

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102424\
 Data File : BM048223.D
 Acq On : 24 Oct 2024 19:07
 Operator : RC/JU
 Sample : P4368-01
 Misc : LOD-MDL-SOIL-04 ng
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2024

Quant Time: Oct 24 23:59:04 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM102324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Oct 23 18:21:59 2024
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Yogesh Patel 10/25/2024
 Supervised By :mohammad ahmed 10/26/2024

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.716	152	240266	20.000	ng	0.00
21) Naphthalene-d8	10.510	136	973832	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	618085	20.000	ng	0.00
64) Phenanthrene-d10	17.104	188	1239411	20.000	ng	0.00
76) Chrysene-d12	21.333	240	1203213	20.000	ng	0.00
86) Perylene-d12	24.286	264	1368076	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.305	112	1530715	107.092	ng	0.00
7) Phenol-d6	6.899	99	1985064	106.639	ng	0.00
23) Nitrobenzene-d5	8.875	82	1284183	74.457	ng	0.00
42) 2,4,6-Tribromophenol	15.857	330	798826	105.589	ng	0.00
45) 2-Fluorobiphenyl	12.981	172	2879172	71.480	ng	0.00
79) Terphenyl-d14	19.733	244	3710857	62.939	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.205	88	22506	3.847	ng	97
3) Pyridine	3.617	79	46681	3.003	ng	95
4) n-Nitrosodimethylamine	3.517	42	23142	3.507	ng	# 95
6) Aniline	7.052	93	68739	4.449	ng	99
8) 2-Chlorophenol	7.287	128	56901	3.664	ng	98
9) Benzaldehyde	6.863	77	49360m	5.397	ng	
10) Phenol	6.922	94	67832	3.622	ng	84
11) bis(2-Chloroethyl)ether	7.146	93	52157	3.496	ng	97
12) 1,3-Dichlorobenzene	7.610	146	63527	3.548	ng	98
13) 1,4-Dichlorobenzene	7.752	146	64389	3.540	ng	98
14) 1,2-Dichlorobenzene	8.069	146	62666	3.565	ng	96
15) Benzyl Alcohol	7.969	79	40063	3.374	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.240	45	81753	3.747	ng	99
17) 2-Methylphenol	8.169	107	40425	3.248	ng	96
18) Hexachloroethane	8.793	117	22853	3.428	ng	100
19) n-Nitroso-di-n-propyla...	8.522	70	39700	3.371	ng	99
20) 3+4-Methylphenols	8.505	107	52753	3.060	ng	96
22) Acetophenone	8.540	105	83521	3.514	ng	# 97
24) Nitrobenzene	8.916	77	64824	3.627	ng	96
25) Isophorone	9.446	82	104462	3.304	ng	97
26) 2-Nitrophenol	9.634	139	24316	2.947	ng	93
27) 2,4-Dimethylphenol	9.699	122	22441	2.242	ng	98
28) bis(2-Chloroethoxy)met...	9.928	93	65148	3.257	ng	99
29) 2,4-Dichlorophenol	10.181	162	42960	2.983	ng	98
30) 1,2,4-Trichlorobenzene	10.375	180	56196	3.407	ng	99
31) Naphthalene	10.557	128	173627	3.418	ng	100
32) Benzoic acid	9.787	122	17384	1.560	ng	95
33) 4-Chloroaniline	10.687	127	58142	3.530	ng	97
34) Hexachlorobutadiene	10.846	225	33308	3.258	ng	91
35) Caprolactam	11.457	113	12063	2.579	ng	93
36) 4-Chloro-3-methylphenol	11.816	107	44469	2.958	ng	95
37) 2-Methylnaphthalene	12.181	142	112725	3.322	ng	98
38) 1-Methylnaphthalene	12.398	142	107236	3.187	ng	99
40) 1,2,4,5-Tetrachloroben...	12.551	216	60164	3.406	ng	98
41) Hexachlorocyclopentadiene	12.528	237	11533	1.929	ng	95
43) 2,4,6-Trichlorophenol	12.798	196	34524	2.945	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.881	196	37505	2.869	ng	96
46) 1,1'-Biphenyl	13.192	154	159415	3.612	ng	99
47) 2-Chloronaphthalene	13.234	162	116714	3.354	ng	98
48) 2-Nitroaniline	13.451	65	25594	2.712	ng	98
49) Acenaphthylene	14.081	152	179120	3.528	ng	99
50) Dimethylphthalate	13.822	163	139085	3.296	ng	99
51) 2,6-Dinitrotoluene	13.939	165	25158	2.672	ng	# 87
52) Acenaphthene	14.428	154	107547	3.334	ng	96
53) 3-Nitroaniline	14.281	138	22680	2.554	ng	# 99
54) 2,4-Dinitrophenol	14.492	184	8836	1.606	ng	89
55) Dibenzofuran	14.763	168	176072	3.436	ng	99
56) 4-Nitrophenol	14.616	139	14419	1.820	ng	99
57) 2,4-Dinitrotoluene	14.739	165	31129	2.504	ng	88
58) Fluorene	15.410	166	136841	3.377	ng	98
59) 2,3,4,6-Tetrachlorophenol	14.998	232	35382	3.265	ng	99
60) Diethylphthalate	15.186	149	135739	3.177	ng	98
61) 4-Chlorophenyl-phenyle...	15.404	204	68147	3.363	ng	98
62) 4-Nitroaniline	15.445	138	19985	2.175	ng	99
63) Azobenzene	15.698	77	119611	3.124	ng	97
65) 4,6-Dinitro-2-methylph...	15.510	198	14849	2.065	ng	92
66) n-Nitrosodiphenylamine	15.622	169	111602	3.280	ng	98
67) 4-Bromophenyl-phenylether	16.298	248	41571	3.308	ng	97
68) Hexachlorobenzene	16.416	284	50789	3.365	ng	99
69) Atrazine	16.575	200	38394	4.033	ng	97
70) Pentachlorophenol	16.769	266	26260	2.650	ng	96
71) Phenanthrene	17.145	178	216802	3.533	ng	99
72) Anthracene	17.239	178	190638	3.209	ng	98
73) Carbazole	17.516	167	182266	3.130	ng	100
74) Di-n-butylphthalate	18.074	149	216482	2.986	ng	99
75) Fluoranthene	19.169	202	240059	3.279	ng	99
77) Benzidine	19.357	184	45265m	3.260	ng	
78) Pyrene	19.527	202	251574	3.124	ng	98
80) Butylbenzylphthalate	20.427	149	94302	2.800	ng	97
81) Benzo(a)anthracene	21.315	228	259064	3.369	ng	100
82) 3,3'-Dichlorobenzidine	21.245	252	78741	2.990	ng	100
83) Chrysene	21.374	228	257998	3.496	ng	99
84) Bis(2-ethylhexyl)phtha...	21.239	149	148901	3.042	ng	98
85) Di-n-octyl phthalate	22.351	149	223437	2.636	ng	# 98
87) Indeno(1,2,3-cd)pyrene	27.603	276	302168	3.340	ng	99
88) Benzo(b)fluoranthene	23.351	252	251080	3.201	ng	100
89) Benzo(k)fluoranthene	23.415	252	263247	3.471	ng	98
90) Benzo(a)pyrene	24.145	252	227945	3.343	ng	99
91) Dibenzo(a,h)anthracene	27.650	278	249281	3.309	ng	98
92) Benzo(g,h,i)perylene	28.639	276	240917	3.123	ng	99

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

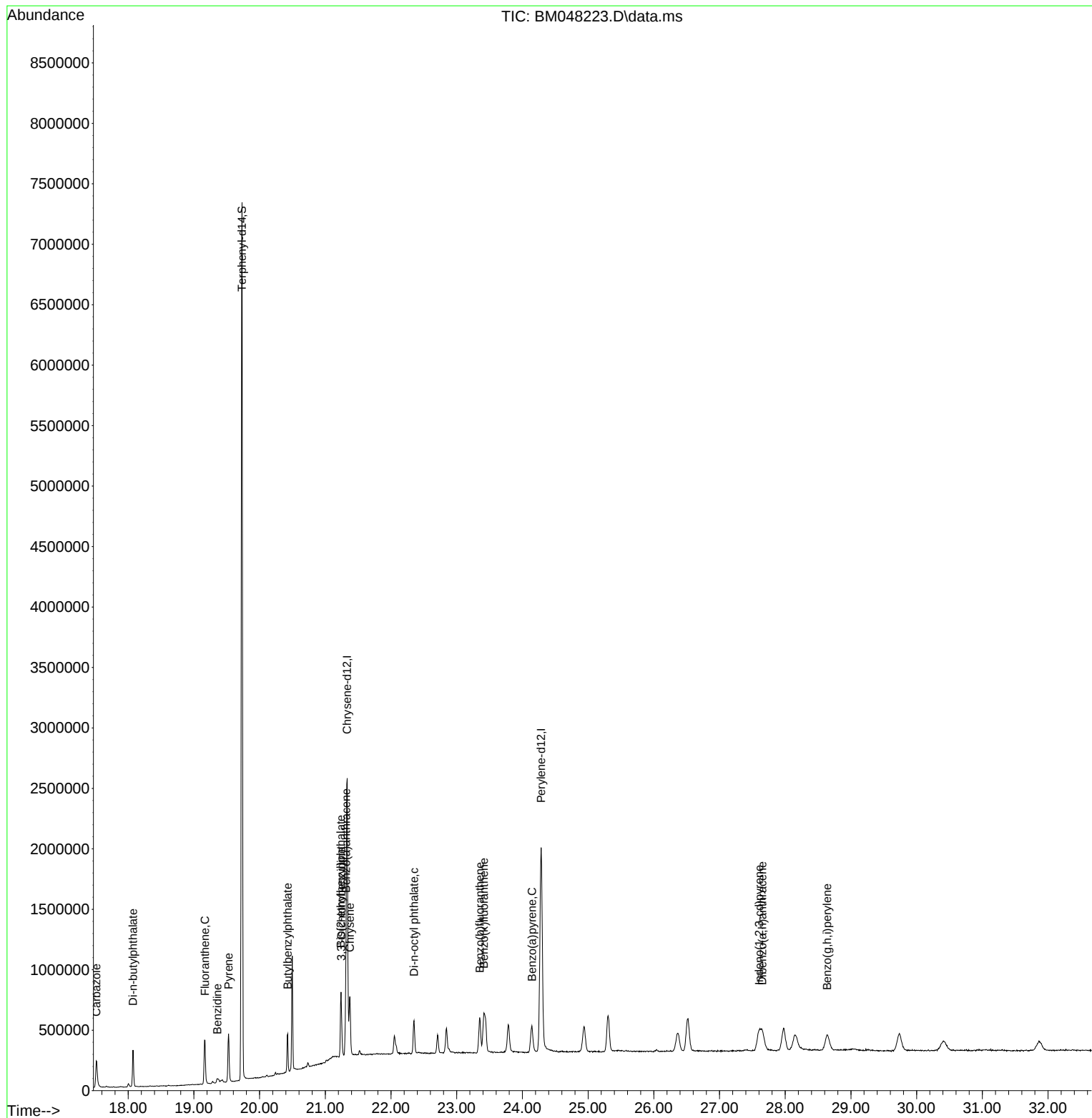
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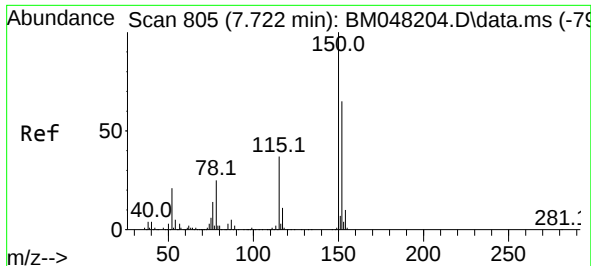
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

Manual Integrations
APPROVED

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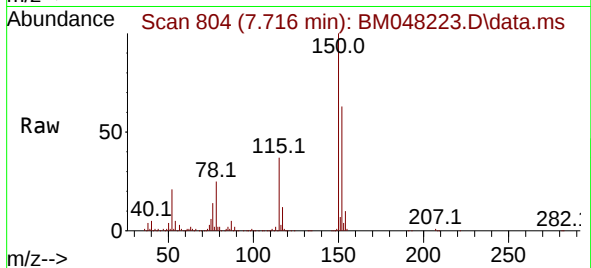
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.716 min Scan# 805
Delta R.T. -0.006 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

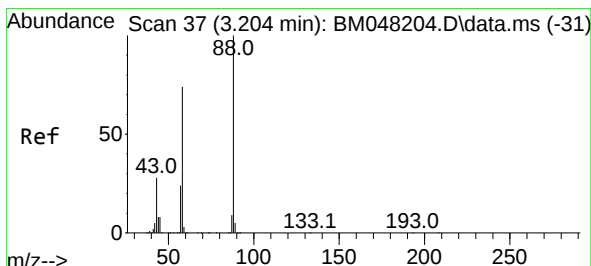
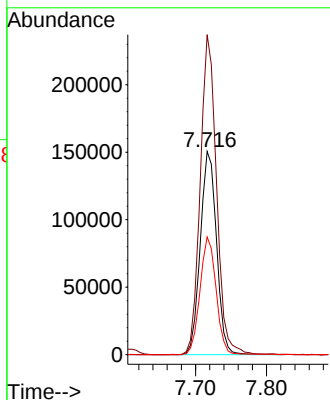
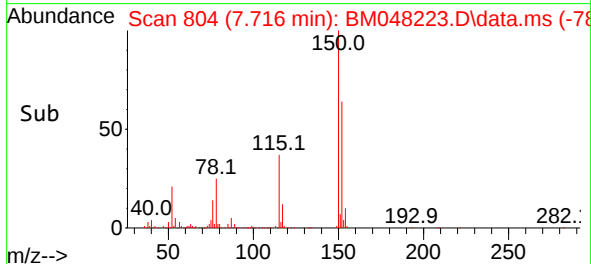
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:152 Resp: 240260
Ion Ratio Lower Upper
152 100
150 157.5 123.0 184.6
115 58.0 45.8 68.6

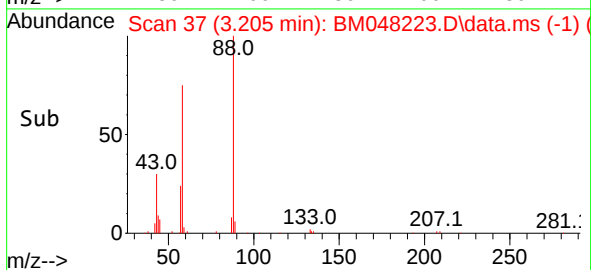
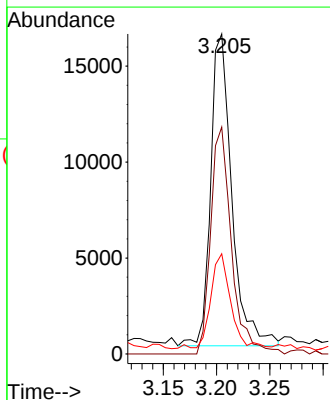
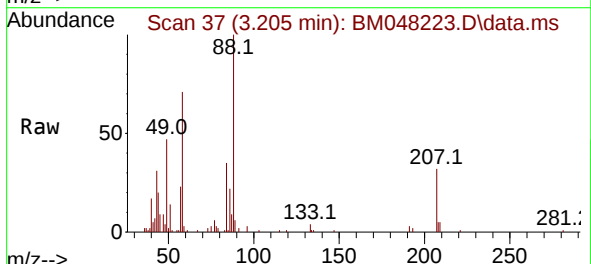
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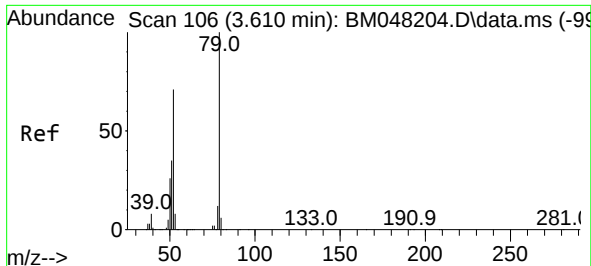
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#2
1,4-Dioxane
Concen: 3.847 ng
RT: 3.205 min Scan# 37
Delta R.T. 0.000 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

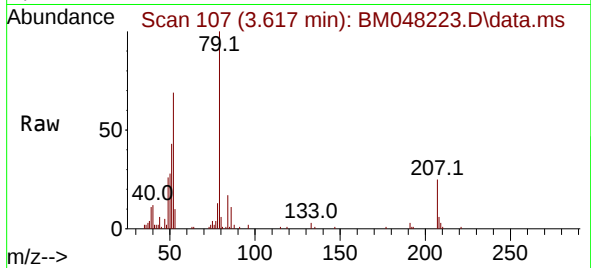
Tgt Ion: 88 Resp: 22506
Ion Ratio Lower Upper
88 100
58 71.3 59.7 89.5
43 29.1 22.6 33.8





#3
Pyridine
Concen: 3.003 ng
RT: 3.617 min Scan# 106
Delta R.T. 0.006 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

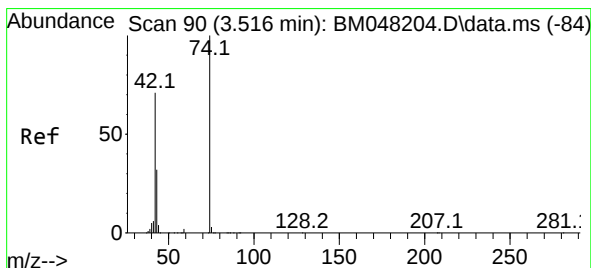
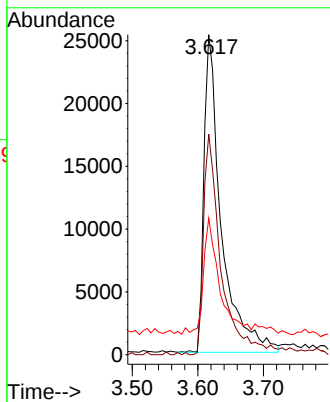
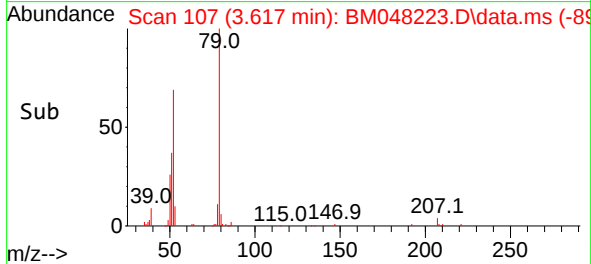
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



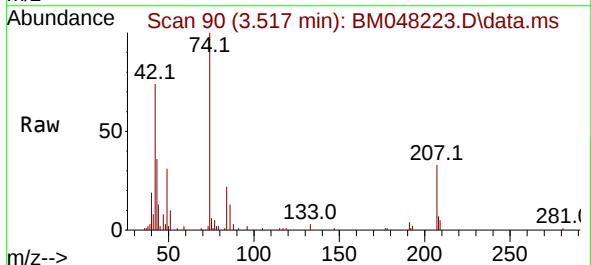
Tgt Ion: 79 Resp: 4668
Ion Ratio Lower Upper
79 100
52 68.9 56.5 84.7
51 42.6 28.5 42.7

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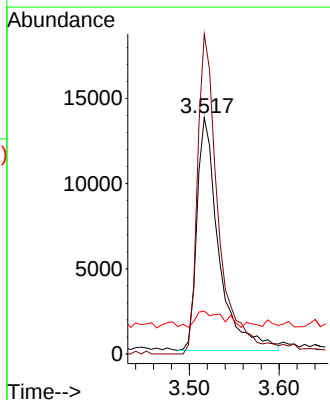
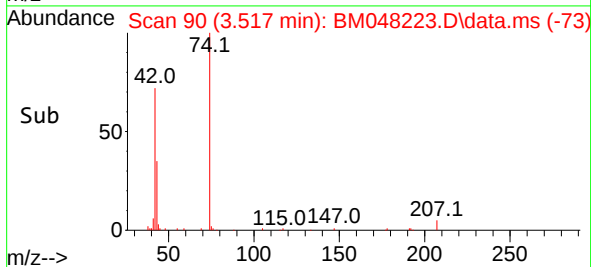
Reviewed By :Yogesh Patel 10/25/2024
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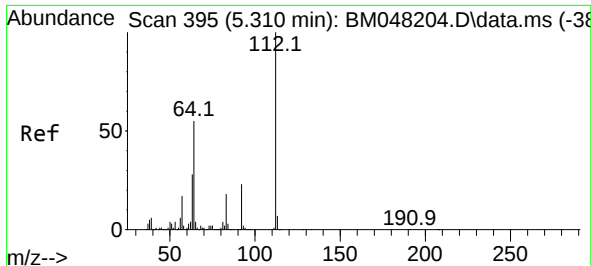


#4
n-Nitrosodimethylamine
Concen: 3.507 ng
RT: 3.517 min Scan# 90
Delta R.T. 0.000 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07



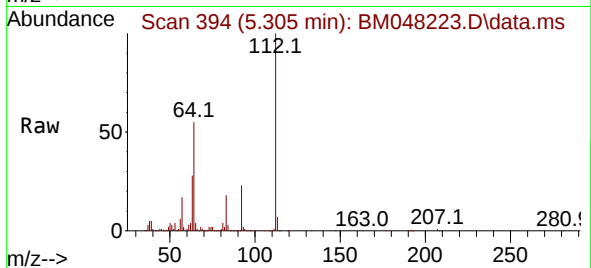
Tgt Ion: 42 Resp: 23142
Ion Ratio Lower Upper
42 100
74 135.4 111.8 167.6
44 18.2 6.0 9.0





#5
2-Fluorophenol
Concen: 107.092 ng
RT: 5.305 min Scan# 394
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

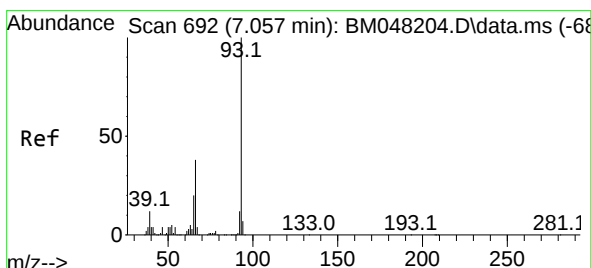
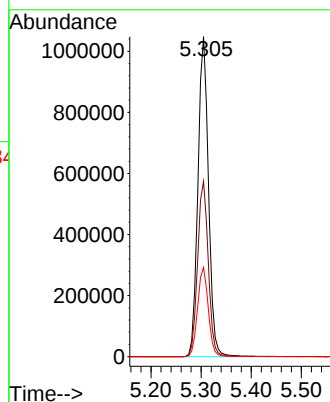
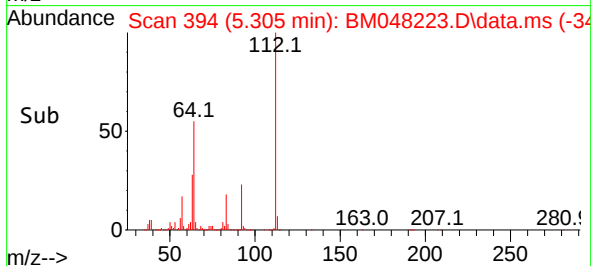
Instrument :
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Tgt Ion: 112 Resp: 153071
Ion Ratio Lower Upper
112 100
64 54.8 44.2 66.2
63 27.9 22.7 34.1

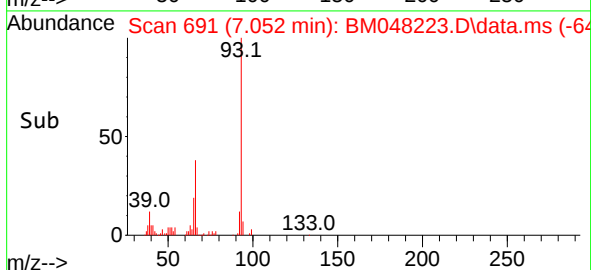
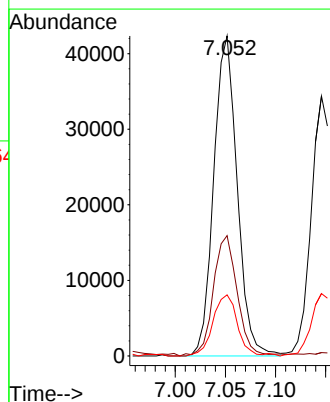
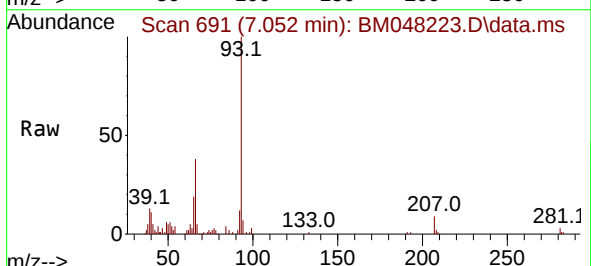
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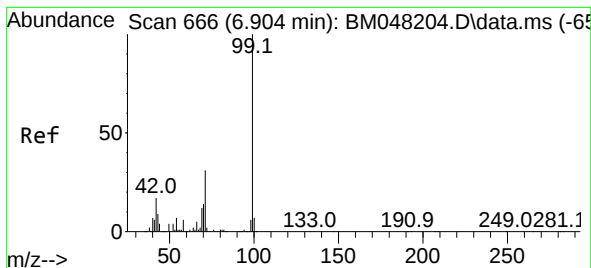
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#6
Aniline
Concen: 4.449 ng
RT: 7.052 min Scan# 691
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

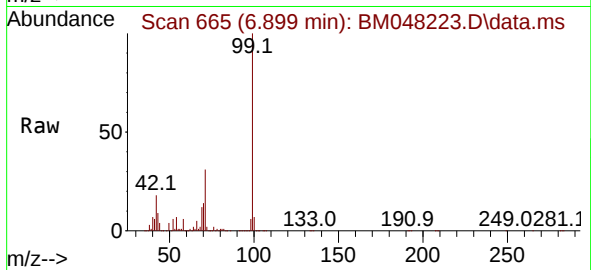
Tgt Ion: 93 Resp: 68739
Ion Ratio Lower Upper
93 100
66 37.6 30.2 45.2
65 19.1 16.2 24.2





#7
Phenol-d6
Concen: 106.639 ng
RT: 6.899 min Scan# 61
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

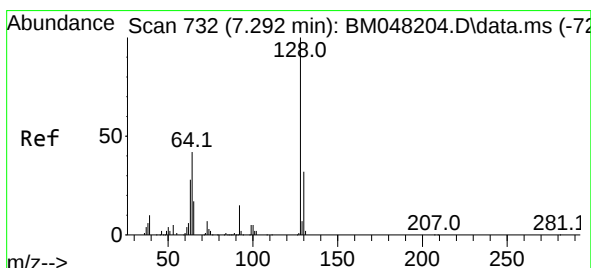
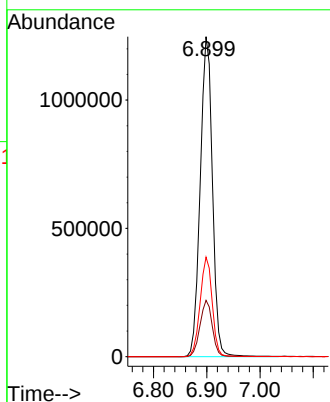
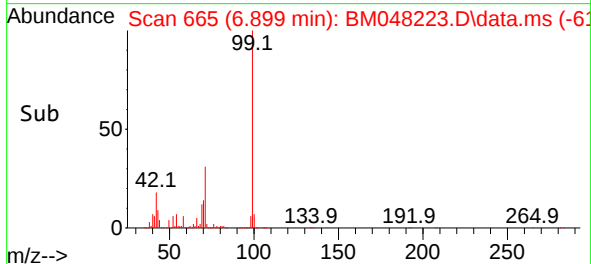
Instrument :
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ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion: 99 Resp: 1985064
Ion Ratio Lower Upper
99 100
42 17.6 13.8 20.8
71 31.1 24.9 37.3

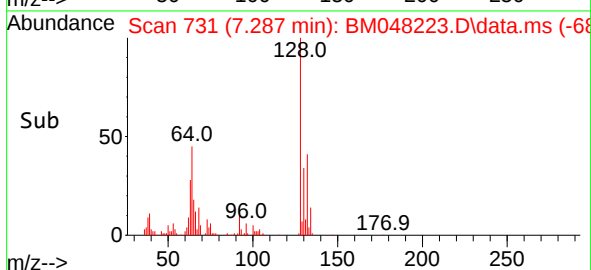
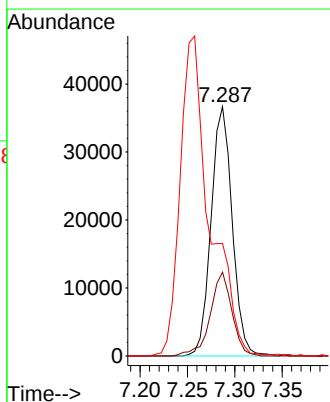
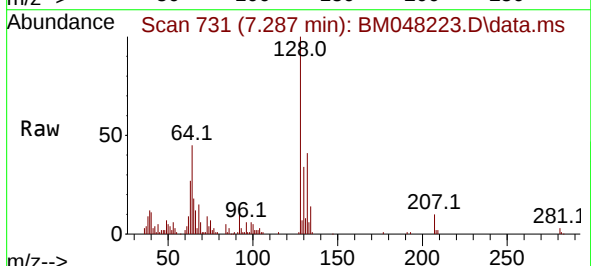
Manual Integrations
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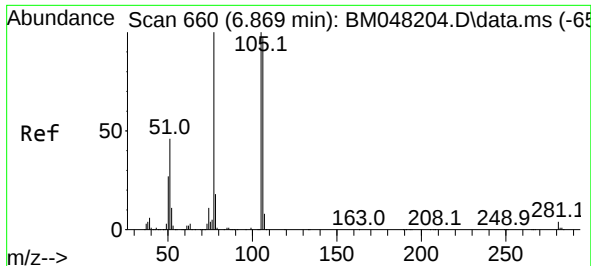
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#8
2-Chlorophenol
Concen: 3.664 ng
RT: 7.287 min Scan# 731
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

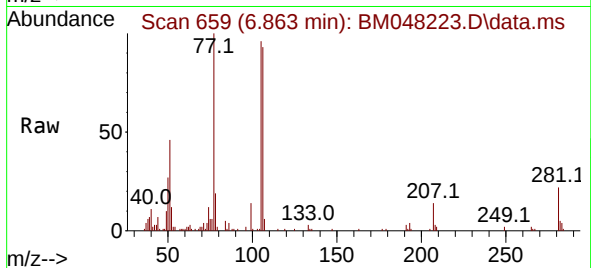
Tgt Ion:128 Resp: 56901
Ion Ratio Lower Upper
128 100
130 33.6 12.1 52.1
64 45.1 23.8 63.8





#9
Benzaldehyde
Concen: 5.397 ng m
RT: 6.863 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM048223.D
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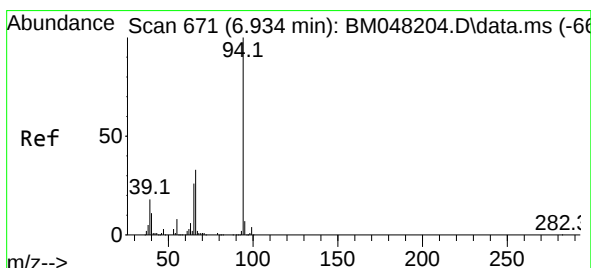
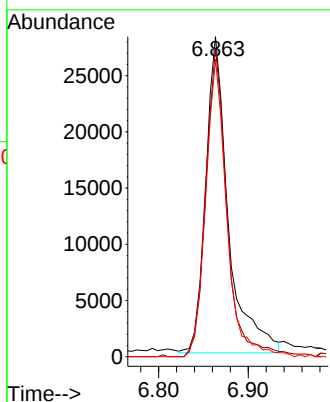
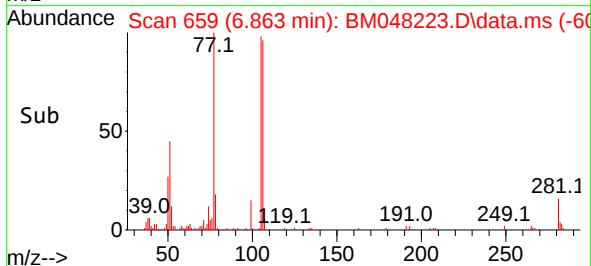
Instrument :
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Tgt Ion: 77 Resp: 49360
Ion Ratio Lower Upper
77 100
105 96.4 79.6 119.6
106 92.9 77.0 117.0

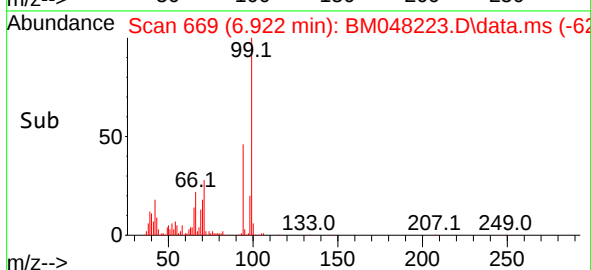
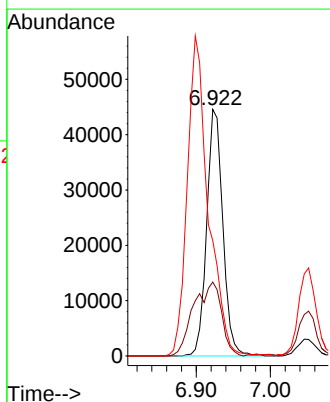
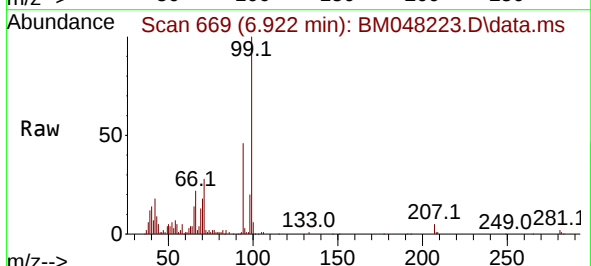
Manual Integrations
APPROVED

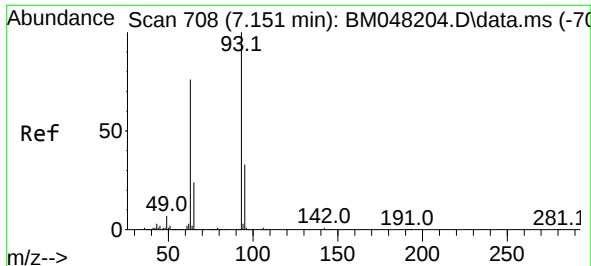
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#10
Phenol
Concen: 3.622 ng
RT: 6.922 min Scan# 669
Delta R.T. -0.011 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

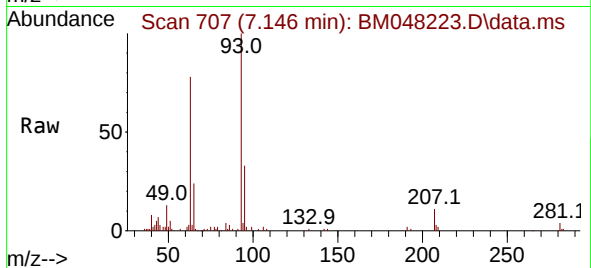
Tgt Ion: 94 Resp: 67832
Ion Ratio Lower Upper
94 100
65 30.0 6.5 46.5
66 46.8 13.6 53.6





#11
bis(2-Chloroethyl)ether
Concen: 3.496 ng
RT: 7.146 min Scan# 708
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

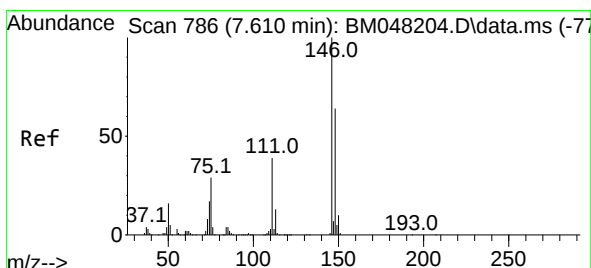
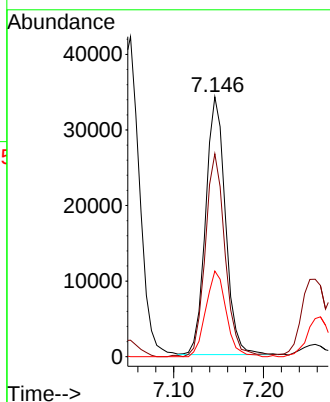
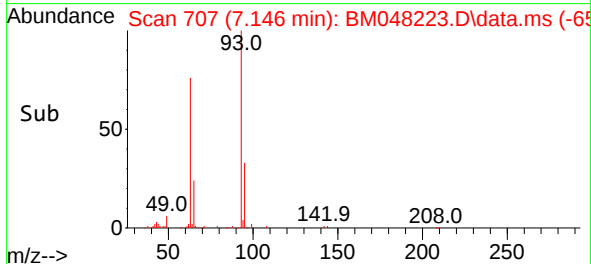
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion: 93 Resp: 5215
Ion Ratio Lower Upper
93 100
63 78.1 55.3 95.3
95 32.9 12.4 52.4

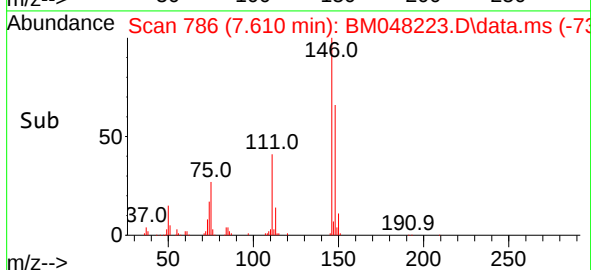
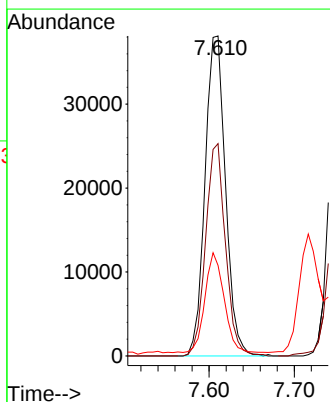
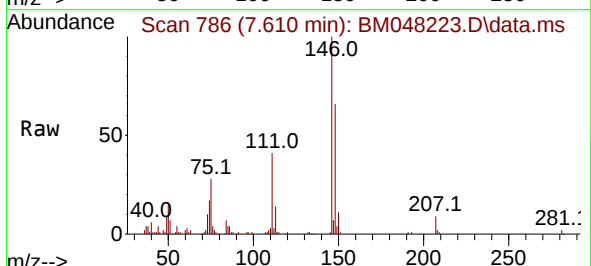
Manual Integrations
APPROVED

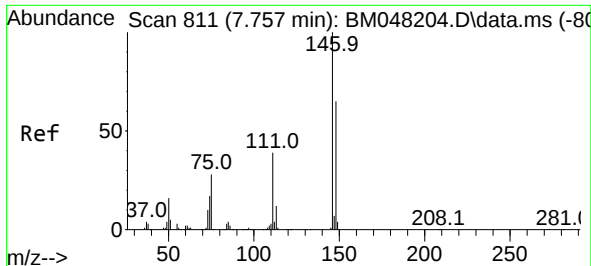
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#12
1,3-Dichlorobenzene
Concen: 3.548 ng
RT: 7.610 min Scan# 786
Delta R.T. 0.000 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

Tgt Ion:146 Resp: 63527
Ion Ratio Lower Upper
146 100
148 66.3 51.0 76.6
75 28.3 22.9 34.3





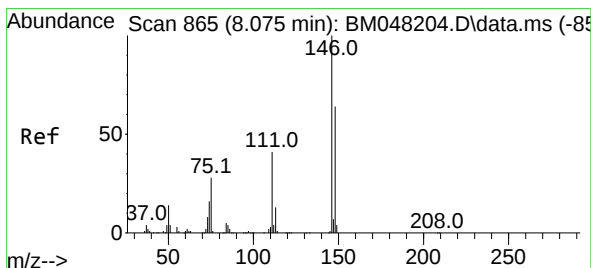
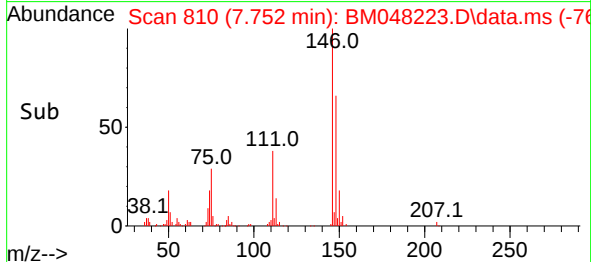
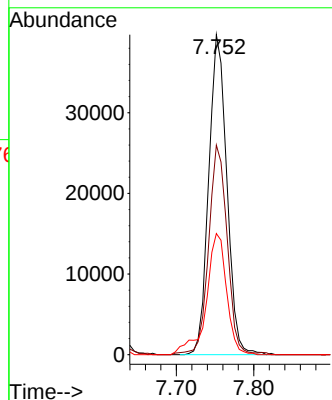
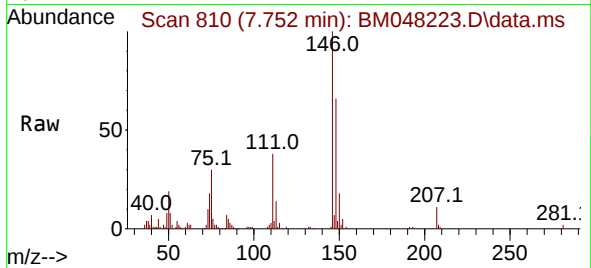
#13
1,4-Dichlorobenzene
Concen: 3.540 ng
RT: 7.752 min Scan# 811
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:146 Resp: 64389
Ion Ratio Lower Upper
146 100
148 65.5 51.7 77.5
111 37.8 31.4 47.2

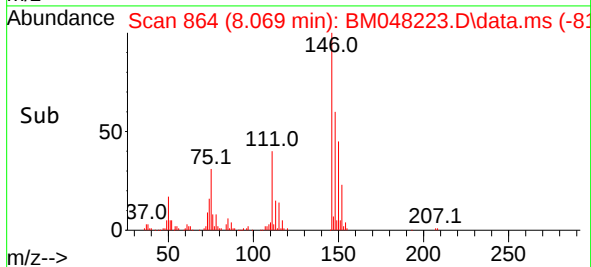
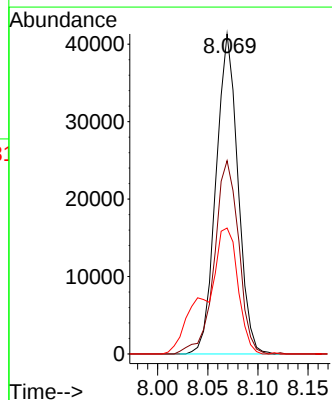
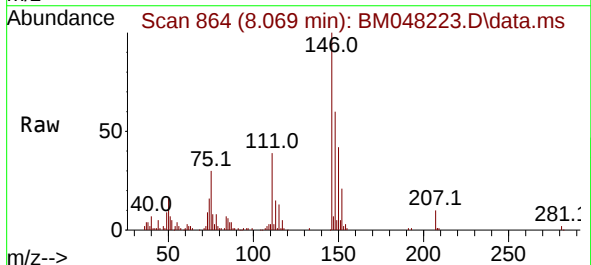
Manual Integrations
APPROVED

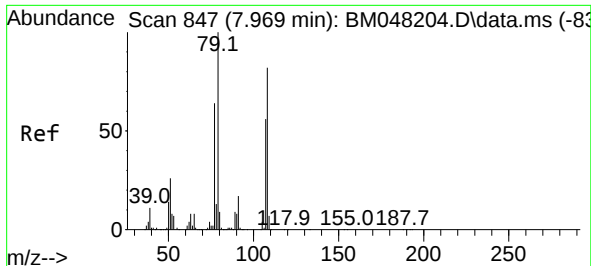
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#14
1,2-Dichlorobenzene
Concen: 3.565 ng
RT: 8.069 min Scan# 864
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

Tgt Ion:146 Resp: 62666
Ion Ratio Lower Upper
146 100
148 60.4 51.3 76.9
111 39.3 32.7 49.1





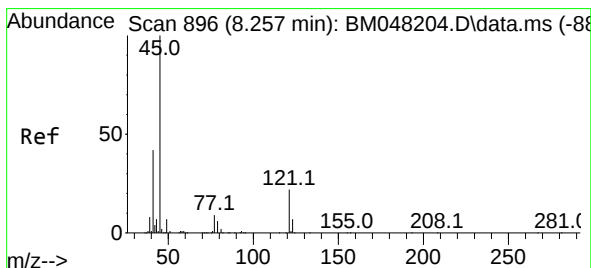
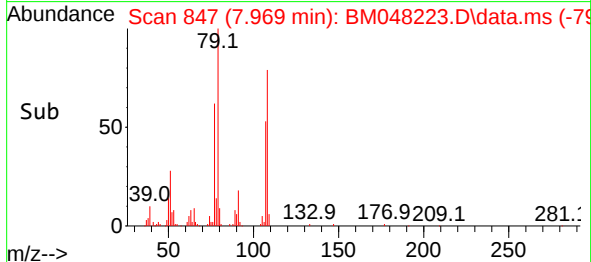
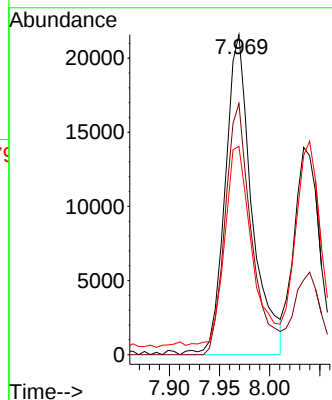
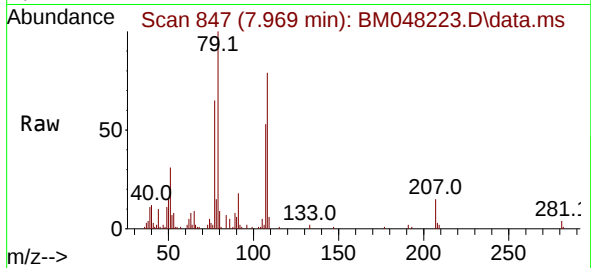
#15
Benzyl Alcohol
Concen: 3.374 ng
RT: 7.969 min Scan# 847
Delta R.T. 0.000 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion: 79 Resp: 4006
Ion Ratio Lower Upper
79 100
108 78.5 65.2 97.8
77 65.1 51.4 77.2

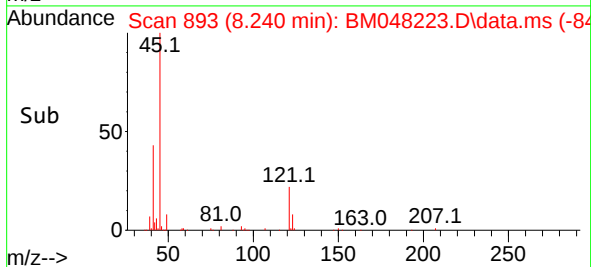
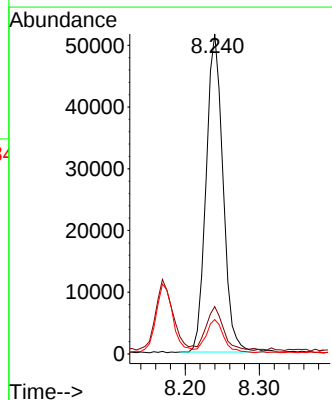
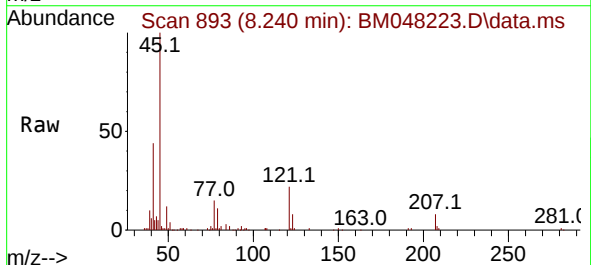
Manual Integrations
APPROVED

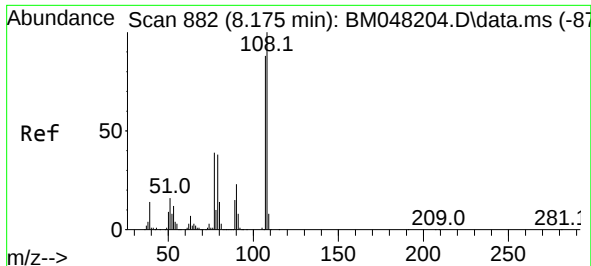
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.747 ng
RT: 8.240 min Scan# 893
Delta R.T. -0.017 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

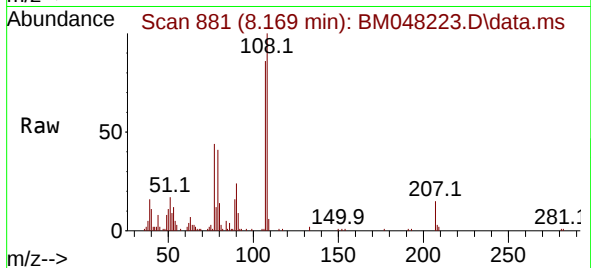
Tgt Ion: 45 Resp: 81753
Ion Ratio Lower Upper
45 100
77 14.8 0.0 34.2
79 10.8 0.0 30.7





#17
2-Methylphenol
Concen: 3.248 ng
RT: 8.169 min Scan# 81
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

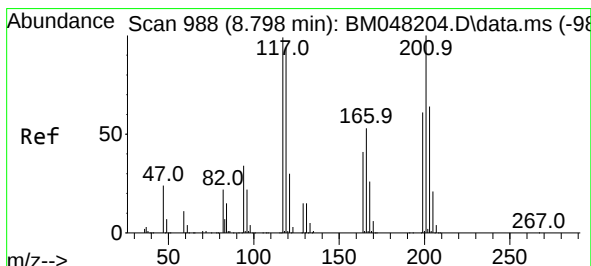
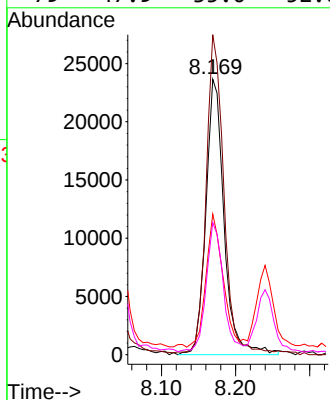
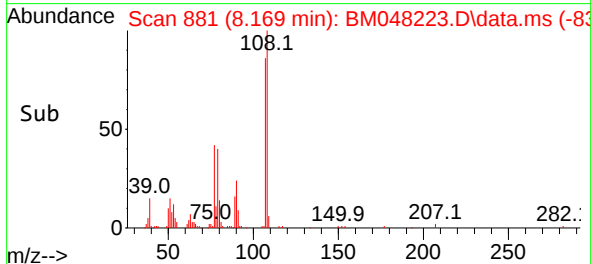
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:	107	Resp:	4042
Ion Ratio	Lower	Upper	
107	100		
108	116.1	91.3	136.9
77	51.0	36.2	54.2
79	47.9	35.0	52.6

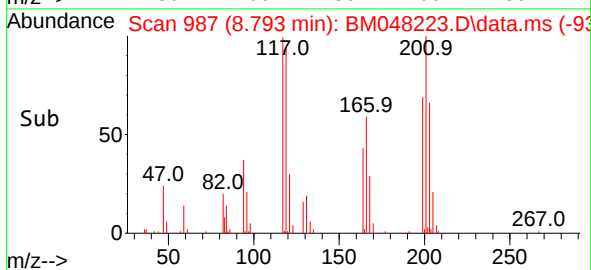
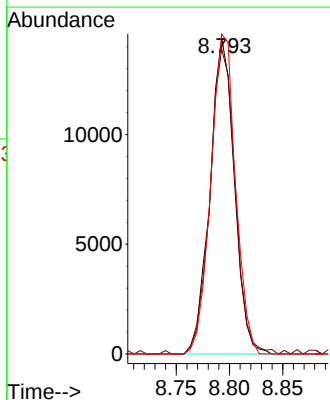
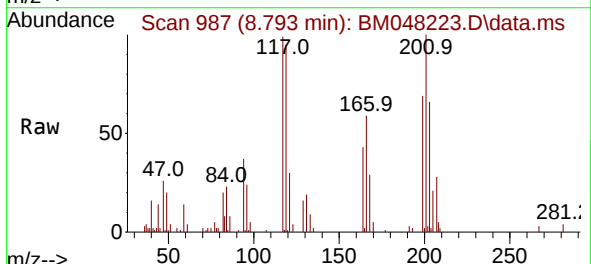
Manual Integrations
APPROVED

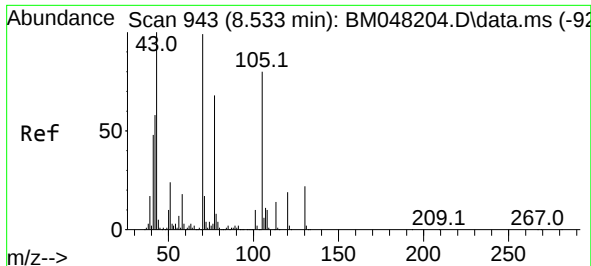
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#18
Hexachloroethane
Concen: 3.428 ng
RT: 8.793 min Scan# 987
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

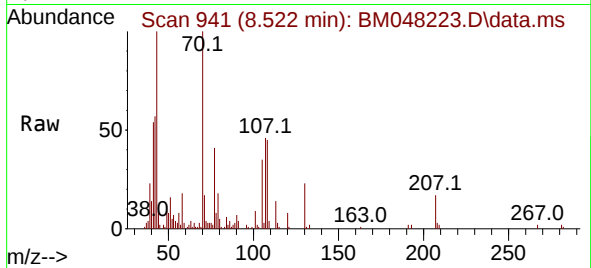
Tgt Ion:	117	Resp:	22853
Ion Ratio	Lower	Upper	
117	100		
119	96.4	76.5	114.7
201	101.2	80.9	121.3





#19
n-Nitroso-di-n-propylamine
Concen: 3.371 ng
RT: 8.522 min Scan# 941
Delta R.T. -0.011 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

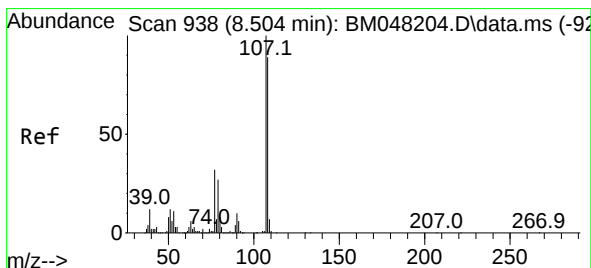
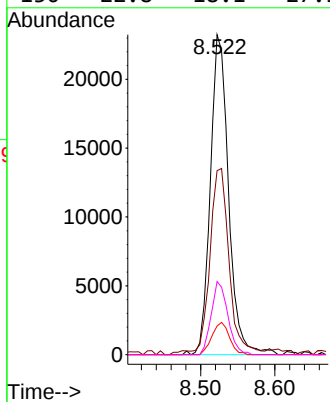
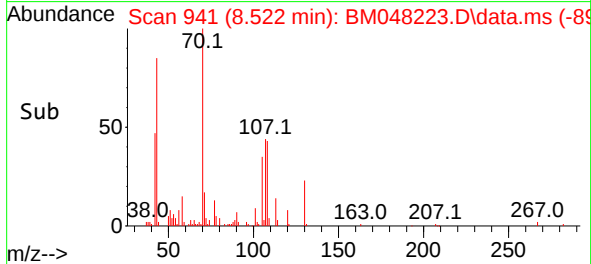
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion: 70 Resp: 39700
Ion Ratio Lower Upper
70 100
42 57.5 47.0 70.6
101 9.0 7.8 11.6
130 22.8 18.1 27.1

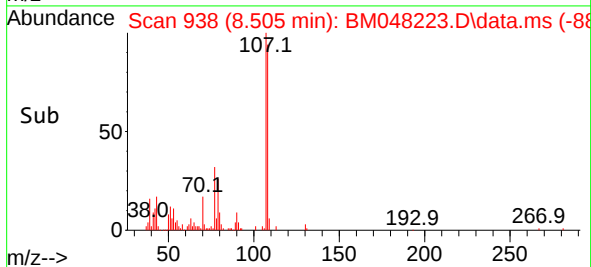
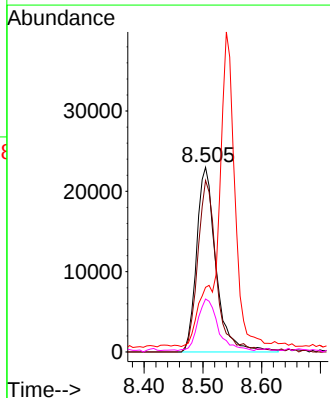
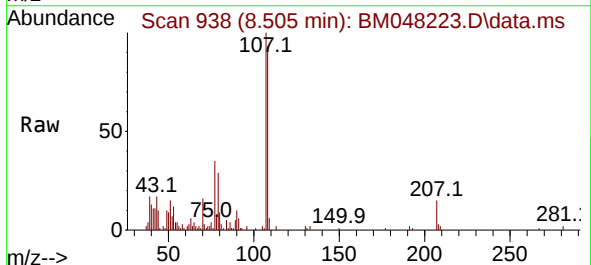
Manual Integrations
APPROVED

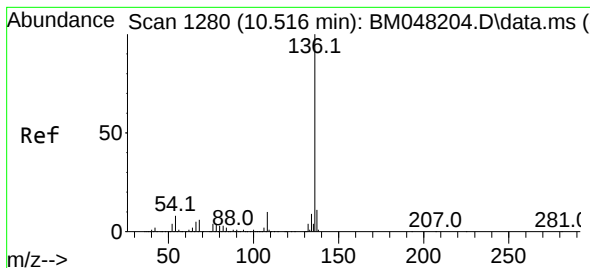
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#20
3+4-Methylphenols
Concen: 3.060 ng
RT: 8.505 min Scan# 938
Delta R.T. 0.000 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

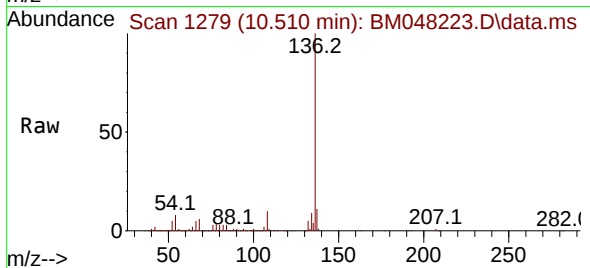
Tgt Ion:107 Resp: 52753
Ion Ratio Lower Upper
107 100
108 92.9 69.0 109.0
77 35.0 12.3 52.3
79 28.7 6.9 46.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.510 min Scan# 1280
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

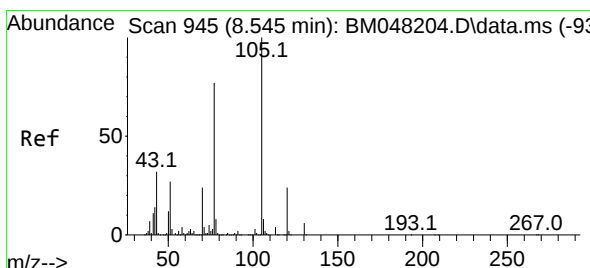
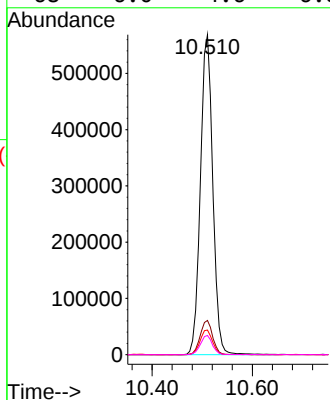
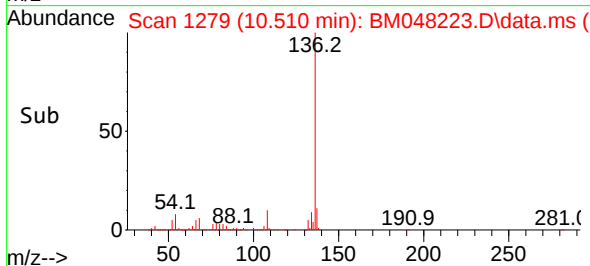
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:136 Resp: 97383
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.7 6.5 9.7
68 6.0 4.6 6.8

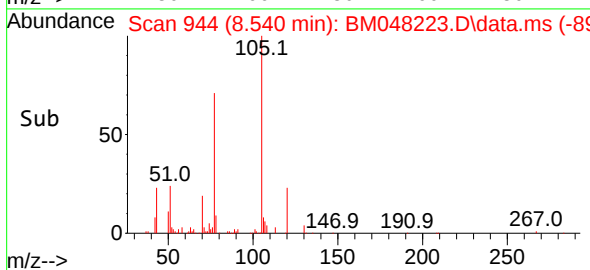
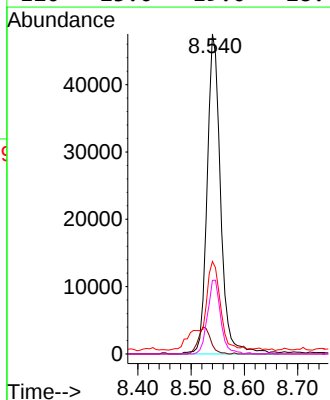
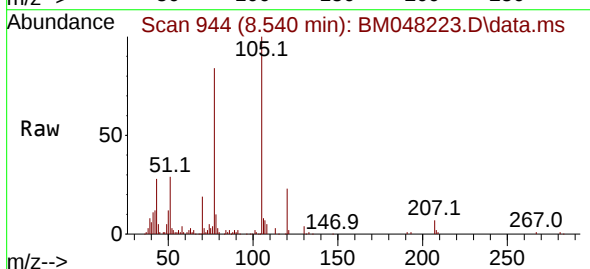
Manual Integrations
APPROVED

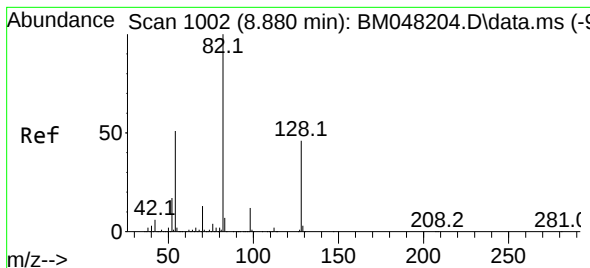
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#22
Acetophenone
Concen: 3.514 ng
RT: 8.540 min Scan# 944
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

Tgt Ion:105 Resp: 83521
Ion Ratio Lower Upper
105 100
71 2.8 3.4 5.0#
51 28.9 21.7 32.5
120 23.0 19.0 28.4





#23

Nitrobenzene-d5

Concen: 74.457 ng

RT: 8.875 min Scan# 1001

Delta R.T. -0.005 min

Lab File: BM048223.D

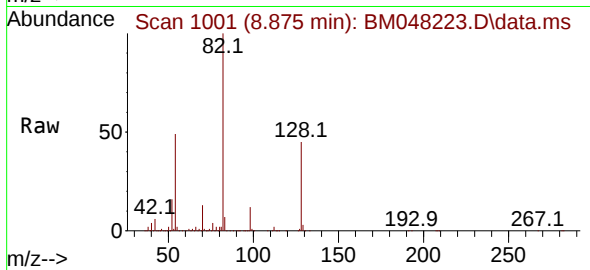
Acq: 24 Oct 2024 19:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024



Tgt Ion: 82 Resp: 128418

Ion Ratio Lower Upper

82 100

128 45.1 36.6 54.8

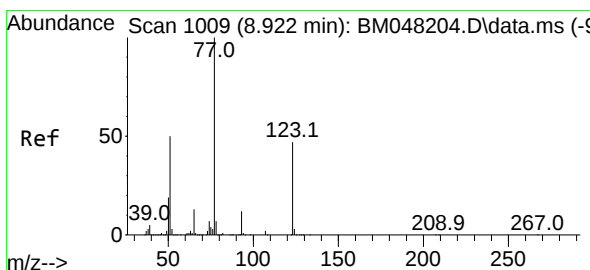
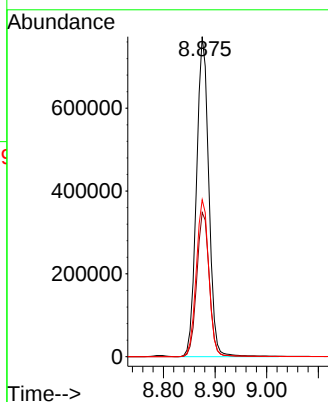
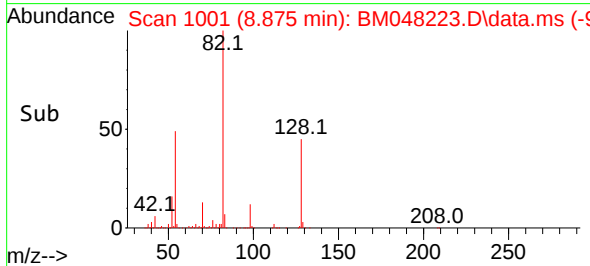
54 49.1 41.0 61.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#24

Nitrobenzene

Concen: 3.627 ng

RT: 8.916 min Scan# 1008

Delta R.T. -0.005 min

Lab File: BM048223.D

Acq: 24 Oct 2024 19:07

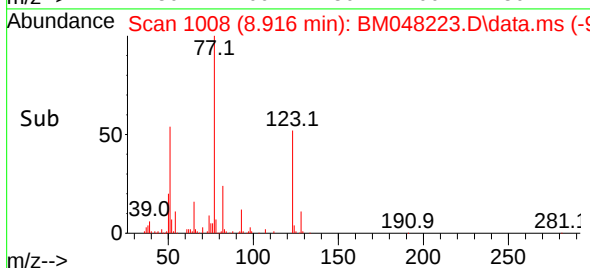
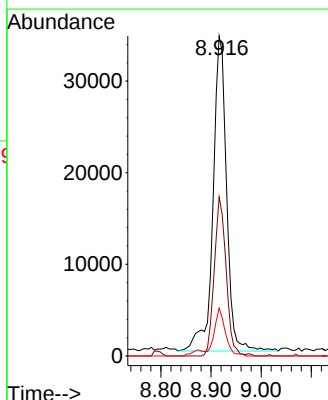
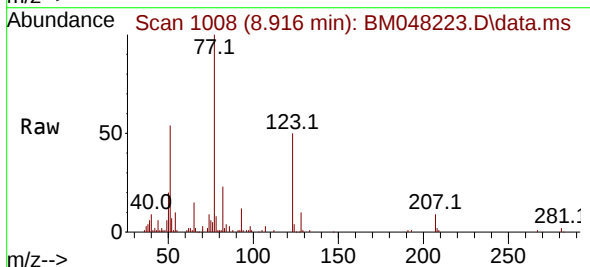
Tgt Ion: 77 Resp: 64824

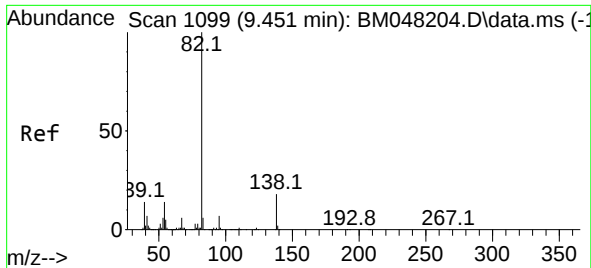
Ion Ratio Lower Upper

77 100

123 49.7 37.8 56.6

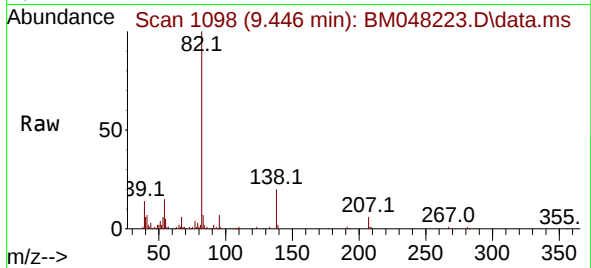
65 15.0 10.4 15.6





#25
Isophorone
Concen: 3.304 ng
RT: 9.446 min Scan# 1099
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

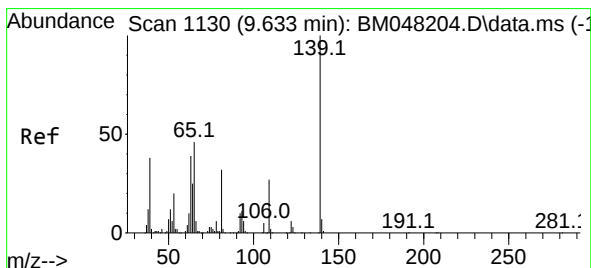
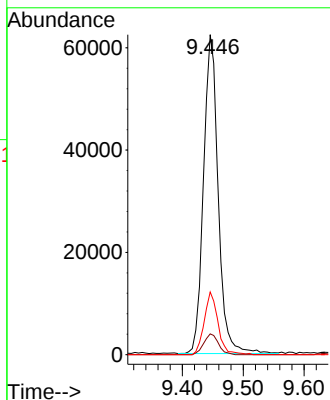
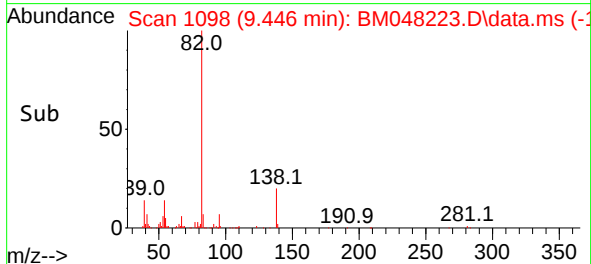
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



Tgt Ion: 82 Resp: 104462
Ion Ratio Lower Upper
82 100
95 6.5 5.3 7.9
138 19.6 14.3 21.5

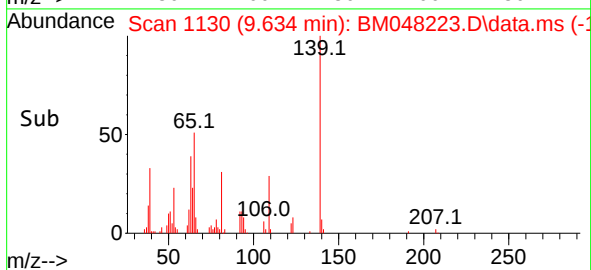
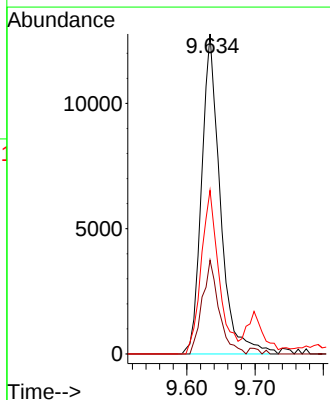
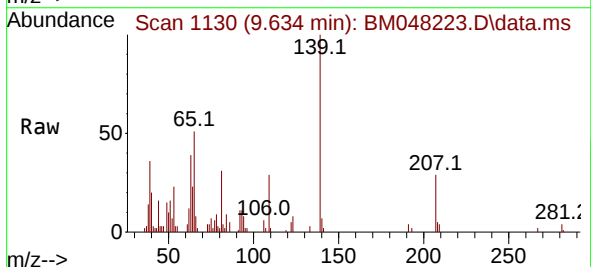
Manual Integrations
APPROVED

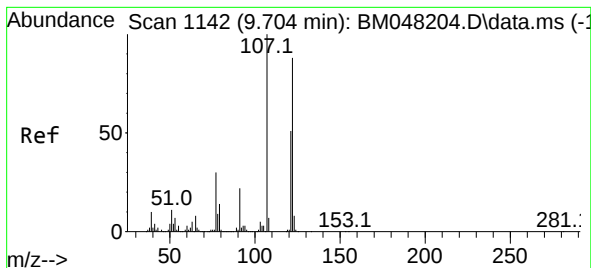
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#26
2-Nitrophenol
Concen: 2.947 ng
RT: 9.634 min Scan# 1130
Delta R.T. 0.000 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

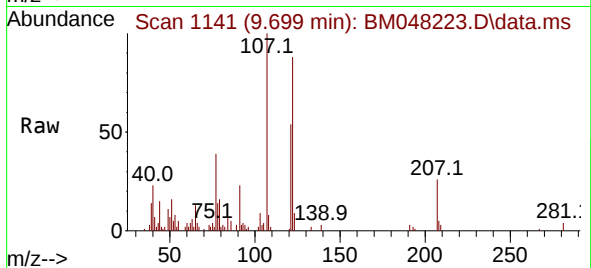
Tgt Ion:139 Resp: 24316
Ion Ratio Lower Upper
139 100
109 29.3 21.2 31.8
65 51.2 36.8 55.2





#27
2,4-Dimethylphenol
Concen: 2.242 ng
RT: 9.699 min Scan# 1141
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

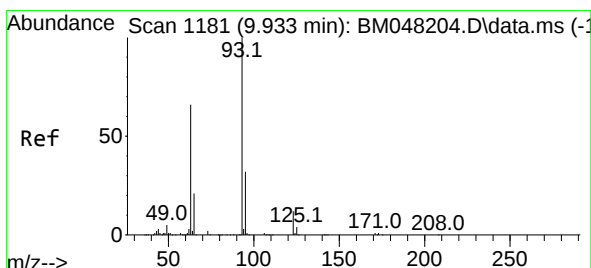
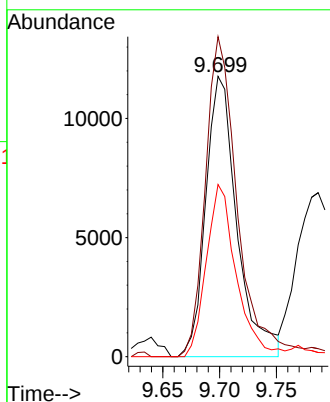
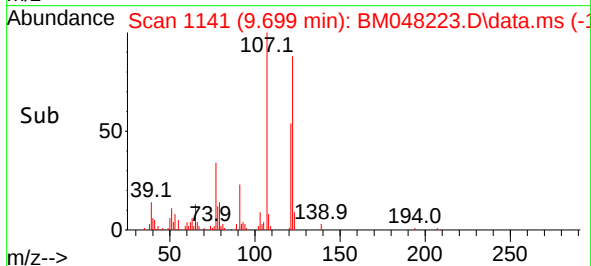
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:122 Resp: 2244
Ion Ratio Lower Upper
122 100
107 114.2 91.0 136.6
121 61.4 46.1 69.1

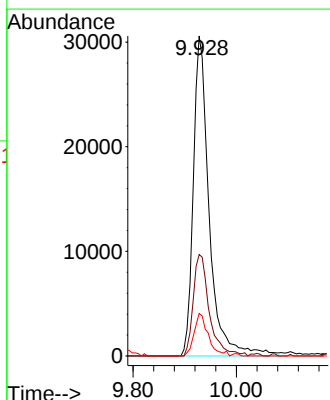
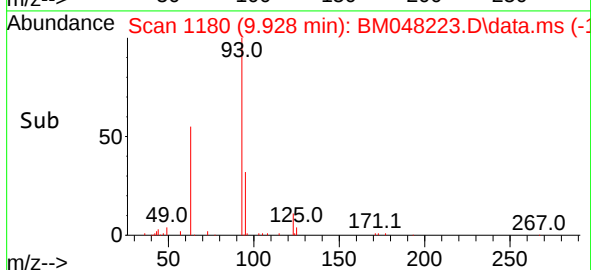
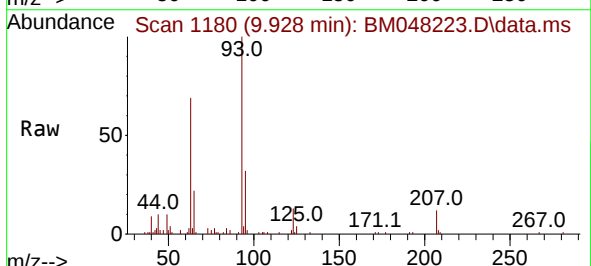
Manual Integrations
APPROVED

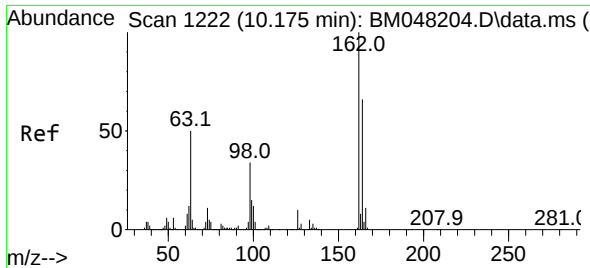
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#28
bis(2-Chloroethoxy)methane
Concen: 3.257 ng
RT: 9.928 min Scan# 1180
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

Tgt Ion: 93 Resp: 65148
Ion Ratio Lower Upper
93 100
95 31.7 25.3 37.9
123 13.3 9.8 14.6





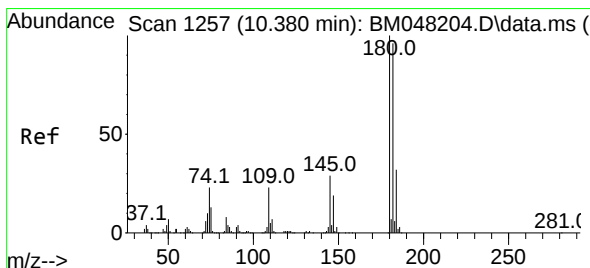
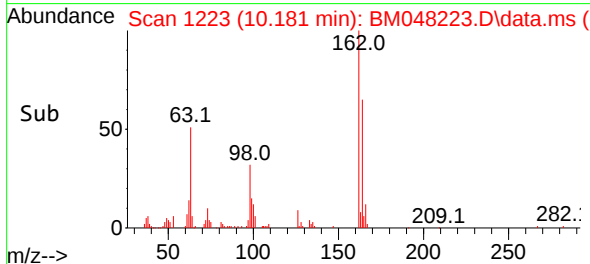
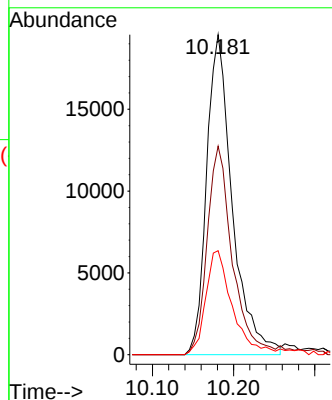
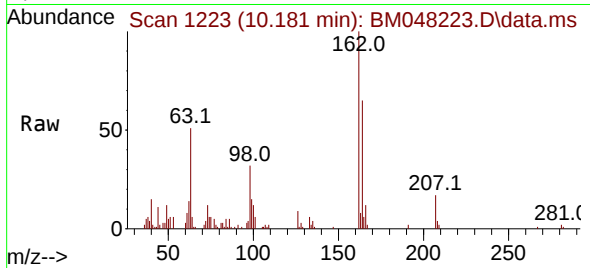
#29
2,4-Dichlorophenol
Concen: 2.983 ng
RT: 10.181 min Scan# 1222
Delta R.T. 0.006 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:162 Resp: 42960
Ion Ratio Lower Upper
162 100
164 65.2 46.0 86.0
98 32.5 14.4 54.4

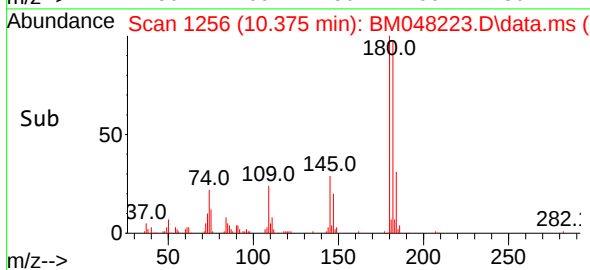
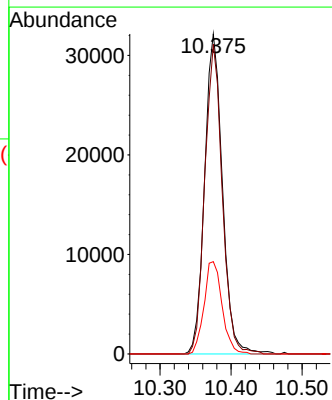
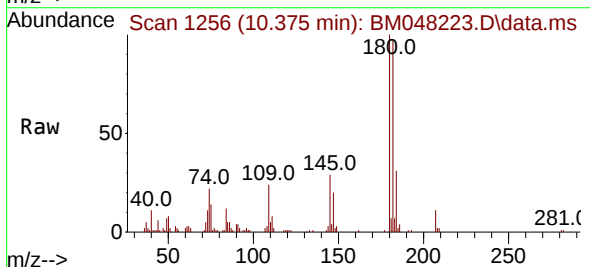
Manual Integrations
APPROVED

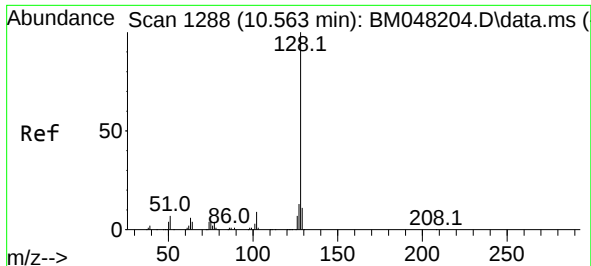
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#30
1,2,4-Trichlorobenzene
Concen: 3.407 ng
RT: 10.375 min Scan# 1256
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

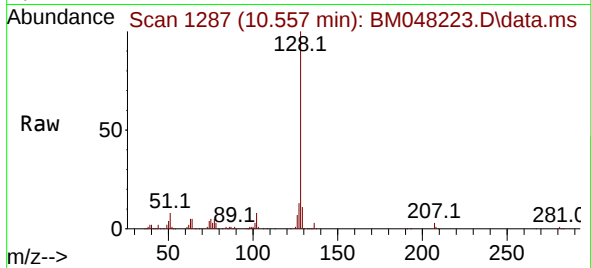
Tgt Ion:180 Resp: 56196
Ion Ratio Lower Upper
180 100
182 96.8 76.6 115.0
145 28.8 23.4 35.2





#31
Naphthalene
Concen: 3.418 ng
RT: 10.557 min Scan# 1156
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

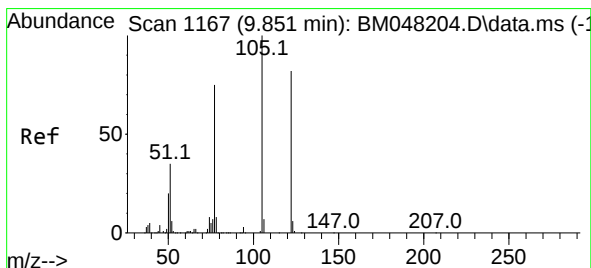
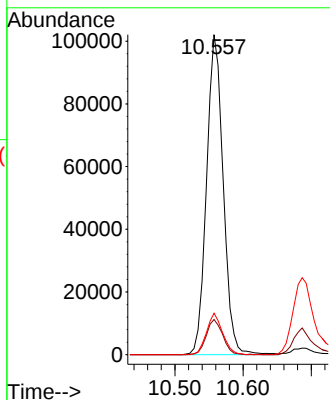
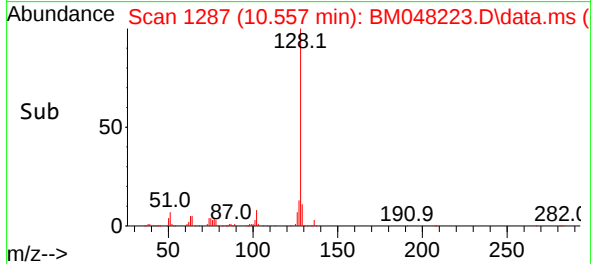
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:128 Resp: 17362
Ion Ratio Lower Upper
128 100
129 11.0 8.8 13.2
127 12.9 10.2 15.2

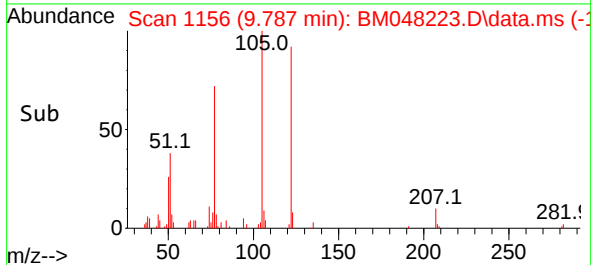
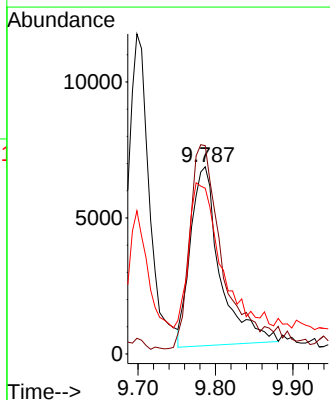
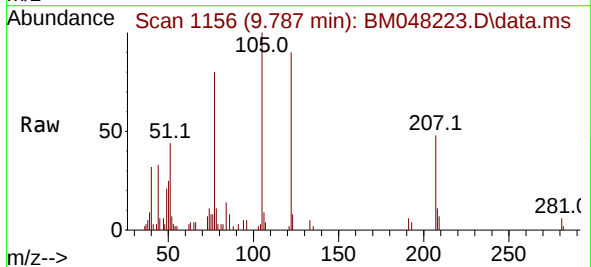
Manual Integrations
APPROVED

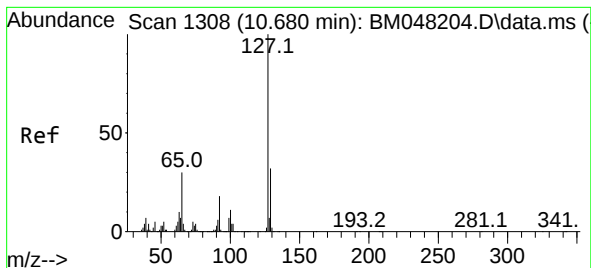
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#32
Benzoic acid
Concen: 1.560 ng
RT: 9.787 min Scan# 1156
Delta R.T. -0.064 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

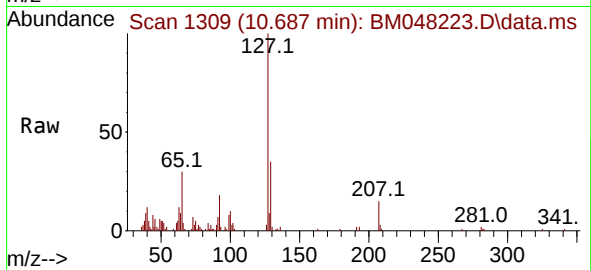
Tgt Ion:122 Resp: 17384
Ion Ratio Lower Upper
122 100
105 111.3 99.3 139.3
77 88.6 70.4 110.4





#33
4-Chloroaniline
Concen: 3.530 ng
RT: 10.687 min Scan# 1309
Delta R.T. 0.006 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

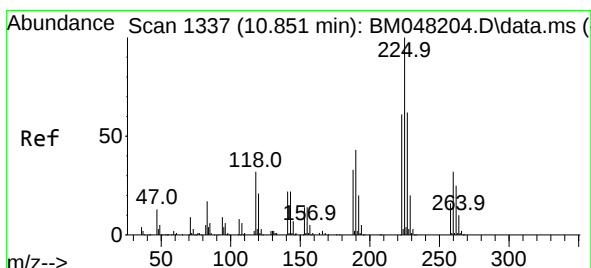
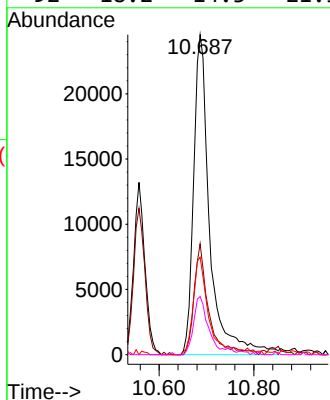
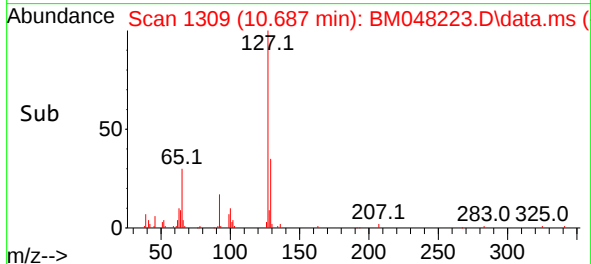
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



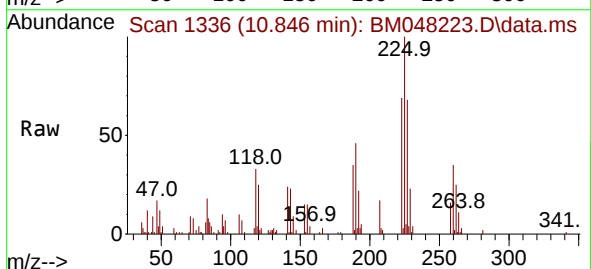
Tgt Ion:127 Resp: 5814
Ion Ratio Lower Upper
127 100
129 34.7 25.8 38.6
65 30.5 23.7 35.5
92 18.2 14.3 21.5

Manual Integrations
APPROVED

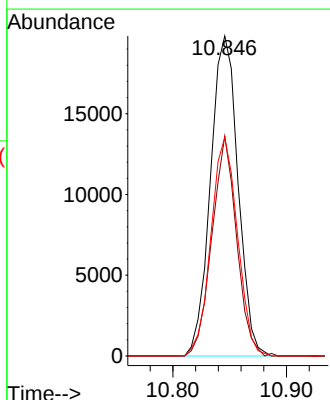
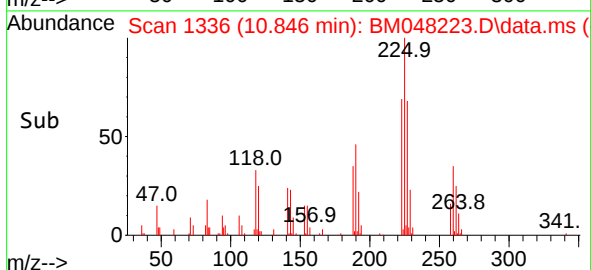
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

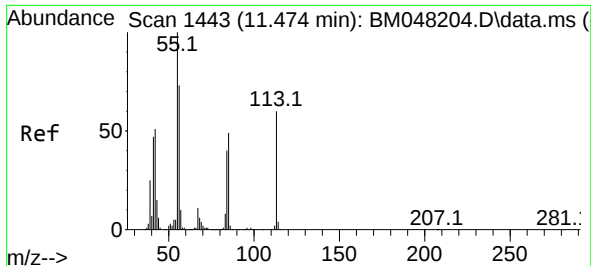


#34
Hexachlorobutadiene
Concen: 3.258 ng
RT: 10.846 min Scan# 1336
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07



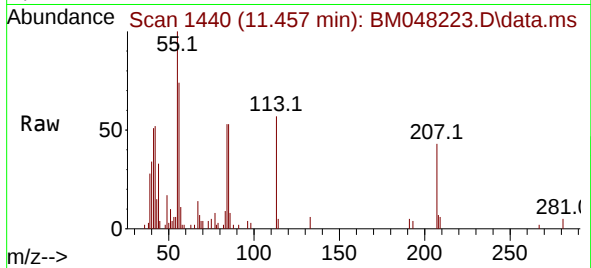
Tgt Ion:225 Resp: 33308
Ion Ratio Lower Upper
225 100
223 68.7 48.6 73.0
227 68.3 49.6 74.4





#35
Caprolactam
Concen: 2.579 ng
RT: 11.457 min Scan# 1443
Delta R.T. -0.017 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

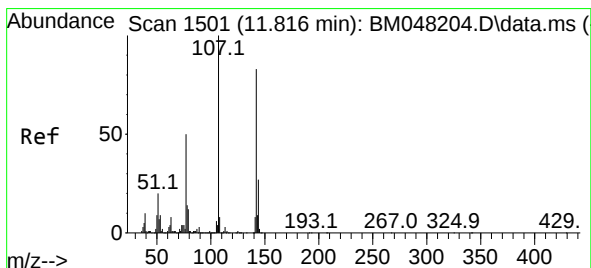
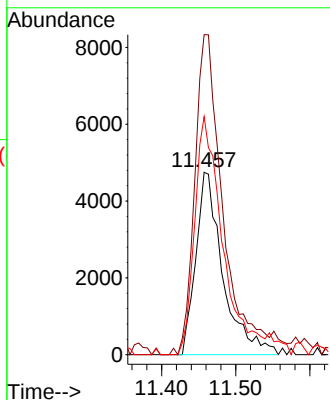
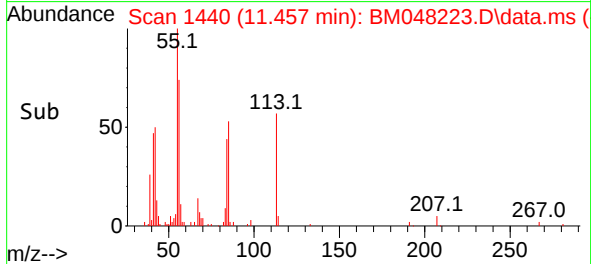
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



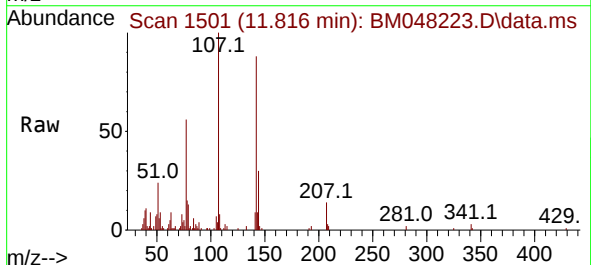
Tgt Ion:113 Resp: 1206
Ion Ratio Lower Upper
113 100
55 175.4 146.1 186.1
56 130.5 101.9 141.9

Manual Integrations
APPROVED

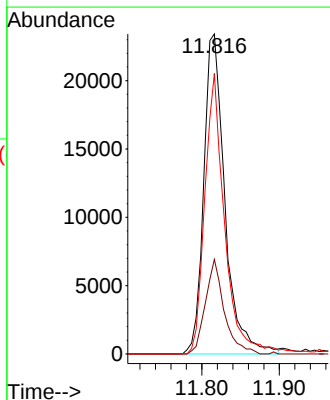
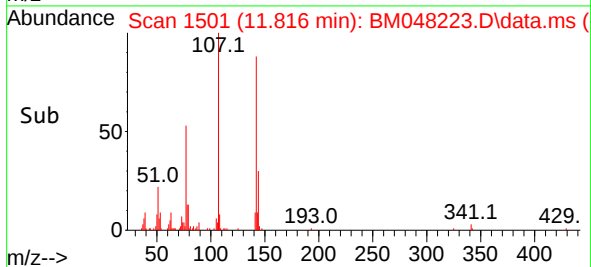
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

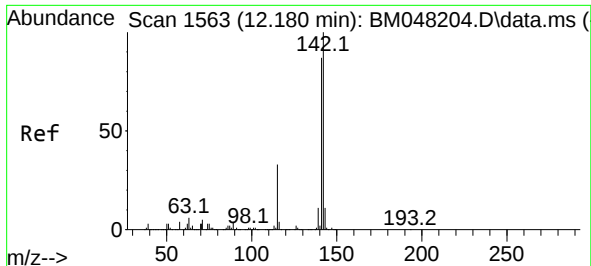


#36
4-Chloro-3-methylphenol
Concen: 2.958 ng
RT: 11.816 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07



Tgt Ion:107 Resp: 44469
Ion Ratio Lower Upper
107 100
144 29.6 21.5 32.3
142 87.7 66.8 100.2





#37

2-Methylnaphthalene

Concen: 3.322 ng

RT: 12.181 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM048223.D

Acq: 24 Oct 2024 19:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

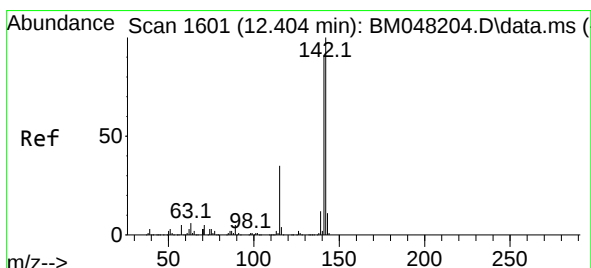
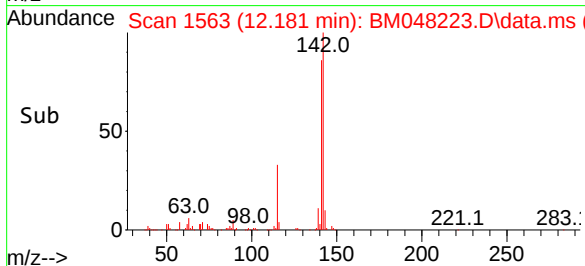
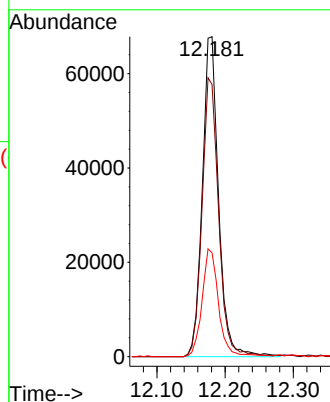
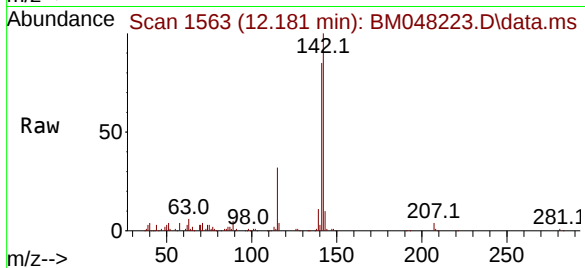
Tgt Ion:142	Resp:	11272
Ion Ratio	Lower	Upper
142	100	
141	85.0	69.8 104.6
115	32.4	26.3 39.5

Manual Integrations

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Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#38

1-Methylnaphthalene

Concen: 3.187 ng

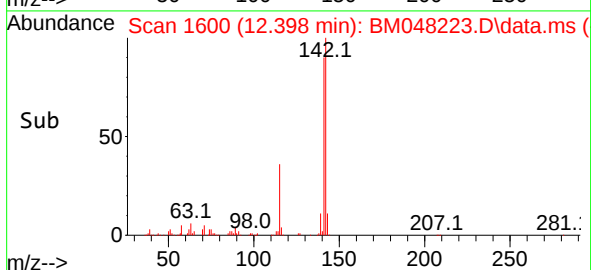
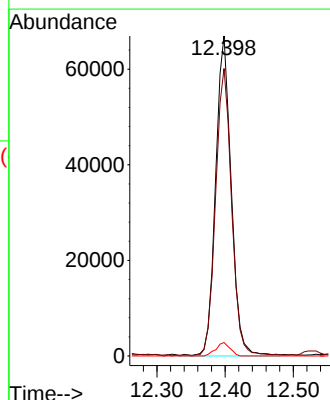
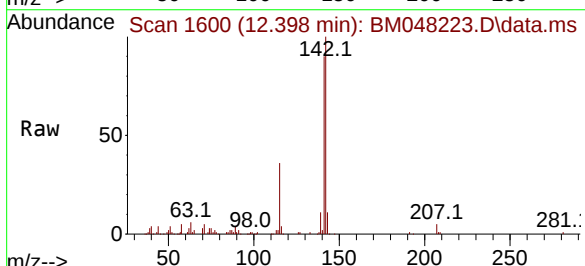
RT: 12.398 min Scan# 1600

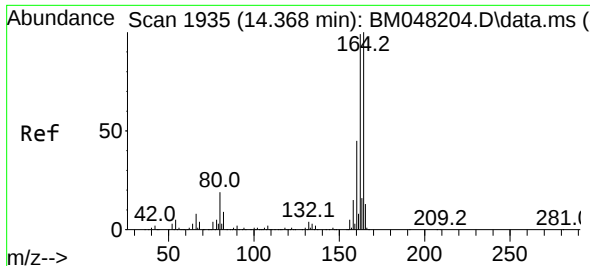
Delta R.T. -0.005 min

Lab File: BM048223.D

Acq: 24 Oct 2024 19:07

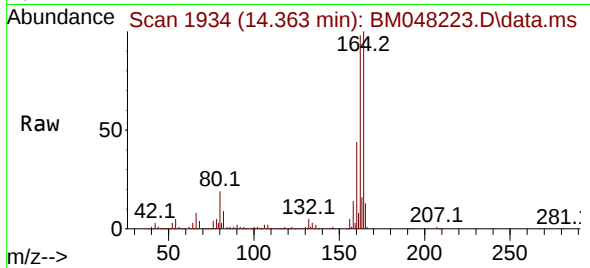
Tgt Ion:142	Resp:	107236
Ion Ratio	Lower	Upper
142	100	
141	89.9	72.7 109.1
116	4.2	2.9 4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1934
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

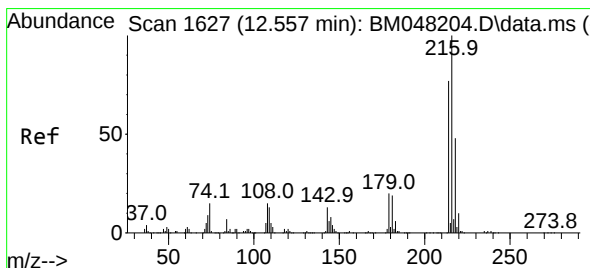
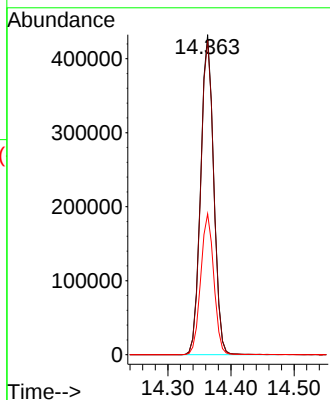
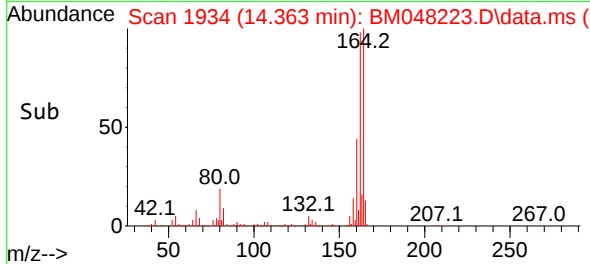
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



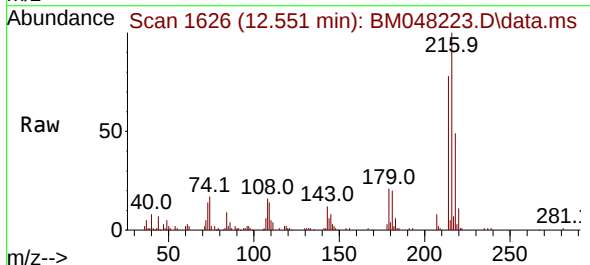
Tgt Ion:164 Resp: 61808
Ion Ratio Lower Upper
164 100
162 98.2 79.1 118.7
160 44.0 35.8 53.8

Manual Integrations
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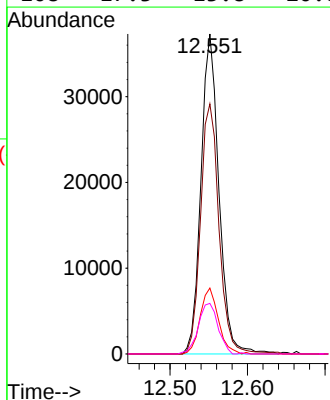
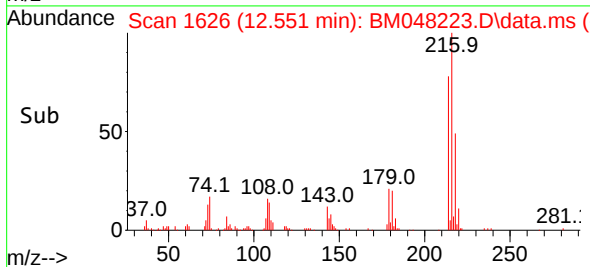
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

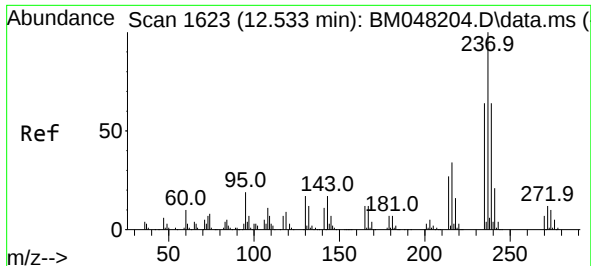


#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.406 ng
RT: 12.551 min Scan# 1626
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07



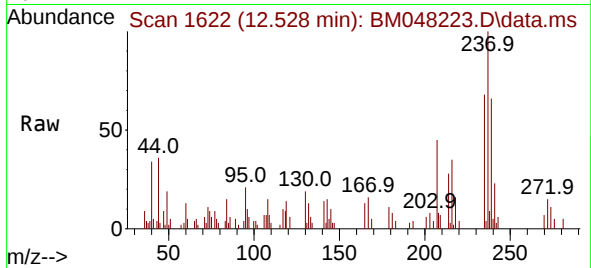
Tgt Ion:216 Resp: 60164
Ion Ratio Lower Upper
216 100
214 80.4 62.2 93.2
179 20.9 16.0 24.0
108 17.3 13.8 20.8





#41
Hexachlorocyclopentadiene
Concen: 1.929 ng
RT: 12.528 min Scan# 1622
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

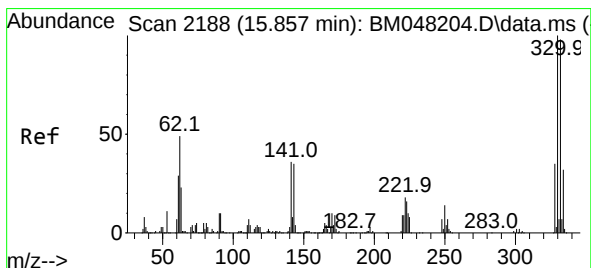
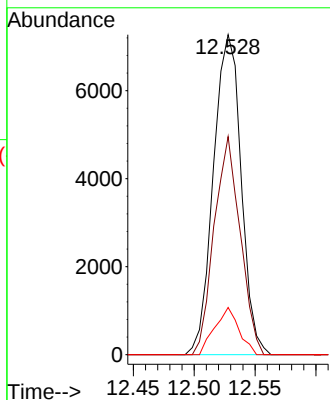
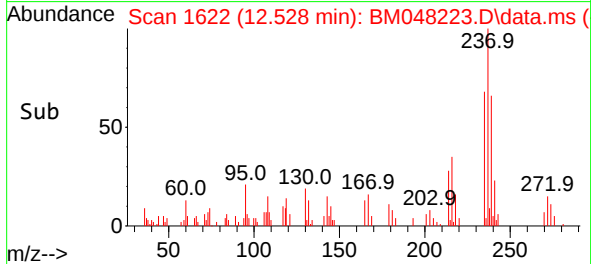
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:237 Resp: 1153
Ion Ratio Lower Upper
237 100
235 68.2 44.2 84.2
272 14.7 0.0 32.4

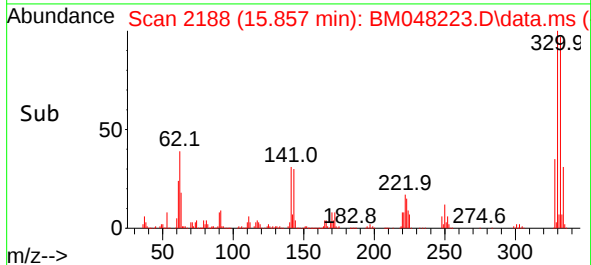
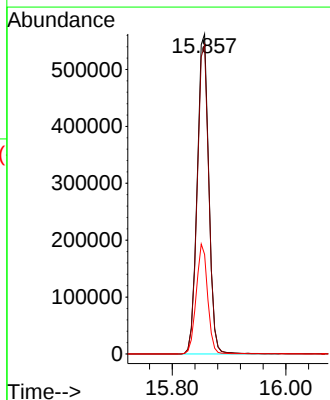
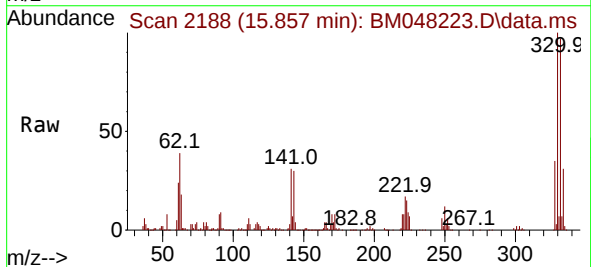
Manual Integrations
APPROVED

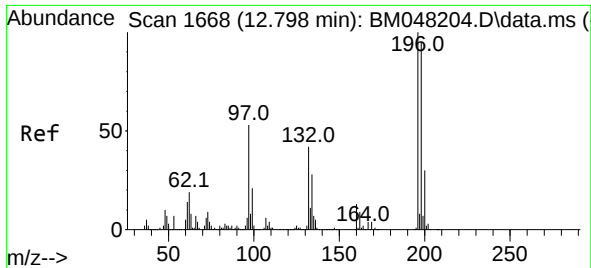
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#42
2,4,6-Tribromophenol
Concen: 105.589 ng
RT: 15.857 min Scan# 2188
Delta R.T. 0.000 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

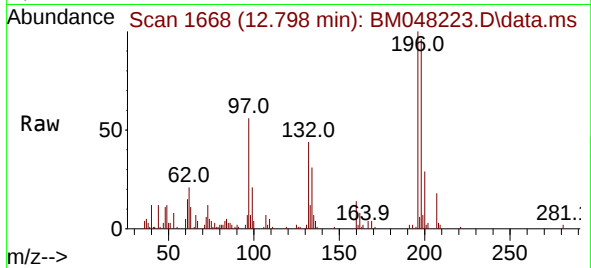
Tgt Ion:330 Resp: 798826
Ion Ratio Lower Upper
330 100
332 96.9 77.5 116.3
141 34.0 27.5 41.3





#43
2,4,6-Trichlorophenol
Concen: 2.945 ng
RT: 12.798 min Scan# 1668
Delta R.T. 0.000 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

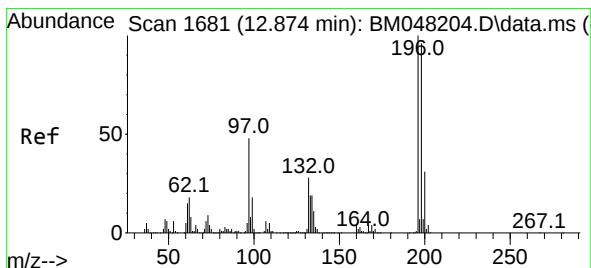
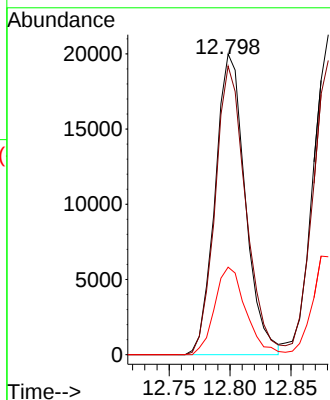
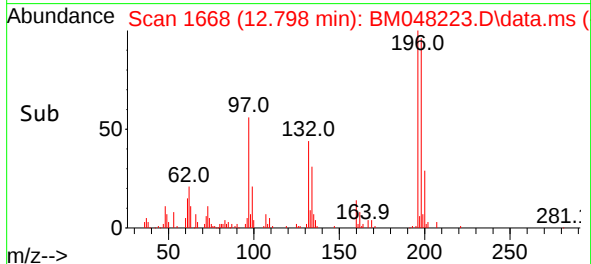
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



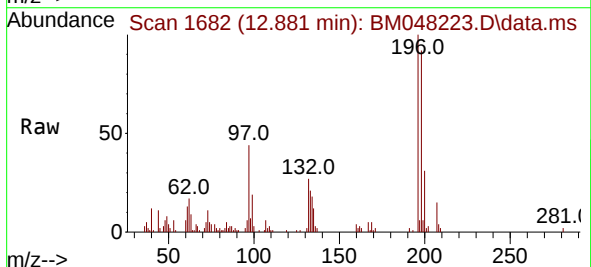
Tgt Ion:196 Resp: 34524
Ion Ratio Lower Upper
196 100
198 96.0 76.2 114.2
200 29.1 24.2 36.2

Manual Integrations
APPROVED

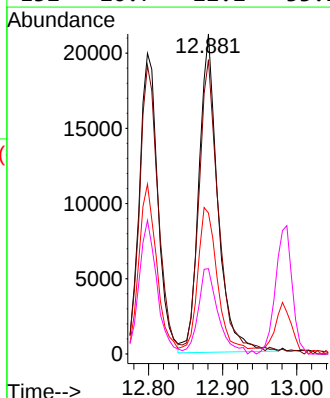
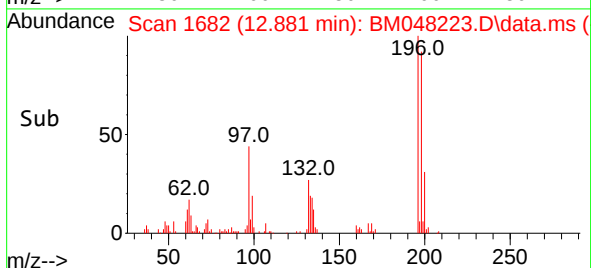
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

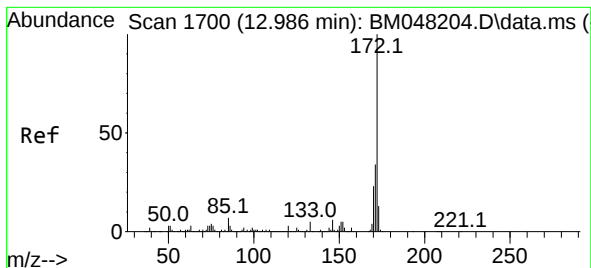


#44
2,4,5-Trichlorophenol
Concen: 2.869 ng
RT: 12.881 min Scan# 1682
Delta R.T. 0.006 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07



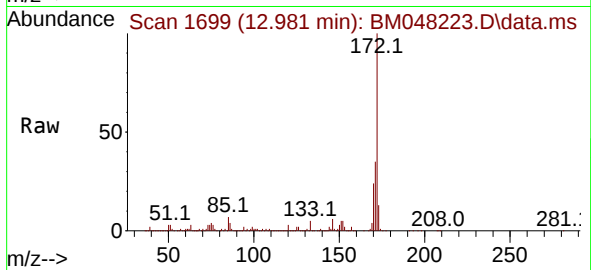
Tgt Ion:196 Resp: 37505
Ion Ratio Lower Upper
196 100
198 92.0 76.7 115.1
97 44.0 38.5 57.7
132 26.7 22.2 33.2





#45
2-Fluorobiphenyl
Concen: 71.480 ng
RT: 12.981 min Scan# 1700
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

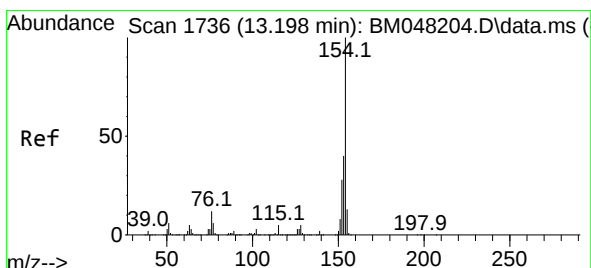
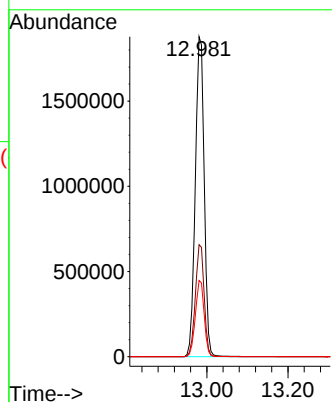
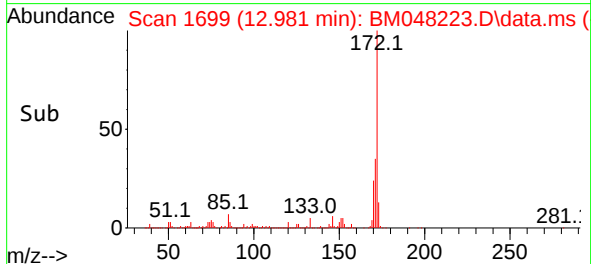
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:172 Resp: 2879172
Ion Ratio Lower Upper
172 100
171 35.0 27.4 41.0
170 23.8 18.5 27.7

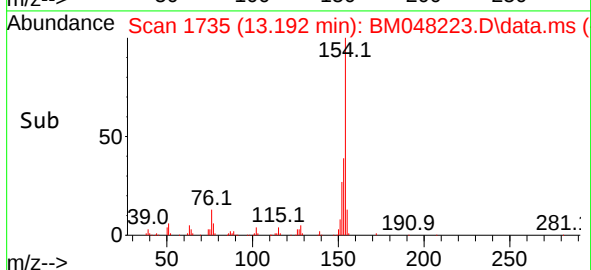
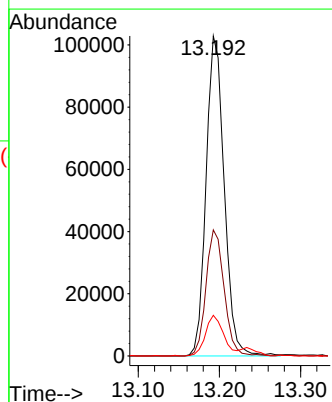
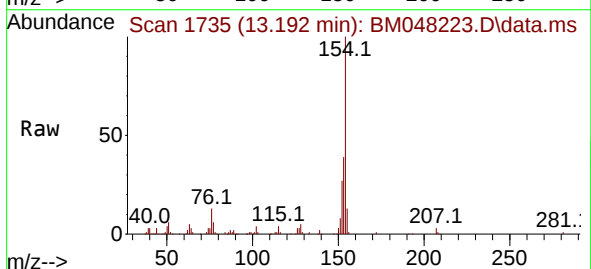
Manual Integrations
APPROVED

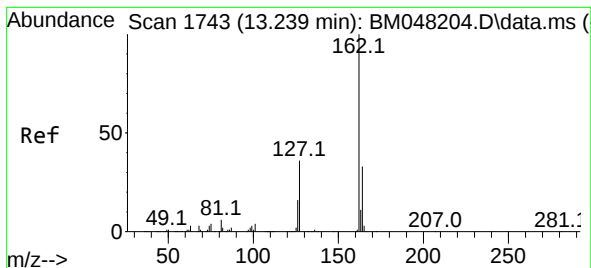
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#46
1,1'-Biphenyl
Concen: 3.612 ng
RT: 13.192 min Scan# 1735
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

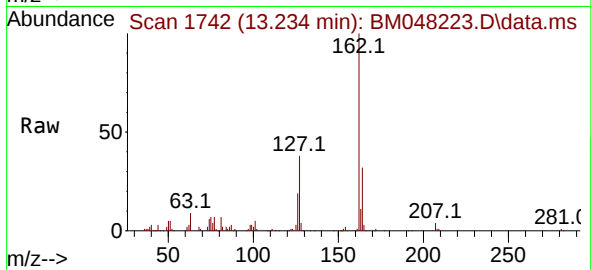
Tgt Ion:154 Resp: 159415
Ion Ratio Lower Upper
154 100
153 39.4 19.9 59.9
76 12.7 0.0 32.4





#47
2-Chloronaphthalene
Concen: 3.354 ng
RT: 13.234 min Scan# 1743
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

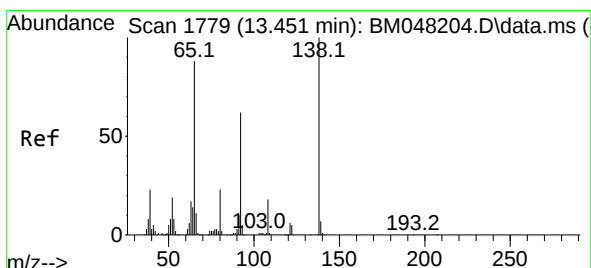
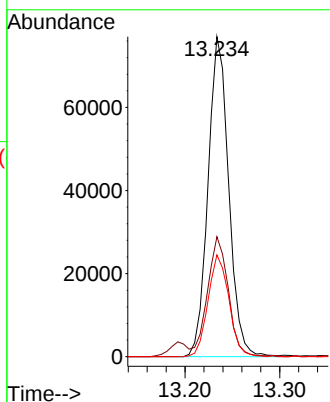
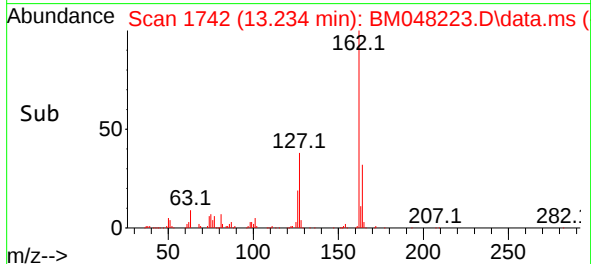
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:162 Resp: 116714
Ion Ratio Lower Upper
162 100
127 37.5 31.0 46.6
164 31.8 26.2 39.4

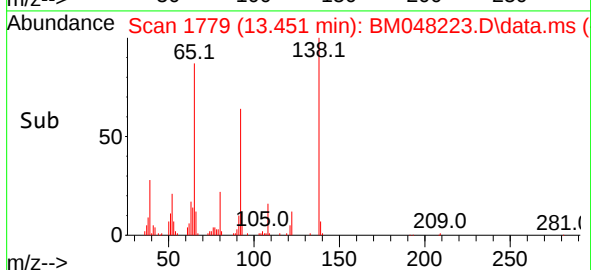
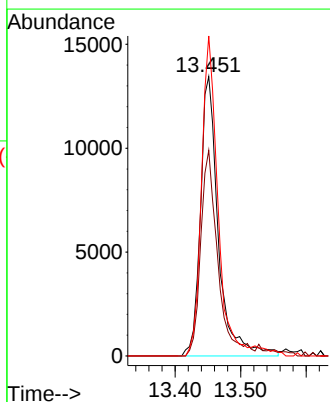
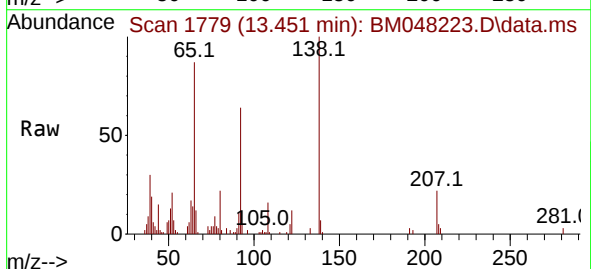
Manual Integrations
APPROVED

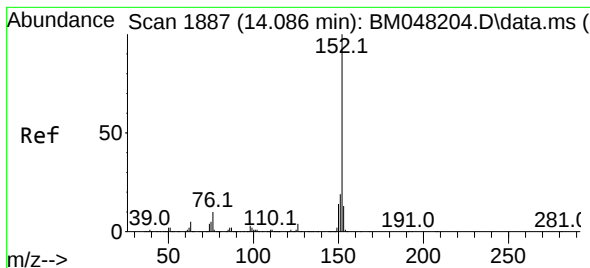
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#48
2-Nitroaniline
Concen: 2.712 ng
RT: 13.451 min Scan# 1779
Delta R.T. 0.000 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

Tgt Ion: 65 Resp: 25594
Ion Ratio Lower Upper
65 100
92 73.6 56.0 84.0
138 114.5 90.8 136.2





#49

Acenaphthylene

Concen: 3.528 ng

RT: 14.081 min Scan# 1886

Delta R.T. -0.005 min

Lab File: BM048223.D

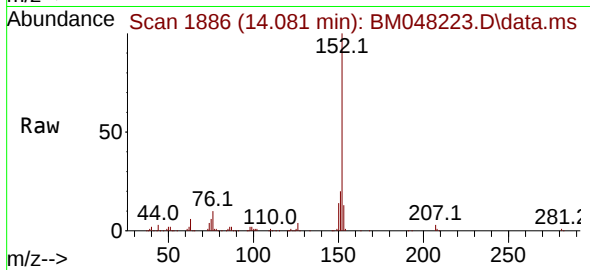
Acq: 24 Oct 2024 19:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024



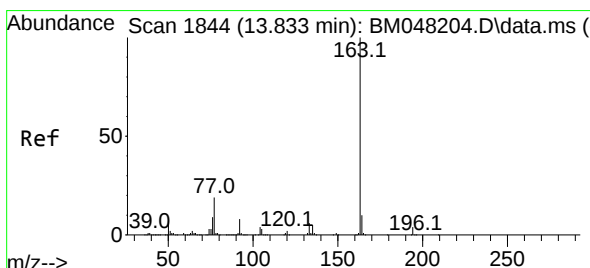
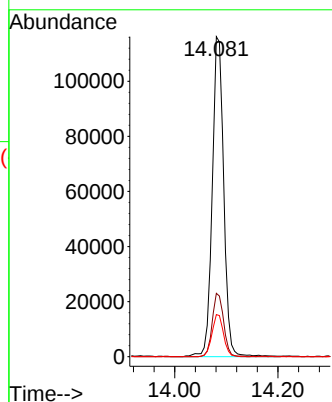
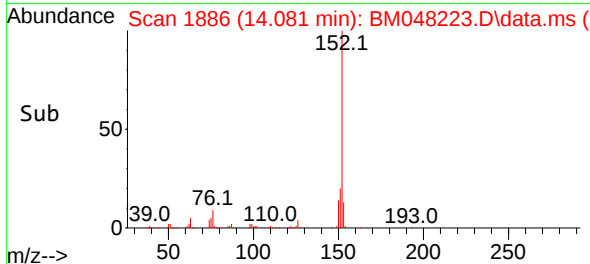
Tgt Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.4	23.2
153	13.2	10.5	15.7

Manual Integrations

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Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#50

Dimethylphthalate

Concen: 3.296 ng

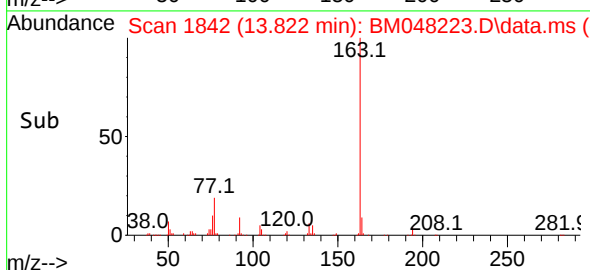
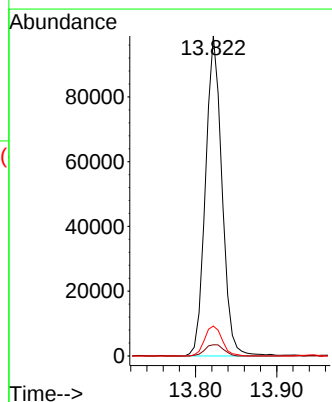
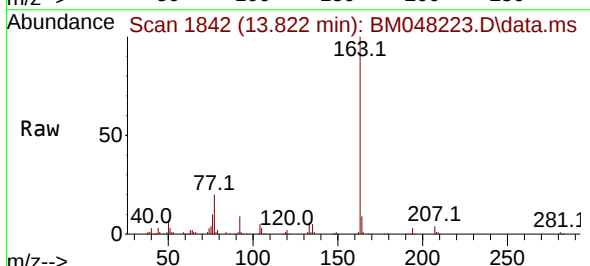
RT: 13.822 min Scan# 1842

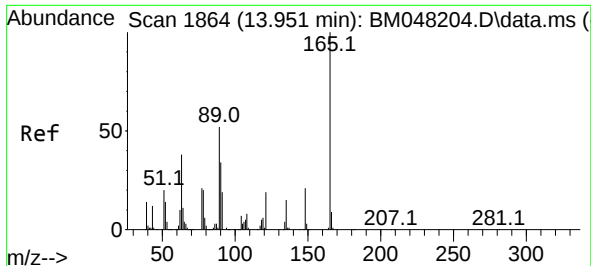
Delta R.T. -0.011 min

Lab File: BM048223.D

Acq: 24 Oct 2024 19:07

Tgt Ion	Ratio	Lower	Upper
163	100		
194	3.5	3.1	4.7
164	9.4	7.8	11.6





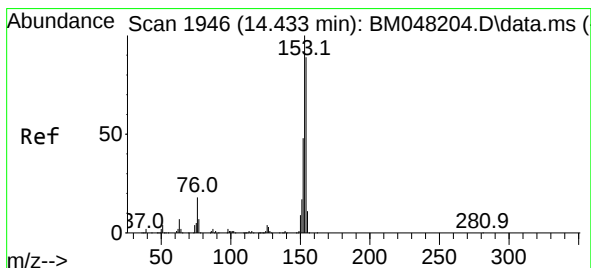
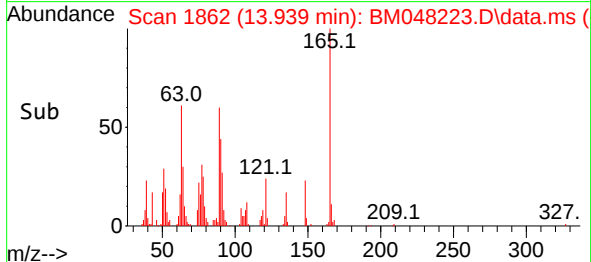
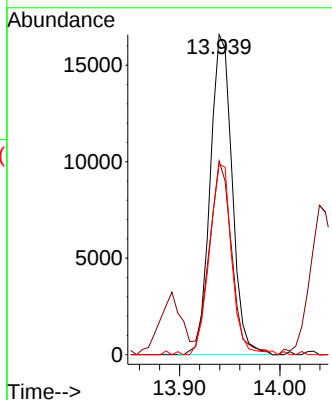
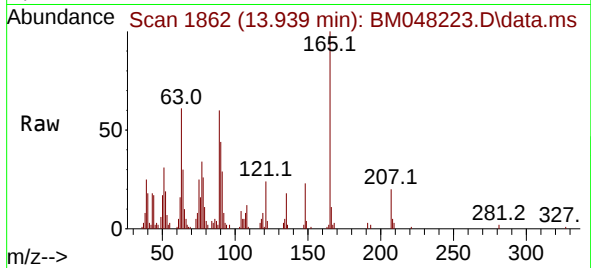
#51
2,6-Dinitrotoluene
Concen: 2.672 ng
RT: 13.939 min Scan# 1862
Delta R.T. -0.011 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:165 Resp: 2515
Ion Ratio Lower Upper
165 100
63 60.6 39.5 59.3
89 59.5 41.8 62.6

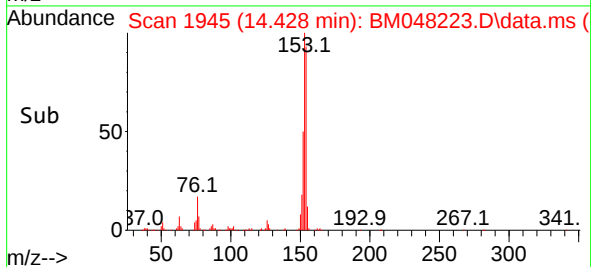
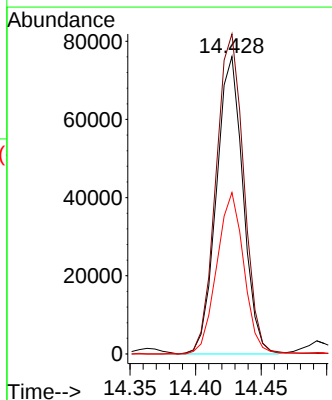
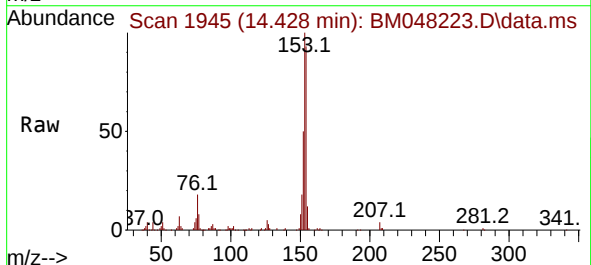
Manual Integrations
APPROVED

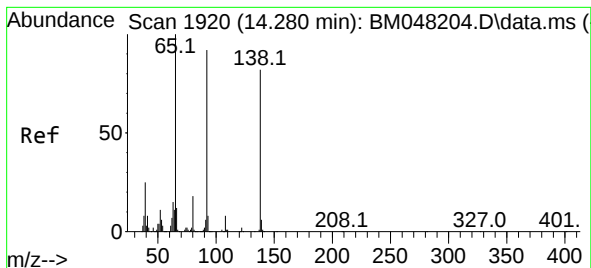
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#52
Acenaphthene
Concen: 3.334 ng
RT: 14.428 min Scan# 1945
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

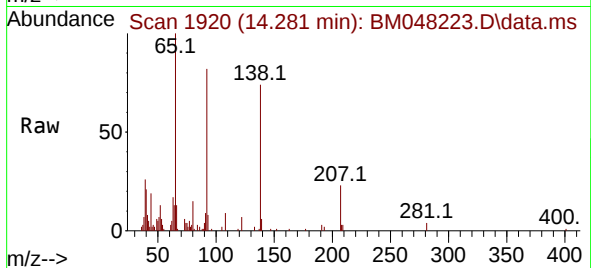
Tgt Ion:154 Resp: 107547
Ion Ratio Lower Upper
154 100
153 107.6 90.4 135.6
152 54.3 43.6 65.4





#53
3-Nitroaniline
Concen: 2.554 ng
RT: 14.281 min Scan# 1920
Delta R.T. 0.000 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

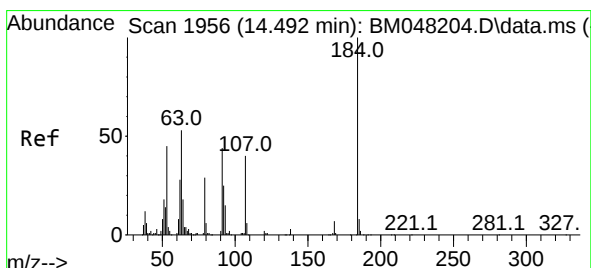
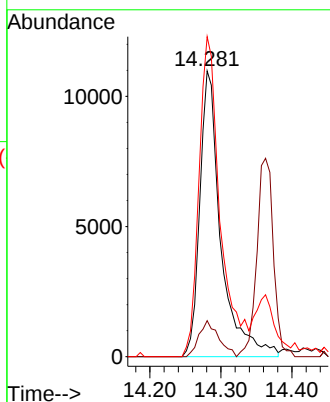
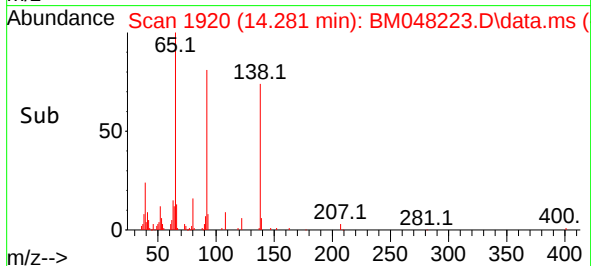
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:138 Resp: 22680
Ion Ratio Lower Upper
138 100
108 12.6 7.5 11.3
92 112.0 89.7 134.5

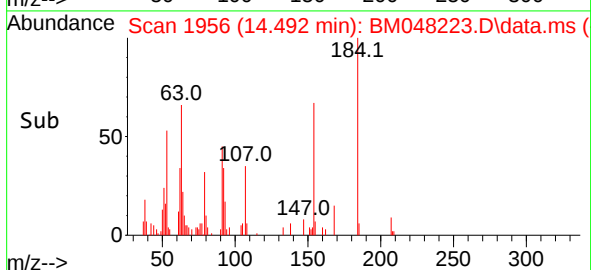
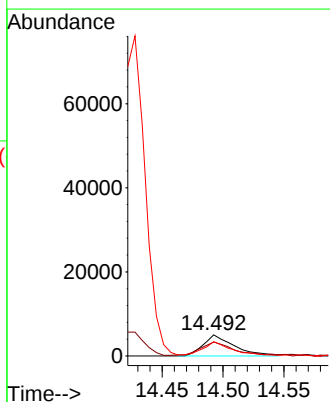
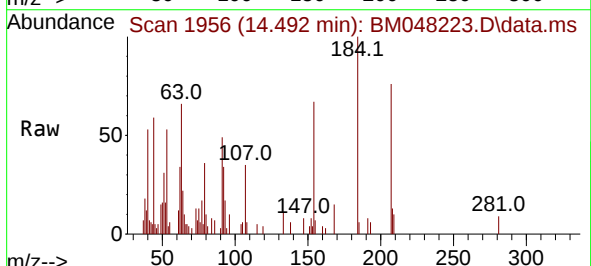
Manual Integrations
APPROVED

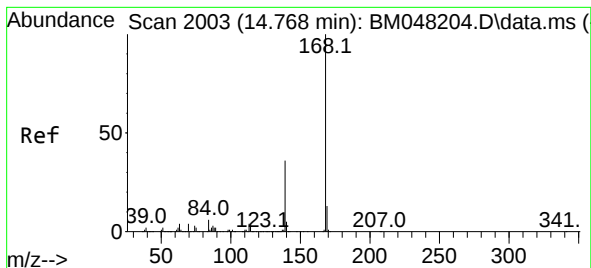
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#54
2,4-Dinitrophenol
Concen: 1.606 ng
RT: 14.492 min Scan# 1956
Delta R.T. 0.000 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

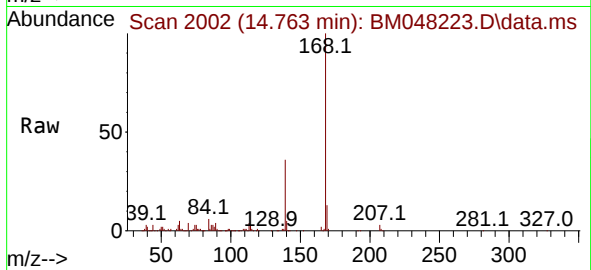
Tgt Ion:184 Resp: 8836
Ion Ratio Lower Upper
184 100
63 65.7 47.2 70.8
154 67.0 46.0 69.0





#55
Dibenzenofuran
Concen: 3.436 ng
RT: 14.763 min Scan# 2003
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

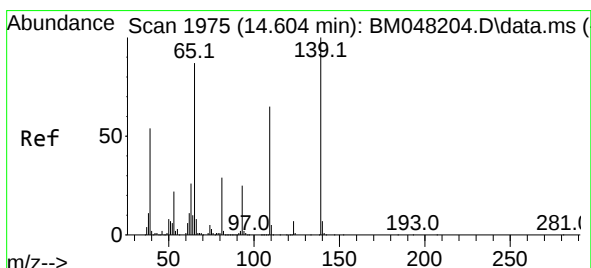
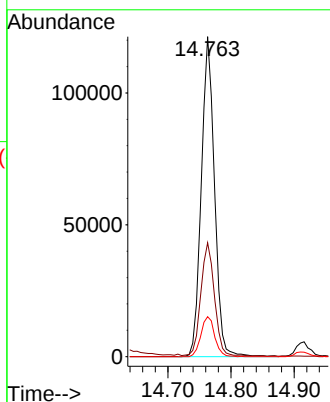
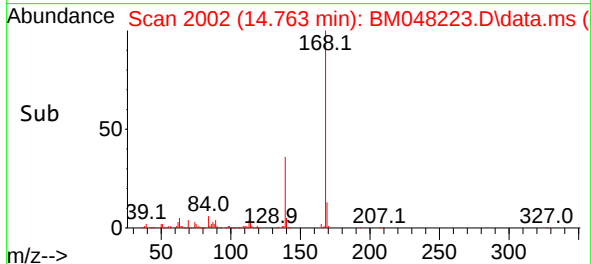
Instrument : BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



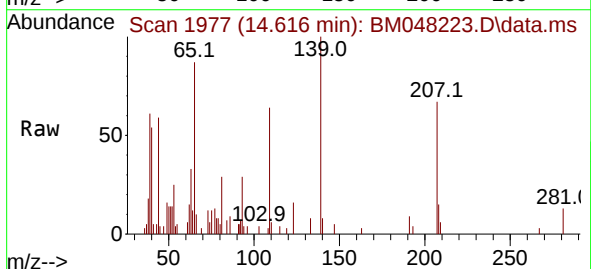
Tgt Ion:168 Resp: 176072
Ion Ratio Lower Upper
168 100
139 35.6 29.0 43.6
169 12.5 10.4 15.6

Manual Integrations
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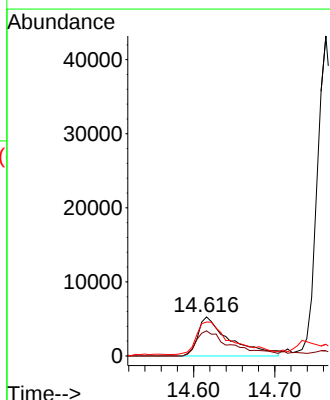
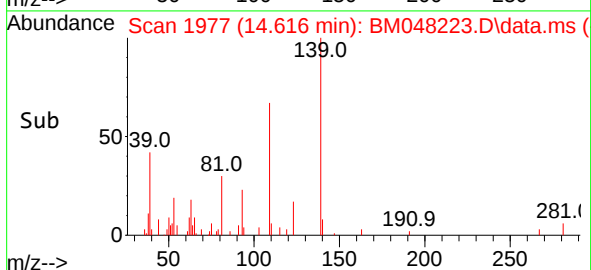
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

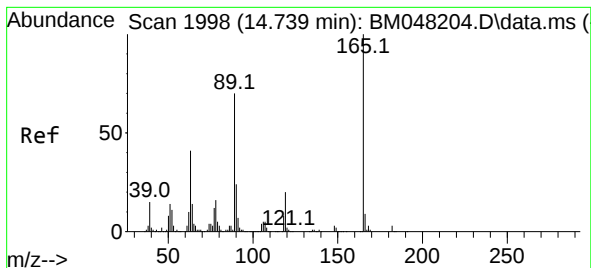


#56
4-Nitrophenol
Concen: 1.820 ng
RT: 14.616 min Scan# 1977
Delta R.T. 0.012 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07



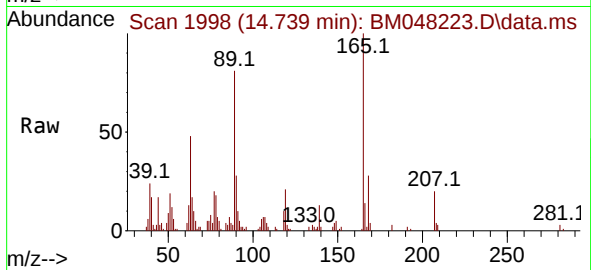
Tgt Ion:139 Resp: 14419
Ion Ratio Lower Upper
139 100
109 64.4 45.4 85.4
65 86.9 67.3 107.3





#57
2,4-Dinitrotoluene
Concen: 2.504 ng
RT: 14.739 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

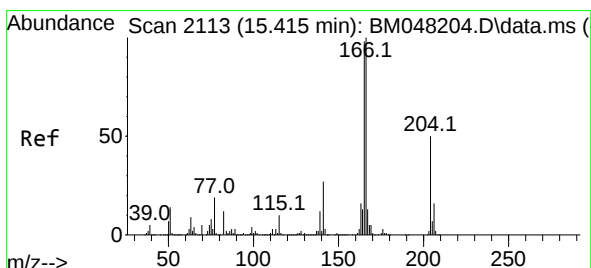
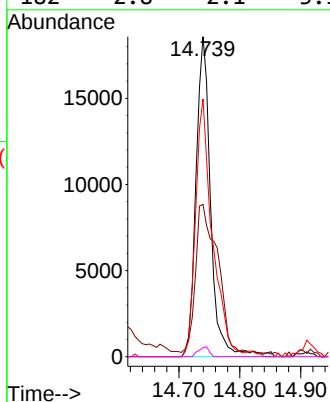
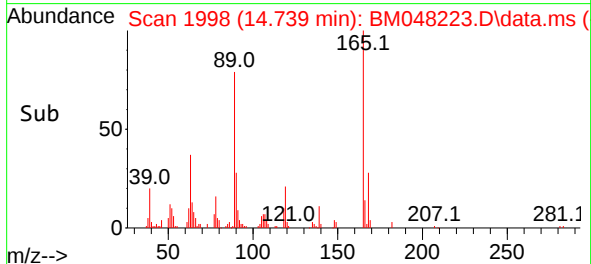
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:165 Resp: 31129
Ion Ratio Lower Upper
165 100
63 47.6 33.0 49.4
89 80.6 55.8 83.6
182 2.8 2.1 3.1

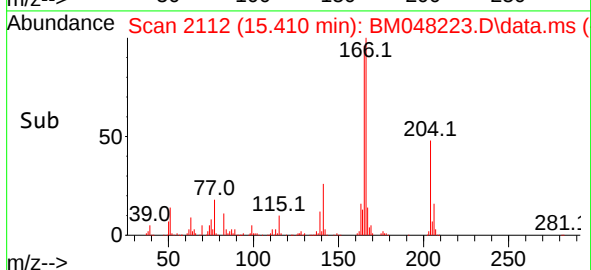
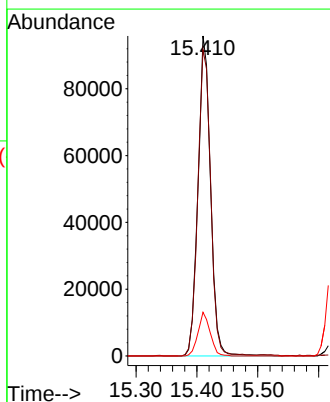
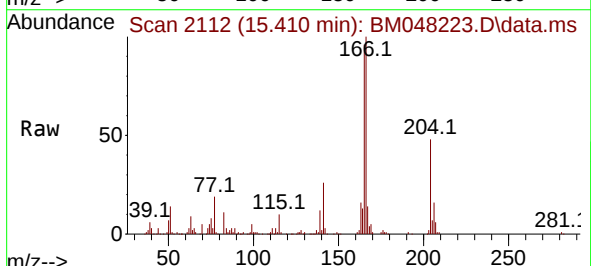
Manual Integrations
APPROVED

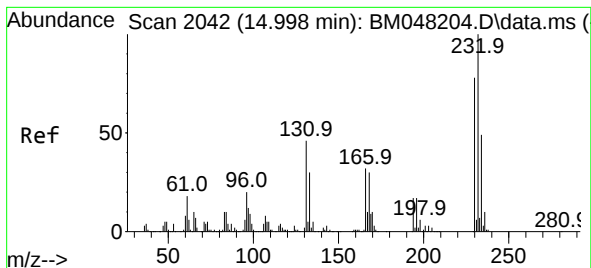
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#58
Fluorene
Concen: 3.377 ng
RT: 15.410 min Scan# 2112
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

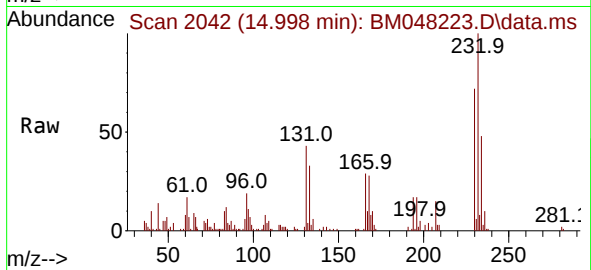
Tgt Ion:166 Resp: 136841
Ion Ratio Lower Upper
166 100
165 95.8 78.4 117.6
167 13.6 10.8 16.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.265 ng
RT: 14.998 min Scan# 2042
Delta R.T. 0.000 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

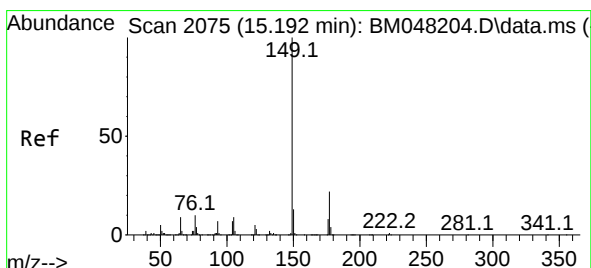
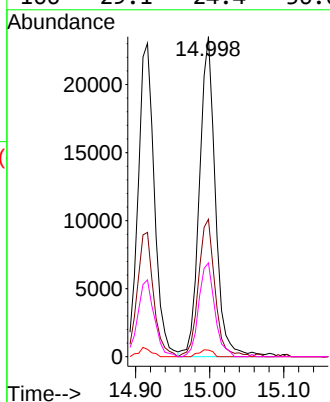
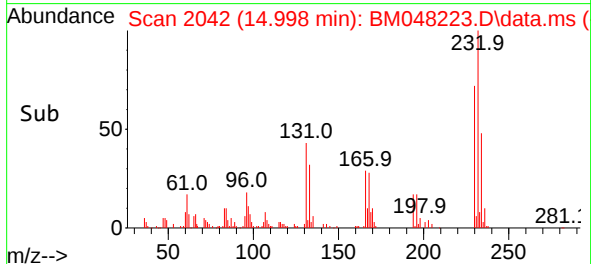
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:232 Resp: 3538
Ion Ratio Lower Upper
232 100
131 44.1 35.5 53.3
130 1.9 1.8 2.6
166 29.1 24.4 36.6

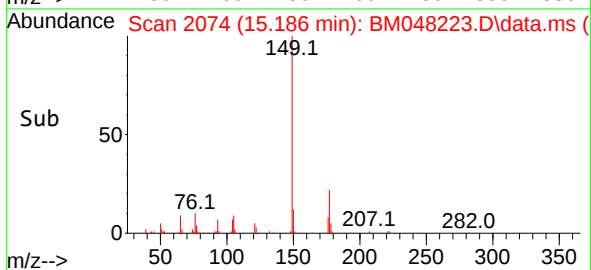
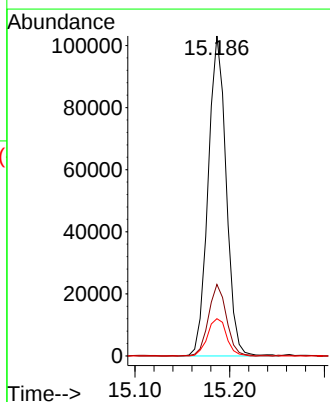
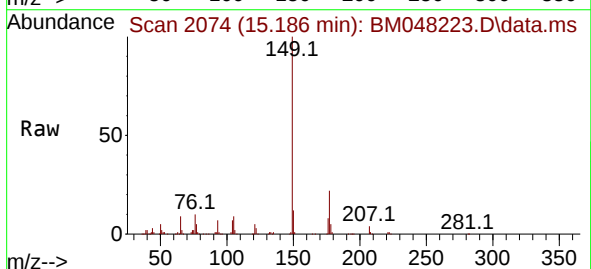
Manual Integrations
APPROVED

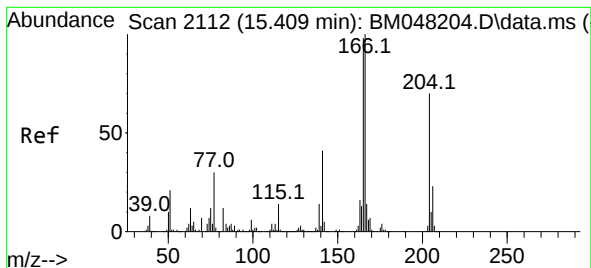
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#60
Diethylphthalate
Concen: 3.177 ng
RT: 15.186 min Scan# 2074
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

Tgt Ion:149 Resp: 135739
Ion Ratio Lower Upper
149 100
177 22.4 17.5 26.3
150 11.7 10.1 15.1





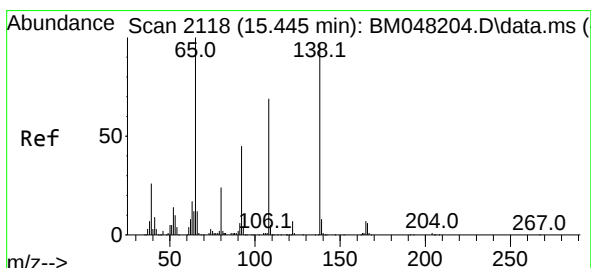
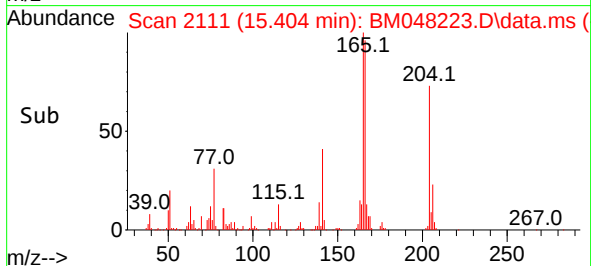
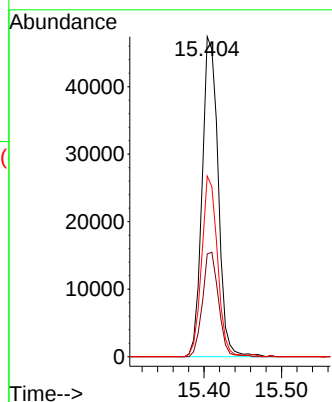
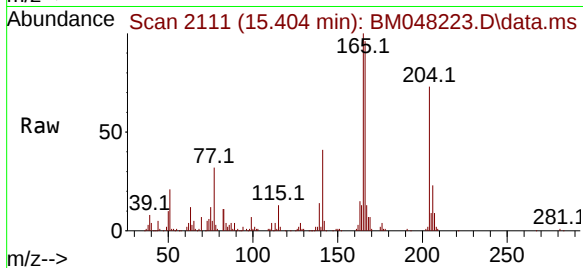
#61
4-Chlorophenyl-phenylether
Concen: 3.363 ng
RT: 15.404 min Scan# 2112
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:204 Resp: 6814
Ion Ratio Lower Upper
204 100
206 32.1 26.2 39.4
141 56.4 47.0 70.6

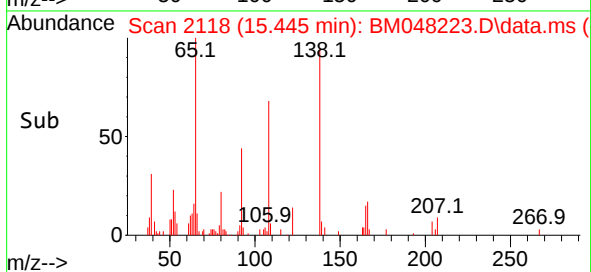
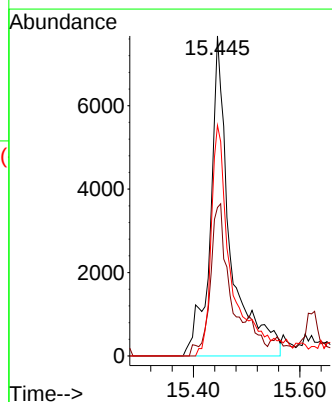
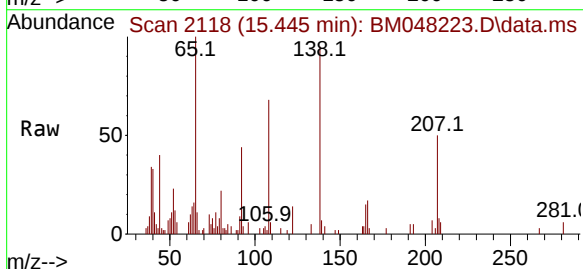
Manual Integrations
APPROVED

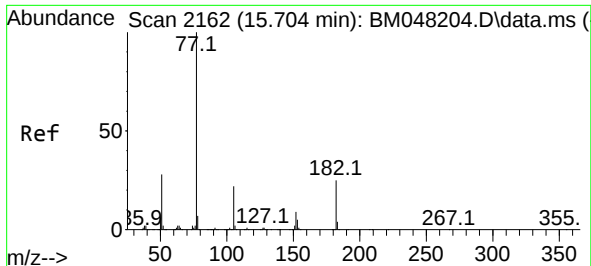
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#62
4-Nitroaniline
Concen: 2.175 ng
RT: 15.445 min Scan# 2118
Delta R.T. 0.000 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

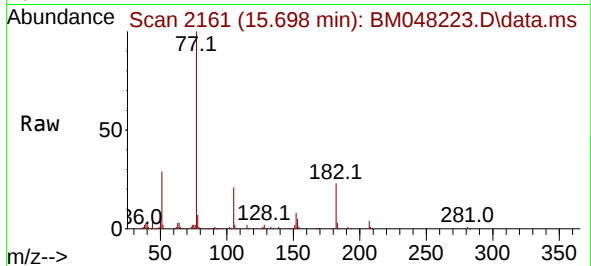
Tgt Ion:138 Resp: 19985
Ion Ratio Lower Upper
138 100
92 46.4 26.9 66.9
108 72.0 51.3 91.3





#63
Azobenzene
Concen: 3.124 ng
RT: 15.698 min Scan# 2161
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

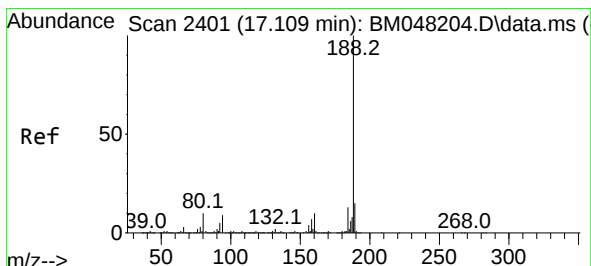
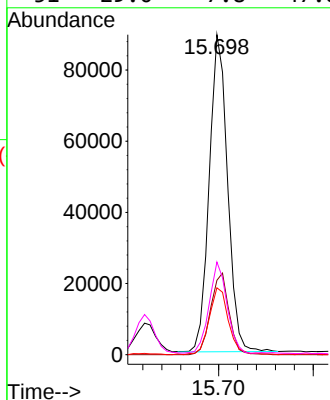
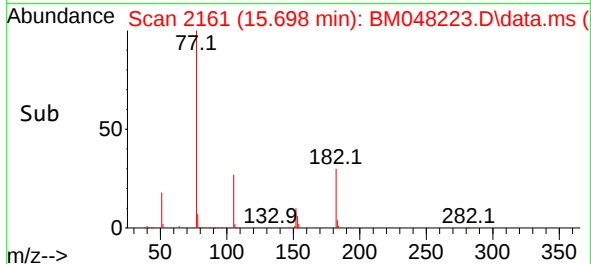
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion: 77 Resp: 11961
Ion Ratio Lower Upper
77 100
182 23.3 5.3 45.3
105 20.9 1.6 41.6
51 29.0 7.8 47.8

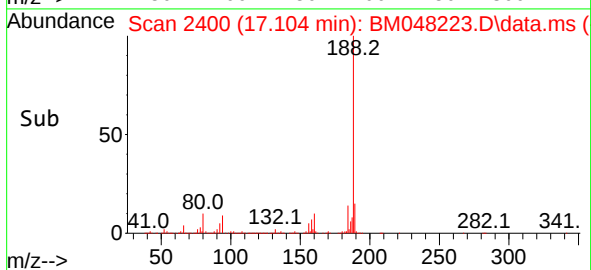
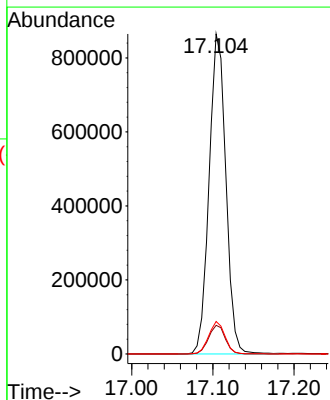
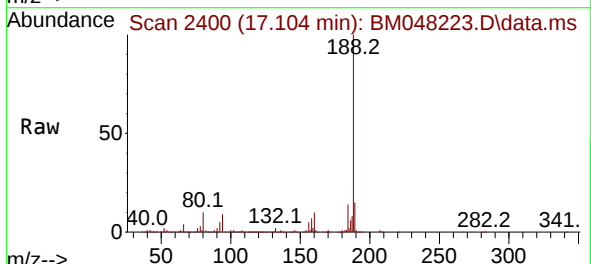
Manual Integrations
APPROVED

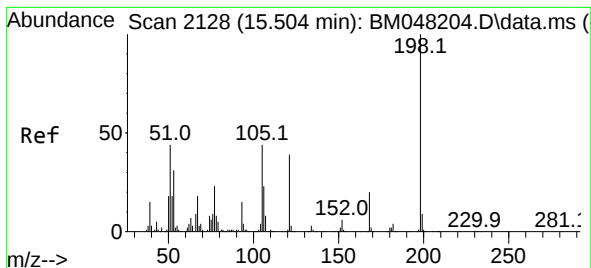
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.104 min Scan# 2400
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

Tgt Ion:188 Resp: 1239411
Ion Ratio Lower Upper
188 100
94 8.9 7.3 10.9
80 10.2 8.0 12.0





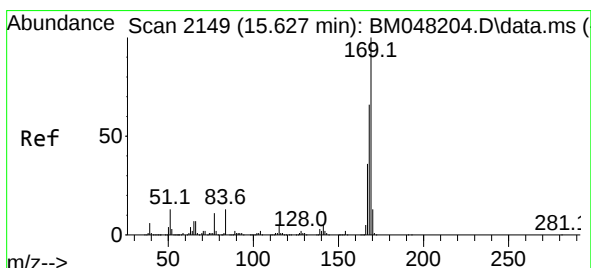
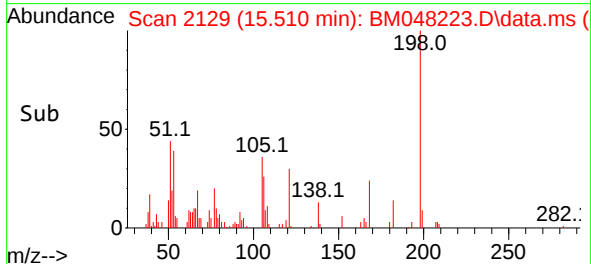
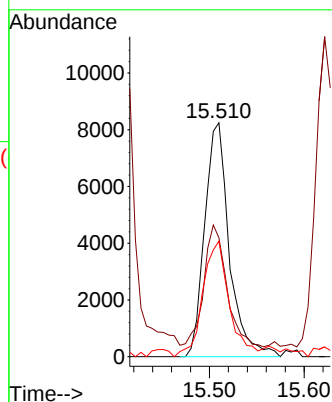
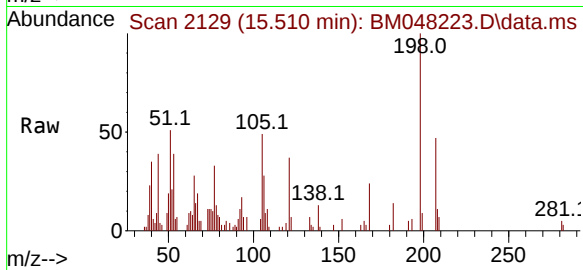
#65
4,6-Dinitro-2-methylphenol
Concen: 2.065 ng
RT: 15.510 min Scan# 2128
Delta R.T. 0.006 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:198 Resp: 14849
Ion Ratio Lower Upper
198 100
51 50.9 25.4 65.4
105 49.4 23.9 63.9

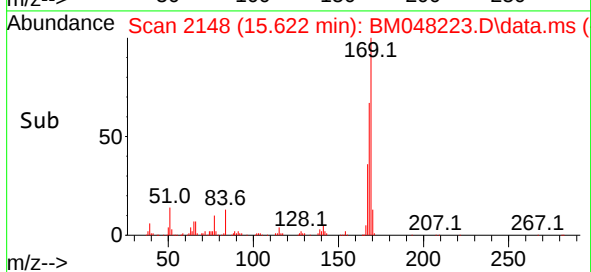
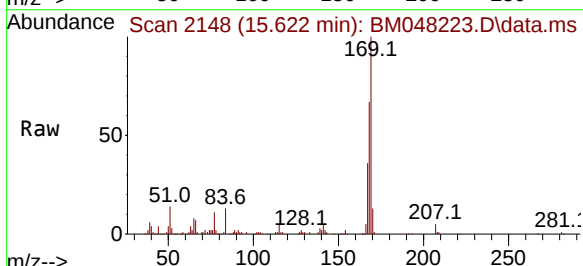
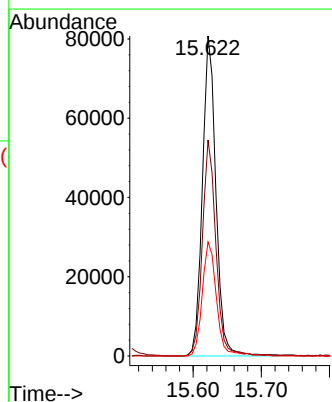
Manual Integrations
APPROVED

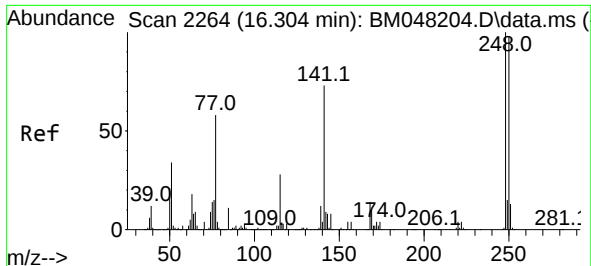
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#66
n-Nitrosodiphenylamine
Concen: 3.280 ng
RT: 15.622 min Scan# 2148
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

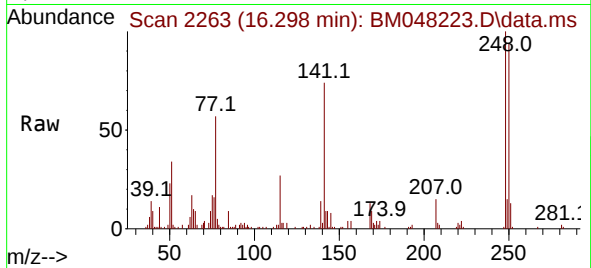
Tgt Ion:169 Resp: 111602
Ion Ratio Lower Upper
169 100
168 67.5 52.9 79.3
167 35.7 29.3 43.9





#67
4-Bromophenyl-phenylether
Concen: 3.308 ng
RT: 16.298 min Scan# 21
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

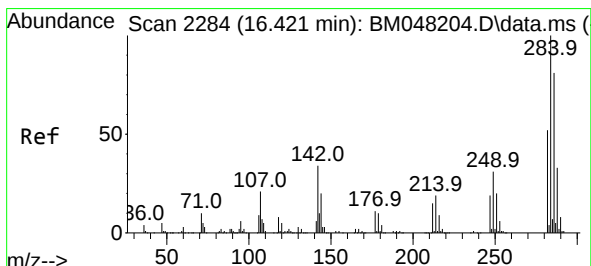
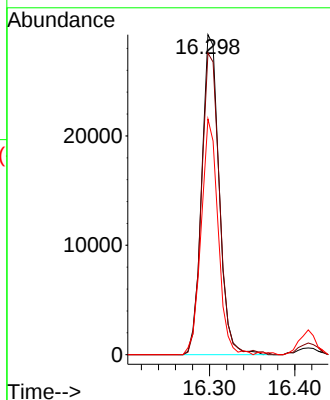
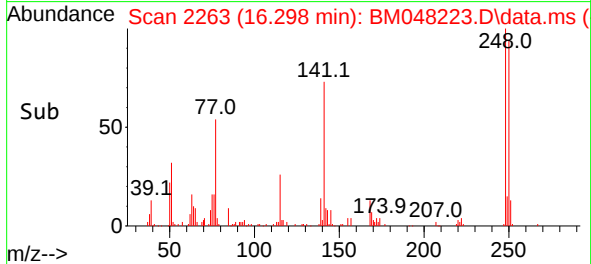
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:248 Resp: 4157
Ion Ratio Lower Upper
248 100
250 94.3 78.3 117.5
141 73.7 58.0 87.0

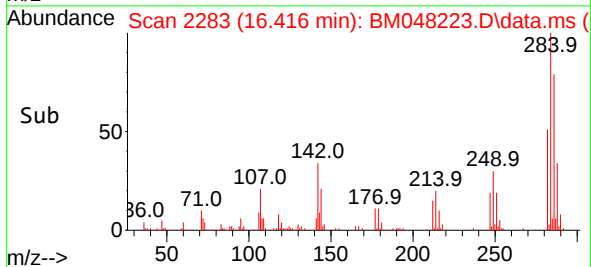
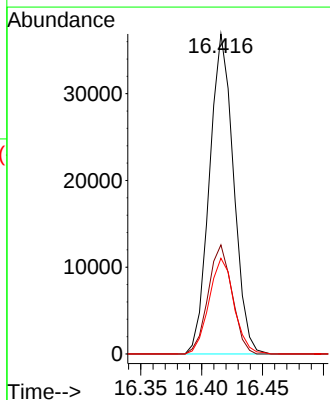
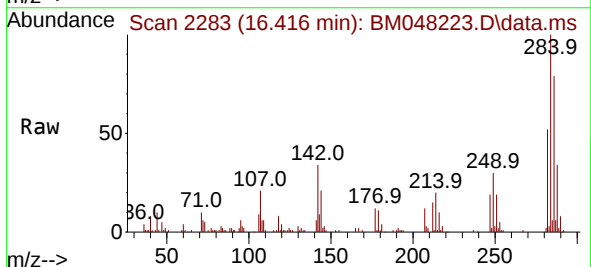
Manual Integrations
APPROVED

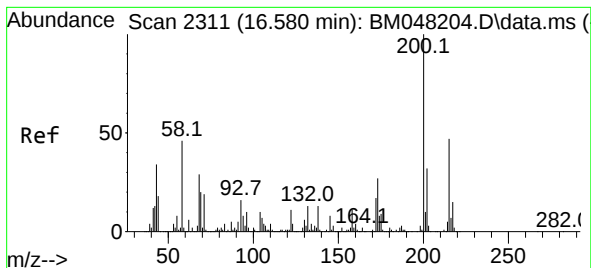
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#68
Hexachlorobenzene
Concen: 3.365 ng
RT: 16.416 min Scan# 2283
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

Tgt Ion:284 Resp: 50789
Ion Ratio Lower Upper
284 100
142 34.1 27.0 40.4
249 29.9 24.6 36.8





#69

Atrazine

Concen: 4.033 ng

RT: 16.575 min Scan# 21

Delta R.T. -0.005 min

Lab File: BM048223.D

Acq: 24 Oct 2024 19:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

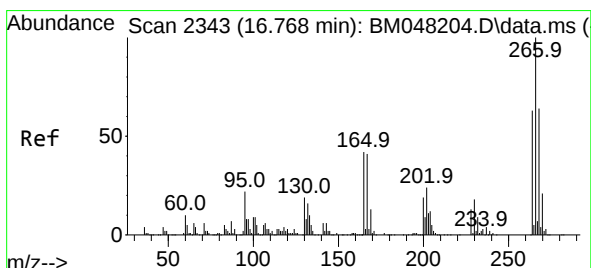
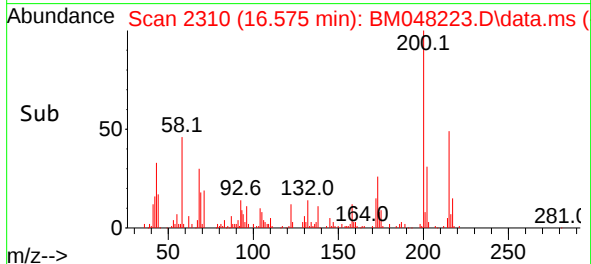
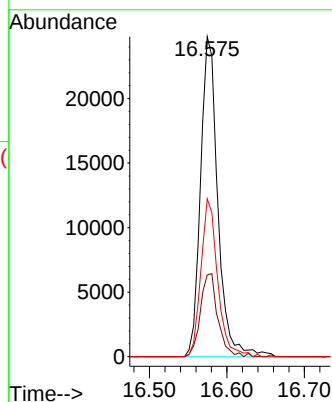
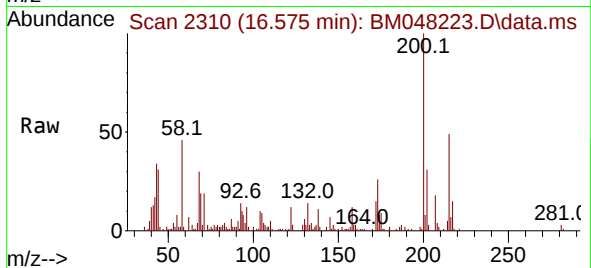
Tgt Ion:	200	Resp:	38394
Ion Ratio	Lower	Upper	
200	100		
173	25.6	6.5	46.5
215	49.4	27.2	67.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#70

Pentachlorophenol

Concen: 2.650 ng

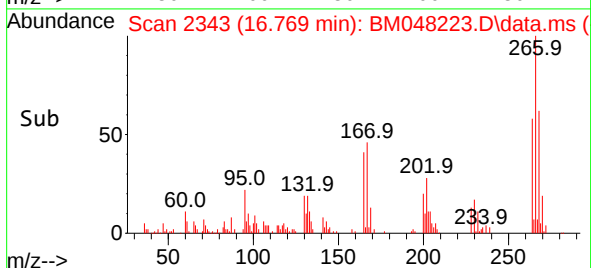
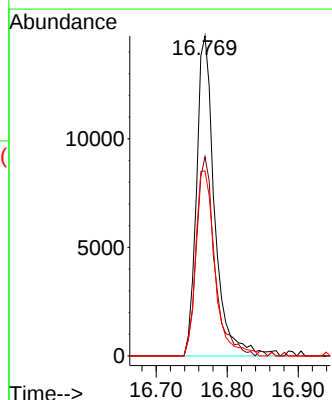
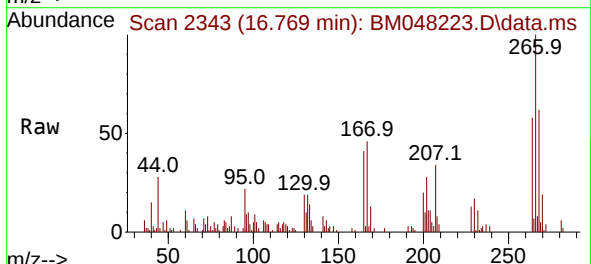
RT: 16.769 min Scan# 2343

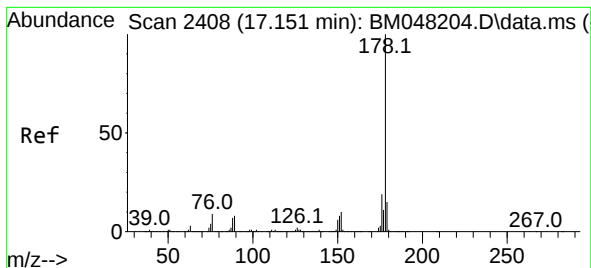
Delta R.T. 0.000 min

Lab File: BM048223.D

Acq: 24 Oct 2024 19:07

Tgt Ion:	266	Resp:	26260
Ion Ratio	Lower	Upper	
266	100		
268	62.3	50.8	76.2
264	57.9	50.2	75.2





#71

Phenanthrene

Concen: 3.533 ng

RT: 17.145 min Scan# 2408

Delta R.T. -0.005 min

Lab File: BM048223.D

Acq: 24 Oct 2024 19:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

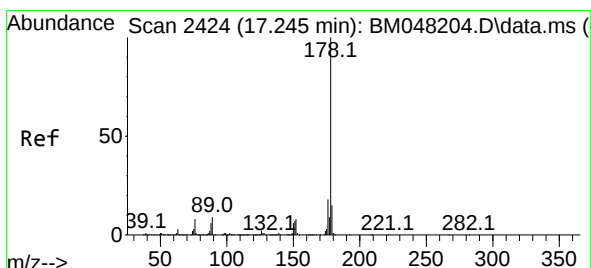
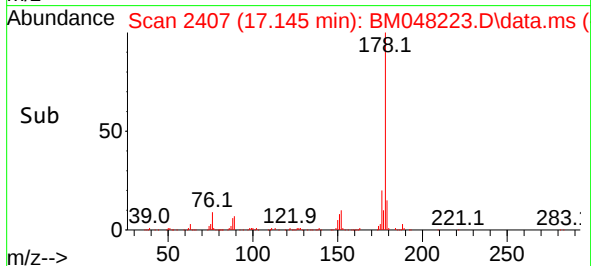
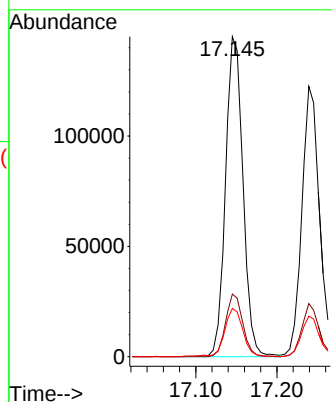
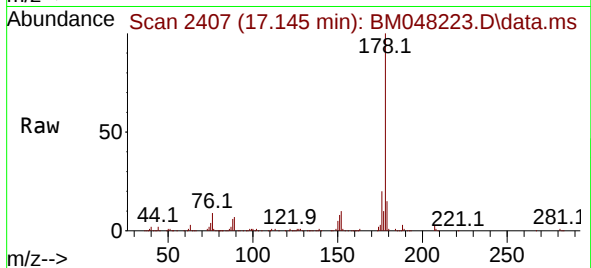
Tgt Ion:178 Resp: 216802
 Ion Ratio Lower Upper
 178 100
 176 19.5 15.4 23.0
 179 15.0 12.4 18.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#72

Anthracene

Concen: 3.209 ng

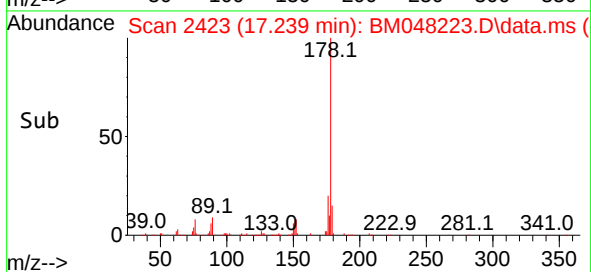
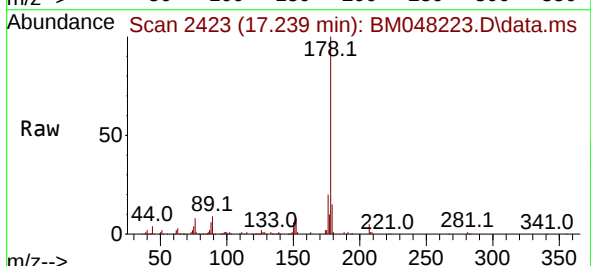
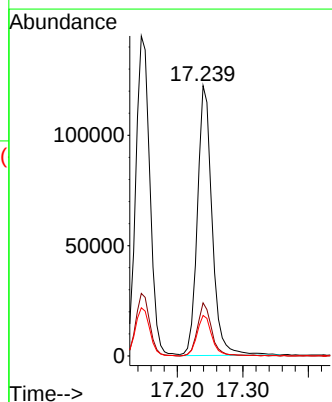
RT: 17.239 min Scan# 2423

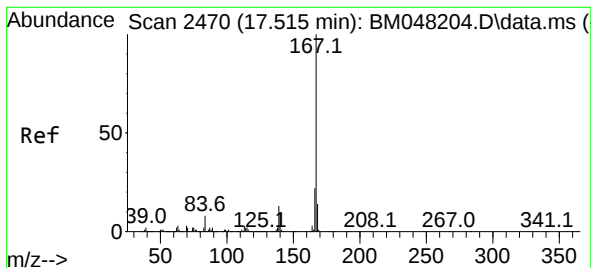
Delta R.T. -0.005 min

Lab File: BM048223.D

Acq: 24 Oct 2024 19:07

Tgt Ion:178 Resp: 190638
 Ion Ratio Lower Upper
 178 100
 176 19.7 14.8 22.2
 179 15.0 12.2 18.2





#73

Carbazole

Concen: 3.130 ng

RT: 17.516 min Scan# 24

Delta R.T. 0.000 min

Lab File: BM048223.D

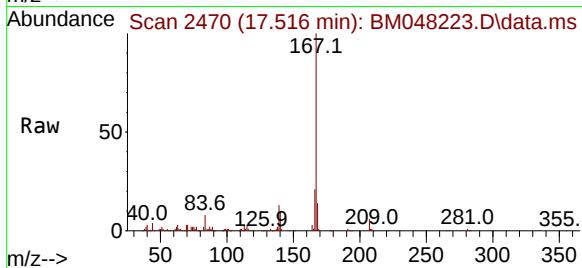
Acq: 24 Oct 2024 19:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:167 Resp: 182260

Ion Ratio Lower Upper

167 100

166 21.3 17.2 25.8

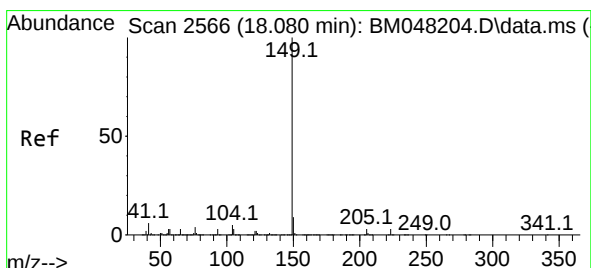
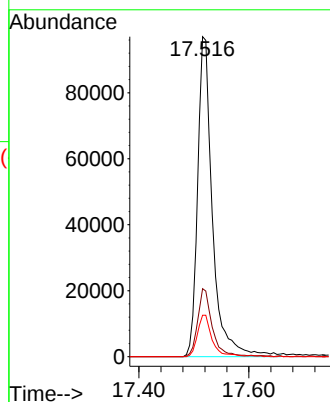
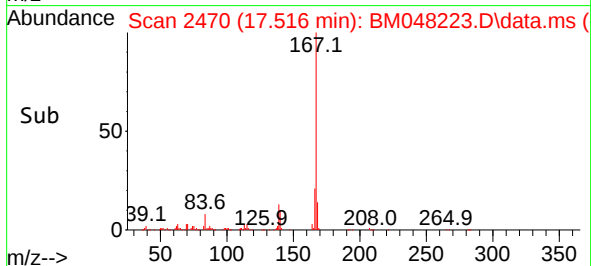
139 13.0 10.4 15.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#74

Di-n-butylphthalate

Concen: 2.986 ng

RT: 18.074 min Scan# 2565

Delta R.T. -0.005 min

Lab File: BM048223.D

Acq: 24 Oct 2024 19:07

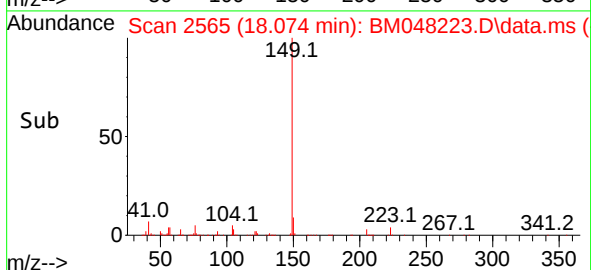
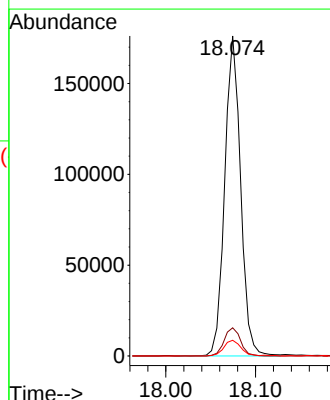
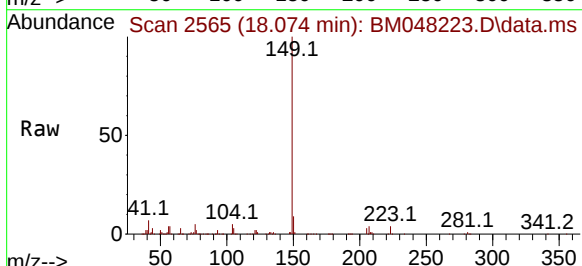
Tgt Ion:149 Resp: 216482

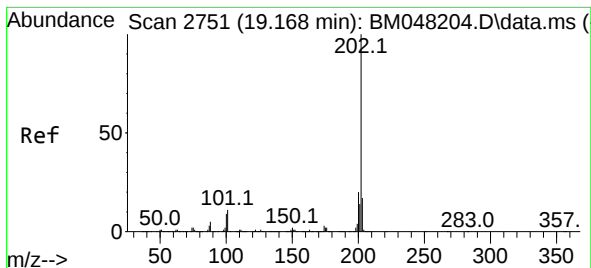
Ion Ratio Lower Upper

149 100

150 8.8 7.2 10.8

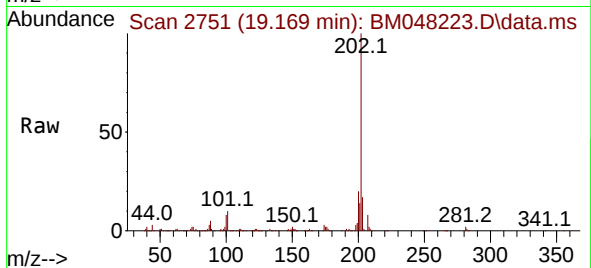
104 4.9 3.8 5.6





#75
Fluoranthene
Concen: 3.279 ng
RT: 19.169 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

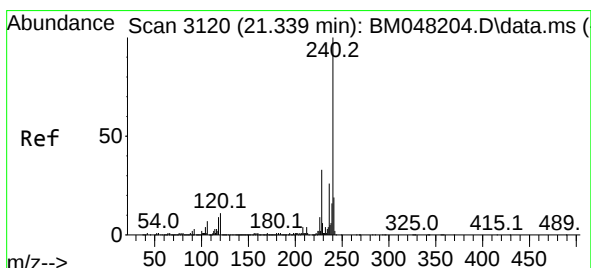
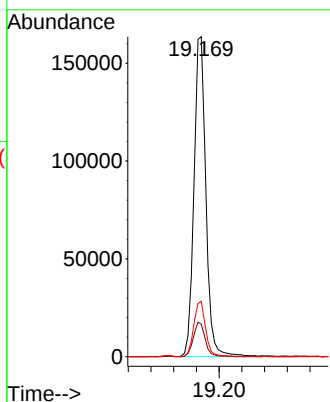
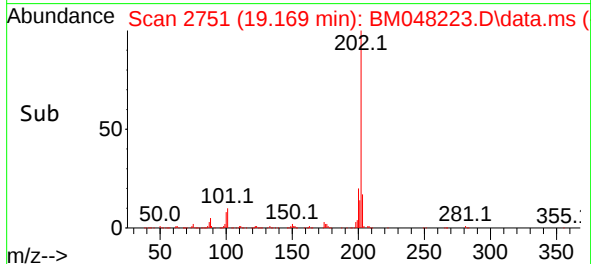
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



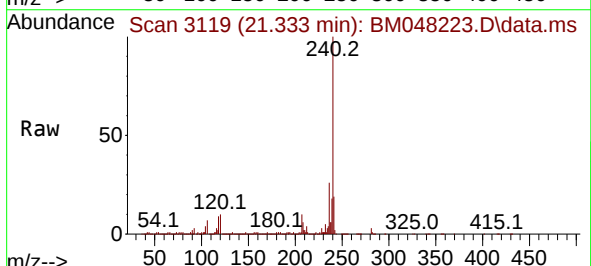
Tgt Ion:202 Resp: 240059
Ion Ratio Lower Upper
202 100
101 10.2 0.0 31.0
203 17.3 0.0 37.5

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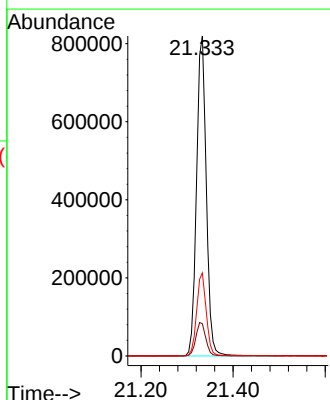
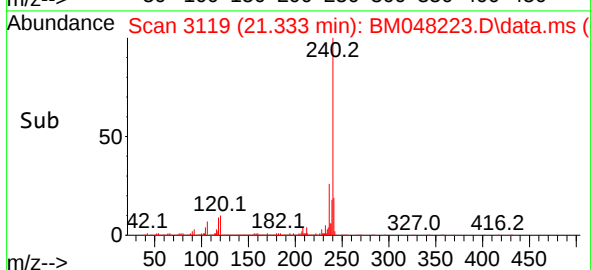
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

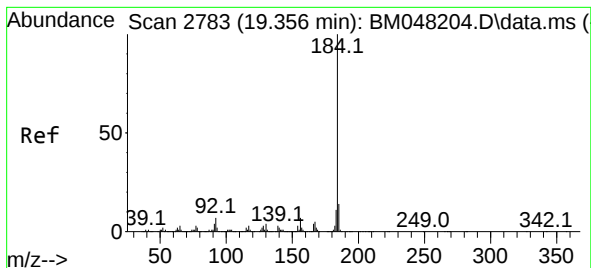


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.333 min Scan# 3119
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07



Tgt Ion:240 Resp: 1203213
Ion Ratio Lower Upper
240 100
120 10.1 8.6 13.0
236 26.0 20.7 31.1





#77

Benzidine

Concen: 3.260 ng m

RT: 19.357 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM048223.D

Acq: 24 Oct 2024 19:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

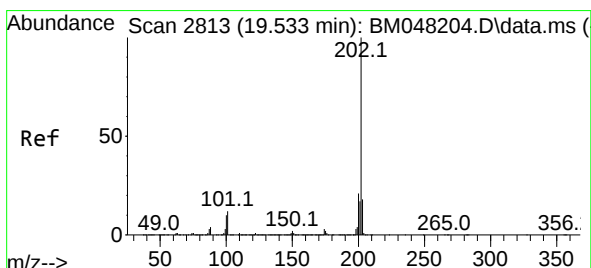
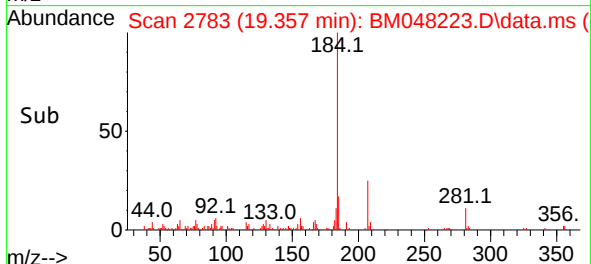
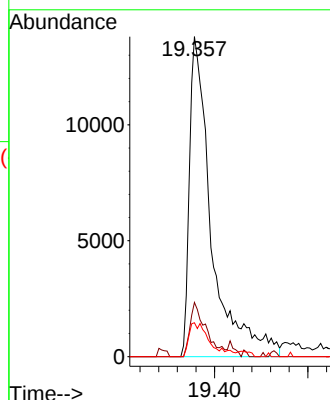
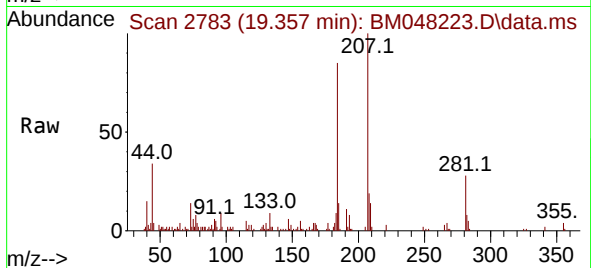
Tgt Ion:	184	Resp:	4526
Ion Ratio	Lower	Upper	
184	100		
185	16.9	11.4	17.0
183	10.6	9.0	13.4

Manual Integrations

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Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#78

Pyrene

Concen: 3.124 ng

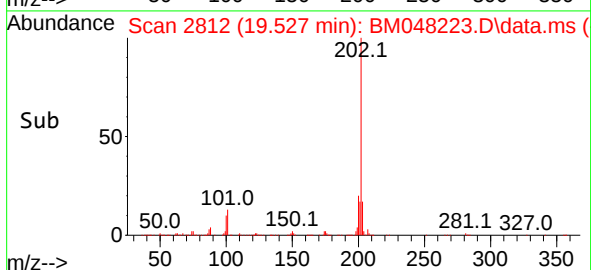
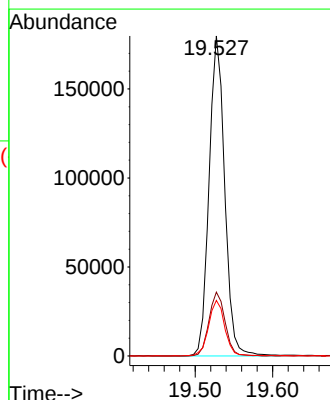
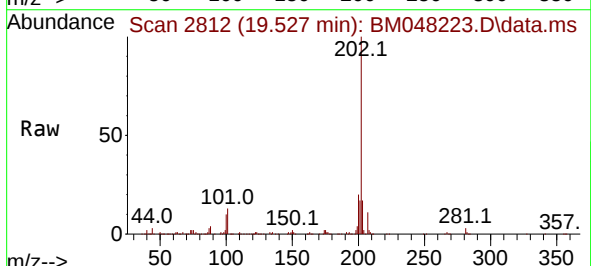
RT: 19.527 min Scan# 2812

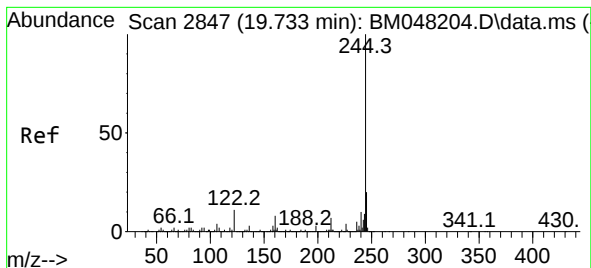
Delta R.T. -0.005 min

Lab File: BM048223.D

Acq: 24 Oct 2024 19:07

Tgt Ion:	202	Resp:	251574
Ion Ratio	Lower	Upper	
202	100		
200	20.0	16.9	25.3
203	17.3	14.1	21.1





#79

Terphenyl-d14

Concen: 62.939 ng

RT: 19.733 min Scan# 21

Delta R.T. 0.000 min

Lab File: BM048223.D

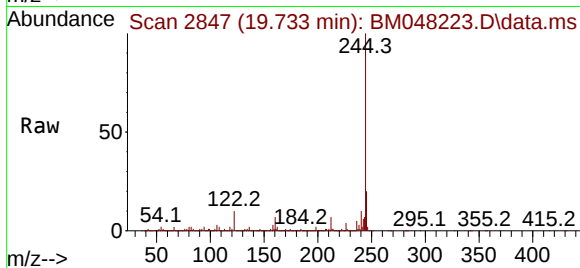
Acq: 24 Oct 2024 19:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:244 Resp: 371085

Ion Ratio Lower Upper

244 100

212 6.8 5.6 8.4

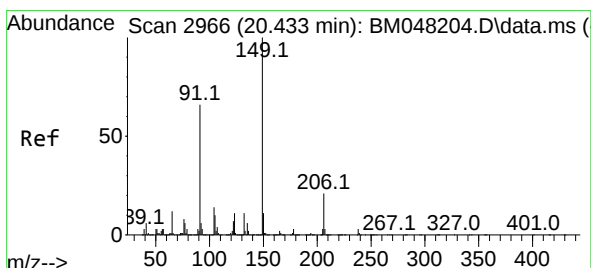
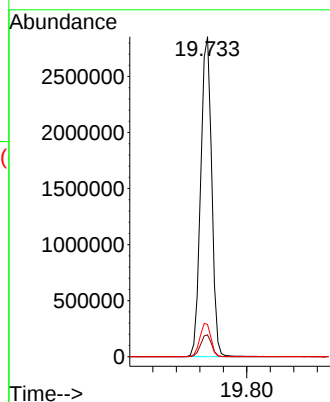
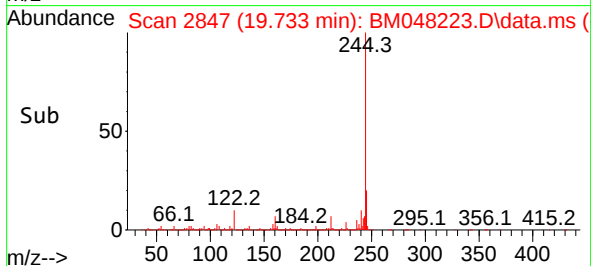
122 10.0 8.8 13.2

Manual Integrations

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Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#80

Butylbenzylphthalate

Concen: 2.800 ng

RT: 20.427 min Scan# 2965

Delta R.T. -0.005 min

Lab File: BM048223.D

Acq: 24 Oct 2024 19:07

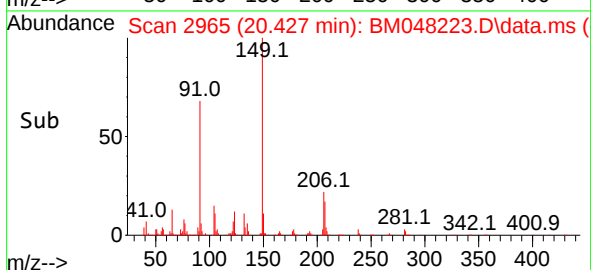
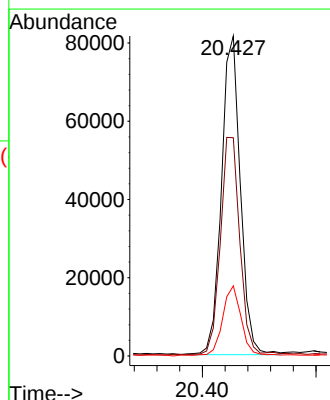
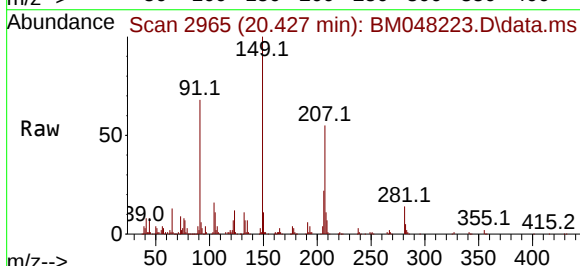
Tgt Ion:149 Resp: 94302

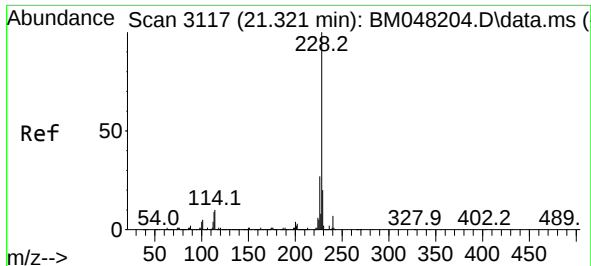
Ion Ratio Lower Upper

149 100

91 68.2 52.5 78.7

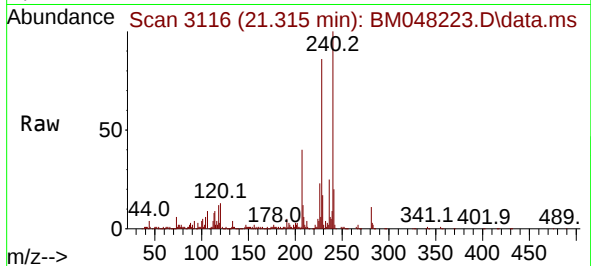
206 21.9 17.0 25.6





#81
Benzo(a)anthracene
Concen: 3.369 ng
RT: 21.315 min Scan# 3116
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

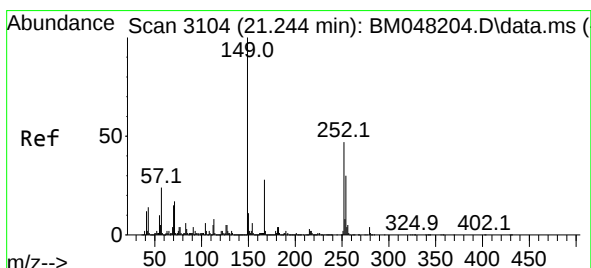
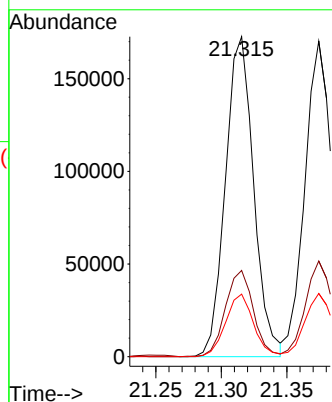
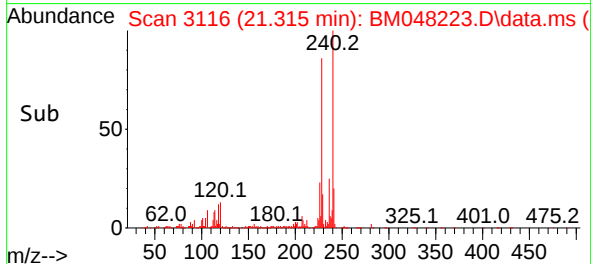
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:228 Resp: 259064
Ion Ratio Lower Upper
228 100
226 26.9 21.5 32.3
229 19.5 15.7 23.5

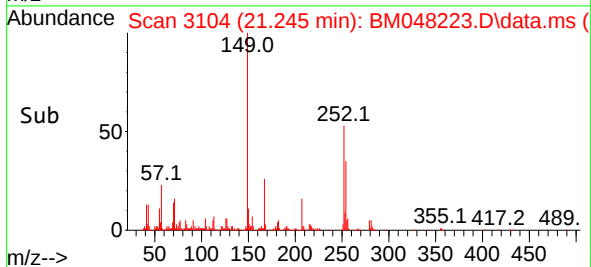
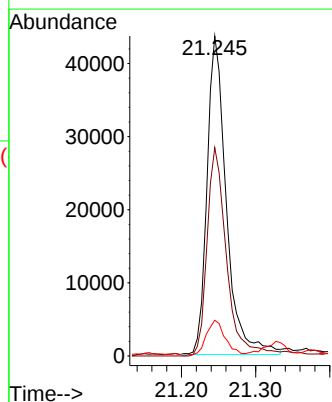
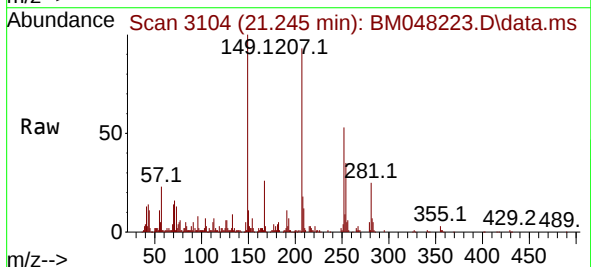
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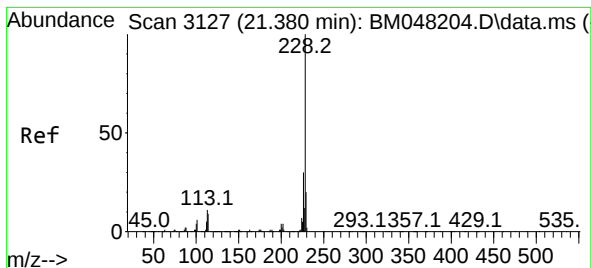
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#82
3,3'-Dichlorobenzidine
Concen: 2.990 ng
RT: 21.245 min Scan# 3104
Delta R.T. 0.000 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

Tgt Ion:252 Resp: 78741
Ion Ratio Lower Upper
252 100
254 65.1 51.8 77.8
126 11.2 8.8 13.2





#83

Chrysene

Concen: 3.496 ng

RT: 21.374 min Scan# 3127

Delta R.T. -0.005 min

Lab File: BM048223.D

Acq: 24 Oct 2024 19:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

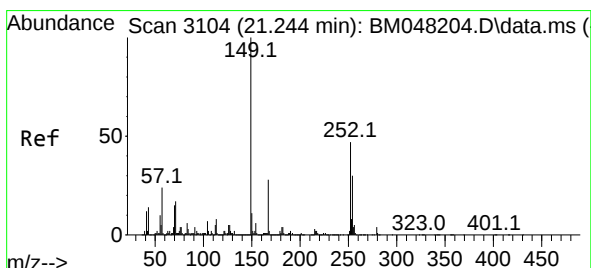
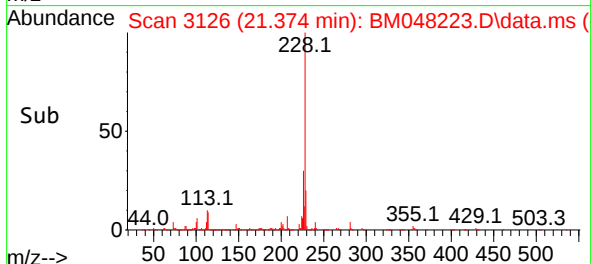
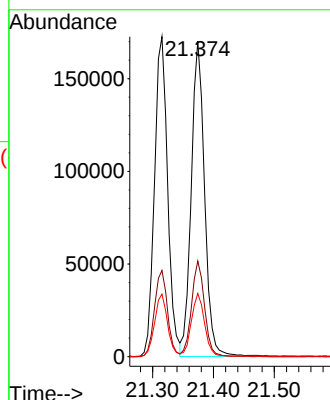
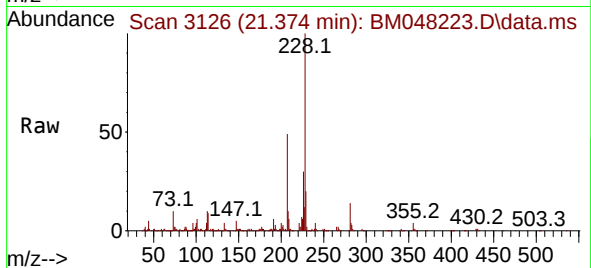
Tgt Ion:228 Resp: 257998
 Ion Ratio Lower Upper
 228 100
 226 30.3 23.5 35.3
 229 20.0 15.7 23.5

Manual Integrations

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Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.042 ng

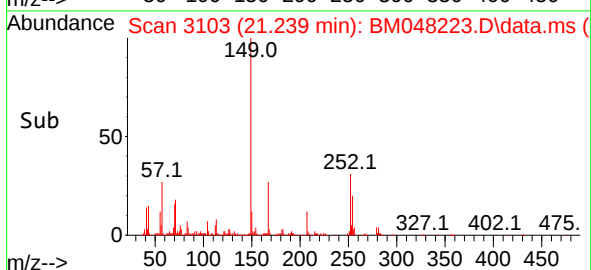
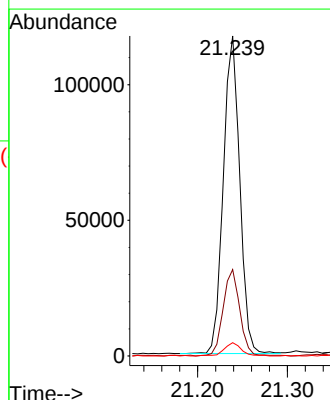
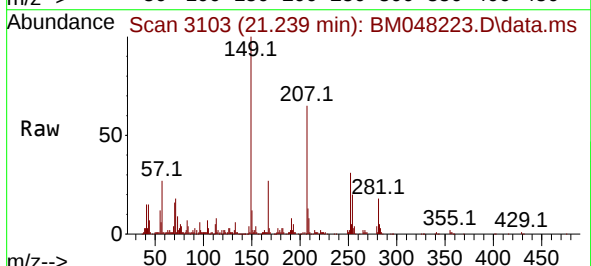
RT: 21.239 min Scan# 3103

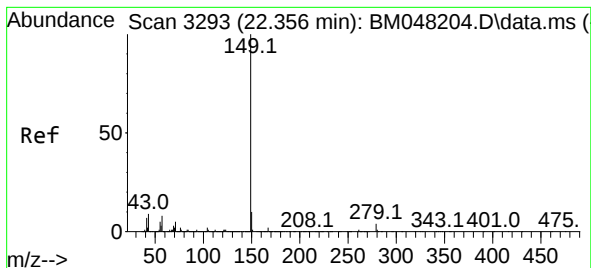
Delta R.T. -0.005 min

Lab File: BM048223.D

Acq: 24 Oct 2024 19:07

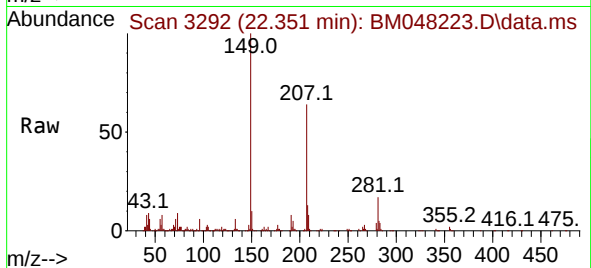
Tgt Ion:149 Resp: 148901
 Ion Ratio Lower Upper
 149 100
 167 27.0 22.5 33.7
 279 4.1 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 2.636 ng
RT: 22.351 min Scan# 31
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

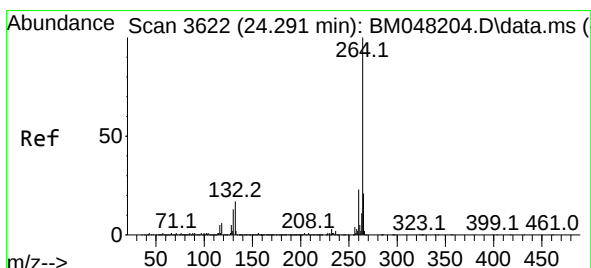
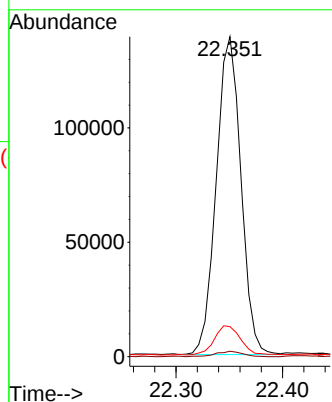
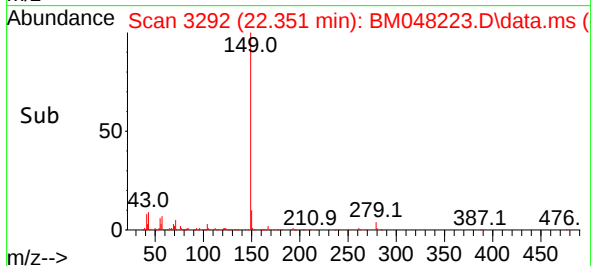
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



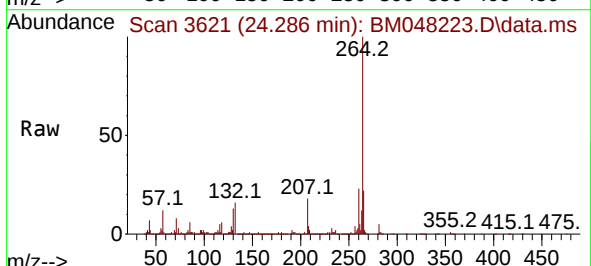
Tgt Ion:149 Resp: 22343
Ion Ratio Lower Upper
149 100
167 1.8 1.2 1.8
43 9.9 7.3 10.9

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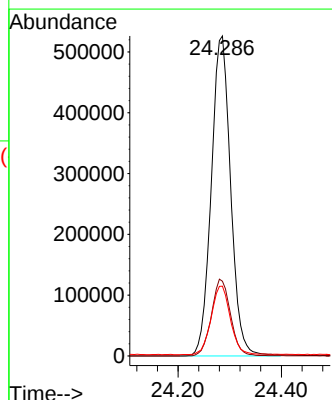
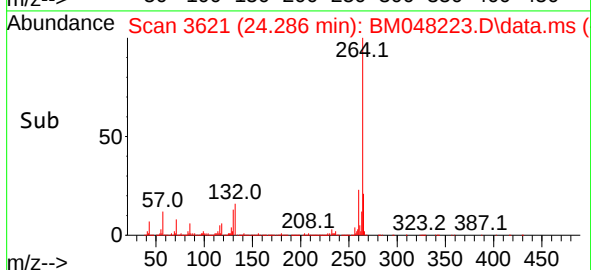
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

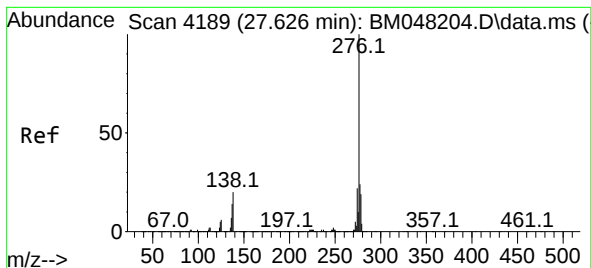


#86
Perylene-d12
Concen: 20.000 ng
RT: 24.286 min Scan# 3621
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07



Tgt Ion:264 Resp: 1368076
Ion Ratio Lower Upper
264 100
260 23.4 18.6 27.8
265 21.8 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.340 ng

RT: 27.603 min Scan# 4189

Delta R.T. -0.023 min

Lab File: BM048223.D

Acq: 24 Oct 2024 19:07

Instrument :

BNA_M

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2024

Tgt Ion:276 Resp: 30216

Ion Ratio Lower Upper

276 100

138 23.9 19.8 29.6

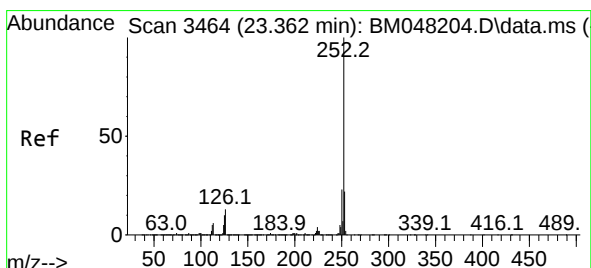
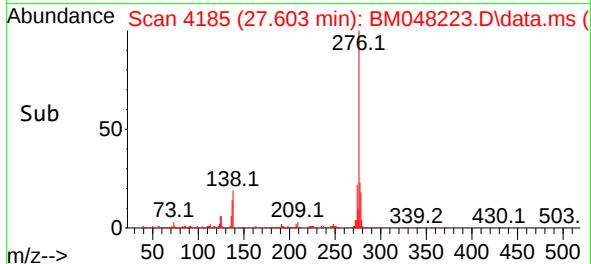
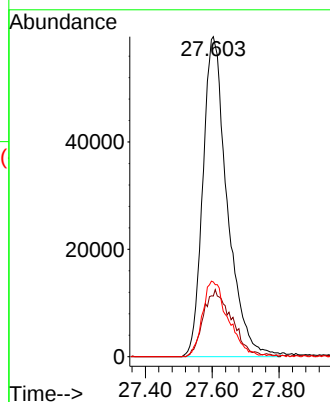
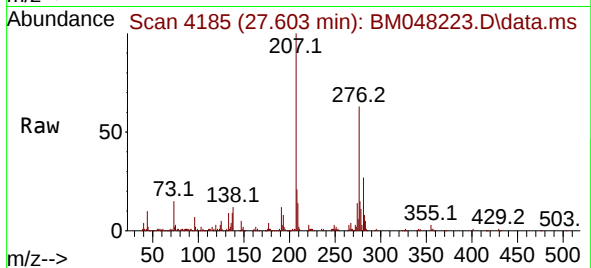
277 24.7 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#88

Benzo(b)fluoranthene

Concen: 3.201 ng

RT: 23.351 min Scan# 3462

Delta R.T. -0.011 min

Lab File: BM048223.D

Acq: 24 Oct 2024 19:07

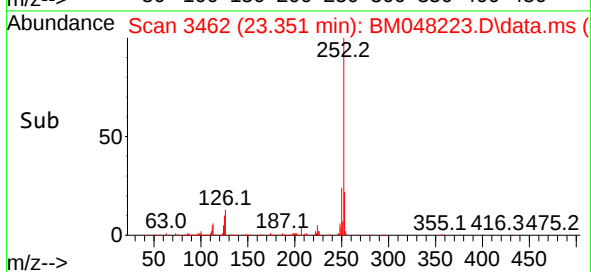
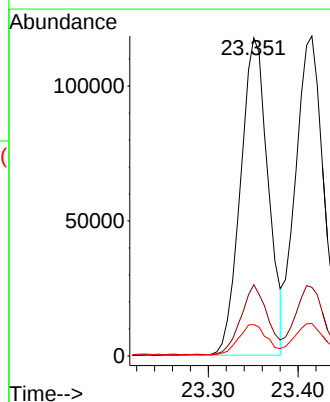
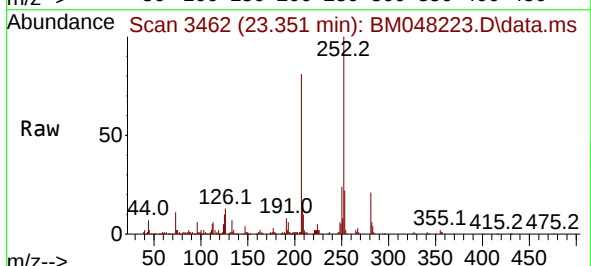
Tgt Ion:252 Resp: 251080

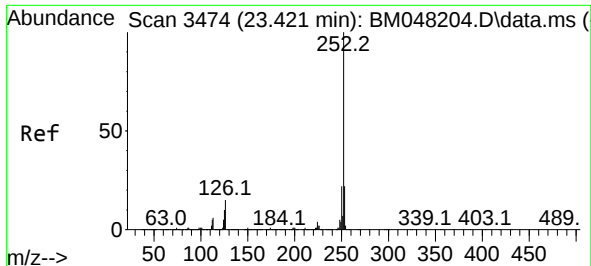
Ion Ratio Lower Upper

252 100

253 22.4 17.8 26.6

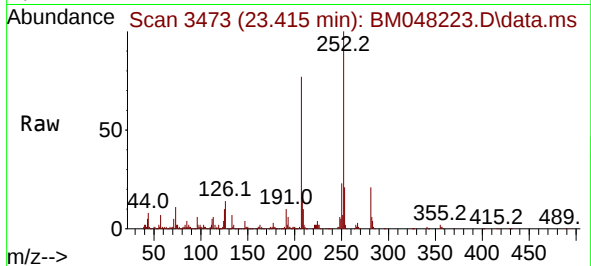
125 9.8 7.9 11.9





#89
Benzo(k)fluoranthene
Concen: 3.471 ng
RT: 23.415 min Scan# 3474
Delta R.T. -0.005 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

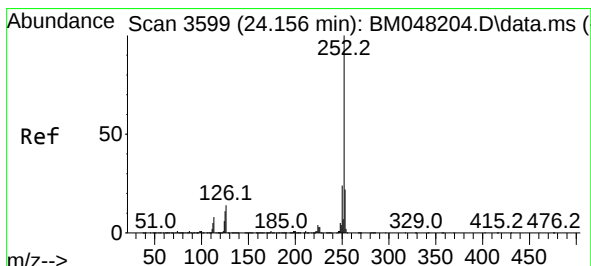
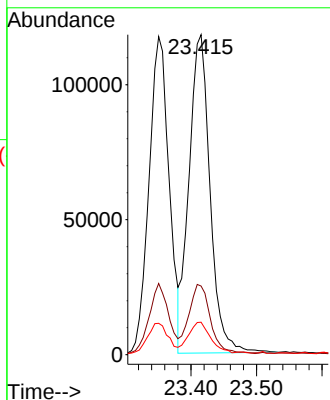
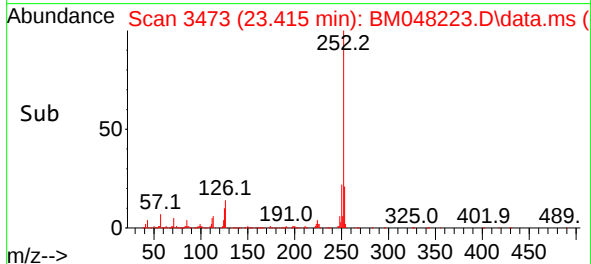
Instrument : BNA_M
ClientSampleId : LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:252 Resp: 26324
Ion Ratio Lower Upper
252 100
253 21.4 17.8 26.8
125 10.1 7.8 11.6

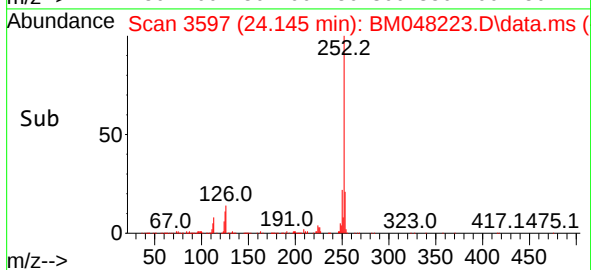
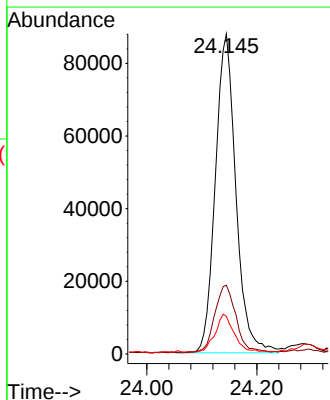
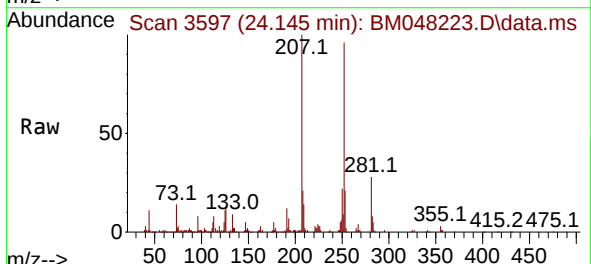
Manual Integrations
APPROVED

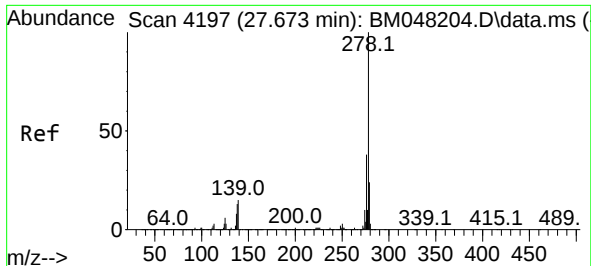
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#90
Benzo(a)pyrene
Concen: 3.343 ng
RT: 24.145 min Scan# 3597
Delta R.T. -0.011 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

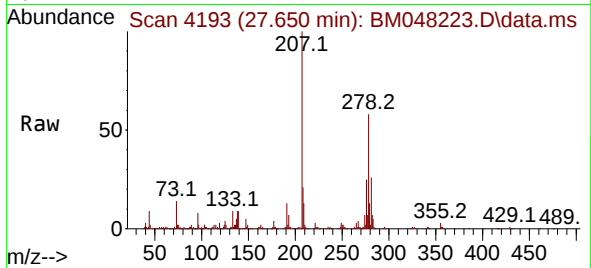
Tgt Ion:252 Resp: 227945
Ion Ratio Lower Upper
252 100
253 21.5 17.3 25.9
125 11.7 8.8 13.2





#91
Dibenzo(a,h)anthracene
Concen: 3.309 ng
RT: 27.650 min Scan# 4193
Delta R.T. -0.023 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

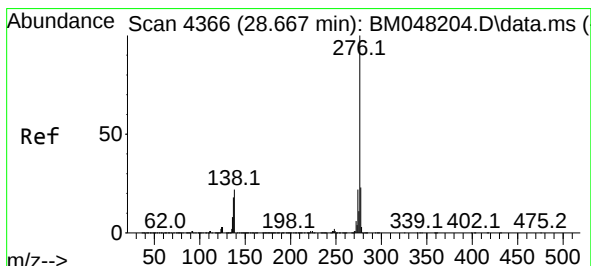
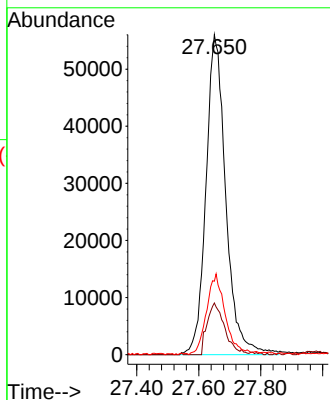
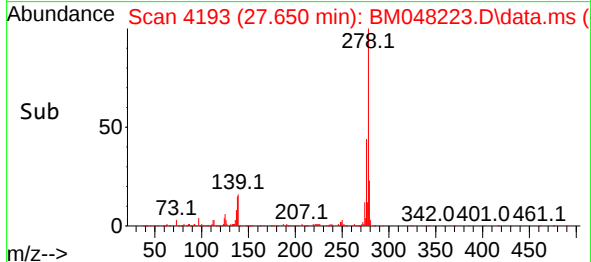
Instrument :
BNA_M
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2024



Tgt Ion:278 Resp: 24928
Ion Ratio Lower Upper
278 100
139 16.2 12.2 18.4
279 22.9 19.0 28.6

Manual Integrations
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#92
Benzo(g,h,i)perylene
Concen: 3.123 ng
RT: 28.639 min Scan# 4361
Delta R.T. -0.029 min
Lab File: BM048223.D
Acq: 24 Oct 2024 19:07

Tgt Ion:276 Resp: 240917
Ion Ratio Lower Upper
276 100
277 23.8 18.5 27.7
138 22.0 17.5 26.3

