

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101323\
 Data File : BM042284.D
 Acq On : 13 Oct 2023 14:20
 Operator : MA/JU
 Sample : 02215-03
 Misc : SFAM-MDL-SOIL-01
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT2-2023-03

Quant Time: Oct 13 15:01:43 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\SFAM-EPA-BM101223.MA.M
 Quant Title : SVOA CALIBRATION
 QLast Update : Thu Oct 12 15:38:21 2023
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/16/2023
 Supervised By :mohammad ahmed 10/17/2023

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.010	152	113252	20.000	ng/u1	0.00
20) Naphthalene-d8	10.834	136	516811	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.657	164	328387	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.410	188	715264	20.000	ng/u1	0.00
79) Chrysene-d12	21.592	240	672689	20.000	ng/u1	0.00
88) Perylene-d12	24.074	264	740652	20.000	ng/u1	0.00
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.364	96	23129	6.381	ng/uL	0.00
4) Pyridine-d5	3.799	84	304062	28.325	ng/u1	0.00
7) Phenol-d5	7.152	99	335927	26.765	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.346	67	233024	27.477	ng/u1	0.00
11) 2-Chlorophenol-d4	7.528	132	240434	27.847	ng/u1	0.00
15) 4-Methylphenol-d8	8.710	113	265020	26.662	ng/u1	0.00
21) Nitrobenzene-d5	9.204	128	126427	28.804	ng/u1	0.00
24) 2-Nitrophenol-d4	9.922	143	136922	29.182	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.440	165	237337	27.718	ng/u1	0.00
31) 4-Chloroaniline-d4	10.992	131	370331	27.469	ng/u1	0.00
46) Dimethylphthalate-d6	14.069	166	806721	28.339	ng/u1	0.00
49) Acenaphthylene-d8	14.357	160	907353	29.123	ng/u1	0.00
54) 4-Nitrophenol-d4	14.869	143	153675	26.840	ng/u1	0.00
60) Fluorene-d10	15.645	176	687383	29.374	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.774	200	114242	22.800	ng/u1	0.00
73) Anthracene-d10	17.504	188	1062819	29.007	ng/u1	0.00
81) Pyrene-d10	19.798	212	1219599	29.747	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.909	264	1225126	30.136	ng/u1	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.405	88	4265	1.074	ng/uL	94
5) Pyridine	3.822	79	48951	4.405	ng/u1#	70
6) Benzaldehyde	7.163	77	39210	6.111	ng/u1	98
8) Phenol	7.181	94	53353	4.209	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.440	93	48201	4.579	ng/u1	100
12) 2-Chlorophenol	7.557	128	39855	4.419	ng/u1	97
13) 2-Methylphenol	8.446	108	35977	3.803	ng/u1	99
14) 2,2'-oxybis(1-Chloropr...	8.516	45	80472m	4.484	ng/u1	
16) Acetophenone	8.857	105	69028	4.473	ng/u1	97
17) N-Nitroso-di-n-propyla...	8.822	70	37723	4.130	ng/u1	96
18) 4-Methylphenol	8.775	108	42139	4.042	ng/u1	97
19) Hexachloroethane	9.075	117	16323	4.290	ng/u1	95
22) Nitrobenzene	9.245	77	56091	4.518	ng/u1	97
23) Isophorone	9.757	82	96236	3.998	ng/u1	99
25) 2-Nitrophenol	9.951	139	22596	4.401	ng/u1	96
26) 2,4-Dimethylphenol	9.987	107	47016	4.309	ng/u1	99
27) Bis(2-Chloroethoxy)met...	10.245	93	68025	4.520	ng/u1	98
29) 2,4-Dichlorophenol	10.469	162	38166	4.564	ng/u1	96
30) Naphthalene	10.881	128	143671	4.742	ng/u1	99
32) 4-Chloroaniline	11.016	127	59444	4.562	ng/u1	97
33) Hexachlorobutadiene	11.110	225	22941	4.752	ng/u1	96
34) Caprolactam	11.845	113	18778	6.150	ng/u1	95
35) 4-Chloro-3-methylphenol	12.110	107	40526	3.934	ng/u1	97
36) 2-Methylnaphthalene	12.486	142	95228	4.592	ng/u1	99

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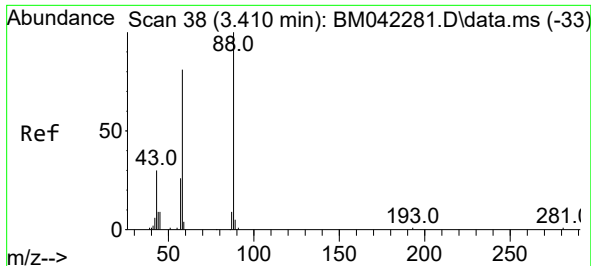
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Manual Integrations
 APPROVED

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.704	142	99539	4.749	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.833	216	47432	4.587	ng/ul	96
40) Hexachlorocyclopentadiene	12.781	237	43670	6.526	ng/ul	98
41) 2,4,6-Trichlorophenol	13.086	196	26652	3.855	ng/ul	96
42) 2,4,5-Trichlorophenol	13.157	196	29153	3.928	ng/ul	96
43) 1,1'-Biphenyl	13.492	154	131805	4.683	ng/ul	97
44) 2-Chloronaphthalene	13.539	162	99080	4.593	ng/ul	99
45) 2-Nitroaniline	13.775	65	26296	3.390	ng/ul	93
47) Dimethylphthalate	14.116	163	129231	4.562	ng/ul	99
48) 2,6-Dinitrotoluene	14.263	165	17987	3.508	ng/ul#	95
50) Acenaphthylene	14.386	152	168293	4.677	ng/ul	99
51) 3-Nitroaniline	14.598	138	20895	3.457	ng/ul	96
52) Acenaphthene	14.722	153	112130	4.639	ng/ul	99
53) 2,4-Dinitrophenol	14.798	184	25918	7.467	ng/ul	93
55) 4-Nitrophenol	14.880	109	18968	4.084	ng/ul	88
56) Dibenzofuran	15.051	168	154677	4.764	ng/ul	99
57) 2,4-Dinitrotoluene	15.039	165	29134	3.853	ng/ul#	96
58) 2,3,4,6-Tetrachlorophenol	15.269	232	25708	4.127	ng/ul#	94
59) Diethylphthalate	15.463	149	126567	4.377	ng/ul	98
61) Fluorene	15.704	166	127244	4.725	ng/ul	98
62) 4-Chlorophenyl-phenyle...	15.692	204	61046	4.694	ng/ul	99
63) 4-Nitroaniline	15.763	138	23559	4.358	ng/ul#	54
66) 4,6-Dinitro-2-methylph...	15.786	198	21231	4.052	ng/ul#	89
67) N-Nitrosodiphenylamine	15.916	169	101493	4.460	ng/ul	99
68) 4-Bromophenyl-phenylether	16.592	248	33158	4.310	ng/ul	94
69) Hexachlorobenzene	16.674	284	40245	4.601	ng/ul	93
70) Atrazine	16.857	200	29278	3.750	ng/ul	99
71) Pentachlorophenol	17.033	266	35271	5.951	ng/ul	97
72) Phenanthrene	17.451	178	203040	4.628	ng/ul	99
74) Anthracene	17.539	178	201048	4.556	ng/ul	99
75) 1,2,3,4-Tetrachloroben...	13.445	216	45491	4.293	ng/uL	97
76) Pentachlorobenzene	14.945	250	49670	4.773	ng/uL	96
77) Carbazole	17.827	167	170293	4.236	ng/ul	98
78) Di-n-butylphthalate	18.345	149	192988	3.793	ng/ul	99
80) Fluoranthene	19.462	202	214457	4.417	ng/ul	99
82) Pyrene	19.827	202	241058	4.723	ng/ul	96
83) Butylbenzylphthalate	20.709	149	75957	3.491	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.515	252	55966	3.483	ng/ul#	97
85) Benzo(a)anthracene	21.574	228	222274	4.356	ng/ul	100
86) Bis(2-ethylhexyl)phtha...	21.456	149	113962	3.545	ng/ul	99
87) Chrysene	21.633	228	215828	4.599	ng/ul	98
89) Di-n-octyl phthalate	22.403	149	195570	3.269	ng/ul	100
90) Benzo(b)fluoranthene	23.303	252	215652	4.285	ng/ul	99
91) Benzo(k)fluoranthene	23.350	252	211756	4.254	ng/ul	99
93) Benzo(a)pyrene	23.956	252	211826	4.498	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.662	276	236421	4.133	ng/ul	97
95) Dibenzo(a,h)anthracene	26.680	278	197112	4.154	ng/ul	99
96) Benzo(g,h,i)perylene	27.474	276	190220	4.251	ng/ul	98

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



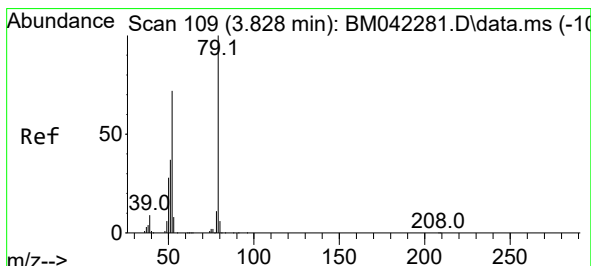
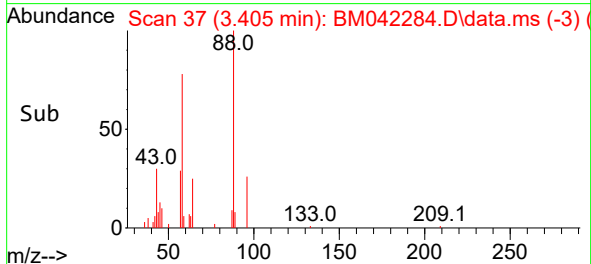
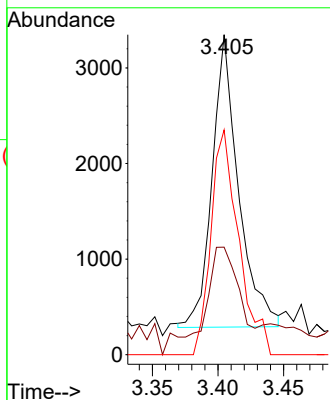
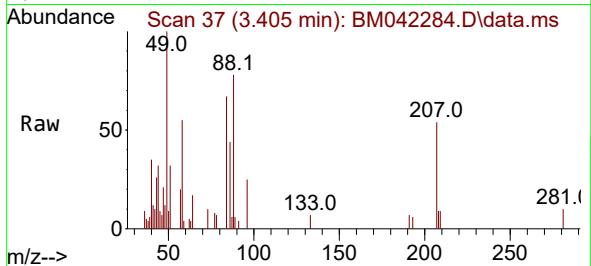
#2
1,4-Dioxane
Concen: 1.074 ng/uL
RT: 3.405 min Scan# 31
Delta R.T. 0.000 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-03

Tgt Ion: 88 Resp: 4268
Ion Ratio Lower Upper
88 100
43 33.6 27.5 41.3
58 70.3 61.8 92.8

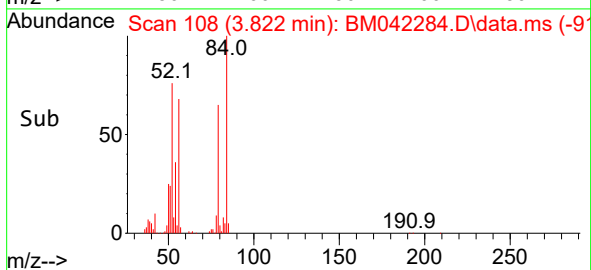
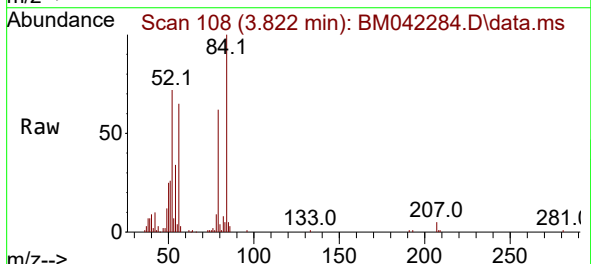
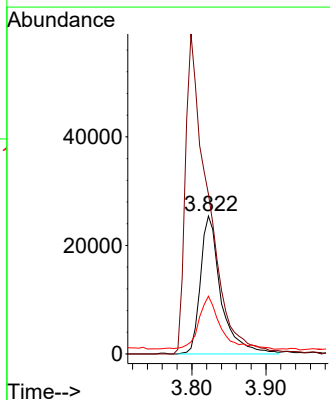
Manual Integrations
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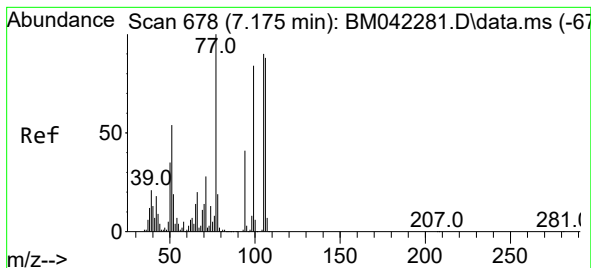
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#5
Pyridine
Concen: 4.405 ng/uL
RT: 3.822 min Scan# 108
Delta R.T. 0.000 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

Tgt Ion: 79 Resp: 48951
Ion Ratio Lower Upper
79 100
52 115.8 63.8 95.6#
51 41.9 30.2 45.2





#6

Benzaldehyde

Concen: 6.111 ng/ul

RT: 7.163 min Scan# 61

Delta R.T. -0.006 min

Lab File: BM042284.D

Acq: 13 Oct 2023 14:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT2-2023-03

Tgt Ion: 77 Resp: 39210

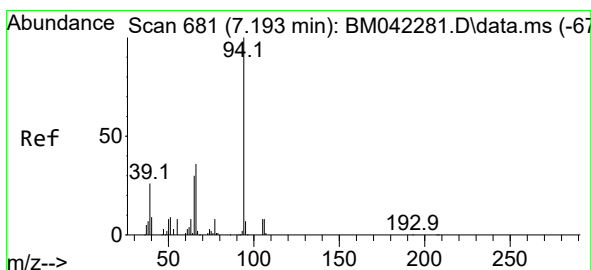
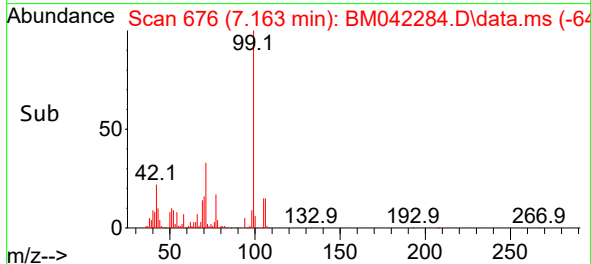
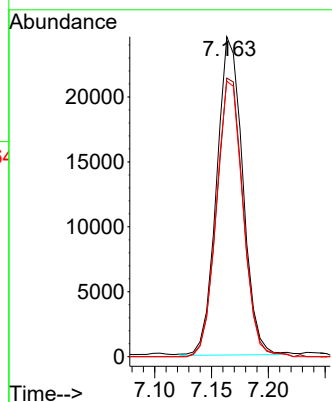
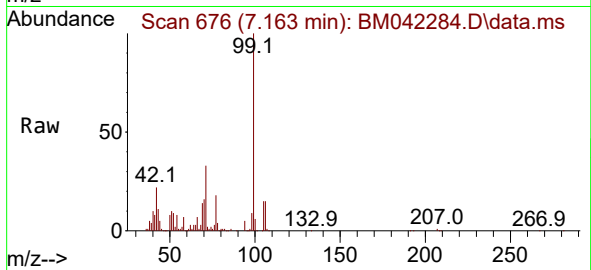
Ion	Ratio	Lower	Upper
77	100		
105	87.0	70.6	105.8
106	86.1	71.6	107.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/16/2023

Supervised By :mohammad ahmed 10/17/2023



#8

Phenol

Concen: 4.209 ng/ul

RT: 7.181 min Scan# 679

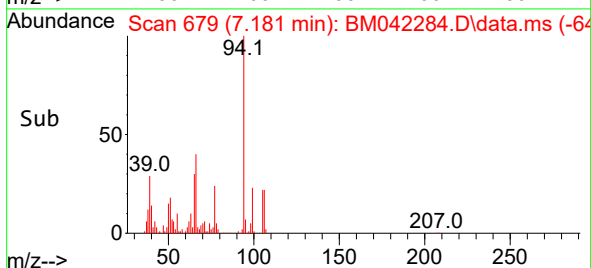
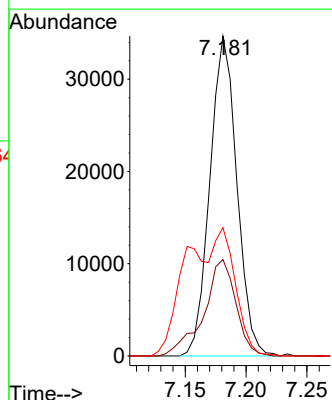
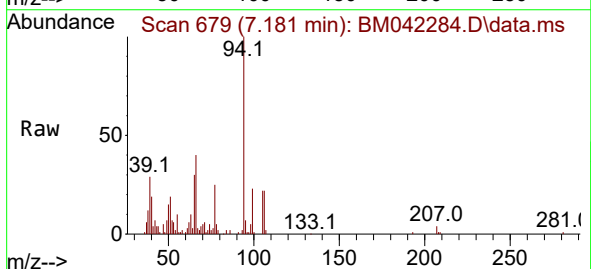
Delta R.T. -0.006 min

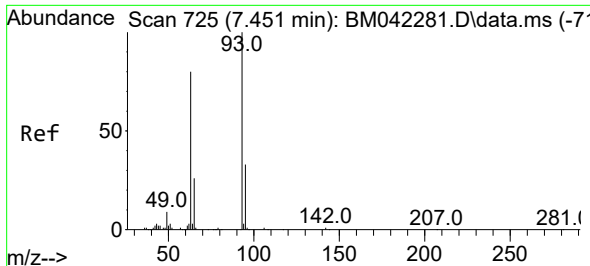
Lab File: BM042284.D

Acq: 13 Oct 2023 14:20

Tgt Ion: 94 Resp: 53353

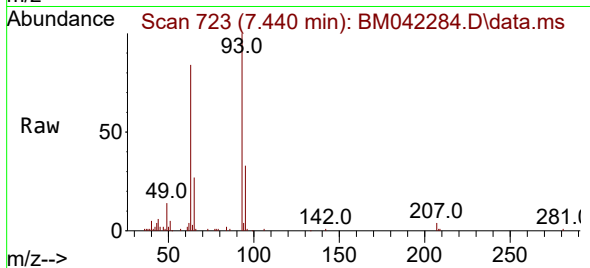
Ion	Ratio	Lower	Upper
94	100		
65	30.2	24.1	36.1
66	40.1	30.7	46.1





#10
Bis(2-Chloroethyl)ether
Concen: 4.579 ng/ul
RT: 7.440 min Scan# 723
Delta R.T. -0.006 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

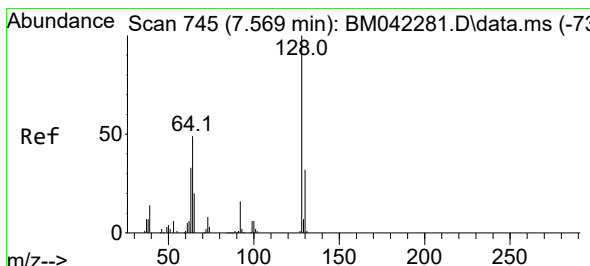
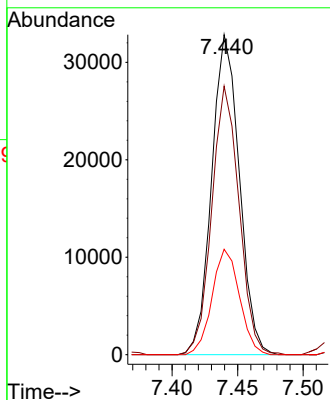
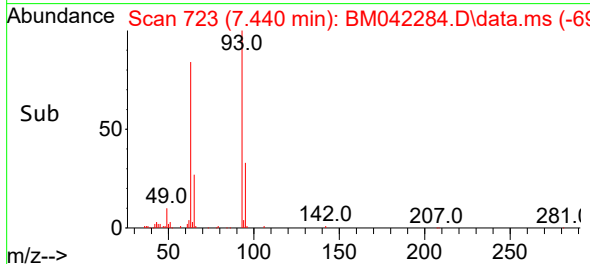
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-03



Tgt Ion: 93 Resp: 4820
Ion Ratio Lower Upper
93 100
63 83.9 67.3 100.9
95 33.0 26.7 40.1

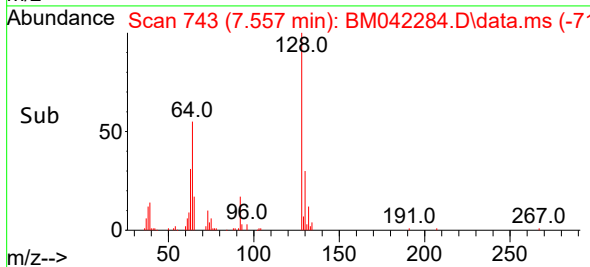
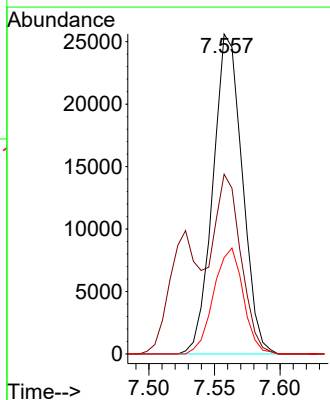
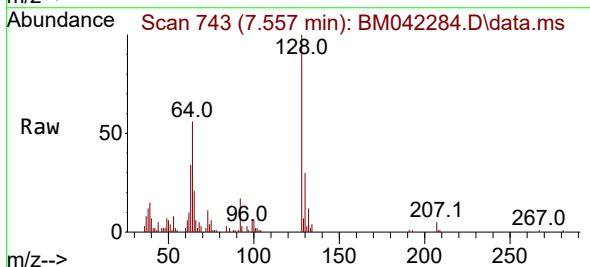
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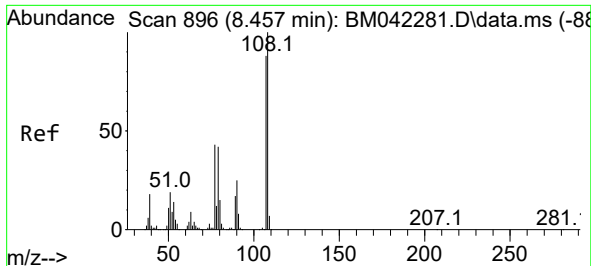
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#12
2-Chlorophenol
Concen: 4.419 ng/ul
RT: 7.557 min Scan# 743
Delta R.T. -0.006 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

Tgt Ion:128 Resp: 39855
Ion Ratio Lower Upper
128 100
64 56.2 43.8 65.6
130 30.1 25.9 38.9





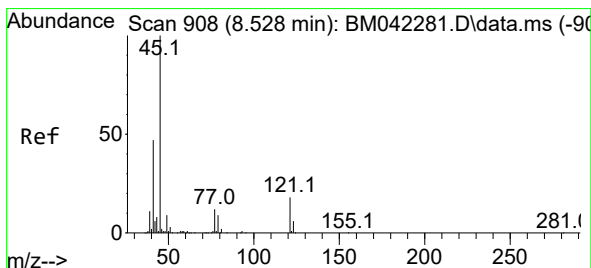
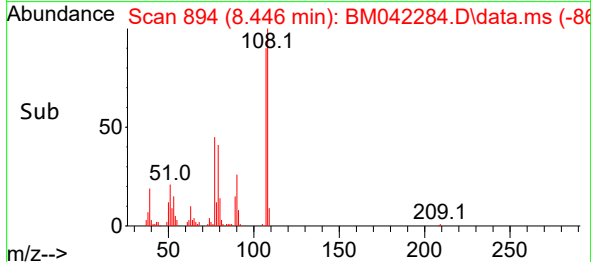
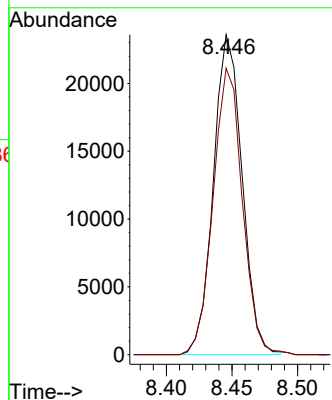
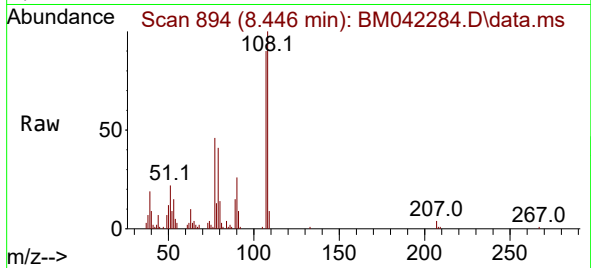
#13
2-Methylphenol
Concen: 3.803 ng/ul
RT: 8.446 min Scan# 896
Delta R.T. -0.006 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

Instrument :
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MDL-SOIL-QT2-2023-03

Tgt Ion:108 Resp: 3597
Ion Ratio Lower Upper
108 100
107 89.5 70.6 106.0

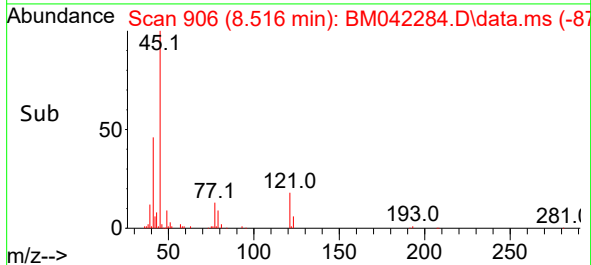
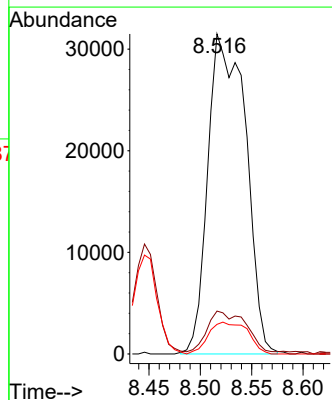
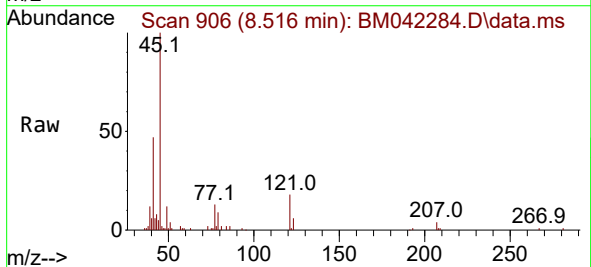
Manual Integrations
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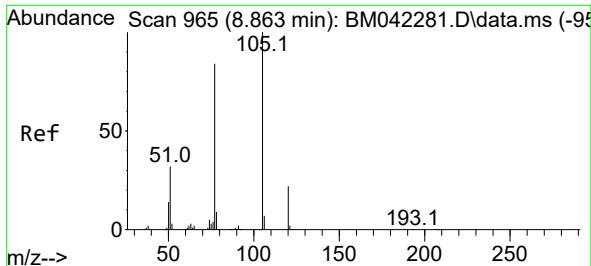
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#14
2,2'-oxybis(1-Chloropropane)
Concen: 4.484 ng/ul m
RT: 8.516 min Scan# 906
Delta R.T. -0.006 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

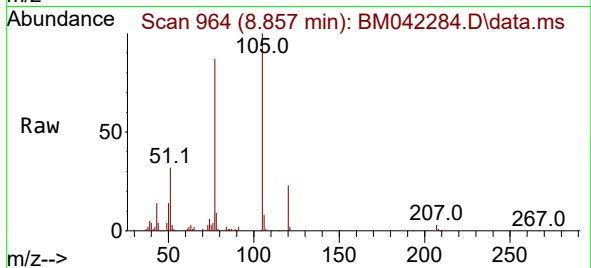
Tgt Ion: 45 Resp: 80472
Ion Ratio Lower Upper
45 100
77 13.4 10.5 15.7
79 9.2 7.3 10.9





#16
Acetophenone
Concen: 4.473 ng/ul
RT: 8.857 min Scan# 965
Delta R.T. 0.000 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

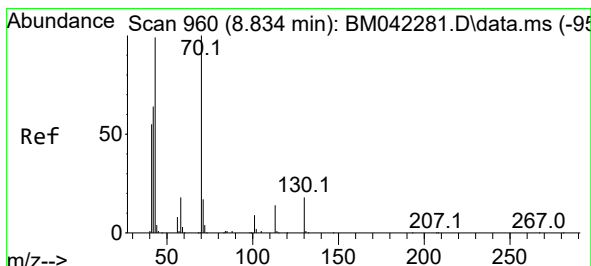
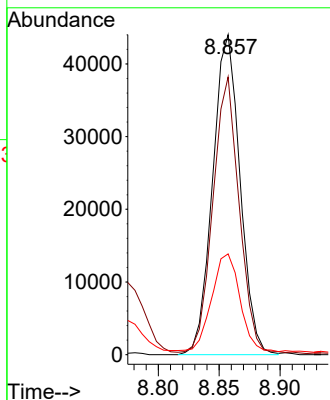
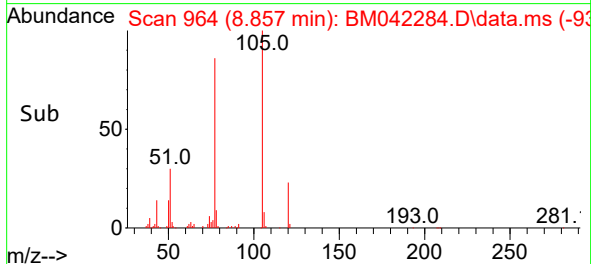
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-03



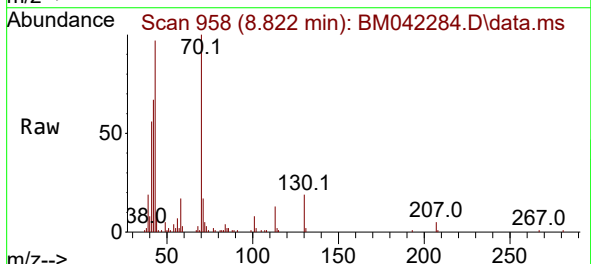
Tgt Ion:105 Resp: 69028
Ion Ratio Lower Upper
105 100
77 86.8 67.8 101.8
51 31.5 26.9 40.3

Manual Integrations
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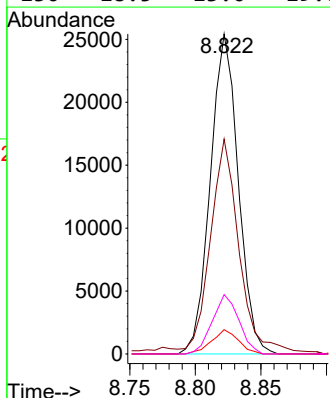
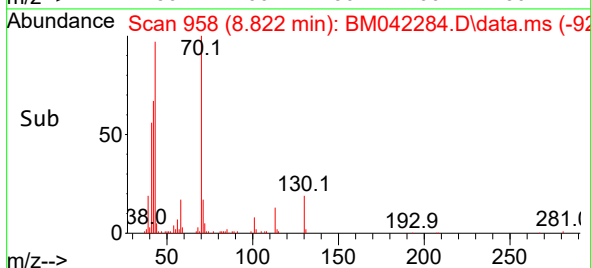
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023

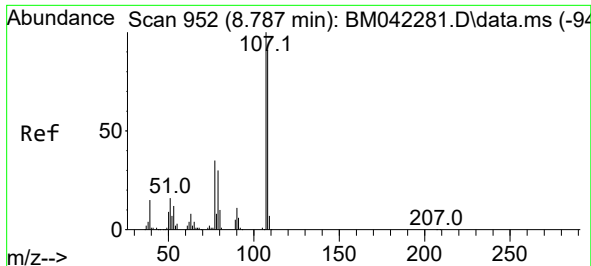


#17
N-Nitroso-di-n-propylamine
Concen: 4.130 ng/ul
RT: 8.822 min Scan# 958
Delta R.T. -0.006 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20



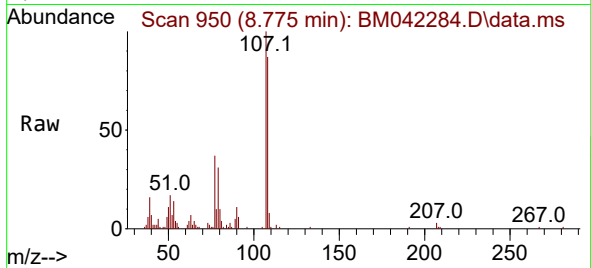
Tgt Ion: 70 Resp: 37723
Ion Ratio Lower Upper
70 100
42 67.1 51.0 76.4
101 7.6 6.7 10.1
130 18.5 13.0 19.6





#18
4-Methylphenol
Concen: 4.042 ng/ul
RT: 8.775 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

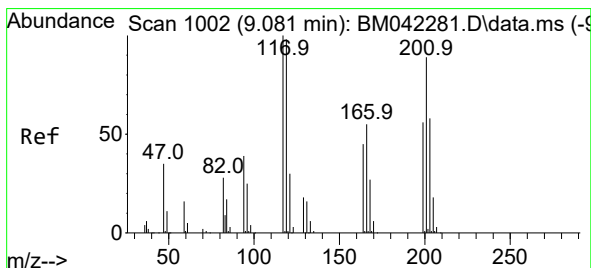
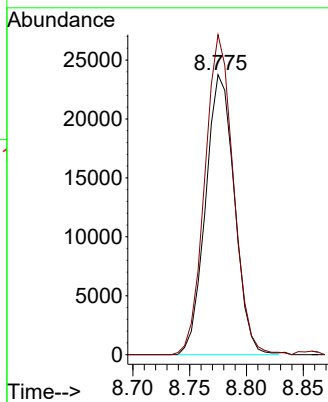
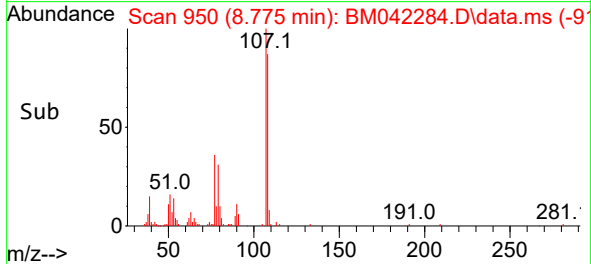
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-03



Tgt Ion:108 Resp: 42139
Ion Ratio Lower Upper
108 100
107 114.3 89.0 133.6

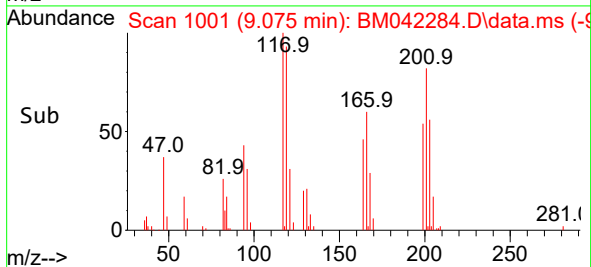
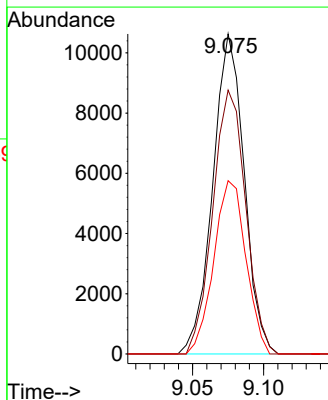
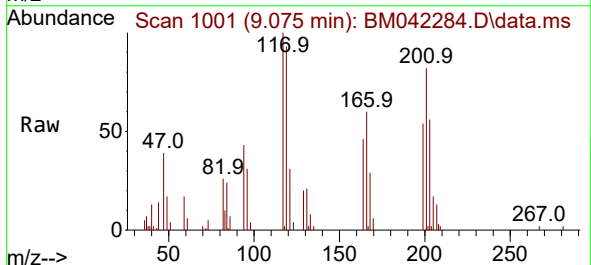
Manual Integrations
APPROVED

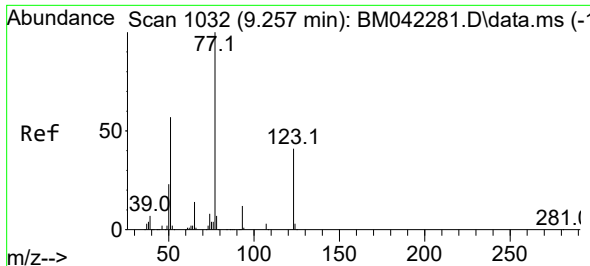
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#19
Hexachloroethane
Concen: 4.290 ng/ul
RT: 9.075 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

Tgt Ion:117 Resp: 16323
Ion Ratio Lower Upper
117 100
201 82.4 69.8 104.8
199 54.2 40.8 61.2





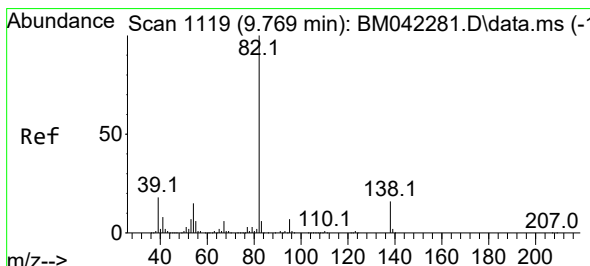
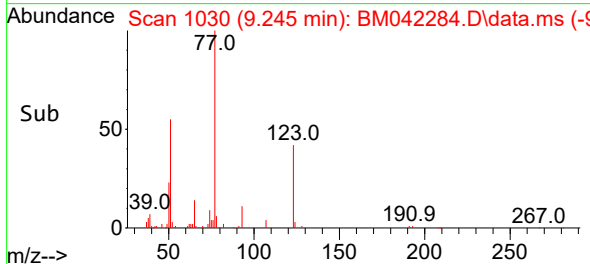
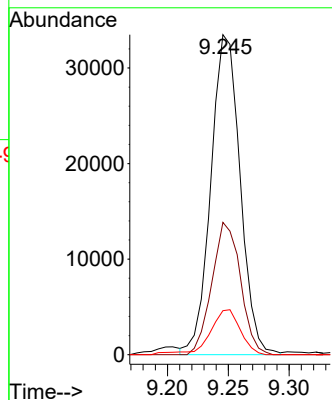
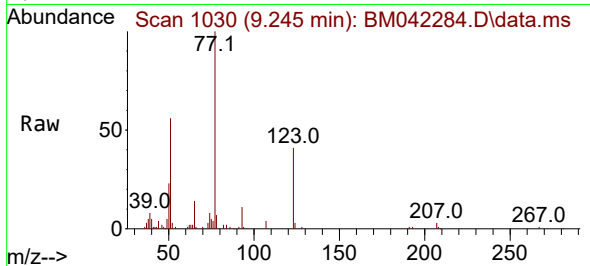
#22
Nitrobenzene
Concen: 4.518 ng/ul
RT: 9.245 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

Instrument : BNA_M
ClientSampleId : MDL-SOIL-QT2-2023-03

Tgt Ion: 77 Resp: 5609
Ion Ratio Lower Upper
77 100
123 41.3 31.3 46.9
65 13.7 10.7 16.1

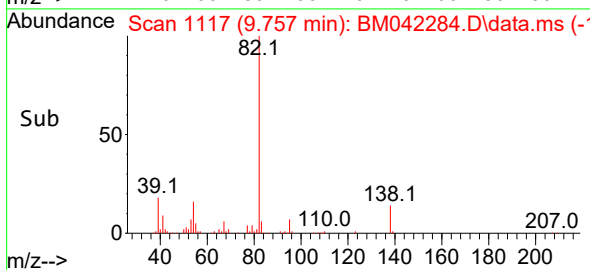
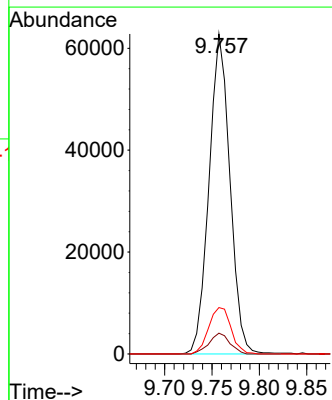
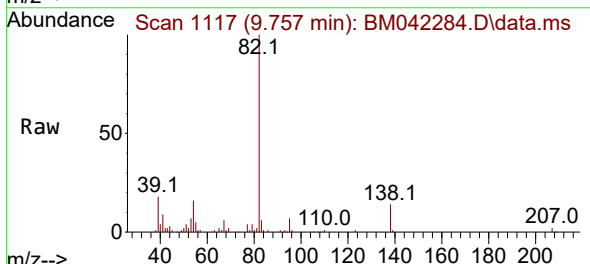
Manual Integrations
APPROVED

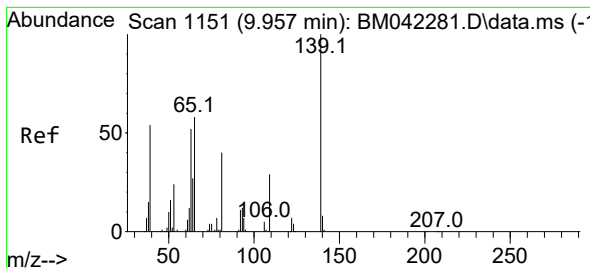
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#23
Isophorone
Concen: 3.998 ng/ul
RT: 9.757 min Scan# 1117
Delta R.T. -0.006 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

Tgt Ion: 82 Resp: 96236
Ion Ratio Lower Upper
82 100
95 6.5 5.0 7.4
138 14.5 11.8 17.6





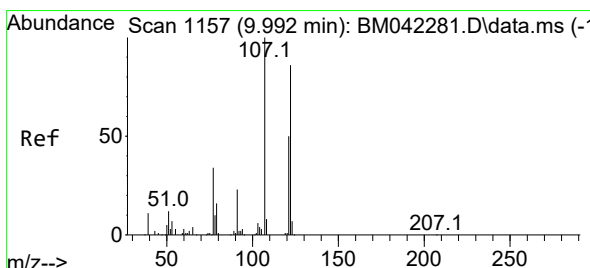
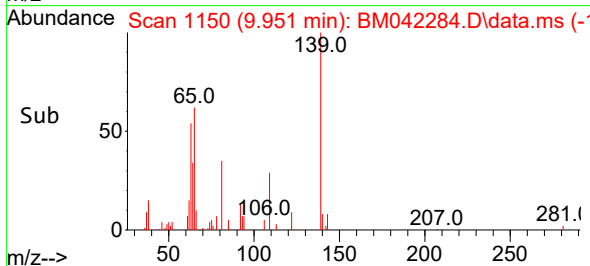
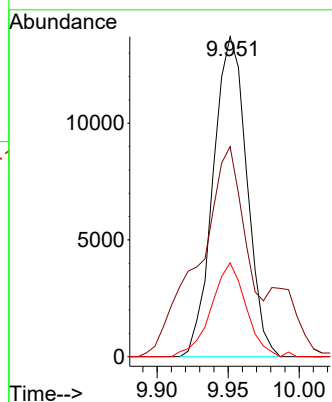
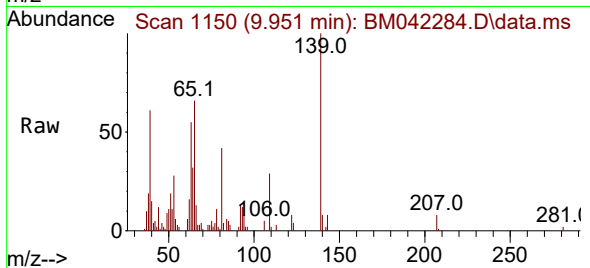
#25
2-Nitrophenol
Concen: 4.401 ng/ul
RT: 9.951 min Scan# 1150
Delta R.T. -0.006 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-03

Tgt Ion:139 Resp: 22590
Ion Ratio Lower Upper
139 100
65 65.7 49.4 74.2
109 29.3 24.0 36.0

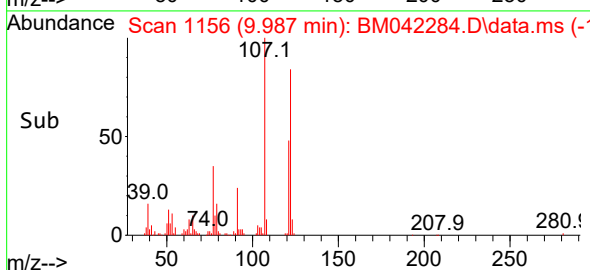
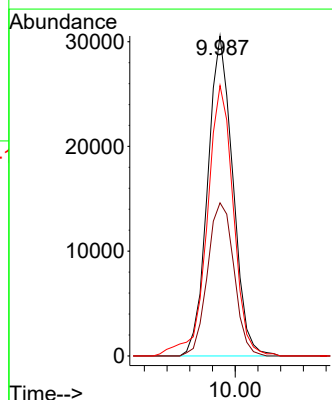
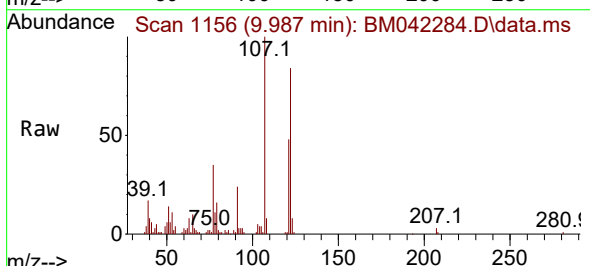
Manual Integrations
APPROVED

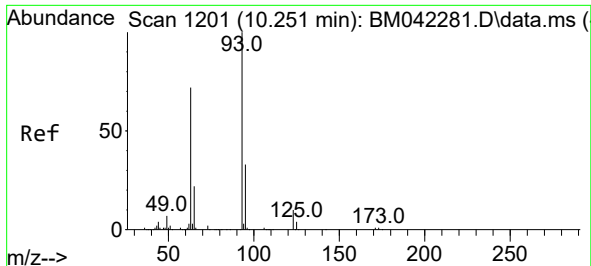
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#26
2,4-Dimethylphenol
Concen: 4.309 ng/ul
RT: 9.987 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

Tgt Ion:107 Resp: 47016
Ion Ratio Lower Upper
107 100
121 47.8 38.4 57.6
122 84.5 68.6 102.8





#27

Bis(2-Chloroethoxy)methane

Concen: 4.520 ng/ul

RT: 10.245 min Scan# 11

Delta R.T. -0.006 min

Lab File: BM042284.D

Acq: 13 Oct 2023 14:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT2-2023-03

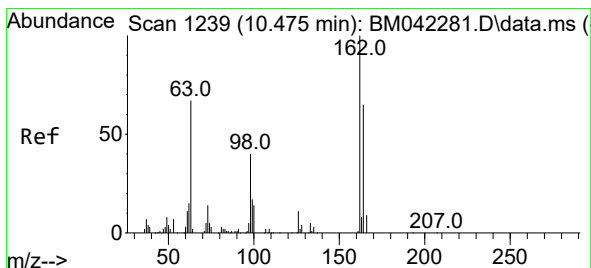
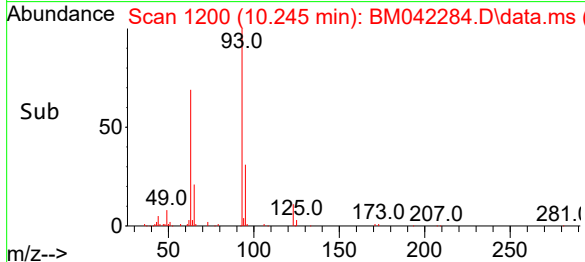
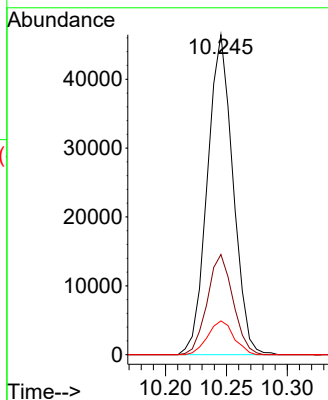
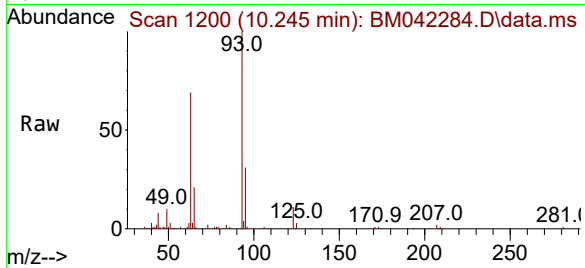
Tgt Ion: 93	Resp: 6802
Ion Ratio	Lower Upper
93 100	
95 31.3	26.1 39.1
123 10.5	8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/16/2023

Supervised By :mohammad ahmed 10/17/2023



#29

2,4-Dichlorophenol

Concen: 4.564 ng/ul

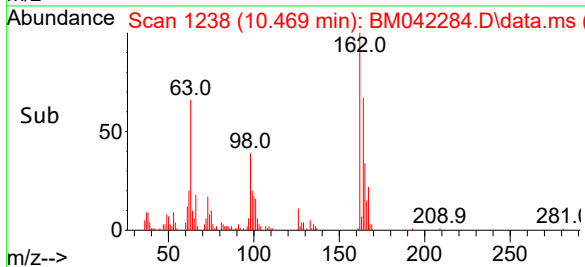
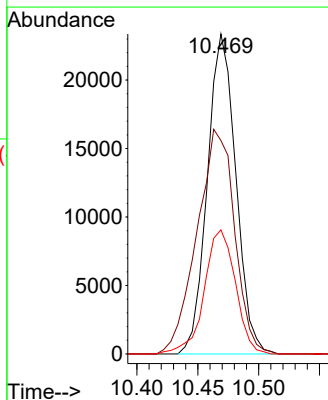
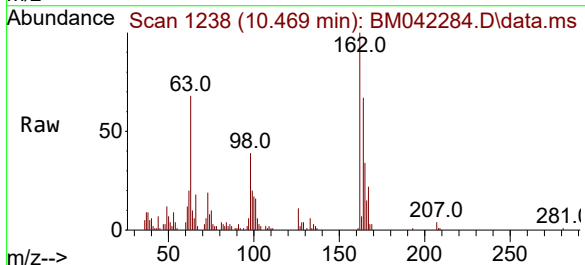
RT: 10.469 min Scan# 1238

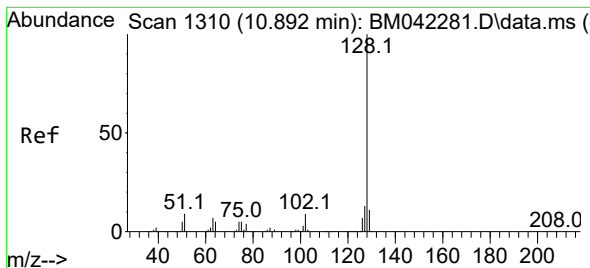
Delta R.T. -0.006 min

Lab File: BM042284.D

Acq: 13 Oct 2023 14:20

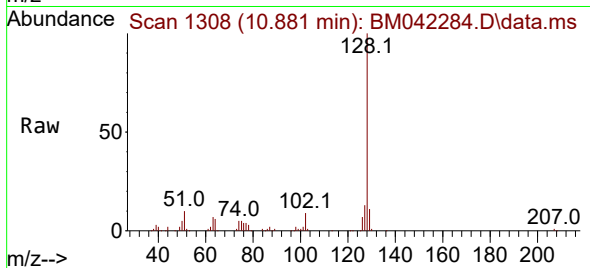
Tgt Ion:162	Resp: 38166
Ion Ratio	Lower Upper
162 100	
164 66.7	52.4 78.6
98 38.8	34.6 52.0





#30
Naphthalene
Concen: 4.742 ng/ul
RT: 10.881 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

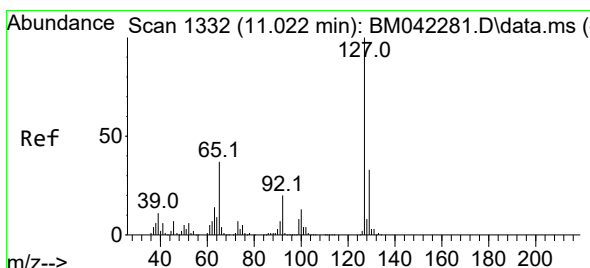
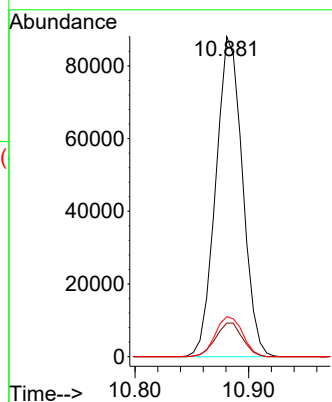
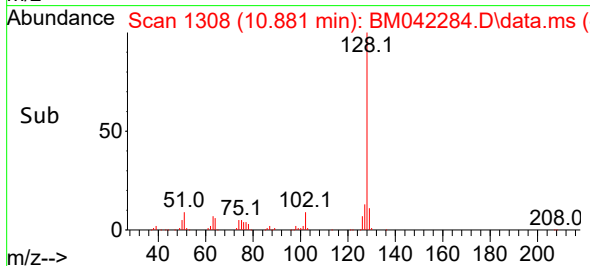
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-03



Tgt Ion:128 Resp: 14367
Ion Ratio Lower Upper
128 100
129 10.5 8.6 12.8
127 12.5 10.4 15.6

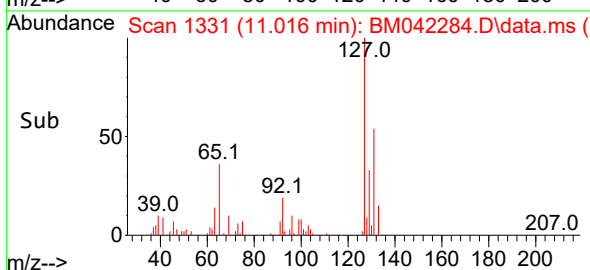
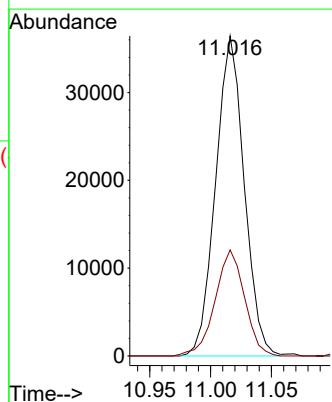
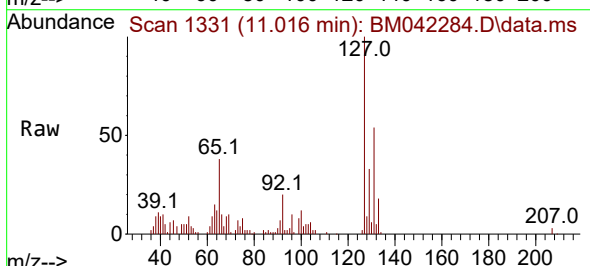
Manual Integrations
APPROVED

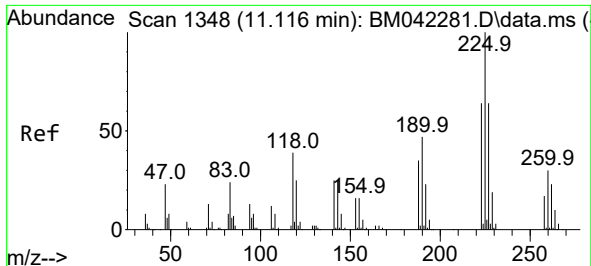
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#32
4-Chloroaniline
Concen: 4.562 ng/ul
RT: 11.016 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

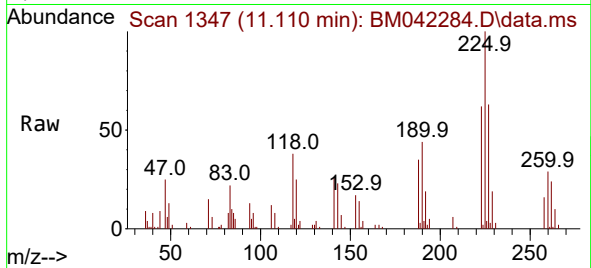
Tgt Ion:127 Resp: 59444
Ion Ratio Lower Upper
127 100
129 33.2 25.1 37.7





#33
Hexachlorobutadiene
Concen: 4.752 ng/ul
RT: 11.110 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

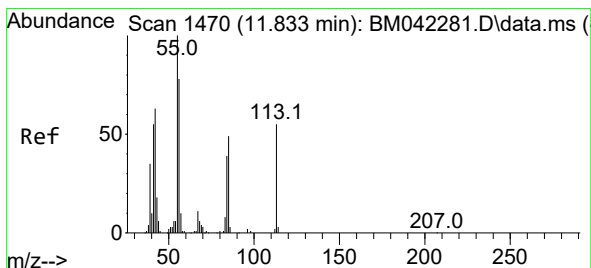
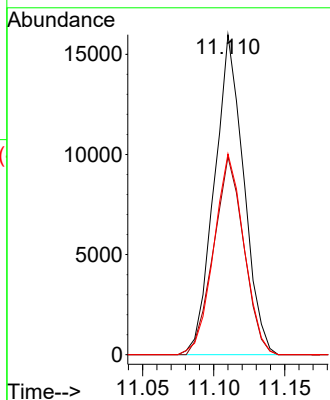
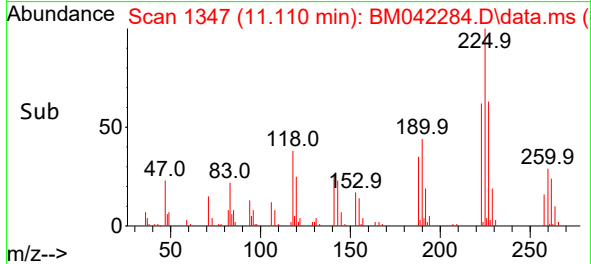
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-03



Tgt Ion:225 Resp: 2294
Ion Ratio Lower Upper
225 100
223 61.9 51.3 76.9
227 62.8 53.4 80.0

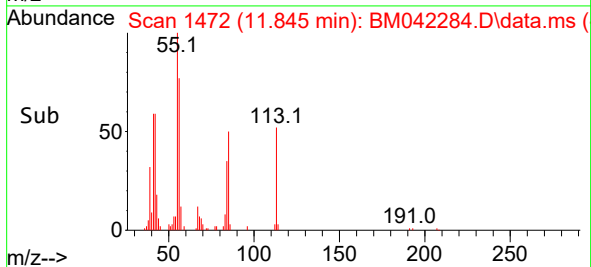
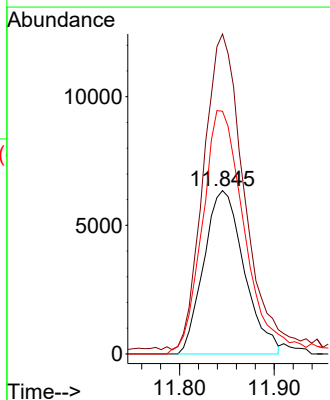
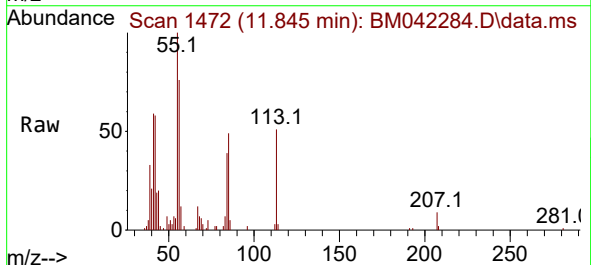
Manual Integrations
APPROVED

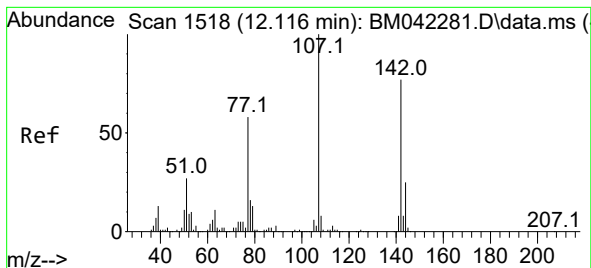
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#34
Caprolactam
Concen: 6.150 ng/ul
RT: 11.845 min Scan# 1472
Delta R.T. 0.012 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

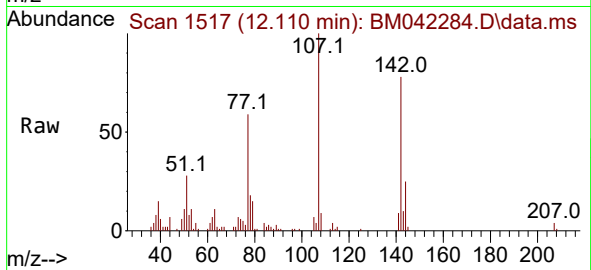
Tgt Ion:113 Resp: 18778
Ion Ratio Lower Upper
113 100
55 195.9 162.1 243.1
56 148.6 124.2 186.2





#35
4-Chloro-3-methylphenol
Concen: 3.934 ng/ul
RT: 12.110 min Scan# 1518
Delta R.T. -0.006 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

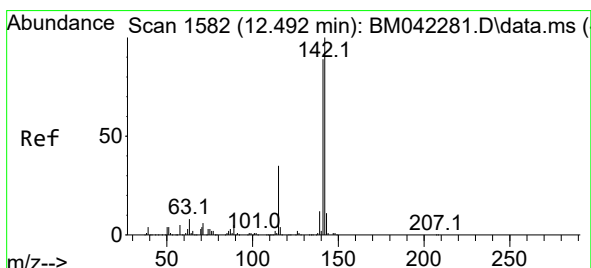
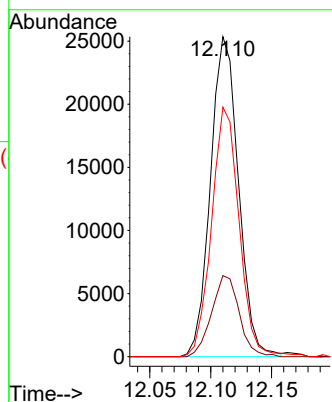
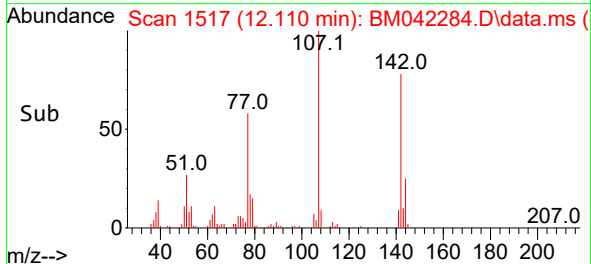
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-03



Tgt Ion:107 Resp: 40520
Ion Ratio Lower Upper
107 100
144 25.3 19.3 28.9
142 78.0 60.6 91.0

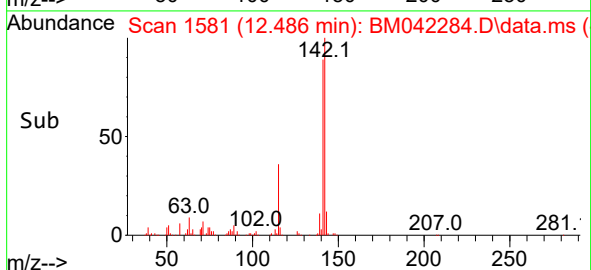
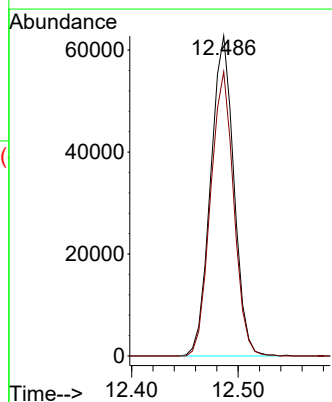
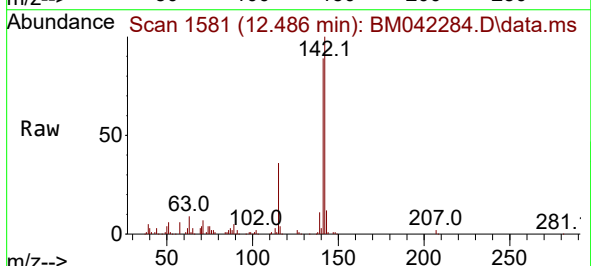
Manual Integrations
APPROVED

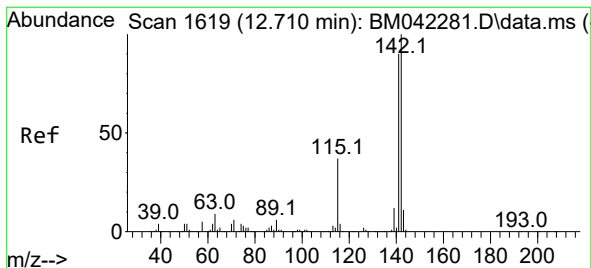
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#36
2-Methylnaphthalene
Concen: 4.592 ng/ul
RT: 12.486 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

Tgt Ion:142 Resp: 95228
Ion Ratio Lower Upper
142 100
141 88.8 71.5 107.3





#37

1-Methylnaphthalene

Concen: 4.749 ng/ul

RT: 12.704 min Scan# 1618

Delta R.T. -0.006 min

Lab File: BM042284.D

Acq: 13 Oct 2023 14:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT2-2023-03

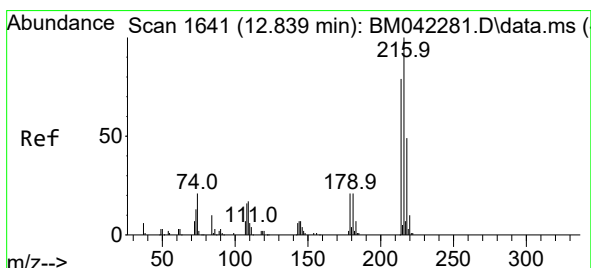
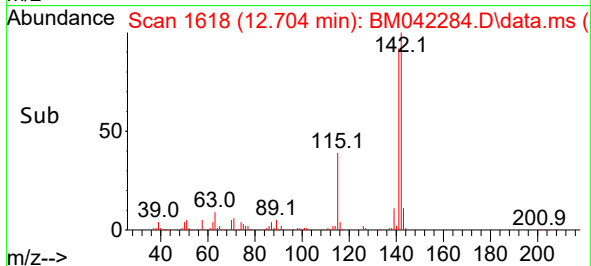
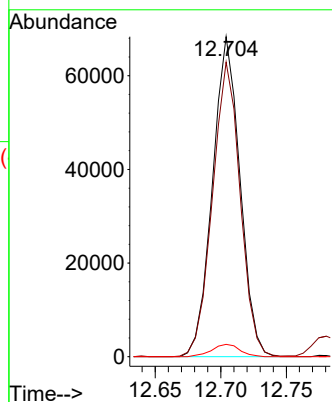
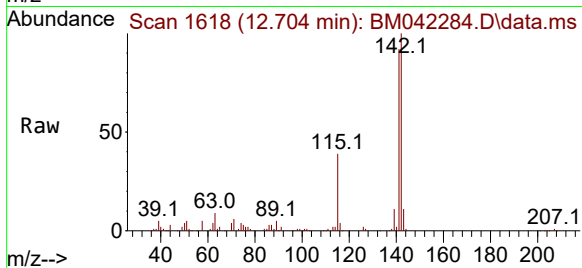
Tgt Ion:	142	Resp:	99539
Ion Ratio	Lower	Upper	
142	100		
141	92.1	74.6	111.8
116	3.8	3.2	4.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/16/2023

Supervised By :mohammad ahmed 10/17/2023



#39

1,2,4,5-Tetrachlorobenzene

Concen: 4.587 ng/ul

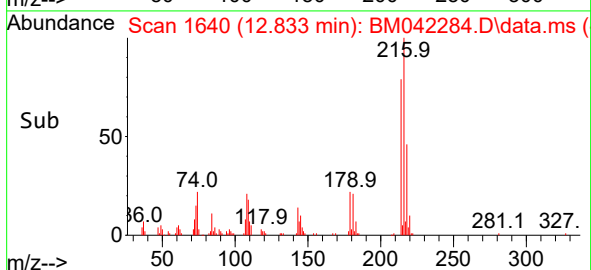
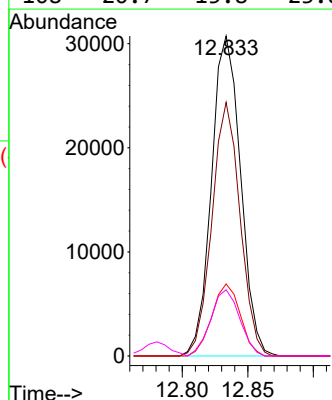
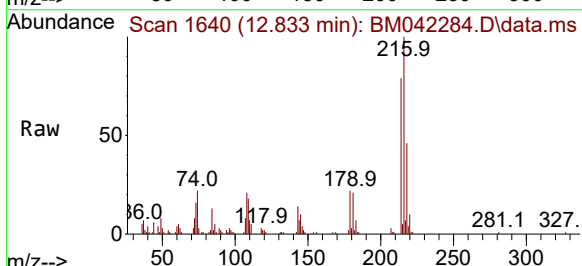
RT: 12.833 min Scan# 1640

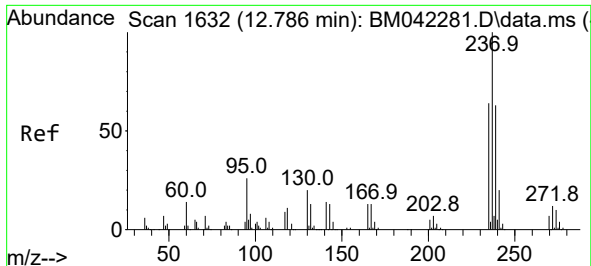
Delta R.T. -0.006 min

Lab File: BM042284.D

Acq: 13 Oct 2023 14:20

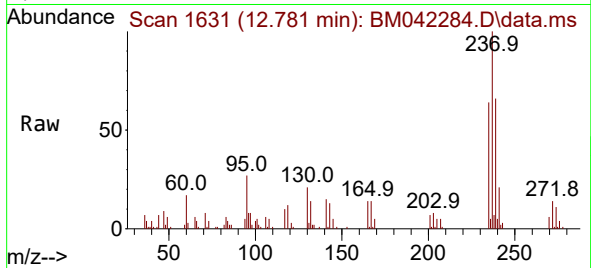
Tgt Ion:	216	Resp:	47432
Ion Ratio	Lower	Upper	
216	100		
214	79.2	60.6	90.8
179	22.5	16.9	25.3
108	20.7	15.8	23.8





#40
Hexachlorocyclopentadiene
Concen: 6.526 ng/ul
RT: 12.781 min Scan# 1632
Delta R.T. -0.006 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

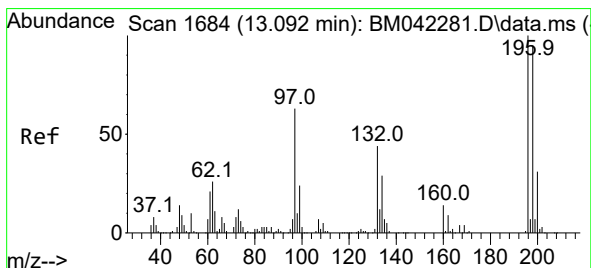
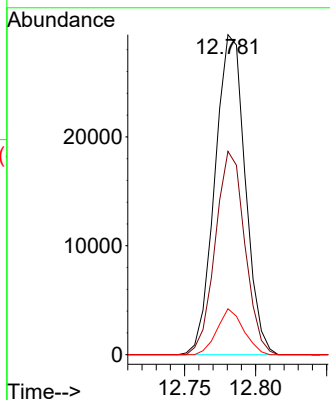
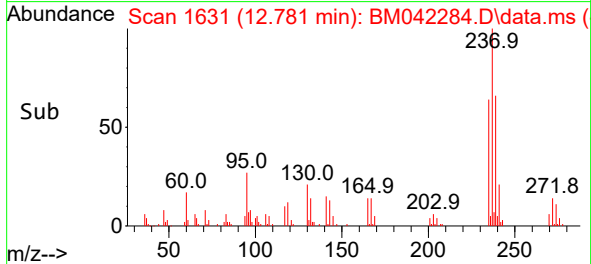
Instrument : BNA_M
ClientSampleId : MDL-SOIL-QT2-2023-03



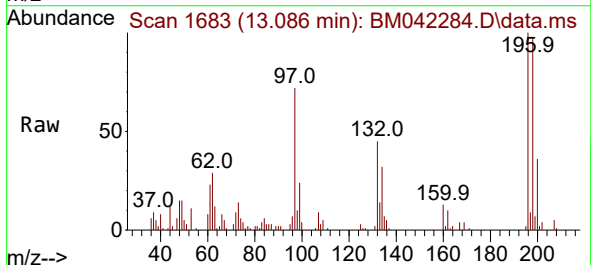
Tgt Ion:237 Resp: 43670
Ion Ratio Lower Upper
237 100
235 63.6 51.5 77.3
272 14.3 9.8 14.6

Manual Integrations
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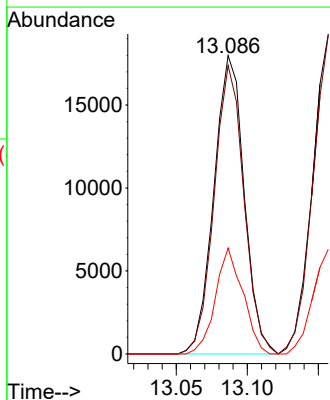
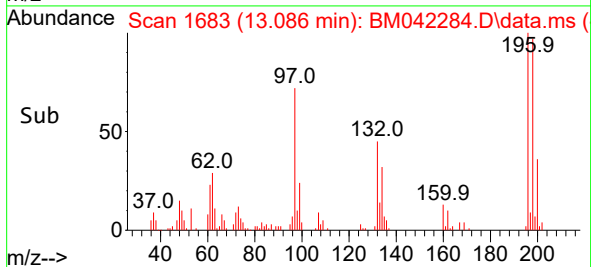
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023

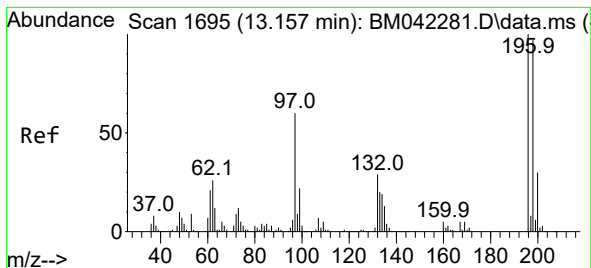


#41
2,4,6-Trichlorophenol
Concen: 3.855 ng/ul
RT: 13.086 min Scan# 1683
Delta R.T. -0.006 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20



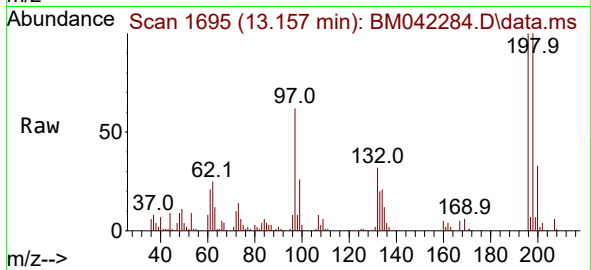
Tgt Ion:196 Resp: 26652
Ion Ratio Lower Upper
196 100
198 96.7 79.5 119.3
200 35.5 25.3 37.9





#42
2,4,5-Trichlorophenol
Concen: 3.928 ng/ul
RT: 13.157 min Scan# 1695
Delta R.T. 0.000 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

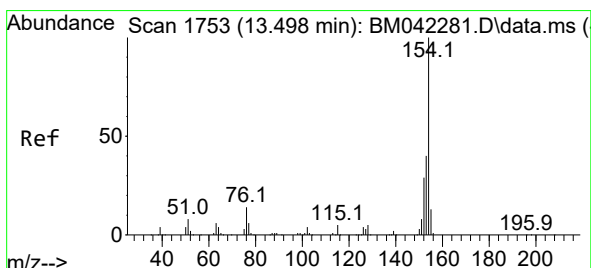
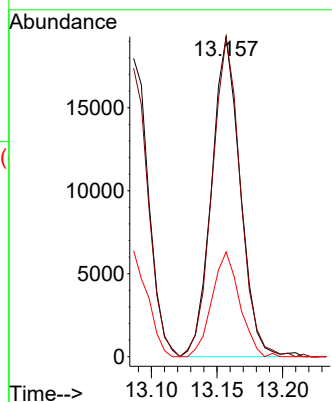
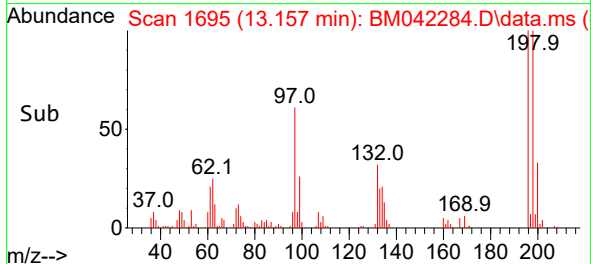
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-03



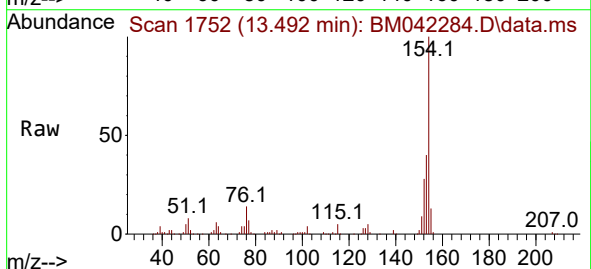
Tgt Ion:196 Resp: 2915
Ion Ratio Lower Upper
196 100
198 99.6 76.4 114.6
200 32.7 24.3 36.5

Manual Integrations
APPROVED

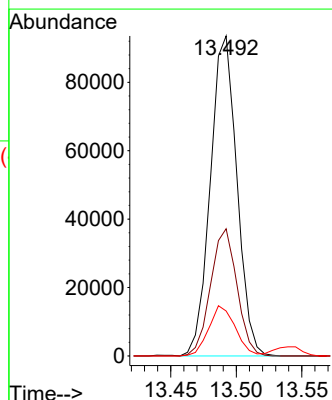
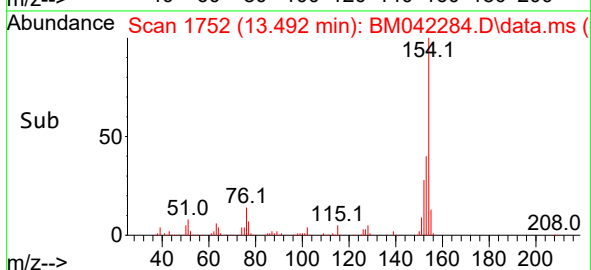
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023

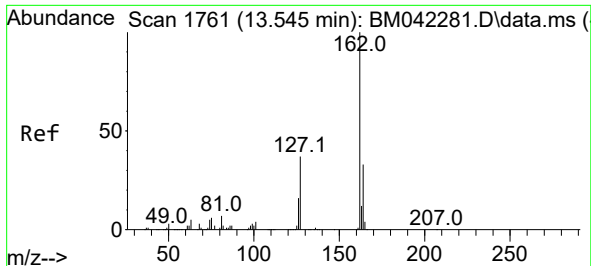


#43
1,1'-Biphenyl
Concen: 4.683 ng/ul
RT: 13.492 min Scan# 1752
Delta R.T. 0.000 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20



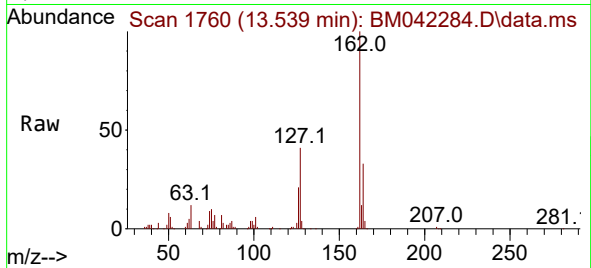
Tgt Ion:154 Resp: 131805
Ion Ratio Lower Upper
154 100
153 39.7 32.9 49.3
76 14.1 13.0 19.4





#44
2-Chloronaphthalene
Concen: 4.593 ng/ul
RT: 13.539 min Scan# 1760
Delta R.T. -0.006 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

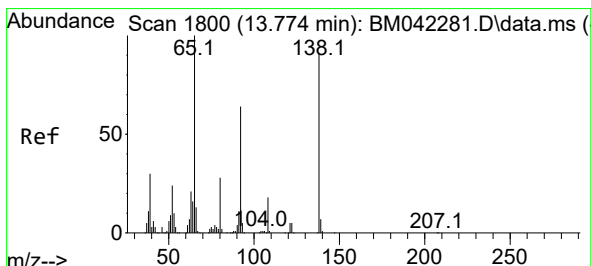
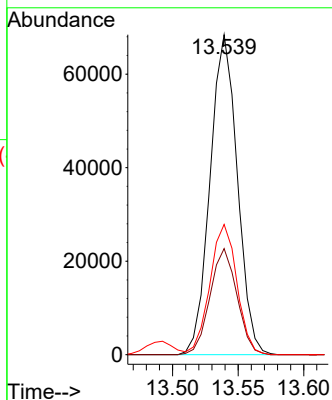
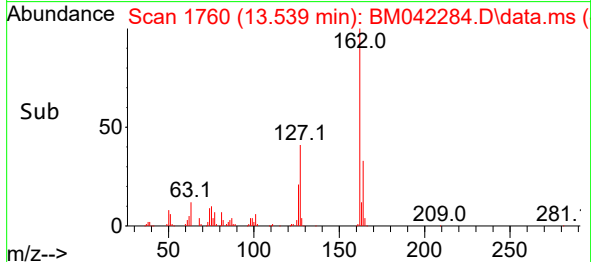
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-03



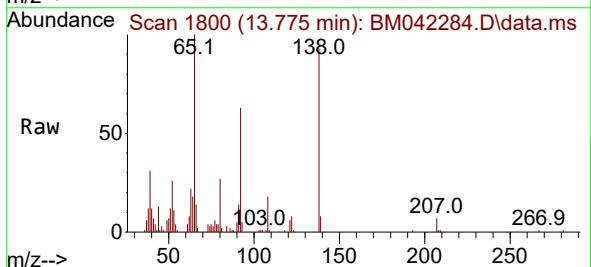
Tgt Ion:162 Resp: 99080
Ion Ratio Lower Upper
162 100
164 33.2 26.9 40.3
127 40.7 32.1 48.1

Manual Integrations
APPROVED

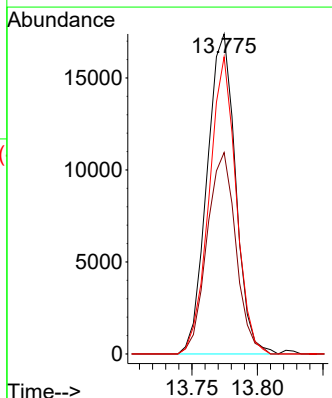
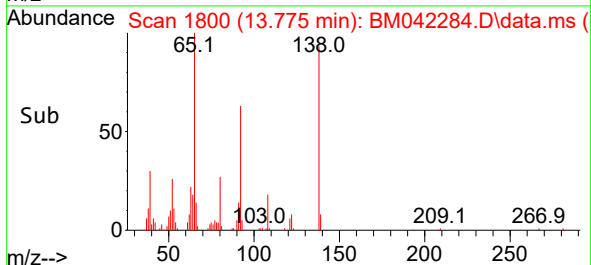
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023

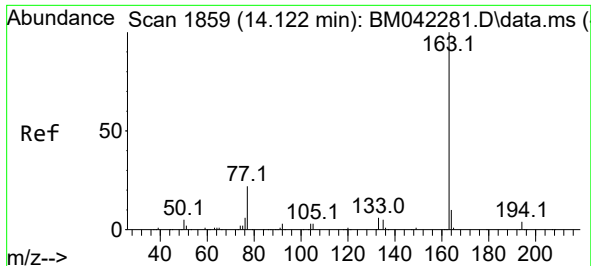


#45
2-Nitroaniline
Concen: 3.390 ng/ul
RT: 13.775 min Scan# 1800
Delta R.T. 0.000 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20



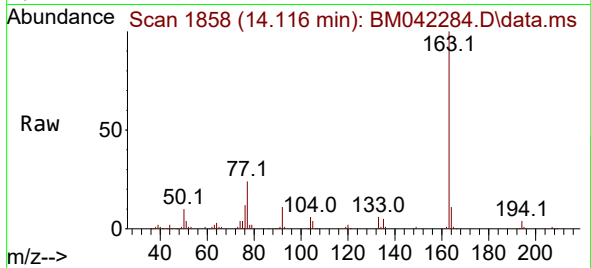
Tgt Ion: 65 Resp: 26296
Ion Ratio Lower Upper
65 100
92 63.0 50.0 75.0
138 92.9 66.4 99.6





#47
Dimethylphthalate
Concen: 4.562 ng/ul
RT: 14.116 min Scan# 1858
Delta R.T. 0.000 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

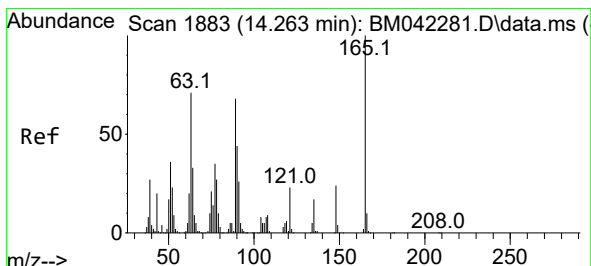
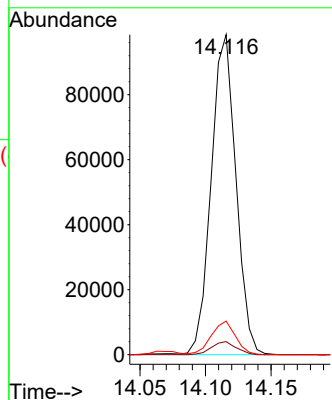
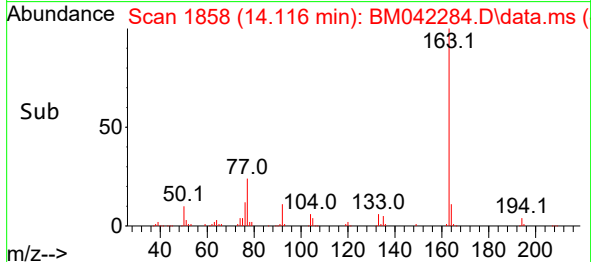
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-03



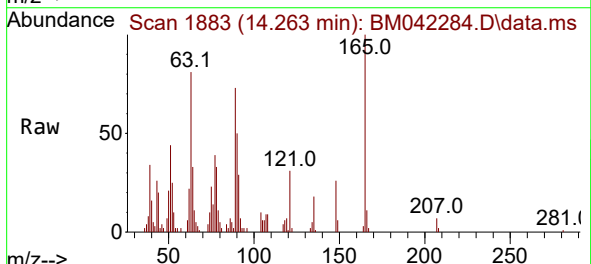
Tgt Ion:163 Resp: 12923
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.4
164 10.5 8.1 12.1

Manual Integrations
APPROVED

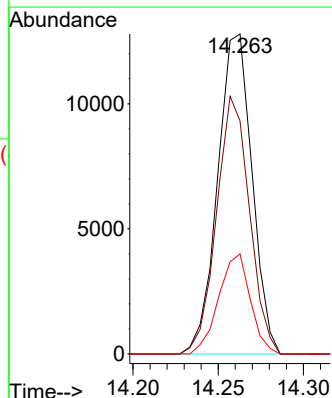
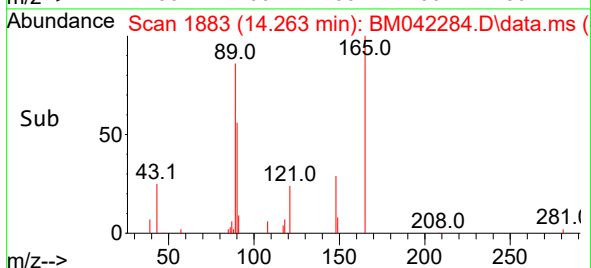
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023

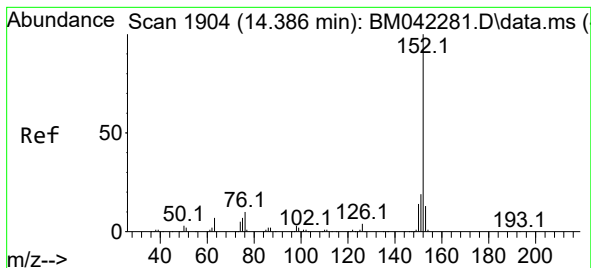


#48
2,6-Dinitrotoluene
Concen: 3.508 ng/ul
RT: 14.263 min Scan# 1883
Delta R.T. 0.000 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20



Tgt Ion:165 Resp: 17987
Ion Ratio Lower Upper
165 100
89 72.8 60.3 90.5
121 31.2 20.2 30.4#





#50

Acenaphthylene

Concen: 4.677 ng/ul

RT: 14.386 min Scan# 1904

Delta R.T. 0.000 min

Lab File: BM042284.D

Acq: 13 Oct 2023 14:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT2-2023-03

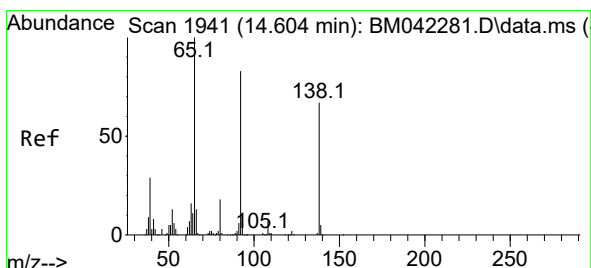
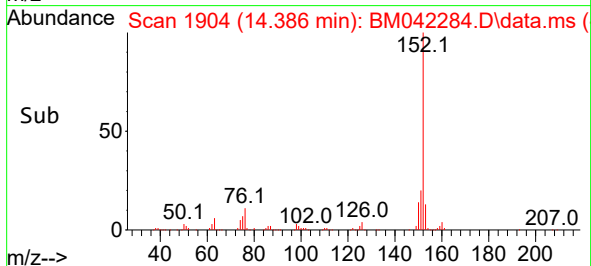
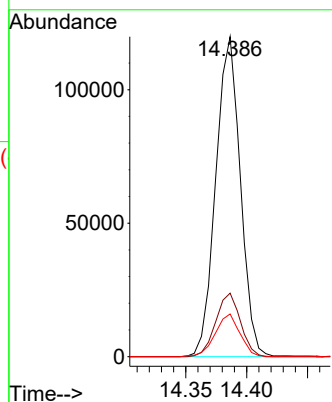
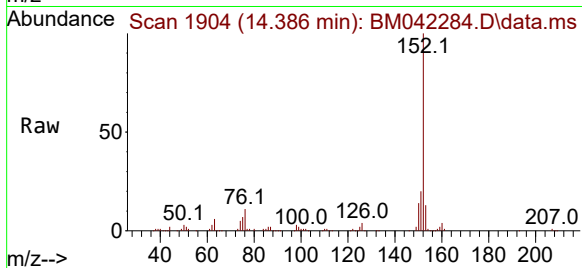
Tgt Ion:	152	Resp:	16829
Ion Ratio	Lower	Upper	
152	100		
151	19.9	15.9	23.9
153	13.4	10.3	15.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/16/2023

Supervised By :mohammad ahmed 10/17/2023



#51

3-Nitroaniline

Concen: 3.457 ng/ul

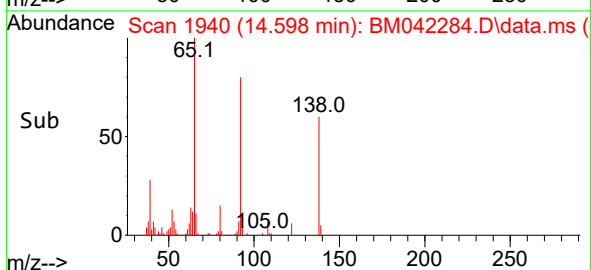
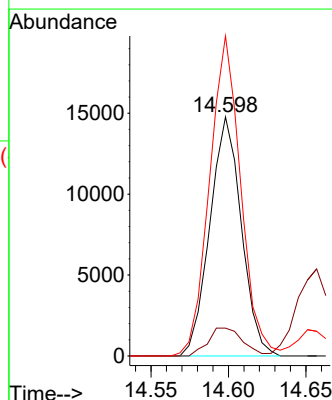
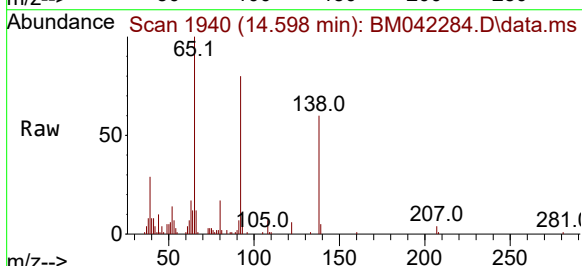
RT: 14.598 min Scan# 1940

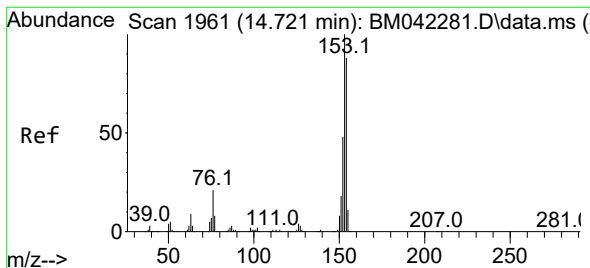
Delta R.T. -0.006 min

Lab File: BM042284.D

Acq: 13 Oct 2023 14:20

Tgt Ion:	138	Resp:	20895
Ion Ratio	Lower	Upper	
138	100		
108	11.6	8.5	12.7
92	133.9	103.8	155.6





#52

Acenaphthene

Concen: 4.639 ng/ul

RT: 14.722 min Scan# 1961

Delta R.T. 0.000 min

Lab File: BM042284.D

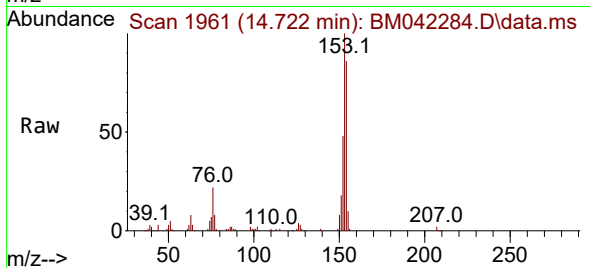
Acq: 13 Oct 2023 14:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT2-2023-03



Tgt Ion:153 Resp: 112130

Ion Ratio Lower Upper

153 100

152 48.3 39.0 58.4

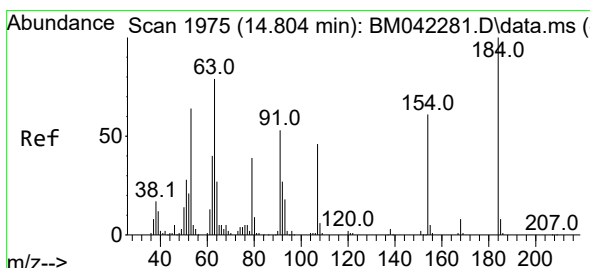
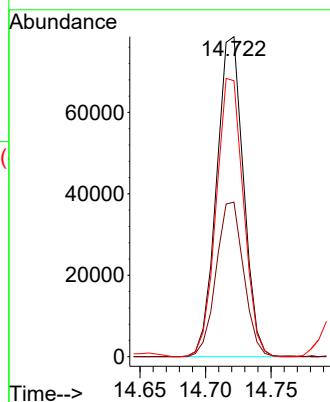
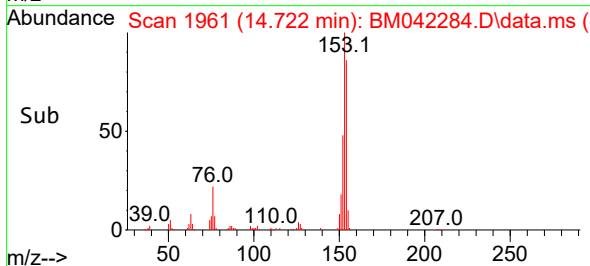
154 86.2 70.4 105.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/16/2023

Supervised By :mohammad ahmed 10/17/2023



#53

2,4-Dinitrophenol

Concen: 7.467 ng/ul

RT: 14.798 min Scan# 1974

Delta R.T. -0.006 min

Lab File: BM042284.D

Acq: 13 Oct 2023 14:20

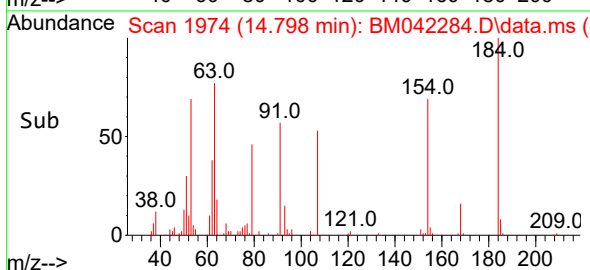
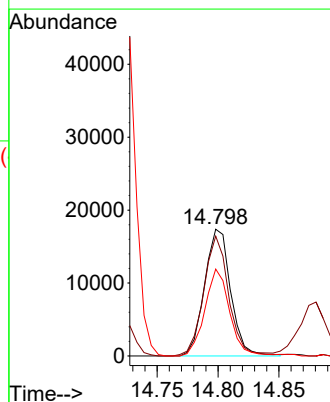
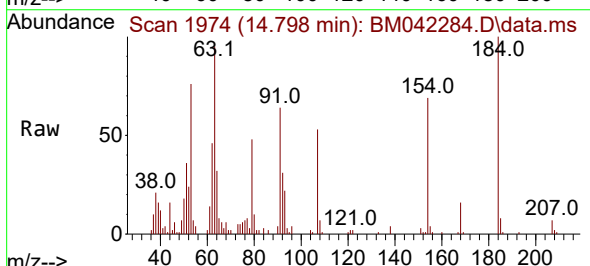
Tgt Ion:184 Resp: 25918

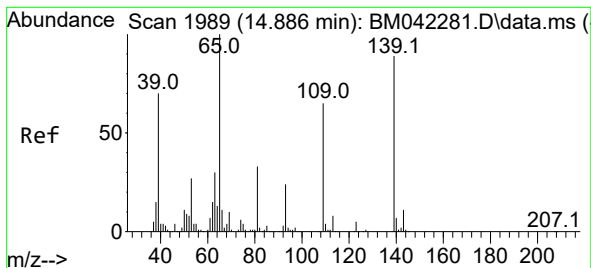
Ion Ratio Lower Upper

184 100

63 94.5 70.6 106.0

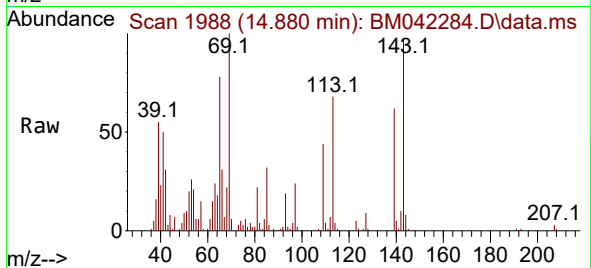
154 68.6 50.1 75.1





#55
4-Nitrophenol
Concen: 4.084 ng/ul
RT: 14.880 min Scan# 1989
Delta R.T. -0.006 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

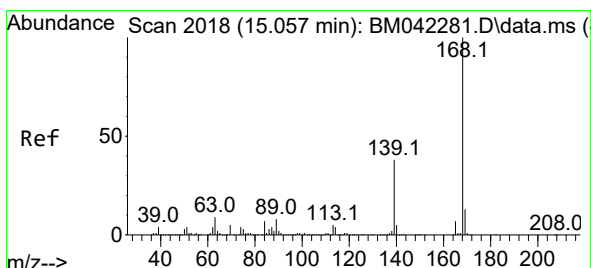
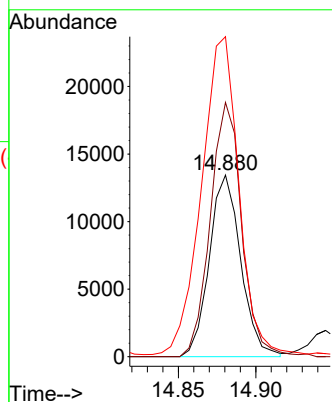
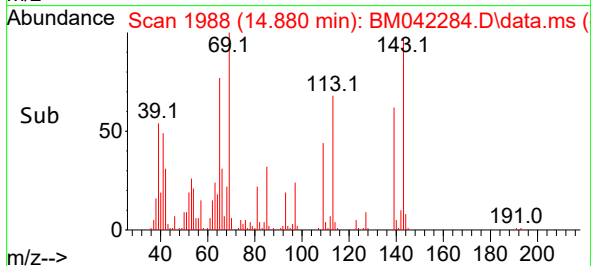
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-03



Tgt Ion:109 Resp: 1896
Ion Ratio Lower Upper
109 100
139 140.0 102.5 153.7
65 176.2 126.6 189.8

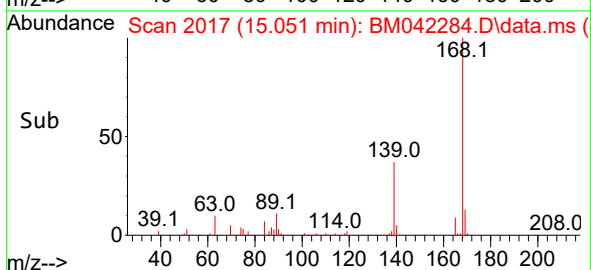
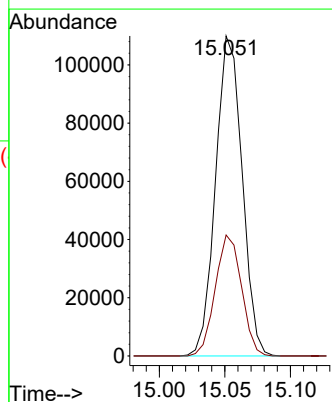
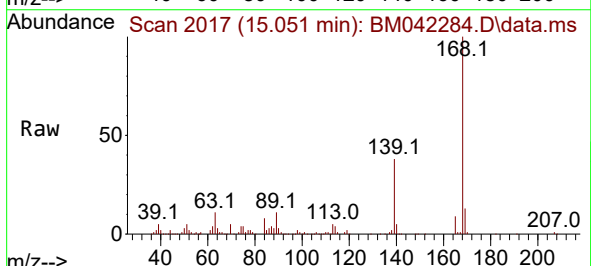
Manual Integrations
APPROVED

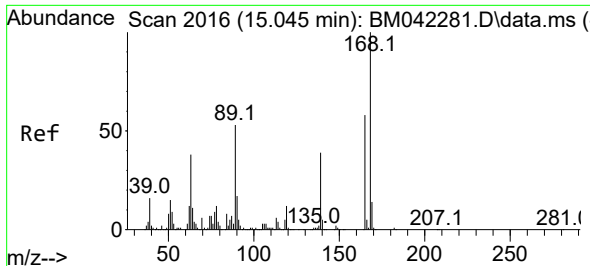
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#56
Dibenzofuran
Concen: 4.764 ng/ul
RT: 15.051 min Scan# 2017
Delta R.T. -0.006 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

Tgt Ion:168 Resp: 154677
Ion Ratio Lower Upper
168 100
139 37.8 30.7 46.1





#57

2,4-Dinitrotoluene

Concen: 3.853 ng/ul

RT: 15.039 min Scan# 2016

Delta R.T. -0.006 min

Lab File: BM042284.D

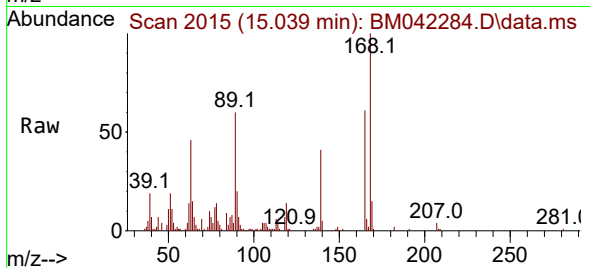
Acq: 13 Oct 2023 14:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT2-2023-03



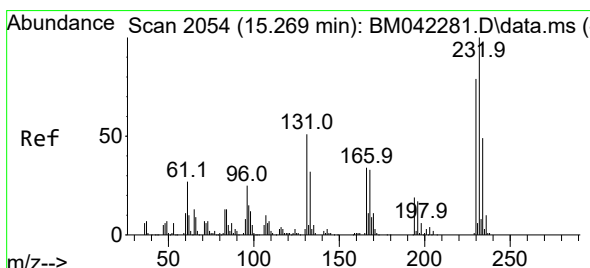
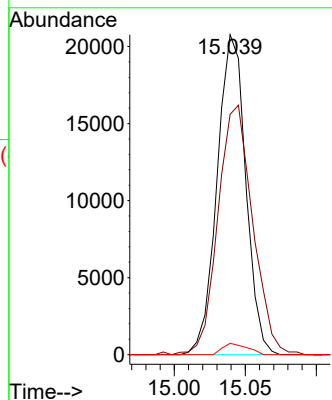
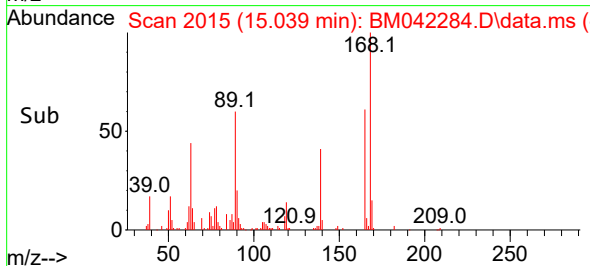
Tgt Ion:	165	Resp:	29134
Ion Ratio	Lower	Upper	
165	100		
63	75.1	57.5	86.3
182	3.6	2.0	3.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/16/2023

Supervised By :mohammad ahmed 10/17/2023



#58

2,3,4,6-Tetrachlorophenol

Concen: 4.127 ng/ul

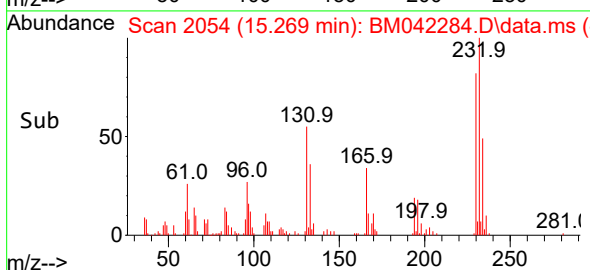
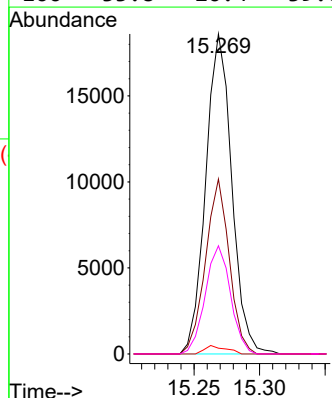
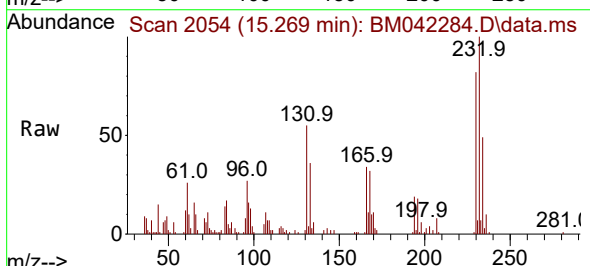
RT: 15.269 min Scan# 2054

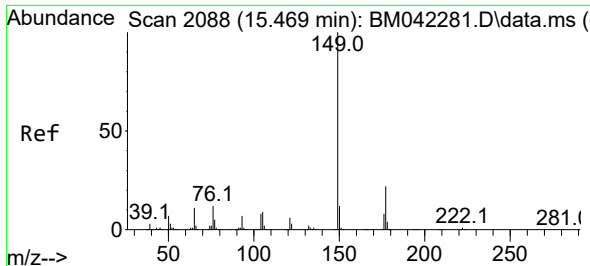
Delta R.T. -0.006 min

Lab File: BM042284.D

Acq: 13 Oct 2023 14:20

Tgt Ion:	232	Resp:	25708
Ion Ratio	Lower	Upper	
232	100		
131	54.6	38.2	57.4
130	1.8	2.2	3.4
166	33.8	26.4	39.6





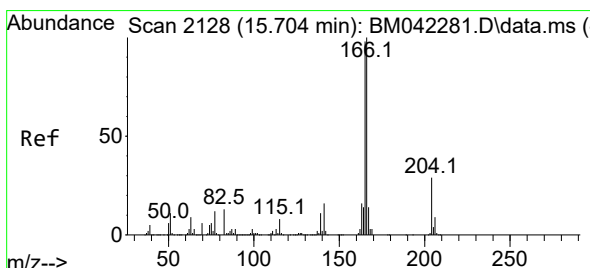
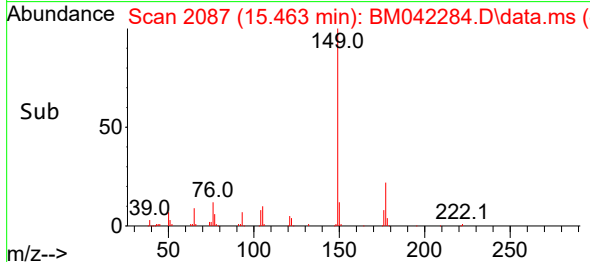
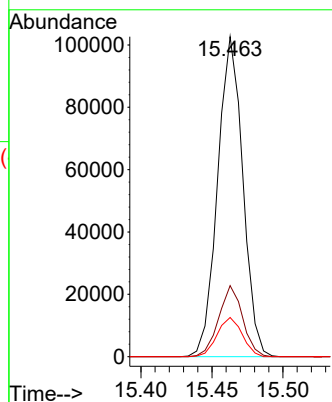
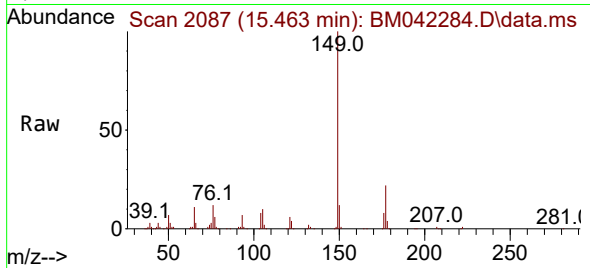
#59
Diethylphthalate
Concen: 4.377 ng/ul
RT: 15.463 min Scan# 2088
Delta R.T. -0.006 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-03

Tgt Ion:149 Resp: 12656
Ion Ratio Lower Upper
149 100
177 22.2 16.6 25.0
150 12.3 9.7 14.5

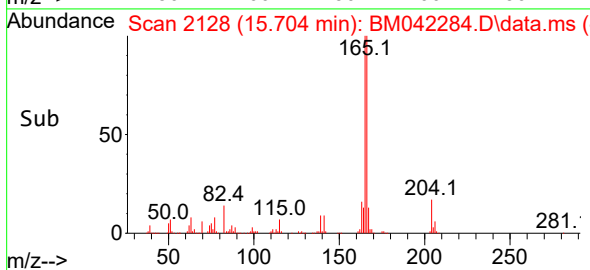
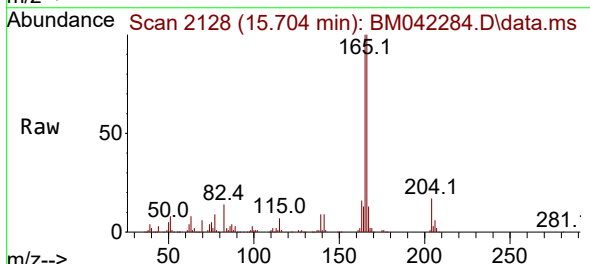
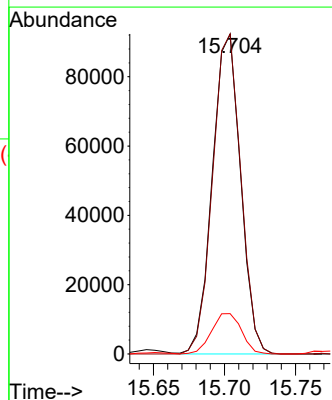
Manual Integrations
APPROVED

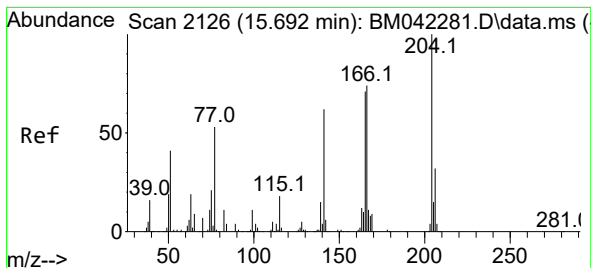
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#61
Fluorene
Concen: 4.725 ng/ul
RT: 15.704 min Scan# 2128
Delta R.T. 0.000 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

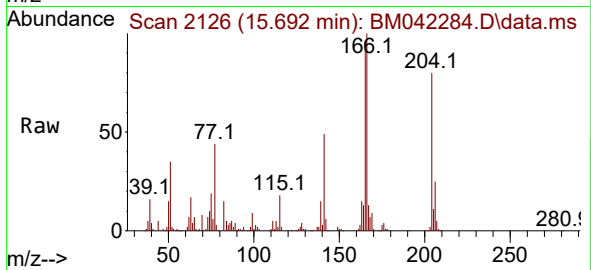
Tgt Ion:166 Resp: 127244
Ion Ratio Lower Upper
166 100
165 100.0 78.7 118.1
167 12.6 10.9 16.3





#62
4-Chlorophenyl-phenylether
Concen: 4.694 ng/ul
RT: 15.692 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

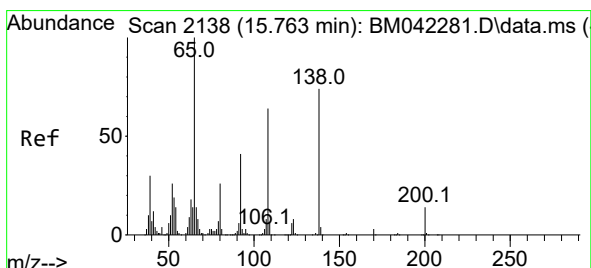
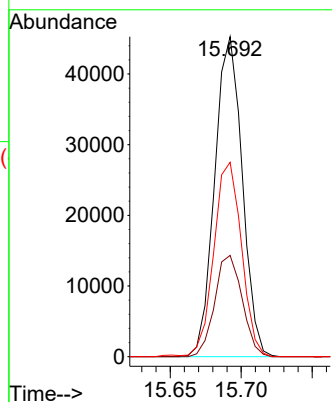
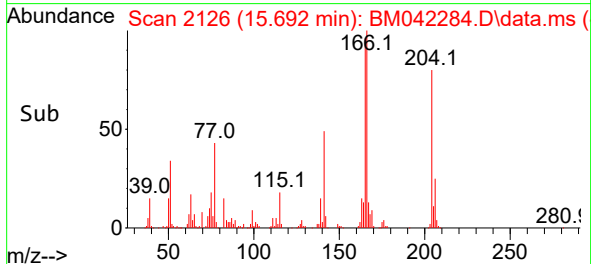
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-03



Tgt Ion:204 Resp: 61040
Ion Ratio Lower Upper
204 100
206 31.7 26.3 39.5
141 60.8 48.5 72.7

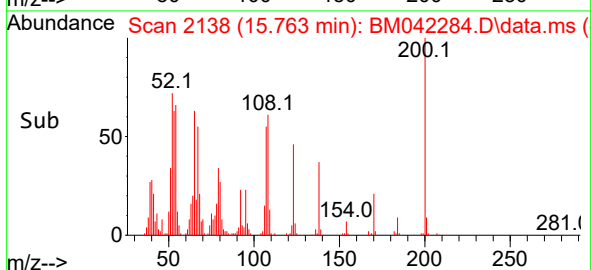
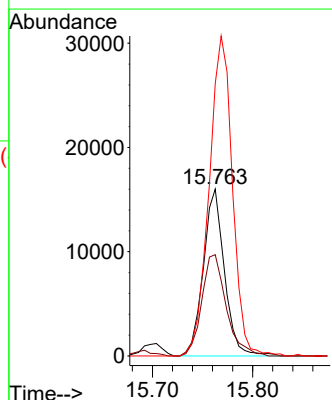
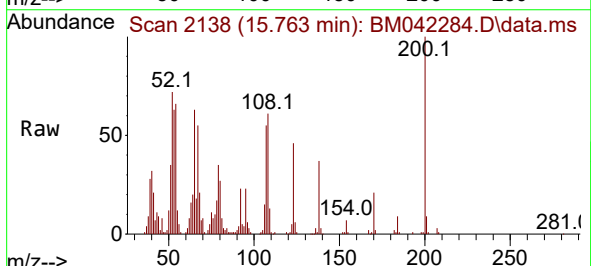
Manual Integrations
APPROVED

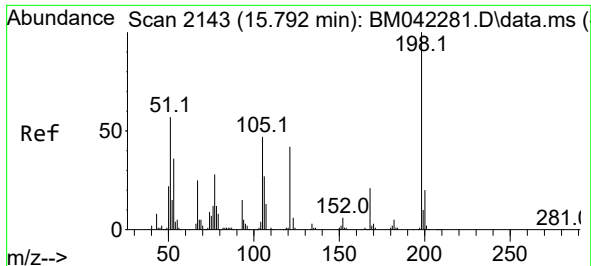
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#63
4-Nitroaniline
Concen: 4.358 ng/ul
RT: 15.763 min Scan# 2138
Delta R.T. 0.000 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

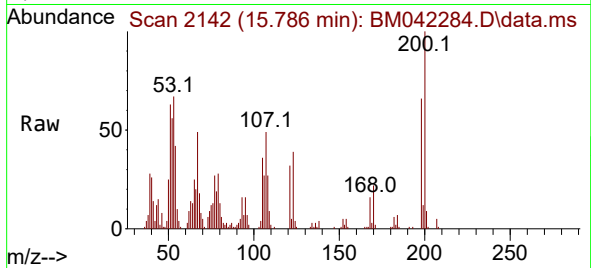
Tgt Ion:138 Resp: 23559
Ion Ratio Lower Upper
138 100
92 60.7 49.5 74.3
108 163.2 72.5 108.7#





#66
4,6-Dinitro-2-methylphenol
Concen: 4.052 ng/ul
RT: 15.786 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

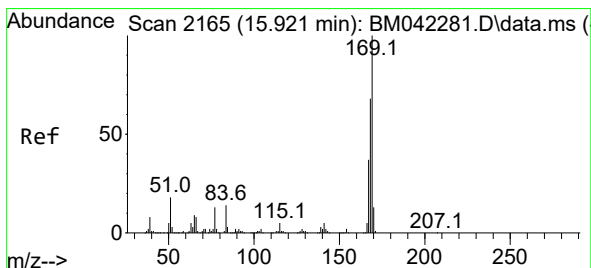
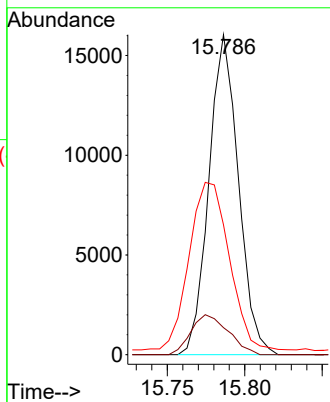
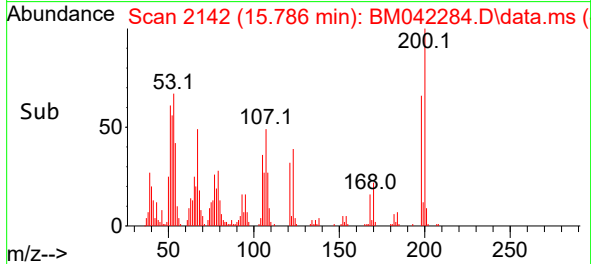
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-03



Tgt Ion:198 Resp: 2123
Ion Ratio Lower Upper
198 100
182 8.4 4.2 6.2
77 40.6 27.4 41.0

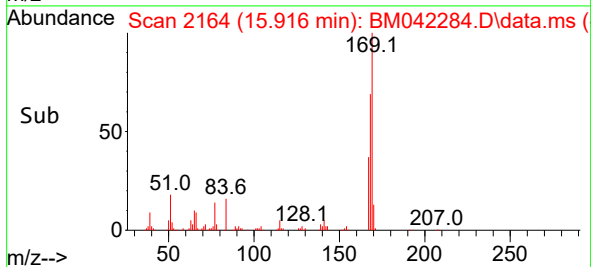
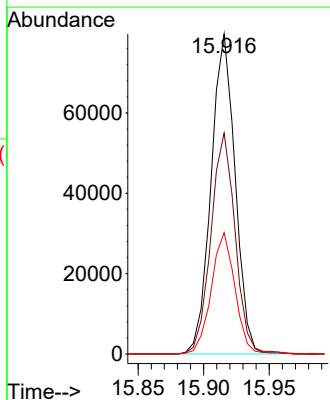
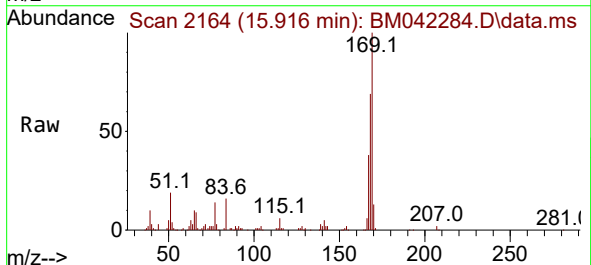
Manual Integrations
APPROVED

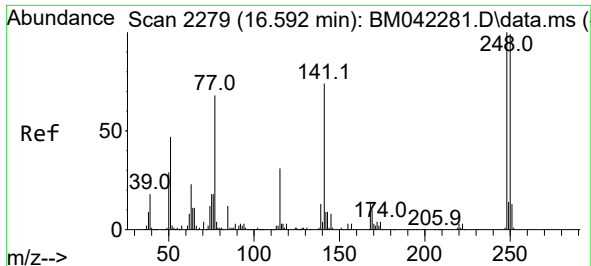
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#67
N-Nitrosodiphenylamine
Concen: 4.460 ng/ul
RT: 15.916 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

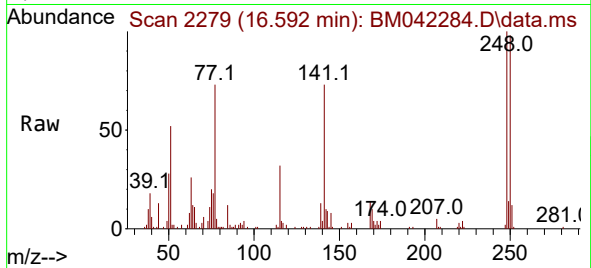
Tgt Ion:169 Resp: 101493
Ion Ratio Lower Upper
169 100
168 69.1 55.8 83.8
167 37.9 29.8 44.8





#68
4-Bromophenyl-phenylether
Concen: 4.310 ng/ul
RT: 16.592 min Scan# 2279
Delta R.T. 0.000 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

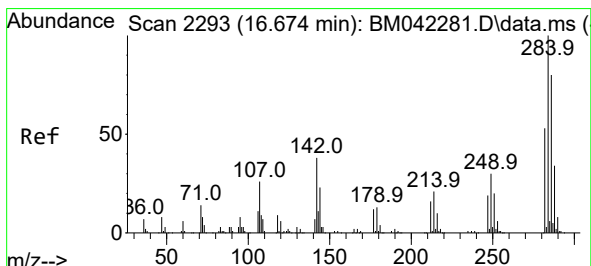
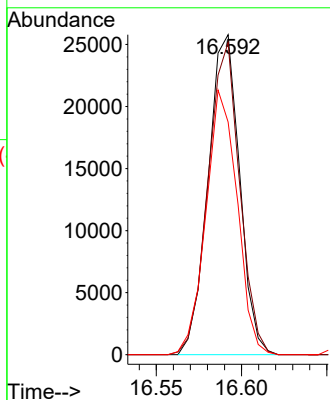
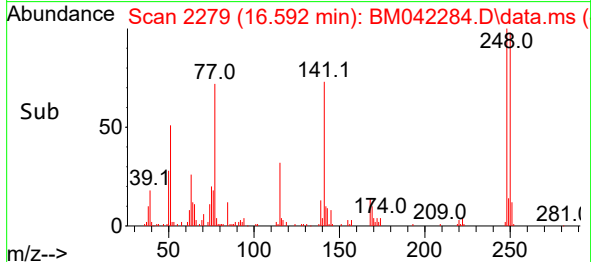
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-03



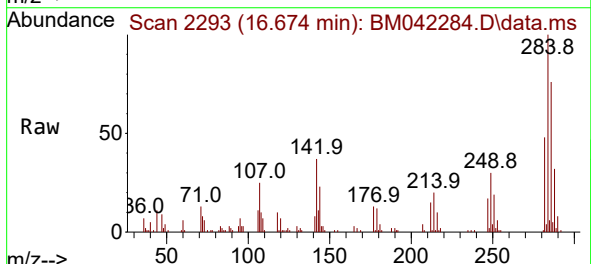
Tgt Ion:248 Resp: 33158
Ion Ratio Lower Upper
248 100
250 97.5 79.4 119.0
141 72.7 66.5 99.7

Manual Integrations
APPROVED

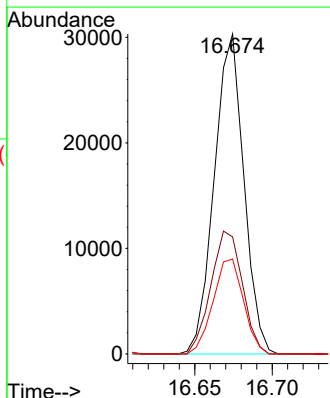
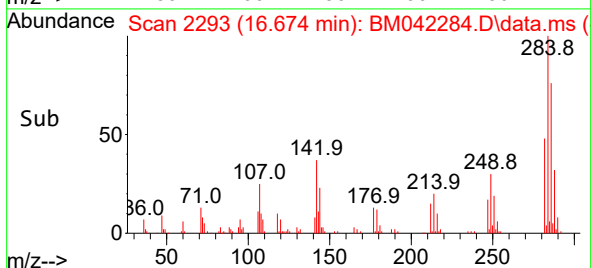
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023

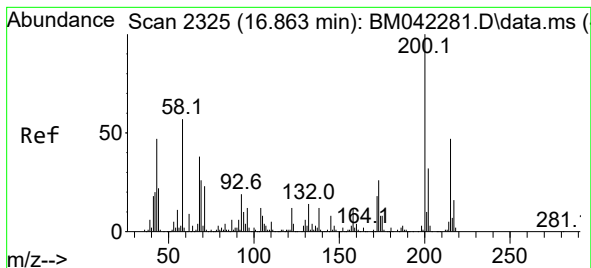


#69
Hexachlorobenzene
Concen: 4.601 ng/ul
RT: 16.674 min Scan# 2293
Delta R.T. 0.000 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20



Tgt Ion:284 Resp: 40245
Ion Ratio Lower Upper
284 100
142 36.6 33.8 50.6
249 29.7 25.4 38.0





#70

Atrazine

Concen: 3.750 ng/ul

RT: 16.857 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM042284.D

Acq: 13 Oct 2023 14:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT2-2023-03

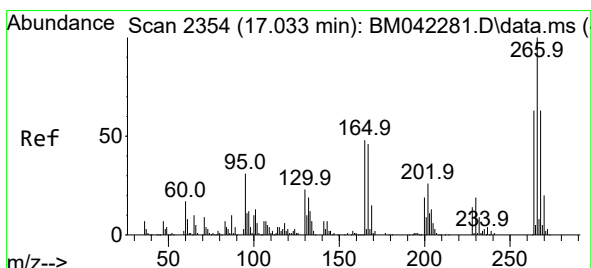
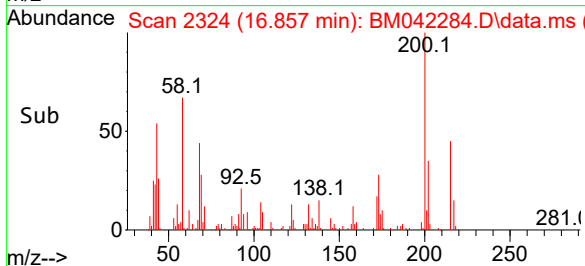
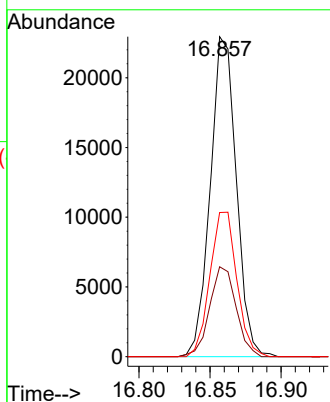
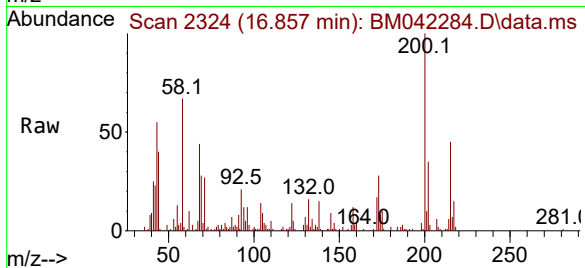
Tgt Ion:200	Resp:	29278
Ion Ratio	Lower	Upper
200	100	
173	28.1	21.0 31.6
215	45.1	36.1 54.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/16/2023

Supervised By :mohammad ahmed 10/17/2023



#71

Pentachlorophenol

Concen: 5.951 ng/ul

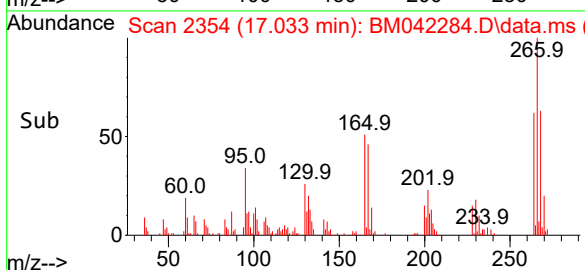
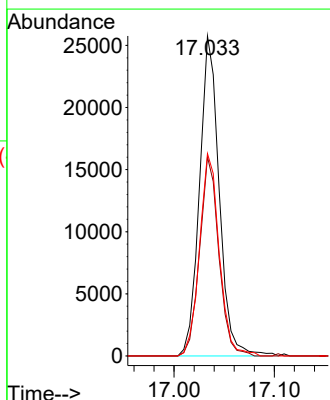
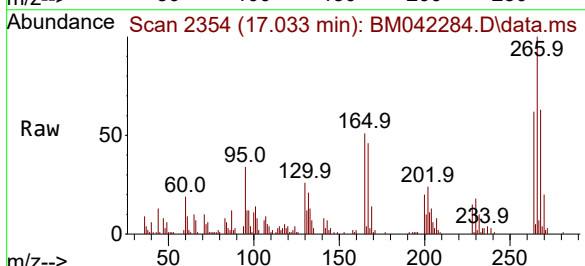
RT: 17.033 min Scan# 2354

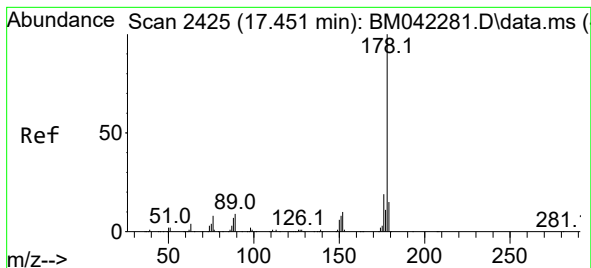
Delta R.T. -0.006 min

Lab File: BM042284.D

Acq: 13 Oct 2023 14:20

Tgt Ion:266	Resp:	35271
Ion Ratio	Lower	Upper
266	100	
264	62.2	51.2 76.8
268	63.3	52.6 78.8





#72

Phenanthrene

Concen: 4.628 ng/ul

RT: 17.451 min Scan# 2425

Delta R.T. 0.000 min

Lab File: BM042284.D

Acq: 13 Oct 2023 14:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT2-2023-03

Tgt Ion:178 Resp: 203040

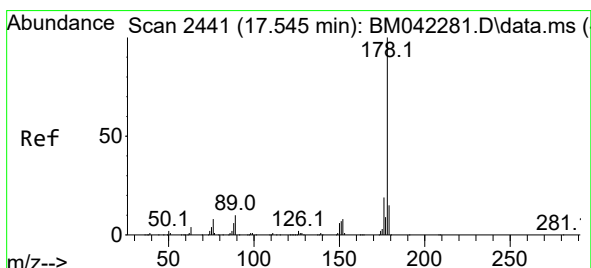
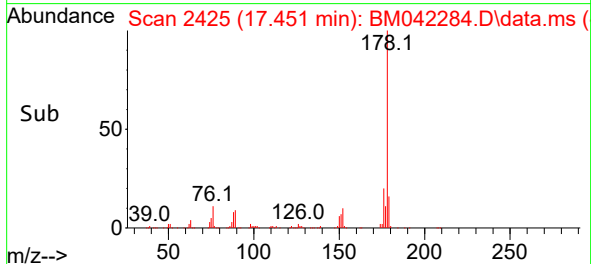
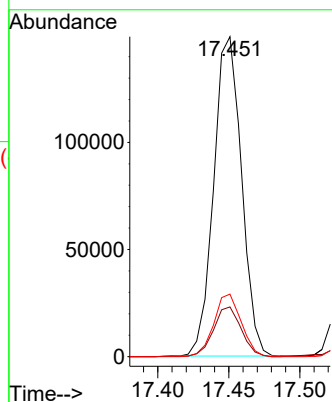
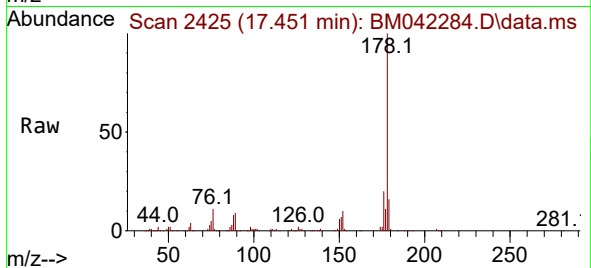
Ion	Ratio	Lower	Upper
178	100		
179	15.5	12.2	18.4
176	19.5	15.8	23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/16/2023

Supervised By :mohammad ahmed 10/17/2023



#74

Anthracene

Concen: 4.556 ng/ul

RT: 17.539 min Scan# 2440

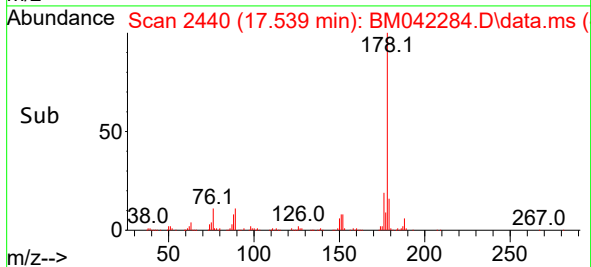
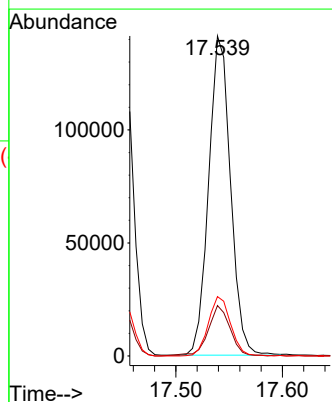
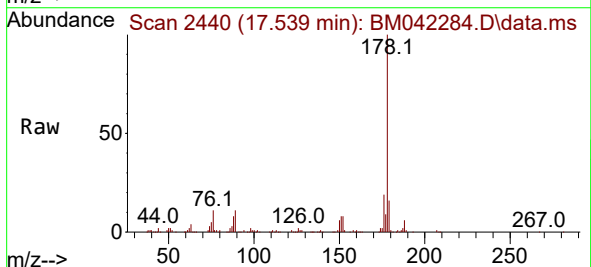
Delta R.T. -0.006 min

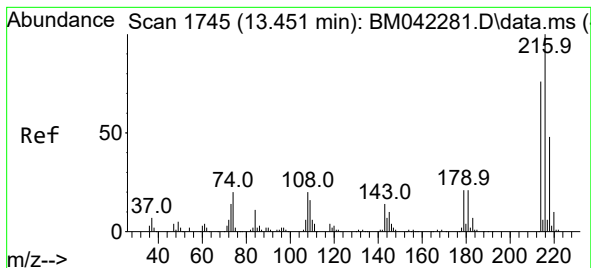
Lab File: BM042284.D

Acq: 13 Oct 2023 14:20

Tgt Ion:178 Resp: 201048

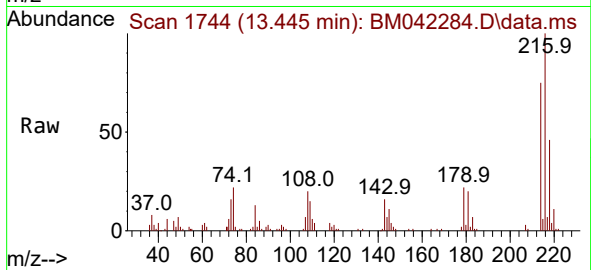
Ion	Ratio	Lower	Upper
178	100		
179	15.8	12.2	18.2
176	18.5	15.0	22.4





#75
1,2,3,4-Tetrachlorobenzene
Concen: 4.293 ng/uL
RT: 13.445 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

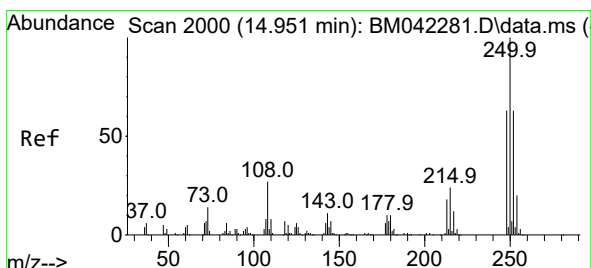
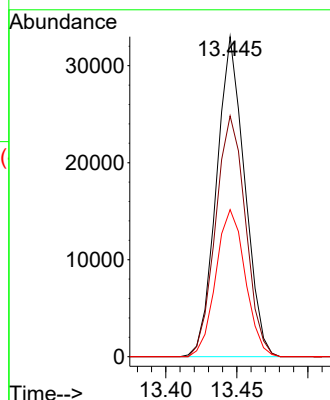
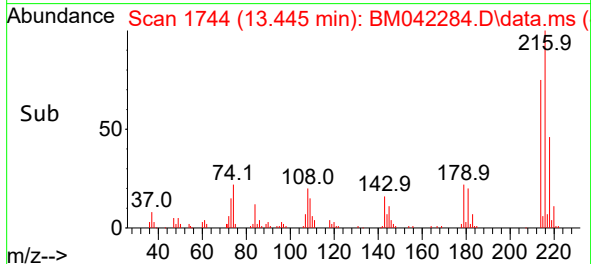
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-03



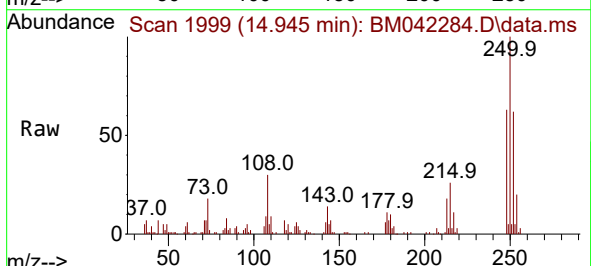
Tgt Ion:216 Resp: 4549
Ion Ratio Lower Upper
216 100
214 75.3 62.0 93.0
218 45.9 38.8 58.2

Manual Integrations
APPROVED

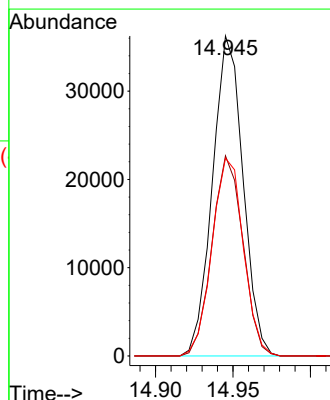
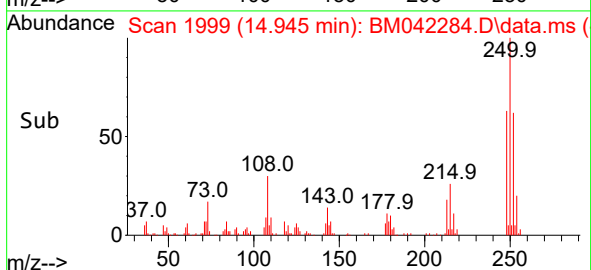
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023

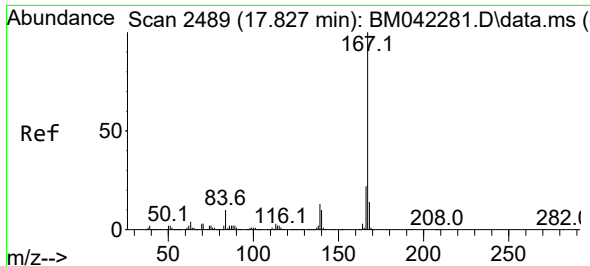


#76
Pentachlorobenzene
Concen: 4.773 ng/uL
RT: 14.945 min Scan# 1999
Delta R.T. -0.006 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20



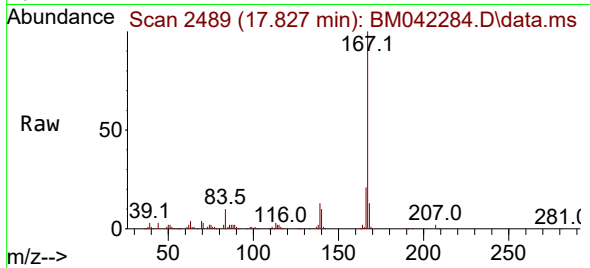
Tgt Ion:250 Resp: 49670
Ion Ratio Lower Upper
250 100
248 62.6 51.1 76.7
252 61.8 52.9 79.3





#77
 Carbazole
 Concen: 4.236 ng/ul
 RT: 17.827 min Scan# 2489
 Delta R.T. 0.000 min
 Lab File: BM042284.D
 Acq: 13 Oct 2023 14:20

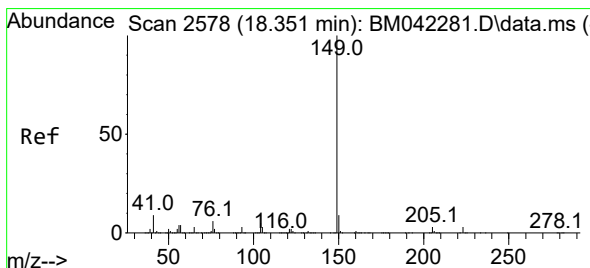
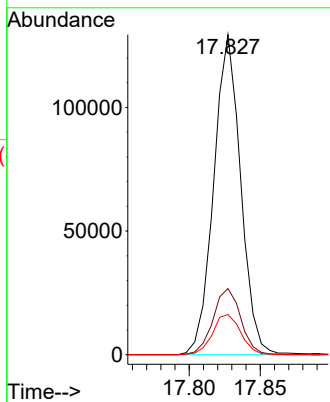
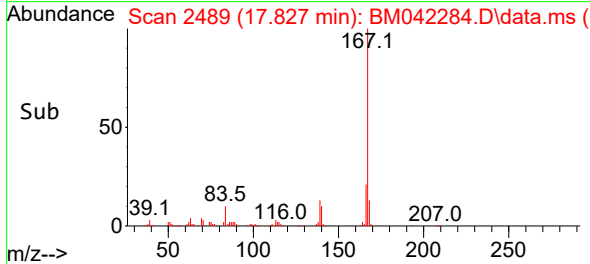
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT2-2023-03



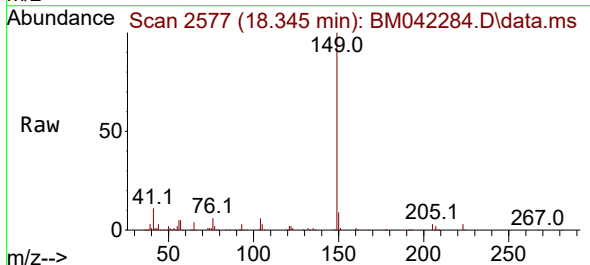
Tgt Ion:167 Resp: 170293
 Ion Ratio Lower Upper
 167 100
 166 20.7 17.4 26.0
 139 12.6 10.6 16.0

Manual Integrations
 APPROVED

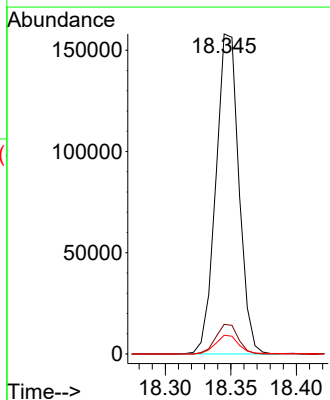
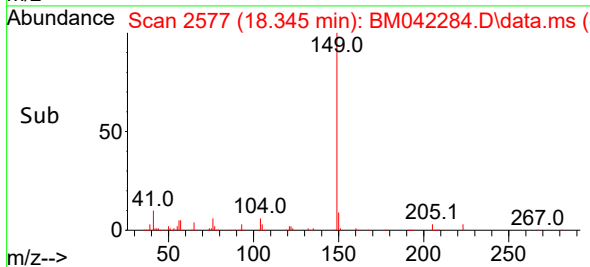
Reviewed By :Yogesh Patel 10/16/2023
 Supervised By :mohammad ahmed 10/17/2023

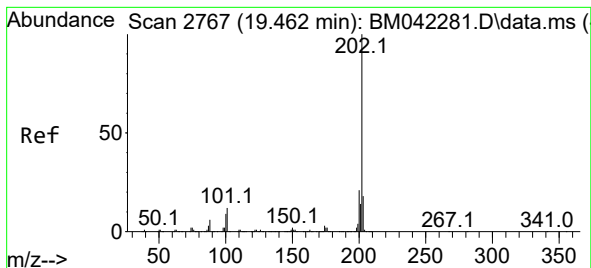


#78
 Di-n-butylphthalate
 Concen: 3.793 ng/ul
 RT: 18.345 min Scan# 2577
 Delta R.T. -0.006 min
 Lab File: BM042284.D
 Acq: 13 Oct 2023 14:20



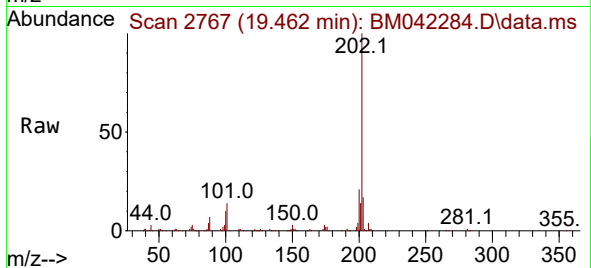
Tgt Ion:149 Resp: 192988
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.2 10.8
 104 5.9 4.6 6.8





#80
Fluoranthene
Concen: 4.417 ng/ul
RT: 19.462 min Scan# 2767
Delta R.T. 0.000 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

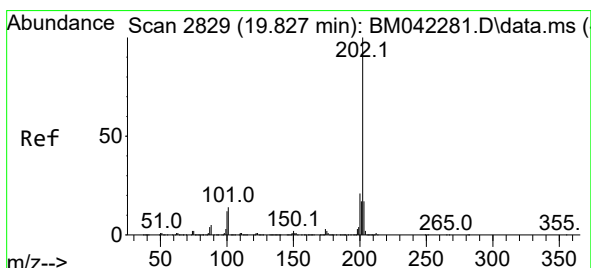
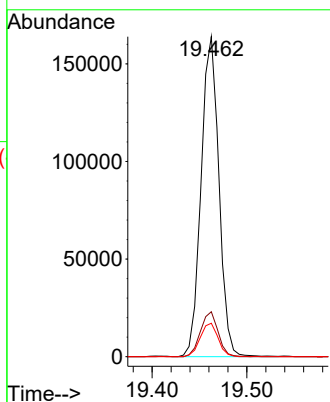
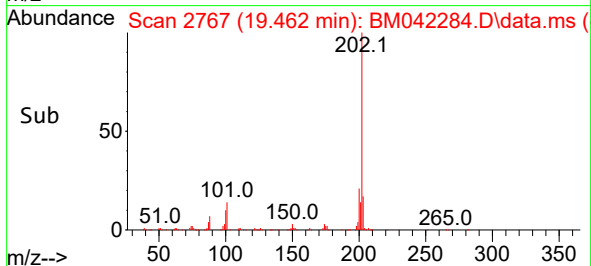
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT2-2023-03



Tgt Ion:202 Resp: 21445
Ion Ratio Lower Upper
202 100
101 14.0 10.8 16.2
100 10.4 8.3 12.5

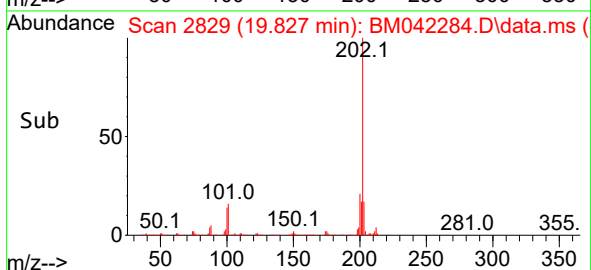
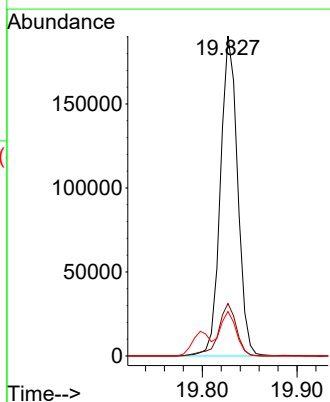
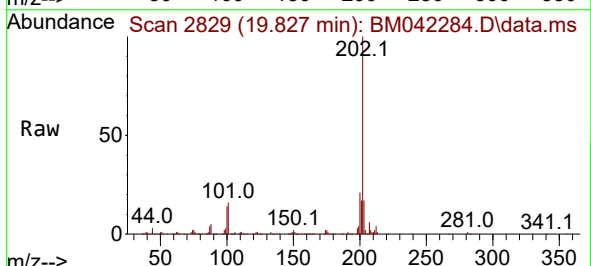
Manual Integrations
APPROVED

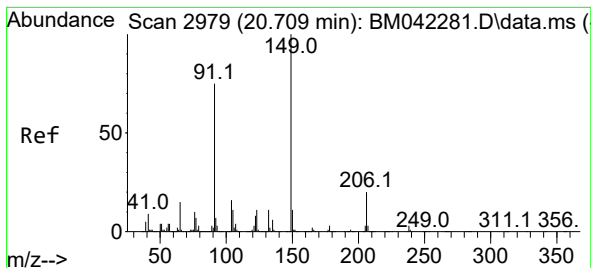
Reviewed By :Yogesh Patel 10/16/2023
Supervised By :mohammad ahmed 10/17/2023



#82
Pyrene
Concen: 4.723 ng/ul
RT: 19.827 min Scan# 2829
Delta R.T. -0.006 min
Lab File: BM042284.D
Acq: 13 Oct 2023 14:20

Tgt Ion:202 Resp: 241058
Ion Ratio Lower Upper
202 100
101 16.4 11.9 17.9
100 13.9 9.9 14.9





#83

Butylbenzylphthalate

Concen: 3.491 ng/ul

RT: 20.709 min Scan# 2979

Delta R.T. 0.000 min

Lab File: BM042284.D

Acq: 13 Oct 2023 14:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT2-2023-03

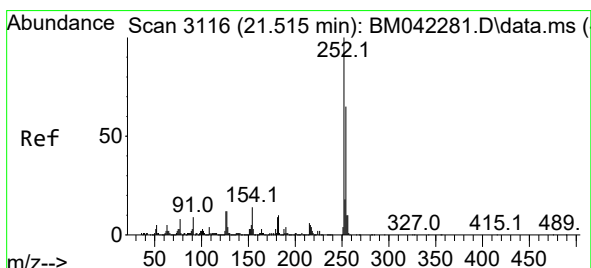
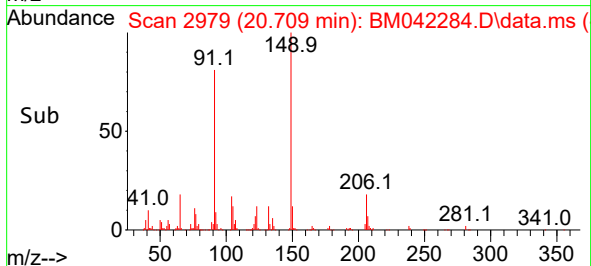
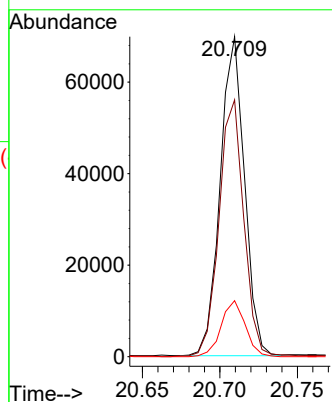
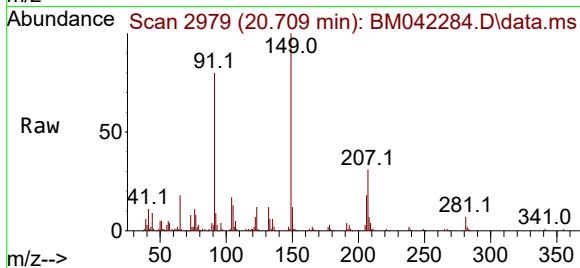
Tgt Ion:	149	Resp:	7595
Ion Ratio	Lower	Upper	
149	100		
91	80.2	67.1	100.7
206	17.5	14.2	21.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/16/2023

Supervised By :mohammad ahmed 10/17/2023



#84

3,3'-Dichlorobenzidine

Concen: 3.483 ng/ul

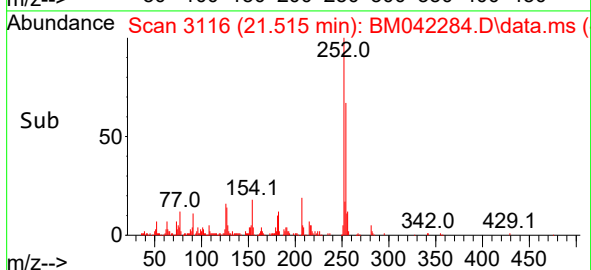
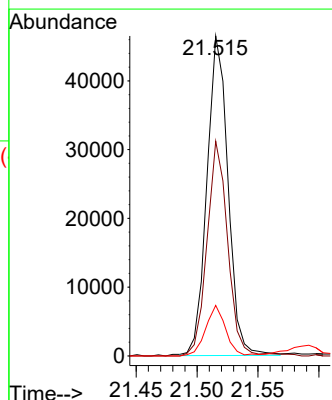
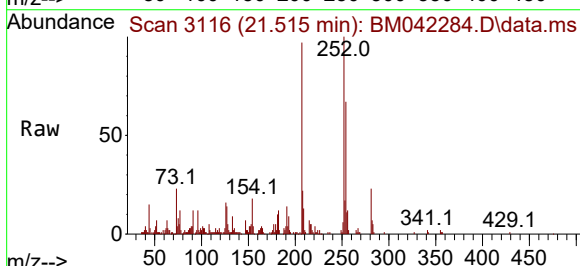
RT: 21.515 min Scan# 3116

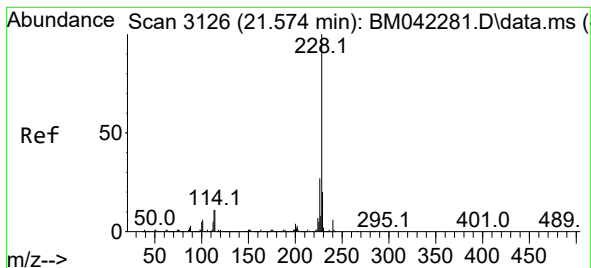
Delta R.T. -0.006 min

Lab File: BM042284.D

Acq: 13 Oct 2023 14:20

Tgt Ion:	252	Resp:	55966
Ion Ratio	Lower	Upper	
252	100		
254	67.1	52.5	78.7
126	15.8	10.4	15.6





#85

Benzo(a)anthracene

Concen: 4.356 ng/ul

RT: 21.574 min Scan# 3126

Delta R.T. -0.006 min

Lab File: BM042284.D

Acq: 13 Oct 2023 14:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT2-2023-03

Tgt Ion:228 Resp: 222274

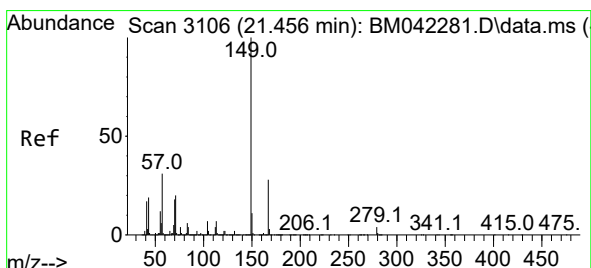
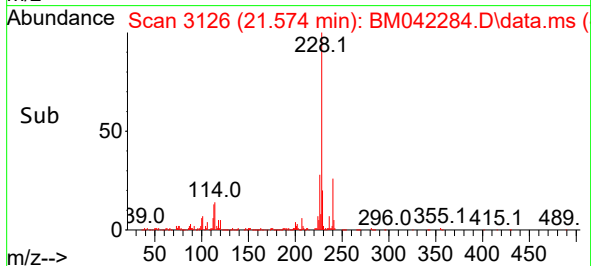
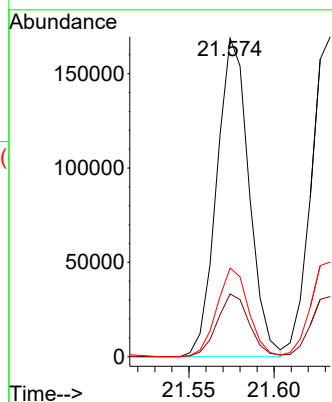
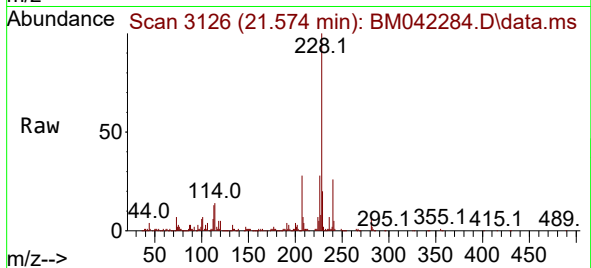
Ion	Ratio	Lower	Upper
228	100		
229	19.7	15.9	23.9
226	27.8	22.2	33.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/16/2023

Supervised By :mohammad ahmed 10/17/2023



#86

Bis(2-ethylhexyl)phthalate

Concen: 3.545 ng/ul

RT: 21.456 min Scan# 3106

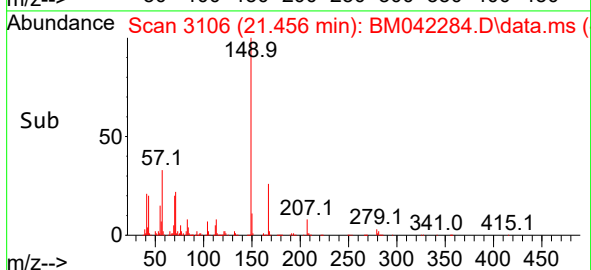
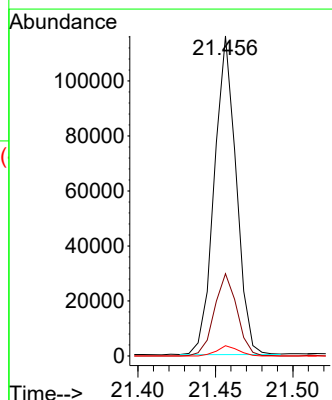
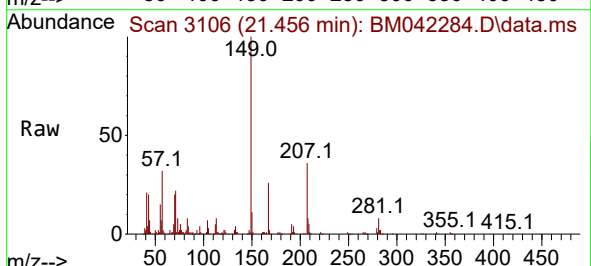
Delta R.T. 0.000 min

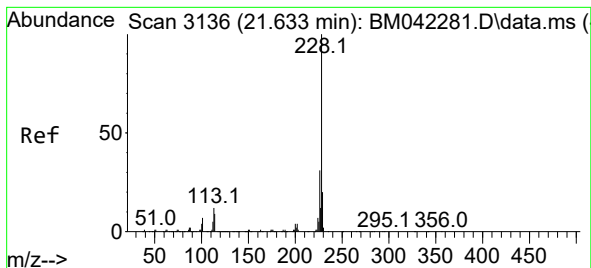
Lab File: BM042284.D

Acq: 13 Oct 2023 14:20

Tgt Ion:149 Resp: 113962

Ion	Ratio	Lower	Upper
149	100		
167	25.7	21.1	31.7
279	3.2	2.4	3.6





#87

Chrysene

Concen: 4.599 ng/ul

RT: 21.633 min Scan# 3136

Delta R.T. 0.000 min

Lab File: BM042284.D

Acq: 13 Oct 2023 14:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT2-2023-03

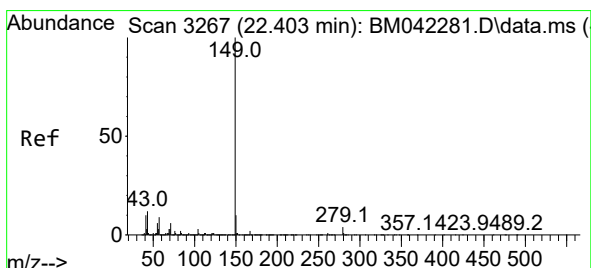
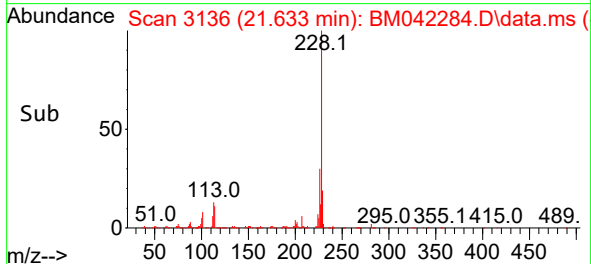
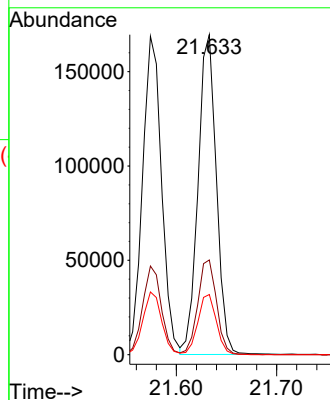
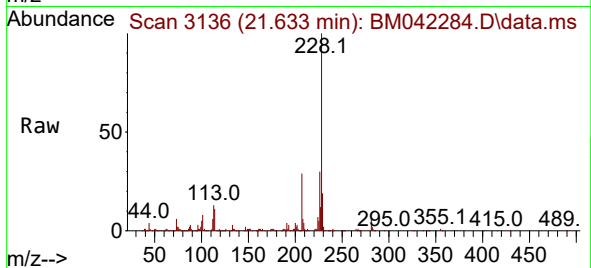
Tgt Ion:228 Resp: 215828
 Ion Ratio Lower Upper
 228 100
 226 29.6 24.4 36.6
 229 18.8 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/16/2023

Supervised By :mohammad ahmed 10/17/2023



#89

Di-n-octyl phthalate

Concen: 3.269 ng/ul

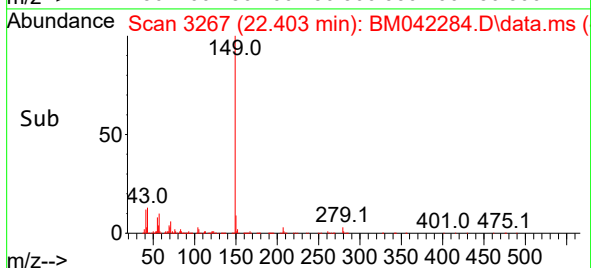
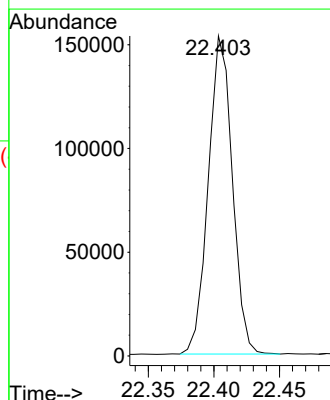
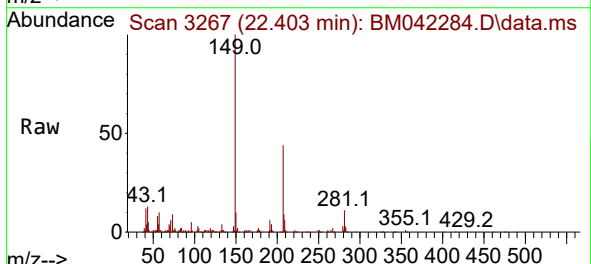
RT: 22.403 min Scan# 3267

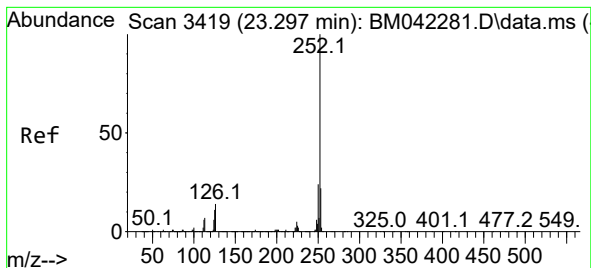
Delta R.T. -0.006 min

Lab File: BM042284.D

Acq: 13 Oct 2023 14:20

Tgt Ion:149 Resp: 195570





#90

Benzo(b)fluoranthene

Concen: 4.285 ng/ul

RT: 23.303 min Scan# 3419

Delta R.T. -0.006 min

Lab File: BM042284.D

Acq: 13 Oct 2023 14:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT2-2023-03

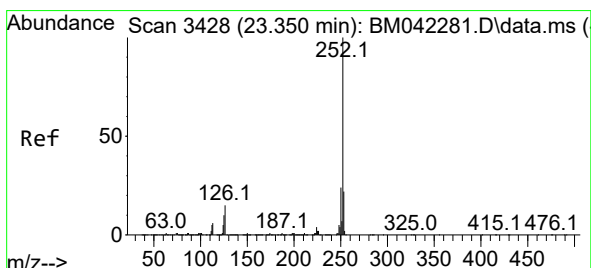
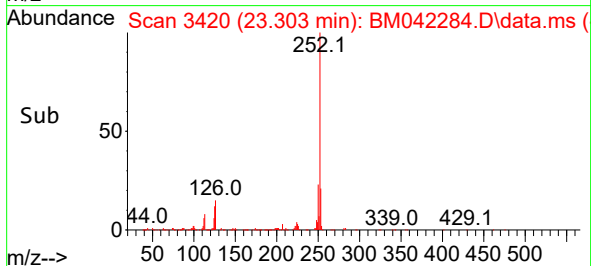
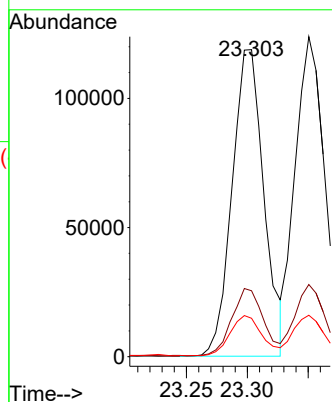
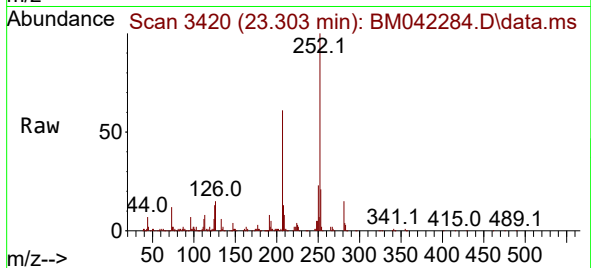
Tgt Ion:	252	Resp:	21565
Ion Ratio	Lower	Upper	
252	100		
253	21.5	17.4	26.0
125	12.5	9.4	14.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/16/2023

Supervised By :mohammad ahmed 10/17/2023



#91

Benzo(k)fluoranthene

Concen: 4.254 ng/ul

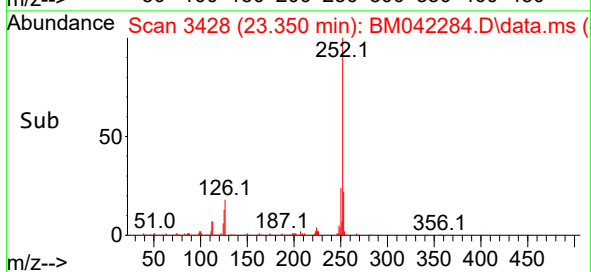
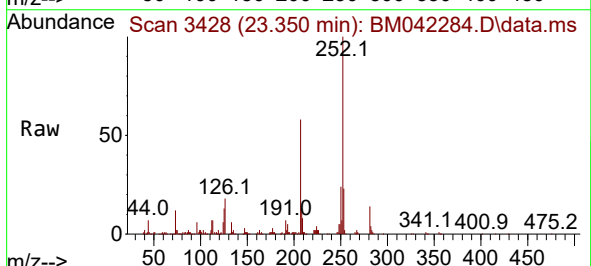
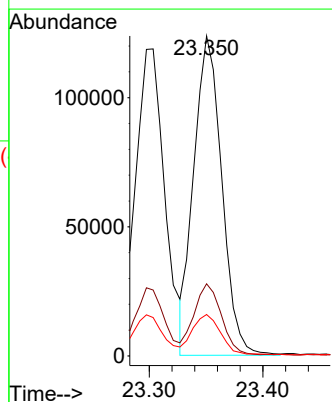
RT: 23.350 min Scan# 3428

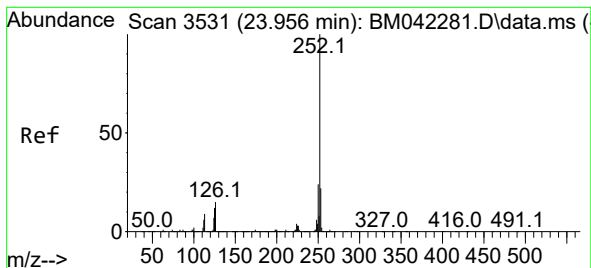
Delta R.T. -0.006 min

Lab File: BM042284.D

Acq: 13 Oct 2023 14:20

Tgt Ion:	252	Resp:	211756
Ion Ratio	Lower	Upper	
252	100		
253	22.6	17.7	26.5
125	12.9	9.8	14.6





#93

Benzo(a)pyrene

Concen: 4.498 ng/ul

RT: 23.956 min Scan# 3531

Delta R.T. -0.006 min

Lab File: BM042284.D

Acq: 13 Oct 2023 14:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT2-2023-03

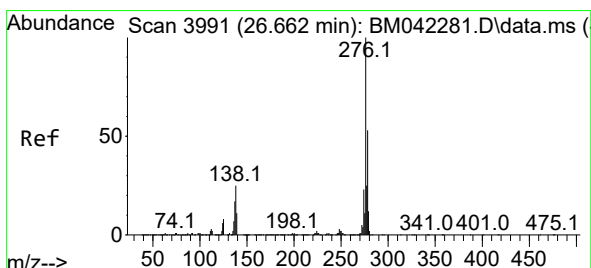
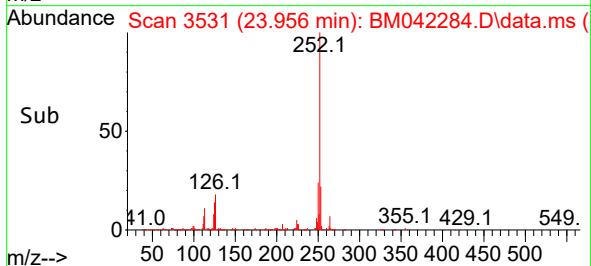
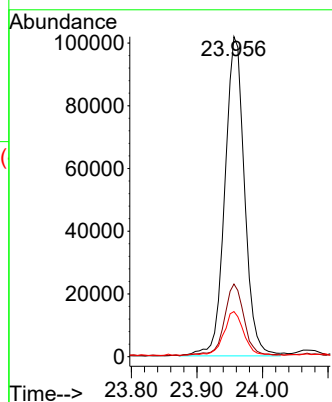
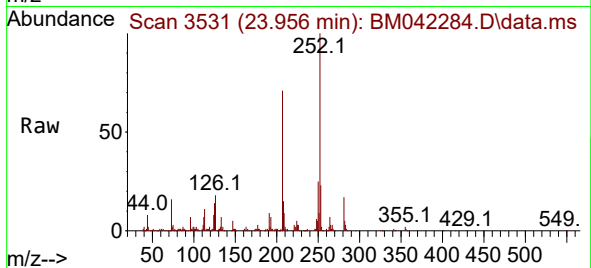
Tgt Ion:	252	Resp:	211820
Ion Ratio	Lower	Upper	
252	100		
253	22.7	17.3	25.9
125	14.1	10.8	16.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/16/2023

Supervised By :mohammad ahmed 10/17/2023



#94

Indeno(1,2,3-cd)pyrene

Concen: 4.133 ng/ul

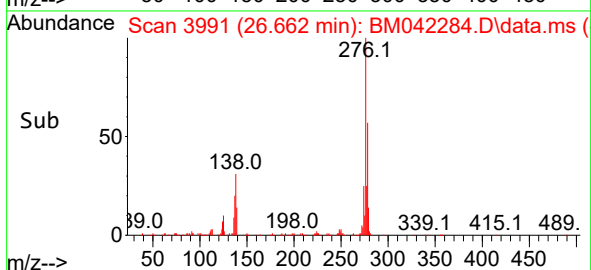
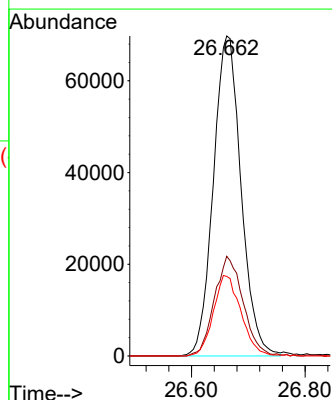
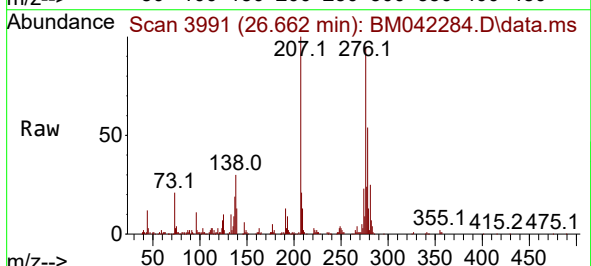
RT: 26.662 min Scan# 3991

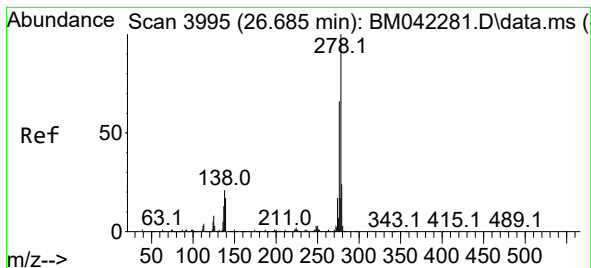
Delta R.T. -0.012 min

Lab File: BM042284.D

Acq: 13 Oct 2023 14:20

Tgt Ion:	276	Resp:	236421
Ion Ratio	Lower	Upper	
276	100		
138	31.1	22.8	34.2
277	24.9	20.0	30.0





#95

Dibenzo(a,h)anthracene

Concen: 4.154 ng/ul

RT: 26.680 min Scan# 3995

Delta R.T. -0.012 min

Lab File: BM042284.D

Acq: 13 Oct 2023 14:20

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT2-2023-03

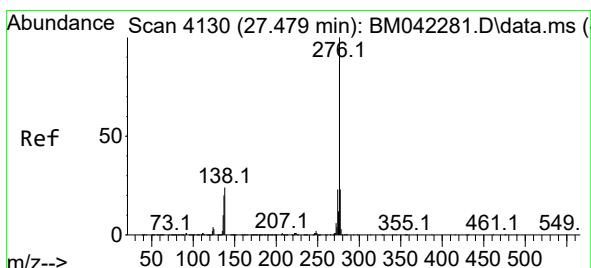
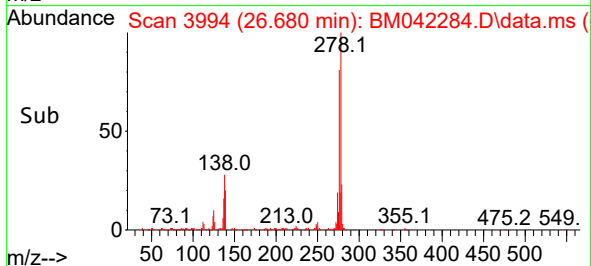
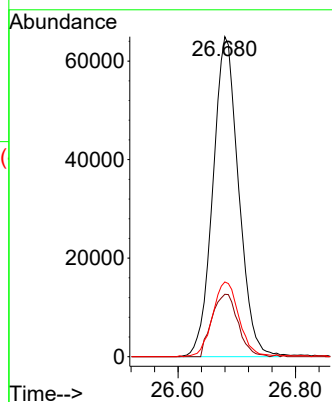
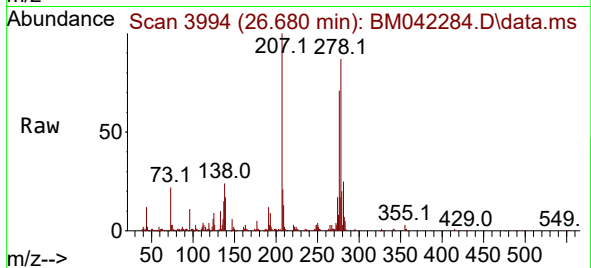
Tgt Ion:	278	Resp:	19711
Ion Ratio	Lower	Upper	
278	100		
139	19.5	15.8	23.8
279	23.3	19.1	28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/16/2023

Supervised By :mohammad ahmed 10/17/2023



#96

Benzo(g,h,i)perylene

Concen: 4.251 ng/ul

RT: 27.474 min Scan# 4129

Delta R.T. -0.017 min

Lab File: BM042284.D

Acq: 13 Oct 2023 14:20

Tgt Ion:	276	Resp:	190220
Ion Ratio	Lower	Upper	
276	100		
138	26.1	22.1	33.1
277	23.4	19.4	29.0

