

Data Path : Z:\svoasrv\HPCHEM1\BNA_N\Data\BN030723\
 Data File : BN024140.D
 Acq On : 07 Mar 2023 12:01
 Operator : CG/JU
 Sample : 01378-04
 Misc : SFAM-MDL-SOIL-02
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_N
 ClientSampleId :
 MDL-SOIL-QT1-2023-02

Quant Time: Mar 08 03:04:26 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_N\Methods\SFAM-EPA-BN030323.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Tue Mar 07 04:27:04 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.057	152	290708	20.000	ng/u1	0.00
20) Naphthalene-d8	10.881	136	1273774	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.698	164	770780	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.439	188	1568932	20.000	ng/u1	0.00
79) Chrysene-d12	21.639	240	1403190	20.000	ng/u1	0.00
88) Perylene-d12	24.151	264	1442994	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.411	96	37447	5.025	ng/uL	0.00
4) Pyridine-d5	3.834	84	361510	17.531	ng/u1	0.00
7) Phenol-d5	7.199	99	520393	19.957	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.381	67	337897	20.235	ng/u1	0.00
11) 2-Chlorophenol-d4	7.581	132	405396	20.244	ng/u1	0.00
15) 4-Methylphenol-d8	8.757	113	391252	18.874	ng/u1	0.00
21) Nitrobenzene-d5	9.228	128	165804	20.055	ng/u1	0.00
24) 2-Nitrophenol-d4	9.952	143	180733	20.047	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.487	165	371329	19.087	ng/u1	0.00
31) 4-Chloroaniline-d4	11.010	131	541781	18.666	ng/u1	0.00
46) Dimethylphthalate-d6	14.098	166	1117290	18.782	ng/u1	0.00
49) Acenaphthylene-d8	14.392	160	1330882	19.221	ng/u1	0.00
54) 4-Nitrophenol-d4	14.869	143	184459	16.228	ng/u1	0.00
60) Fluorene-d10	15.687	176	956666	19.136	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.792	200	125468	14.843	ng/u1	0.00
73) Anthracene-d10	17.539	188	1365294	18.452	ng/u1	0.00
81) Pyrene-d10	19.833	212	1587600	19.359	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.986	264	1433241	19.980	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.446	88	11489	1.424	ng/uL	96
5) Pyridine	3.858	79	94125	4.409	ng/u1#	87
6) Benzaldehyde	7.187	77	69197	5.462	ng/u1	98
8) Phenol	7.228	94	135124	4.999	ng/u1	99
10) Bis(2-Chloroethyl)ether	7.475	93	108629	4.959	ng/u1	96
12) 2-Chlorophenol	7.616	128	100255	4.822	ng/u1	98
13) 2-Methylphenol	8.493	108	95253	4.686	ng/u1	98
14) 2,2'-oxybis(1-Chloropr...	8.593	45	172042	4.951	ng/u1	98
16) Acetophenone	8.887	105	174684	5.428	ng/u1	99
17) N-Nitroso-di-n-propyla...	8.869	70	79442	5.028	ng/u1#	96
18) 4-Methylphenol	8.822	108	110114	4.922	ng/u1	100
19) Hexachloroethane	9.152	117	37919	4.644	ng/u1	98
22) Nitrobenzene	9.269	77	116355	5.199	ng/u1	99
23) Isophorone	9.793	82	237504	4.855	ng/u1	99
25) 2-Nitrophenol	9.987	139	52560	5.075	ng/u1	96
26) 2,4-Dimethylphenol	10.040	107	93352	3.955	ng/u1	98
27) Bis(2-Chloroethoxy)met...	10.281	93	153629	5.058	ng/u1	99
29) 2,4-Dichlorophenol	10.516	162	100335	5.110	ng/u1	99
30) Naphthalene	10.928	128	352037	5.022	ng/u1	99
32) 4-Chloroaniline	11.034	127	146960	5.021	ng/u1	98
33) Hexachlorobutadiene	11.222	225	57537	4.808	ng/u1	91
34) Caprolactam	11.804	113	33497	5.003	ng/u1	99
35) 4-Chloro-3-methylphenol	12.146	107	102817	4.753	ng/u1	97
36) 2-Methylnaphthalene	12.534	142	233879	5.068	ng/u1	93

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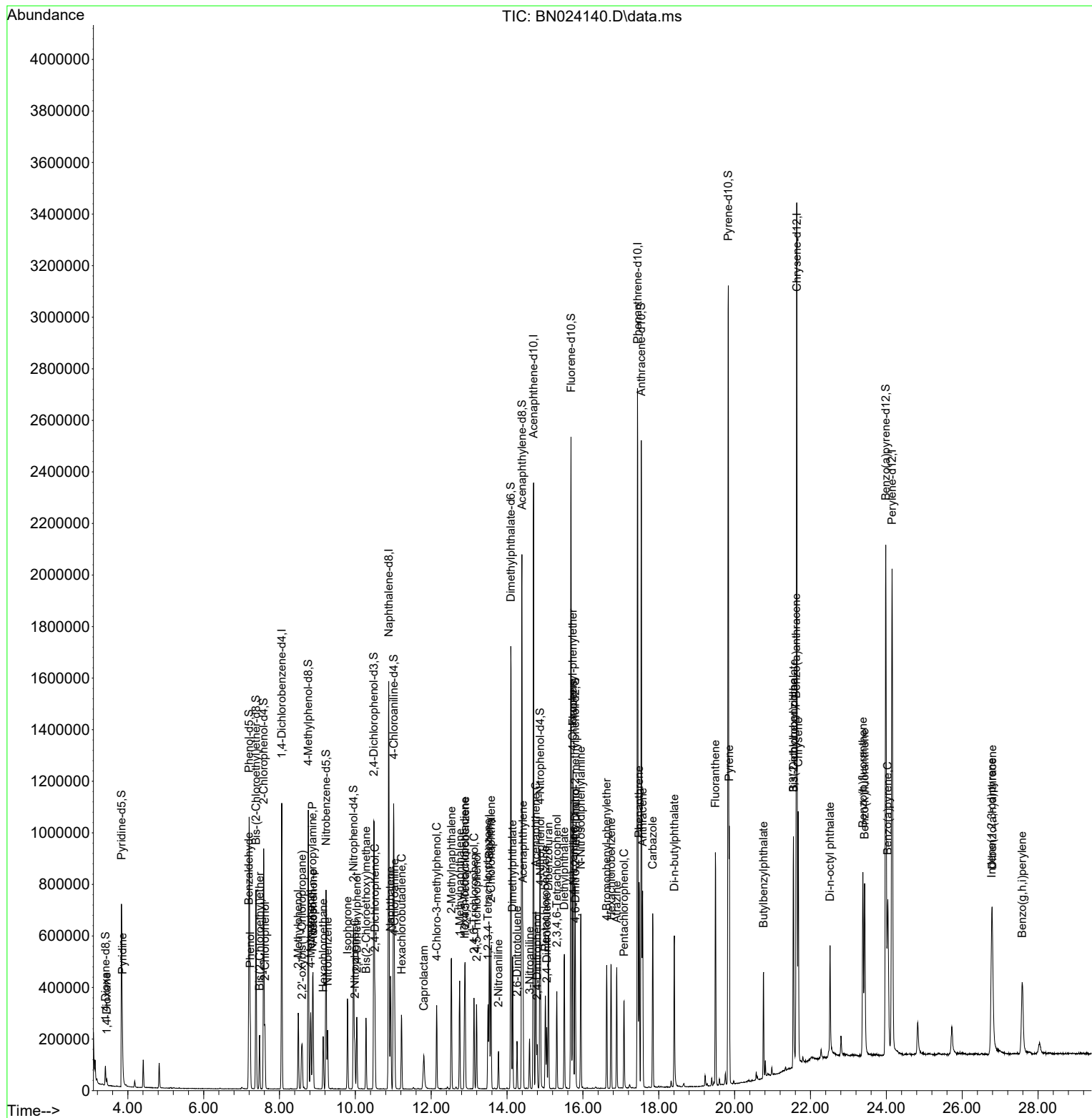
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37) 1-Methylnaphthalene	12.751	142	189204	4.091	ng/ul	98
39) 1,2,4,5-Tetrachloroben...	12.898	216	121270	5.228	ng/ul	96
40) Hexachlorocyclopentadiene	12.881	237	52228	4.178	ng/ul	99
41) 2,4,6-Trichlorophenol	13.128	196	71500	4.706	ng/ul	96
42) 2,4,5-Trichlorophenol	13.198	196	77164	4.715	ng/ul	96
43) 1,1'-Biphenyl	13.534	154	316589	5.156	ng/ul	97
44) 2-Chloronaphthalene	13.575	162	246812	5.159	ng/ul	99
45) 2-Nitroaniline	13.775	65	36805	3.531	ng/ul	97
47) Dimethylphthalate	14.145	163	300573	5.013	ng/ul	99
48) 2,6-Dinitrotoluene	14.263	165	28572	3.238	ng/ul	92
50) Acenaphthylene	14.416	152	384704	5.156	ng/ul	100
51) 3-Nitroaniline	14.592	138	37955	3.538	ng/ul#	97
52) Acenaphthene	14.757	153	264517	5.197	ng/ul	98
53) 2,4-Dinitrophenol	14.792	184	28494	4.664	ng/ul	99
55) 4-Nitrophenol	14.881	109	40326	4.657	ng/ul	96
56) Dibenzofuran	15.092	168	364505	5.098	ng/ul	98
57) 2,4-Dinitrotoluene	15.045	165	52651	3.785	ng/ul	93
58) 2,3,4,6-Tetrachlorophenol	15.310	232	64079	4.555	ng/ul	97
59) Diethylphthalate	15.510	149	289496	4.844	ng/ul	99
61) Fluorene	15.739	166	299371	5.344	ng/ul	99
62) 4-Chlorophenyl-phenyle...	15.734	204	140109	5.231	ng/ul	95
63) 4-Nitroaniline	15.751	138	40076	3.863	ng/ul	98
66) 4,6-Dinitro-2-methylph...	15.804	198	38875	4.546	ng/ul#	85
67) N-Nitrosodiphenylamine	15.945	169	237988	5.122	ng/ul	98
68) 4-Bromophenyl-phenylether	16.628	248	81499	5.225	ng/ul	97
69) Hexachlorobenzene	16.745	284	97434	5.135	ng/ul	100
70) Atrazine	16.892	200	69817	4.439	ng/ul	98
71) Pentachlorophenol	17.086	266	53497	4.557	ng/ul	98
72) Phenanthrene	17.481	178	469711	5.404	ng/ul	99
74) Anthracene	17.575	178	435198	4.966	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.498	216	92461	4.043	ng/uL	94
76) Pentachlorobenzene	15.010	250	85387	3.832	ng/uL	91
77) Carbazole	17.839	167	401450	5.115	ng/ul	99
78) Di-n-butylphthalate	18.410	149	456834	4.890	ng/ul	99
80) Fluoranthene	19.492	202	495410	5.196	ng/ul	98
82) Pyrene	19.857	202	537525	5.344	ng/ul	98
83) Butylbenzylphthalate	20.763	149	112995	4.411	ng/ul	96
84) 3,3'-Dichlorobenzidine	21.551	252	96665	3.574	ng/ul	94
85) Benzo(a)anthracene	21.622	228	504942	5.163	ng/ul	97
86) Bis(2-ethylhexyl)phtha...	21.551	149	192016	4.517	ng/ul	96
87) Chrysene	21.674	228	482867	5.158	ng/ul	96
89) Di-n-octyl phthalate	22.516	149	295156	3.825	ng/ul	100
90) Benzo(b)fluoranthene	23.380	252	452096	4.976	ng/ul	97
91) Benzo(k)fluoranthene	23.427	252	483887	5.385	ng/ul	100
93) Benzo(a)pyrene	24.039	252	430392	5.349	ng/ul	99
94) Indeno(1,2,3-cd)pyrene	26.774	276	412242	4.069	ng/ul	94
95) Dibenzo(a,h)anthracene	26.792	278	356573	4.322	ng/ul	99
96) Benzo(g,h,i)perylene	27.580	276	350869	4.197	ng/ul	98

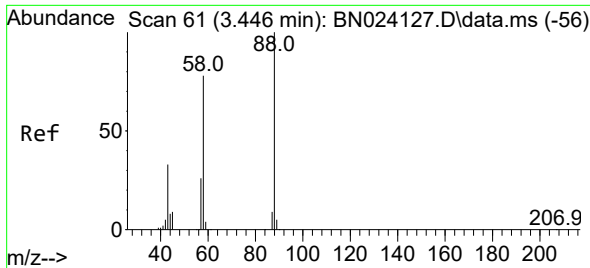
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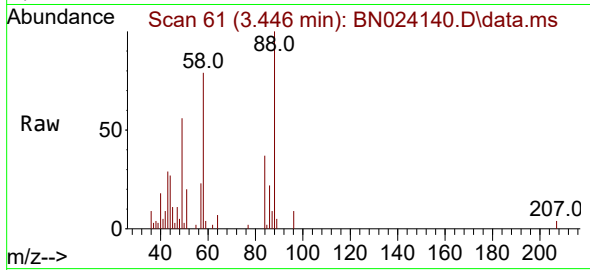
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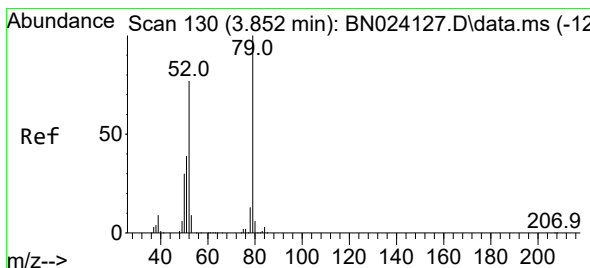
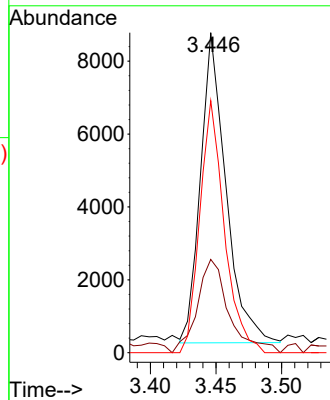
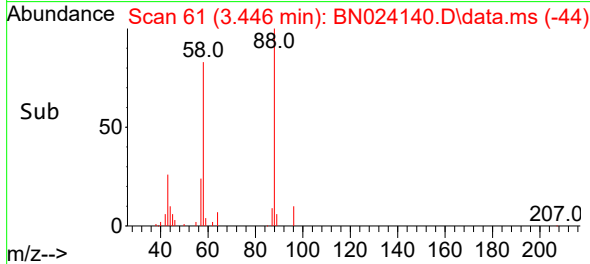


#2
1,4-Dioxane
Concen: 1.424 ng/uL
RT: 3.446 min Scan# 61
Delta R.T. -0.000 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

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BNA_N
ClientSampleId :
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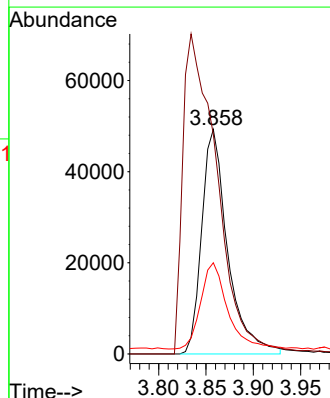
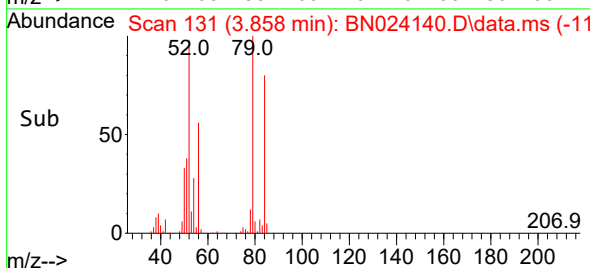
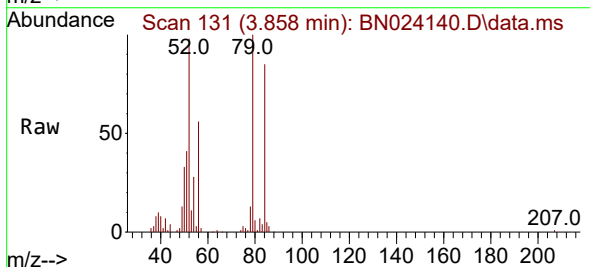


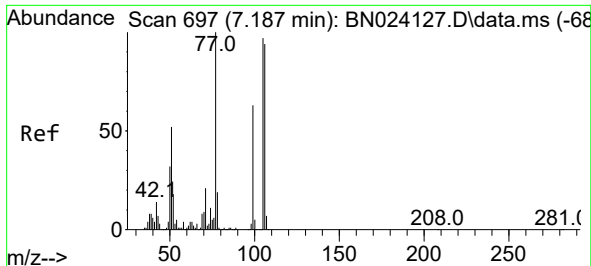
Tgt Ion:	88	Resp:	11489
Ion	Ratio	Lower	Upper
88	100		
43	29.2	26.2	39.4
58	78.8	64.9	97.3



#5
Pyridine
Concen: 4.409 ng/uL
RT: 3.858 min Scan# 131
Delta R.T. 0.006 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

Tgt Ion:	79	Resp:	94125
Ion	Ratio	Lower	Upper
79	100		
52	97.9	65.1	97.7#
51	40.6	31.4	47.0

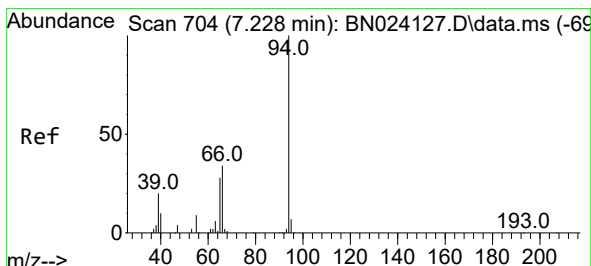
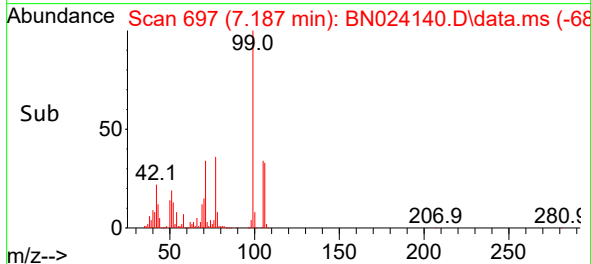
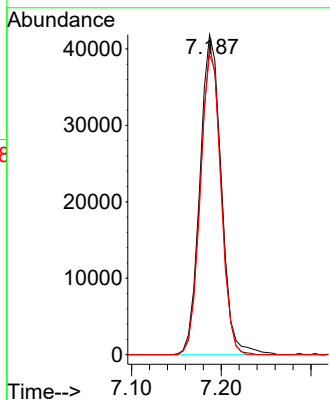
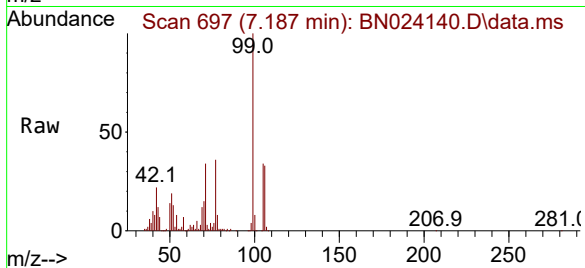




#6
Benzaldehyde
Concen: 5.462 ng/ul
RT: 7.187 min Scan# 697
Delta R.T. -0.000 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

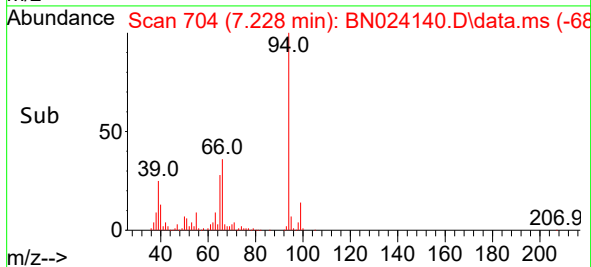
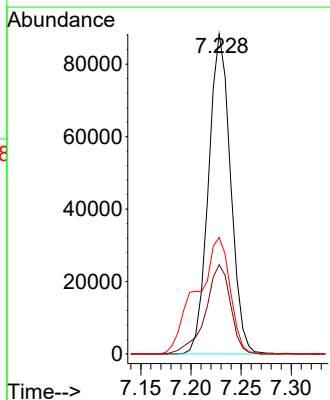
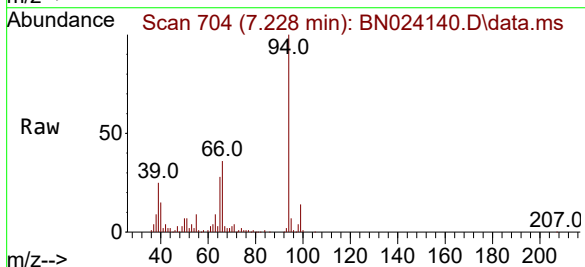
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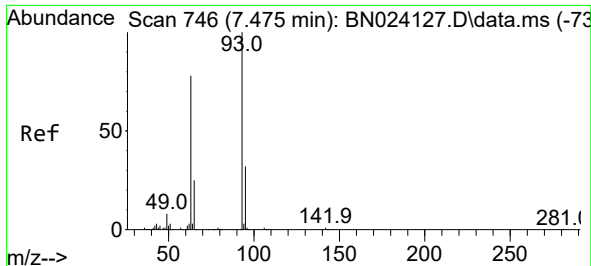
Tgt Ion: 77 Resp: 69197
Ion Ratio Lower Upper
77 100
105 96.5 79.2 118.8
106 93.8 75.9 113.9



#8
Phenol
Concen: 4.999 ng/ul
RT: 7.228 min Scan# 704
Delta R.T. -0.000 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

Tgt Ion: 94 Resp: 135124
Ion Ratio Lower Upper
94 100
65 27.9 22.9 34.3
66 36.4 29.0 43.6

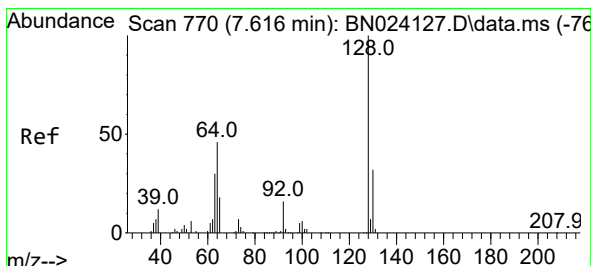
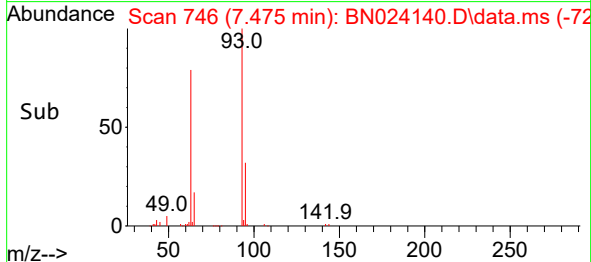
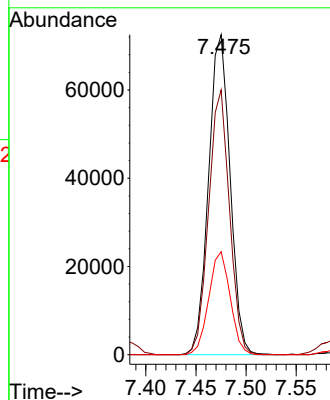
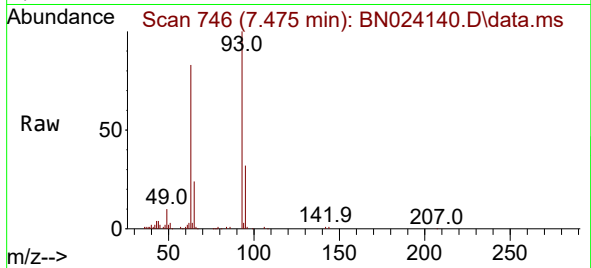




#10
Bis(2-Chloroethyl)ether
Concen: 4.959 ng/ul
RT: 7.475 min Scan# 746
Delta R.T. -0.000 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

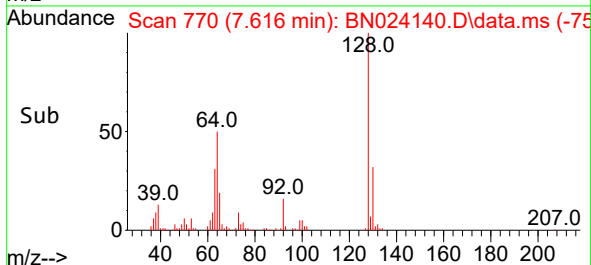
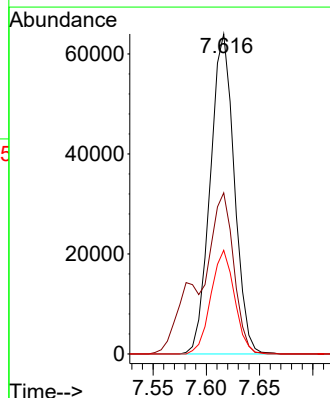
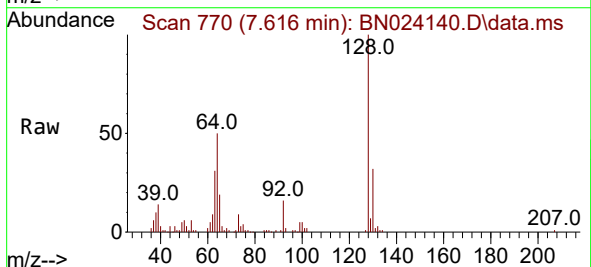
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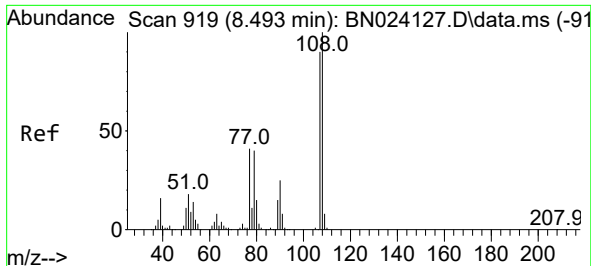
Tgt Ion: 93 Resp: 108629
Ion Ratio Lower Upper
93 100
63 82.8 62.6 93.8
95 32.2 25.8 38.6



#12
2-Chlorophenol
Concen: 4.822 ng/ul
RT: 7.616 min Scan# 770
Delta R.T. -0.000 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

Tgt Ion:128 Resp: 100255
Ion Ratio Lower Upper
128 100
64 50.3 39.3 58.9
130 32.4 25.1 37.7





#13

2-Methylphenol

Concen: 4.686 ng/ul

RT: 8.493 min Scan# 919

Delta R.T. -0.000 min

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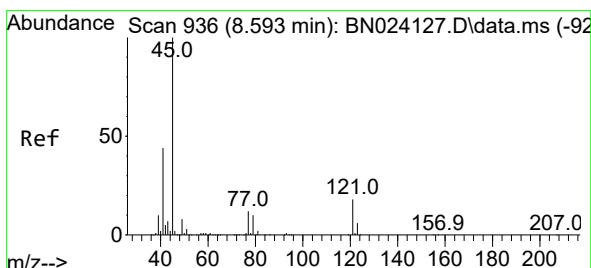
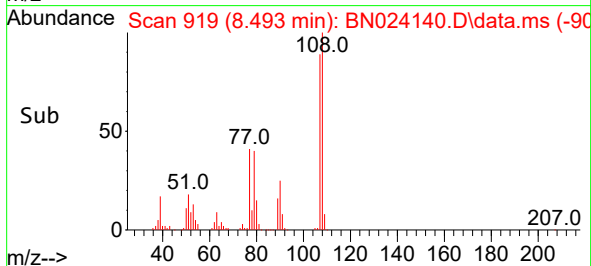
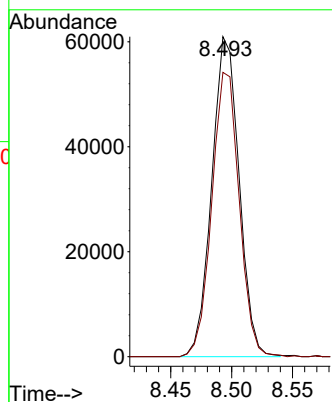
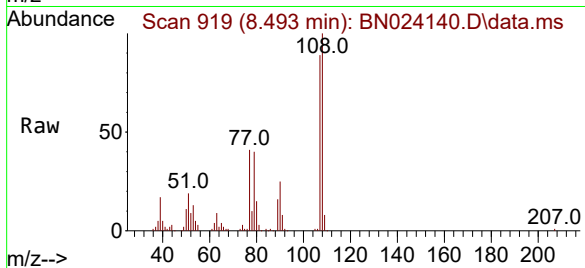
MDL-SOIL-QT1-2023-02

Tgt Ion:108 Resp: 95253

Ion Ratio Lower Upper

108 100

107 88.8 72.3 108.5



#14

2,2'-oxybis(1-Chloropropane)

Concen: 4.951 ng/ul

RT: 8.593 min Scan# 936

Delta R.T. -0.000 min

Lab File: BN024140.D

Acq: 07 Mar 2023 12:01

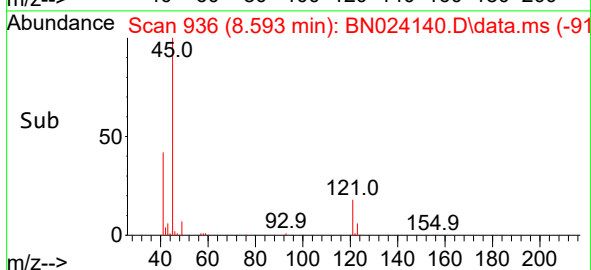
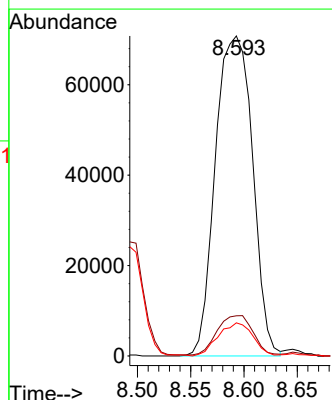
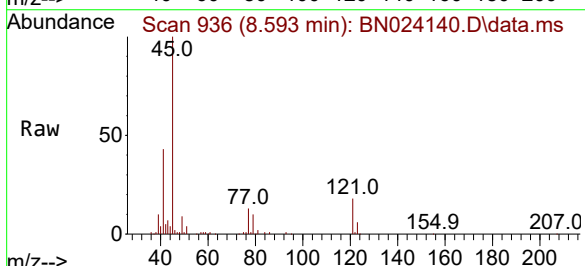
Tgt Ion: 45 Resp: 172042

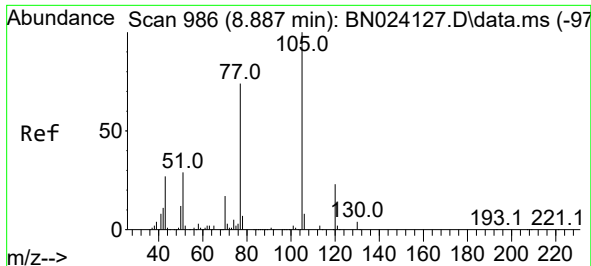
Ion Ratio Lower Upper

45 100

77 12.5 9.8 14.6

79 10.4 7.4 11.0

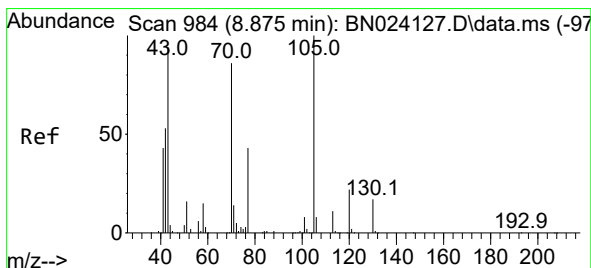
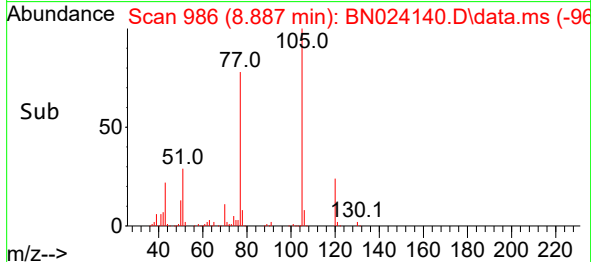
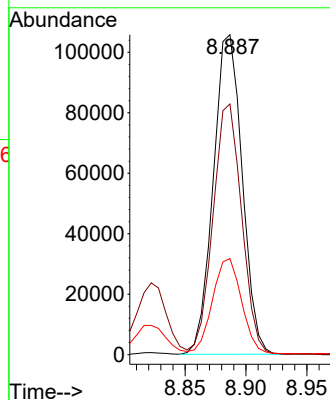
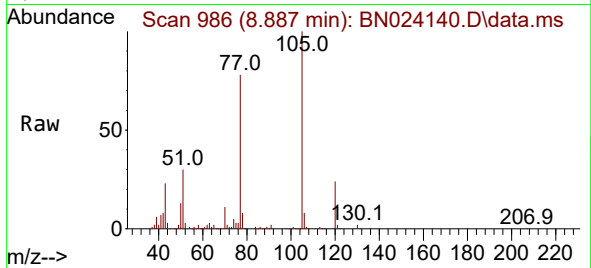




#16
Acetophenone
Concen: 5.428 ng/ul
RT: 8.887 min Scan# 91
Delta R.T. -0.000 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

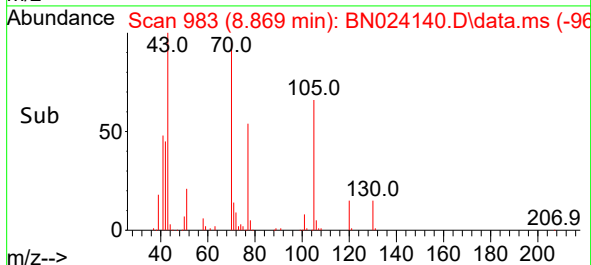
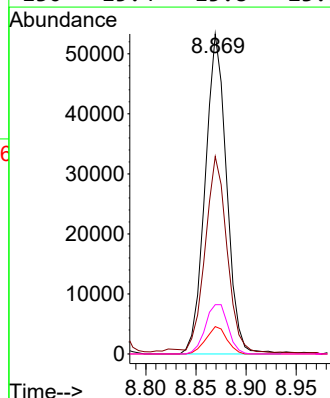
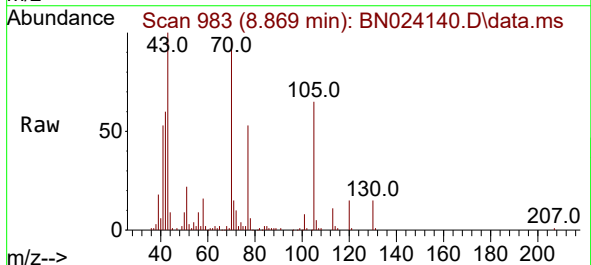
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-02

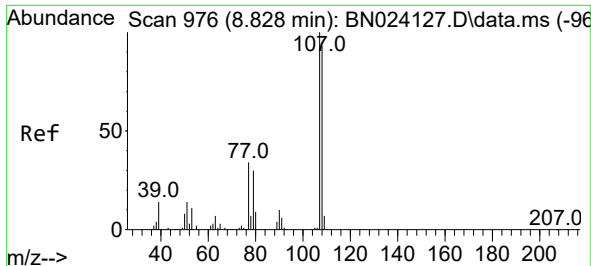
Tgt Ion:105 Resp: 174684
Ion Ratio Lower Upper
105 100
77 78.3 61.4 92.0
51 30.1 23.8 35.8



#17
N-Nitroso-di-n-propylamine
Concen: 5.028 ng/ul
RT: 8.869 min Scan# 983
Delta R.T. -0.006 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

Tgt Ion: 70 Resp: 79442
Ion Ratio Lower Upper
70 100
42 61.7 50.8 76.2
101 8.6 7.2 10.8
130 15.4 15.8 23.8#





#18

4-Methylphenol

Concen: 4.922 ng/ul

RT: 8.822 min Scan# 91

Delta R.T. -0.006 min

Lab File: BN024140.D

Acq: 07 Mar 2023 12:01

Instrument :

BNA_N

ClientSampleId :

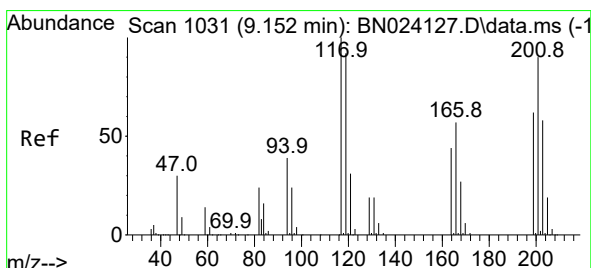
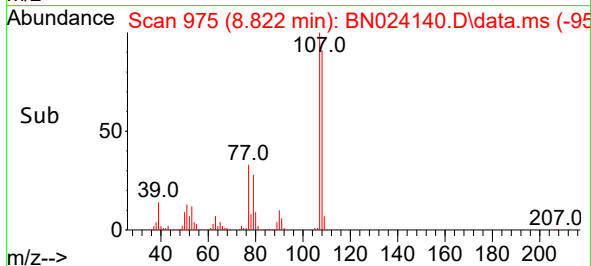
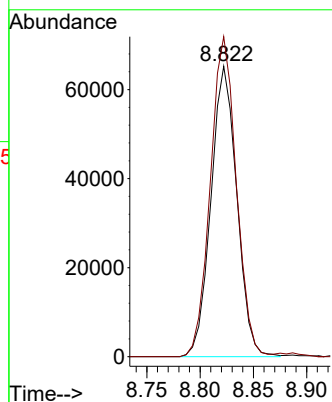
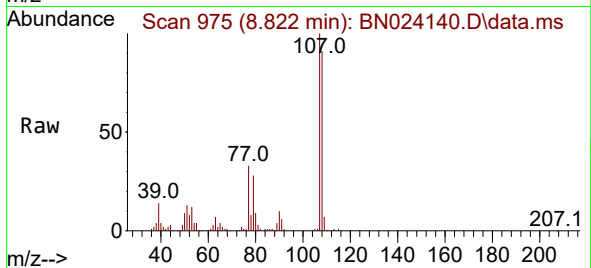
MDL-SOIL-QT1-2023-02

Tgt Ion:108 Resp: 110114

Ion Ratio Lower Upper

108 100

107 110.2 87.8 131.6



#19

Hexachloroethane

Concen: 4.644 ng/ul

RT: 9.152 min Scan# 1031

Delta R.T. -0.000 min

Lab File: BN024140.D

Acq: 07 Mar 2023 12:01

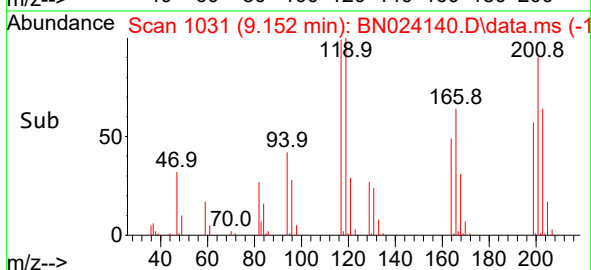
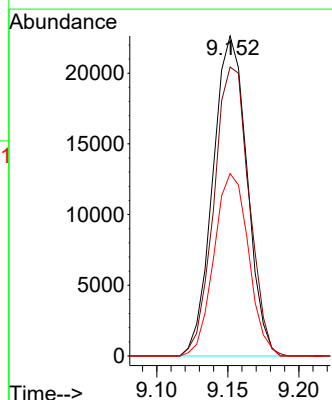
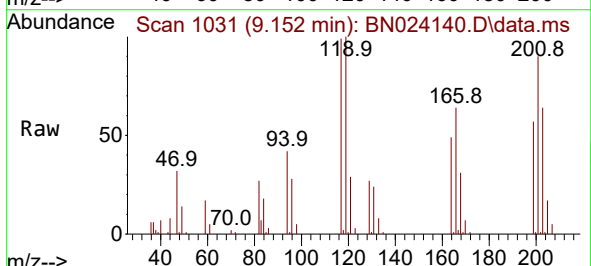
Tgt Ion:117 Resp: 37919

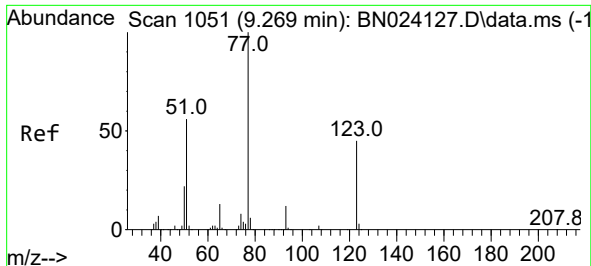
Ion Ratio Lower Upper

117 100

201 90.3 73.8 110.6

199 57.0 47.2 70.8

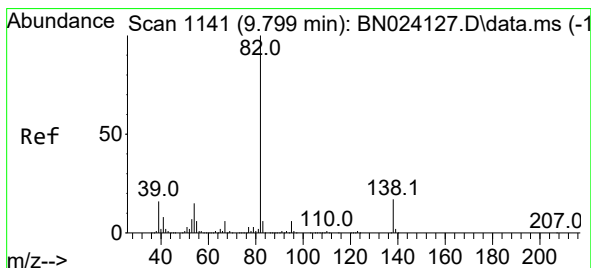
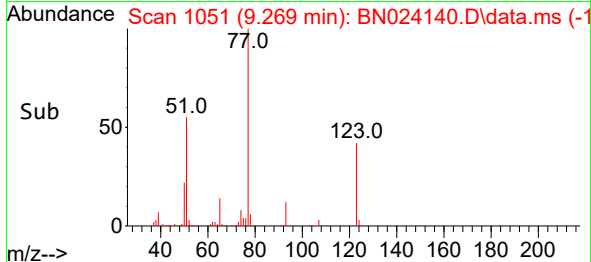
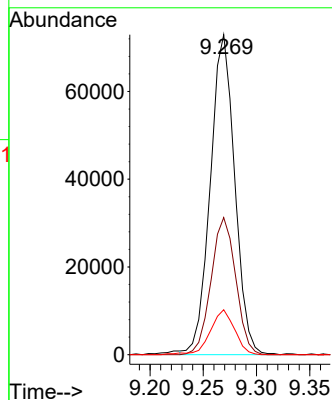
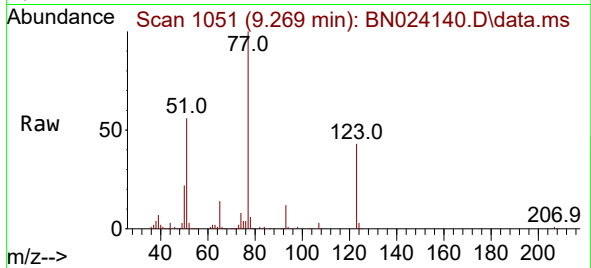




#22
Nitrobenzene
Concen: 5.199 ng/ul
RT: 9.269 min Scan# 1100
Delta R.T. -0.000 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

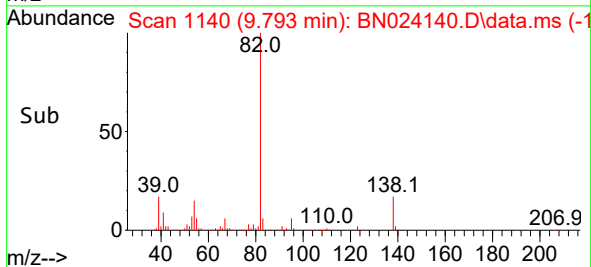
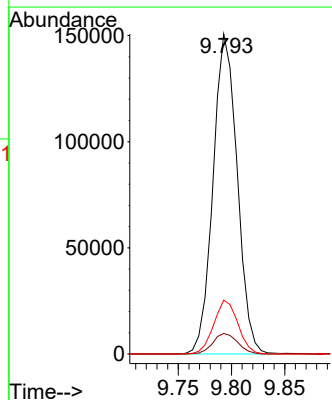
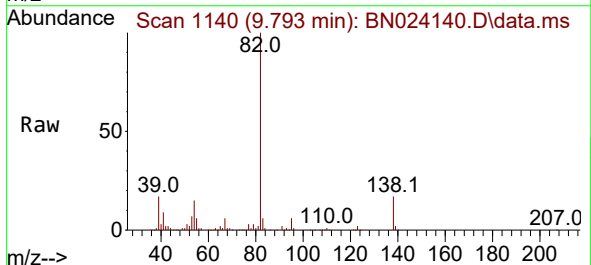
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-02

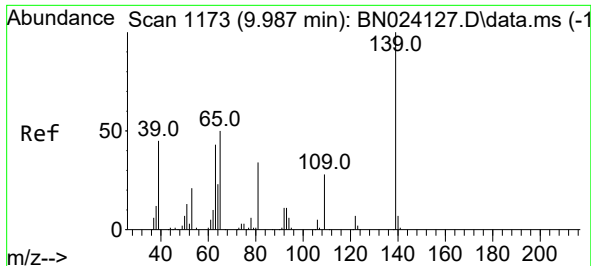
Tgt Ion: 77 Resp: 116355
Ion Ratio Lower Upper
77 100
123 42.8 34.8 52.2
65 14.0 11.0 16.4



#23
Isophorone
Concen: 4.855 ng/ul
RT: 9.793 min Scan# 1140
Delta R.T. -0.006 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

Tgt Ion: 82 Resp: 237504
Ion Ratio Lower Upper
82 100
95 6.4 5.0 7.6
138 16.8 13.8 20.6

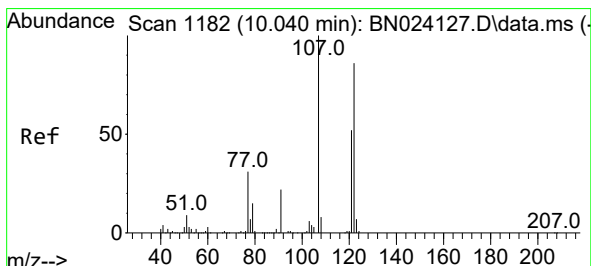
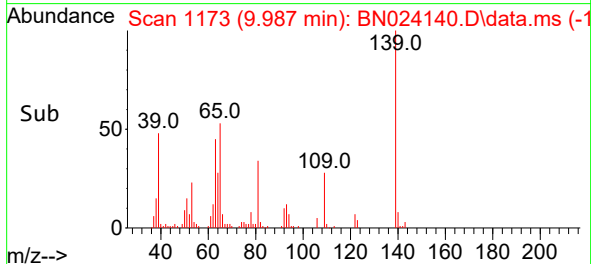
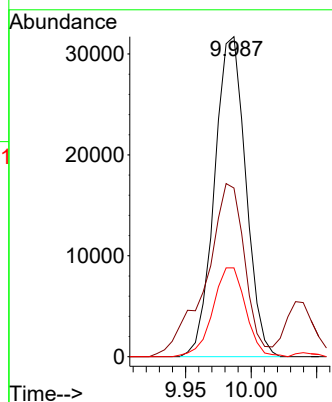
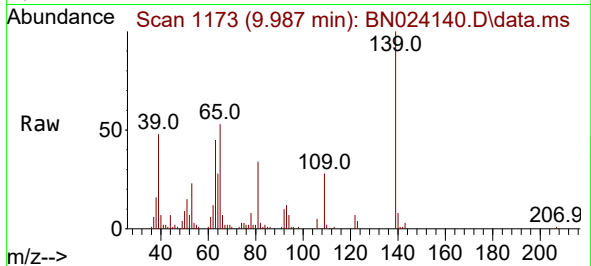




#25
2-Nitrophenol
Concen: 5.075 ng/ul
RT: 9.987 min Scan# 1173
Delta R.T. -0.000 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

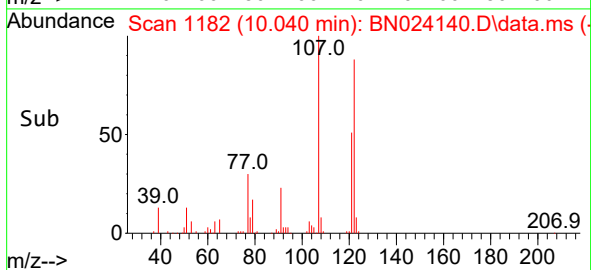
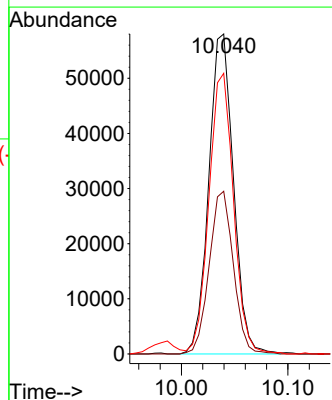
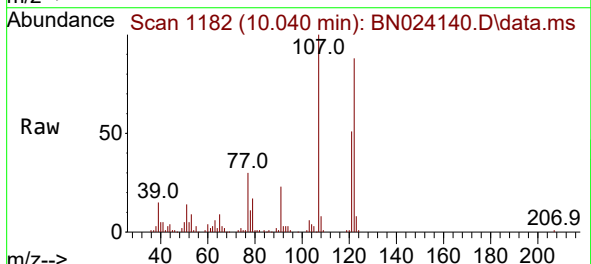
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-02

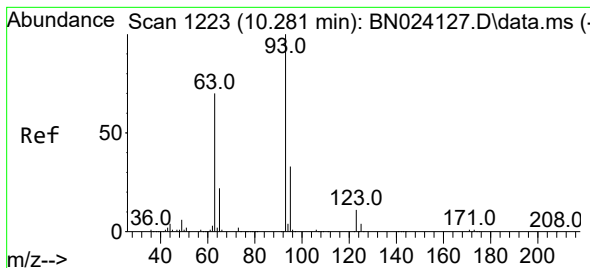
Tgt Ion:139 Resp: 52560
Ion Ratio Lower Upper
139 100
65 52.7 44.5 66.7
109 27.8 23.4 35.2



#26
2,4-Dimethylphenol
Concen: 3.955 ng/ul
RT: 10.040 min Scan# 1182
Delta R.T. -0.000 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

Tgt Ion:107 Resp: 93352
Ion Ratio Lower Upper
107 100
121 50.9 40.2 60.2
122 87.7 71.8 107.8





#27

Bis(2-Chloroethoxy)methane

Concen: 5.058 ng/ul

RT: 10.281 min Scan# 1223

Delta R.T. -0.000 min

Lab File: BN024140.D

Acq: 07 Mar 2023 12:01

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT1-2023-02

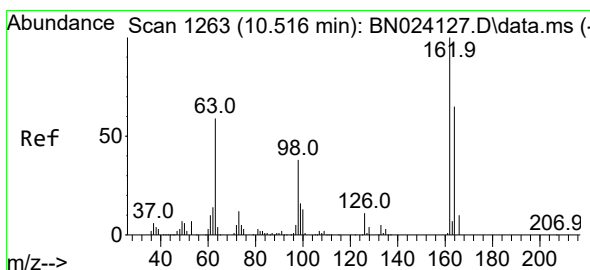
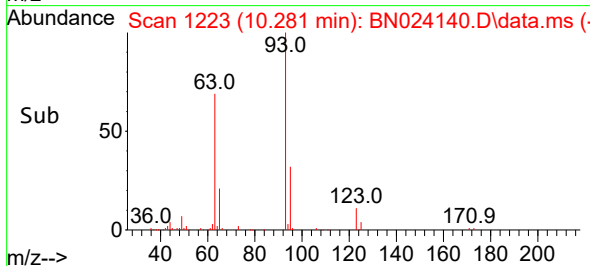
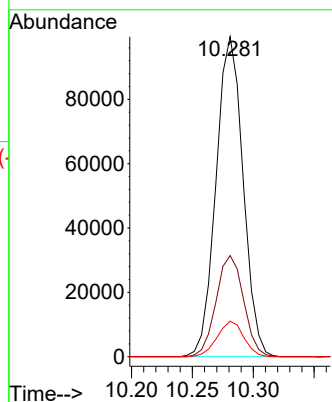
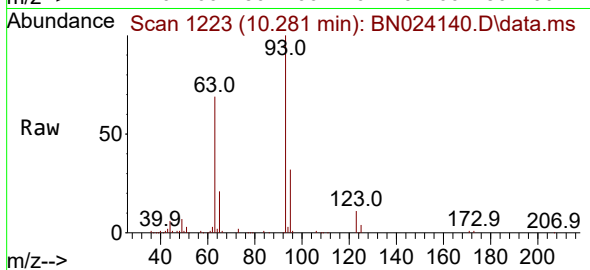
Tgt Ion: 93 Resp: 153629

Ion Ratio Lower Upper

93 100

95 31.6 25.4 38.2

123 11.1 8.6 12.8



#29

2,4-Dichlorophenol

Concen: 5.110 ng/ul

RT: 10.516 min Scan# 1263

Delta R.T. -0.000 min

Lab File: BN024140.D

Acq: 07 Mar 2023 12:01

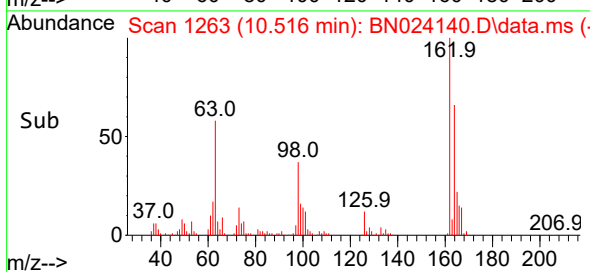
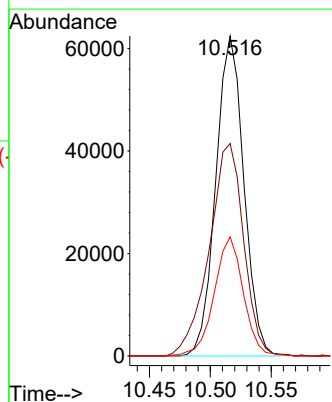
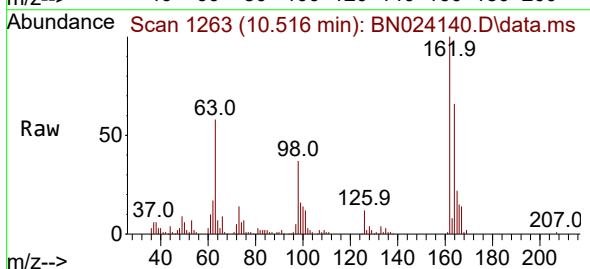
Tgt Ion: 162 Resp: 100335

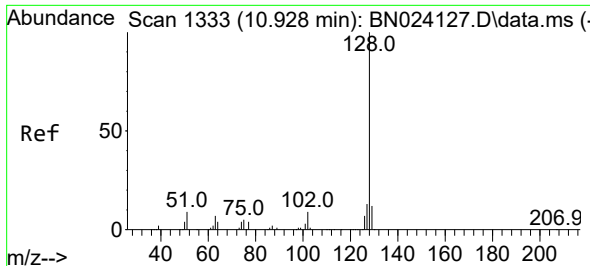
Ion Ratio Lower Upper

162 100

164 66.4 52.6 78.8

98 37.2 29.8 44.8

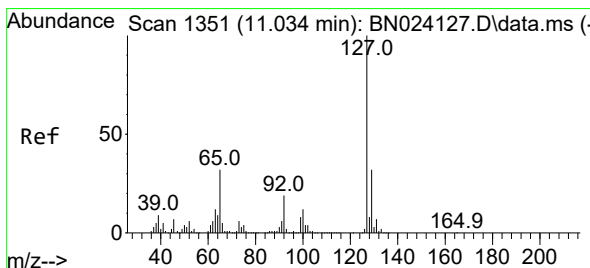
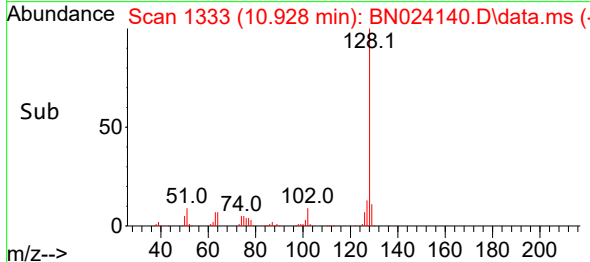
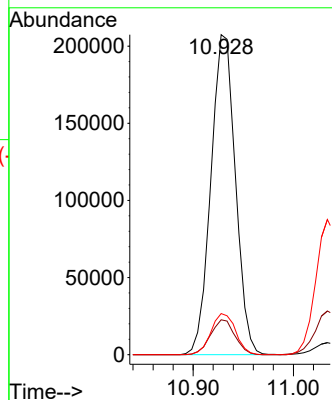
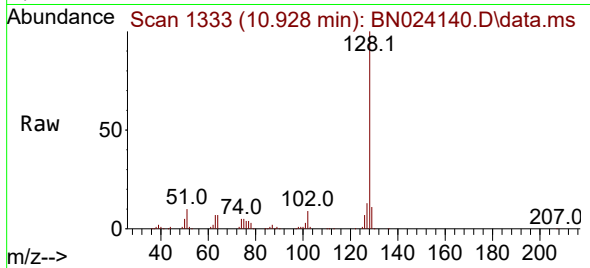




#30
Naphthalene
Concen: 5.022 ng/ul
RT: 10.928 min Scan# 1333
Delta R.T. -0.000 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

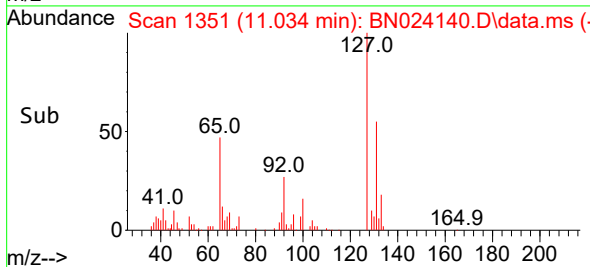
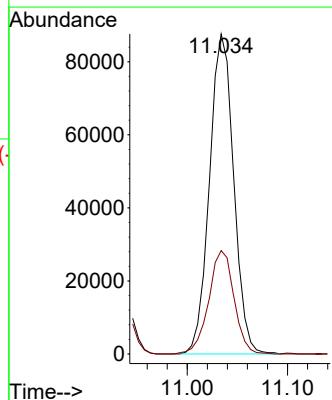
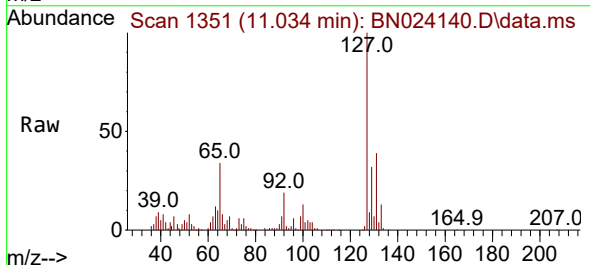
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-02

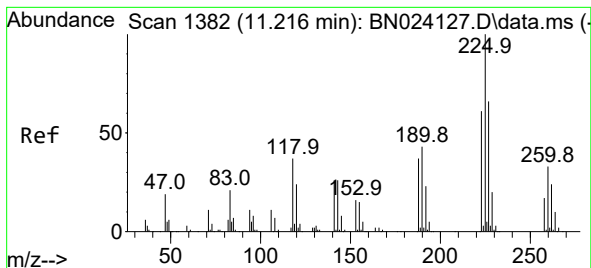
Tgt Ion:128 Resp: 352037
Ion Ratio Lower Upper
128 100
129 10.9 8.6 12.8
127 12.9 10.1 15.1



#32
4-Chloroaniline
Concen: 5.021 ng/ul
RT: 11.034 min Scan# 1351
Delta R.T. -0.000 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

Tgt Ion:127 Resp: 146960
Ion Ratio Lower Upper
127 100
129 32.3 25.1 37.7





#33

Hexachlorobutadiene

Concen: 4.808 ng/ul

RT: 11.222 min Scan# 11

Delta R.T. 0.006 min

Lab File: BN024140.D

Acq: 07 Mar 2023 12:01

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT1-2023-02

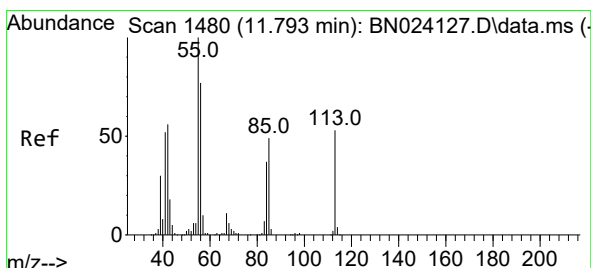
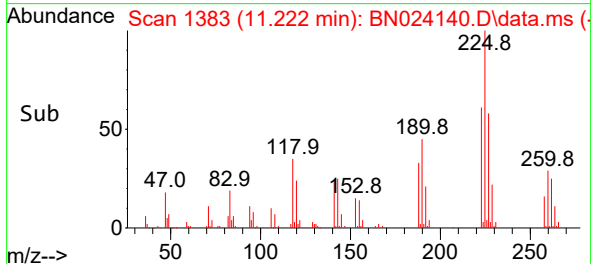
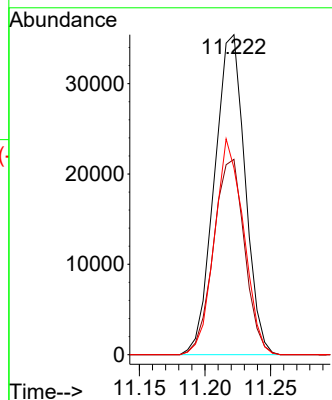
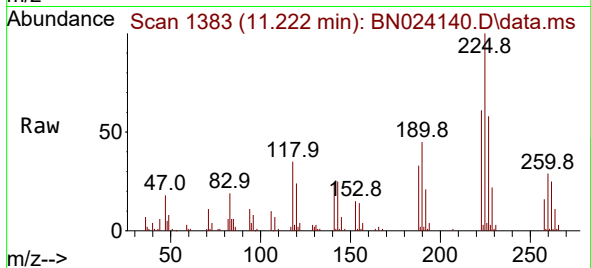
Tgt Ion:225 Resp: 57537

Ion Ratio Lower Upper

225 100

223 61.0 53.6 80.4

227 58.4 53.0 79.4



#34

Caprolactam

Concen: 5.003 ng/ul

RT: 11.804 min Scan# 1482

Delta R.T. 0.012 min

Lab File: BN024140.D

Acq: 07 Mar 2023 12:01

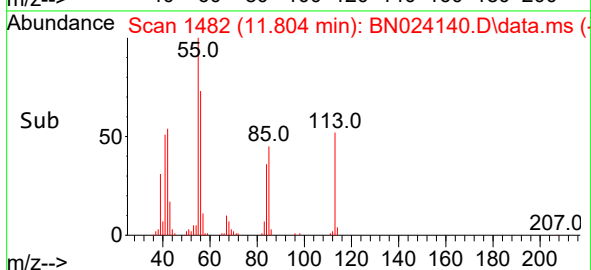
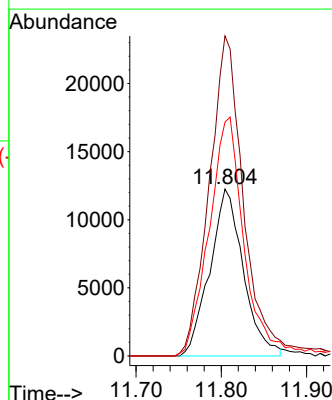
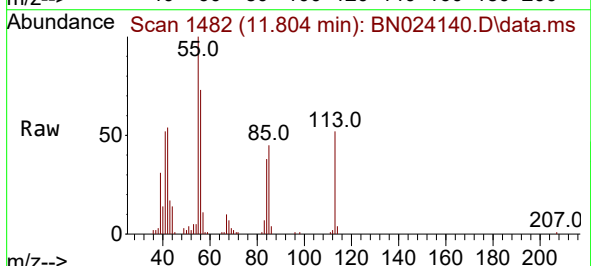
Tgt Ion:113 Resp: 33497

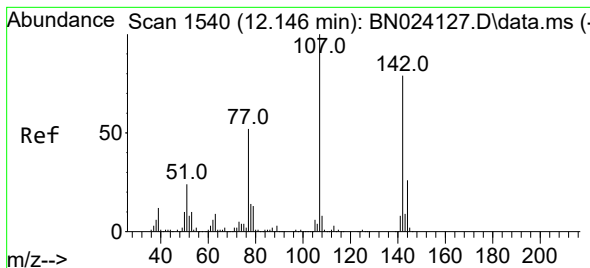
Ion Ratio Lower Upper

113 100

55 191.7 155.4 233.2

56 140.1 111.0 166.6

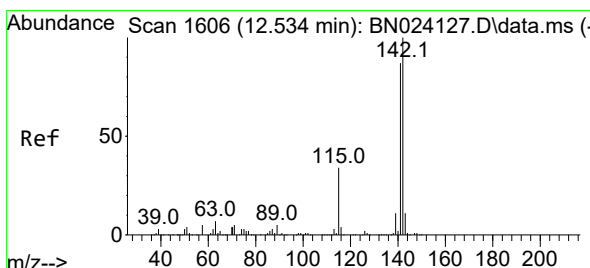
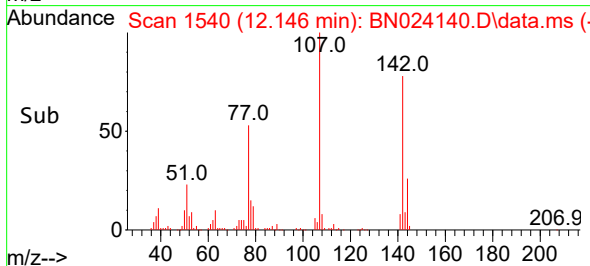
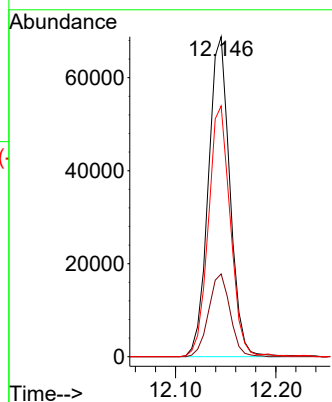
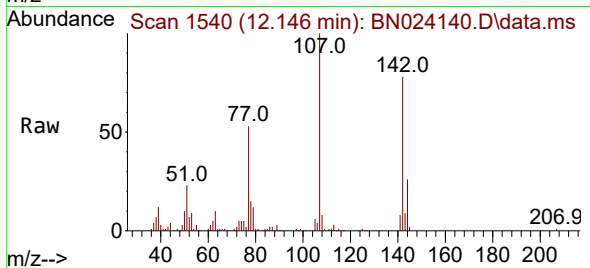




#35
4-Chloro-3-methylphenol
Concen: 4.753 ng/ul
RT: 12.146 min Scan# 1540
Delta R.T. -0.000 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

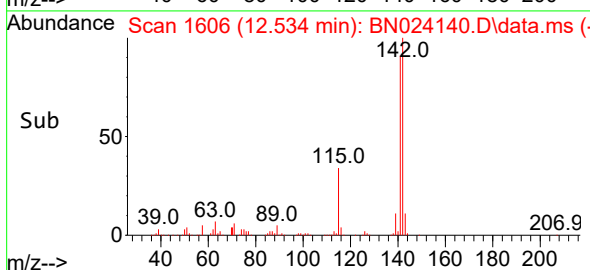
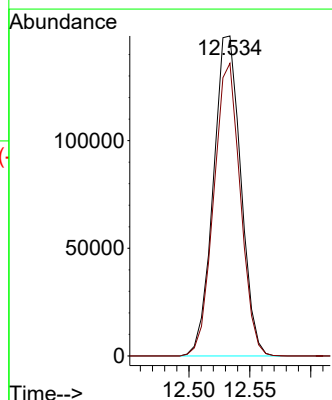
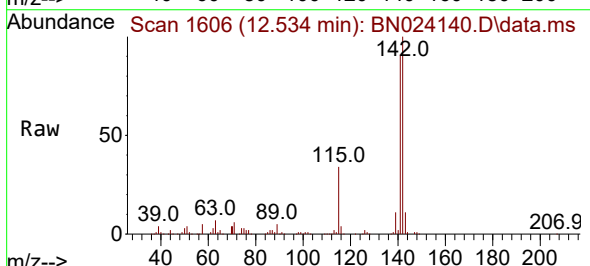
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-02

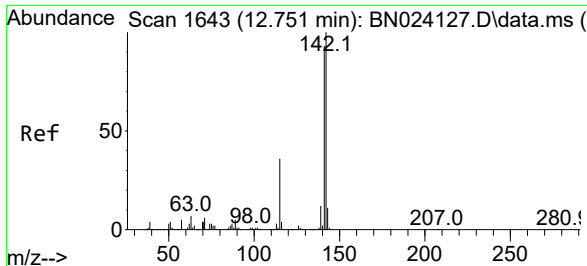
Tgt Ion:107 Resp: 102817
Ion Ratio Lower Upper
107 100
144 25.8 21.0 31.4
142 78.4 65.7 98.5



#36
2-Methylnaphthalene
Concen: 5.068 ng/ul
RT: 12.534 min Scan# 1606
Delta R.T. -0.000 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

Tgt Ion:142 Resp: 233879
Ion Ratio Lower Upper
142 100
141 91.4 68.2 102.4

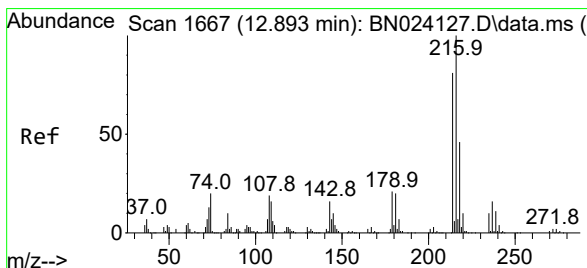
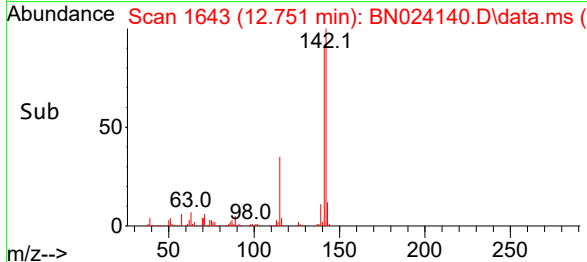
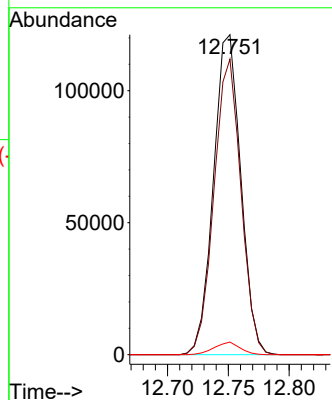
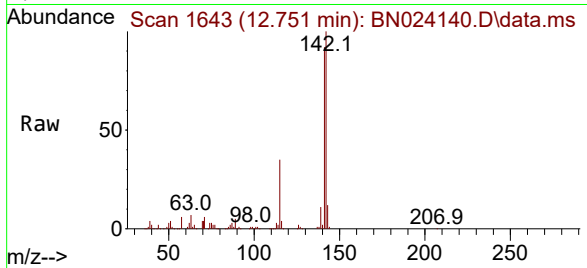




#37
1-Methylnaphthalene
Concen: 4.091 ng/ul
RT: 12.751 min Scan# 1643
Delta R.T. -0.000 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

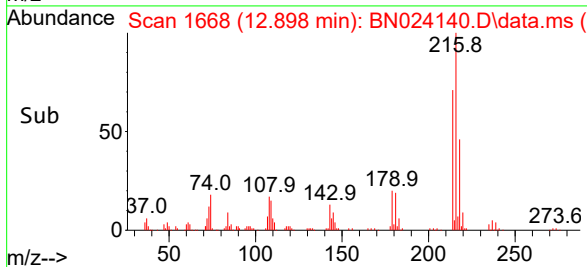
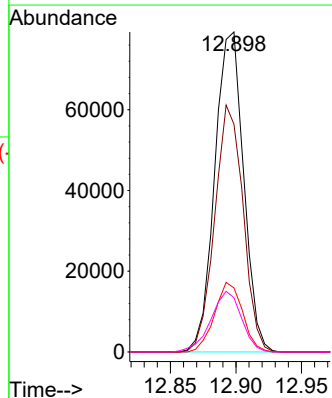
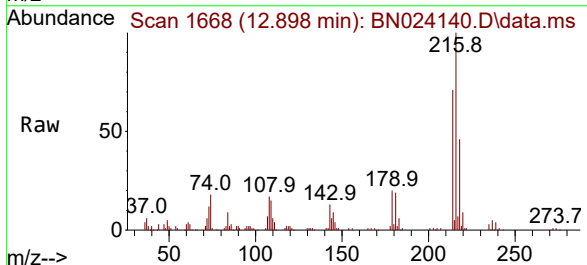
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-02

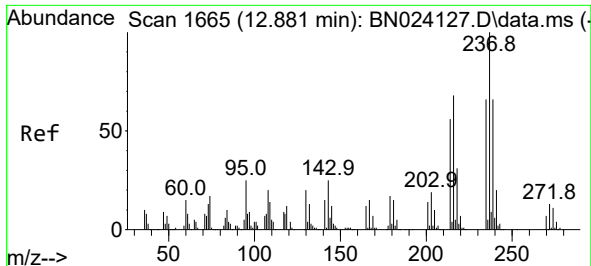
Tgt Ion:142 Resp: 189204
Ion Ratio Lower Upper
142 100
141 92.4 75.5 113.3
116 4.0 3.1 4.7



#39
1,2,4,5-Tetrachlorobenzene
Concen: 5.228 ng/ul
RT: 12.898 min Scan# 1668
Delta R.T. 0.006 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

Tgt Ion:216 Resp: 121270
Ion Ratio Lower Upper
216 100
214 71.1 60.0 90.0
179 20.0 17.0 25.6
108 16.9 14.3 21.5

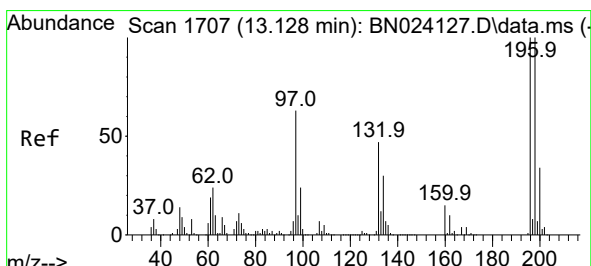
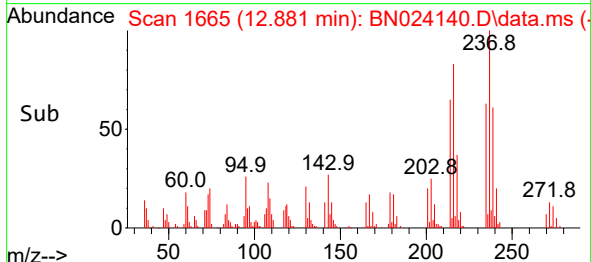
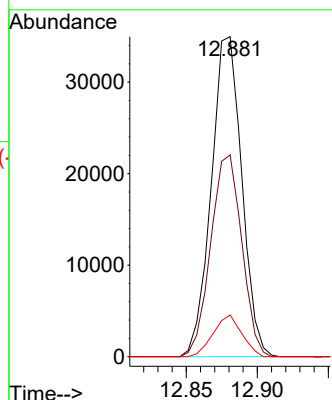
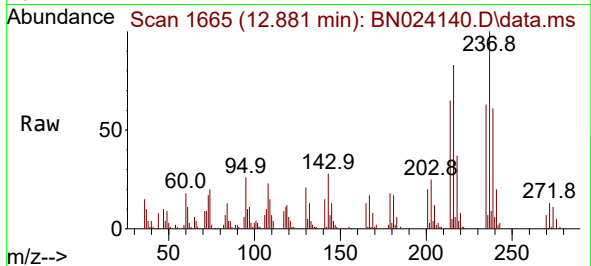




#40
Hexachlorocyclopentadiene
Concen: 4.178 ng/ul
RT: 12.881 min Scan# 1665
Delta R.T. -0.000 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

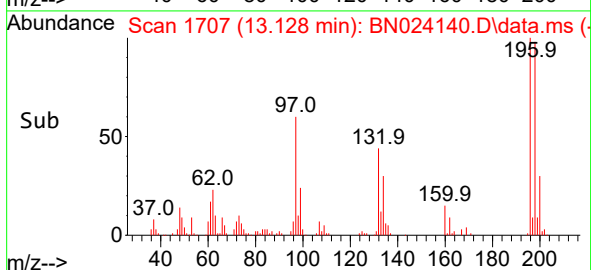
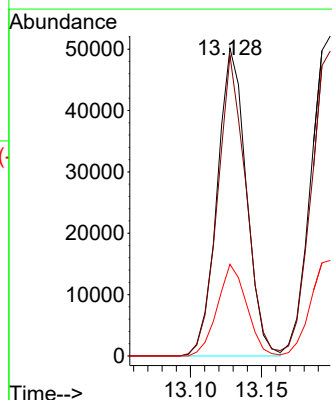
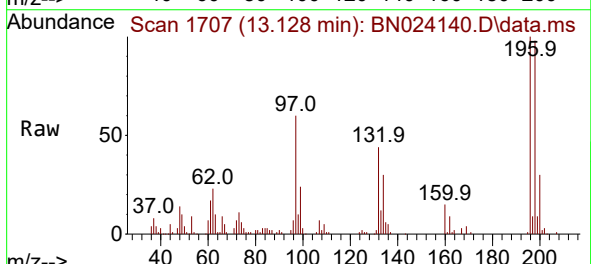
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-02

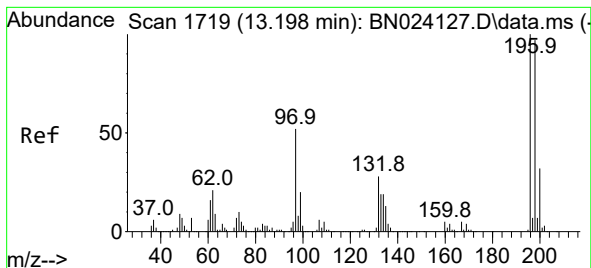
Tgt Ion:237 Resp: 52228
Ion Ratio Lower Upper
237 100
235 63.1 50.1 75.1
272 13.6 11.1 16.7



#41
2,4,6-Trichlorophenol
Concen: 4.706 ng/ul
RT: 13.128 min Scan# 1707
Delta R.T. -0.000 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

Tgt Ion:196 Resp: 71500
Ion Ratio Lower Upper
196 100
198 97.6 80.6 121.0
200 29.8 26.1 39.1





#42

2,4,5-Trichlorophenol

Concen: 4.715 ng/ul

RT: 13.198 min Scan# 1719

Delta R.T. -0.000 min

Lab File: BN024140.D

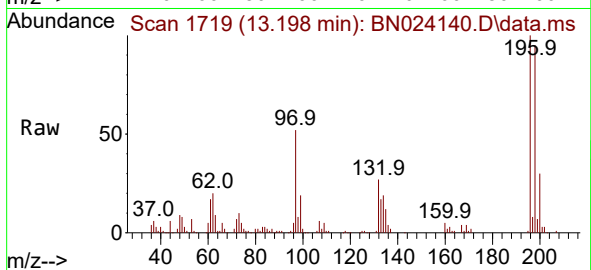
Acq: 07 Mar 2023 12:01

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT1-2023-02



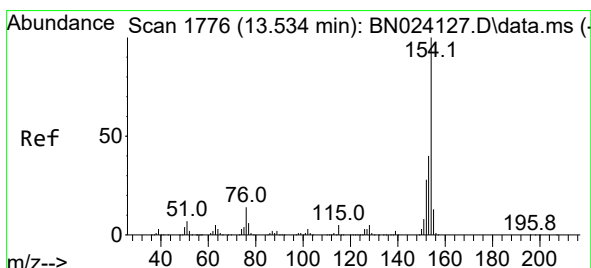
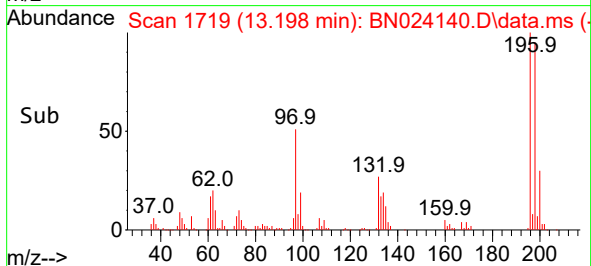
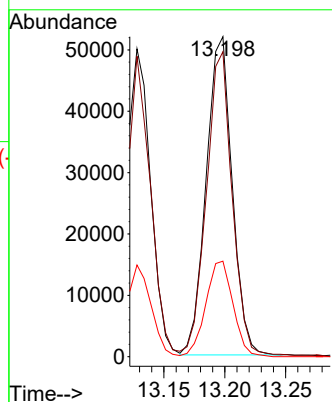
Tgt Ion:196 Resp: 77164

Ion Ratio Lower Upper

196 100

198 95.3 79.7 119.5

200 29.8 26.1 39.1



#43

1,1'-Biphenyl

Concen: 5.156 ng/ul

RT: 13.534 min Scan# 1776

Delta R.T. -0.000 min

Lab File: BN024140.D

Acq: 07 Mar 2023 12:01

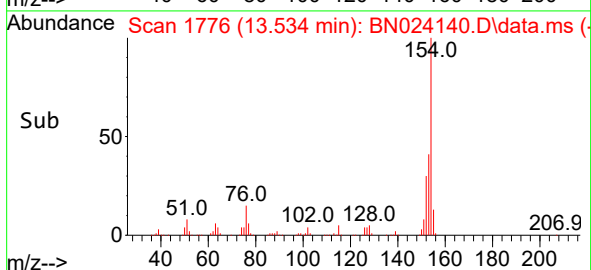
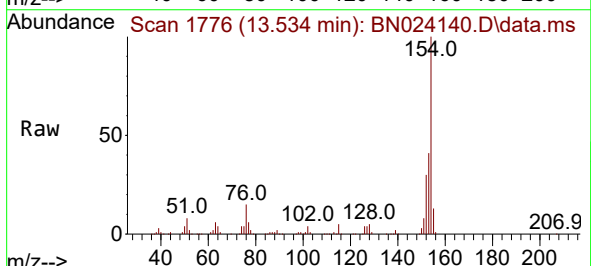
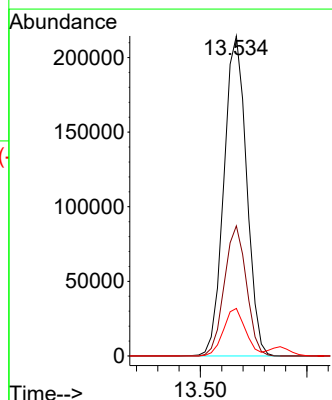
Tgt Ion:154 Resp: 316589

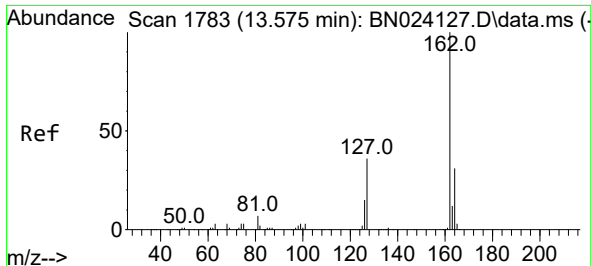
Ion Ratio Lower Upper

154 100

153 40.6 30.8 46.2

76 14.8 11.1 16.7

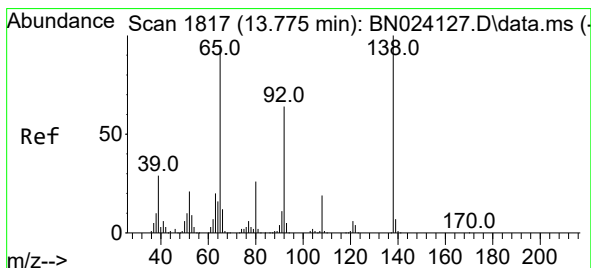
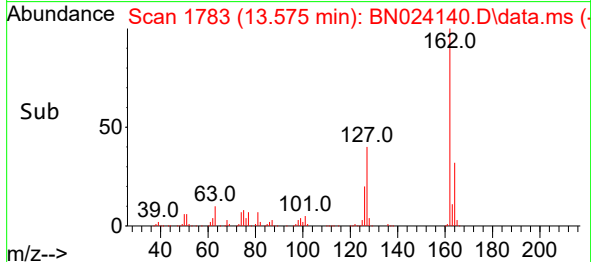
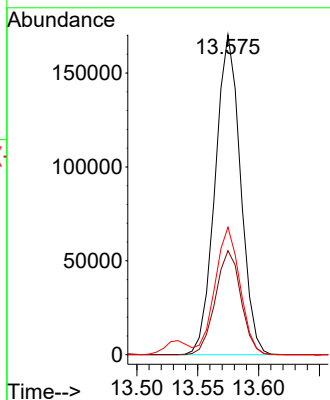
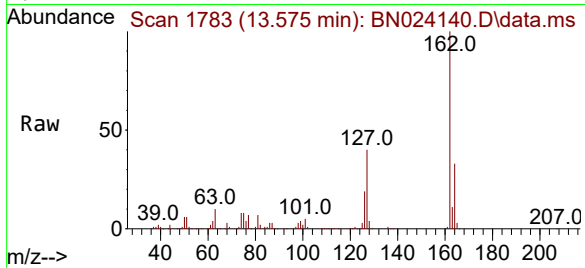




#44
2-Chloronaphthalene
Concen: 5.159 ng/ul
RT: 13.575 min Scan# 11
Delta R.T. -0.000 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

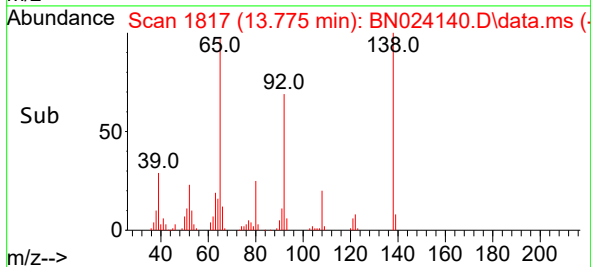
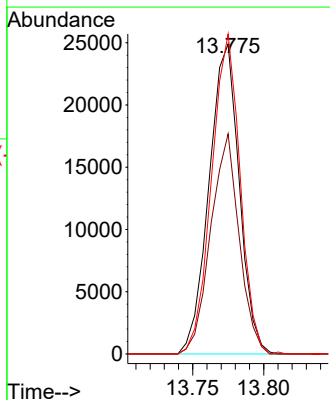
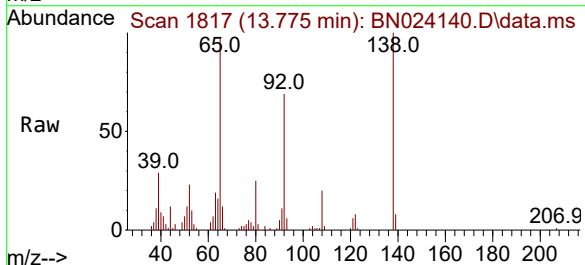
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-02

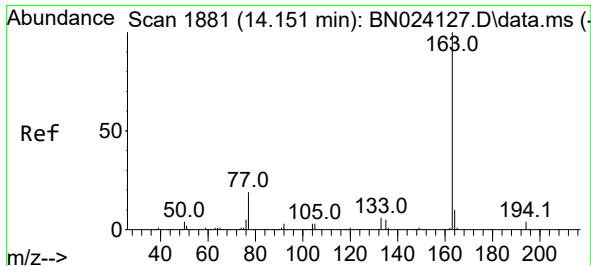
Tgt Ion:162 Resp: 246812
Ion Ratio Lower Upper
162 100
164 32.5 25.8 38.6
127 39.9 30.8 46.2



#45
2-Nitroaniline
Concen: 3.531 ng/ul
RT: 13.775 min Scan# 1817
Delta R.T. -0.000 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

Tgt Ion: 65 Resp: 36805
Ion Ratio Lower Upper
65 100
92 71.0 53.8 80.8
138 103.2 84.1 126.1

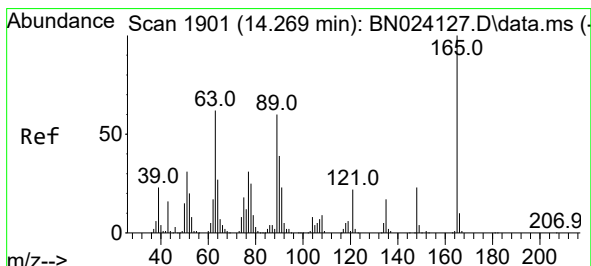
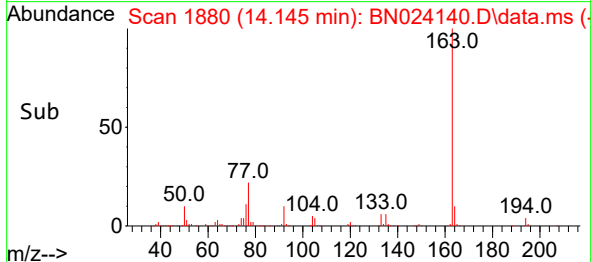
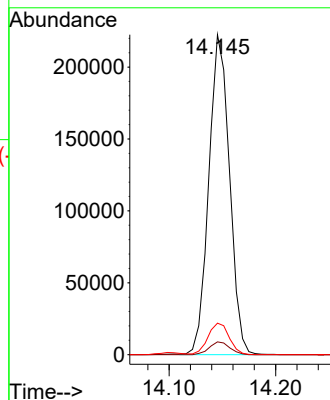
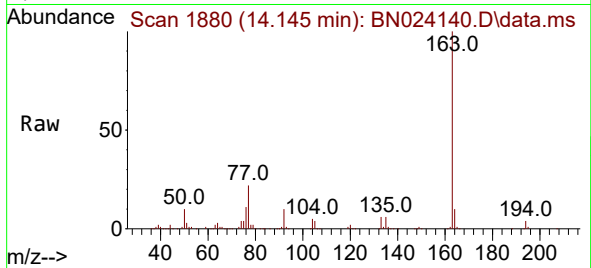




#47
Dimethylphthalate
Concen: 5.013 ng/ul
RT: 14.145 min Scan# 1880
Delta R.T. -0.006 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

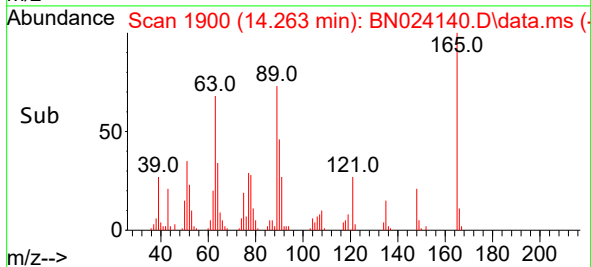
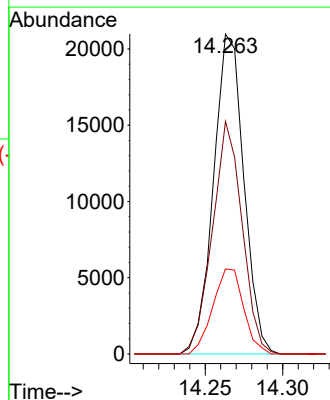
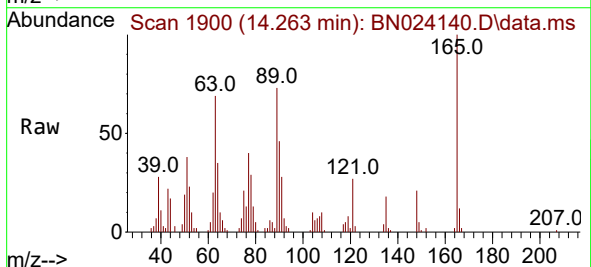
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-02

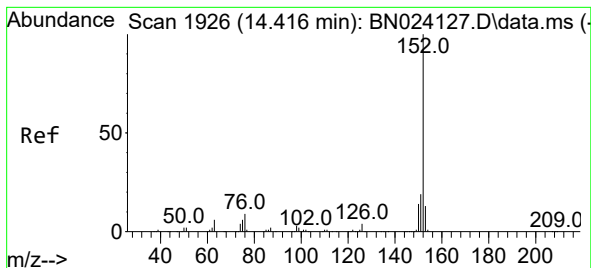
Tgt Ion:163 Resp: 300573
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 9.8 8.1 12.1



#48
2,6-Dinitrotoluene
Concen: 3.238 ng/ul
RT: 14.263 min Scan# 1900
Delta R.T. -0.006 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

Tgt Ion:165 Resp: 28572
Ion Ratio Lower Upper
165 100
89 72.7 52.6 78.8
121 26.5 19.4 29.2





#50

Acenaphthylene

Concen: 5.156 ng/ul

RT: 14.416 min Scan# 1926

Delta R.T. -0.000 min

Lab File: BN024140.D

Acq: 07 Mar 2023 12:01

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT1-2023-02

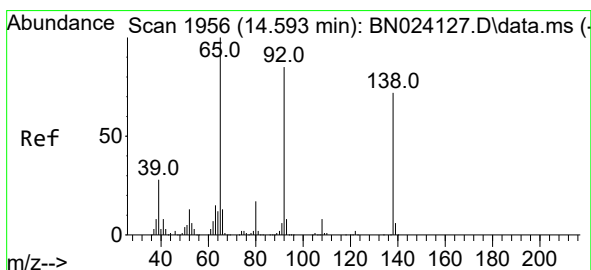
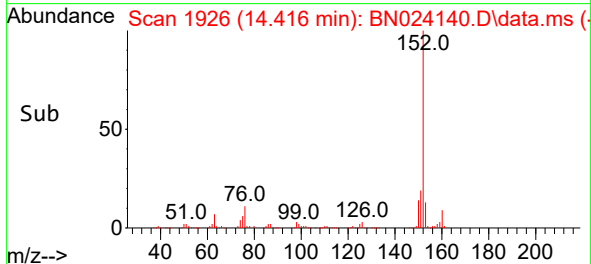
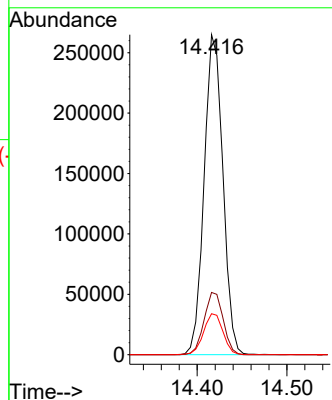
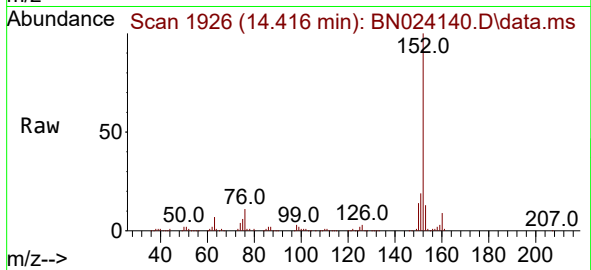
Tgt Ion:152 Resp: 384704

Ion Ratio Lower Upper

152 100

151 19.5 15.6 23.4

153 12.8 10.1 15.1



#51

3-Nitroaniline

Concen: 3.538 ng/ul

RT: 14.592 min Scan# 1956

Delta R.T. -0.000 min

Lab File: BN024140.D

Acq: 07 Mar 2023 12:01

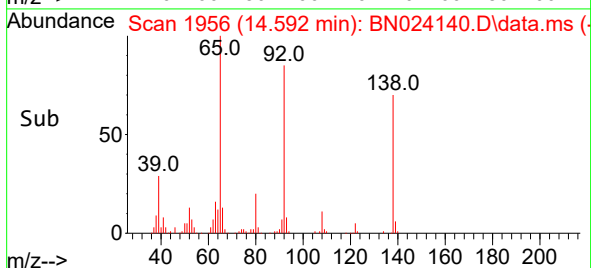
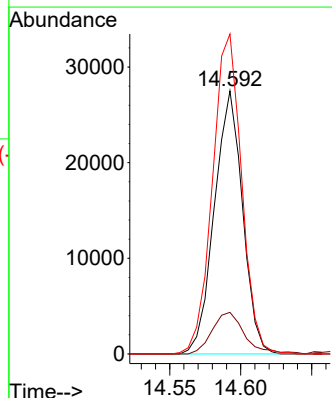
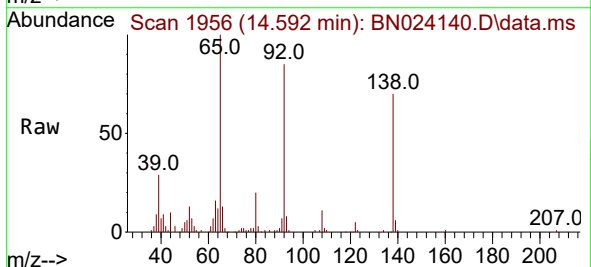
Tgt Ion:138 Resp: 37955

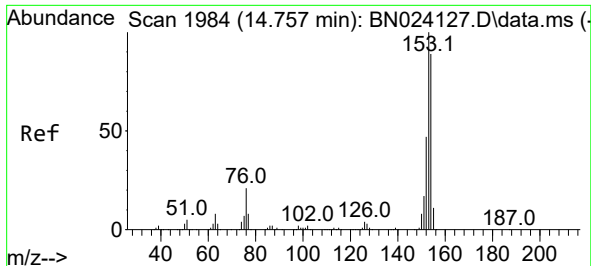
Ion Ratio Lower Upper

138 100

108 15.8 9.6 14.4#

92 121.7 95.3 142.9

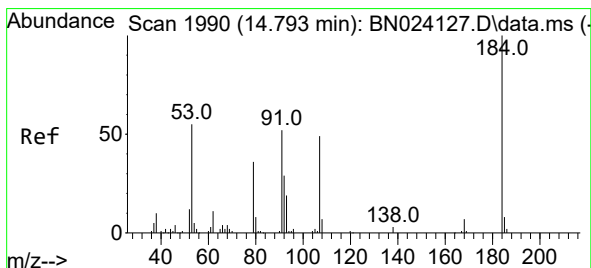
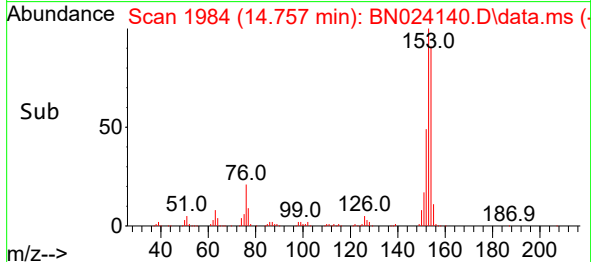
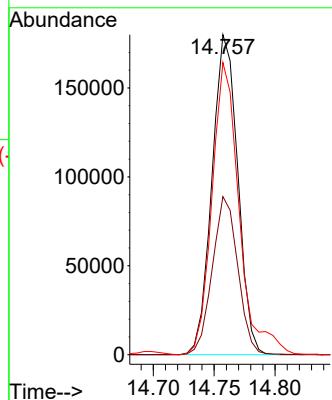
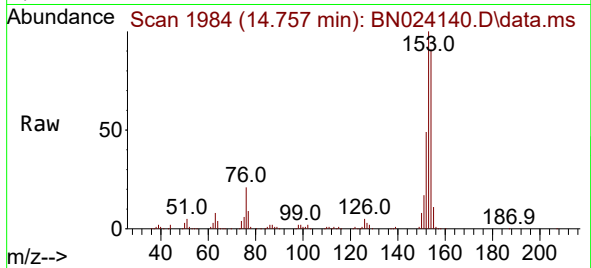




#52
Acenaphthene
Concen: 5.197 ng/ul
RT: 14.757 min Scan# 1984
Delta R.T. -0.000 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

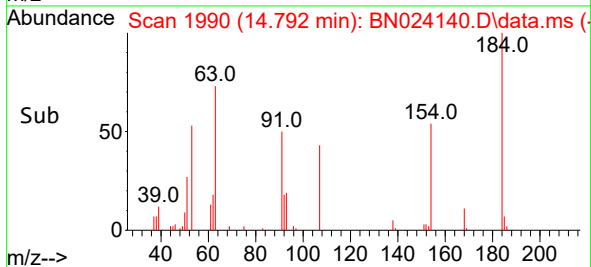
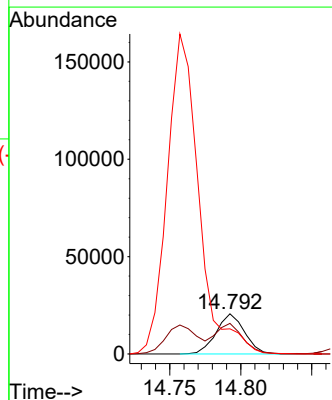
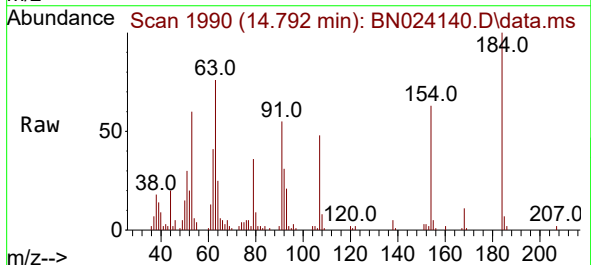
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-02

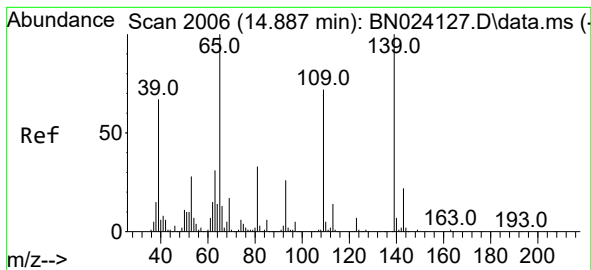
Tgt Ion:153 Resp: 264517
Ion Ratio Lower Upper
153 100
152 49.4 39.7 59.5
154 91.3 70.6 106.0



#53
2,4-Dinitrophenol
Concen: 4.664 ng/ul
RT: 14.792 min Scan# 1990
Delta R.T. -0.000 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

Tgt Ion:184 Resp: 28494
Ion Ratio Lower Upper
184 100
63 76.0 61.6 92.4
154 62.7 50.2 75.4





#55

4-Nitrophenol

Concen: 4.657 ng/ul

RT: 14.881 min Scan# 2006

Delta R.T. -0.006 min

Lab File: BN024140.D

Acq: 07 Mar 2023 12:01

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT1-2023-02

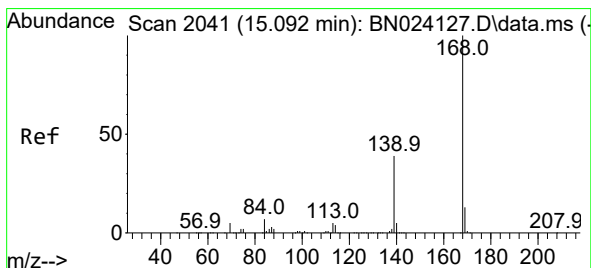
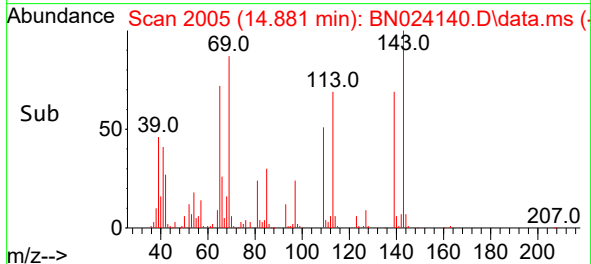
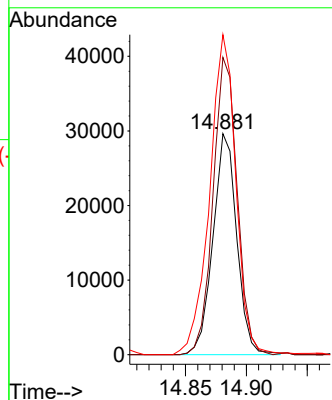
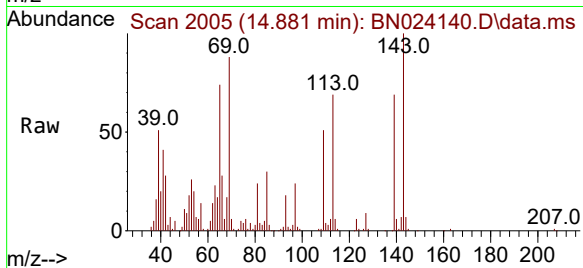
Tgt Ion:109 Resp: 40326

Ion Ratio Lower Upper

109 100

139 134.5 115.0 172.4

65 144.8 115.7 173.5



#56

Dibenzofuran

Concen: 5.098 ng/ul

RT: 15.092 min Scan# 2041

Delta R.T. -0.000 min

Lab File: BN024140.D

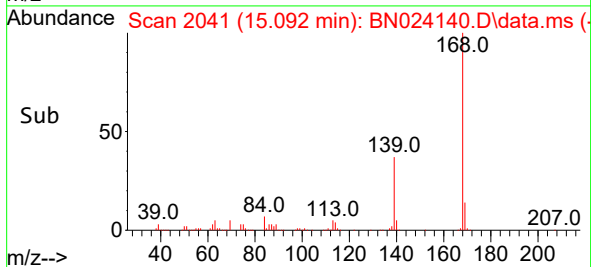
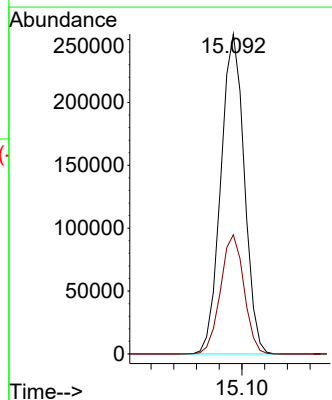
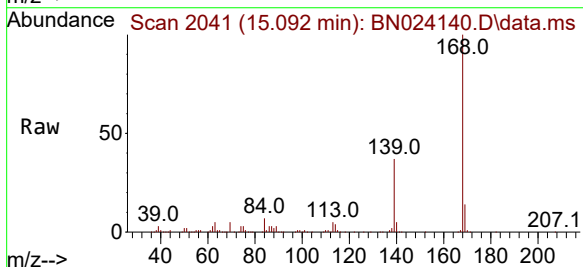
Acq: 07 Mar 2023 12:01

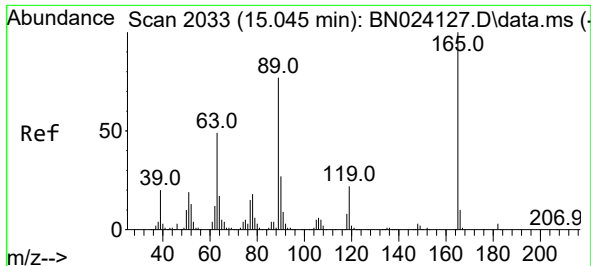
Tgt Ion:168 Resp: 364505

Ion Ratio Lower Upper

168 100

139 37.3 30.7 46.1





#57

2,4-Dinitrotoluene

Concen: 3.785 ng/ul

RT: 15.045 min Scan# 2033

Delta R.T. -0.000 min

Lab File: BN024140.D

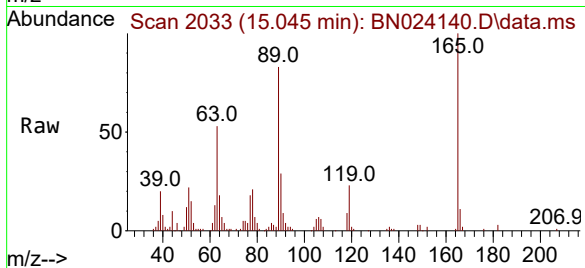
Acq: 07 Mar 2023 12:01

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT1-2023-02



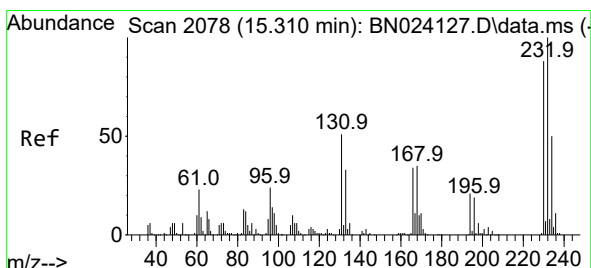
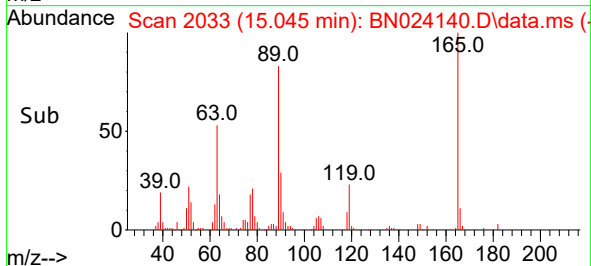
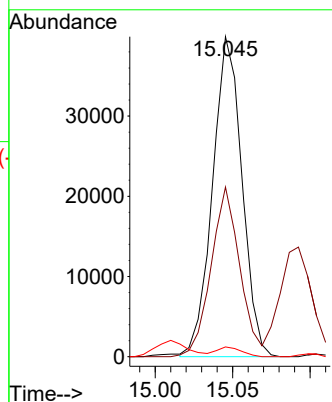
Tgt Ion:165 Resp: 52651

Ion Ratio Lower Upper

165 100

63 53.0 38.5 57.7

182 3.1 2.2 3.4



#58

2,3,4,6-Tetrachlorophenol

Concen: 4.555 ng/ul

RT: 15.310 min Scan# 2078

Delta R.T. -0.000 min

Lab File: BN024140.D

Acq: 07 Mar 2023 12:01

Tgt Ion:232 Resp: 64079

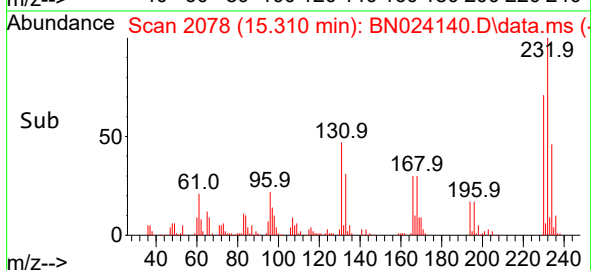
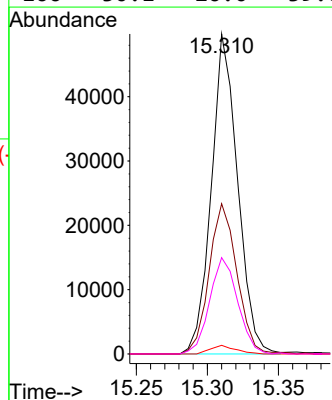
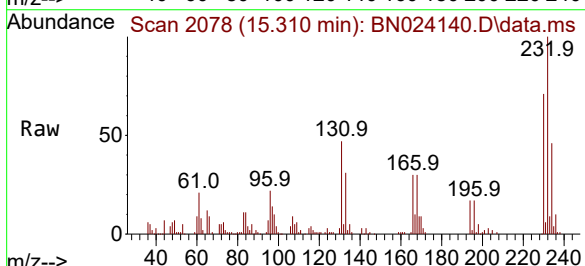
Ion Ratio Lower Upper

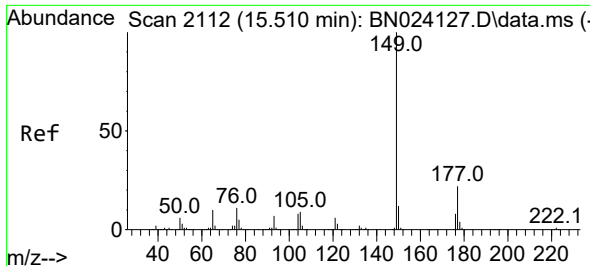
232 100

131 47.0 38.5 57.7

130 2.7 2.0 3.0

166 30.1 26.0 39.0

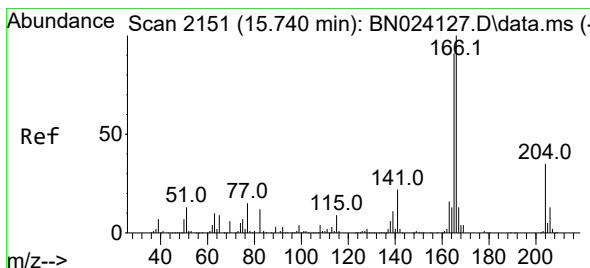
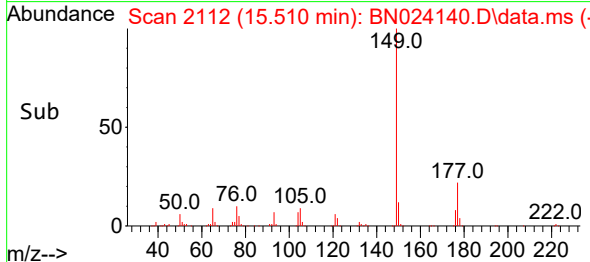
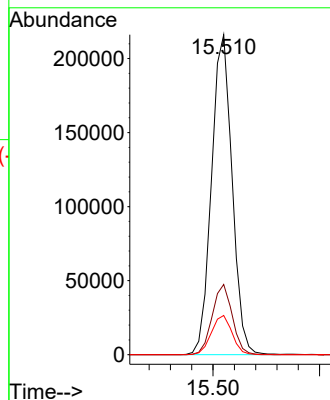
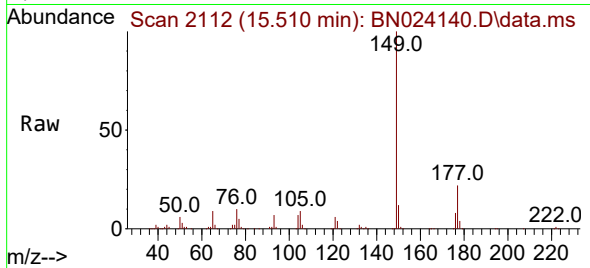




#59
Diethylphthalate
Concen: 4.844 ng/ul
RT: 15.510 min Scan# 2112
Delta R.T. -0.000 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

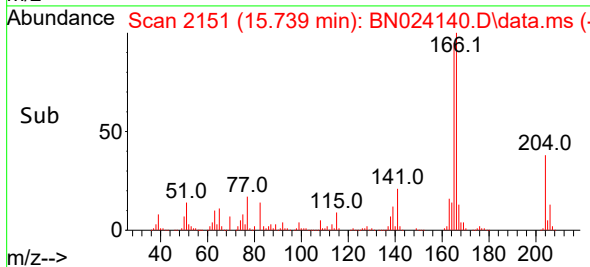
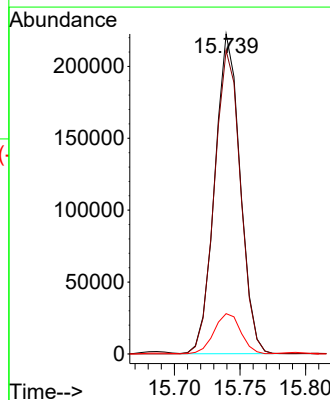
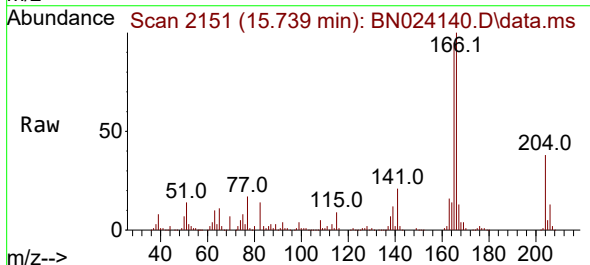
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-02

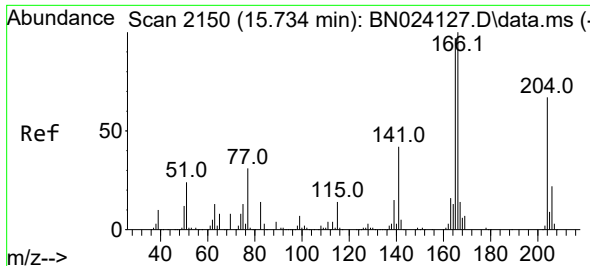
Tgt Ion:149 Resp: 289496
Ion Ratio Lower Upper
149 100
177 21.9 16.9 25.3
150 12.2 9.7 14.5



#61
Fluorene
Concen: 5.344 ng/ul
RT: 15.739 min Scan# 2151
Delta R.T. -0.000 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

Tgt Ion:166 Resp: 299371
Ion Ratio Lower Upper
166 100
165 94.9 75.6 113.4
167 12.6 11.2 16.8

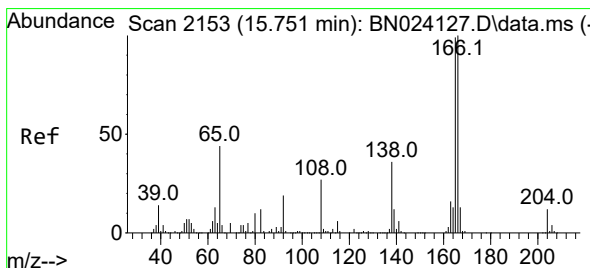
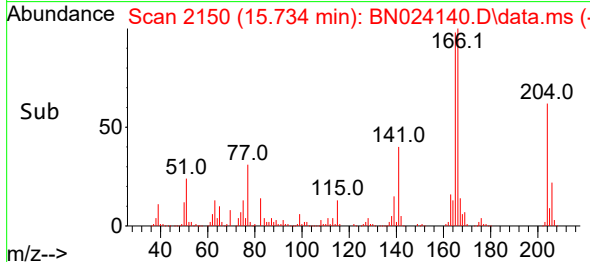
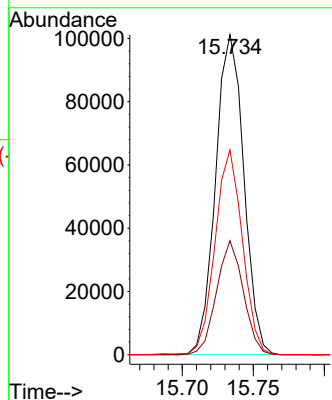
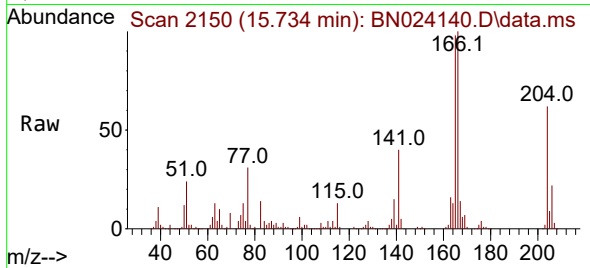




#62
4-Chlorophenyl-phenylether
Concen: 5.231 ng/ul
RT: 15.734 min Scan# 2150
Delta R.T. -0.000 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

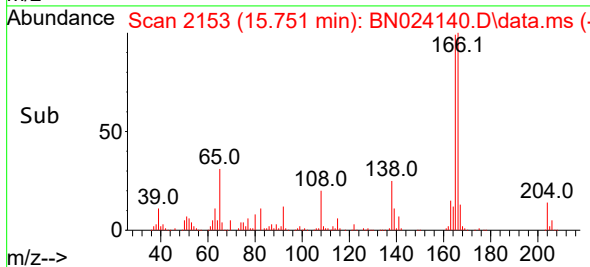
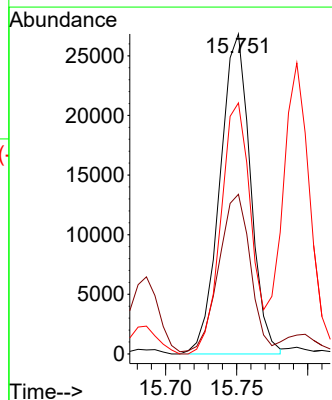
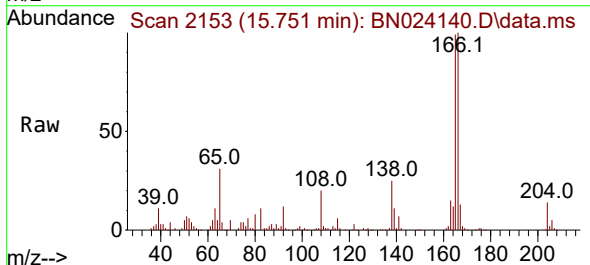
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-02

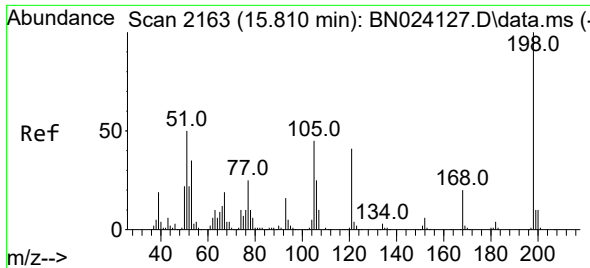
Tgt Ion:204 Resp: 140109
Ion Ratio Lower Upper
204 100
206 35.6 27.1 40.7
141 64.0 47.4 71.0



#63
4-Nitroaniline
Concen: 3.863 ng/ul
RT: 15.751 min Scan# 2153
Delta R.T. -0.000 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

Tgt Ion:138 Resp: 40076
Ion Ratio Lower Upper
138 100
92 49.9 40.0 60.0
108 78.5 60.4 90.6

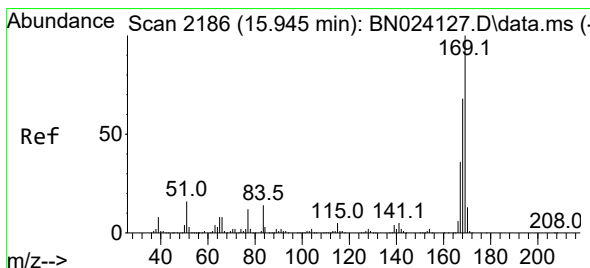
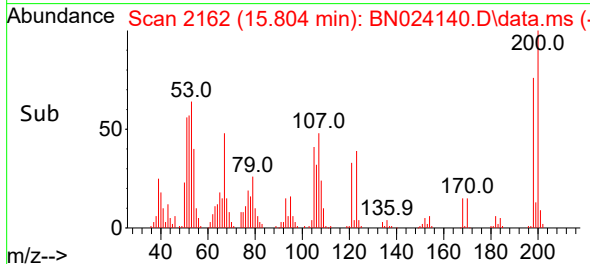
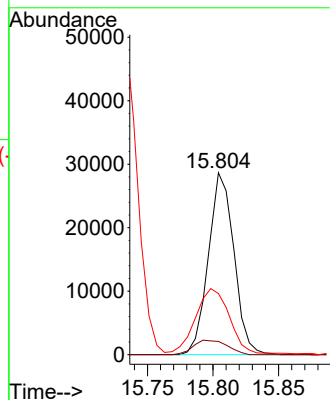
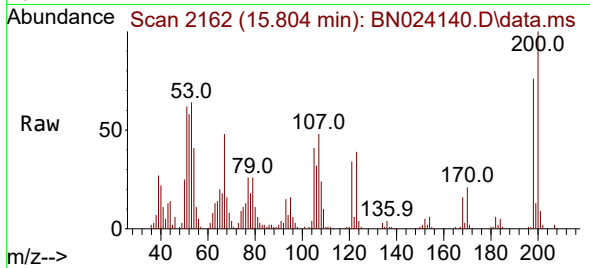




#66
4,6-Dinitro-2-methylphenol
Concen: 4.546 ng/ul
RT: 15.804 min Scan# 2162
Delta R.T. -0.006 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

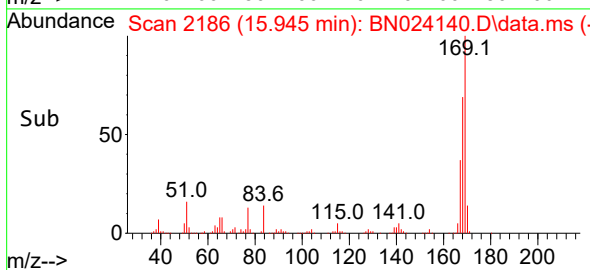
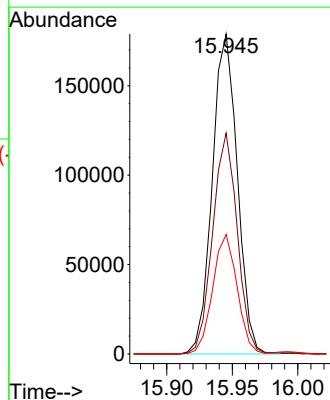
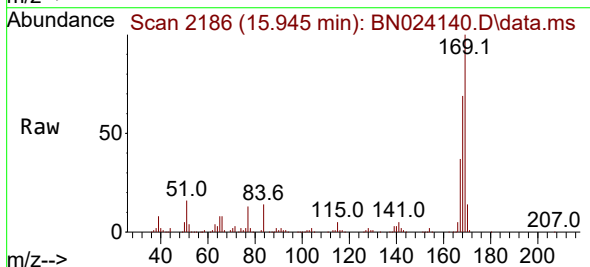
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-02

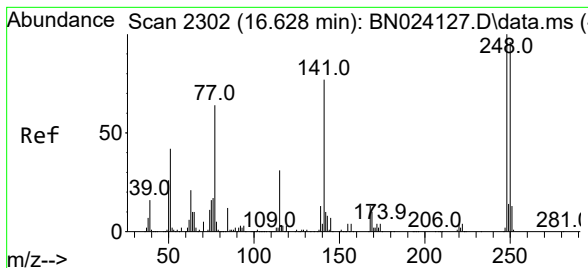
Tgt Ion:198 Resp: 38875
Ion Ratio Lower Upper
198 100
182 7.3 3.4 5.0#
77 33.6 20.4 30.6#



#67
N-Nitrosodiphenylamine
Concen: 5.122 ng/ul
RT: 15.945 min Scan# 2186
Delta R.T. -0.000 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

Tgt Ion:169 Resp: 237988
Ion Ratio Lower Upper
169 100
168 69.0 54.5 81.7
167 37.3 28.3 42.5

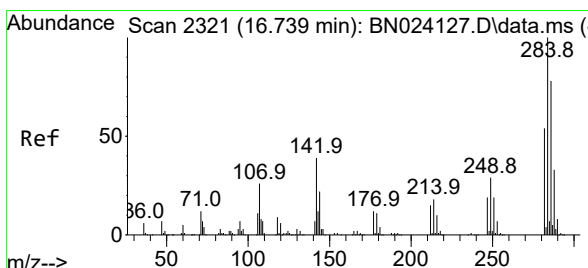
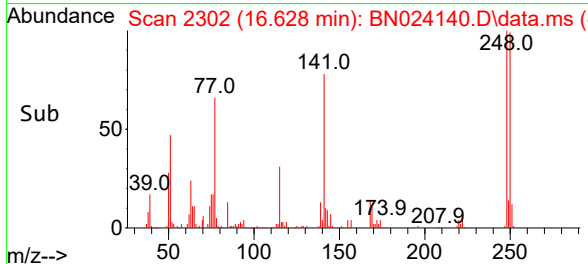
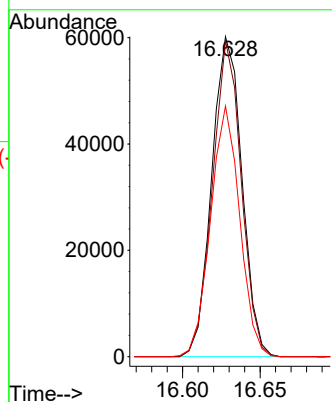
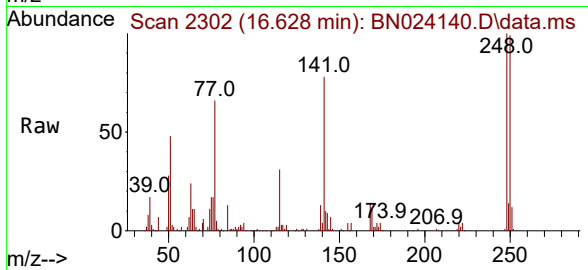




#68
4-Bromophenyl-phenylether
Concen: 5.225 ng/ul
RT: 16.628 min Scan# 21
Delta R.T. -0.000 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

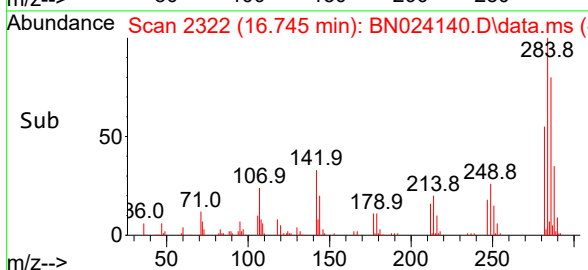
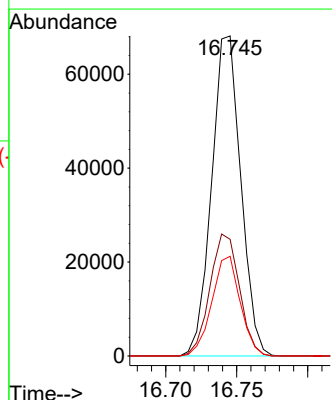
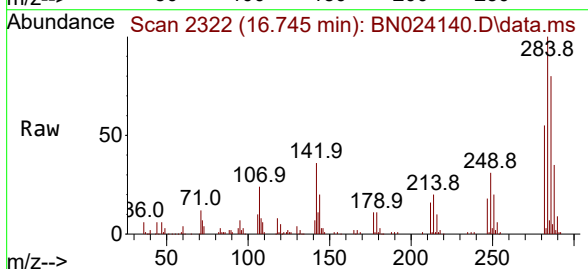
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-02

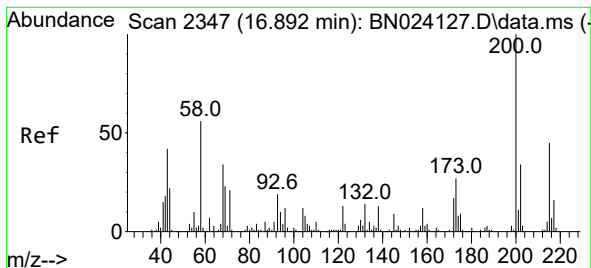
Tgt Ion:248 Resp: 81499
Ion Ratio Lower Upper
248 100
250 98.9 76.6 115.0
141 78.3 61.4 92.0



#69
Hexachlorobenzene
Concen: 5.135 ng/ul
RT: 16.745 min Scan# 2322
Delta R.T. 0.006 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

Tgt Ion:284 Resp: 97434
Ion Ratio Lower Upper
284 100
142 36.4 29.0 43.6
249 31.2 25.0 37.6





#70

Atrazine

Concen: 4.439 ng/ul

RT: 16.892 min Scan# 21

Delta R.T. -0.000 min

Lab File: BN024140.D

Acq: 07 Mar 2023 12:01

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT1-2023-02

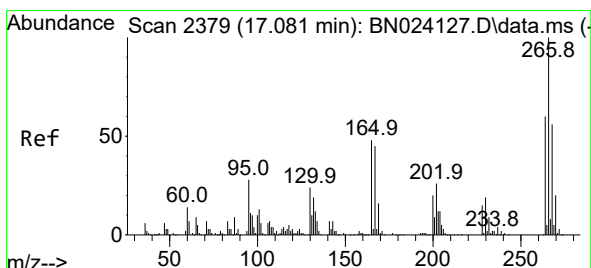
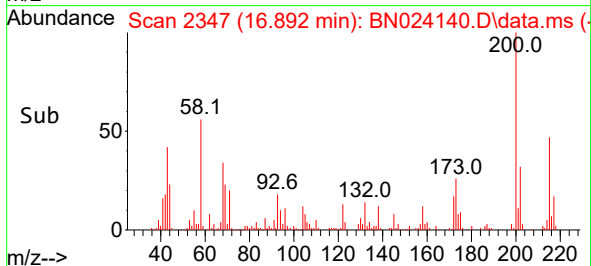
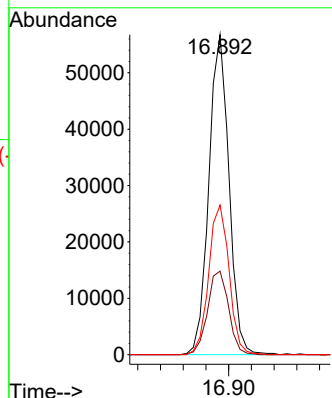
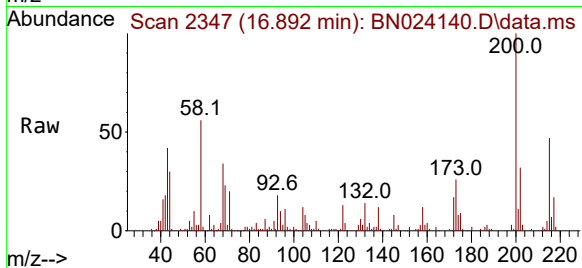
Tgt Ion:200 Resp: 69817

Ion Ratio Lower Upper

200 100

173 26.1 20.7 31.1

215 46.8 38.8 58.2



#71

Pentachlorophenol

Concen: 4.557 ng/ul

RT: 17.086 min Scan# 2380

Delta R.T. 0.006 min

Lab File: BN024140.D

Acq: 07 Mar 2023 12:01

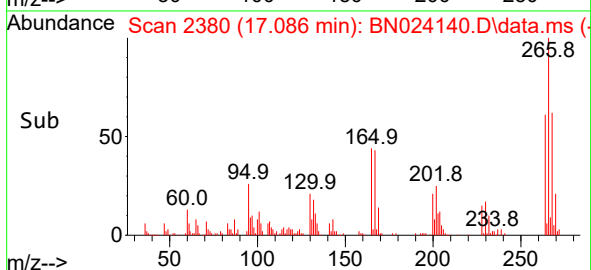
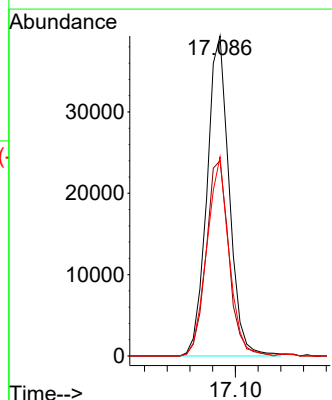
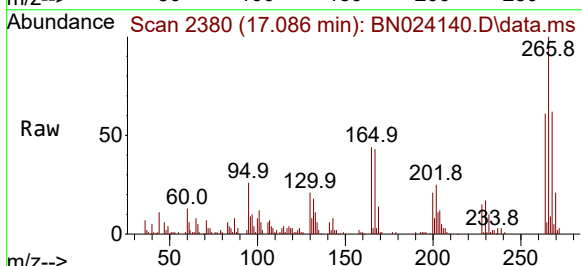
Tgt Ion:266 Resp: 53497

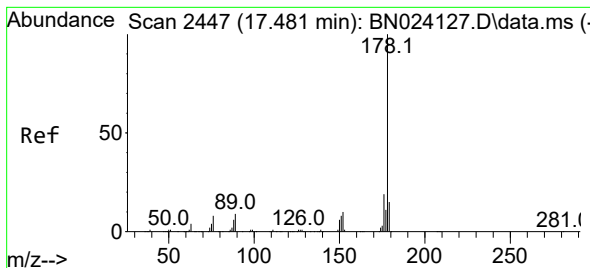
Ion Ratio Lower Upper

266 100

264 61.0 49.5 74.3

268 62.2 51.3 76.9





#72

Phenanthrene

Concen: 5.404 ng/ul

RT: 17.481 min Scan# 2447

Delta R.T. -0.000 min

Lab File: BN024140.D

Acq: 07 Mar 2023 12:01

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT1-2023-02

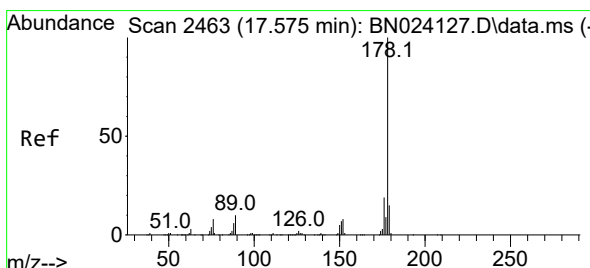
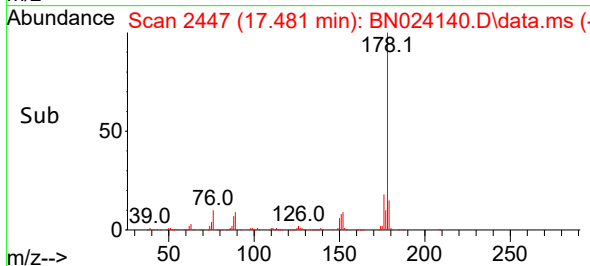
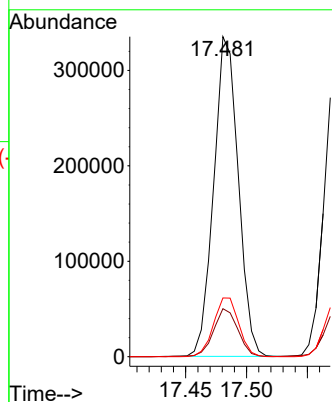
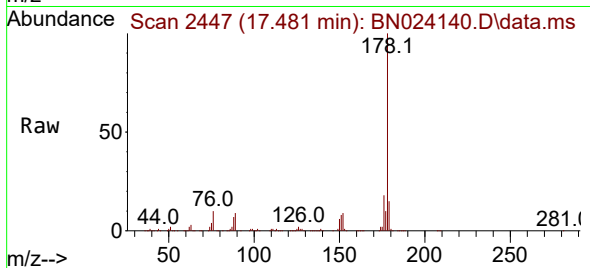
Tgt Ion:178 Resp: 469711

Ion Ratio Lower Upper

178 100

179 15.0 11.6 17.4

176 18.4 14.9 22.3



#74

Anthracene

Concen: 4.966 ng/ul

RT: 17.575 min Scan# 2463

Delta R.T. -0.000 min

Lab File: BN024140.D

Acq: 07 Mar 2023 12:01

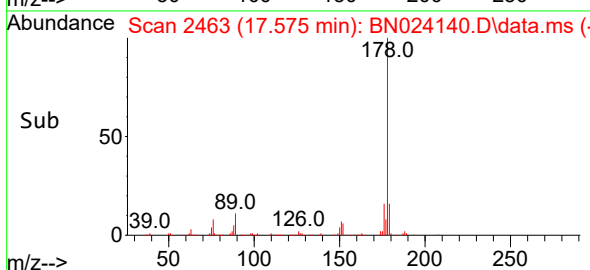
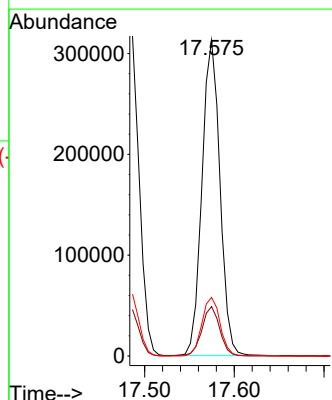
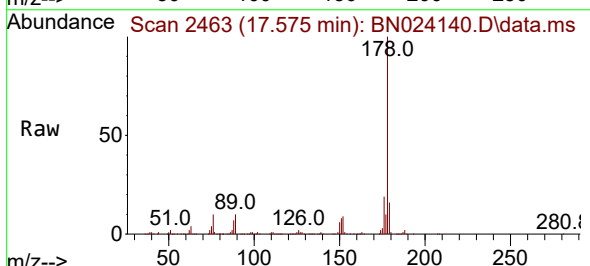
Tgt Ion:178 Resp: 435198

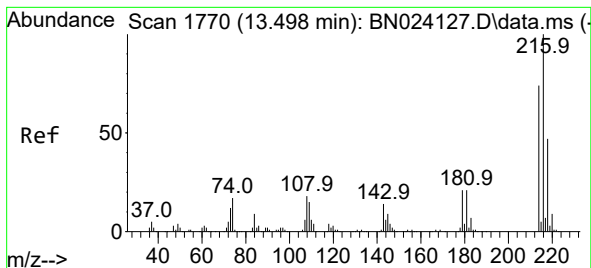
Ion Ratio Lower Upper

178 100

179 15.6 11.9 17.9

176 18.5 14.6 21.8

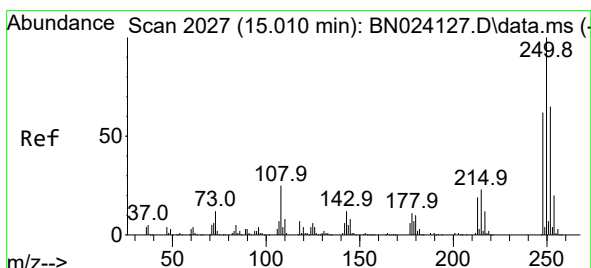
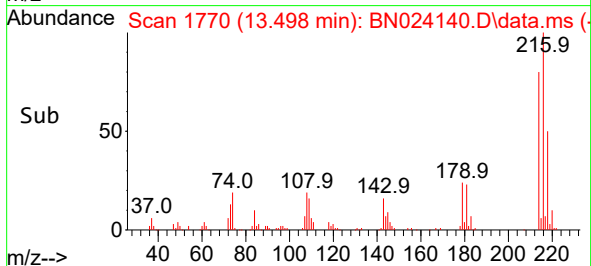
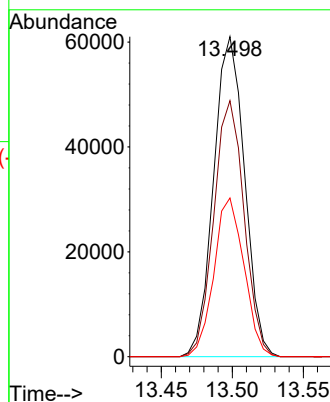
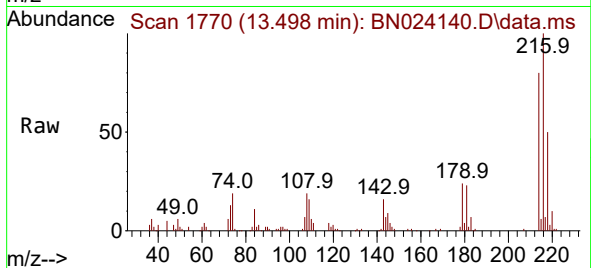




#75
1,2,3,4-Tetrachlorobenzene
Concen: 4.043 ng/uL
RT: 13.498 min Scan# 1770
Delta R.T. -0.000 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

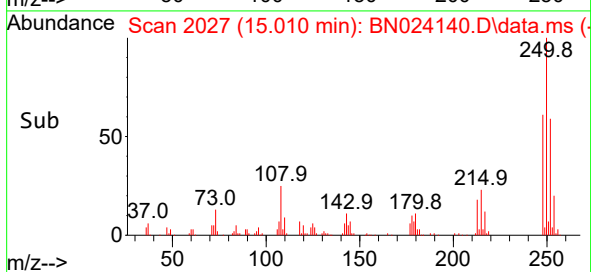
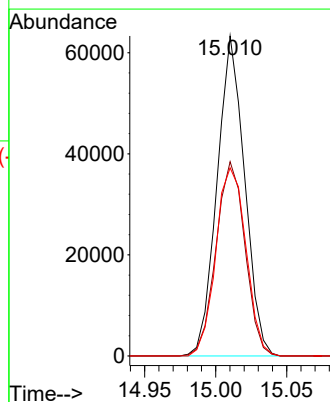
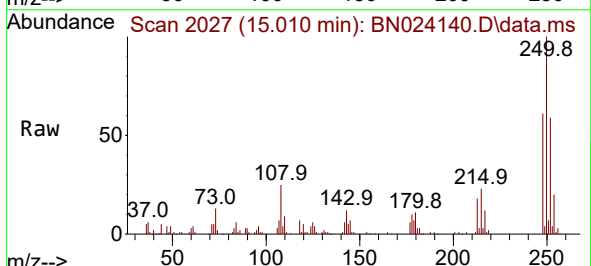
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-02

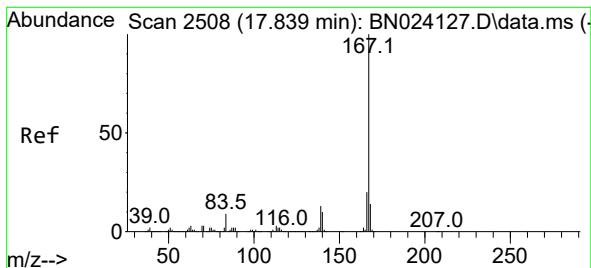
Tgt Ion:216 Resp: 92461
Ion Ratio Lower Upper
216 100
214 80.0 59.6 89.4
218 49.6 37.0 55.4



#76
Pentachlorobenzene
Concen: 3.832 ng/uL
RT: 15.010 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

Tgt Ion:250 Resp: 85387
Ion Ratio Lower Upper
250 100
248 60.7 53.0 79.4
252 58.8 54.6 81.8





#77

Carbazole

Concen: 5.115 ng/ul

RT: 17.839 min Scan# 2508

Delta R.T. -0.000 min

Lab File: BN024140.D

Acq: 07 Mar 2023 12:01

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT1-2023-02

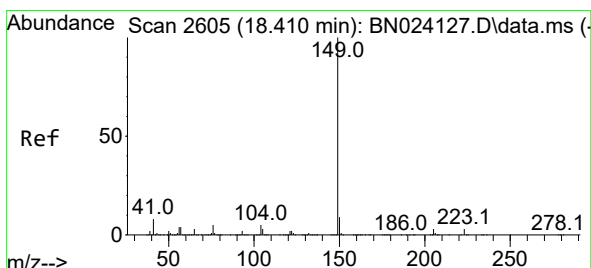
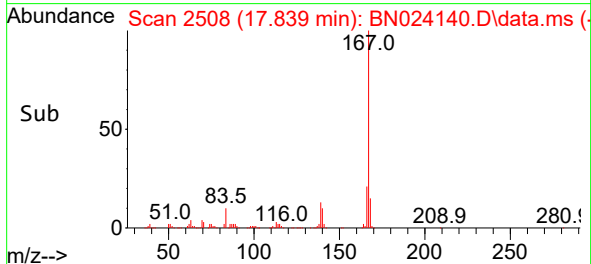
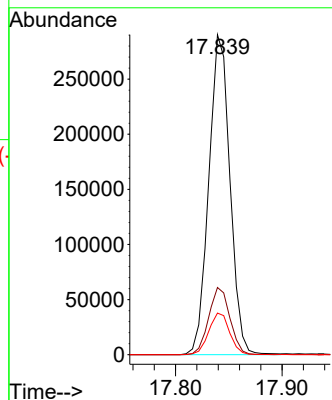
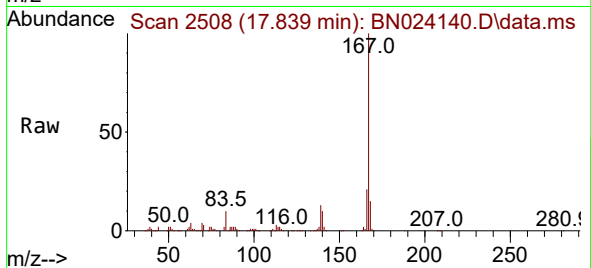
Tgt Ion:167 Resp: 401450

Ion Ratio Lower Upper

167 100

166 21.0 17.3 25.9

139 13.0 10.5 15.7



#78

Di-n-butylphthalate

Concen: 4.890 ng/ul

RT: 18.410 min Scan# 2605

Delta R.T. -0.000 min

Lab File: BN024140.D

Acq: 07 Mar 2023 12:01

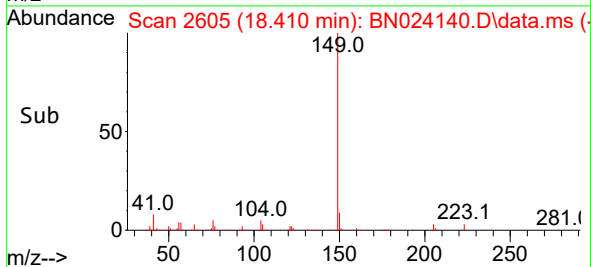
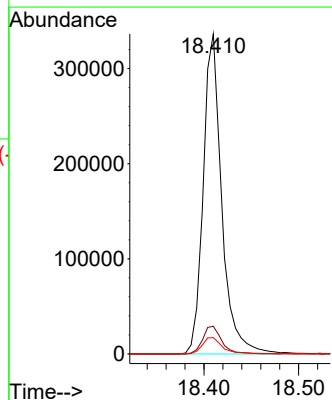
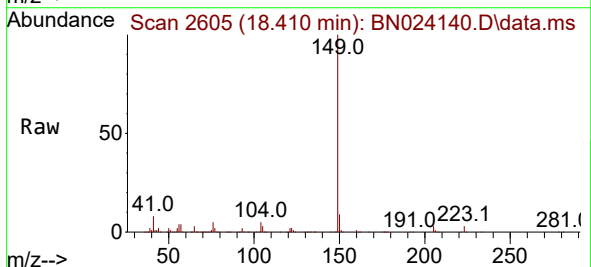
Tgt Ion:149 Resp: 456834

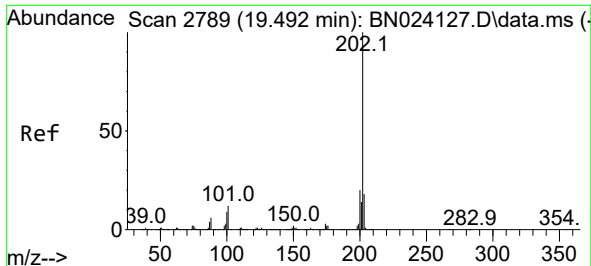
Ion Ratio Lower Upper

149 100

150 8.6 7.4 11.0

104 5.1 4.0 6.0

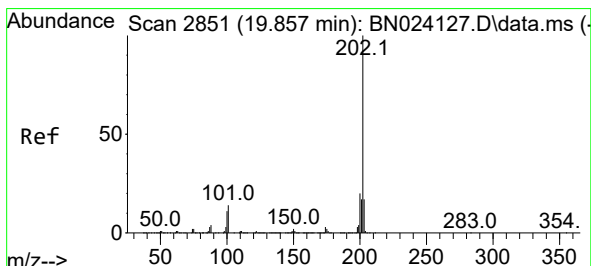
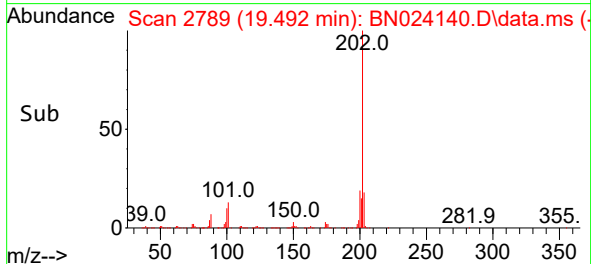
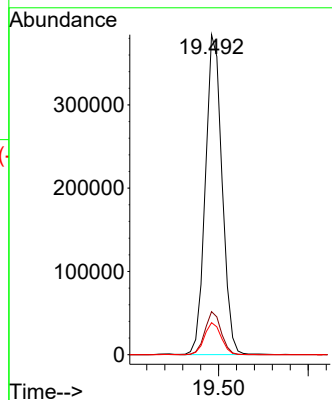
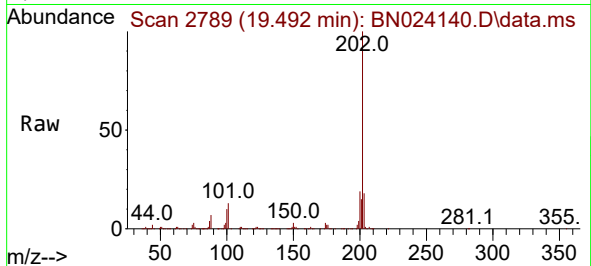




#80
Fluoranthene
Concen: 5.196 ng/ul
RT: 19.492 min Scan# 2789
Delta R.T. -0.000 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

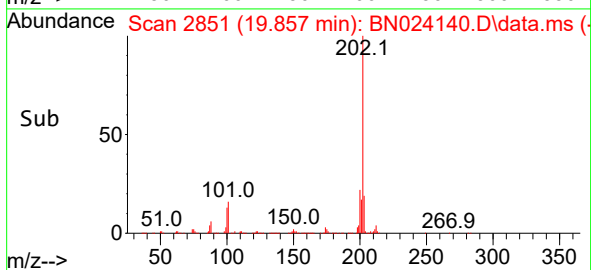
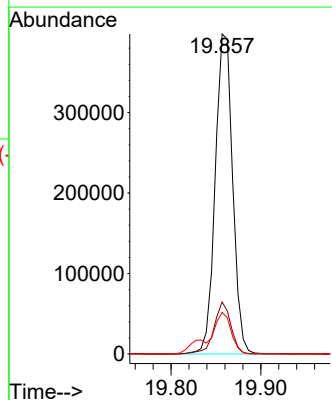
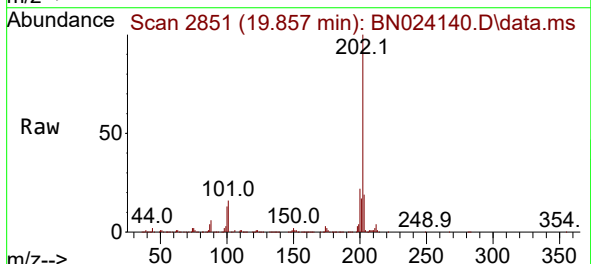
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-02

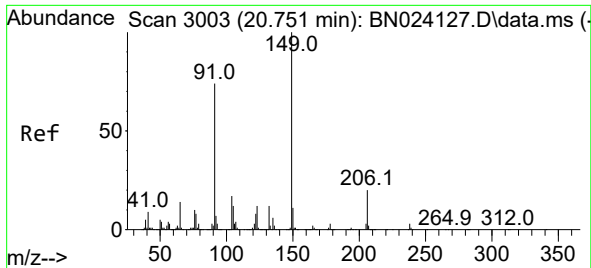
Tgt Ion:202 Resp: 495410
Ion Ratio Lower Upper
202 100
101 13.4 10.0 15.0
100 10.0 7.6 11.4



#82
Pyrene
Concen: 5.344 ng/ul
RT: 19.857 min Scan# 2851
Delta R.T. -0.000 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

Tgt Ion:202 Resp: 537525
Ion Ratio Lower Upper
202 100
101 16.2 11.9 17.9
100 13.0 9.9 14.9

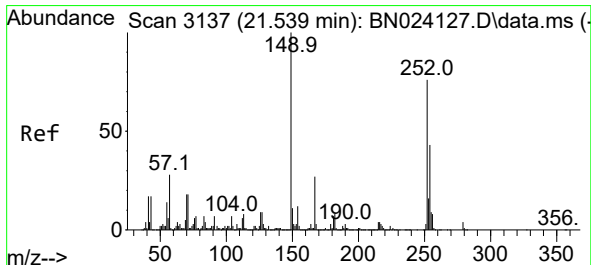
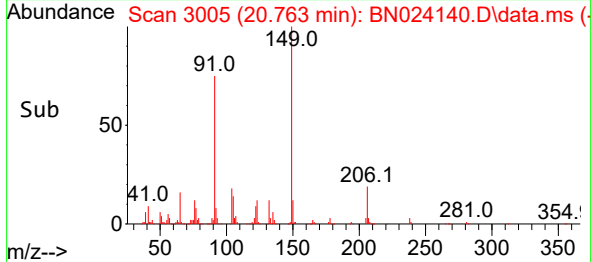
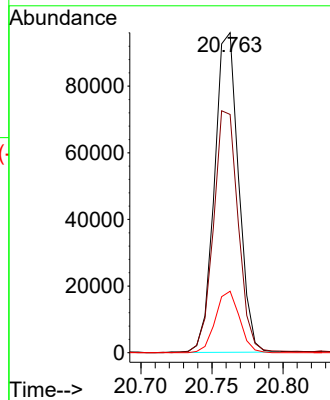
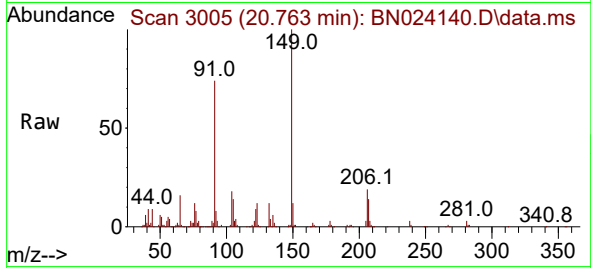




#83
Butylbenzylphthalate
Concen: 4.411 ng/ul
RT: 20.763 min Scan# 3005
Delta R.T. 0.012 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

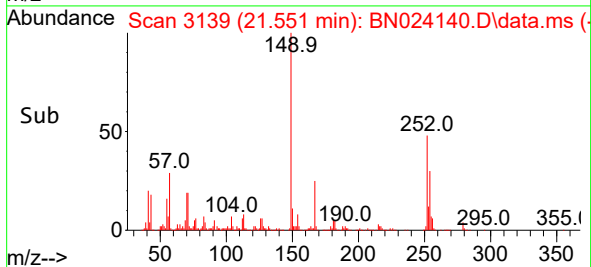
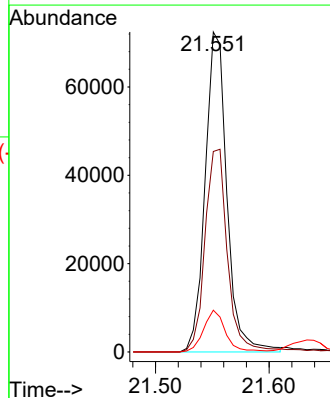
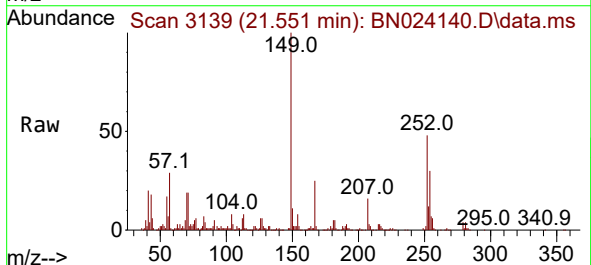
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-02

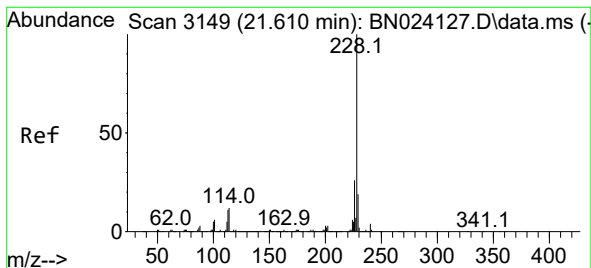
Tgt Ion:149 Resp: 112995
Ion Ratio Lower Upper
149 100
91 74.5 62.2 93.2
206 19.2 16.4 24.6



#84
3,3'-Dichlorobenzidine
Concen: 3.574 ng/ul
RT: 21.551 min Scan# 3139
Delta R.T. 0.012 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

Tgt Ion:252 Resp: 96665
Ion Ratio Lower Upper
252 100
254 62.7 54.6 81.8
126 13.0 11.0 16.6





#85

Benzo(a)anthracene

Concen: 5.163 ng/ul

RT: 21.622 min Scan# 3151

Delta R.T. 0.012 min

Lab File: BN024140.D

Acq: 07 Mar 2023 12:01

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT1-2023-02

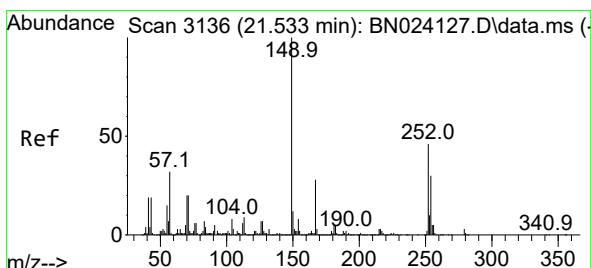
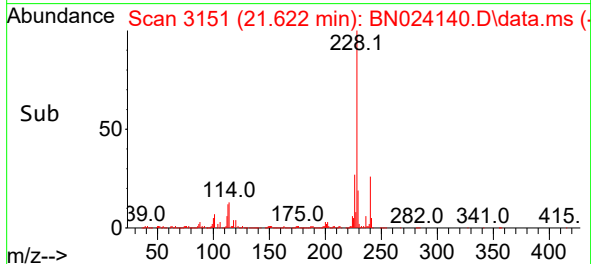
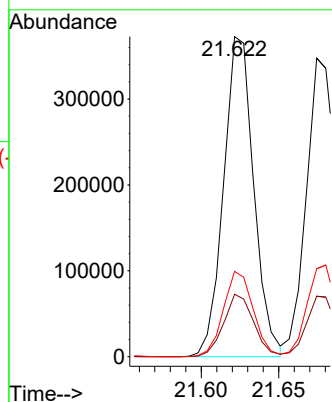
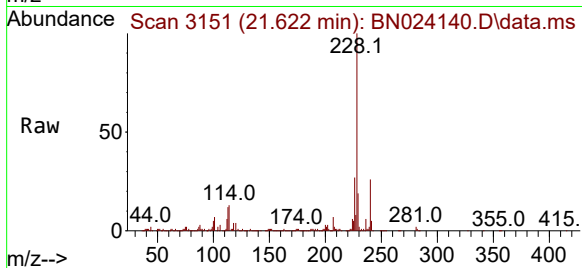
Tgt Ion:228 Resp: 504942

Ion Ratio Lower Upper

228 100

229 19.5 16.3 24.5

226 26.7 22.6 34.0



#86

Bis(2-ethylhexyl)phthalate

Concen: 4.517 ng/ul

RT: 21.551 min Scan# 3139

Delta R.T. 0.018 min

Lab File: BN024140.D

Acq: 07 Mar 2023 12:01

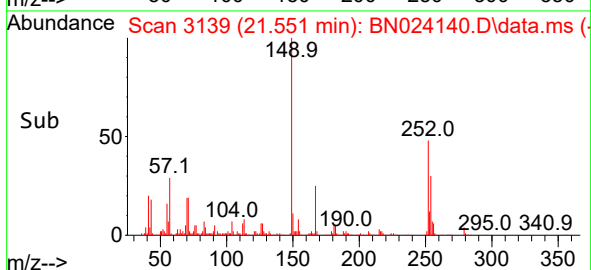
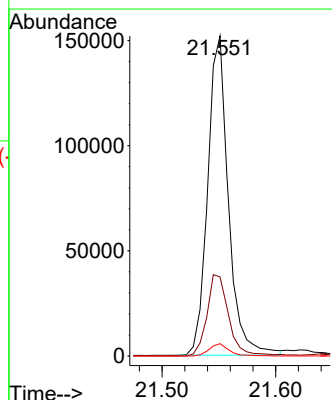
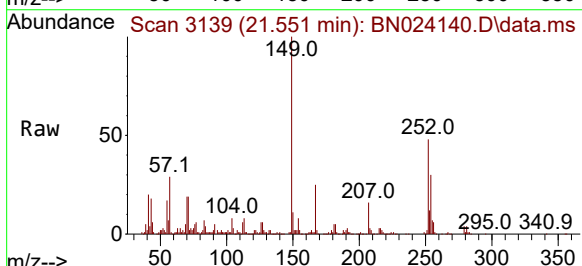
Tgt Ion:149 Resp: 192016

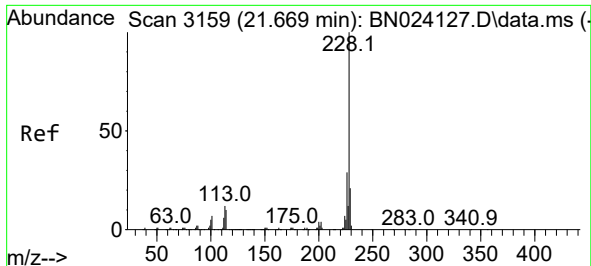
Ion Ratio Lower Upper

149 100

167 24.7 21.6 32.4

279 3.8 3.4 5.2

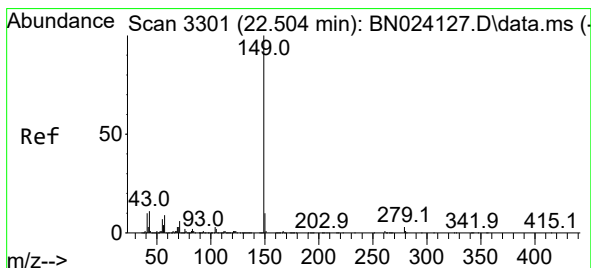
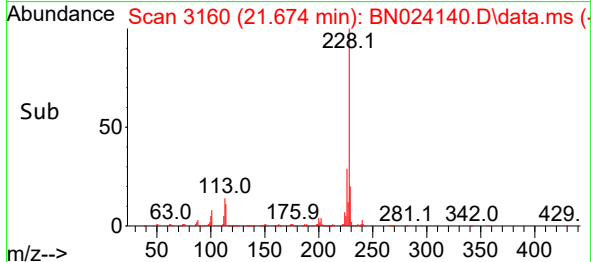
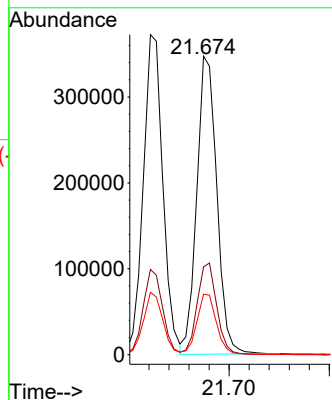
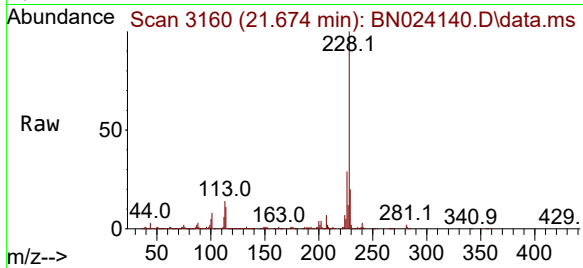




#87
Chrysene
Concen: 5.158 ng/ul
RT: 21.674 min Scan# 3159
Delta R.T. 0.006 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

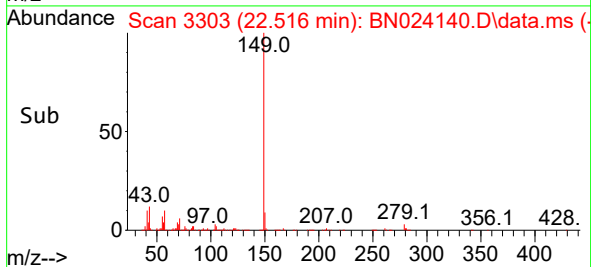
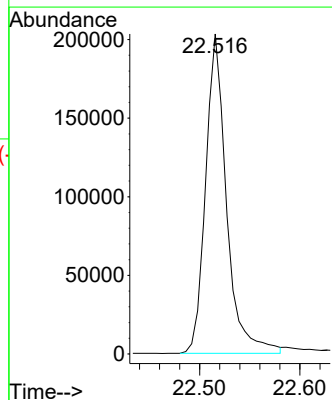
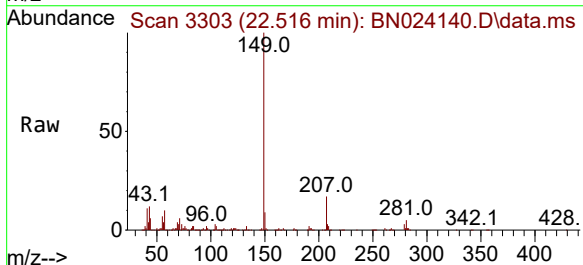
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-02

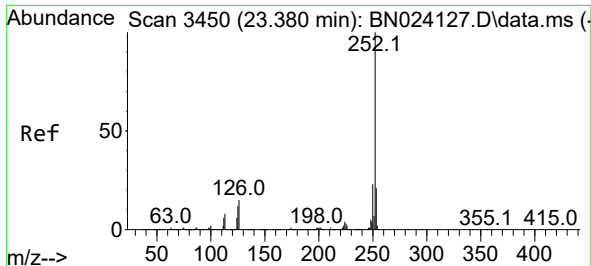
Tgt Ion:228 Resp: 482867
Ion Ratio Lower Upper
228 100
226 29.5 25.8 38.6
229 20.3 17.5 26.3



#89
Di-n-octyl phthalate
Concen: 3.825 ng/ul
RT: 22.516 min Scan# 3303
Delta R.T. 0.012 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

Tgt Ion:149 Resp: 295156

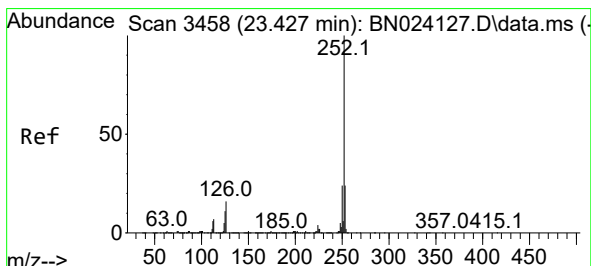
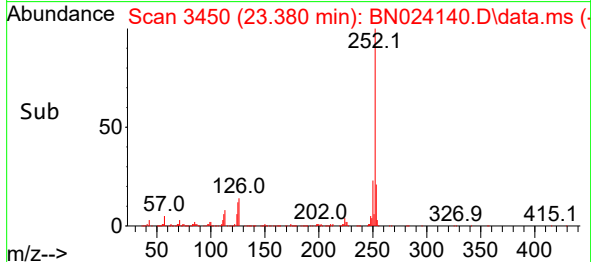
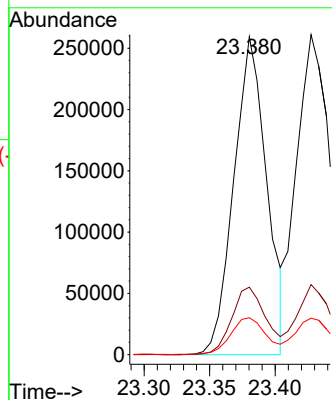
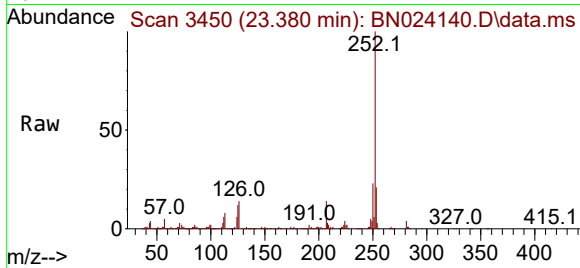




#90
Benzo(b)fluoranthene
Concen: 4.976 ng/ul
RT: 23.380 min Scan# 3450
Delta R.T. -0.000 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

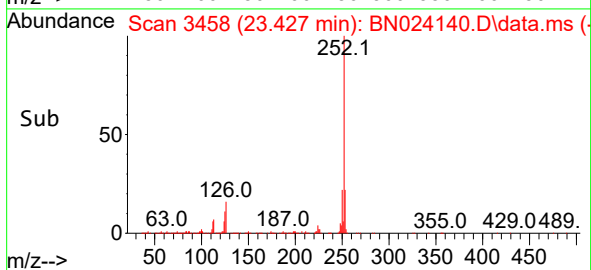
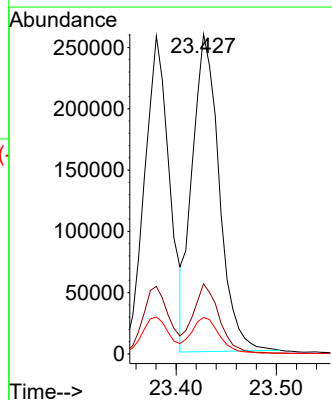
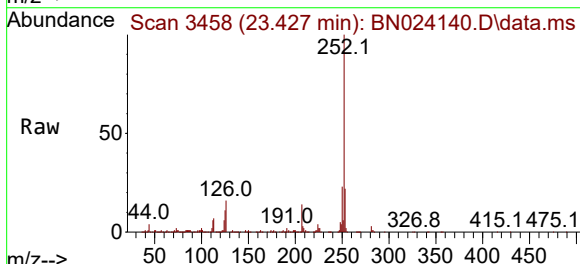
Instrument :
BNA_N
ClientSampleId :
MDL-SOIL-QT1-2023-02

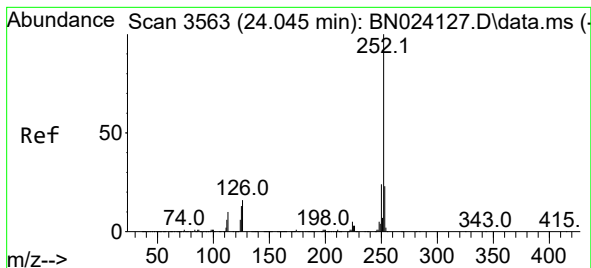
Tgt Ion:252 Resp: 452096
Ion Ratio Lower Upper
252 100
253 21.2 18.3 27.5
125 11.6 9.5 14.3



#91
Benzo(k)fluoranthene
Concen: 5.385 ng/ul
RT: 23.427 min Scan# 3458
Delta R.T. -0.000 min
Lab File: BN024140.D
Acq: 07 Mar 2023 12:01

Tgt Ion:252 Resp: 483887
Ion Ratio Lower Upper
252 100
253 21.9 17.4 26.0
125 11.4 9.0 13.6





#93

Benzo(a)pyrene

Concen: 5.349 ng/ul

RT: 24.039 min Scan# 3

Delta R.T. -0.006 min

Lab File: BN024140.D

Acq: 07 Mar 2023 12:01

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT1-2023-02

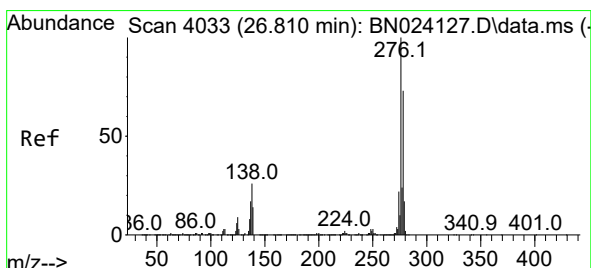
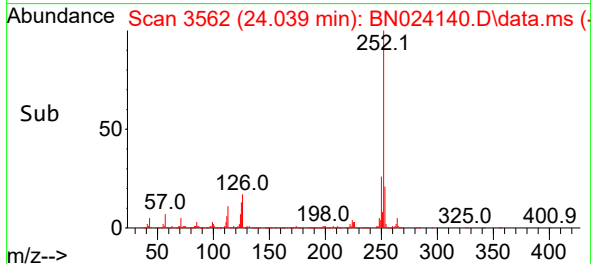
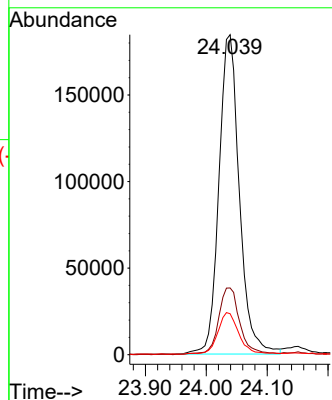
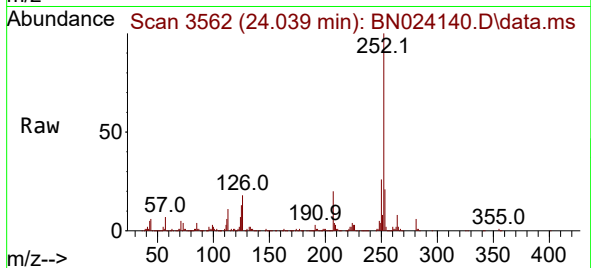
Tgt Ion:252 Resp: 430392

Ion Ratio Lower Upper

252 100

253 20.8 17.0 25.4

125 12.8 9.5 14.3



#94

Indeno(1,2,3-cd)pyrene

Concen: 4.069 ng/ul

RT: 26.774 min Scan# 4027

Delta R.T. -0.035 min

Lab File: BN024140.D

Acq: 07 Mar 2023 12:01

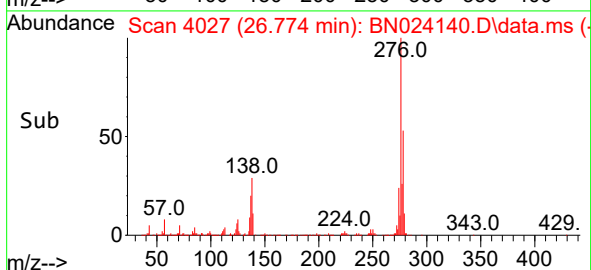
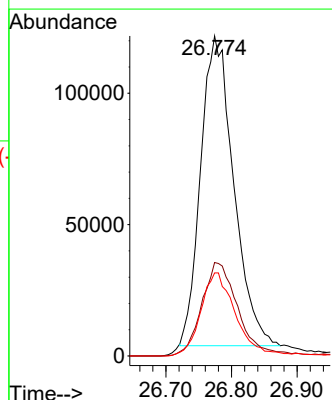
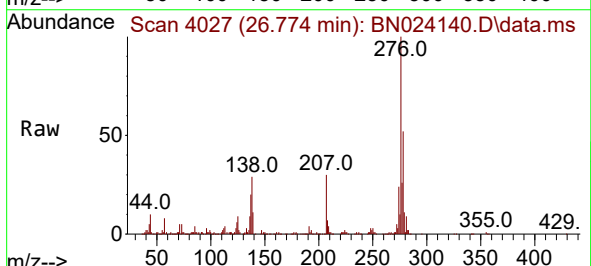
Tgt Ion:276 Resp: 412242

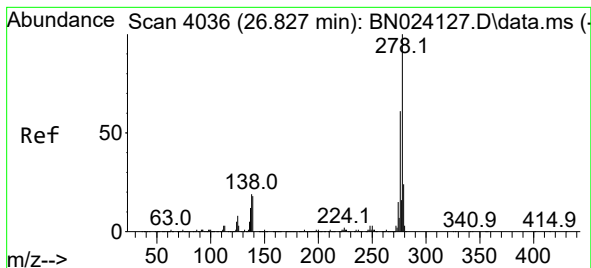
Ion Ratio Lower Upper

276 100

138 29.2 19.6 29.4

277 26.0 19.7 29.5





#95

Dibenzo(a,h)anthracene

Concen: 4.322 ng/ul

RT: 26.792 min Scan# 4036

Delta R.T. -0.035 min

Lab File: BN024140.D

Acq: 07 Mar 2023 12:01

Instrument :

BNA_N

ClientSampleId :

MDL-SOIL-QT1-2023-02

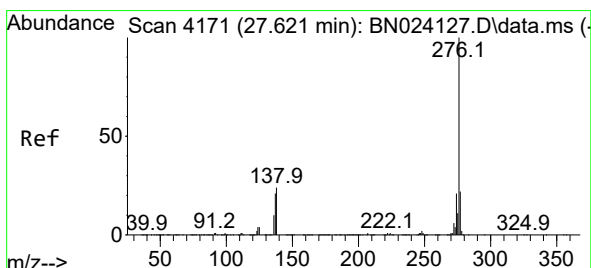
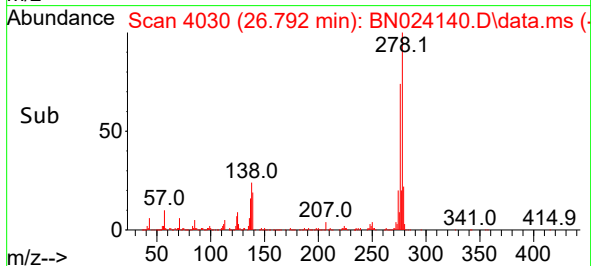
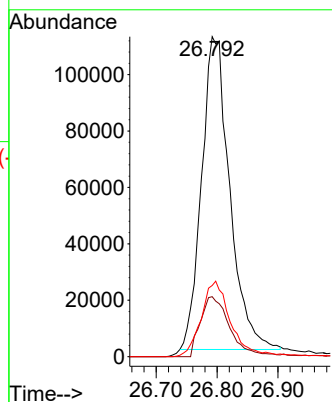
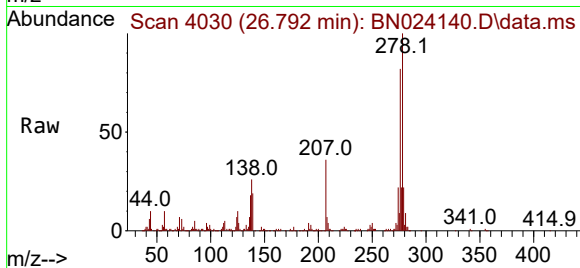
Tgt Ion:278 Resp: 356573

Ion Ratio Lower Upper

278 100

139 18.8 14.4 21.6

279 22.2 18.2 27.2



#96

Benzo(g,h,i)perylene

Concen: 4.197 ng/ul

RT: 27.580 min Scan# 4164

Delta R.T. -0.041 min

Lab File: BN024140.D

Acq: 07 Mar 2023 12:01

Tgt Ion:276 Resp: 350869

Ion Ratio Lower Upper

276 100

138 25.3 18.8 28.2

277 23.8 18.6 27.8

