

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM101723\
 Data File : BM042323.D
 Acq On : 17 Oct 2023 16:33
 Operator : MA/JU
 Sample : 03573-04
 Misc : SFAM-MDL-SOIL-02
 ALS Vial : 9 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT3-2023-06

Quant Time: Oct 18 02:01:22 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 10/18/2023
 Supervised By :mohammad ahmed 10/19/2023

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	8.010	152	126948	20.000	ng/u1	0.00
20) Naphthalene-d8	10.834	136	569981	20.000	ng/u1	0.00
38) Acenaphthene-d10	14.651	164	342446	20.000	ng/u1	0.00
64) Phenanthrene-d10	17.404	188	736937	20.000	ng/u1	0.00
79) Chrysene-d12	21.586	240	708750	20.000	ng/u1	-0.01
88) Perylene-d12	24.062	264	745267	20.000	ng/u1	-0.01
System Monitoring Compounds						
3) 1,4-Dioxane-d8	3.369	96	28186	6.937	ng/uL	0.00
4) Pyridine-d5	3.799	84	370482	30.789	ng/u1	0.00
7) Phenol-d5	7.157	99	400417	28.461	ng/u1	0.00
9) Bis-(2-Chloroethyl)eth...	7.346	67	278547	29.301	ng/u1	0.00
11) 2-Chlorophenol-d4	7.528	132	278044	28.729	ng/u1	0.00
15) 4-Methylphenol-d8	8.716	113	301096	27.024	ng/u1	0.00
21) Nitrobenzene-d5	9.204	128	139977	28.916	ng/u1	0.00
24) 2-Nitrophenol-d4	9.922	143	148358	28.670	ng/u1	0.00
28) 2,4-Dichlorophenol-d3	10.440	165	255624	27.069	ng/u1	0.00
31) 4-Chloroaniline-d4	10.992	131	403893	27.164	ng/u1	0.00
46) Dimethylphthalate-d6	14.069	166	835318	28.139	ng/u1	0.00
49) Acenaphthylene-d8	14.357	160	962678	29.630	ng/u1	0.00
54) 4-Nitrophenol-d4	14.863	143	162202	27.166	ng/u1	-0.01
60) Fluorene-d10	15.645	176	720681	29.533	ng/u1	0.00
65) 4,6-Dinitro-2-methylph...	15.769	200	117247	22.712	ng/u1	0.00
73) Anthracene-d10	17.504	188	1092659	28.944	ng/u1	0.00
81) Pyrene-d10	19.798	212	1290915	29.885	ng/u1	0.00
92) Benzo(a)pyrene-d12	23.898	264	1280845	31.311	ng/u1	-0.02
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.405	88	5654	1.270	ng/uL	97
5) Pyridine	3.822	79	59120	4.746	ng/u1#	65
6) Benzaldehyde	7.169	77	46481	6.463	ng/u1	95
8) Phenol	7.181	94	64102	4.512	ng/u1	98
10) Bis(2-Chloroethyl)ether	7.446	93	54933	4.656	ng/u1	95
12) 2-Chlorophenol	7.563	128	46150	4.565	ng/u1	97
13) 2-Methylphenol	8.446	108	41518	3.915	ng/u1	95
14) 2,2'-oxybis(1-Chloropr...	8.522	45	94710m	4.708	ng/u1	
16) Acetophenone	8.857	105	79581	4.601	ng/u1	98
17) N-Nitroso-di-n-propyla...	8.822	70	44094	4.307	ng/u1	96
18) 4-Methylphenol	8.781	108	48317	4.134	ng/u1	99
19) Hexachloroethane	9.075	117	18884	4.428	ng/u1	92
22) Nitrobenzene	9.246	77	65970	4.818	ng/u1	96
23) Isophorone	9.757	82	111323	4.193	ng/u1	99
25) 2-Nitrophenol	9.951	139	24850	4.388	ng/u1	96
26) 2,4-Dimethylphenol	9.987	107	47686	3.962	ng/u1	97
27) Bis(2-Chloroethoxy)met...	10.245	93	76450	4.605	ng/u1	99
29) 2,4-Dichlorophenol	10.469	162	41033	4.449	ng/u1	93
30) Naphthalene	10.881	128	155786	4.663	ng/u1	100
32) 4-Chloroaniline	11.016	127	66141	4.602	ng/u1	100
33) Hexachlorobutadiene	11.110	225	24298	4.564	ng/u1	100
34) Caprolactam	11.845	113	21760	6.462	ng/u1	94
35) 4-Chloro-3-methylphenol	12.110	107	46092	4.057	ng/u1	98
36) 2-Methylnaphthalene	12.486	142	103676	4.533	ng/u1	100

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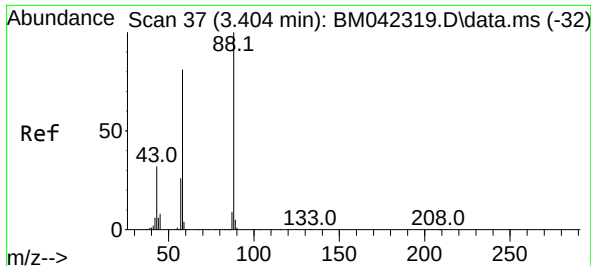
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Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/18/2023
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
37) 1-Methylnaphthalene	12.704	142	106349	4.601	ng/ul	99
39) 1,2,4,5-Tetrachloroben...	12.834	216	48389	4.488	ng/ul	98
40) Hexachlorocyclopentadiene	12.781	237	33383	4.784	ng/ul	97
41) 2,4,6-Trichlorophenol	13.086	196	28785	3.993	ng/ul	93
42) 2,4,5-Trichlorophenol	13.157	196	31557	4.077	ng/ul	100
43) 1,1'-Biphenyl	13.492	154	136757	4.659	ng/ul	96
44) 2-Chloronaphthalene	13.539	162	106663	4.741	ng/ul	100
45) 2-Nitroaniline	13.775	65	30042	3.714	ng/ul	98
47) Dimethylphthalate	14.116	163	136124	4.608	ng/ul	99
48) 2,6-Dinitrotoluene	14.257	165	19159	3.583	ng/ul	95
50) Acenaphthylene	14.380	152	177627	4.734	ng/ul	99
51) 3-Nitroaniline	14.598	138	22251	3.530	ng/ul	95
52) Acenaphthene	14.716	153	118266	4.692	ng/ul	98
53) 2,4-Dinitrophenol	14.798	184	26136	7.221	ng/ul	95
55) 4-Nitrophenol	14.880	109	20879	4.311	ng/ul	98
56) Dibenzofuran	15.051	168	160181	4.730	ng/ul	100
57) 2,4-Dinitrotoluene	15.039	165	31592	4.007	ng/ul#	95
58) 2,3,4,6-Tetrachlorophenol	15.269	232	25463	3.920	ng/ul	99
59) Diethylphthalate	15.463	149	134054	4.446	ng/ul	98
61) Fluorene	15.698	166	133251	4.745	ng/ul	100
62) 4-Chlorophenyl-phenyle...	15.692	204	62110	4.580	ng/ul	99
63) 4-Nitroaniline	15.757	138	25237	4.477	ng/ul#	73
66) 4,6-Dinitro-2-methylph...	15.786	198	21438	3.971	ng/ul#	86
67) N-Nitrosodiphenylamine	15.916	169	104762	4.468	ng/ul	99
68) 4-Bromophenyl-phenylether	16.586	248	33494	4.226	ng/ul	98
69) Hexachlorobenzene	16.669	284	40065	4.446	ng/ul	99
70) Atrazine	16.857	200	31119	3.868	ng/ul	97
71) Pentachlorophenol	17.033	266	34667	5.677	ng/ul	95
72) Phenanthrene	17.445	178	205806	4.553	ng/ul	99
74) Anthracene	17.539	178	204507	4.498	ng/ul	100
75) 1,2,3,4-Tetrachloroben...	13.445	216	47223	4.325	ng/uL	95
76) Pentachlorobenzene	14.945	250	50513	4.711	ng/uL	96
77) Carbazole	17.821	167	179785	4.341	ng/ul	99
78) Di-n-butylphthalate	18.345	149	208069	3.969	ng/ul	99
80) Fluoranthene	19.457	202	218093	4.264	ng/ul	97
82) Pyrene	19.827	202	246759	4.588	ng/ul	97
83) Butylbenzylphthalate	20.704	149	85138	3.714	ng/ul	97
84) 3,3'-Dichlorobenzidine	21.509	252	63243	3.736	ng/ul	97
85) Benzo(a)anthracene	21.568	228	231591	4.307	ng/ul	99
86) Bis(2-ethylhexyl)phtha...	21.451	149	135491	4.000	ng/ul	99
87) Chrysene	21.621	228	218679	4.423	ng/ul	98
89) Di-n-octyl phthalate	22.398	149	225348	3.743	ng/ul	100
90) Benzo(b)fluoranthene	23.292	252	216814	4.281	ng/ul	96
91) Benzo(k)fluoranthene	23.339	252	221895m	4.430	ng/ul	
93) Benzo(a)pyrene	23.950	252	205236	4.331	ng/ul	98
94) Indeno(1,2,3-cd)pyrene	26.650	276	238278	4.140	ng/ul	96
95) Dibenzo(a,h)anthracene	26.668	278	198245	4.152	ng/ul	98
96) Benzo(g,h,i)perylene	27.456	276	185522	4.121	ng/ul	98

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



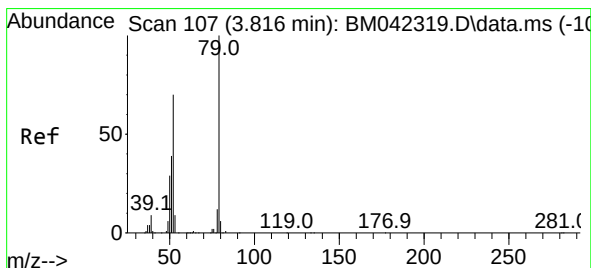
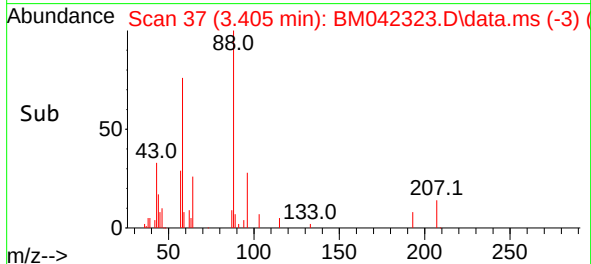
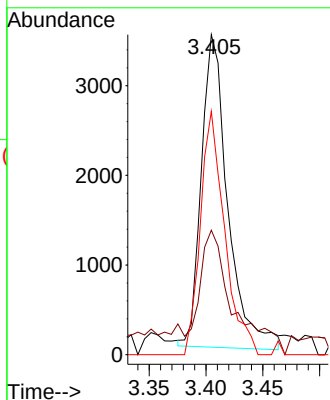
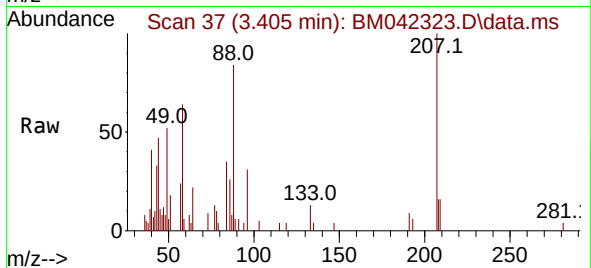
#2
1,4-Dioxane
Concen: 1.270 ng/uL
RT: 3.405 min Scan# 31
Delta R.T. 0.000 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

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BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06

Tgt Ion: 88 Resp: 5654
Ion Ratio Lower Upper
88 100
43 38.9 27.5 41.3
58 76.1 61.8 92.8

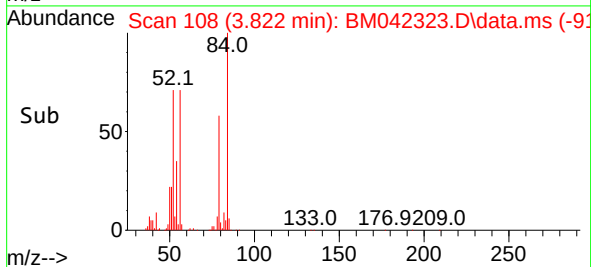
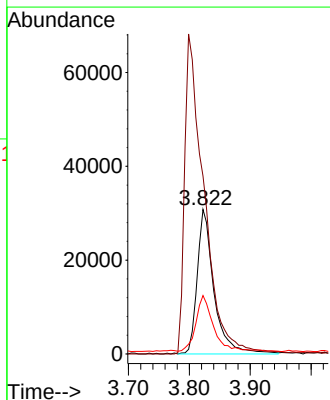
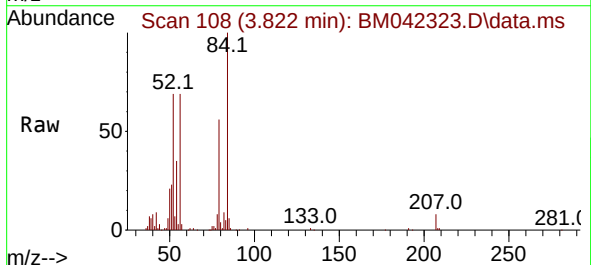
Manual Integrations
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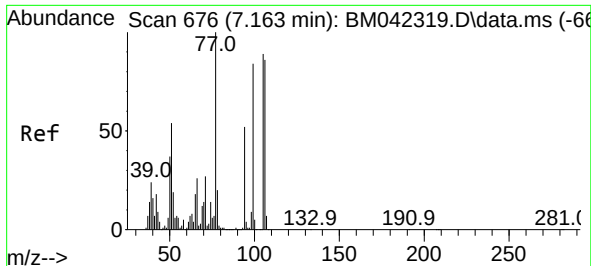
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/19/2023



#5
Pyridine
Concen: 4.746 ng/uL
RT: 3.822 min Scan# 108
Delta R.T. 0.000 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

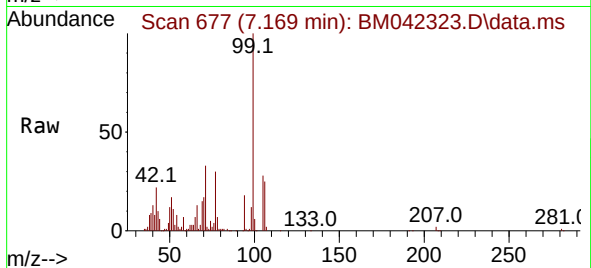
Tgt Ion: 79 Resp: 59120
Ion Ratio Lower Upper
79 100
52 123.2 63.8 95.6#
51 40.4 30.2 45.2





#6
Benzaldehyde
Concen: 6.463 ng/u1
RT: 7.169 min Scan# 677
Delta R.T. 0.000 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

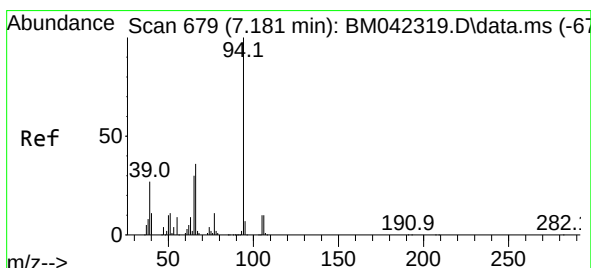
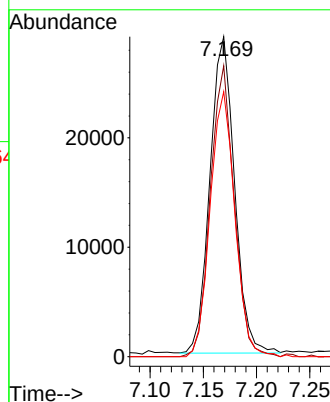
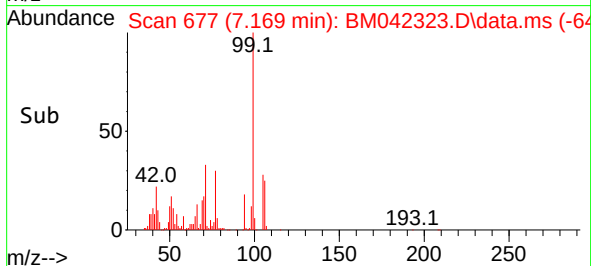
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion: 77 Resp: 4648
Ion Ratio Lower Upper
77 100
105 90.9 70.6 105.8
106 82.8 71.6 107.4

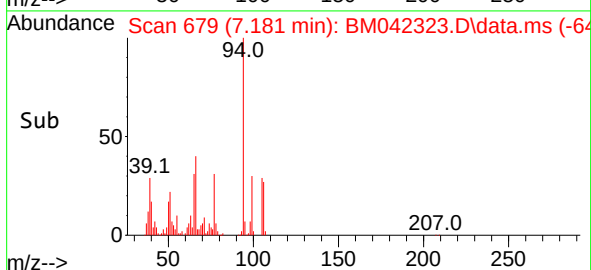
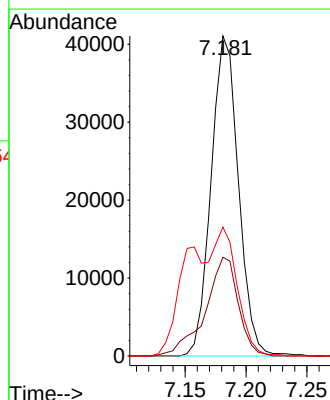
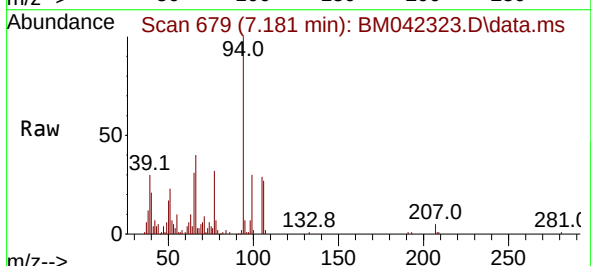
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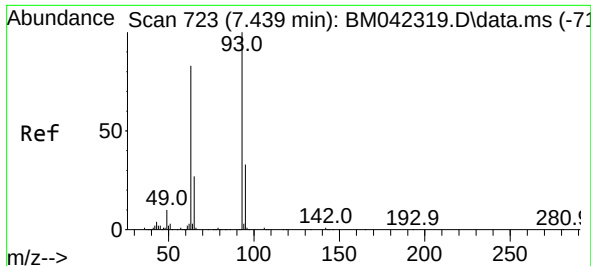
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/19/2023



#8
Phenol
Concen: 4.512 ng/u1
RT: 7.181 min Scan# 679
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

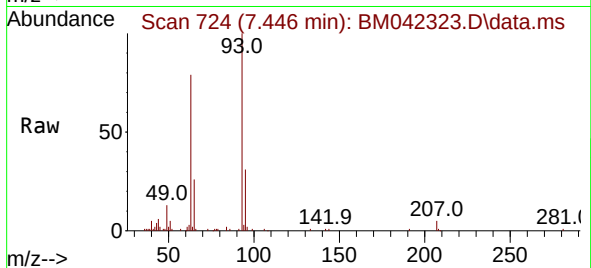
Tgt Ion: 94 Resp: 64102
Ion Ratio Lower Upper
94 100
65 30.9 24.1 36.1
66 40.2 30.7 46.1





#10
Bis(2-Chloroethyl)ether
Concen: 4.656 ng/ul
RT: 7.446 min Scan# 723
Delta R.T. 0.000 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

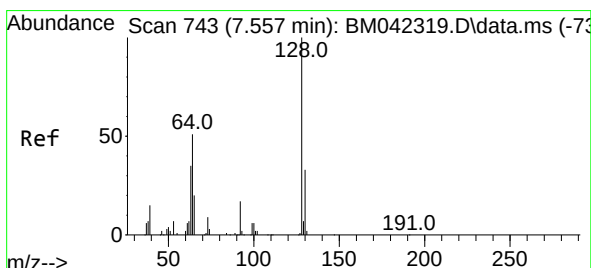
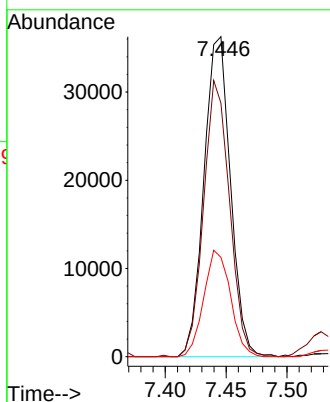
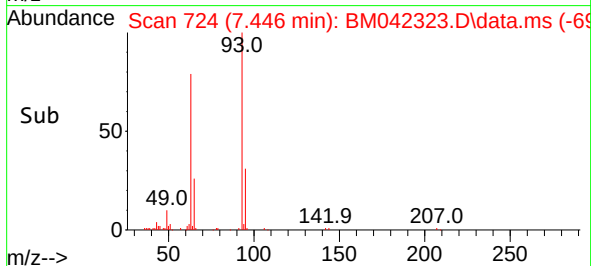
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion: 93 Resp: 5493
Ion Ratio Lower Upper
93 100
63 79.3 67.3 100.9
95 31.1 26.7 40.1

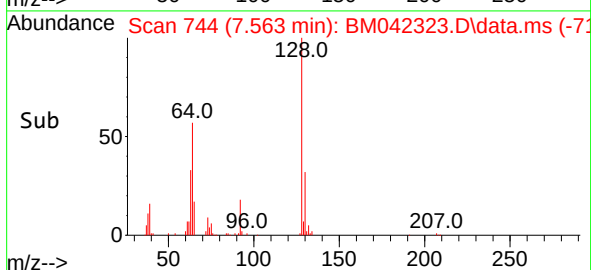
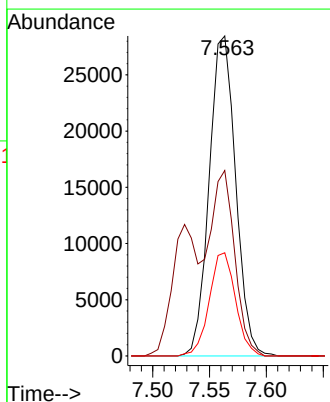
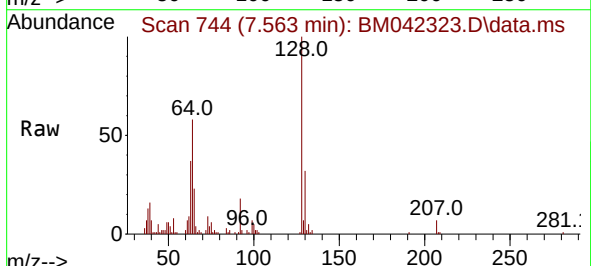
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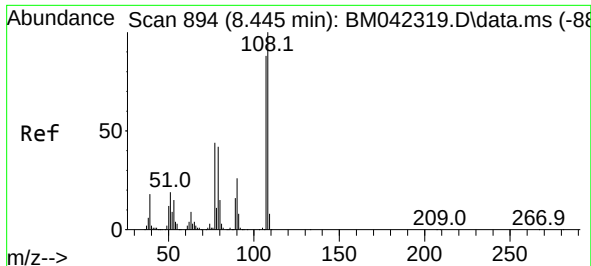
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/19/2023



#12
2-Chlorophenol
Concen: 4.565 ng/ul
RT: 7.563 min Scan# 744
Delta R.T. 0.000 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

Tgt Ion:128 Resp: 46150
Ion Ratio Lower Upper
128 100
64 58.0 43.8 65.6
130 32.3 25.9 38.9





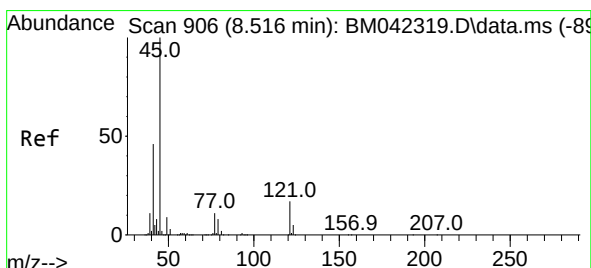
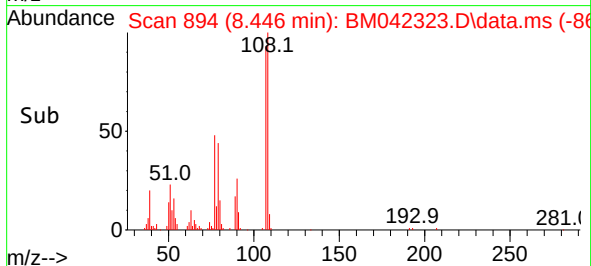
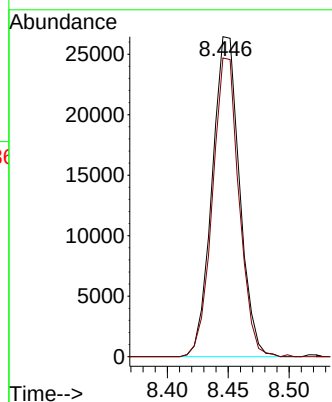
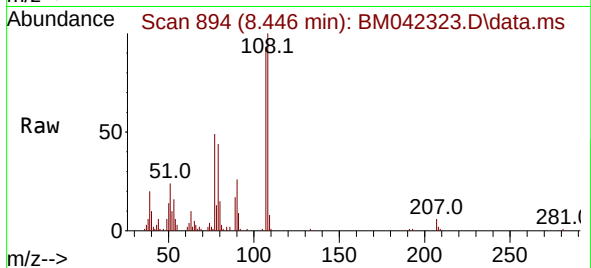
#13
2-Methylphenol
Concen: 3.915 ng/ul
RT: 8.446 min Scan# 894
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

Instrument :
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MDL-SOIL-QT3-2023-06

Tgt Ion:108 Resp: 41518
Ion Ratio Lower Upper
108 100
107 93.4 70.6 106.0

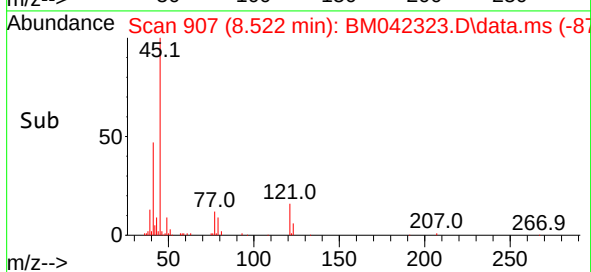
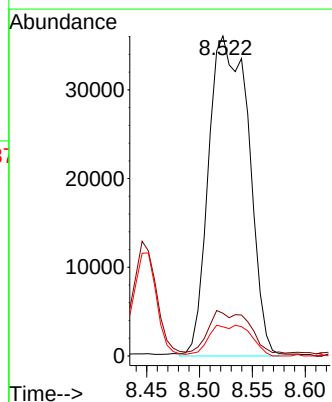
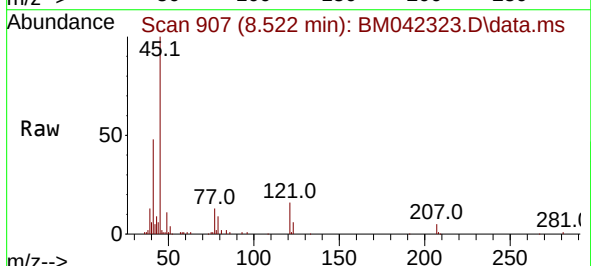
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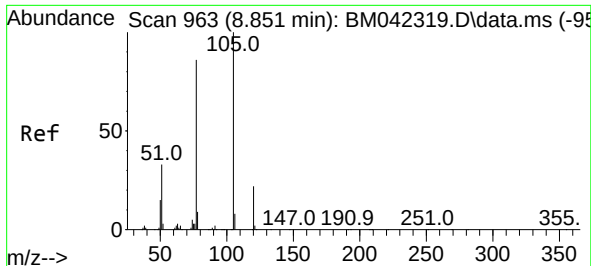
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/19/2023



#14
2,2'-oxybis(1-Chloropropane)
Concen: 4.708 ng/ul m
RT: 8.522 min Scan# 907
Delta R.T. 0.000 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

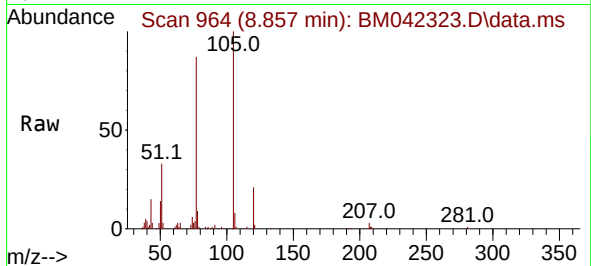
Tgt Ion: 45 Resp: 94710
Ion Ratio Lower Upper
45 100
77 13.3 10.5 15.7
79 9.1 7.3 10.9





#16
Acetophenone
Concen: 4.601 ng/ul
RT: 8.857 min Scan# 964
Delta R.T. 0.000 min
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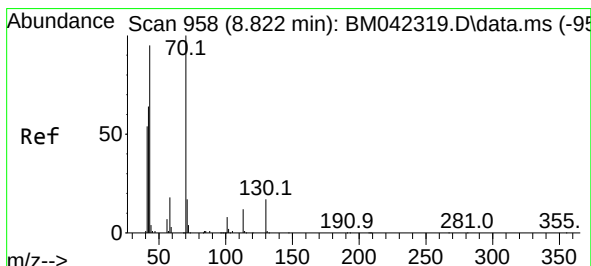
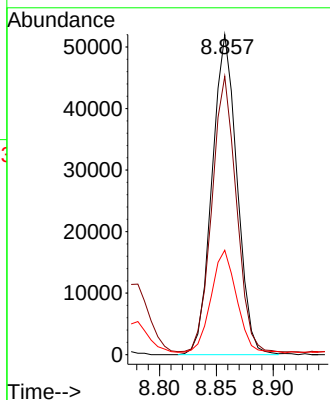
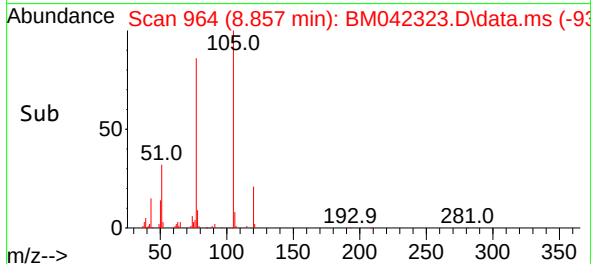
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BNA_M
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Tgt Ion:105 Resp: 7958
Ion Ratio Lower Upper
105 100
77 87.0 67.8 101.8
51 32.7 26.9 40.3

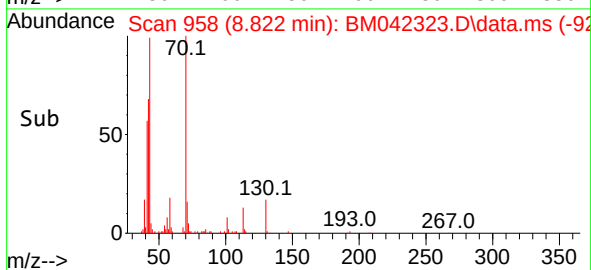
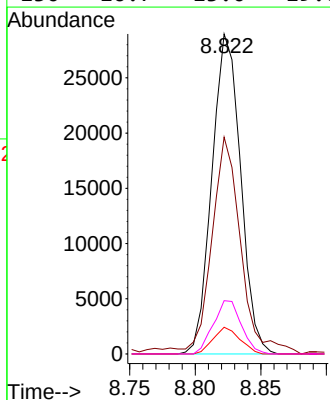
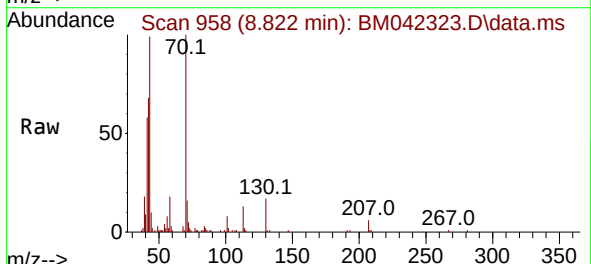
Manual Integrations
APPROVED

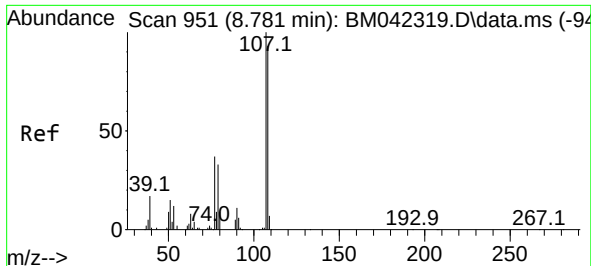
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/19/2023



#17
N-Nitroso-di-n-propylamine
Concen: 4.307 ng/ul
RT: 8.822 min Scan# 958
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

Tgt Ion: 70 Resp: 44094
Ion Ratio Lower Upper
70 100
42 67.8 51.0 76.4
101 8.4 6.7 10.1
130 16.7 13.0 19.6





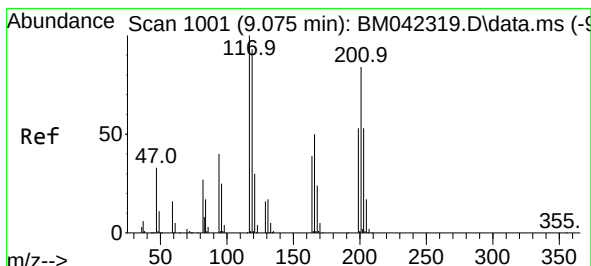
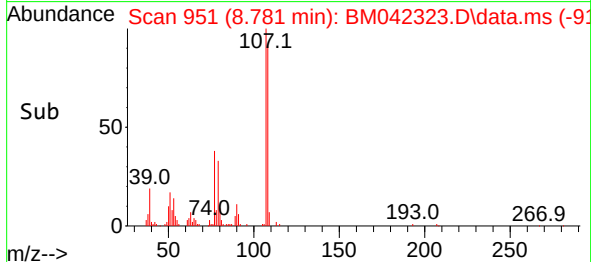
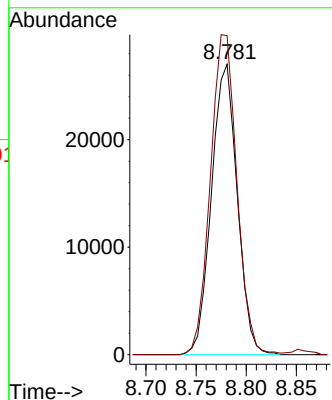
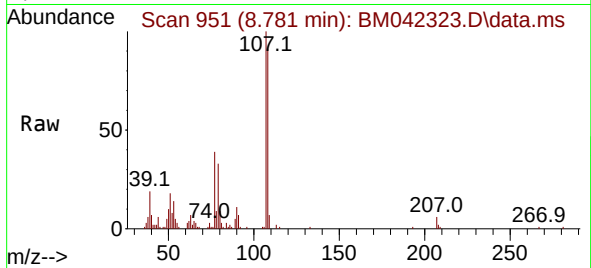
#18
4-Methylphenol
Concen: 4.134 ng/ul
RT: 8.781 min Scan# 951
Delta R.T. 0.000 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06

Tgt Ion:108 Resp: 4831
Ion Ratio Lower Upper
108 100
107 109.9 89.0 133.6

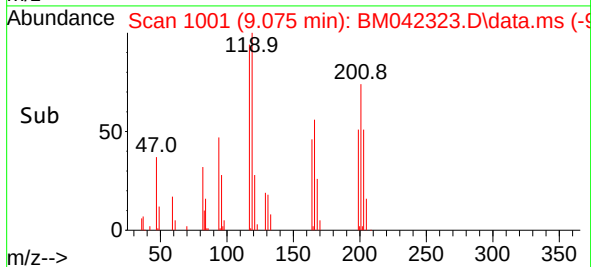
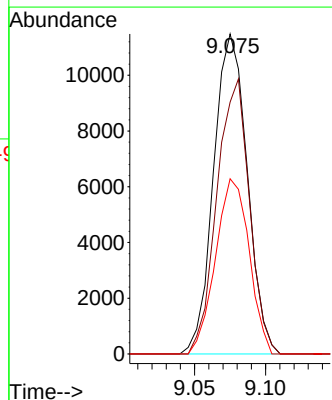
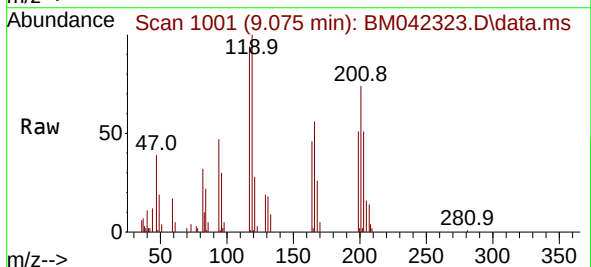
Manual Integrations
APPROVED

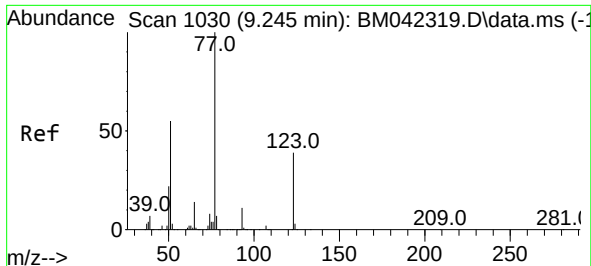
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/19/2023



#19
Hexachloroethane
Concen: 4.428 ng/ul
RT: 9.075 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

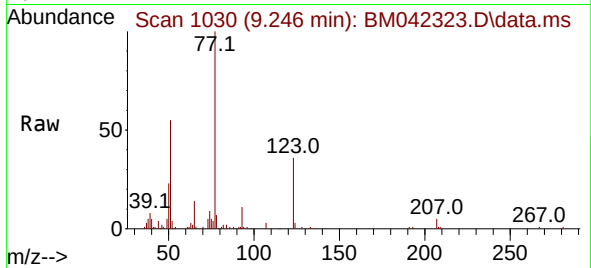
Tgt Ion:117 Resp: 18884
Ion Ratio Lower Upper
117 100
201 78.7 69.8 104.8
199 54.8 40.8 61.2





#22
Nitrobenzene
Concen: 4.818 ng/ul
RT: 9.246 min Scan# 1030
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

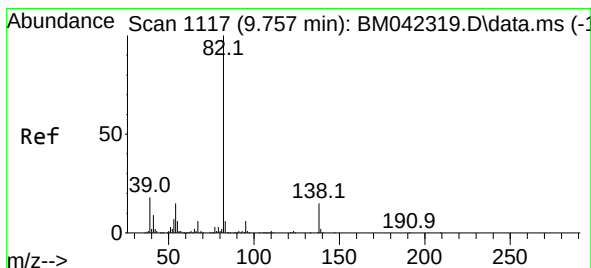
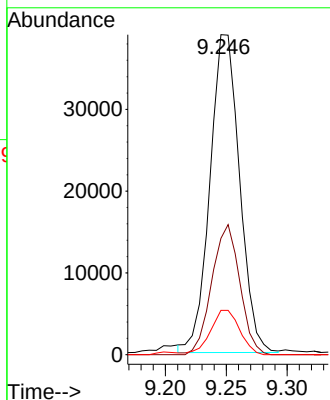
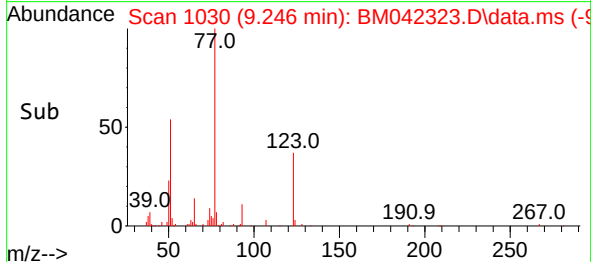
Instrument : BNA_M
ClientSampleId : MDL-SOIL-QT3-2023-06



Tgt Ion: 77 Resp: 65970
Ion Ratio Lower Upper
77 100
123 36.4 31.3 46.9
65 13.9 10.7 16.1

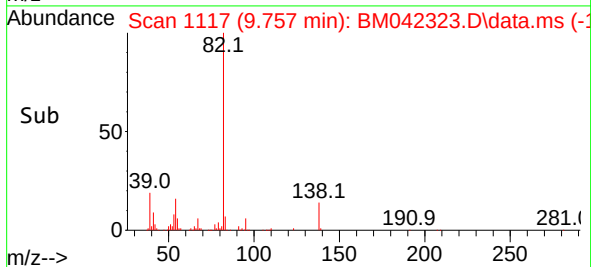
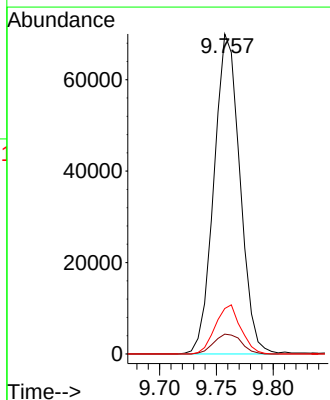
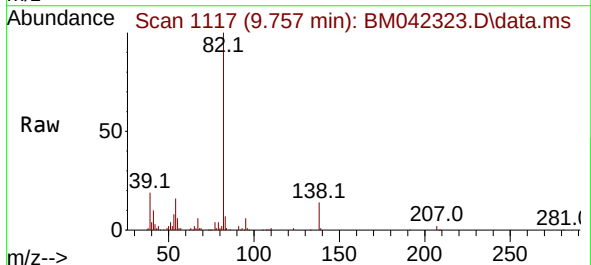
Manual Integrations
APPROVED

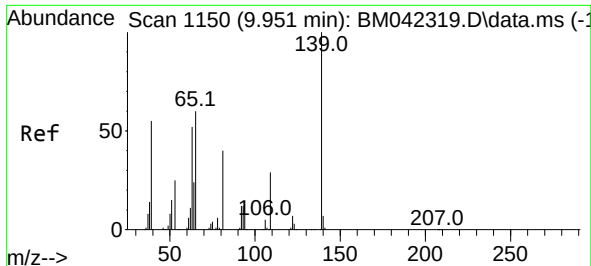
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/19/2023



#23
Isophorone
Concen: 4.193 ng/ul
RT: 9.757 min Scan# 1117
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

Tgt Ion: 82 Resp: 111323
Ion Ratio Lower Upper
82 100
95 6.2 5.0 7.4
138 14.2 11.8 17.6





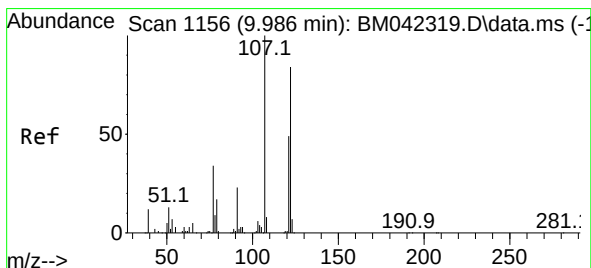
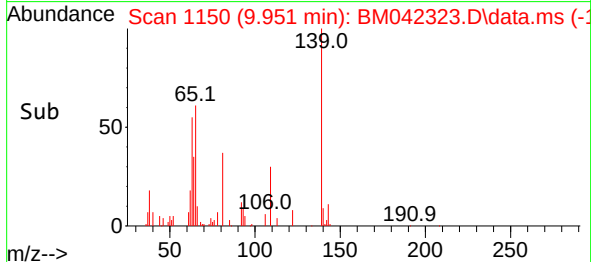
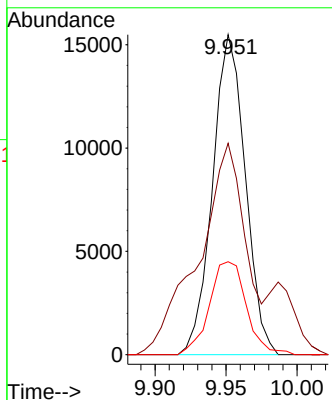
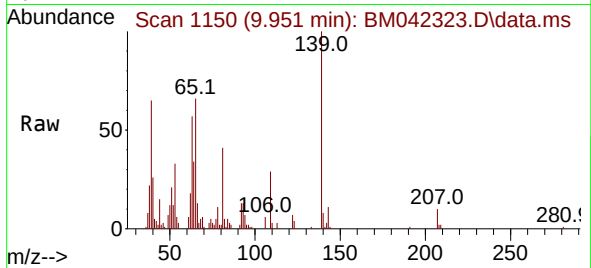
#25
2-Nitrophenol
Concen: 4.388 ng/ul
RT: 9.951 min Scan# 1150
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06

Tgt Ion:139 Resp: 24850
Ion Ratio Lower Upper
139 100
65 66.0 49.4 74.2
109 29.0 24.0 36.0

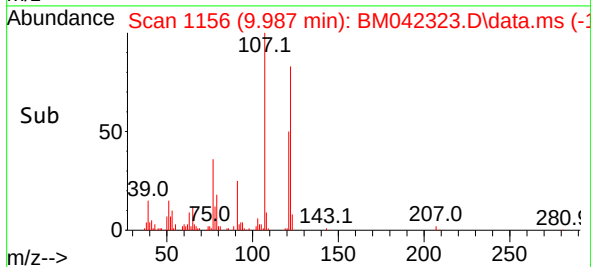
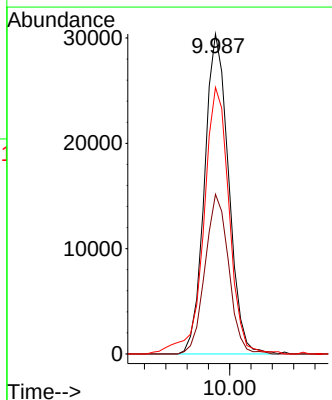
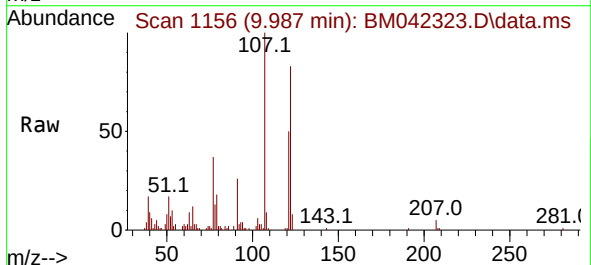
Manual Integrations
APPROVED

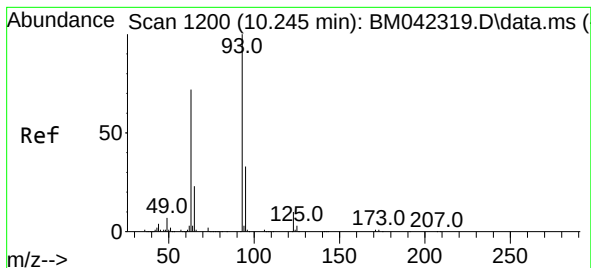
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/19/2023



#26
2,4-Dimethylphenol
Concen: 3.962 ng/ul
RT: 9.987 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

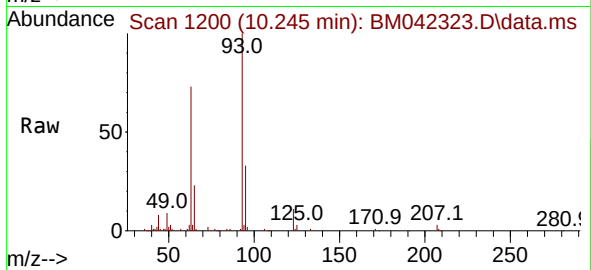
Tgt Ion:107 Resp: 47686
Ion Ratio Lower Upper
107 100
121 49.9 38.4 57.6
122 83.3 68.6 102.8





#27
 Bis(2-Chloroethoxy)methane
 Concen: 4.605 ng/ul
 RT: 10.245 min Scan# 1200
 Delta R.T. -0.006 min
 Lab File: BM042323.D
 Acq: 17 Oct 2023 16:33

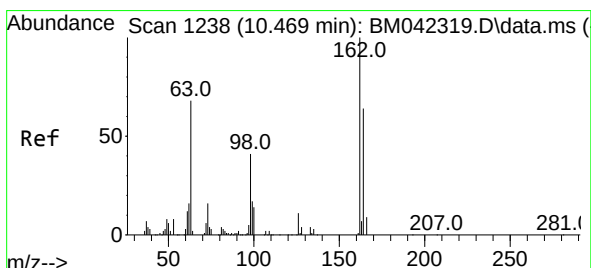
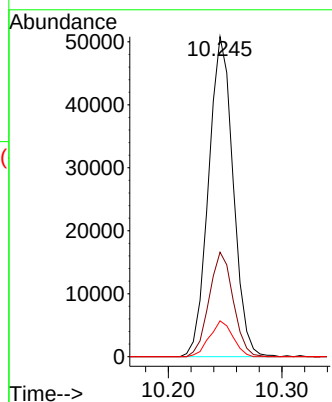
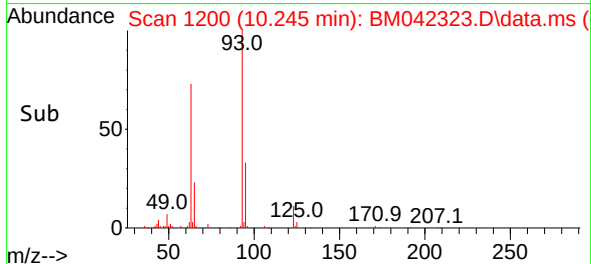
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT3-2023-06



Tgt Ion: 93 Resp: 76450
 Ion Ratio Lower Upper
 93 100
 95 32.6 26.1 39.1
 123 11.2 8.1 12.1

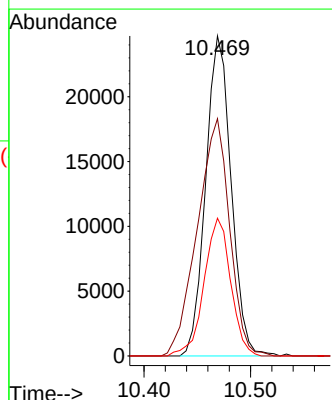
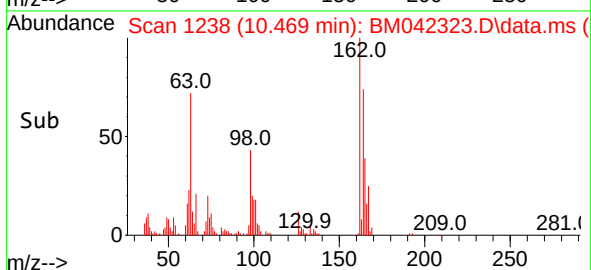
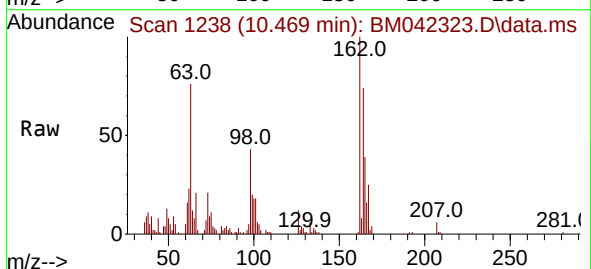
Manual Integrations
 APPROVED

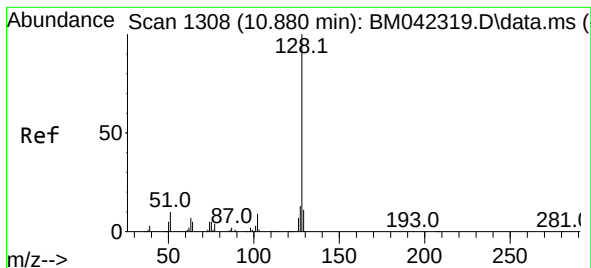
Reviewed By :Yogesh Patel 10/18/2023
 Supervised By :mohammad ahmed 10/19/2023



#29
 2,4-Dichlorophenol
 Concen: 4.449 ng/ul
 RT: 10.469 min Scan# 1238
 Delta R.T. -0.006 min
 Lab File: BM042323.D
 Acq: 17 Oct 2023 16:33

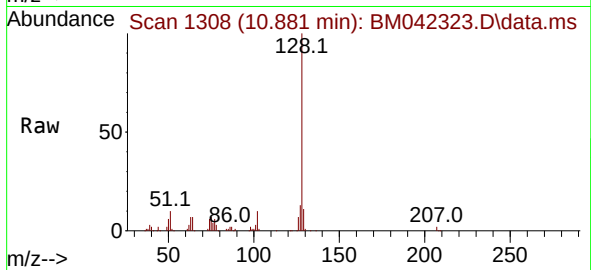
Tgt Ion:162 Resp: 41033
 Ion Ratio Lower Upper
 162 100
 164 74.1 52.4 78.6
 98 43.1 34.6 52.0





#30
Naphthalene
Concen: 4.663 ng/ul
RT: 10.881 min Scan# 1308
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

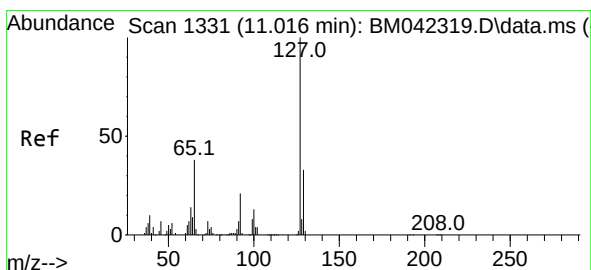
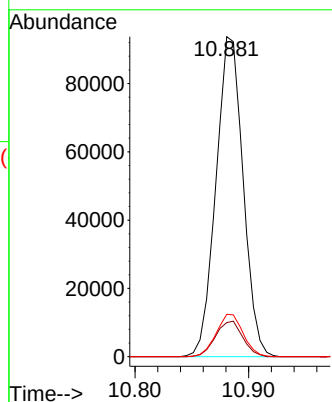
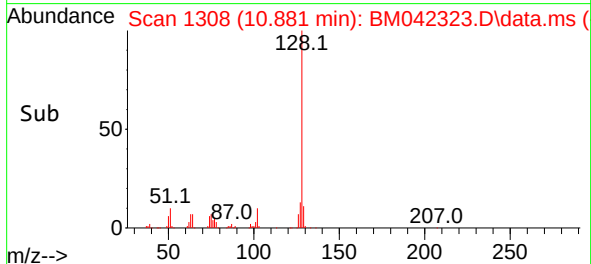
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion:128 Resp: 155780
Ion Ratio Lower Upper
128 100
129 10.7 8.6 12.8
127 13.3 10.4 15.6

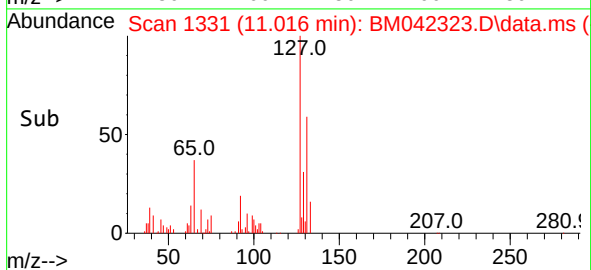
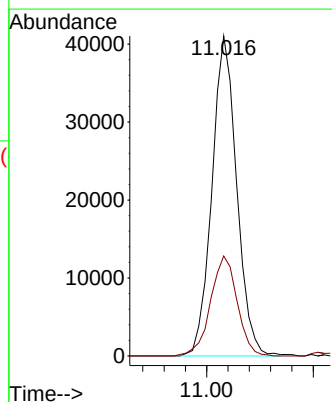
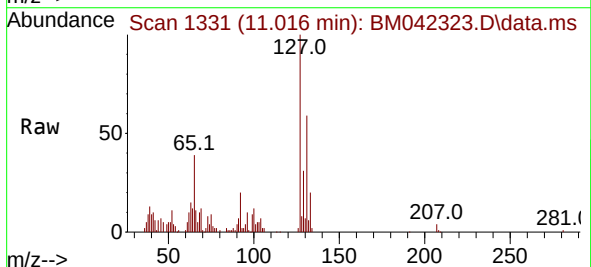
Manual Integrations
APPROVED

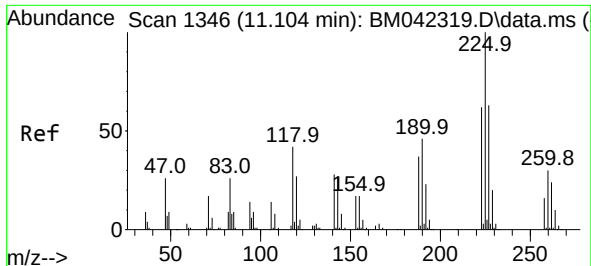
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/19/2023



#32
4-Chloroaniline
Concen: 4.602 ng/ul
RT: 11.016 min Scan# 1331
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

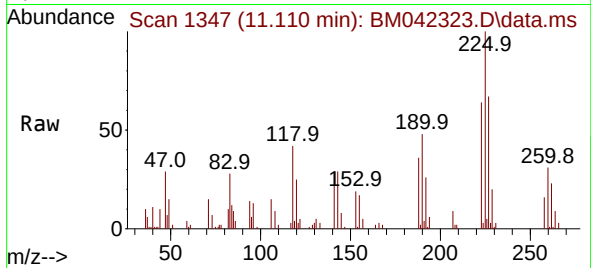
Tgt Ion:127 Resp: 66141
Ion Ratio Lower Upper
127 100
129 31.3 25.1 37.7





#33
Hexachlorobutadiene
Concen: 4.564 ng/ul
RT: 11.110 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

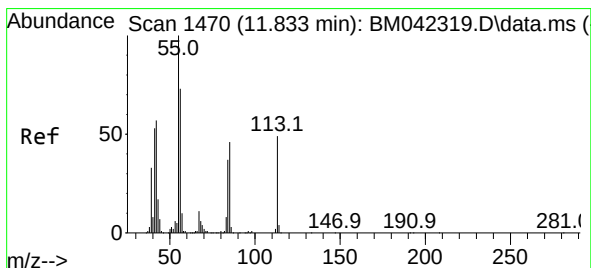
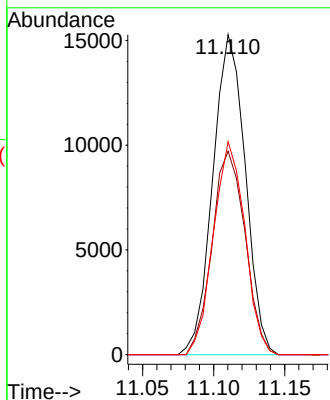
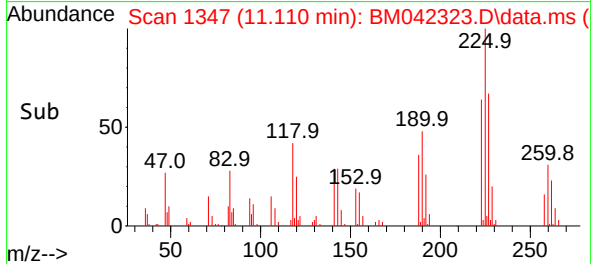
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06



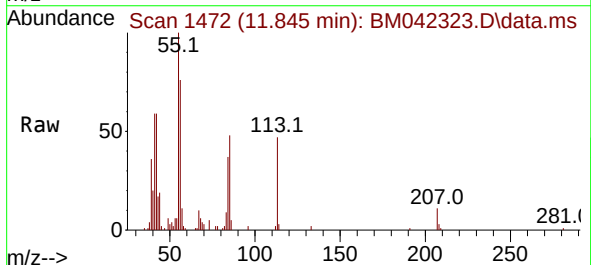
Tgt Ion:225 Resp: 24298
Ion Ratio Lower Upper
225 100
223 63.6 51.3 76.9
227 66.5 53.4 80.0

Manual Integrations
APPROVED

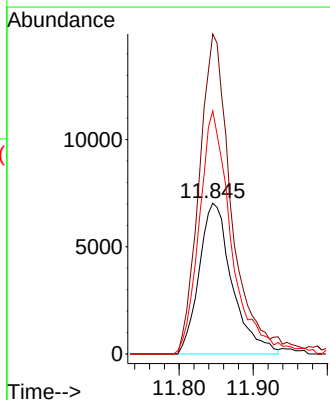
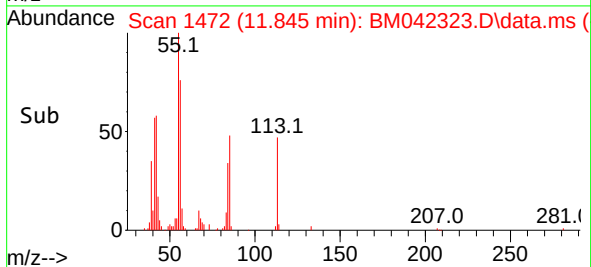
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/19/2023

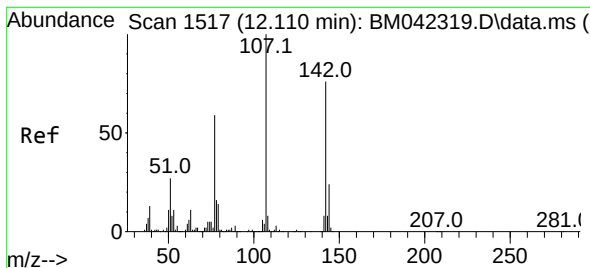


#34
Caprolactam
Concen: 6.462 ng/ul
RT: 11.845 min Scan# 1472
Delta R.T. 0.012 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33



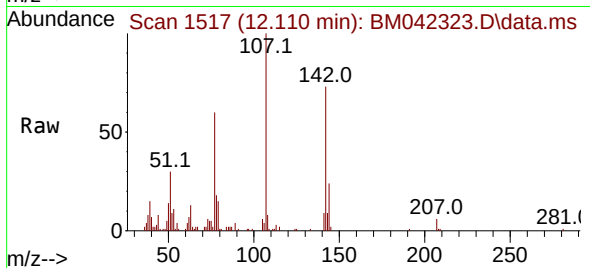
Tgt Ion:113 Resp: 21760
Ion Ratio Lower Upper
113 100
55 212.4 162.1 243.1
56 161.2 124.2 186.2





#35
4-Chloro-3-methylphenol
Concen: 4.057 ng/ul
RT: 12.110 min Scan# 1517
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

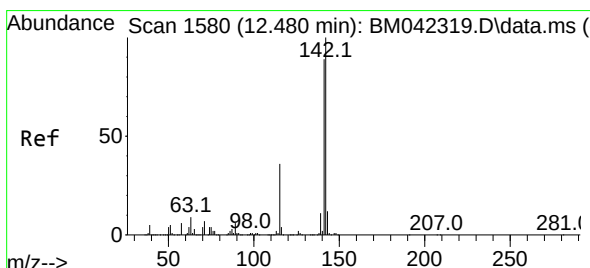
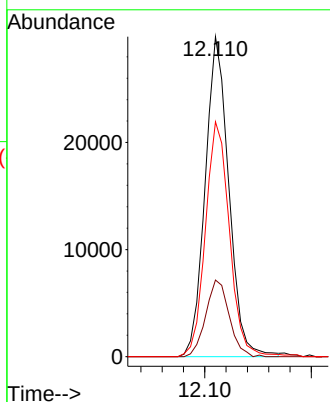
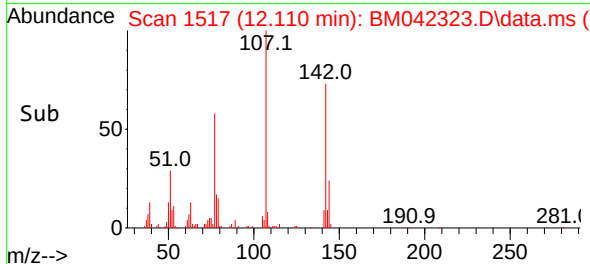
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06



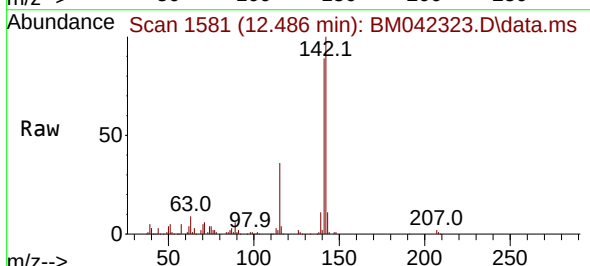
Tgt Ion:107 Resp: 46092
Ion Ratio Lower Upper
107 100
144 23.9 19.3 28.9
142 73.4 60.6 91.0

Manual Integrations
APPROVED

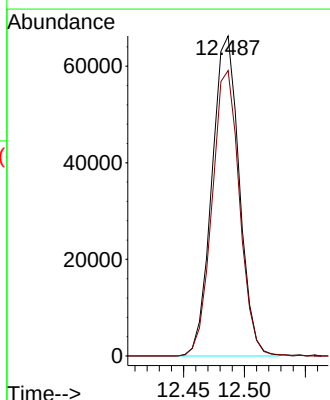
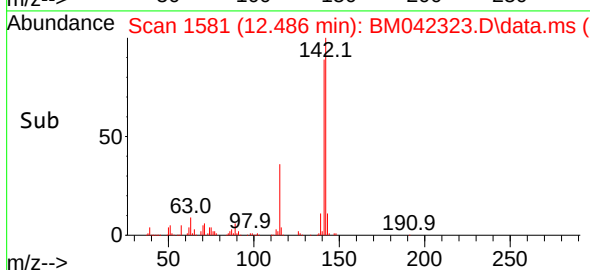
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/19/2023

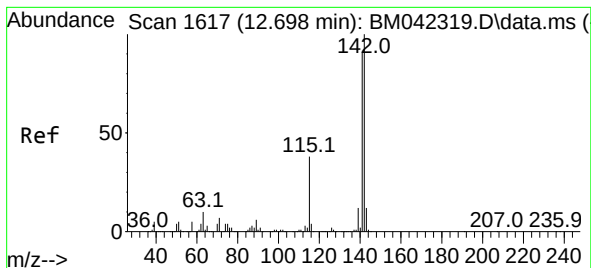


#36
2-Methylnaphthalene
Concen: 4.533 ng/ul
RT: 12.486 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33



Tgt Ion:142 Resp: 103676
Ion Ratio Lower Upper
142 100
141 89.2 71.5 107.3





#37

1-Methylnaphthalene

Concen: 4.601 ng/ul

RT: 12.704 min Scan# 1617

Delta R.T. -0.006 min

Lab File: BM042323.D

Acq: 17 Oct 2023 16:33

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT3-2023-06

Tgt Ion:142 Resp: 106349

Ion Ratio Lower Upper

142 100

141 92.1 74.6 111.8

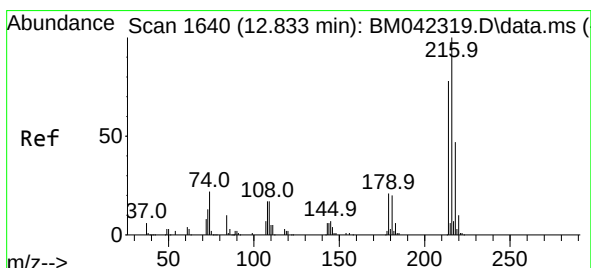
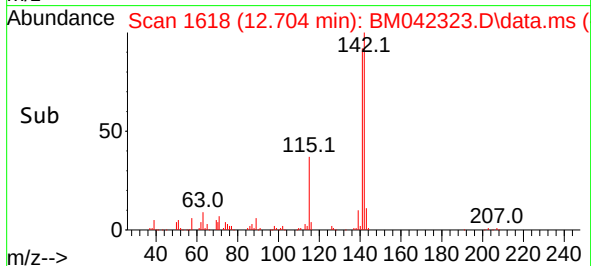
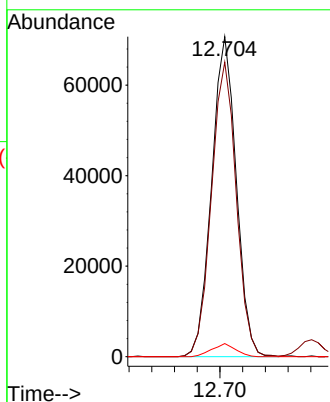
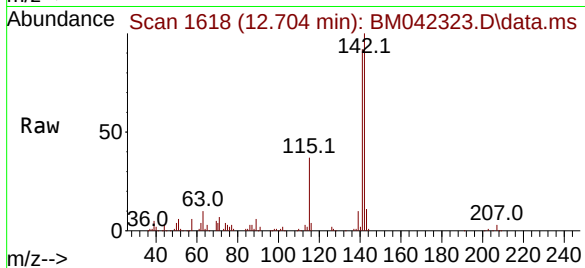
116 4.1 3.2 4.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/18/2023

Supervised By :mohammad ahmed 10/19/2023



#39

1,2,4,5-Tetrachlorobenzene

Concen: 4.488 ng/ul

RT: 12.834 min Scan# 1640

Delta R.T. -0.006 min

Lab File: BM042323.D

Acq: 17 Oct 2023 16:33

Tgt Ion:216 Resp: 48389

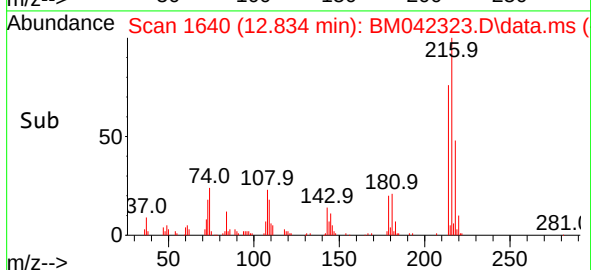
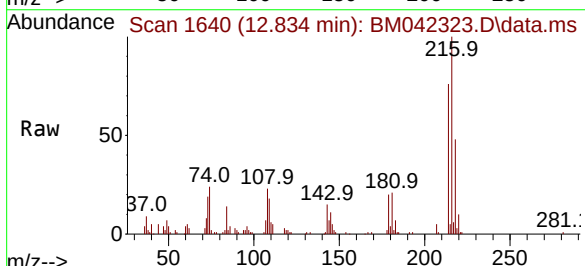
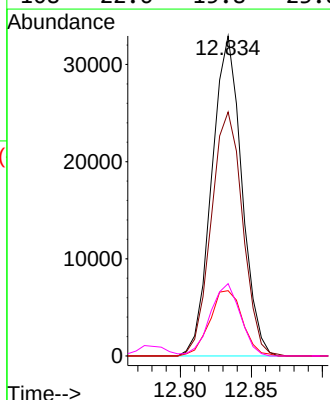
Ion Ratio Lower Upper

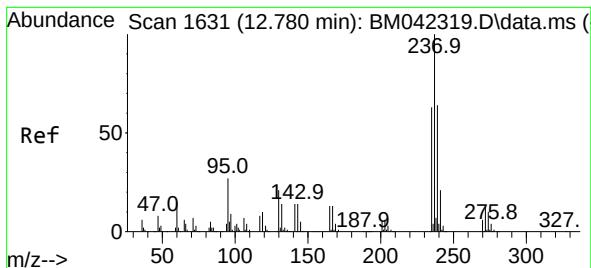
216 100

214 76.2 60.6 90.8

179 20.4 16.9 25.3

108 22.6 15.8 23.8





#40

Hexachlorocyclopentadiene

Concen: 4.784 ng/ul

RT: 12.781 min Scan# 1631

Delta R.T. -0.006 min

Lab File: BM042323.D

Acq: 17 Oct 2023 16:33

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT3-2023-06

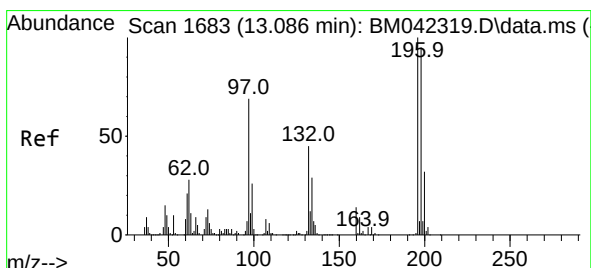
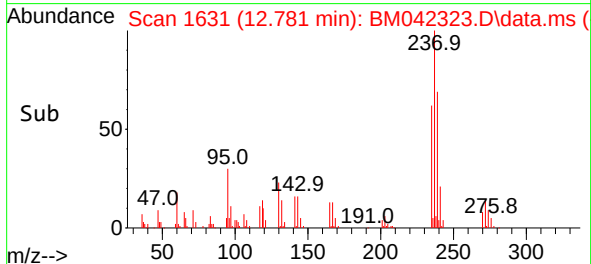
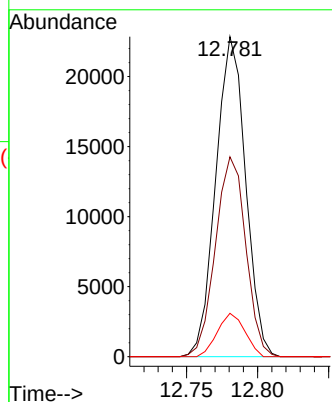
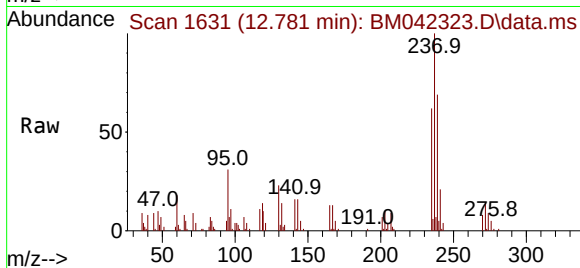
Tgt Ion:	237	Resp:	3338
Ion Ratio	Lower	Upper	
237	100		
235	62.5	51.5	77.3
272	14.3	9.8	14.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/18/2023

Supervised By :mohammad ahmed 10/19/2023



#41

2,4,6-Trichlorophenol

Concen: 3.993 ng/ul

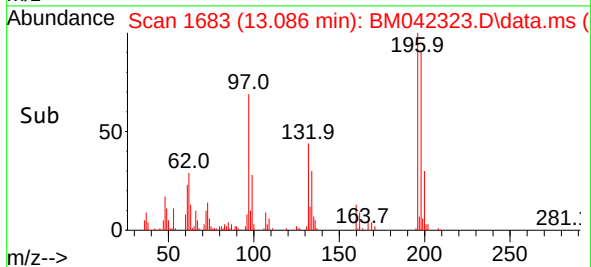
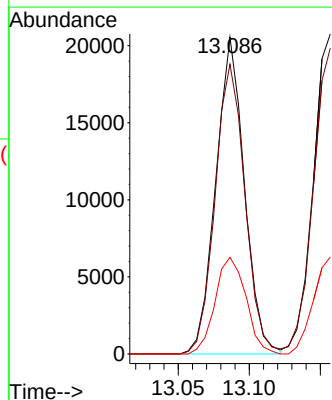
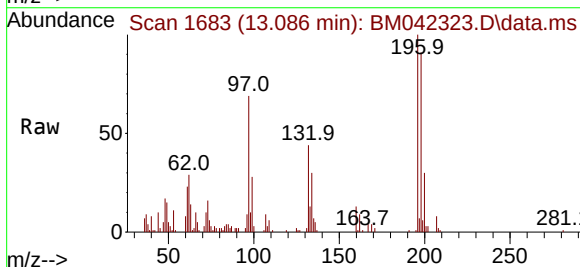
RT: 13.086 min Scan# 1683

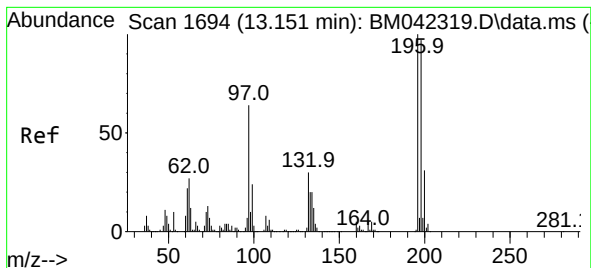
Delta R.T. -0.006 min

Lab File: BM042323.D

Acq: 17 Oct 2023 16:33

Tgt Ion:	196	Resp:	28785
Ion Ratio	Lower	Upper	
196	100		
198	91.4	79.5	119.3
200	30.5	25.3	37.9





#42

2,4,5-Trichlorophenol

Concen: 4.077 ng/ul

RT: 13.157 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM042323.D

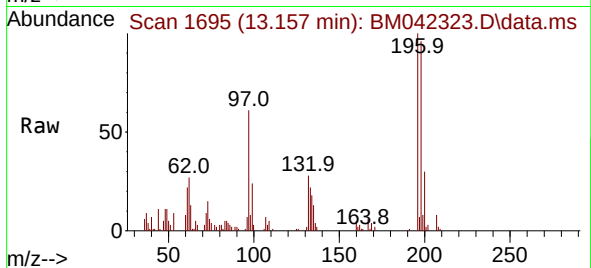
Acq: 17 Oct 2023 16:33

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT3-2023-06



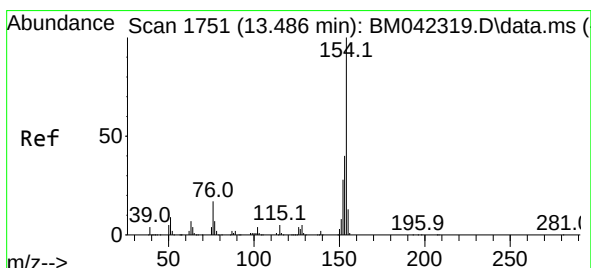
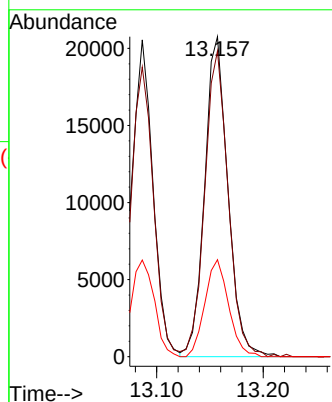
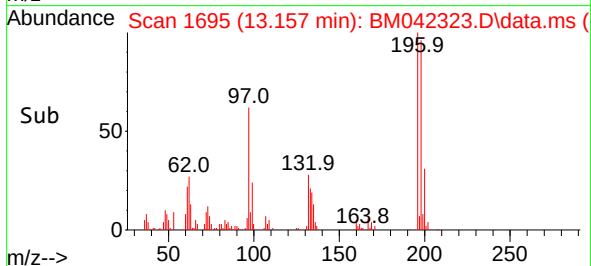
Tgt Ion:	196	Resp:	3155
Ion Ratio	Lower	Upper	
196	100		
198	95.5	76.4	114.6
200	30.3	24.3	36.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/18/2023

Supervised By :mohammad ahmed 10/19/2023



#43

1,1'-Biphenyl

Concen: 4.659 ng/ul

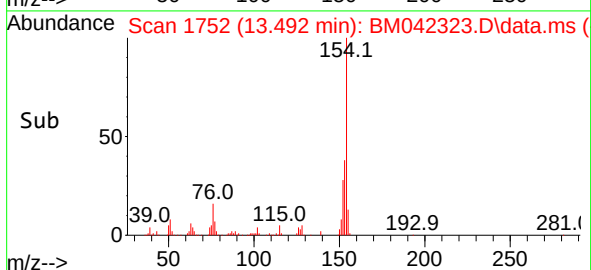
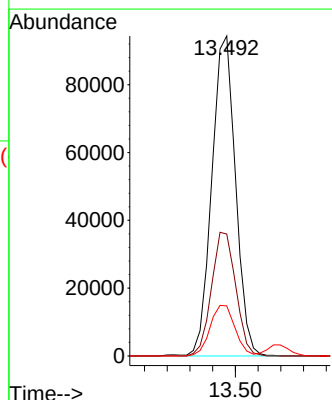
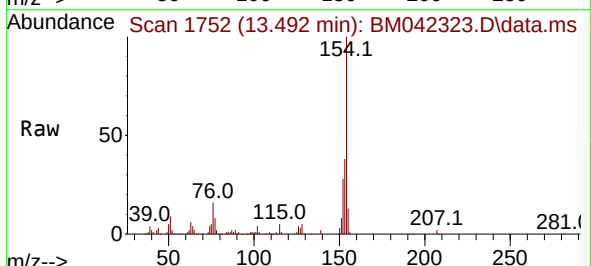
RT: 13.492 min Scan# 1752

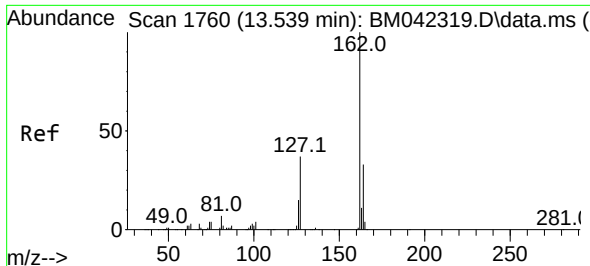
Delta R.T. 0.000 min

Lab File: BM042323.D

Acq: 17 Oct 2023 16:33

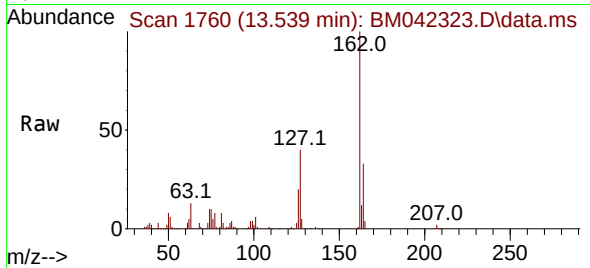
Tgt Ion:	154	Resp:	136757
Ion Ratio	Lower	Upper	
154	100		
153	38.1	32.9	49.3
76	15.6	13.0	19.4





#44
2-Chloronaphthalene
Concen: 4.741 ng/ul
RT: 13.539 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

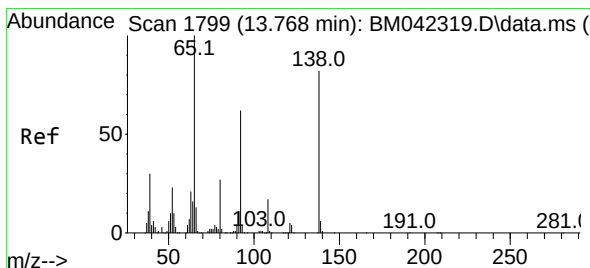
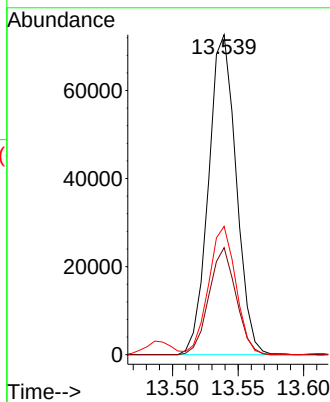
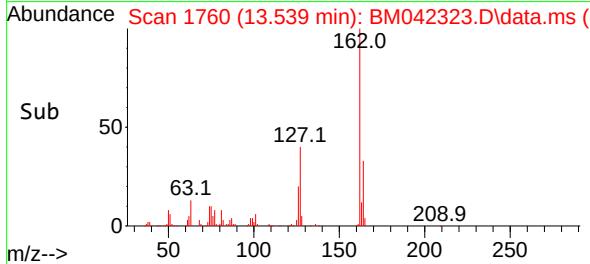
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06



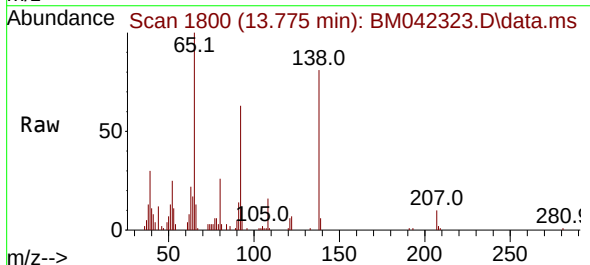
Tgt Ion:162 Resp: 10666
Ion Ratio Lower Upper
162 100
164 33.4 26.9 40.3
127 40.1 32.1 48.1

Manual Integrations
APPROVED

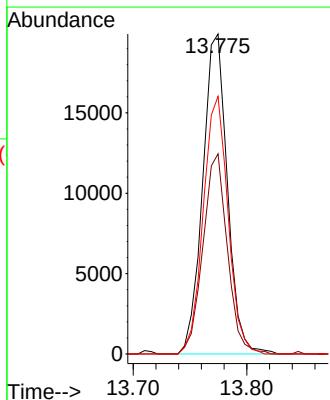
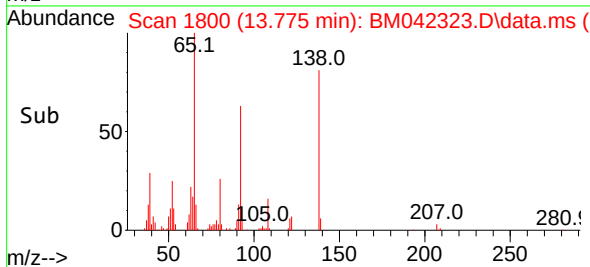
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/19/2023

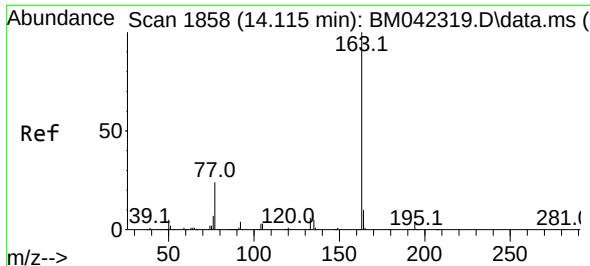


#45
2-Nitroaniline
Concen: 3.714 ng/ul
RT: 13.775 min Scan# 1800
Delta R.T. 0.000 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33



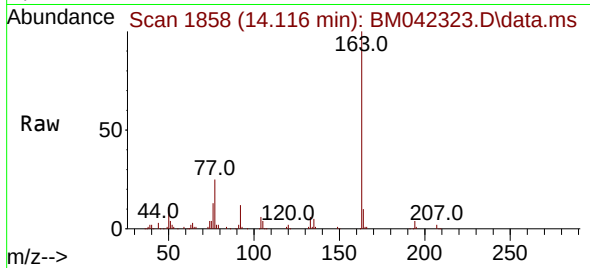
Tgt Ion: 65 Resp: 30042
Ion Ratio Lower Upper
65 100
92 62.6 50.0 75.0
138 80.5 66.4 99.6





#47
Dimethylphthalate
Concen: 4.608 ng/ul
RT: 14.116 min Scan# 1858
Delta R.T. 0.000 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

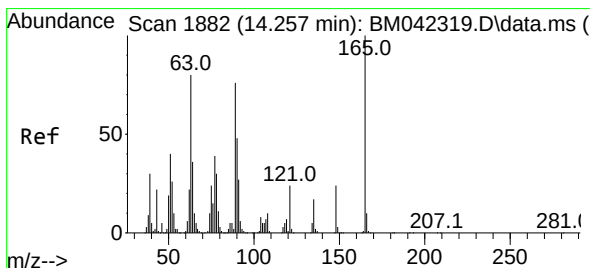
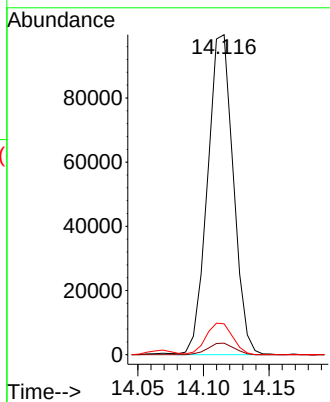
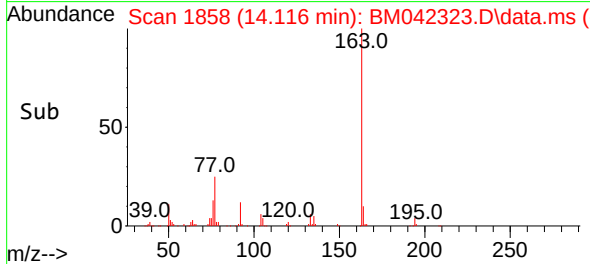
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion:163 Resp: 136124
Ion Ratio Lower Upper
163 100
194 3.6 3.0 4.4
164 9.7 8.1 12.1

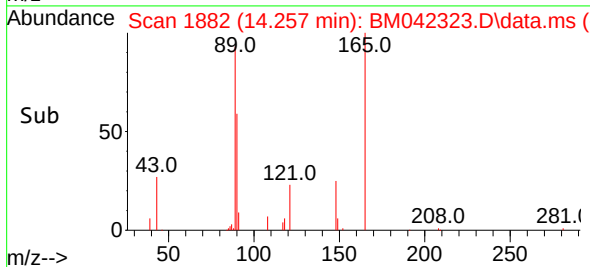
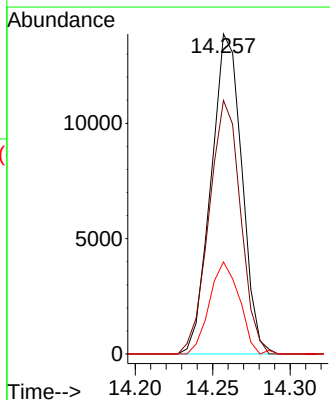
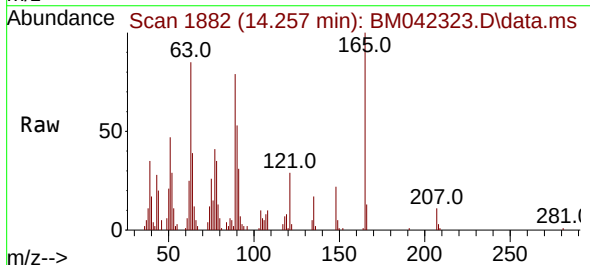
Manual Integrations
APPROVED

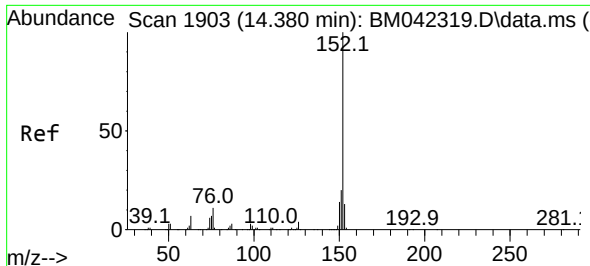
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/19/2023



#48
2,6-Dinitrotoluene
Concen: 3.583 ng/ul
RT: 14.257 min Scan# 1882
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

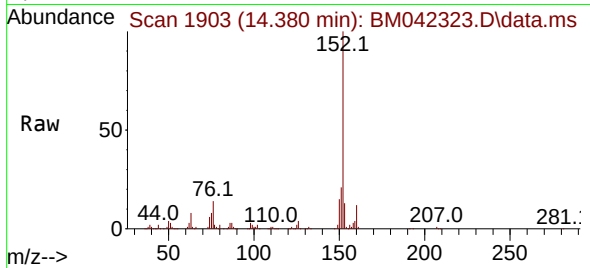
Tgt Ion:165 Resp: 19159
Ion Ratio Lower Upper
165 100
89 79.2 60.3 90.5
121 28.7 20.2 30.4





#50
Acenaphthylene
Concen: 4.734 ng/ul
RT: 14.380 min Scan# 1903
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

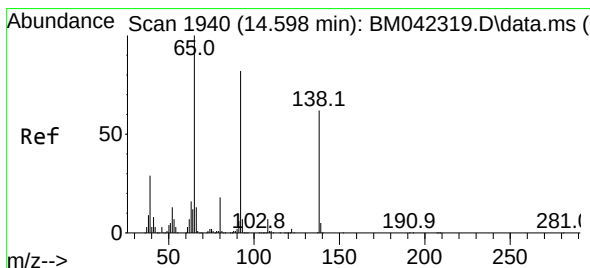
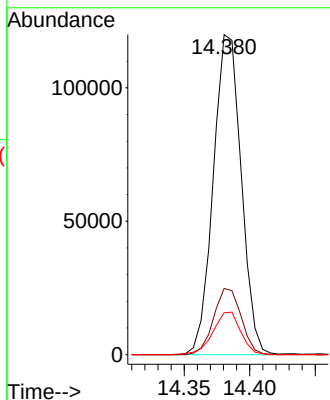
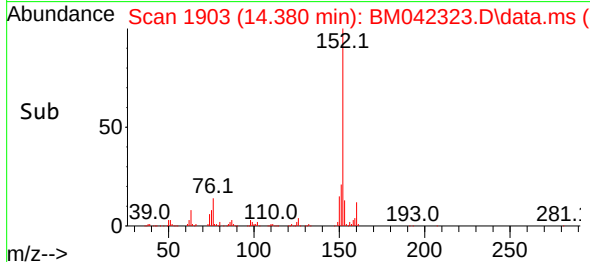
Instrument : BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06



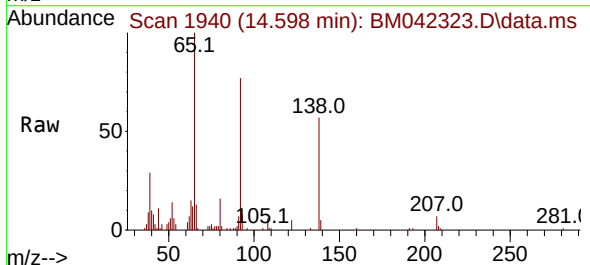
Tgt Ion:152 Resp: 17762
Ion Ratio Lower Upper
152 100
151 20.7 15.9 23.9
153 13.1 10.3 15.5

Manual Integrations
APPROVED

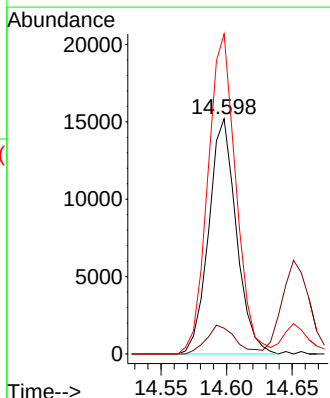
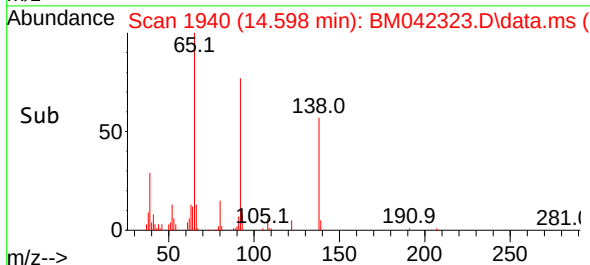
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/19/2023

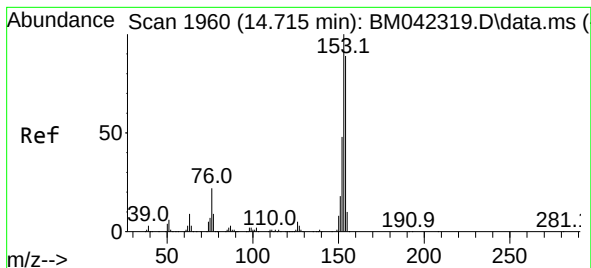


#51
3-Nitroaniline
Concen: 3.530 ng/ul
RT: 14.598 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33



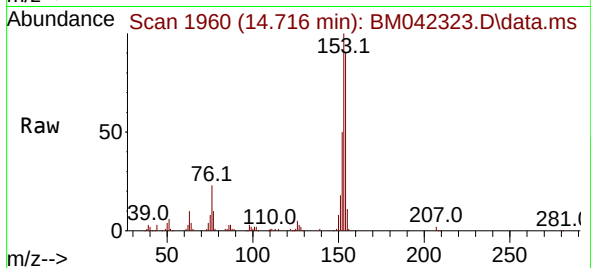
Tgt Ion:138 Resp: 22251
Ion Ratio Lower Upper
138 100
108 11.0 8.5 12.7
92 136.1 103.8 155.6





#52
Acenaphthene
Concen: 4.692 ng/ul
RT: 14.716 min Scan# 1960
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

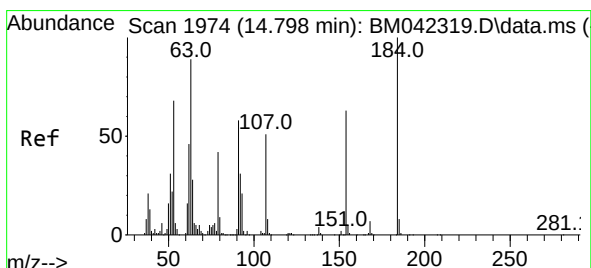
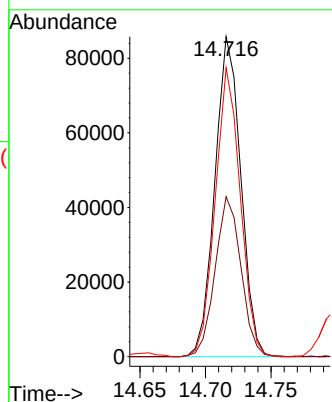
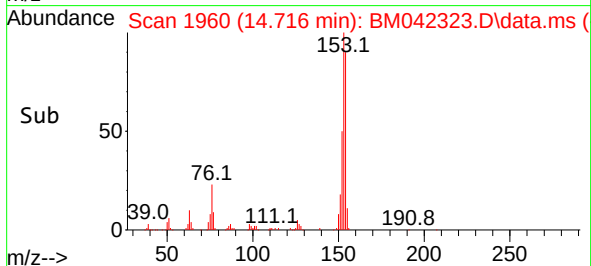
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion:153 Resp: 118260
Ion Ratio Lower Upper
153 100
152 50.0 39.0 58.4
154 90.3 70.4 105.6

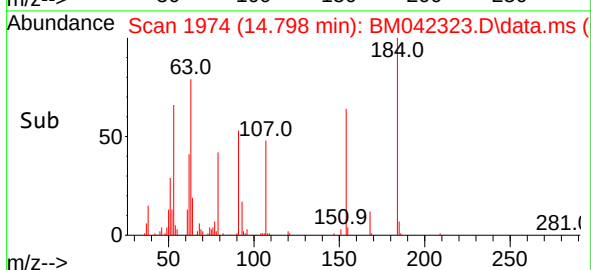
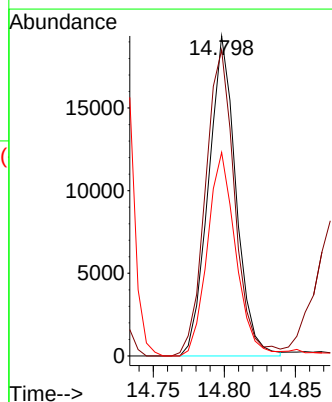
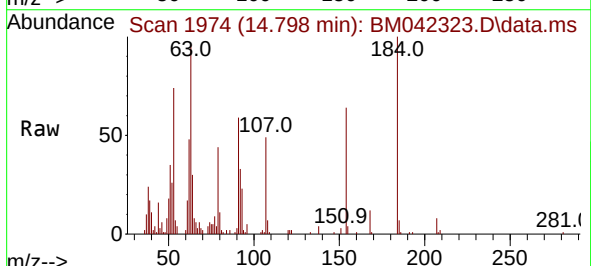
Manual Integrations
APPROVED

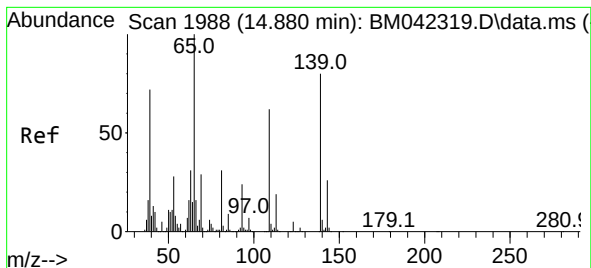
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/19/2023



#53
2,4-Dinitrophenol
Concen: 7.221 ng/ul
RT: 14.798 min Scan# 1974
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

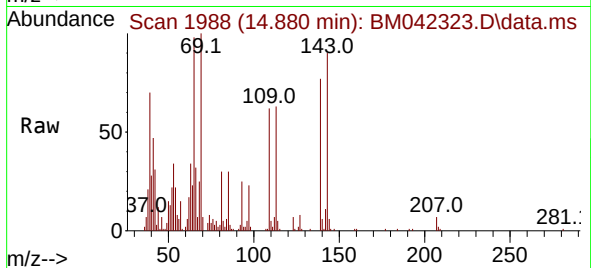
Tgt Ion:184 Resp: 26136
Ion Ratio Lower Upper
184 100
63 95.7 70.6 106.0
154 63.6 50.1 75.1





#55
4-Nitrophenol
Concen: 4.311 ng/ul
RT: 14.880 min Scan# 1988
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

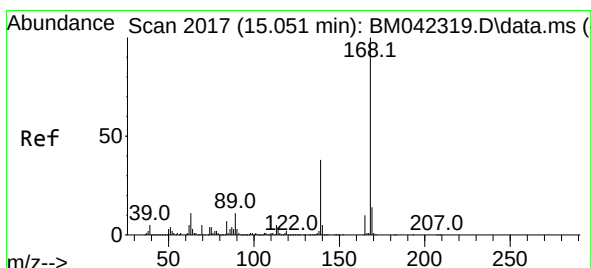
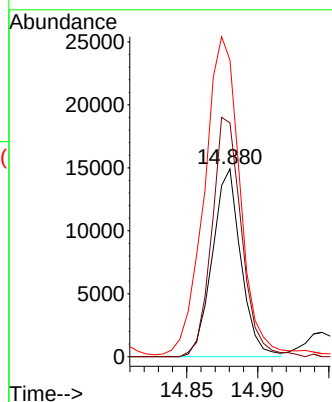
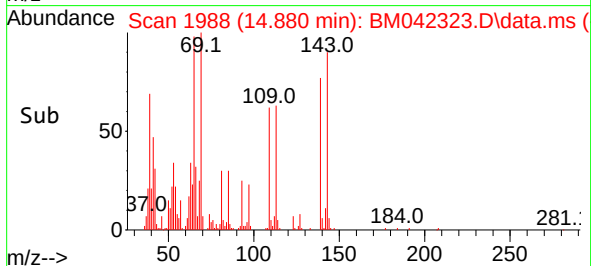
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion:109 Resp: 20879
Ion Ratio Lower Upper
109 100
139 124.5 102.5 153.7
65 157.9 126.6 189.8

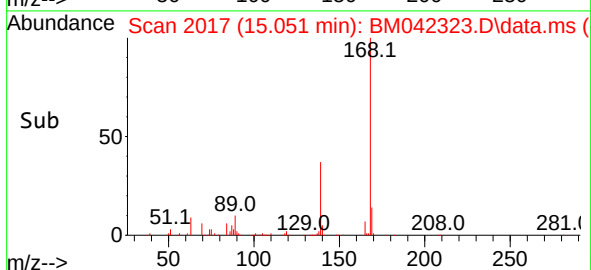
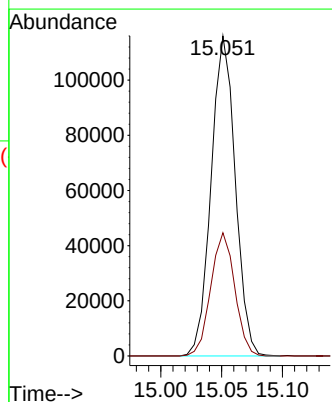
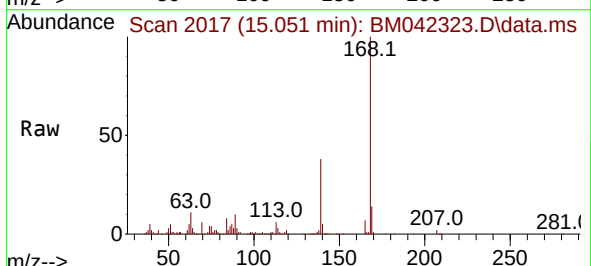
Manual Integrations
APPROVED

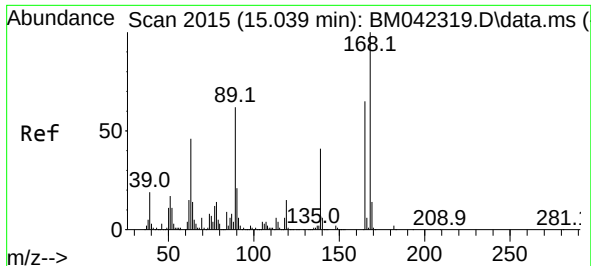
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/19/2023



#56
Dibenzofuran
Concen: 4.730 ng/ul
RT: 15.051 min Scan# 1717
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

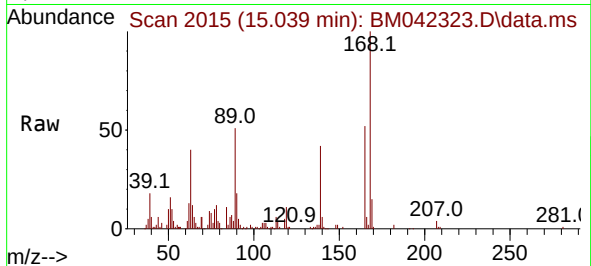
Tgt Ion:168 Resp: 160181
Ion Ratio Lower Upper
168 100
139 38.5 30.7 46.1





#57
2,4-Dinitrotoluene
Concen: 4.007 ng/ul
RT: 15.039 min Scan# 2015
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

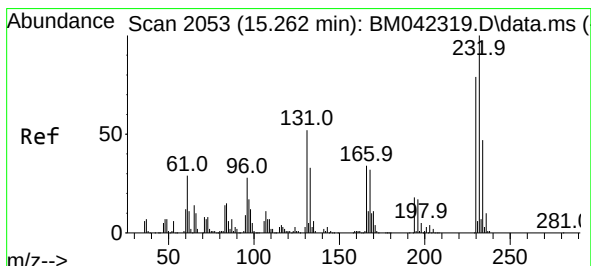
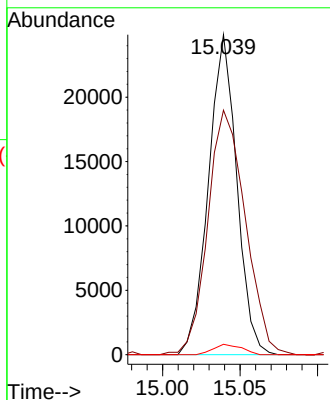
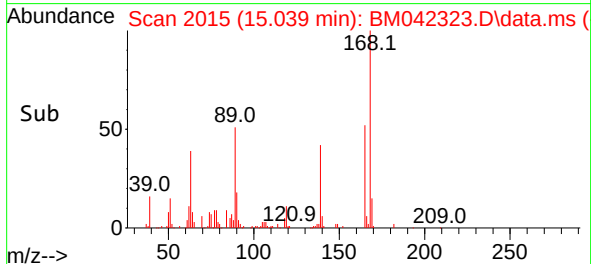
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion:165 Resp: 31592
Ion Ratio Lower Upper
165 100
63 76.4 57.5 86.3
182 3.3 2.0 3.0

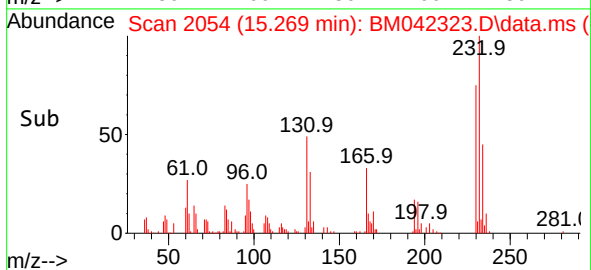
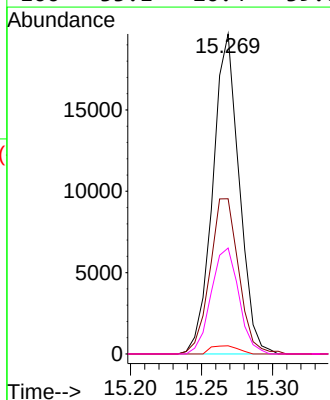
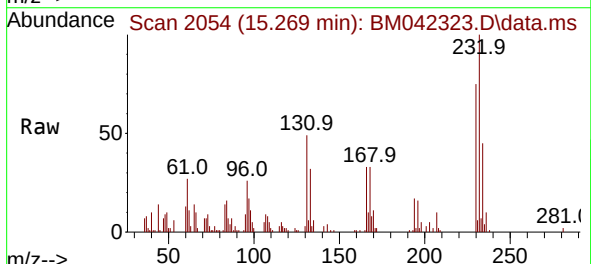
Manual Integrations
APPROVED

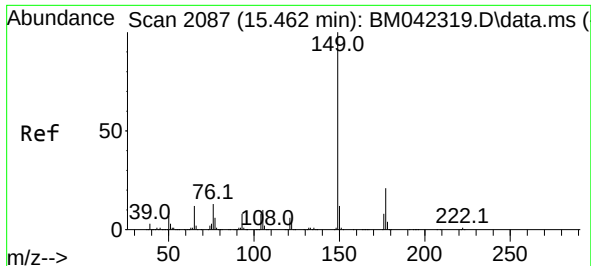
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/19/2023



#58
2,3,4,6-Tetrachlorophenol
Concen: 3.920 ng/ul
RT: 15.269 min Scan# 2054
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

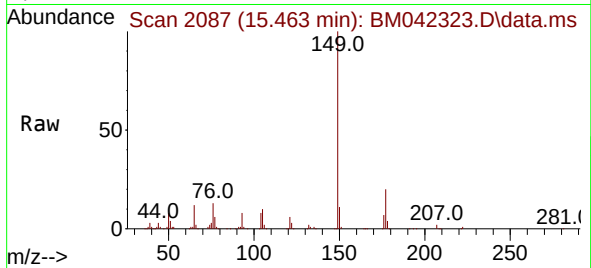
Tgt Ion:232 Resp: 25463
Ion Ratio Lower Upper
232 100
131 48.5 38.2 57.4
130 2.5 2.2 3.4
166 33.1 26.4 39.6





#59
Diethylphthalate
Concen: 4.446 ng/ul
RT: 15.463 min Scan# 2087
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

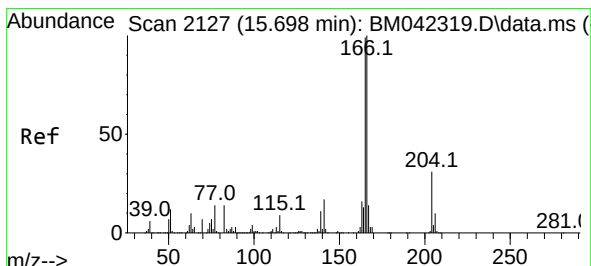
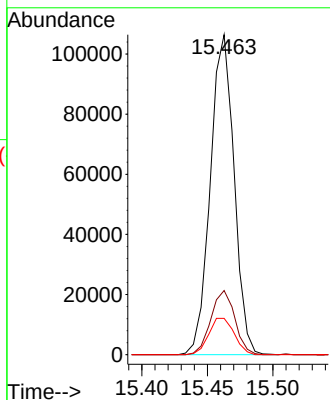
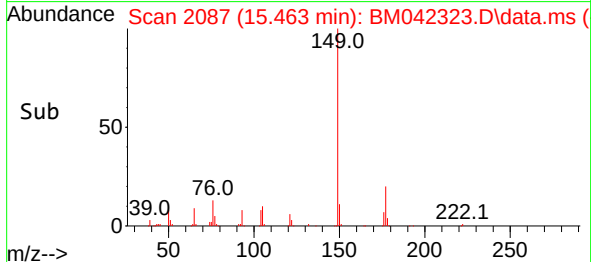
Instrument : BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06



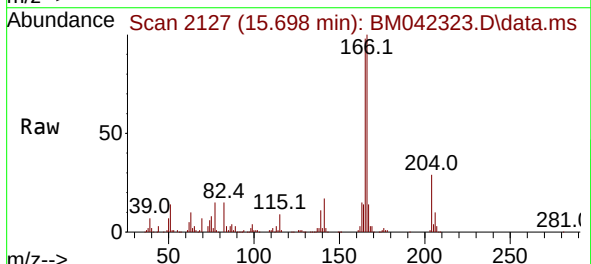
Tgt Ion:149 Resp: 134054
Ion Ratio Lower Upper
149 100
177 20.1 16.6 25.0
150 11.3 9.7 14.5

Manual Integrations
APPROVED

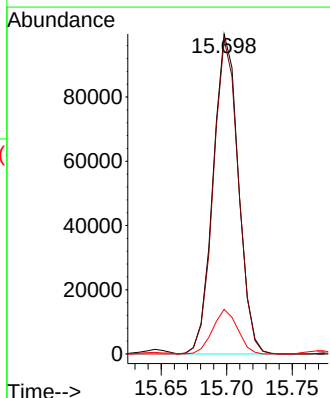
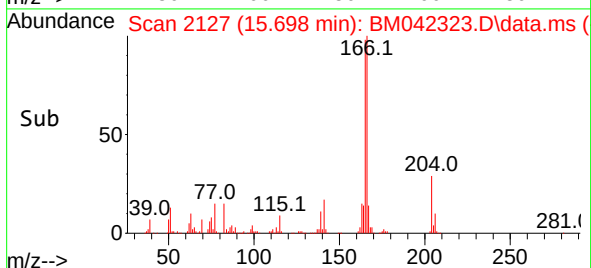
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/19/2023

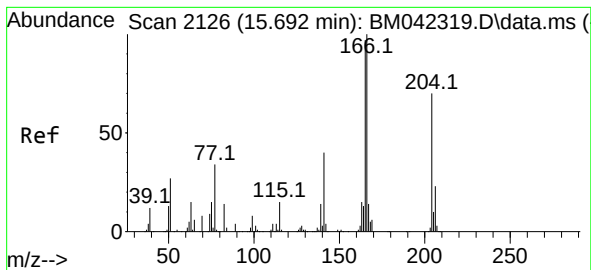


#61
Fluorene
Concen: 4.745 ng/ul
RT: 15.698 min Scan# 2127
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33



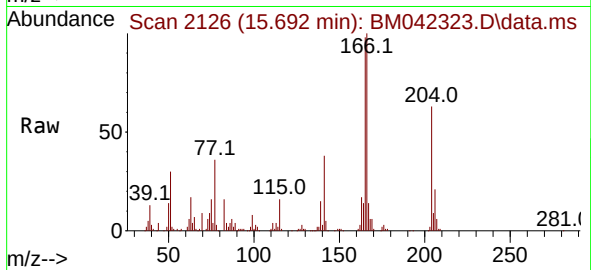
Tgt Ion:166 Resp: 133251
Ion Ratio Lower Upper
166 100
165 98.3 78.7 118.1
167 13.9 10.9 16.3





#62
4-Chlorophenyl-phenylether
Concen: 4.580 ng/ul
RT: 15.692 min Scan# 2126
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

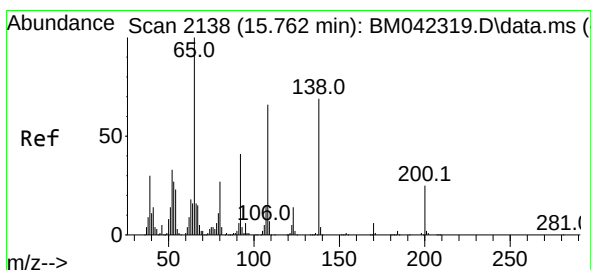
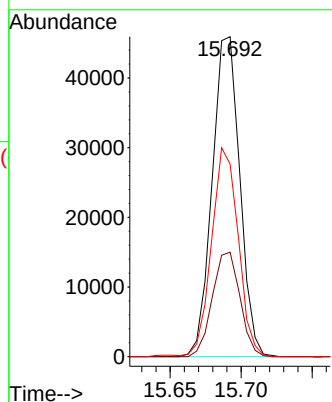
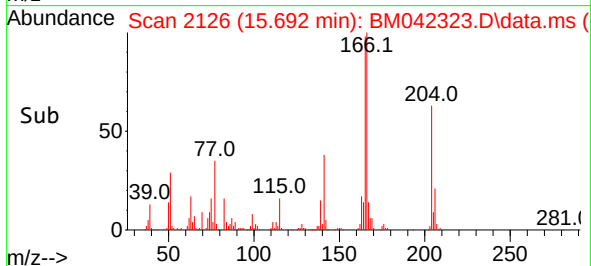
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion:204 Resp: 62110
Ion Ratio Lower Upper
204 100
206 32.7 26.3 39.5
141 60.1 48.5 72.7

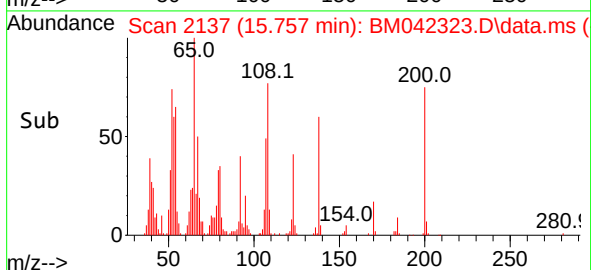
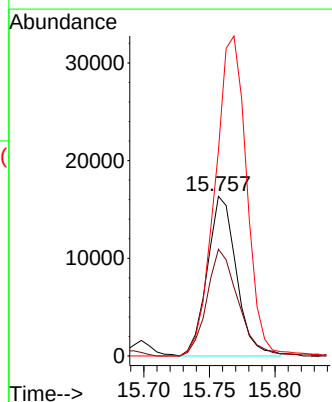
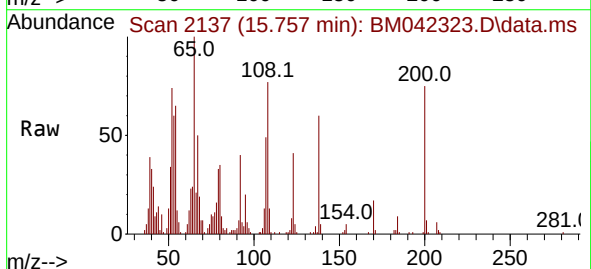
Manual Integrations
APPROVED

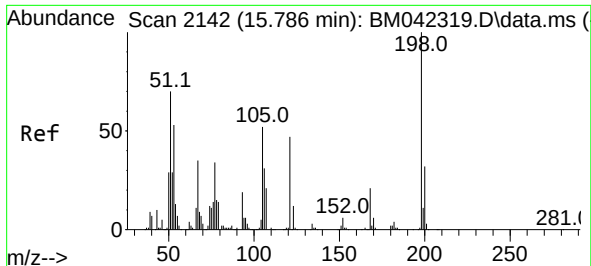
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/19/2023



#63
4-Nitroaniline
Concen: 4.477 ng/ul
RT: 15.757 min Scan# 2137
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

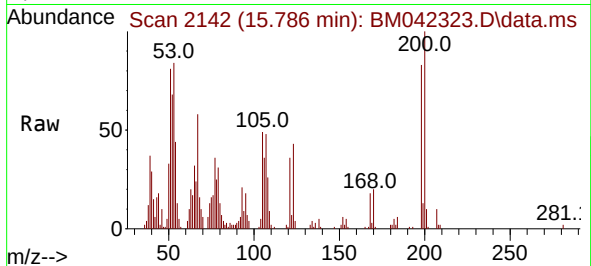
Tgt Ion:138 Resp: 25237
Ion Ratio Lower Upper
138 100
92 66.9 49.5 74.3
108 128.9 72.5 108.7#





#66
4,6-Dinitro-2-methylphenol
Concen: 3.971 ng/ul
RT: 15.786 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

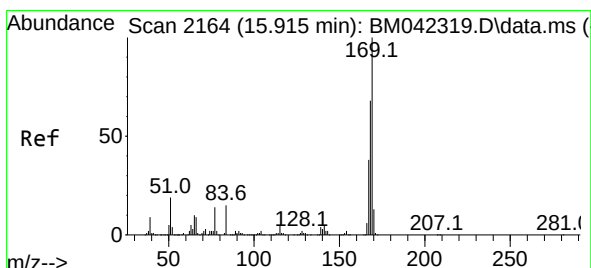
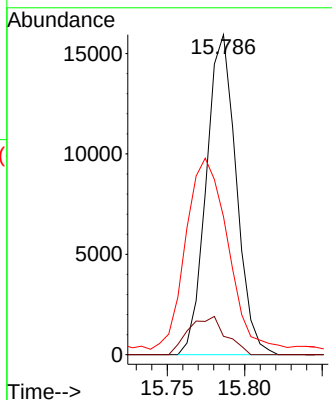
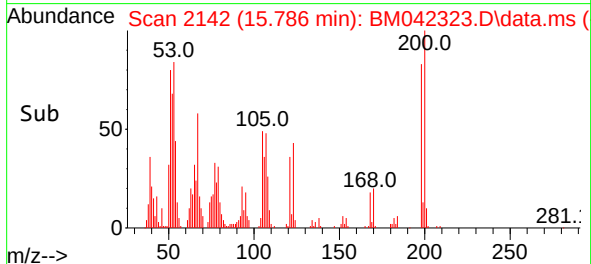
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion:198 Resp: 21438
Ion Ratio Lower Upper
198 100
182 5.8 4.2 6.2
77 43.2 27.4 41.0

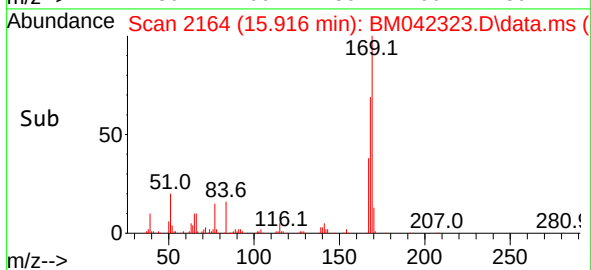
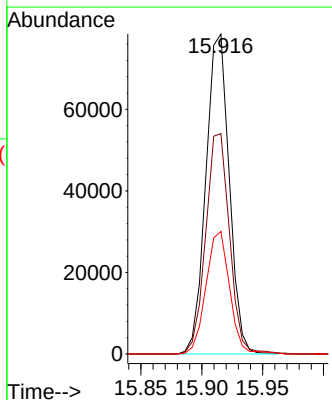
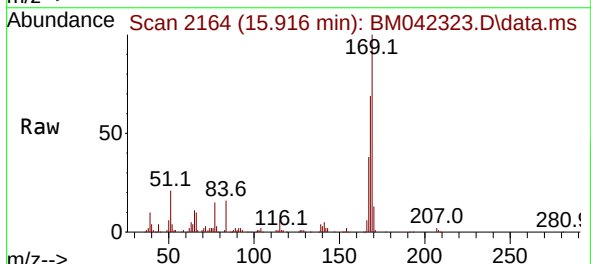
Manual Integrations
APPROVED

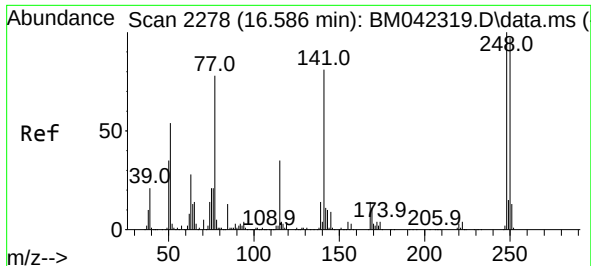
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/19/2023



#67
N-Nitrosodiphenylamine
Concen: 4.468 ng/ul
RT: 15.916 min Scan# 2164
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

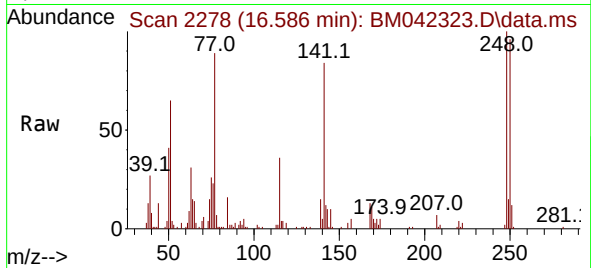
Tgt Ion:169 Resp: 104762
Ion Ratio Lower Upper
169 100
168 68.8 55.8 83.8
167 38.3 29.8 44.8





#68
4-Bromophenyl-phenylether
Concen: 4.226 ng/ul
RT: 16.586 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

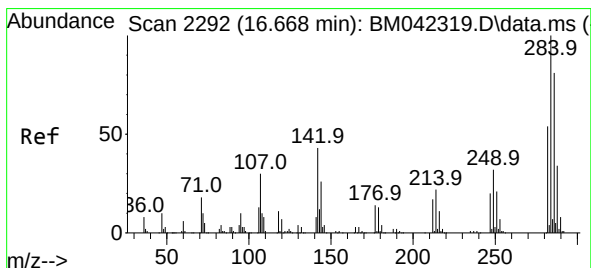
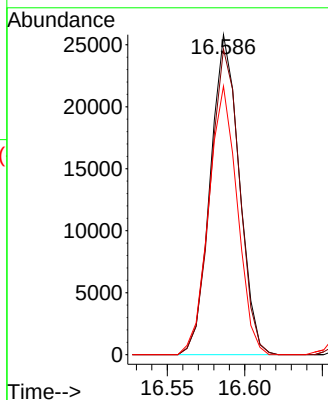
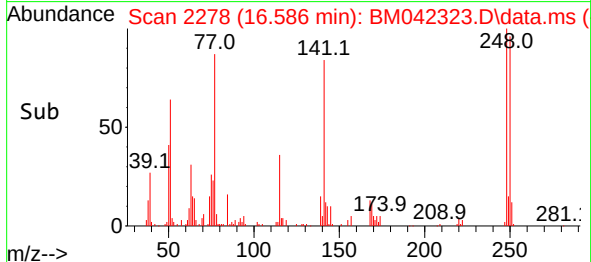
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06



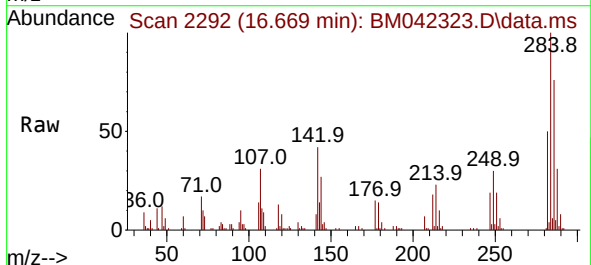
Tgt Ion:248 Resp: 33494
Ion Ratio Lower Upper
248 100
250 95.5 79.4 119.0
141 83.9 66.5 99.7

Manual Integrations
APPROVED

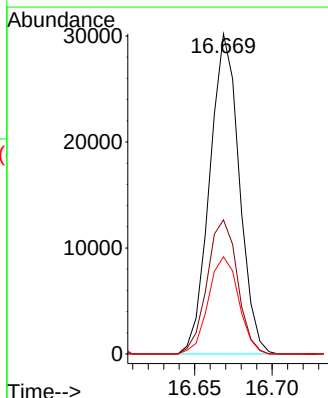
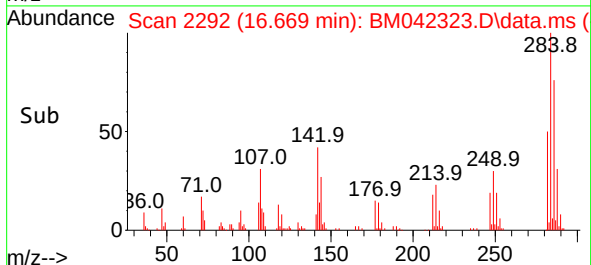
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/19/2023

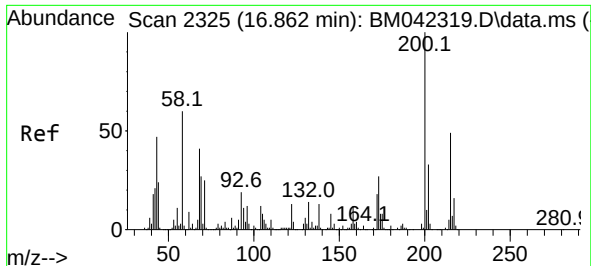


#69
Hexachlorobenzene
Concen: 4.446 ng/ul
RT: 16.669 min Scan# 2292
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33



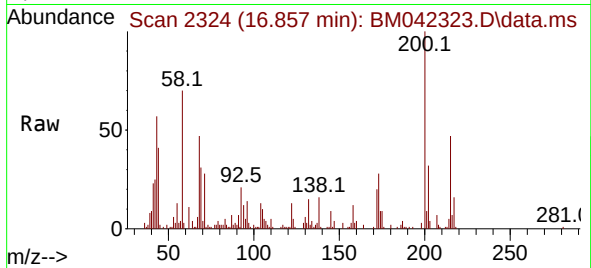
Tgt Ion:284 Resp: 40065
Ion Ratio Lower Upper
284 100
142 41.9 33.8 50.6
249 30.4 25.4 38.0





#70
Atrazine
Concen: 3.868 ng/ul
RT: 16.857 min Scan# 2111
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

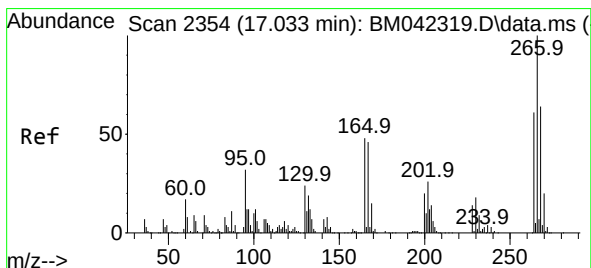
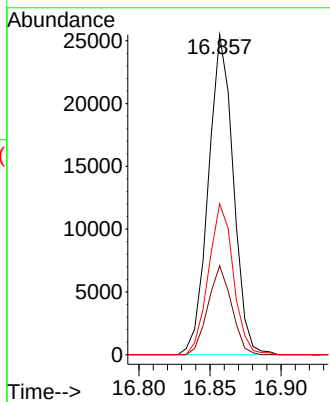
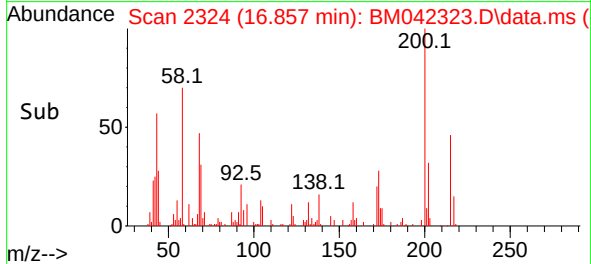
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion:200 Resp: 31119
Ion Ratio Lower Upper
200 100
173 27.8 21.0 31.6
215 47.2 36.1 54.1

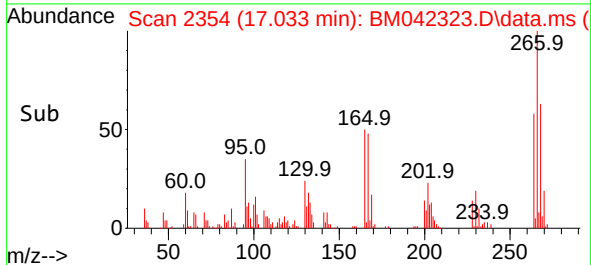
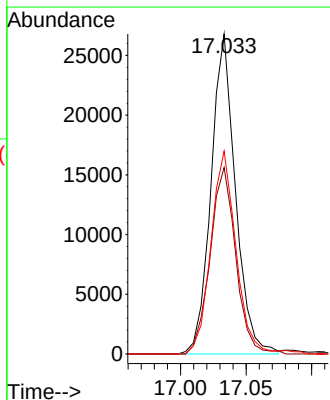
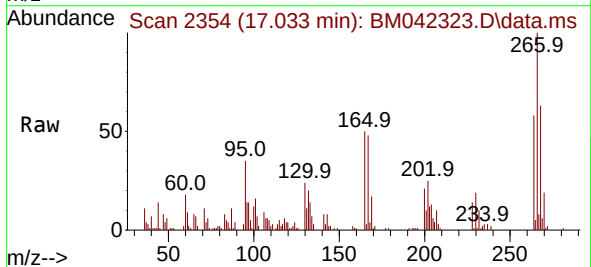
Manual Integrations
APPROVED

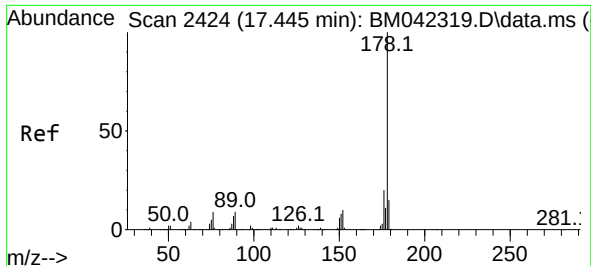
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/19/2023



#71
Pentachlorophenol
Concen: 5.677 ng/ul
RT: 17.033 min Scan# 2354
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

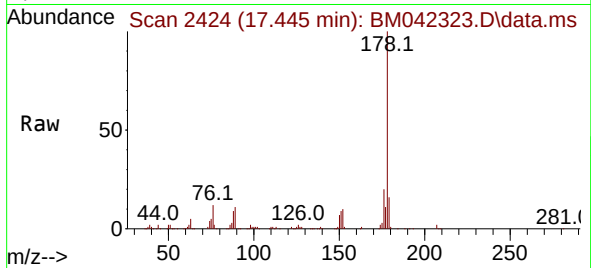
Tgt Ion:266 Resp: 34667
Ion Ratio Lower Upper
266 100
264 58.2 51.2 76.8
268 63.4 52.6 78.8





#72
Phenanthrene
Concen: 4.553 ng/u1
RT: 17.445 min Scan# 2424
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

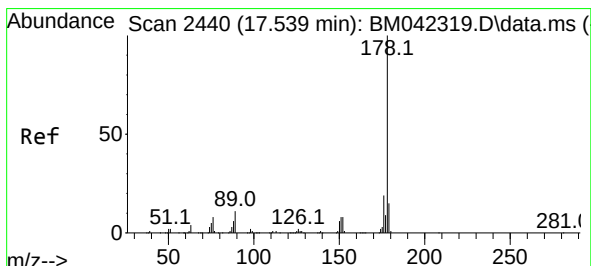
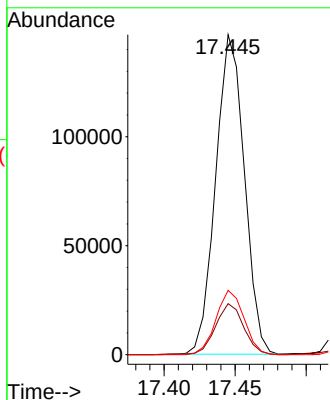
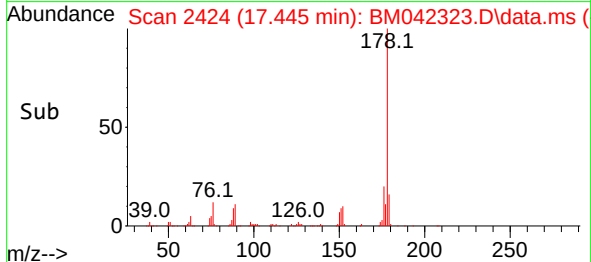
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06



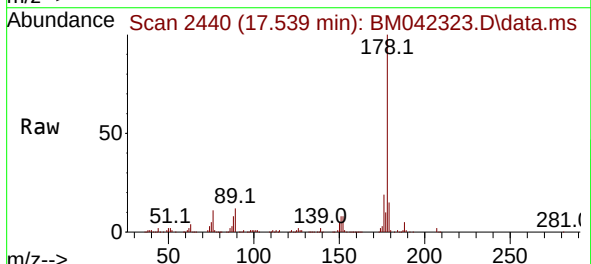
Tgt Ion:178 Resp: 205800
Ion Ratio Lower Upper
178 100
179 15.9 12.2 18.4
176 20.1 15.8 23.8

Manual Integrations
APPROVED

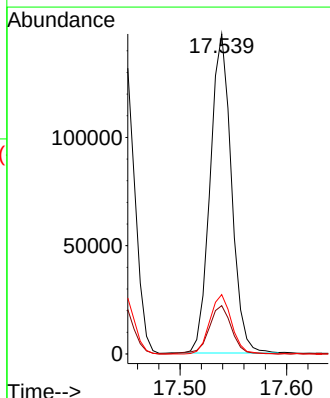
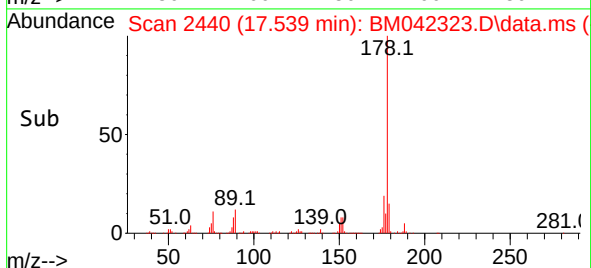
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/19/2023

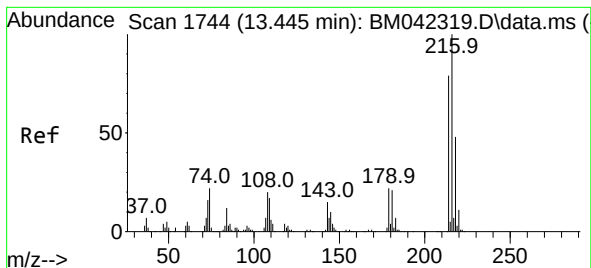


#74
Anthracene
Concen: 4.498 ng/u1
RT: 17.539 min Scan# 2440
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33



Tgt Ion:178 Resp: 204507
Ion Ratio Lower Upper
178 100
179 15.1 12.2 18.2
176 18.5 15.0 22.4





#75

1,2,3,4-Tetrachlorobenzene

Concen: 4.325 ng/uL

RT: 13.445 min Scan# 1744

Delta R.T. -0.006 min

Lab File: BM042323.D

Acq: 17 Oct 2023 16:33

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT3-2023-06

Tgt Ion:216 Resp: 4722

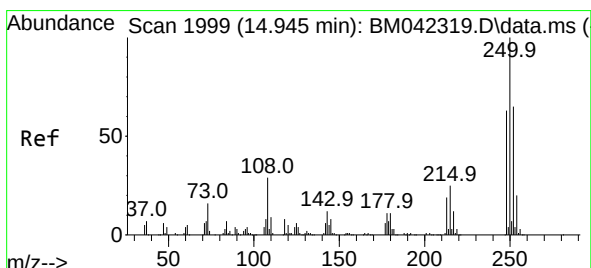
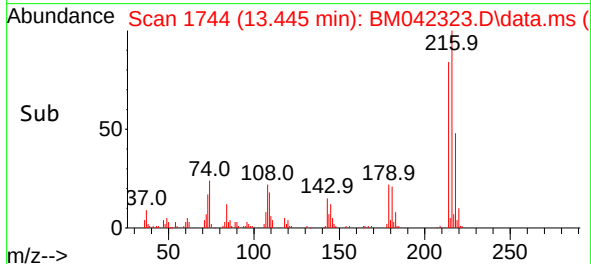
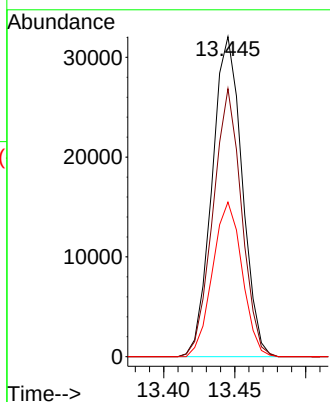
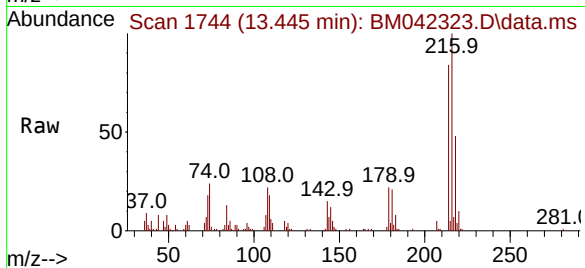
Ion	Ratio	Lower	Upper
216	100		
214	83.7	62.0	93.0
218	48.3	38.8	58.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/18/2023

Supervised By :mohammad ahmed 10/19/2023



#76

Pentachlorobenzene

Concen: 4.711 ng/uL

RT: 14.945 min Scan# 1999

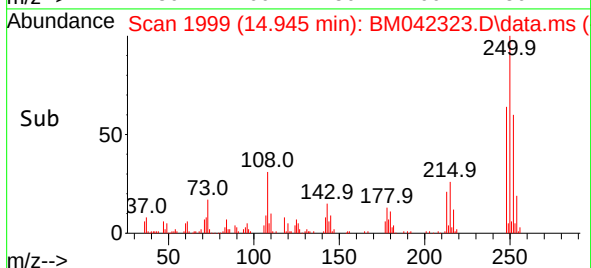
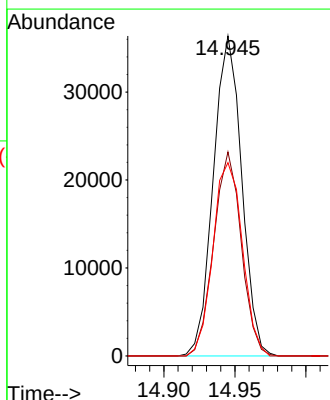
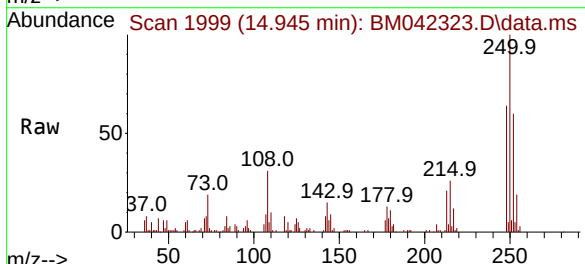
Delta R.T. -0.006 min

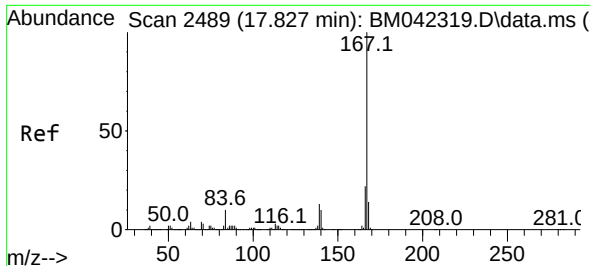
Lab File: BM042323.D

Acq: 17 Oct 2023 16:33

Tgt Ion:250 Resp: 50513

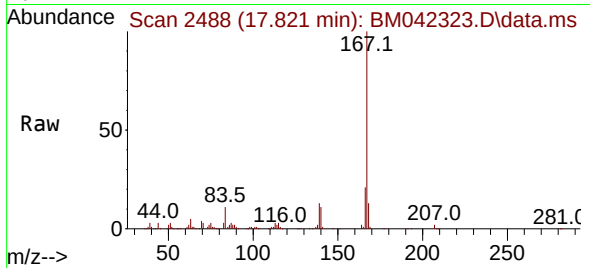
Ion	Ratio	Lower	Upper
250	100		
248	63.8	51.1	76.7
252	60.4	52.9	79.3





#77
 Carbazole
 Concen: 4.341 ng/ul
 RT: 17.821 min Scan# 2488
 Delta R.T. -0.006 min
 Lab File: BM042323.D
 Acq: 17 Oct 2023 16:33

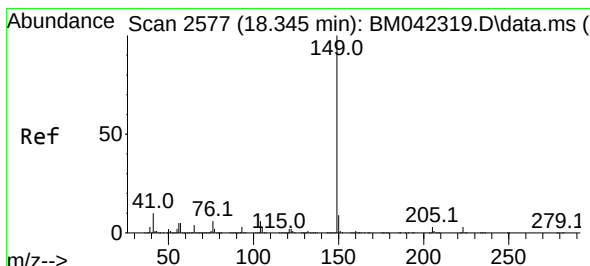
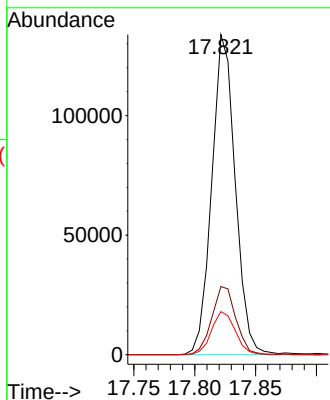
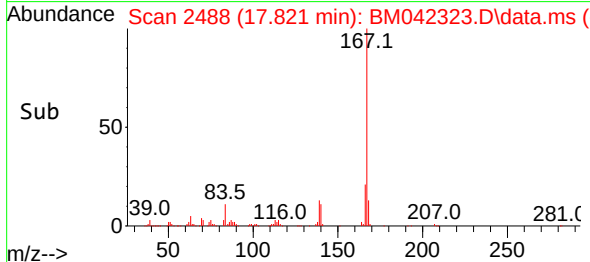
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-QT3-2023-06



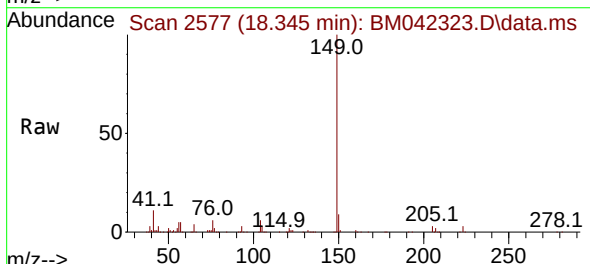
Tgt Ion:167 Resp: 179785
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.4 26.0
 139 13.5 10.6 16.0

Manual Integrations
 APPROVED

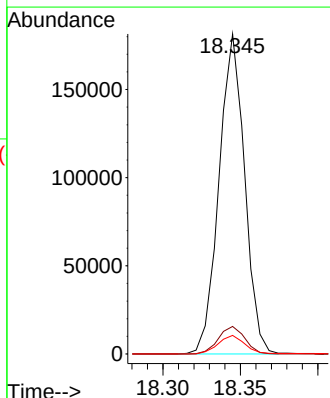
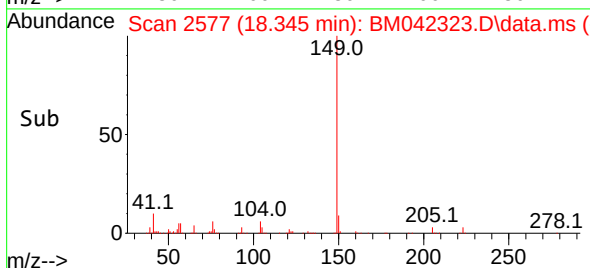
Reviewed By :Yogesh Patel 10/18/2023
 Supervised By :mohammad ahmed 10/19/2023

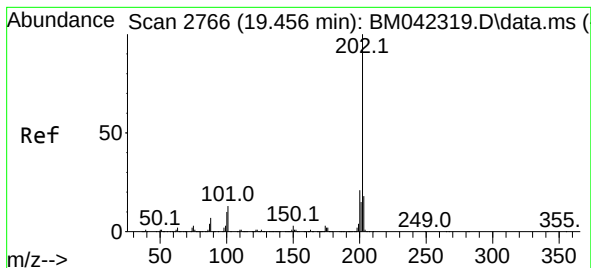


#78
 Di-n-butylphthalate
 Concen: 3.969 ng/ul
 RT: 18.345 min Scan# 2577
 Delta R.T. -0.006 min
 Lab File: BM042323.D
 Acq: 17 Oct 2023 16:33



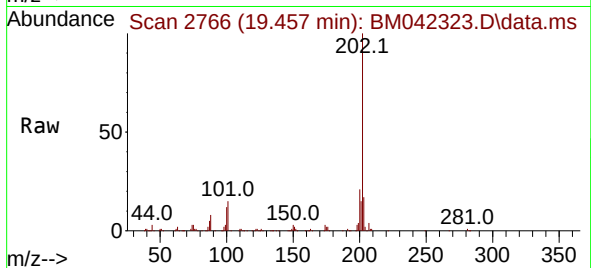
Tgt Ion:149 Resp: 208069
 Ion Ratio Lower Upper
 149 100
 150 8.6 7.2 10.8
 104 5.8 4.6 6.8





#80
Fluoranthene
Concen: 4.264 ng/ul
RT: 19.457 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

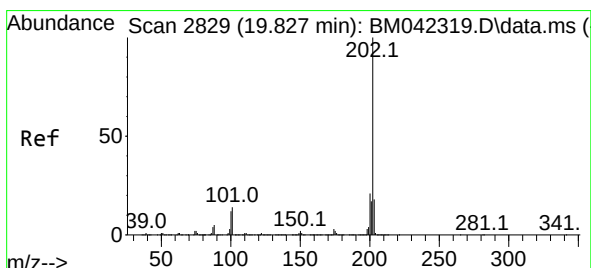
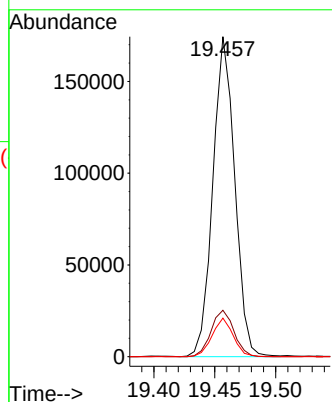
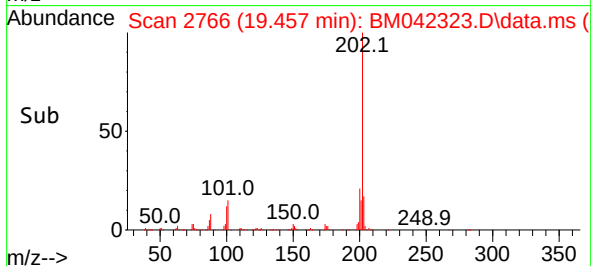
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06



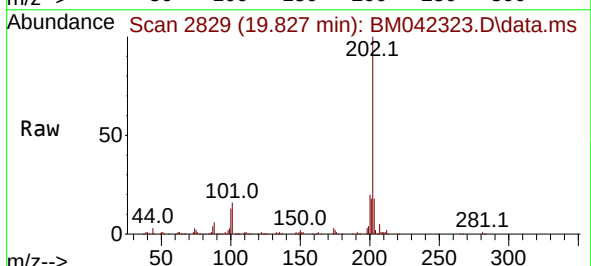
Tgt Ion:202 Resp: 21809
Ion Ratio Lower Upper
202 100
101 14.5 10.8 16.2
100 12.1 8.3 12.5

Manual Integrations
APPROVED

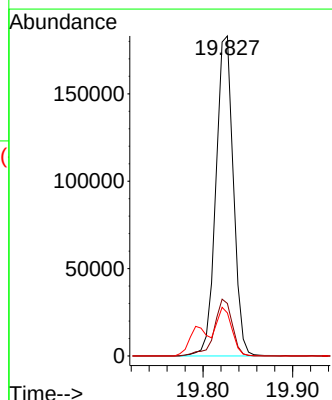
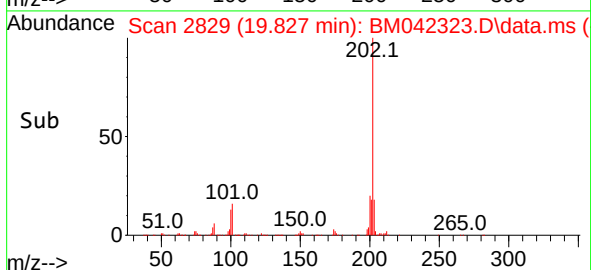
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/19/2023

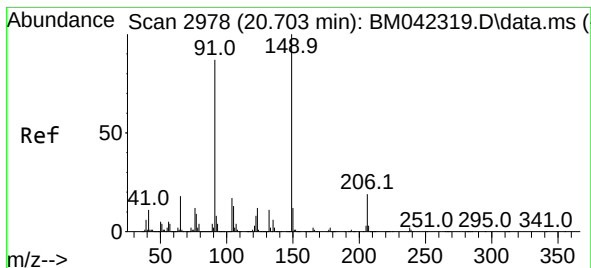


#82
Pyrene
Concen: 4.588 ng/ul
RT: 19.827 min Scan# 2829
Delta R.T. -0.006 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33



Tgt Ion:202 Resp: 246759
Ion Ratio Lower Upper
202 100
101 16.4 11.9 17.9
100 13.5 9.9 14.9





#83

Butylbenzylphthalate

Concen: 3.714 ng/ul

RT: 20.704 min Scan# 2978

Delta R.T. -0.006 min

Lab File: BM042323.D

Acq: 17 Oct 2023 16:33

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT3-2023-06

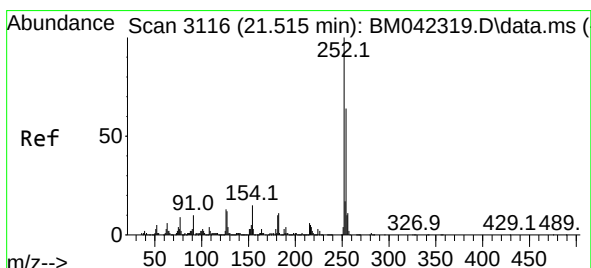
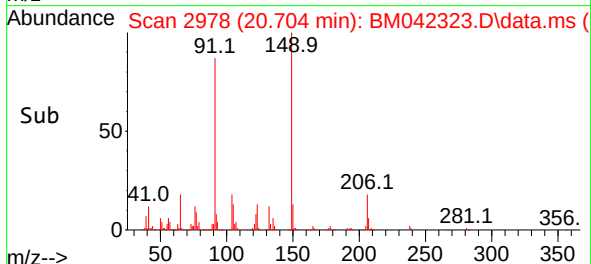
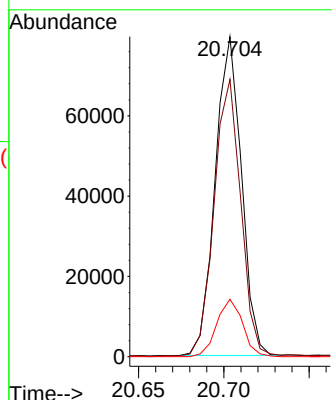
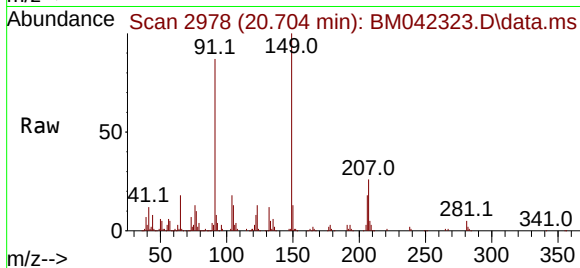
Tgt Ion:	149	Resp:	85138
Ion Ratio	Lower	Upper	
149	100		
91	86.7	67.1	100.7
206	18.0	14.2	21.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/18/2023

Supervised By :mohammad ahmed 10/19/2023



#84

3,3'-Dichlorobenzidine

Concen: 3.736 ng/ul

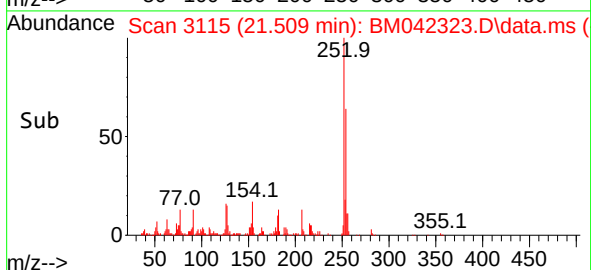
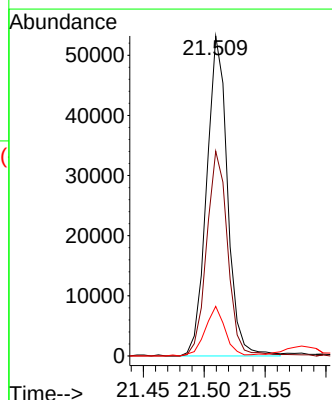
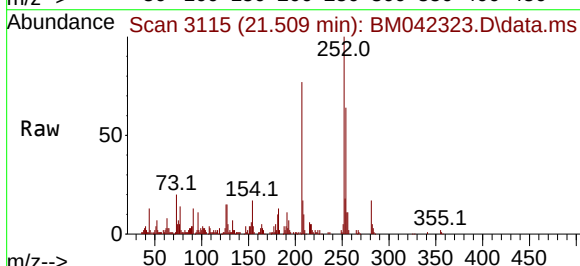
RT: 21.509 min Scan# 3115

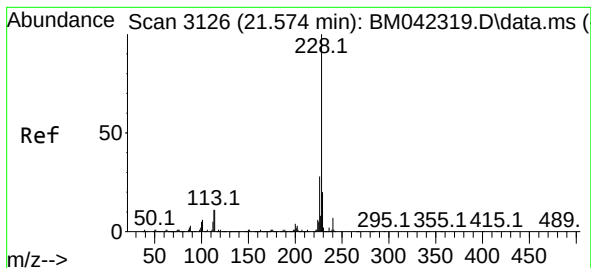
Delta R.T. -0.011 min

Lab File: BM042323.D

Acq: 17 Oct 2023 16:33

Tgt Ion:	252	Resp:	63243
Ion Ratio	Lower	Upper	
252	100		
254	64.0	52.5	78.7
126	15.5	10.4	15.6





#85

Benzo(a)anthracene

Concen: 4.307 ng/ul

RT: 21.568 min Scan# 3126

Delta R.T. -0.012 min

Lab File: BM042323.D

Acq: 17 Oct 2023 16:33

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT3-2023-06

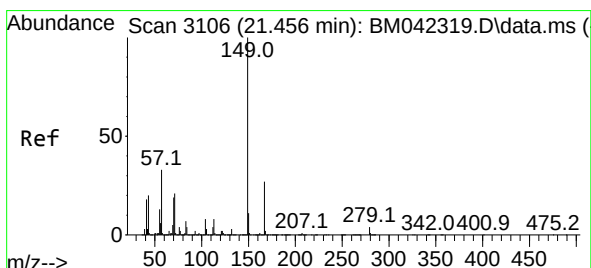
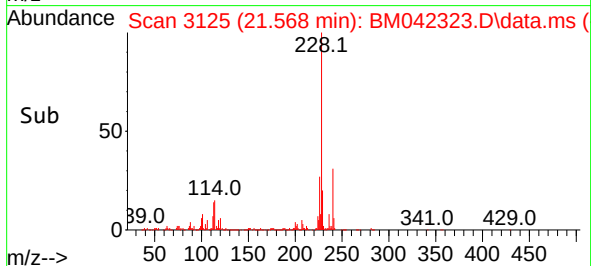
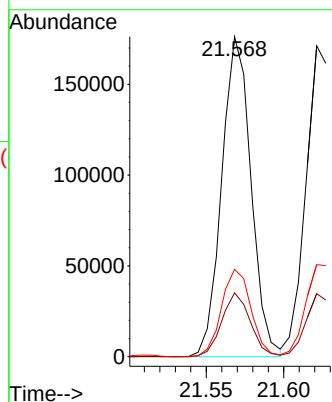
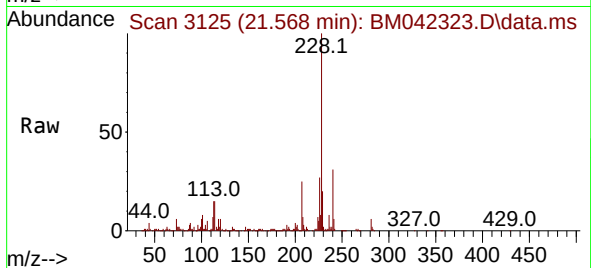
Tgt Ion:228	Resp: 23159
Ion Ratio	Lower Upper
228 100	
229 19.9	15.9 23.9
226 27.3	22.2 33.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/18/2023

Supervised By :mohammad ahmed 10/19/2023



#86

Bis(2-ethylhexyl)phthalate

Concen: 4.000 ng/ul

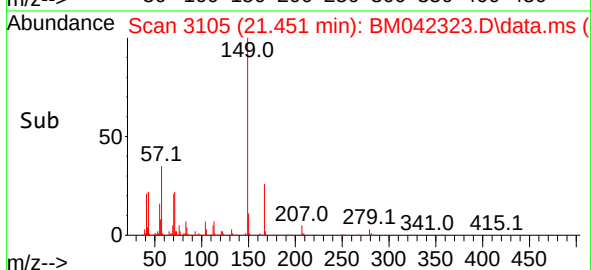
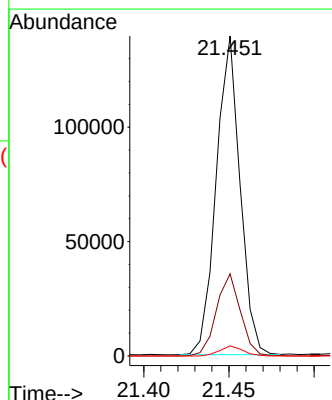
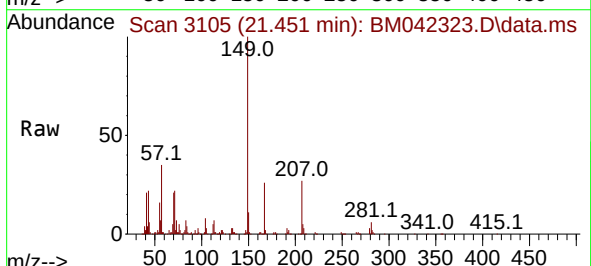
RT: 21.451 min Scan# 3105

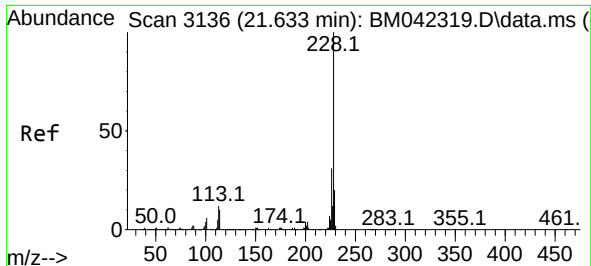
Delta R.T. -0.006 min

Lab File: BM042323.D

Acq: 17 Oct 2023 16:33

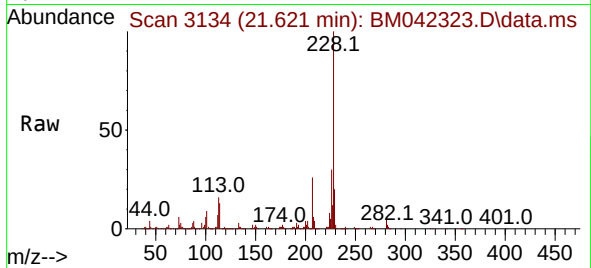
Tgt Ion:149	Resp: 135491
Ion Ratio	Lower Upper
149 100	
167 25.7	21.1 31.7
279 3.2	2.4 3.6





#87
Chrysene
Concen: 4.423 ng/ul
RT: 21.621 min Scan# 3136
Delta R.T. -0.011 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

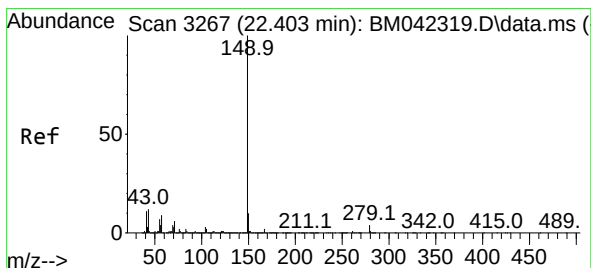
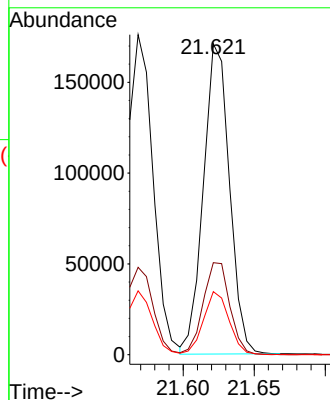
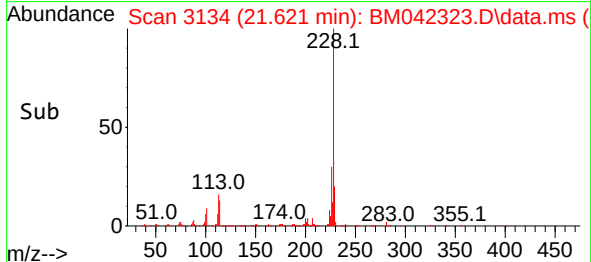
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion:228 Resp: 218679
Ion Ratio Lower Upper
228 100
226 29.6 24.4 36.6
229 20.3 15.7 23.5

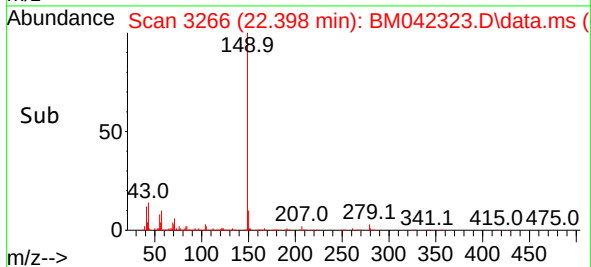
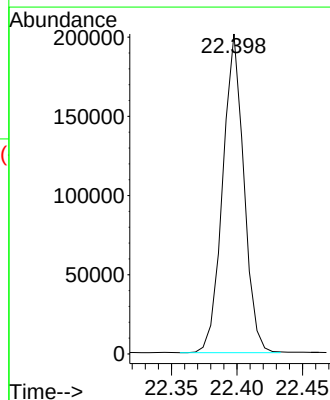
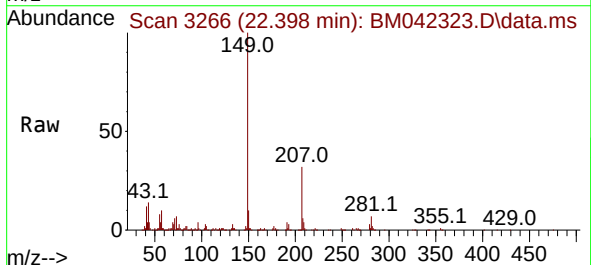
Manual Integrations
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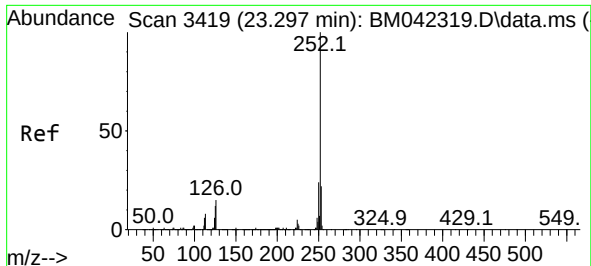
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/19/2023



#89
Di-n-octyl phthalate
Concen: 3.743 ng/ul
RT: 22.398 min Scan# 3266
Delta R.T. -0.011 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

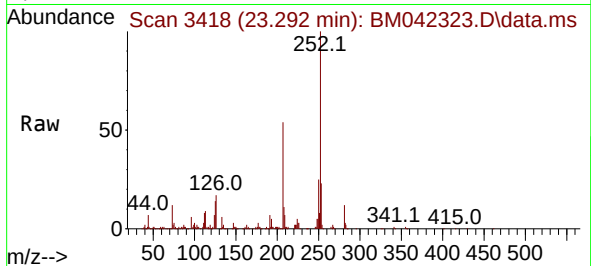
Tgt Ion:149 Resp: 225348





#90
Benzo(b)fluoranthene
Concen: 4.281 ng/ul
RT: 23.292 min Scan# 3419
Delta R.T. -0.017 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

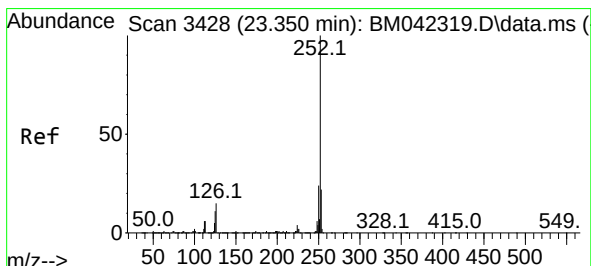
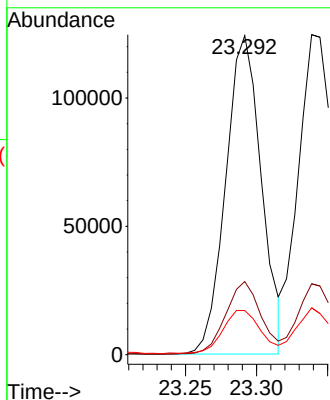
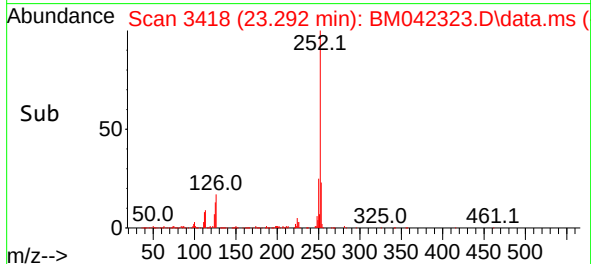
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06



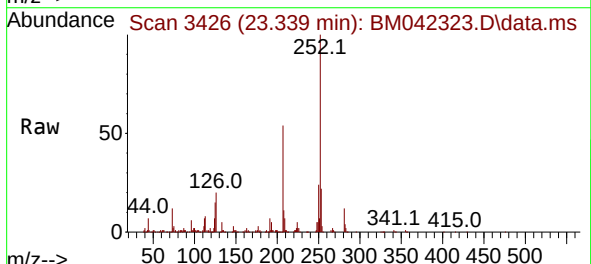
Tgt Ion:252 Resp: 216814
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 13.8 9.4 14.2

Manual Integrations
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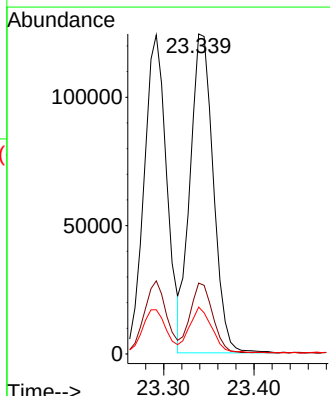
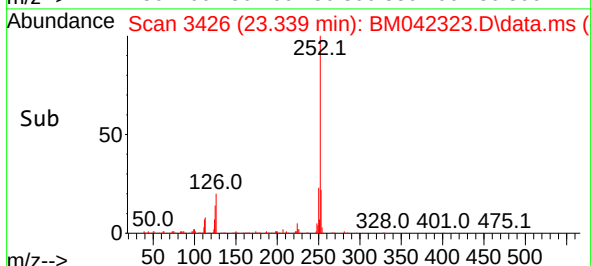
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/19/2023

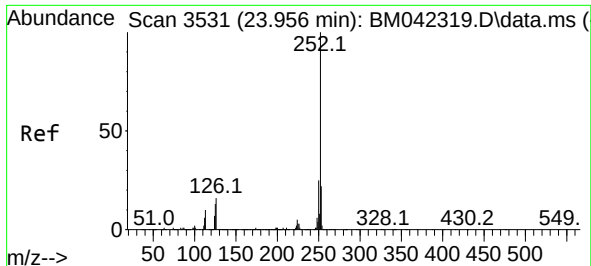


#91
Benzo(k)fluoranthene
Concen: 4.430 ng/ul m
RT: 23.339 min Scan# 3426
Delta R.T. -0.017 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33



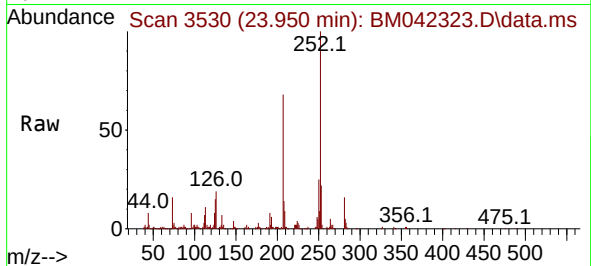
Tgt Ion:252 Resp: 221895
Ion Ratio Lower Upper
252 100
253 22.1 17.7 26.5
125 14.7 9.8 14.6#





#93
Benzo(a)pyrene
Concen: 4.331 ng/ul
RT: 23.950 min Scan# 3531
Delta R.T. -0.012 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

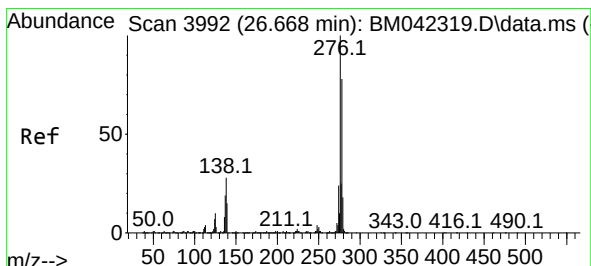
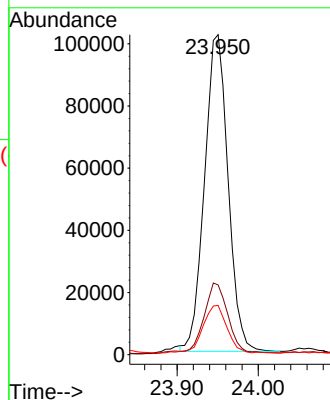
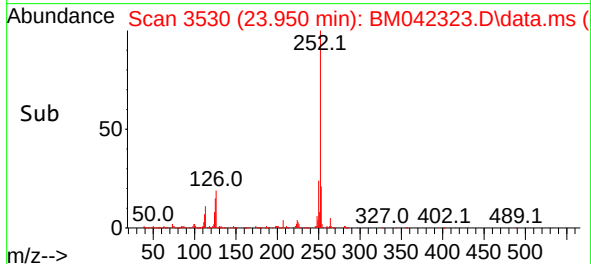
Instrument : BNA_M
ClientSampleId :
MDL-SOIL-QT3-2023-06



Tgt Ion:252 Resp: 205230
Ion Ratio Lower Upper
252 100
253 21.8 17.3 25.9
125 15.4 10.8 16.2

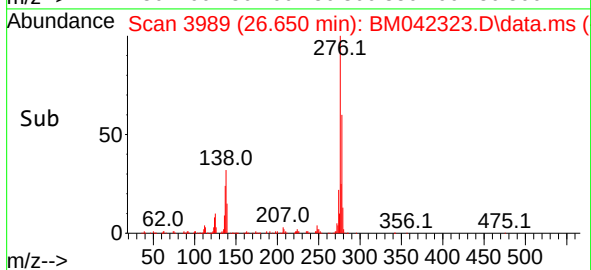
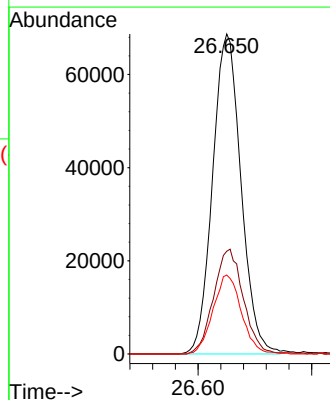
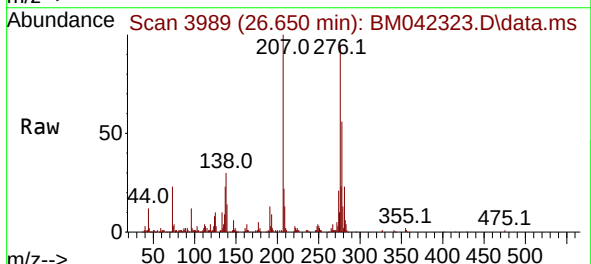
Manual Integrations
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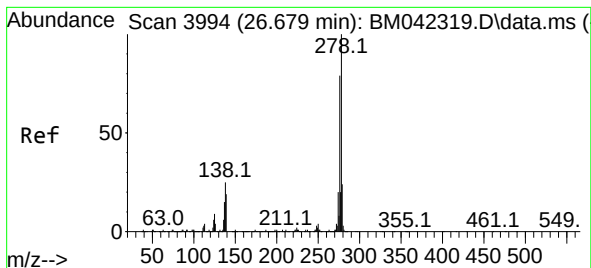
Reviewed By :Yogesh Patel 10/18/2023
Supervised By :mohammad ahmed 10/19/2023



#94
Indeno(1,2,3-cd)pyrene
Concen: 4.140 ng/ul
RT: 26.650 min Scan# 3989
Delta R.T. -0.023 min
Lab File: BM042323.D
Acq: 17 Oct 2023 16:33

Tgt Ion:276 Resp: 238278
Ion Ratio Lower Upper
276 100
138 32.1 22.8 34.2
277 24.7 20.0 30.0





#95

Dibenzo(a,h)anthracene

Concen: 4.152 ng/ul

RT: 26.668 min Scan# 3994

Delta R.T. -0.023 min

Lab File: BM042323.D

Acq: 17 Oct 2023 16:33

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-QT3-2023-06

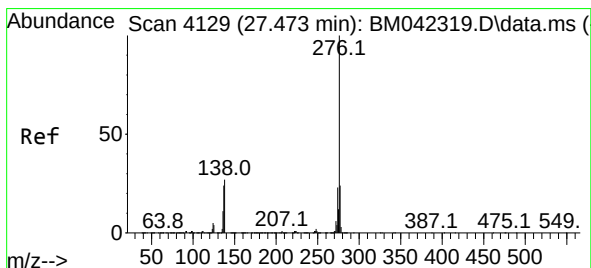
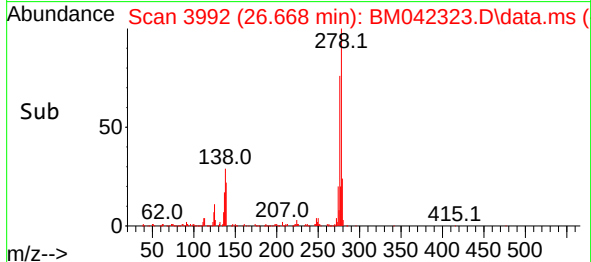
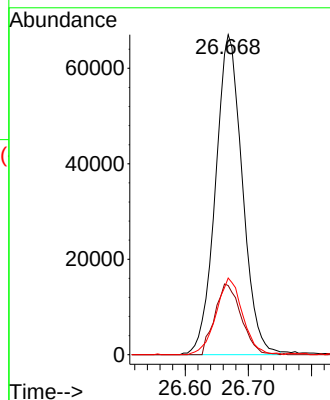
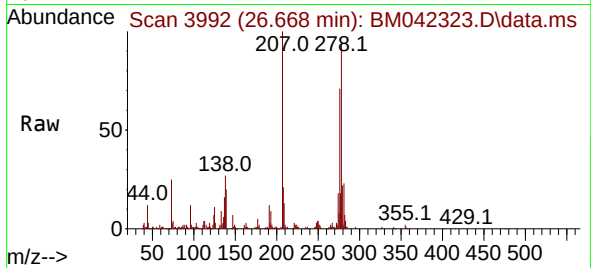
Tgt Ion:	278	Resp:	19824
Ion Ratio	Lower	Upper	
278	100		
139	21.6	15.8	23.8
279	24.0	19.1	28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/18/2023

Supervised By :mohammad ahmed 10/19/2023



#96

Benzo(g,h,i)perylene

Concen: 4.121 ng/ul

RT: 27.456 min Scan# 4126

Delta R.T. -0.035 min

Lab File: BM042323.D

Acq: 17 Oct 2023 16:33

Tgt Ion:	276	Resp:	185522
Ion Ratio	Lower	Upper	
276	100		
138	29.9	22.1	33.1
277	24.3	19.4	29.0

