

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020625\
 Data File : BM049590.D
 Acq On : 06 Feb 2025 22:16
 Operator : RC/JU
 Sample : Q1168-01
 Misc : LOD-MDL-SOIL 4PPM
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2025

Quant Time: Feb 07 01:32:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 04:55:28 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025

02/07/2025
 Supervised By :mohammad
 ahmed

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.822	152	183370	20.000	ng	0.00
21) Naphthalene-d8	10.622	136	667790	20.000	ng	0.00
39) Acenaphthene-d10	14.463	164	408793	20.000	ng	0.00
64) Phenanthrene-d10	17.204	188	774890	20.000	ng	0.00
76) Chrysene-d12	21.439	240	636922	20.000	ng	0.00
86) Perylene-d12	24.468	264	528165	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.393	112	1489935	130.662	ng	0.00
7) Phenol-d6	6.981	99	1916424	128.281	ng	0.00
23) Nitrobenzene-d5	8.975	82	1292134	99.528	ng	0.00
42) 2,4,6-Tribromophenol	15.945	330	602491	124.382	ng	0.00
45) 2-Fluorobiphenyl	13.092	172	3104272	98.373	ng	0.00
79) Terphenyl-d14	19.833	244	5419260	129.928	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.299	88	22246	4.640	ng	96
3) Pyridine	3.704	79	47421	3.559	ng	# 92
4) n-Nitrosodimethylamine	3.604	42	27182	4.361	ng	# 81
6) Aniline	7.145	93	58618	4.140	ng	99
8) 2-Chlorophenol	7.387	128	46801	4.110	ng	93
9) Benzaldehyde	6.957	77	52893	6.687	ng	95
10) Phenol	7.004	94	61926	4.209	ng	87
11) bis(2-Chloroethyl)ether	7.245	93	51061	4.289	ng	95
12) 1,3-Dichlorobenzene	7.716	146	57926	4.383	ng	97
13) 1,4-Dichlorobenzene	7.857	146	58731	4.393	ng	95
14) 1,2-Dichlorobenzene	8.175	146	55417	4.293	ng	99
15) Benzyl Alcohol	8.057	79	35670	3.432	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.345	45	75424	4.707	ng	98
17) 2-Methylphenol	8.257	107	32352	3.596	ng	95
18) Hexachloroethane	8.910	117	19704	4.035	ng	94
19) n-Nitroso-di-n-propyla...	8.628	70	36946	3.777	ng	98
20) 3+4-Methylphenols	8.581	107	40266	3.390	ng	97
22) Acetophenone	8.639	105	74430	4.138	ng	# 93
24) Nitrobenzene	9.016	77	62123	4.925	ng	97
25) Isophorone	9.545	82	92645	3.957	ng	100
26) 2-Nitrophenol	9.728	139	8398	4.283	ng	95
27) 2,4-Dimethylphenol	9.792	122	20972m	2.833	ng	
28) bis(2-Chloroethoxy)met...	10.033	93	59883	3.971	ng	98
29) 2,4-Dichlorophenol	10.263	162	29337	2.877	ng	96
30) 1,2,4-Trichlorobenzene	10.486	180	51198	4.099	ng	98
31) Naphthalene	10.669	128	139236	3.953	ng	98
32) Benzoic acid	9.816	122	5108m	6.342	ng	
33) 4-Chloroaniline	10.769	127	50602	3.839	ng	98
34) Hexachlorobutadiene	10.969	225	29758	3.978	ng	95
35) Caprolactam	11.504	113	7554m	2.429	ng	
36) 4-Chloro-3-methylphenol	11.892	107	28432	2.796	ng	93
37) 2-Methylnaphthalene	12.286	142	89980	3.629	ng	99
38) 1-Methylnaphthalene	12.504	142	84908	3.519	ng	96
40) 1,2,4,5-Tetrachloroben...	12.651	216	51891	3.861	ng	98
41) Hexachlorocyclopentadiene	12.645	237	8793	2.563	ng	96
43) 2,4,6-Trichlorophenol	12.886	196	16949	2.311	ng	93

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020625\
 Data File : BM049590.D
 Acq On : 06 Feb 2025 22:16
 Operator : RC/JU
 Sample : Q1168-01
 Misc : LOD-MDL-SOIL 4PPM
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2025

Quant Time: Feb 07 01:32:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 04:55:28 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025

02/07/2025
 Supervised By :mohammad
 ahmed

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
44) 2,4,5-Trichlorophenol	12.957	196	20325	2.522	ng	96	
46) 1,1'-Biphenyl	13.298	154	127735	4.096	ng	99	
47) 2-Chloronaphthalene	13.333	162	96246	3.989	ng	98	
48) 2-Nitroaniline	13.527	65	15018	6.285	ng	95	
49) Acenaphthylene	14.180	152	140915	3.961	ng	99	
50) Dimethylphthalate	13.916	163	104864	3.572	ng	100	
51) 2,6-Dinitrotoluene	14.021	165	15107	2.974	ng	#	77
52) Acenaphthene	14.527	154	85269	3.611	ng	98	
53) 3-Nitroaniline	14.351	138	15029	2.906	ng	#	93
54) 2,4-Dinitrophenol	14.551	184	2207	4.933	ng	#	70
55) Dibenzofuran	14.857	168	139188	3.702	ng	98	
57) 2,4-Dinitrotoluene	14.810	165	15628	5.094	ng	88	
58) Fluorene	15.510	166	108265	3.366	ng	94	
59) 2,3,4,6-Tetrachlorophenol	15.080	232	16701	2.453	ng	#	97
60) Diethylphthalate	15.286	149	98990	3.355	ng	99	
61) 4-Chlorophenyl-phenyle...	15.510	204	58695	3.428	ng	98	
62) 4-Nitroaniline	15.504	138	13921	6.108	ng	83	
63) Azobenzene	15.798	77	117485	3.815	ng	96	
65) 4,6-Dinitro-2-methylph...	15.574	198	2989	5.809	ng	92	
66) n-Nitrosodiphenylamine	15.715	169	82922	3.393	ng	95	
67) 4-Bromophenyl-phenylether	16.398	248	31352	3.483	ng	97	
68) Hexachlorobenzene	16.509	284	37314	3.611	ng	94	
69) Atrazine	16.668	200	22526	3.101	ng	96	
70) Pentachlorophenol	16.851	266	9621	8.960	ng	92	
71) Phenanthrene	17.245	178	163022	3.693	ng	99	
72) Anthracene	17.333	178	149995	3.432	ng	98	
73) Carbazole	17.598	167	133448	3.478	ng	97	
74) Di-n-butylphthalate	18.186	149	123952	2.546	ng	#	98
75) Fluoranthene	19.256	202	164872	3.190	ng	98	
77) Benzidine	19.439	184	13265	2.352	ng	98	
78) Pyrene	19.615	202	176102	3.693	ng	99	
81) Benzo(a)anthracene	21.421	228	160039	3.708	ng	98	
82) 3,3'-Dichlorobenzidine	21.344	252	23474	2.021	ng	#	92
83) Chrysene	21.486	228	155224	3.838	ng	99	
87) Indeno(1,2,3-cd)pyrene	27.891	276	110543	3.832	ng	#	91
88) Benzo(b)fluoranthene	23.515	252	118938	3.273	ng	98	
89) Benzo(k)fluoranthene	23.580	252	129008m	3.656	ng		
90) Benzo(a)pyrene	24.327	252	94963	3.298	ng	93	
91) Dibenzo(a,h)anthracene	27.956	278	84358m	3.700	ng		
92) Benzo(g,h,i)perylene	28.950	276	95950m	3.768	ng		

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

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM020625\
 Data File : BM049590.D
 Acq On : 06 Feb 2025 22:16
 Operator : RC/JU
 Sample : Q1168-01
 Misc : LOD-MDL-SOIL 4PPM
 ALS Vial : 15 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2025

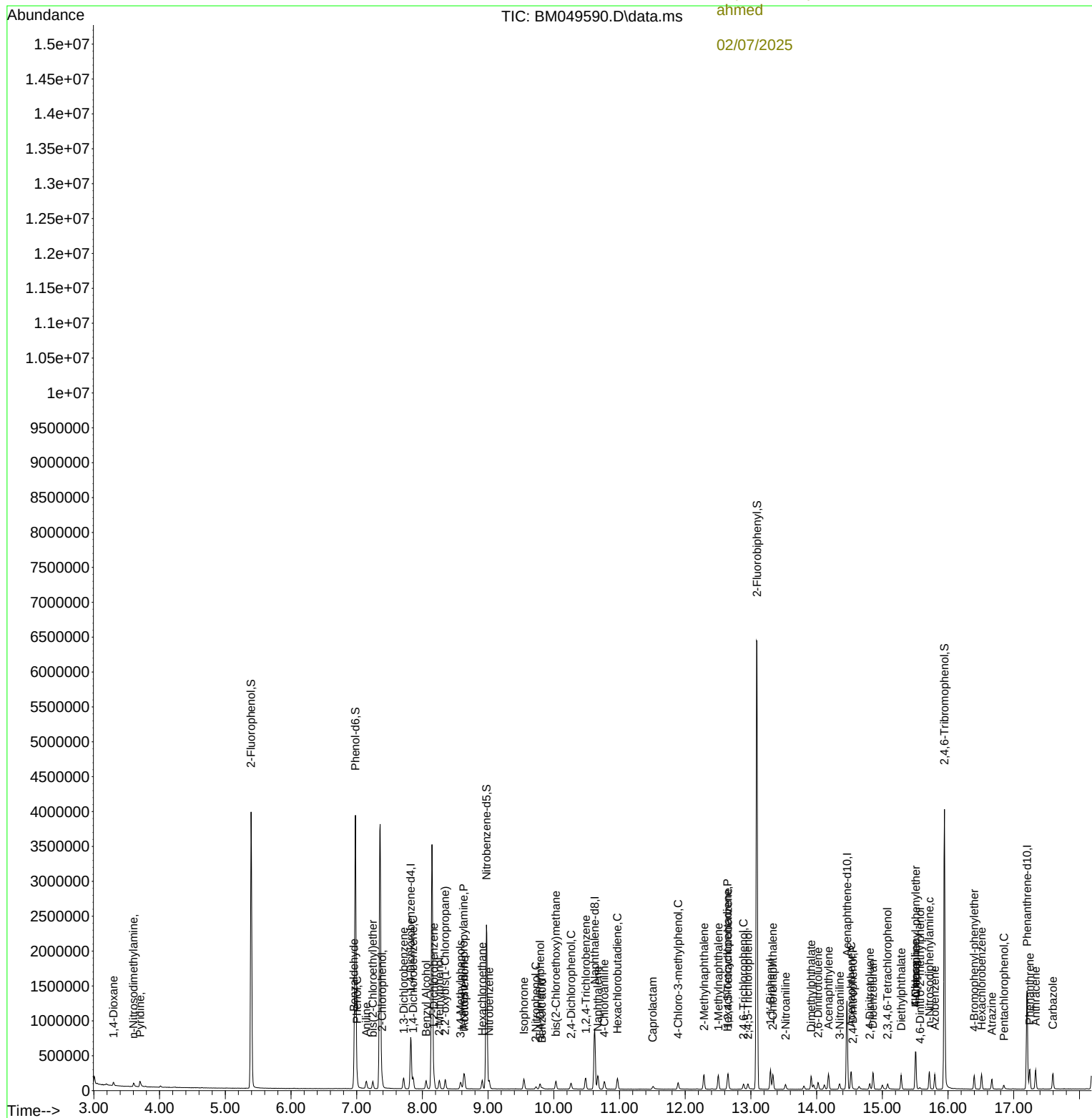
Quant Time: Feb 07 01:32:01 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Feb 06 04:55:28 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
 Supervised By :mohammad ahmed 02/07/2025

02/07/2025
 Supervised By :mohammad
 ahmed

02/07/2025

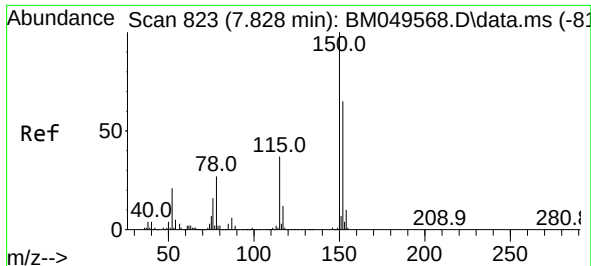


Manual Integrations
APPROVED

02/07/2025
Supervised By :mohammad
ahmed

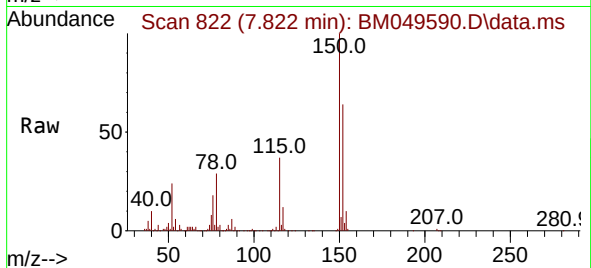
Quant Time: Feb 07 01:32:01 2025
Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM020525.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Thu Feb 06 04:55:28 2025
Response via : Initial Calibration





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.822 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



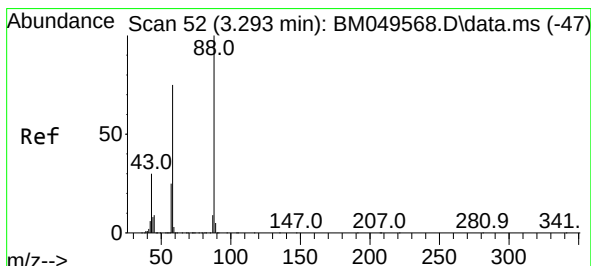
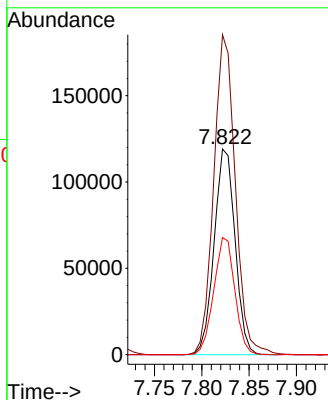
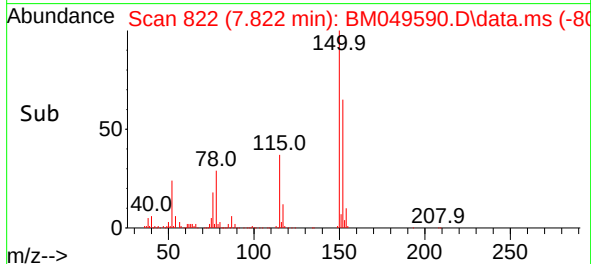
Tgt Ion:152 Resp: 183370
Ion Ratio Lower Upper
152 100
150 155.5 122.6 184.0
115 56.9 45.4 68.0

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

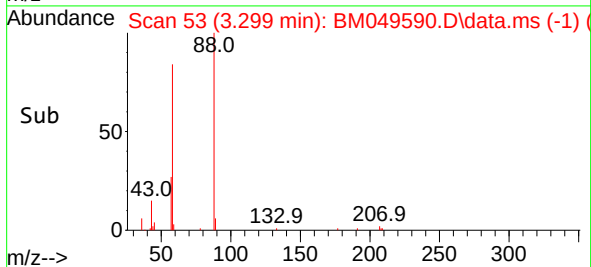
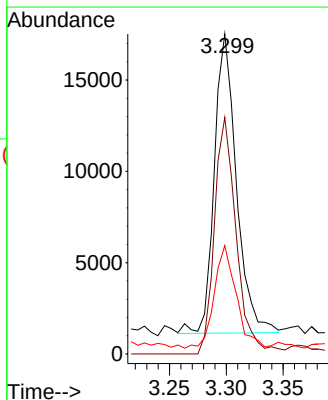
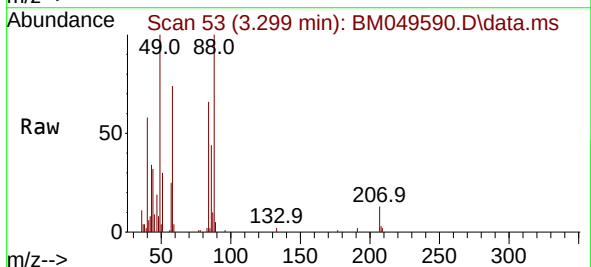
02/07/2025
Supervised By :mohammad
ahmed

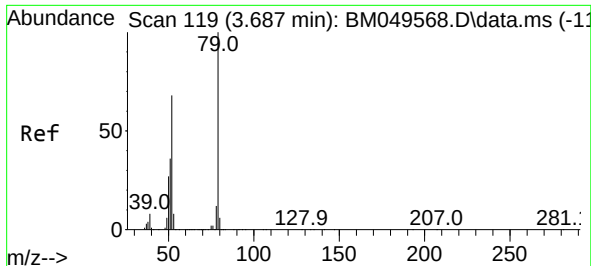
02/07/2025



#2
1,4-Dioxane
Concen: 4.640 ng
RT: 3.299 min Scan# 53
Delta R.T. 0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

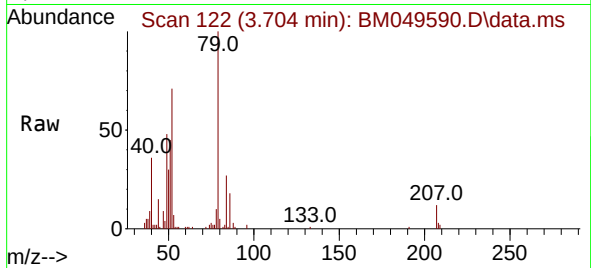
Tgt Ion: 88 Resp: 22246
Ion Ratio Lower Upper
88 100
58 77.9 60.0 90.0
43 33.8 24.4 36.6





#3
Pyridine
Concen: 3.559 ng
RT: 3.704 min Scan# 119
Delta R.T. 0.018 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



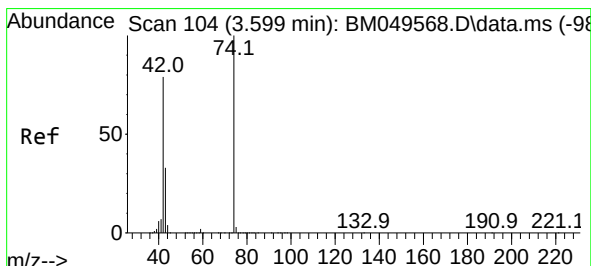
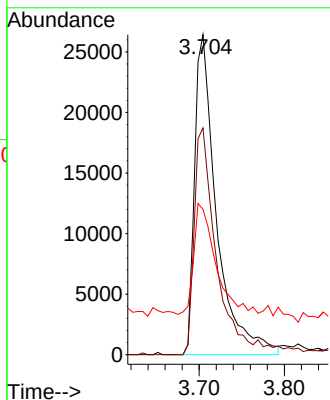
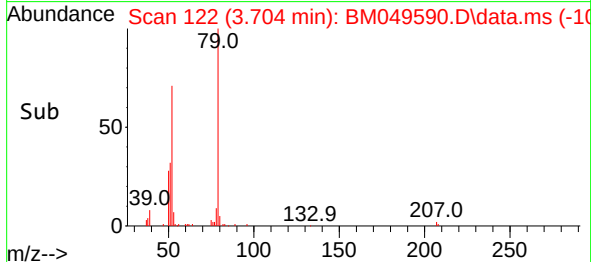
Tgt Ion: 79 Resp: 4742
Ion Ratio Lower Upper
79 100
52 70.9 54.5 81.7
51 45.4 29.0 43.6

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

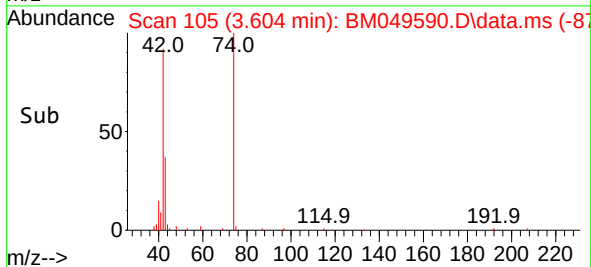
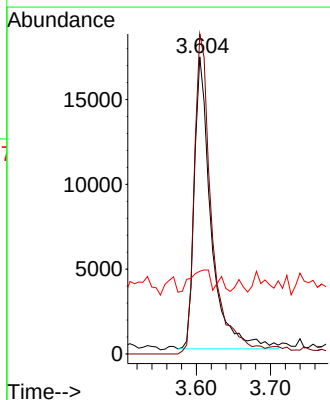
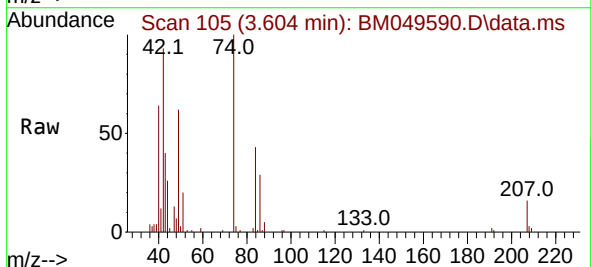
02/07/2025
Supervised By :mohammad
ahmed

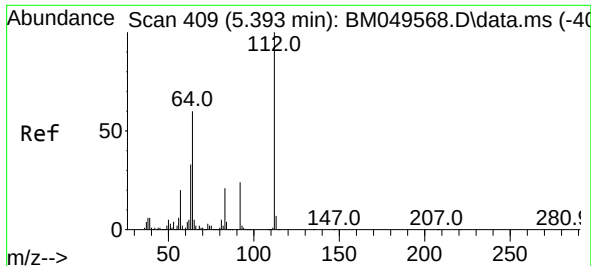
02/07/2025



#4
n-Nitrosodimethylamine
Concen: 4.361 ng
RT: 3.604 min Scan# 105
Delta R.T. 0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Tgt Ion: 42 Resp: 27182
Ion Ratio Lower Upper
42 100
74 107.7 101.3 151.9
44 27.9 6.5 9.7





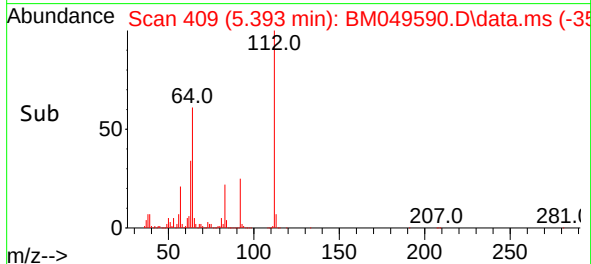
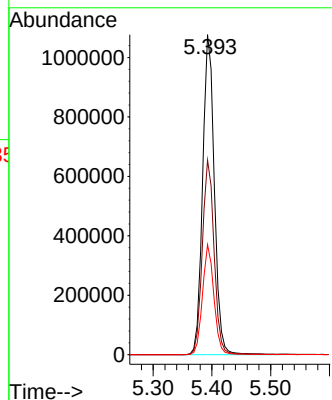
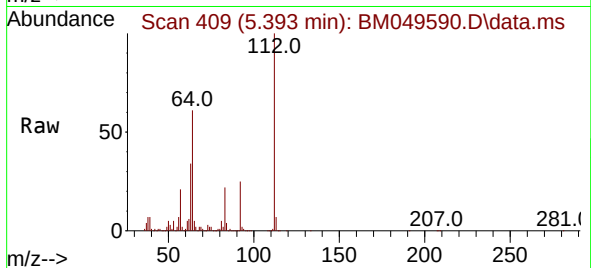
#5
2-Fluorophenol
Concen: 130.662 ng
RT: 5.393 min Scan# 409
Delta R.T. 0.000 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:112 Resp: 1489935
Ion Ratio Lower Upper
112 100
64 60.8 47.8 71.8
63 34.4 26.2 39.4

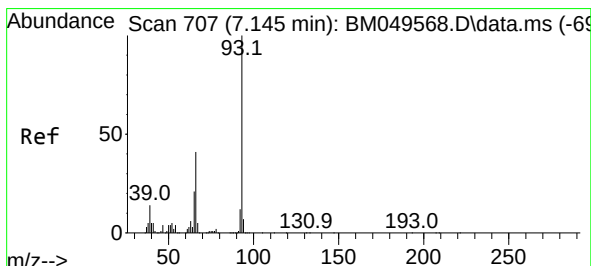
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



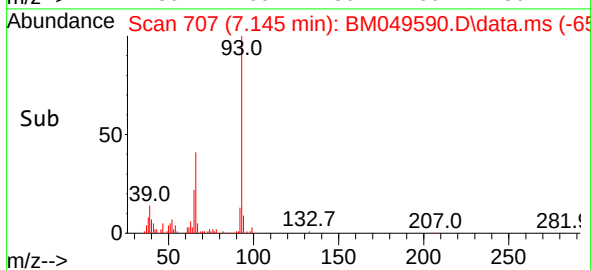
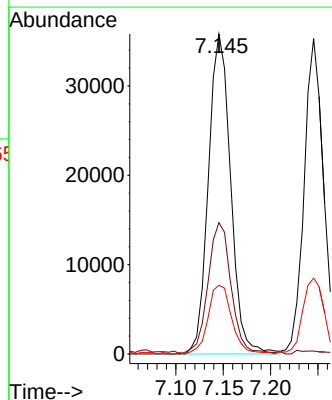
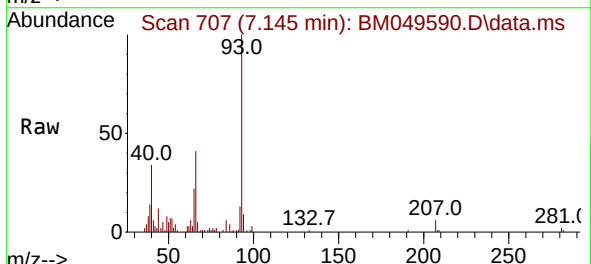
02/07/2025
Supervised By :mohammad
ahmed

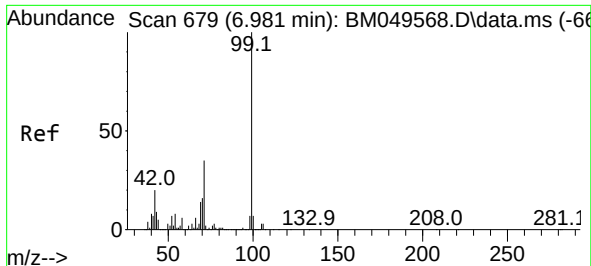
02/07/2025



#6
Aniline
Concen: 4.140 ng
RT: 7.145 min Scan# 707
Delta R.T. 0.000 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

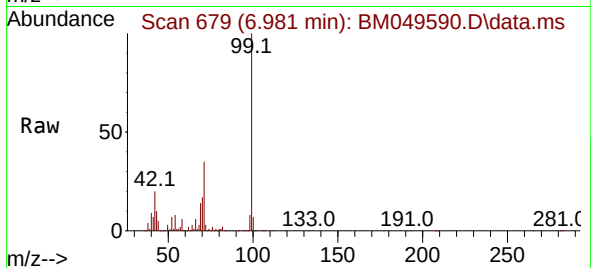
Tgt Ion: 93 Resp: 58618
Ion Ratio Lower Upper
93 100
66 41.1 33.3 49.9
65 21.5 16.8 25.2





#7
Phenol-d6
Concen: 128.281 ng
RT: 6.981 min Scan# 679
Delta R.T. 0.000 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



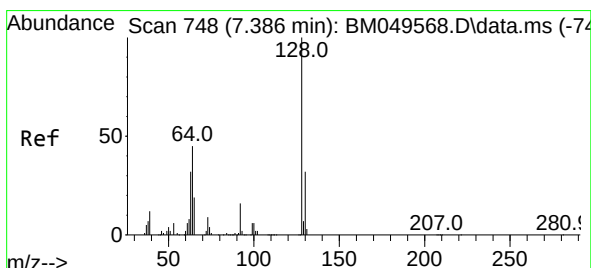
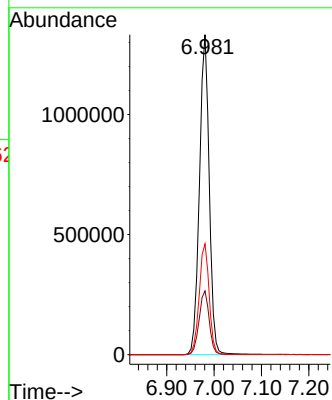
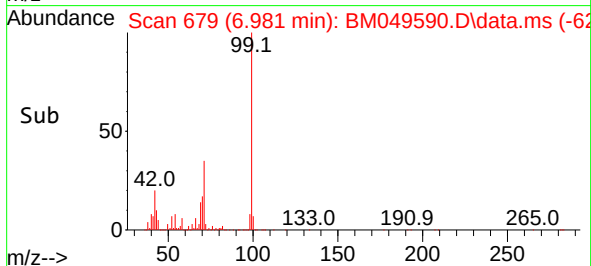
Tgt Ion: 99 Resp: 1916424
Ion Ratio Lower Upper
99 100
42 20.0 16.0 24.0
71 34.7 27.8 41.6

Manual Integrations
APPROVED

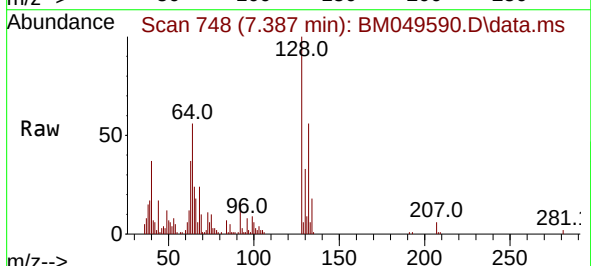
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

02/07/2025
Supervised By :mohammad
ahmed

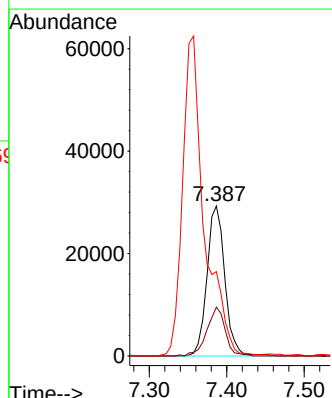
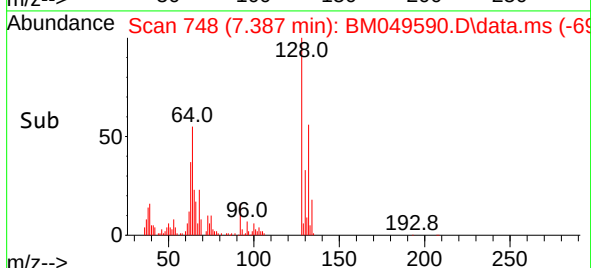
02/07/2025

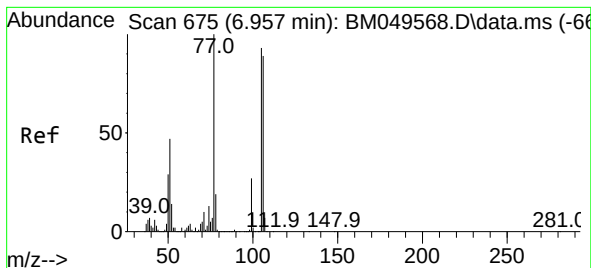


#8
2-Chlorophenol
Concen: 4.110 ng
RT: 7.387 min Scan# 748
Delta R.T. 0.000 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16



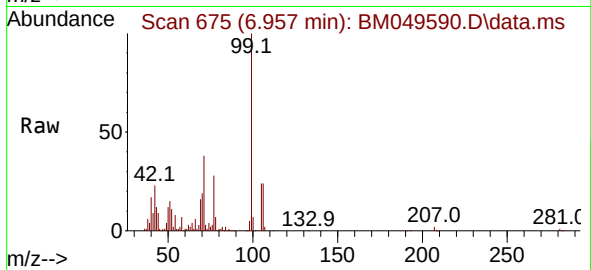
Tgt Ion:128 Resp: 46801
Ion Ratio Lower Upper
128 100
130 32.5 12.4 52.4
64 56.3 28.7 68.7





#9
Benzaldehyde
Concen: 6.687 ng
RT: 6.957 min Scan# 61
Delta R.T. 0.000 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

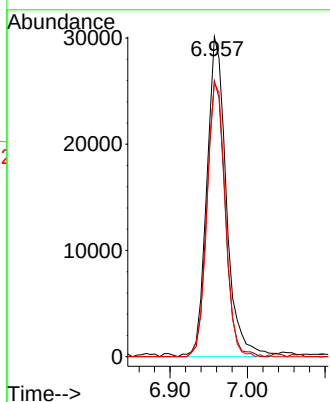
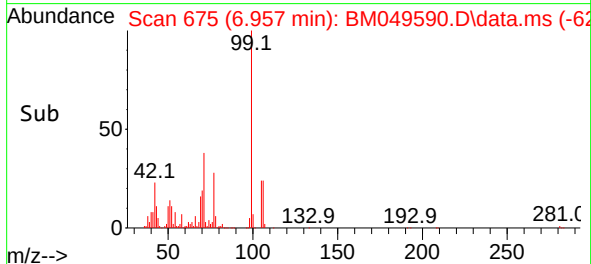
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 77 Resp: 5289
Ion Ratio Lower Upper
77 100
105 86.2 72.7 112.7
106 85.6 68.9 108.9

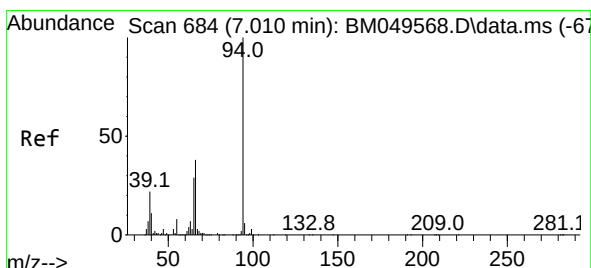
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

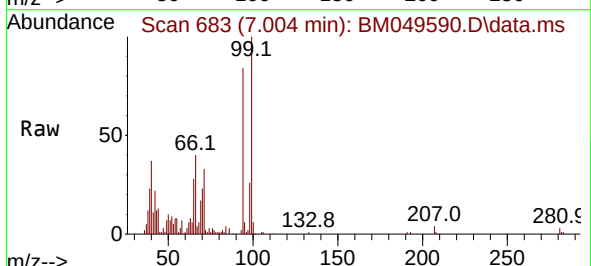


02/07/2025
Supervised By :mohammad
ahmed

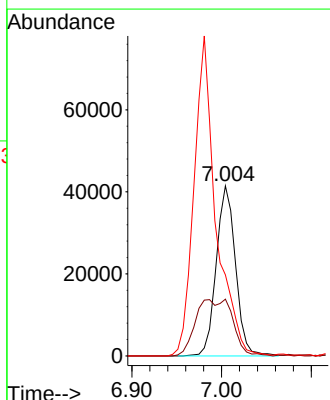
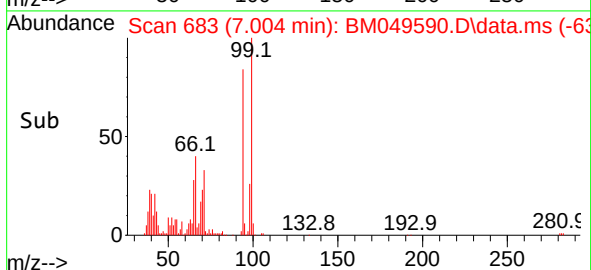
02/07/2025

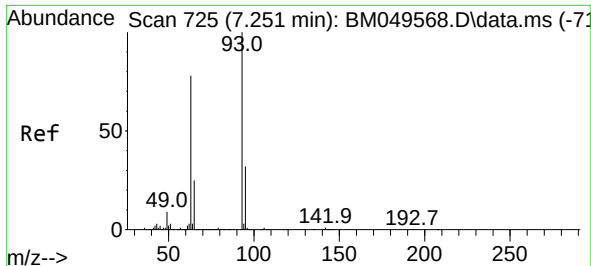


#10
Phenol
Concen: 4.209 ng
RT: 7.004 min Scan# 683
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16



Tgt Ion: 94 Resp: 61926
Ion Ratio Lower Upper
94 100
65 33.4 9.3 49.3
66 47.7 17.7 57.7





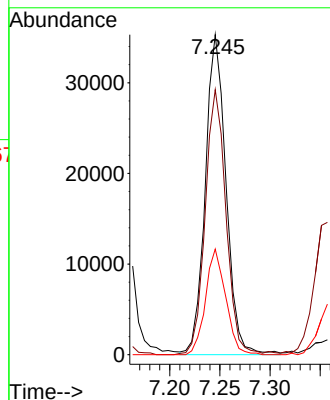
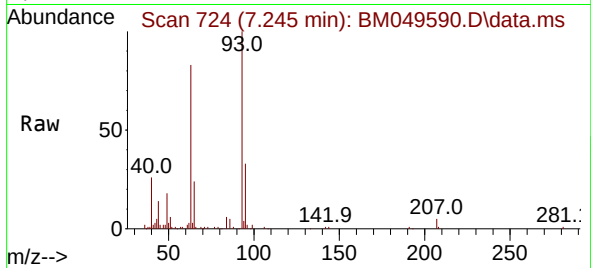
#11
bis(2-Chloroethyl)ether
Concen: 4.289 ng
RT: 7.245 min Scan# 71
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

Tgt Ion: 93 Resp: 5106
Ion Ratio Lower Upper
93 100
63 82.8 57.3 97.3
95 33.0 12.1 52.1

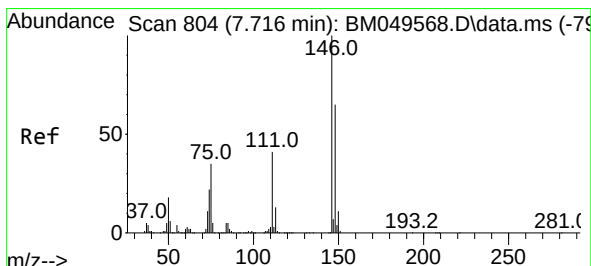
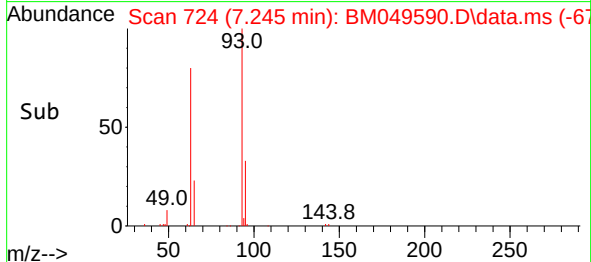
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



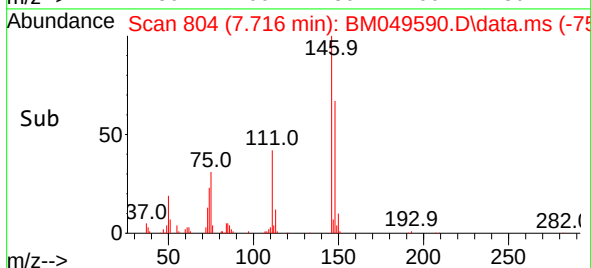
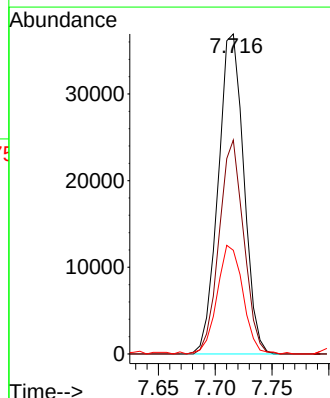
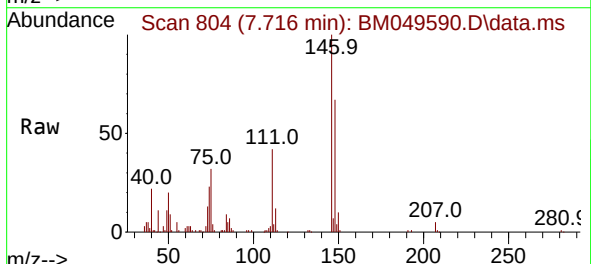
02/07/2025
Supervised By :mohammad
ahmed

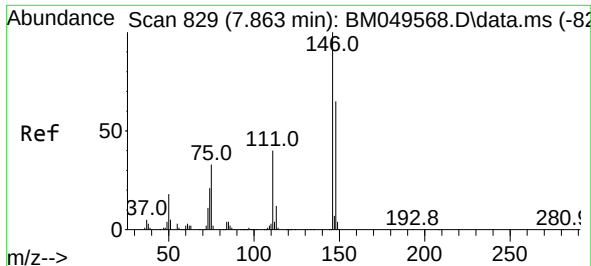
02/07/2025



#12
1,3-Dichlorobenzene
Concen: 4.383 ng
RT: 7.716 min Scan# 804
Delta R.T. 0.000 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Tgt Ion:146 Resp: 57926
Ion Ratio Lower Upper
146 100
148 66.9 52.2 78.2
75 32.4 28.3 42.5





#13
1,4-Dichlorobenzene
Concen: 4.393 ng
RT: 7.857 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

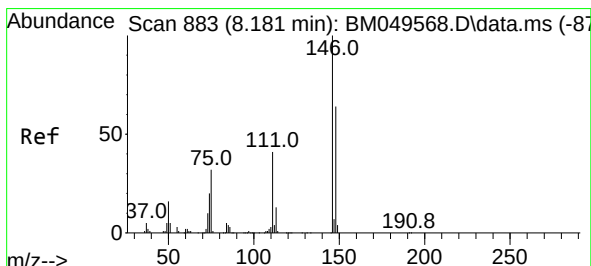
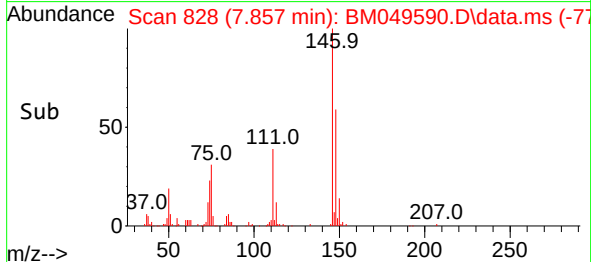
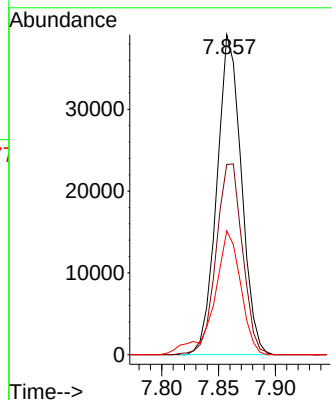
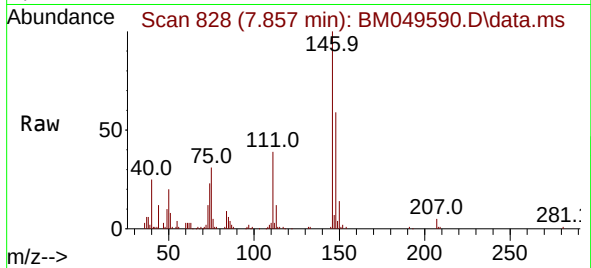
Tgt Ion:146 Resp: 5873
Ion Ratio Lower Upper
146 100
148 59.4 52.1 78.1
111 38.7 31.7 47.5

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

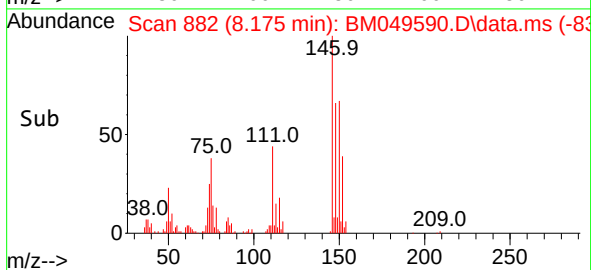
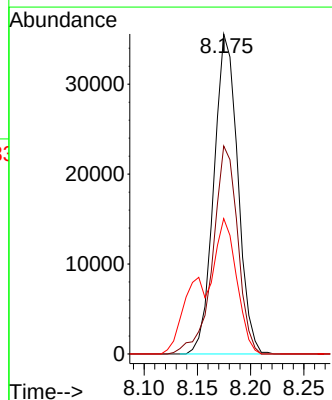
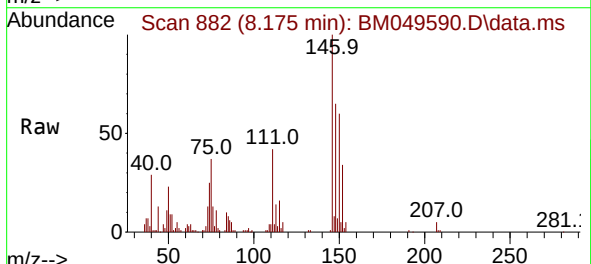
02/07/2025
Supervised By :mohammad
ahmed

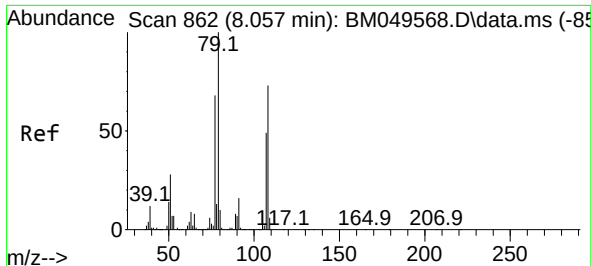
02/07/2025



#14
1,2-Dichlorobenzene
Concen: 4.293 ng
RT: 8.175 min Scan# 882
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

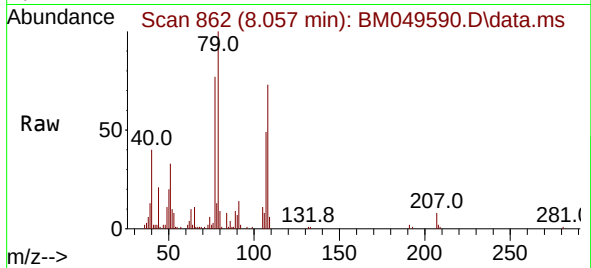
Tgt Ion:146 Resp: 55417
Ion Ratio Lower Upper
146 100
148 65.0 51.5 77.3
111 42.3 33.4 50.0





#15
Benzyl Alcohol
Concen: 3.432 ng
RT: 8.057 min Scan# 80
Delta R.T. 0.000 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



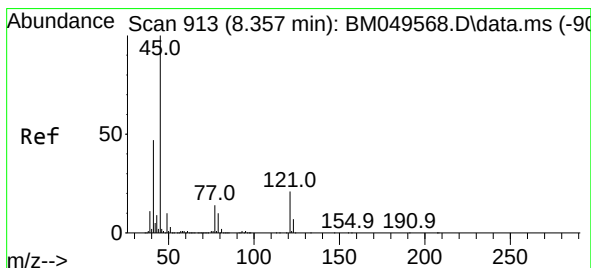
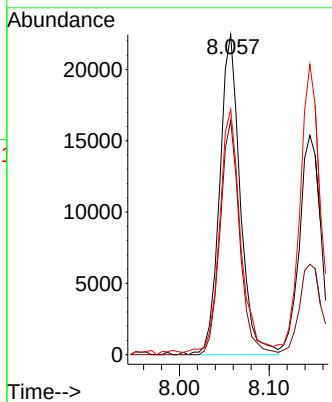
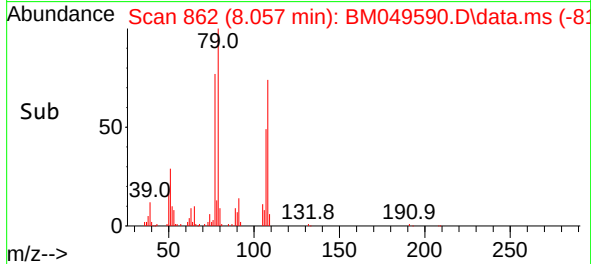
Tgt Ion: 79 Resp: 35670
Ion Ratio Lower Upper
79 100
108 73.2 58.6 88.0
77 76.6 54.0 81.0

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

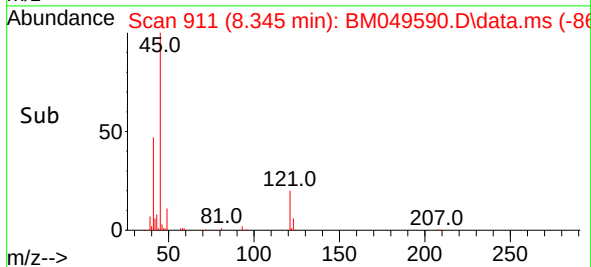
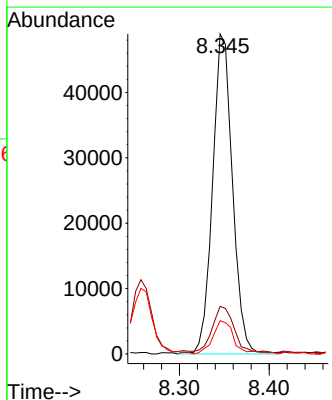
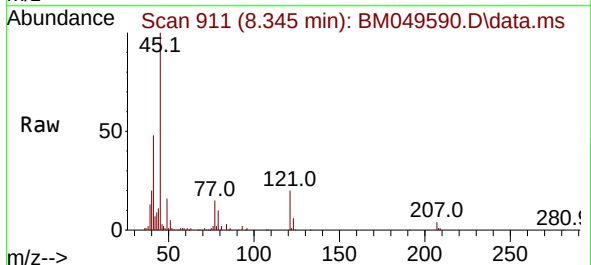
02/07/2025
Supervised By :mohammad
ahmed

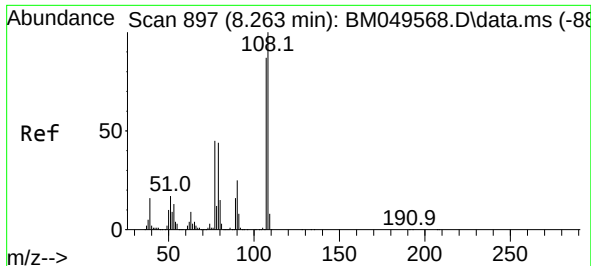
02/07/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.707 ng
RT: 8.345 min Scan# 911
Delta R.T. -0.012 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Tgt Ion: 45 Resp: 75424
Ion Ratio Lower Upper
45 100
77 14.8 0.0 34.0
79 10.4 0.0 30.8





#17
2-Methylphenol
Concen: 3.596 ng
RT: 8.257 min Scan# 897
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025

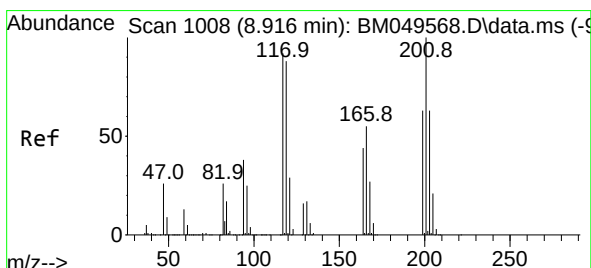
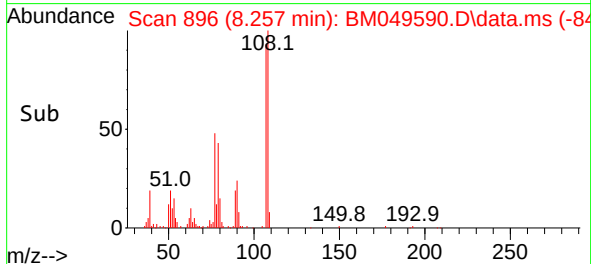
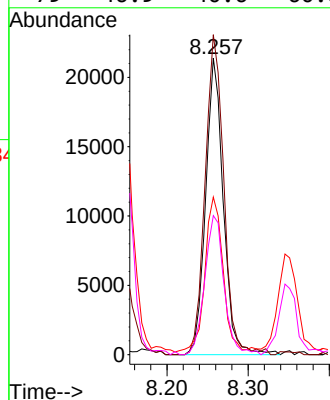
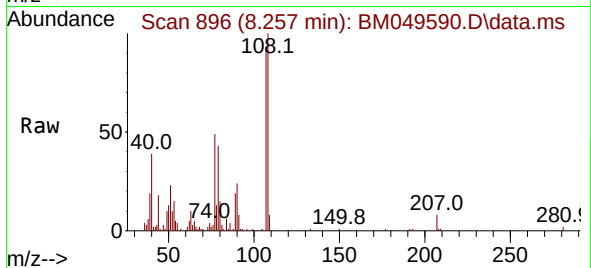
Tgt Ion:	107	Resp:	3235
Ion	Ratio	Lower	Upper
107	100		
108	107.9	92.2	138.4
77	53.1	41.3	61.9
79	46.9	40.6	60.8

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

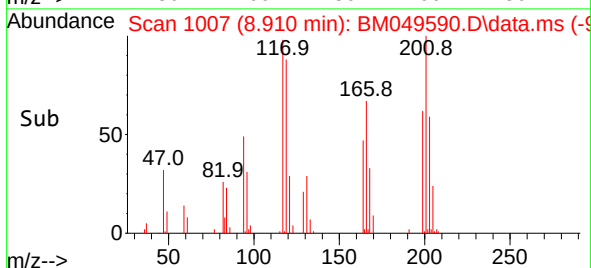
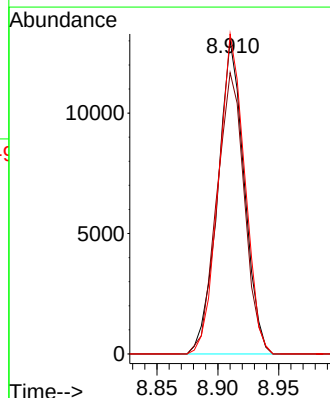
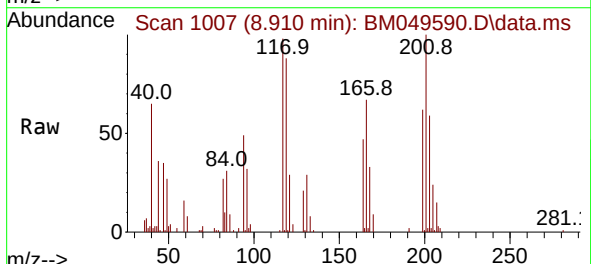
02/07/2025
Supervised By :mohammad
ahmed

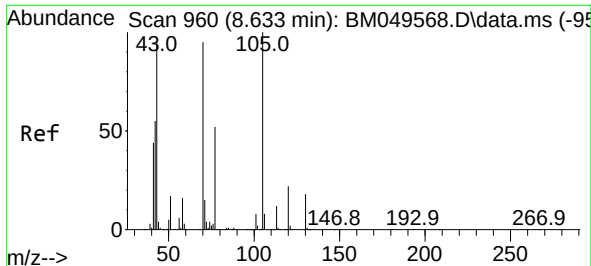
02/07/2025



#18
Hexachloroethane
Concen: 4.035 ng
RT: 8.910 min Scan# 1007
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Tgt Ion:	117	Resp:	19704
Ion	Ratio	Lower	Upper
117	100		
119	89.7	76.8	115.2
201	102.1	87.0	130.6





#19

n-Nitroso-di-n-propylamine

Concen: 3.777 ng

RT: 8.628 min Scan# 91

Delta R.T. -0.006 min

Lab File: BM049590.D

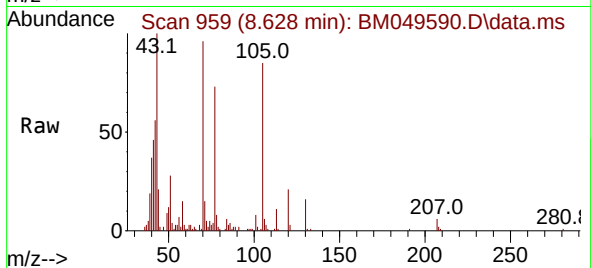
Acq: 06 Feb 2025 22:16

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025



Tgt Ion: 70 Resp: 3694

Ion Ratio Lower Upper

70 100

42 58.7 47.4 71.2

101 8.9 7.1 10.7

130 16.5 15.3 22.9

Manual Integrations

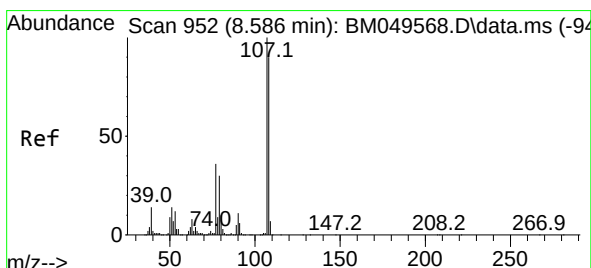
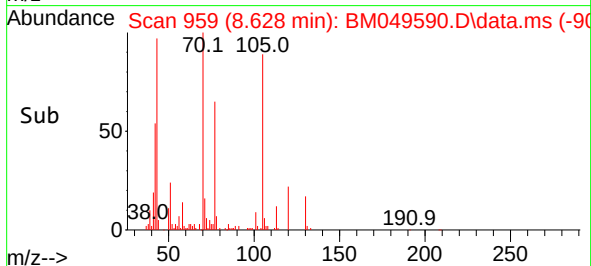
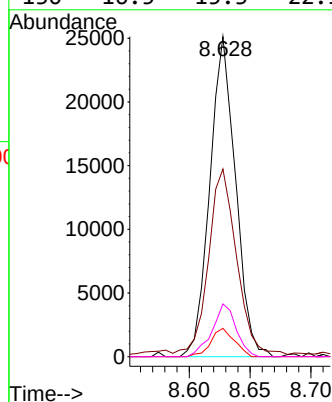
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

02/07/2025

Supervised By :mohammad
ahmed

02/07/2025



#20

3+4-Methylphenols

Concen: 3.390 ng

RT: 8.581 min Scan# 951

Delta R.T. -0.006 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

Tgt Ion:107 Resp: 40266

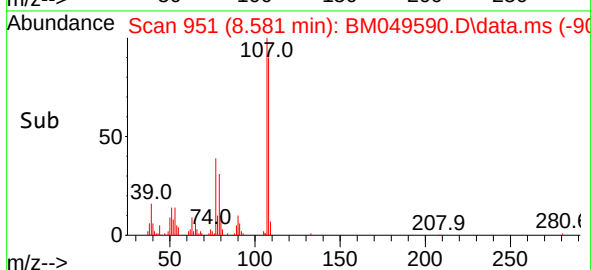
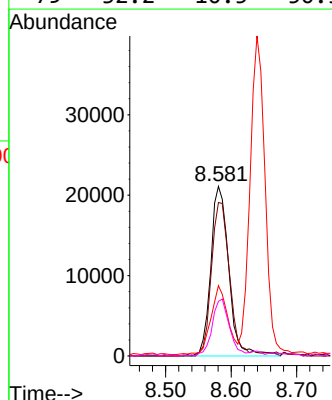
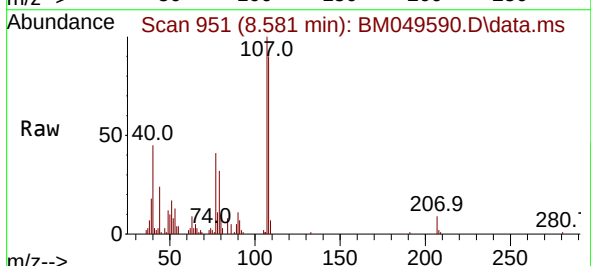
Ion Ratio Lower Upper

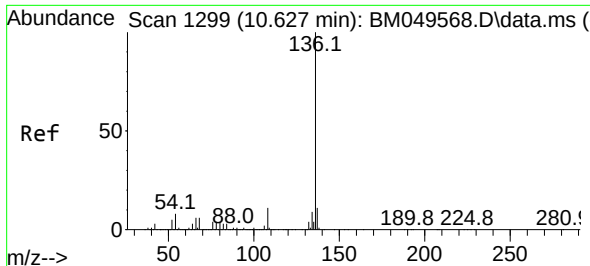
107 100

108 90.5 69.6 109.6

77 41.4 16.0 56.0

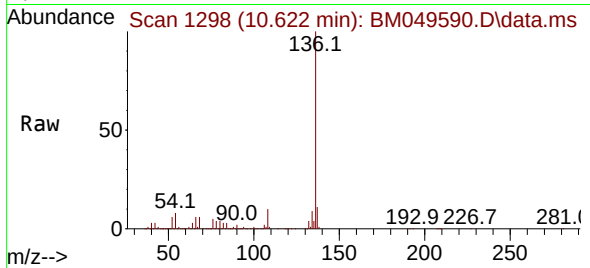
79 32.2 10.5 50.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.622 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



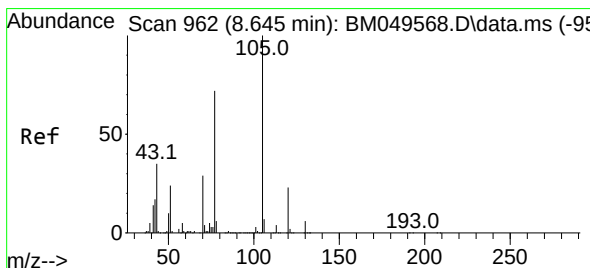
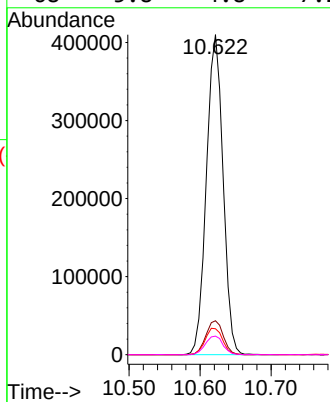
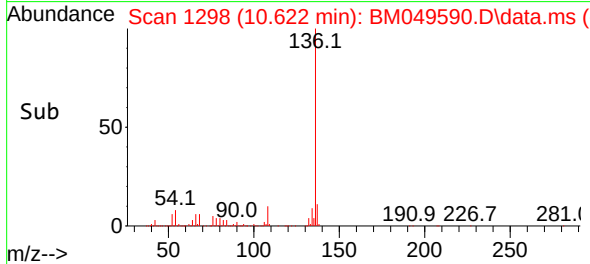
Tgt Ion:136 Resp: 667790
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 8.1 6.6 10.0
68 5.8 4.8 7.2

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

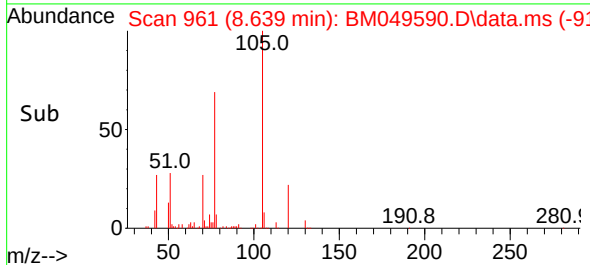
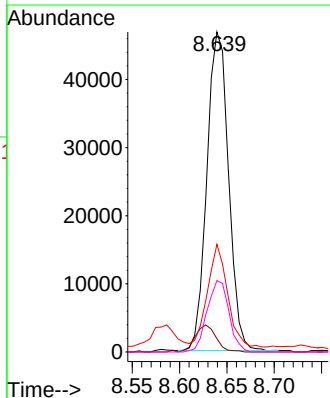
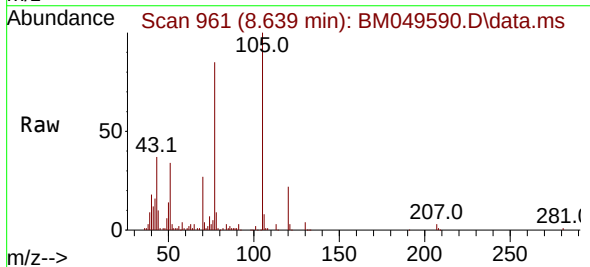
02/07/2025
Supervised By :mohammad
ahmed

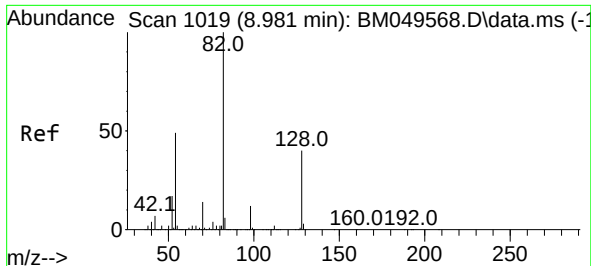
02/07/2025



#22
Acetophenone
Concen: 4.138 ng
RT: 8.639 min Scan# 961
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

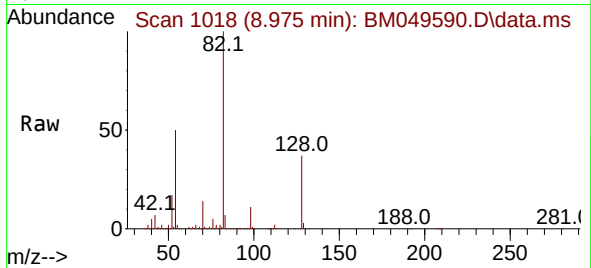
Tgt Ion:105 Resp: 74430
Ion Ratio Lower Upper
105 100
71 4.2 3.5 5.3
51 33.6 21.7 32.5#
120 22.3 18.1 27.1





#23
Nitrobenzene-d5
Concen: 99.528 ng
RT: 8.975 min Scan# 1018
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



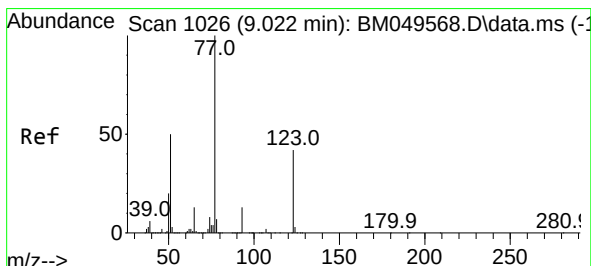
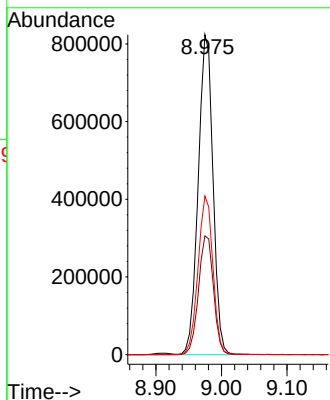
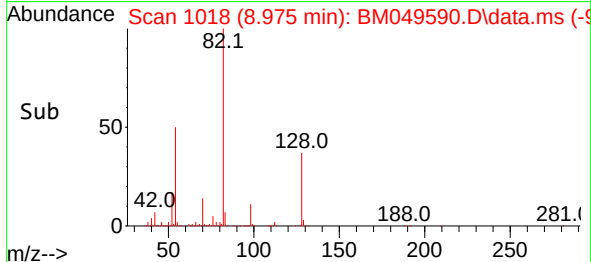
Tgt Ion: 82 Resp: 1292134
Ion Ratio Lower Upper
82 100
128 37.2 31.6 47.4
54 49.6 39.4 59.0

Manual Integrations
APPROVED

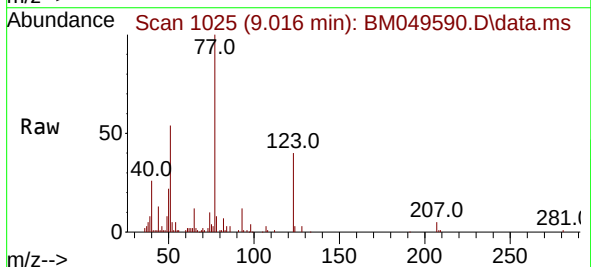
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

02/07/2025
Supervised By :mohammad
ahmed

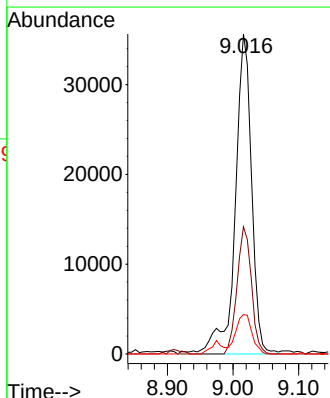
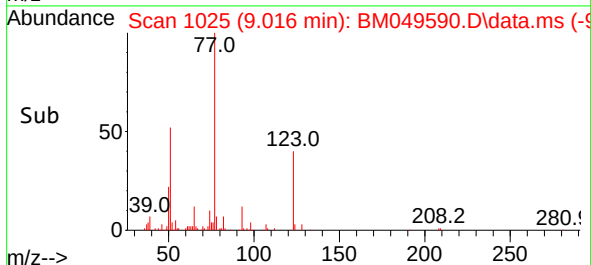
02/07/2025

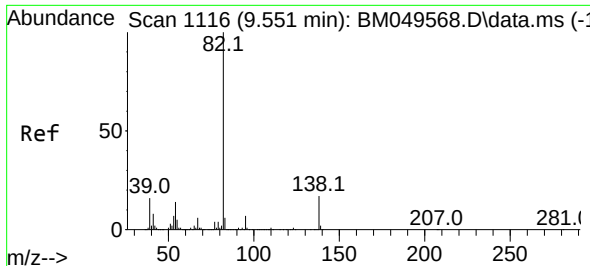


#24
Nitrobenzene
Concen: 4.925 ng
RT: 9.016 min Scan# 1025
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16



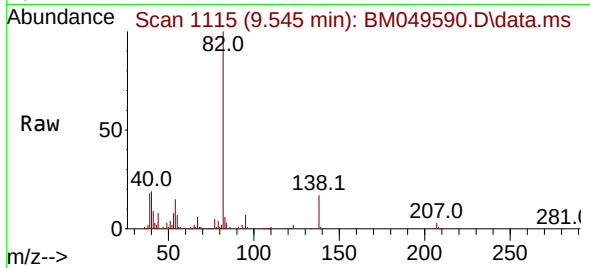
Tgt Ion: 77 Resp: 62123
Ion Ratio Lower Upper
77 100
123 39.7 33.4 50.2
65 12.3 10.5 15.7





#25
Isophorone
Concen: 3.957 ng
RT: 9.545 min Scan# 1115
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



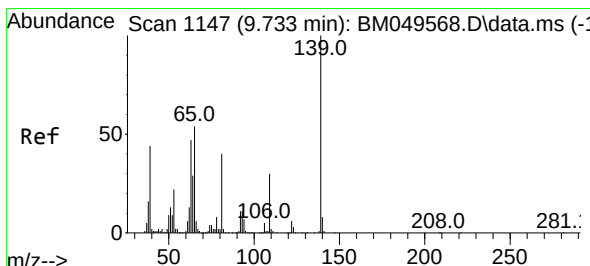
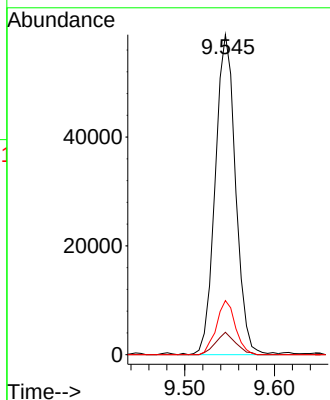
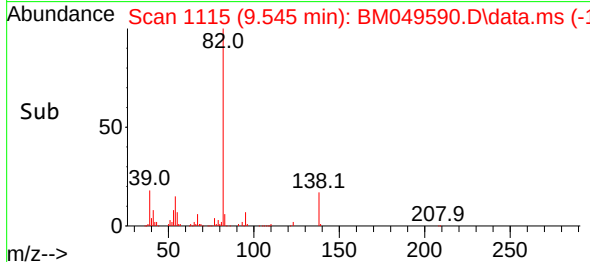
Tgt Ion: 82 Resp: 9264
Ion Ratio Lower Upper
82 100
95 7.0 5.5 8.3
138 16.9 13.6 20.4

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

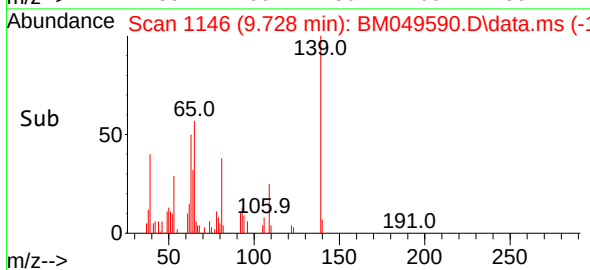
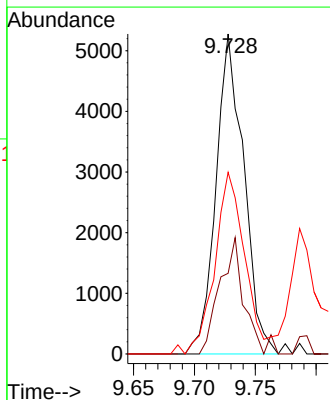
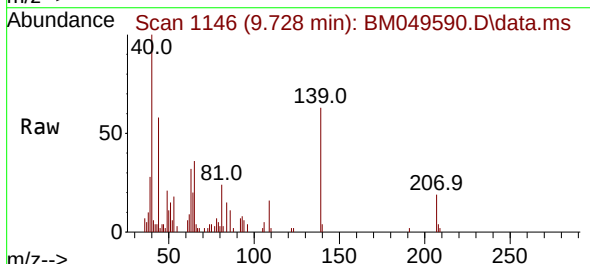
02/07/2025
Supervised By :mohammad
ahmed

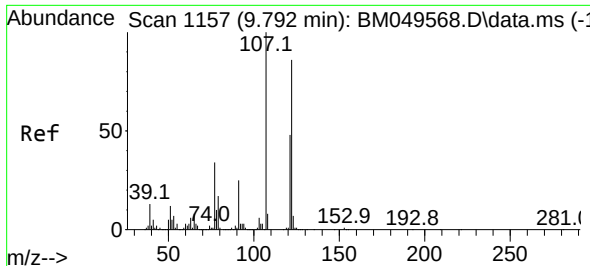
02/07/2025



#26
2-Nitrophenol
Concen: 4.283 ng
RT: 9.728 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

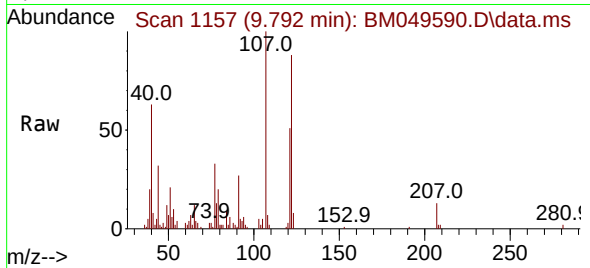
Tgt Ion:139 Resp: 8398
Ion Ratio Lower Upper
139 100
109 25.2 24.2 36.2
65 56.7 43.4 65.2





#27
2,4-Dimethylphenol
Concen: 2.833 ng m
RT: 9.792 min Scan# 1157
Delta R.T. 0.000 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



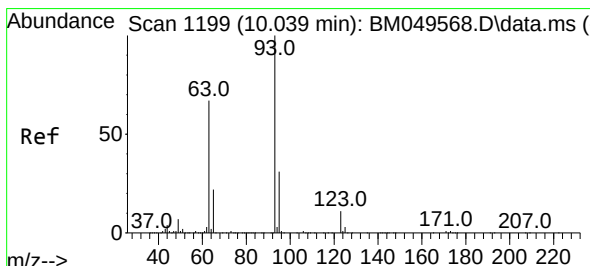
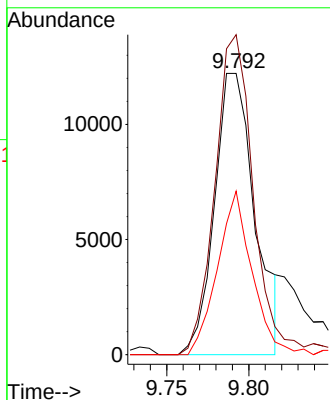
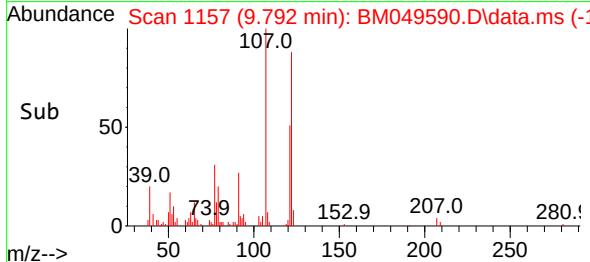
Tgt Ion:122 Resp: 20972
Ion Ratio Lower Upper
122 100
107 113.7 93.2 139.8
121 58.1 44.4 66.6

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

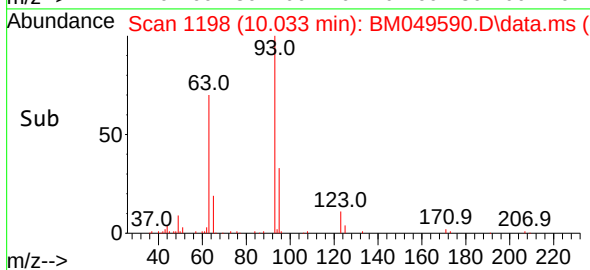
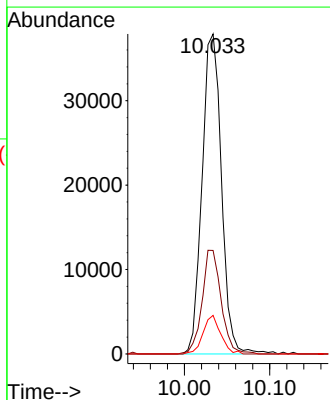
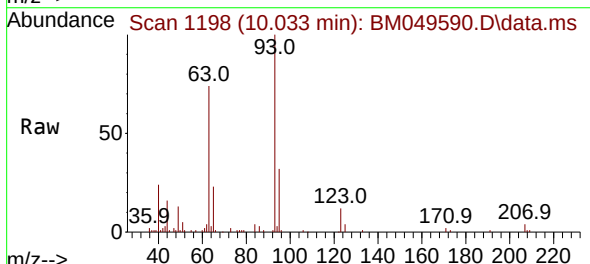
02/07/2025
Supervised By :mohammad
ahmed

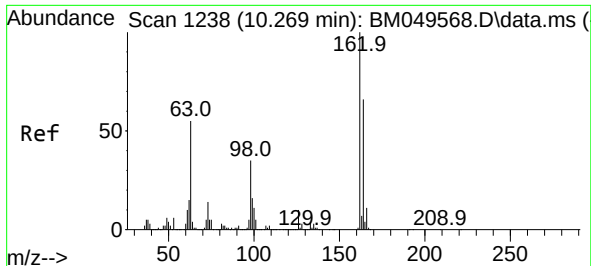
02/07/2025



#28
bis(2-Chloroethoxy)methane
Concen: 3.971 ng
RT: 10.033 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

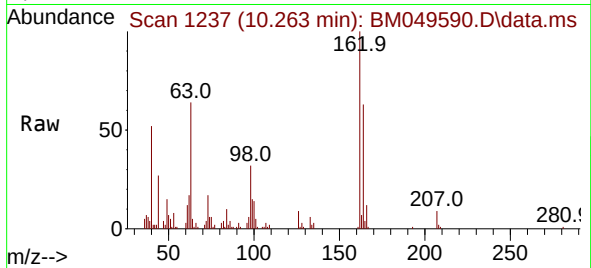
Tgt Ion: 93 Resp: 59883
Ion Ratio Lower Upper
93 100
95 32.3 25.2 37.8
123 12.1 8.6 12.8





#29
2,4-Dichlorophenol
Concen: 2.877 ng
RT: 10.263 min Scan# 1237
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



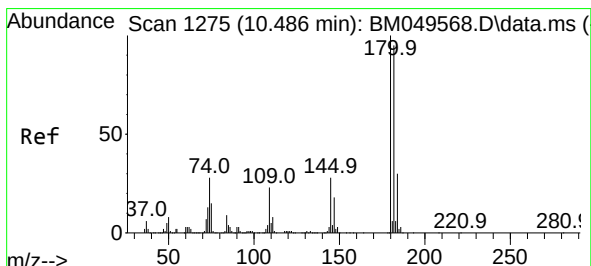
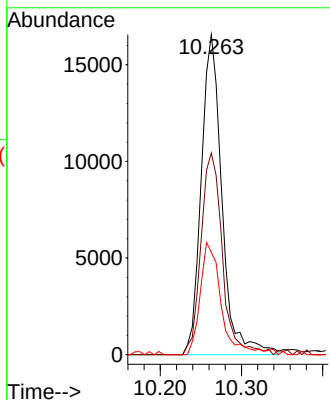
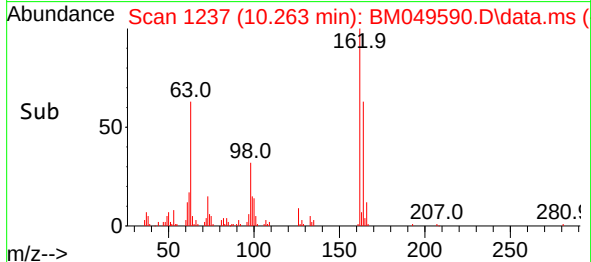
Tgt Ion:162 Resp: 2933
Ion Ratio Lower Upper
162 100
164 63.1 46.0 86.0
98 32.0 14.7 54.7

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

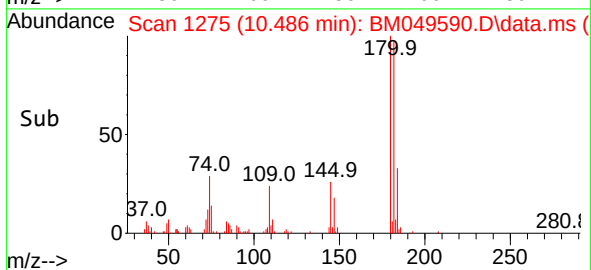
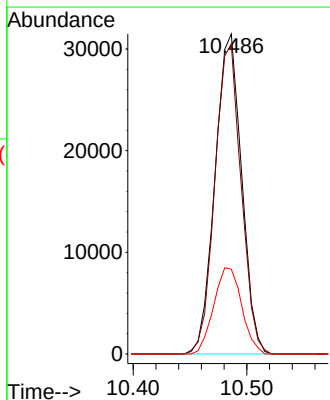
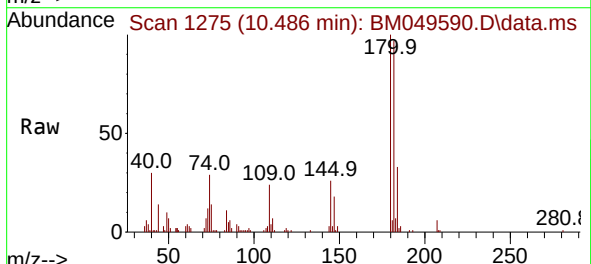
02/07/2025
Supervised By :mohammad
ahmed

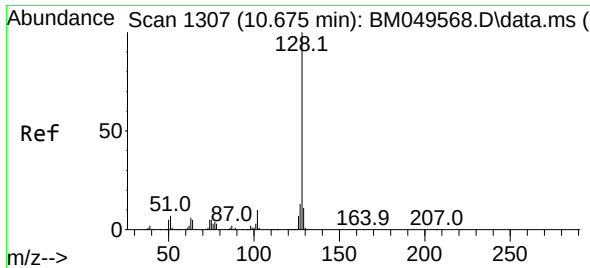
02/07/2025



#30
1,2,4-Trichlorobenzene
Concen: 4.099 ng
RT: 10.486 min Scan# 1275
Delta R.T. 0.000 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

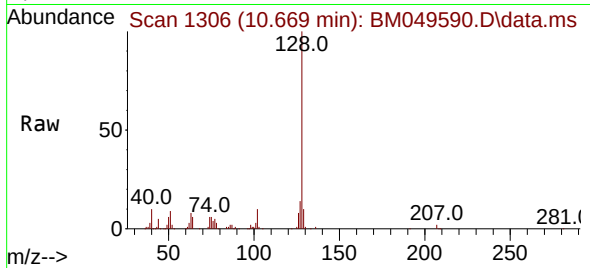
Tgt Ion:180 Resp: 51198
Ion Ratio Lower Upper
180 100
182 96.8 76.4 114.6
145 26.5 22.5 33.7





#31
Naphthalene
Concen: 3.953 ng
RT: 10.669 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



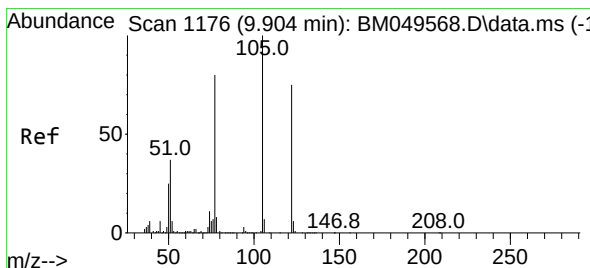
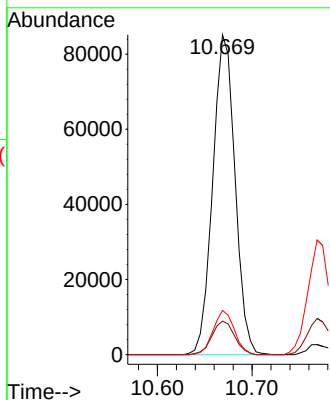
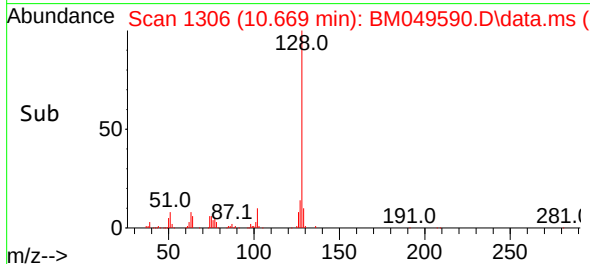
Tgt Ion:128 Resp: 139230
Ion Ratio Lower Upper
128 100
129 10.5 9.0 13.4
127 13.8 10.6 15.8

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

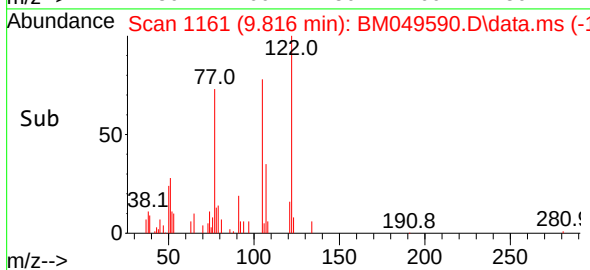
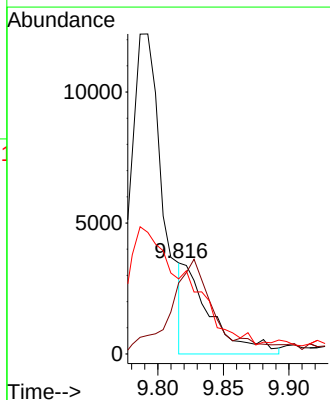
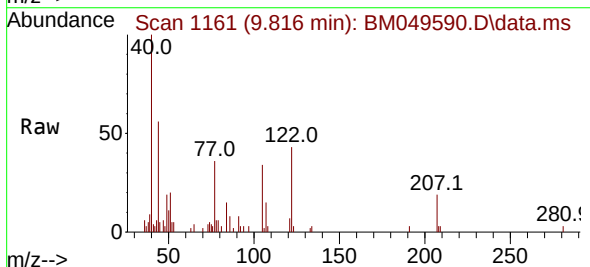
02/07/2025
Supervised By :mohammad
ahmed

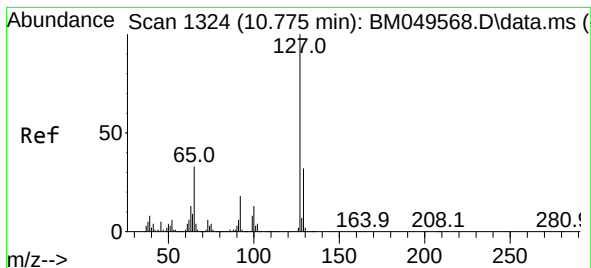
02/07/2025



#32
Benzoic acid
Concen: 6.342 ng m
RT: 9.816 min Scan# 1161
Delta R.T. -0.088 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

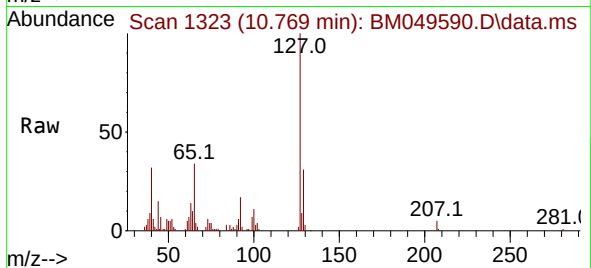
Tgt Ion:122 Resp: 5108
Ion Ratio Lower Upper
122 100
105 78.1 103.6 143.6#
77 82.6 82.4 122.4





#33
4-Chloroaniline
Concen: 3.839 ng
RT: 10.769 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



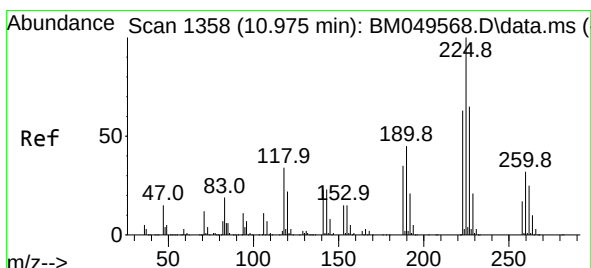
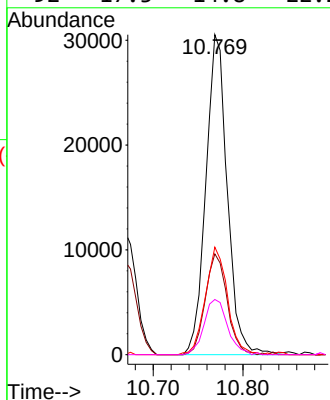
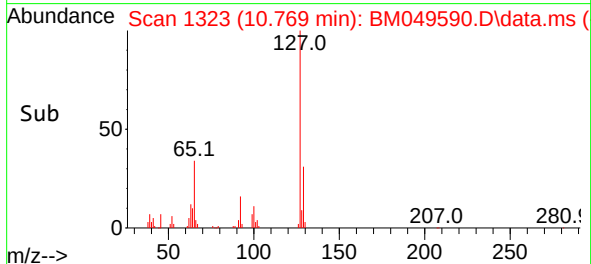
Tgt Ion:	127	Resp:	5060
Ion	Ratio	Lower	Upper
127	100		
129	31.5	25.8	38.8
65	33.6	26.4	39.6
92	17.3	14.8	22.2

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

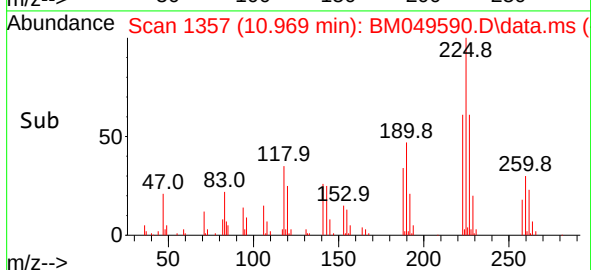
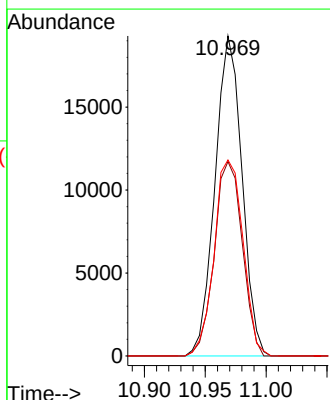
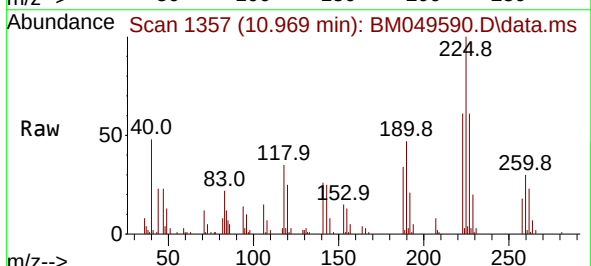
02/07/2025
Supervised By :mohammad
ahmed

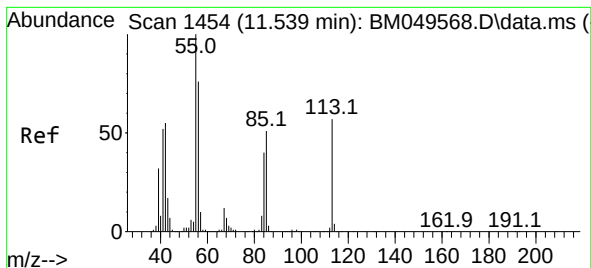
02/07/2025



#34
Hexachlorobutadiene
Concen: 3.978 ng
RT: 10.969 min Scan# 1357
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

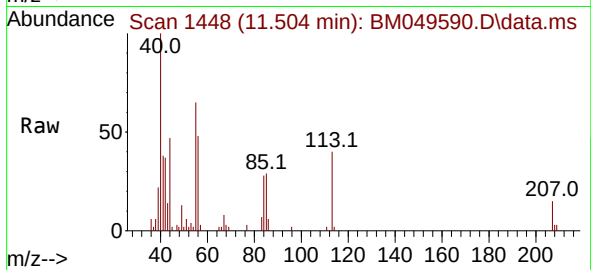
Tgt Ion:	225	Resp:	29758
Ion	Ratio	Lower	Upper
225	100		
223	58.3	50.6	75.8
227	61.5	51.8	77.6





#35
Caprolactam
Concen: 2.429 ng m
RT: 11.504 min Scan# 1454
Delta R.T. -0.035 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



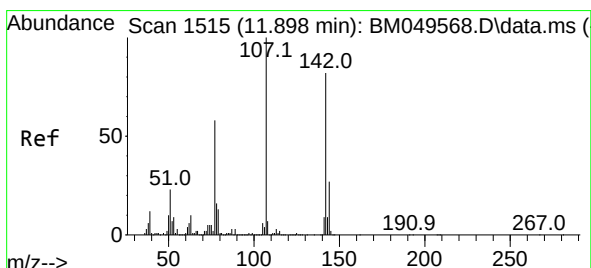
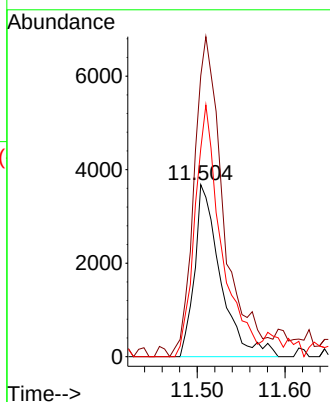
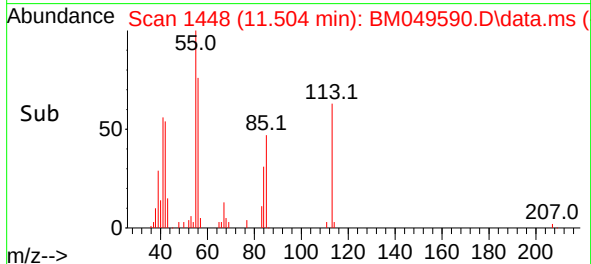
Tgt Ion:113 Resp: 7554
Ion Ratio Lower Upper
113 100
55 163.3 157.5 197.5
56 120.9 114.6 154.6

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

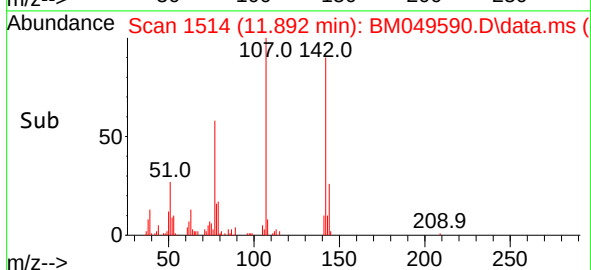
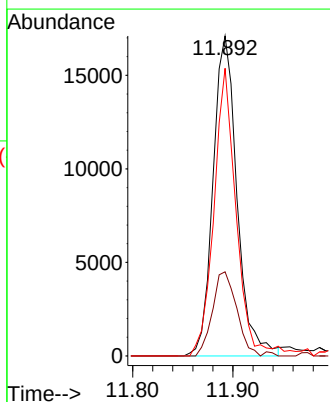
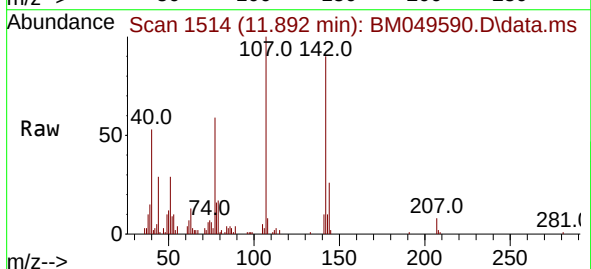
02/07/2025
Supervised By :mohammad
ahmed

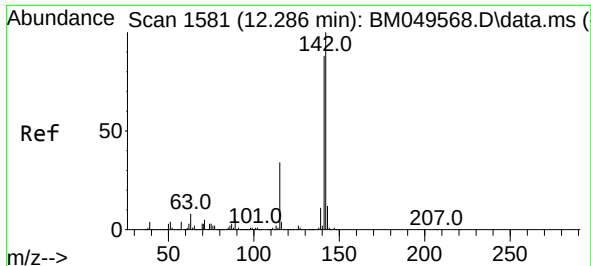
02/07/2025



#36
4-Chloro-3-methylphenol
Concen: 2.796 ng
RT: 11.892 min Scan# 1514
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

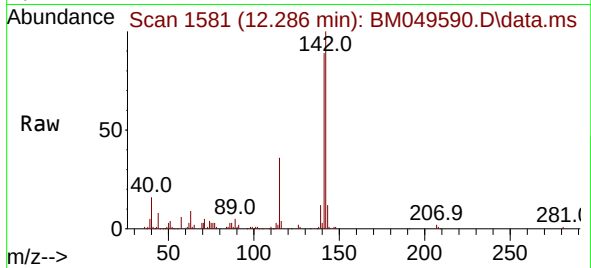
Tgt Ion:107 Resp: 28432
Ion Ratio Lower Upper
107 100
144 26.3 21.2 31.8
142 89.9 65.4 98.2





#37
2-Methylnaphthalene
Concen: 3.629 ng
RT: 12.286 min Scan# 1581
Delta R.T. 0.000 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



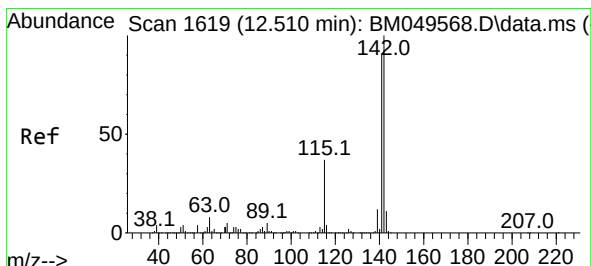
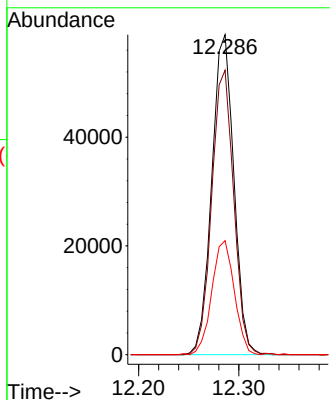
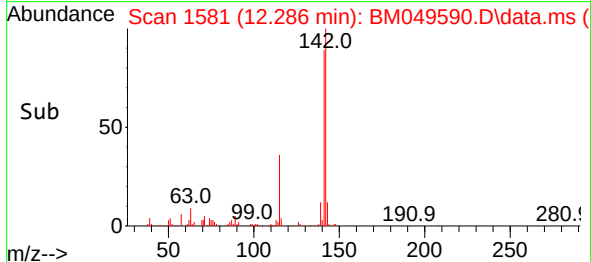
Tgt Ion:142 Resp: 89980
Ion Ratio Lower Upper
142 100
141 88.9 70.2 105.4
115 35.6 27.5 41.3

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

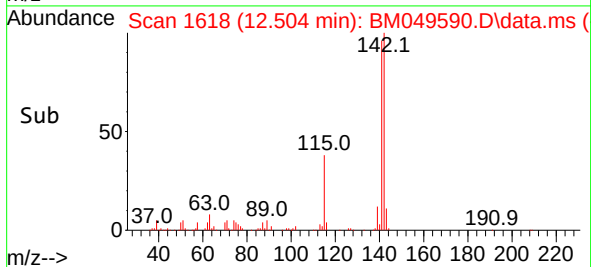
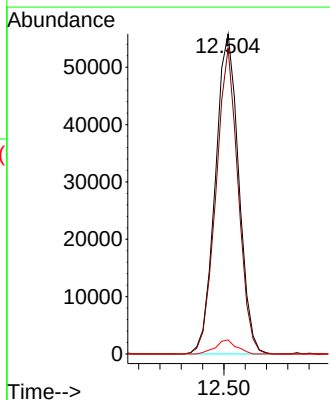
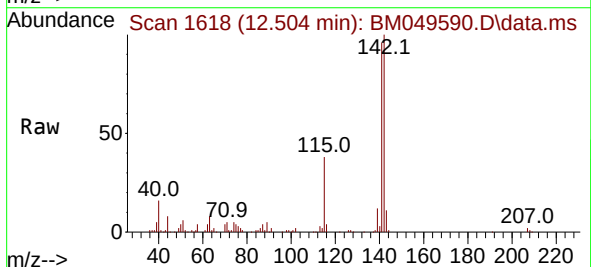
02/07/2025
Supervised By :mohammad
ahmed

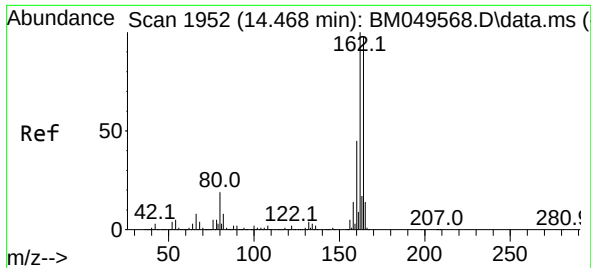
02/07/2025



#38
1-Methylnaphthalene
Concen: 3.519 ng
RT: 12.504 min Scan# 1618
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

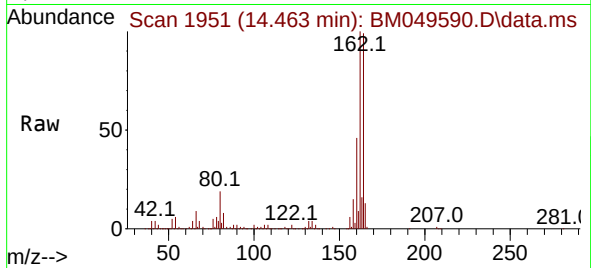
Tgt Ion:142 Resp: 84908
Ion Ratio Lower Upper
142 100
141 95.6 73.1 109.7
116 4.4 3.1 4.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.463 min Scan# 1951
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



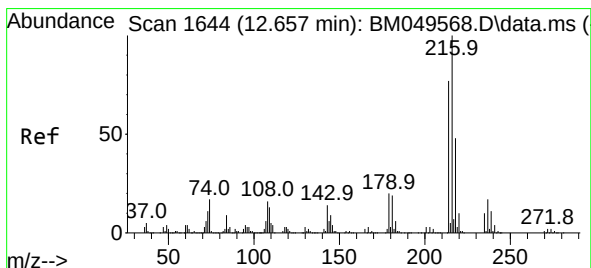
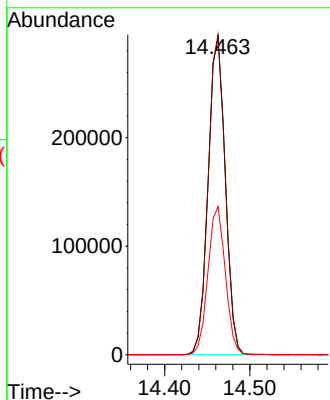
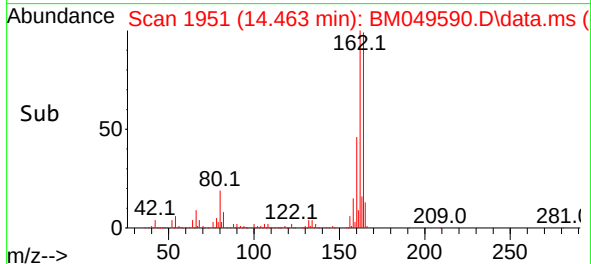
Tgt Ion:164 Resp: 40879
Ion Ratio Lower Upper
164 100
162 101.1 81.4 122.0
160 46.8 36.2 54.4

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

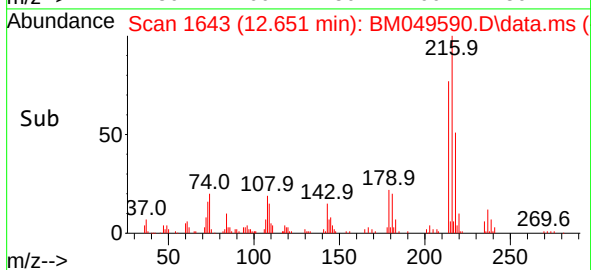
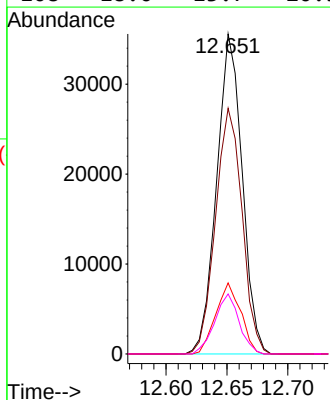
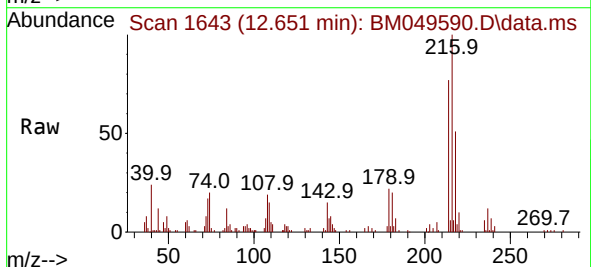
02/07/2025
Supervised By :mohammad
ahmed

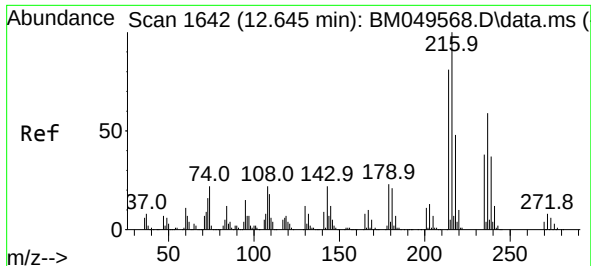
02/07/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.861 ng
RT: 12.651 min Scan# 1643
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

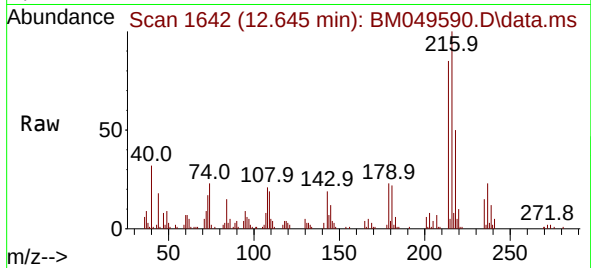
Tgt Ion:216 Resp: 51891
Ion Ratio Lower Upper
216 100
214 79.8 62.4 93.6
179 21.6 16.3 24.5
108 18.0 13.7 20.5





#41
Hexachlorocyclopentadiene
Concen: 2.563 ng
RT: 12.645 min Scan# 1642
Delta R.T. 0.000 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



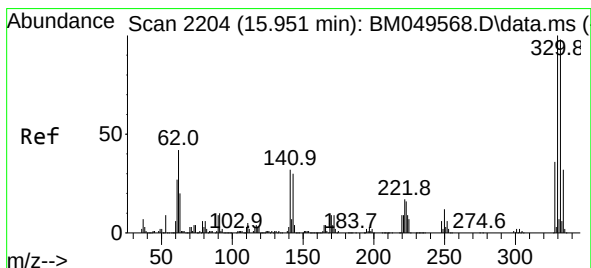
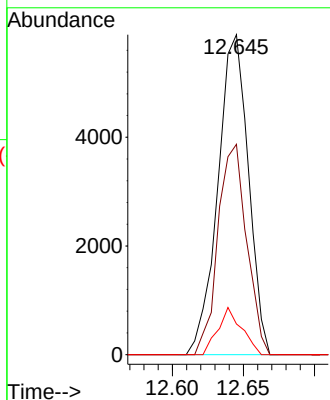
Tgt Ion:237 Resp: 879
Ion Ratio Lower Upper
237 100
235 65.7 43.8 83.8
272 9.6 0.0 33.5

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

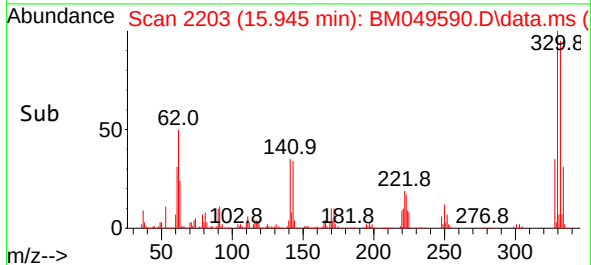
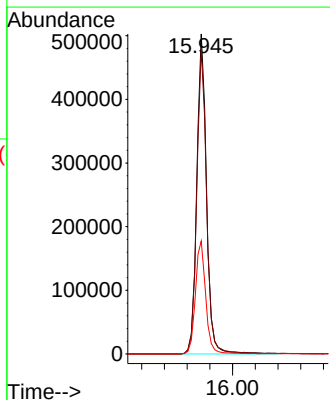
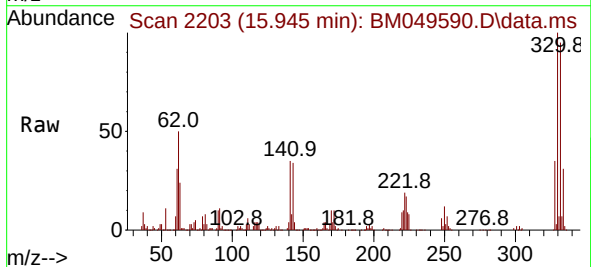
02/07/2025
Supervised By :mohammad
ahmed

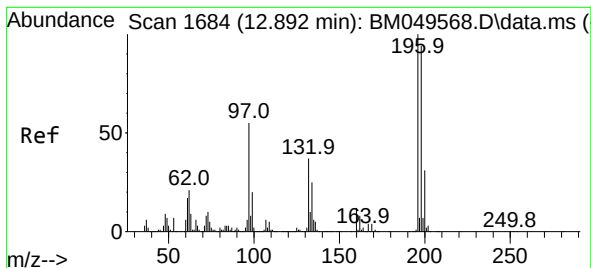
02/07/2025



#42
2,4,6-Tribromophenol
Concen: 124.382 ng
RT: 15.945 min Scan# 2203
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

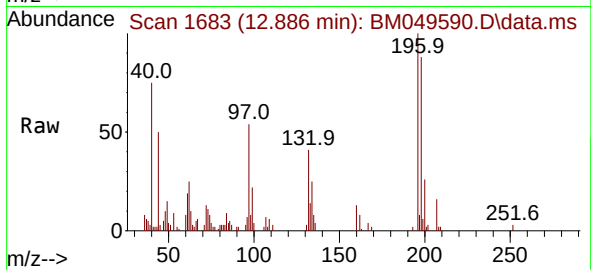
Tgt Ion:330 Resp: 602491
Ion Ratio Lower Upper
330 100
332 95.8 77.3 115.9
141 37.5 28.2 42.2





#43
2,4,6-Trichlorophenol
Concen: 2.311 ng
RT: 12.886 min Scan# 1694
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

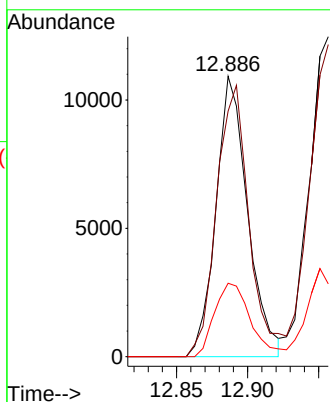
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:196 Resp: 16949
Ion Ratio Lower Upper
196 100
198 87.6 75.4 113.0
200 26.2 25.1 37.7

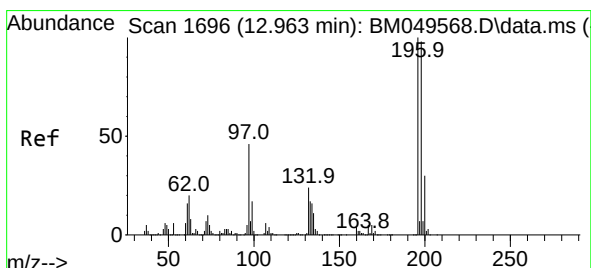
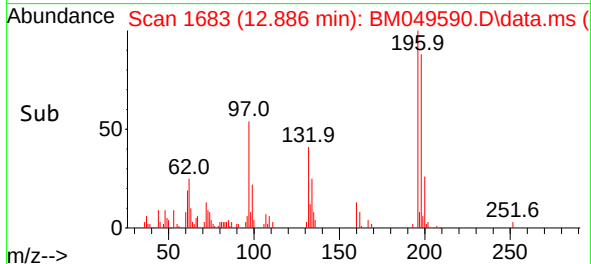
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



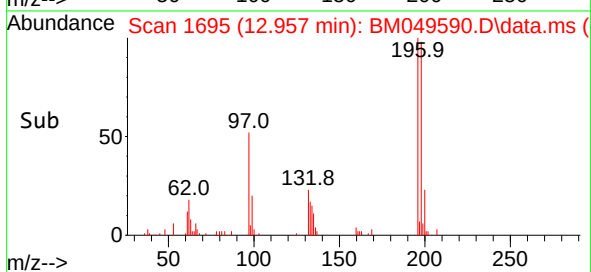
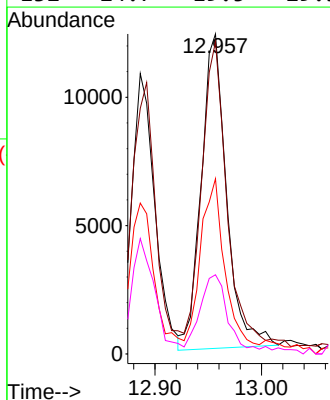
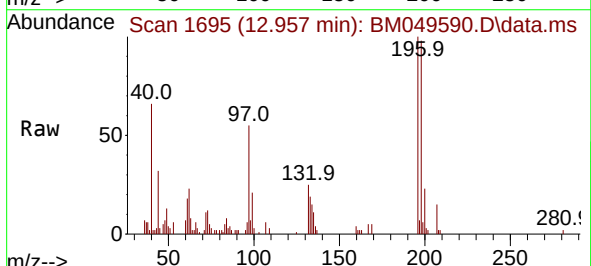
02/07/2025
Supervised By :mohammad
ahmed

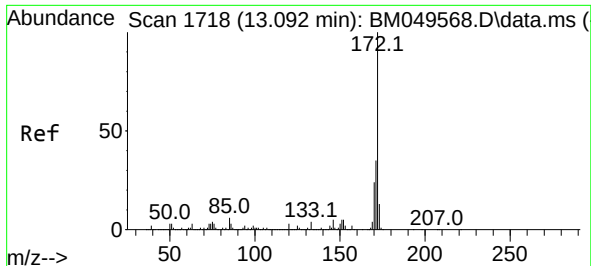
02/07/2025



#44
2,4,5-Trichlorophenol
Concen: 2.522 ng
RT: 12.957 min Scan# 1695
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

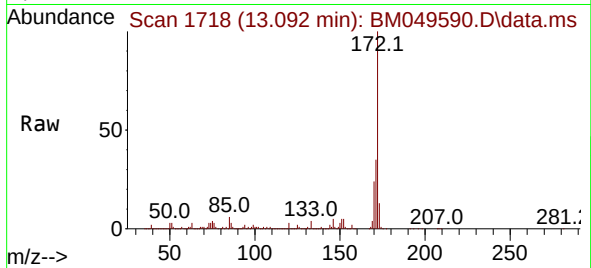
Tgt Ion:196 Resp: 20325
Ion Ratio Lower Upper
196 100
198 97.6 78.4 117.6
97 54.8 37.4 56.0
132 24.7 19.5 29.3





#45
2-Fluorobiphenyl
Concen: 98.373 ng
RT: 13.092 min Scan# 1718
Delta R.T. 0.000 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



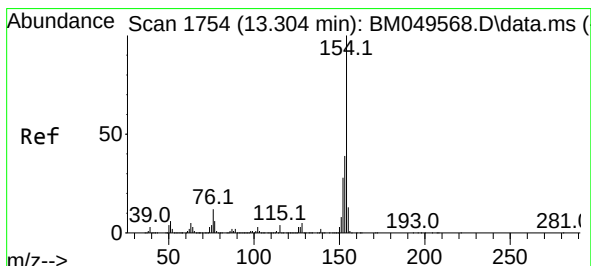
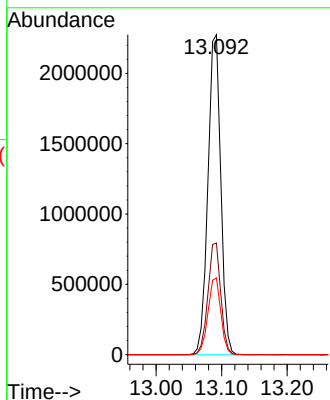
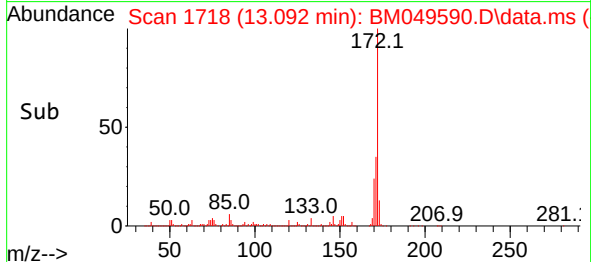
Tgt Ion:172 Resp: 310427
Ion Ratio Lower Upper
172 100
171 34.9 28.0 42.0
170 24.0 19.0 28.4

Manual Integrations
APPROVED

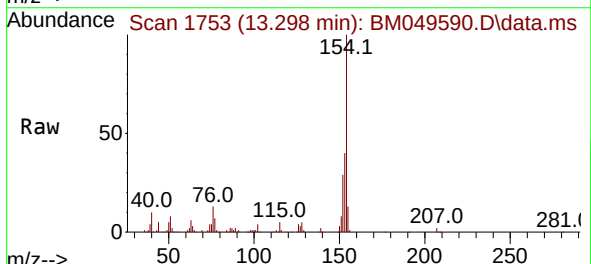
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

02/07/2025
Supervised By :mohammad
ahmed

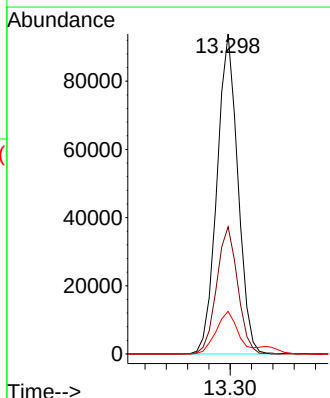
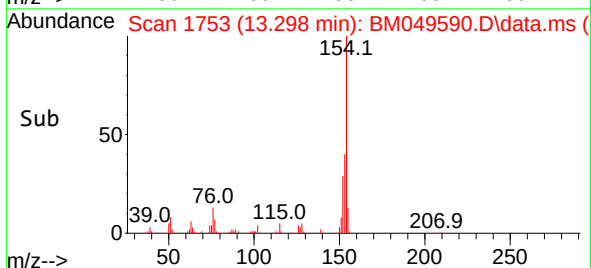
02/07/2025

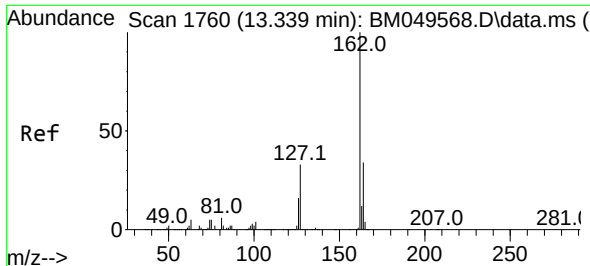


#46
1,1'-Biphenyl
Concen: 4.096 ng
RT: 13.298 min Scan# 1753
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16



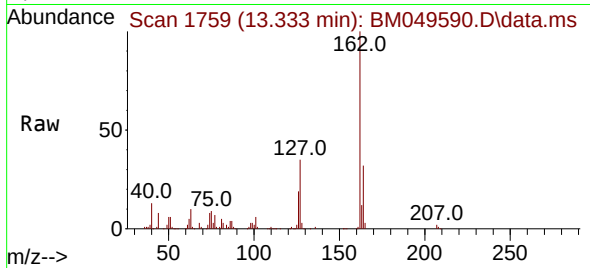
Tgt Ion:154 Resp: 127735
Ion Ratio Lower Upper
154 100
153 39.7 19.5 59.5
76 13.3 0.0 32.1





#47
2-Chloronaphthalene
Concen: 3.989 ng
RT: 13.333 min Scan# 1759
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



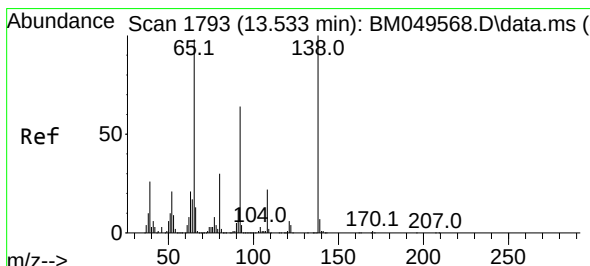
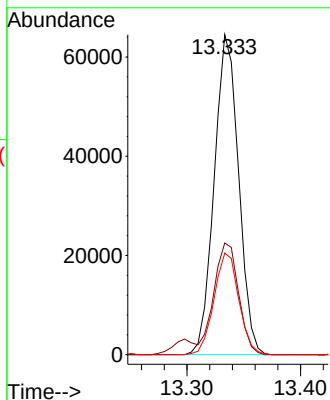
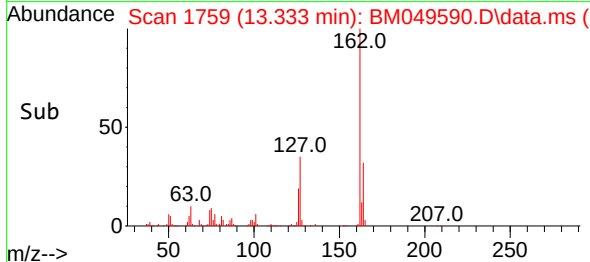
Tgt Ion:162 Resp: 96240
Ion Ratio Lower Upper
162 100
127 34.9 27.9 41.9
164 31.7 26.8 40.2

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

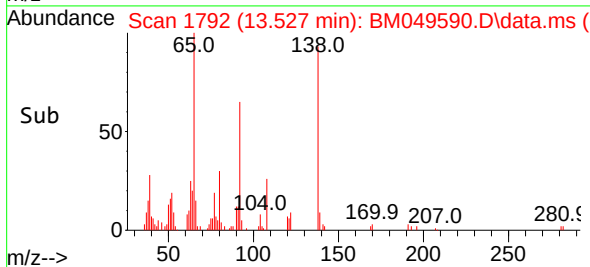
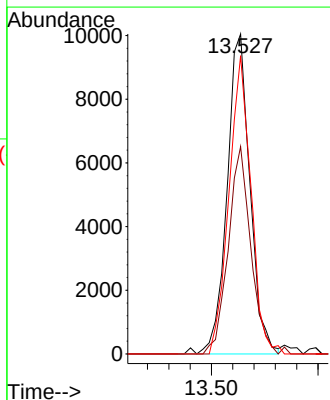
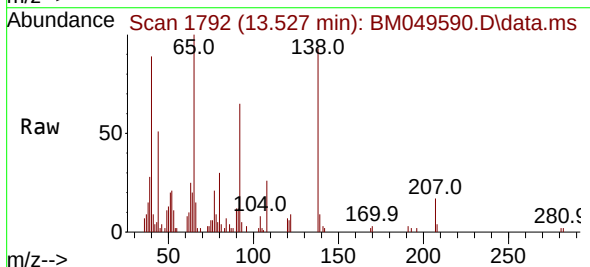
02/07/2025
Supervised By :mohammad
ahmed

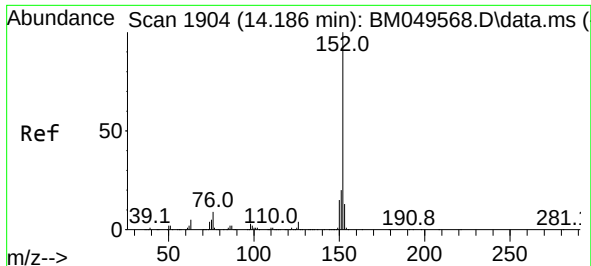
02/07/2025



#48
2-Nitroaniline
Concen: 6.285 ng
RT: 13.527 min Scan# 1792
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

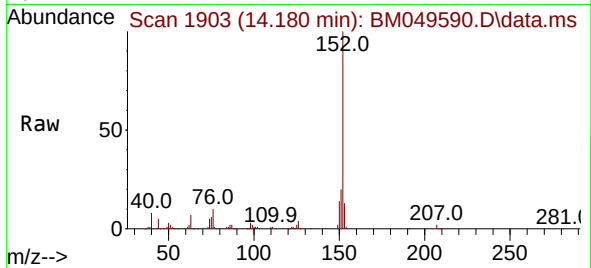
Tgt Ion: 65 Resp: 15018
Ion Ratio Lower Upper
65 100
92 64.8 52.0 78.0
138 93.2 81.6 122.4





#49
Acenaphthylene
Concen: 3.961 ng
RT: 14.180 min Scan# 1904
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



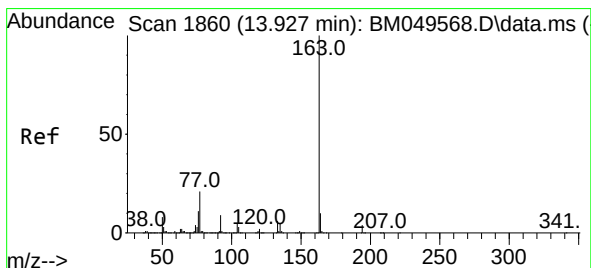
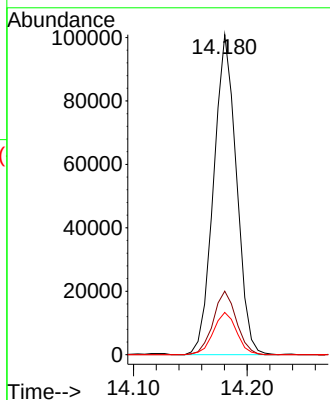
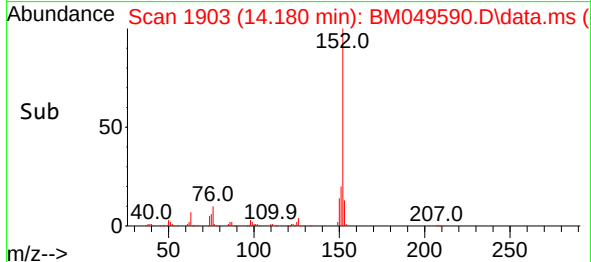
Tgt Ion:152 Resp: 140915
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.4
153 13.2 10.6 16.0

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

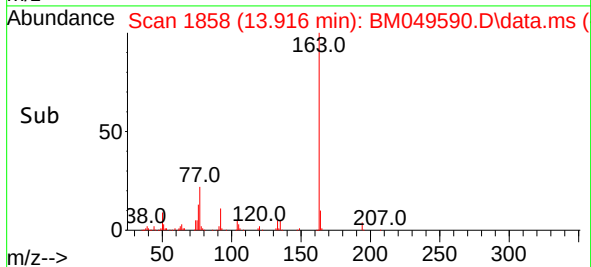
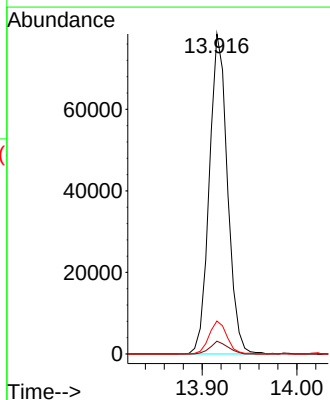
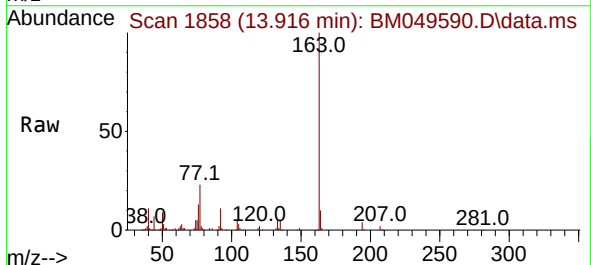
02/07/2025
Supervised By :mohammad
ahmed

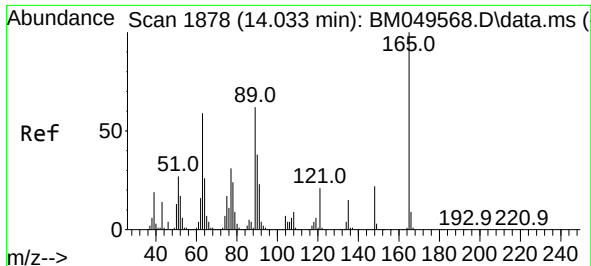
02/07/2025



#50
Dimethylphthalate
Concen: 3.572 ng
RT: 13.916 min Scan# 1858
Delta R.T. -0.012 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

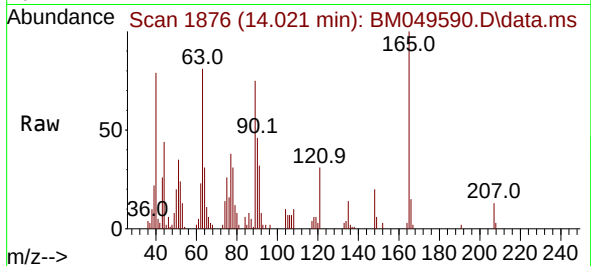
Tgt Ion:163 Resp: 104864
Ion Ratio Lower Upper
163 100
194 4.0 3.3 4.9
164 10.3 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 2.974 ng
RT: 14.021 min Scan# 1878
Delta R.T. -0.012 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



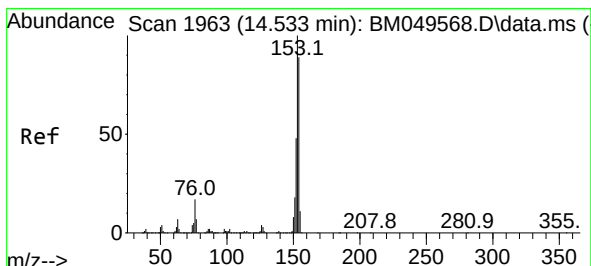
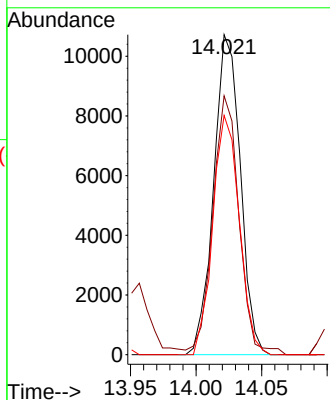
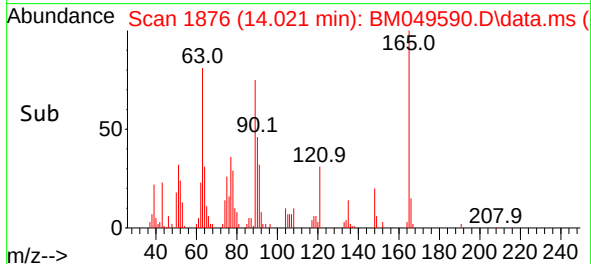
Tgt Ion:165 Resp: 15107
Ion Ratio Lower Upper
165 100
63 80.9 47.8 71.6
89 74.8 49.2 73.8

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

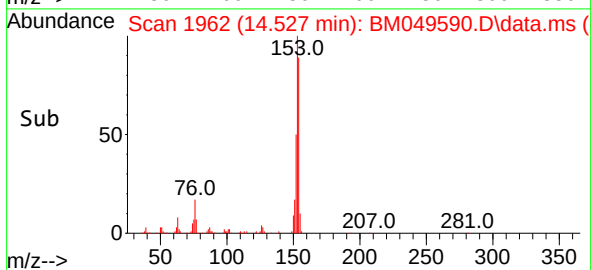
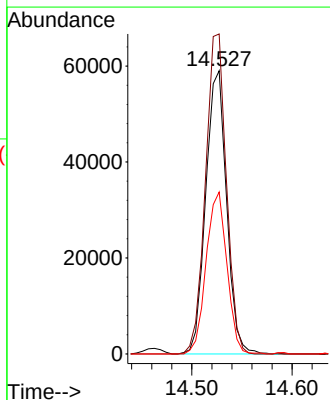
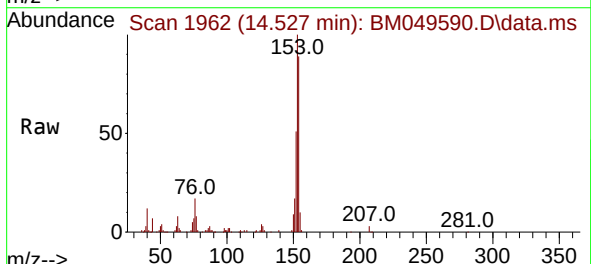
02/07/2025
Supervised By :mohammad
ahmed

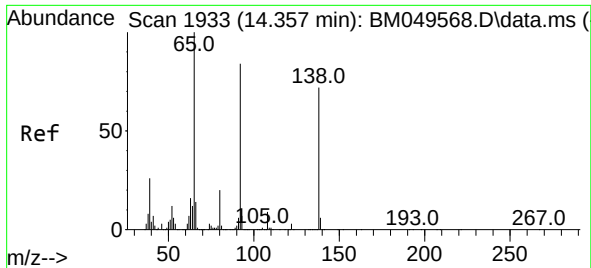
02/07/2025



#52
Acenaphthene
Concen: 3.611 ng
RT: 14.527 min Scan# 1962
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

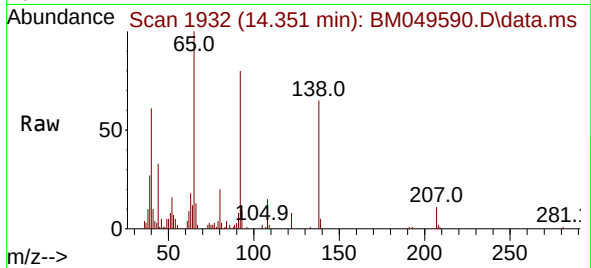
Tgt Ion:154 Resp: 85269
Ion Ratio Lower Upper
154 100
153 113.0 90.0 135.0
152 57.2 43.0 64.4





#53
3-Nitroaniline
Concen: 2.906 ng
RT: 14.351 min Scan# 1933
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

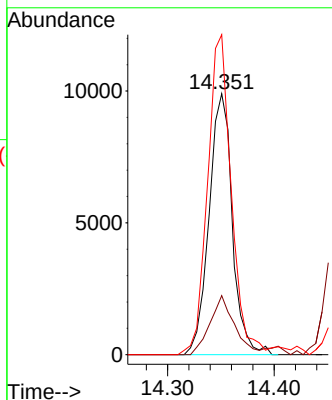
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:138 Resp: 15029
Ion Ratio Lower Upper
138 100
108 22.7 10.3 15.5
92 122.6 93.6 140.4

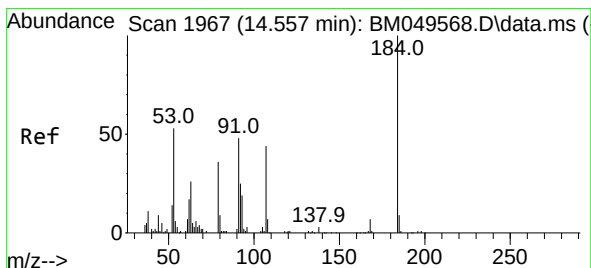
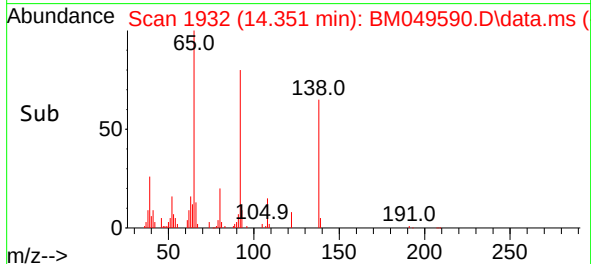
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



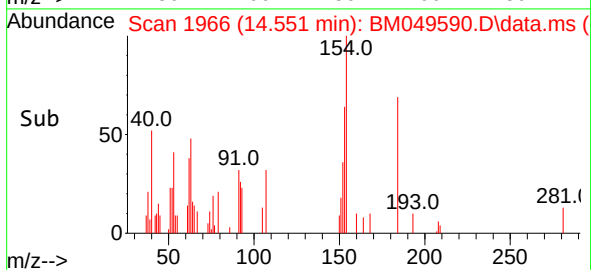
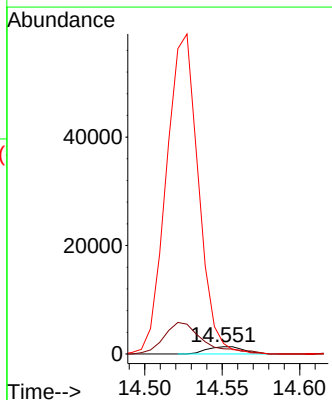
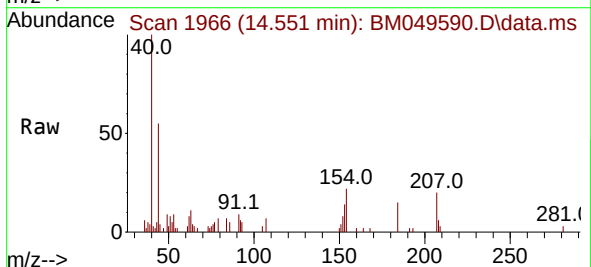
02/07/2025
Supervised By :mohammad
ahmed

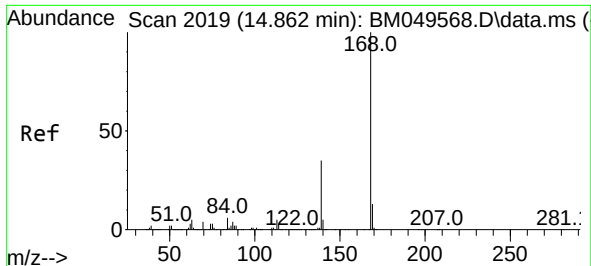
02/07/2025



#54
2,4-Dinitrophenol
Concen: 4.933 ng
RT: 14.551 min Scan# 1966
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

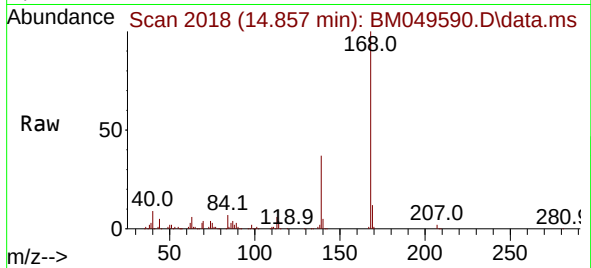
Tgt Ion:184 Resp: 2207
Ion Ratio Lower Upper
184 100
63 70.3 60.2 90.4
154 145.6 78.2 117.4#





#55
Dibenzenofuran
Concen: 3.702 ng
RT: 14.857 min Scan# 2018
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



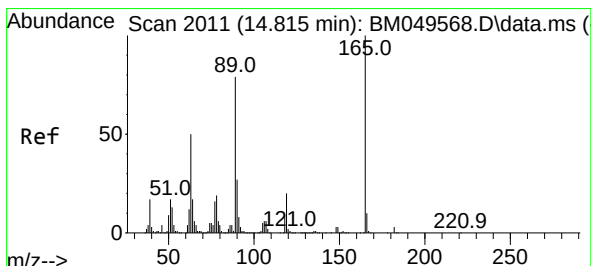
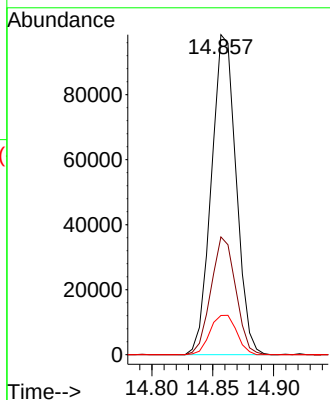
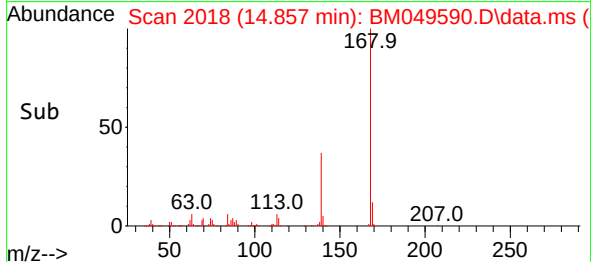
Tgt Ion:168 Resp: 139188
Ion Ratio Lower Upper
168 100
139 36.8 28.4 42.6
169 12.3 10.8 16.2

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

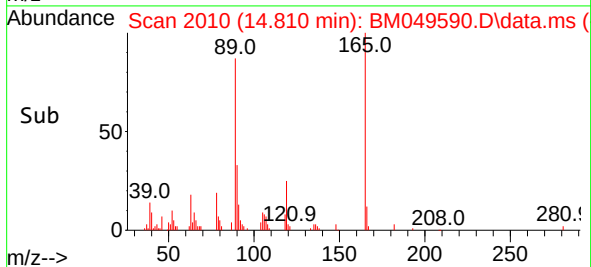
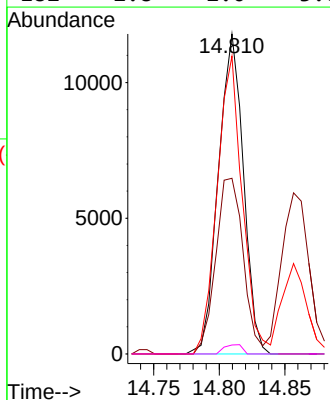
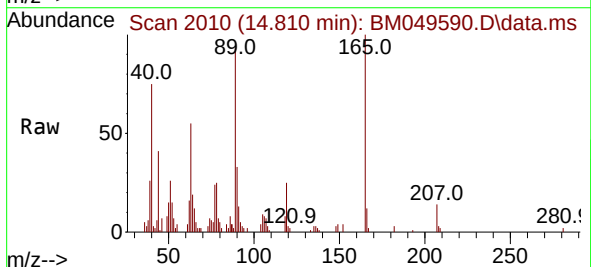
02/07/2025
Supervised By :mohammad
ahmed

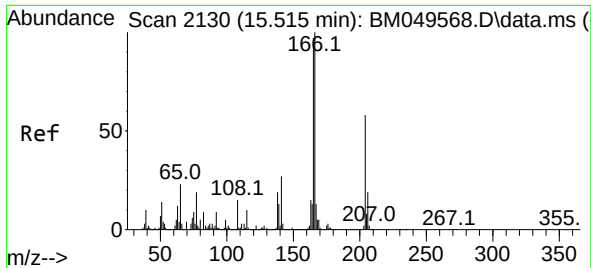
02/07/2025



#57
2,4-Dinitrotoluene
Concen: 5.094 ng
RT: 14.810 min Scan# 2010
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

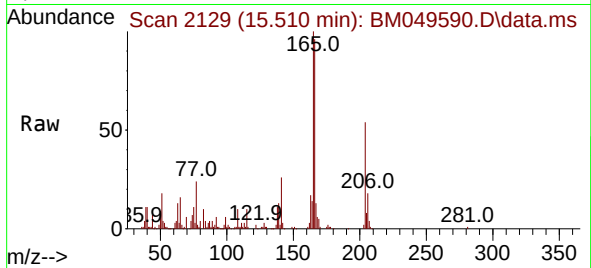
Tgt Ion:165 Resp: 15628
Ion Ratio Lower Upper
165 100
63 54.9 39.8 59.6
89 93.0 63.5 95.3
182 2.8 2.0 3.0





#58
Fluorene
Concen: 3.366 ng
RT: 15.510 min Scan# 2130
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



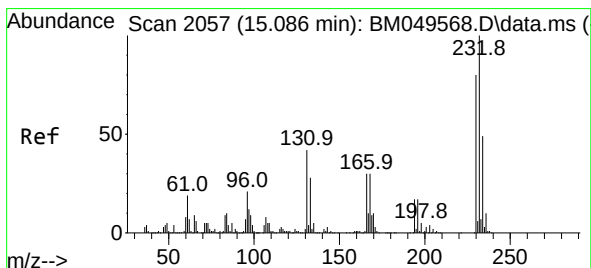
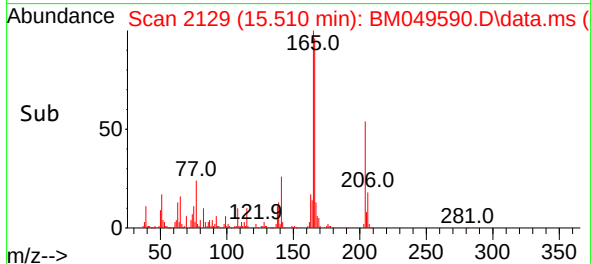
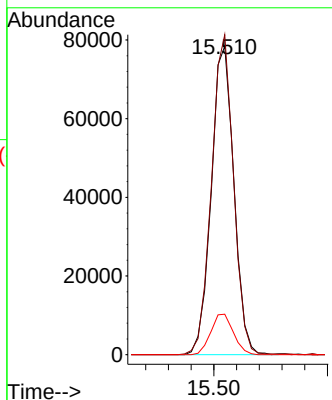
Tgt Ion:166 Resp: 10826
Ion Ratio Lower Upper
166 100
165 103.7 77.7 116.5
167 13.1 10.7 16.1

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

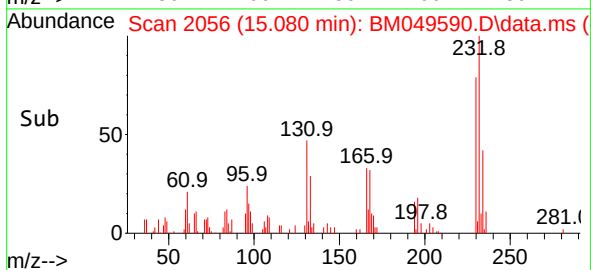
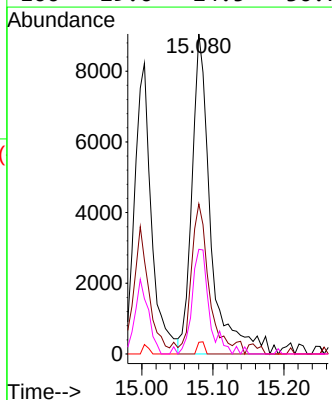
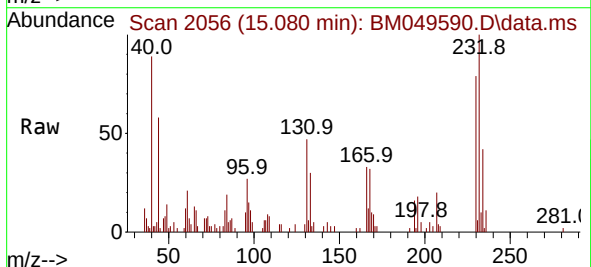
02/07/2025
Supervised By :mohammad
ahmed

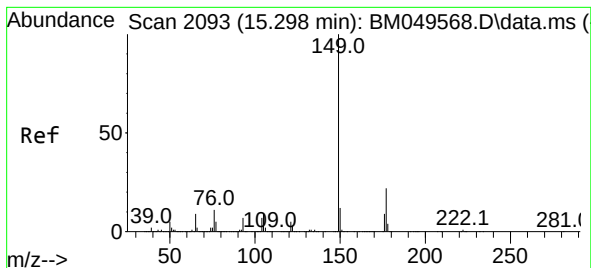
02/07/2025



#59
2,3,4,6-Tetrachlorophenol
Concen: 2.453 ng
RT: 15.080 min Scan# 2056
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

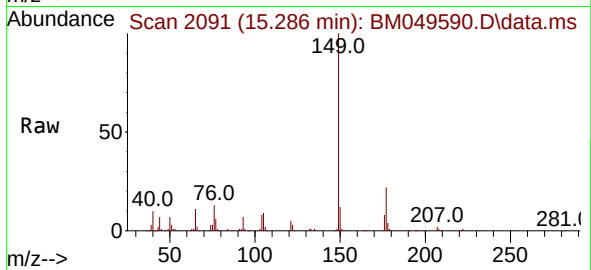
Tgt Ion:232 Resp: 16701
Ion Ratio Lower Upper
232 100
131 45.6 34.5 51.7
130 1.4 1.9 2.9#
166 29.6 24.5 36.7





#60
Diethylphthalate
Concen: 3.355 ng
RT: 15.286 min Scan# 2091
Delta R.T. -0.012 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



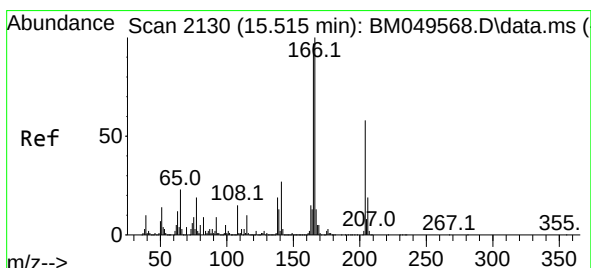
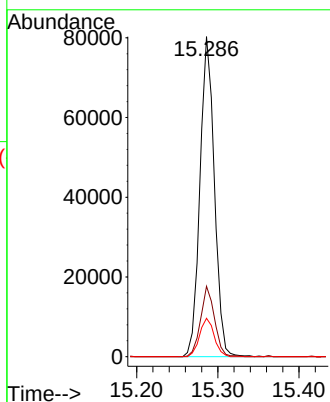
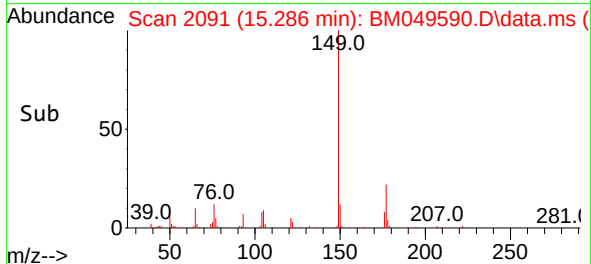
Tgt Ion:149 Resp: 98990
Ion Ratio Lower Upper
149 100
177 22.0 18.0 27.0
150 12.0 9.7 14.5

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

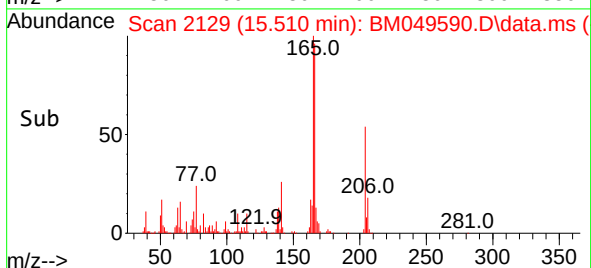
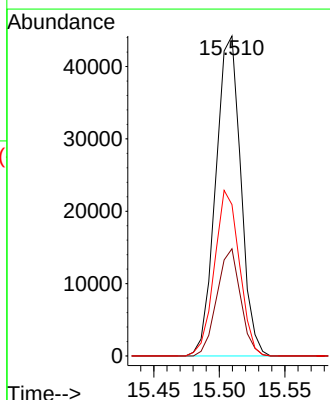
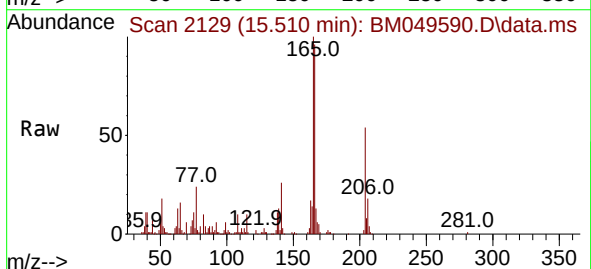
02/07/2025
Supervised By :mohammad
ahmed

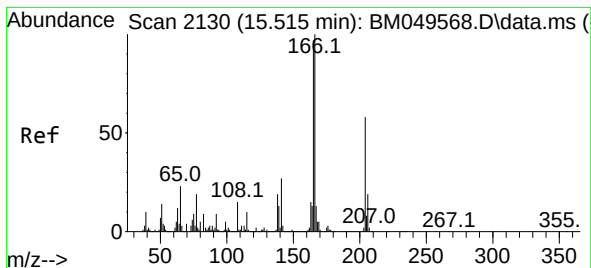
02/07/2025



#61
4-Chlorophenyl-phenylether
Concen: 3.428 ng
RT: 15.510 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

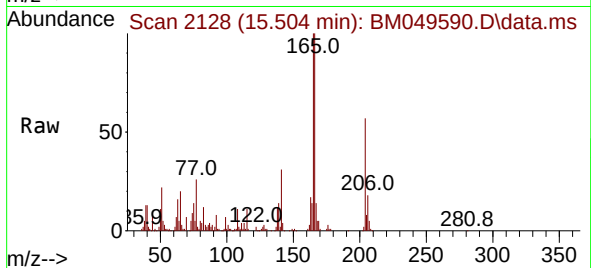
Tgt Ion:204 Resp: 58695
Ion Ratio Lower Upper
204 100
206 33.5 26.0 39.0
141 47.3 37.1 55.7





#62
4-Nitroaniline
Concen: 6.108 ng
RT: 15.504 min Scan# 2130
Delta R.T. -0.012 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



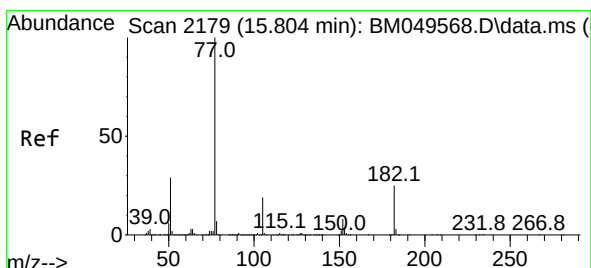
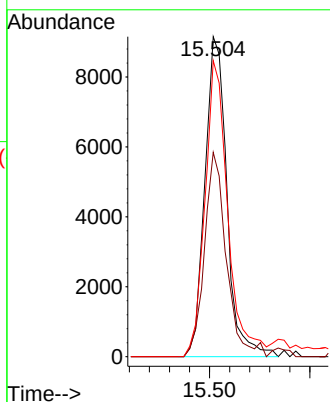
Tgt Ion:138 Resp: 1392
Ion Ratio Lower Upper
138 100
92 63.8 29.3 69.3
108 92.5 60.1 100.1

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

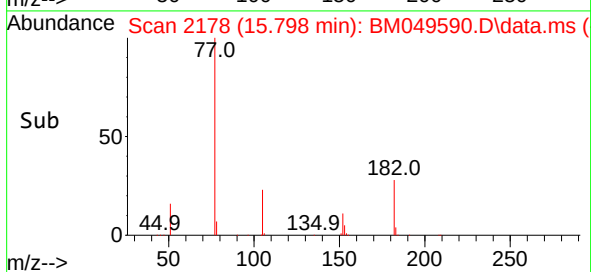
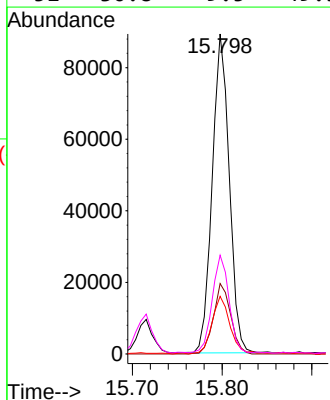
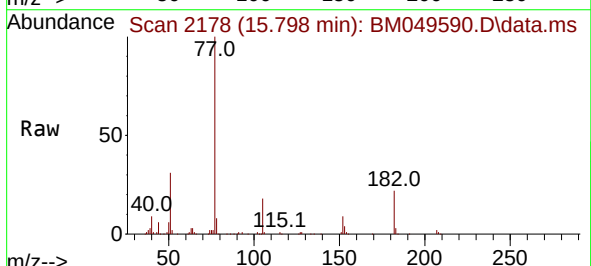
02/07/2025
Supervised By :mohammad
ahmed

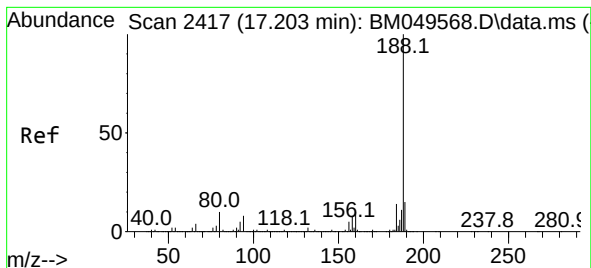
02/07/2025



#63
Azobenzene
Concen: 3.815 ng
RT: 15.798 min Scan# 2178
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

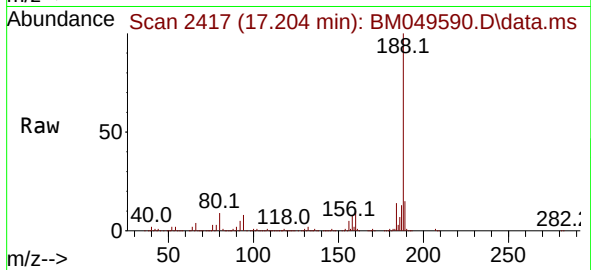
Tgt Ion: 77 Resp: 117485
Ion Ratio Lower Upper
77 100
182 22.0 4.7 44.7
105 18.0 0.0 39.3
51 30.8 9.5 49.5





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.204 min Scan# 2417
Delta R.T. 0.000 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



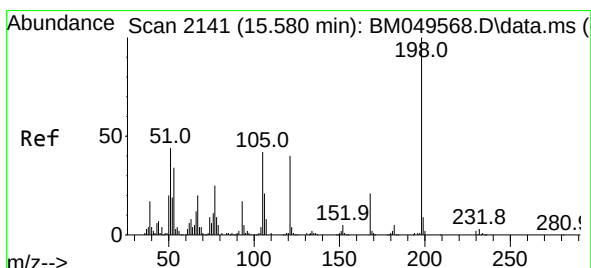
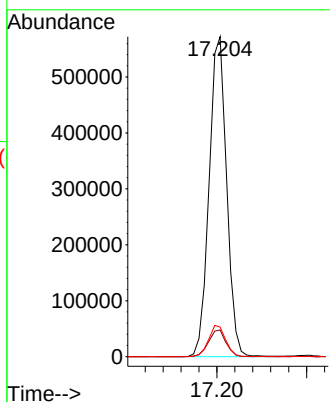
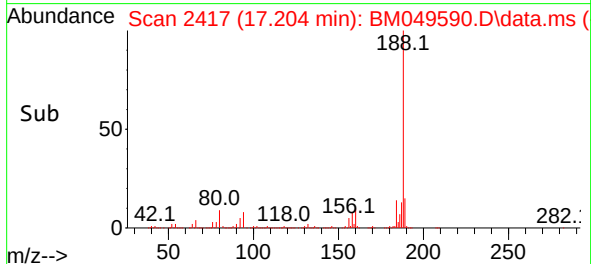
Tgt Ion:188 Resp: 774890
Ion Ratio Lower Upper
188 100
94 8.3 6.7 10.1
80 9.3 7.7 11.5

Manual Integrations APPROVED

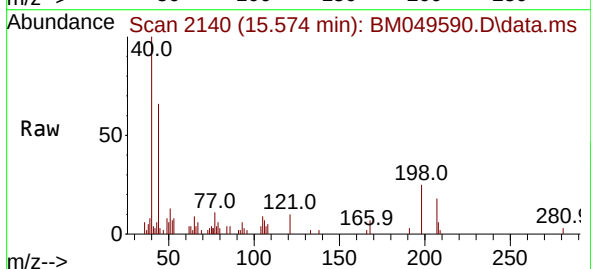
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

02/07/2025
Supervised By :mohammad
ahmed

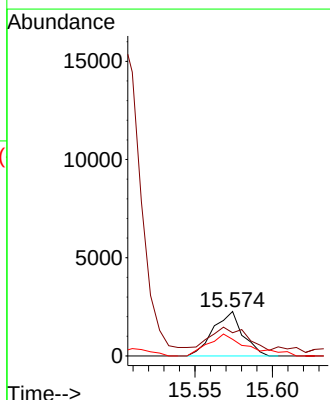
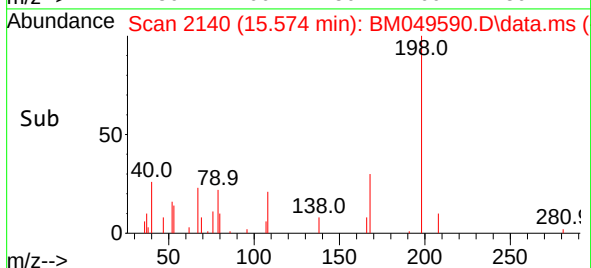
02/07/2025

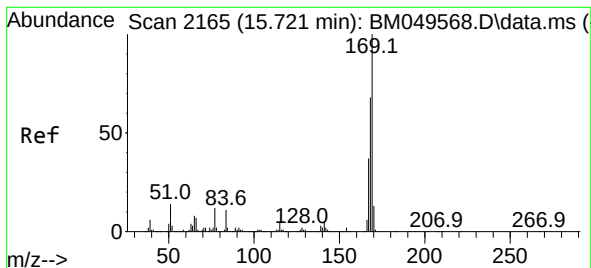


#65
4,6-Dinitro-2-methylphenol
Concen: 5.809 ng
RT: 15.574 min Scan# 2140
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16



Tgt Ion:198 Resp: 2989
Ion Ratio Lower Upper
198 100
51 52.2 26.9 66.9
105 37.5 22.8 62.8





#66

n-Nitrosodiphenylamine

Concen: 3.393 ng

RT: 15.715 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM049590.D

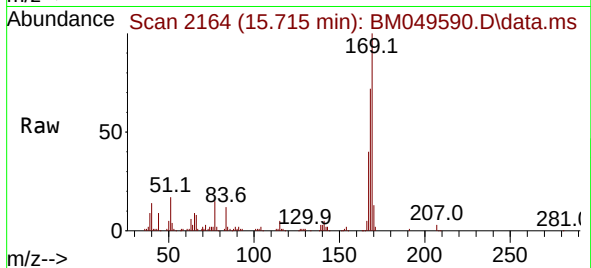
Acq: 06 Feb 2025 22:16

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:169 Resp: 8292

Ion	Ratio	Lower	Upper
169	100		
168	72.0	54.2	81.4
167	39.7	29.5	44.3

Manual Integrations

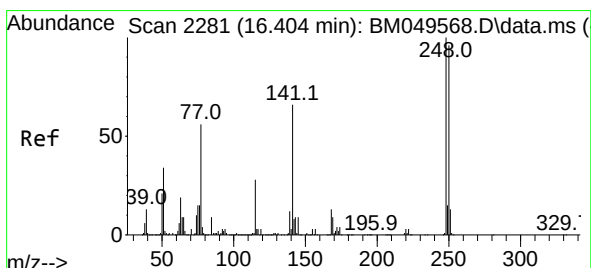
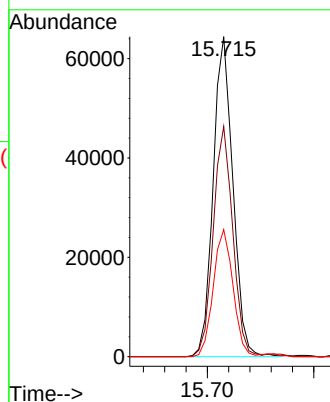
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

02/07/2025

Supervised By :mohammad
ahmed

02/07/2025



#67

4-Bromophenyl-phenylether

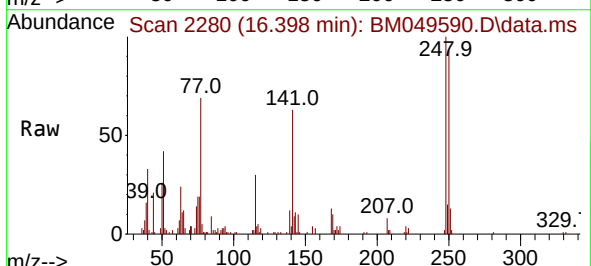
Concen: 3.483 ng

RT: 16.398 min Scan# 2280

Delta R.T. -0.006 min

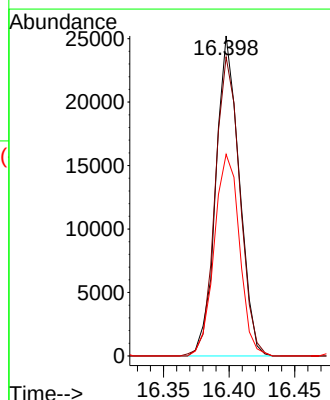
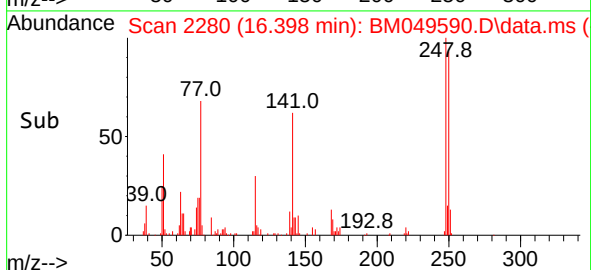
Lab File: BM049590.D

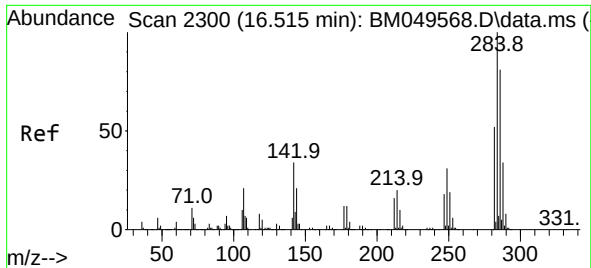
Acq: 06 Feb 2025 22:16



Tgt Ion:248 Resp: 31352

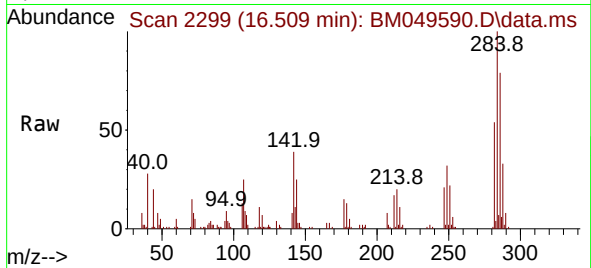
Ion	Ratio	Lower	Upper
248	100		
250	93.4	77.0	115.4
141	63.0	53.0	79.4





#68
Hexachlorobenzene
Concen: 3.611 ng
RT: 16.509 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



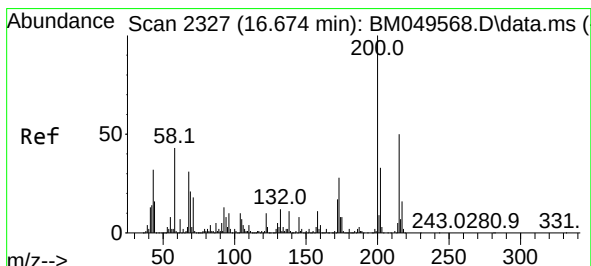
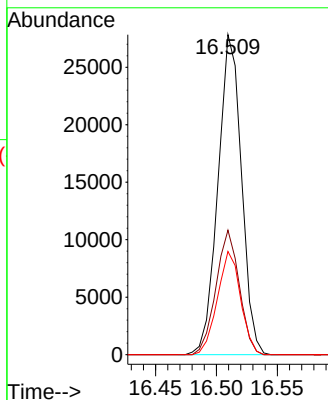
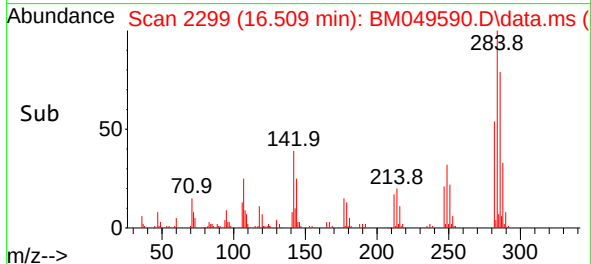
Tgt Ion:284 Resp: 37314
Ion Ratio Lower Upper
284 100
142 38.9 27.1 40.7
249 32.3 24.6 36.8

Manual Integrations
APPROVED

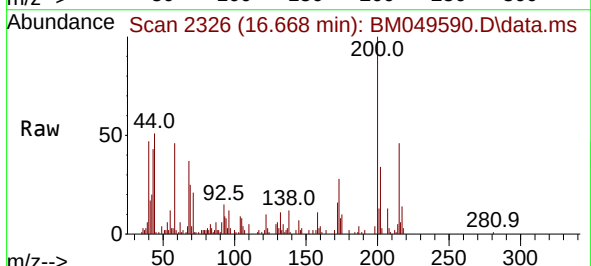
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

02/07/2025
Supervised By :mohammad
ahmed

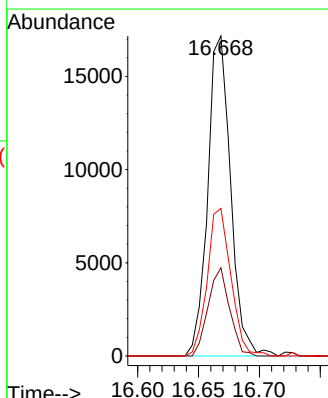
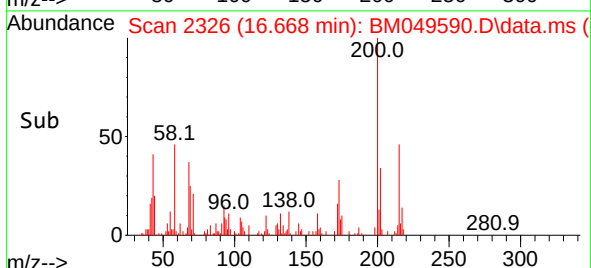
02/07/2025

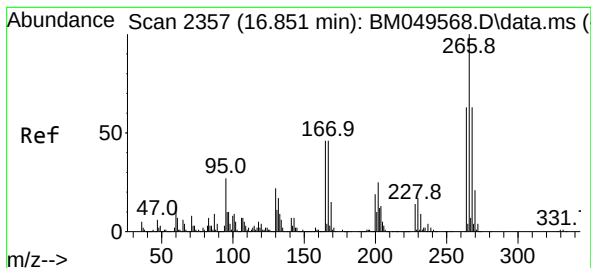


#69
Atrazine
Concen: 3.101 ng
RT: 16.668 min Scan# 2326
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16



Tgt Ion:200 Resp: 22526
Ion Ratio Lower Upper
200 100
173 27.6 7.6 47.6
215 46.1 30.2 70.2





#70

Pentachlorophenol

Concen: 8.960 ng

RT: 16.851 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:	266	Resp:	962
Ion Ratio	Lower	Upper	
266	100		
268	55.7	50.8	76.2
264	66.4	50.0	75.0

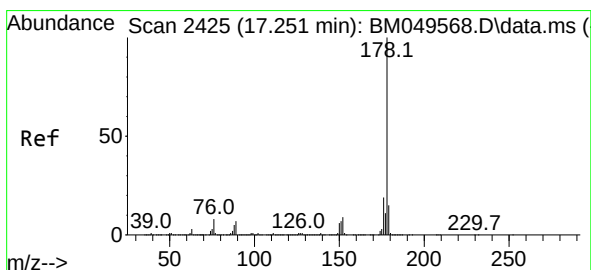
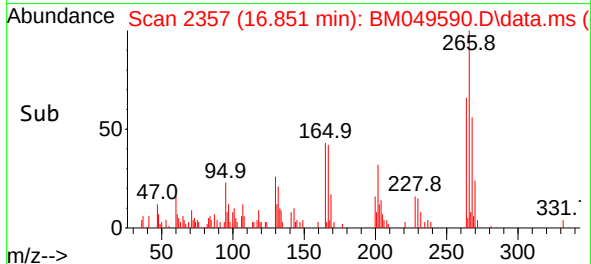
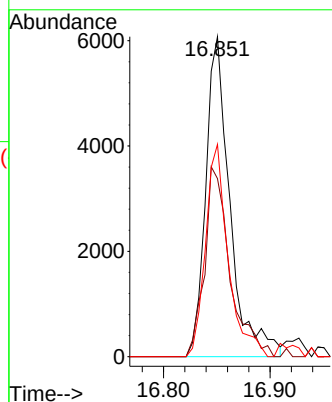
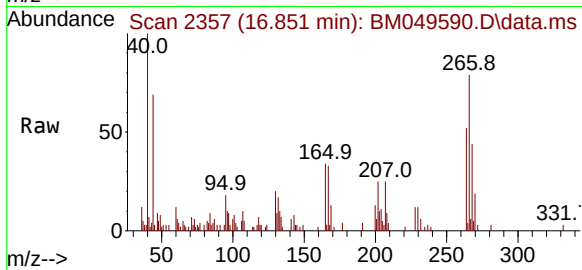
Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

02/07/2025
Supervised By :mohammad
ahmed

02/07/2025



#71

Phenanthrene

Concen: 3.693 ng

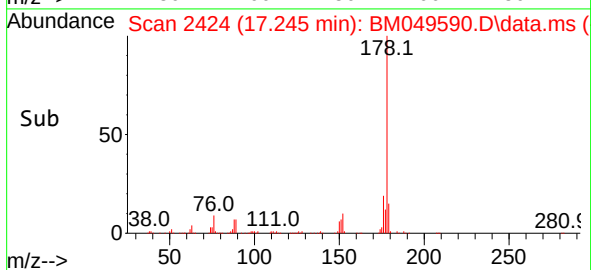
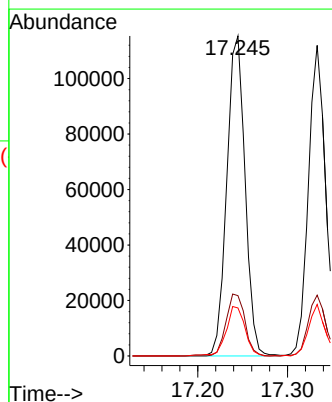
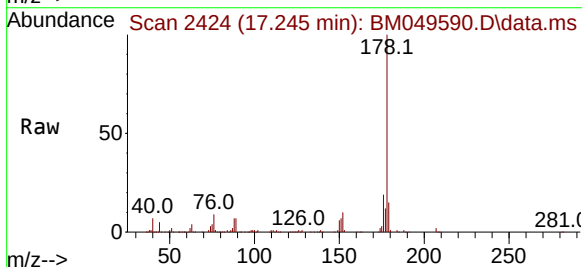
RT: 17.245 min Scan# 2424

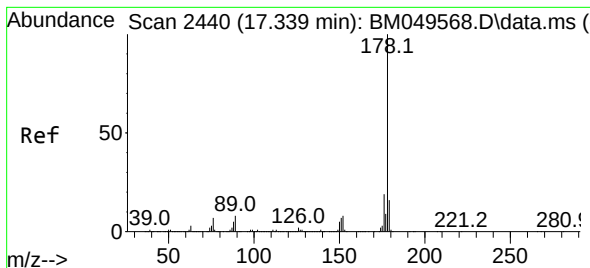
Delta R.T. -0.006 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

Tgt Ion:	178	Resp:	163022
Ion Ratio	Lower	Upper	
178	100		
176	18.8	15.5	23.3
179	15.0	12.2	18.2





#72

Anthracene

Concen: 3.432 ng

RT: 17.333 min Scan# 2440

Delta R.T. -0.006 min

Lab File: BM049590.D

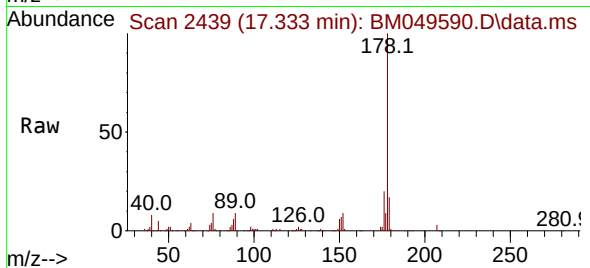
Acq: 06 Feb 2025 22:16

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:178 Resp: 14999

Ion Ratio Lower Upper

178 100

176 19.6 15.2 22.8

179 16.6 12.4 18.6

Manual Integrations

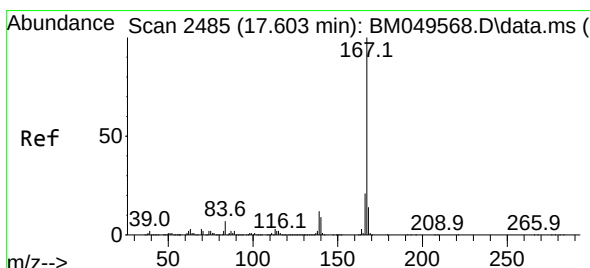
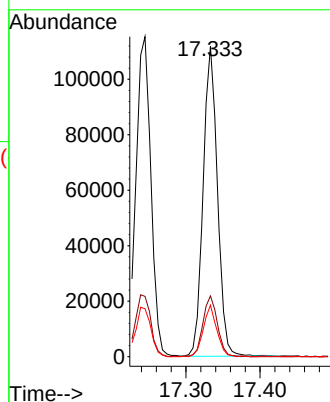
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

02/07/2025

Supervised By :mohammad
ahmed

02/07/2025



#73

Carbazole

Concen: 3.478 ng

RT: 17.598 min Scan# 2484

Delta R.T. -0.006 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

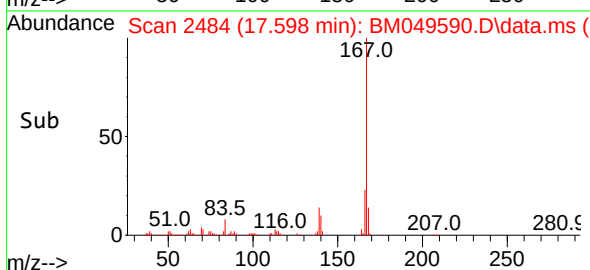
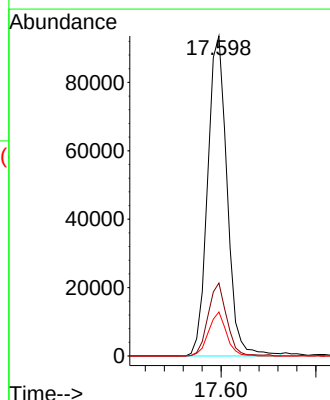
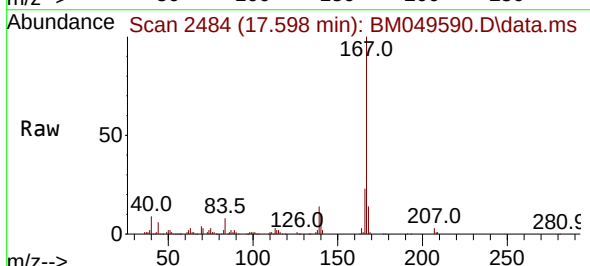
Tgt Ion:167 Resp: 133448

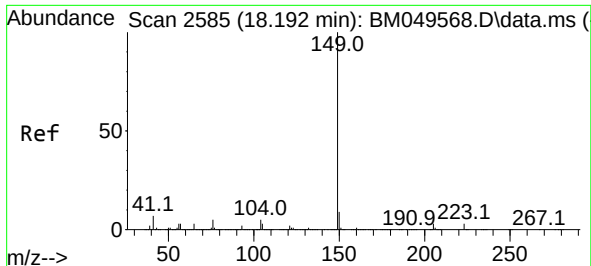
Ion Ratio Lower Upper

167 100

166 22.8 17.2 25.8

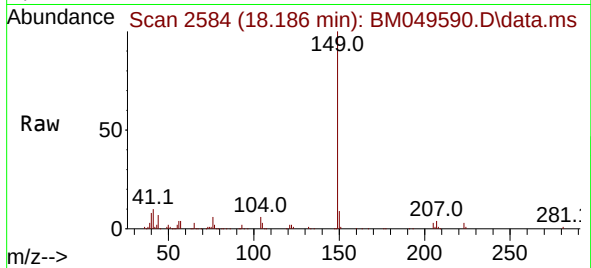
139 13.7 9.6 14.4





#74
Di-n-butylphthalate
Concen: 2.546 ng
RT: 18.186 min Scan# 2584
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT1-2025



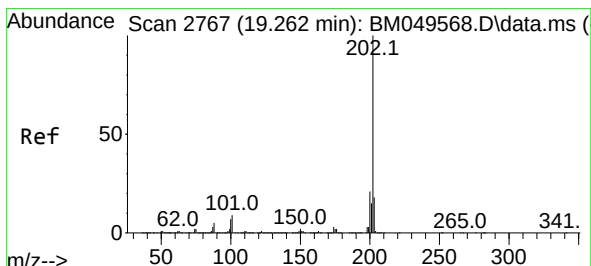
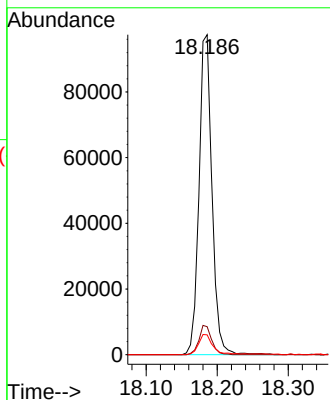
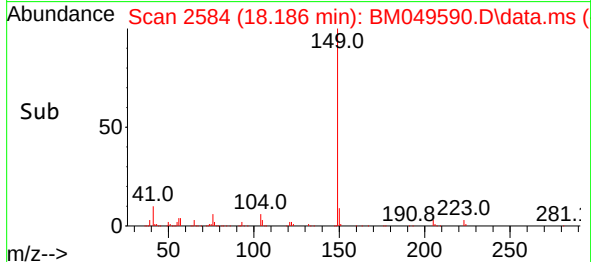
Tgt Ion:149 Resp: 123952
Ion Ratio Lower Upper
149 100
150 8.7 7.4 11.0
104 6.2 4.1 6.1

Manual Integrations
APPROVED

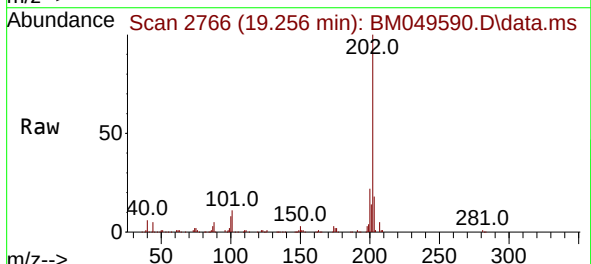
Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

02/07/2025
Supervised By :mohammad
ahmed

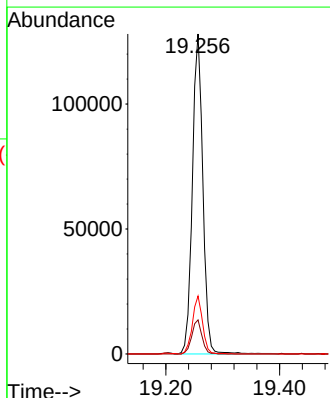
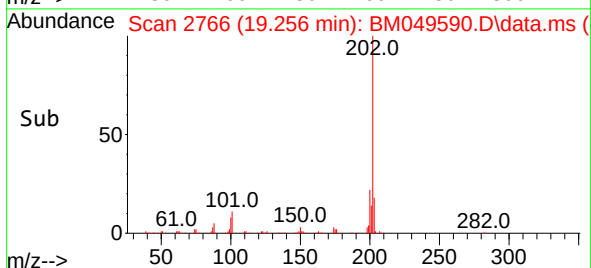
02/07/2025

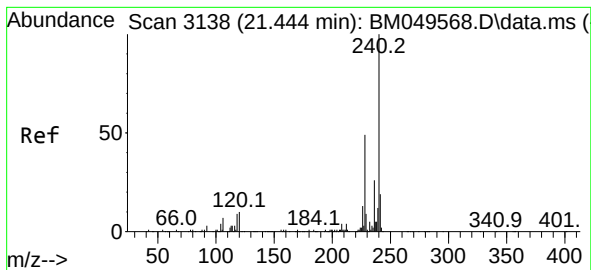


#75
Fluoranthene
Concen: 3.190 ng
RT: 19.256 min Scan# 2766
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16



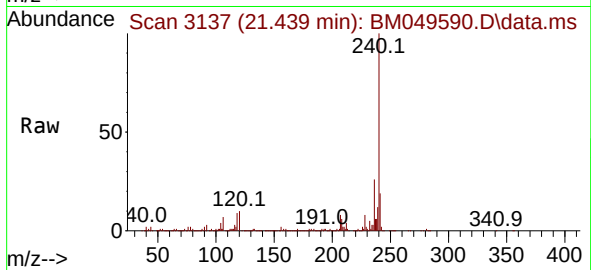
Tgt Ion:202 Resp: 164872
Ion Ratio Lower Upper
202 100
101 10.6 0.0 29.1
203 18.1 0.0 37.5





#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3138
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



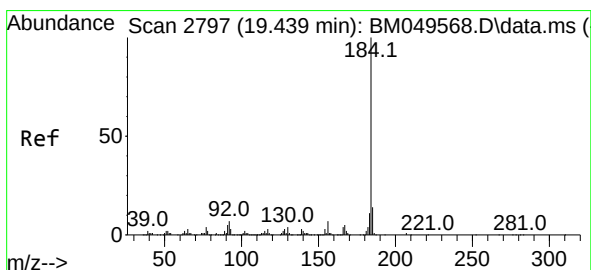
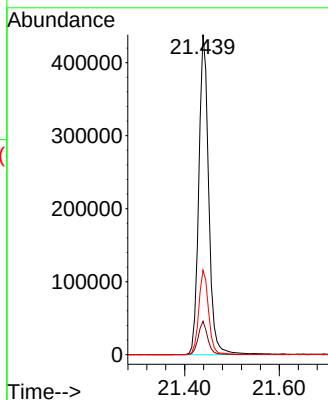
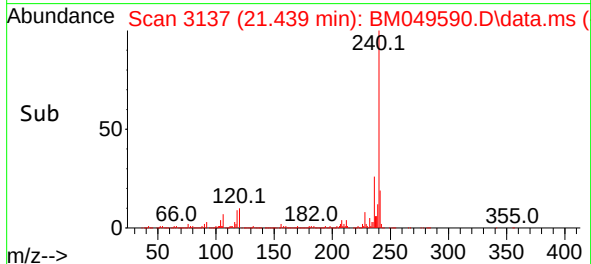
Tgt Ion:240 Resp: 63692
Ion Ratio Lower Upper
240 100
120 10.5 7.8 11.8
236 26.4 20.6 31.0

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

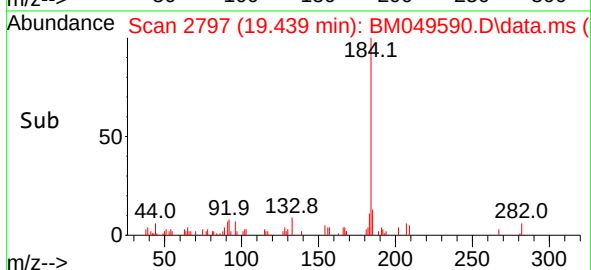
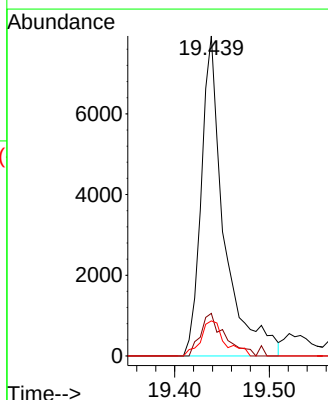
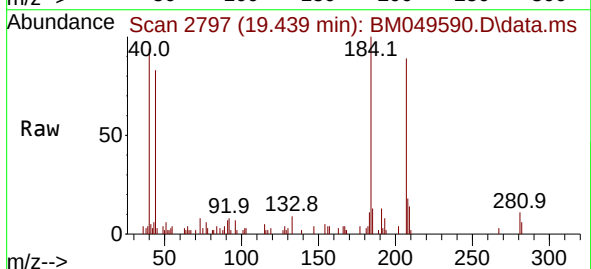
02/07/2025
Supervised By :mohammad
ahmed

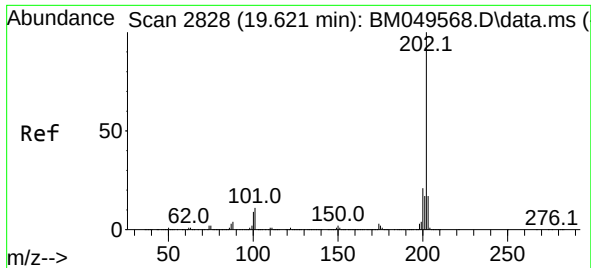
02/07/2025



#77
Benzidine
Concen: 2.352 ng
RT: 19.439 min Scan# 2797
Delta R.T. 0.000 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

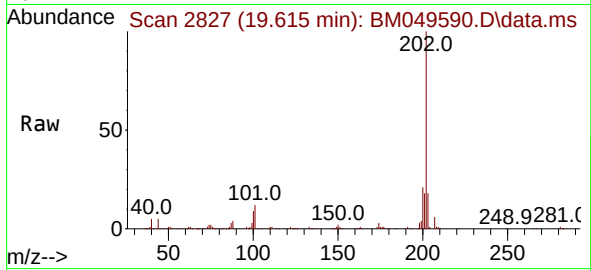
Tgt Ion:184 Resp: 13265
Ion Ratio Lower Upper
184 100
185 13.3 11.6 17.4
183 11.0 8.9 13.3





#78
Pyrene
Concen: 3.693 ng
RT: 19.615 min Scan# 2827
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



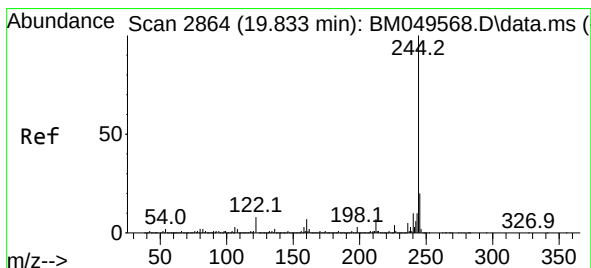
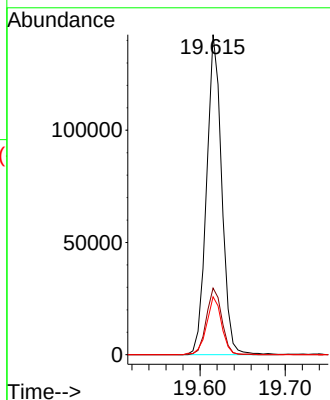
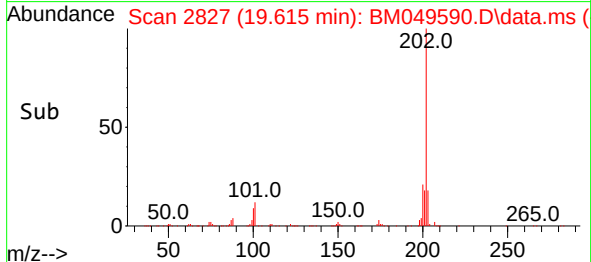
Tgt Ion:202 Resp: 17610
Ion Ratio Lower Upper
202 100
200 20.8 16.8 25.2
203 18.1 13.8 20.8

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

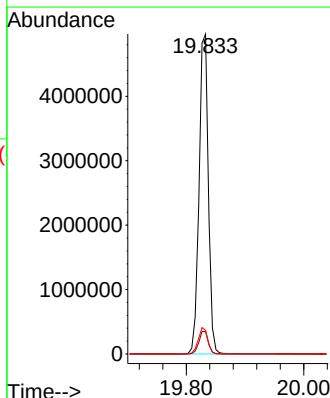
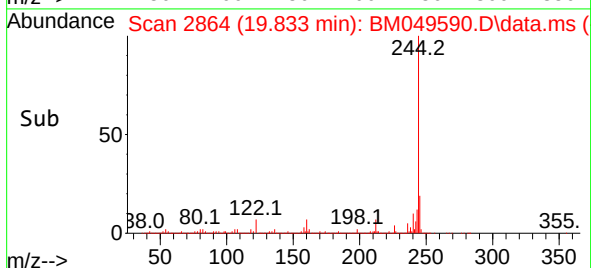
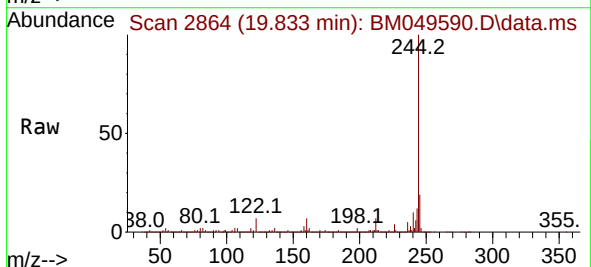
02/07/2025
Supervised By :mohammad
ahmed

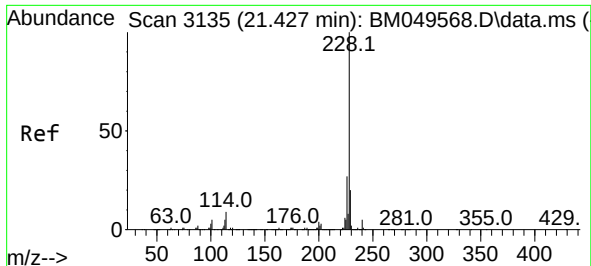
02/07/2025



#79
Terphenyl-d14
Concen: 129.928 ng
RT: 19.833 min Scan# 2864
Delta R.T. 0.000 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

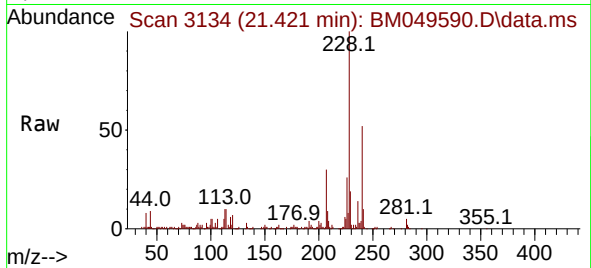
Tgt Ion:244 Resp: 5419260
Ion Ratio Lower Upper
244 100
212 7.0 5.8 8.6
122 7.4 6.2 9.2





#81
Benzo(a)anthracene
Concen: 3.708 ng
RT: 21.421 min Scan# 3135
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



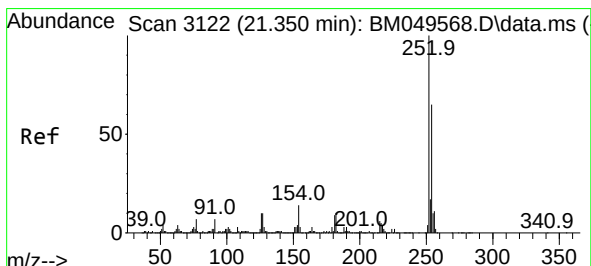
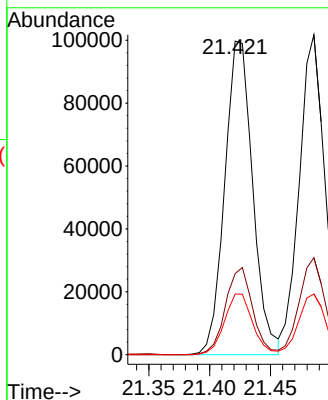
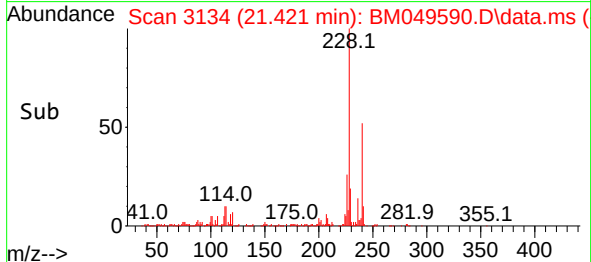
Tgt Ion:228 Resp: 160039
Ion Ratio Lower Upper
228 100
226 25.9 22.0 33.0
229 19.3 15.7 23.5

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

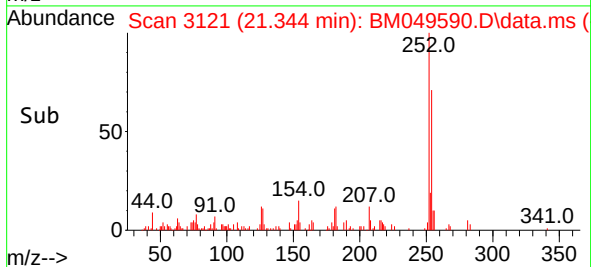
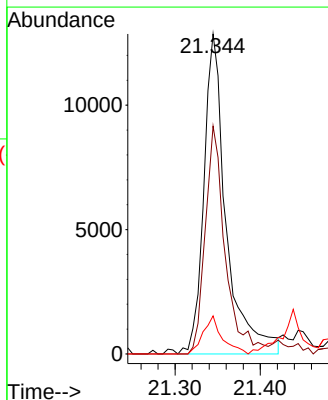
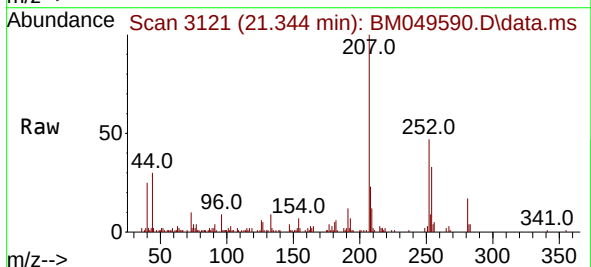
02/07/2025
Supervised By :mohammad
ahmed

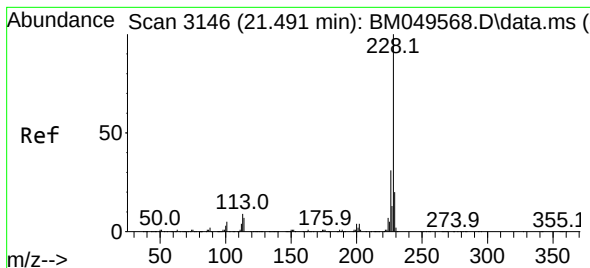
02/07/2025



#82
3,3'-Dichlorobenzidine
Concen: 2.021 ng
RT: 21.344 min Scan# 3121
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Tgt Ion:252 Resp: 23474
Ion Ratio Lower Upper
252 100
254 71.2 52.1 78.1
126 11.9 7.8 11.6#





#83

Chrysene

Concen: 3.838 ng

RT: 21.486 min Scan# 3146

Delta R.T. -0.006 min

Lab File: BM049590.D

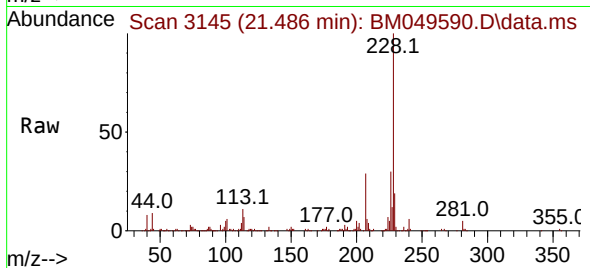
Acq: 06 Feb 2025 22:16

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:	228	Resp:	155224
Ion Ratio	Lower	Upper	
228	100		
226	30.3	24.5	36.7
229	18.9	15.7	23.5

Manual Integrations

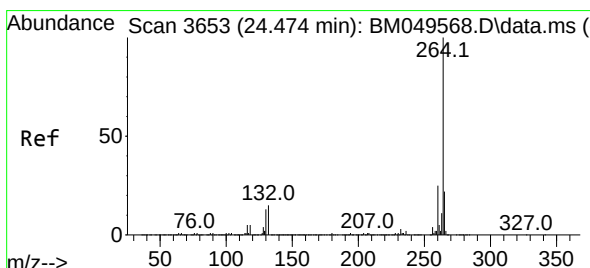
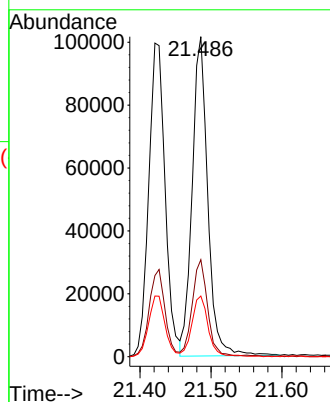
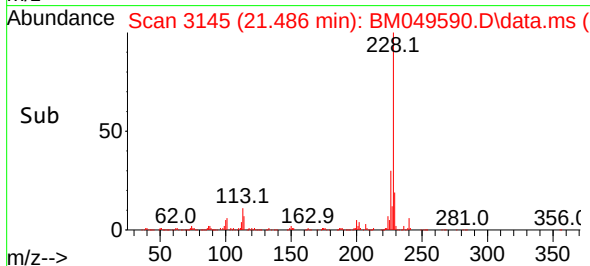
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

02/07/2025

Supervised By :mohammad
ahmed

02/07/2025



#86

Perylene-d12

Concen: 20.000 ng

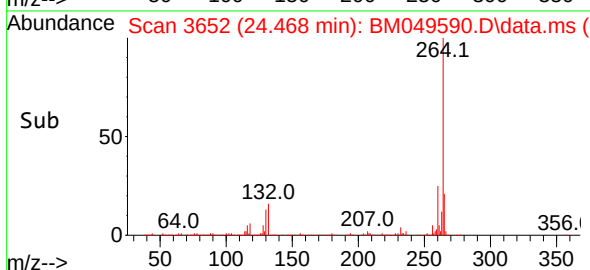
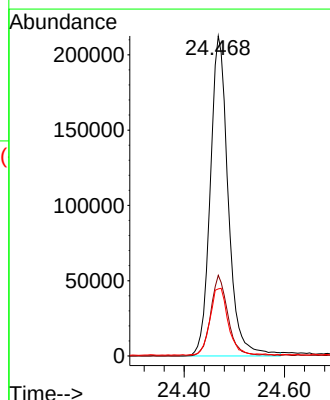
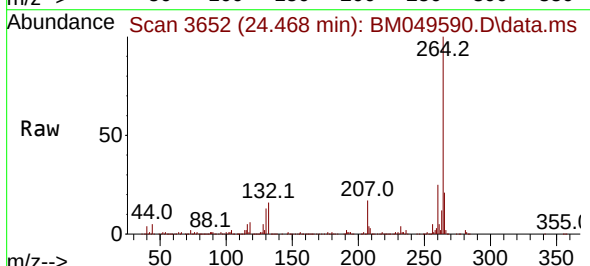
RT: 24.468 min Scan# 3652

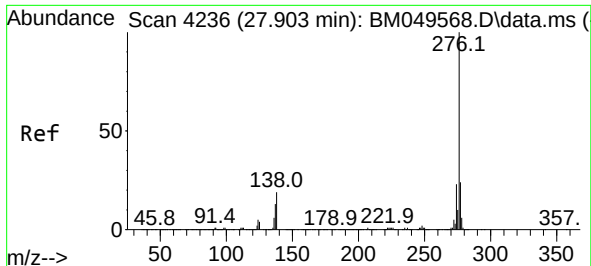
Delta R.T. -0.006 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

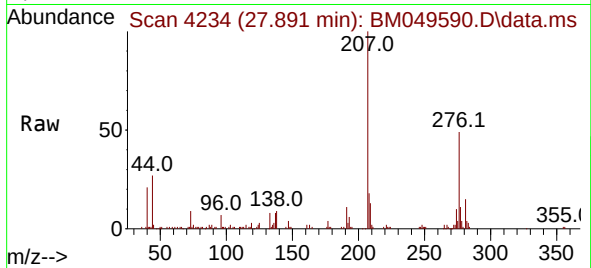
Tgt Ion:	264	Resp:	528165
Ion Ratio	Lower	Upper	
264	100		
260	25.2	19.8	29.6
265	21.0	17.5	26.3





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.832 ng
RT: 27.891 min Scan# 41
Delta R.T. -0.012 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



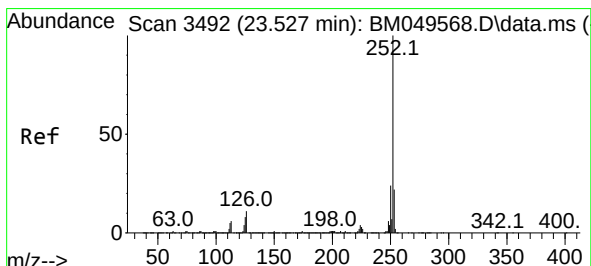
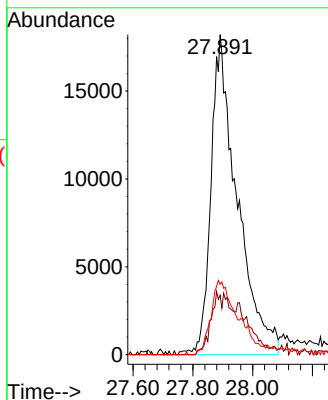
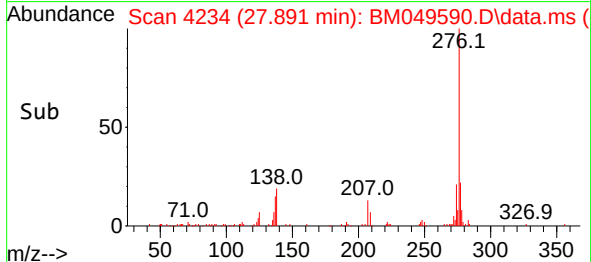
Tgt Ion:276 Resp: 11054
Ion Ratio Lower Upper
276 100
138 8.1 13.1 19.7
277 24.0 19.9 29.9

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

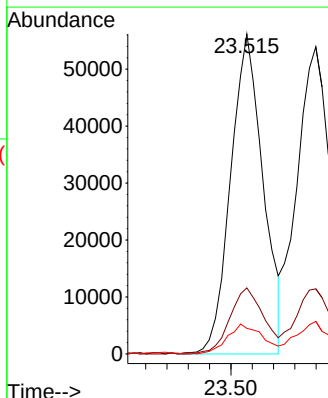
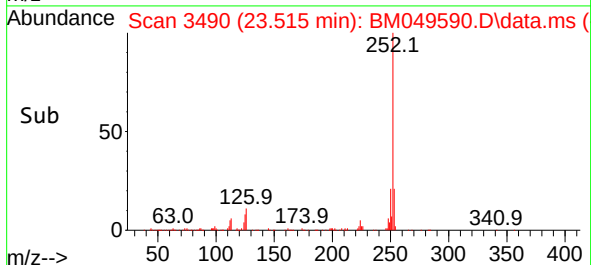
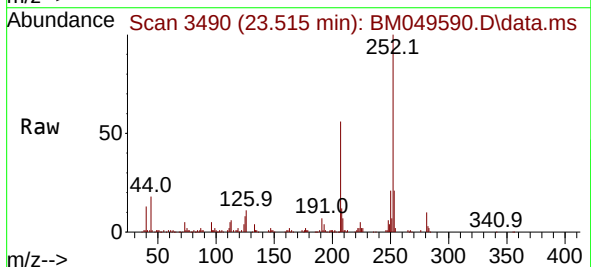
02/07/2025
Supervised By :mohammad
ahmed

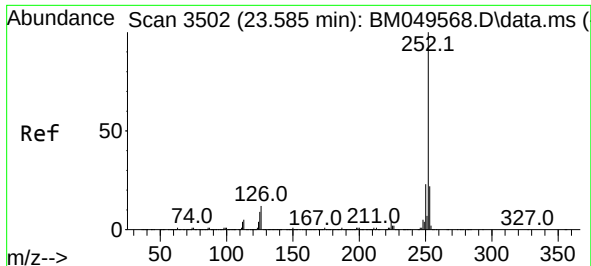
02/07/2025



#88
Benzo(b)fluoranthene
Concen: 3.273 ng
RT: 23.515 min Scan# 3490
Delta R.T. -0.012 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

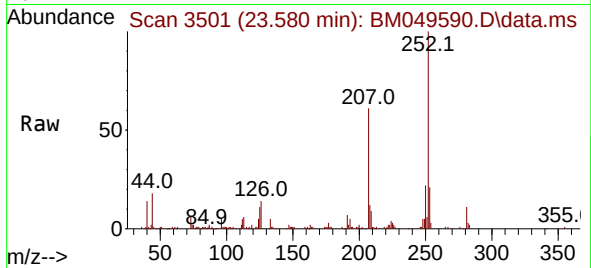
Tgt Ion:252 Resp: 118938
Ion Ratio Lower Upper
252 100
253 20.7 17.4 26.2
125 8.0 6.6 10.0





#89
Benzo(k)fluoranthene
Concen: 3.656 ng m
RT: 23.580 min Scan# 3502
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

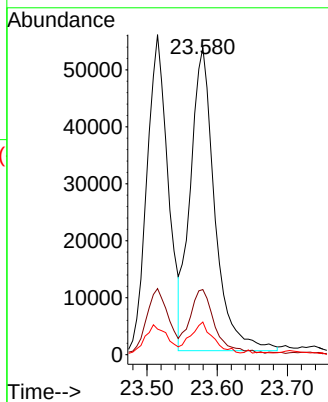
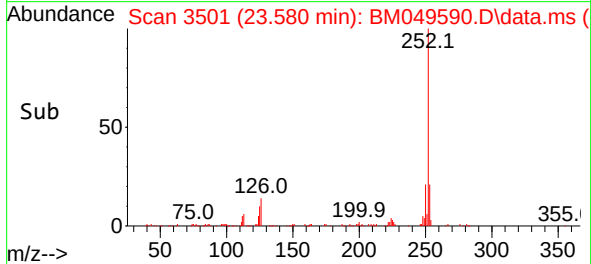
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2025



Tgt Ion:252 Resp: 129008
Ion Ratio Lower Upper
252 100
253 21.2 17.5 26.3
125 10.6 7.0 10.6

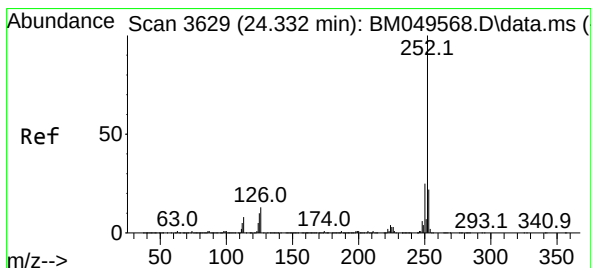
Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025



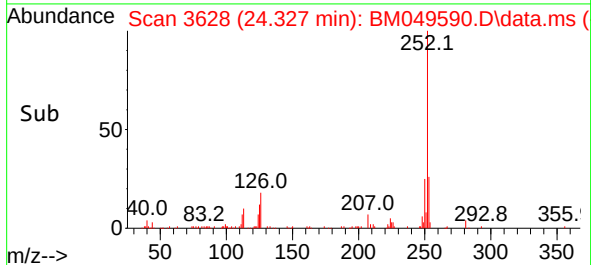
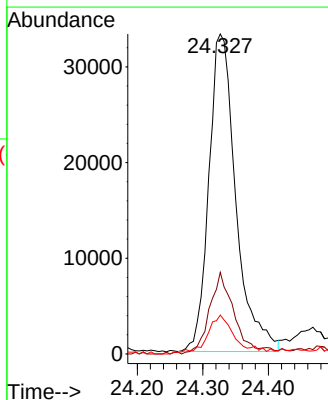
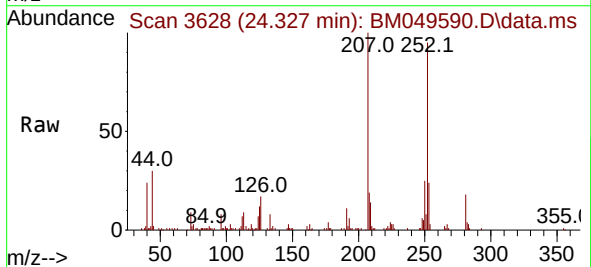
02/07/2025
Supervised By :mohammad
ahmed

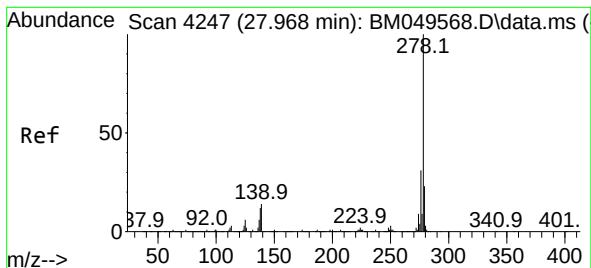
02/07/2025



#90
Benzo(a)pyrene
Concen: 3.298 ng
RT: 24.327 min Scan# 3628
Delta R.T. -0.006 min
Lab File: BM049590.D
Acq: 06 Feb 2025 22:16

Tgt Ion:252 Resp: 94963
Ion Ratio Lower Upper
252 100
253 25.5 17.4 26.0
125 12.1 8.2 12.2





#91

Dibenzo(a,h)anthracene

Concen: 3.700 ng m

RT: 27.956 min Scan# 41

Delta R.T. -0.012 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2025

Tgt Ion:278	Resp: 8435
Ion Ratio	Lower Upper
278 100	
139 13.5	11.5 17.3
279 26.7	18.2 27.2

Manual Integrations

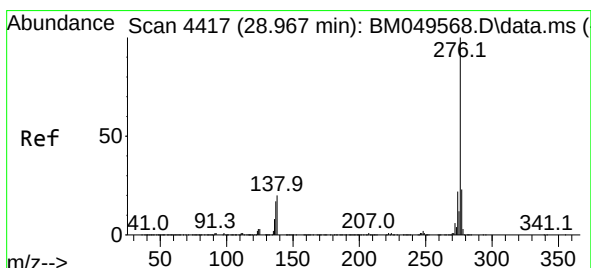
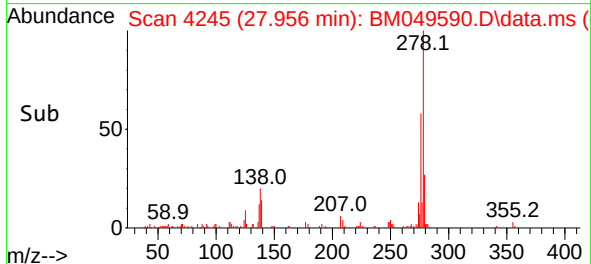
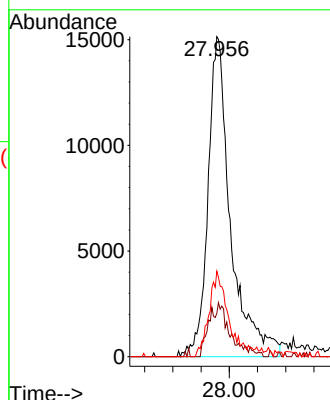
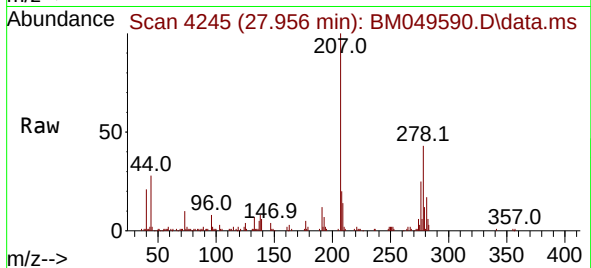
APPROVED

Reviewed By :Jagrut Upadhyay 02/07/2025
Supervised By :mohammad ahmed 02/07/2025

02/07/2025

Supervised By :mohammad
ahmed

02/07/2025



#92

Benzo(g,h,i)perylene

Concen: 3.768 ng m

RT: 28.950 min Scan# 4414

Delta R.T. -0.018 min

Lab File: BM049590.D

Acq: 06 Feb 2025 22:16

Tgt Ion:276	Resp: 95950
Ion Ratio	Lower Upper
276 100	
277 23.1	18.7 28.1
138 18.7	16.0 24.0

