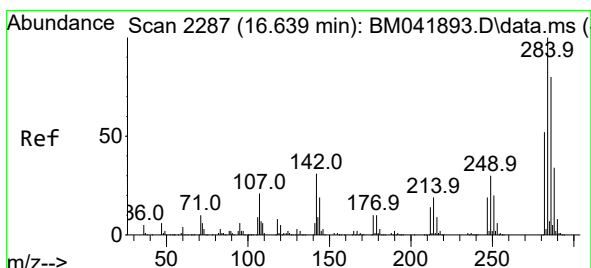
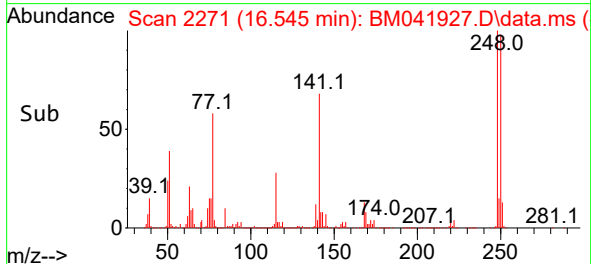
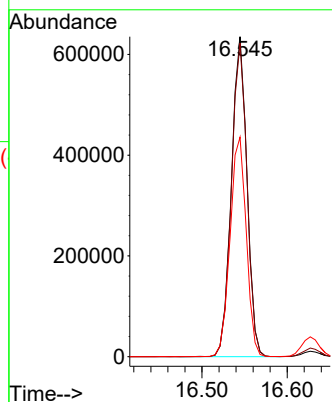
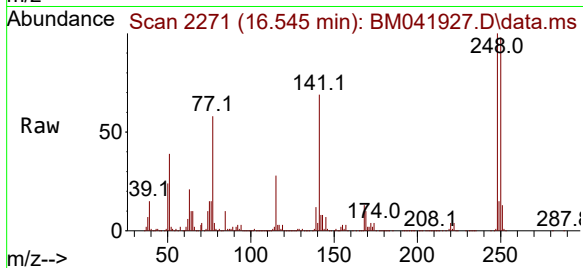




#67
4-Bromophenyl-phenylether
Concen: 53.911 ng
RT: 16.545 min Scan# 211
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

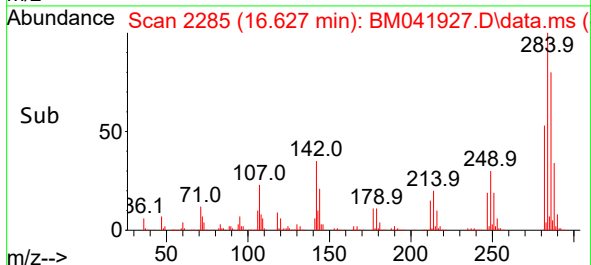
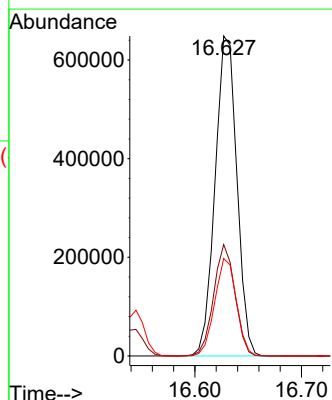
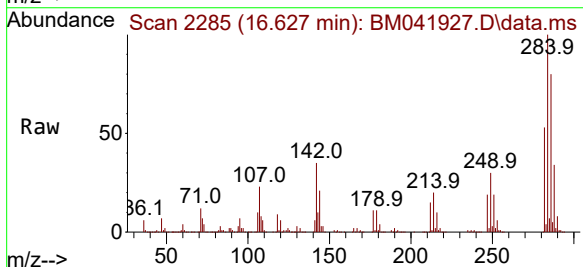
Instrument :
BNA_M
ClientSampleId :
PILE-1MSD

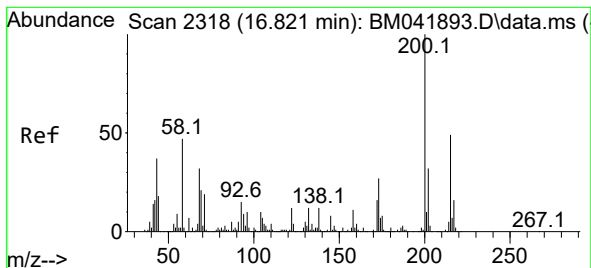
Tgt Ion:248 Resp: 809214
Ion Ratio Lower Upper
248 100
250 98.0 78.0 117.0
141 68.6 55.1 82.7



#68
Hexachlorobenzene
Concen: 57.914 ng
RT: 16.627 min Scan# 2285
Delta R.T. -0.012 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

Tgt Ion:284 Resp: 920408
Ion Ratio Lower Upper
284 100
142 34.8 24.8 37.2
249 30.4 24.0 36.0





#69

Atrazine

Concen: 63.387 ng

RT: 16.815 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

Instrument :

BNA_M

ClientSampleId :

PILE-1MSD

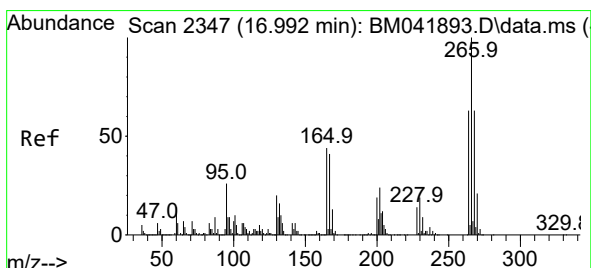
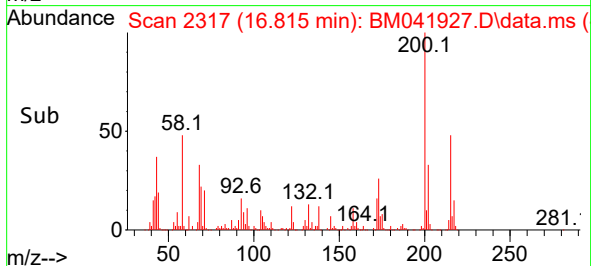
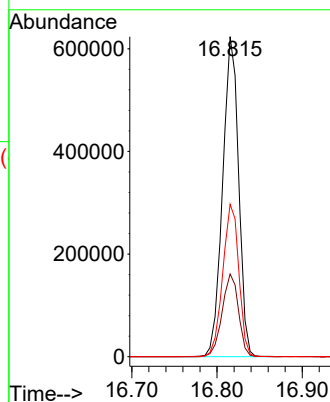
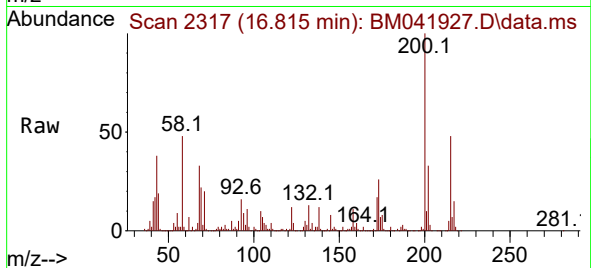
Tgt Ion:200 Resp: 813168

Ion Ratio Lower Upper

200 100

173 25.8 6.5 46.5

215 47.6 28.9 68.9



#70

Pentachlorophenol

Concen: 103.404 ng

RT: 16.986 min Scan# 2346

Delta R.T. -0.006 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

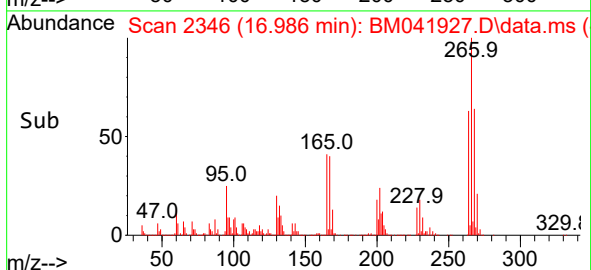
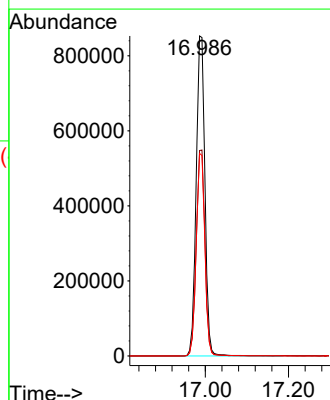
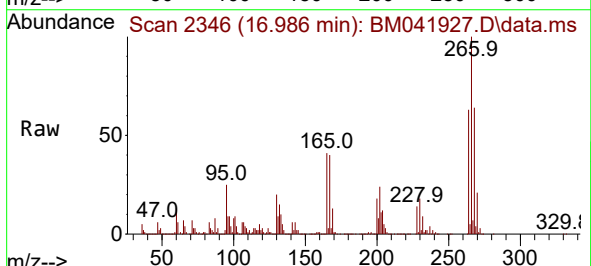
Tgt Ion:266 Resp: 1241640

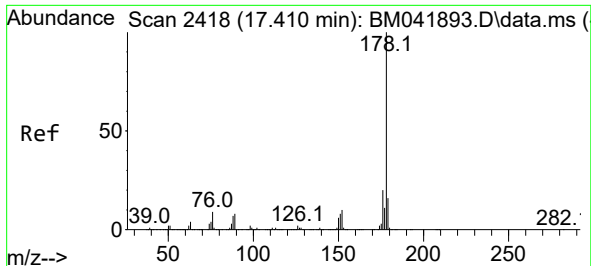
Ion Ratio Lower Upper

266 100

268 64.2 50.5 75.7

264 63.3 50.6 76.0

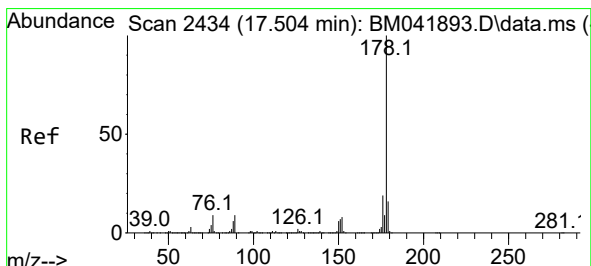
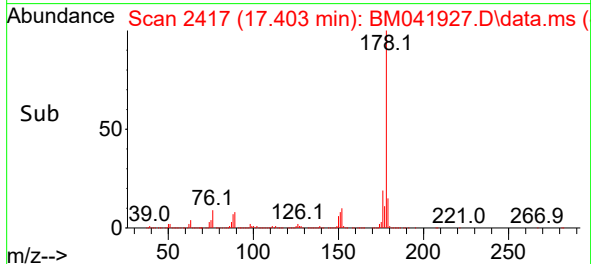
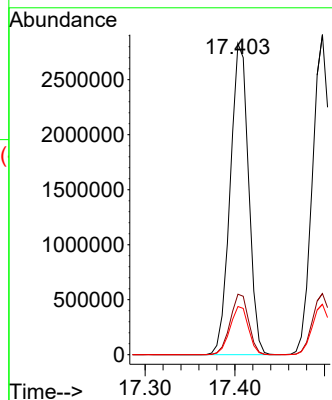
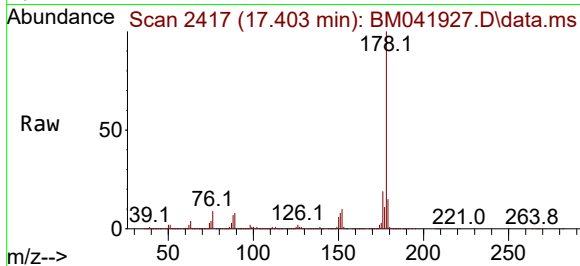




#71
Phenanthrene
Concen: 55.251 ng
RT: 17.403 min Scan# 2418
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

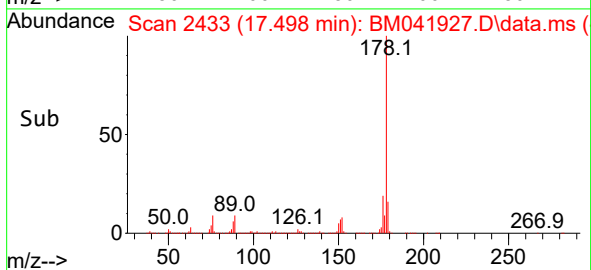
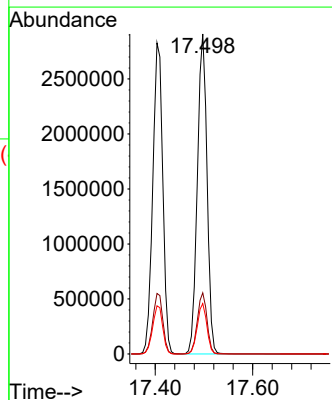
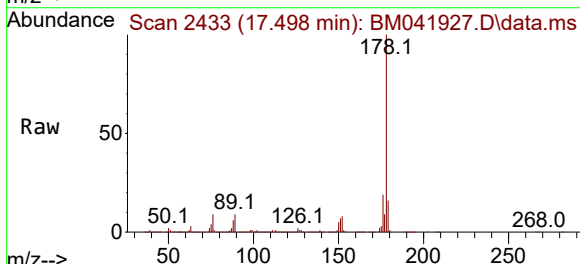
Instrument :
BNA_M
ClientSampleId :
PILE-1MSD

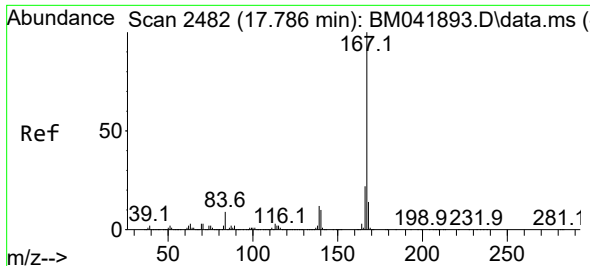
Tgt Ion:178 Resp: 4013638
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.5 12.4 18.6



#72
Anthracene
Concen: 54.584 ng
RT: 17.498 min Scan# 2433
Delta R.T. -0.006 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

Tgt Ion:178 Resp: 4044994
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.2
179 15.7 12.5 18.7



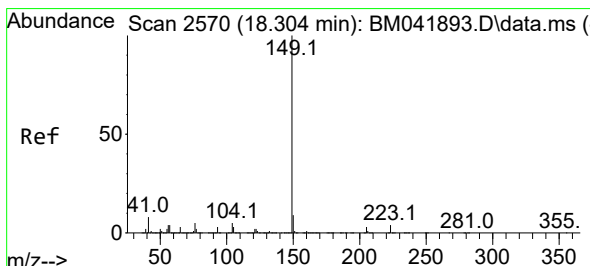
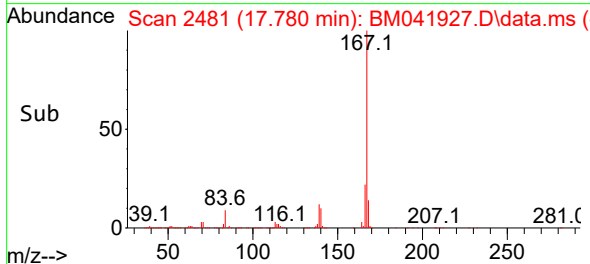
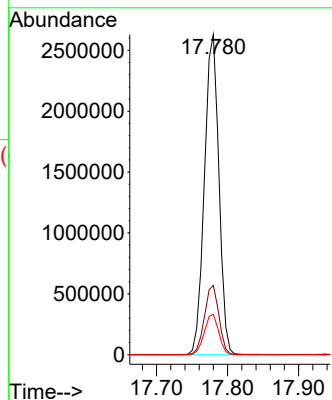
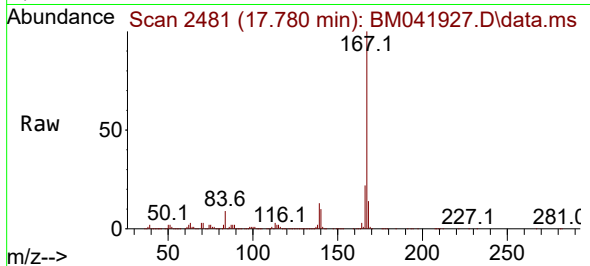


#73
 Carbazole
 Concen: 54.950 ng
 RT: 17.780 min Scan# 2482
 Delta R.T. -0.006 min
 Lab File: BM041927.D
 Acq: 20 Sep 2023 05:53

Instrument :
 BNA_M
 ClientSampleId :
 PILE-1MSD

Tgt Ion:167 Resp: 3733875

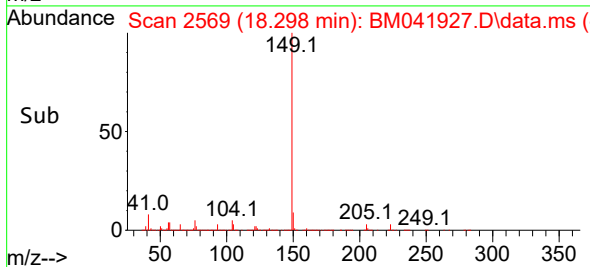
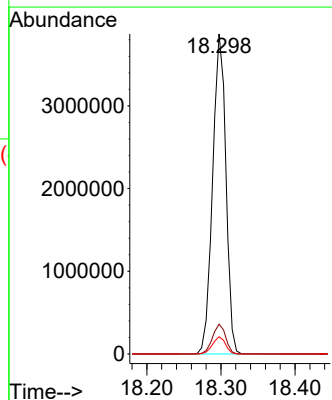
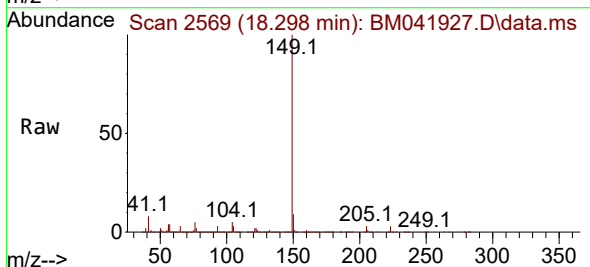
Ion	Ratio	Lower	Upper
167	100		
166	21.6	17.5	26.3
139	12.6	10.0	15.0

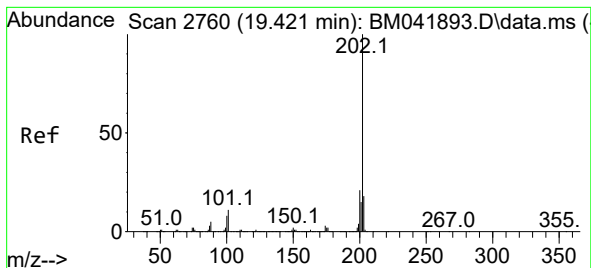


#74
 Di-n-butylphthalate
 Concen: 55.007 ng
 RT: 18.298 min Scan# 2569
 Delta R.T. -0.006 min
 Lab File: BM041927.D
 Acq: 20 Sep 2023 05:53

Tgt Ion:149 Resp: 4798503

Ion	Ratio	Lower	Upper
149	100		
150	9.3	7.4	11.2
104	5.4	4.2	6.4





#75

Fluoranthene

Concen: 53.899 ng

RT: 19.415 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

Instrument :

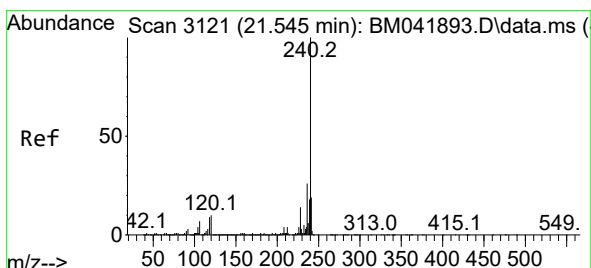
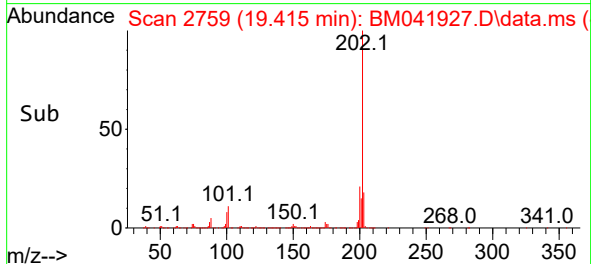
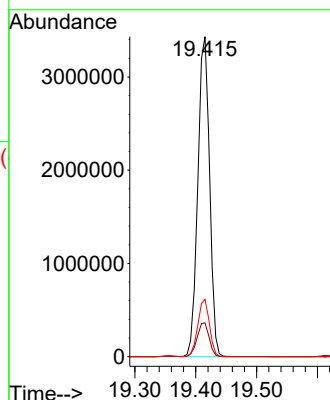
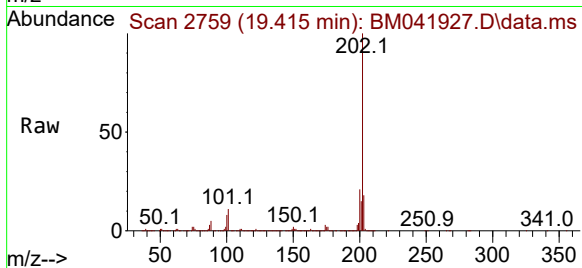
BNA_M

ClientSampleId :

PILE-1MSD

Tgt Ion:202 Resp: 4596814

Ion	Ratio	Lower	Upper
202	100		
101	10.6	0.0	30.5
203	17.9	0.0	37.6



#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.533 min Scan# 3119

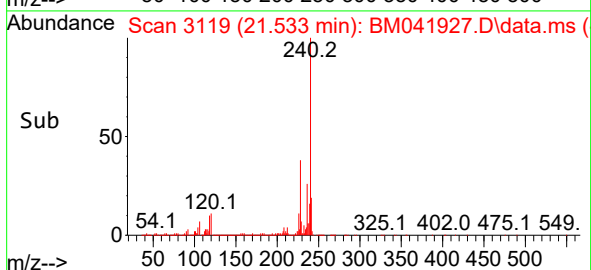
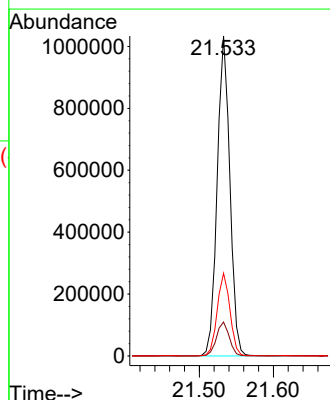
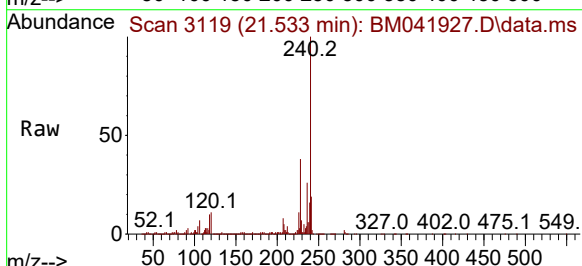
Delta R.T. -0.012 min

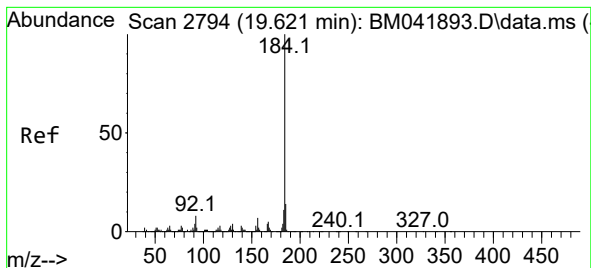
Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

Tgt Ion:240 Resp: 1224356

Ion	Ratio	Lower	Upper
240	100		
120	10.6	8.1	12.1
236	25.8	20.7	31.1





#77

Benzidine

Concen: 86.594 ng

RT: 19.615 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

Instrument :

BNA_M

ClientSampleId :

PILE-1MSD

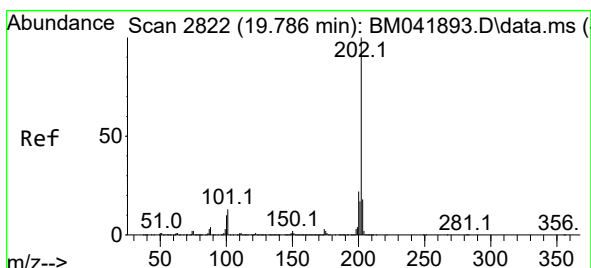
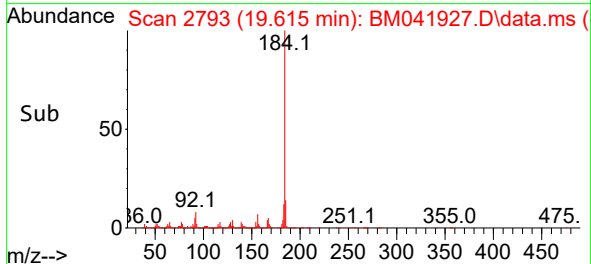
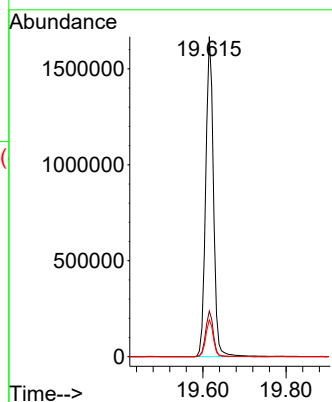
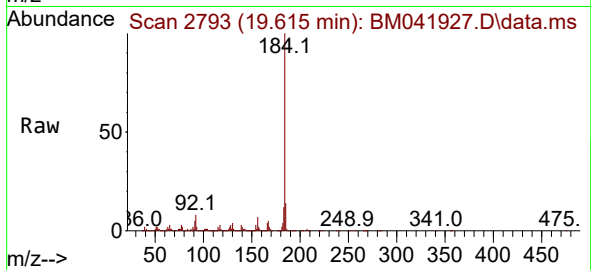
Tgt Ion:184 Resp: 2164111

Ion Ratio Lower Upper

184 100

185 14.2 11.2 16.8

183 11.5 9.1 13.7



#78

Pyrene

Concen: 56.110 ng

RT: 19.780 min Scan# 2821

Delta R.T. -0.006 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

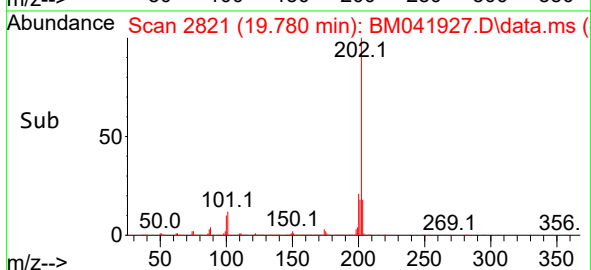
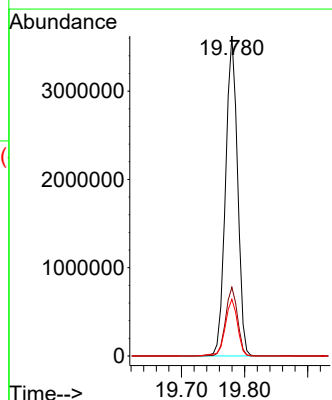
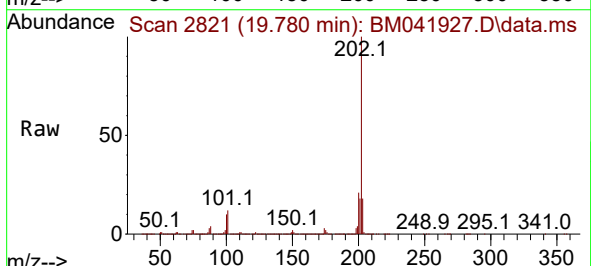
Tgt Ion:202 Resp: 4780212

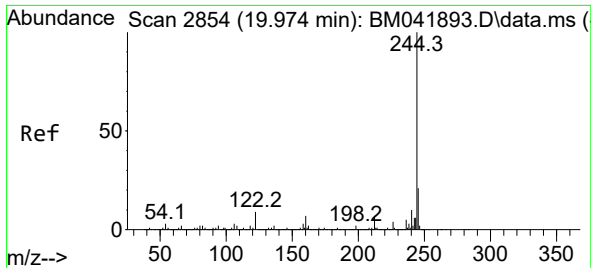
Ion Ratio Lower Upper

202 100

200 21.4 17.3 25.9

203 17.7 14.2 21.4

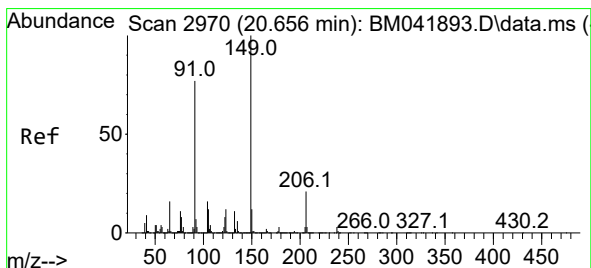
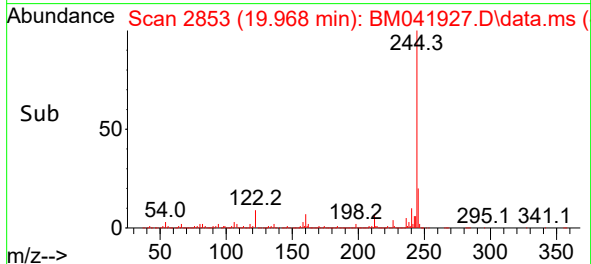
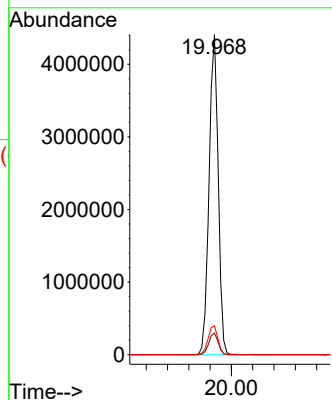
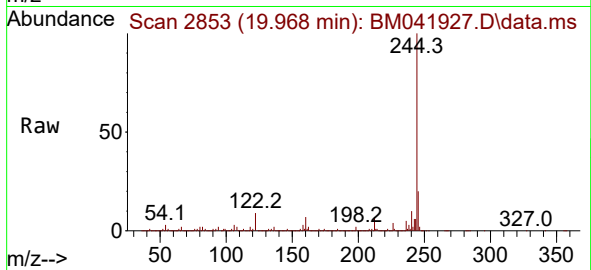




#79
 Terphenyl-d14
 Concen: 77.685 ng
 RT: 19.968 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM041927.D
 Acq: 20 Sep 2023 05:53

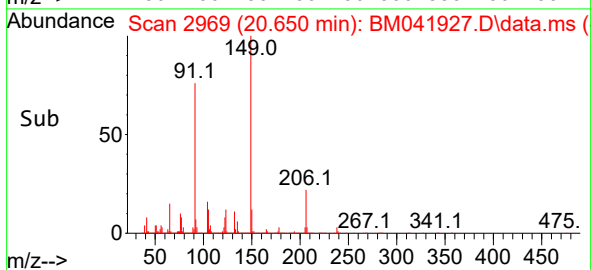
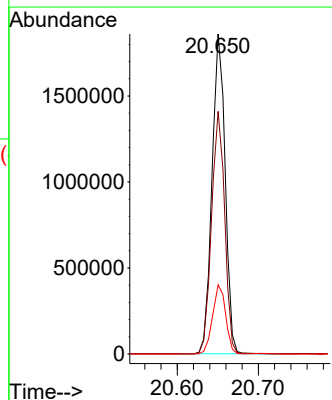
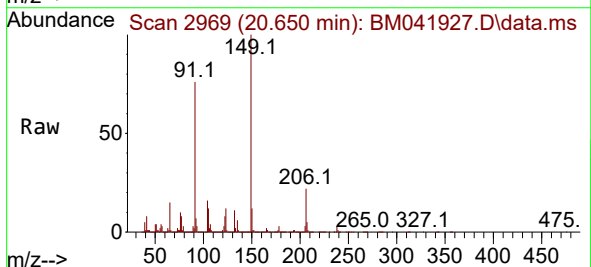
Instrument :
 BNA_M
 ClientSampleId :
 PILE-1MSD

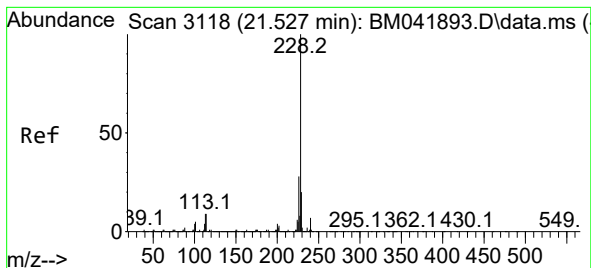
Tgt Ion:244 Resp: 5222319
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.7 8.5
 122 9.0 7.4 11.0



#80
 Butylbenzylphthalate
 Concen: 55.049 ng
 RT: 20.650 min Scan# 2969
 Delta R.T. -0.006 min
 Lab File: BM041927.D
 Acq: 20 Sep 2023 05:53

Tgt Ion:149 Resp: 2085837
 Ion Ratio Lower Upper
 149 100
 91 75.8 61.7 92.5
 206 21.6 16.9 25.3





#81

Benzo(a)anthracene

Concen: 54.794 ng

RT: 21.515 min Scan# 3116

Delta R.T. -0.012 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

Instrument :

BNA_M

ClientSampleId :

PILE-1MSD

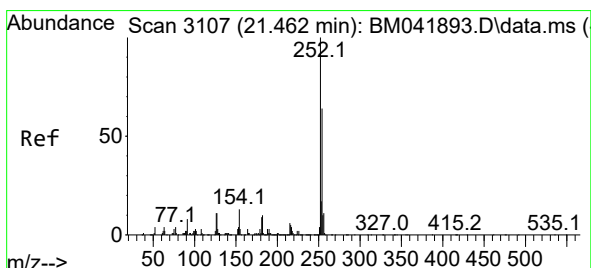
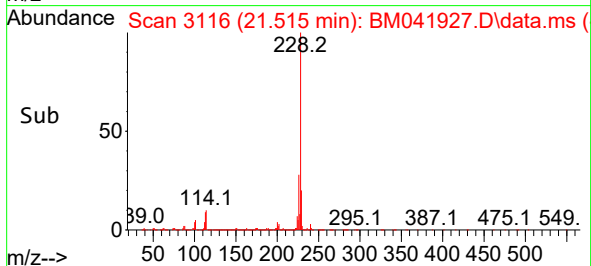
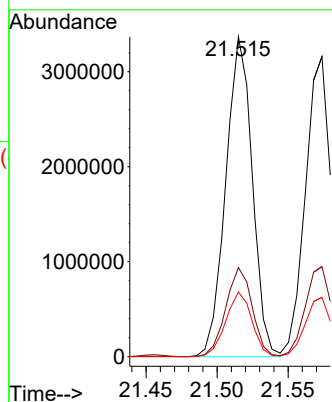
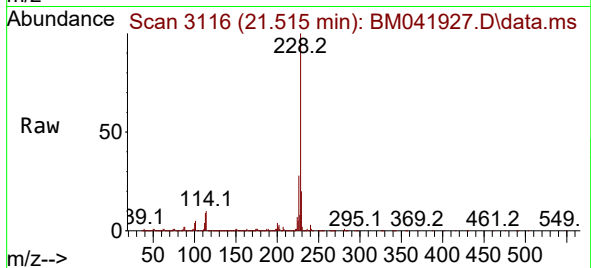
Tgt Ion:228 Resp: 4375481

Ion Ratio Lower Upper

228 100

226 27.8 22.2 33.4

229 20.2 16.1 24.1



#82

3,3'-Dichlorobenzidine

Concen: 51.959 ng

RT: 21.456 min Scan# 3106

Delta R.T. -0.006 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

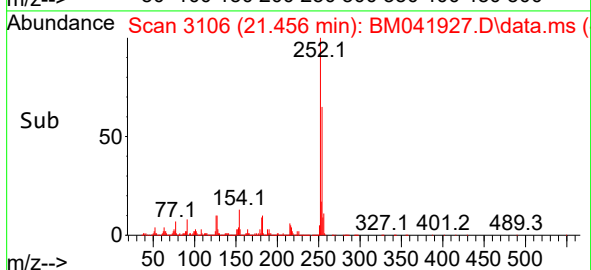
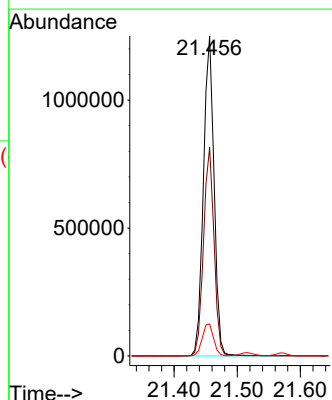
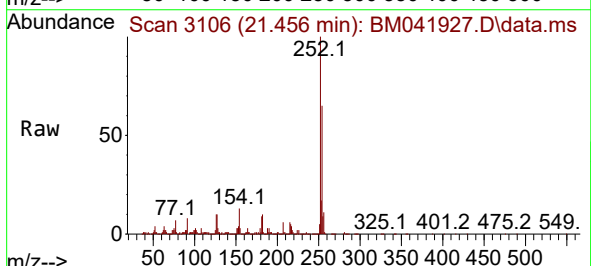
Tgt Ion:252 Resp: 1461177

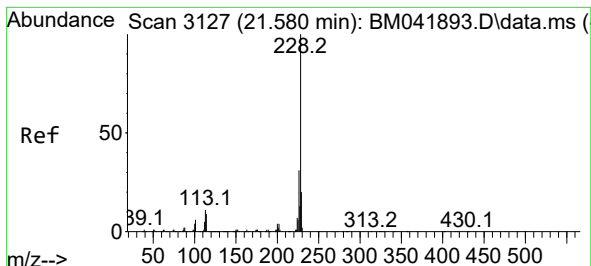
Ion Ratio Lower Upper

252 100

254 65.2 51.3 76.9

126 10.0 8.6 13.0





#83

Chrysene

Concen: 53.197 ng

RT: 21.574 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

Instrument :

BNA_M

ClientSampleId :

PILE-1MSD

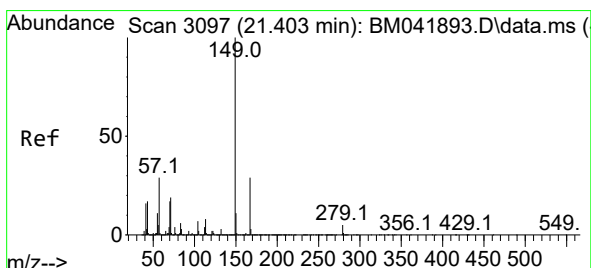
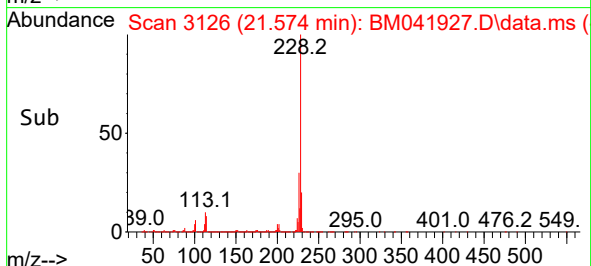
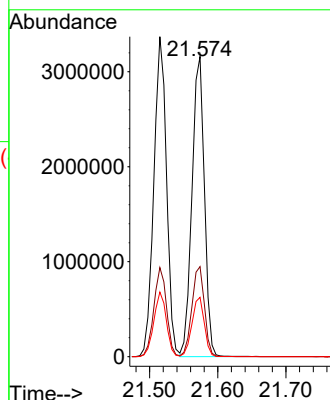
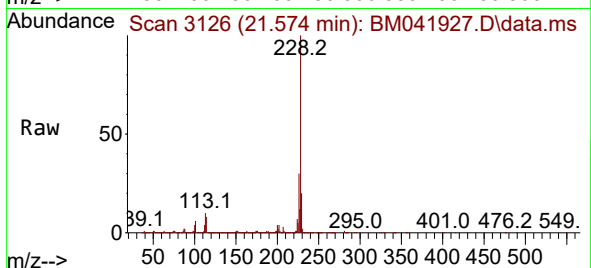
Tgt Ion:228 Resp: 3981653

Ion Ratio Lower Upper

228 100

226 30.0 24.4 36.6

229 19.8 16.0 24.0



#84

Bis(2-ethylhexyl)phthalate

Concen: 55.067 ng

RT: 21.397 min Scan# 3096

Delta R.T. -0.006 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

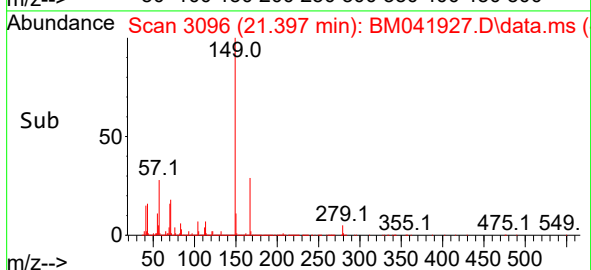
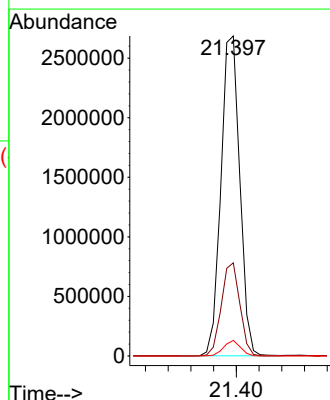
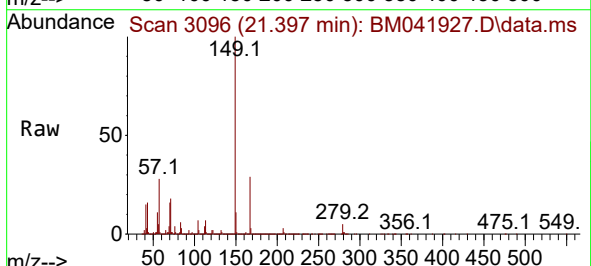
Tgt Ion:149 Resp: 3095400

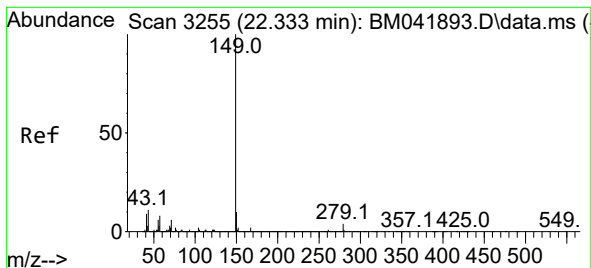
Ion Ratio Lower Upper

149 100

167 29.1 23.0 34.6

279 4.8 3.7 5.5





#85

Di-n-octyl phthalate

Concen: 55.310 ng

RT: 22.321 min Scan# 31

Delta R.T. -0.012 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

Instrument :

BNA_M

ClientSampleId :

PILE-1MSD

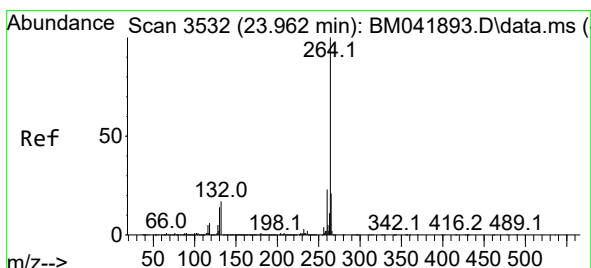
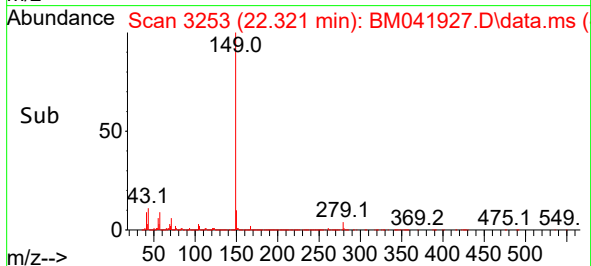
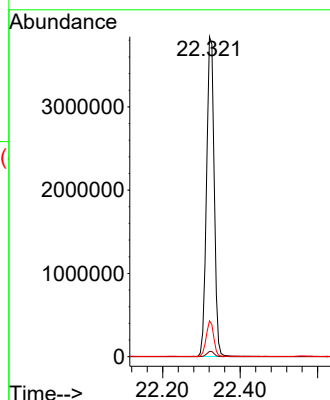
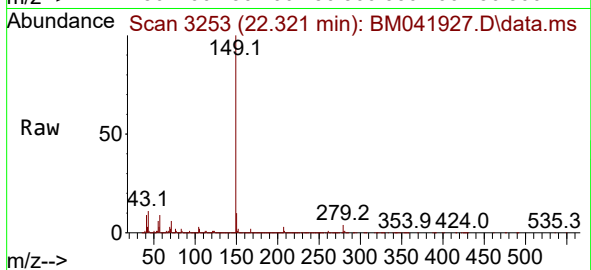
Tgt Ion:149 Resp: 5233344

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

43 10.9 8.7 13.1



#86

Perylene-d12

Concen: 20.000 ng

RT: 23.944 min Scan# 3529

Delta R.T. -0.018 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

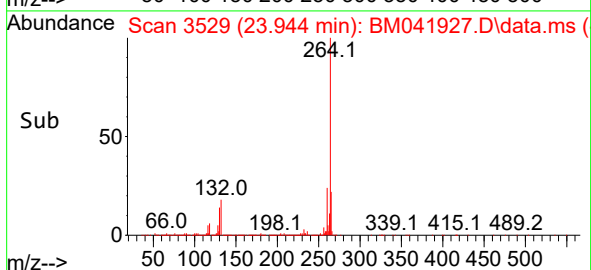
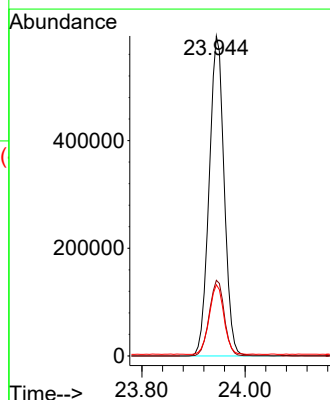
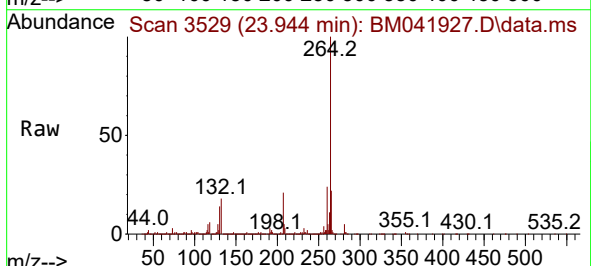
Tgt Ion:264 Resp: 1197663

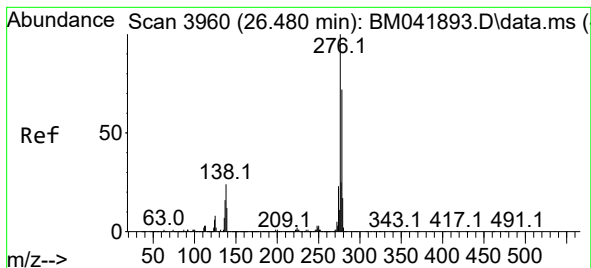
Ion Ratio Lower Upper

264 100

260 23.7 18.6 28.0

265 22.2 17.0 25.6





#87

Indeno(1,2,3-cd)pyrene

Concen: 55.875 ng

RT: 26.456 min Scan# 3956

Delta R.T. -0.024 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

Instrument :

BNA_M

ClientSampleId :

PILE-1MSD

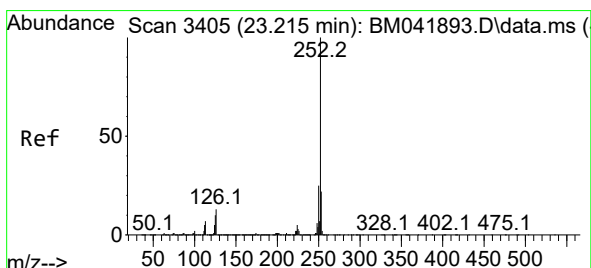
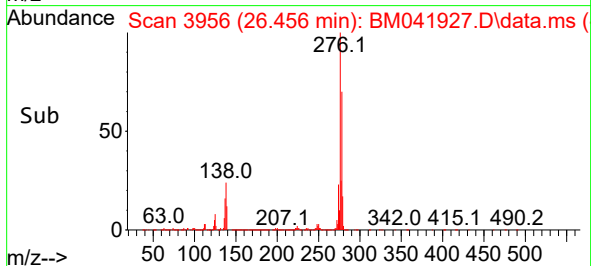
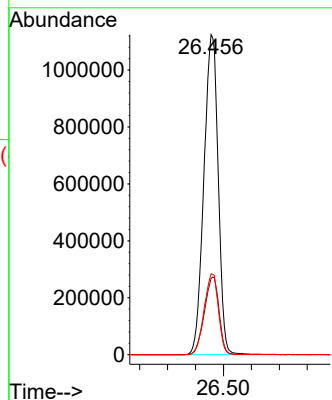
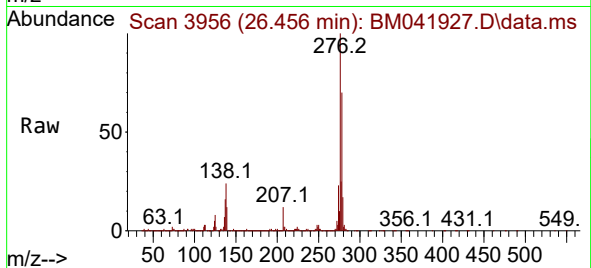
Tgt Ion:276 Resp: 3995558

Ion Ratio Lower Upper

276 100

138 24.7 19.8 29.8

277 25.2 20.2 30.2



#88

Benzo(b)fluoranthene

Concen: 56.360 ng

RT: 23.203 min Scan# 3403

Delta R.T. -0.012 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

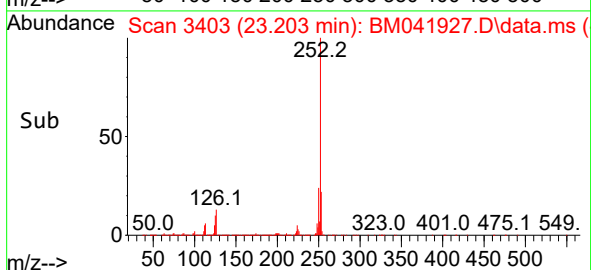
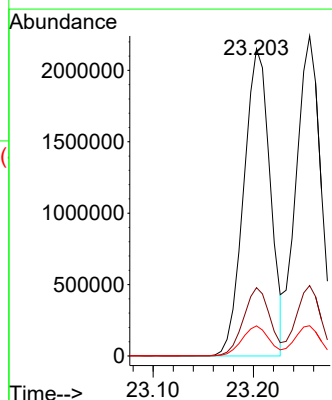
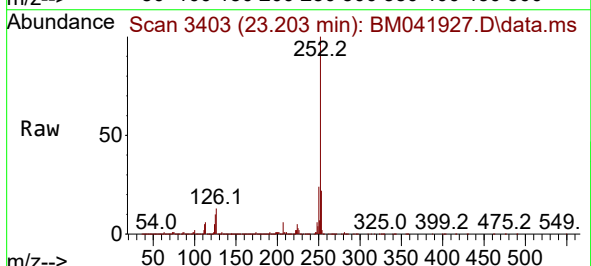
Tgt Ion:252 Resp: 3940894

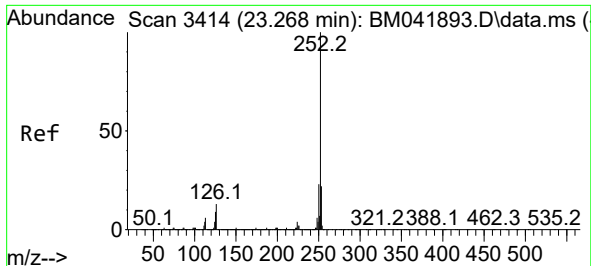
Ion Ratio Lower Upper

252 100

253 22.2 17.8 26.6

125 9.8 7.8 11.6

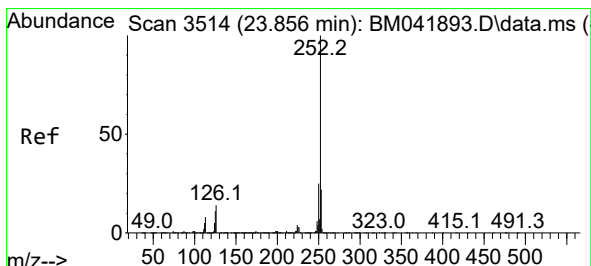
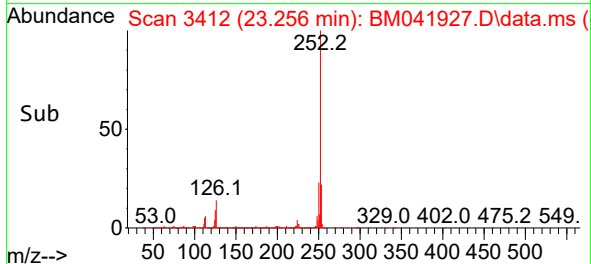
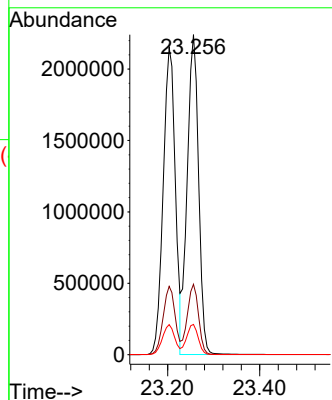
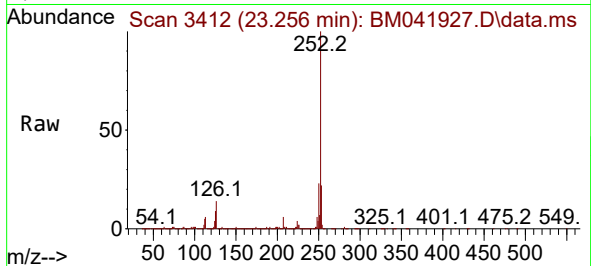




#89
Benzo(k)fluoranthene
Concen: 55.379 ng
RT: 23.256 min Scan# 3414
Delta R.T. -0.012 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

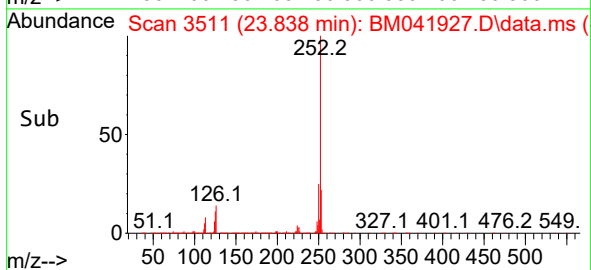
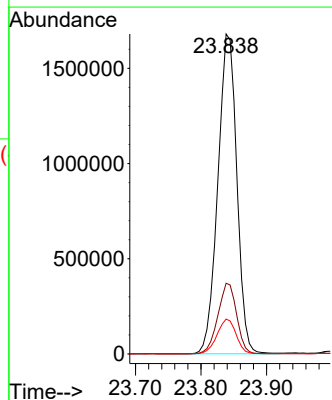
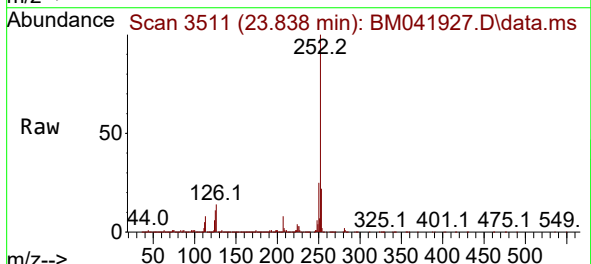
Instrument :
BNA_M
ClientSampleId :
PILE-1MSD

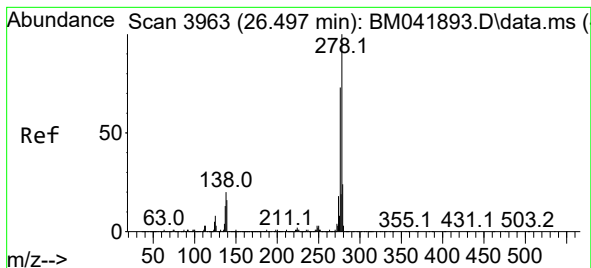
Tgt Ion:252 Resp: 3826483
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 9.5 7.7 11.5



#90
Benzo(a)pyrene
Concen: 51.294 ng
RT: 23.838 min Scan# 3511
Delta R.T. -0.018 min
Lab File: BM041927.D
Acq: 20 Sep 2023 05:53

Tgt Ion:252 Resp: 3365472
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 10.9 8.6 12.8





#91

Dibenzo(a,h)anthracene

Concen: 56.234 ng

RT: 26.473 min Scan# 3963

Delta R.T. -0.024 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

Instrument :

BNA_M

ClientSampleId :

PILE-1MSD

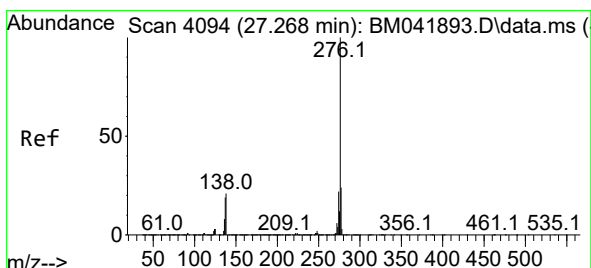
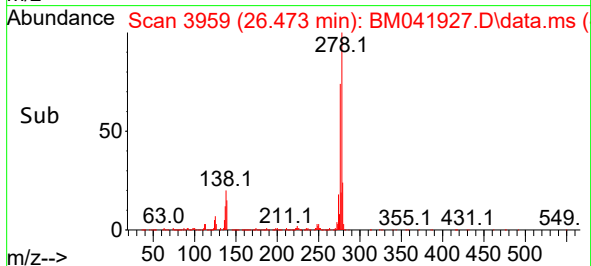
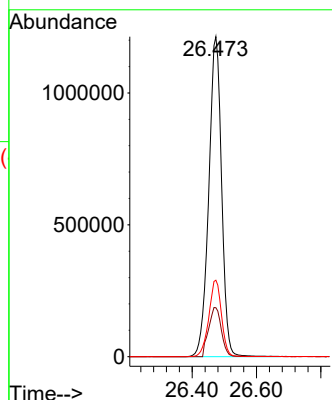
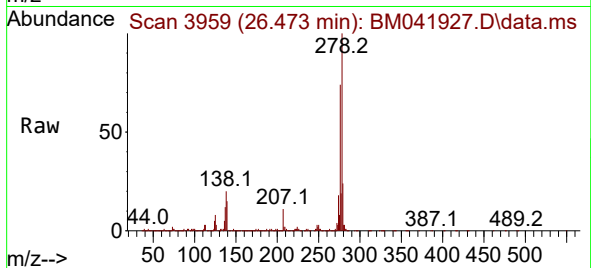
Tgt Ion:278 Resp: 3352383

Ion Ratio Lower Upper

278 100

139 15.3 12.8 19.2

279 23.9 19.2 28.8



#92

Benzo(g,h,i)perylene

Concen: 55.141 ng

RT: 27.238 min Scan# 4089

Delta R.T. -0.030 min

Lab File: BM041927.D

Acq: 20 Sep 2023 05:53

Tgt Ion:276 Resp: 3140873

Ion Ratio Lower Upper

276 100

277 23.8 19.4 29.2

138 21.6 17.0 25.4

