

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102424\
 Data File : BM048219.D
 Acq On : 24 Oct 2024 16:29
 Operator : RC/JU
 Sample : P4368-02
 Misc : LOQ-SOIL-10 ng
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024

Quant Time: Oct 24 17:17:16 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	147193	20.000	ng	0.00
21) Naphthalene-d8	10.510	136	597677	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	374215	20.000	ng	0.00
64) Phenanthrene-d10	17.104	188	752639	20.000	ng	0.00
76) Chrysene-d12	21.333	240	711579	20.000	ng	0.00
86) Perylene-d12	24.286	264	762405	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.305	112	773876	88.377	ng	0.00
7) Phenol-d6	6.899	99	1010131	88.578	ng	0.00
23) Nitrobenzene-d5	8.875	82	656183	61.990	ng	0.00
42) 2,4,6-Tribromophenol	15.857	330	396522	86.569	ng	0.00
45) 2-Fluorobiphenyl	12.980	172	1527193	62.624	ng	0.00
79) Terphenyl-d14	19.733	244	2084807	59.790	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.205	88	47133	13.149	ng	99
3) Pyridine	3.610	79	105019	11.029	ng	97
4) n-Nitrosodimethylamine	3.516	42	50129	12.400	ng	# 97
6) Aniline	7.051	93	146640	15.491	ng	97
8) 2-Chlorophenol	7.287	128	119286	12.539	ng	98
9) Benzaldehyde	6.863	77	91984m	16.417	ng	
10) Phenol	6.922	94	144433	12.589	ng	97
11) bis(2-Chloroethyl)ether	7.146	93	114508	12.530	ng	98
12) 1,3-Dichlorobenzene	7.610	146	135749	12.377	ng	98
13) 1,4-Dichlorobenzene	7.757	146	138994	12.474	ng	96
14) 1,2-Dichlorobenzene	8.069	146	133626	12.409	ng	96
15) Benzyl Alcohol	7.969	79	87049	11.965	ng	100
16) 2,2'-oxybis(1-Chloropr...	8.240	45	177404	13.272	ng	98
17) 2-Methylphenol	8.169	107	86549	11.352	ng	97
18) Hexachloroethane	8.793	117	49007	12.000	ng	95
19) n-Nitroso-di-n-propyla...	8.528	70	86534	11.994	ng	99
20) 3+4-Methylphenols	8.498	107	117647	11.139	ng	99
22) Acetophenone	8.540	105	179504	12.306	ng	# 99
24) Nitrobenzene	8.916	77	125585	11.451	ng	98
25) Isophorone	9.445	82	232813	11.999	ng	99
26) 2-Nitrophenol	9.634	139	55075	10.876	ng	95
27) 2,4-Dimethylphenol	9.698	122	50720	8.255	ng	98
28) bis(2-Chloroethoxy)met...	9.928	93	144138	11.739	ng	99
29) 2,4-Dichlorophenol	10.175	162	101575	11.493	ng	97
30) 1,2,4-Trichlorobenzene	10.375	180	120524	11.907	ng	100
31) Naphthalene	10.557	128	369740	11.861	ng	99
32) Benzoic acid	9.804	122	76911	11.246	ng	97
33) 4-Chloroaniline	10.681	127	128986	12.758	ng	99
34) Hexachlorobutadiene	10.845	225	70889	11.300	ng	94
35) Caprolactam	11.451	113	30073	10.475	ng	96
36) 4-Chloro-3-methylphenol	11.810	107	101163	10.965	ng	96
37) 2-Methylnaphthalene	12.175	142	244594	11.744	ng	98
38) 1-Methylnaphthalene	12.398	142	230489	11.160	ng	99
40) 1,2,4,5-Tetrachloroben...	12.551	216	132276	12.367	ng	100
41) Hexachlorocyclopentadiene	12.528	237	47125	13.020	ng	96
43) 2,4,6-Trichlorophenol	12.798	196	82231	11.585	ng	97

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.875	196	88293	11.155	ng	98
46) 1,1'-Biphenyl	13.192	154	332845	12.458	ng	99
47) 2-Chloronaphthalene	13.233	162	249173	11.828	ng	99
48) 2-Nitroaniline	13.445	65	62545	10.947	ng	96
49) Acenaphthylene	14.086	152	396573	12.903	ng	99
50) Dimethylphthalate	13.822	163	308118	12.061	ng	98
51) 2,6-Dinitrotoluene	13.939	165	61248	10.745	ng	93
52) Acenaphthene	14.427	154	230135	11.785	ng	99
53) 3-Nitroaniline	14.275	138	59717	11.109	ng	96
54) 2,4-Dinitrophenol	14.492	184	31611	9.490	ng	93
55) Dibenzofuran	14.763	168	378135	12.188	ng	99
56) 4-Nitrophenol	14.604	139	45187	9.419	ng	98
57) 2,4-Dinitrotoluene	14.739	165	79401	10.548	ng	99
58) Fluorene	15.410	166	297809	12.139	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.998	232	78263	11.929	ng	99
60) Diethylphthalate	15.186	149	300709	11.626	ng	99
61) 4-Chlorophenyl-phenyle...	15.410	204	148038	12.068	ng	96
62) 4-Nitroaniline	15.439	138	54048	9.715	ng	92
63) Azobenzene	15.698	77	281788	12.155	ng	100
65) 4,6-Dinitro-2-methylph...	15.504	198	52005	11.909	ng	98
66) n-Nitrosodiphenylamine	15.621	169	247308	11.970	ng	99
67) 4-Bromophenyl-phenylether	16.304	248	89924	11.784	ng	96
68) Hexachlorobenzene	16.416	284	108596	11.849	ng	99
69) Atrazine	16.574	200	83318	14.412	ng	99
70) Pentachlorophenol	16.763	266	94243	15.662	ng	97
71) Phenanthrene	17.151	178	458475	12.302	ng	99
72) Anthracene	17.239	178	428917	11.889	ng	100
73) Carbazole	17.515	167	412314	11.658	ng	99
74) Di-n-butylphthalate	18.074	149	500626	11.372	ng	100
75) Fluoranthene	19.162	202	517716	11.645	ng	99
77) Benzidine	19.362	184	105428m	12.838	ng	
78) Pyrene	19.527	202	551252	11.574	ng	99
80) Butylbenzylphthalate	20.427	149	219089	11.000	ng	97
81) Benzo(a)anthracene	21.315	228	546384	12.016	ng	100
82) 3,3'-Dichlorobenzidine	21.245	252	185855	11.933	ng	99
83) Chrysene	21.374	228	536097	12.283	ng	100
84) Bis(2-ethylhexyl)phtha...	21.239	149	337099	11.645	ng	100
85) Di-n-octyl phthalate	22.350	149	537913	10.729	ng	100
87) Indeno(1,2,3-cd)pyrene	27.603	276	644296	12.780	ng	99
88) Benzo(b)fluoranthene	23.350	252	540071	12.355	ng	100
89) Benzo(k)fluoranthene	23.415	252	563528	13.333	ng	99
90) Benzo(a)pyrene	24.144	252	493677	12.990	ng	98
91) Dibenzo(a,h)anthracene	27.656	278	530967	12.647	ng	99
92) Benzo(g,h,i)perylene	28.638	276	512134	11.913	ng	98

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

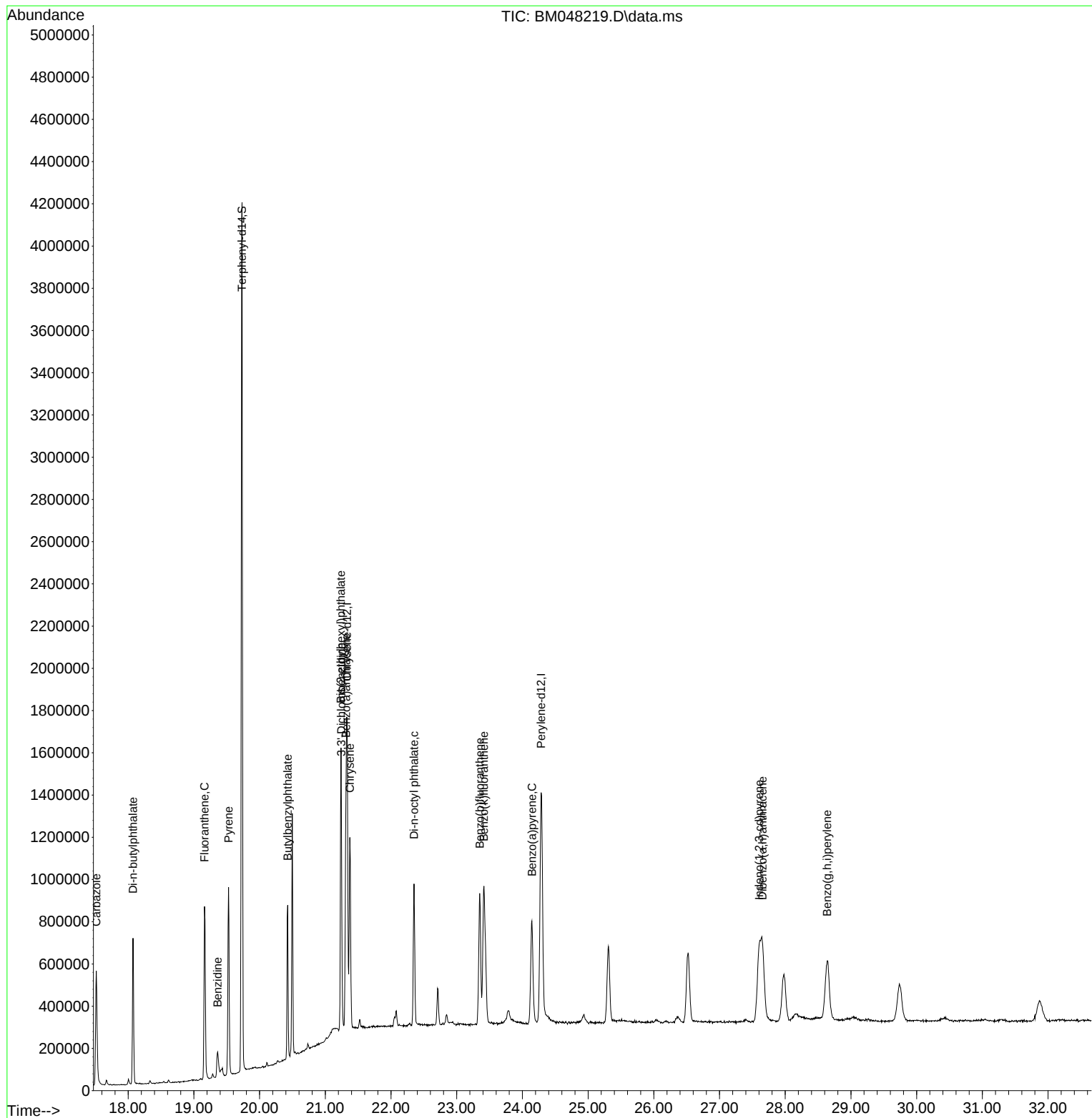
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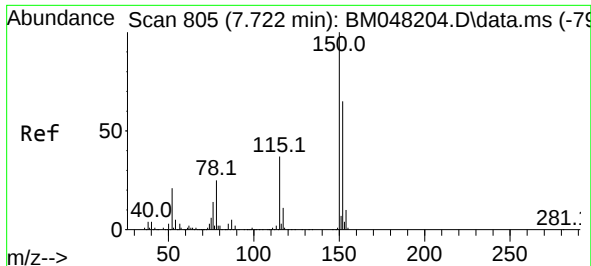
Instrument :
BNA_M
ClientSampleId :
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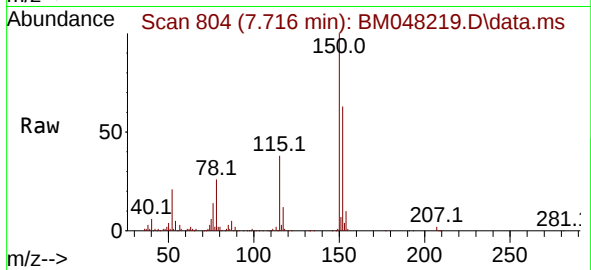
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.716 min Scan# 805
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

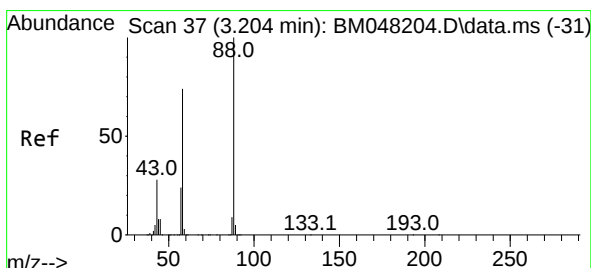
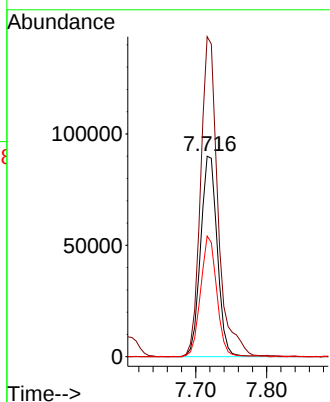
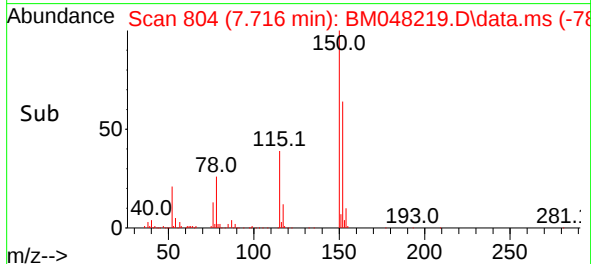
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:152 Resp: 147193
Ion Ratio Lower Upper
152 100
150 159.5 123.0 184.6
115 60.1 45.8 68.6

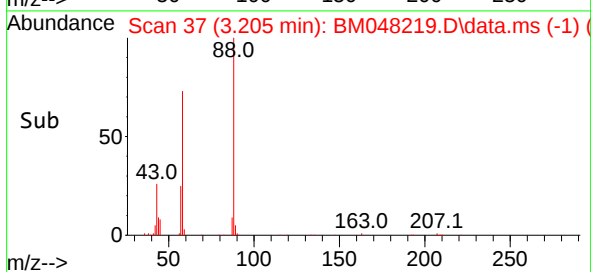
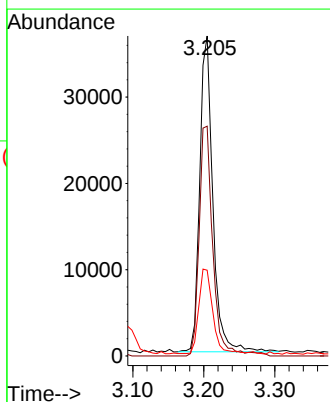
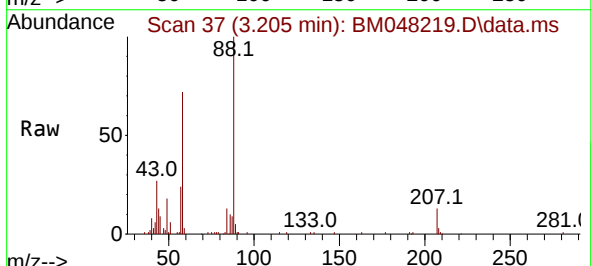
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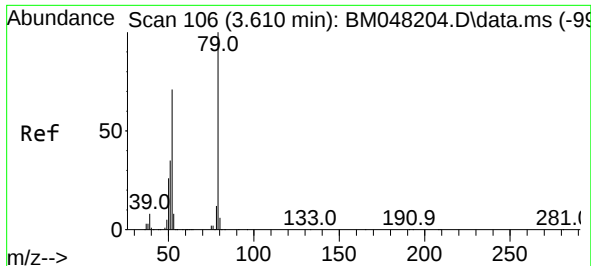
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#2
1,4-Dioxane
Concen: 13.149 ng
RT: 3.205 min Scan# 37
Delta R.T. 0.000 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

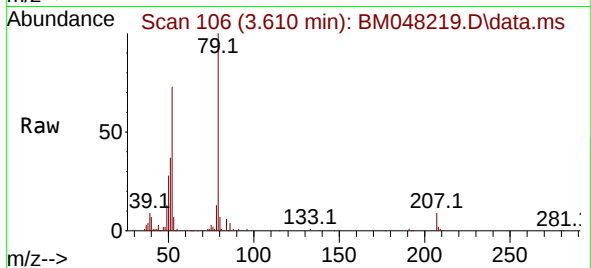
Tgt Ion: 88 Resp: 47133
Ion Ratio Lower Upper
88 100
58 76.2 59.7 89.5
43 28.3 22.6 33.8





#3
Pyridine
Concen: 11.029 ng
RT: 3.610 min Scan# 106
Delta R.T. 0.000 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

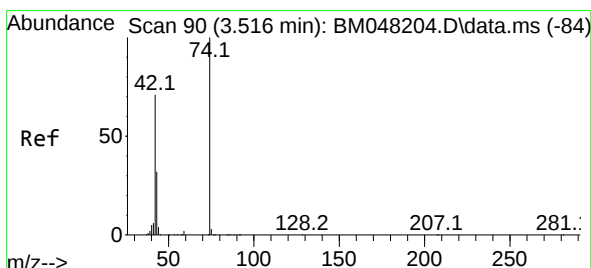
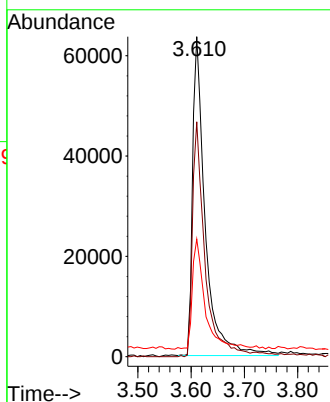
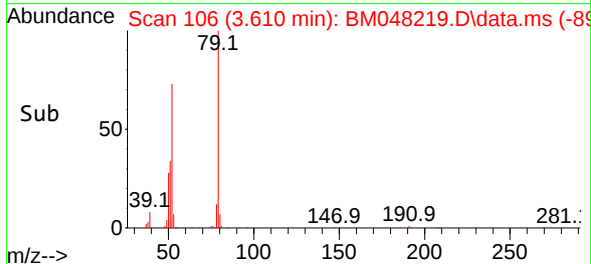
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



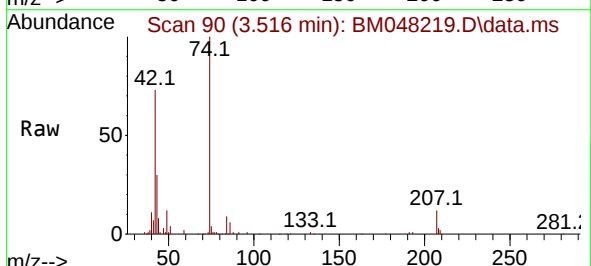
Tgt Ion: 79 Resp: 105019
Ion Ratio Lower Upper
79 100
52 73.4 56.5 84.7
51 36.8 28.5 42.7

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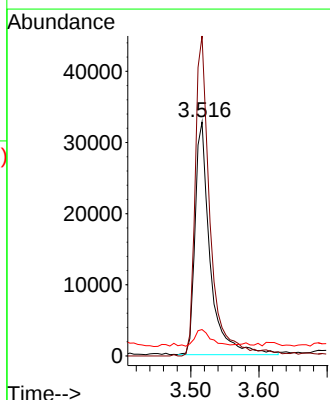
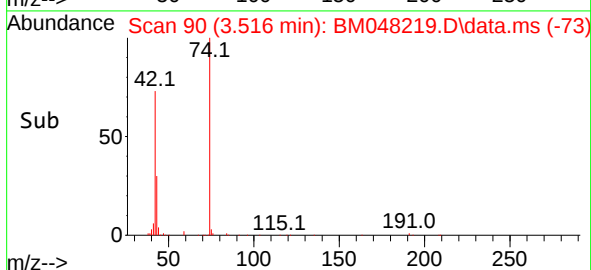
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

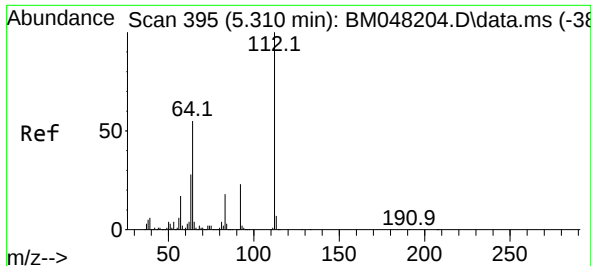


#4
n-Nitrosodimethylamine
Concen: 12.400 ng
RT: 3.516 min Scan# 90
Delta R.T. 0.000 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29



Tgt Ion: 42 Resp: 50129
Ion Ratio Lower Upper
42 100
74 136.8 111.8 167.6
44 11.3 6.0 9.0





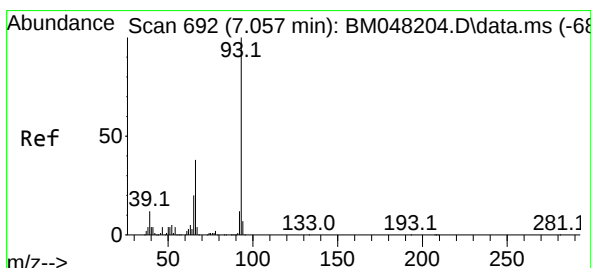
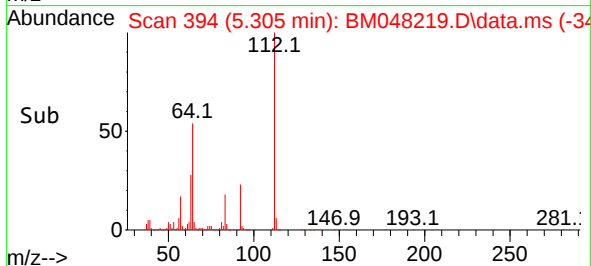
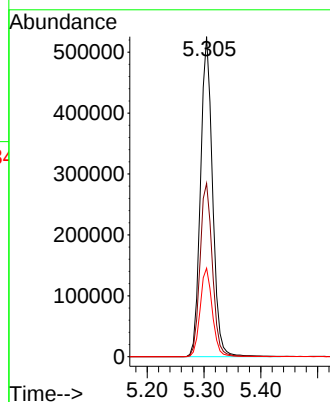
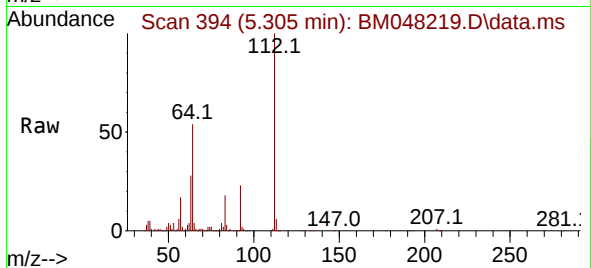
#5
2-Fluorophenol
Concen: 88.377 ng
RT: 5.305 min Scan# 395
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:112 Resp: 773870
Ion Ratio Lower Upper
112 100
64 54.1 44.2 66.2
63 27.7 22.7 34.1

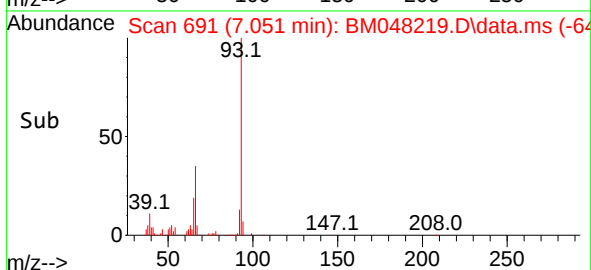
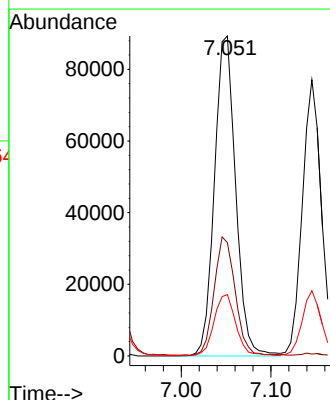
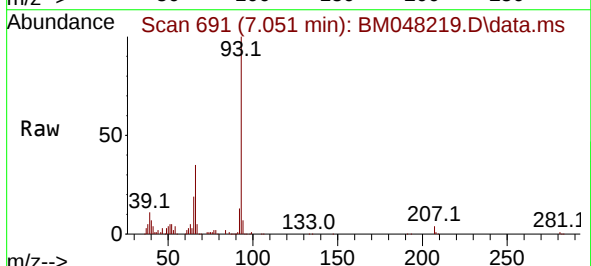
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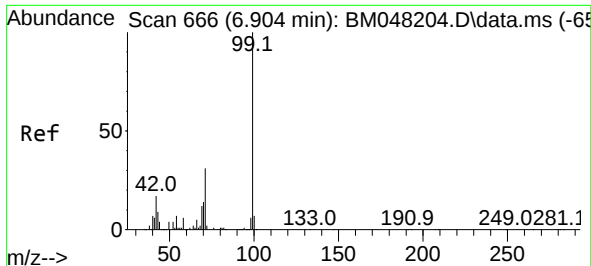
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#6
Aniline
Concen: 15.491 ng
RT: 7.051 min Scan# 691
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

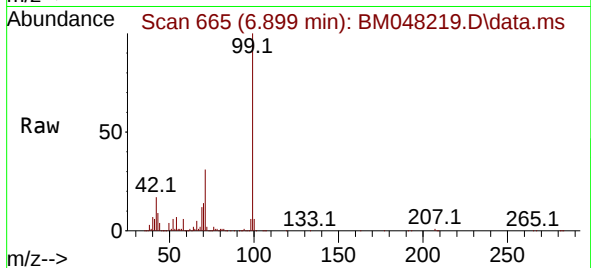
Tgt Ion: 93 Resp: 146640
Ion Ratio Lower Upper
93 100
66 35.4 30.2 45.2
65 19.2 16.2 24.2





#7
Phenol-d6
Concen: 88.578 ng
RT: 6.899 min Scan# 610
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

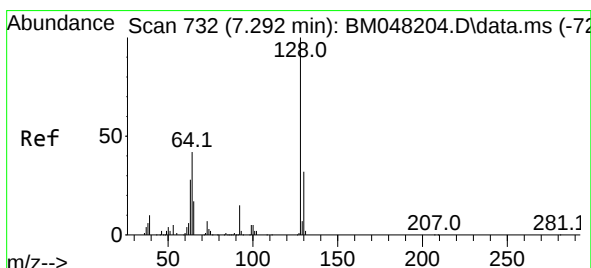
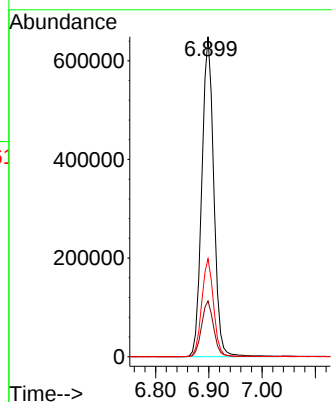
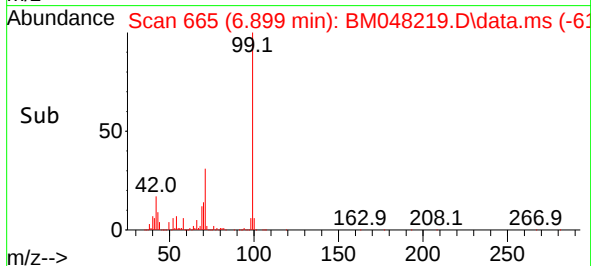
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 99 Resp: 101013
Ion Ratio Lower Upper
99 100
42 17.4 13.8 20.8
71 30.6 24.9 37.3

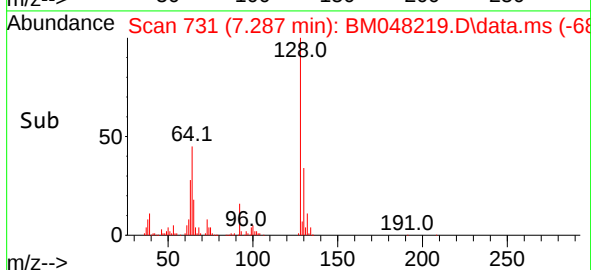
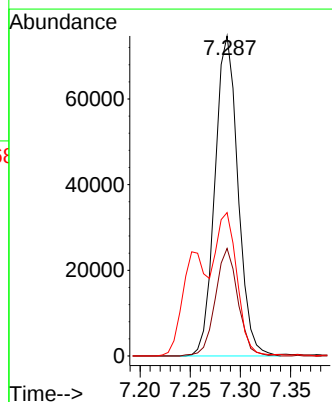
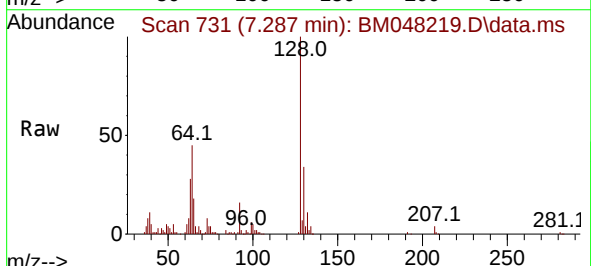
Manual Integrations
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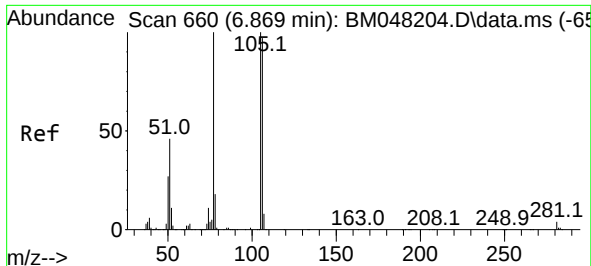
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#8
2-Chlorophenol
Concen: 12.539 ng
RT: 7.287 min Scan# 731
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

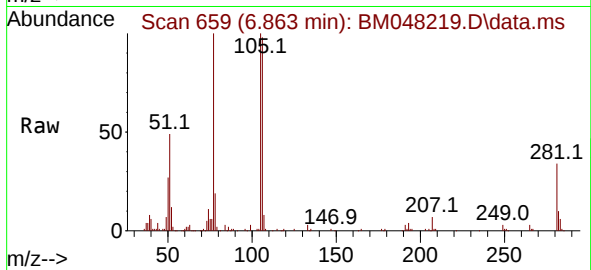
Tgt Ion:128 Resp: 119286
Ion Ratio Lower Upper
128 100
130 33.6 12.1 52.1
64 44.8 23.8 63.8





#9
Benzaldehyde
Concen: 16.417 ng m
RT: 6.863 min Scan# 610
Delta R.T. -0.006 min
Lab File: BM048219.D
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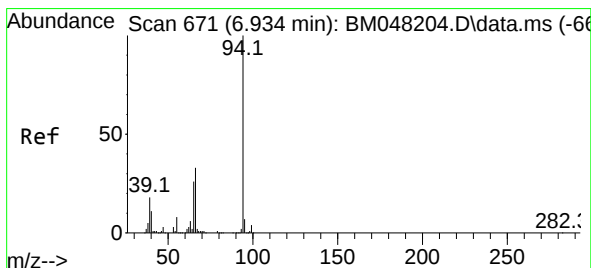
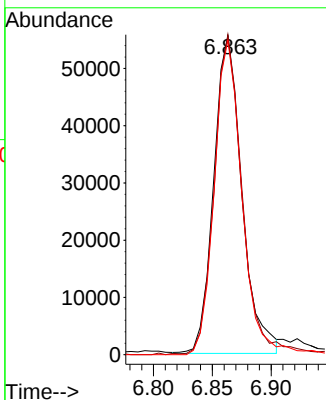
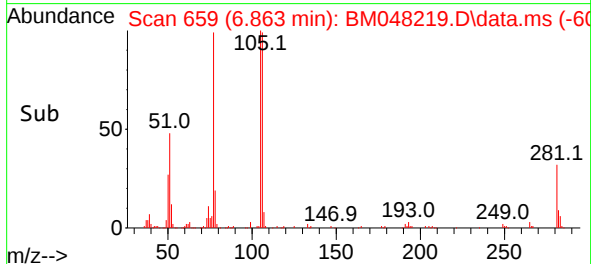
Instrument :
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Tgt Ion: 77 Resp: 91984
Ion Ratio Lower Upper
77 100
105 100.5 79.6 119.6
106 98.7 77.0 117.0

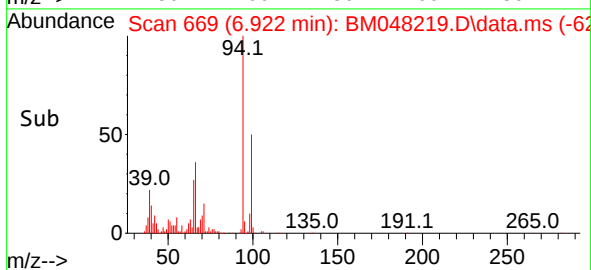
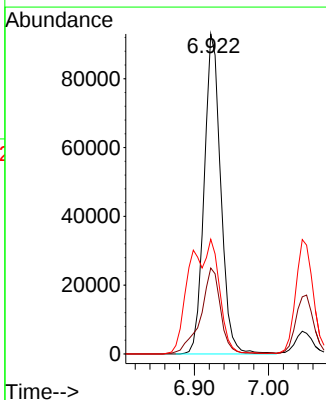
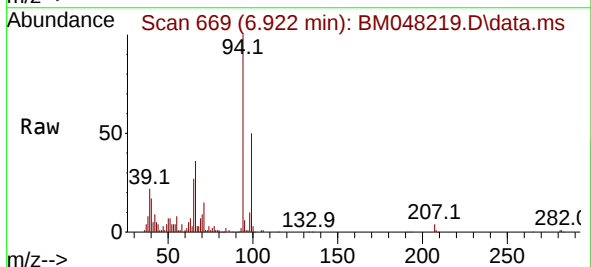
Manual Integrations
APPROVED

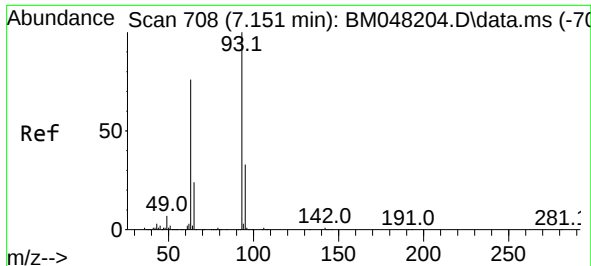
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#10
Phenol
Concen: 12.589 ng
RT: 6.922 min Scan# 669
Delta R.T. -0.012 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Tgt Ion: 94 Resp: 144433
Ion Ratio Lower Upper
94 100
65 26.9 6.5 46.5
66 35.9 13.6 53.6





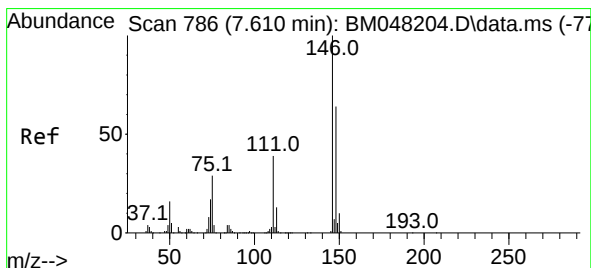
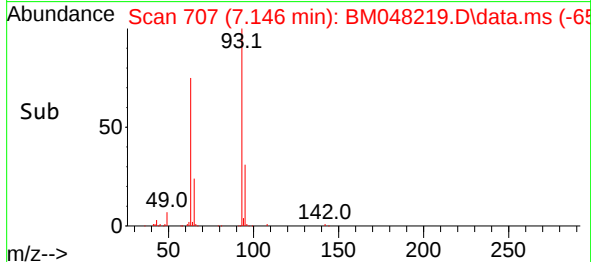
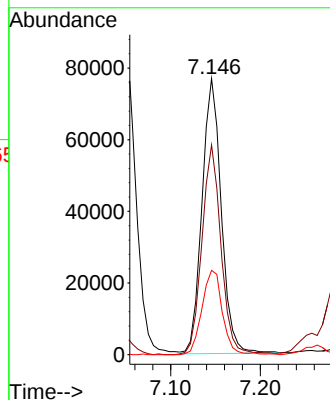
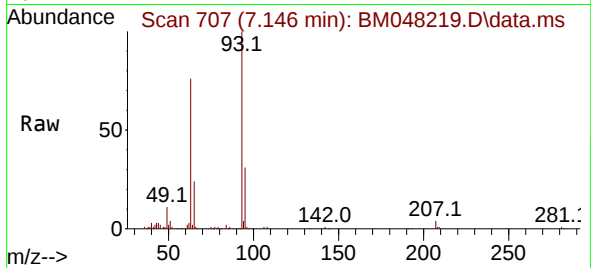
#11
bis(2-Chloroethyl)ether
Concen: 12.530 ng
RT: 7.146 min Scan# 708
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion: 93 Resp: 114508
Ion Ratio Lower Upper
93 100
63 75.9 55.3 95.3
95 30.5 12.4 52.4

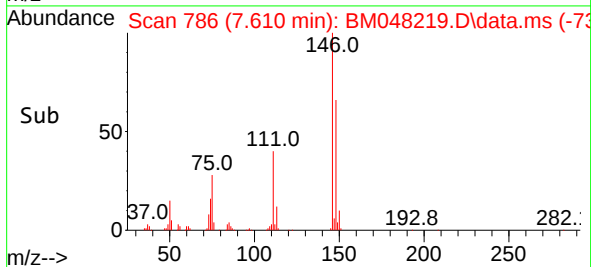
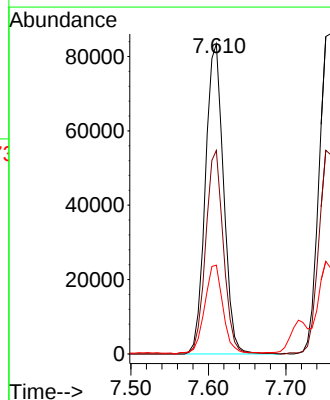
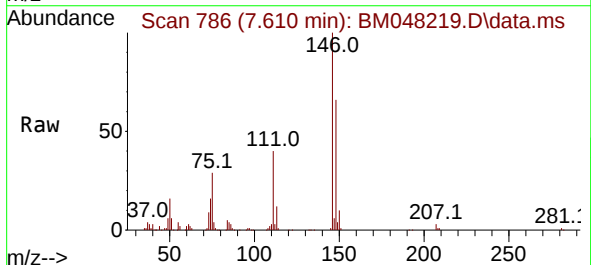
Manual Integrations
APPROVED

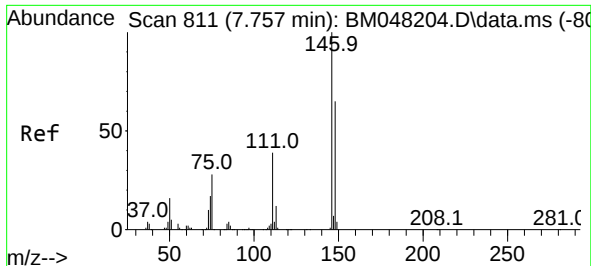
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#12
1,3-Dichlorobenzene
Concen: 12.377 ng
RT: 7.610 min Scan# 786
Delta R.T. 0.000 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Tgt Ion:146 Resp: 135749
Ion Ratio Lower Upper
146 100
148 65.6 51.0 76.6
75 28.7 22.9 34.3





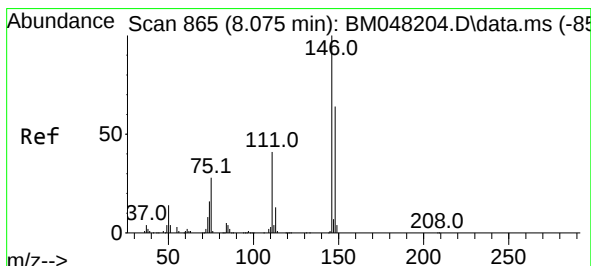
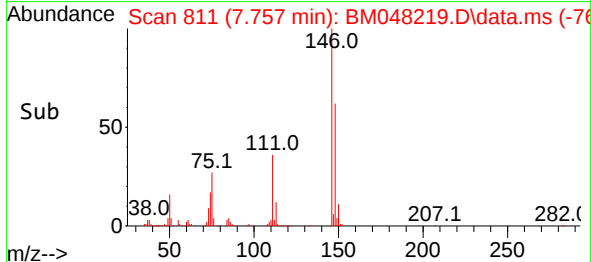
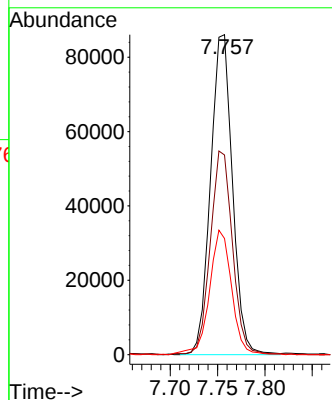
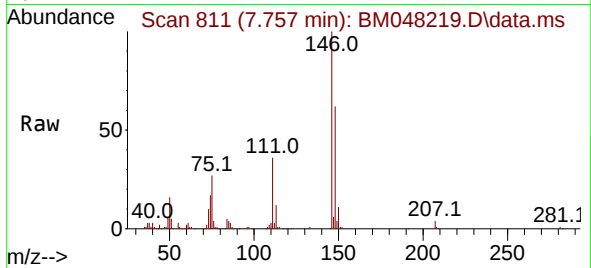
#13
1,4-Dichlorobenzene
Concen: 12.474 ng
RT: 7.757 min Scan# 811
Delta R.T. 0.000 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:146 Resp: 138994
Ion Ratio Lower Upper
146 100
148 62.4 51.7 77.5
111 36.3 31.4 47.2

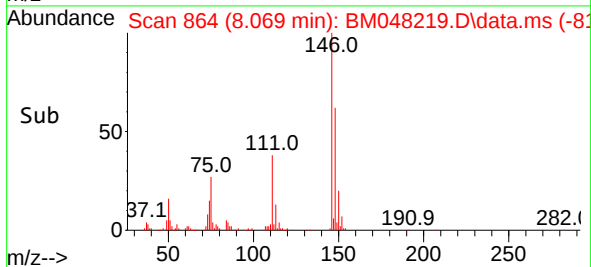
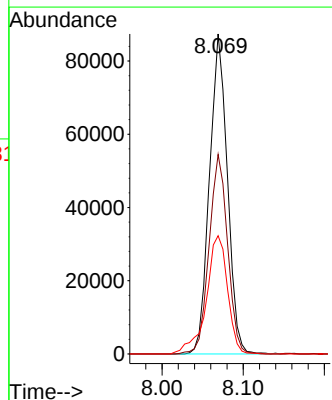
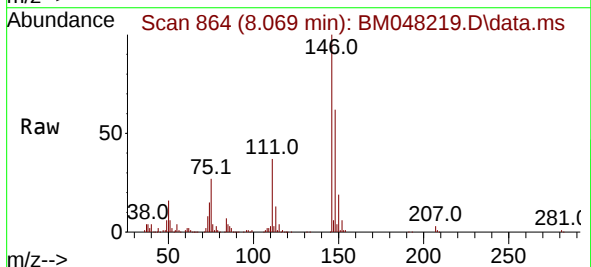
Manual Integrations
APPROVED

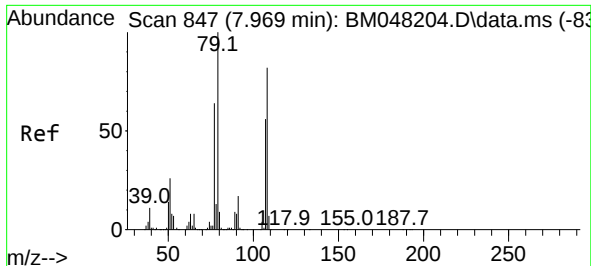
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#14
1,2-Dichlorobenzene
Concen: 12.409 ng
RT: 8.069 min Scan# 864
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Tgt Ion:146 Resp: 133626
Ion Ratio Lower Upper
146 100
148 62.3 51.3 76.9
111 37.0 32.7 49.1





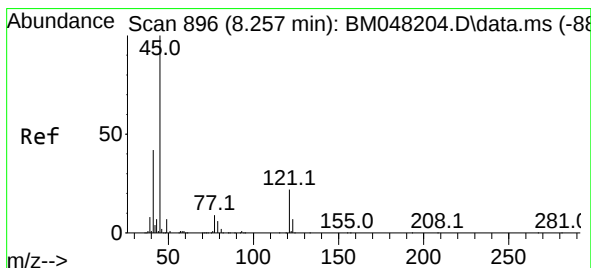
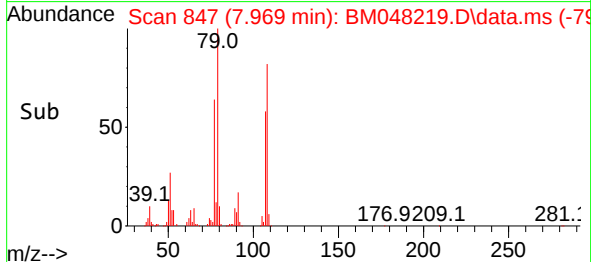
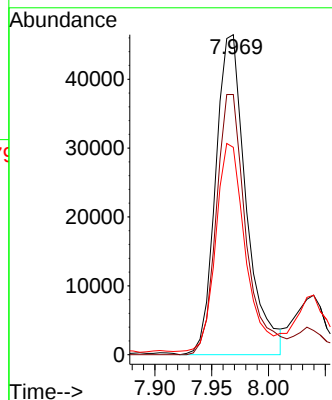
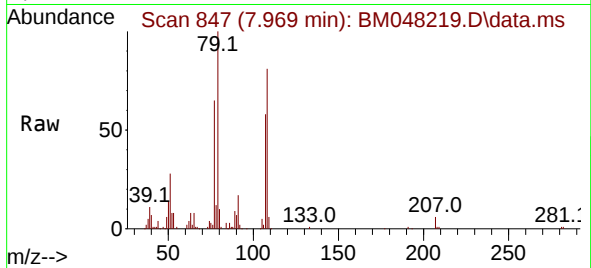
#15
Benzyl Alcohol
Concen: 11.965 ng
RT: 7.969 min Scan# 847
Delta R.T. 0.000 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion: 79 Resp: 87049
Ion Ratio Lower Upper
79 100
108 81.3 65.2 97.8
77 64.8 51.4 77.2

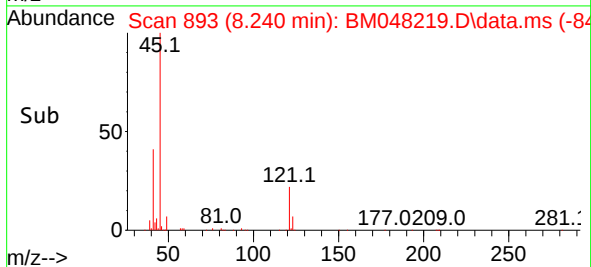
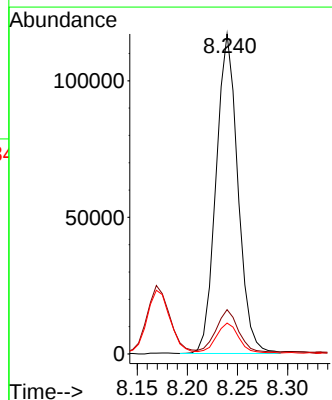
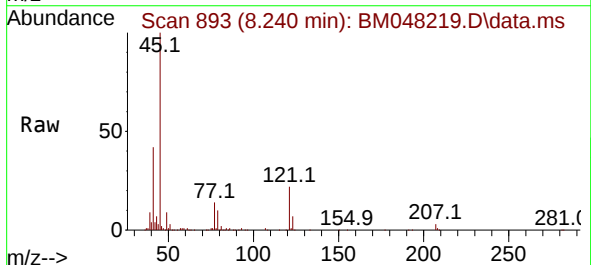
Manual Integrations
APPROVED

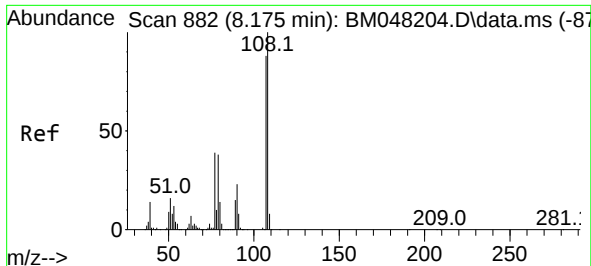
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 13.272 ng
RT: 8.240 min Scan# 893
Delta R.T. -0.017 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

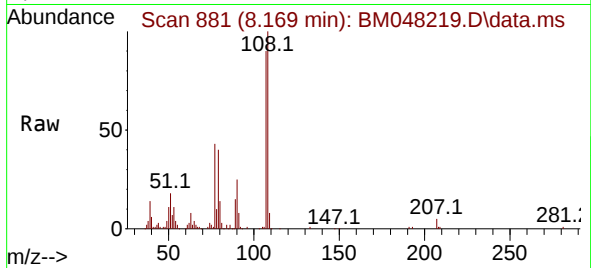
Tgt Ion: 45 Resp: 177404
Ion Ratio Lower Upper
45 100
77 13.8 0.0 34.2
79 9.6 0.0 30.7





#17
2-Methylphenol
Concen: 11.352 ng
RT: 8.169 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

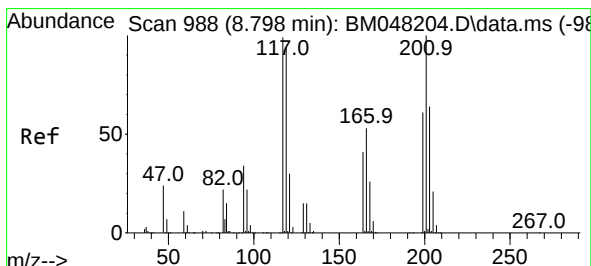
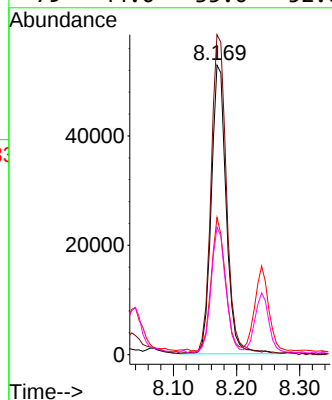
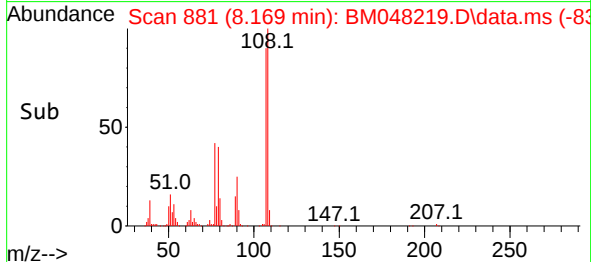
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:	107	Resp:	86549
Ion	Ratio	Lower	Upper
107	100		
108	110.6	91.3	136.9
77	47.4	36.2	54.2
79	44.0	35.0	52.6

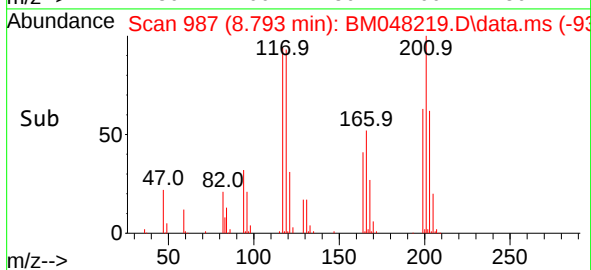
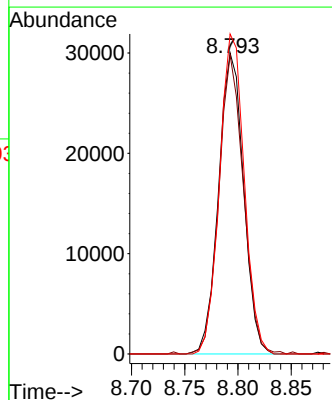
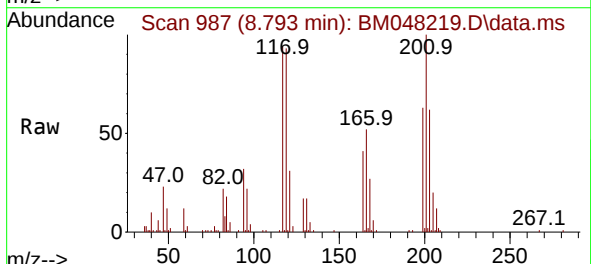
Manual Integrations
APPROVED

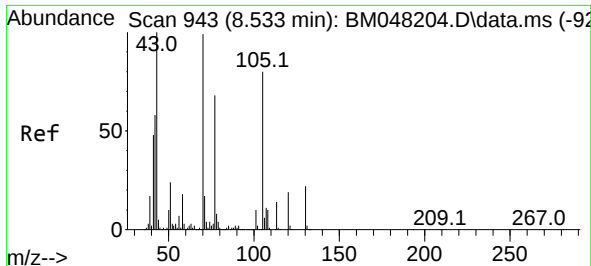
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#18
Hexachloroethane
Concen: 12.000 ng
RT: 8.793 min Scan# 987
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

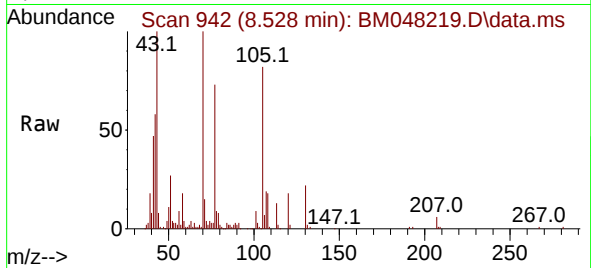
Tgt Ion:	117	Resp:	49007
Ion	Ratio	Lower	Upper
117	100		
119	99.4	76.5	114.7
201	106.4	80.9	121.3





#19
n-Nitroso-di-n-propylamine
Concen: 11.994 ng
RT: 8.528 min Scan# 943
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

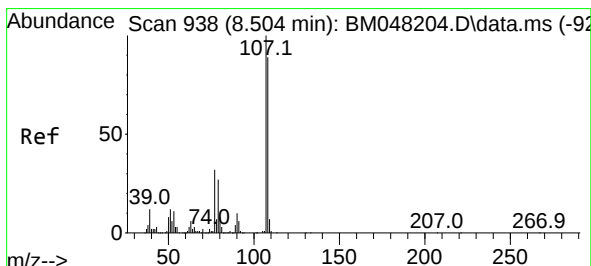
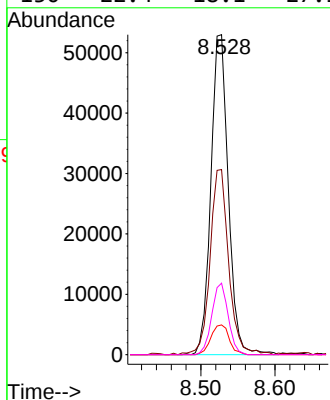
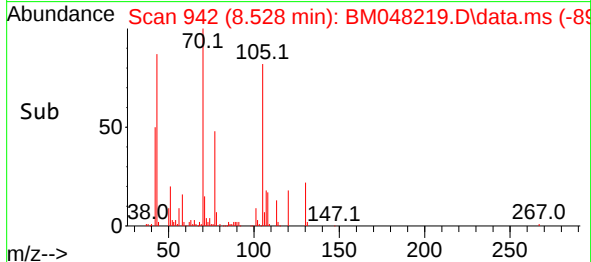
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



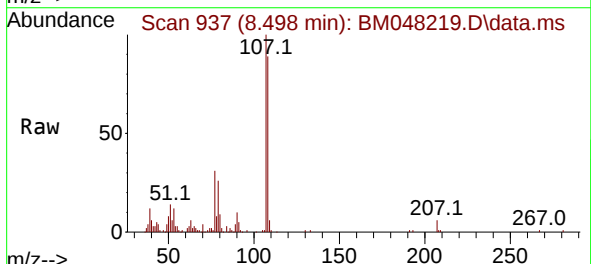
Tgt Ion: 70 Resp: 86534
Ion Ratio Lower Upper
70 100
42 57.9 47.0 70.6
101 9.3 7.8 11.6
130 22.4 18.1 27.1

Manual Integrations
APPROVED

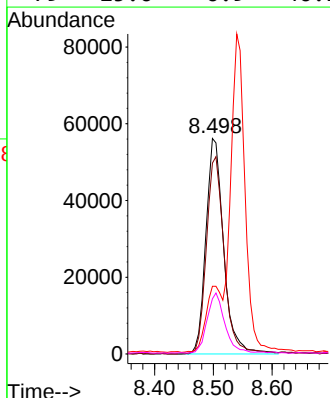
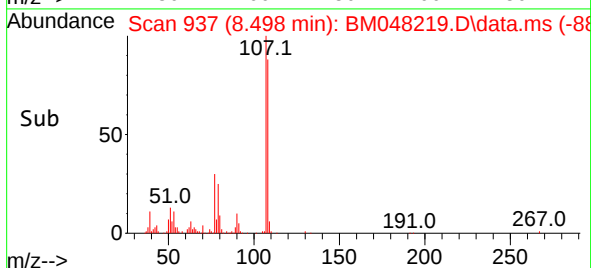
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

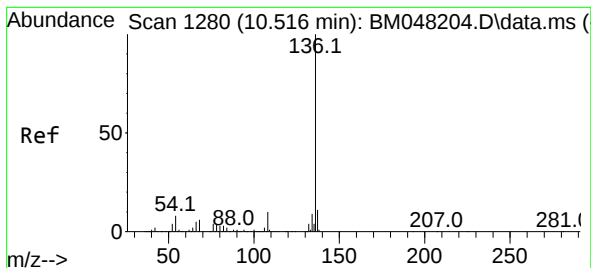


#20
3+4-Methylphenols
Concen: 11.139 ng
RT: 8.498 min Scan# 937
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29



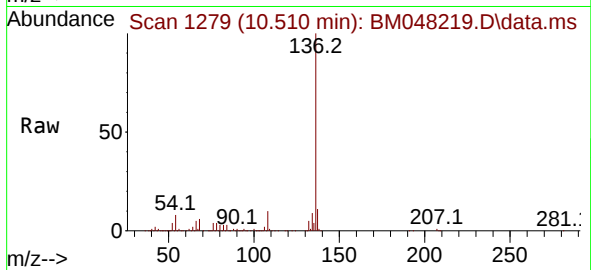
Tgt Ion:107 Resp: 117647
Ion Ratio Lower Upper
107 100
108 88.5 69.0 109.0
77 31.4 12.3 52.3
79 25.6 6.9 46.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.510 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

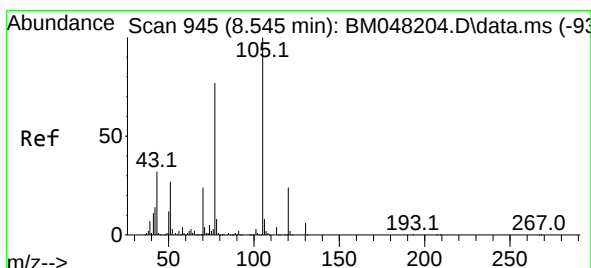
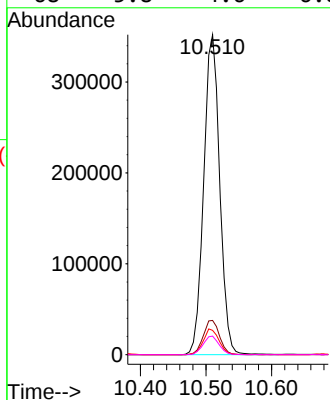
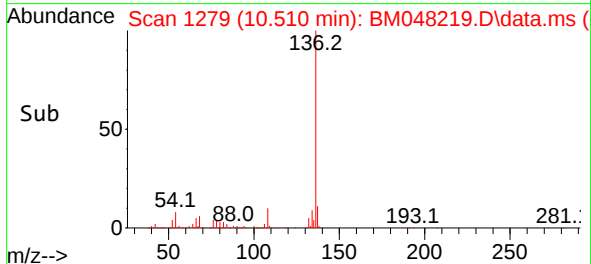
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:136 Resp: 59767
Ion Ratio Lower Upper
136 100
137 10.7 8.9 13.3
54 7.6 6.5 9.7
68 5.8 4.6 6.8

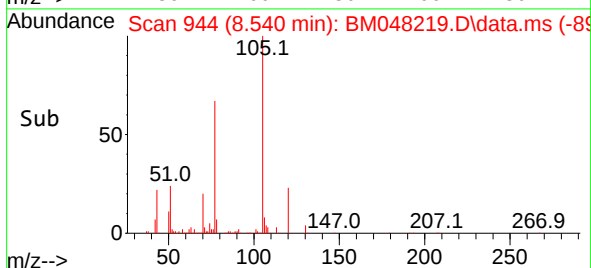
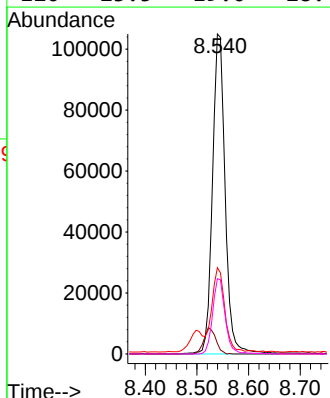
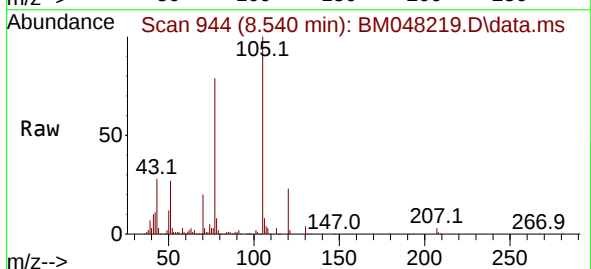
Manual Integrations
APPROVED

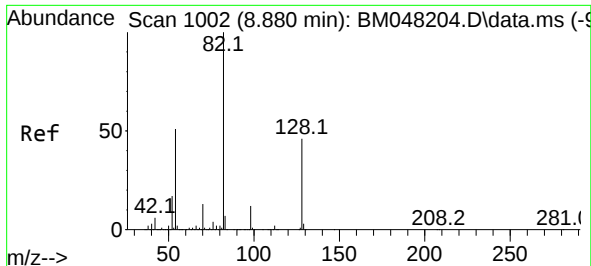
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#22
Acetophenone
Concen: 12.306 ng
RT: 8.540 min Scan# 944
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Tgt Ion:105 Resp: 179504
Ion Ratio Lower Upper
105 100
71 3.3 3.4 5.0#
51 27.0 21.7 32.5
120 23.5 19.0 28.4





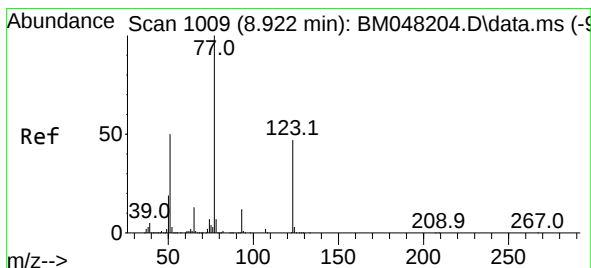
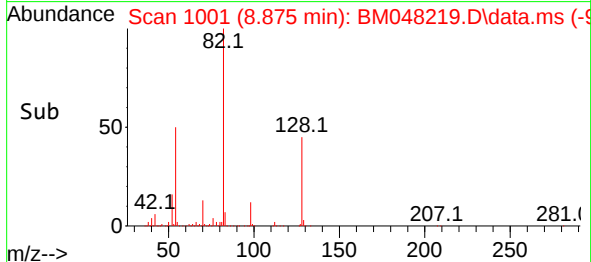
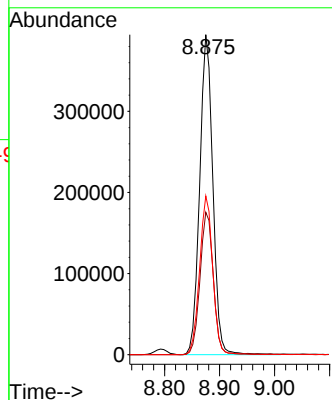
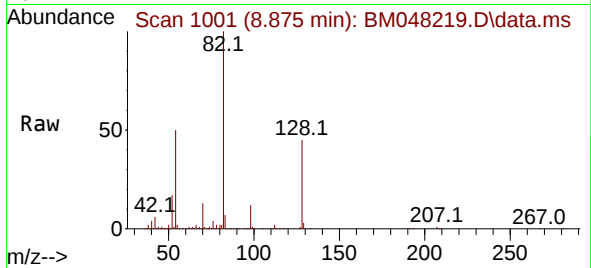
#23
Nitrobenzene-d5
Concen: 61.990 ng
RT: 8.875 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion: 82 Resp: 65618
Ion Ratio Lower Upper
82 100
128 44.5 36.6 54.8
54 49.6 41.0 61.4

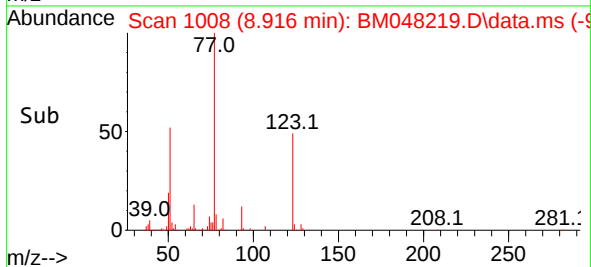
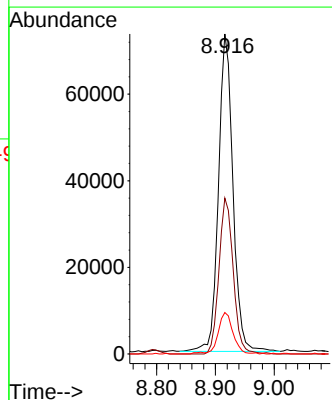
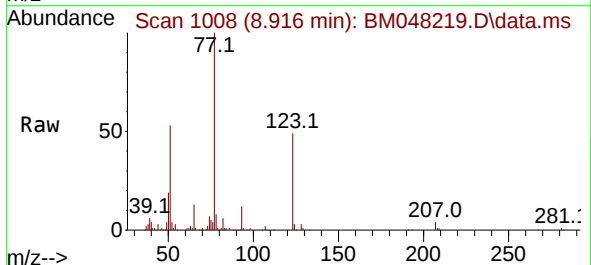
Manual Integrations
APPROVED

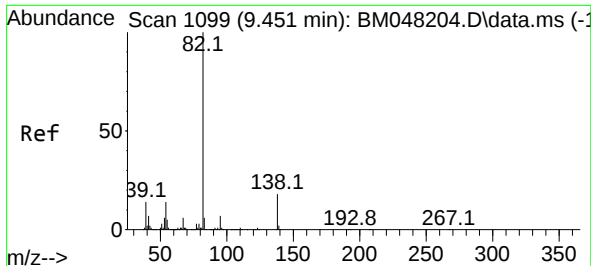
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#24
Nitrobenzene
Concen: 11.451 ng
RT: 8.916 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

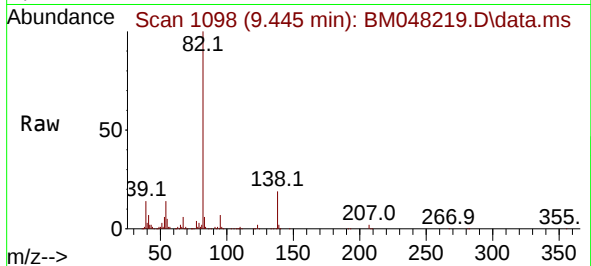
Tgt Ion: 77 Resp: 125585
Ion Ratio Lower Upper
77 100
123 48.7 37.8 56.6
65 13.0 10.4 15.6





#25
Isophorone
Concen: 11.999 ng
RT: 9.445 min Scan# 1099
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

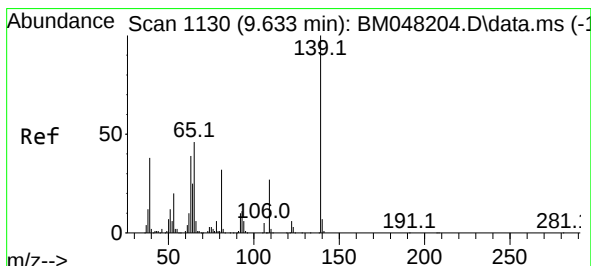
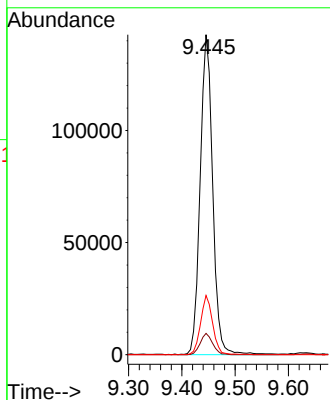
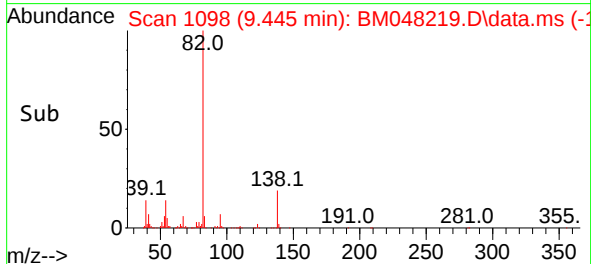
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 82 Resp: 23281
Ion Ratio Lower Upper
82 100
95 6.7 5.3 7.9
138 18.5 14.3 21.5

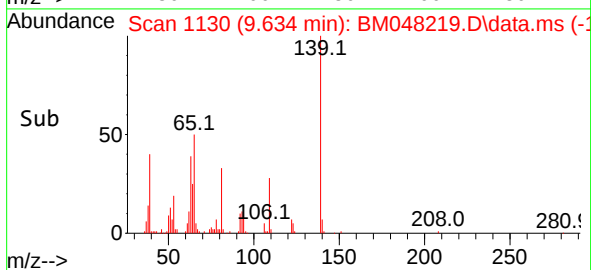
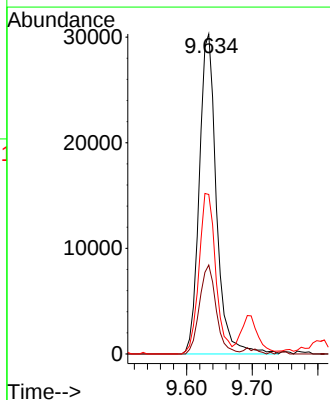
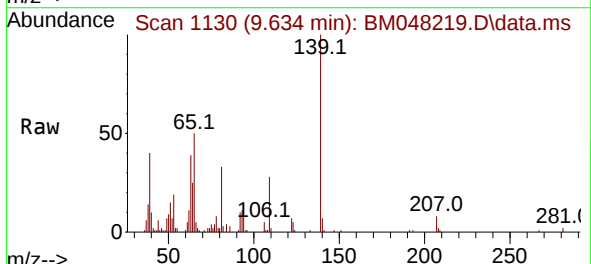
Manual Integrations
APPROVED

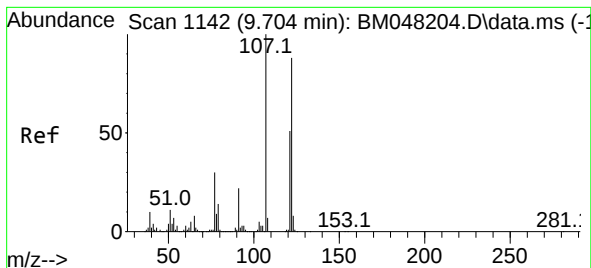
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#26
2-Nitrophenol
Concen: 10.876 ng
RT: 9.634 min Scan# 1130
Delta R.T. 0.000 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Tgt Ion:139 Resp: 55075
Ion Ratio Lower Upper
139 100
109 27.8 21.2 31.8
65 49.8 36.8 55.2





#27

2,4-Dimethylphenol

Concen: 8.255 ng

RT: 9.698 min Scan# 1141

Delta R.T. -0.006 min

Lab File: BM048219.D

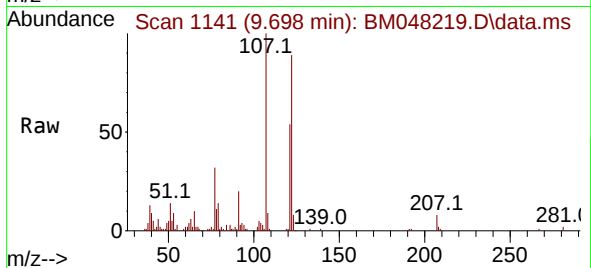
Acq: 24 Oct 2024 16:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024



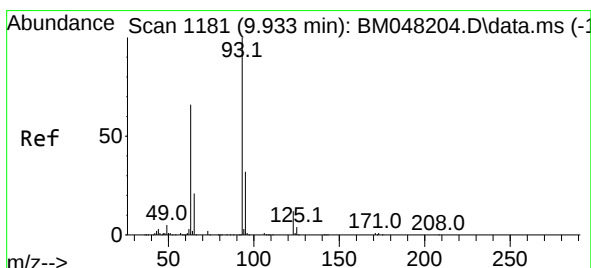
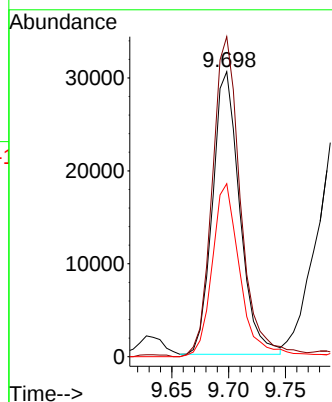
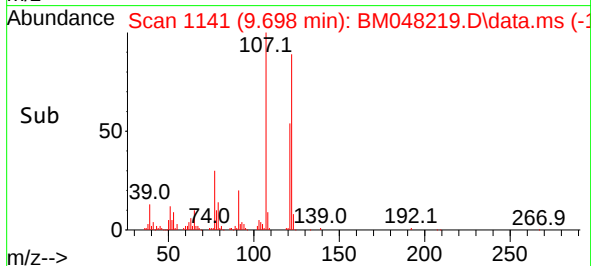
Tgt Ion:	122	Resp:	50720
Ion	Ratio	Lower	Upper
122	100		
107	112.3	91.0	136.6
121	60.7	46.1	69.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#28

bis(2-Chloroethoxy)methane

Concen: 11.739 ng

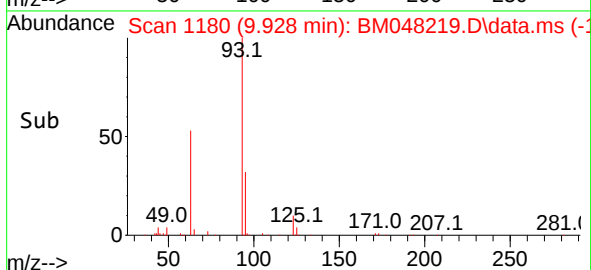
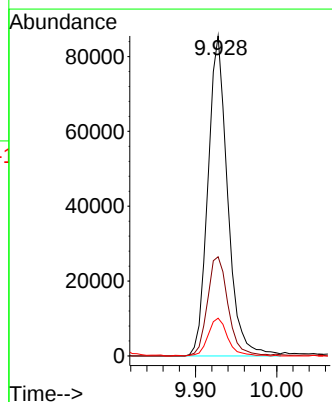
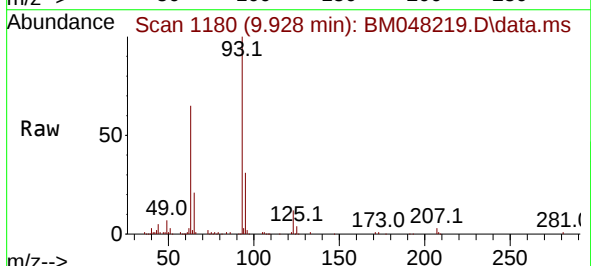
RT: 9.928 min Scan# 1180

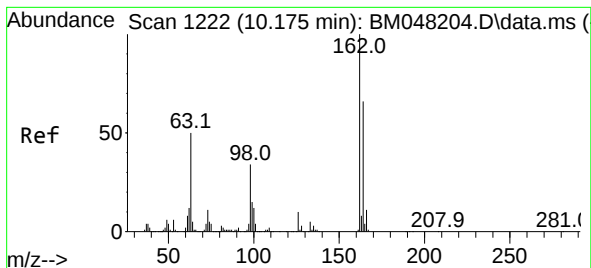
Delta R.T. -0.006 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

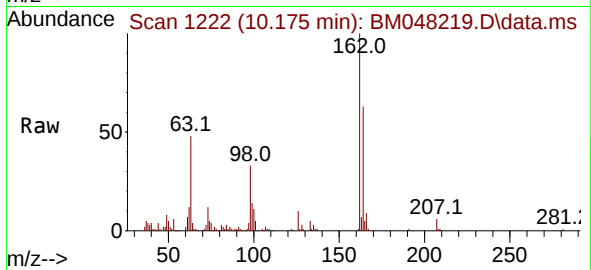
Tgt Ion:	93	Resp:	144138
Ion	Ratio	Lower	Upper
93	100		
95	31.0	25.3	37.9
123	11.8	9.8	14.6





#29
2,4-Dichlorophenol
Concen: 11.493 ng
RT: 10.175 min Scan# 1222
Delta R.T. 0.000 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

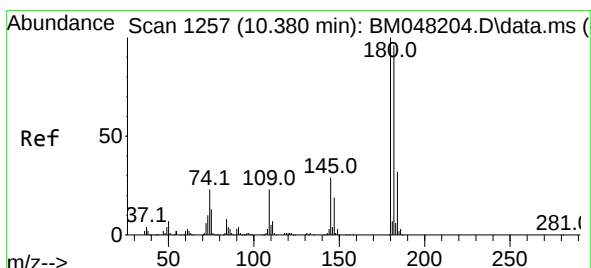
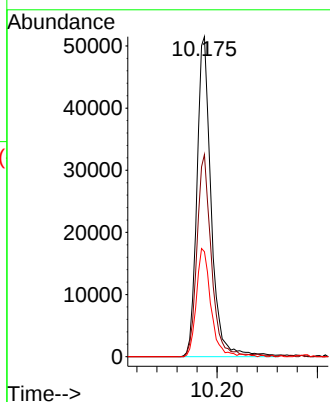
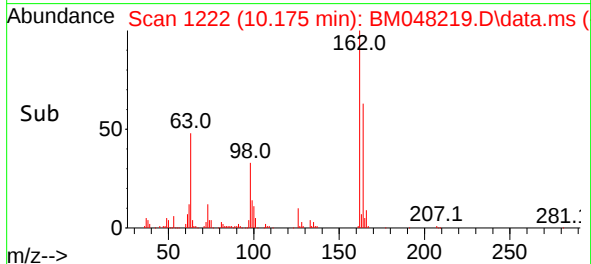
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



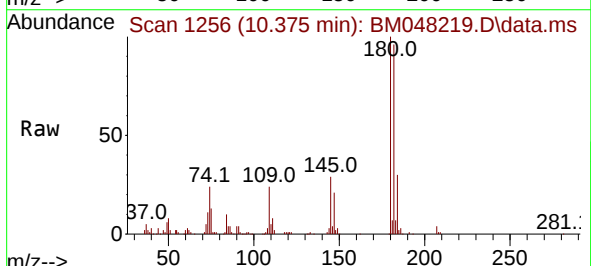
Tgt Ion:162 Resp: 101579
Ion Ratio Lower Upper
162 100
164 63.1 46.0 86.0
98 32.8 14.4 54.4

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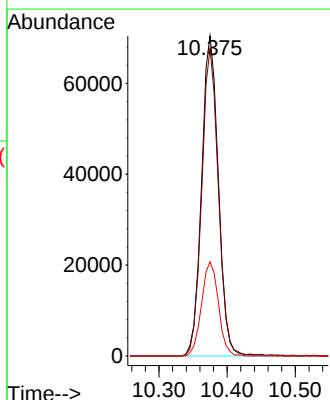
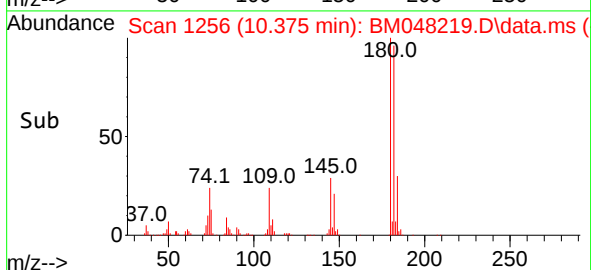
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

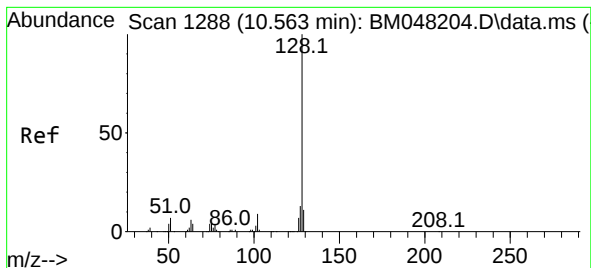


#30
1,2,4-Trichlorobenzene
Concen: 11.907 ng
RT: 10.375 min Scan# 1256
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29



Tgt Ion:180 Resp: 120524
Ion Ratio Lower Upper
180 100
182 96.1 76.6 115.0
145 29.4 23.4 35.2





#31

Naphthalene

Concen: 11.861 ng

RT: 10.557 min Scan# 1159

Delta R.T. -0.006 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

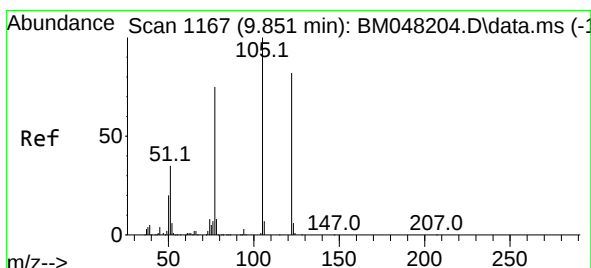
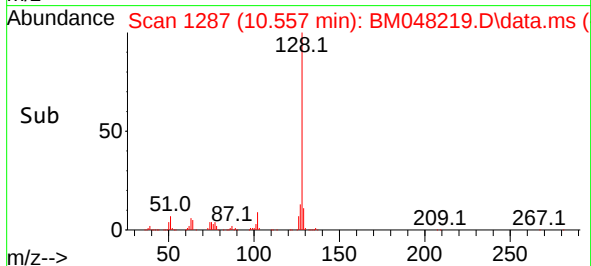
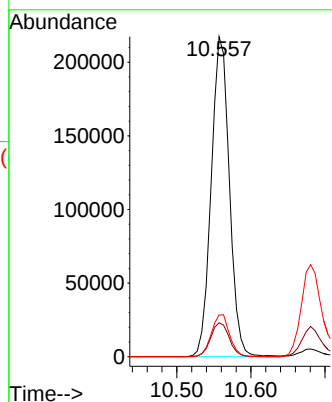
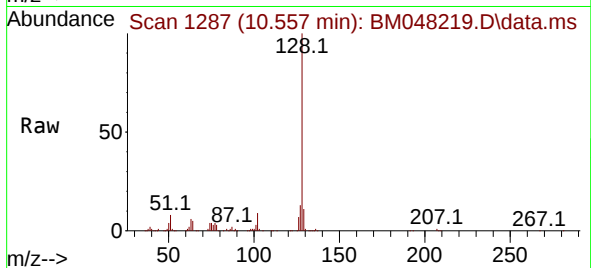
Tgt Ion:128 Resp: 369740
 Ion Ratio Lower Upper
 128 100
 129 10.6 8.8 13.2
 127 13.1 10.2 15.2

Manual Integrations

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Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#32

Benzoic acid

Concen: 11.246 ng

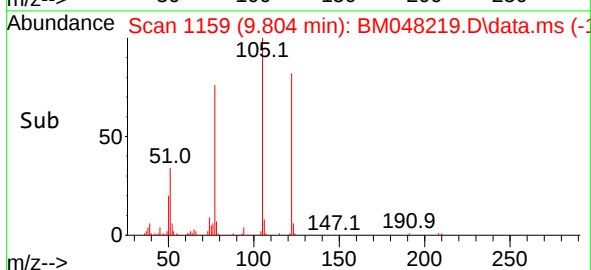
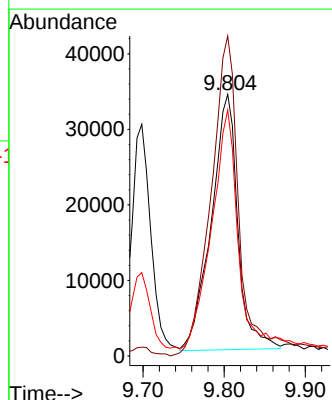
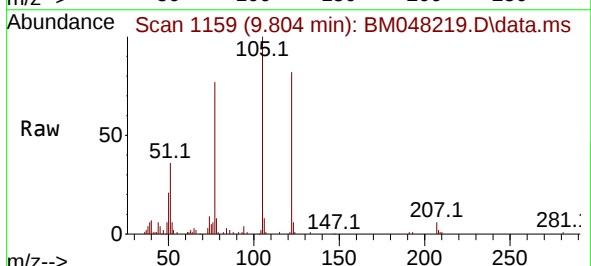
RT: 9.804 min Scan# 1159

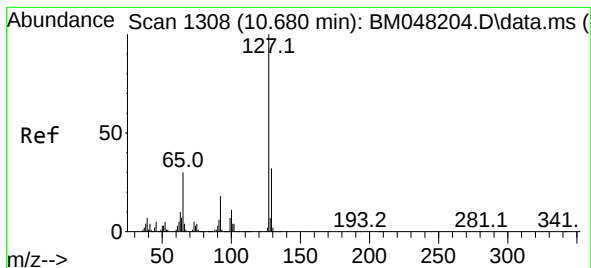
Delta R.T. -0.047 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

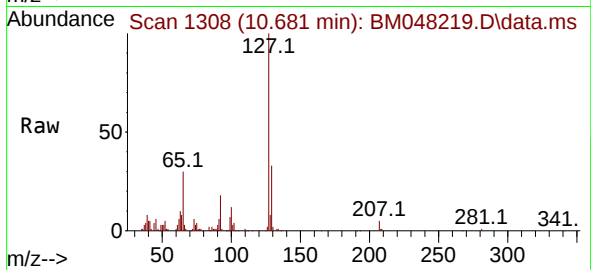
Tgt Ion:122 Resp: 76911
 Ion Ratio Lower Upper
 122 100
 105 122.3 99.3 139.3
 77 93.9 70.4 110.4





#33
4-Chloroaniline
Concen: 12.758 ng
RT: 10.681 min Scan# 1308
Delta R.T. 0.000 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

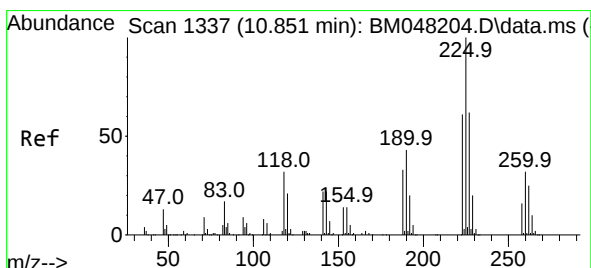
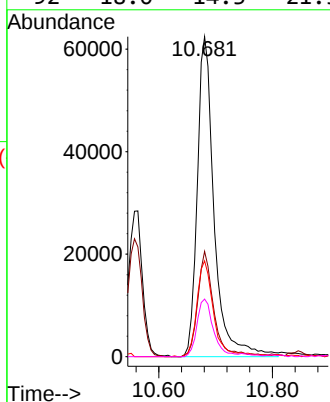
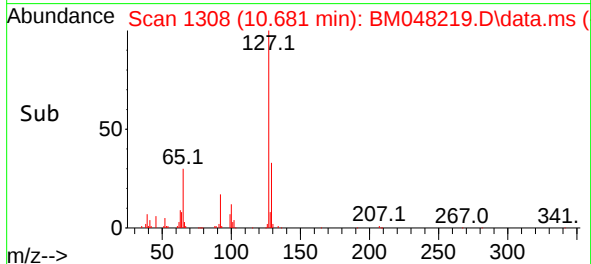
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:127 Resp: 128980
Ion Ratio Lower Upper
127 100
129 32.9 25.8 38.6
65 30.0 23.7 35.5
92 18.0 14.3 21.5

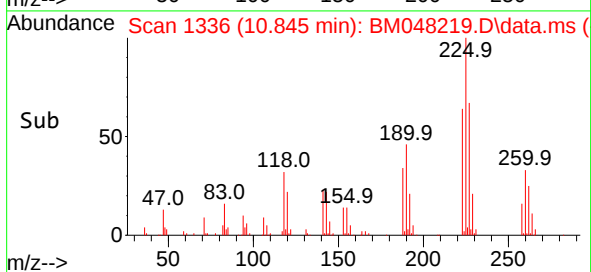
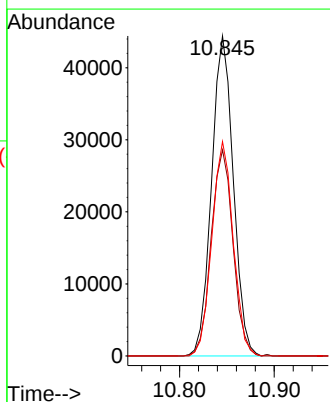
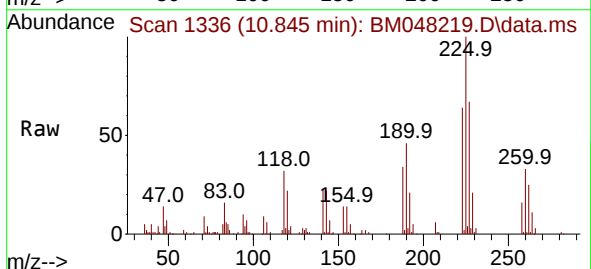
Manual Integrations
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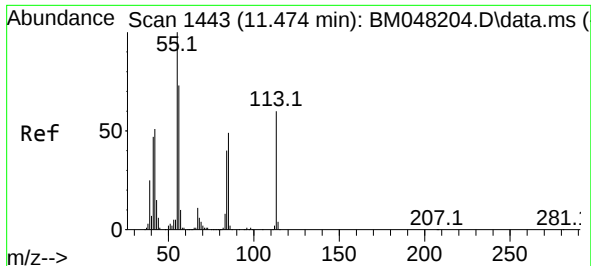
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#34
Hexachlorobutadiene
Concen: 11.300 ng
RT: 10.845 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

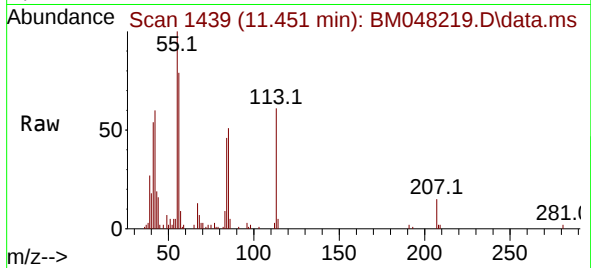
Tgt Ion:225 Resp: 70889
Ion Ratio Lower Upper
225 100
223 64.4 48.6 73.0
227 67.0 49.6 74.4





#35
Caprolactam
Concen: 10.475 ng
RT: 11.451 min Scan# 1443
Delta R.T. -0.023 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

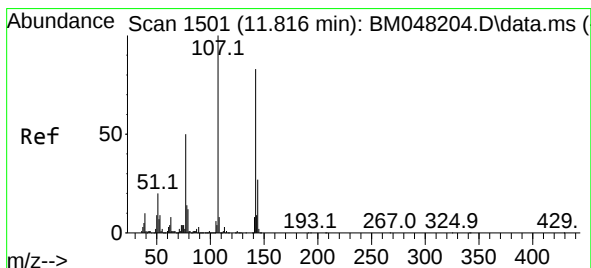
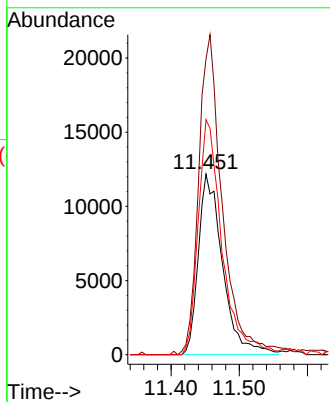
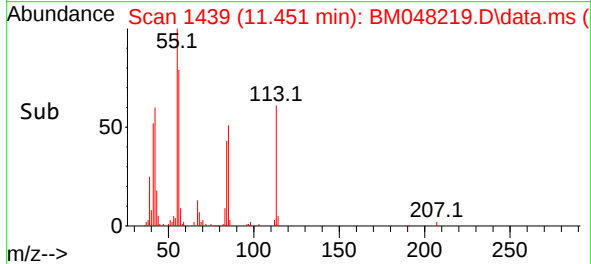
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:113 Resp: 3007
Ion Ratio Lower Upper
113 100
55 163.9 146.1 186.1
56 130.2 101.9 141.9

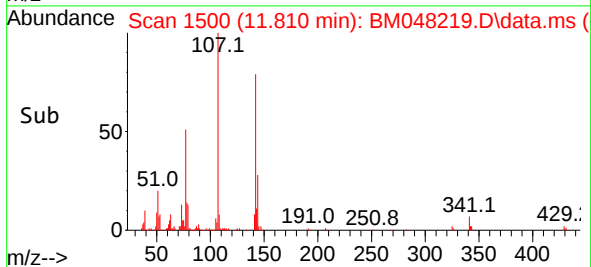
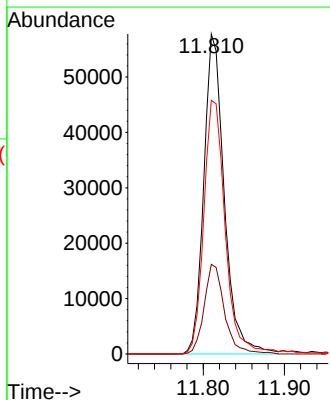
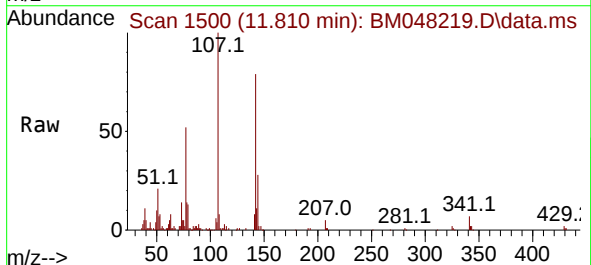
Manual Integrations
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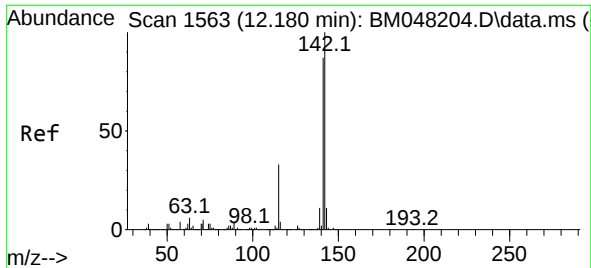
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#36
4-Chloro-3-methylphenol
Concen: 10.965 ng
RT: 11.810 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Tgt Ion:107 Resp: 101163
Ion Ratio Lower Upper
107 100
144 28.0 21.5 32.3
142 79.2 66.8 100.2





#37

2-Methylnaphthalene

Concen: 11.744 ng

RT: 12.175 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

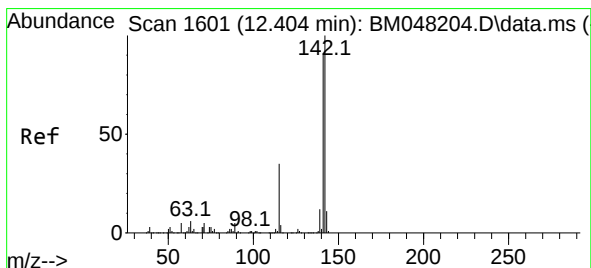
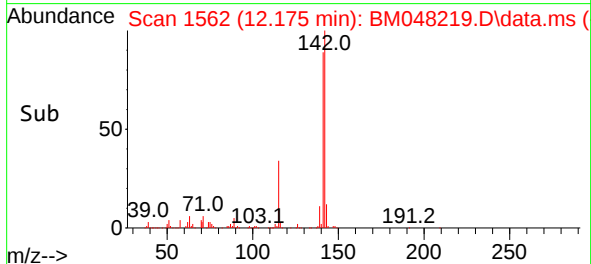
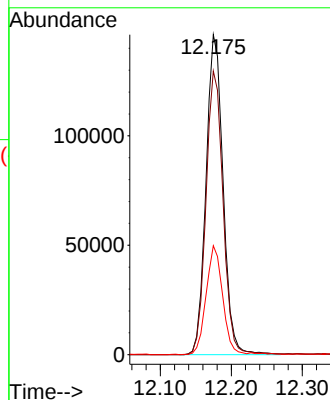
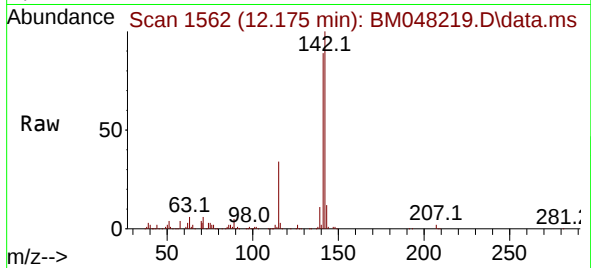
Tgt Ion:142 Resp: 244594
 Ion Ratio Lower Upper
 142 100
 141 88.7 69.8 104.6
 115 34.1 26.3 39.5

Manual Integrations

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Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#38

1-Methylnaphthalene

Concen: 11.160 ng

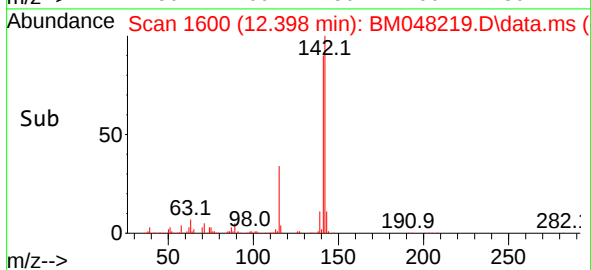
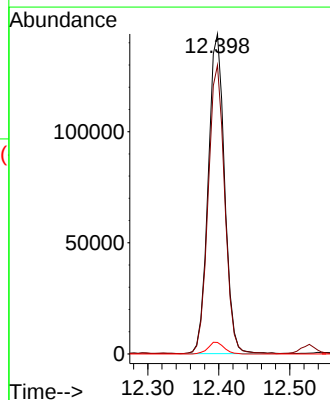
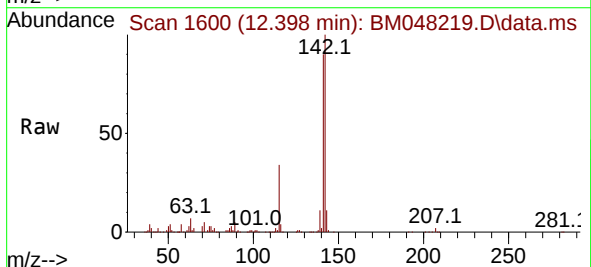
RT: 12.398 min Scan# 1600

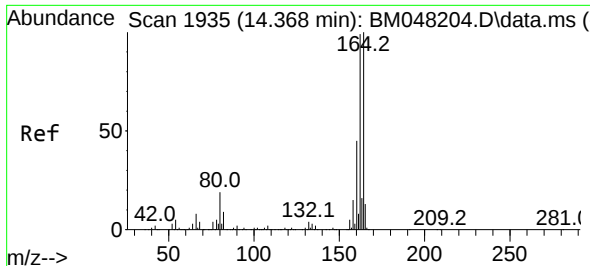
Delta R.T. -0.006 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

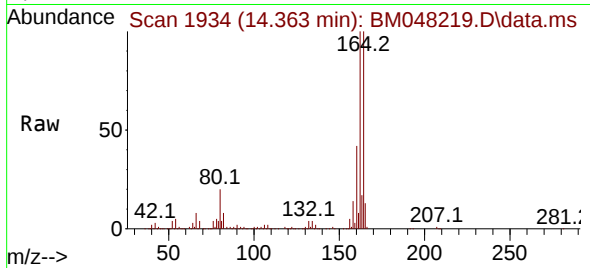
Tgt Ion:142 Resp: 230489
 Ion Ratio Lower Upper
 142 100
 141 90.3 72.7 109.1
 116 3.6 2.9 4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

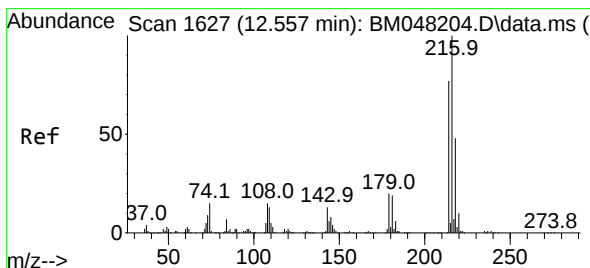
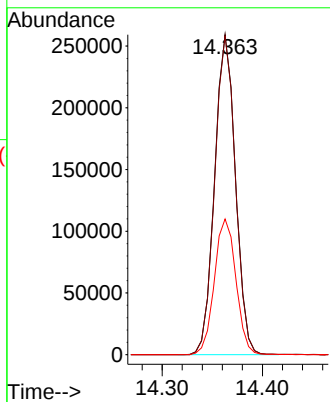
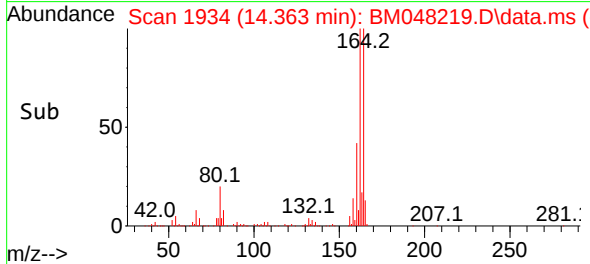
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:164 Resp: 374215
Ion Ratio Lower Upper
164 100
162 99.7 79.1 118.7
160 42.4 35.8 53.8

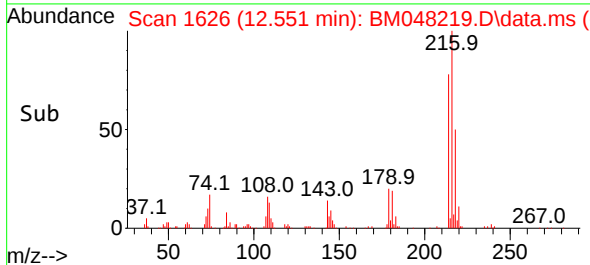
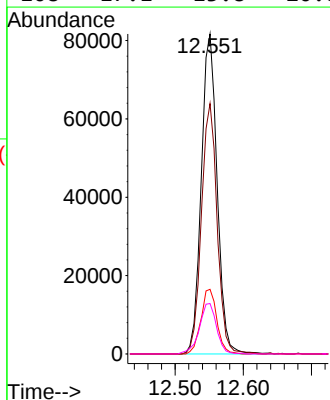
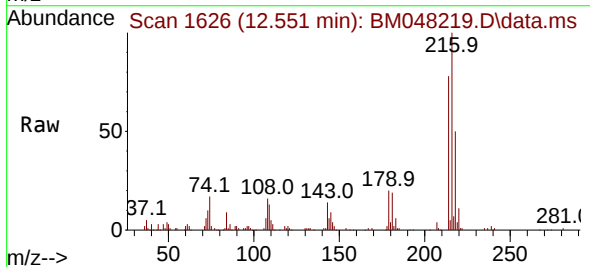
Manual Integrations
APPROVED

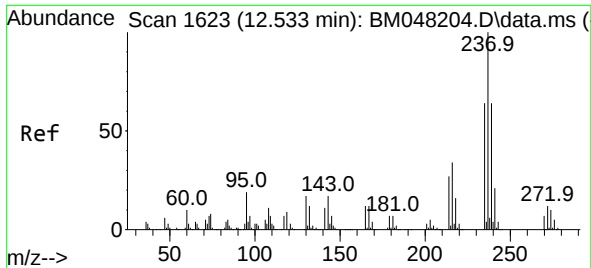
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#40
1,2,4,5-Tetrachlorobenzene
Concen: 12.367 ng
RT: 12.551 min Scan# 1626
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

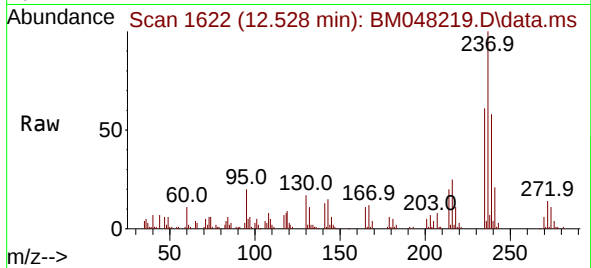
Tgt Ion:216 Resp: 132276
Ion Ratio Lower Upper
216 100
214 77.6 62.2 93.2
179 20.3 16.0 24.0
108 17.1 13.8 20.8





#41
Hexachlorocyclopentadiene
Concen: 13.020 ng
RT: 12.528 min Scan# 1622
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

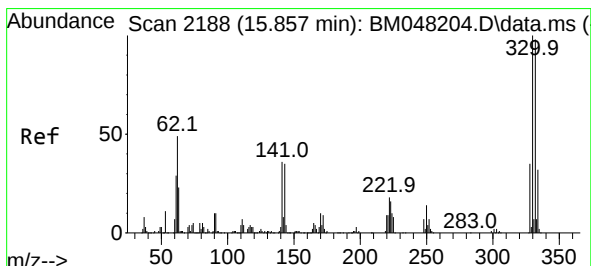
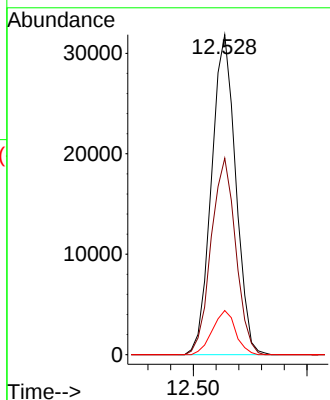
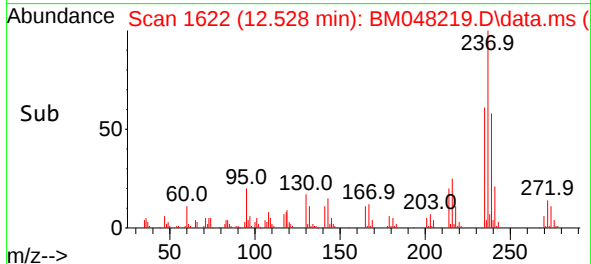
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:237 Resp: 47125
Ion Ratio Lower Upper
237 100
235 61.4 44.2 84.2
272 13.8 0.0 32.4

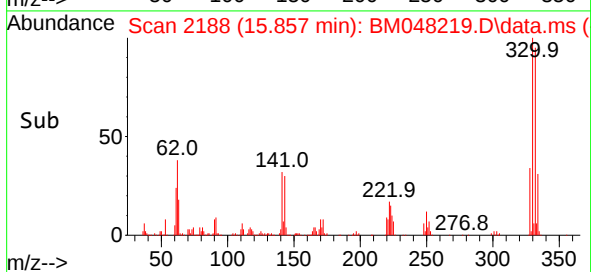
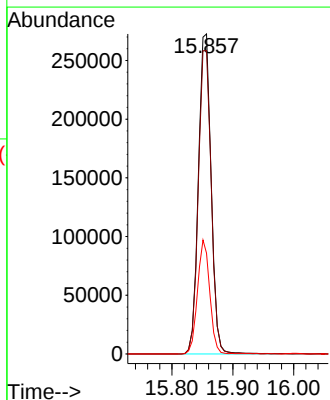
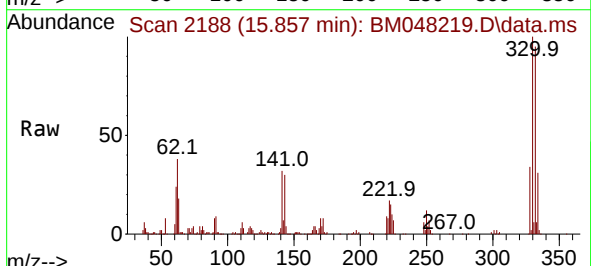
Manual Integrations
APPROVED

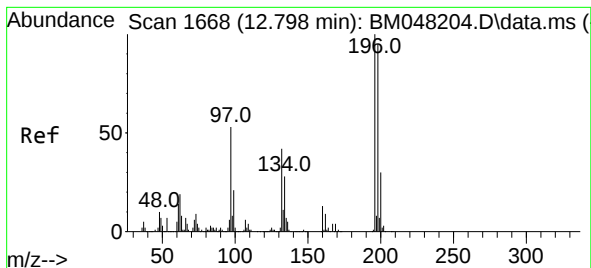
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#42
2,4,6-Tribromophenol
Concen: 86.569 ng
RT: 15.857 min Scan# 2188
Delta R.T. 0.000 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Tgt Ion:330 Resp: 396522
Ion Ratio Lower Upper
330 100
332 96.2 77.5 116.3
141 34.2 27.5 41.3





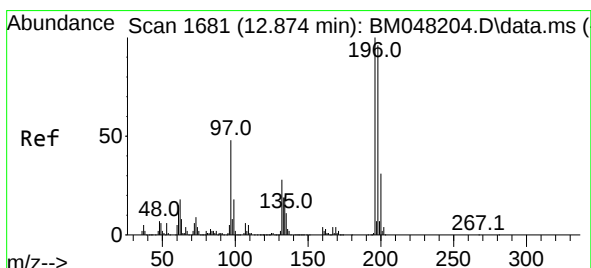
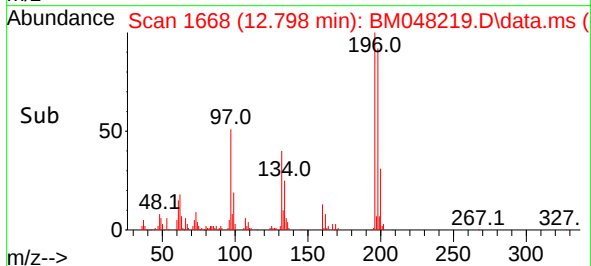
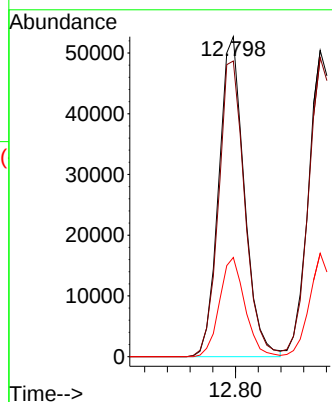
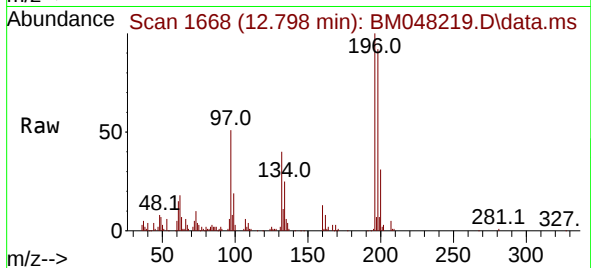
#43
2,4,6-Trichlorophenol
Concen: 11.585 ng
RT: 12.798 min Scan# 1668
Delta R.T. 0.000 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:196 Resp: 8223
Ion Ratio Lower Upper
196 100
198 92.4 76.2 114.2
200 31.0 24.2 36.2

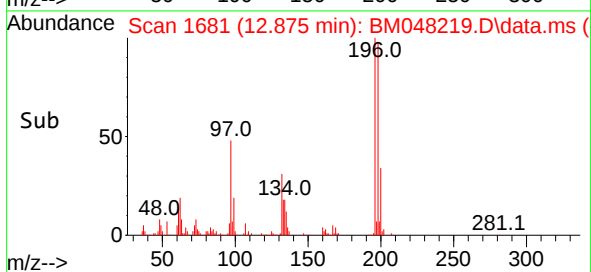
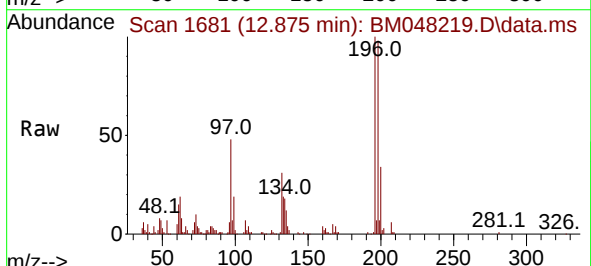
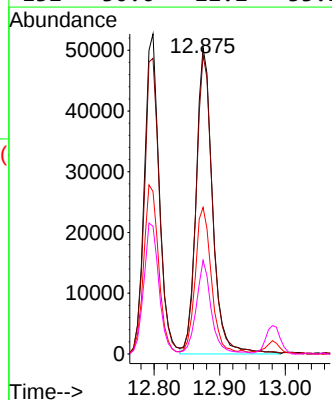
Manual Integrations
APPROVED

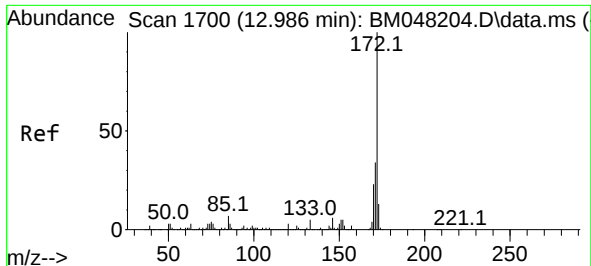
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#44
2,4,5-Trichlorophenol
Concen: 11.155 ng
RT: 12.875 min Scan# 1681
Delta R.T. 0.000 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

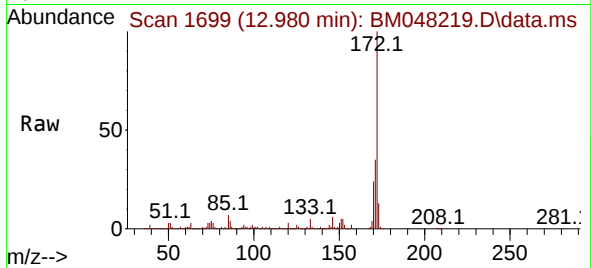
Tgt Ion:196 Resp: 88293
Ion Ratio Lower Upper
196 100
198 97.7 76.7 115.1
97 47.9 38.5 57.7
132 30.6 22.2 33.2





#45
2-Fluorobiphenyl
Concen: 62.624 ng
RT: 12.980 min Scan# 1700
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

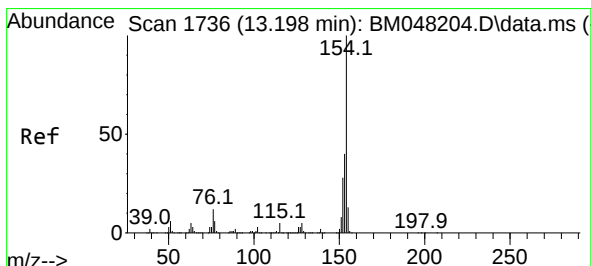
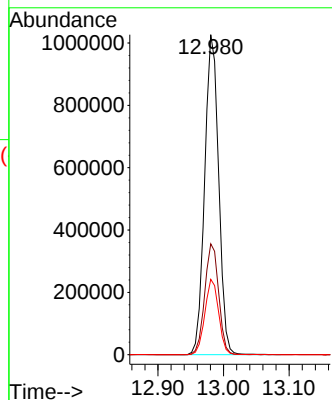
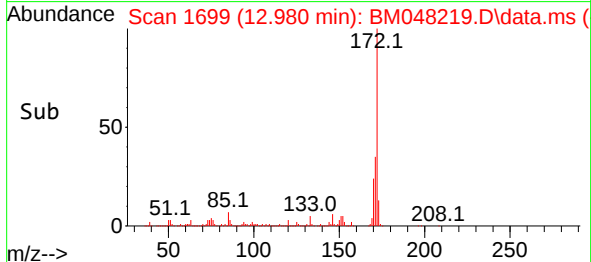
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:172 Resp: 152719
Ion Ratio Lower Upper
172 100
171 34.6 27.4 41.0
170 23.6 18.5 27.7

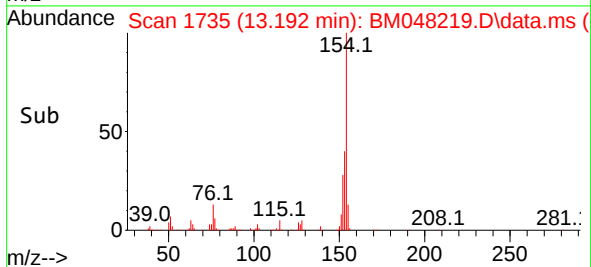
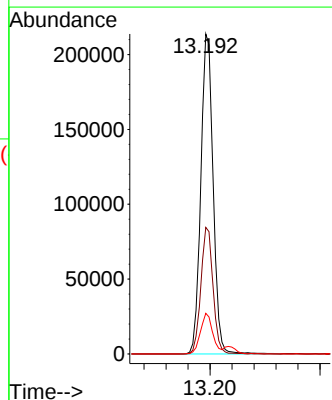
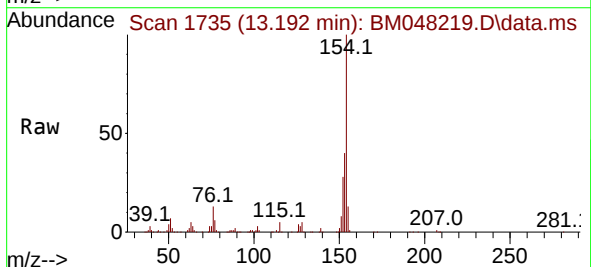
Manual Integrations
APPROVED

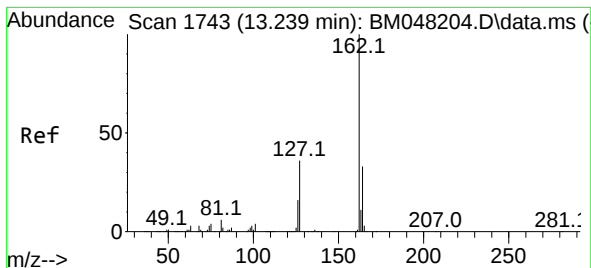
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#46
1,1'-Biphenyl
Concen: 12.458 ng
RT: 13.192 min Scan# 1735
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

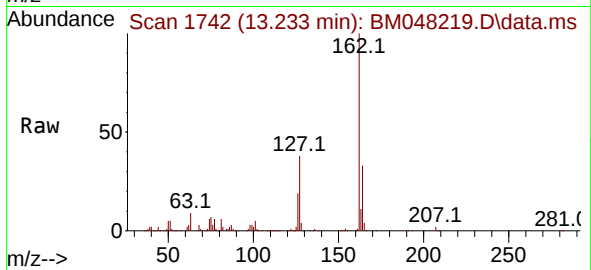
Tgt Ion:154 Resp: 332845
Ion Ratio Lower Upper
154 100
153 39.6 19.9 59.9
76 12.7 0.0 32.4





#47
2-Chloronaphthalene
Concen: 11.828 ng
RT: 13.233 min Scan# 1743
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

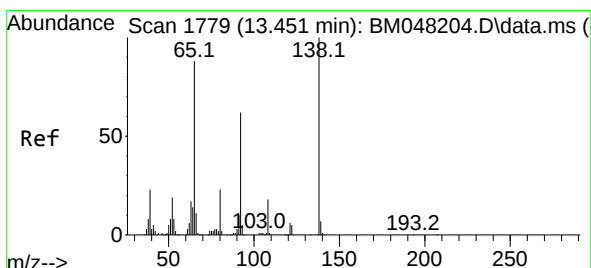
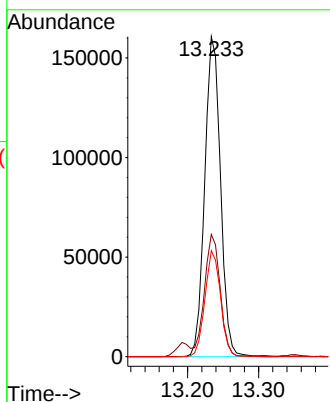
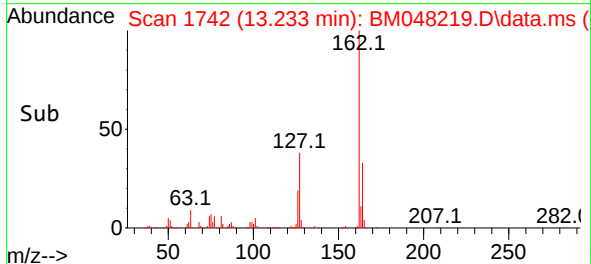
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT4-2024



Tgt Ion:162 Resp: 24917
Ion Ratio Lower Upper
162 100
127 38.2 31.0 46.6
164 33.1 26.2 39.4

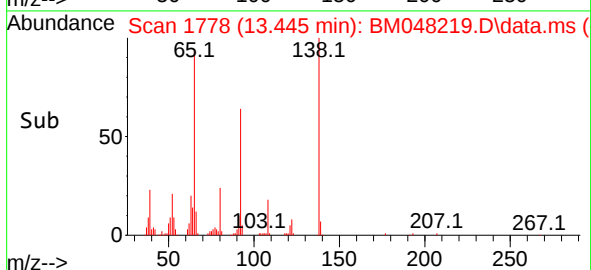
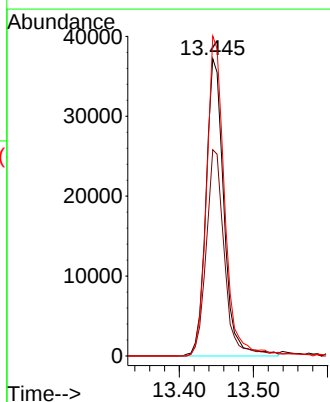
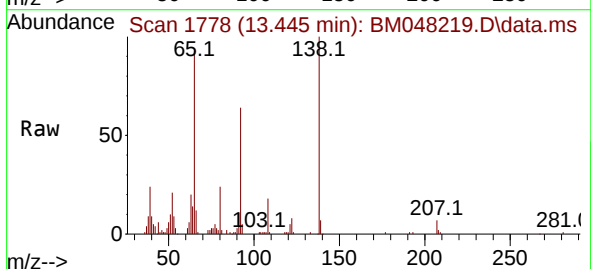
Manual Integrations
APPROVED

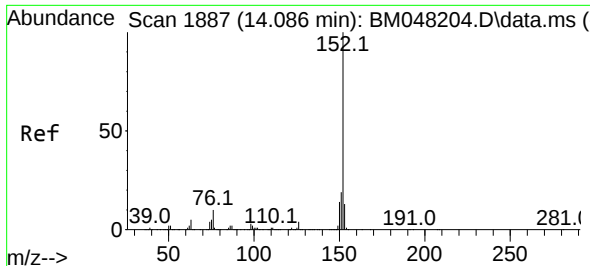
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#48
2-Nitroaniline
Concen: 10.947 ng
RT: 13.445 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

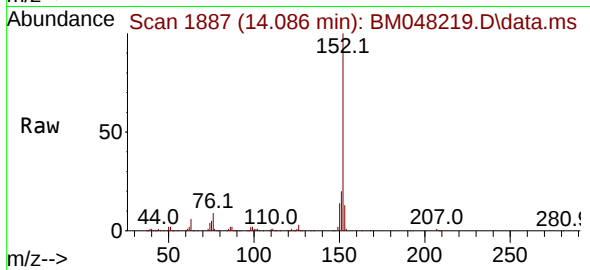
Tgt Ion: 65 Resp: 62545
Ion Ratio Lower Upper
65 100
92 69.4 56.0 84.0
138 107.7 90.8 136.2





#49
Acenaphthylene
Concen: 12.903 ng
RT: 14.086 min Scan# 1887
Delta R.T. 0.000 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

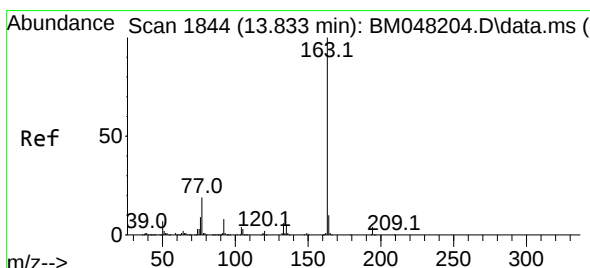
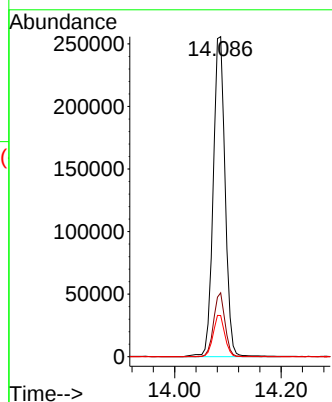
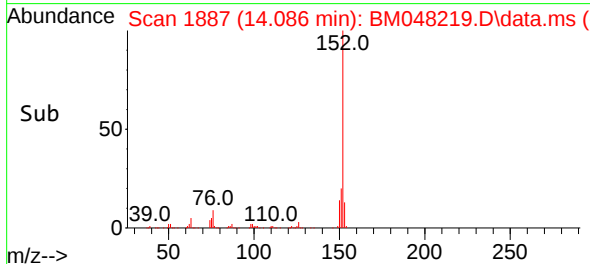
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:152 Resp: 39657
Ion Ratio Lower Upper
152 100
151 19.9 15.4 23.2
153 12.8 10.5 15.7

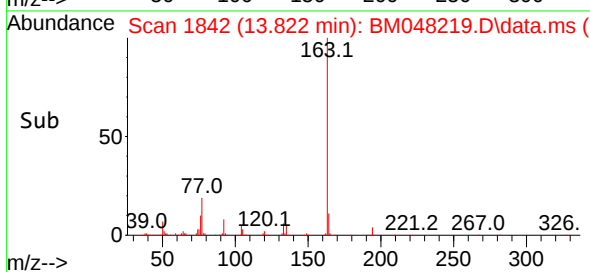
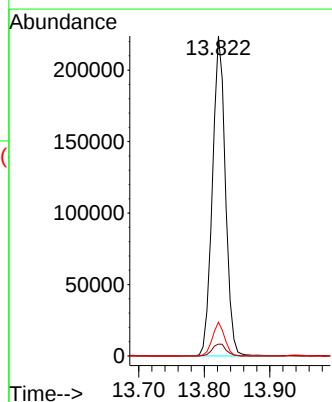
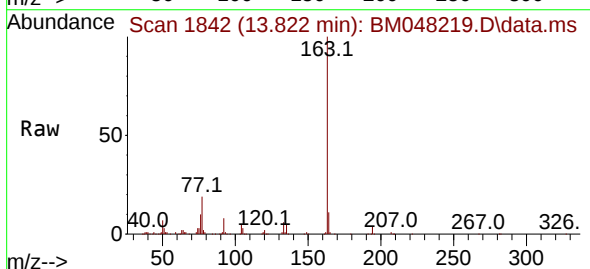
Manual Integrations
APPROVED

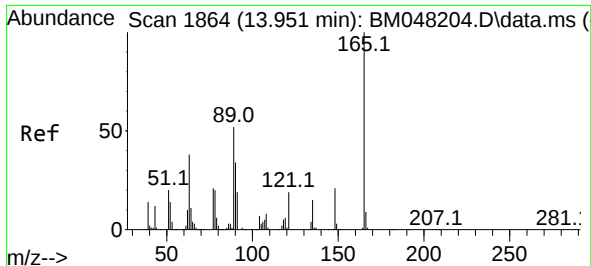
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#50
Dimethylphthalate
Concen: 12.061 ng
RT: 13.822 min Scan# 1842
Delta R.T. -0.012 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

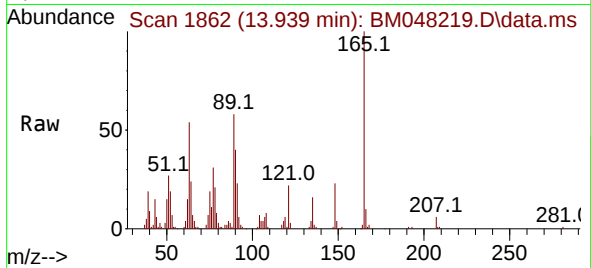
Tgt Ion:163 Resp: 308118
Ion Ratio Lower Upper
163 100
194 3.7 3.1 4.7
164 10.5 7.8 11.6





#51
2,6-Dinitrotoluene
Concen: 10.745 ng
RT: 13.939 min Scan# 1862
Delta R.T. -0.012 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

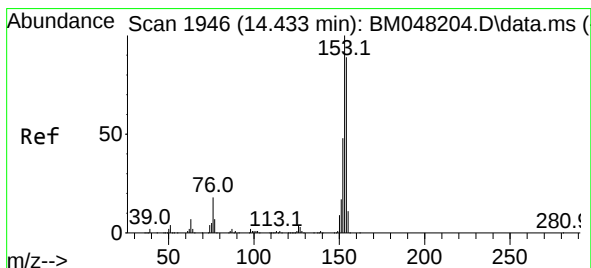
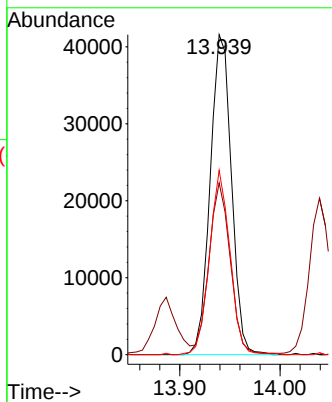
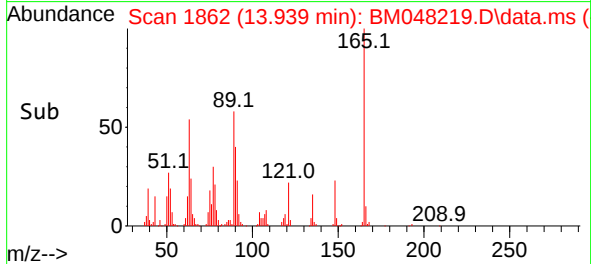
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:165 Resp: 61248
Ion Ratio Lower Upper
165 100
63 53.7 39.5 59.3
89 57.6 41.8 62.6

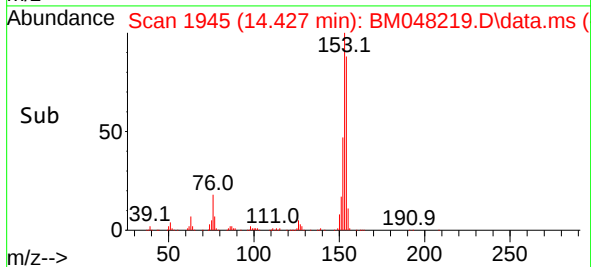
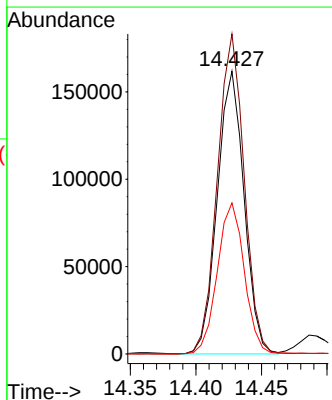
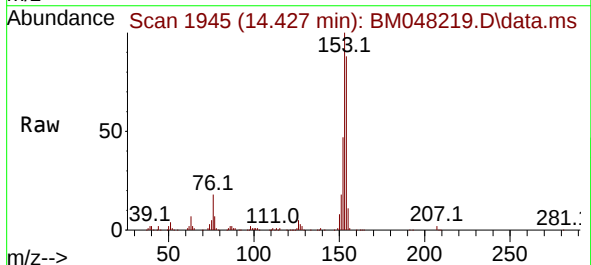
Manual Integrations
APPROVED

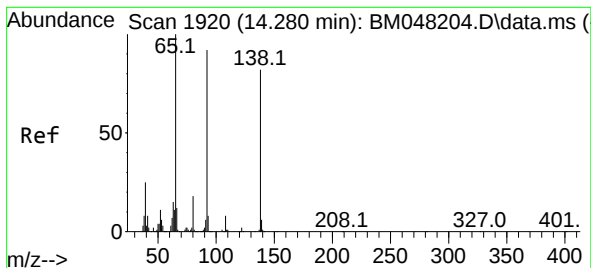
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#52
Acenaphthene
Concen: 11.785 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Tgt Ion:154 Resp: 230135
Ion Ratio Lower Upper
154 100
153 113.2 90.4 135.6
152 53.5 43.6 65.4





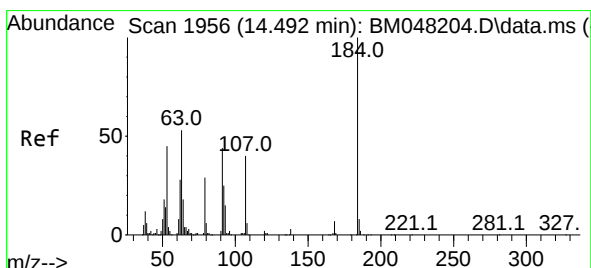
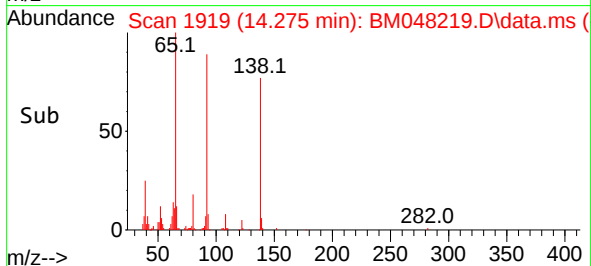
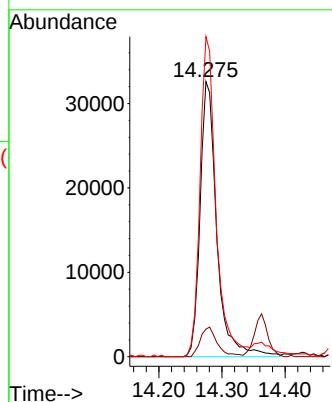
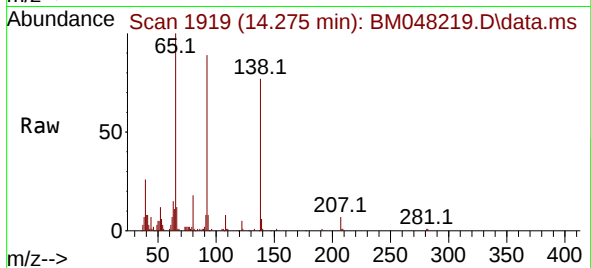
#53
3-Nitroaniline
Concen: 11.109 ng
RT: 14.275 min Scan# 1919
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:138 Resp: 5971
Ion Ratio Lower Upper
138 100
108 10.0 7.5 11.3
92 116.3 89.7 134.5

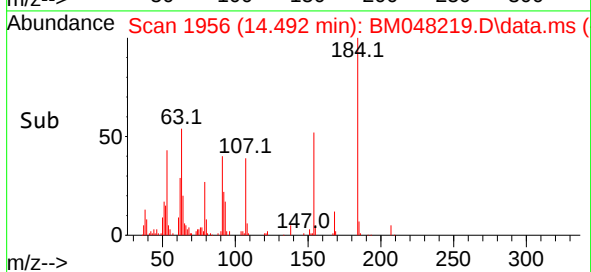
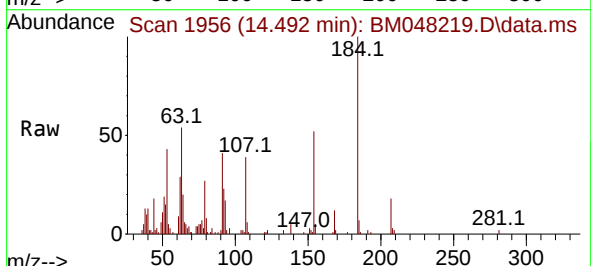
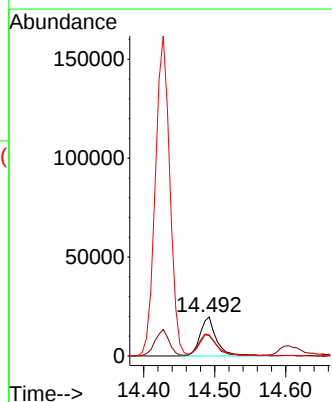
Manual Integrations
APPROVED

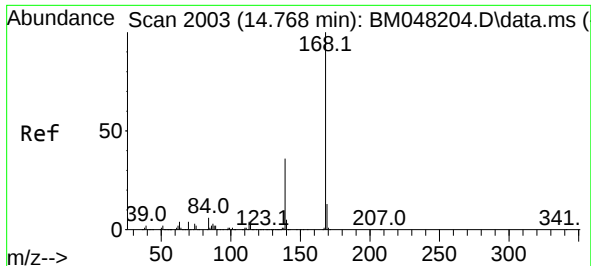
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#54
2,4-Dinitrophenol
Concen: 9.490 ng
RT: 14.492 min Scan# 1956
Delta R.T. 0.000 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

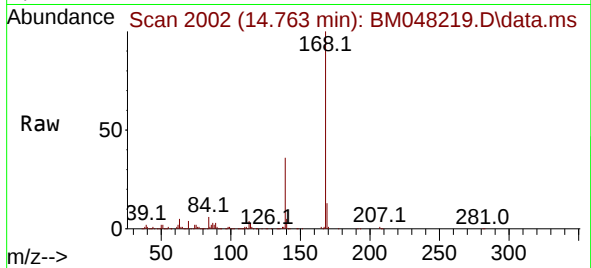
Tgt Ion:184 Resp: 31611
Ion Ratio Lower Upper
184 100
63 53.9 47.2 70.8
154 52.2 46.0 69.0





#55
Dibenzenofuran
Concen: 12.188 ng
RT: 14.763 min Scan# 2003
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

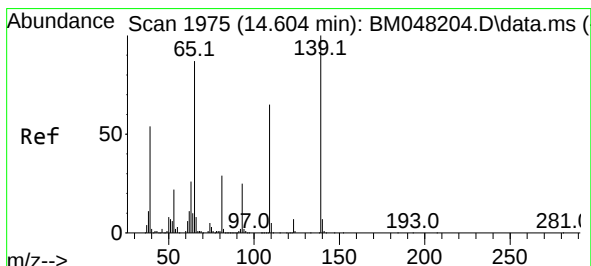
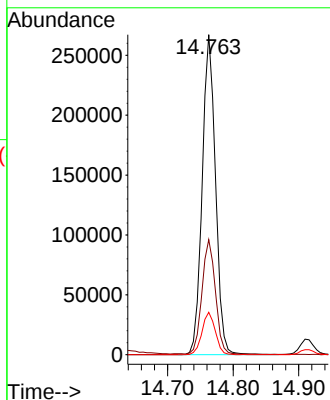
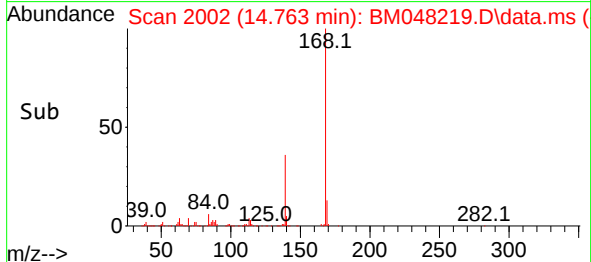
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:168 Resp: 37813
Ion Ratio Lower Upper
168 100
139 36.0 29.0 43.6
169 13.2 10.4 15.6

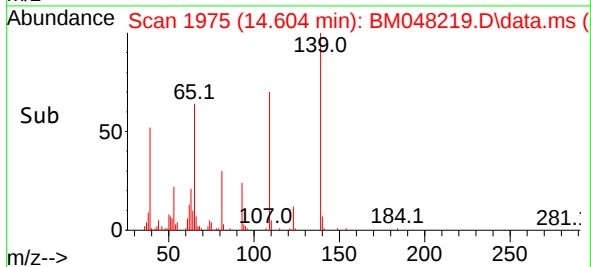
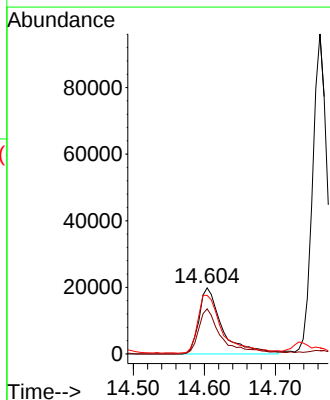
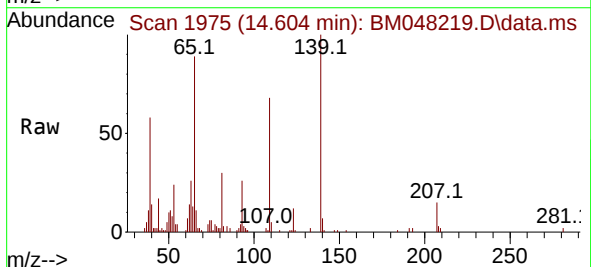
Manual Integrations
APPROVED

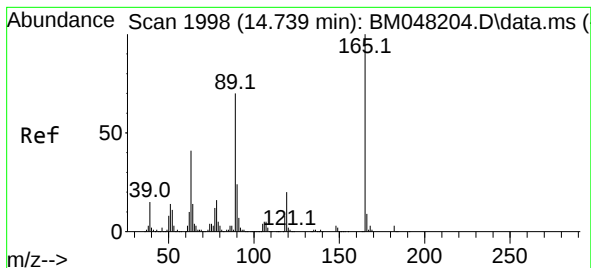
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#56
4-Nitrophenol
Concen: 9.419 ng
RT: 14.604 min Scan# 1975
Delta R.T. -0.000 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

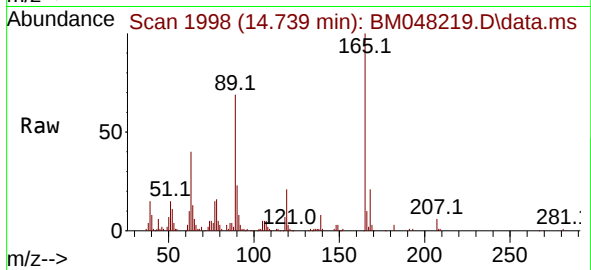
Tgt Ion:139 Resp: 45187
Ion Ratio Lower Upper
139 100
109 68.3 45.4 85.4
65 88.6 67.3 107.3





#57
2,4-Dinitrotoluene
Concen: 10.548 ng
RT: 14.739 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

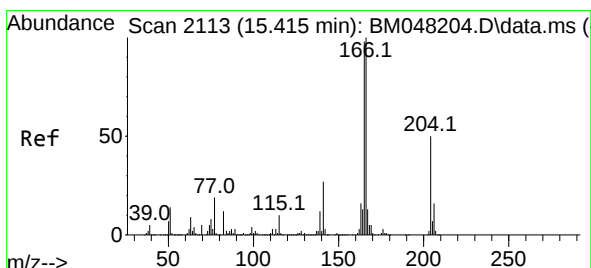
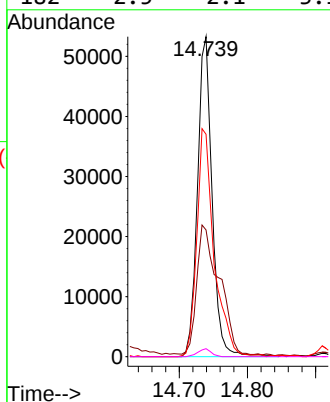
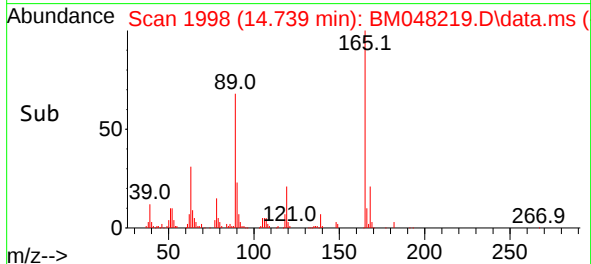
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:165 Resp: 7940
Ion Ratio Lower Upper
165 100
63 39.6 33.0 49.4
89 69.5 55.8 83.6
182 2.5 2.1 3.1

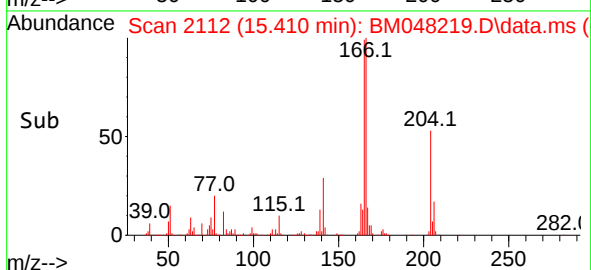
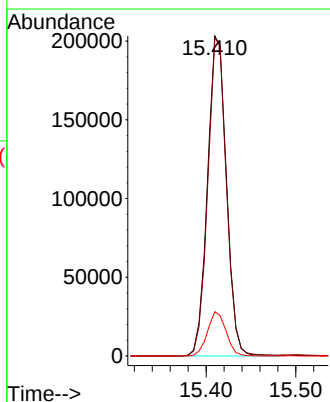
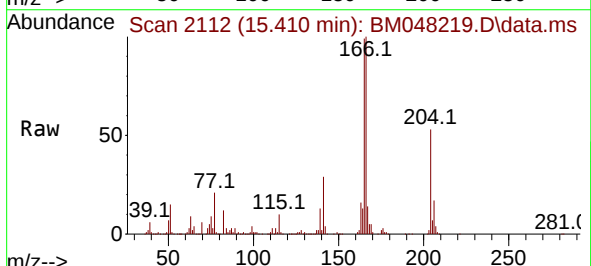
Manual Integrations
APPROVED

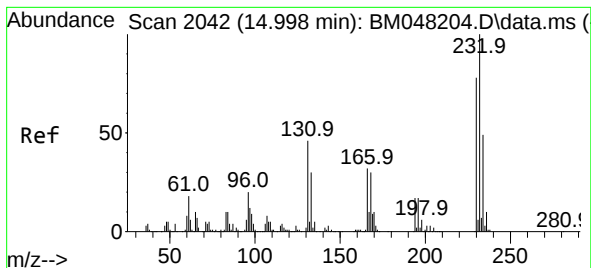
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#58
Fluorene
Concen: 12.139 ng
RT: 15.410 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

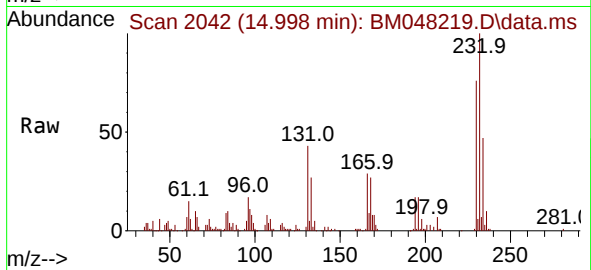
Tgt Ion:166 Resp: 297809
Ion Ratio Lower Upper
166 100
165 99.5 78.4 117.6
167 13.8 10.8 16.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 11.929 ng
RT: 14.998 min Scan# 2042
Delta R.T. 0.000 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

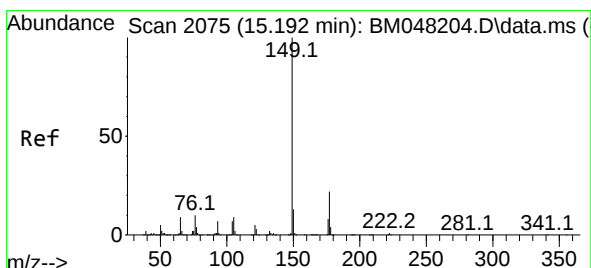
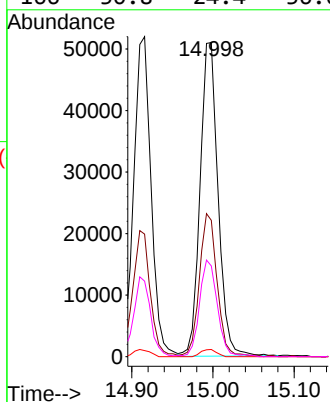
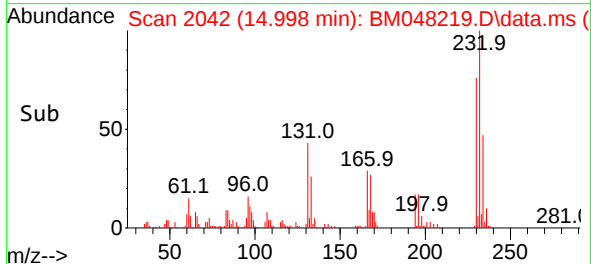
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:232 Resp: 7826
Ion Ratio Lower Upper
232 100
131 45.1 35.5 53.3
130 2.0 1.8 2.6
166 30.8 24.4 36.6

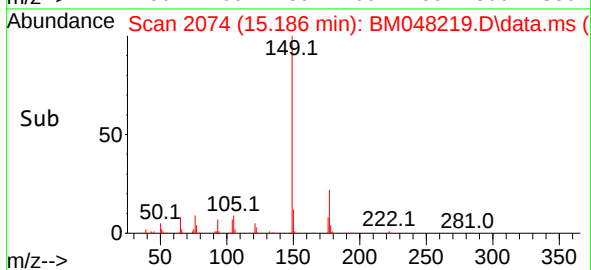
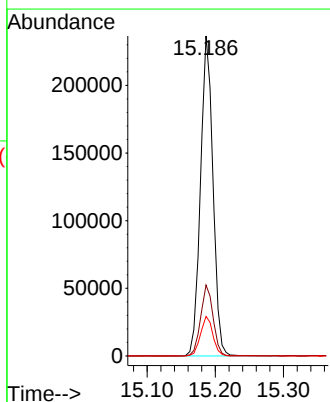
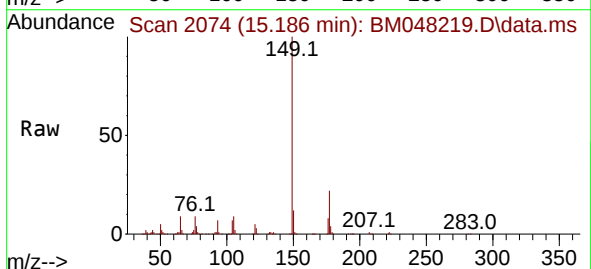
Manual Integrations
APPROVED

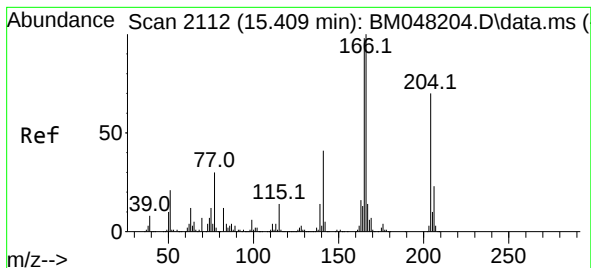
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#60
Diethylphthalate
Concen: 11.626 ng
RT: 15.186 min Scan# 2074
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

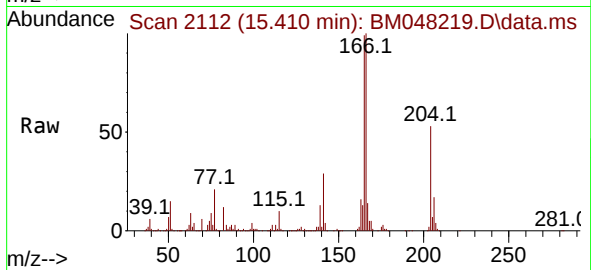
Tgt Ion:149 Resp: 300709
Ion Ratio Lower Upper
149 100
177 22.1 17.5 26.3
150 12.3 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 12.068 ng
RT: 15.410 min Scan# 2112
Delta R.T. 0.000 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

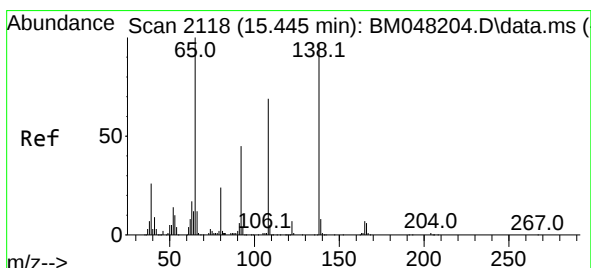
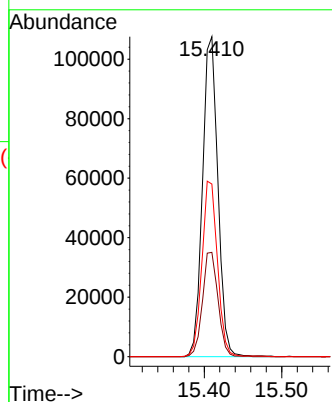
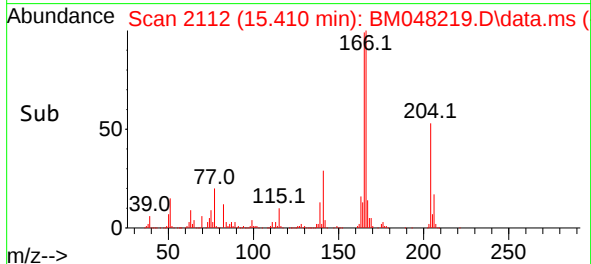
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:204 Resp: 148038
Ion Ratio Lower Upper
204 100
206 32.6 26.2 39.4
141 54.0 47.0 70.6

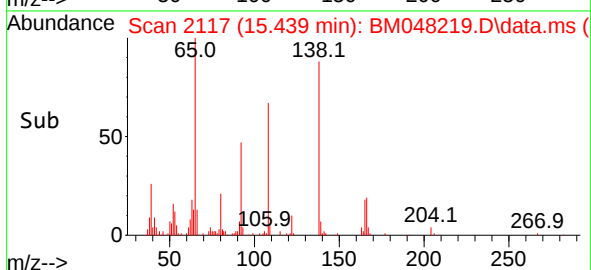
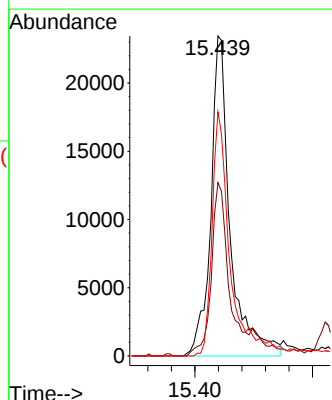
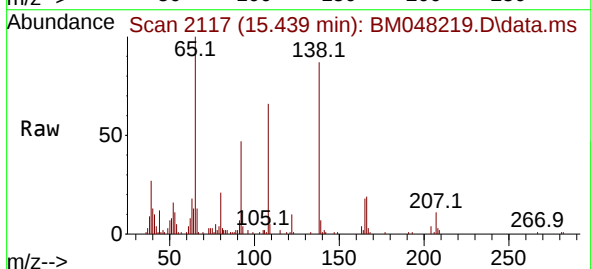
Manual Integrations
APPROVED

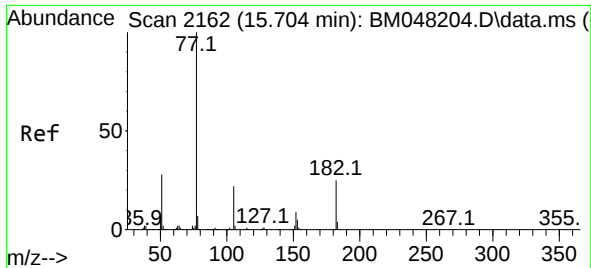
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#62
4-Nitroaniline
Concen: 9.715 ng
RT: 15.439 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

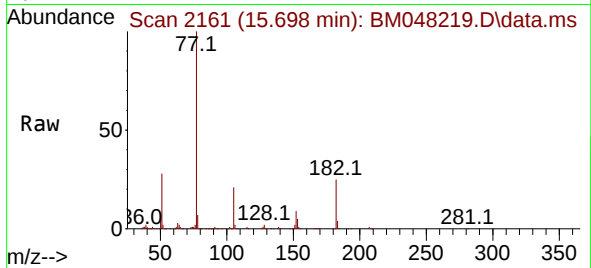
Tgt Ion:138 Resp: 54048
Ion Ratio Lower Upper
138 100
92 54.2 26.9 66.9
108 76.3 51.3 91.3





#63
Azobenzene
Concen: 12.155 ng
RT: 15.698 min Scan# 2161
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

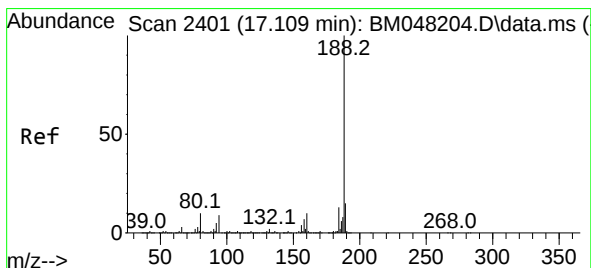
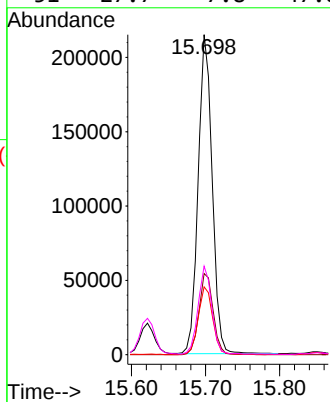
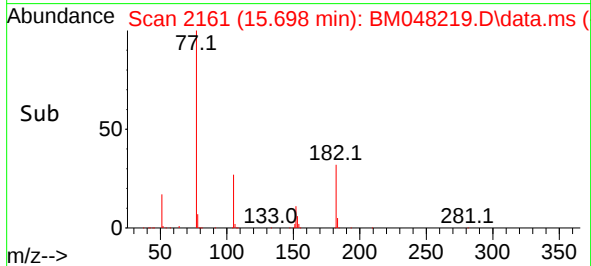
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 77 Resp: 28178
Ion Ratio Lower Upper
77 100
182 25.3 5.3 45.3
105 21.2 1.6 41.6
51 27.7 7.8 47.8

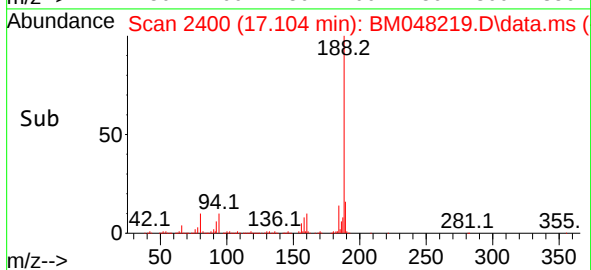
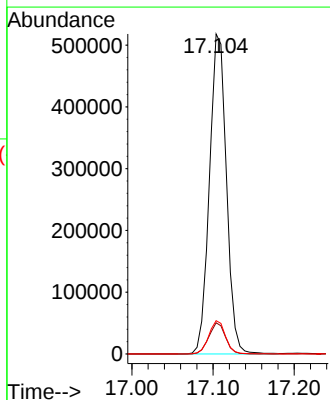
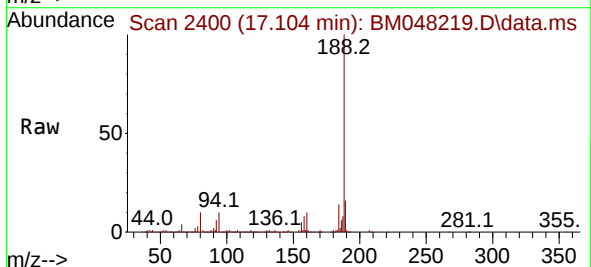
Manual Integrations
APPROVED

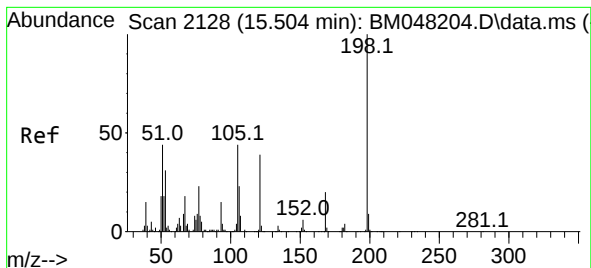
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.104 min Scan# 2400
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Tgt Ion:188 Resp: 752639
Ion Ratio Lower Upper
188 100
94 9.7 7.3 10.9
80 10.4 8.0 12.0





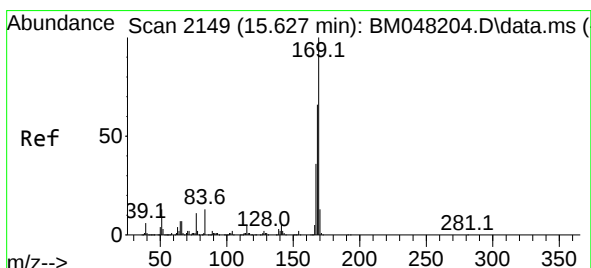
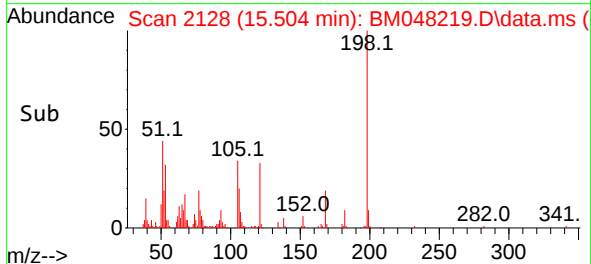
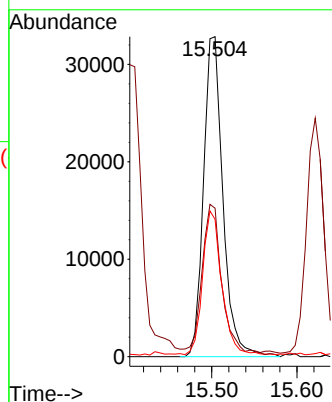
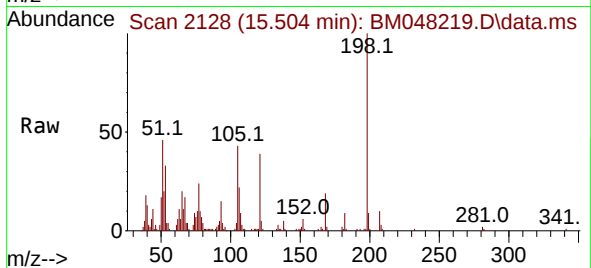
#65
4,6-Dinitro-2-methylphenol
Concen: 11.909 ng
RT: 15.504 min Scan# 2128
Delta R.T. 0.000 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:198 Resp: 5200
Ion Ratio Lower Upper
198 100
51 46.4 25.4 65.4
105 42.9 23.9 63.9

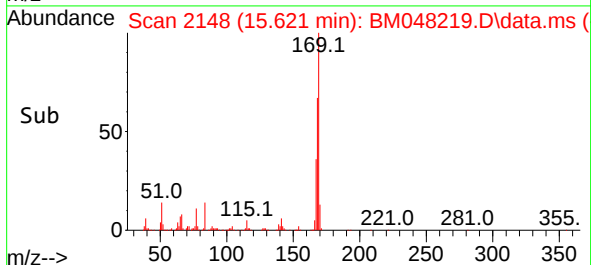
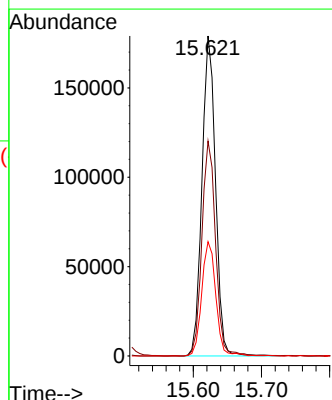
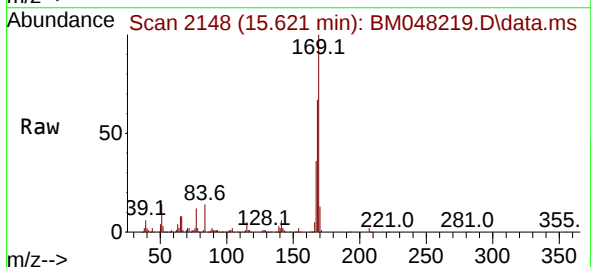
Manual Integrations
APPROVED

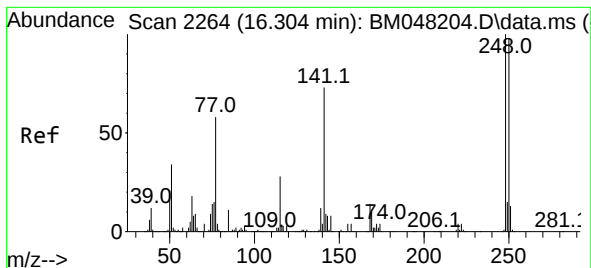
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#66
n-Nitrosodiphenylamine
Concen: 11.970 ng
RT: 15.621 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

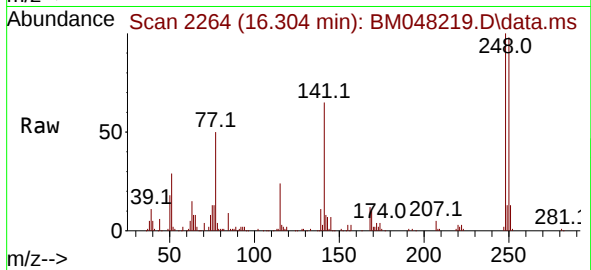
Tgt Ion:169 Resp: 247308
Ion Ratio Lower Upper
169 100
168 67.2 52.9 79.3
167 35.7 29.3 43.9





#67
4-Bromophenyl-phenylether
Concen: 11.784 ng
RT: 16.304 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

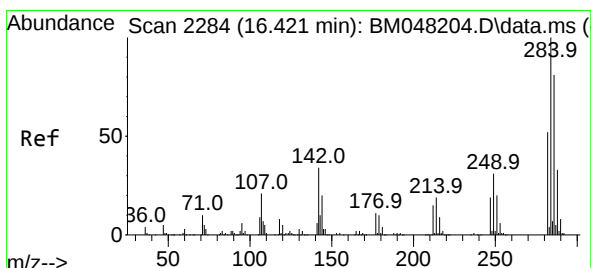
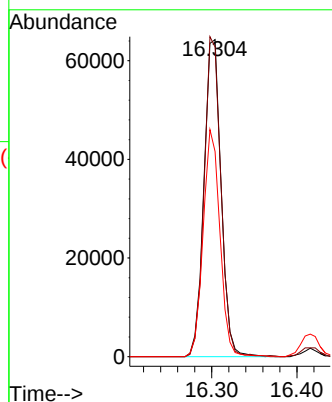
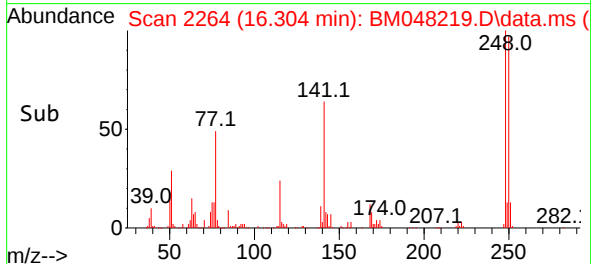
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



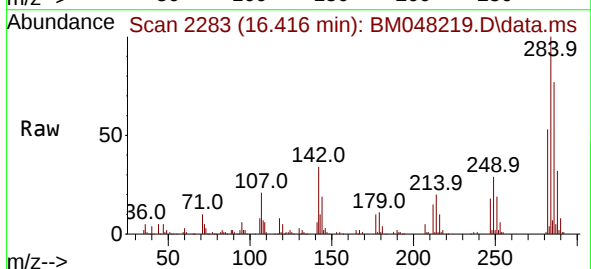
Tgt Ion:248 Resp: 89924
Ion Ratio Lower Upper
248 100
250 97.7 78.3 117.5
141 64.7 58.0 87.0

Manual Integrations
APPROVED

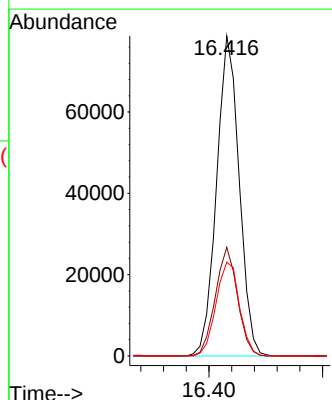
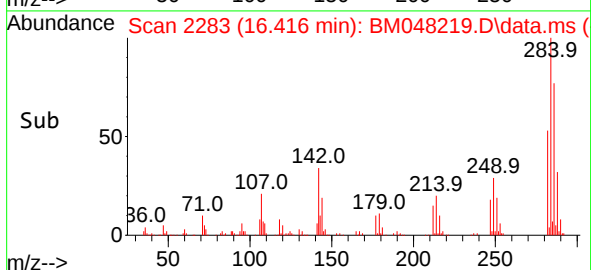
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

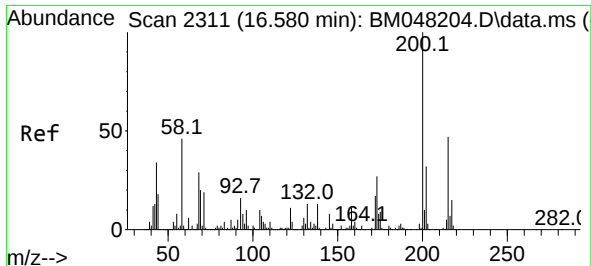


#68
Hexachlorobenzene
Concen: 11.849 ng
RT: 16.416 min Scan# 2283
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29



Tgt Ion:284 Resp: 108596
Ion Ratio Lower Upper
284 100
142 33.9 27.0 40.4
249 29.3 24.6 36.8





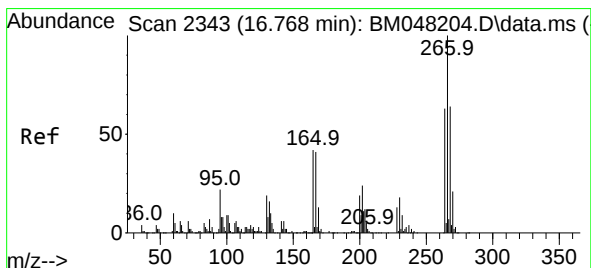
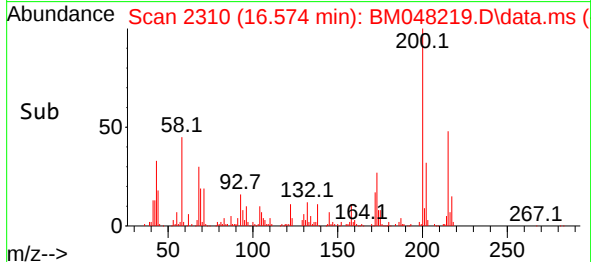
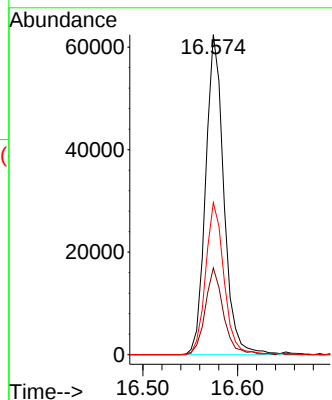
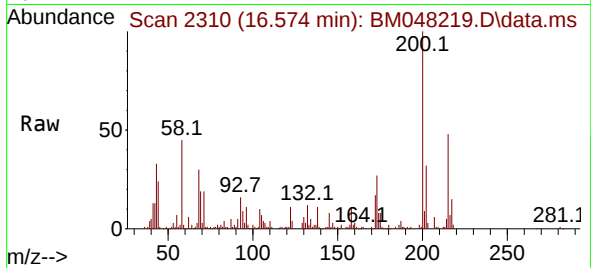
#69
Atrazine
Concen: 14.412 ng
RT: 16.574 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024

Tgt Ion:200 Resp: 83318
Ion Ratio Lower Upper
200 100
173 27.1 6.5 46.5
215 47.5 27.2 67.2

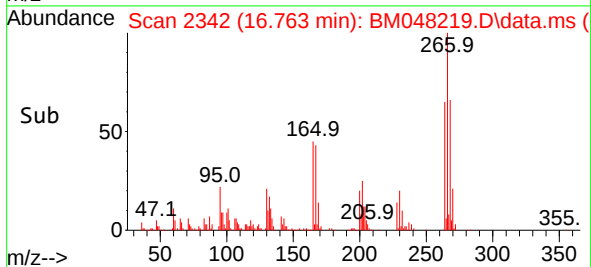
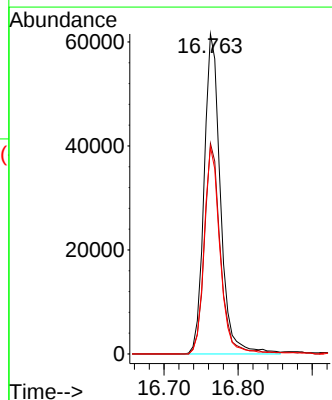
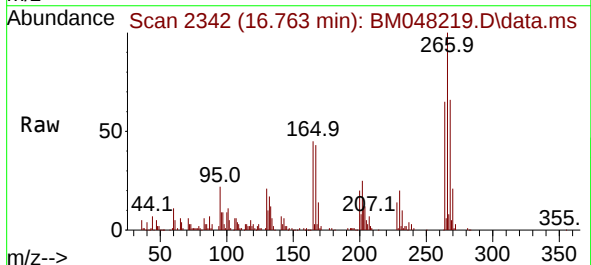
Manual Integrations
APPROVED

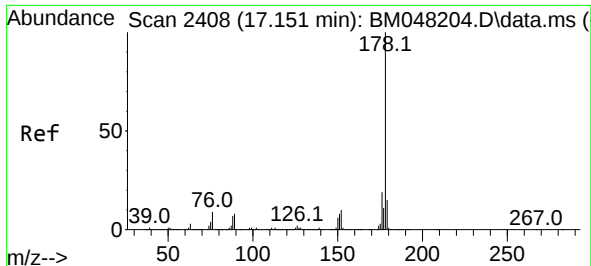
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#70
Pentachlorophenol
Concen: 15.662 ng
RT: 16.763 min Scan# 2342
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

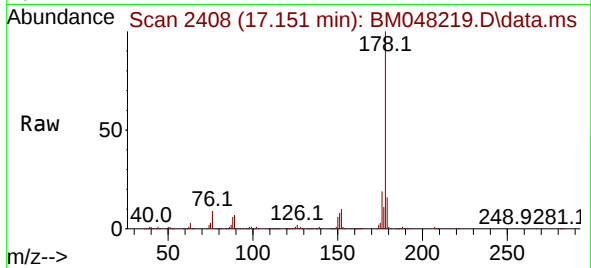
Tgt Ion:266 Resp: 94243
Ion Ratio Lower Upper
266 100
268 65.8 50.8 76.2
264 64.7 50.2 75.2





#71
Phenanthrene
Concen: 12.302 ng
RT: 17.151 min Scan# 2408
Delta R.T. 0.000 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

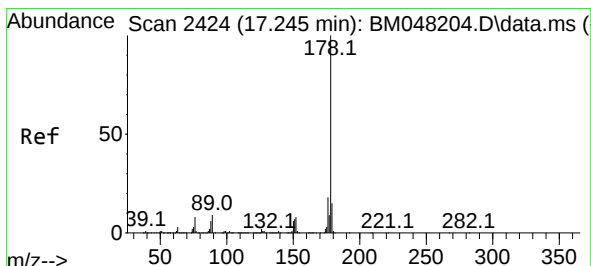
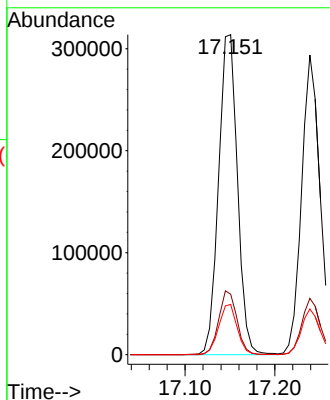
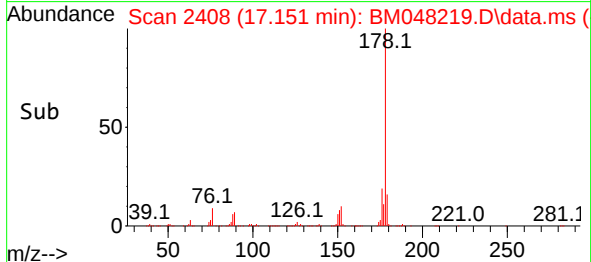
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:178 Resp: 458475
Ion Ratio Lower Upper
178 100
176 18.9 15.4 23.0
179 15.7 12.4 18.6

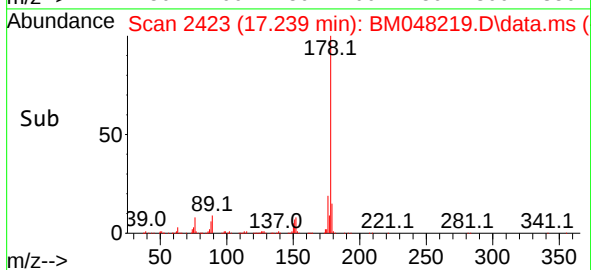
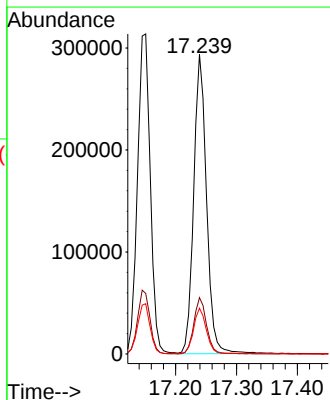
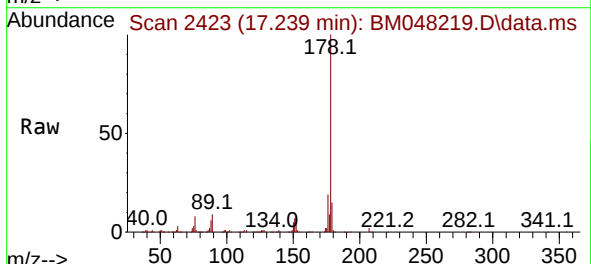
Manual Integrations
APPROVED

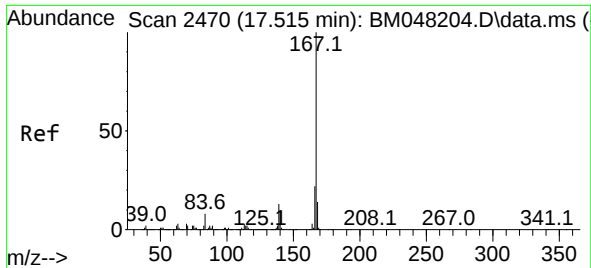
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#72
Anthracene
Concen: 11.889 ng
RT: 17.239 min Scan# 2423
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

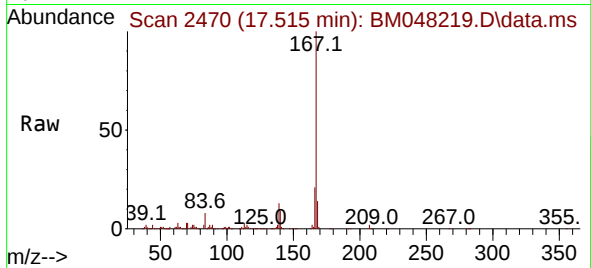
Tgt Ion:178 Resp: 428917
Ion Ratio Lower Upper
178 100
176 18.8 14.8 22.2
179 15.3 12.2 18.2





#73
 Carbazole
 Concen: 11.658 ng
 RT: 17.515 min Scan# 2470
 Delta R.T. 0.000 min
 Lab File: BM048219.D
 Acq: 24 Oct 2024 16:29

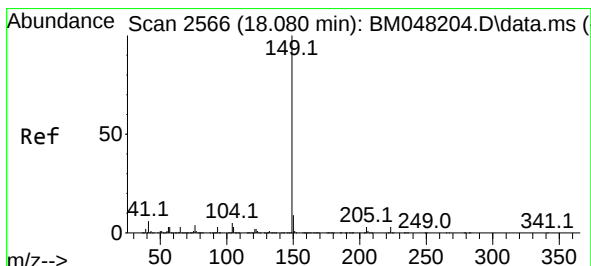
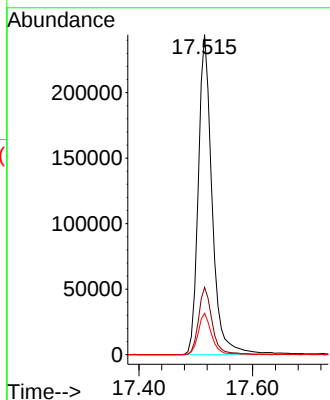
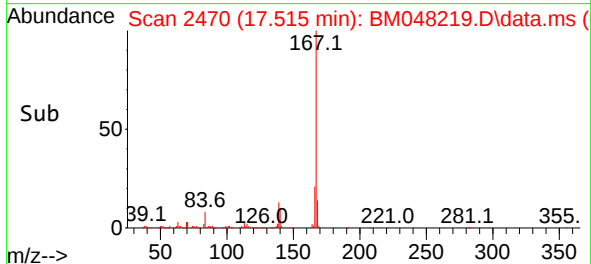
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024



Tgt Ion:167 Resp: 412314
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.2 25.8
 139 12.9 10.4 15.6

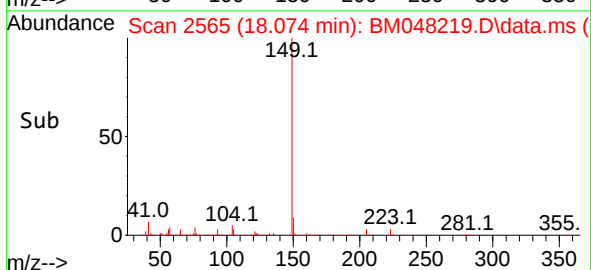
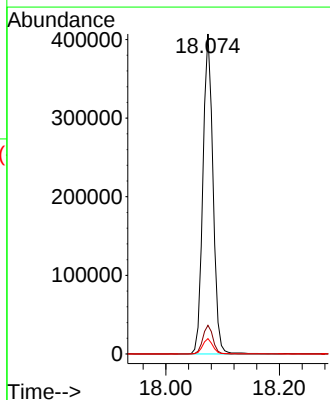
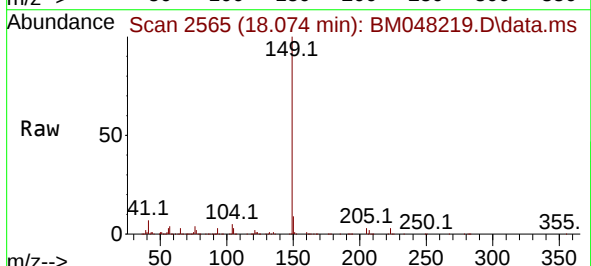
Manual Integrations
 APPROVED

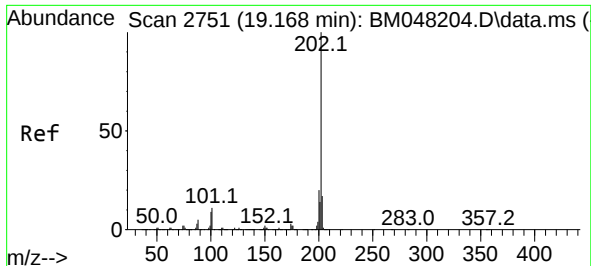
Reviewed By :Yogesh Patel 10/25/2024
 Supervised By :mohammad ahmed 10/26/2024



#74
 Di-n-butylphthalate
 Concen: 11.372 ng
 RT: 18.074 min Scan# 2565
 Delta R.T. -0.006 min
 Lab File: BM048219.D
 Acq: 24 Oct 2024 16:29

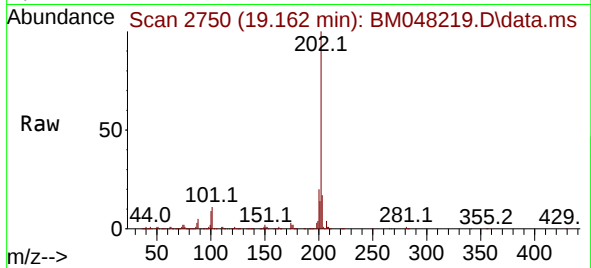
Tgt Ion:149 Resp: 500626
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.2 10.8
 104 4.8 3.8 5.6





#75
Fluoranthene
Concen: 11.645 ng
RT: 19.162 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

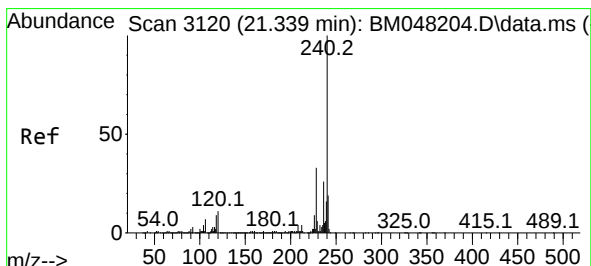
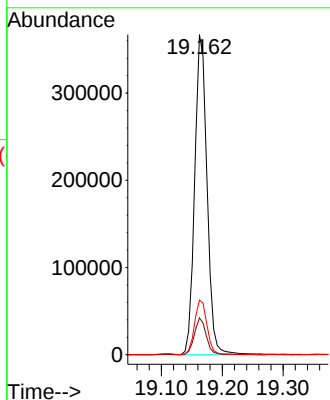
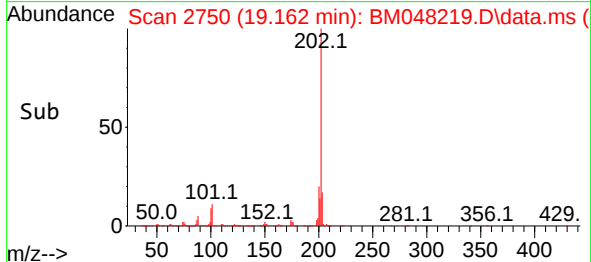
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:202 Resp: 517710
Ion Ratio Lower Upper
202 100
101 11.5 0.0 31.0
203 17.1 0.0 37.5

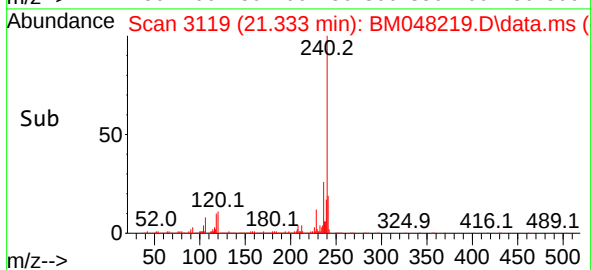
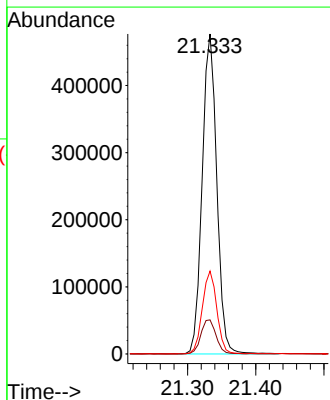
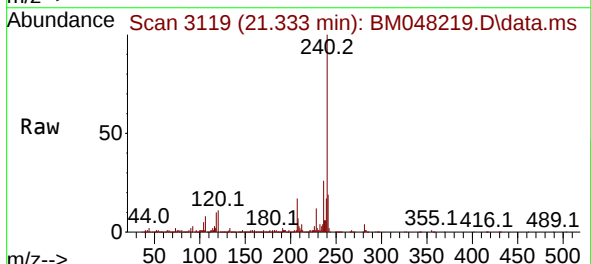
Manual Integrations
APPROVED

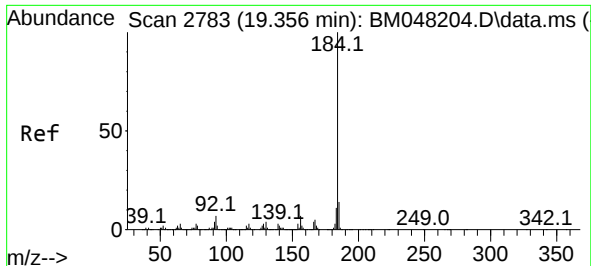
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.333 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

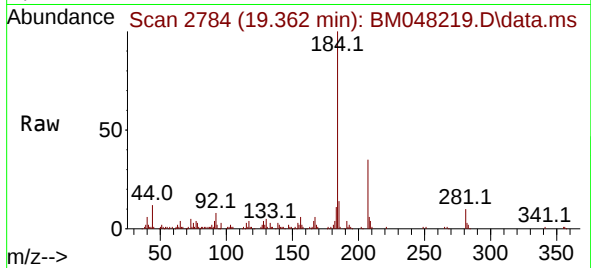
Tgt Ion:240 Resp: 711579
Ion Ratio Lower Upper
240 100
120 10.7 8.6 13.0
236 25.9 20.7 31.1





#77
Benzidine
Concen: 12.838 ng m
RT: 19.362 min Scan# 21
Delta R.T. 0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

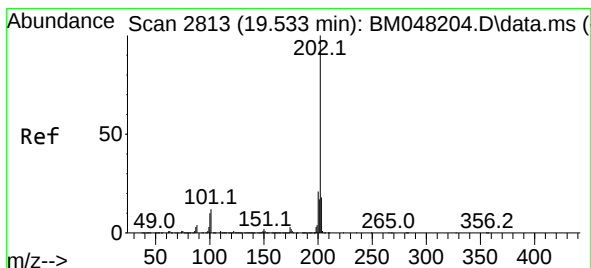
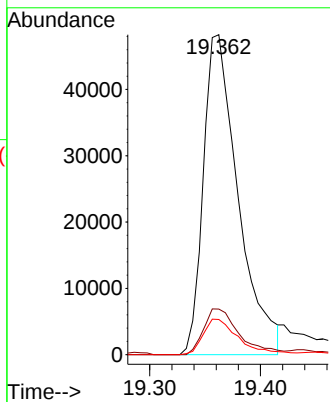
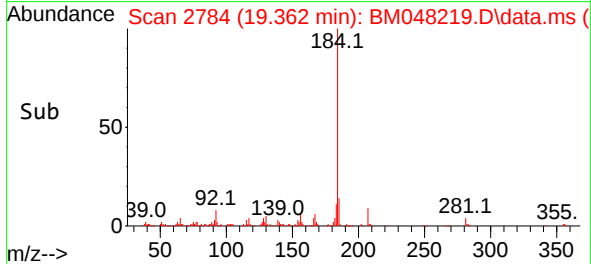
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



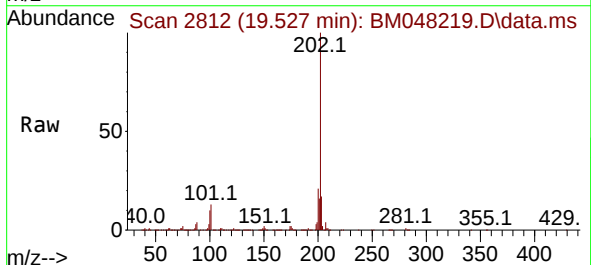
Tgt Ion:184 Resp: 105428
Ion Ratio Lower Upper
184 100
185 14.2 11.4 17.0
183 11.0 9.0 13.4

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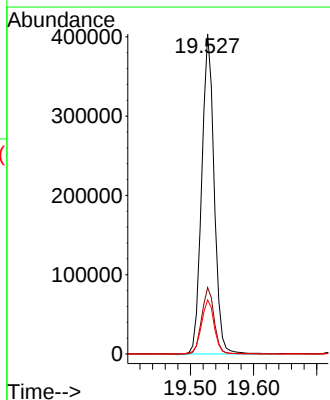
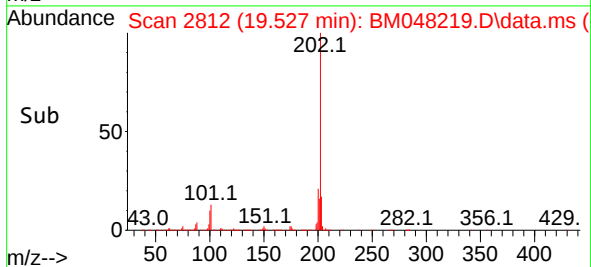
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

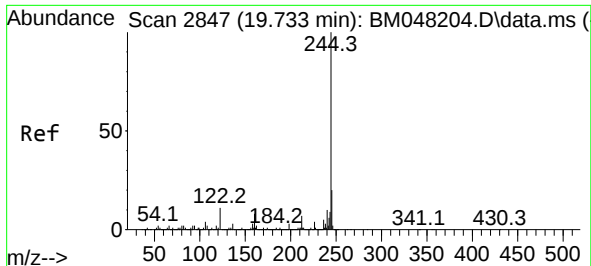


#78
Pyrene
Concen: 11.574 ng
RT: 19.527 min Scan# 2812
Delta R.T. -0.006 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29



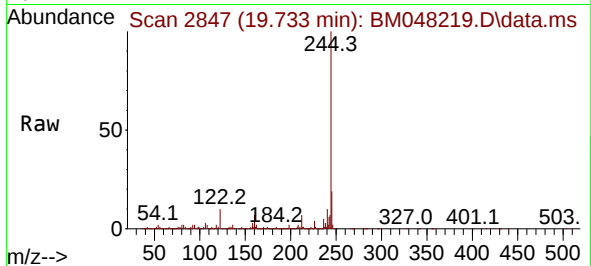
Tgt Ion:202 Resp: 551252
Ion Ratio Lower Upper
202 100
200 20.8 16.9 25.3
203 16.9 14.1 21.1





#79
 Terphenyl-d14
 Concen: 59.790 ng
 RT: 19.733 min Scan# 21
 Delta R.T. -0.000 min
 Lab File: BM048219.D
 Acq: 24 Oct 2024 16:29

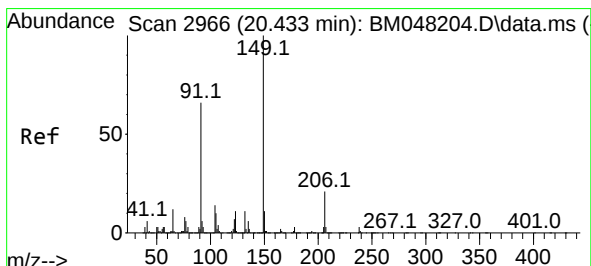
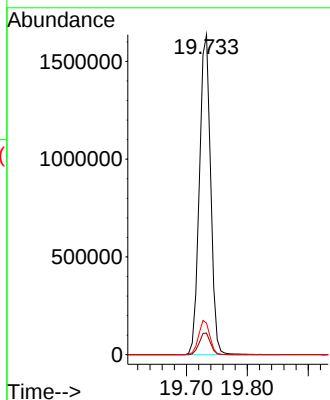
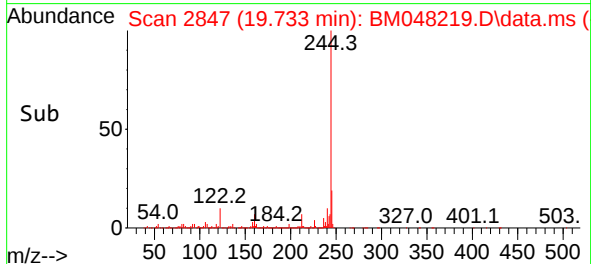
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024



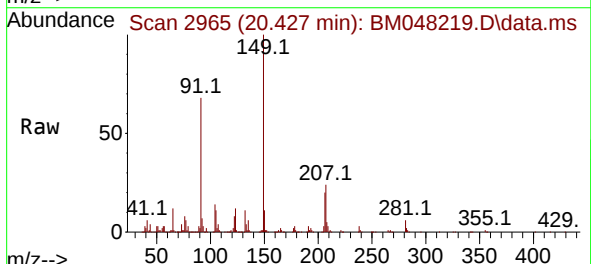
Tgt Ion:244 Resp: 208480
 Ion Ratio Lower Upper
 244 100
 212 6.7 5.6 8.4
 122 9.9 8.8 13.2

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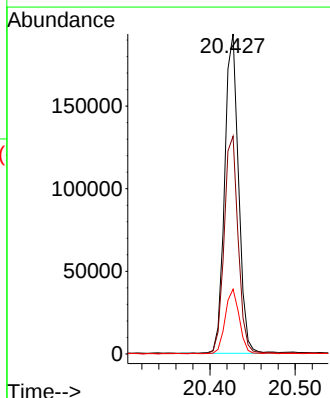
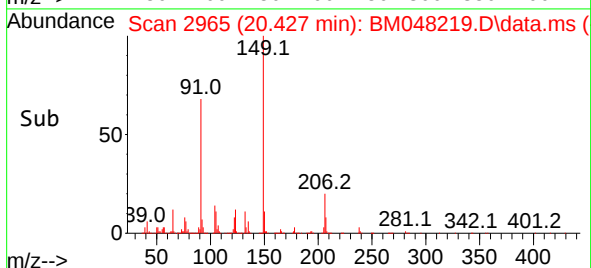
Reviewed By :Yogesh Patel 10/25/2024
 Supervised By :mohammad ahmed 10/26/2024

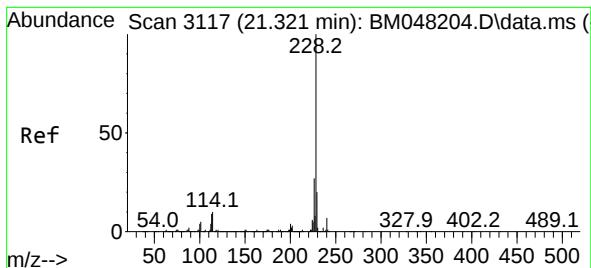


#80
 Butylbenzylphthalate
 Concen: 11.000 ng
 RT: 20.427 min Scan# 2965
 Delta R.T. -0.006 min
 Lab File: BM048219.D
 Acq: 24 Oct 2024 16:29



Tgt Ion:149 Resp: 219089
 Ion Ratio Lower Upper
 149 100
 91 68.1 52.5 78.7
 206 20.3 17.0 25.6





#81

Benzo(a)anthracene

Concen: 12.016 ng

RT: 21.315 min Scan# 3117

Delta R.T. -0.006 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

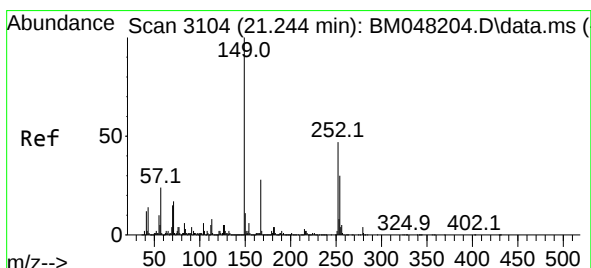
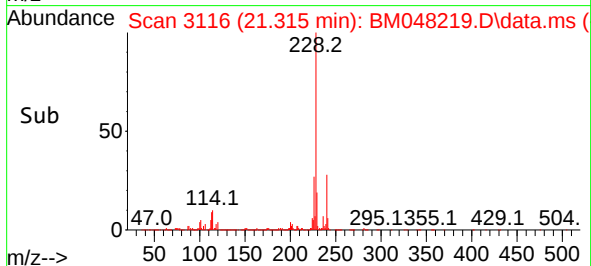
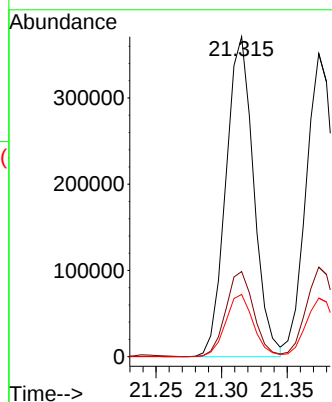
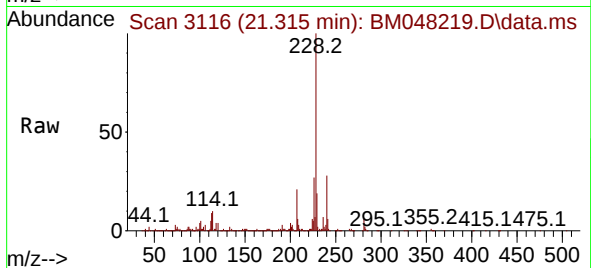
Tgt Ion:228 Resp: 546384
 Ion Ratio Lower Upper
 228 100
 226 26.6 21.5 32.3
 229 19.5 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#82

3,3'-Dichlorobenzidine

Concen: 11.933 ng

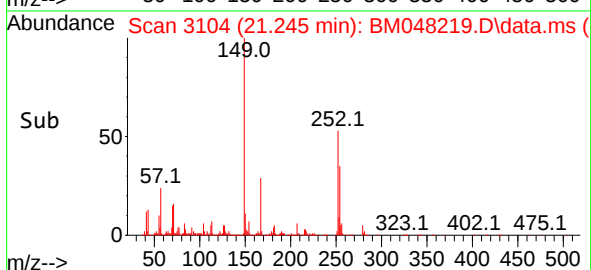
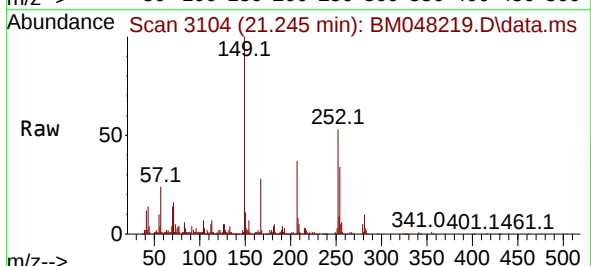
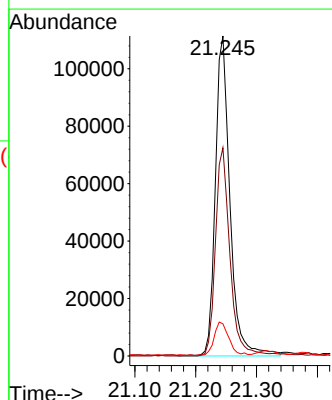
RT: 21.245 min Scan# 3104

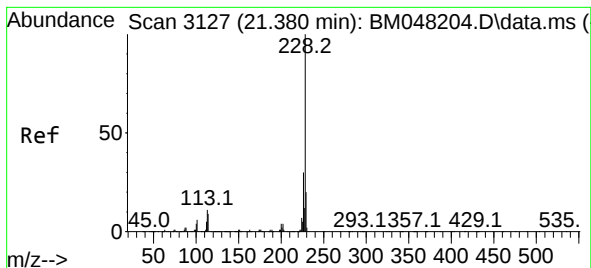
Delta R.T. 0.000 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

Tgt Ion:252 Resp: 185855
 Ion Ratio Lower Upper
 252 100
 254 65.0 51.8 77.8
 126 10.1 8.8 13.2





#83

Chrysene

Concen: 12.283 ng

RT: 21.374 min Scan# 3127

Delta R.T. -0.006 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

Instrument :

BNA_M

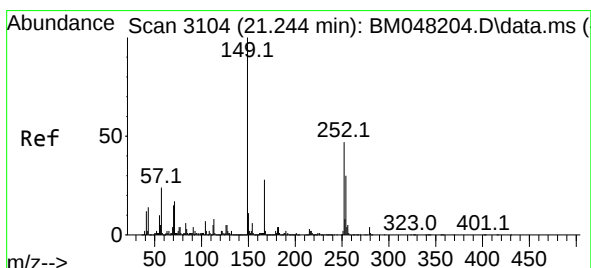
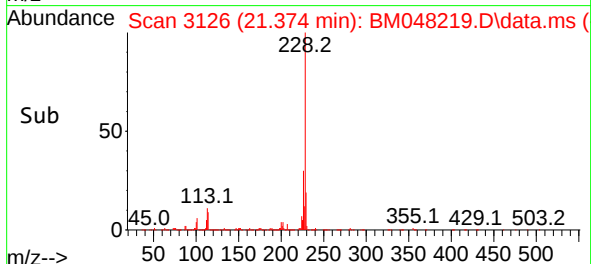
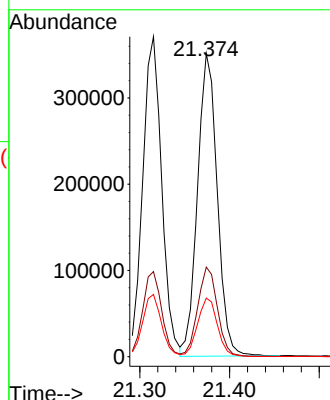
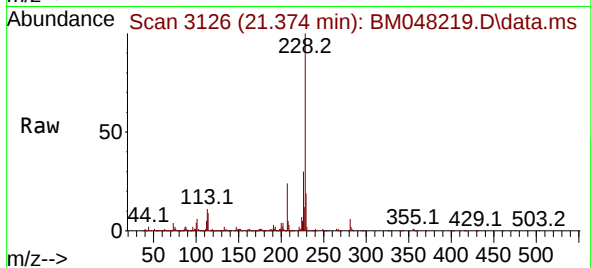
ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:228 Resp: 53609
 Ion Ratio Lower Upper
 228 100
 226 29.5 23.5 35.3
 229 19.3 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: 11.645 ng

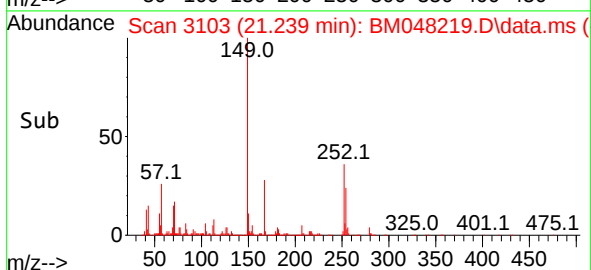
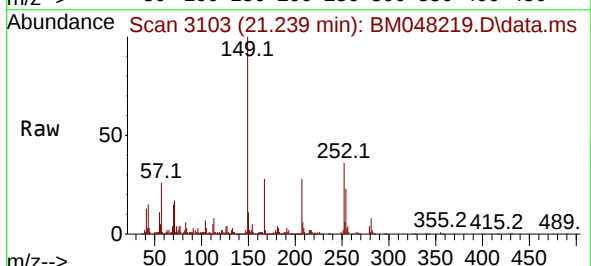
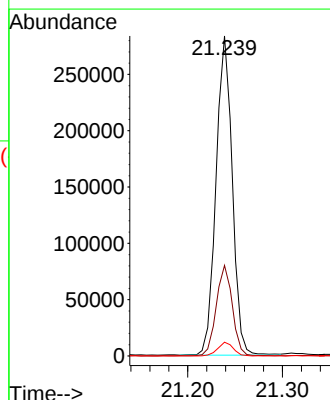
RT: 21.239 min Scan# 3103

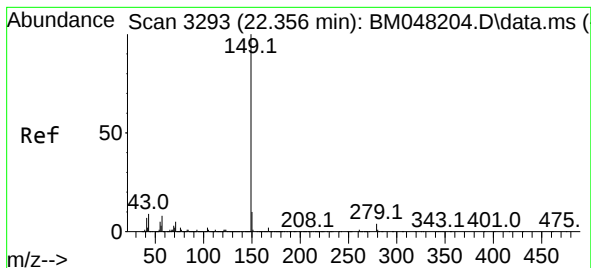
Delta R.T. -0.006 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

Tgt Ion:149 Resp: 337099
 Ion Ratio Lower Upper
 149 100
 167 28.3 22.5 33.7
 279 4.3 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 10.729 ng

RT: 22.350 min Scan# 31

Delta R.T. -0.006 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

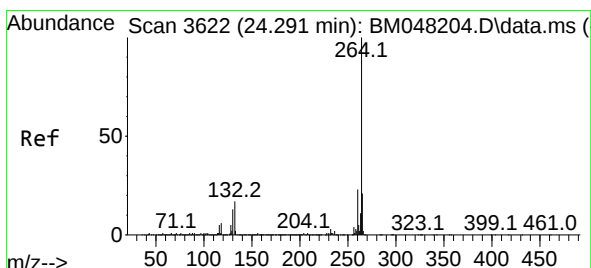
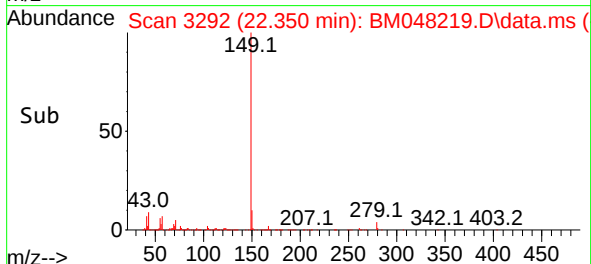
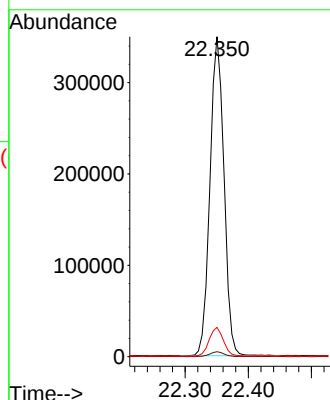
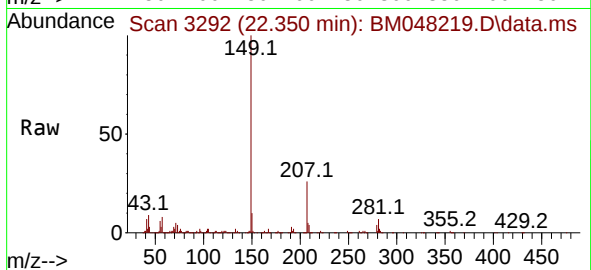
Tgt Ion:	149	Resp:	53791
Ion Ratio	Lower	Upper	
149	100		
167	1.7	1.2	1.8
43	9.2	7.3	10.9

Manual Integrations

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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

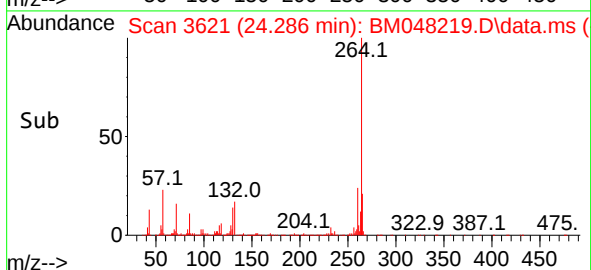
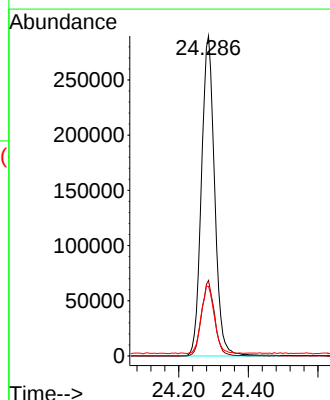
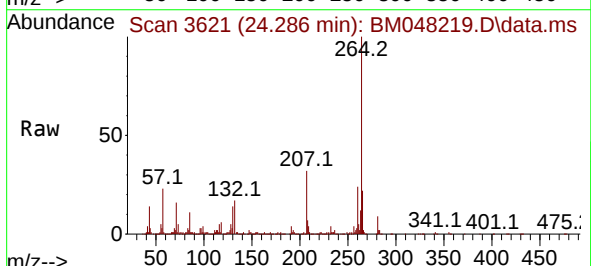
RT: 24.286 min Scan# 3621

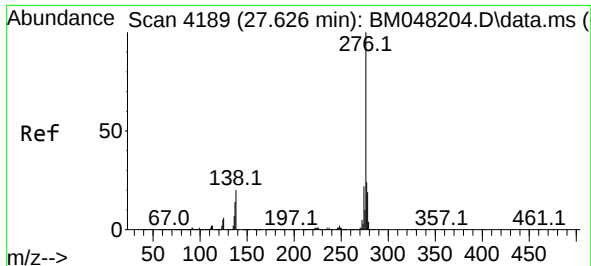
Delta R.T. -0.006 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

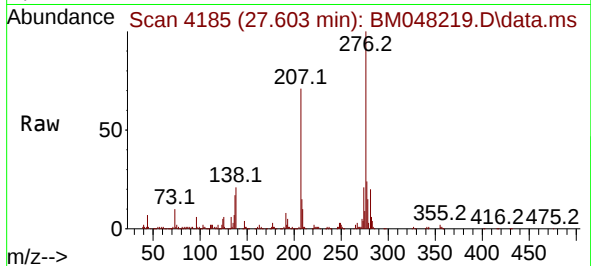
Tgt Ion:	264	Resp:	762405
Ion Ratio	Lower	Upper	
264	100		
260	23.6	18.6	27.8
265	21.7	17.4	26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 12.780 ng
RT: 27.603 min Scan# 4189
Delta R.T. -0.023 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29

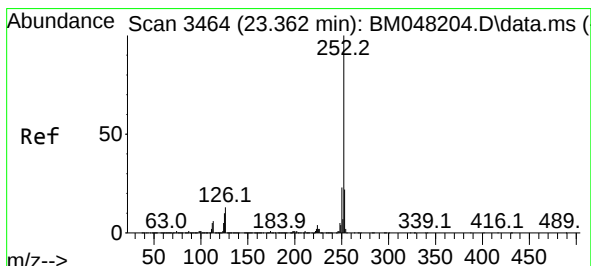
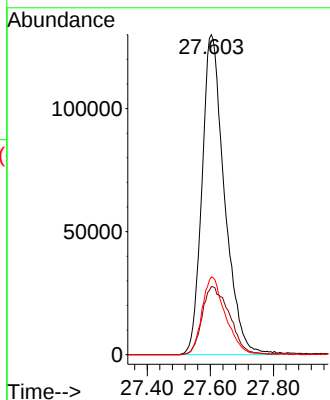
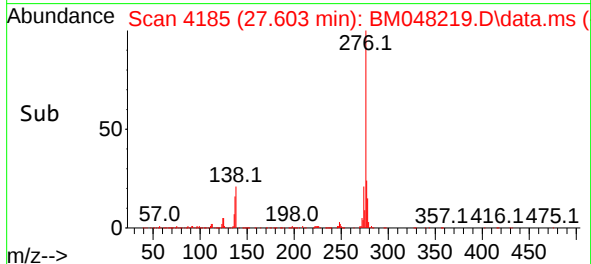
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



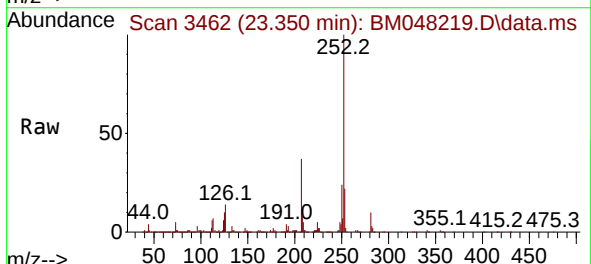
Tgt Ion:276 Resp: 644290
Ion Ratio Lower Upper
276 100
138 25.8 19.8 29.6
277 25.3 20.0 30.0

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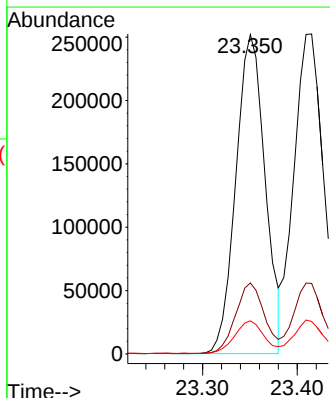
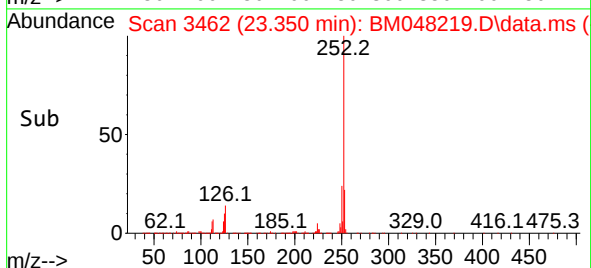
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

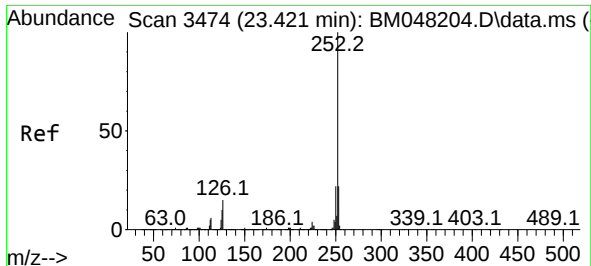


#88
Benzo(b)fluoranthene
Concen: 12.355 ng
RT: 23.350 min Scan# 3462
Delta R.T. -0.012 min
Lab File: BM048219.D
Acq: 24 Oct 2024 16:29



Tgt Ion:252 Resp: 540071
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.6
125 10.4 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 13.333 ng

RT: 23.415 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

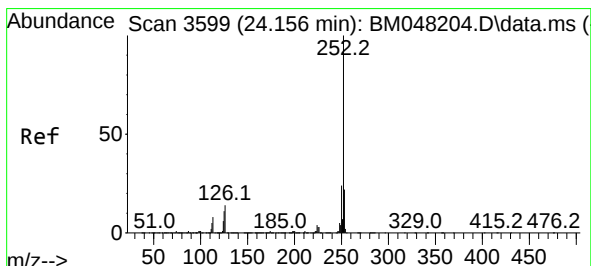
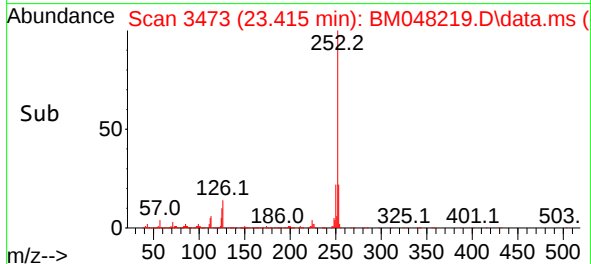
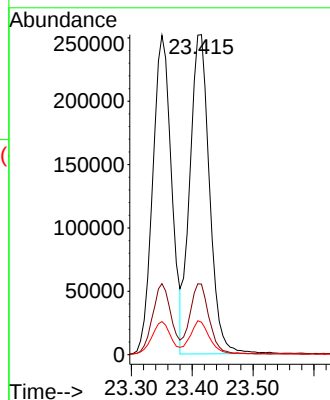
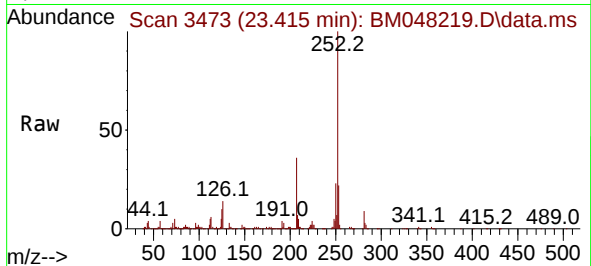
Tgt Ion:252 Resp: 563528
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.8 26.8
 125 10.2 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#90

Benzo(a)pyrene

Concen: 12.990 ng

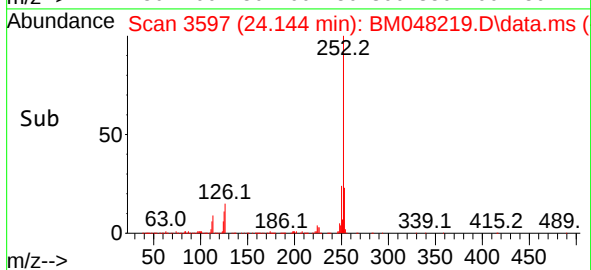
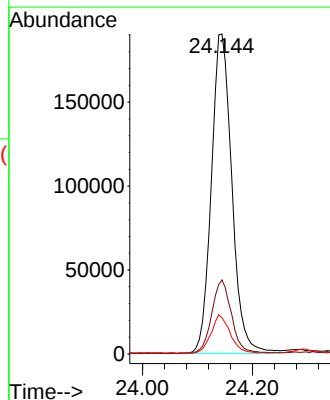
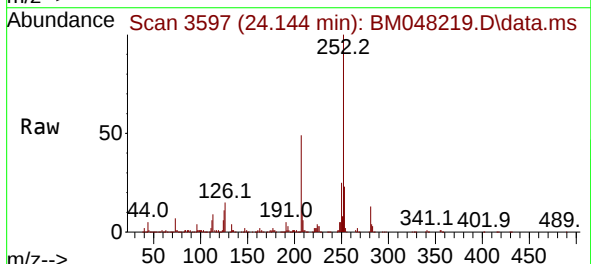
RT: 24.144 min Scan# 3597

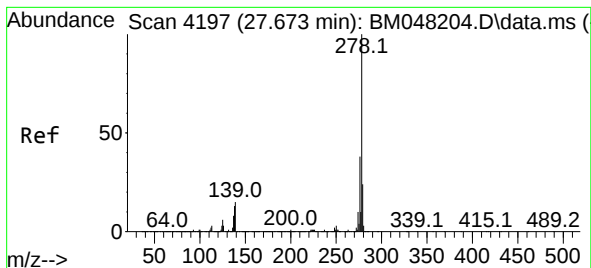
Delta R.T. -0.012 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

Tgt Ion:252 Resp: 493677
 Ion Ratio Lower Upper
 252 100
 253 23.1 17.3 25.9
 125 11.4 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 12.647 ng

RT: 27.656 min Scan# 41

Delta R.T. -0.017 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:278 Resp: 53096

Ion Ratio Lower Upper

278 100

139 15.6 12.2 18.4

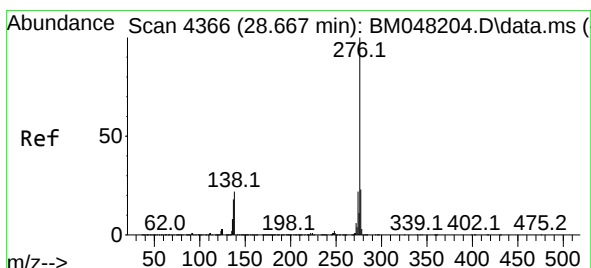
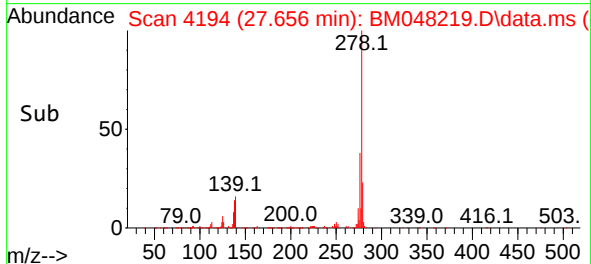
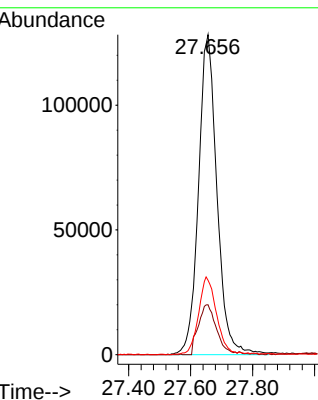
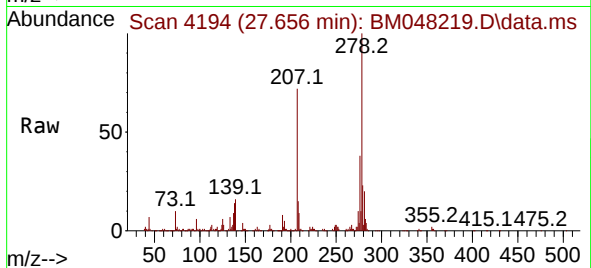
279 23.2 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#92

Benzo(g,h,i)perylene

Concen: 11.913 ng

RT: 28.638 min Scan# 4361

Delta R.T. -0.029 min

Lab File: BM048219.D

Acq: 24 Oct 2024 16:29

Tgt Ion:276 Resp: 512134

Ion Ratio Lower Upper

276 100

277 24.2 18.5 27.7

138 21.2 17.5 26.3

