

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM102424\
 Data File : BM048216.D
 Acq On : 24 Oct 2024 14:30
 Operator : RC/JU
 Sample : P4368-02
 Misc : LOQ-SOIL-05 ng
 ALS Vial : 7 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Oct 24 15:06:52 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.722	152	190081	20.000	ng	0.00
21) Naphthalene-d8	10.510	136	760664	20.000	ng	0.00
39) Acenaphthene-d10	14.363	164	481809	20.000	ng	0.00
64) Phenanthrene-d10	17.109	188	989269	20.000	ng	0.00
76) Chrysene-d12	21.333	240	958330	20.000	ng	0.00
86) Perylene-d12	24.285	264	1057061	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.304	112	1262416	111.639	ng	0.00
7) Phenol-d6	6.898	99	1673832	113.660	ng	0.00
23) Nitrobenzene-d5	8.875	82	1097558	81.470	ng	0.00
42) 2,4,6-Tribromophenol	15.857	330	677396	114.864	ng	0.00
45) 2-Fluorobiphenyl	12.986	172	2570014	81.851	ng	0.00
79) Terphenyl-d14	19.733	244	3605141	76.770	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.205	88	26762	5.782	ng	99
3) Pyridine	3.616	79	61741	5.021	ng	95
4) n-Nitrosodimethylamine	3.516	42	29227	5.598	ng	# 99
6) Aniline	7.051	93	88128	7.209	ng	99
8) 2-Chlorophenol	7.287	128	73694	5.999	ng	95
9) Benzaldehyde	6.863	77	58689m	8.111	ng	
10) Phenol	6.928	94	87766	5.924	ng	97
11) bis(2-Chloroethyl)ether	7.145	93	69626	5.900	ng	99
12) 1,3-Dichlorobenzene	7.610	146	82078	5.795	ng	97
13) 1,4-Dichlorobenzene	7.757	146	84279	5.857	ng	99
14) 1,2-Dichlorobenzene	8.069	146	80532	5.791	ng	98
15) Benzyl Alcohol	7.969	79	51686	5.501	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.239	45	107320	6.217	ng	99
17) 2-Methylphenol	8.175	107	52204	5.302	ng	96
18) Hexachloroethane	8.792	117	29561	5.605	ng	98
19) n-Nitroso-di-n-propyla...	8.528	70	52164	5.599	ng	99
20) 3+4-Methylphenols	8.504	107	70011	5.133	ng	96
22) Acetophenone	8.545	105	110455	5.950	ng	# 98
24) Nitrobenzene	8.922	77	79841	5.720	ng	99
25) Isophorone	9.445	82	140494	5.689	ng	100
26) 2-Nitrophenol	9.633	139	33019	5.123	ng	97
27) 2,4-Dimethylphenol	9.698	122	29357m	3.754	ng	
28) bis(2-Chloroethoxy)met...	9.928	93	87058	5.571	ng	98
29) 2,4-Dichlorophenol	10.181	162	57112	5.077	ng	97
30) 1,2,4-Trichlorobenzene	10.375	180	71773	5.571	ng	98
31) Naphthalene	10.557	128	227037	5.723	ng	99
32) Benzoic acid	9.786	122	35756m	4.108	ng	
33) 4-Chloroaniline	10.686	127	75929	5.901	ng	98
34) Hexachlorobutadiene	10.845	225	43662	5.468	ng	94
35) Caprolactam	11.457	113	18804	5.146	ng	96
36) 4-Chloro-3-methylphenol	11.816	107	61210	5.213	ng	98
37) 2-Methylnaphthalene	12.180	142	151050	5.698	ng	100
38) 1-Methylnaphthalene	12.398	142	140116	5.331	ng	98
40) 1,2,4,5-Tetrachloroben...	12.551	216	80348	5.835	ng	99
41) Hexachlorocyclopentadiene	12.527	237	8824	1.894	ng	87
43) 2,4,6-Trichlorophenol	12.798	196	48526	5.310	ng	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.880	196	53594	5.259	ng	99
46) 1,1'-Biphenyl	13.198	154	212115	6.166	ng	98
47) 2-Chloronaphthalene	13.239	162	155142	5.720	ng	99
48) 2-Nitroaniline	13.451	65	37751	5.132	ng	99
49) Acenaphthylene	14.086	152	245299	6.199	ng	98
50) Dimethylphthalate	13.821	163	193522	5.884	ng	99
51) 2,6-Dinitrotoluene	13.939	165	37419	5.099	ng	93
52) Acenaphthene	14.427	154	146921	5.843	ng	100
53) 3-Nitroaniline	14.280	138	33498	4.840	ng	# 91
54) 2,4-Dinitrophenol	14.492	184	15755	3.674	ng	95
55) Dibenzofuran	14.763	168	240967	6.032	ng	99
56) 4-Nitrophenol	14.616	139	23636	3.826	ng	91
57) 2,4-Dinitrotoluene	14.739	165	47269	4.877	ng	99
58) Fluorene	15.415	166	186834	5.915	ng	100
59) 2,3,4,6-Tetrachlorophenol	14.998	232	47858	5.666	ng	99
60) Diethylphthalate	15.186	149	188773	5.668	ng	99
61) 4-Chlorophenyl-phenyle...	15.410	204	94075	5.956	ng	97
62) 4-Nitroaniline	15.445	138	29940	4.180	ng	91
63) Azobenzene	15.704	77	169180	5.668	ng	99
65) 4,6-Dinitro-2-methylph...	15.504	198	23604	4.112	ng	95
66) n-Nitrosodiphenylamine	15.621	169	156039	5.746	ng	98
67) 4-Bromophenyl-phenylether	16.304	248	55689	5.552	ng	94
68) Hexachlorobenzene	16.415	284	68759	5.708	ng	99
69) Atrazine	16.574	200	53078	6.985	ng	98
70) Pentachlorophenol	16.768	266	38218	4.832	ng	98
71) Phenanthrene	17.151	178	294412	6.010	ng	99
72) Anthracene	17.245	178	255027	5.378	ng	99
73) Carbazole	17.515	167	253638	5.456	ng	99
74) Di-n-butylphthalate	18.074	149	316083	5.463	ng	100
75) Fluoranthene	19.168	202	333422	5.706	ng	99
77) Benzidine	19.362	184	56310	5.091	ng	96
78) Pyrene	19.527	202	353234	5.507	ng	99
80) Butylbenzylphthalate	20.427	149	140769	5.248	ng	97
81) Benzo(a)anthracene	21.315	228	352330	5.753	ng	98
82) 3,3'-Dichlorobenzidine	21.245	252	112857	5.380	ng	98
83) Chrysene	21.374	228	348937	5.936	ng	100
84) Bis(2-ethylhexyl)phtha...	21.239	149	217804	5.587	ng	99
85) Di-n-octyl phthalate	22.350	149	343935	5.094	ng	# 98
87) Indeno(1,2,3-cd)pyrene	27.603	276	416831	5.963	ng	99
88) Benzo(b)fluoranthene	23.356	252	355454	5.865	ng	99
89) Benzo(k)fluoranthene	23.415	252	355028	6.059	ng	99
90) Benzo(a)pyrene	24.144	252	315454	5.987	ng	99
91) Dibenzo(a,h)anthracene	27.662	278	350785	6.026	ng	99
92) Benzo(g,h,i)perylene	28.644	276	332635	5.581	ng	99

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

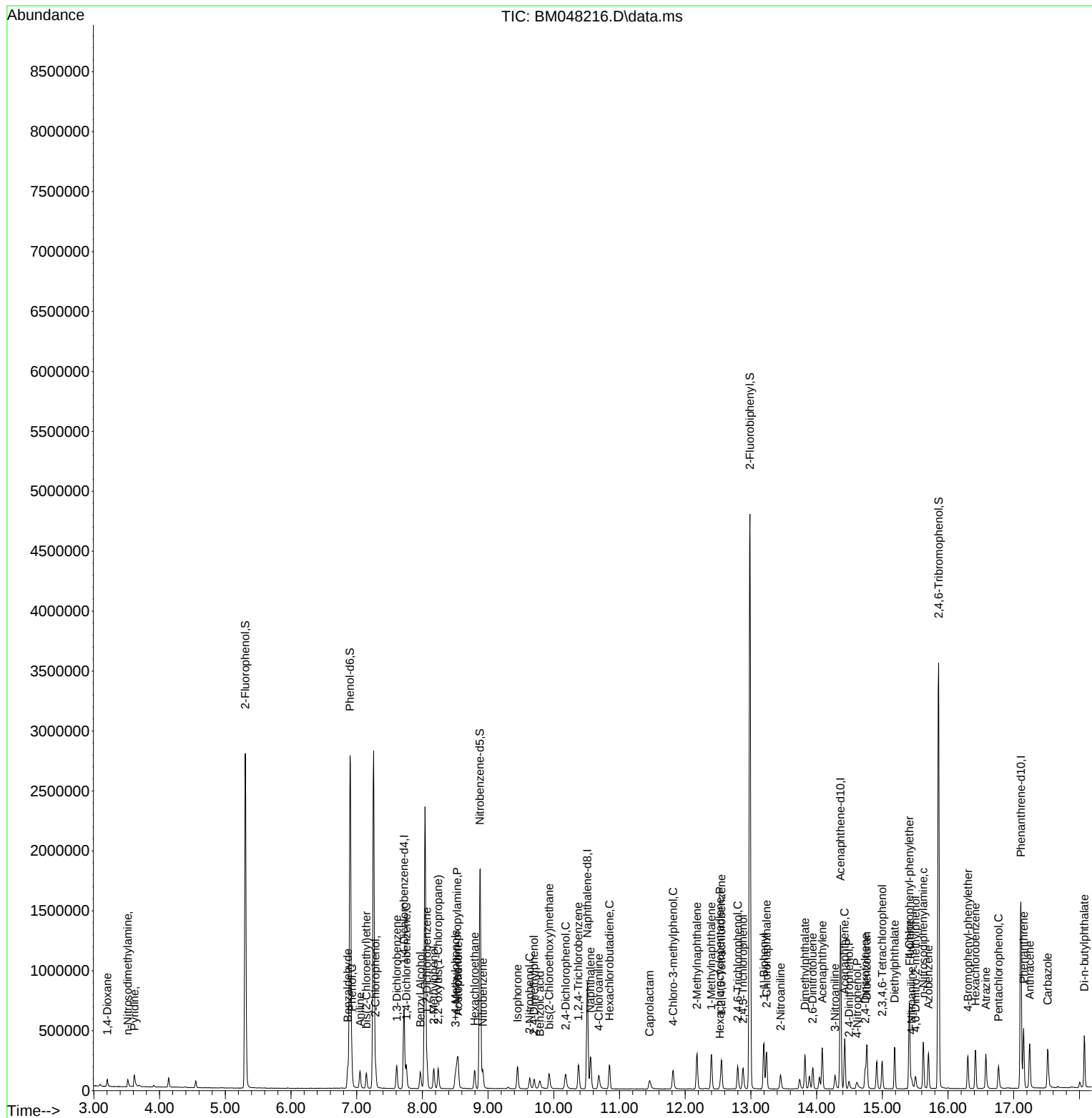
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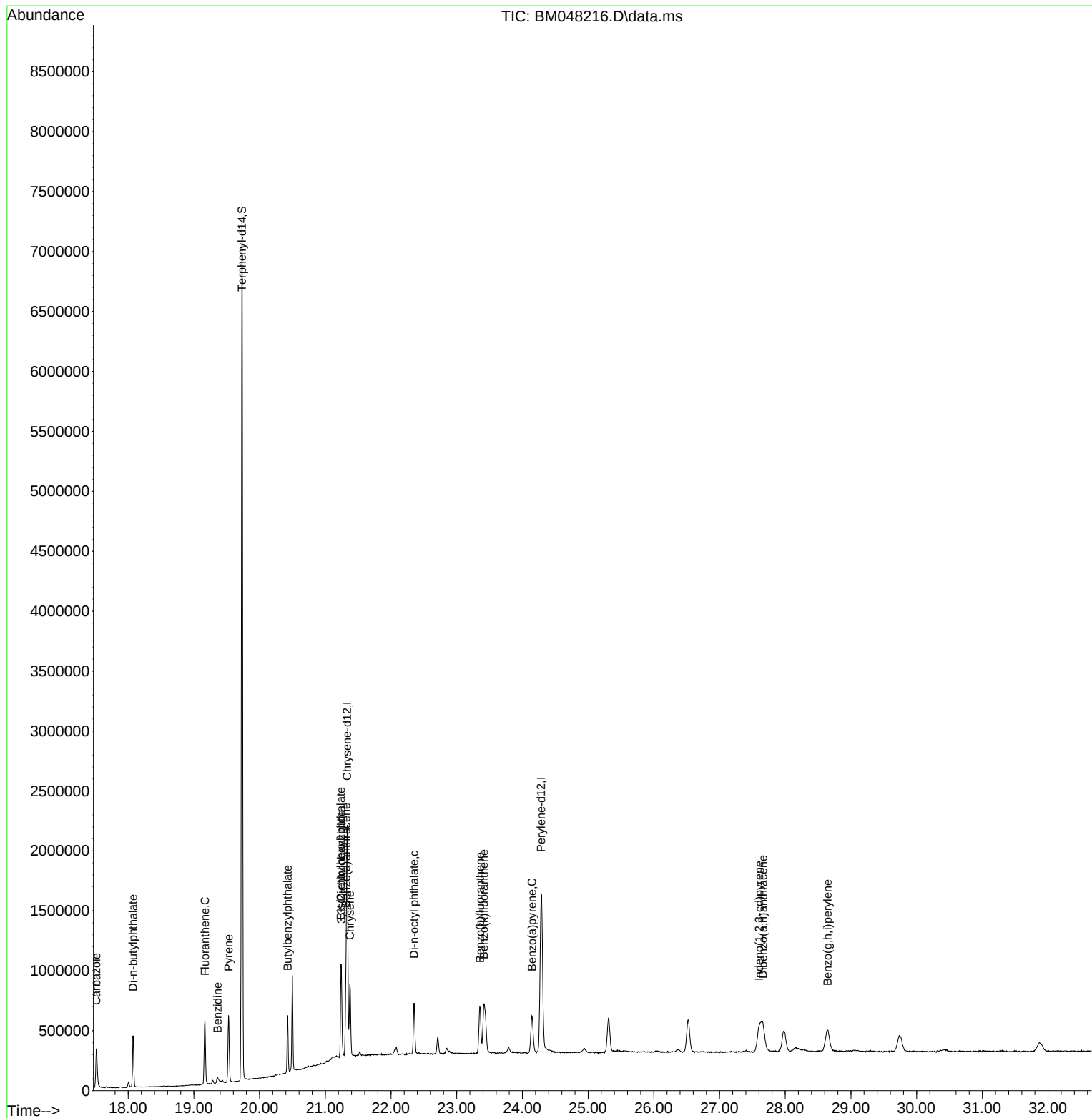
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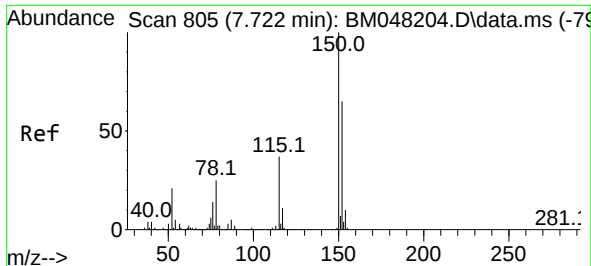
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ClientSampleId :
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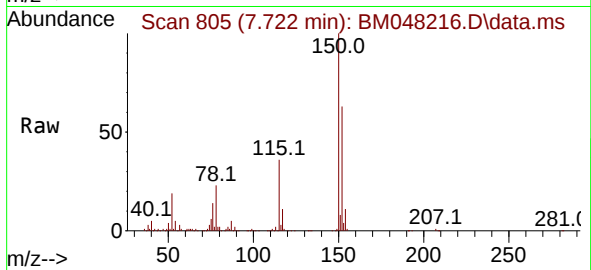
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.722 min Scan# 805
Delta R.T. -0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

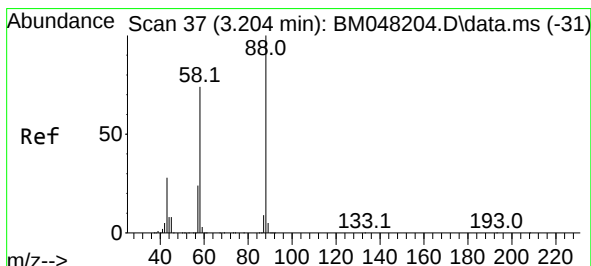
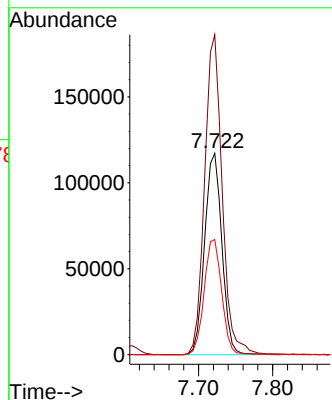
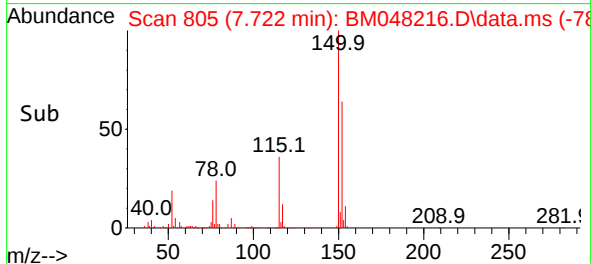
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ClientSampleId :
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Tgt Ion:152 Resp: 19008
Ion Ratio Lower Upper
152 100
150 158.9 123.0 184.6
115 57.2 45.8 68.6

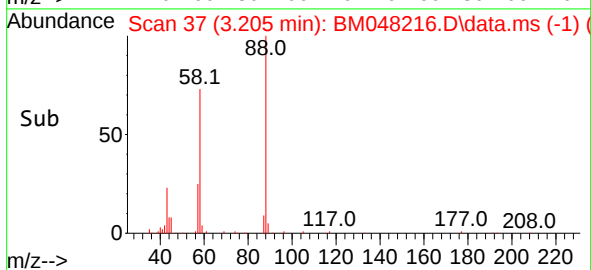
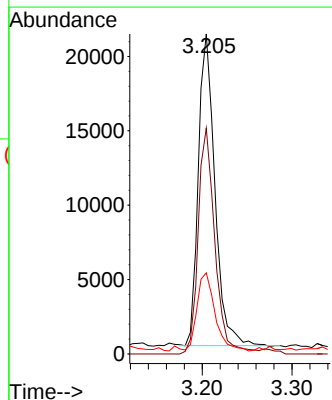
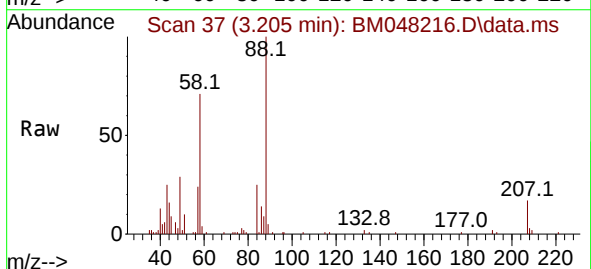
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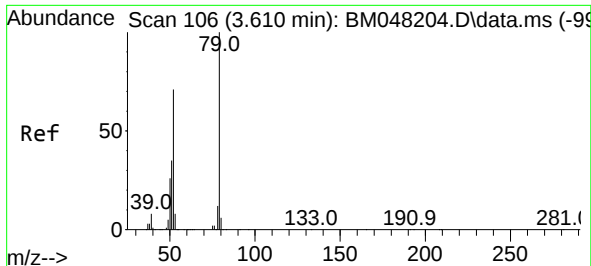
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#2
1,4-Dioxane
Concen: 5.782 ng
RT: 3.205 min Scan# 37
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

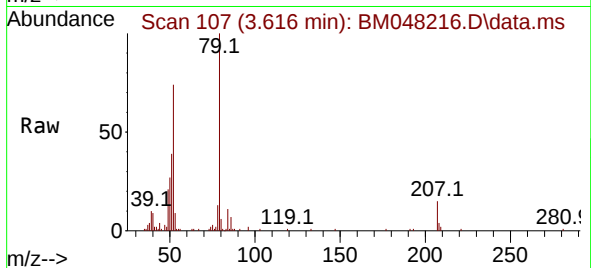
Tgt Ion: 88 Resp: 26762
Ion Ratio Lower Upper
88 100
58 73.5 59.7 89.5
43 27.3 22.6 33.8





#3
Pyridine
Concen: 5.021 ng
RT: 3.616 min Scan# 106
Delta R.T. 0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

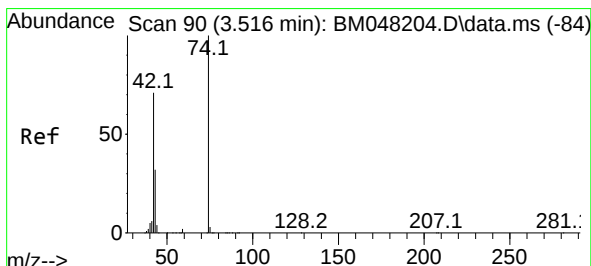
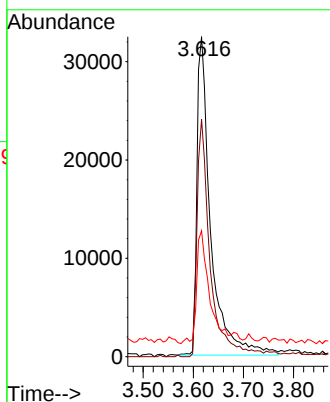
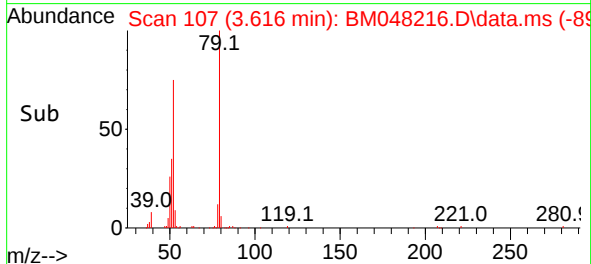
Instrument :
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ClientSampleId :
LOQ-SOIL-02-QT4-2024



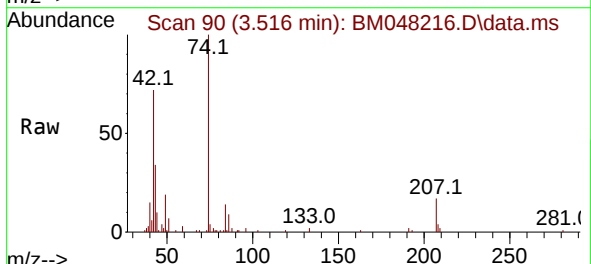
Tgt Ion: 79 Resp: 6174
Ion Ratio Lower Upper
79 100
52 74.2 56.5 84.7
51 39.4 28.5 42.7

Manual Integrations
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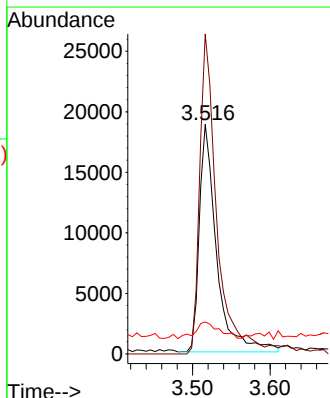
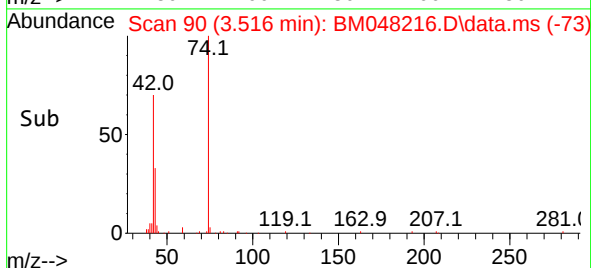
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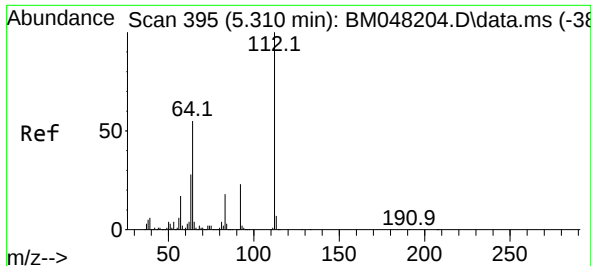


#4
n-Nitrosodimethylamine
Concen: 5.598 ng
RT: 3.516 min Scan# 90
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30



Tgt Ion: 42 Resp: 29227
Ion Ratio Lower Upper
42 100
74 139.4 111.8 167.6
44 13.9 6.0 9.0





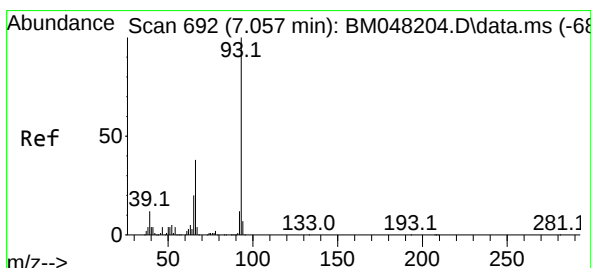
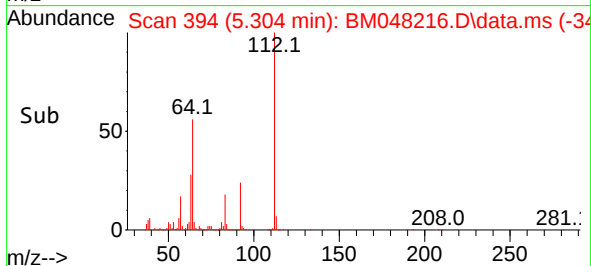
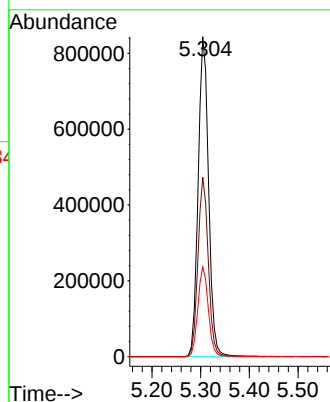
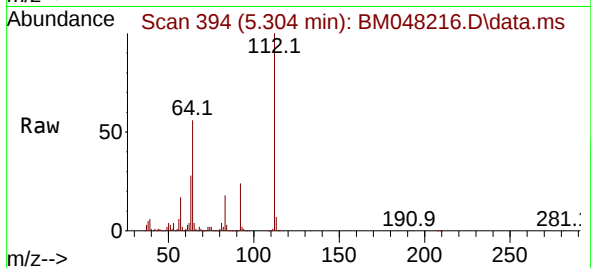
#5
2-Fluorophenol
Concen: 111.639 ng
RT: 5.304 min Scan# 395
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

Instrument :
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ClientSampleId :
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Tgt Ion:112 Resp: 1262410
Ion Ratio Lower Upper
112 100
64 56.1 44.2 66.2
63 28.0 22.7 34.1

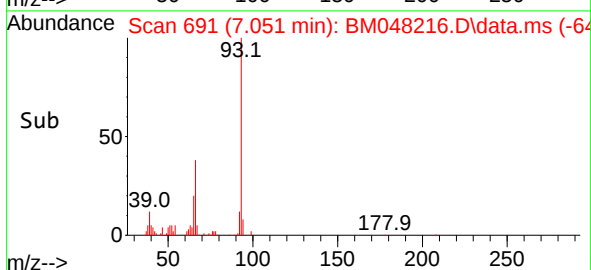
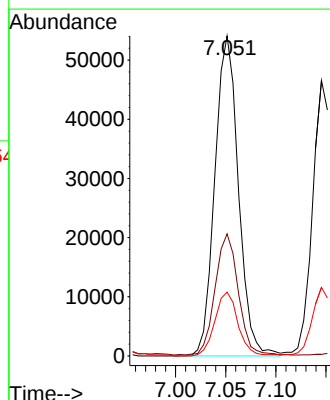
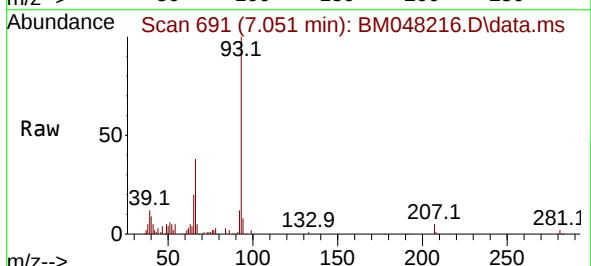
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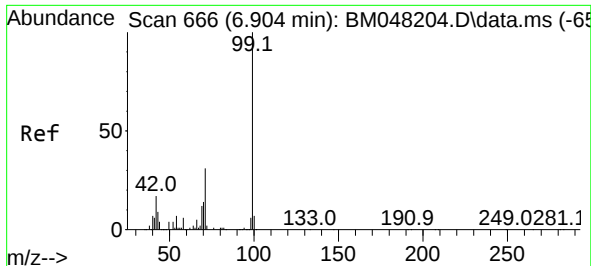
Reviewed By :Yogesh Patel 10/25/2024
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#6
Aniline
Concen: 7.209 ng
RT: 7.051 min Scan# 691
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

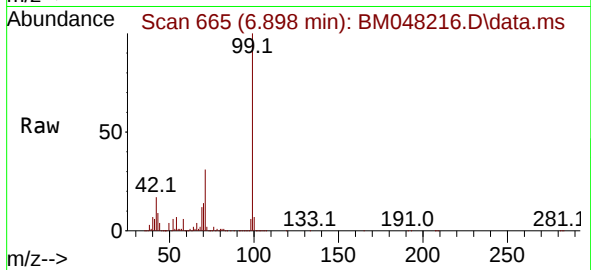
Tgt Ion: 93 Resp: 88128
Ion Ratio Lower Upper
93 100
66 38.2 30.2 45.2
65 19.9 16.2 24.2





#7
Phenol-d6
Concen: 113.660 ng
RT: 6.898 min Scan# 60
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

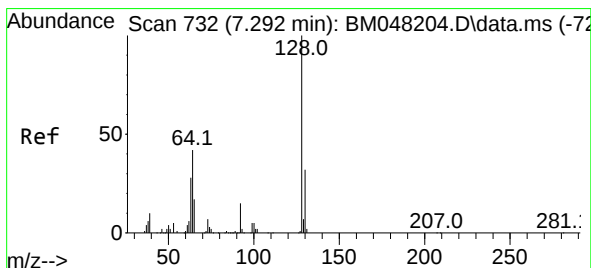
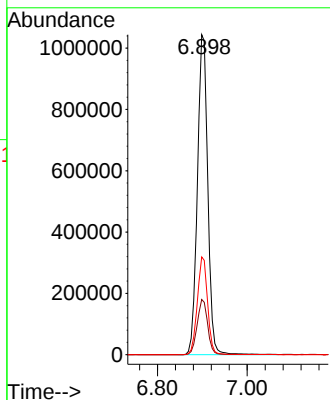
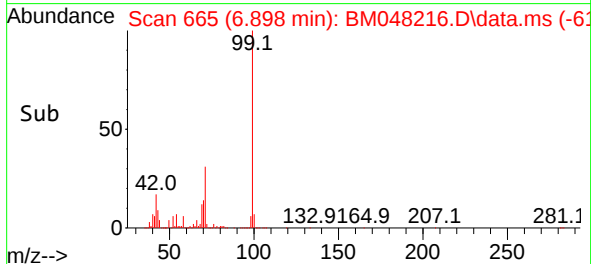
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 99 Resp: 167383
Ion Ratio Lower Upper
99 100
42 17.3 13.8 20.8
71 30.6 24.9 37.3

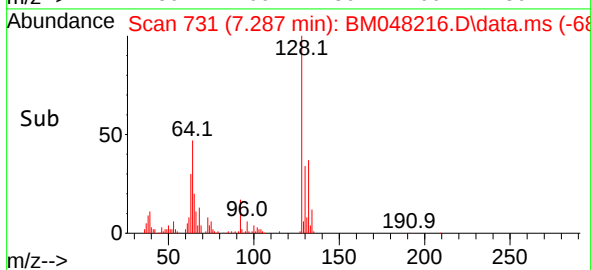
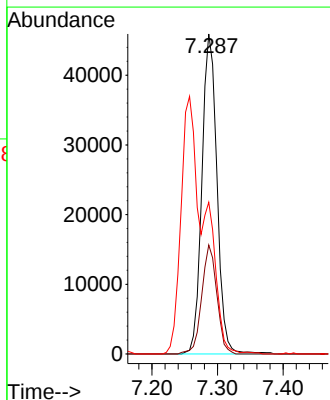
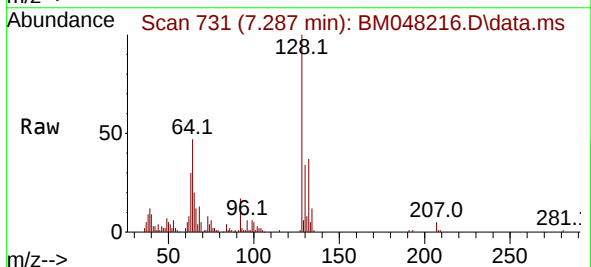
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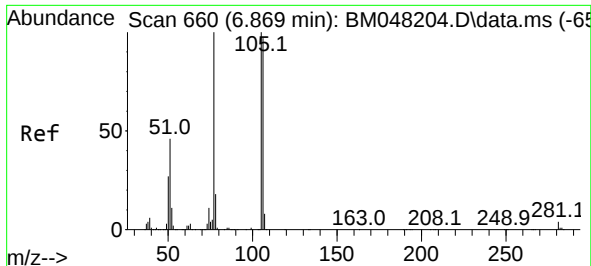
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#8
2-Chlorophenol
Concen: 5.999 ng
RT: 7.287 min Scan# 731
Delta R.T. -0.006 min
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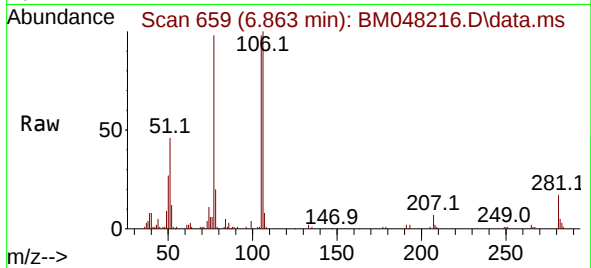
Tgt Ion:128 Resp: 73694
Ion Ratio Lower Upper
128 100
130 34.0 12.1 52.1
64 47.4 23.8 63.8





#9
Benzaldehyde
Concen: 8.111 ng m
RT: 6.863 min Scan# 6
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

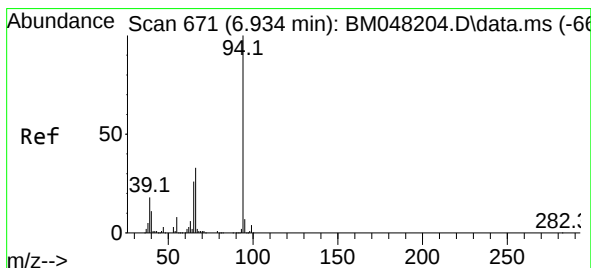
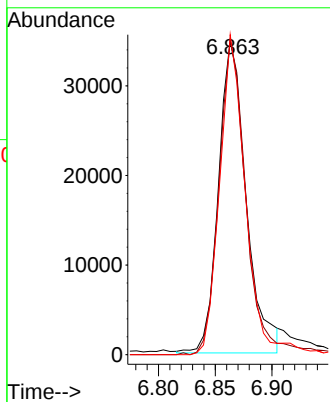
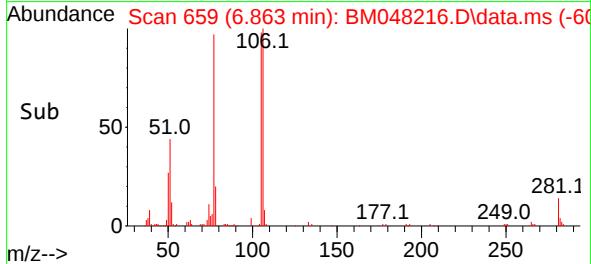
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 77 Resp: 5868
Ion Ratio Lower Upper
77 100
105 99.7 79.6 119.6
106 101.7 77.0 117.0

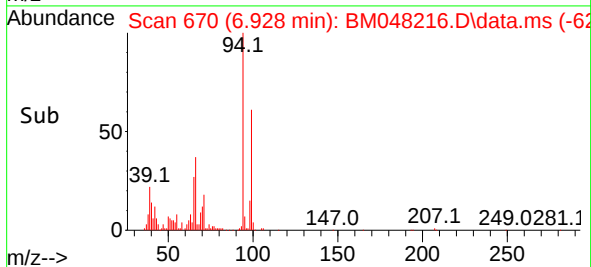
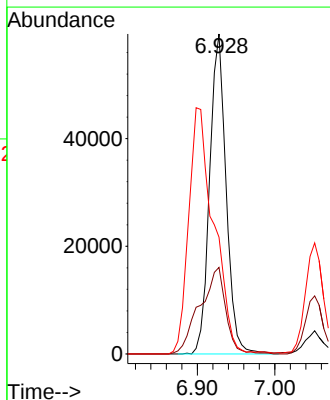
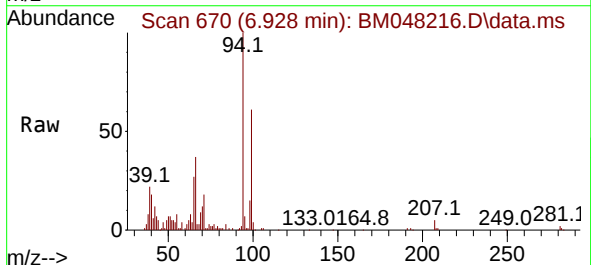
Manual Integrations
APPROVED

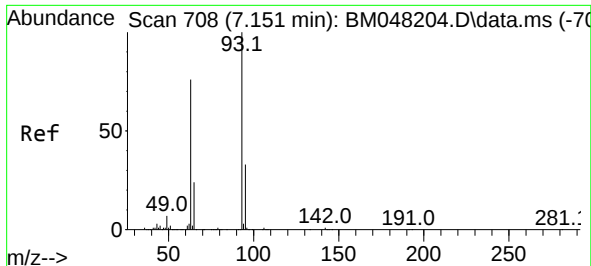
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#10
Phenol
Concen: 5.924 ng
RT: 6.928 min Scan# 670
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

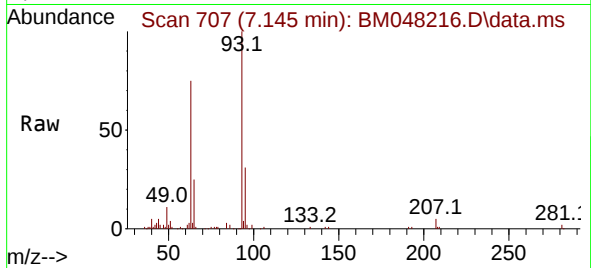
Tgt Ion: 94 Resp: 87766
Ion Ratio Lower Upper
94 100
65 27.0 6.5 46.5
66 36.5 13.6 53.6





#11
bis(2-Chloroethyl)ether
Concen: 5.900 ng
RT: 7.145 min Scan# 708
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

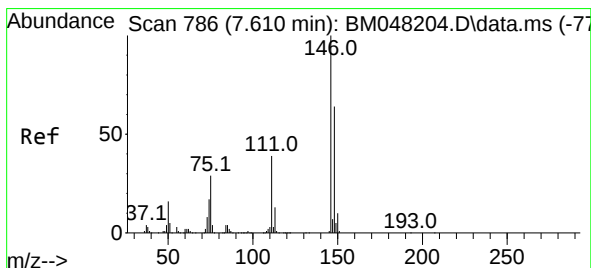
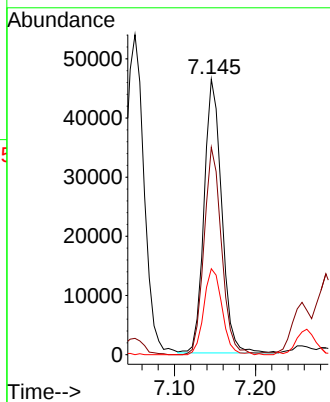
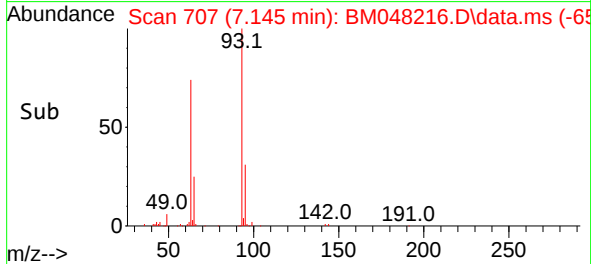
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 93 Resp: 69620
Ion Ratio Lower Upper
93 100
63 75.3 55.3 95.3
95 31.2 12.4 52.4

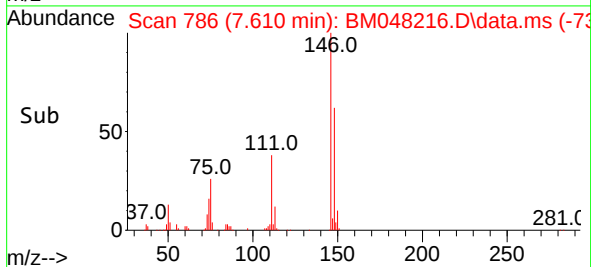
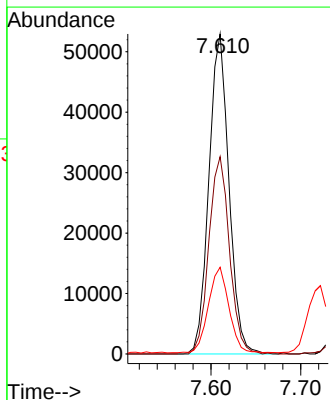
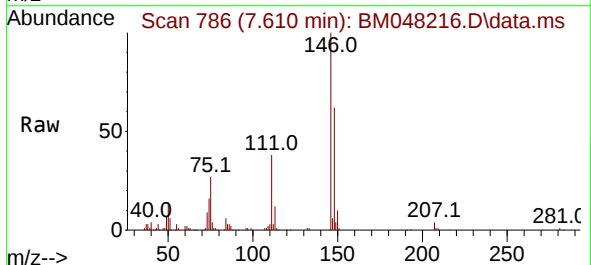
Manual Integrations
APPROVED

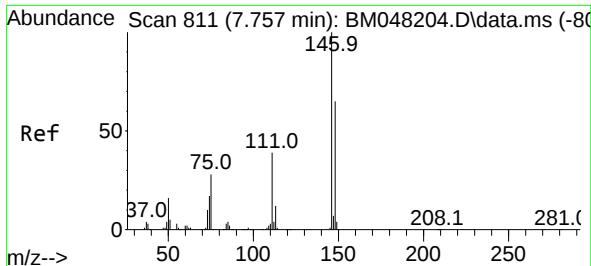
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#12
1,3-Dichlorobenzene
Concen: 5.795 ng
RT: 7.610 min Scan# 786
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

Tgt Ion:146 Resp: 82078
Ion Ratio Lower Upper
146 100
148 61.7 51.0 76.6
75 27.1 22.9 34.3





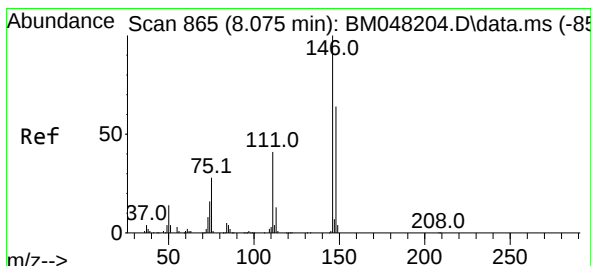
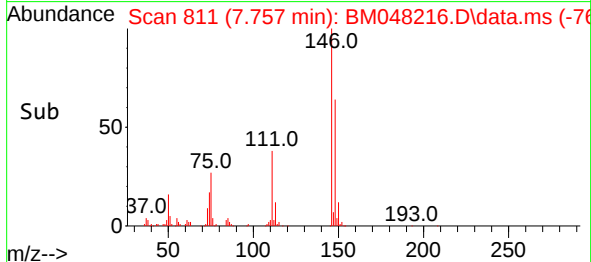
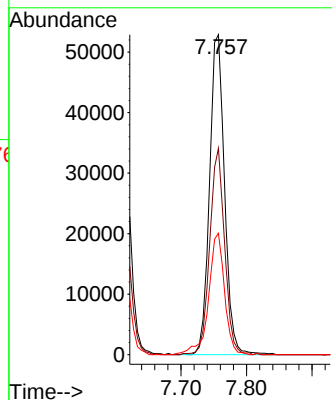
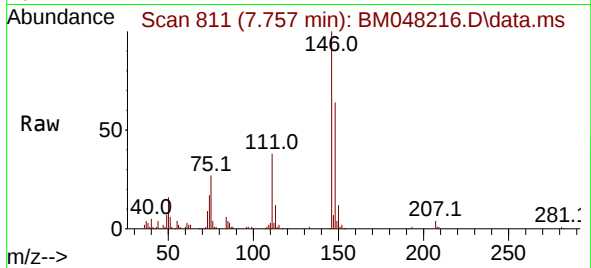
#13
1,4-Dichlorobenzene
Concen: 5.857 ng
RT: 7.757 min Scan# 811
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

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

Tgt Ion:146 Resp: 84279
Ion Ratio Lower Upper
146 100
148 64.5 51.7 77.5
111 37.9 31.4 47.2

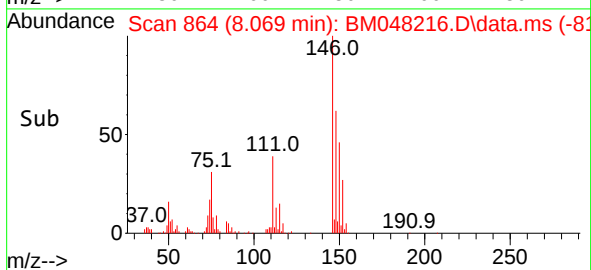
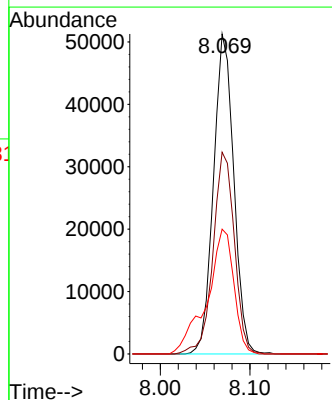
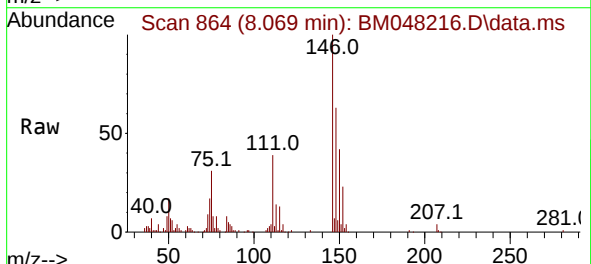
Manual Integrations
APPROVED

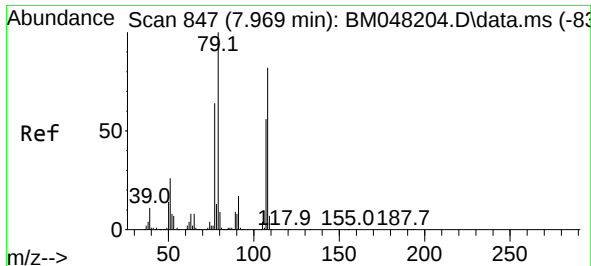
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#14
1,2-Dichlorobenzene
Concen: 5.791 ng
RT: 8.069 min Scan# 864
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

Tgt Ion:146 Resp: 80532
Ion Ratio Lower Upper
146 100
148 63.0 51.3 76.9
111 39.0 32.7 49.1





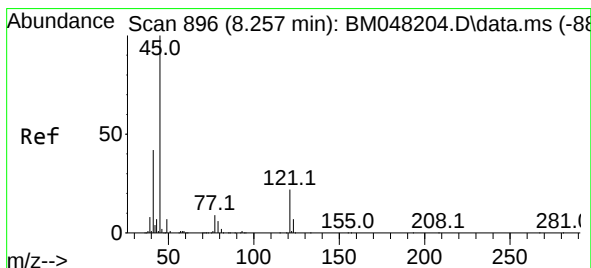
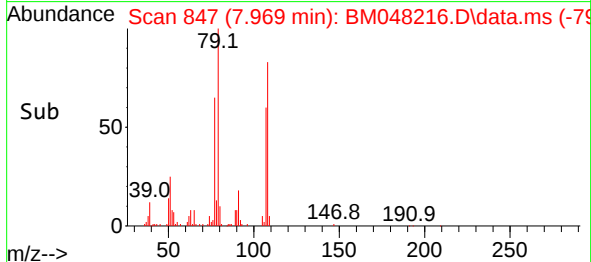
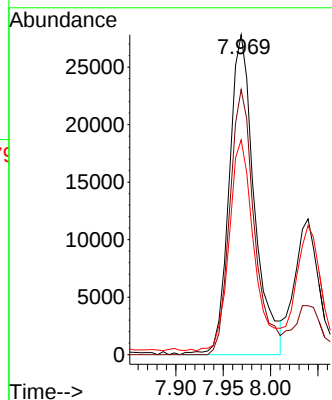
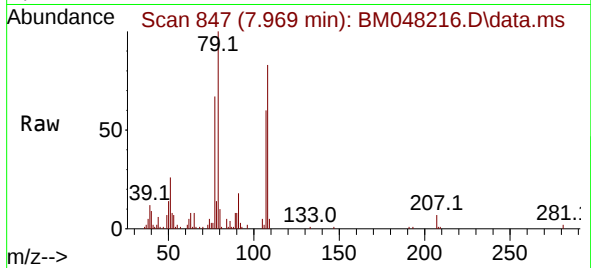
#15
Benzyl Alcohol
Concen: 5.501 ng
RT: 7.969 min Scan# 847
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

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

Tgt Ion: 79 Resp: 51680
Ion Ratio Lower Upper
79 100
108 82.8 65.2 97.8
77 67.1 51.4 77.2

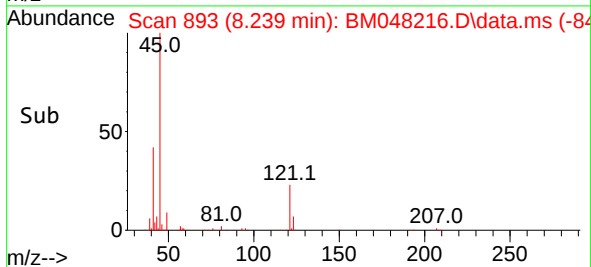
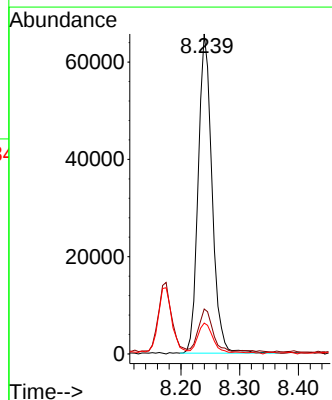
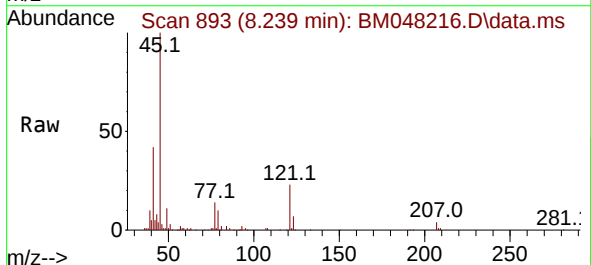
Manual Integrations
APPROVED

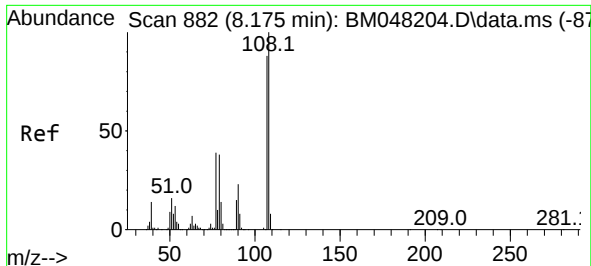
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 6.217 ng
RT: 8.239 min Scan# 893
Delta R.T. -0.018 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

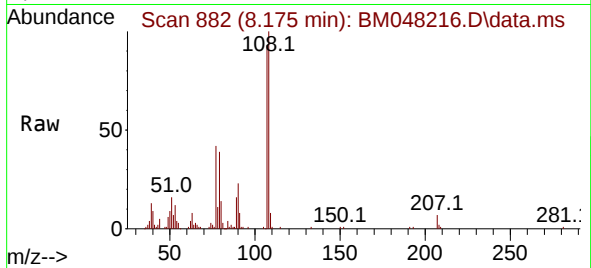
Tgt Ion: 45 Resp: 107320
Ion Ratio Lower Upper
45 100
77 14.1 0.0 34.2
79 9.7 0.0 30.7





#17
2-Methylphenol
Concen: 5.302 ng
RT: 8.175 min Scan# 882
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

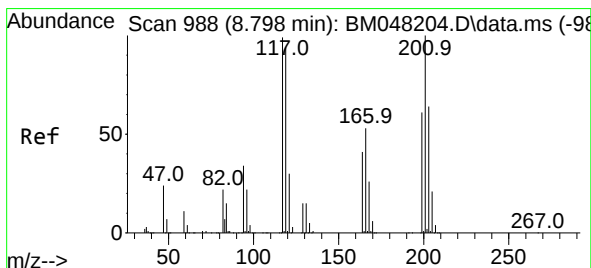
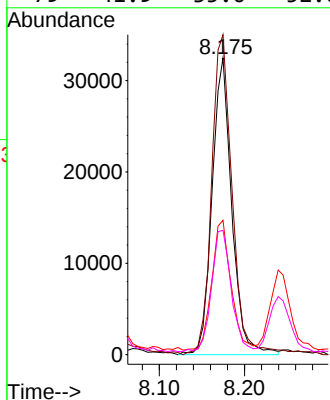
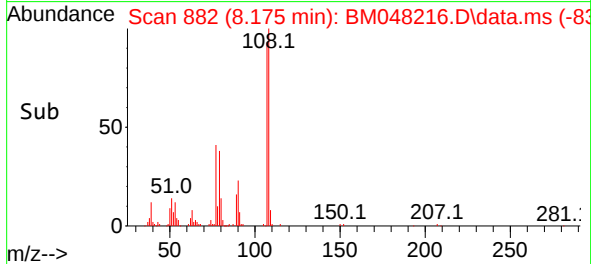
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:	107	Resp:	52204
Ion Ratio	Lower	Upper	
107	100		
108	107.8	91.3	136.9
77	45.3	36.2	54.2
79	41.9	35.0	52.6

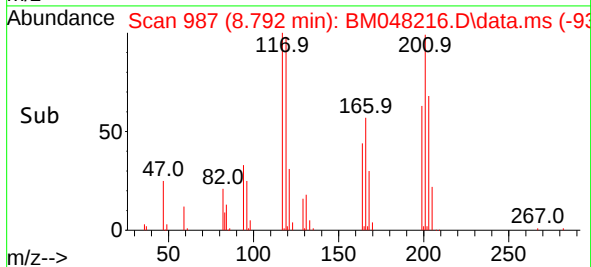
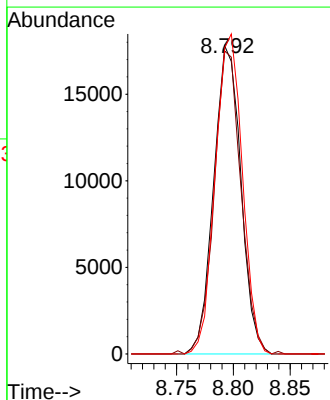
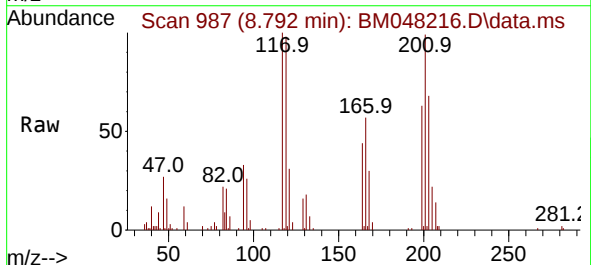
Manual Integrations
APPROVED

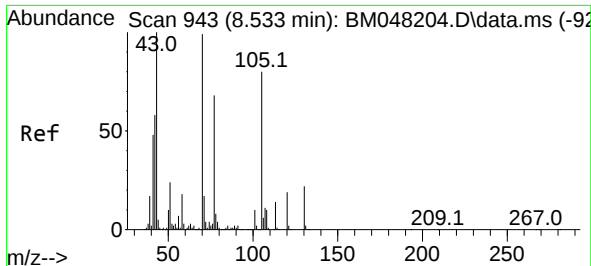
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#18
Hexachloroethane
Concen: 5.605 ng
RT: 8.792 min Scan# 987
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

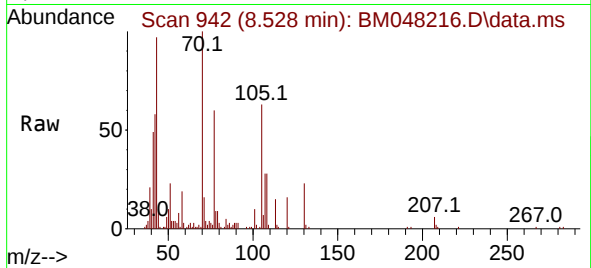
Tgt Ion:	117	Resp:	29561
Ion Ratio	Lower	Upper	
117	100		
119	98.3	76.5	114.7
201	99.5	80.9	121.3





#19
n-Nitroso-di-n-propylamine
Concen: 5.599 ng
RT: 8.528 min Scan# 942
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

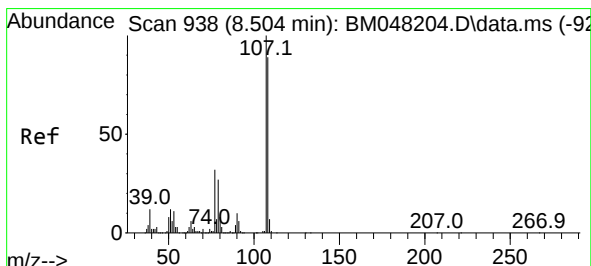
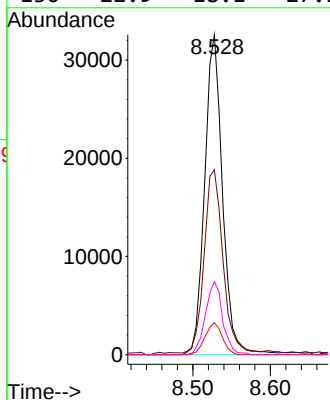
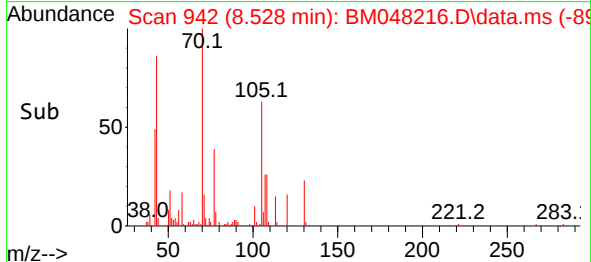
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 70 Resp: 52164
Ion Ratio Lower Upper
70 100
42 57.8 47.0 70.6
101 10.0 7.8 11.6
130 22.9 18.1 27.1

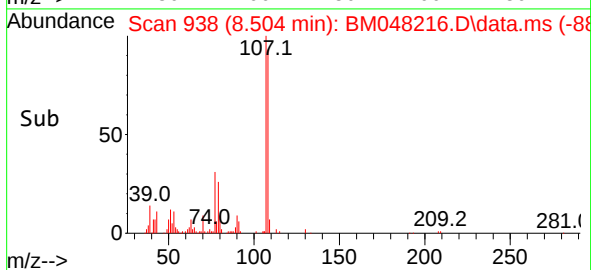
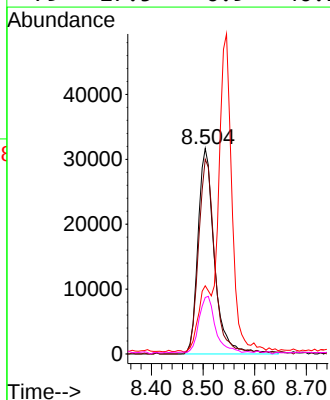
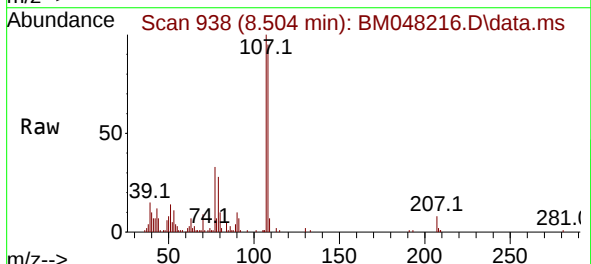
Manual Integrations
APPROVED

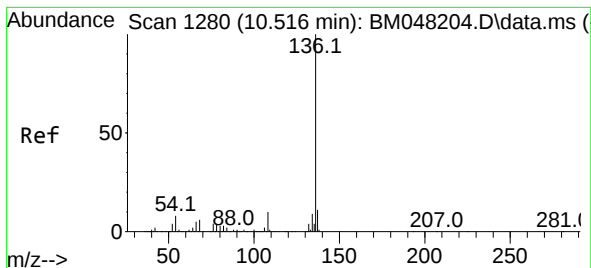
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#20
3+4-Methylphenols
Concen: 5.133 ng
RT: 8.504 min Scan# 938
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

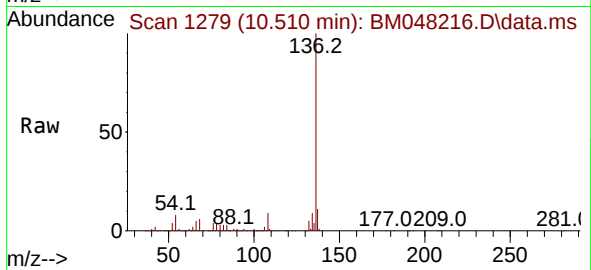
Tgt Ion:107 Resp: 70011
Ion Ratio Lower Upper
107 100
108 94.7 69.0 109.0
77 33.2 12.3 52.3
79 27.5 6.9 46.9





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.510 min Scan# 1280
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

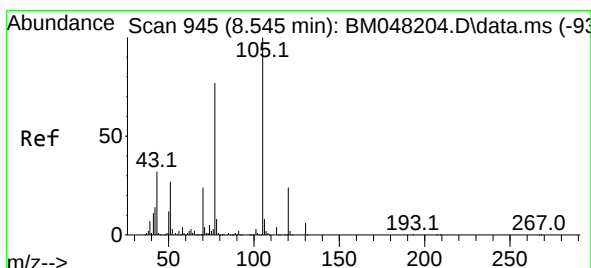
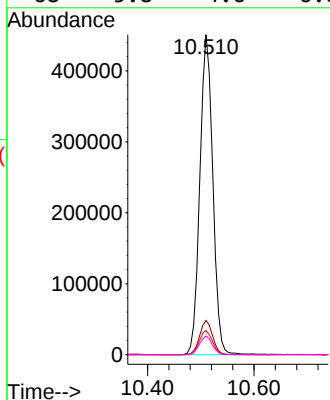
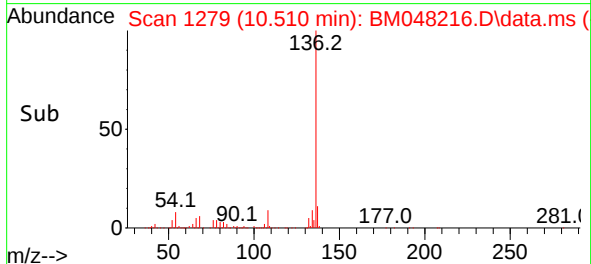
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:136 Resp: 760664
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

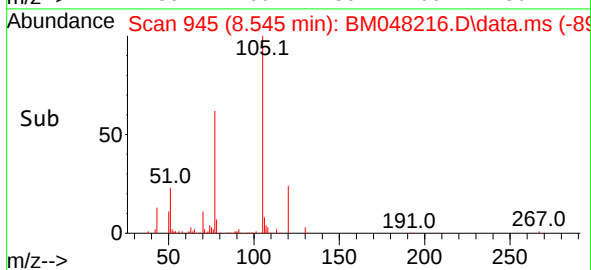
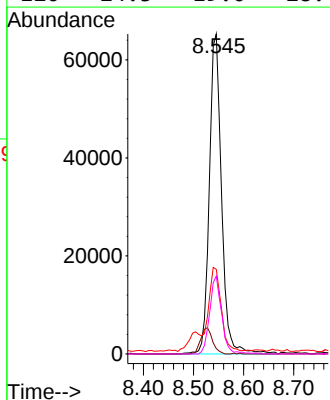
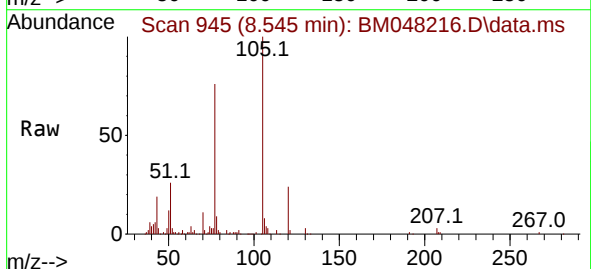
Manual Integrations
APPROVED

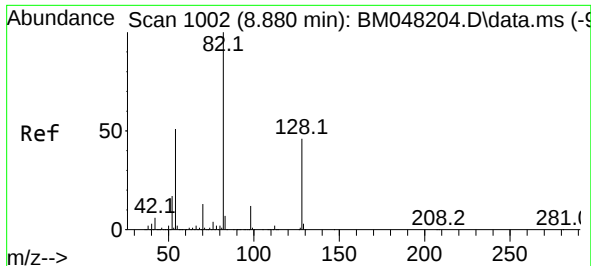
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#22
Acetophenone
Concen: 5.950 ng
RT: 8.545 min Scan# 945
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

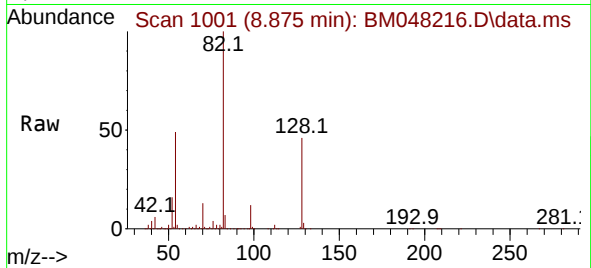
Tgt Ion:105 Resp: 110455
Ion Ratio Lower Upper
105 100
71 1.7 3.4 5.0#
51 26.4 21.7 32.5
120 24.3 19.0 28.4





#23
Nitrobenzene-d5
Concen: 81.470 ng
RT: 8.875 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

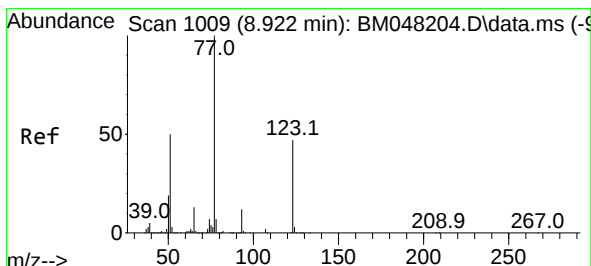
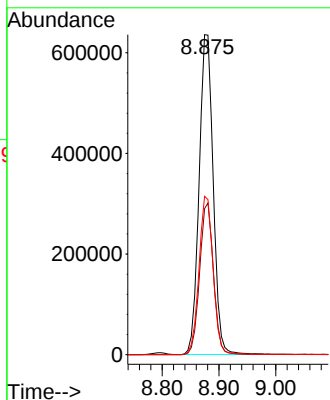
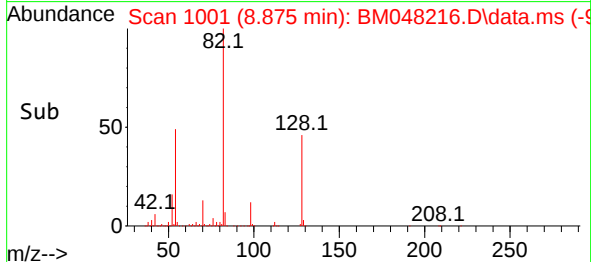
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 82 Resp: 1097558
Ion Ratio Lower Upper
82 100
128 45.7 36.6 54.8
54 49.5 41.0 61.4

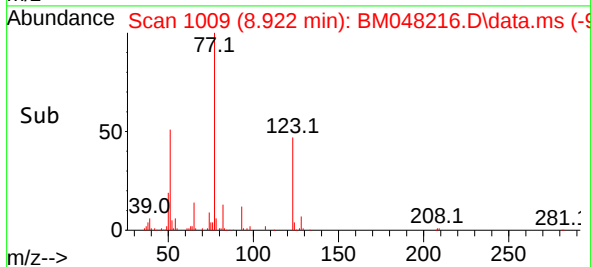
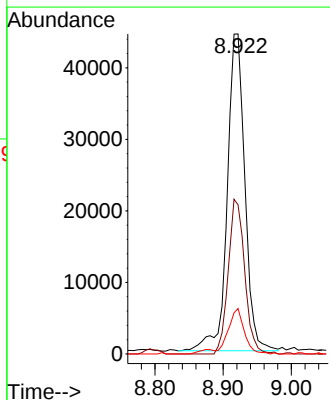
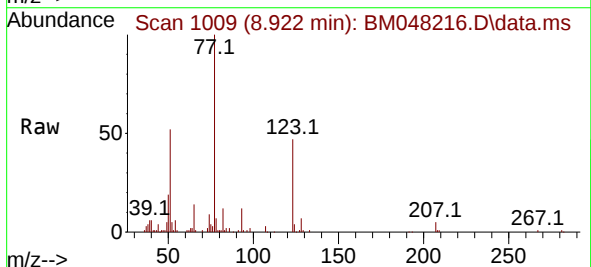
Manual Integrations
APPROVED

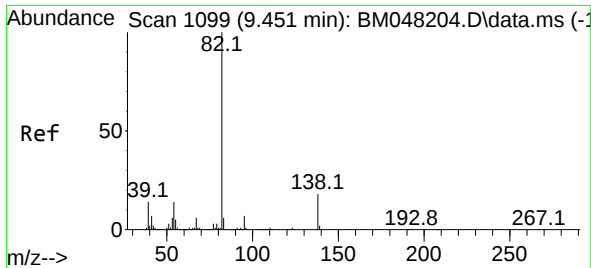
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#24
Nitrobenzene
Concen: 5.720 ng
RT: 8.922 min Scan# 1009
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

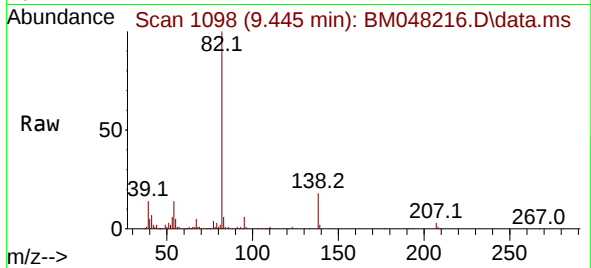
Tgt Ion: 77 Resp: 79841
Ion Ratio Lower Upper
77 100
123 46.6 37.8 56.6
65 14.2 10.4 15.6





#25
Isophorone
Concen: 5.689 ng
RT: 9.445 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

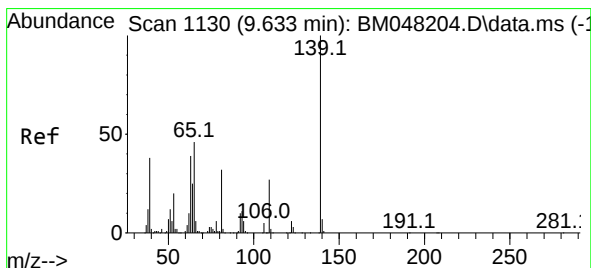
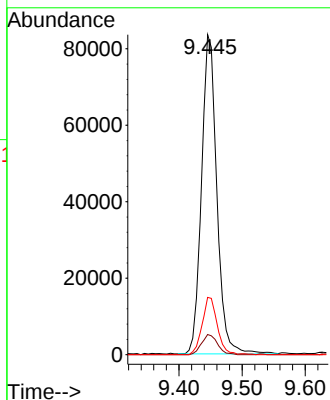
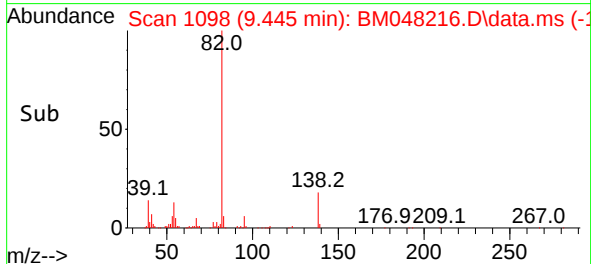
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 82 Resp: 140494
Ion Ratio Lower Upper
82 100
95 6.3 5.3 7.9
138 17.9 14.3 21.5

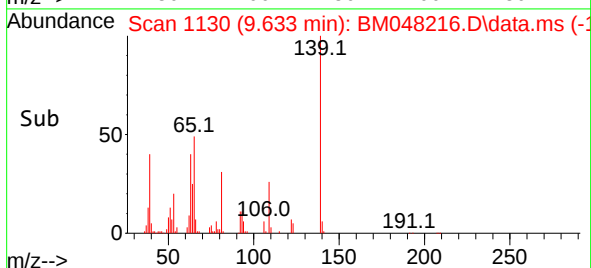
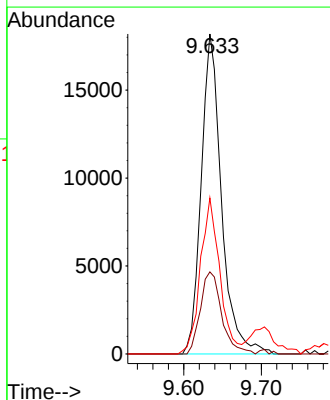
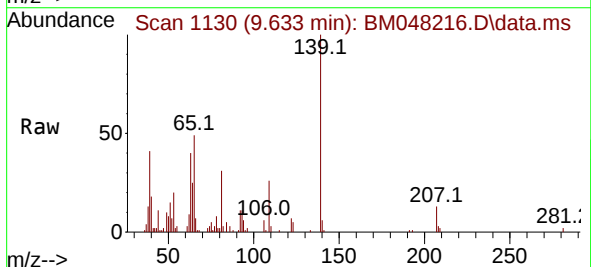
Manual Integrations
APPROVED

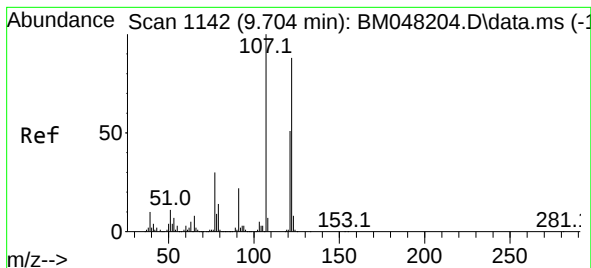
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#26
2-Nitrophenol
Concen: 5.123 ng
RT: 9.633 min Scan# 1130
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

Tgt Ion:139 Resp: 33019
Ion Ratio Lower Upper
139 100
109 25.6 21.2 31.8
65 48.8 36.8 55.2





#27

2,4-Dimethylphenol

Concen: 3.754 ng m

RT: 9.698 min Scan# 1142

Delta R.T. -0.006 min

Lab File: BM048216.D

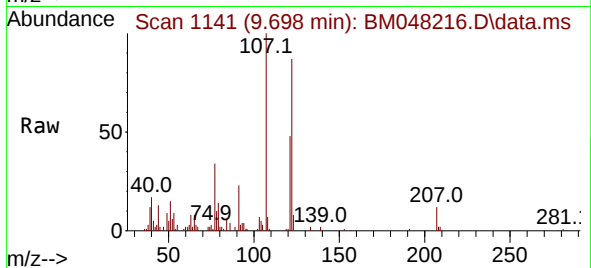
Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024



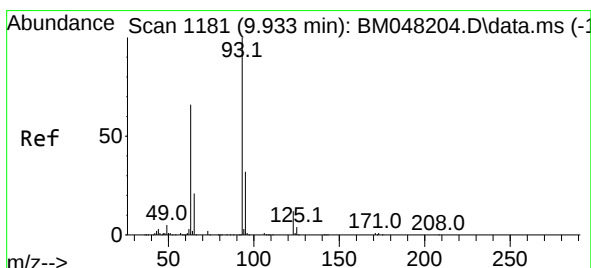
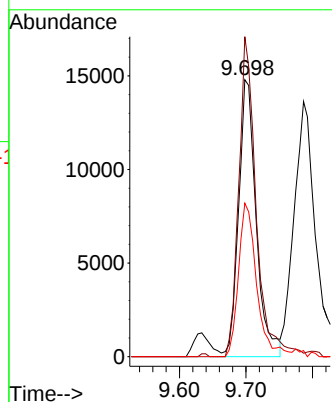
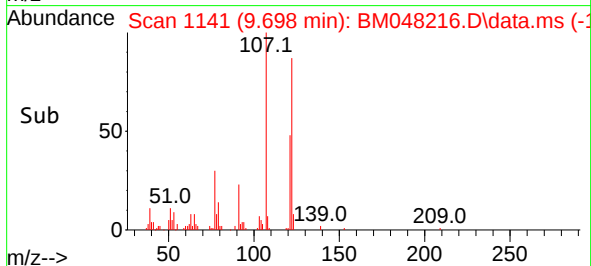
Tgt Ion:	122	Resp:	2935
Ion	Ratio	Lower	Upper
122	100		
107	115.5	91.0	136.6
121	55.4	46.1	69.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#28

bis(2-Chloroethoxy)methane

Concen: 5.571 ng

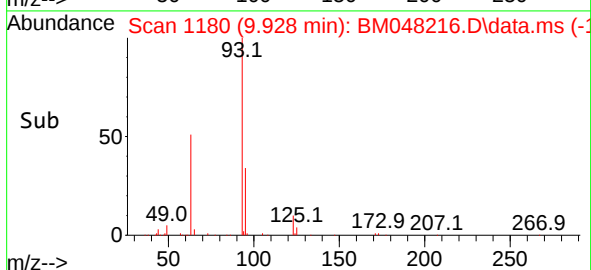
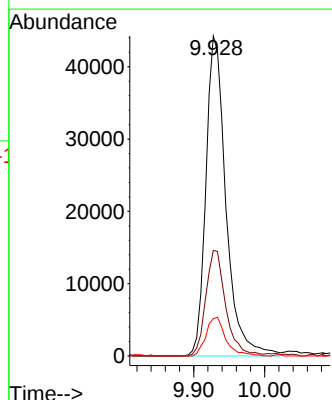
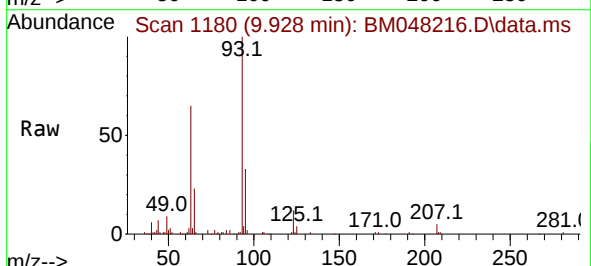
RT: 9.928 min Scan# 1180

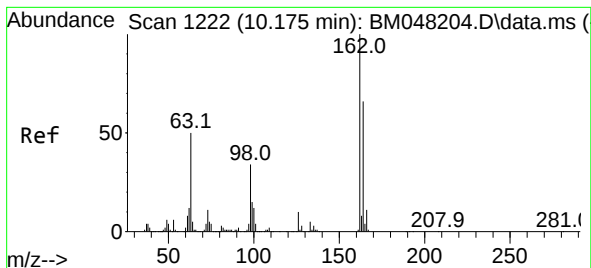
Delta R.T. -0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

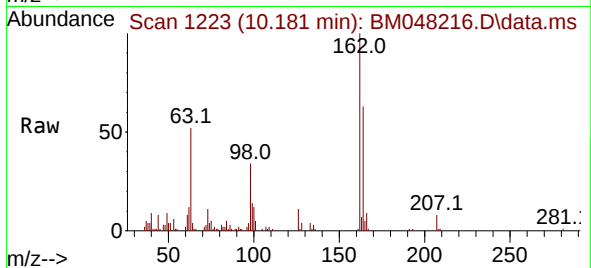
Tgt Ion:	93	Resp:	87058
Ion	Ratio	Lower	Upper
93	100		
95	33.0	25.3	37.9
123	11.7	9.8	14.6





#29
2,4-Dichlorophenol
Concen: 5.077 ng
RT: 10.181 min Scan# 1222
Delta R.T. 0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

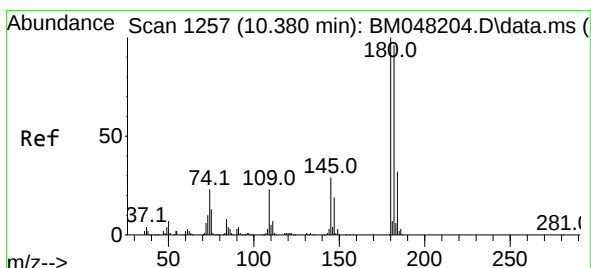
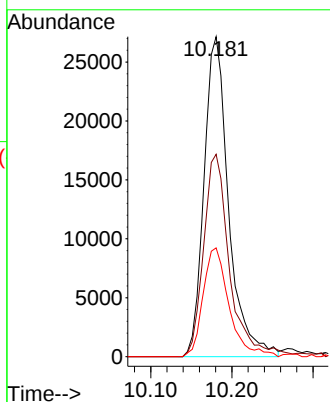
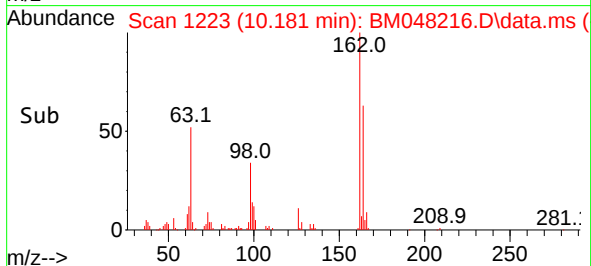
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



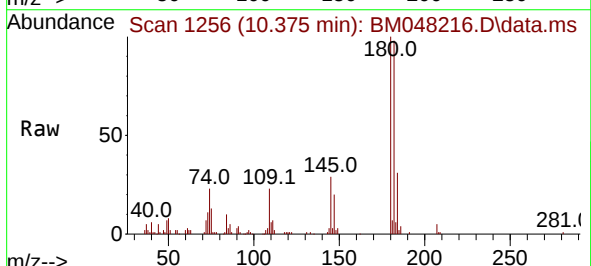
Tgt Ion:162 Resp: 5711
Ion Ratio Lower Upper
162 100
164 63.2 46.0 86.0
98 34.0 14.4 54.4

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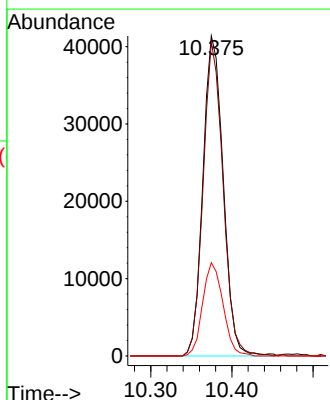
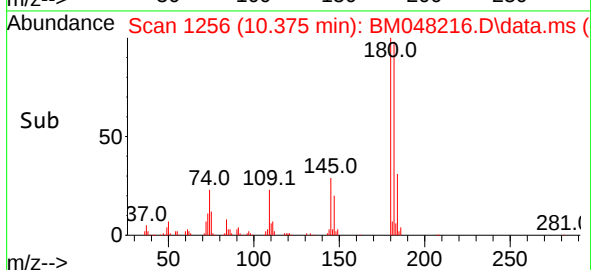
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

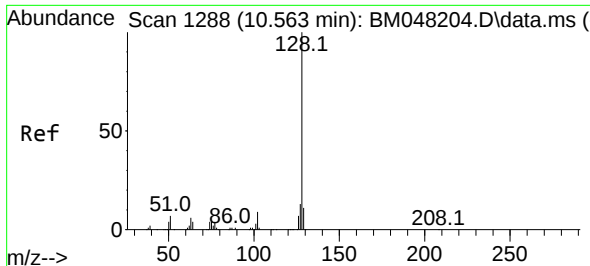


#30
1,2,4-Trichlorobenzene
Concen: 5.571 ng
RT: 10.375 min Scan# 1256
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30



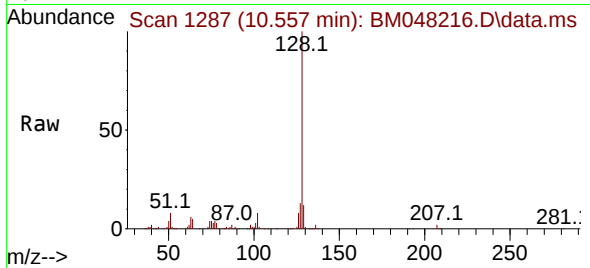
Tgt Ion:180 Resp: 71773
Ion Ratio Lower Upper
180 100
182 98.1 76.6 115.0
145 29.1 23.4 35.2





#31
Naphthalene
Concen: 5.723 ng
RT: 10.557 min Scan# 1156
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

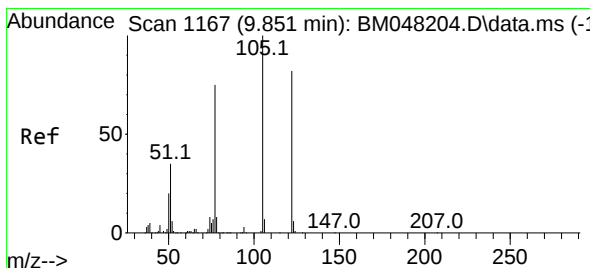
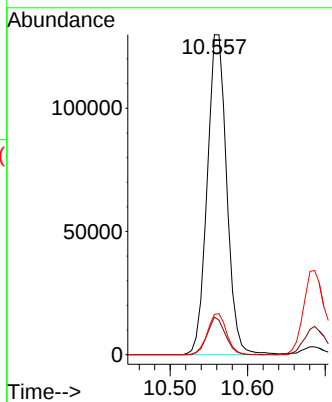
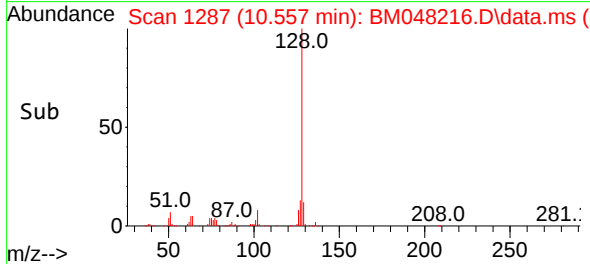
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT4-2024



Tgt Ion:128 Resp: 22703
Ion Ratio Lower Upper
128 100
129 11.8 8.8 13.2
127 12.6 10.2 15.2

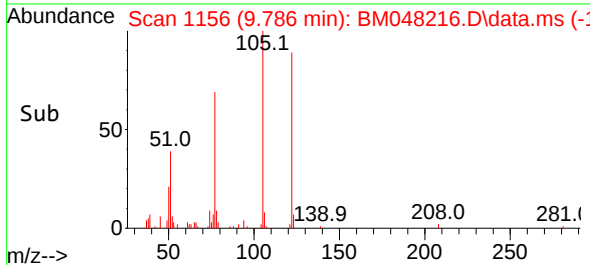
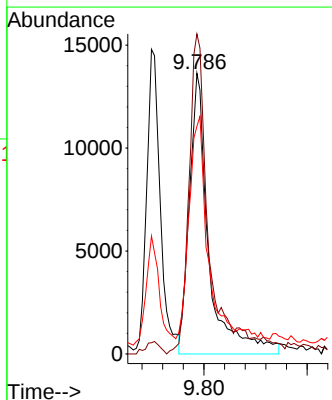
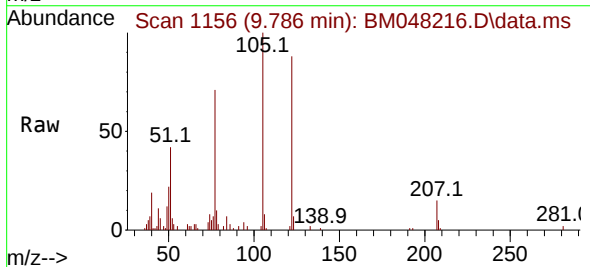
Manual Integrations
APPROVED

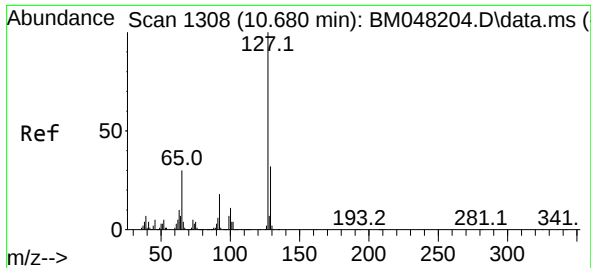
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#32
Benzoic acid
Concen: 4.108 ng m
RT: 9.786 min Scan# 1156
Delta R.T. -0.065 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

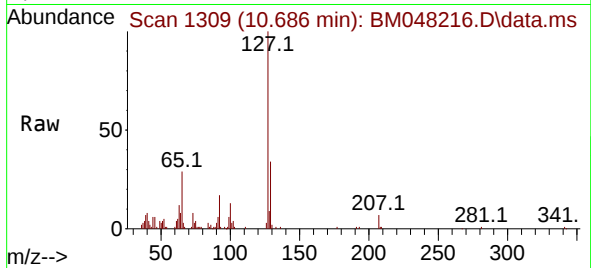
Tgt Ion:122 Resp: 35756
Ion Ratio Lower Upper
122 100
105 114.0 99.3 139.3
77 81.1 70.4 110.4





#33
4-Chloroaniline
Concen: 5.901 ng
RT: 10.686 min Scan# 1308
Delta R.T. 0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

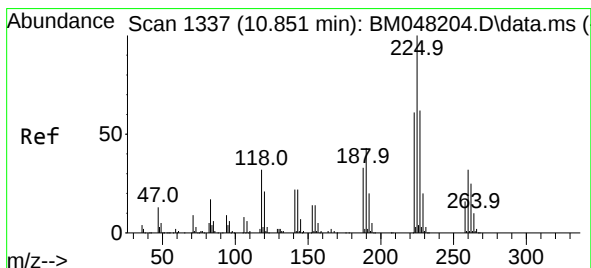
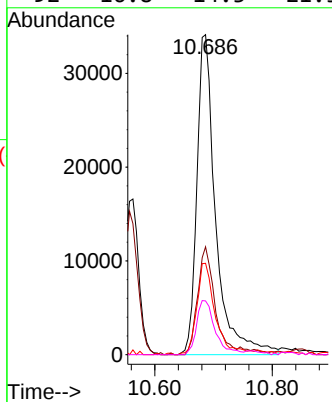
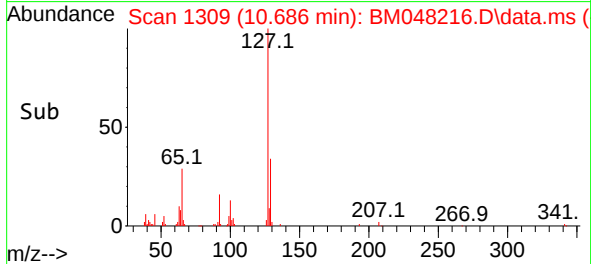
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



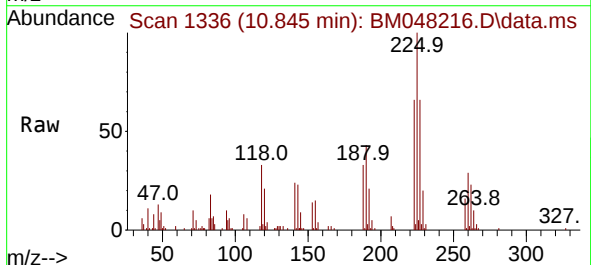
Tgt Ion:127 Resp: 75929
Ion Ratio Lower Upper
127 100
129 33.7 25.8 38.6
65 28.6 23.7 35.5
92 16.8 14.3 21.5

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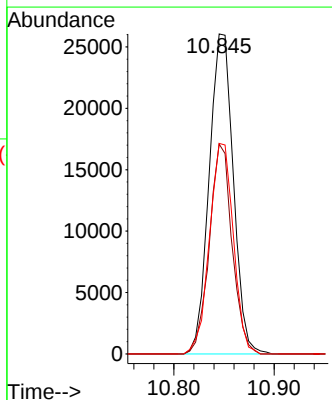
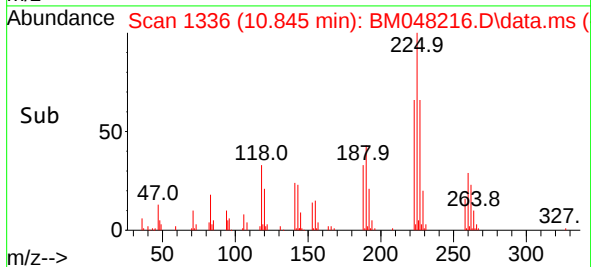
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

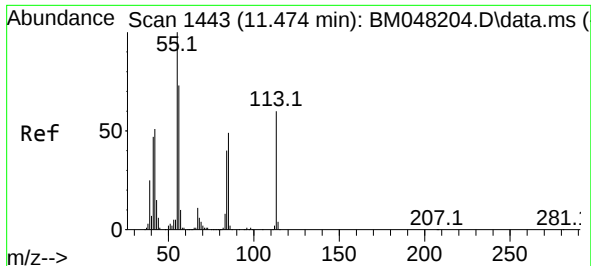


#34
Hexachlorobutadiene
Concen: 5.468 ng
RT: 10.845 min Scan# 1336
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30



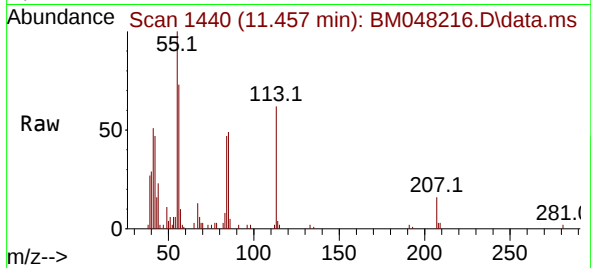
Tgt Ion:225 Resp: 43662
Ion Ratio Lower Upper
225 100
223 65.6 48.6 73.0
227 65.8 49.6 74.4





#35
Caprolactam
Concen: 5.146 ng
RT: 11.457 min Scan# 1440
Delta R.T. -0.018 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

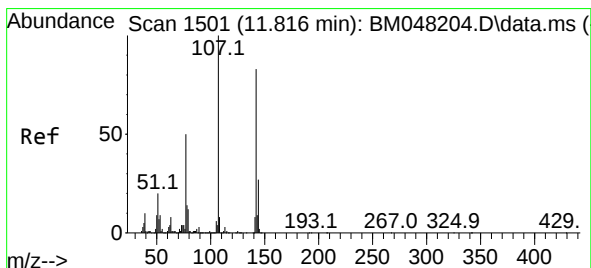
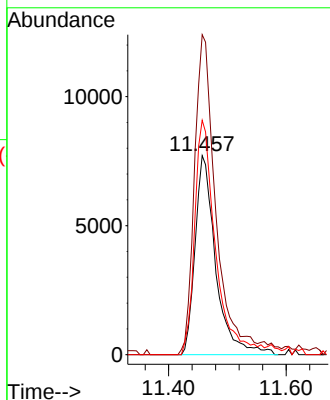
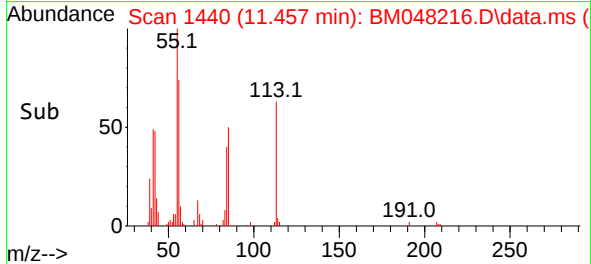
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



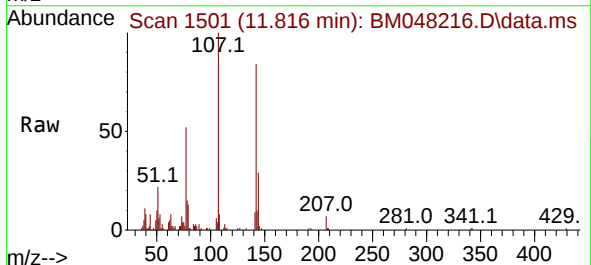
Tgt Ion:113 Resp: 18804
Ion Ratio Lower Upper
113 100
55 160.8 146.1 186.1
56 117.8 101.9 141.9

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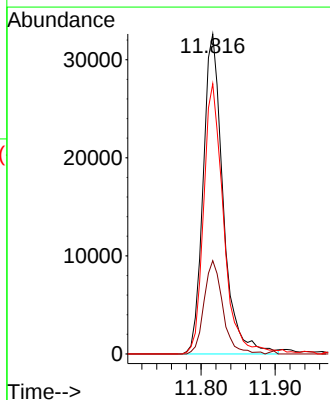
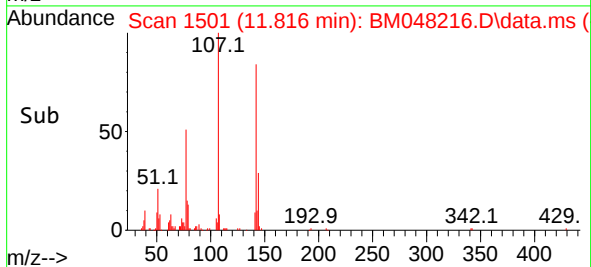
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

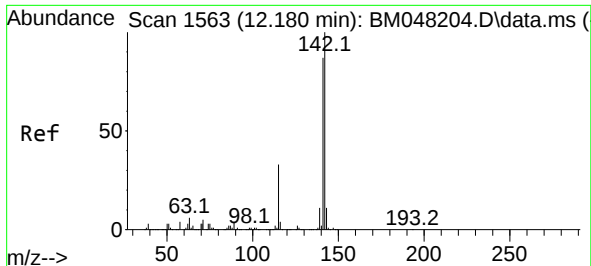


#36
4-Chloro-3-methylphenol
Concen: 5.213 ng
RT: 11.816 min Scan# 1501
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30



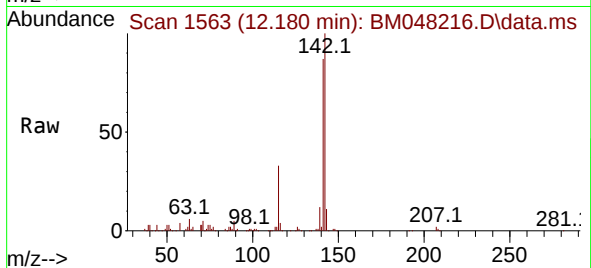
Tgt Ion:107 Resp: 61210
Ion Ratio Lower Upper
107 100
144 29.1 21.5 32.3
142 84.4 66.8 100.2





#37
2-Methylnaphthalene
Concen: 5.698 ng
RT: 12.180 min Scan# 1563
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

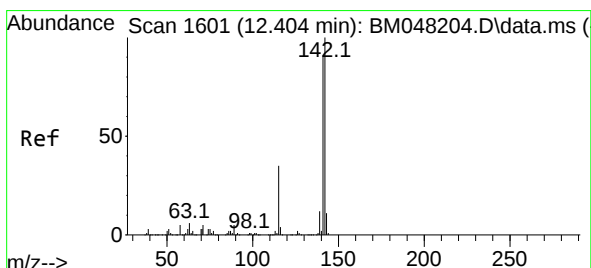
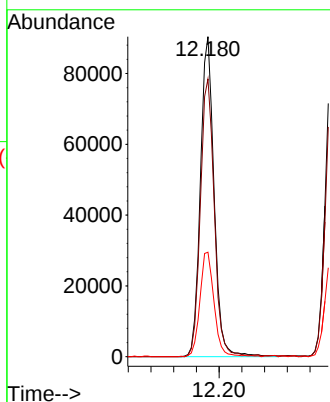
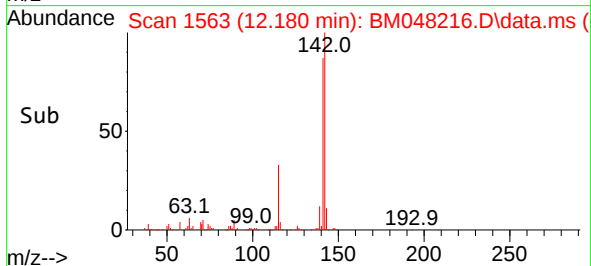
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:142 Resp: 151050
Ion Ratio Lower Upper
142 100
141 86.8 69.8 104.6
115 32.7 26.3 39.5

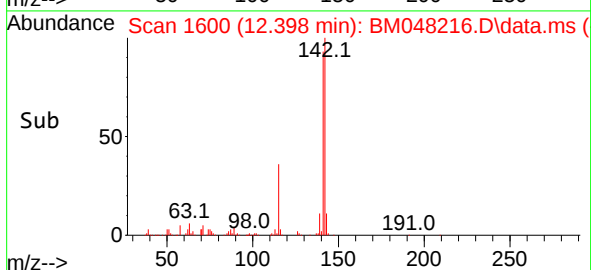
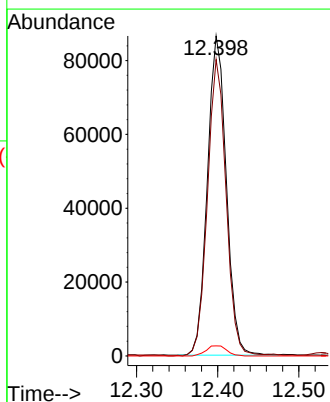
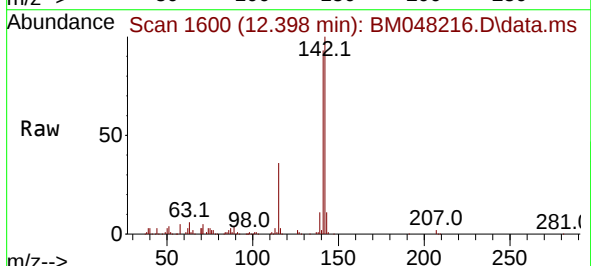
Manual Integrations
APPROVED

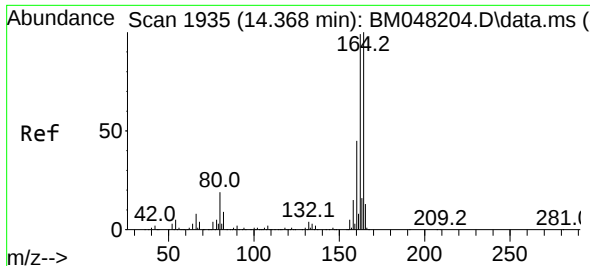
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#38
1-Methylnaphthalene
Concen: 5.331 ng
RT: 12.398 min Scan# 1600
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

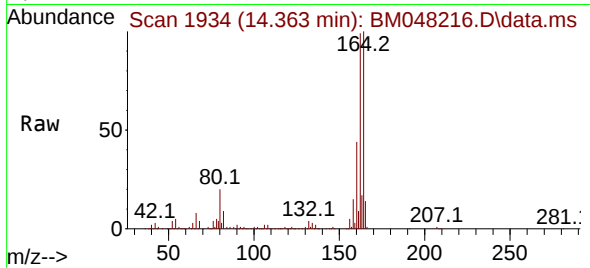
Tgt Ion:142 Resp: 140116
Ion Ratio Lower Upper
142 100
141 92.7 72.7 109.1
116 3.2 2.9 4.3





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.363 min Scan# 1934
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

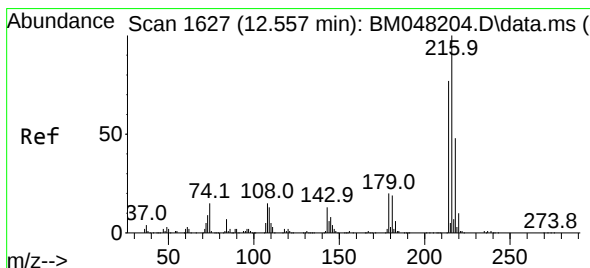
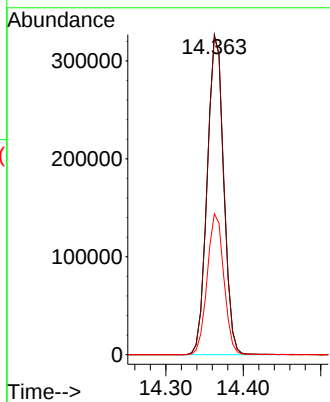
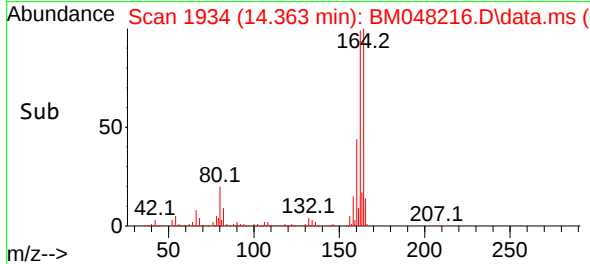
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:164 Resp: 481809
Ion Ratio Lower Upper
164 100
162 99.4 79.1 118.7
160 44.0 35.8 53.8

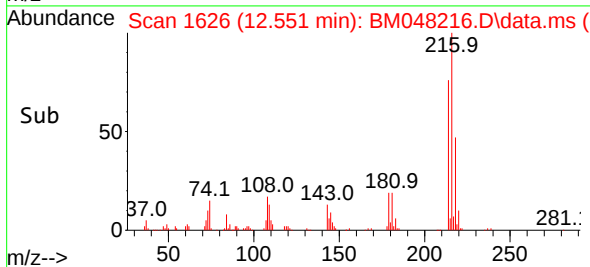
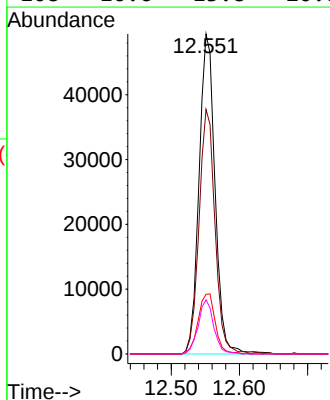
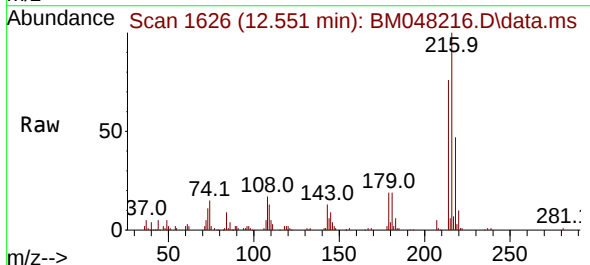
Manual Integrations
APPROVED

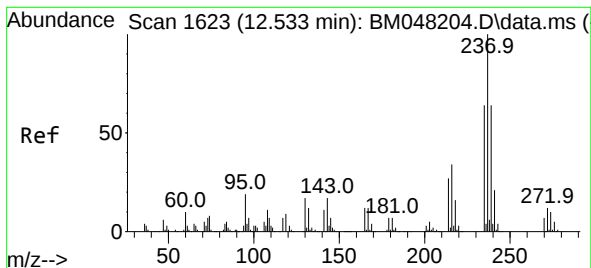
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.835 ng
RT: 12.551 min Scan# 1626
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

Tgt Ion:216 Resp: 80348
Ion Ratio Lower Upper
216 100
214 76.3 62.2 93.2
179 20.2 16.0 24.0
108 16.6 13.8 20.8





#41

Hexachlorocyclopentadiene

Concen: 1.894 ng

RT: 12.527 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM048216.D

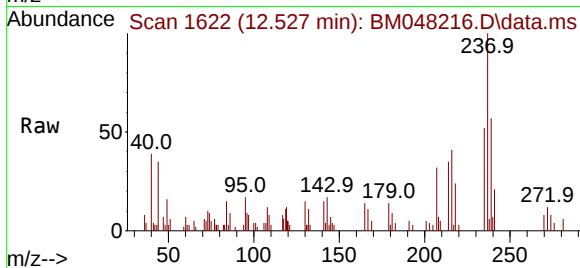
Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024



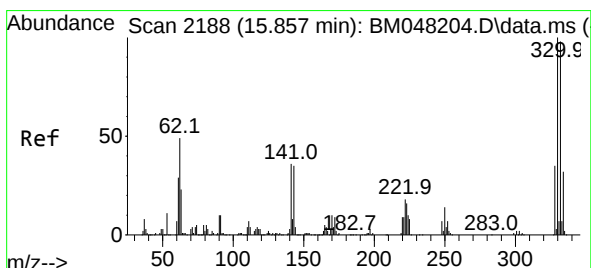
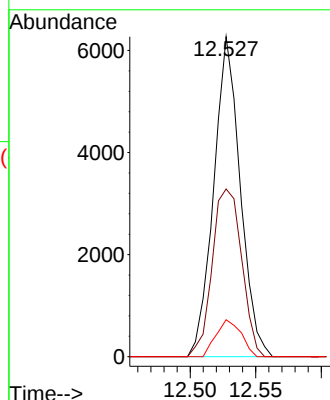
Tgt Ion:237	Resp:	8824
Ion Ratio	Lower	Upper
237	100	
235	52.4	44.2 84.2
272	11.5	0.0 32.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#42

2,4,6-Tribromophenol

Concen: 114.864 ng

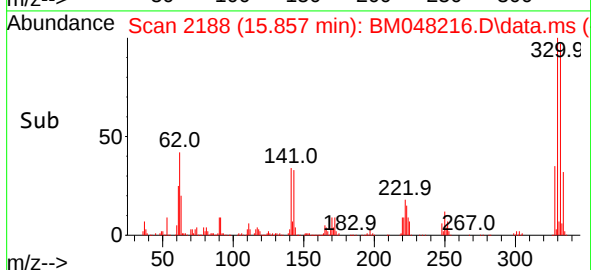
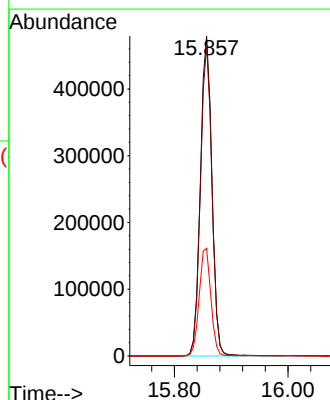
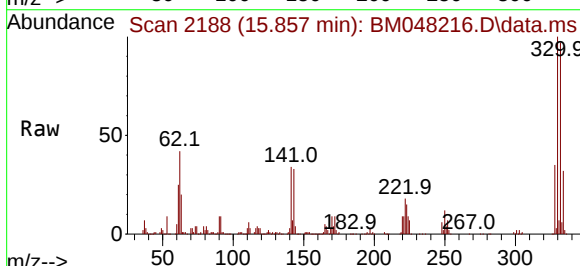
RT: 15.857 min Scan# 2188

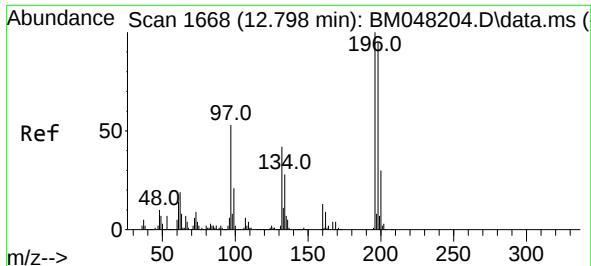
Delta R.T. 0.000 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

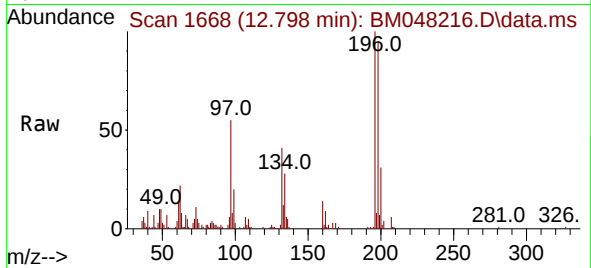
Tgt Ion:330	Resp:	677396
Ion Ratio	Lower	Upper
330	100	
332	96.7	77.5 116.3
141	34.2	27.5 41.3





#43
2,4,6-Trichlorophenol
Concen: 5.310 ng
RT: 12.798 min Scan# 1668
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

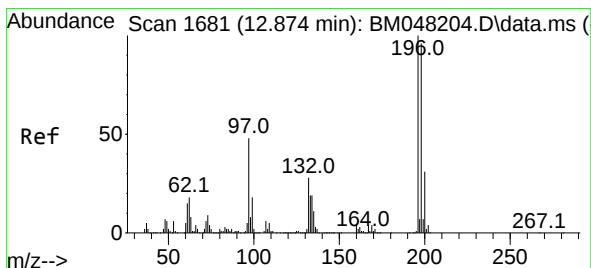
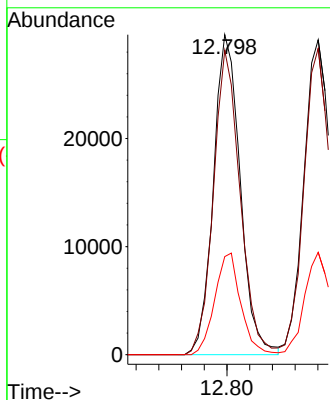
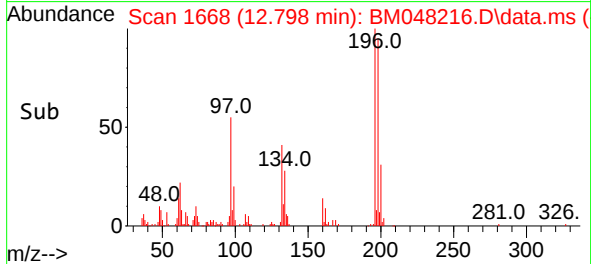
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:196 Resp: 48520
Ion Ratio Lower Upper
196 100
198 95.1 76.2 114.2
200 30.7 24.2 36.2

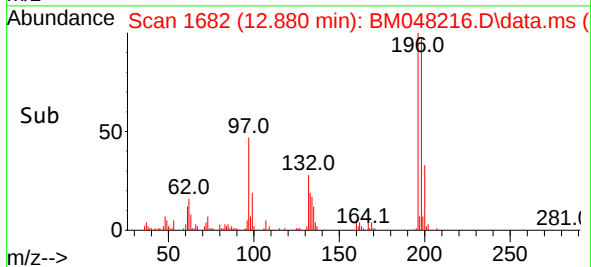
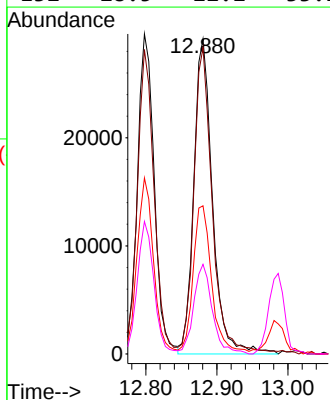
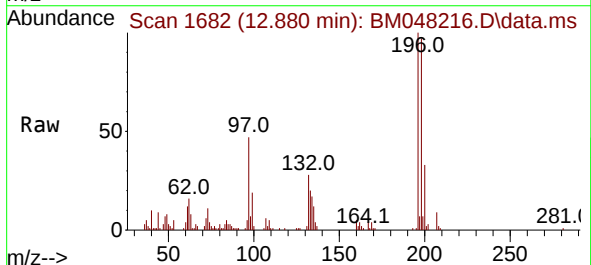
Manual Integrations
APPROVED

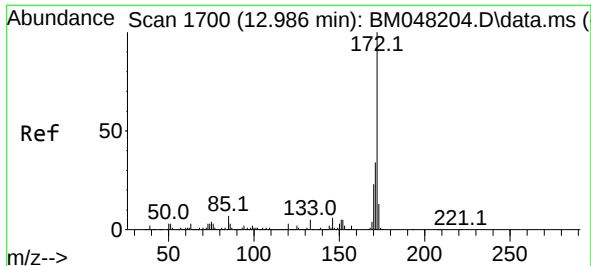
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#44
2,4,5-Trichlorophenol
Concen: 5.259 ng
RT: 12.880 min Scan# 1682
Delta R.T. 0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

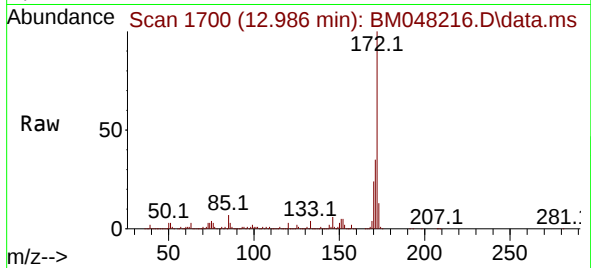
Tgt Ion:196 Resp: 53594
Ion Ratio Lower Upper
196 100
198 97.2 76.7 115.1
97 47.1 38.5 57.7
132 28.5 22.2 33.2





#45
2-Fluorobiphenyl
Concen: 81.851 ng
RT: 12.986 min Scan# 1700
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

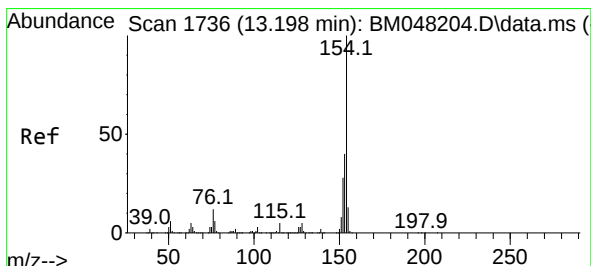
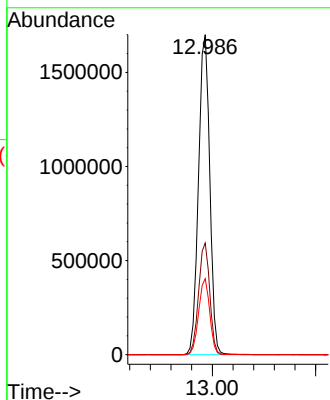
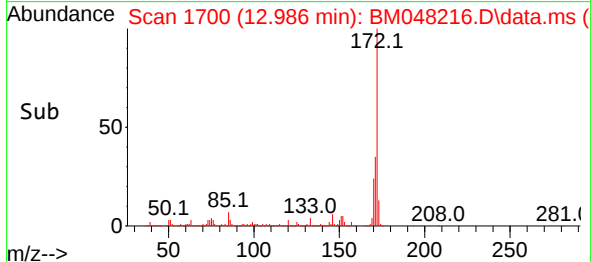
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:172 Resp: 2570014
Ion Ratio Lower Upper
172 100
171 34.9 27.4 41.0
170 23.8 18.5 27.7

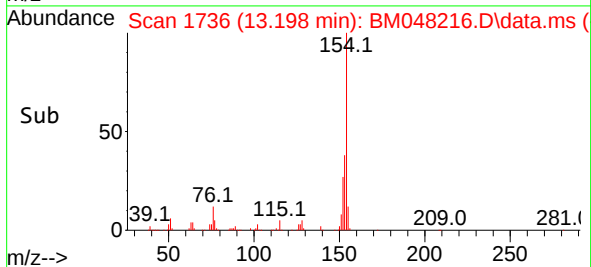
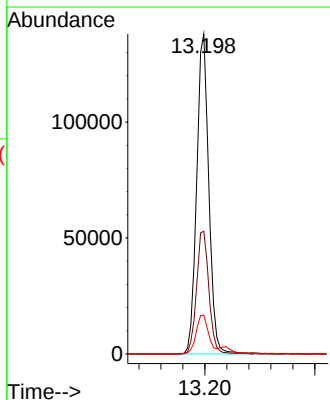
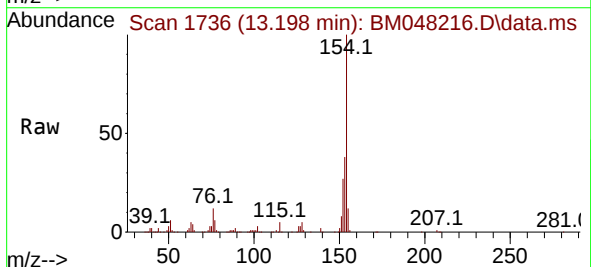
Manual Integrations
APPROVED

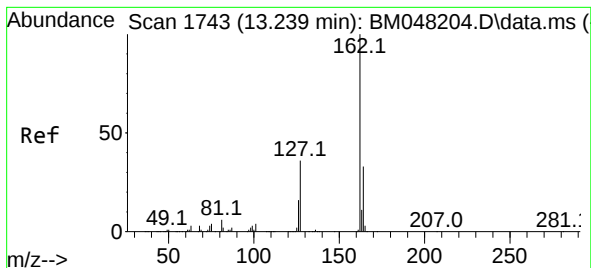
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#46
1,1'-Biphenyl
Concen: 6.166 ng
RT: 13.198 min Scan# 1736
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

Tgt Ion:154 Resp: 212115
Ion Ratio Lower Upper
154 100
153 38.3 19.9 59.9
76 12.1 0.0 32.4





#47

2-Chloronaphthalene

Concen: 5.720 ng

RT: 13.239 min Scan# 1743

Delta R.T. 0.000 min

Lab File: BM048216.D

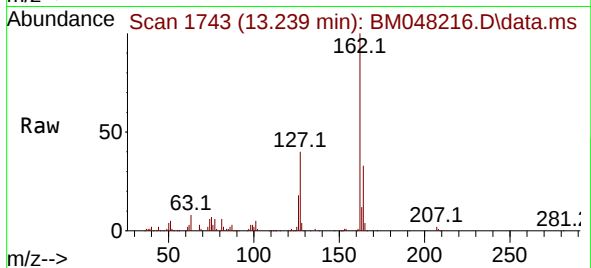
Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024



Tgt Ion:162 Resp: 15514

Ion Ratio Lower Upper

162 100

127 39.6 31.0 46.6

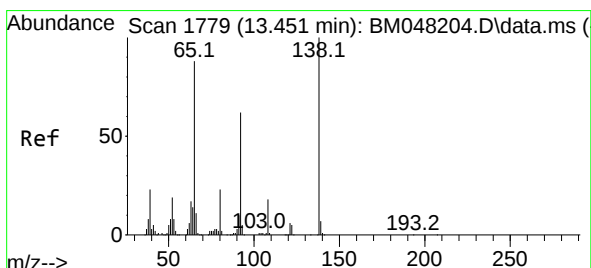
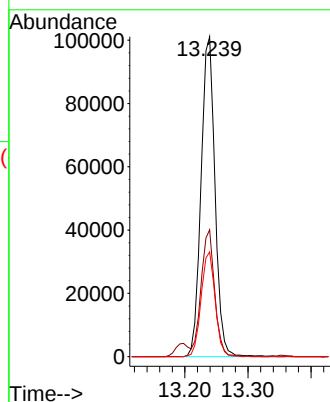
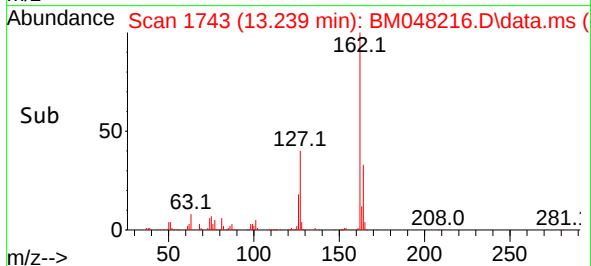
164 32.8 26.2 39.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#48

2-Nitroaniline

Concen: 5.132 ng

RT: 13.451 min Scan# 1779

Delta R.T. 0.000 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

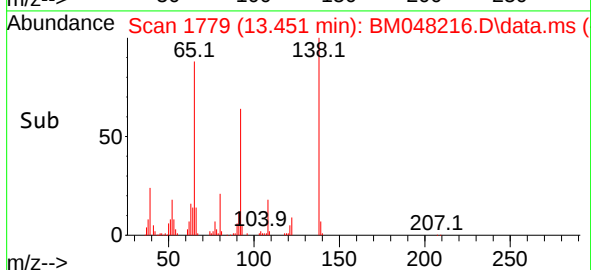
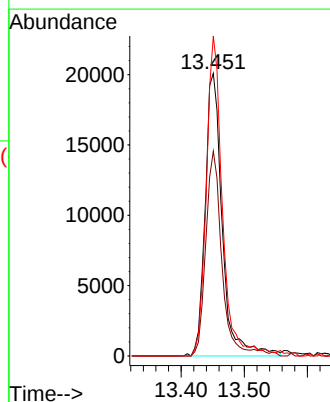
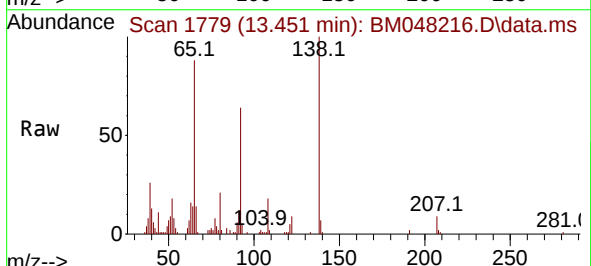
Tgt Ion: 65 Resp: 37751

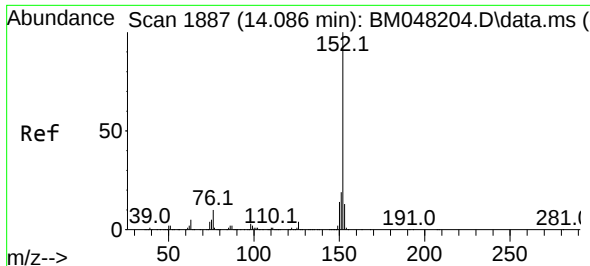
Ion Ratio Lower Upper

65 100

92 72.5 56.0 84.0

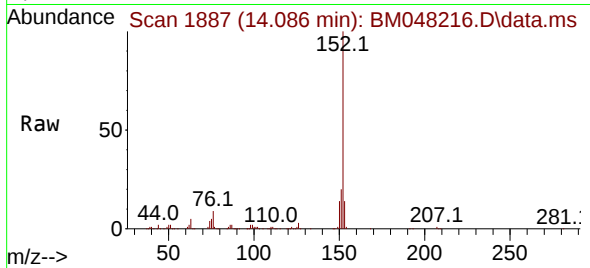
138 113.3 90.8 136.2





#49
Acenaphthylene
Concen: 6.199 ng
RT: 14.086 min Scan# 1887
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

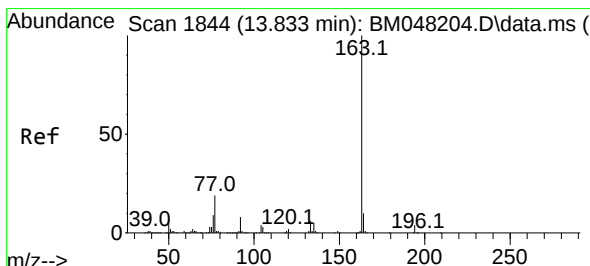
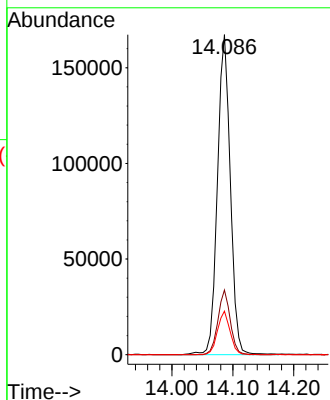
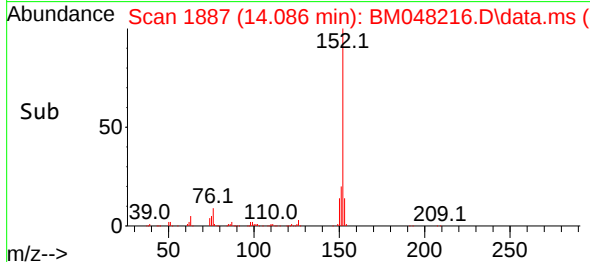
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



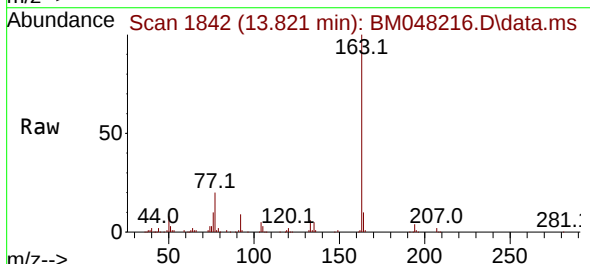
Tgt Ion:152 Resp: 245299
Ion Ratio Lower Upper
152 100
151 20.2 15.4 23.2
153 13.6 10.5 15.7

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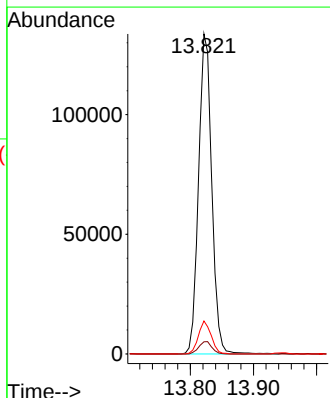
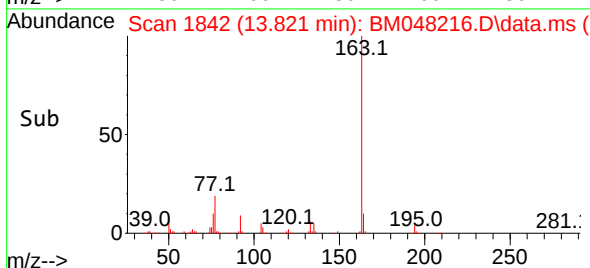
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

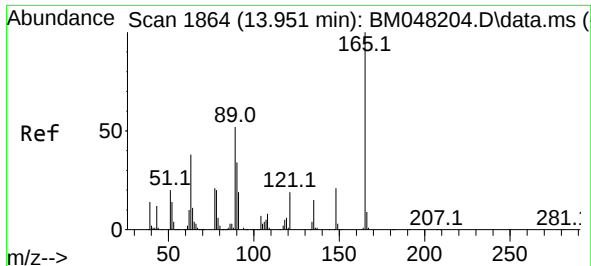


#50
Dimethylphthalate
Concen: 5.884 ng
RT: 13.821 min Scan# 1842
Delta R.T. -0.012 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30



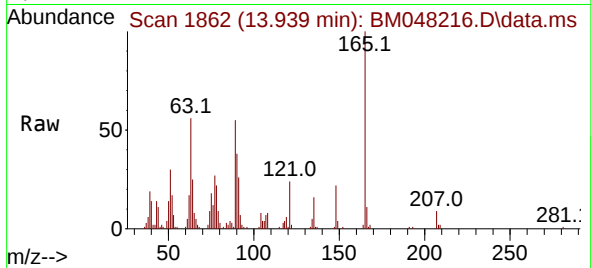
Tgt Ion:163 Resp: 193522
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 10.3 7.8 11.6





#51
2,6-Dinitrotoluene
Concen: 5.099 ng
RT: 13.939 min Scan# 1862
Delta R.T. -0.012 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

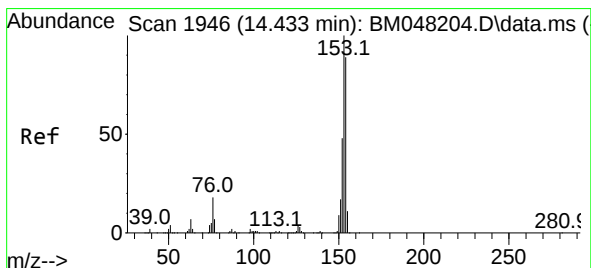
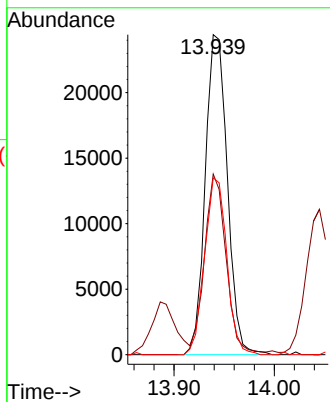
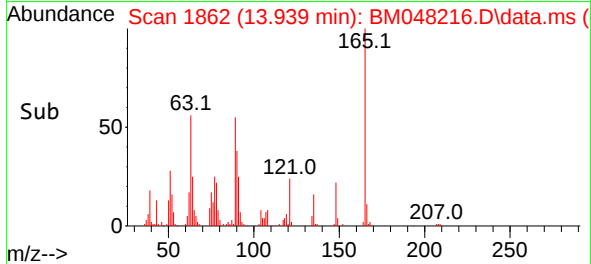
Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:165 Resp: 37419
Ion Ratio Lower Upper
165 100
63 56.5 39.5 59.3
89 55.3 41.8 62.6

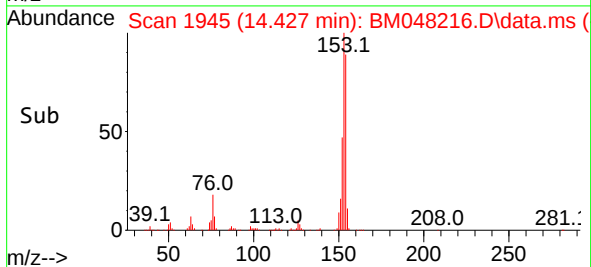
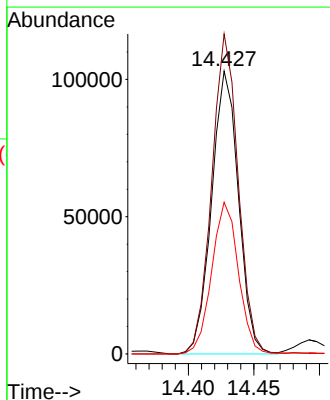
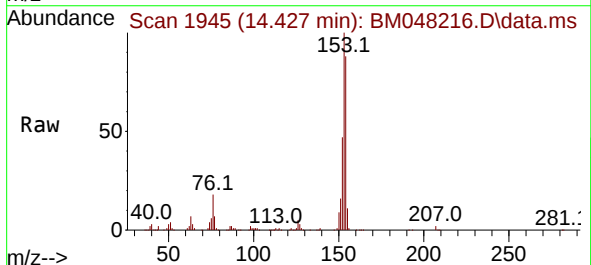
Manual Integrations
APPROVED

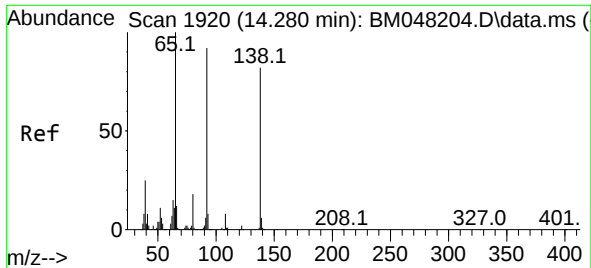
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#52
Acenaphthene
Concen: 5.843 ng
RT: 14.427 min Scan# 1945
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

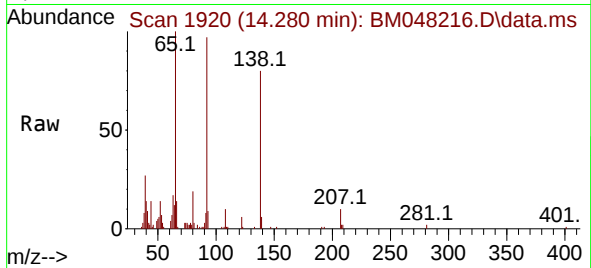
Tgt Ion:154 Resp: 146921
Ion Ratio Lower Upper
154 100
153 113.1 90.4 135.6
152 53.6 43.6 65.4





#53
3-Nitroaniline
Concen: 4.840 ng
RT: 14.280 min Scan# 1920
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

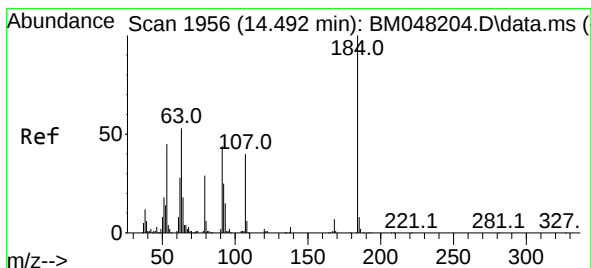
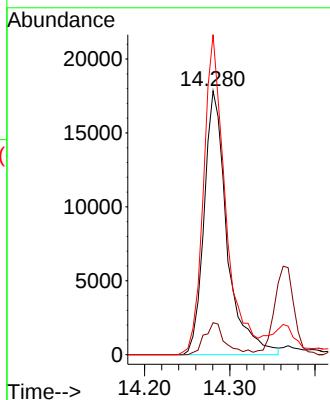
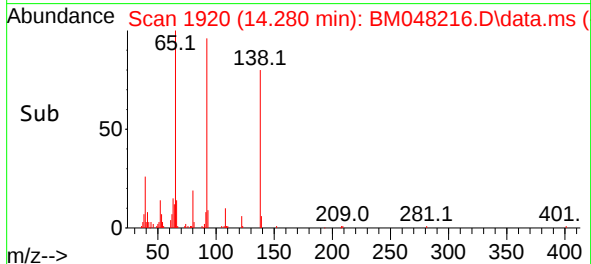
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:138 Resp: 33498
Ion Ratio Lower Upper
138 100
108 12.1 7.5 11.3
92 121.3 89.7 134.5

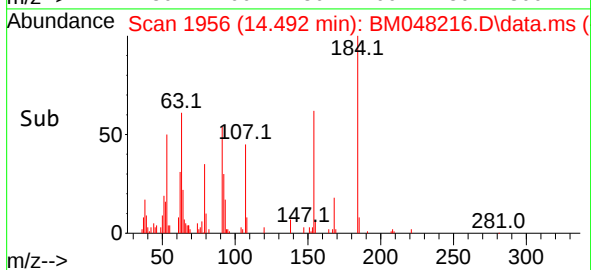
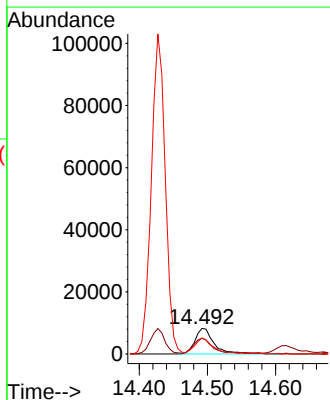
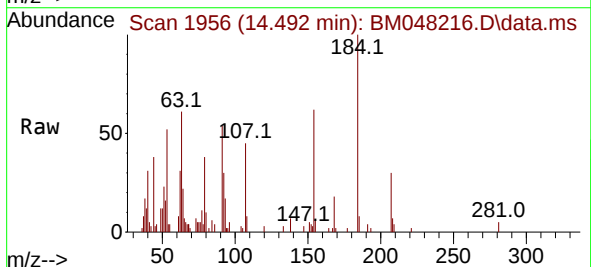
Manual Integrations
APPROVED

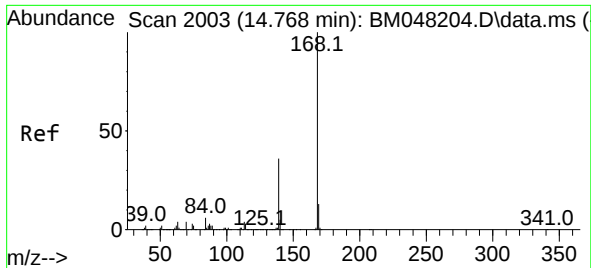
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#54
2,4-Dinitrophenol
Concen: 3.674 ng
RT: 14.492 min Scan# 1956
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

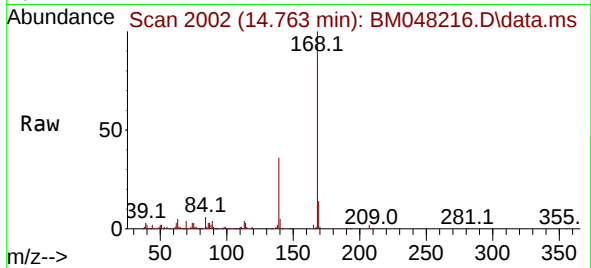
Tgt Ion:184 Resp: 15755
Ion Ratio Lower Upper
184 100
63 61.3 47.2 70.8
154 62.5 46.0 69.0





#55
Dibenzenofuran
Concen: 6.032 ng
RT: 14.763 min Scan# 20
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

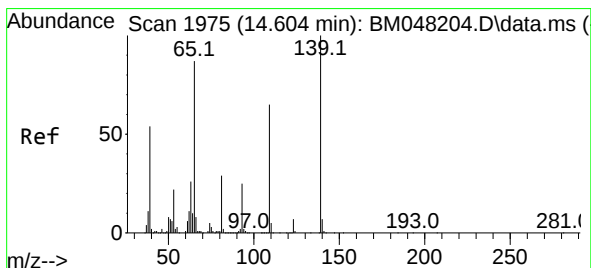
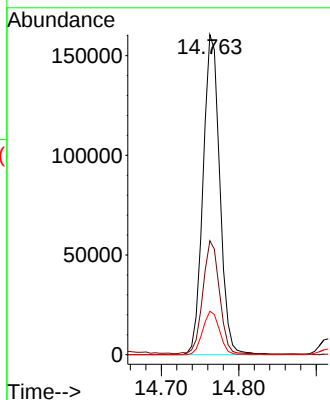
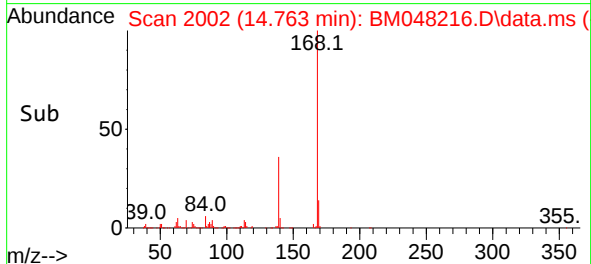
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



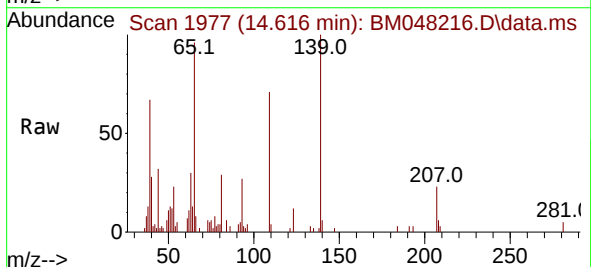
Tgt Ion:168 Resp: 24096
Ion Ratio Lower Upper
168 100
139 35.6 29.0 43.6
169 13.6 10.4 15.6

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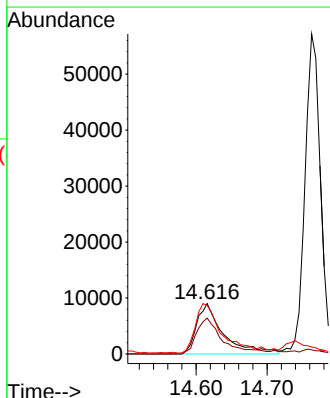
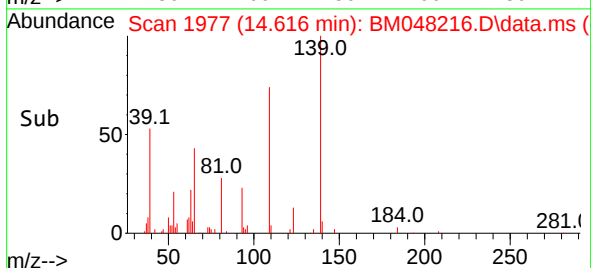
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

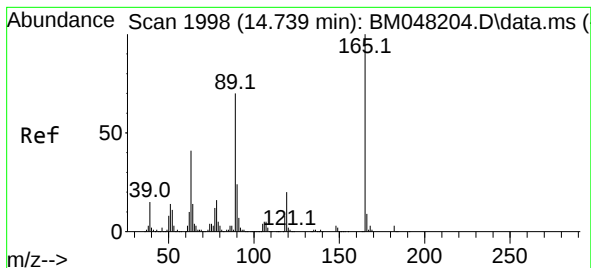


#56
4-Nitrophenol
Concen: 3.826 ng
RT: 14.616 min Scan# 1977
Delta R.T. 0.012 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30



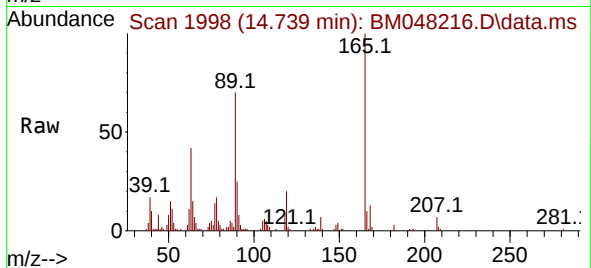
Tgt Ion:139 Resp: 23636
Ion Ratio Lower Upper
139 100
109 71.2 45.4 85.4
65 96.3 67.3 107.3





#57
2,4-Dinitrotoluene
Concen: 4.877 ng
RT: 14.739 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

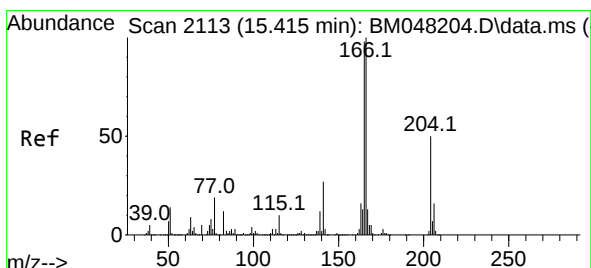
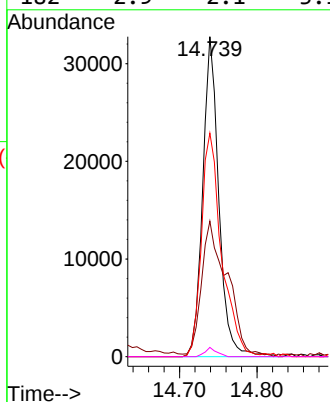
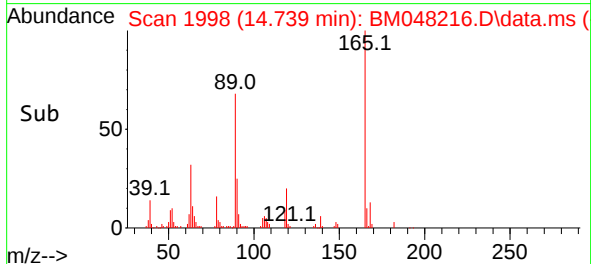
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:165 Resp: 47269
Ion Ratio Lower Upper
165 100
63 42.3 33.0 49.4
89 69.9 55.8 83.6
182 2.9 2.1 3.1

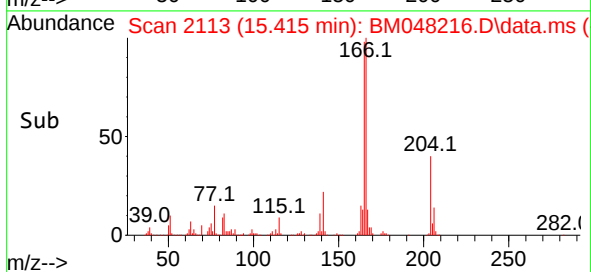
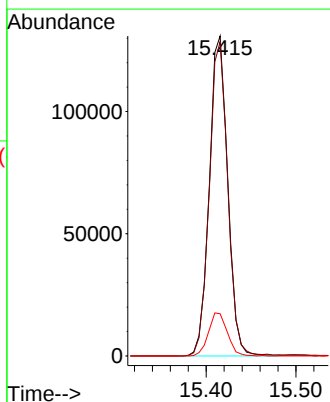
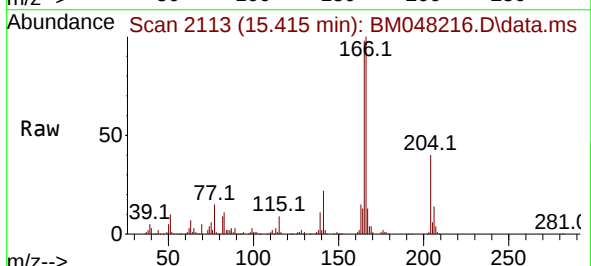
Manual Integrations
APPROVED

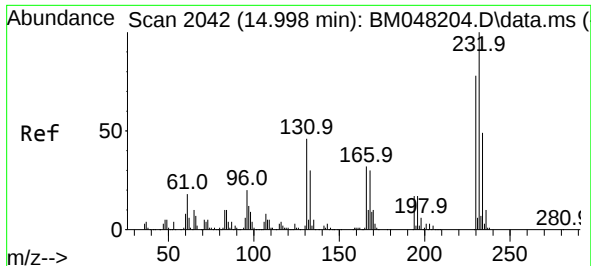
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#58
Fluorene
Concen: 5.915 ng
RT: 15.415 min Scan# 2113
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

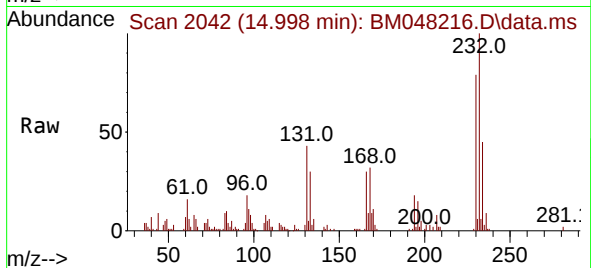
Tgt Ion:166 Resp: 186834
Ion Ratio Lower Upper
166 100
165 98.2 78.4 117.6
167 13.2 10.8 16.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 5.666 ng
RT: 14.998 min Scan# 2042
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

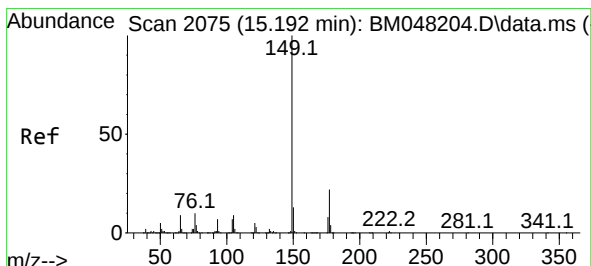
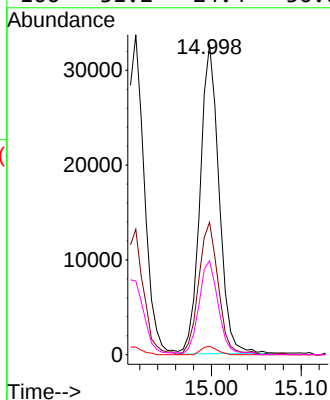
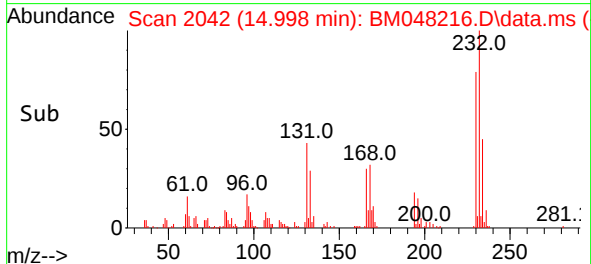
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:232 Resp: 47858
Ion Ratio Lower Upper
232 100
131 44.4 35.5 53.3
130 2.3 1.8 2.6
166 31.2 24.4 36.6

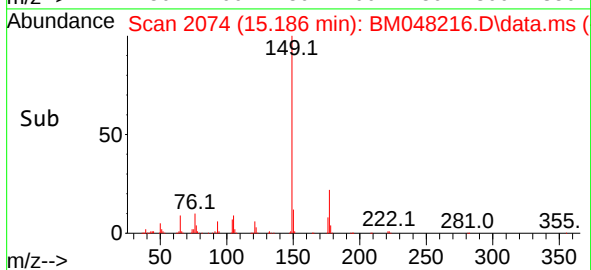
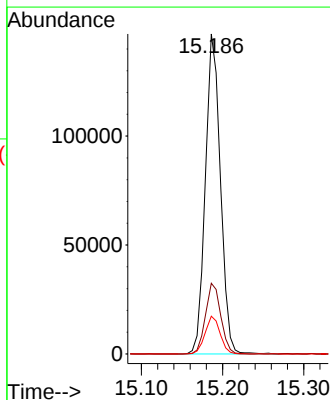
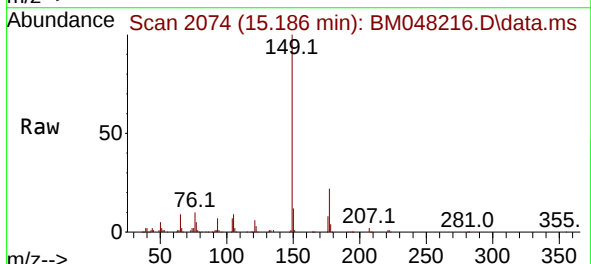
Manual Integrations
APPROVED

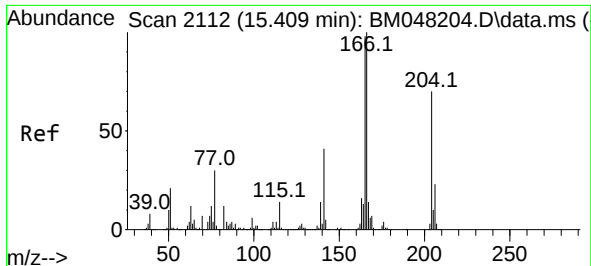
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#60
Diethylphthalate
Concen: 5.668 ng
RT: 15.186 min Scan# 2074
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

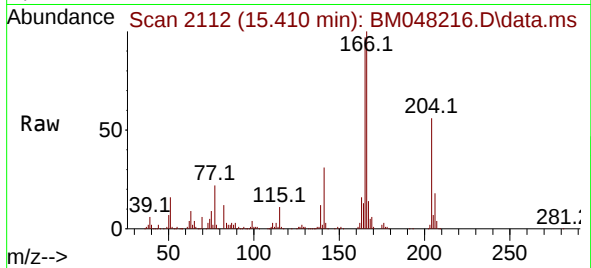
Tgt Ion:149 Resp: 188773
Ion Ratio Lower Upper
149 100
177 22.1 17.5 26.3
150 11.8 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 5.956 ng
RT: 15.410 min Scan# 2112
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

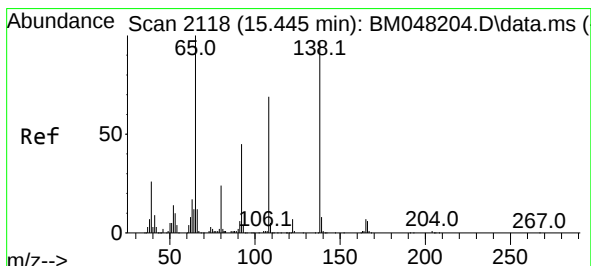
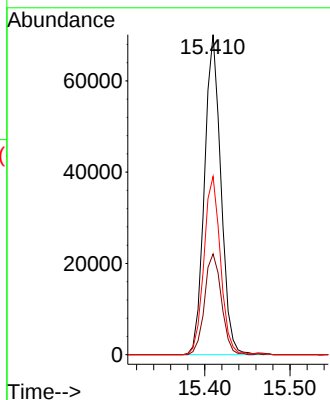
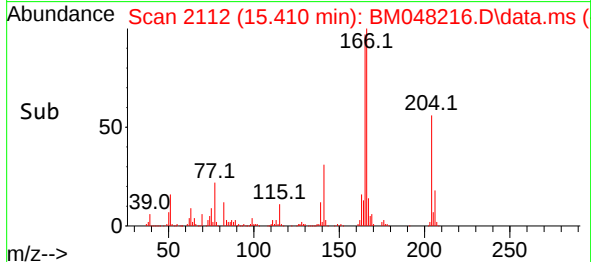
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion:204 Resp: 94075
Ion Ratio Lower Upper
204 100
206 31.5 26.2 39.4
141 55.7 47.0 70.6

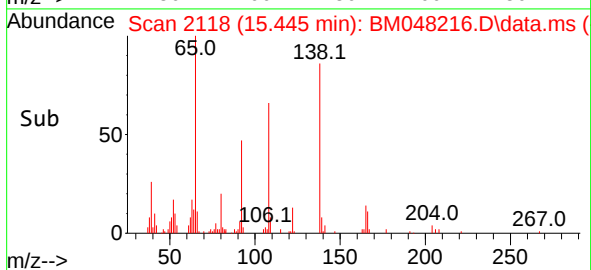
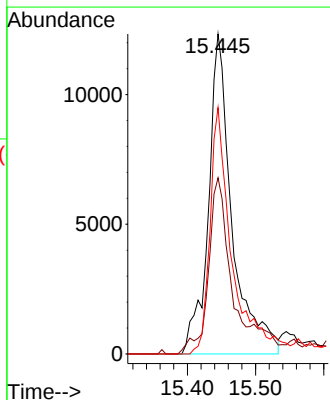
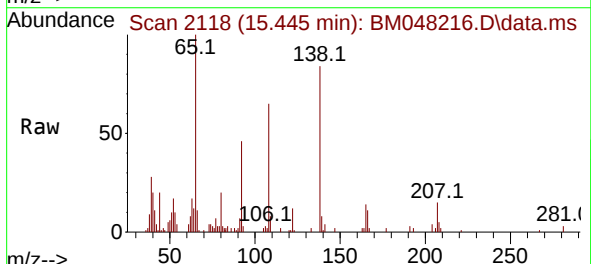
Manual Integrations
APPROVED

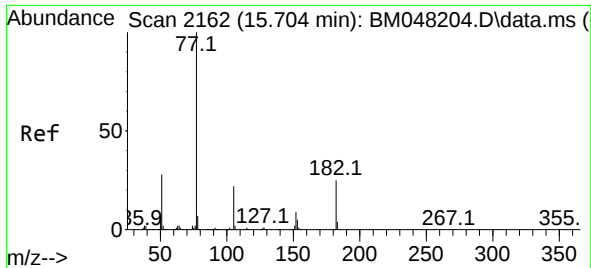
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#62
4-Nitroaniline
Concen: 4.180 ng
RT: 15.445 min Scan# 2118
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

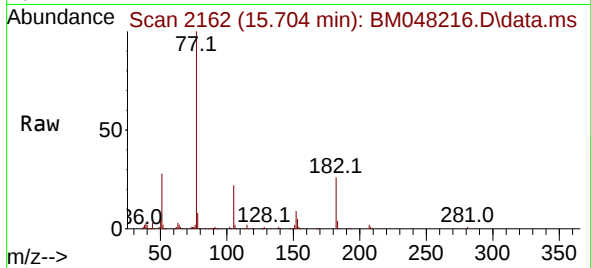
Tgt Ion:138 Resp: 29940
Ion Ratio Lower Upper
138 100
92 55.1 26.9 66.9
108 77.0 51.3 91.3





#63
Azobenzene
Concen: 5.668 ng
RT: 15.704 min Scan# 2162
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

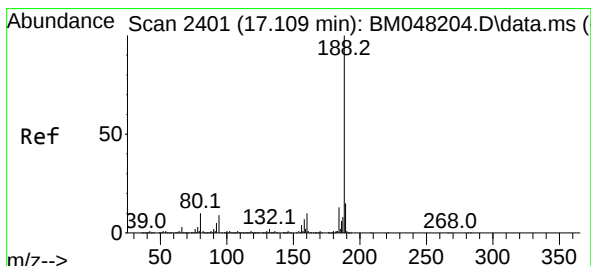
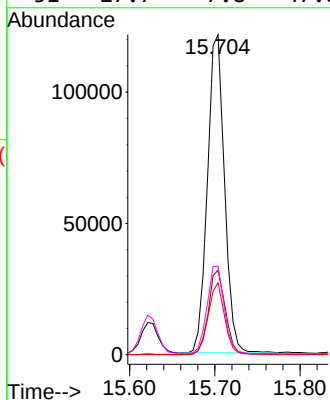
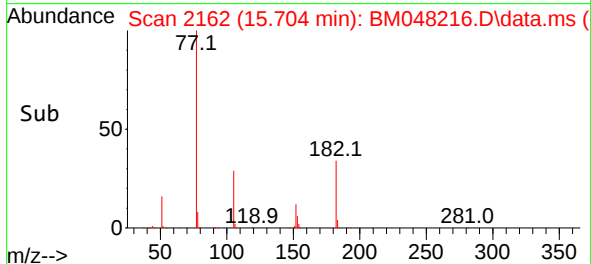
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



Tgt Ion: 77 Resp: 169180
Ion Ratio Lower Upper
77 100
182 26.4 5.3 45.3
105 22.5 1.6 41.6
51 27.7 7.8 47.8

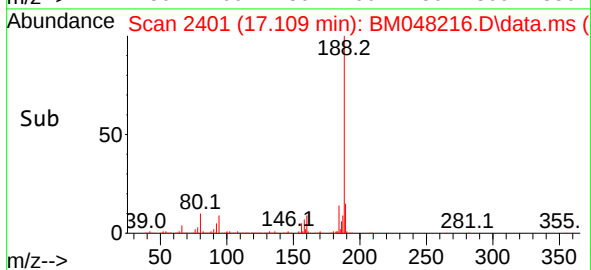
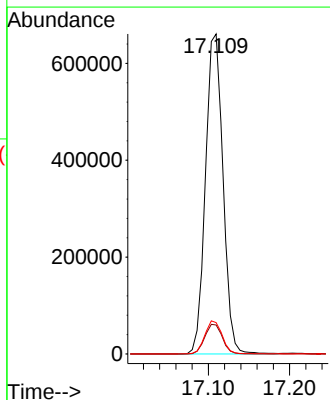
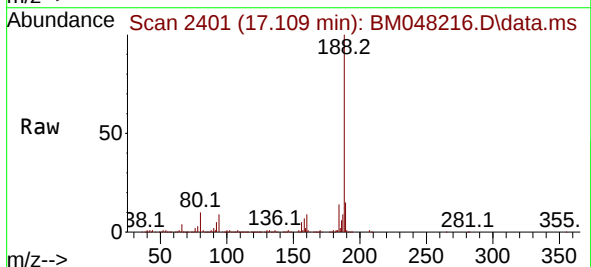
Manual Integrations
APPROVED

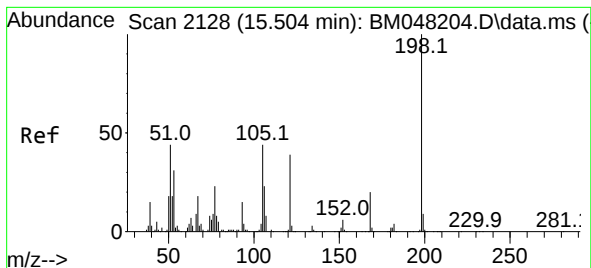
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.109 min Scan# 2401
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

Tgt Ion:188 Resp: 989269
Ion Ratio Lower Upper
188 100
94 9.1 7.3 10.9
80 9.8 8.0 12.0





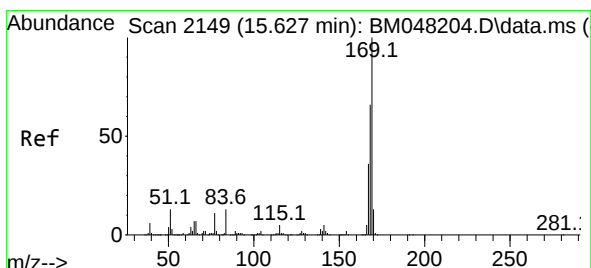
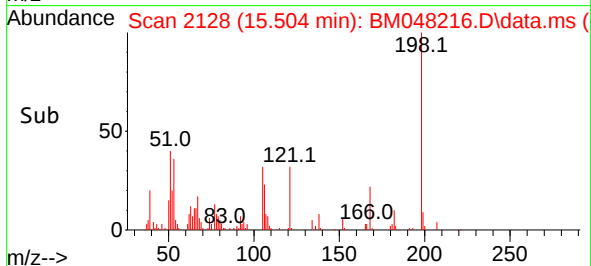
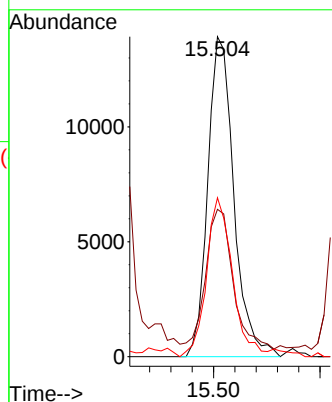
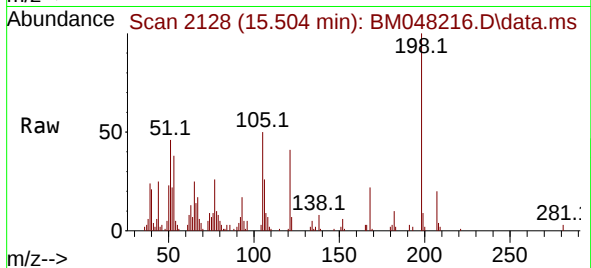
#65
4,6-Dinitro-2-methylphenol
Concen: 4.112 ng
RT: 15.504 min Scan# 2128
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

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

Tgt Ion:198 Resp: 23604
Ion Ratio Lower Upper
198 100
51 46.0 25.4 65.4
105 49.6 23.9 63.9

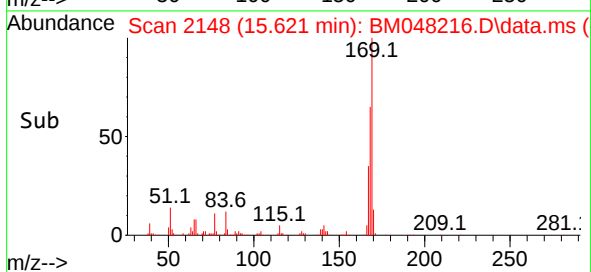
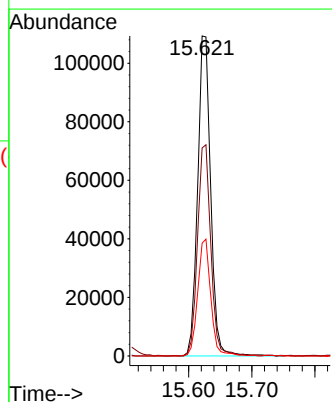
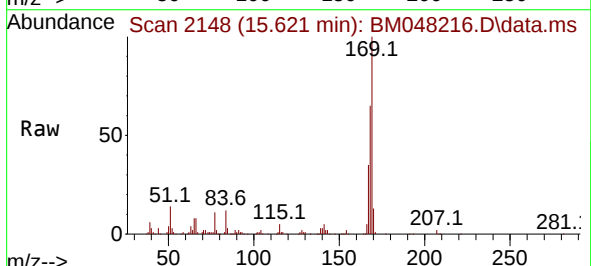
Manual Integrations
APPROVED

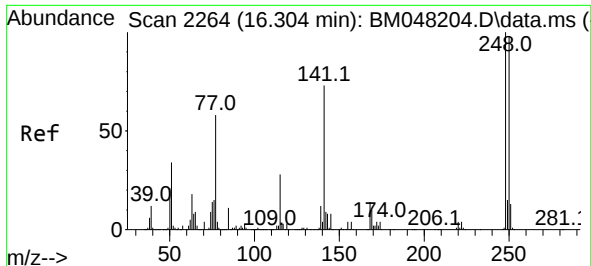
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024



#66
n-Nitrosodiphenylamine
Concen: 5.746 ng
RT: 15.621 min Scan# 2148
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

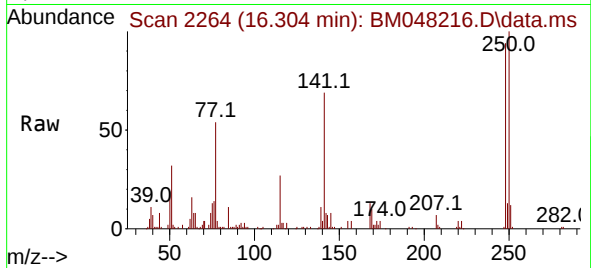
Tgt Ion:169 Resp: 156039
Ion Ratio Lower Upper
169 100
168 65.0 52.9 79.3
167 35.3 29.3 43.9





#67
4-Bromophenyl-phenylether
Concen: 5.552 ng
RT: 16.304 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

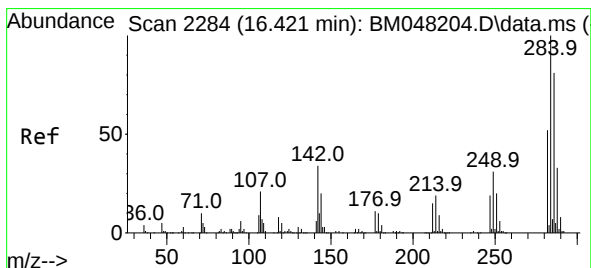
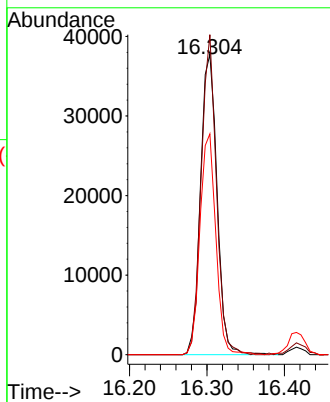
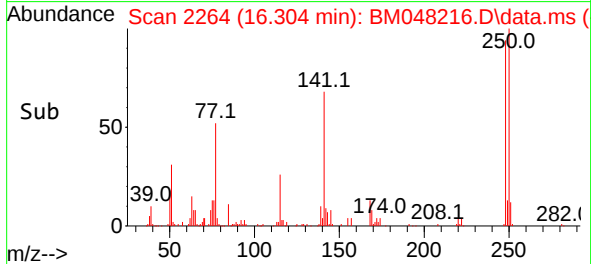
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



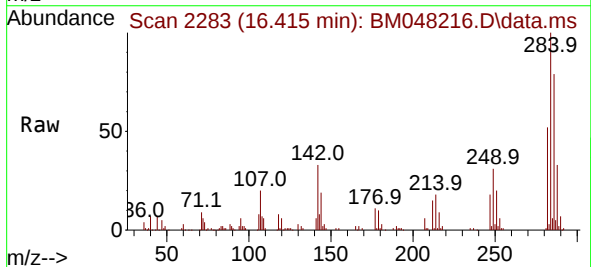
Tgt Ion:248 Resp: 55689
Ion Ratio Lower Upper
248 100
250 106.5 78.3 117.5
141 73.5 58.0 87.0

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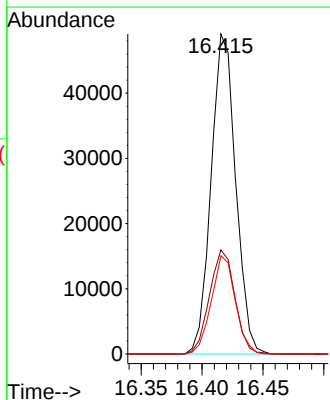
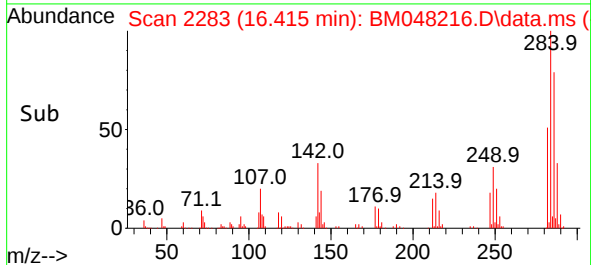
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

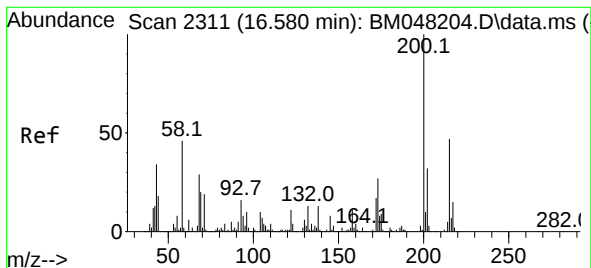


#68
Hexachlorobenzene
Concen: 5.708 ng
RT: 16.415 min Scan# 2283
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30



Tgt Ion:284 Resp: 68759
Ion Ratio Lower Upper
284 100
142 32.5 27.0 40.4
249 30.7 24.6 36.8





#69

Atrazine

Concen: 6.985 ng

RT: 16.574 min Scan# 21

Delta R.T. -0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

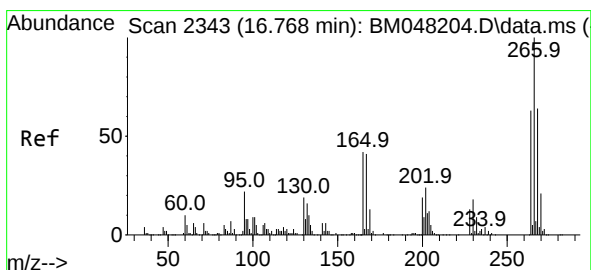
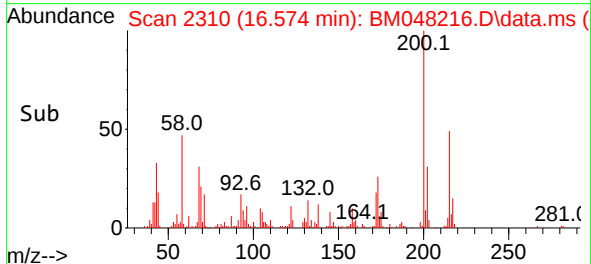
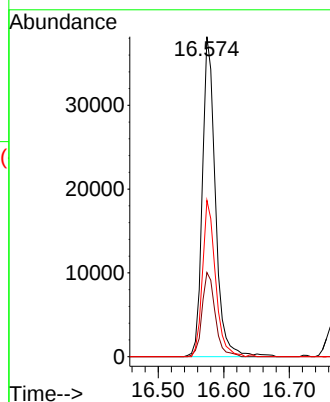
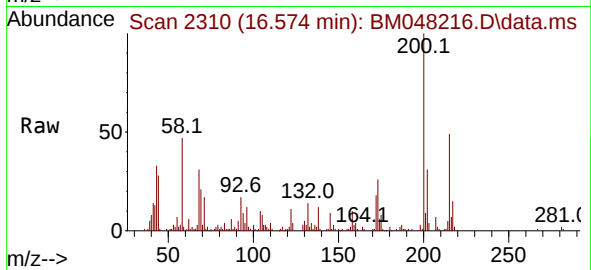
Tgt Ion:200 Resp: 53078
 Ion Ratio Lower Upper
 200 100
 173 26.3 6.5 46.5
 215 48.8 27.2 67.2

Manual Integrations

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Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#70

Pentachlorophenol

Concen: 4.832 ng

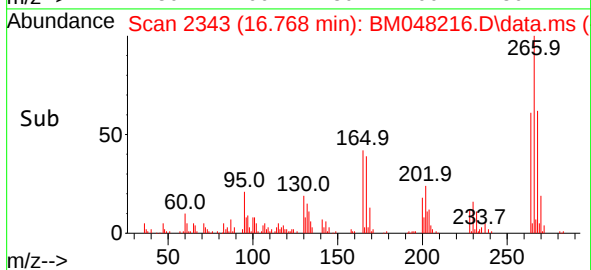
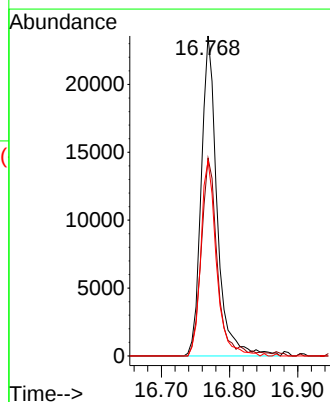
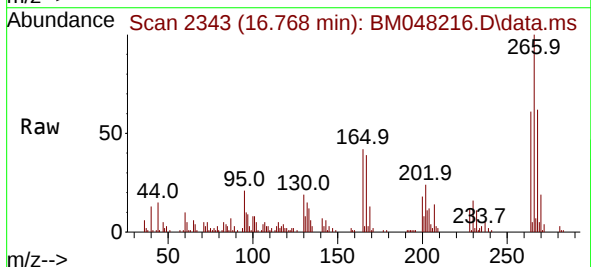
RT: 16.768 min Scan# 2343

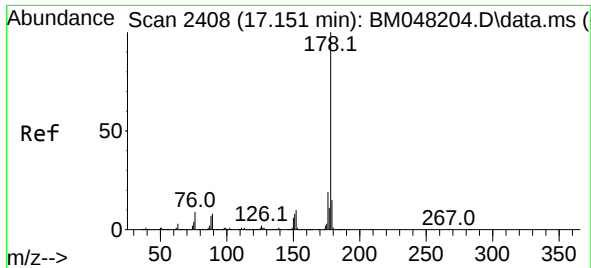
Delta R.T. 0.000 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

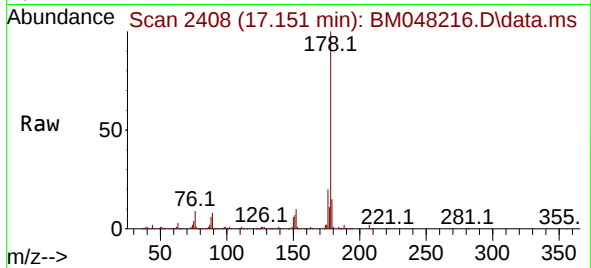
Tgt Ion:266 Resp: 38218
 Ion Ratio Lower Upper
 266 100
 268 61.8 50.8 76.2
 264 61.0 50.2 75.2





#71
Phenanthrene
Concen: 6.010 ng
RT: 17.151 min Scan# 2408
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

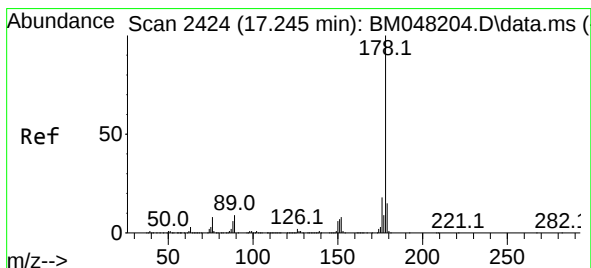
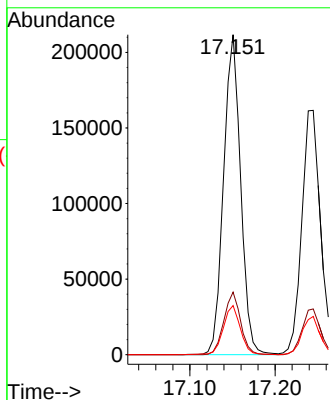
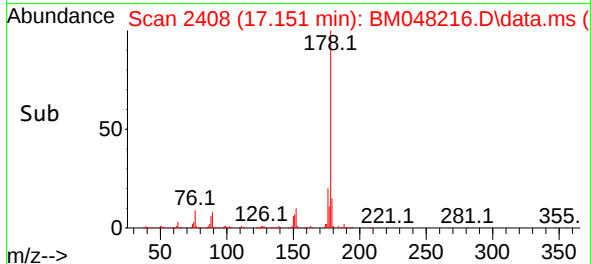
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



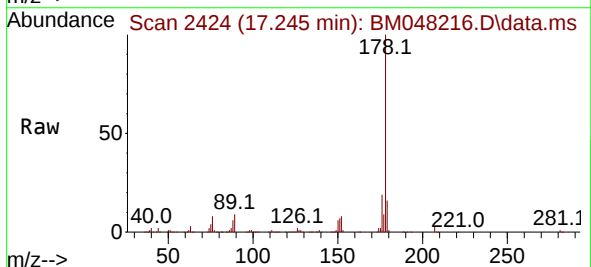
Tgt Ion:178 Resp: 294412
Ion Ratio Lower Upper
178 100
176 19.6 15.4 23.0
179 15.3 12.4 18.6

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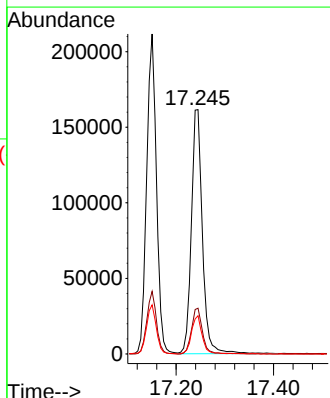
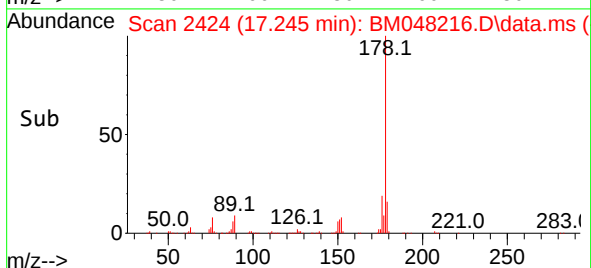
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

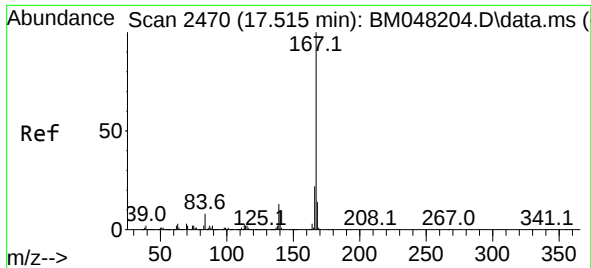


#72
Anthracene
Concen: 5.378 ng
RT: 17.245 min Scan# 2424
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30



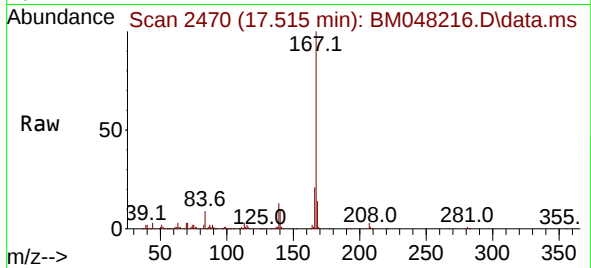
Tgt Ion:178 Resp: 255027
Ion Ratio Lower Upper
178 100
176 18.7 14.8 22.2
179 15.7 12.2 18.2





#73
 Carbazole
 Concen: 5.456 ng
 RT: 17.515 min Scan# 2470
 Delta R.T. 0.000 min
 Lab File: BM048216.D
 Acq: 24 Oct 2024 14:30

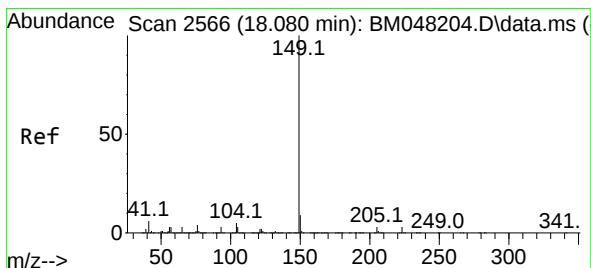
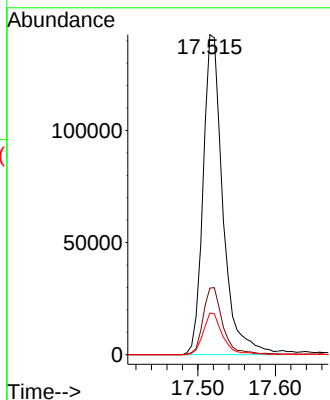
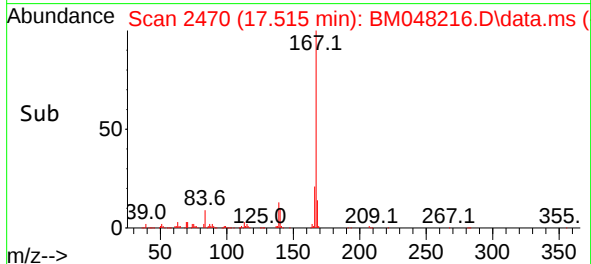
Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2024



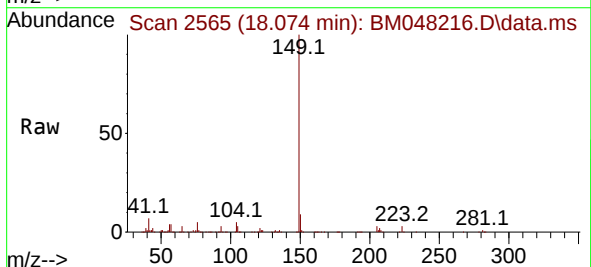
Tgt Ion:167 Resp: 253638
 Ion Ratio Lower Upper
 167 100
 166 20.8 17.2 25.8
 139 13.0 10.4 15.6

Manual Integrations
 APPROVED

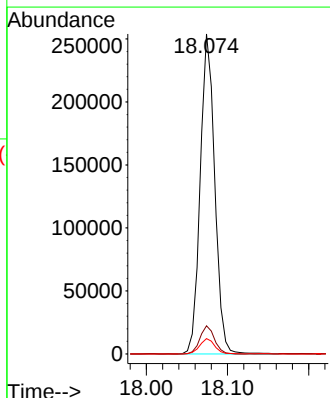
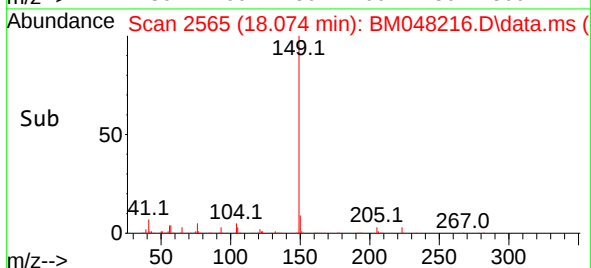
Reviewed By :Yogesh Patel 10/25/2024
 Supervised By :mohammad ahmed 10/26/2024

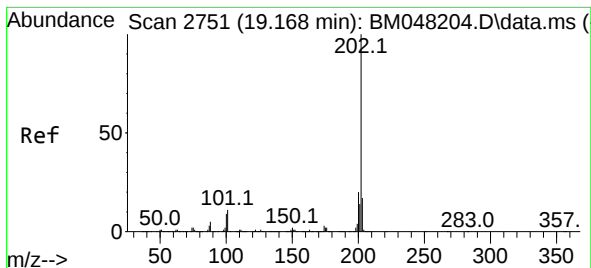


#74
 Di-n-butylphthalate
 Concen: 5.463 ng
 RT: 18.074 min Scan# 2565
 Delta R.T. -0.006 min
 Lab File: BM048216.D
 Acq: 24 Oct 2024 14:30



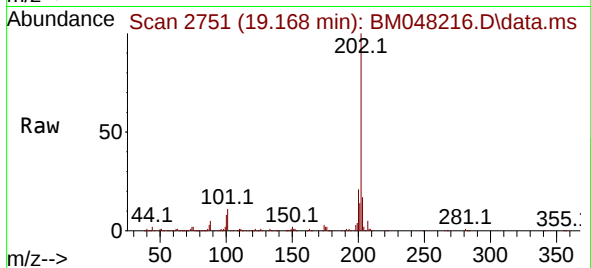
Tgt Ion:149 Resp: 316083
 Ion Ratio Lower Upper
 149 100
 150 8.8 7.2 10.8
 104 4.8 3.8 5.6





#75
Fluoranthene
Concen: 5.706 ng
RT: 19.168 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30

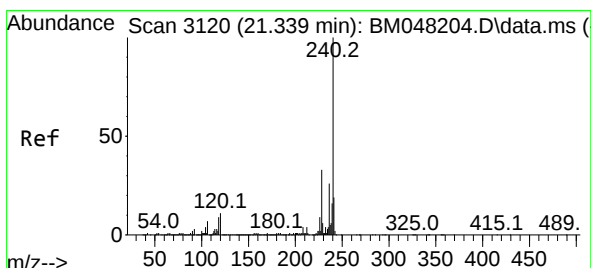
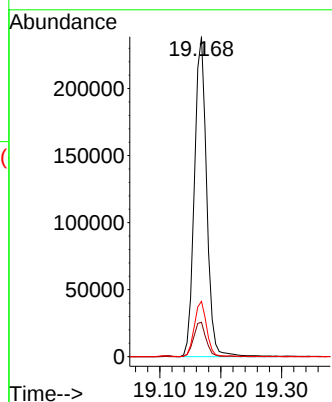
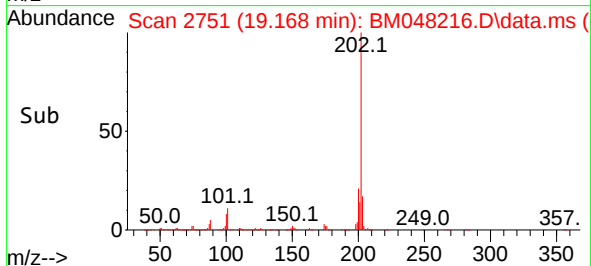
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2024



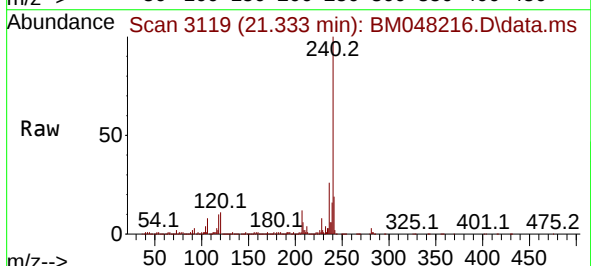
Tgt Ion:202 Resp: 33342
Ion Ratio Lower Upper
202 100
101 10.8 0.0 31.0
203 17.3 0.0 37.5

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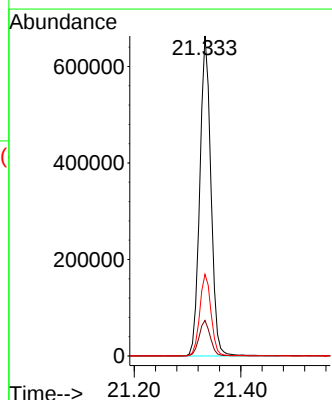
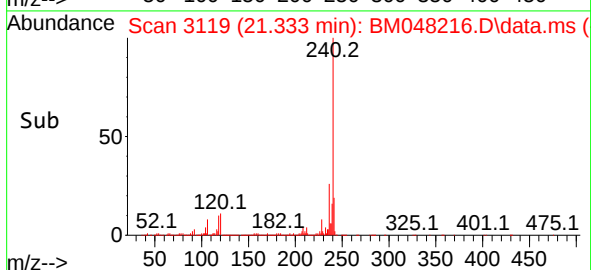
Reviewed By :Yogesh Patel 10/25/2024
Supervised By :mohammad ahmed 10/26/2024

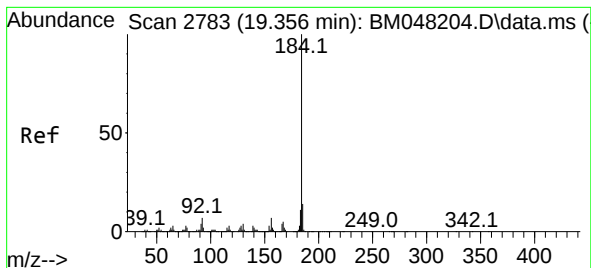


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.333 min Scan# 3119
Delta R.T. -0.006 min
Lab File: BM048216.D
Acq: 24 Oct 2024 14:30



Tgt Ion:240 Resp: 958330
Ion Ratio Lower Upper
240 100
120 11.1 8.6 13.0
236 25.5 20.7 31.1





#77

Benzidine

Concen: 5.091 ng

RT: 19.362 min Scan# 21

Delta R.T. 0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

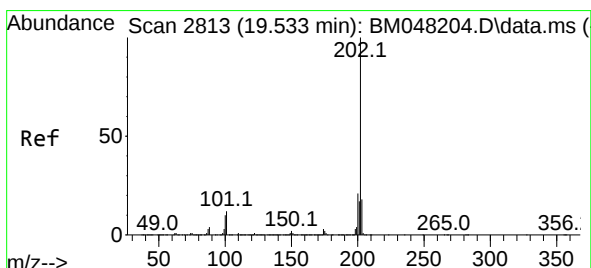
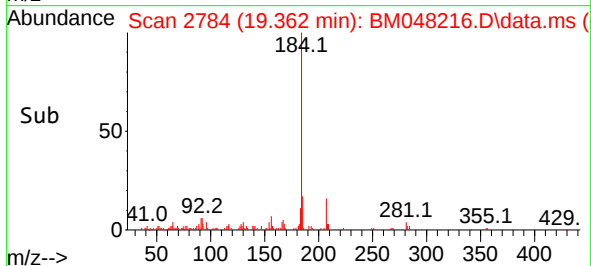
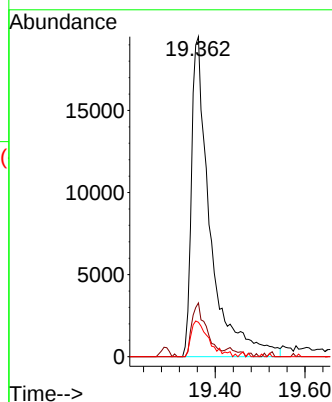
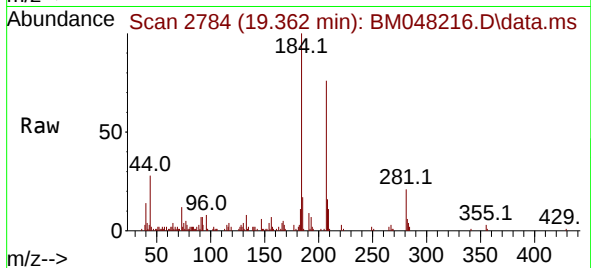
Tgt Ion:184 Resp: 56310
 Ion Ratio Lower Upper
 184 100
 185 16.8 11.4 17.0
 183 10.7 9.0 13.4

Manual Integrations

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Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#78

Pyrene

Concen: 5.507 ng

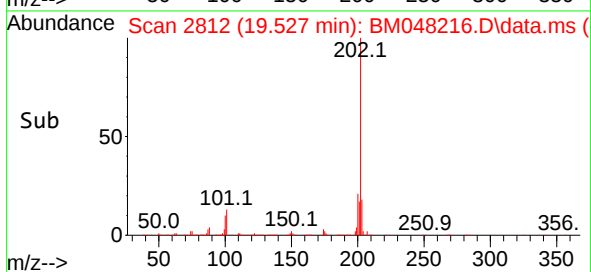
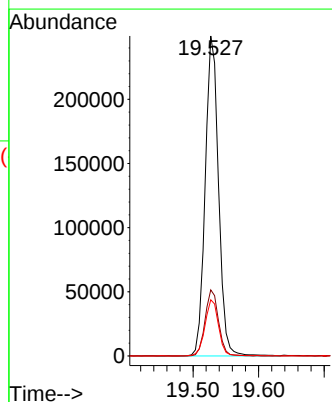
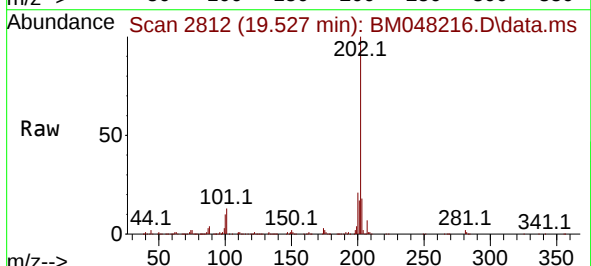
RT: 19.527 min Scan# 2812

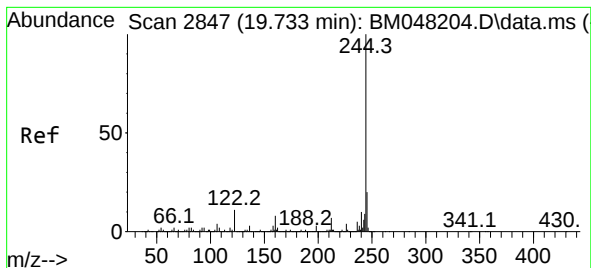
Delta R.T. -0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Tgt Ion:202 Resp: 353234
 Ion Ratio Lower Upper
 202 100
 200 20.6 16.9 25.3
 203 17.5 14.1 21.1





#79

Terphenyl-d14

Concen: 76.770 ng

RT: 19.733 min Scan# 2847

Delta R.T. -0.000 min

Lab File: BM048216.D

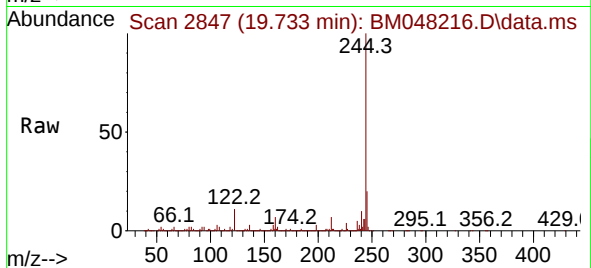
Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024



Tgt Ion:244 Resp: 360514

Ion Ratio Lower Upper

244 100

212 7.0 5.6 8.4

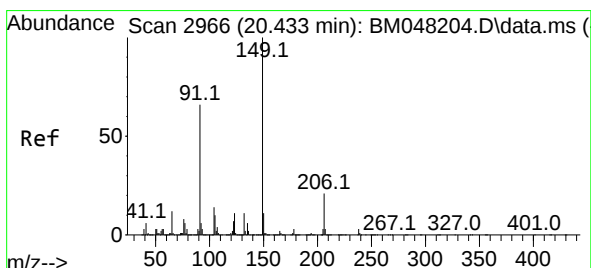
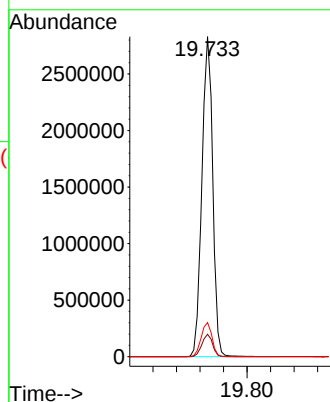
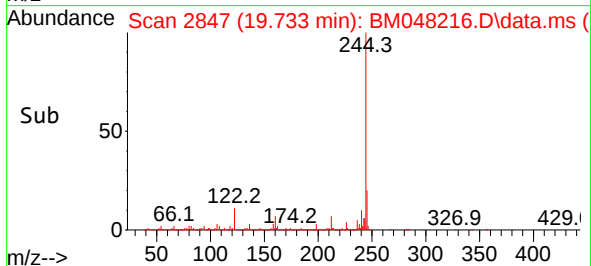
122 10.6 8.8 13.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#80

Butylbenzylphthalate

Concen: 5.248 ng

RT: 20.427 min Scan# 2965

Delta R.T. -0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

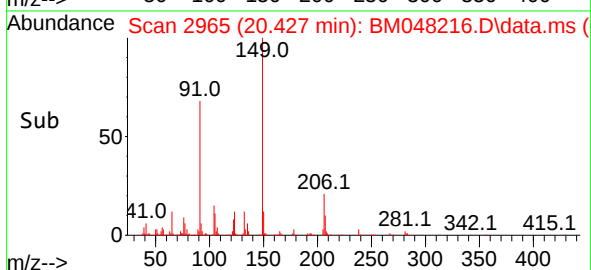
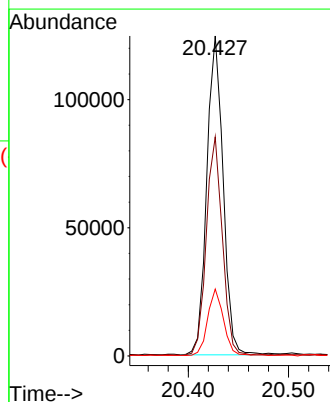
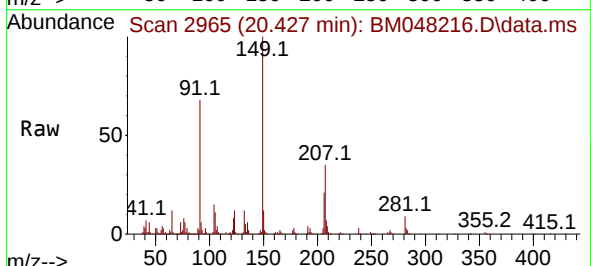
Tgt Ion:149 Resp: 140769

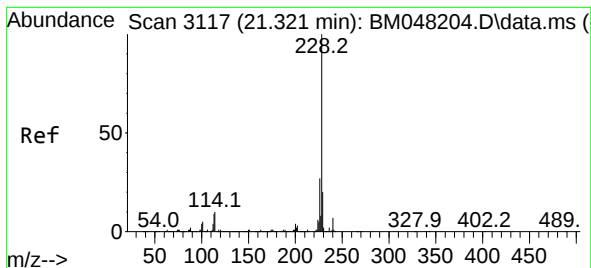
Ion Ratio Lower Upper

149 100

91 68.4 52.5 78.7

206 20.9 17.0 25.6





#81

Benzo(a)anthracene

Concen: 5.753 ng

RT: 21.315 min Scan# 3117

Delta R.T. -0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:228 Resp: 352330

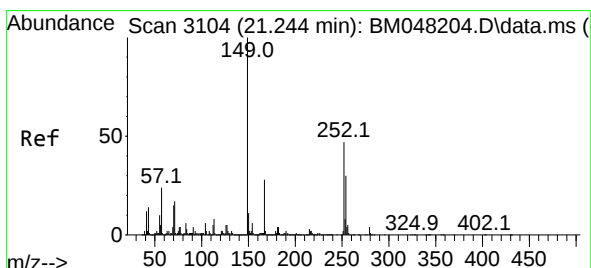
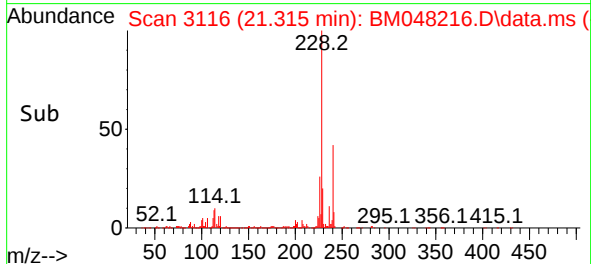
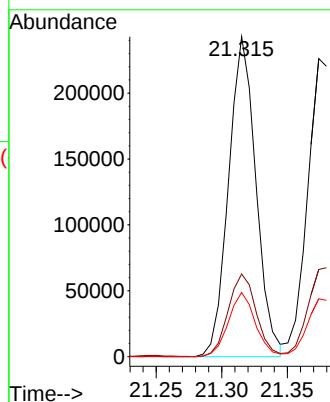
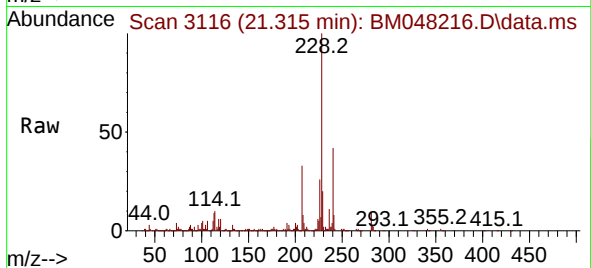
Ion	Ratio	Lower	Upper
228	100		
226	25.8	21.5	32.3
229	20.1	15.7	23.5

Manual Integrations

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Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#82

3,3'-Dichlorobenzidine

Concen: 5.380 ng

RT: 21.245 min Scan# 3104

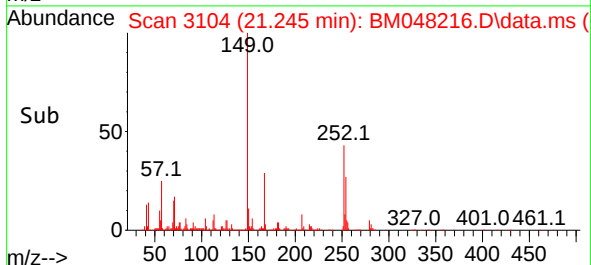
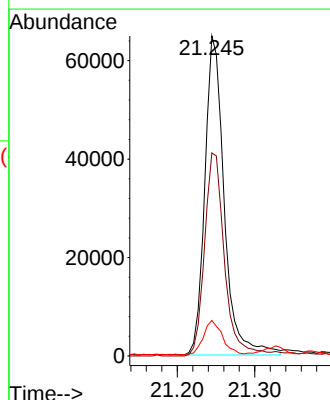
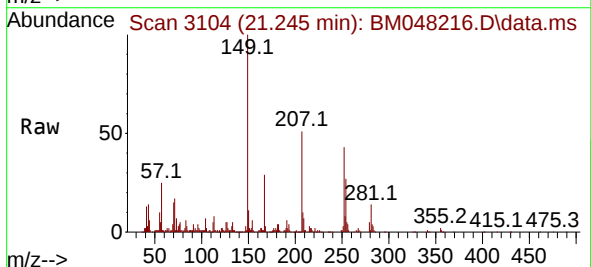
Delta R.T. 0.000 min

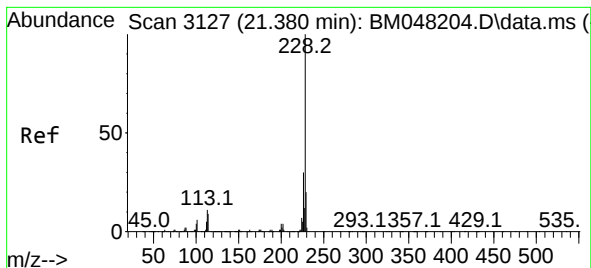
Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Tgt Ion:252 Resp: 112857

Ion	Ratio	Lower	Upper
252	100		
254	63.4	51.8	77.8
126	11.1	8.8	13.2





#83

Chrysene

Concen: 5.936 ng

RT: 21.374 min Scan# 3127

Delta R.T. -0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

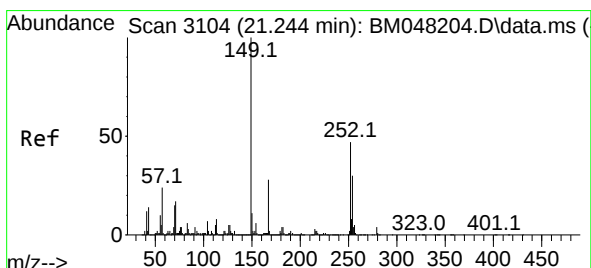
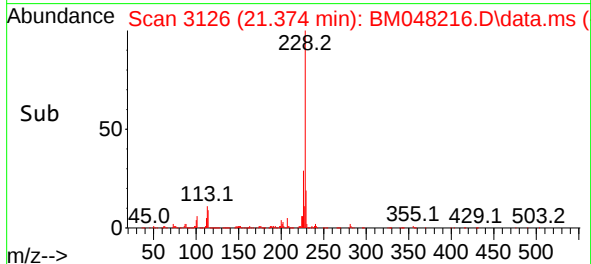
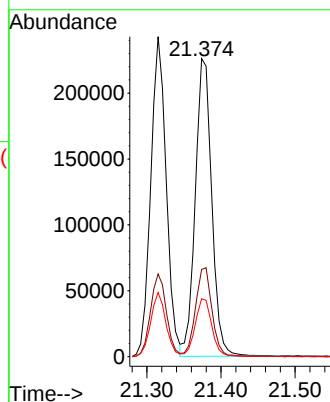
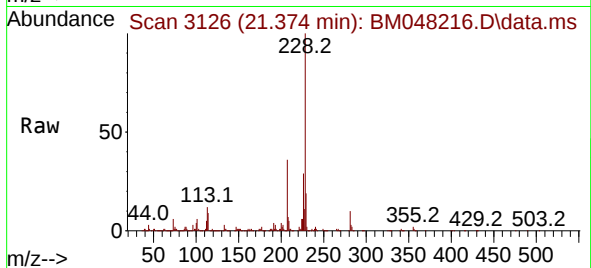
ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:228 Resp: 34893
 Ion Ratio Lower Upper
 228 100
 226 29.3 23.5 35.3
 229 19.4 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: 5.587 ng

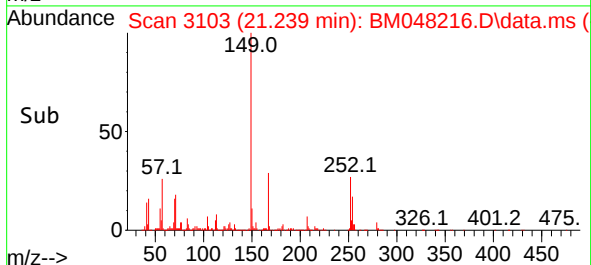
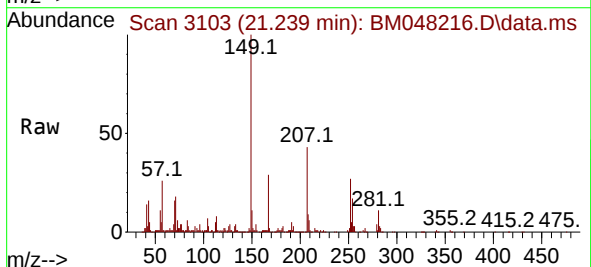
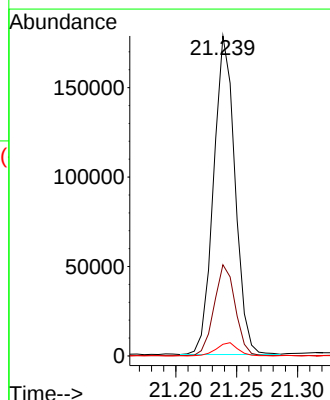
RT: 21.239 min Scan# 3103

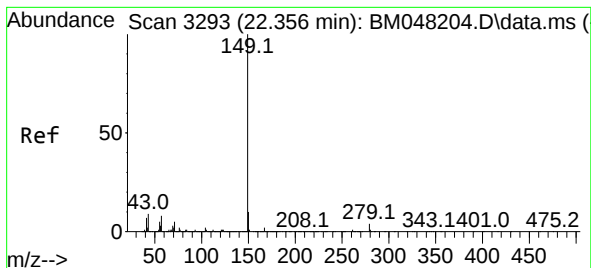
Delta R.T. -0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Tgt Ion:149 Resp: 217804
 Ion Ratio Lower Upper
 149 100
 167 28.5 22.5 33.7
 279 3.6 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 5.094 ng

RT: 22.350 min Scan# 3293

Delta R.T. -0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

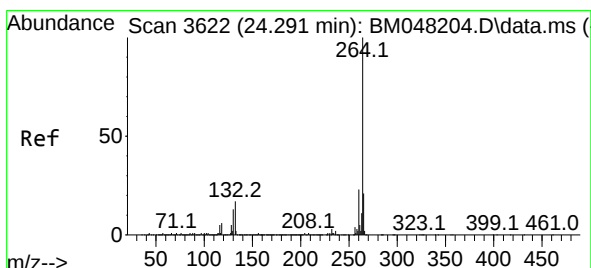
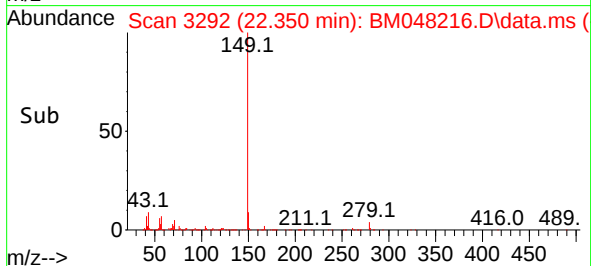
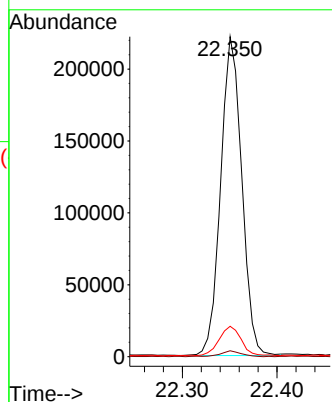
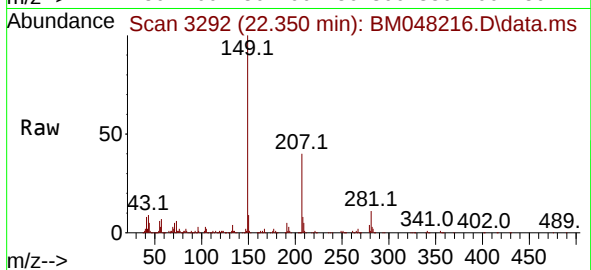
ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:149 Resp: 343935
 Ion Ratio Lower Upper
 149 100
 167 1.8 1.2 1.8
 43 9.9 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

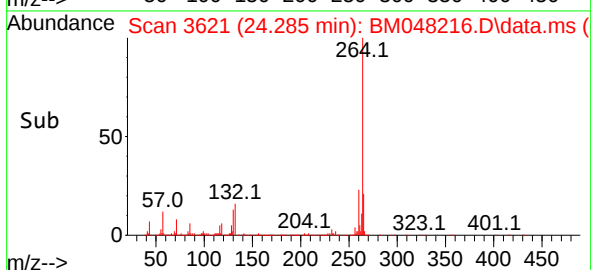
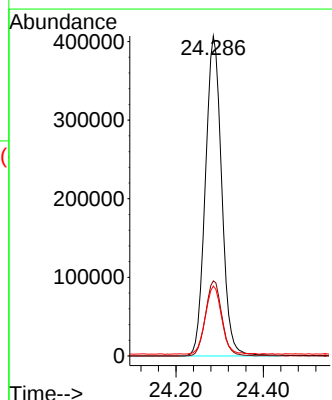
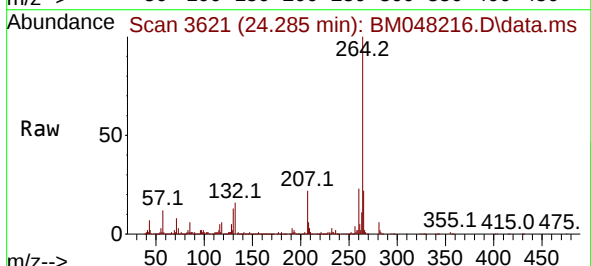
RT: 24.285 min Scan# 3621

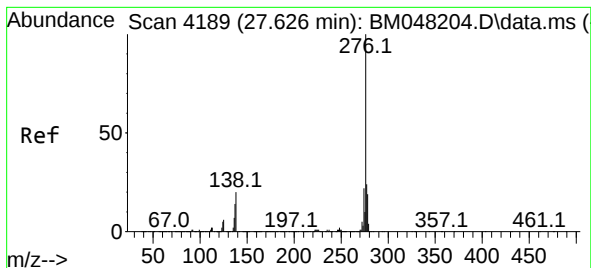
Delta R.T. -0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Tgt Ion:264 Resp: 1057061
 Ion Ratio Lower Upper
 264 100
 260 23.4 18.6 27.8
 265 21.9 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 5.963 ng

RT: 27.603 min Scan# 4185

Delta R.T. -0.023 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

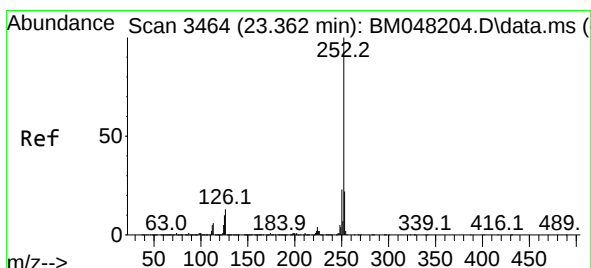
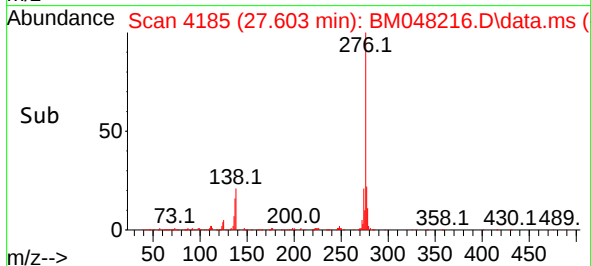
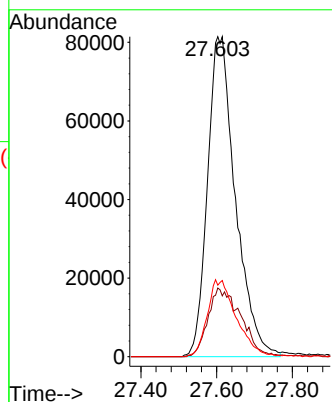
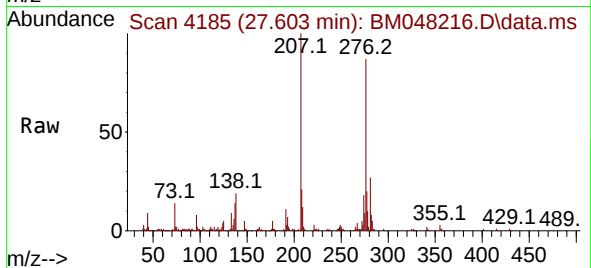
ClientSampleId :

LOQ-SOIL-02-QT4-2024

Tgt Ion:276 Resp: 41683
 Ion Ratio Lower Upper
 276 100
 138 25.2 19.8 29.6
 277 25.0 20.0 30.0

Manual Integrations
 APPROVED

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



#88

Benzo(b)fluoranthene

Concen: 5.865 ng

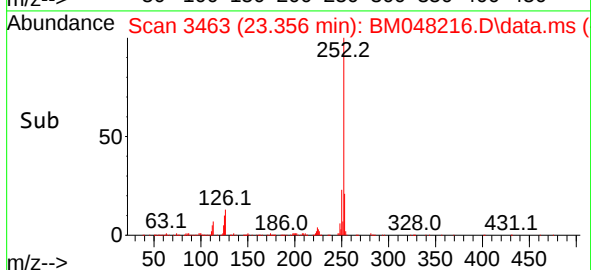
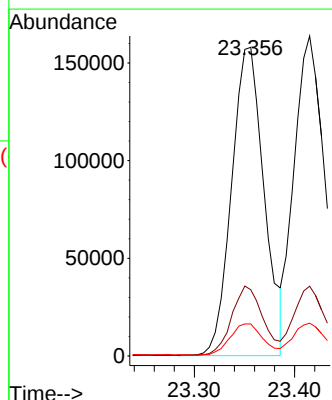
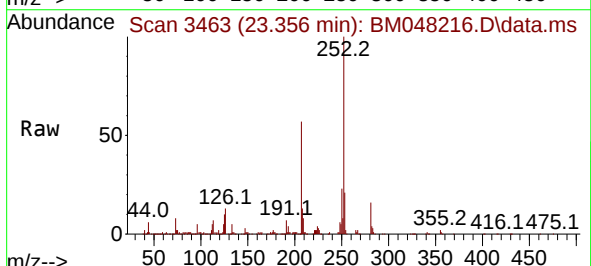
RT: 23.356 min Scan# 3463

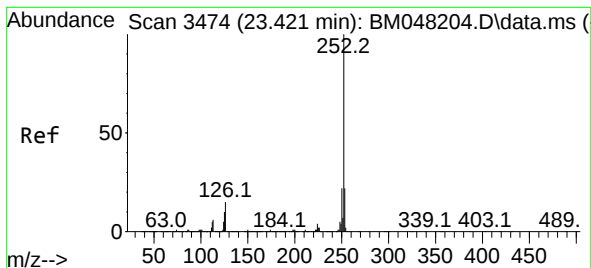
Delta R.T. -0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Tgt Ion:252 Resp: 355454
 Ion Ratio Lower Upper
 252 100
 253 21.5 17.8 26.6
 125 10.4 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 6.059 ng

RT: 23.415 min Scan# 34

Delta R.T. -0.006 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024

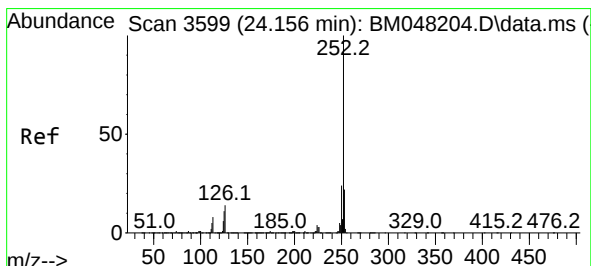
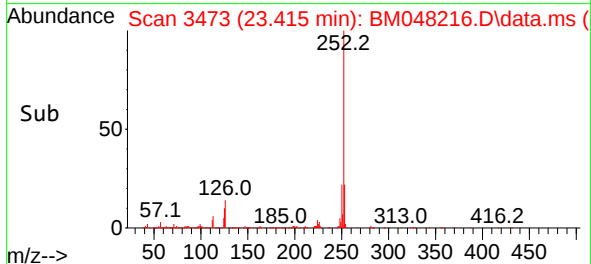
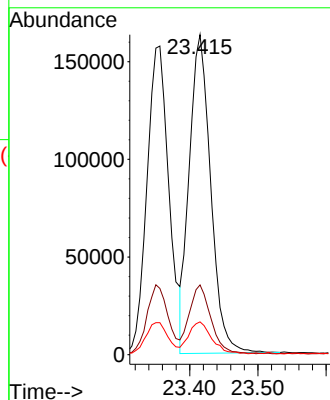
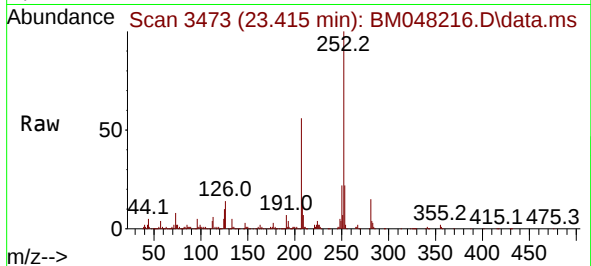
Tgt Ion:252 Resp: 355028
 Ion Ratio Lower Upper
 252 100
 253 21.8 17.8 26.8
 125 10.3 7.8 11.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/25/2024

Supervised By :mohammad ahmed 10/26/2024



#90

Benzo(a)pyrene

Concen: 5.987 ng

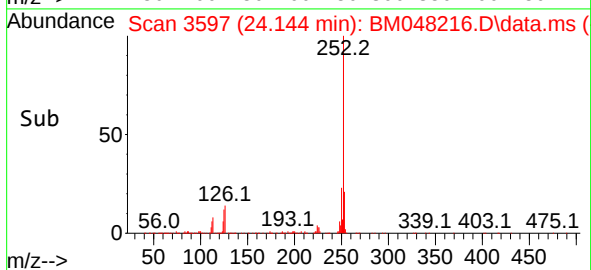
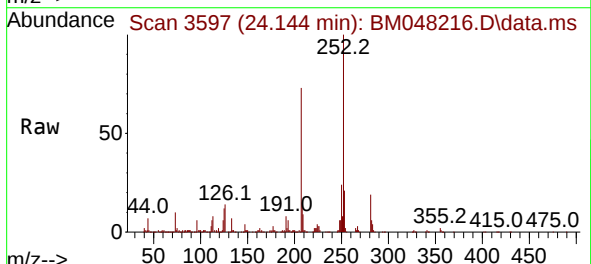
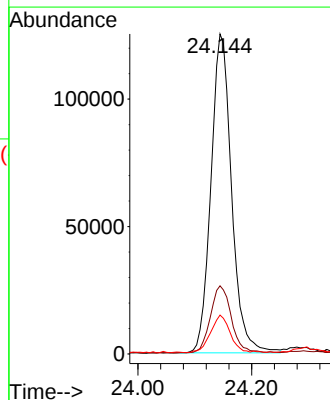
RT: 24.144 min Scan# 3597

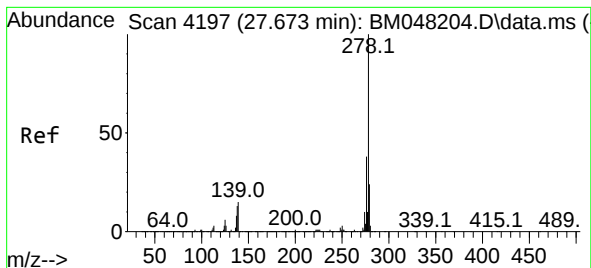
Delta R.T. -0.012 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Tgt Ion:252 Resp: 315454
 Ion Ratio Lower Upper
 252 100
 253 21.3 17.3 25.9
 125 12.2 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 6.026 ng

RT: 27.662 min Scan# 4195

Delta R.T. -0.012 min

Lab File: BM048216.D

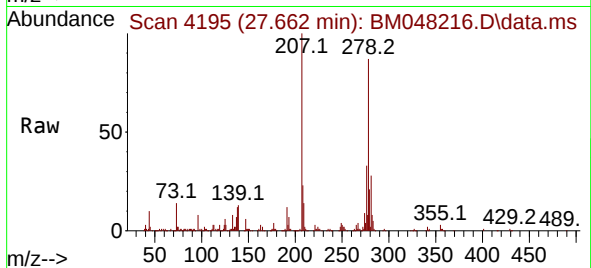
Acq: 24 Oct 2024 14:30

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2024



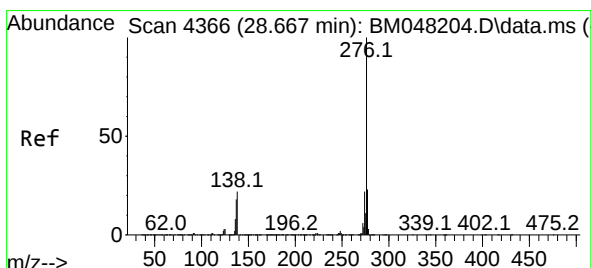
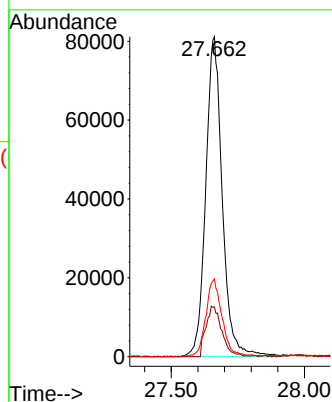
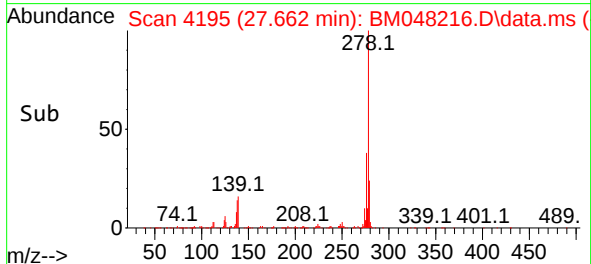
Tgt Ion: 278 Resp: 35078

Ion	Ratio	Lower	Upper
278	100		
139	15.5	12.2	18.4
279	24.3	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: 5.581 ng

RT: 28.644 min Scan# 4362

Delta R.T. -0.023 min

Lab File: BM048216.D

Acq: 24 Oct 2024 14:30

Tgt Ion: 276 Resp: 332635

Ion	Ratio	Lower	Upper
276	100		
277	22.3	18.5	27.7
138	21.3	17.5	26.3

