

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM031622\
 Data File : BM034259.D
 Acq On : 16 Mar 2022 15:01
 Operator : CG/JU
 Sample : N1645-02
 Misc : LOQ-SOIL 5ppn
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT1-2022

Quant Time: Mar 16 15:49:37 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 16 02:38:26 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/17/2022
 Supervised By : Jagrut Upadhyay 03/17/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.948	152	185304	20.000	ng	0.00
21) Naphthalene-d8	10.760	136	750486	20.000	ng	0.00
39) Acenaphthene-d10	14.589	164	505142	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	1061651	20.000	ng	0.00
76) Chrysene-d12	21.494	240	1070786	20.000	ng	0.00
86) Perylene-d12	23.912	264	1040805	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.496	112	1016535	98.413	ng	0.00
7) Phenol-d6	7.101	99	1404236	94.950	ng	0.00
23) Nitrobenzene-d5	9.113	82	1062982	68.960	ng	0.00
42) 2,4,6-Tribromophenol	16.071	330	701869	103.085	ng	0.00
45) 2-Fluorobiphenyl	13.219	172	2463483	66.641	ng	0.00
79) Terphenyl-d14	19.942	244	4079525	66.200	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.354	88	21698	4.643	ng	93
3) Pyridine	3.766	79	60014	4.746	ng	# 91
4) n-Nitrosodimethylamine	3.672	42	33728	5.617	ng	# 96
6) Aniline	7.266	93	100218	5.930	ng	95
8) 2-Chlorophenol	7.507	128	66032	5.466	ng	95
9) Benzaldehyde	7.078	77	51014m	6.402	ng	
10) Phenol	7.131	94	79412	5.399	ng	94
11) bis(2-Chloroethyl)ether	7.366	93	67365	5.580	ng	97
12) 1,3-Dichlorobenzene	7.837	146	78122	5.701	ng	99
13) 1,4-Dichlorobenzene	7.984	146	78091	5.566	ng	97
14) 1,2-Dichlorobenzene	8.301	146	75107	5.492	ng	97
15) Benzyl Alcohol	8.184	79	58916	5.006	ng	98
16) 2,2'-oxybis(1-Chloropr...	8.478	45	94030	5.675	ng	99
17) 2-Methylphenol	8.389	107	53225	5.167	ng	98
18) Hexachloroethane	9.036	117	29393	5.680	ng	92
19) n-Nitroso-di-n-propyla...	8.754	70	58635	5.481	ng	99
20) 3+4-Methylphenols	8.719	107	68865	4.834	ng	98
22) Acetophenone	8.772	105	84552	4.390	ng	97
24) Nitrobenzene	9.154	77	86148	5.986	ng	97
25) Isophorone	9.678	82	153725	5.960	ng	97
26) 2-Nitrophenol	9.866	139	30407	4.764	ng	99
27) 2,4-Dimethylphenol	9.931	122	60071	6.011	ng	97
28) bis(2-Chloroethoxy)met...	10.166	93	89716	5.433	ng	97
29) 2,4-Dichlorophenol	10.401	162	57801	4.978	ng	100
30) 1,2,4-Trichlorobenzene	10.625	180	73432	5.564	ng	97
31) Naphthalene	10.813	128	221114	5.655	ng	100
32) Benzoic acid	9.983	122	12730	1.540	ng	91
33) 4-Chloroaniline	10.919	127	78986	5.121	ng	98
34) Hexachlorobutadiene	11.107	225	47067	5.630	ng	96
35) Caprolactam	11.672	113	14389	3.565	ng	95
36) 4-Chloro-3-methylphenol	12.036	107	64530	4.850	ng	99
37) 2-Methylnaphthalene	12.419	142	155727	5.582	ng	97
38) 1-Methylnaphthalene	12.636	142	155491	5.697	ng	97
40) 1,2,4,5-Tetrachloroben...	12.789	216	68688	4.506	ng	99
41) Hexachlorocyclopentadiene	12.772	237	53536	6.065	ng	97
43) 2,4,6-Trichlorophenol	13.024	196	49312	4.685	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	13.089	196	54288	4.806	ng	98
46) 1,1'-Biphenyl	13.424	154	175231	4.549	ng	97
47) 2-Chloronaphthalene	13.466	162	162189	5.486	ng	97
48) 2-Nitroaniline	13.660	65	41083	4.545	ng	99
49) Acenaphthylene	14.307	152	266669	5.787	ng	99
50) Dimethylphthalate	14.042	163	215063	5.594	ng	99
51) 2,6-Dinitrotoluene	14.154	165	42618	5.404	ng	96
52) Acenaphthene	14.648	154	167155	5.385	ng	97
53) 3-Nitroaniline	14.483	138	33272	4.205	ng	98
54) 2,4-Dinitrophenol	14.689	184	13984	3.165	ng	92
55) Dibenzofuran	14.983	168	255113	5.515	ng	99
56) 4-Nitrophenol	14.783	139	21528	3.356	ng	91
57) 2,4-Dinitrotoluene	14.936	165	52308	4.907	ng	# 92
58) Fluorene	15.630	166	205695	5.478	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.207	232	49892	4.898	ng	97
60) Diethylphthalate	15.401	149	219419	5.563	ng	98
61) 4-Chlorophenyl-phenyle...	15.624	204	105131	5.484	ng	100
62) 4-Nitroaniline	15.642	138	30352m	3.988	ng	
63) Azobenzene	15.912	77	205676	5.407	ng	98
65) 4,6-Dinitro-2-methylph...	15.701	198	25435	3.684	ng	98
66) n-Nitrosodiphenylamine	15.836	169	179470	5.321	ng	98
67) 4-Bromophenyl-phenylether	16.518	248	64729	5.304	ng	95
68) Hexachlorobenzene	16.636	284	74986	5.509	ng	98
69) Atrazine	16.777	200	50921	4.580	ng	99
70) Pentachlorophenol	16.977	266	40176	4.615	ng	96
71) Phenanthrene	17.365	178	325539	5.475	ng	99
72) Anthracene	17.459	178	321660	5.558	ng	100
73) Carbazole	17.724	167	258933	4.798	ng	98
74) Di-n-butylphthalate	18.295	149	352430	5.253	ng	99
75) Fluoranthene	19.377	202	366270	5.495	ng	98
77) Benzidine	19.559	184	73552m	4.687	ng	
78) Pyrene	19.736	202	393223	5.212	ng	99
80) Butylbenzylphthalate	20.630	149	148601	4.657	ng	98
81) Benzo(a)anthracene	21.477	228	371121	5.491	ng	99
82) 3,3'-Dichlorobenzidine	21.412	252	88548	3.923	ng	95
83) Chrysene	21.530	228	380223	5.509	ng	99
84) Bis(2-ethylhexyl)phtha...	21.412	149	230971	4.902	ng	99
85) Di-n-octyl phthalate	22.336	149	376633	5.036	ng	99
87) Indeno(1,2,3-cd)pyrene	26.424	276	311050	4.646	ng	97
88) Benzo(b)fluoranthene	23.171	252	328317	5.275	ng	99
89) Benzo(k)fluoranthene	23.224	252	385402	5.846	ng	99
90) Benzo(a)pyrene	23.800	252	311549	5.905	ng	99
91) Dibenzo(a,h)anthracene	26.441	278	244263	4.499	ng	99
92) Benzo(g,h,i)perylene	27.194	276	270529	4.814	ng	99

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

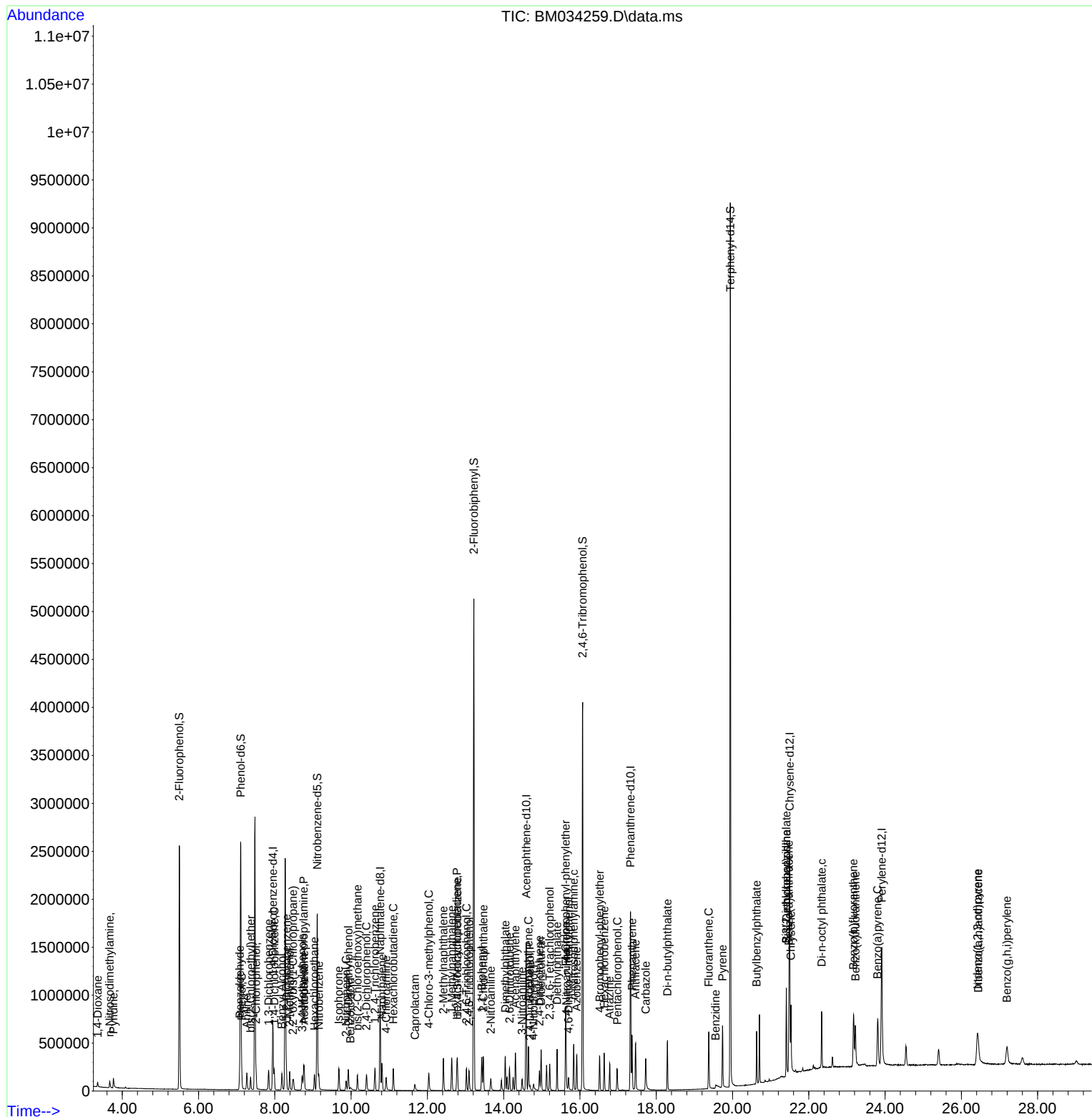
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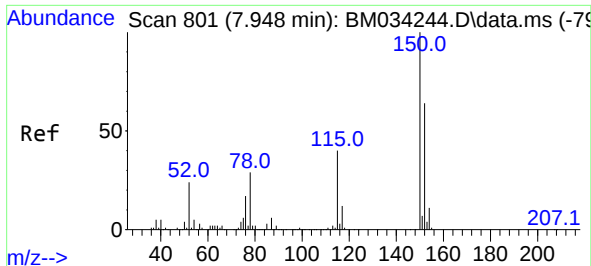
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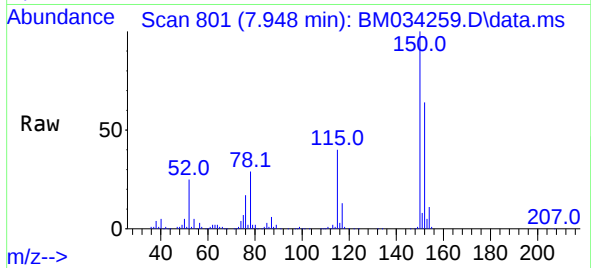
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.948 min Scan# 801
Delta R.T. 0.000 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

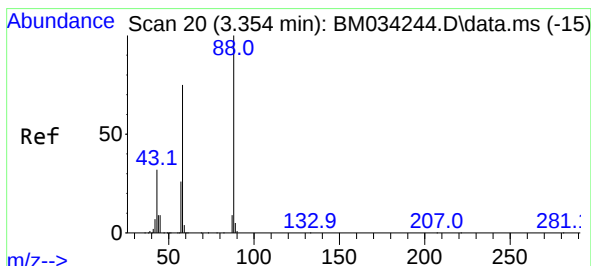
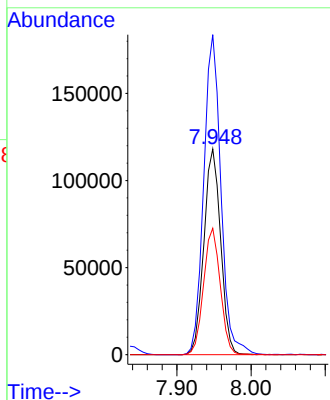
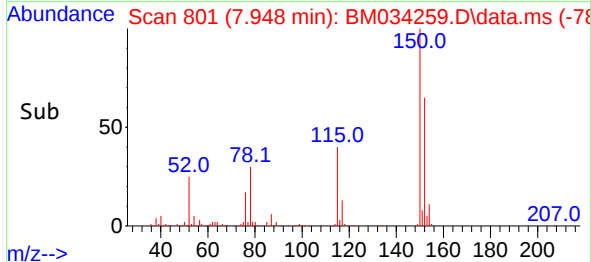
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BNA_M
ClientSampleId :
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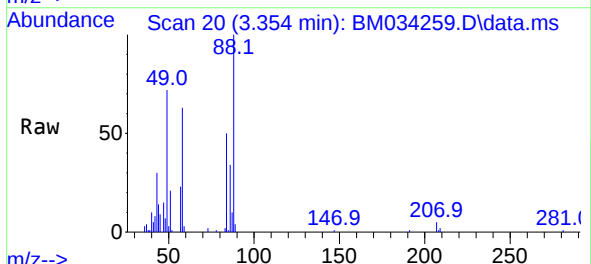
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Ion Ratio Lower Upper
152 100
150 155.5 125.4 188.2
115 61.4 50.1 75.1

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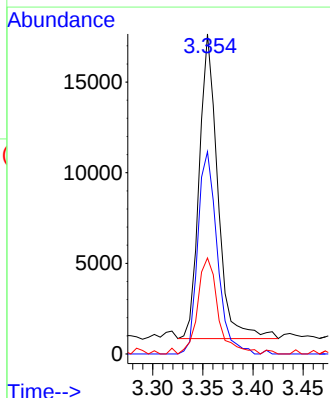
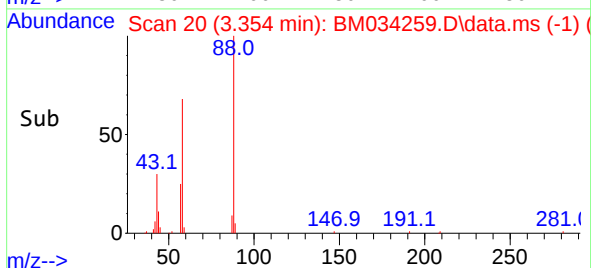
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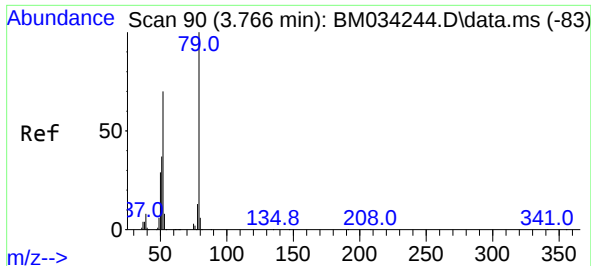


#2
1,4-Dioxane
Concen: 4.643 ng
RT: 3.354 min Scan# 20
Delta R.T. 0.000 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01



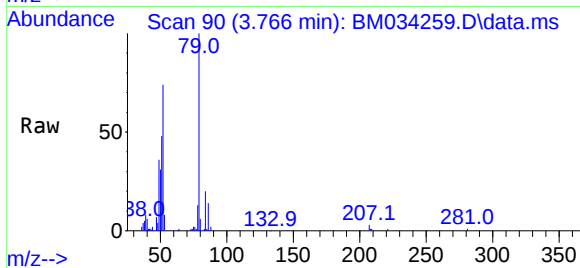
Tgt Ion: 88 Resp: 21698
Ion Ratio Lower Upper
88 100
58 69.4 60.4 90.6
43 35.0 25.4 38.0





#3
 Pyridine
 Concen: 4.746 ng
 RT: 3.766 min Scan# 90
 Delta R.T. 0.000 min
 Lab File: BM034259.D
 Acq: 16 Mar 2022 15:01

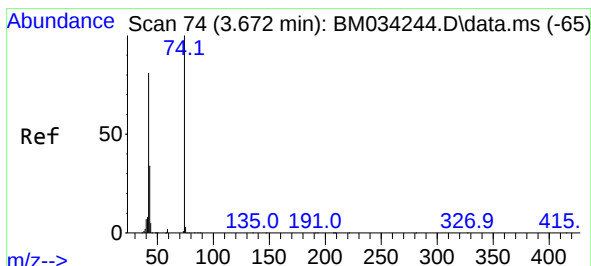
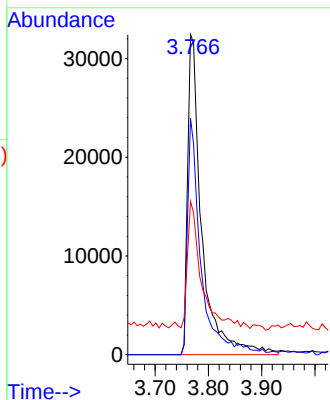
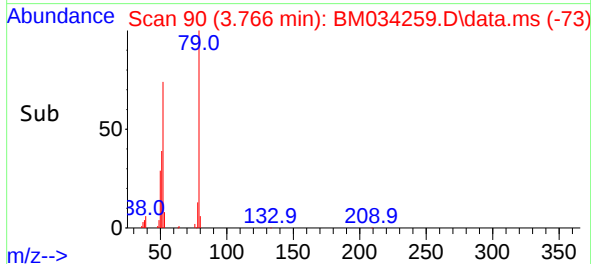
Instrument :
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 ClientSampleId :
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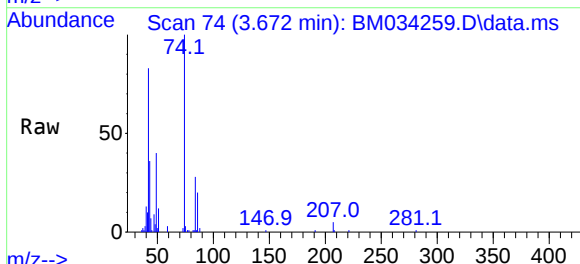
Tgt Ion: 79 Resp: 60014
 Ion Ratio Lower Upper
 79 100
 52 73.9 56.1 84.1
 51 47.9 30.4 45.6

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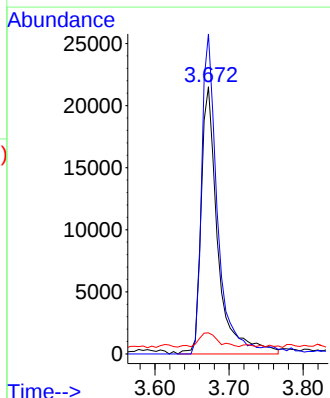
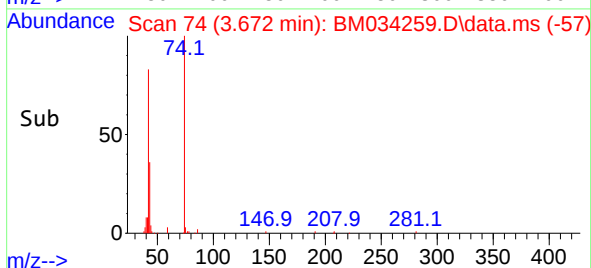
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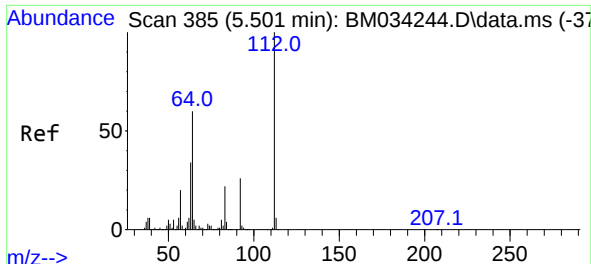


#4
 n-Nitrosodimethylamine
 Concen: 5.617 ng
 RT: 3.672 min Scan# 74
 Delta R.T. 0.000 min
 Lab File: BM034259.D
 Acq: 16 Mar 2022 15:01



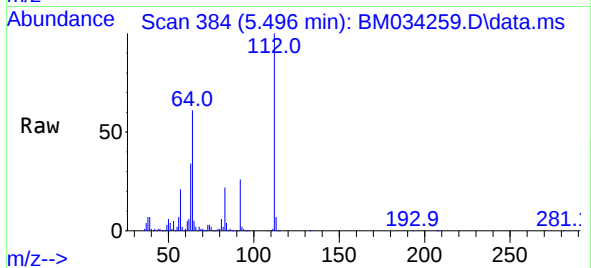
Tgt Ion: 42 Resp: 33728
 Ion Ratio Lower Upper
 42 100
 74 119.8 99.3 148.9
 44 7.9 5.0 7.6





#5
2-Fluorophenol
Concen: 98.413 ng
RT: 5.496 min Scan# 384
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

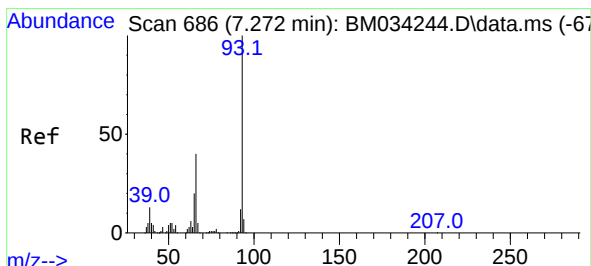
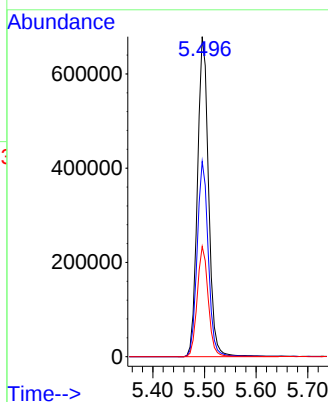
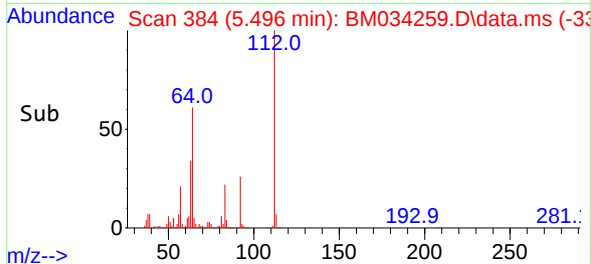
Instrument :
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LOQ-SOIL-02-QT1-2022



Tgt Ion: 112 Resp: 101653
Ion Ratio Lower Upper
112 100
64 61.0 47.9 71.9
63 34.5 27.1 40.7

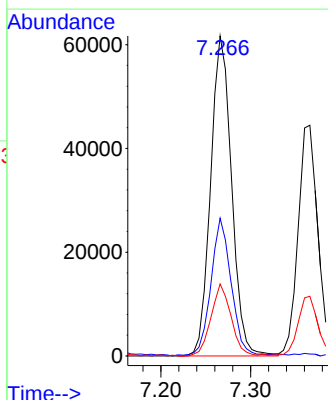
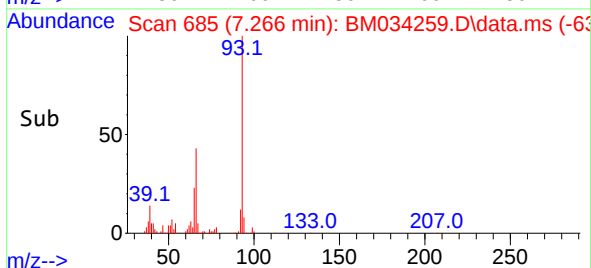
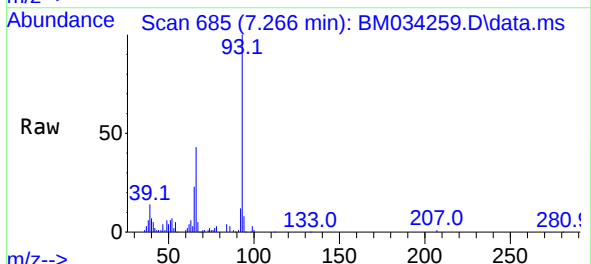
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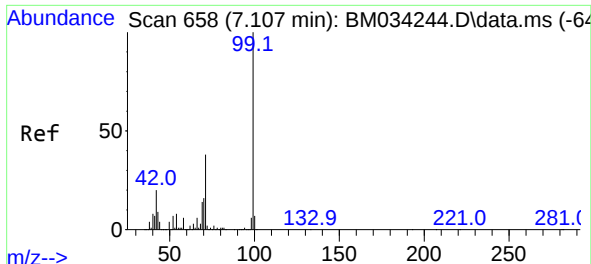
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#6
Aniline
Concen: 5.930 ng
RT: 7.266 min Scan# 685
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

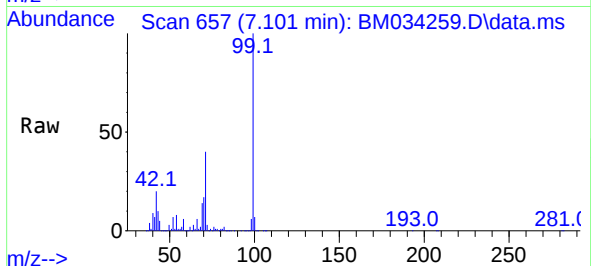
Tgt Ion: 93 Resp: 100218
Ion Ratio Lower Upper
93 100
66 43.1 31.9 47.9
65 22.5 16.2 24.4





#7
Phenol-d6
Concen: 94.950 ng
RT: 7.101 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

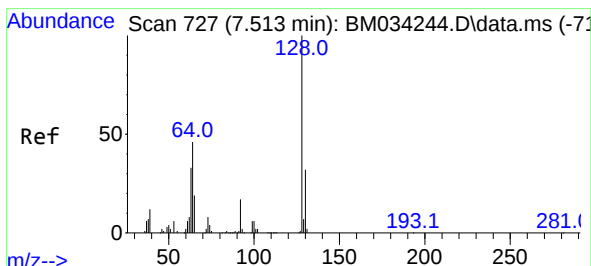
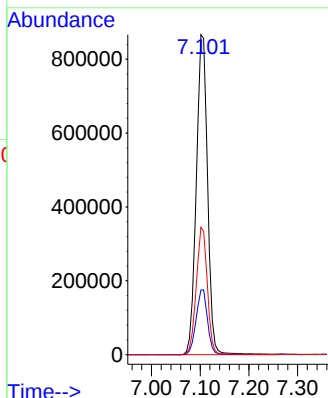
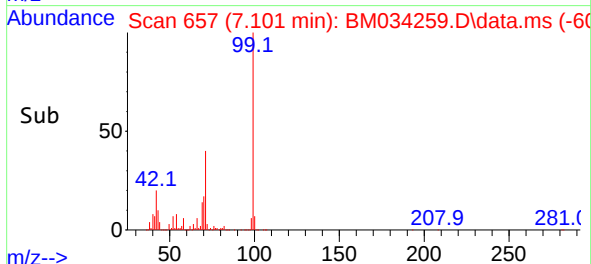
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Tgt Ion: 99 Resp: 1404230
Ion Ratio Lower Upper
99 100
42 20.2 15.6 23.4
71 39.8 30.6 46.0

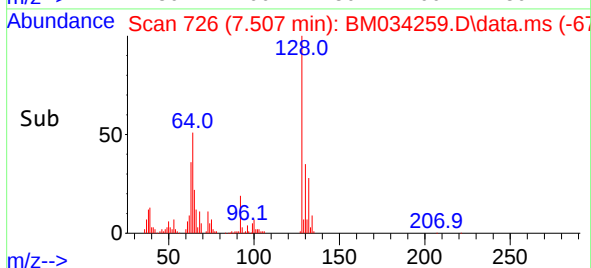
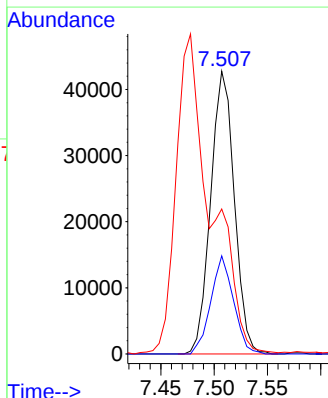
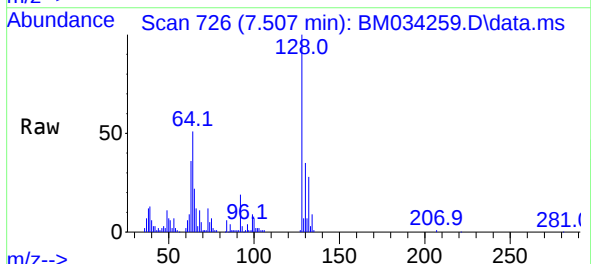
Manual Integrations
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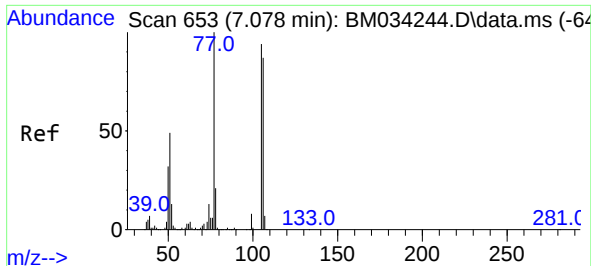
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#8
2-Chlorophenol
Concen: 5.466 ng
RT: 7.507 min Scan# 726
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

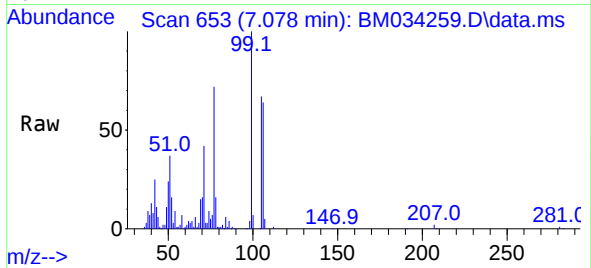
Tgt Ion:128 Resp: 66032
Ion Ratio Lower Upper
128 100
130 34.7 12.3 52.3
64 51.3 28.1 68.1





#9
Benzaldehyde
Concen: 6.402 ng m
RT: 7.078 min Scan# 614
Delta R.T. 0.000 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

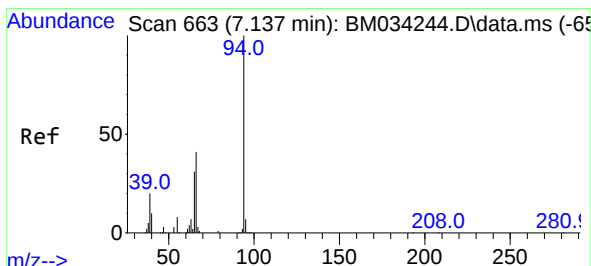
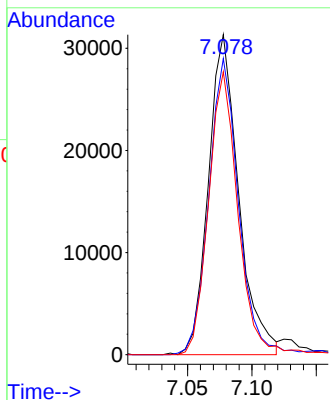
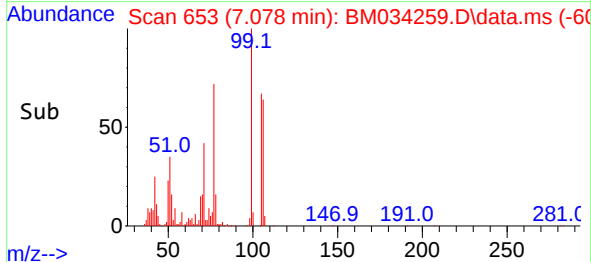
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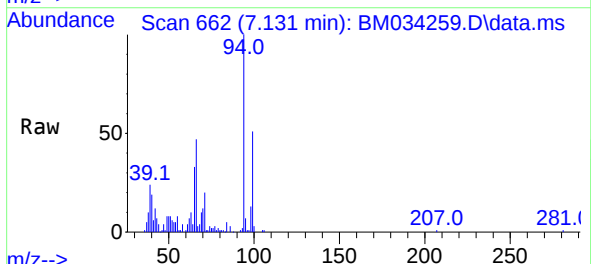
Tgt Ion: 77 Resp: 51014
Ion Ratio Lower Upper
77 100
105 92.6 73.9 113.9
106 88.4 67.2 107.2

Manual Integrations
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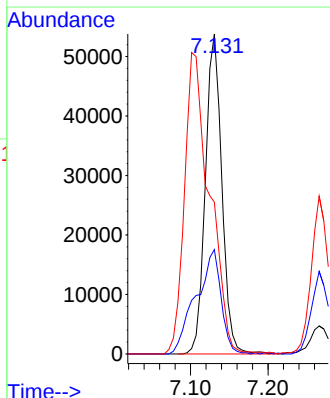
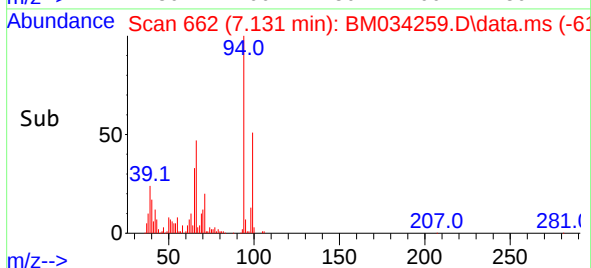
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

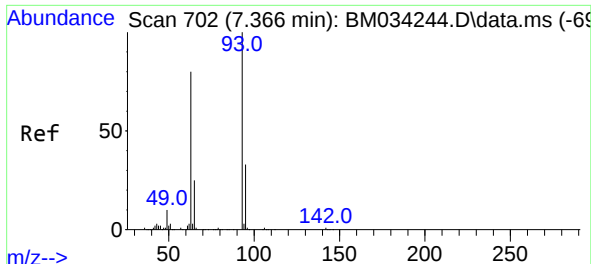


#10
Phenol
Concen: 5.399 ng
RT: 7.131 min Scan# 662
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01



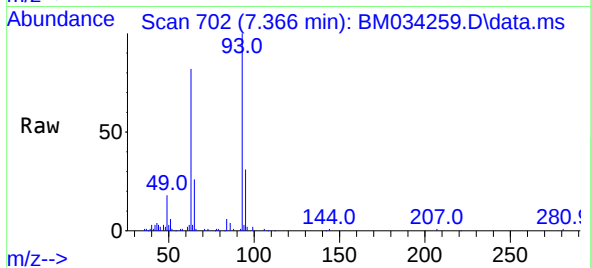
Tgt Ion: 94 Resp: 79412
Ion Ratio Lower Upper
94 100
65 32.6 10.9 50.9
66 47.5 22.0 62.0





#11
bis(2-Chloroethyl)ether
Concen: 5.580 ng
RT: 7.366 min Scan# 702
Delta R.T. 0.000 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

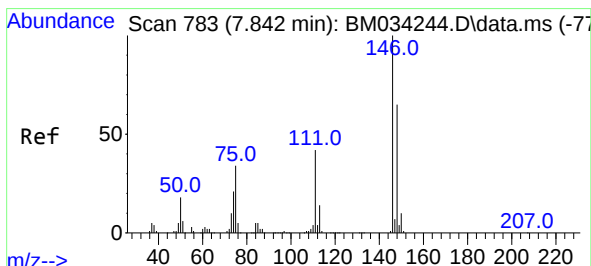
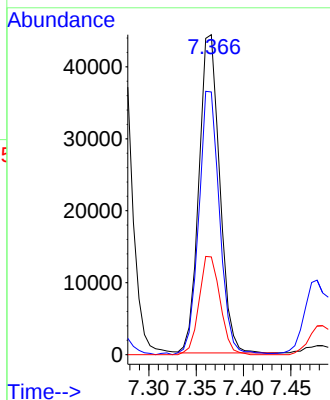
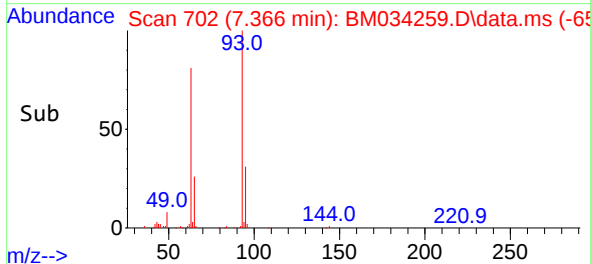
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



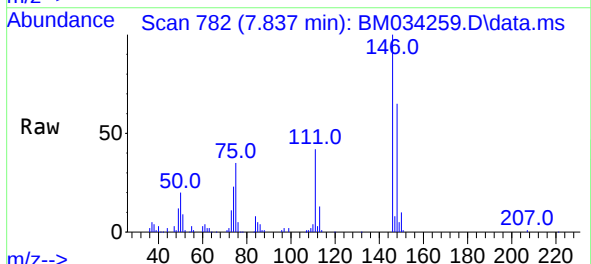
Tgt Ion: 93 Resp: 6736
Ion Ratio Lower Upper
93 100
63 82.1 59.6 99.6
95 30.6 12.6 52.6

Manual Integrations
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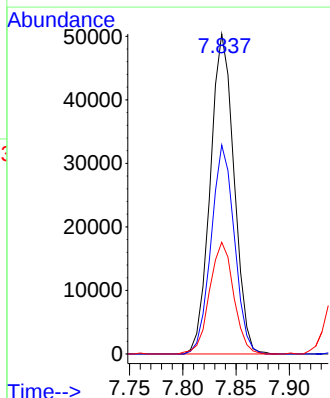
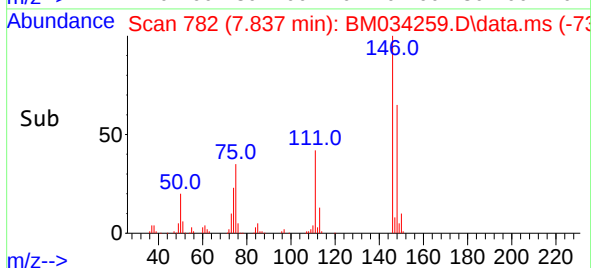
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

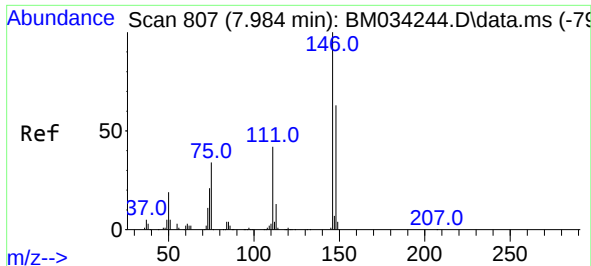


#12
1,3-Dichlorobenzene
Concen: 5.701 ng
RT: 7.837 min Scan# 782
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01



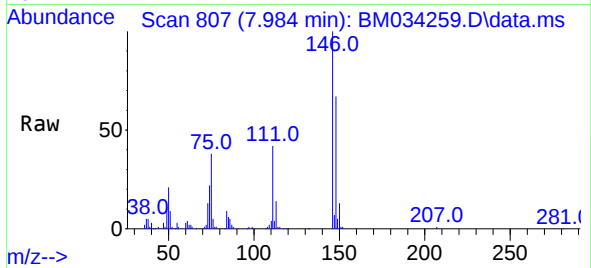
Tgt Ion:146 Resp: 78122
Ion Ratio Lower Upper
146 100
148 65.3 51.8 77.8
75 34.9 27.1 40.7





#13
1,4-Dichlorobenzene
Concen: 5.566 ng
RT: 7.984 min Scan# 807
Delta R.T. 0.000 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

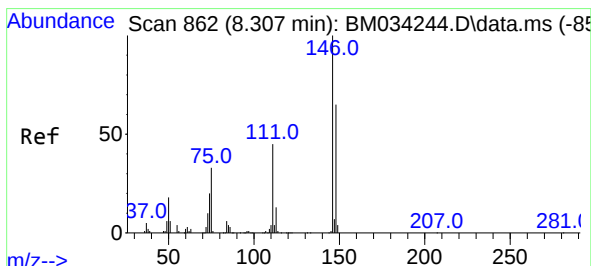
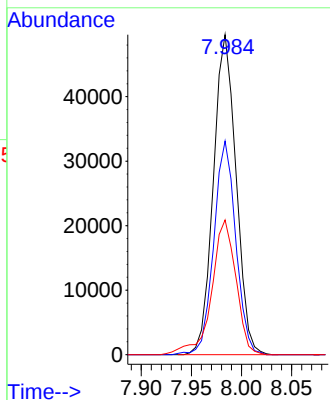
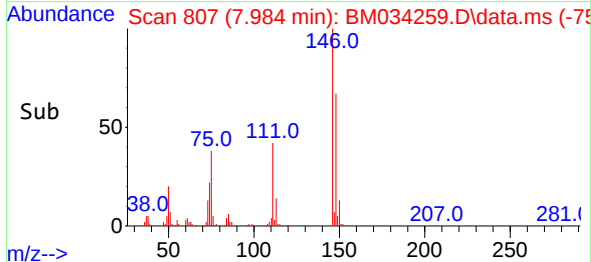
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



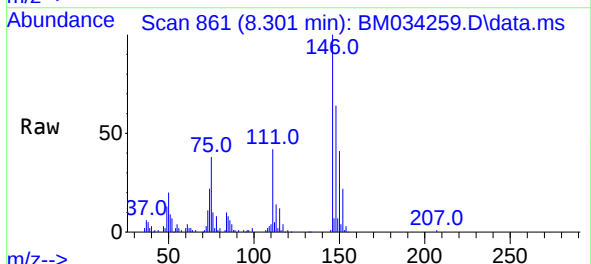
Tgt Ion:146 Resp: 7809
Ion Ratio Lower Upper
146 100
148 66.7 50.6 76.0
111 42.1 34.0 51.0

Manual Integrations
APPROVED

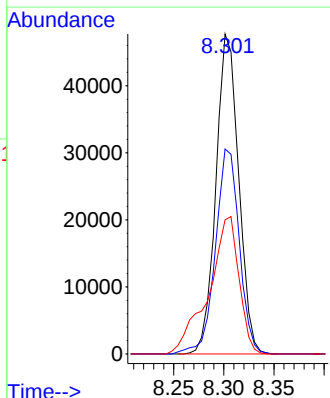
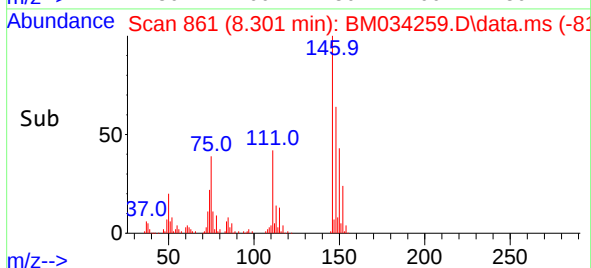
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

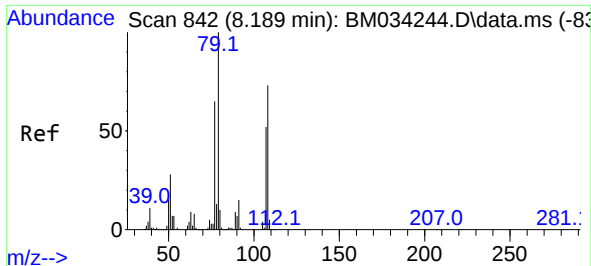


#14
1,2-Dichlorobenzene
Concen: 5.492 ng
RT: 8.301 min Scan# 861
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01



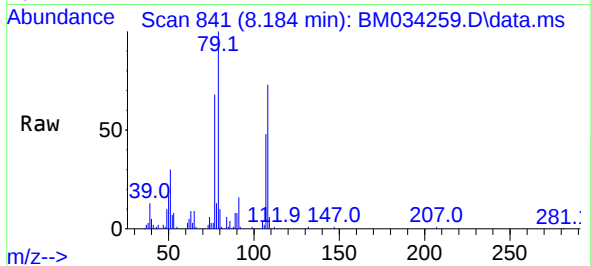
Tgt Ion:146 Resp: 75107
Ion Ratio Lower Upper
146 100
148 64.0 52.2 78.4
111 41.9 35.8 53.8





#15
Benzyl Alcohol
Concen: 5.006 ng
RT: 8.184 min Scan# 841
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

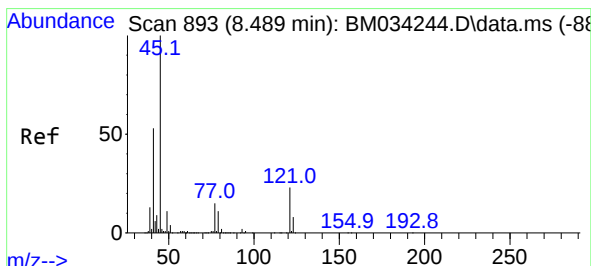
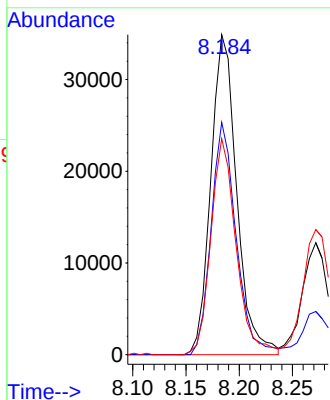
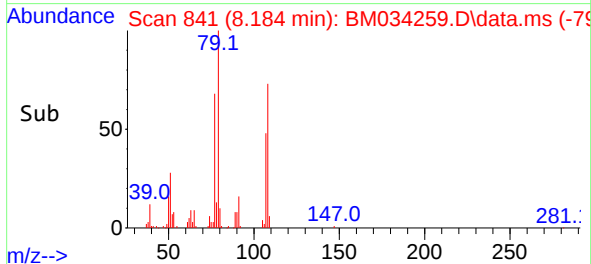
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion: 79 Resp: 58910
Ion Ratio Lower Upper
79 100
108 72.6 58.1 87.1
77 67.5 51.8 77.6

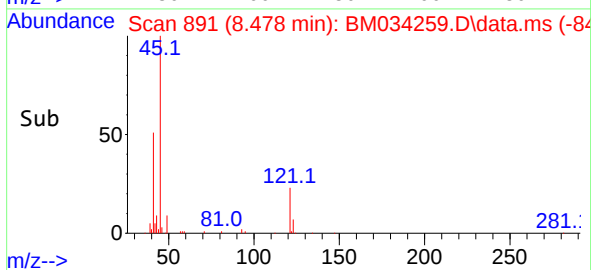
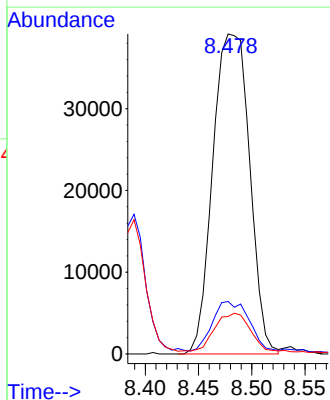
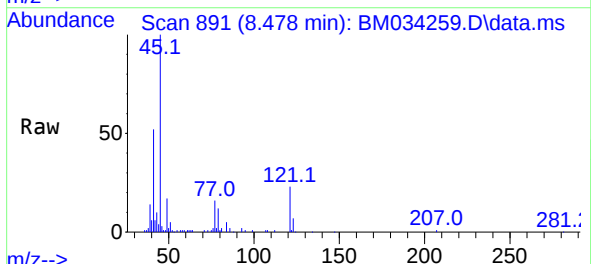
Manual Integrations
APPROVED

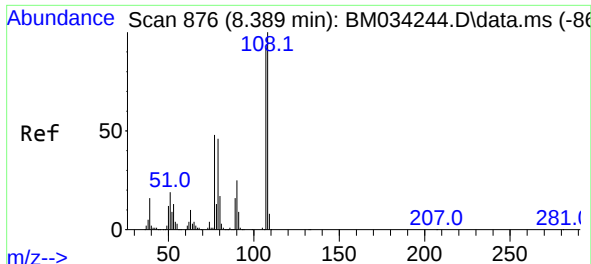
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.675 ng
RT: 8.478 min Scan# 891
Delta R.T. -0.012 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

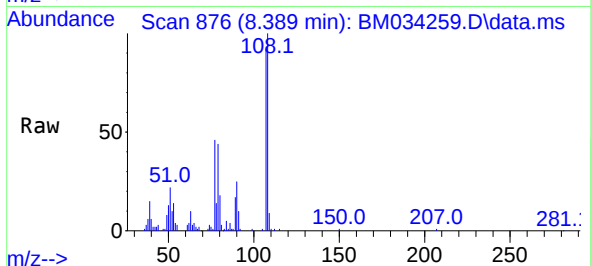
Tgt Ion: 45 Resp: 94030
Ion Ratio Lower Upper
45 100
77 16.4 0.0 35.7
79 11.7 0.0 31.7





#17
2-Methylphenol
Concen: 5.167 ng
RT: 8.389 min Scan# 81
Delta R.T. 0.000 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022

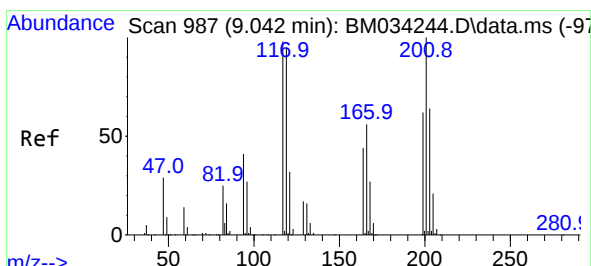
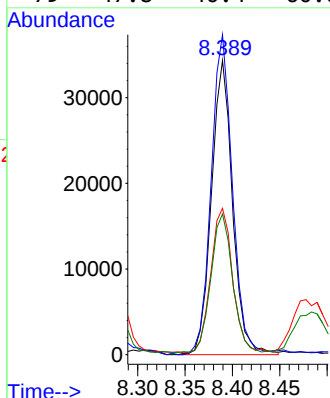
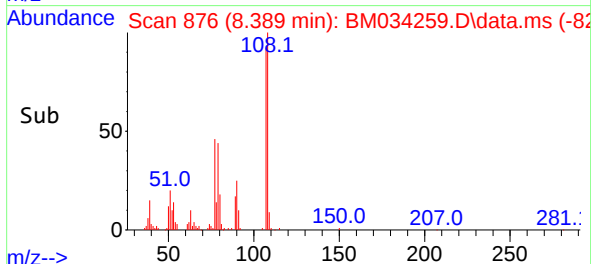


Tgt Ion:107 Resp: 5322

Ion	Ratio	Lower	Upper
107	100		
108	108.7	87.3	130.9
77	49.7	41.6	62.4
79	47.8	40.4	60.6

Manual Integrations
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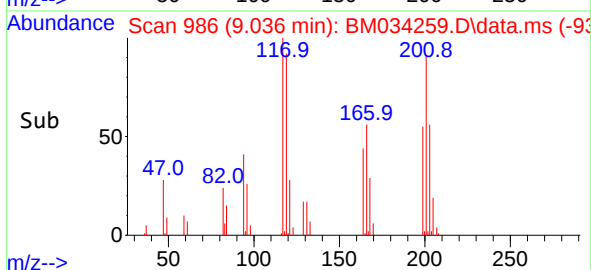
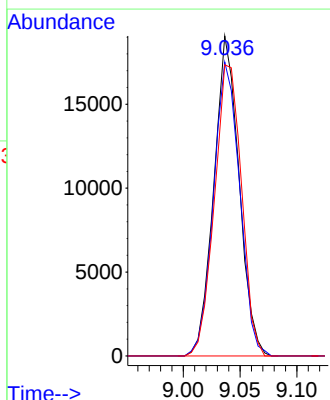
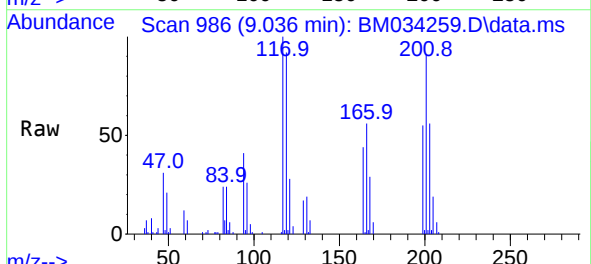
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

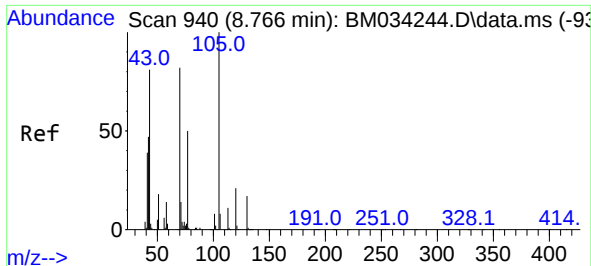


#18
Hexachloroethane
Concen: 5.680 ng
RT: 9.036 min Scan# 986
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

Tgt Ion:117 Resp: 29393

Ion	Ratio	Lower	Upper
117	100		
119	91.9	77.4	116.0
201	91.0	81.6	122.4





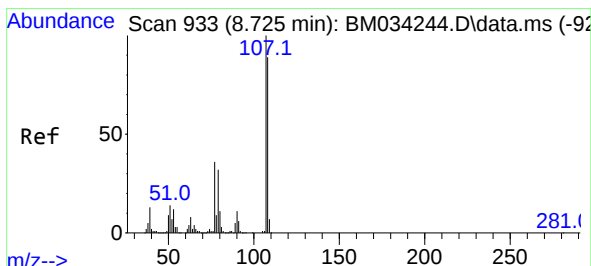
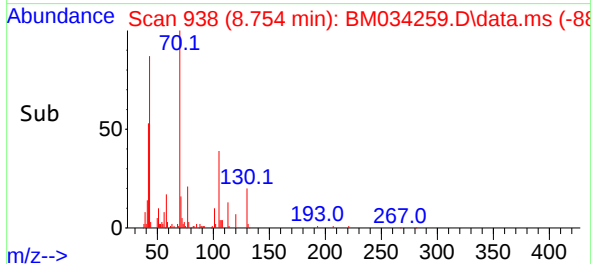
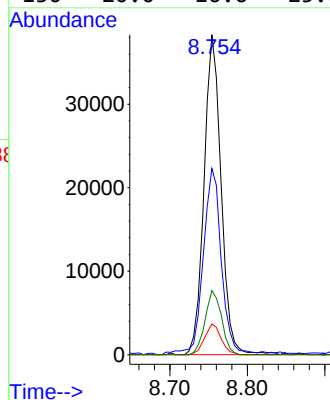
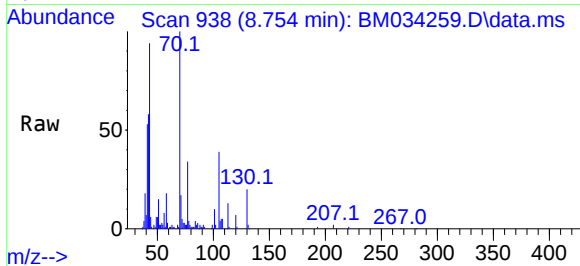
#19
n-Nitroso-di-n-propylamine
Concen: 5.481 ng
RT: 8.754 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022

Tgt Ion: 70 Resp: 5863
Ion Ratio Lower Upper
70 100
42 58.2 46.7 70.1
101 9.6 7.8 11.6
130 20.0 16.6 25.0

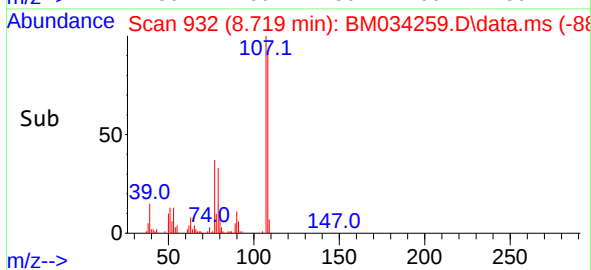
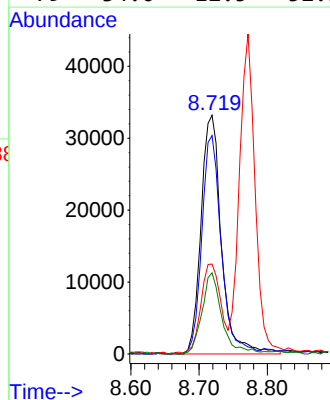
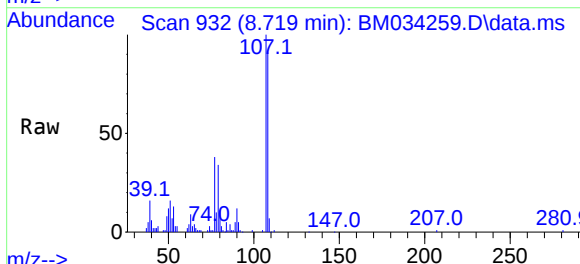
Manual Integrations
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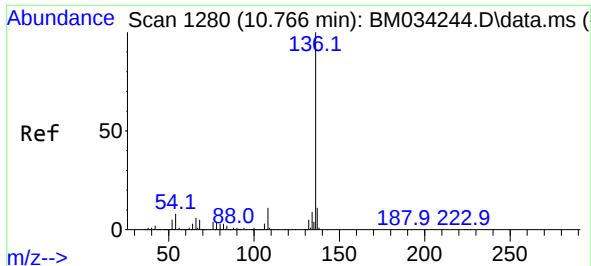
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#20
3+4-Methylphenols
Concen: 4.834 ng
RT: 8.719 min Scan# 932
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

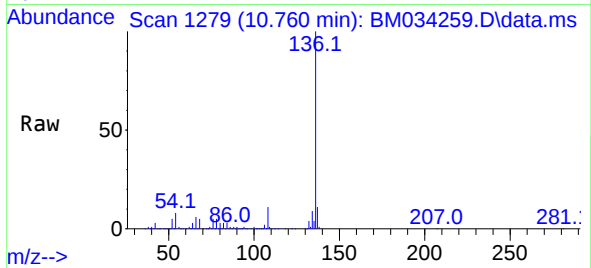
Tgt Ion:107 Resp: 68865
Ion Ratio Lower Upper
107 100
108 91.5 69.2 109.2
77 37.7 16.5 56.5
79 34.0 12.5 52.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.760 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

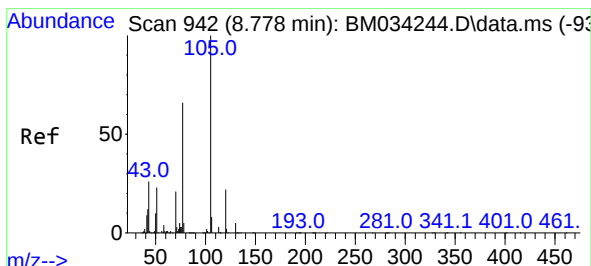
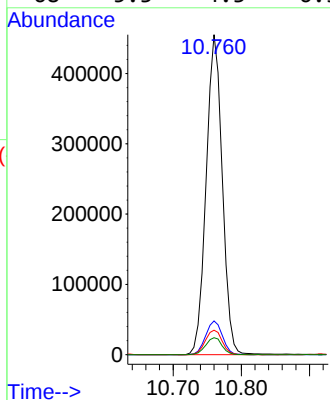
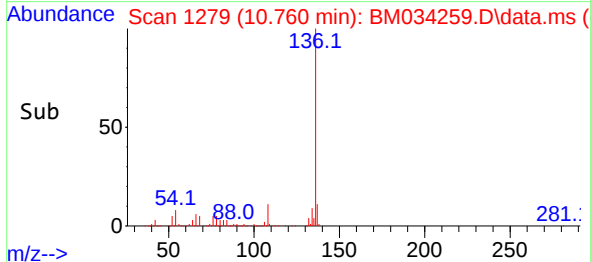
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:136 Resp: 750480
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 7.7 6.2 9.4
68 5.3 4.3 6.5

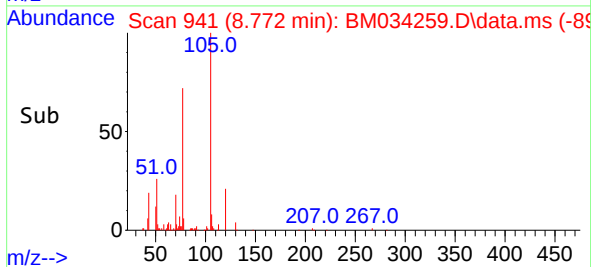
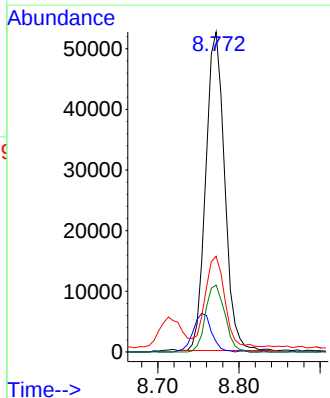
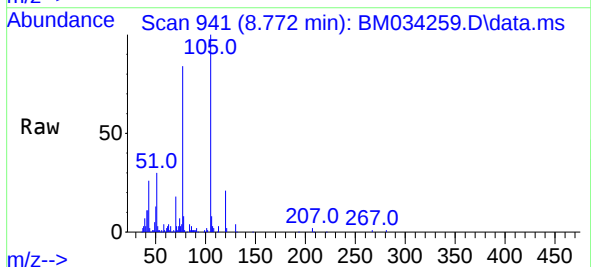
Manual Integrations
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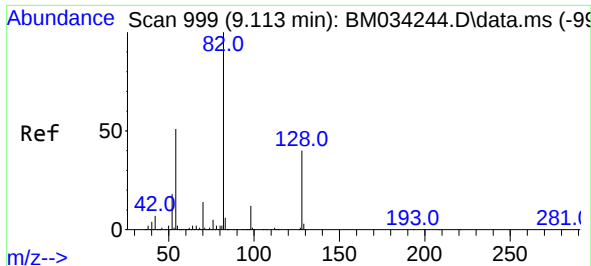
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#22
Acetophenone
Concen: 4.390 ng
RT: 8.772 min Scan# 941
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

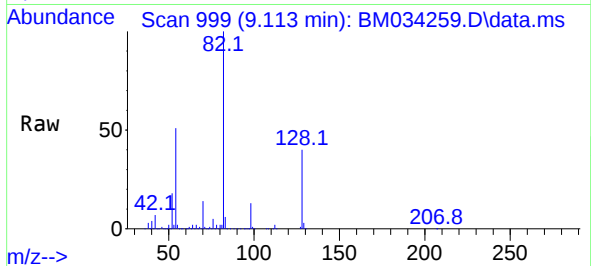
Tgt Ion:105 Resp: 84552
Ion Ratio Lower Upper
105 100
71 3.2 3.0 4.4
51 29.9 22.6 33.8
120 20.9 17.5 26.3





#23
Nitrobenzene-d5
Concen: 68.960 ng
RT: 9.113 min Scan# 999
Delta R.T. 0.000 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

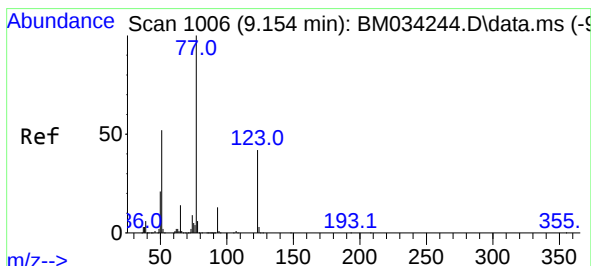
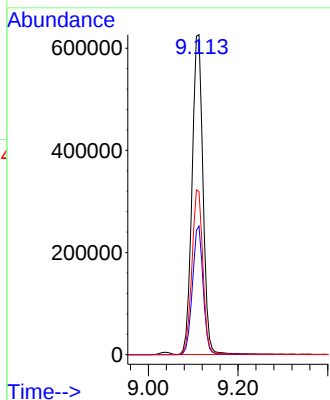
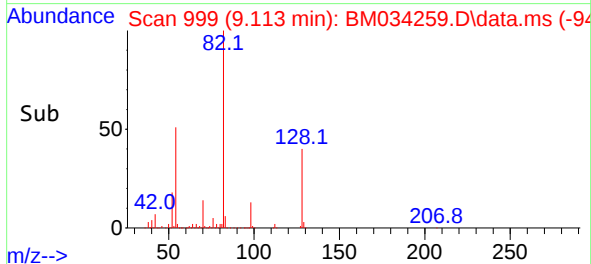
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



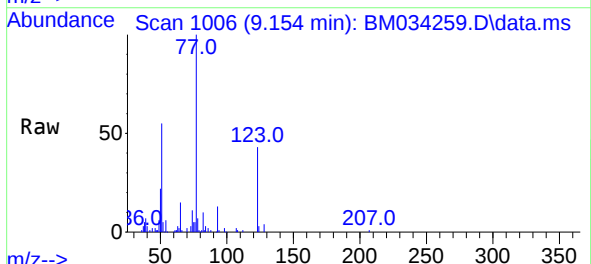
Tgt Ion: 82 Resp: 106298
Ion Ratio Lower Upper
82 100
128 40.2 31.9 47.9
54 50.9 40.6 61.0

Manual Integrations
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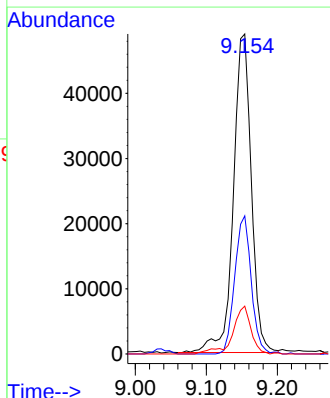
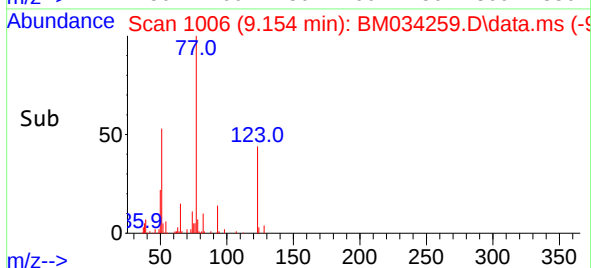
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

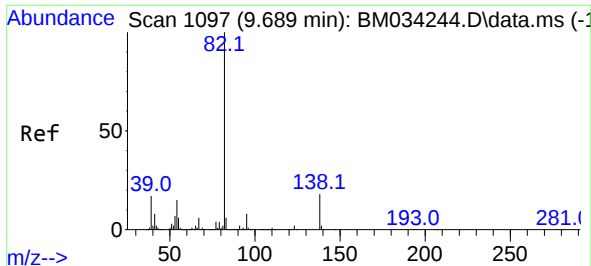


#24
Nitrobenzene
Concen: 5.986 ng
RT: 9.154 min Scan# 1006
Delta R.T. 0.000 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01



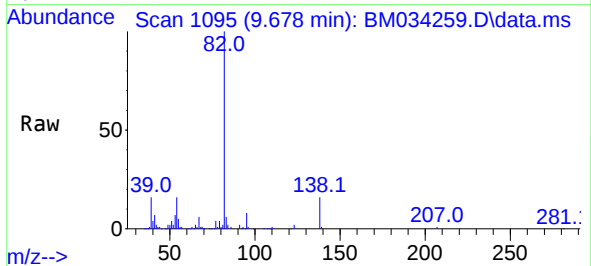
Tgt Ion: 77 Resp: 86148
Ion Ratio Lower Upper
77 100
123 43.2 33.3 49.9
65 14.9 11.0 16.4





#25
Isophorone
Concen: 5.960 ng
RT: 9.678 min Scan# 1095
Delta R.T. -0.012 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

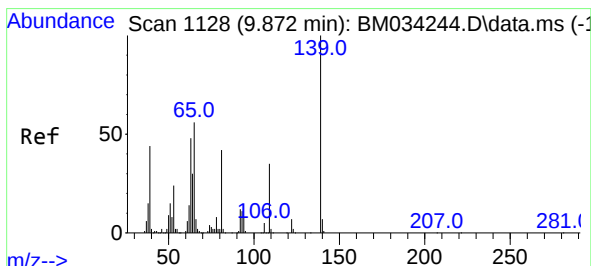
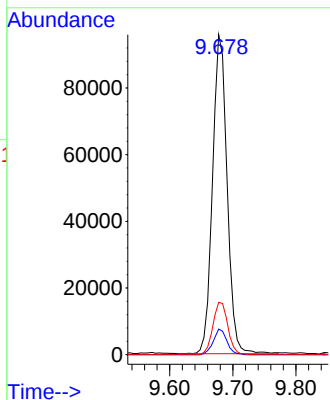
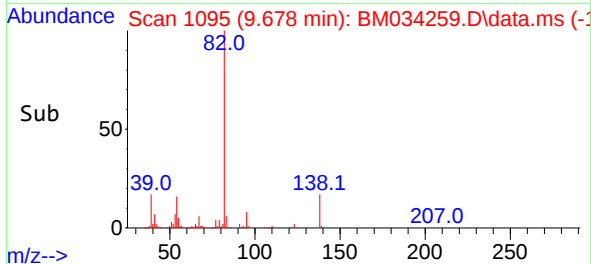
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



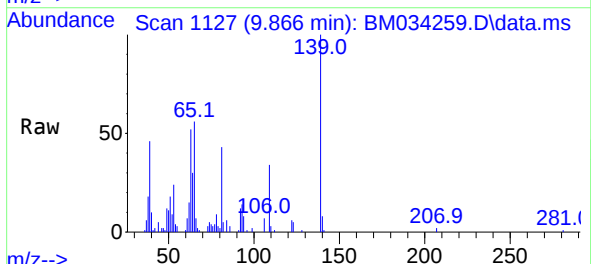
Tgt Ion: 82 Resp: 153725
Ion Ratio Lower Upper
82 100
95 8.0 6.6 9.8
138 16.4 14.4 21.6

Manual Integrations
APPROVED

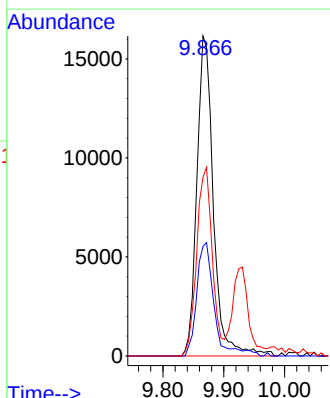
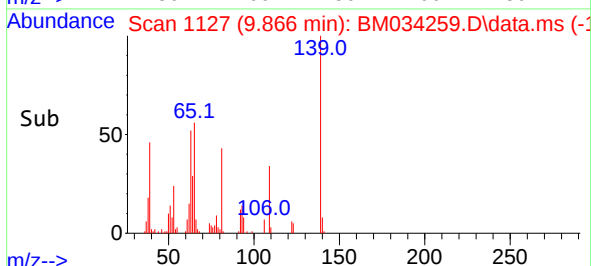
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

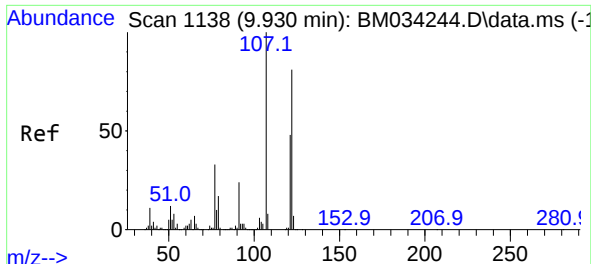


#26
2-Nitrophenol
Concen: 4.764 ng
RT: 9.866 min Scan# 1127
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01



Tgt Ion:139 Resp: 30407
Ion Ratio Lower Upper
139 100
109 34.3 28.1 42.1
65 55.9 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 6.011 ng

RT: 9.931 min Scan# 1138

Delta R.T. 0.000 min

Lab File: BM034259.D

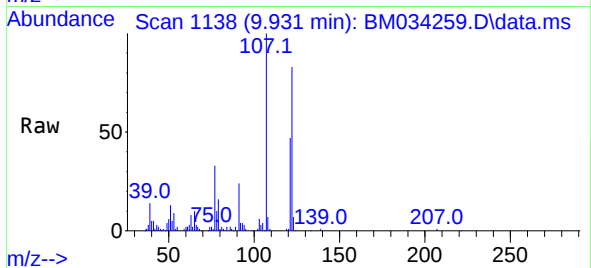
Acq: 16 Mar 2022 15:01

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2022



Tgt Ion:122 Resp: 6007

Ion Ratio Lower Upper

122 100

107 120.3 99.0 148.6

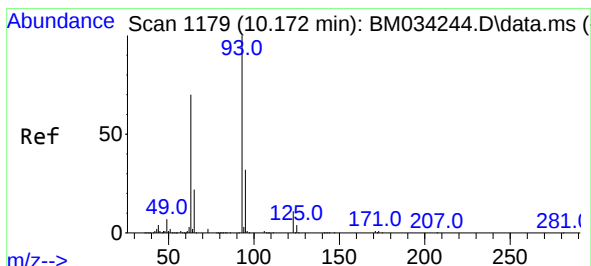
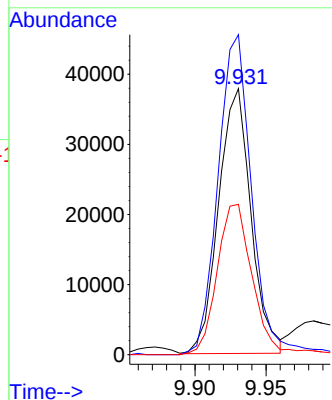
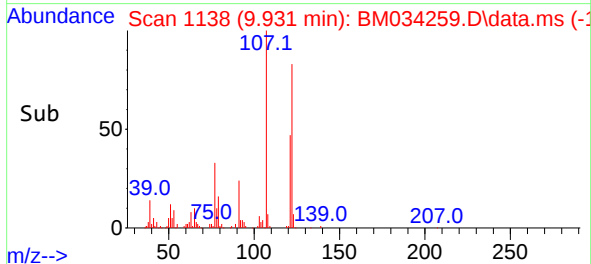
121 56.5 47.7 71.5

Manual Integrations

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Reviewed By :Christian Giraldo 03/17/2022

Supervised By :Jagrut Upadhyay 03/17/2022



#28

bis(2-Chloroethoxy)methane

Concen: 5.433 ng

RT: 10.166 min Scan# 1178

Delta R.T. -0.006 min

Lab File: BM034259.D

Acq: 16 Mar 2022 15:01

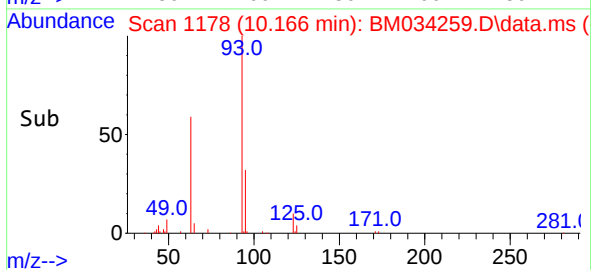
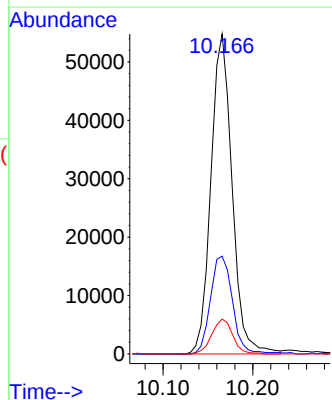
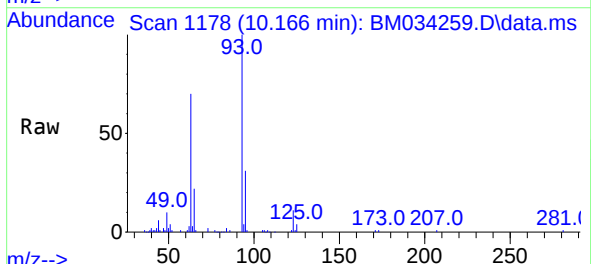
Tgt Ion: 93 Resp: 89716

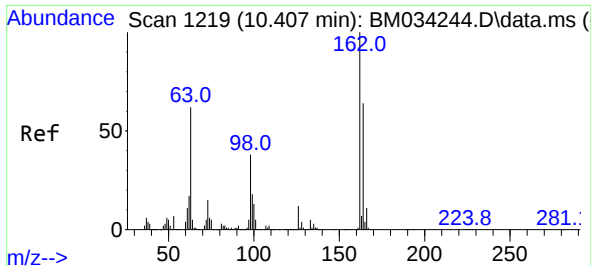
Ion Ratio Lower Upper

93 100

95 30.6 26.0 39.0

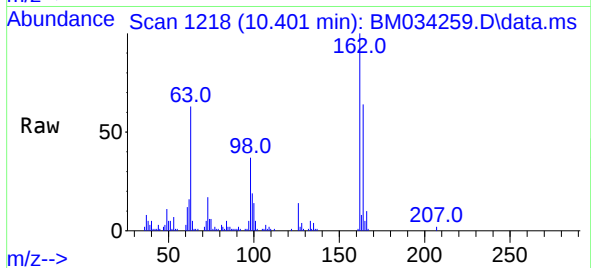
123 10.9 9.0 13.4





#29
2,4-Dichlorophenol
Concen: 4.978 ng
RT: 10.401 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

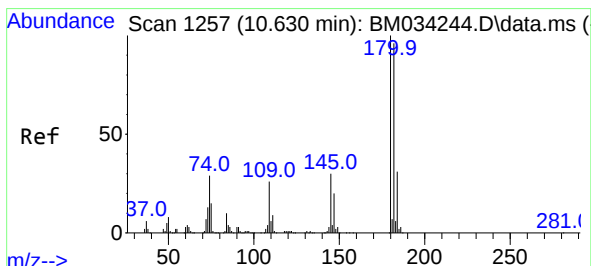
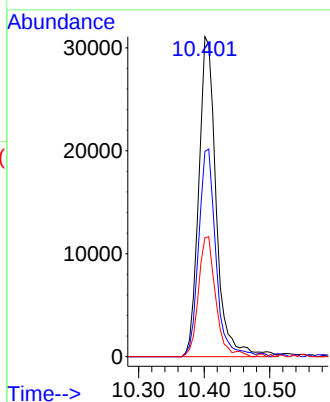
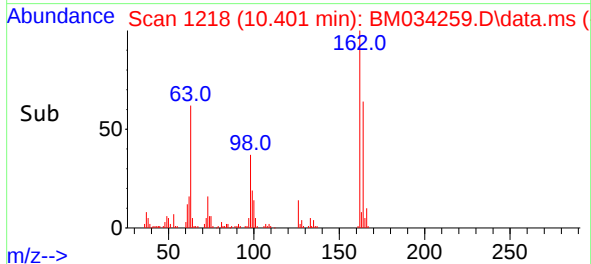
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



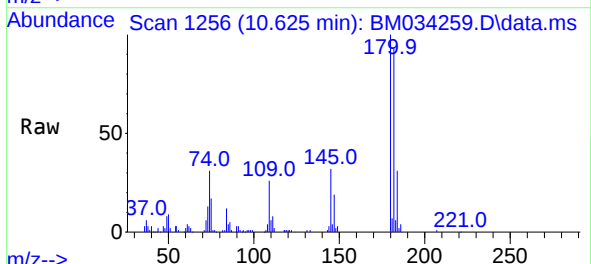
Tgt Ion:162 Resp: 5780
Ion Ratio Lower Upper
162 100
164 64.2 43.9 83.9
98 37.2 17.6 57.6

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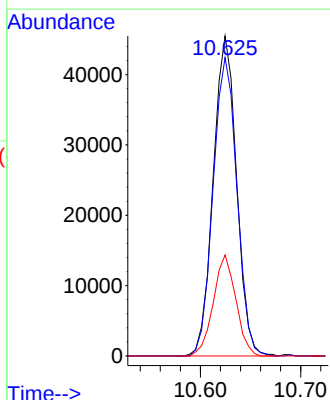
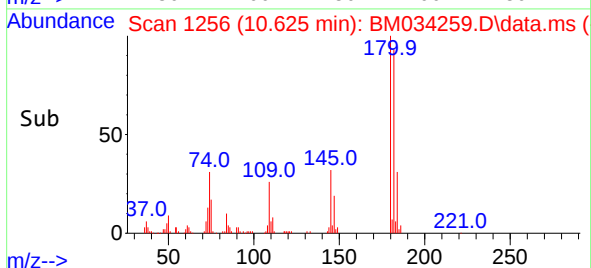
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

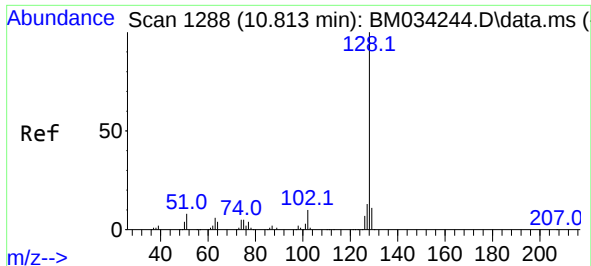


#30
1,2,4-Trichlorobenzene
Concen: 5.564 ng
RT: 10.625 min Scan# 1256
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01



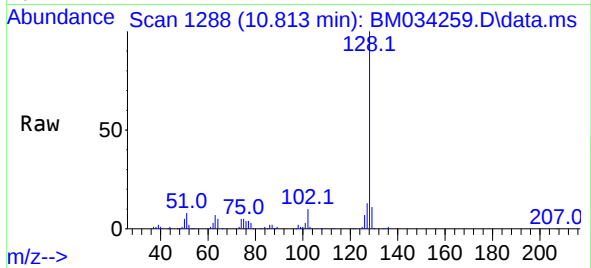
Tgt Ion:180 Resp: 73432
Ion Ratio Lower Upper
180 100
182 93.3 77.0 115.4
145 31.6 23.7 35.5





#31
Naphthalene
Concen: 5.655 ng
RT: 10.813 min Scan# 1147
Delta R.T. 0.000 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

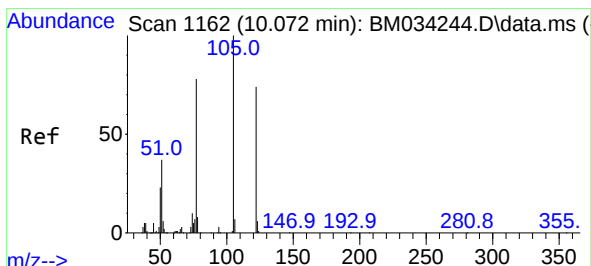
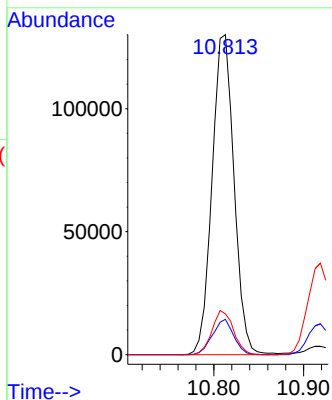
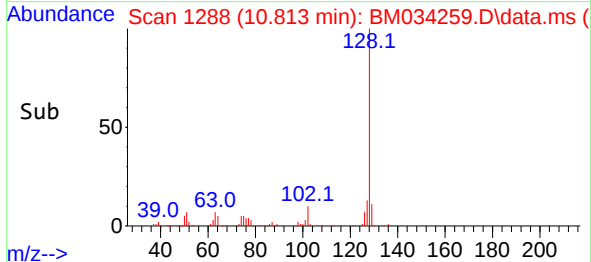
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:128 Resp: 221114
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 12.8 10.2 15.4

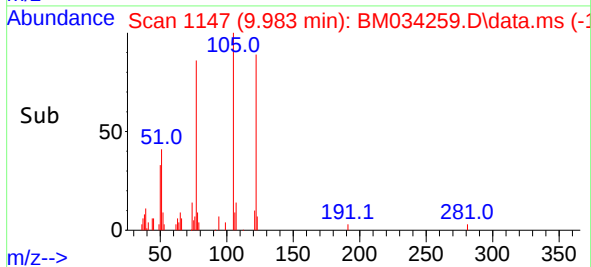
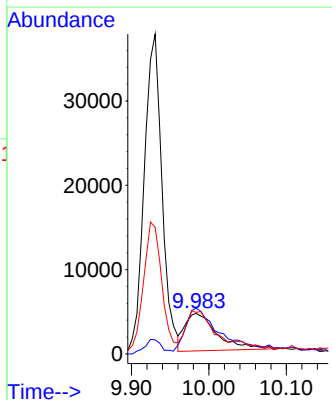
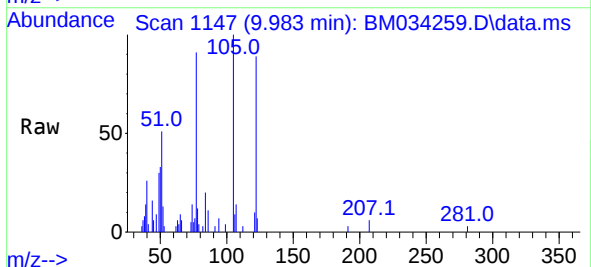
Manual Integrations
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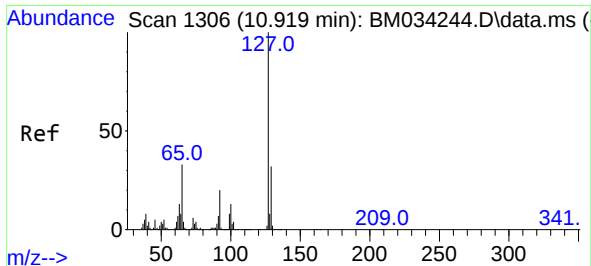
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#32
Benzoic acid
Concen: 1.540 ng
RT: 9.983 min Scan# 1147
Delta R.T. -0.089 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

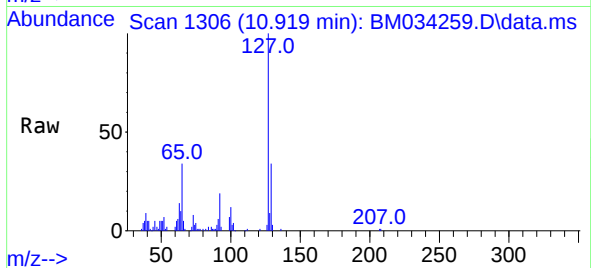
Tgt Ion:122 Resp: 12730
Ion Ratio Lower Upper
122 100
105 112.3 109.6 149.6
77 102.3 83.1 123.1





#33
4-Chloroaniline
Concen: 5.121 ng
RT: 10.919 min Scan# 1306
Delta R.T. 0.000 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

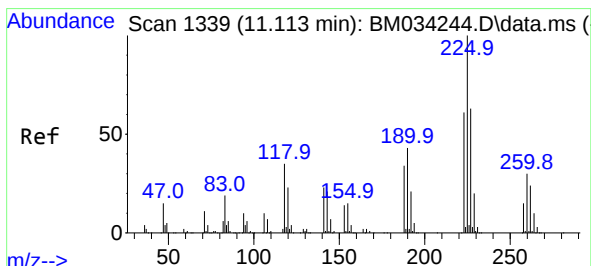
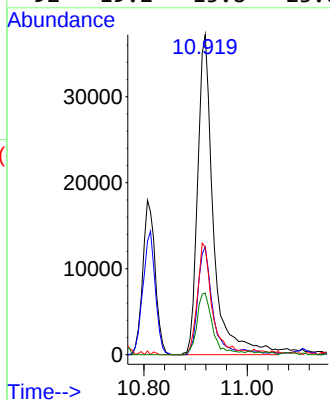
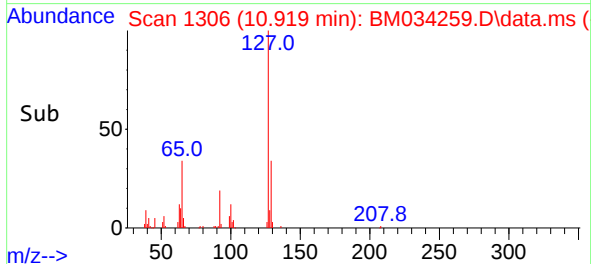
Instrument :
BNA_M
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
127	100		
129	33.7	25.4	38.2
65	33.6	26.2	39.2
92	19.2	15.8	23.6

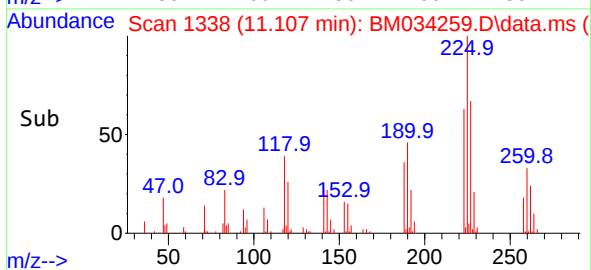
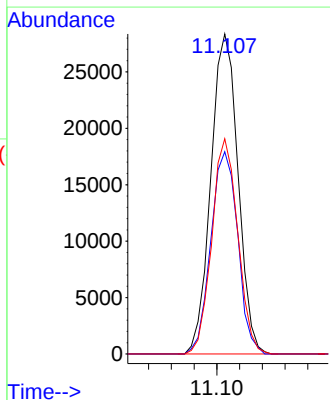
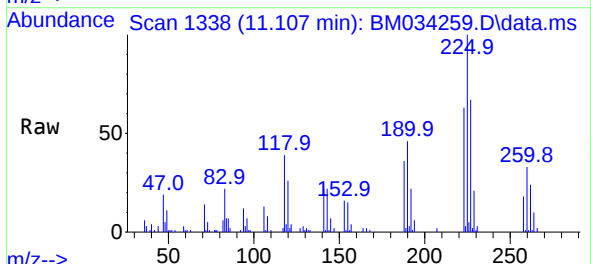
Manual Integrations
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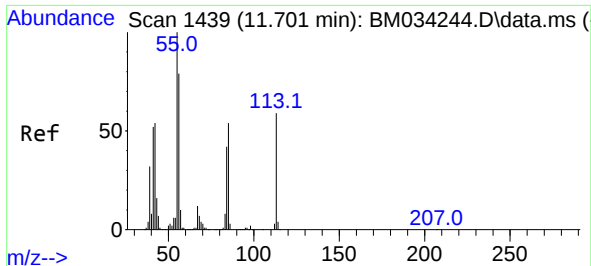
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#34
Hexachlorobutadiene
Concen: 5.630 ng
RT: 11.107 min Scan# 1338
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

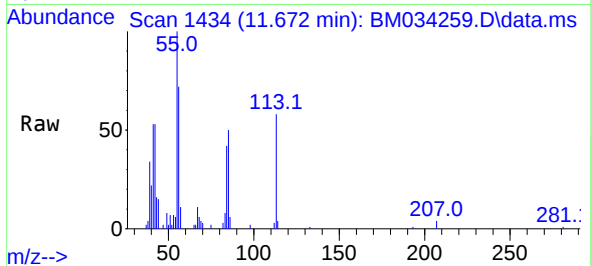
Tgt Ion	Ratio	Lower	Upper
225	100		
223	63.2	49.0	73.4
227	67.2	50.2	75.2





#35
Caprolactam
Concen: 3.565 ng
RT: 11.672 min Scan# 1438
Delta R.T. -0.029 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

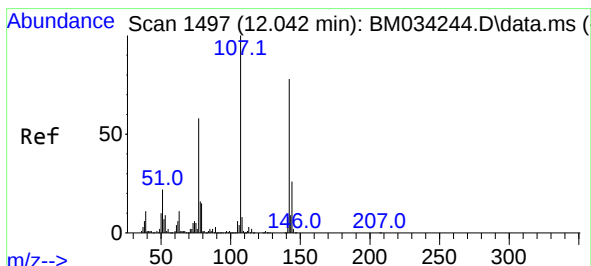
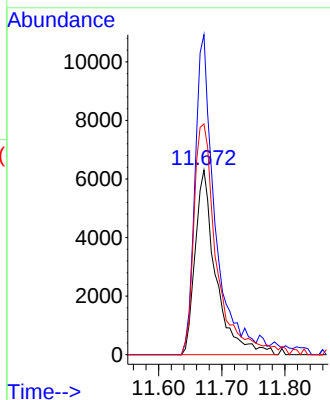
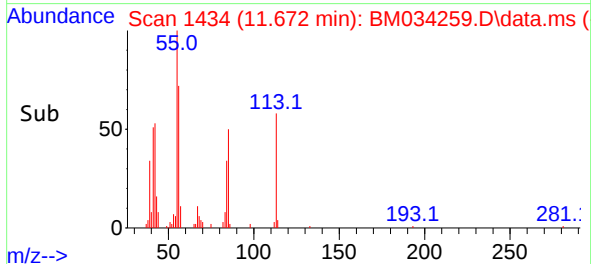
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



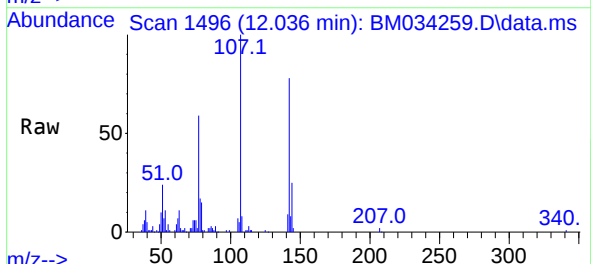
Tgt Ion:113 Resp: 1438
Ion Ratio Lower Upper
113 100
55 173.3 148.9 188.9
56 125.0 113.3 153.3

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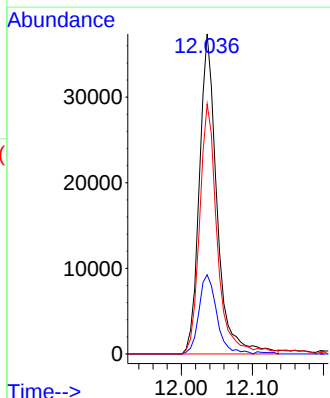
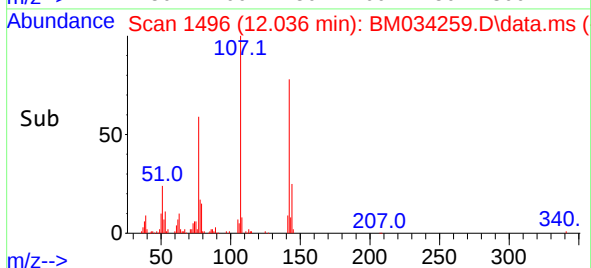
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

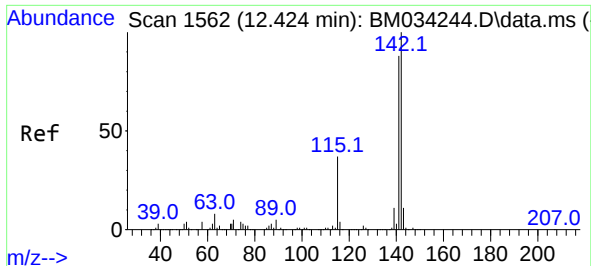


#36
4-Chloro-3-methylphenol
Concen: 4.850 ng
RT: 12.036 min Scan# 1496
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01



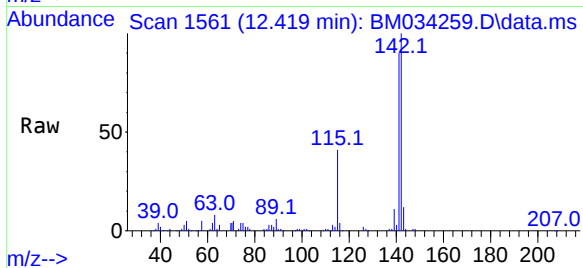
Tgt Ion:107 Resp: 64530
Ion Ratio Lower Upper
107 100
144 24.8 20.8 31.2
142 78.1 62.7 94.1





#37
2-Methylnaphthalene
Concen: 5.582 ng
RT: 12.419 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

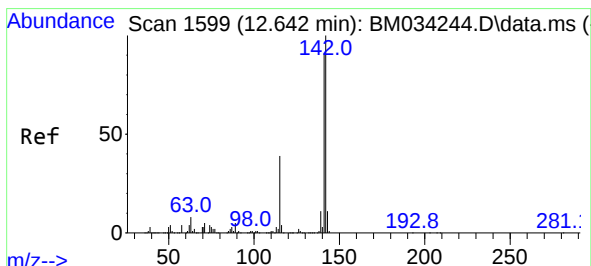
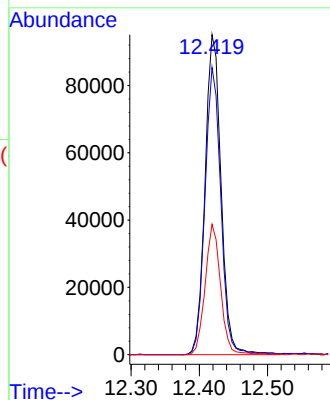
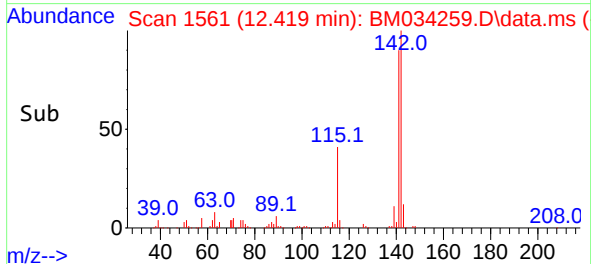
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



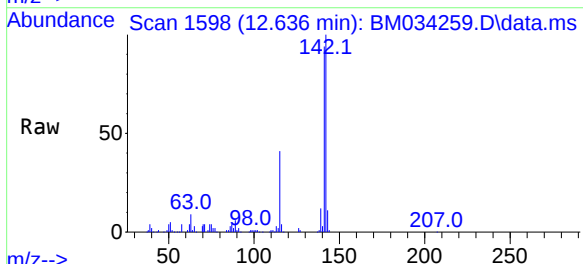
Tgt Ion:142 Resp: 15572
Ion Ratio Lower Upper
142 100
141 89.7 70.1 105.1
115 40.8 29.9 44.9

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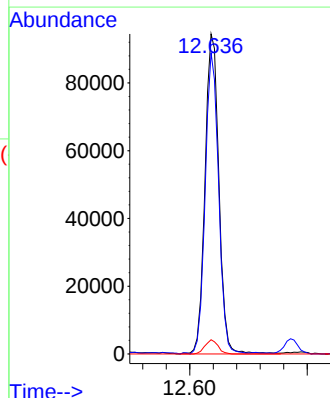
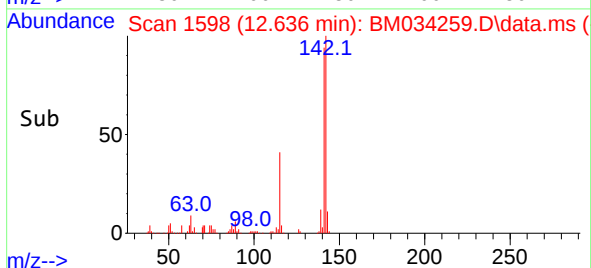
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

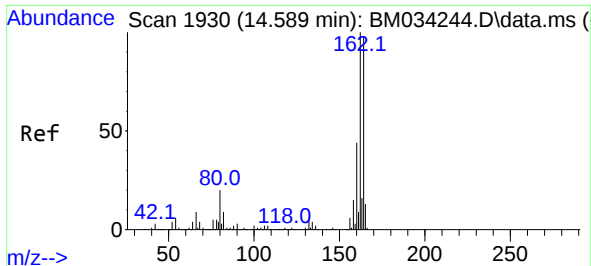


#38
1-Methylnaphthalene
Concen: 5.697 ng
RT: 12.636 min Scan# 1598
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01



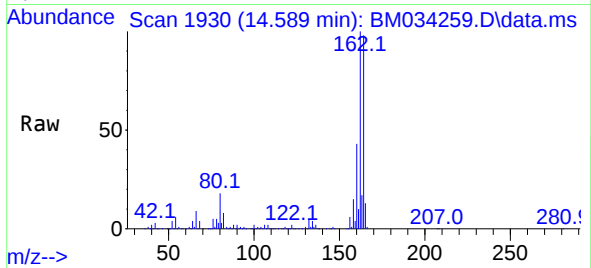
Tgt Ion:142 Resp: 155491
Ion Ratio Lower Upper
142 100
141 94.1 73.0 109.6
116 4.5 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.589 min Scan# 1930
Delta R.T. 0.000 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

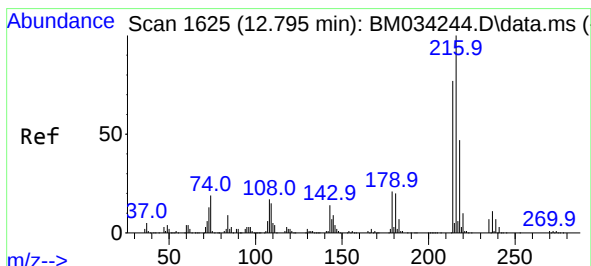
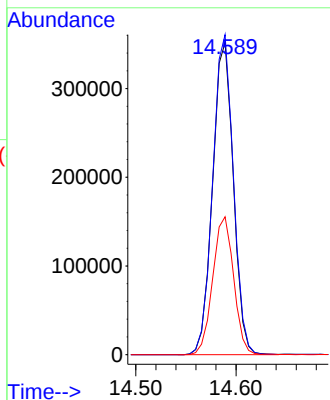
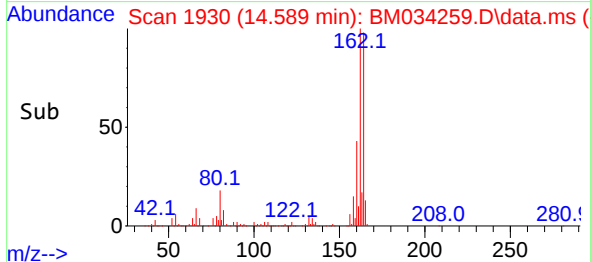
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



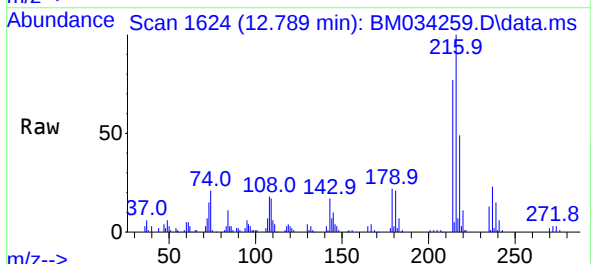
Tgt Ion:164 Resp: 50514
Ion Ratio Lower Upper
164 100
162 102.5 81.6 122.4
160 44.2 35.6 53.4

Manual Integrations
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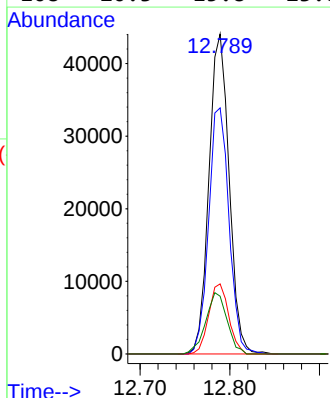
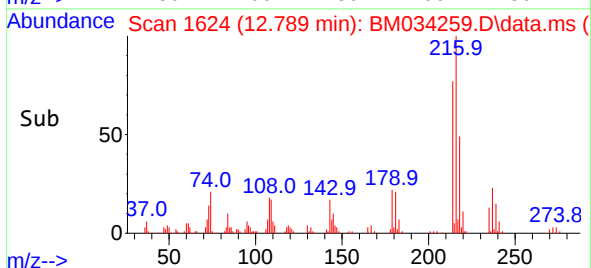
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

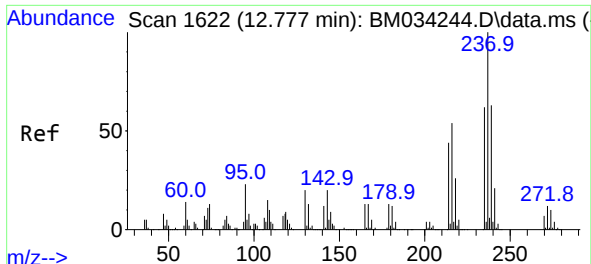


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.506 ng
RT: 12.789 min Scan# 1624
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01



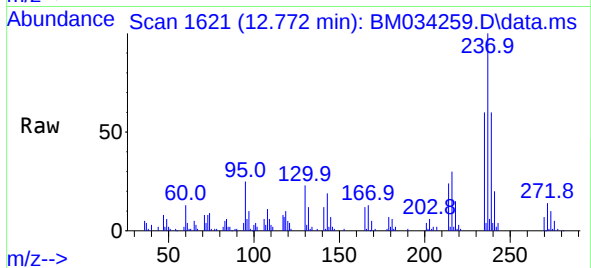
Tgt Ion:216 Resp: 68688
Ion Ratio Lower Upper
216 100
214 77.9 62.7 94.1
179 21.7 17.2 25.8
108 20.3 15.8 23.8





#41
Hexachlorocyclopentadiene
Concen: 6.065 ng
RT: 12.772 min Scan# 1622
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

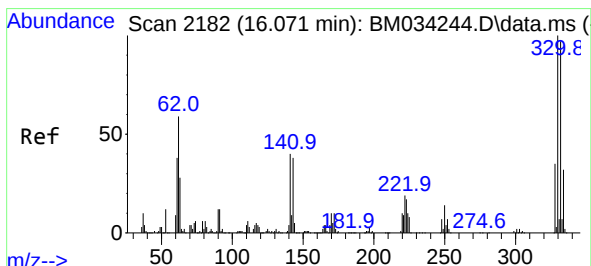
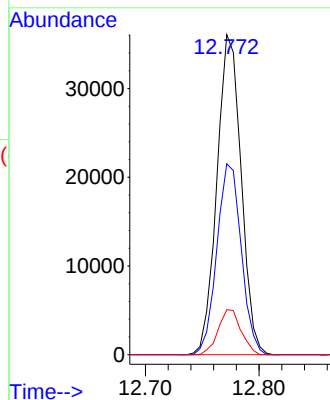
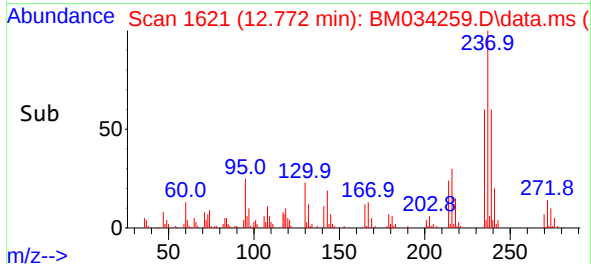
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



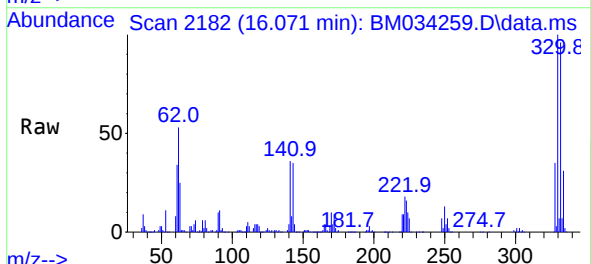
Tgt Ion:237 Resp: 53530
Ion Ratio Lower Upper
237 100
235 59.7 42.1 82.1
272 14.1 0.0 32.3

Manual Integrations
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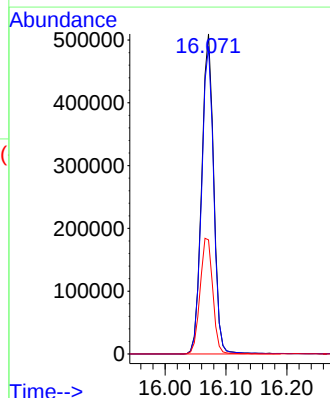
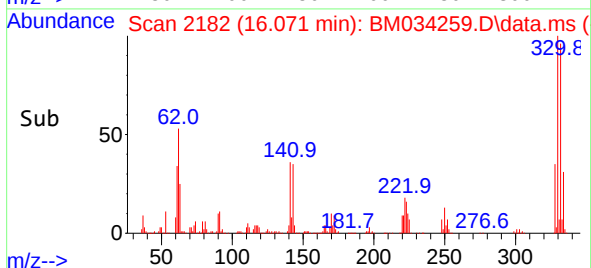
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

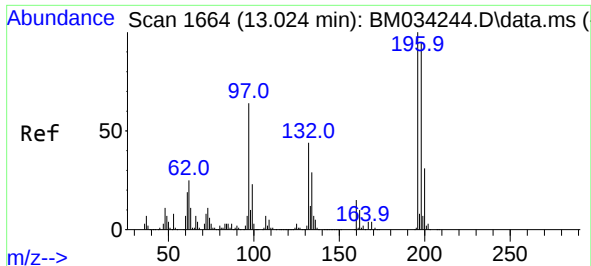


#42
2,4,6-Tribromophenol
Concen: 103.085 ng
RT: 16.071 min Scan# 2182
Delta R.T. 0.000 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01



Tgt Ion:330 Resp: 701869
Ion Ratio Lower Upper
330 100
332 96.5 78.2 117.4
141 38.1 30.6 45.8





#43

2,4,6-Trichlorophenol

Concen: 4.685 ng

RT: 13.024 min Scan# 1

Delta R.T. 0.000 min

Lab File: BM034259.D

Acq: 16 Mar 2022 15:01

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT1-2022

Tgt Ion:196 Resp: 4931

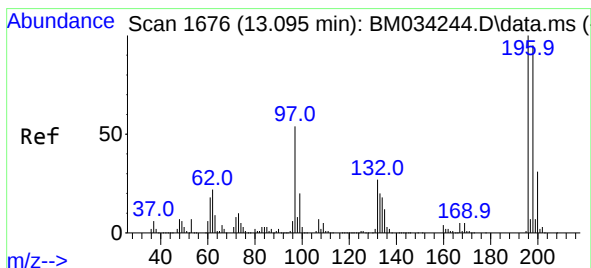
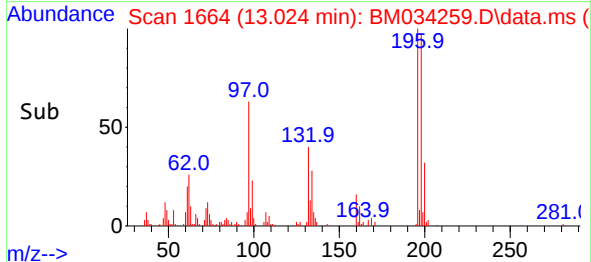
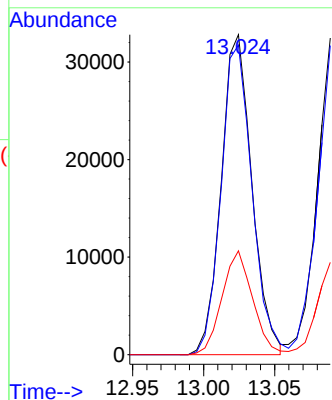
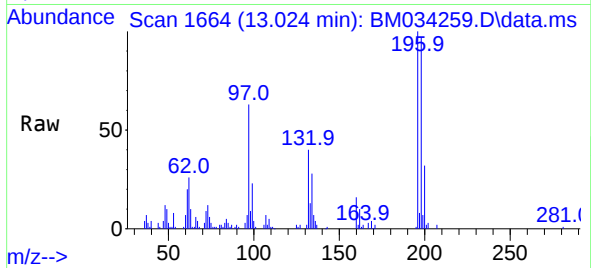
Ion	Ratio	Lower	Upper
196	100		
198	96.7	76.1	114.1
200	32.5	24.9	37.3

Manual Integrations

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Supervised By :Jagrut Upadhyay 03/17/2022



#44

2,4,5-Trichlorophenol

Concen: 4.806 ng

RT: 13.089 min Scan# 1675

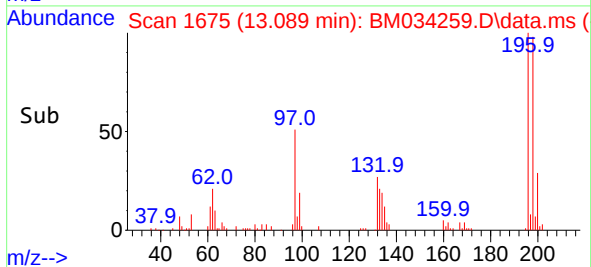
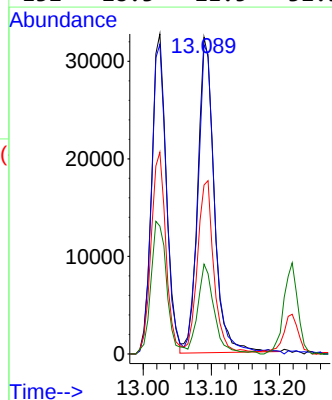
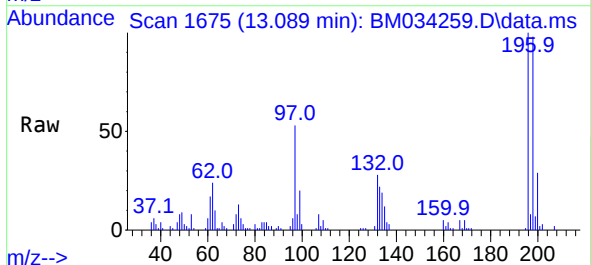
Delta R.T. -0.006 min

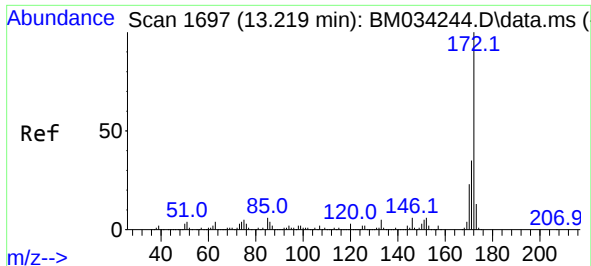
Lab File: BM034259.D

Acq: 16 Mar 2022 15:01

Tgt Ion:196 Resp: 54288

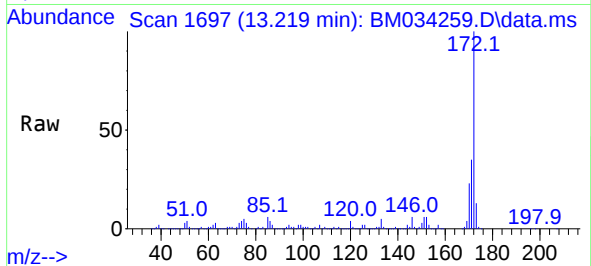
Ion	Ratio	Lower	Upper
196	100		
198	97.6	75.9	113.9
97	53.3	43.2	64.8
132	28.3	21.5	32.3





#45
2-Fluorobiphenyl
Concen: 66.641 ng
RT: 13.219 min Scan# 1
Delta R.T. 0.000 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

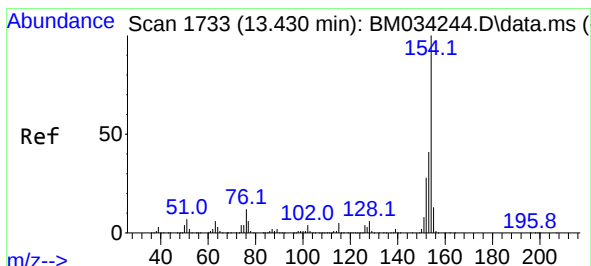
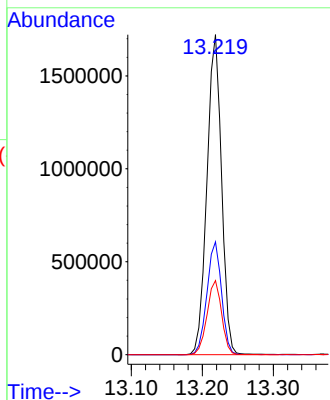
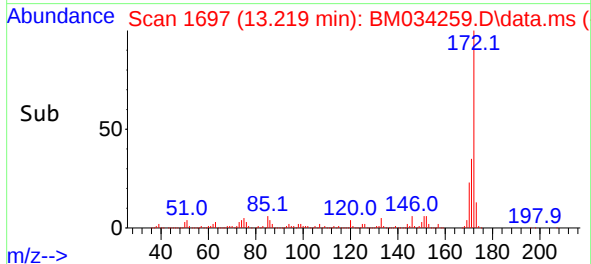
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



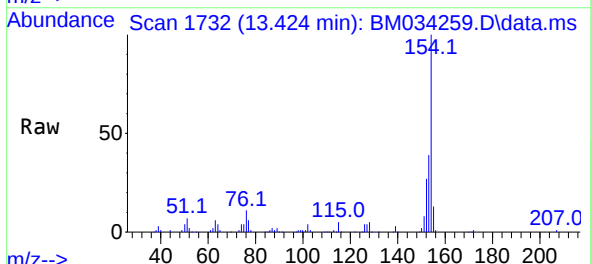
Tgt Ion:172 Resp: 246348
Ion Ratio Lower Upper
172 100
171 35.2 28.0 42.0
170 23.2 18.6 28.0

Manual Integrations
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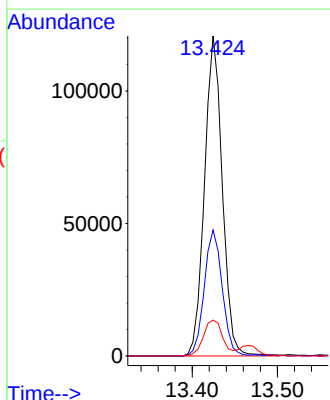
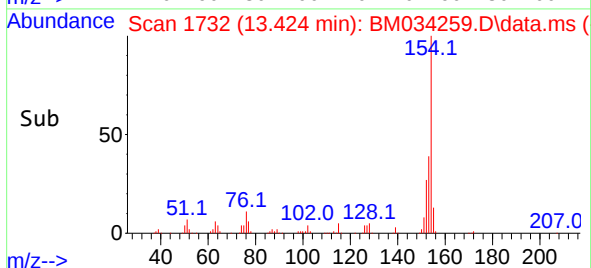
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

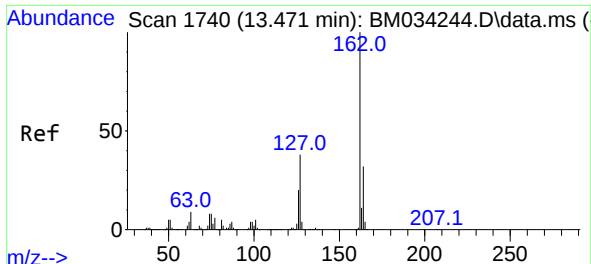


#46
1,1'-Biphenyl
Concen: 4.549 ng
RT: 13.424 min Scan# 1732
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01



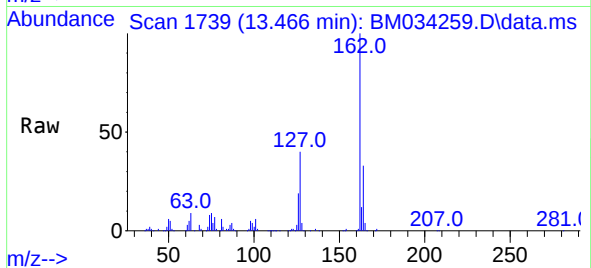
Tgt Ion:154 Resp: 175231
Ion Ratio Lower Upper
154 100
153 39.3 21.0 61.0
76 11.2 0.0 32.1





#47
2-Chloronaphthalene
Concen: 5.486 ng
RT: 13.466 min Scan# 1740
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

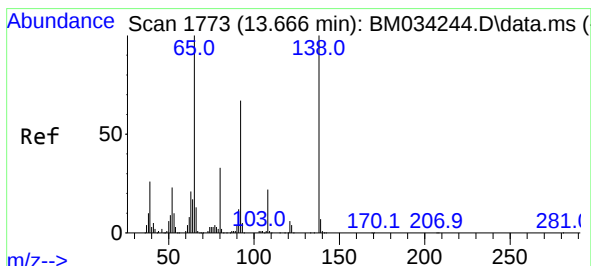
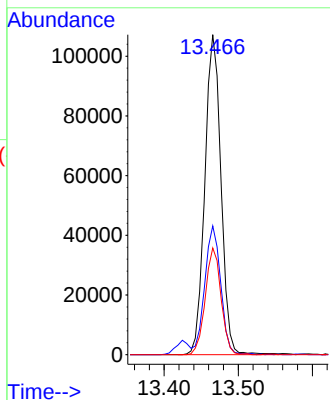
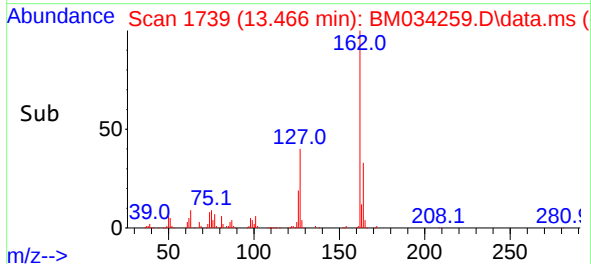
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



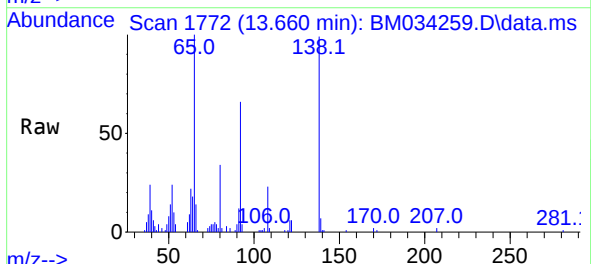
Tgt Ion:162 Resp: 162189
Ion Ratio Lower Upper
162 100
127 40.2 30.4 45.6
164 33.3 25.8 38.8

Manual Integrations
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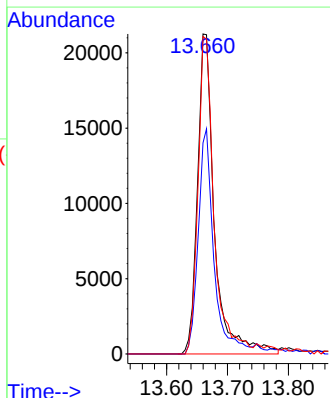
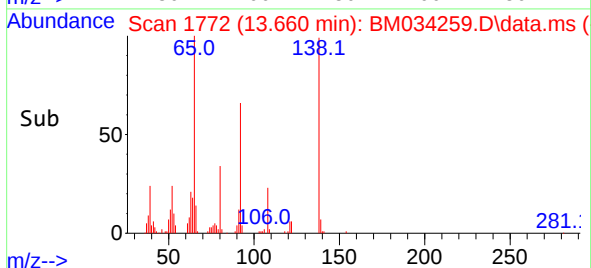
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

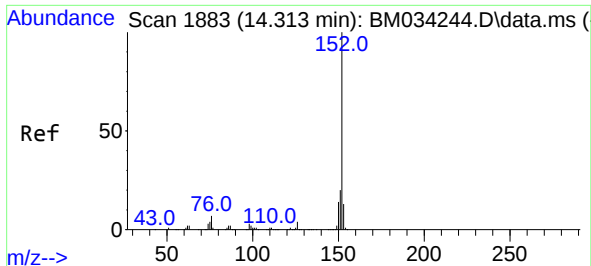


#48
2-Nitroaniline
Concen: 4.545 ng
RT: 13.660 min Scan# 1772
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01



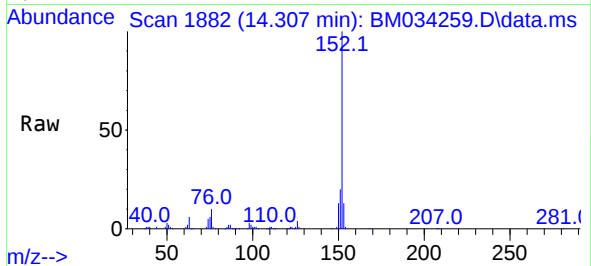
Tgt Ion: 65 Resp: 41083
Ion Ratio Lower Upper
65 100
92 65.9 53.8 80.8
138 99.2 79.9 119.9





#49
Acenaphthylene
Concen: 5.787 ng
RT: 14.307 min Scan# 1882
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

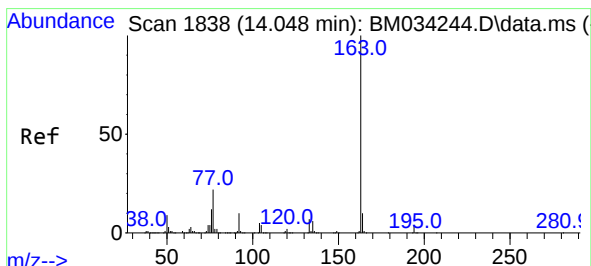
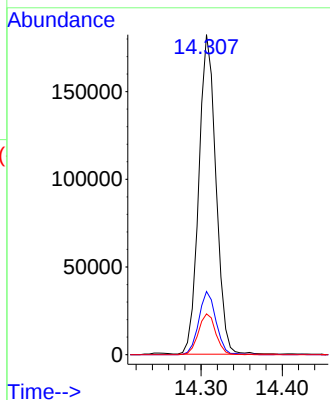
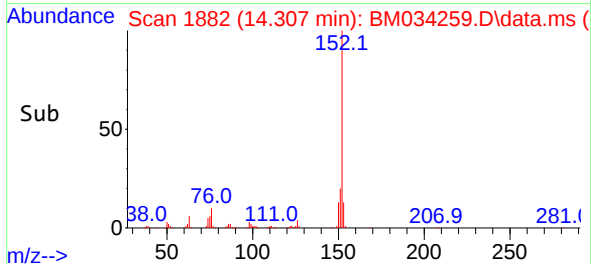
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT1-2022



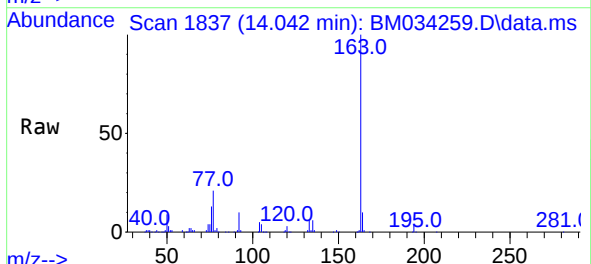
Tgt Ion:152 Resp: 266669
Ion Ratio Lower Upper
152 100
151 19.8 15.9 23.9
153 12.8 10.6 16.0

Manual Integrations
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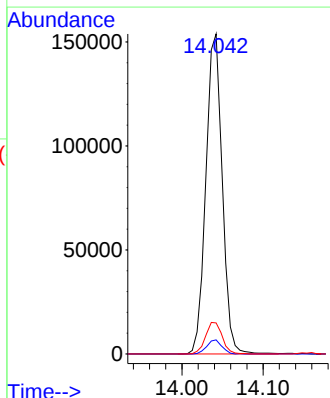
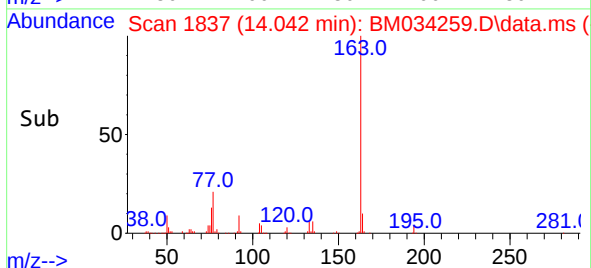
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

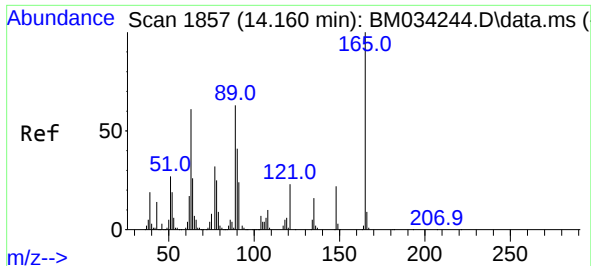


#50
Dimethylphthalate
Concen: 5.594 ng
RT: 14.042 min Scan# 1837
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01



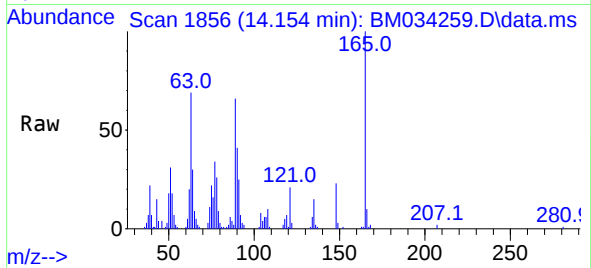
Tgt Ion:163 Resp: 215063
Ion Ratio Lower Upper
163 100
194 4.4 3.3 4.9
164 9.7 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 5.404 ng
RT: 14.154 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

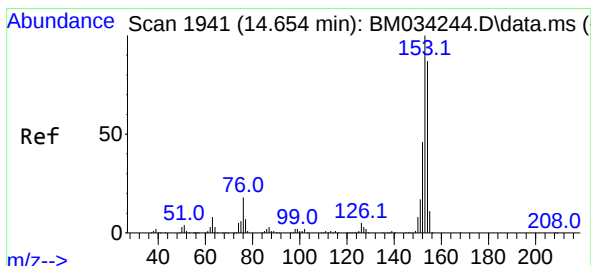
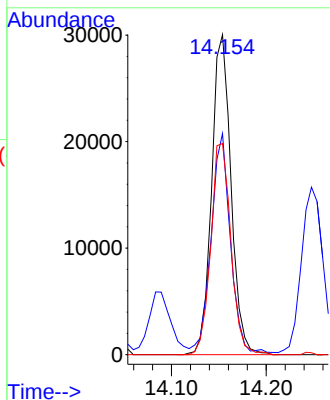
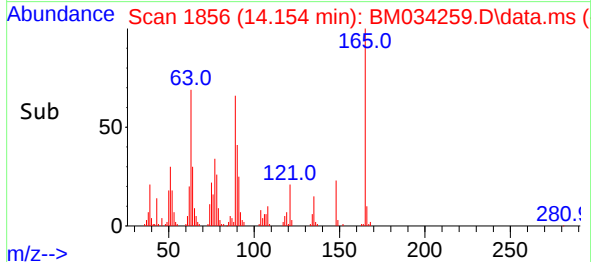
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



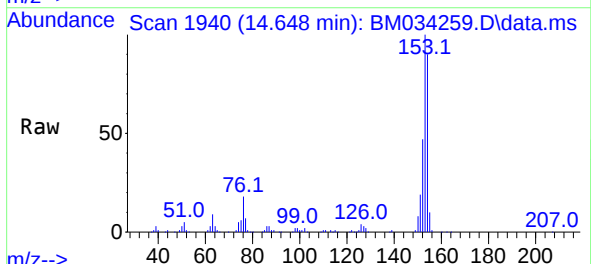
Tgt Ion:165 Resp: 42618
Ion Ratio Lower Upper
165 100
63 69.1 51.9 77.9
89 66.0 50.6 76.0

Manual Integrations
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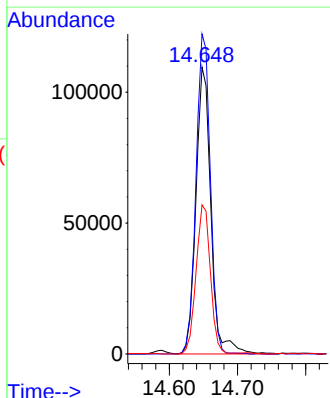
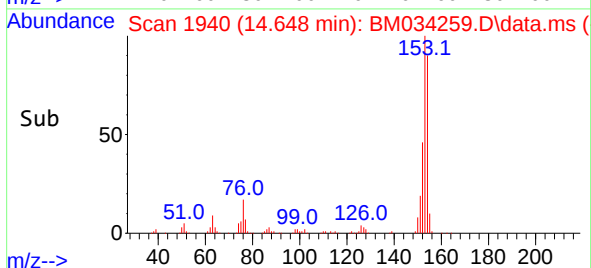
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

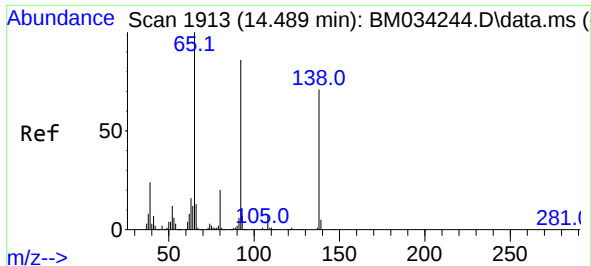


#52
Acenaphthene
Concen: 5.385 ng
RT: 14.648 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01



Tgt Ion:154 Resp: 167155
Ion Ratio Lower Upper
154 100
153 111.6 91.8 137.8
152 52.0 42.6 64.0





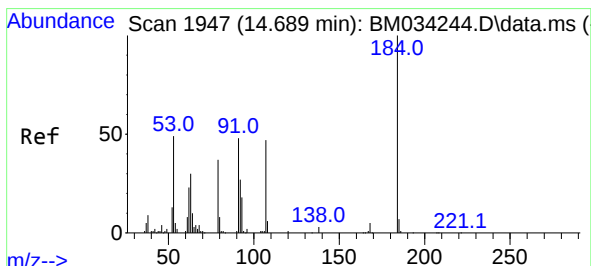
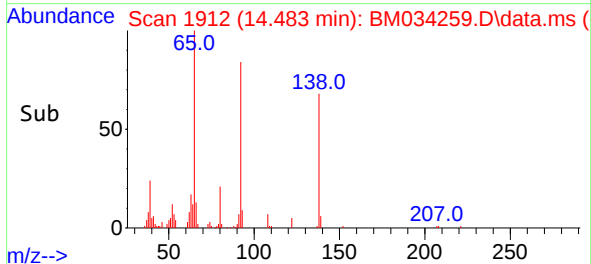
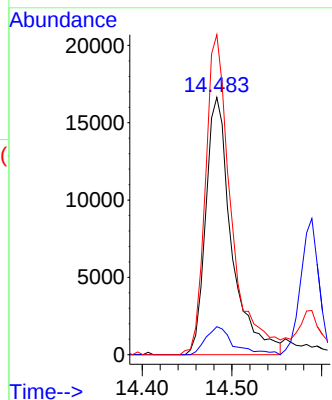
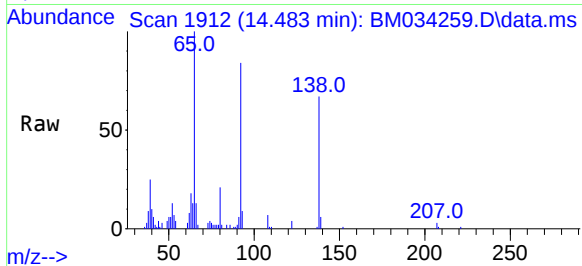
#53
3-Nitroaniline
Concen: 4.205 ng
RT: 14.483 min Scan# 1913
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022

Tgt Ion:138 Resp: 33272
Ion Ratio Lower Upper
138 100
108 10.9 8.3 12.5
92 124.4 97.6 146.4

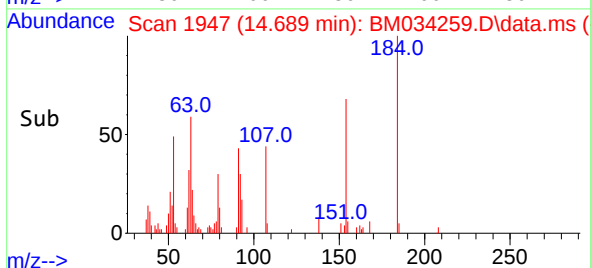
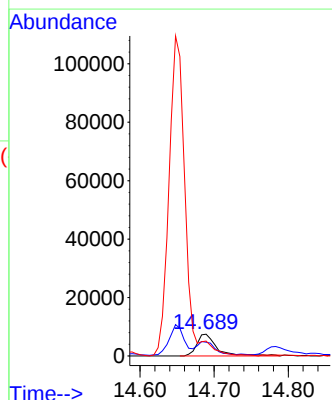
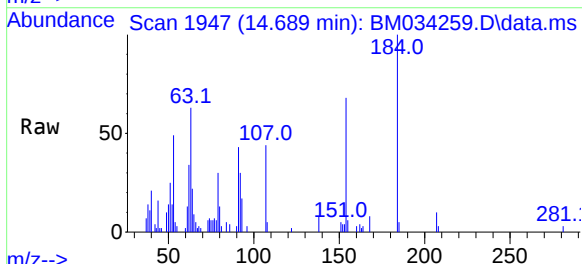
Manual Integrations
APPROVED

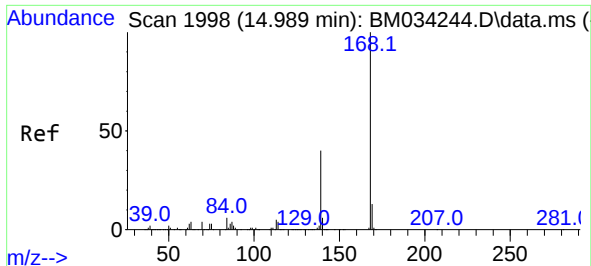
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#54
2,4-Dinitrophenol
Concen: 3.165 ng
RT: 14.689 min Scan# 1947
Delta R.T. 0.000 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

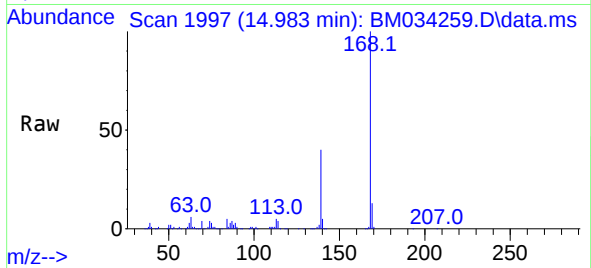
Tgt Ion:184 Resp: 13984
Ion Ratio Lower Upper
184 100
63 63.1 58.3 87.5
154 68.5 52.6 78.8





#55
Dibenzenofuran
Concen: 5.515 ng
RT: 14.983 min Scan# 1998
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

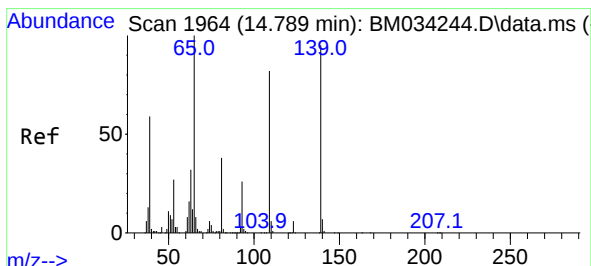
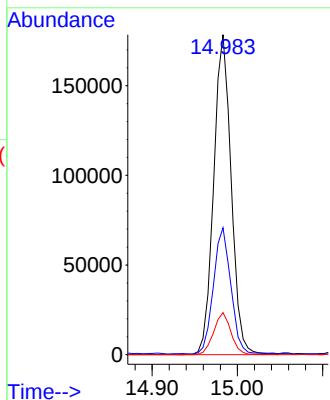
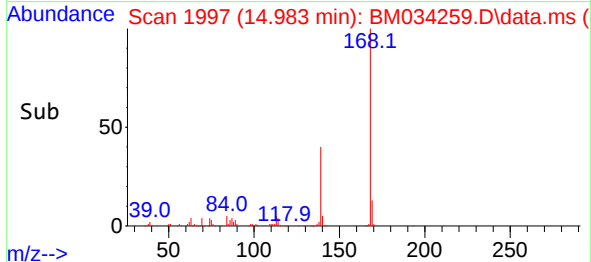
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:168 Resp: 25511
Ion Ratio Lower Upper
168 100
139 39.6 32.4 48.6
169 13.2 10.8 16.2

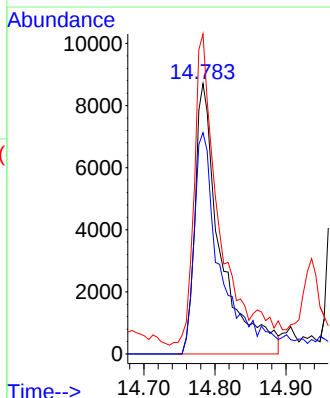
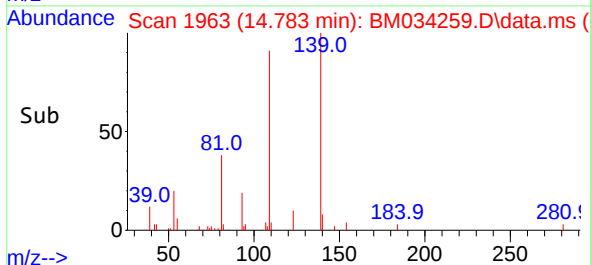
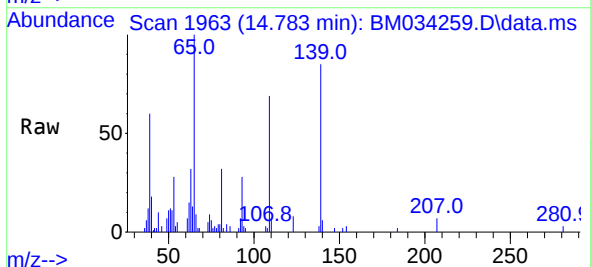
Manual Integrations
APPROVED

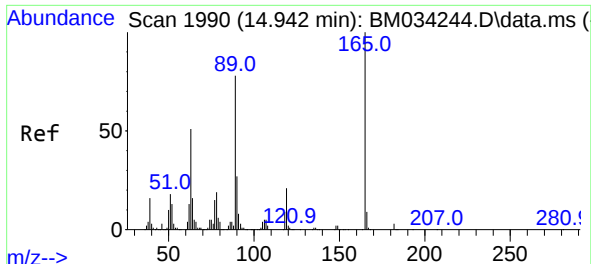
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#56
4-Nitrophenol
Concen: 3.356 ng
RT: 14.783 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

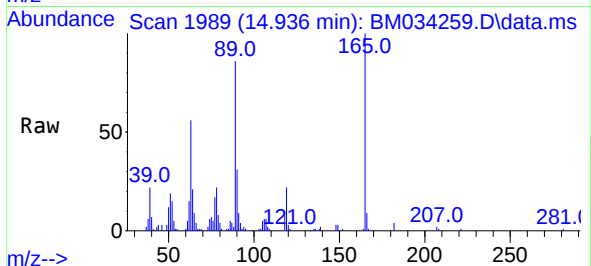
Tgt Ion:139 Resp: 21528
Ion Ratio Lower Upper
139 100
109 81.8 66.3 106.3
65 118.3 85.5 125.5





#57
2,4-Dinitrotoluene
Concen: 4.907 ng
RT: 14.936 min Scan# 1990
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

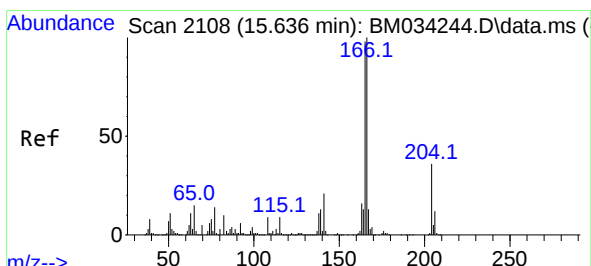
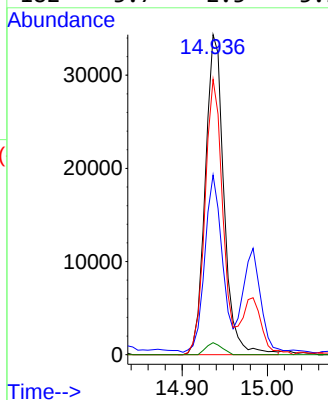
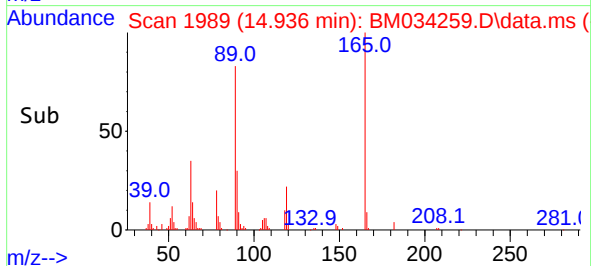
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:165 Resp: 52308
Ion Ratio Lower Upper
165 100
63 56.2 40.6 61.0
89 86.1 62.7 94.1
182 3.7 2.3 3.5#

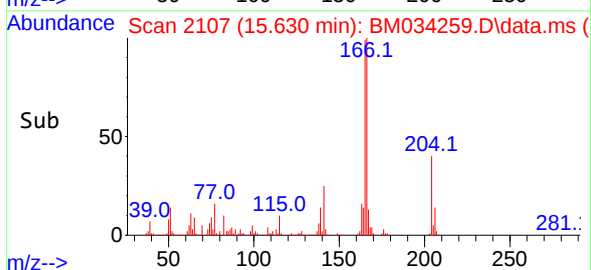
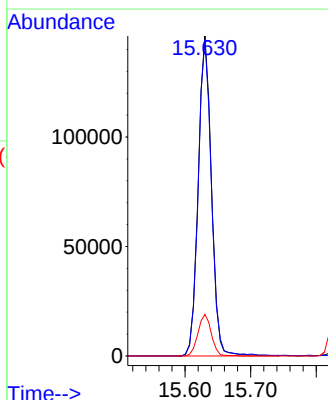
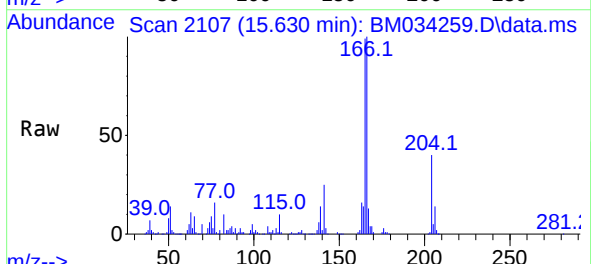
Manual Integrations
APPROVED

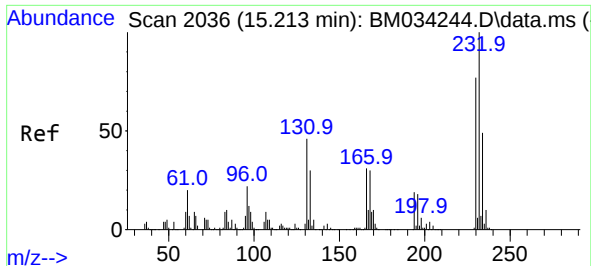
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#58
Fluorene
Concen: 5.478 ng
RT: 15.630 min Scan# 2107
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

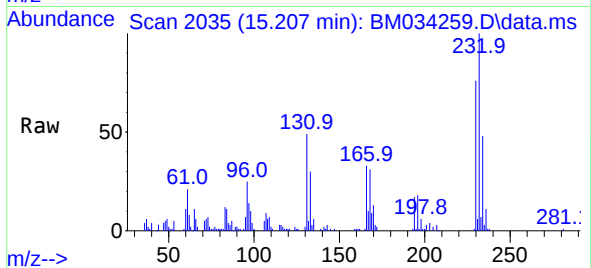
Tgt Ion:166 Resp: 205695
Ion Ratio Lower Upper
166 100
165 98.9 78.0 117.0
167 13.0 10.5 15.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 4.898 ng
RT: 15.207 min Scan# 2035
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

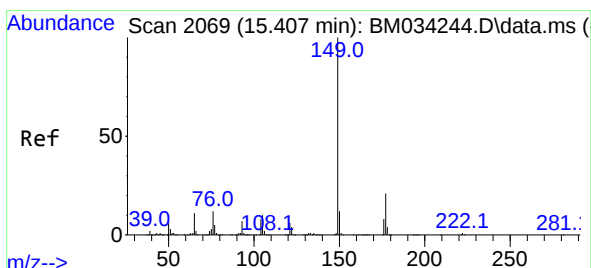
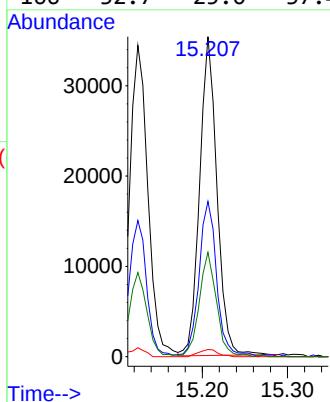
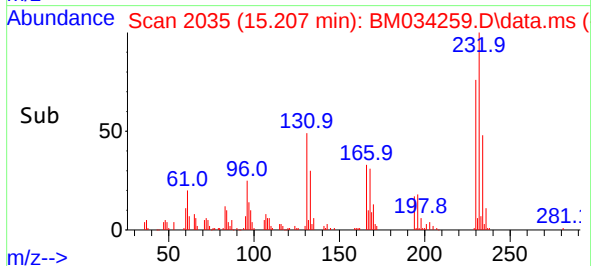
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



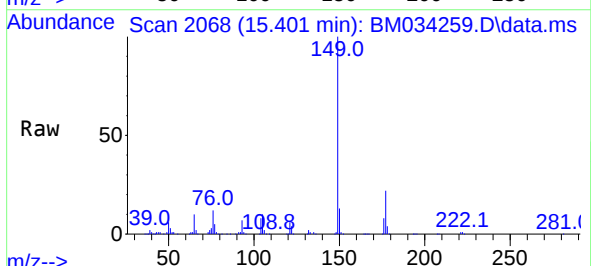
Tgt Ion:232 Resp: 4989
Ion Ratio Lower Upper
232 100
131 50.0 38.0 57.0
130 2.5 2.2 3.2
166 32.7 25.0 37.4

Manual Integrations
APPROVED

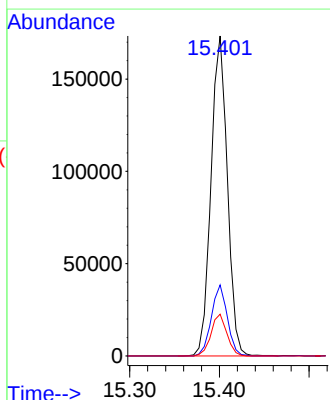
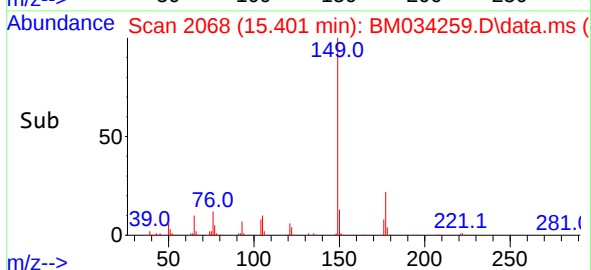
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

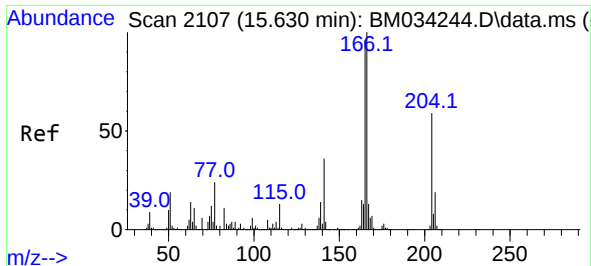


#60
Diethylphthalate
Concen: 5.563 ng
RT: 15.401 min Scan# 2068
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01



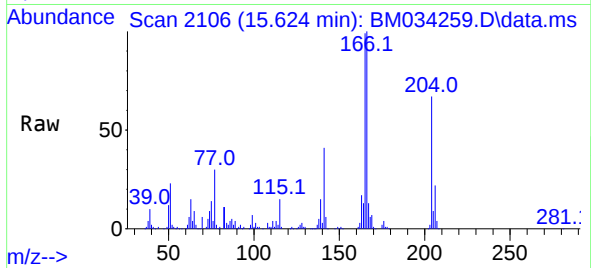
Tgt Ion:149 Resp: 219419
Ion Ratio Lower Upper
149 100
177 22.2 17.1 25.7
150 13.1 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 5.484 ng
RT: 15.624 min Scan# 2106
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

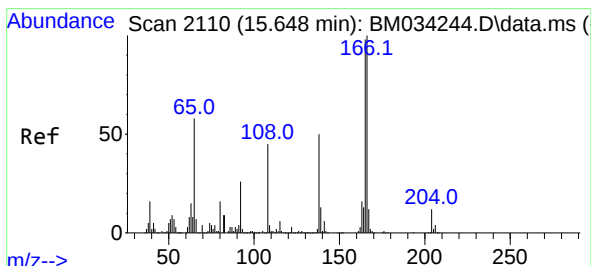
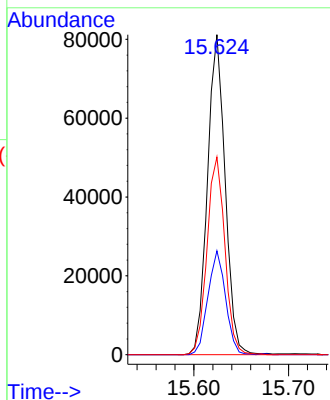
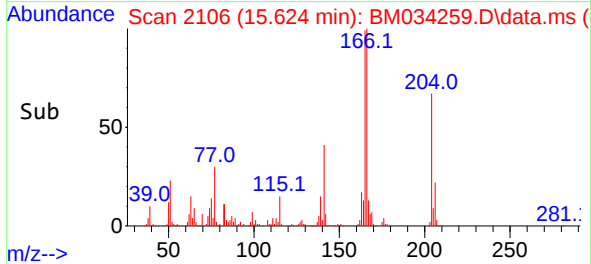
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



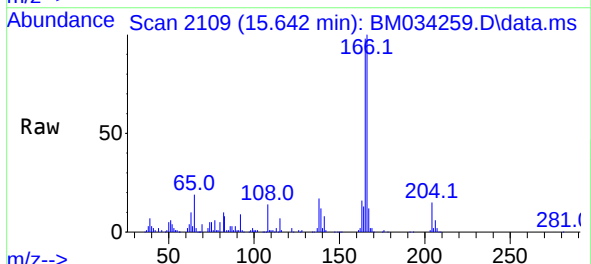
Tgt Ion:204 Resp: 10513
Ion Ratio Lower Upper
204 100
206 32.4 26.4 39.6
141 61.8 49.4 74.2

Manual Integrations
APPROVED

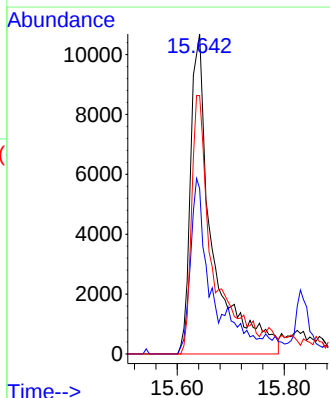
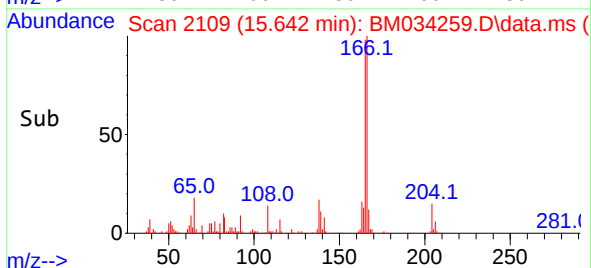
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

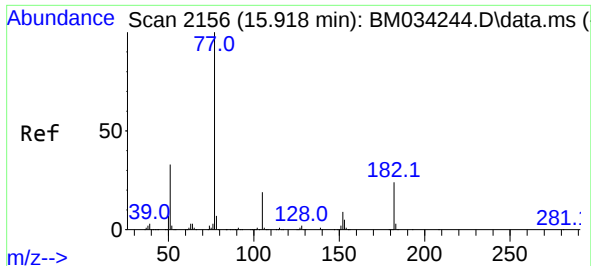


#62
4-Nitroaniline
Concen: 3.988 ng m
RT: 15.642 min Scan# 2109
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01



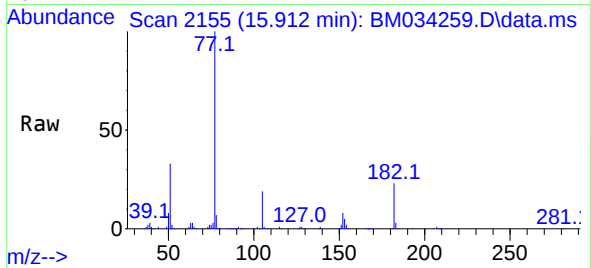
Tgt Ion:138 Resp: 30352
Ion Ratio Lower Upper
138 100
92 51.7 32.6 72.6
108 80.8 69.8 109.8





#63
Azobenzene
Concen: 5.407 ng
RT: 15.912 min Scan# 2156
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

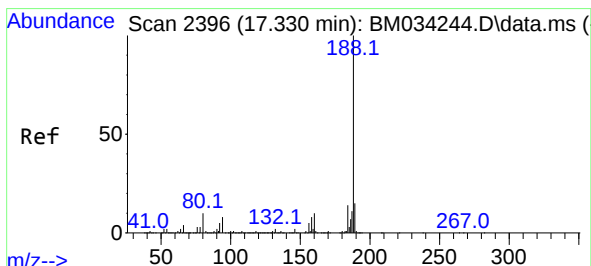
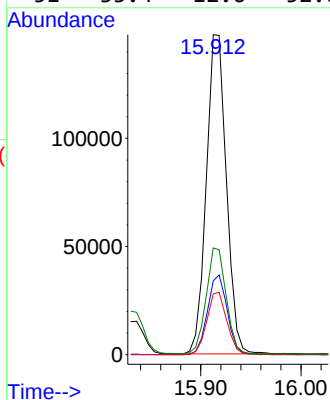
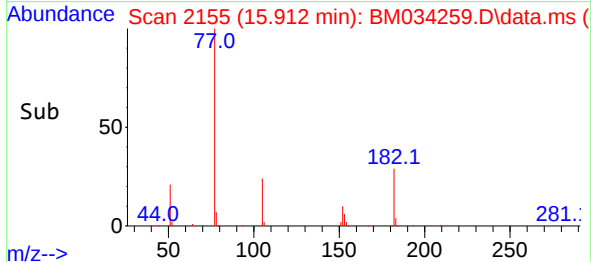
Instrument : BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



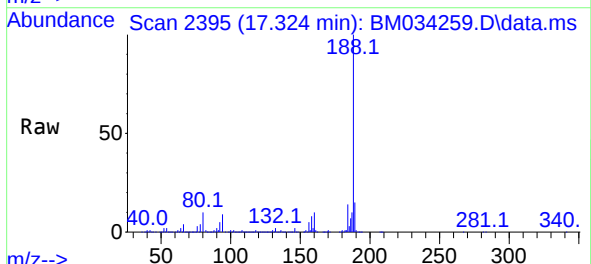
Tgt Ion: 77 Resp: 205670
Ion Ratio Lower Upper
77 100
182 23.0 4.4 44.4
105 19.0 0.0 38.7
51 33.4 12.6 52.6

Manual Integrations
APPROVED

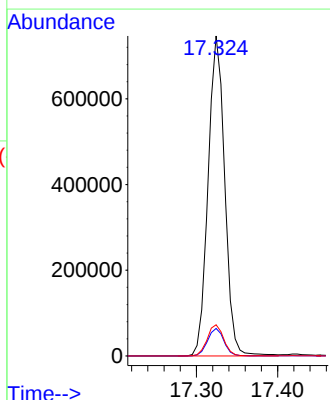
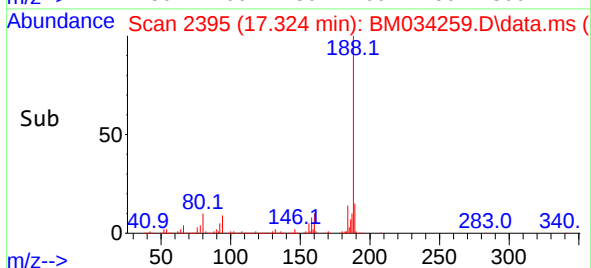
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

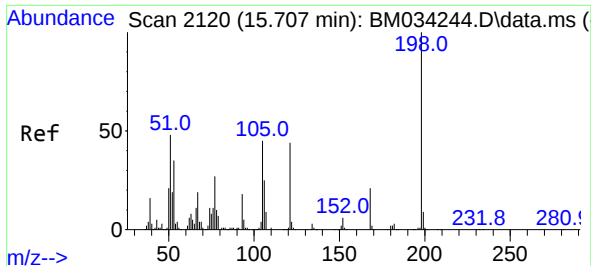


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.324 min Scan# 2395
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01



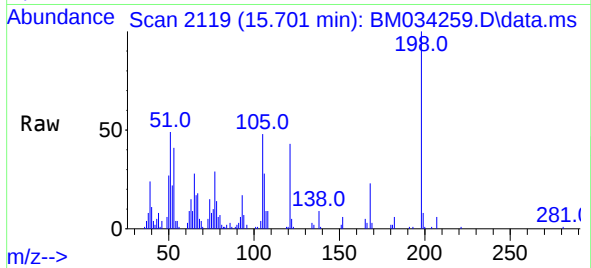
Tgt Ion:188 Resp: 1061651
Ion Ratio Lower Upper
188 100
94 8.6 6.6 9.8
80 9.7 7.8 11.8





#65
4,6-Dinitro-2-methylphenol
Concen: 3.684 ng
RT: 15.701 min Scan# 2119
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

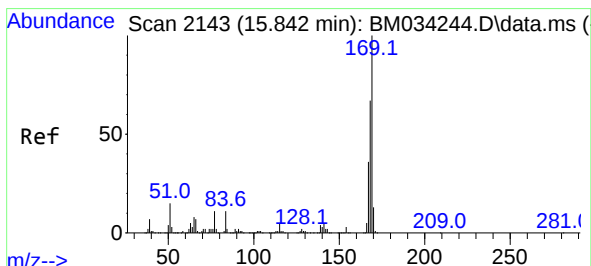
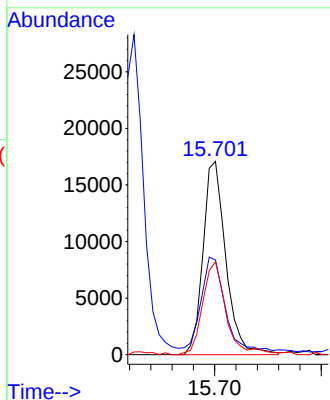
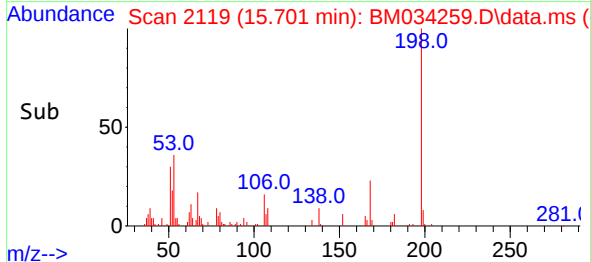
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:198 Resp: 2543
Ion Ratio Lower Upper
198 100
51 49.0 29.0 69.0
105 48.1 25.3 65.3

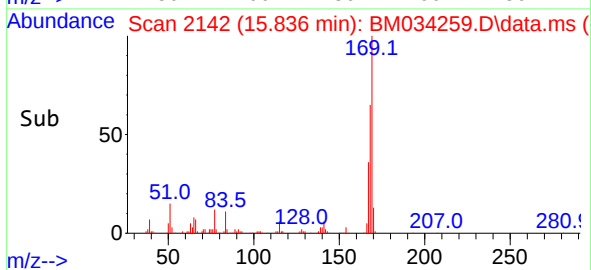
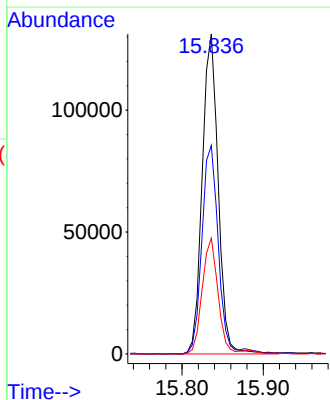
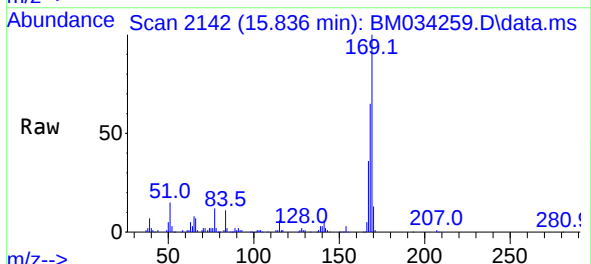
Manual Integrations
APPROVED

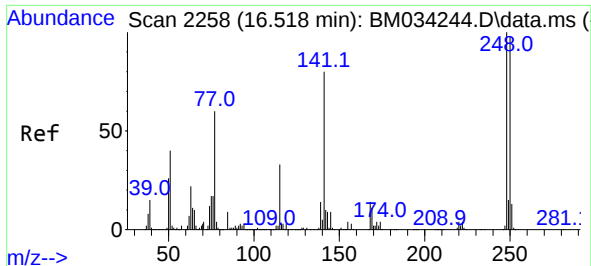
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#66
n-Nitrosodiphenylamine
Concen: 5.321 ng
RT: 15.836 min Scan# 2142
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

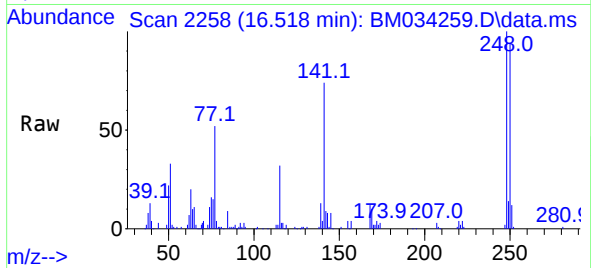
Tgt Ion:169 Resp: 179470
Ion Ratio Lower Upper
169 100
168 65.2 53.9 80.9
167 36.2 29.0 43.4





#67
4-Bromophenyl-phenylether
Concen: 5.304 ng
RT: 16.518 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

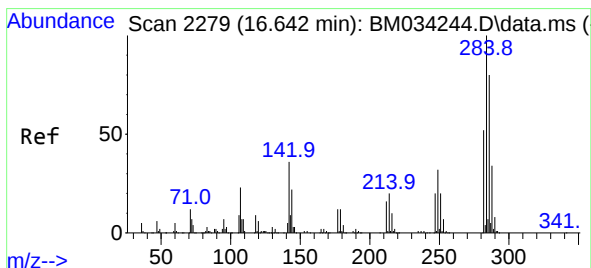
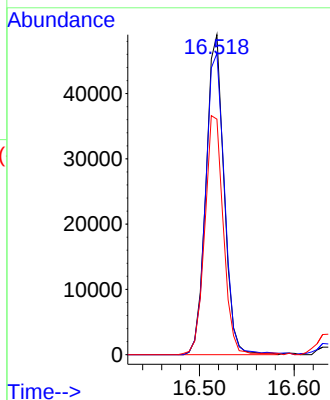
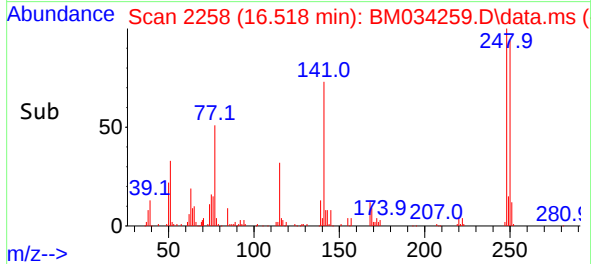
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



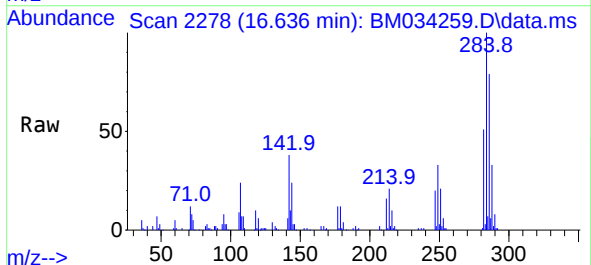
Tgt Ion:248 Resp: 64729
Ion Ratio Lower Upper
248 100
250 94.2 78.0 117.0
141 73.6 63.8 95.6

Manual Integrations
APPROVED

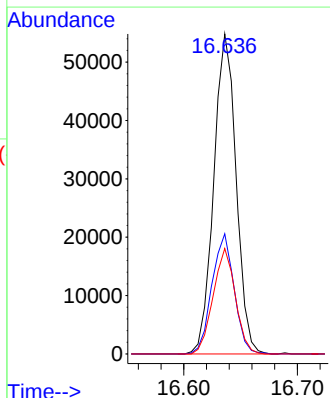
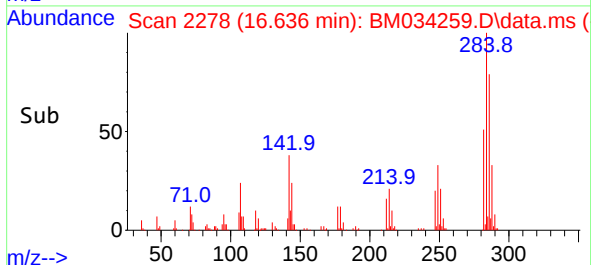
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

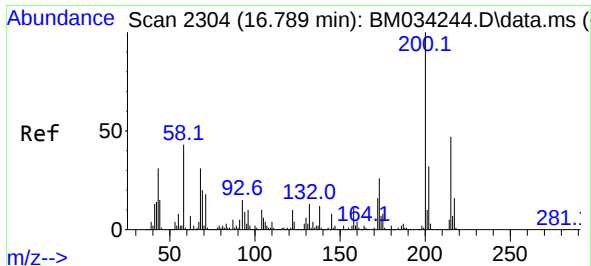


#68
Hexachlorobenzene
Concen: 5.509 ng
RT: 16.636 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01



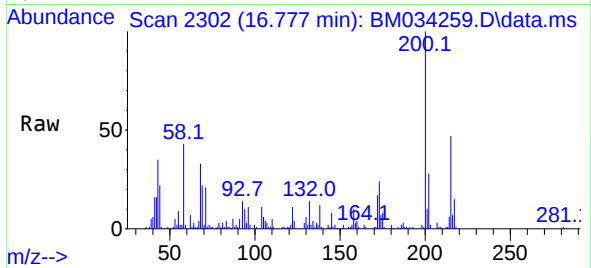
Tgt Ion:284 Resp: 74986
Ion Ratio Lower Upper
284 100
142 37.6 28.9 43.3
249 32.9 25.4 38.0





#69
Atrazine
Concen: 4.580 ng
RT: 16.777 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

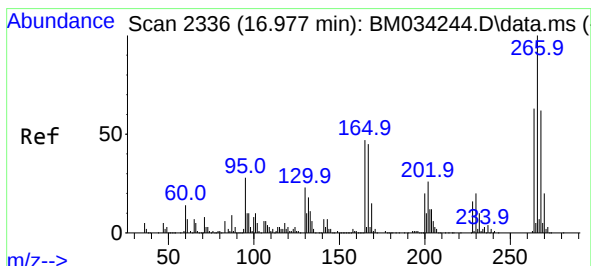
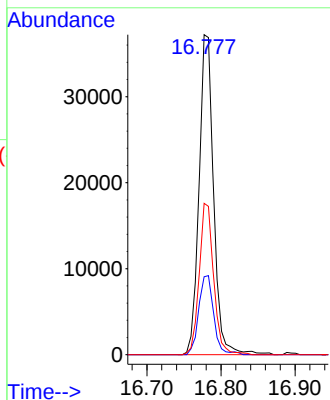
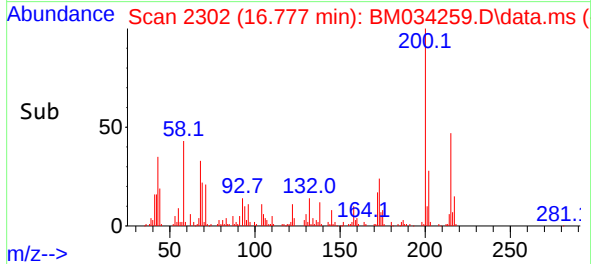
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



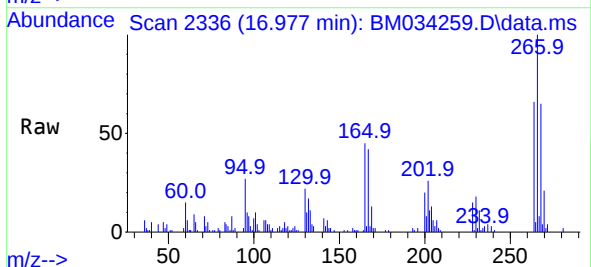
Tgt Ion:200 Resp: 5092
Ion Ratio Lower Upper
200 100
173 24.3 6.1 46.1
215 47.3 27.4 67.4

Manual Integrations
APPROVED

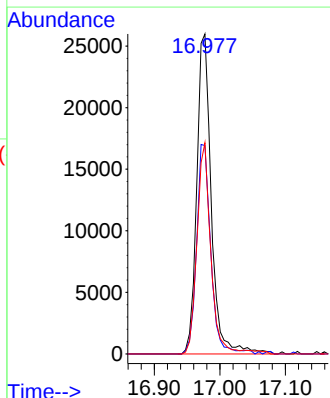
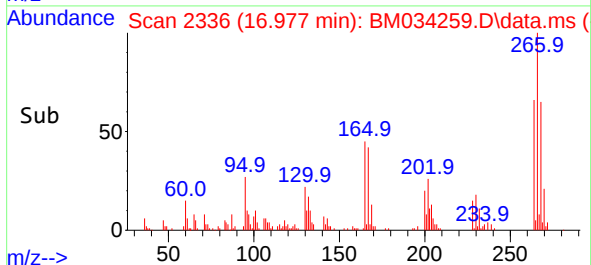
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

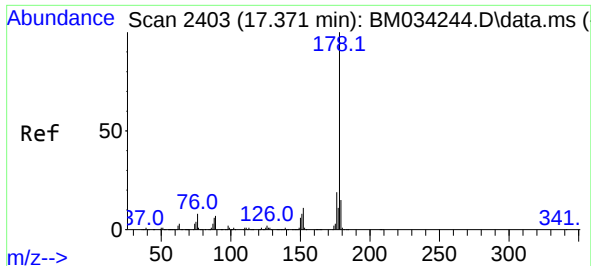


#70
Pentachlorophenol
Concen: 4.615 ng
RT: 16.977 min Scan# 2336
Delta R.T. 0.000 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01



Tgt Ion:266 Resp: 40176
Ion Ratio Lower Upper
266 100
268 65.1 49.8 74.8
264 66.0 50.3 75.5





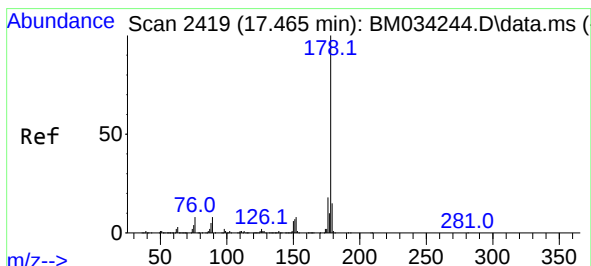
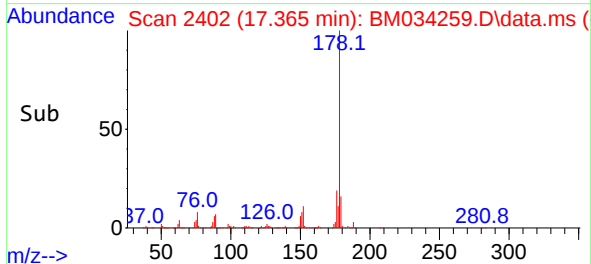
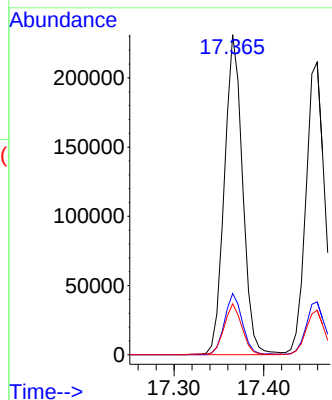
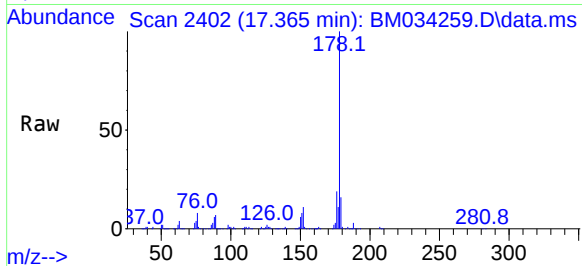
#71
Phenanthrene
Concen: 5.475 ng
RT: 17.365 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT1-2022

Tgt Ion:178 Resp: 325539
Ion Ratio Lower Upper
178 100
176 19.1 15.1 22.7
179 15.9 12.2 18.4

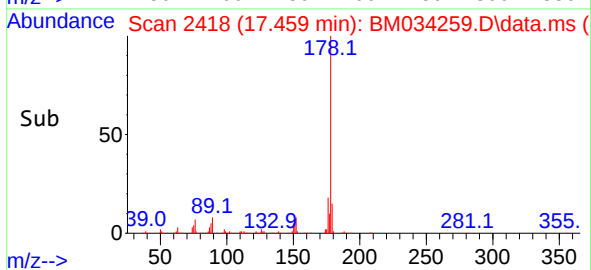
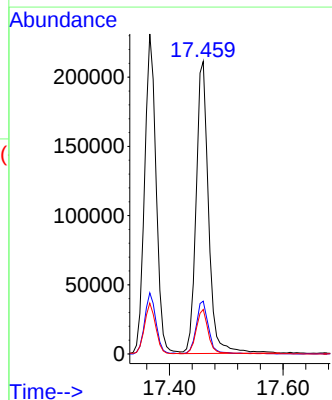
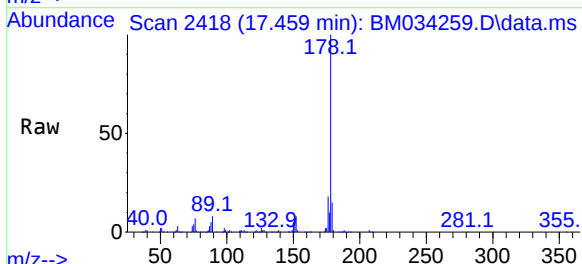
Manual Integrations
APPROVED

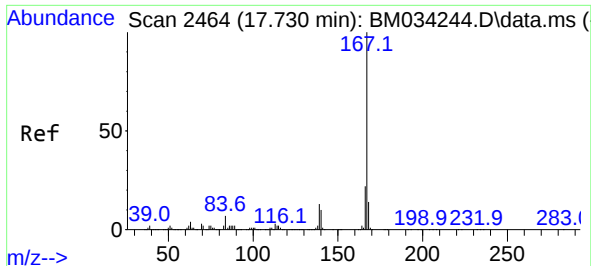
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#72
Anthracene
Concen: 5.558 ng
RT: 17.459 min Scan# 2418
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

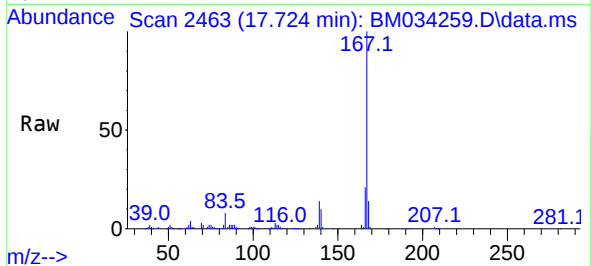
Tgt Ion:178 Resp: 321660
Ion Ratio Lower Upper
178 100
176 18.0 14.6 22.0
179 15.2 12.2 18.2





#73
Carbazole
Concen: 4.798 ng
RT: 17.724 min Scan# 2463
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

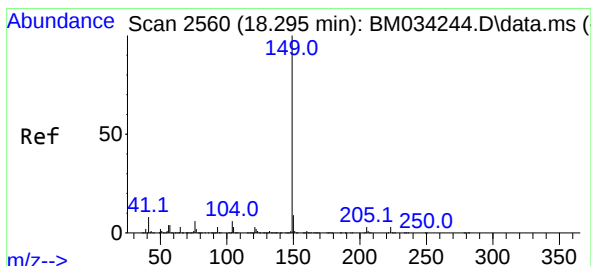
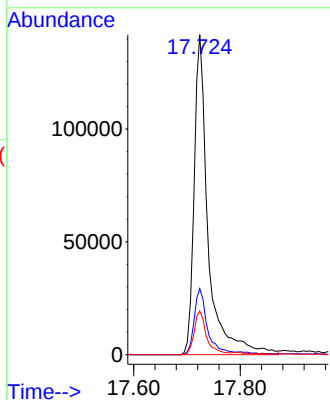
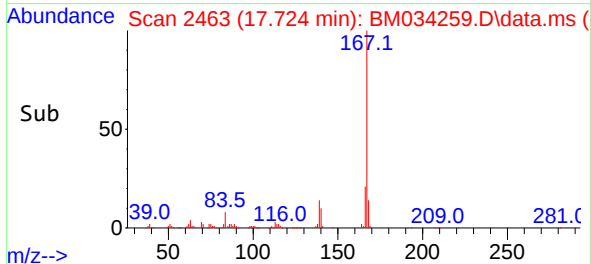
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



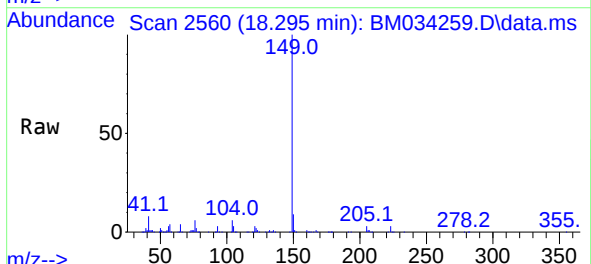
Tgt Ion:167 Resp: 258933
Ion Ratio Lower Upper
167 100
166 20.7 17.4 26.2
139 13.7 10.4 15.6

Manual Integrations
APPROVED

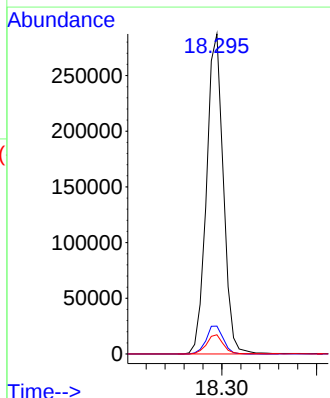
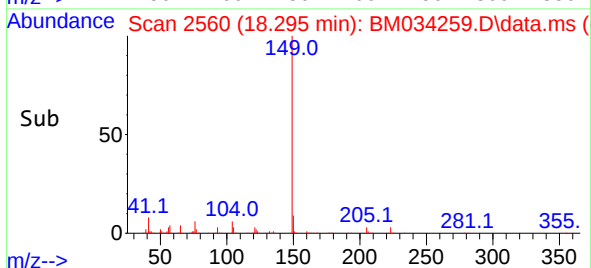
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

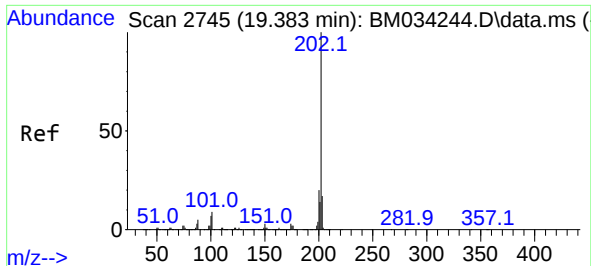


#74
Di-n-butylphthalate
Concen: 5.253 ng
RT: 18.295 min Scan# 2560
Delta R.T. 0.000 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01



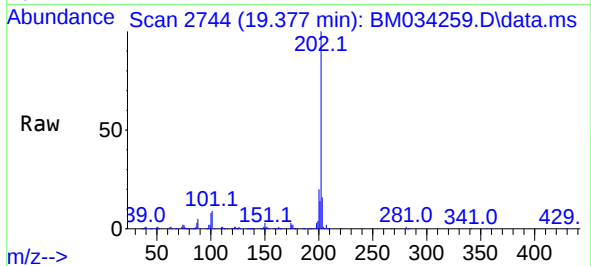
Tgt Ion:149 Resp: 352430
Ion Ratio Lower Upper
149 100
150 8.7 7.6 11.4
104 6.0 4.7 7.1





#75
Fluoranthene
Concen: 5.495 ng
RT: 19.377 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

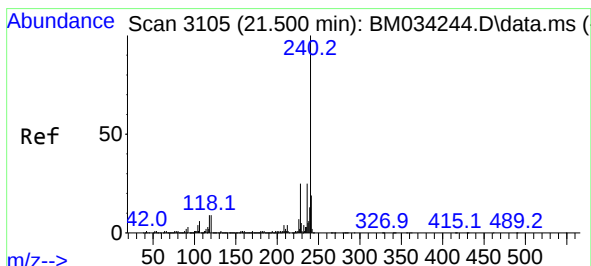
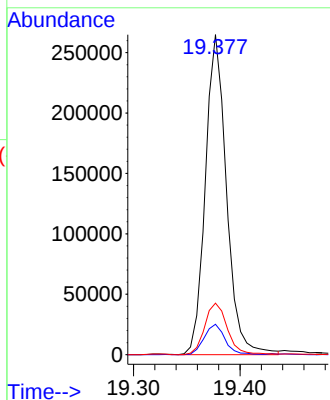
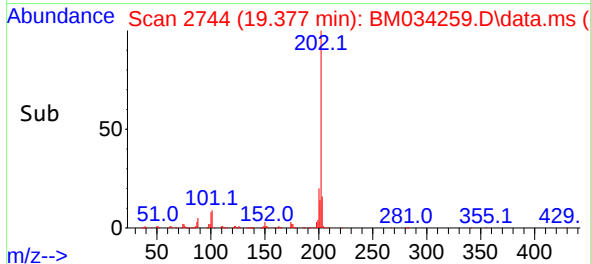
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:202 Resp: 366270
Ion Ratio Lower Upper
202 100
101 9.5 0.0 29.4
203 16.1 0.0 37.1

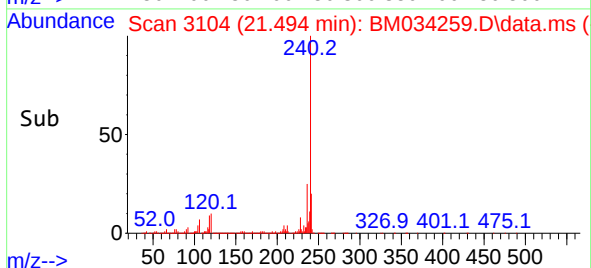
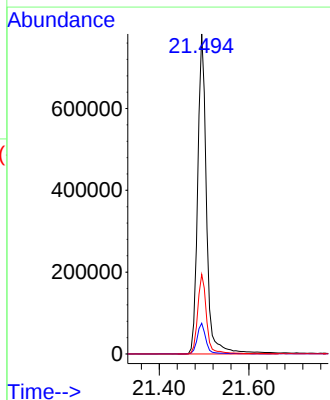
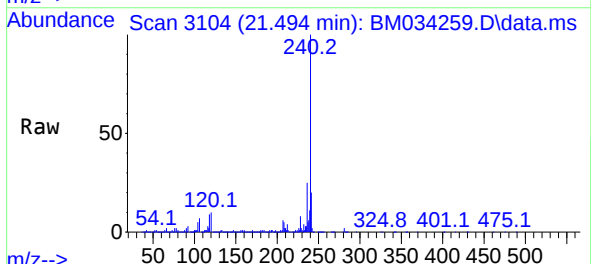
Manual Integrations
APPROVED

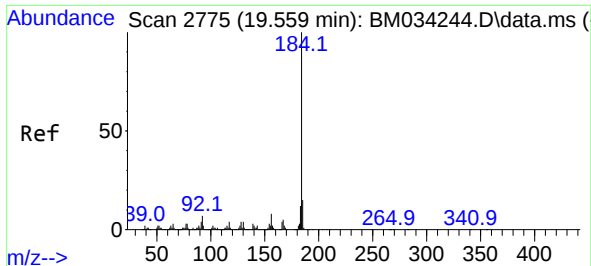
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.494 min Scan# 3104
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

Tgt Ion:240 Resp: 1070786
Ion Ratio Lower Upper
240 100
120 9.6 7.3 10.9
236 24.8 20.2 30.2





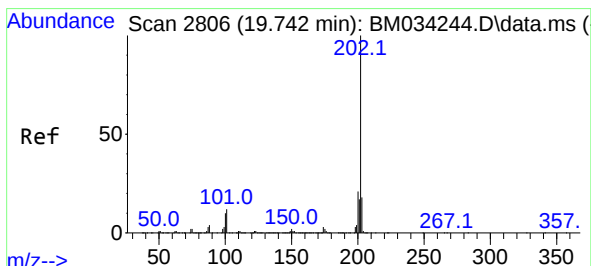
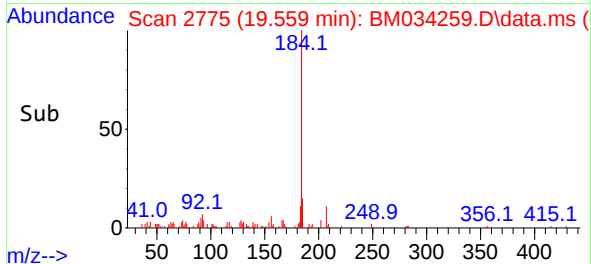
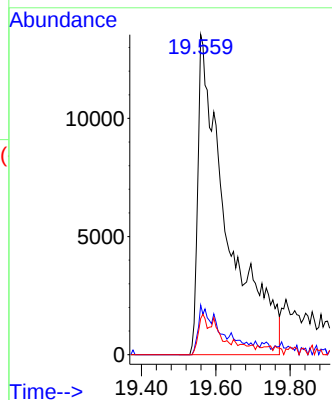
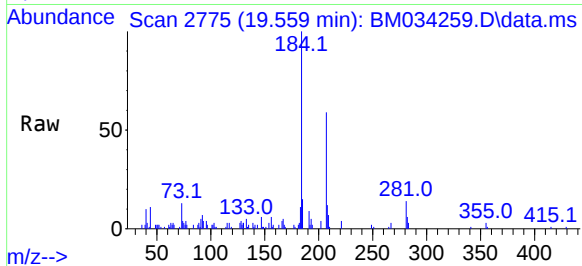
#77
Benzidine
Concen: 4.687 ng m
RT: 19.559 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022

Tgt Ion:184 Resp: 7355
Ion Ratio Lower Upper
184 100
185 15.5 11.7 17.5
183 11.3 9.8 14.6

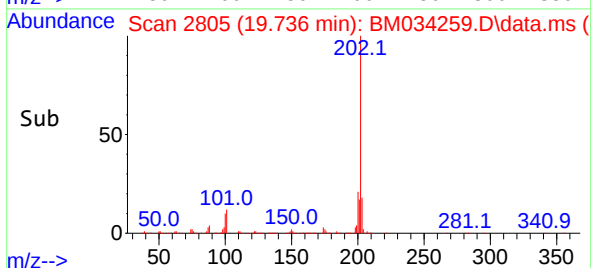
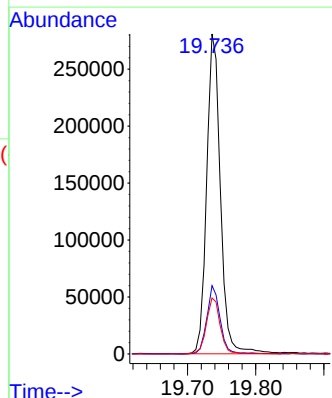
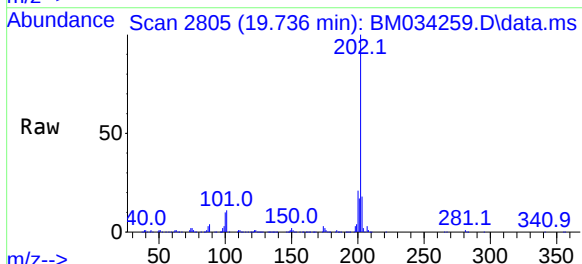
Manual Integrations
APPROVED

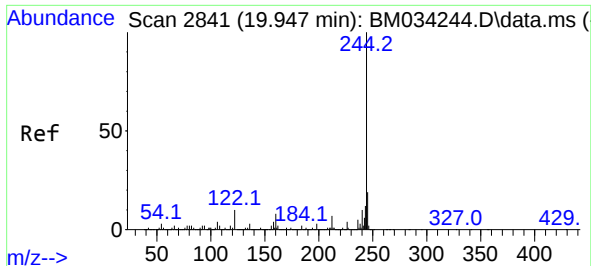
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#78
Pyrene
Concen: 5.212 ng
RT: 19.736 min Scan# 2805
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

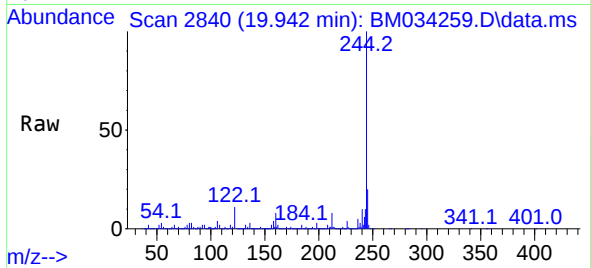
Tgt Ion:202 Resp: 393223
Ion Ratio Lower Upper
202 100
200 21.3 16.6 24.8
203 17.5 14.1 21.1





#79
Terphenyl-d14
Concen: 66.200 ng
RT: 19.942 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

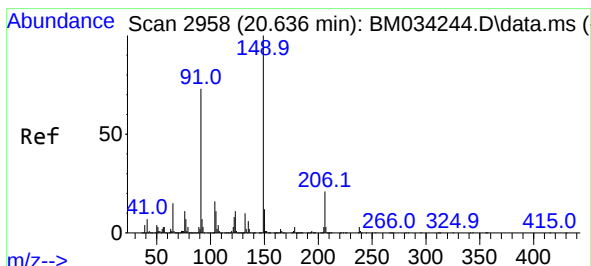
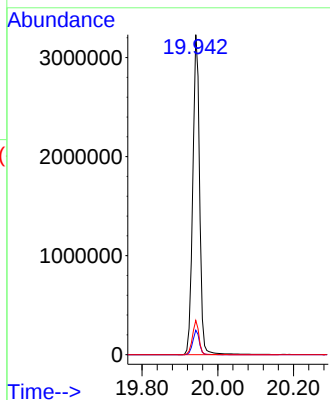
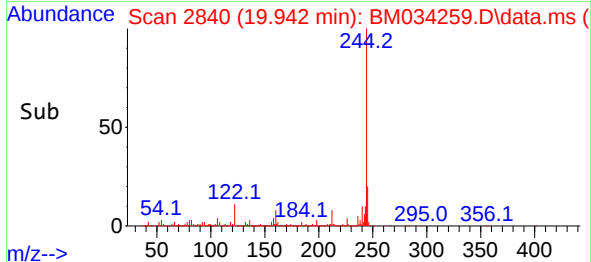
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



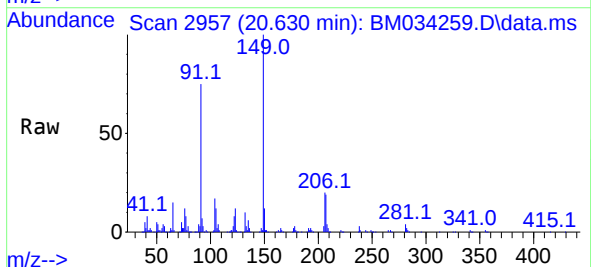
Tgt Ion:244 Resp: 407952
Ion Ratio Lower Upper
244 100
212 7.6 5.9 8.9
122 10.7 7.8 11.8

Manual Integrations
APPROVED

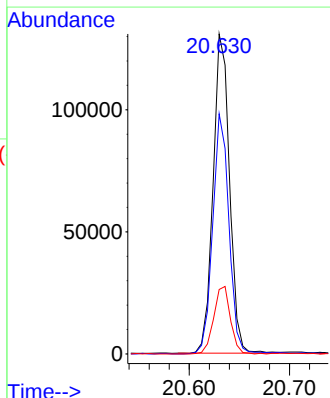
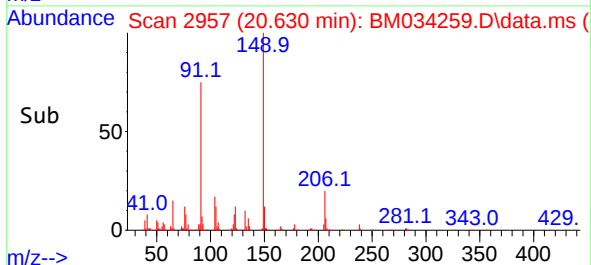
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

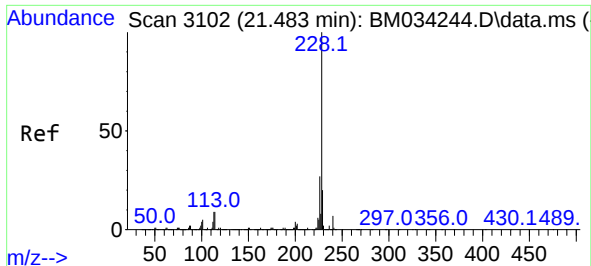


#80
Butylbenzylphthalate
Concen: 4.657 ng
RT: 20.630 min Scan# 2957
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01



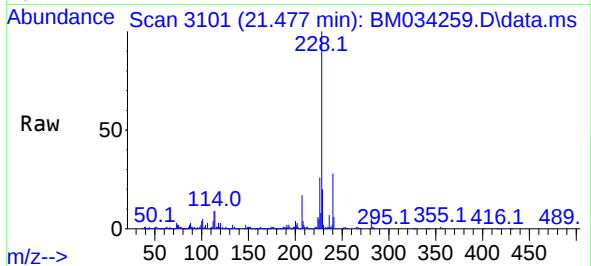
Tgt Ion:149 Resp: 148601
Ion Ratio Lower Upper
149 100
91 75.1 58.5 87.7
206 20.2 16.9 25.3





#81
Benzo(a)anthracene
Concen: 5.491 ng
RT: 21.477 min Scan# 3102
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

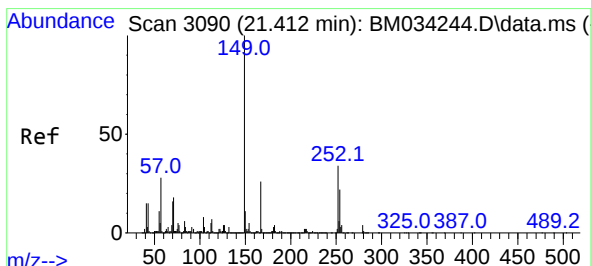
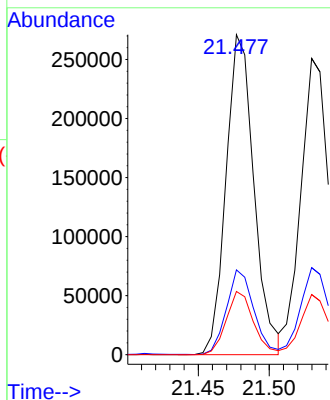
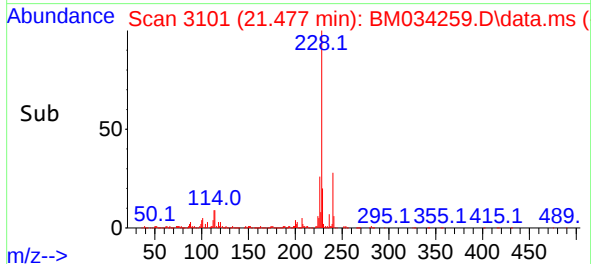
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:228 Resp: 37112
Ion Ratio Lower Upper
228 100
226 26.5 21.6 32.4
229 19.7 15.8 23.6

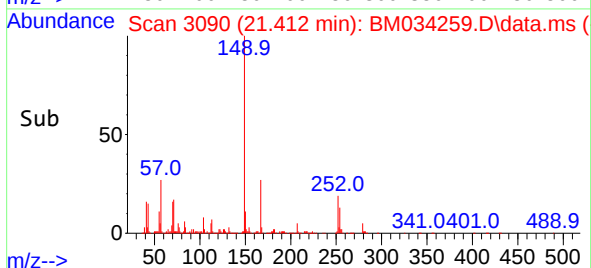
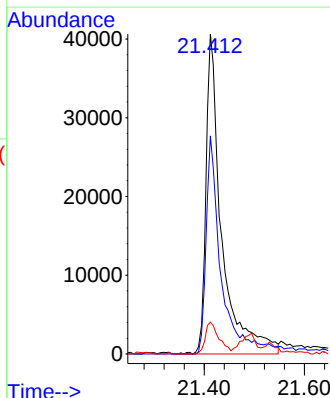
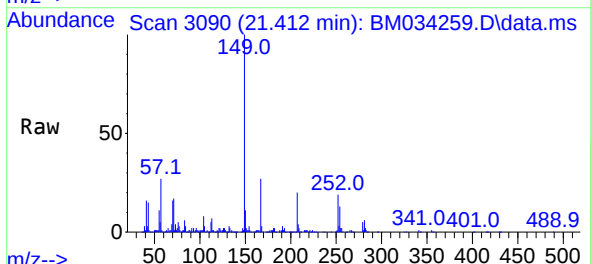
Manual Integrations
APPROVED

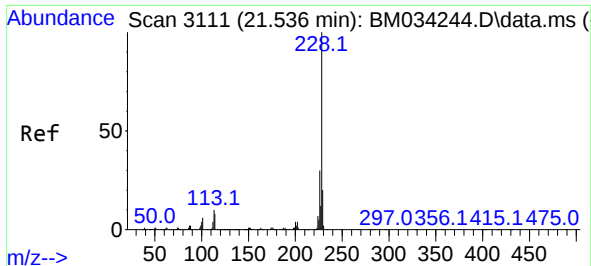
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#82
3,3'-Dichlorobenzidine
Concen: 3.923 ng
RT: 21.412 min Scan# 3090
Delta R.T. 0.000 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

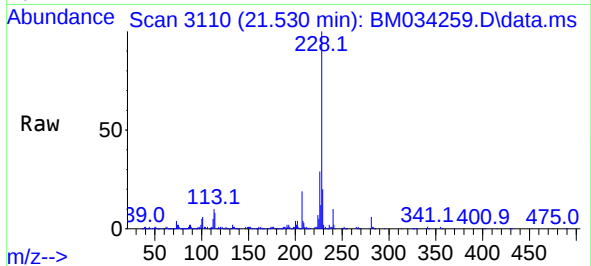
Tgt Ion:252 Resp: 88548
Ion Ratio Lower Upper
252 100
254 68.1 50.9 76.3
126 10.0 8.6 12.8





#83
Chrysene
Concen: 5.509 ng
RT: 21.530 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

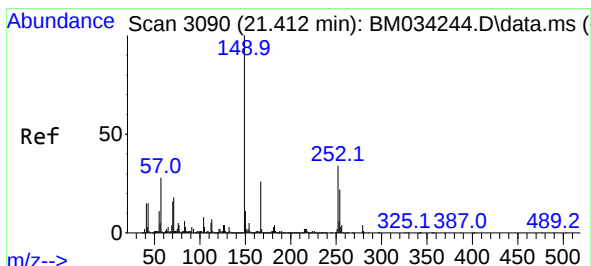
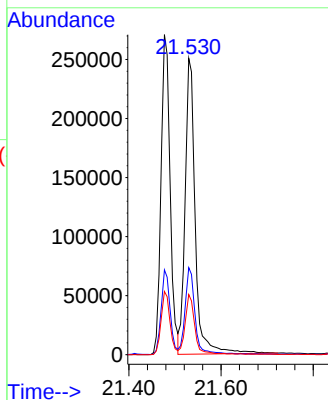
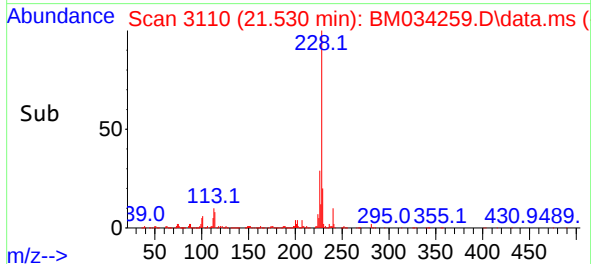
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:228 Resp: 38022
Ion Ratio Lower Upper
228 100
226 29.4 23.8 35.6
229 20.3 15.6 23.4

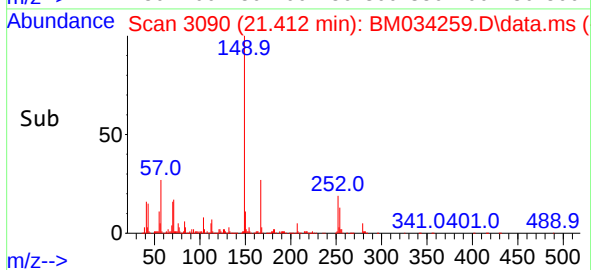
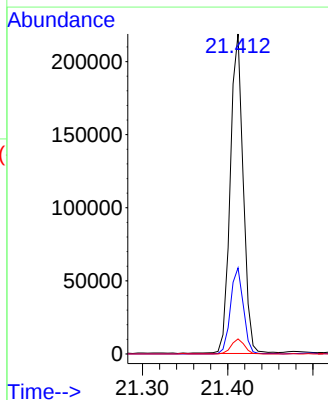
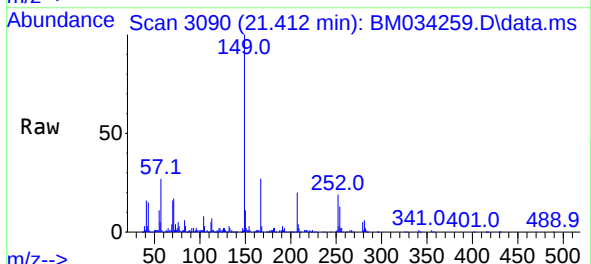
Manual Integrations
APPROVED

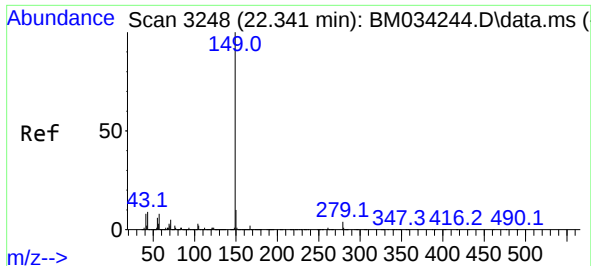
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 4.902 ng
RT: 21.412 min Scan# 3090
Delta R.T. 0.000 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

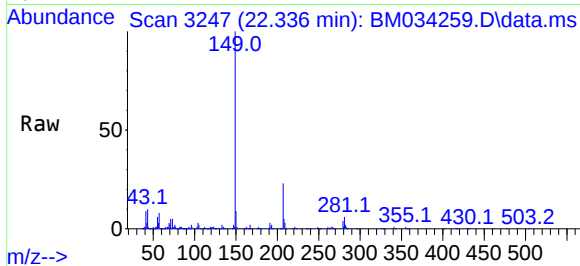
Tgt Ion:149 Resp: 230971
Ion Ratio Lower Upper
149 100
167 26.9 21.2 31.8
279 4.7 3.4 5.2





#85
Di-n-octyl phthalate
Concen: 5.036 ng
RT: 22.336 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

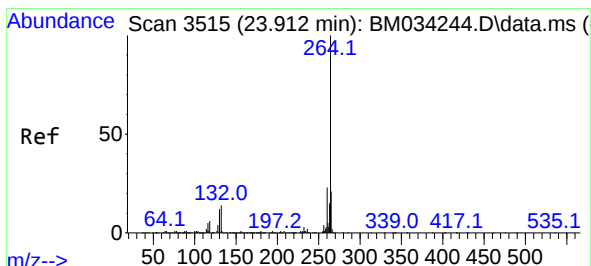
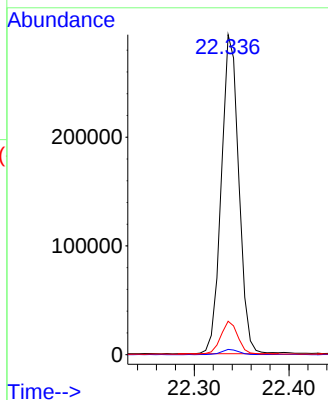
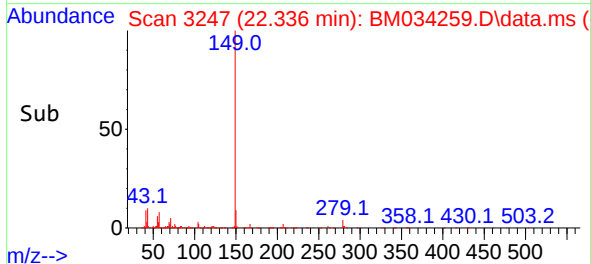
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



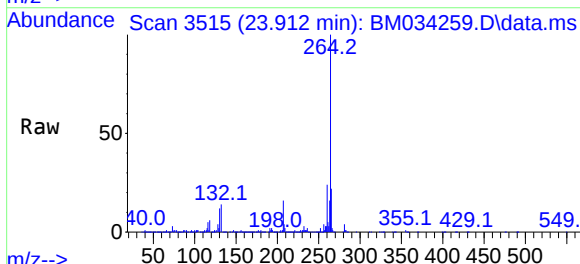
Tgt Ion:149 Resp: 37663
Ion Ratio Lower Upper
149 100
167 1.7 1.2 1.8
43 10.4 7.8 11.8

Manual Integrations
APPROVED

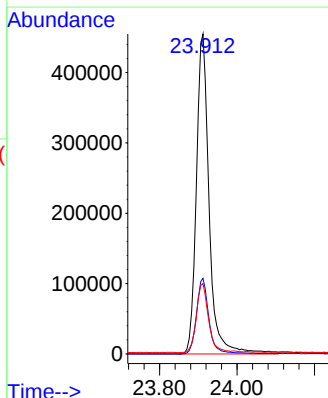
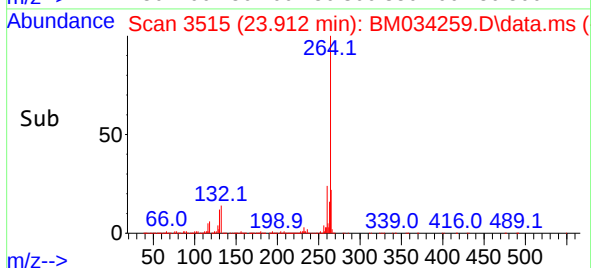
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022

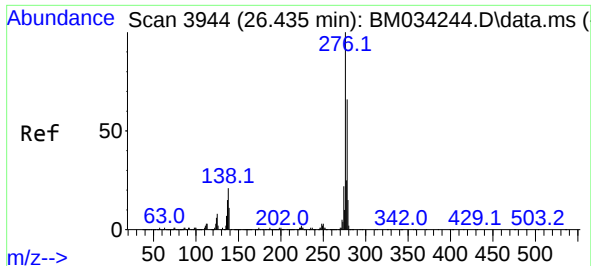


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.912 min Scan# 3515
Delta R.T. 0.000 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01



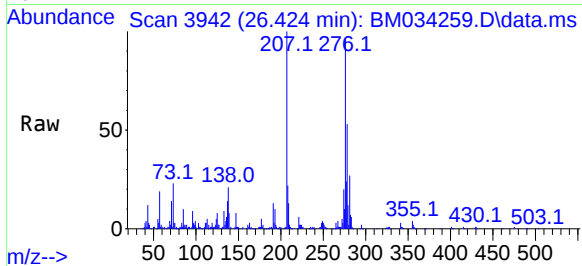
Tgt Ion:264 Resp: 1040805
Ion Ratio Lower Upper
264 100
260 23.6 18.6 28.0
265 22.0 17.6 26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.646 ng
RT: 26.424 min Scan# 3942
Delta R.T. -0.012 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

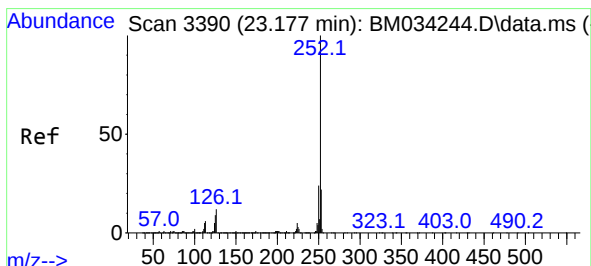
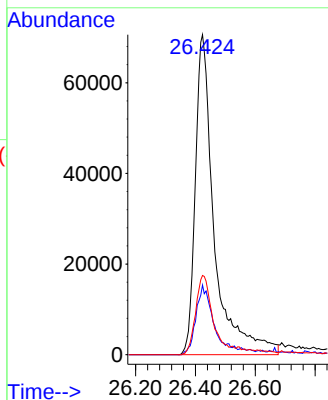
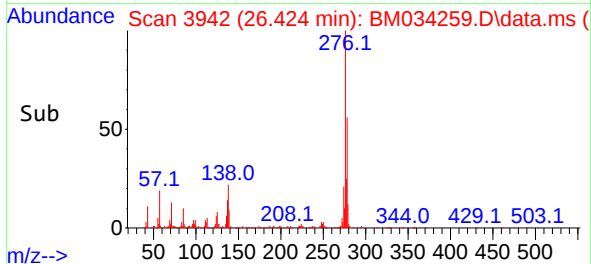
Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022



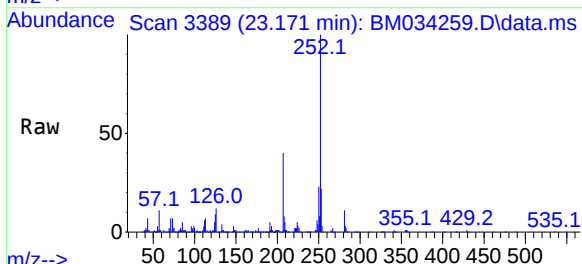
Tgt Ion: 276 Resp: 311050
Ion Ratio Lower Upper
276 100
138 20.3 16.6 25.0
277 22.7 19.8 29.6

Manual Integrations
APPROVED

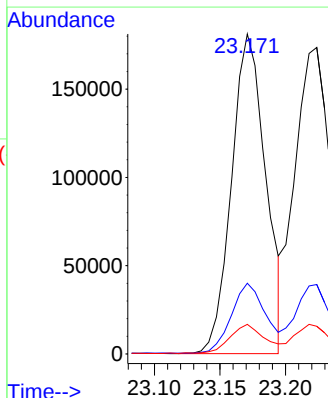
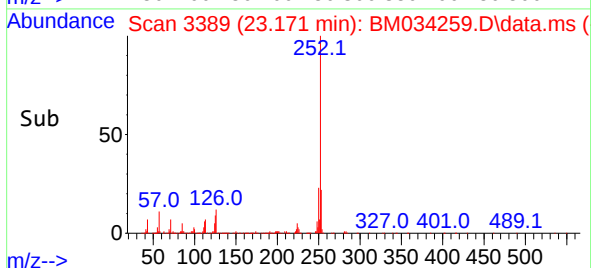
Reviewed By : Christian Giraldo 03/17/2022
Supervised By : Jagrut Upadhyay 03/17/2022

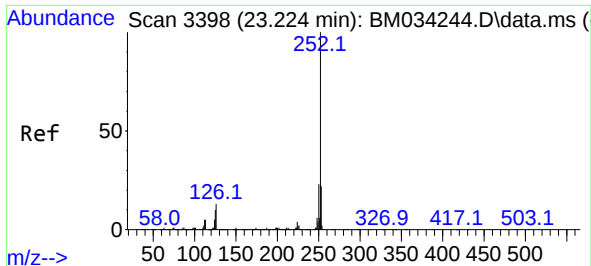


#88
Benzo(b)fluoranthene
Concen: 5.275 ng
RT: 23.171 min Scan# 3389
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01



Tgt Ion: 252 Resp: 328317
Ion Ratio Lower Upper
252 100
253 22.1 17.8 26.8
125 9.3 7.2 10.8





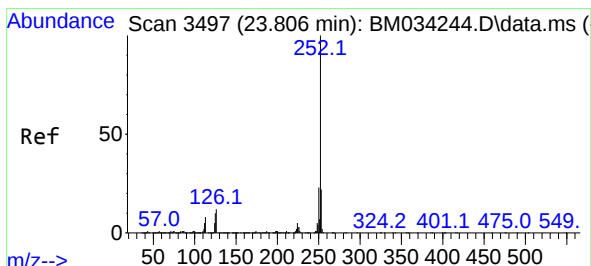
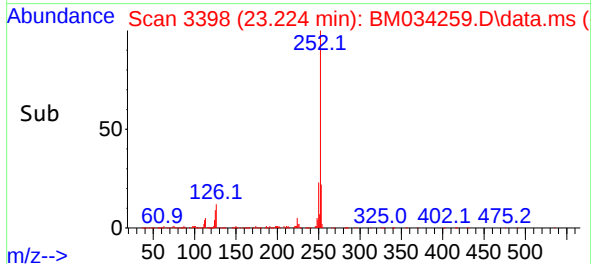
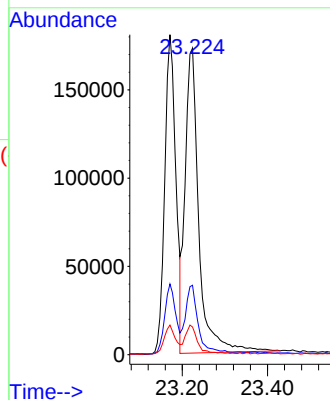
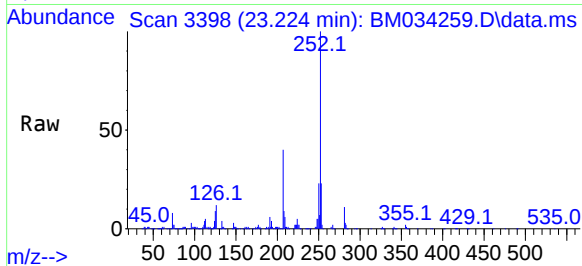
#89
Benzo(k)fluoranthene
Concen: 5.846 ng
RT: 23.224 min Scan# 31
Delta R.T. 0.000 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT1-2022

Tgt Ion:252 Resp: 38540
Ion Ratio Lower Upper
252 100
253 22.7 17.6 26.4
125 9.0 7.5 11.3

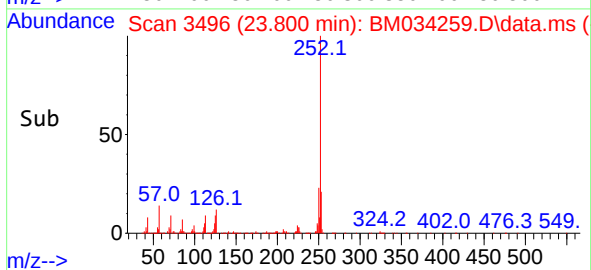
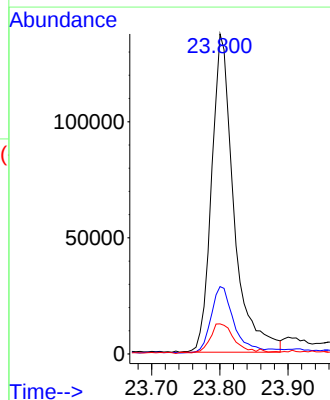
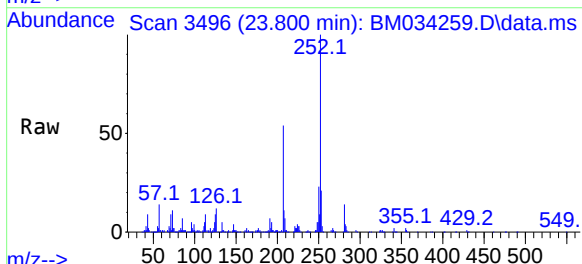
Manual Integrations
APPROVED

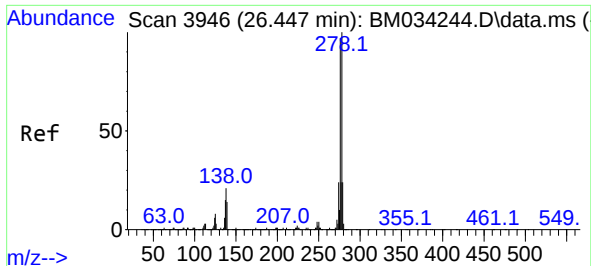
Reviewed By :Christian Giraldo 03/17/2022
Supervised By :Jagrut Upadhyay 03/17/2022



#90
Benzo(a)pyrene
Concen: 5.905 ng
RT: 23.800 min Scan# 3496
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

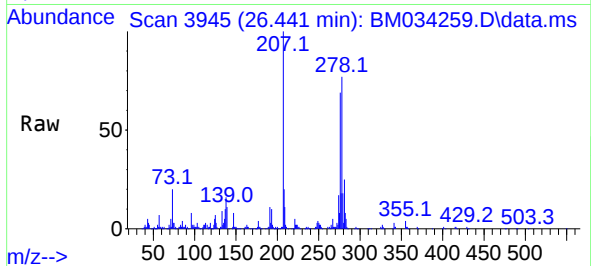
Tgt Ion:252 Resp: 311549
Ion Ratio Lower Upper
252 100
253 21.1 17.5 26.3
125 9.4 7.8 11.6





#91
Dibenzo(a,h)anthracene
Concen: 4.499 ng
RT: 26.441 min Scan# 3945
Delta R.T. -0.006 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01

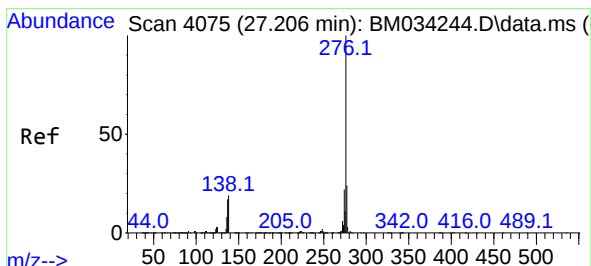
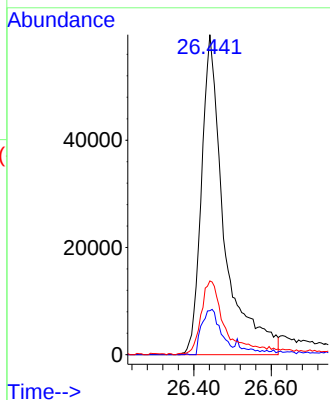
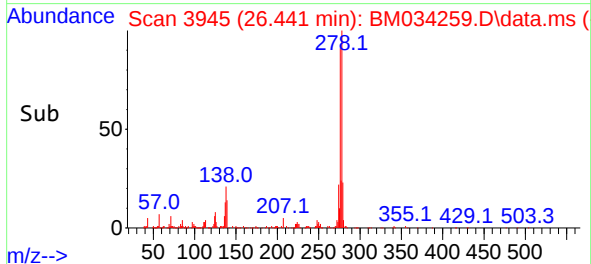
Instrument : BNA_M
ClientSampleId : LOQ-SOIL-02-QT1-2022



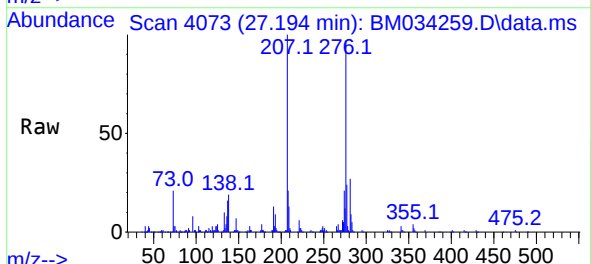
Tgt Ion: 278 Resp: 24426
Ion Ratio Lower Upper
278 100
139 13.7 11.2 16.8
279 23.0 19.2 28.8

Manual Integrations
APPROVED

Reviewed By : Christian Giraldo 03/17/2022
Supervised By : Jagrut Upadhyay 03/17/2022



#92
Benzo(g,h,i)perylene
Concen: 4.814 ng
RT: 27.194 min Scan# 4073
Delta R.T. -0.012 min
Lab File: BM034259.D
Acq: 16 Mar 2022 15:01



Tgt Ion: 276 Resp: 270529
Ion Ratio Lower Upper
276 100
277 24.4 19.0 28.4
138 20.1 15.6 23.4

