

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032222\
 Data File : BM034307.D
 Acq On : 22 Mar 2022 12:46
 Operator : CG/JU
 Sample : M4068-03
 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT4-2021

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 03/23/2022
 Supervised By : Jagrut Upadhyay 03/23/2022

Quant Time: Mar 22 14:40:09 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Mar 22 14:39:10 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.942	152	126572	20.000	ng	0.00
21) Naphthalene-d8	10.754	136	530862	20.000	ng	-0.01
39) Acenaphthene-d10	14.577	164	364708	20.000	ng	-0.01
64) Phenanthrene-d10	17.318	188	770186	20.000	ng	-0.01
76) Chrysene-d12	21.489	240	839130	20.000	ng	-0.01
86) Perylene-d12	23.900	264	900956	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.490	112	790851	112.091	ng	-0.01
7) Phenol-d6	7.095	99	1174876	116.304	ng	-0.01
23) Nitrobenzene-d5	9.101	82	938070	86.033	ng	-0.01
42) 2,4,6-Tribromophenol	16.065	330	570293	116.012	ng	0.00
45) 2-Fluorobiphenyl	13.213	172	2191405	82.108	ng	0.00
79) Terphenyl-d14	19.936	244	3682322	76.251	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.349	88	11164	3.497	ng	# 90
3) Pyridine	3.772	79	25641m	2.968	ng	
4) n-Nitrosodimethylamine	3.672	42	15544	3.790	ng	# 90
6) Aniline	7.260	93	44942	3.893	ng	97
8) 2-Chlorophenol	7.501	128	29304	3.551	ng	95
9) Benzaldehyde	7.072	77	29671m	5.452	ng	
10) Phenol	7.125	94	35259	3.509	ng	95
11) bis(2-Chloroethyl)ether	7.360	93	30876	3.744	ng	98
12) 1,3-Dichlorobenzene	7.831	146	34300	3.664	ng	96
13) 1,4-Dichlorobenzene	7.978	146	34589	3.609	ng	99
14) 1,2-Dichlorobenzene	8.295	146	33027	3.535	ng	97
15) Benzyl Alcohol	8.178	79	25678	3.194	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.478	45	43898	3.879	ng	98
17) 2-Methylphenol	8.384	107	22748	3.233	ng	90
18) Hexachloroethane	9.031	117	12522	3.543	ng	97
19) n-Nitroso-di-n-propyla...	8.748	70	25943	3.550	ng	# 93
20) 3+4-Methylphenols	8.707	107	31003	3.186	ng	89
22) Acetophenone	8.766	105	48377	3.551	ng	# 96
24) Nitrobenzene	9.142	77	43015m	4.225	ng	
25) Isophorone	9.672	82	66673	3.654	ng	98
26) 2-Nitrophenol	9.860	139	12232	2.710	ng	97
27) 2,4-Dimethylphenol	9.919	122	25775	3.646	ng	98
28) bis(2-Chloroethoxy)met...	10.160	93	39879	3.414	ng	97
29) 2,4-Dichlorophenol	10.401	162	22778	2.773	ng	96
30) 1,2,4-Trichlorobenzene	10.619	180	32455	3.476	ng	97
31) Naphthalene	10.801	128	100879	3.648	ng	99
33) 4-Chloroaniline	10.913	127	33804	3.099	ng	97
34) Hexachlorobutadiene	11.101	225	21029	3.556	ng	98
35) Caprolactam	11.660	113	7618	2.668	ng	# 83
36) 4-Chloro-3-methylphenol	12.030	107	27679	2.941	ng	98
37) 2-Methylnaphthalene	12.413	142	69726	3.533	ng	99
38) 1-Methylnaphthalene	12.630	142	70081	3.630	ng	99
40) 1,2,4,5-Tetrachloroben...	12.783	216	38346	3.484	ng	98
41) Hexachlorocyclopentadiene	12.766	237	21842	3.427	ng	98
43) 2,4,6-Trichlorophenol	13.019	196	19950	2.625	ng	99
44) 2,4,5-Trichlorophenol	13.089	196	23940	2.935	ng	91

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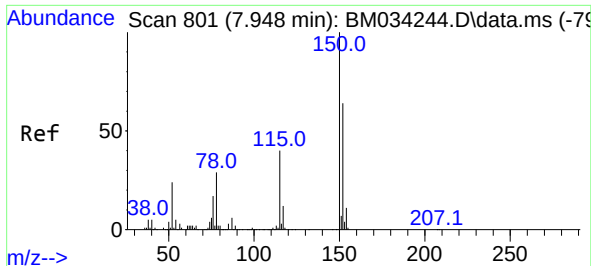
Quant Time: Mar 22 14:40:09 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
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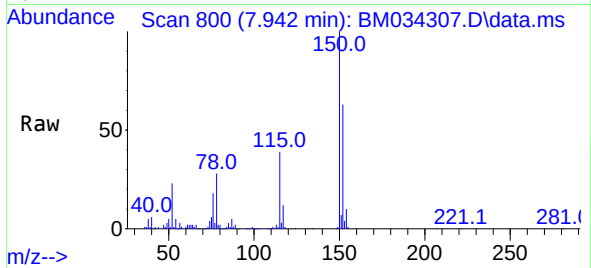
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.419	154	100818	3.625	ng	99
47) 2-Chloronaphthalene	13.460	162	74053	3.469	ng	96
48) 2-Nitroaniline	13.660	65	16633	2.549	ng	90
49) Acenaphthylene	14.301	152	116107	3.490	ng	98
50) Dimethylphthalate	14.036	163	95096	3.426	ng	100
51) 2,6-Dinitrotoluene	14.148	165	16890	2.967	ng	91
52) Acenaphthene	14.642	154	75539	3.371	ng	95
53) 3-Nitroaniline	14.477	138	12555	2.198	ng #	91
55) Dibenzofuran	14.977	168	114226	3.420	ng	98
57) 2,4-Dinitrotoluene	14.936	165	21500	2.794	ng #	98
58) Fluorene	15.624	166	91724	3.383	ng	96
59) 2,3,4,6-Tetrachlorophenol	15.201	232	21011	2.857	ng	95
60) Diethylphthalate	15.395	149	97730	3.432	ng	98
61) 4-Chlorophenyl-phenyle...	15.618	204	47543	3.435	ng	98
62) 4-Nitroaniline	15.630	138	11761m	2.140	ng	
63) Azobenzene	15.907	77	91365	3.327	ng	98
66) n-Nitrosodiphenylamine	15.830	169	78989	3.228	ng	98
67) 4-Bromophenyl-phenylether	16.512	248	29081	3.285	ng	96
68) Hexachlorobenzene	16.630	284	35236	3.568	ng	99
69) Atrazine	16.777	200	27445	3.403	ng	98
70) Pentachlorophenol	16.971	266	15990	2.532	ng	93
71) Phenanthrene	17.359	178	153002	3.547	ng	99
72) Anthracene	17.454	178	147034	3.502	ng	99
73) Carbazole	17.718	167	115446	2.949	ng	99
74) Di-n-butylphthalate	18.289	149	149282	3.067	ng	99
75) Fluoranthene	19.371	202	171341	3.544	ng	98
77) Benzidine	19.589	184	43976m	3.576	ng	
78) Pyrene	19.736	202	183703	3.107	ng	99
80) Butylbenzylphthalate	20.624	149	63528	2.541	ng	99
81) Benzo(a)anthracene	21.477	228	179302	3.385	ng	99
82) 3,3'-Dichlorobenzidine	21.412	252	54201	3.064	ng	96
83) Chrysene	21.524	228	186611	3.450	ng	97
84) Bis(2-ethylhexyl)phtha...	21.406	149	97707	2.646	ng	99
85) Di-n-octyl phthalate	22.330	149	170318	2.906	ng	99
87) Indeno(1,2,3-cd)pyrene	26.412	276	161302	2.783	ng	99
88) Benzo(b)fluoranthene	23.165	252	175124	3.251	ng	99
89) Benzo(k)fluoranthene	23.212	252	195741	3.430	ng	99
90) Benzo(a)pyrene	23.794	252	162302	3.554	ng	100
91) Dibenzo(a,h)anthracene	26.435	278	143810m	3.060	ng	
92) Benzo(g,h,i)perylene	27.176	276	167204	3.437	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.942 min Scan# 80
Delta R.T. -0.006 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

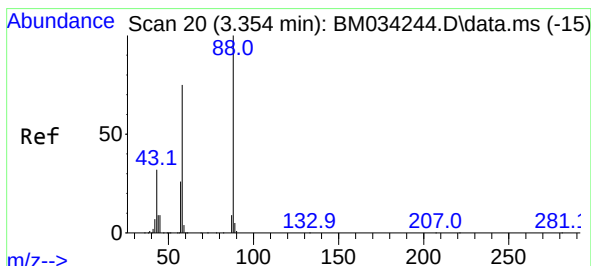
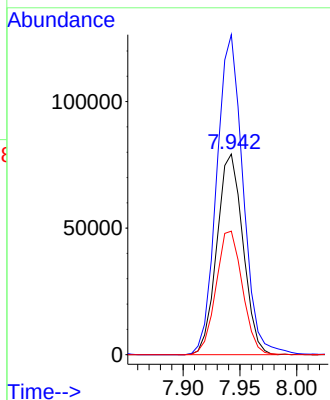
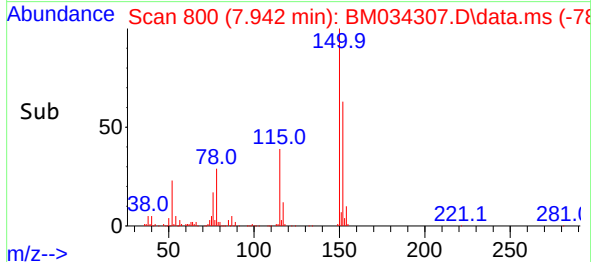
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021



Tgt Ion:152 Resp: 126572
Ion Ratio Lower Upper
152 100
150 159.5 125.4 188.2
115 61.6 50.1 75.1

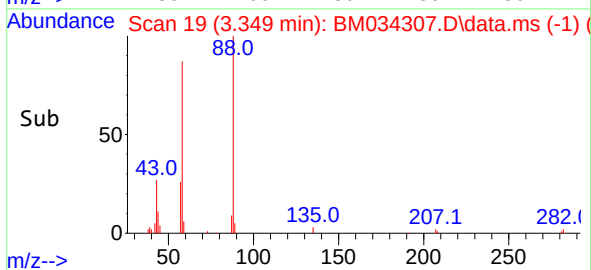
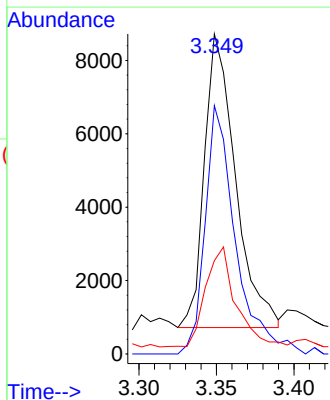
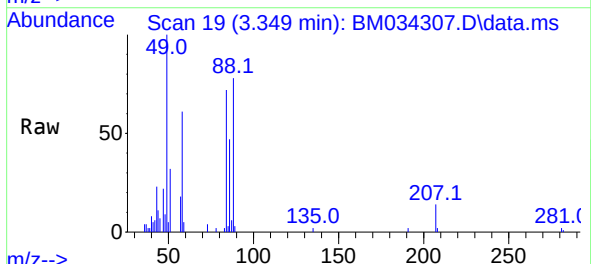
Manual Integrations
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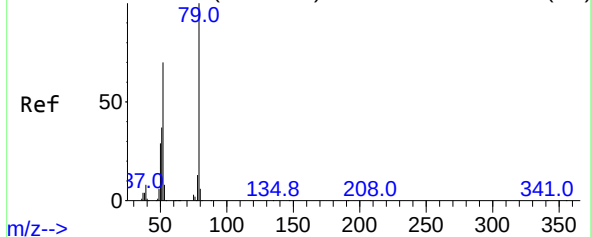


#2
1,4-Dioxane
Concen: 3.497 ng
RT: 3.349 min Scan# 19
Delta R.T. -0.006 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Tgt Ion: 88 Resp: 11164
Ion Ratio Lower Upper
88 100
58 83.3 60.4 90.6
43 38.3 25.4 38.0#



Abundance Scan 90 (3.766 min): BM034244.D\data.ms (-83)



#3

Pyridine

Concen: 2.968 ng m

RT: 3.772 min Scan# 91

Delta R.T. 0.006 min

Lab File: BM034307.D

Acq: 22 Mar 2022 12:46

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2021

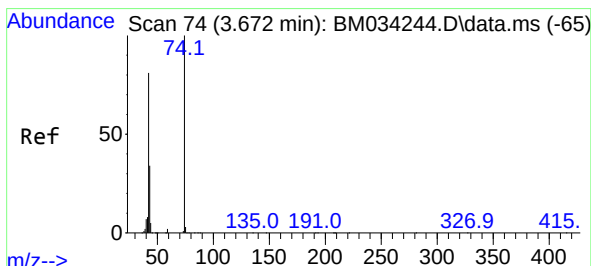
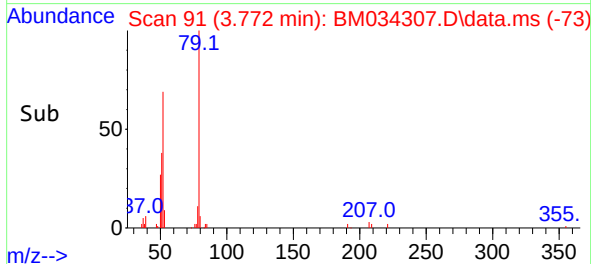
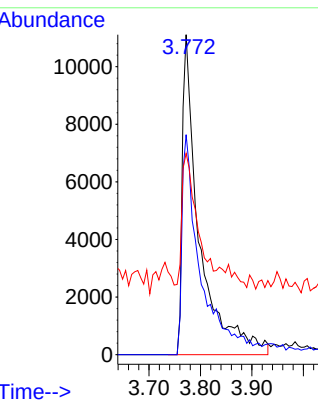
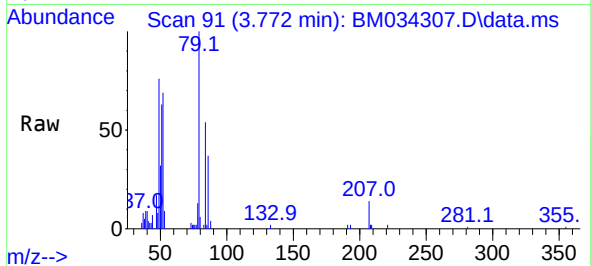
Tgt Ion:	79	Resp:	2564
Ion	Ratio	Lower	Upper
79	100		
52	68.7	56.1	84.1
51	62.9	30.4	45.6

Manual Integrations

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#4

n-Nitrosodimethylamine

Concen: 3.790 ng

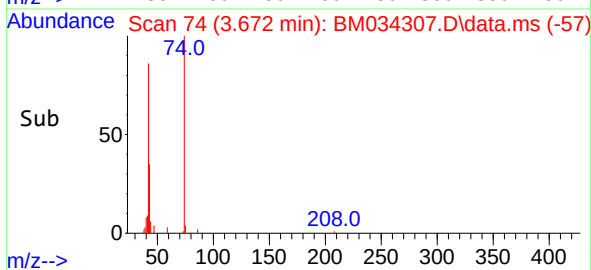
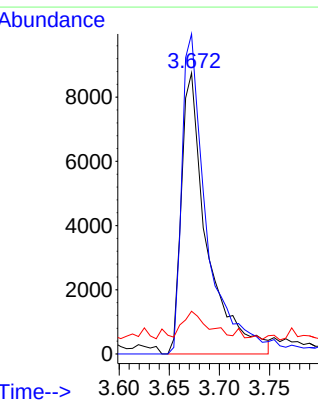
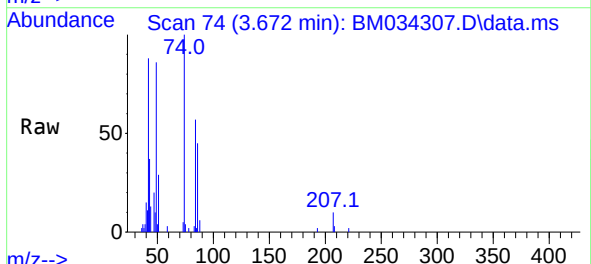
RT: 3.672 min Scan# 74

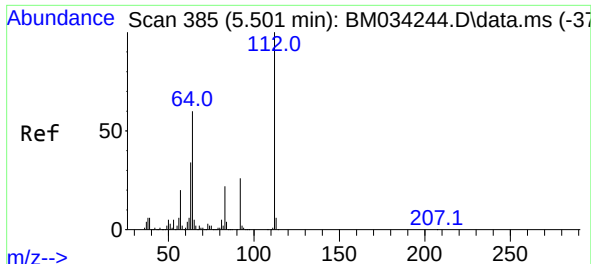
Delta R.T. 0.000 min

Lab File: BM034307.D

Acq: 22 Mar 2022 12:46

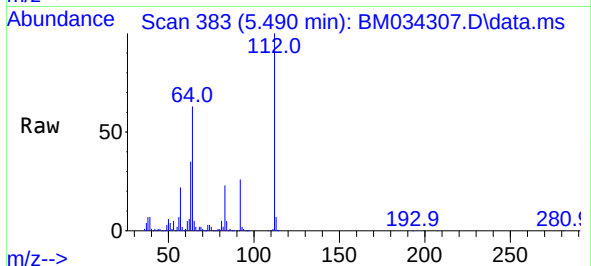
Tgt Ion:	42	Resp:	15544
Ion	Ratio	Lower	Upper
42	100		
74	113.9	99.3	148.9
44	15.2	5.0	7.6





#5
2-Fluorophenol
Concen: 112.091 ng
RT: 5.490 min Scan# 385
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

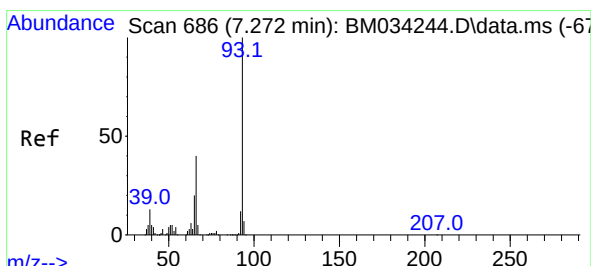
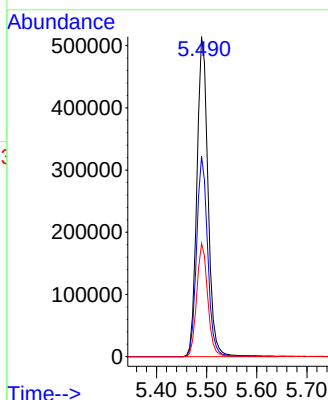
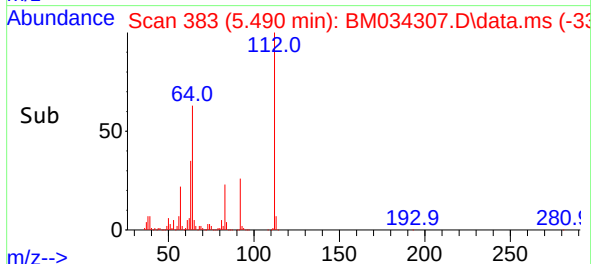
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021



Tgt Ion: 112 Resp: 79085
Ion Ratio Lower Upper
112 100
64 62.6 47.9 71.9
63 35.4 27.1 40.7

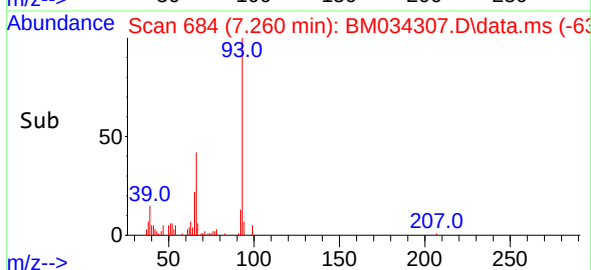
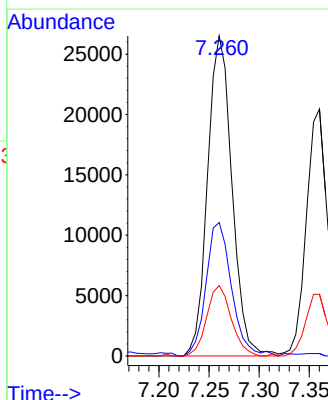
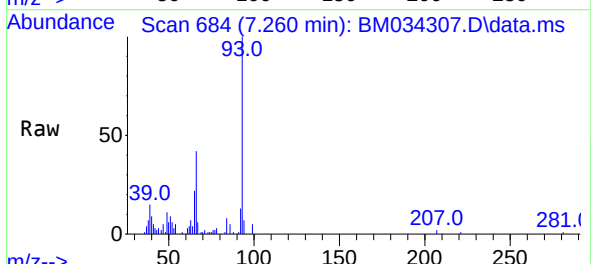
Manual Integrations
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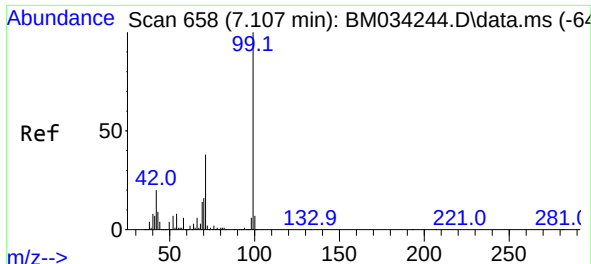
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#6
Aniline
Concen: 3.893 ng
RT: 7.260 min Scan# 684
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

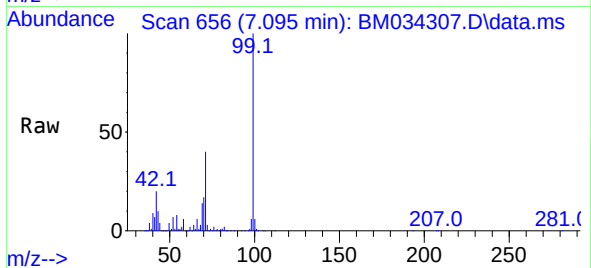
Tgt Ion: 93 Resp: 44942
Ion Ratio Lower Upper
93 100
66 41.7 31.9 47.9
65 22.0 16.2 24.4





#7
Phenol-d6
Concen: 116.304 ng
RT: 7.095 min Scan# 61
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

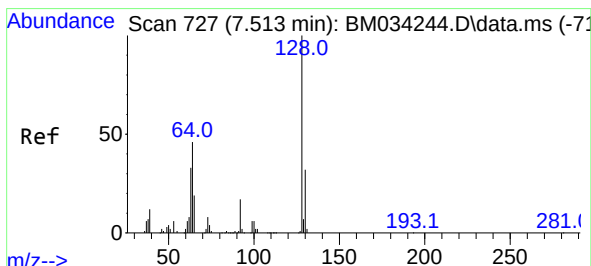
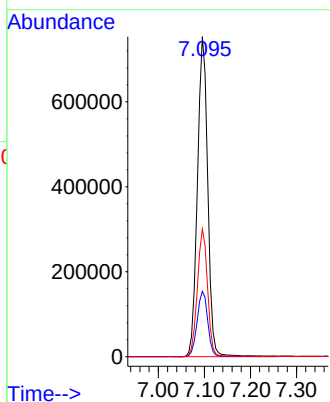
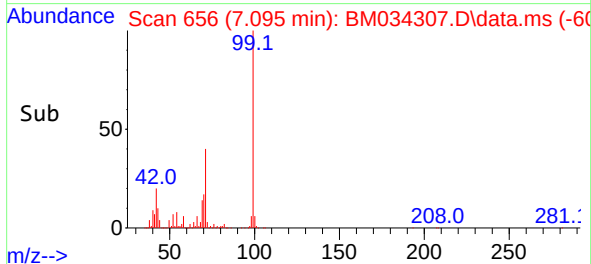
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021



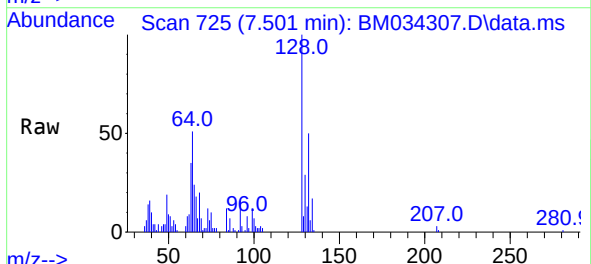
Tgt Ion: 99 Resp: 1174870
Ion Ratio Lower Upper
99 100
42 20.5 15.6 23.4
71 39.9 30.6 46.0

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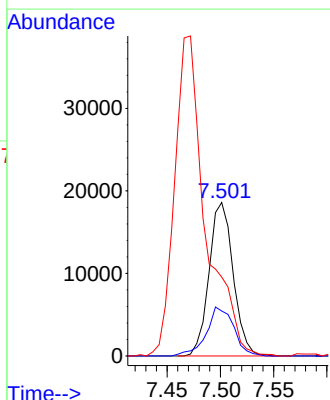
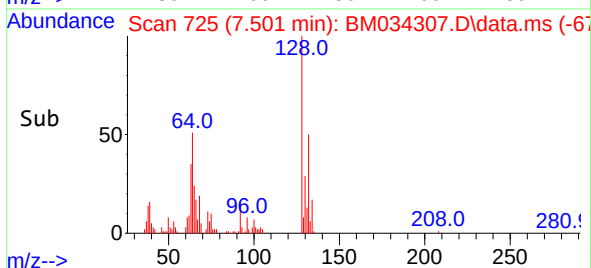
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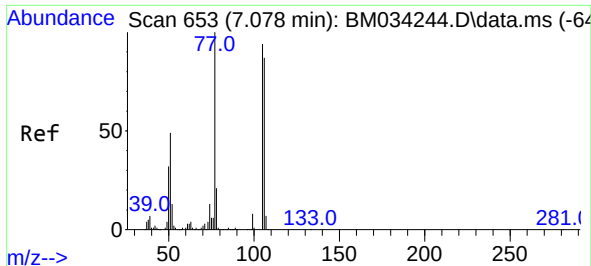


#8
2-Chlorophenol
Concen: 3.551 ng
RT: 7.501 min Scan# 725
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46



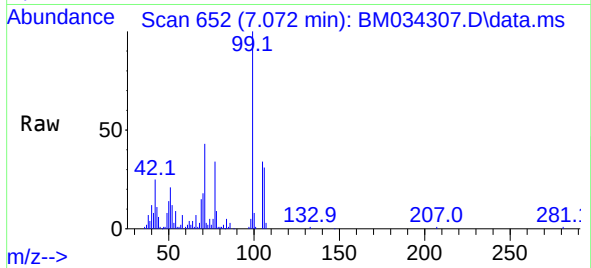
Tgt Ion:128 Resp: 29304
Ion Ratio Lower Upper
128 100
130 29.3 12.3 52.3
64 51.4 28.1 68.1





#9
Benzaldehyde
Concen: 5.452 ng m
RT: 7.072 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

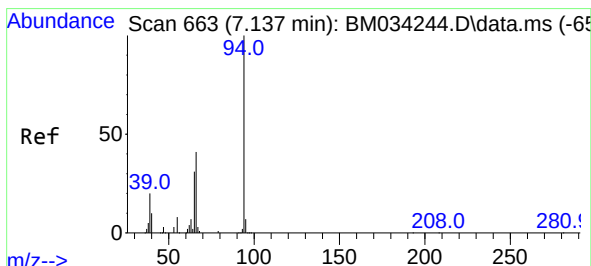
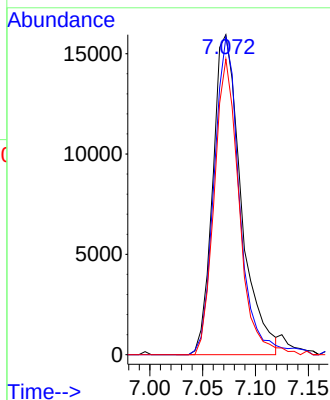
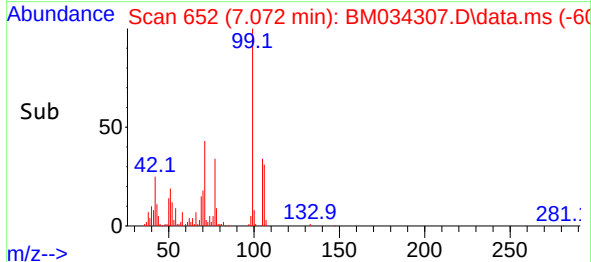
Instrument :
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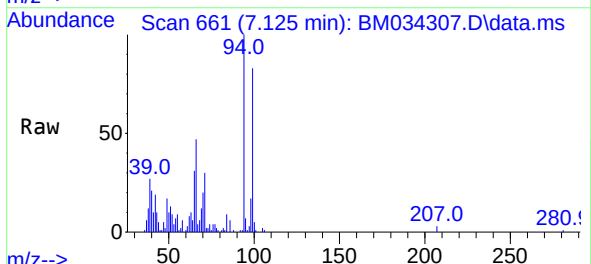
Tgt Ion: 77 Resp: 2967
Ion Ratio Lower Upper
77 100
105 99.2 73.9 113.9
106 92.3 67.2 107.2

Manual Integrations
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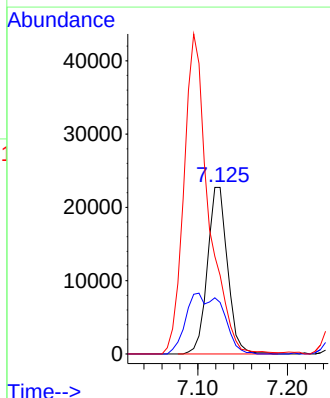
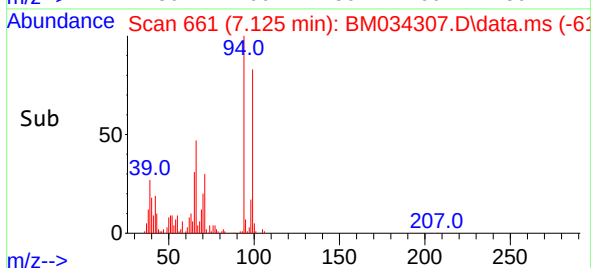
Reviewed By :Christian Giraldo 03/23/2022
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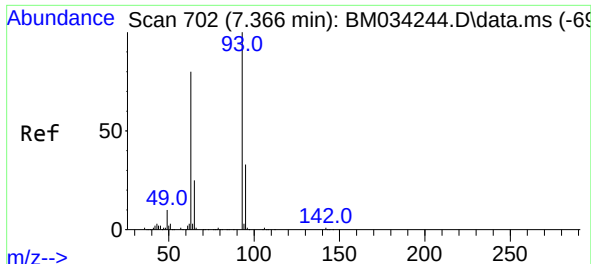


#10
Phenol
Concen: 3.509 ng
RT: 7.125 min Scan# 661
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46



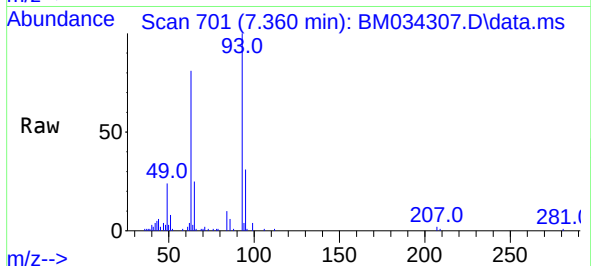
Tgt Ion: 94 Resp: 35259
Ion Ratio Lower Upper
94 100
65 30.9 10.9 50.9
66 47.2 22.0 62.0





#11
bis(2-Chloroethyl)ether
Concen: 3.744 ng
RT: 7.360 min Scan# 702
Delta R.T. -0.006 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

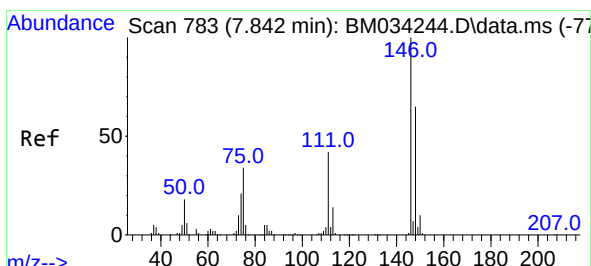
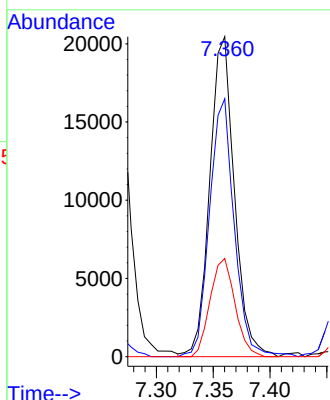
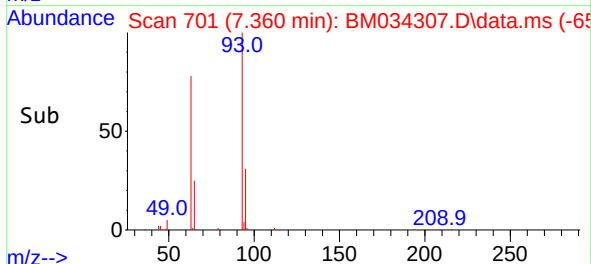
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021



Tgt Ion: 93 Resp: 30870
Ion Ratio Lower Upper
93 100
63 80.6 59.6 99.6
95 30.7 12.6 52.6

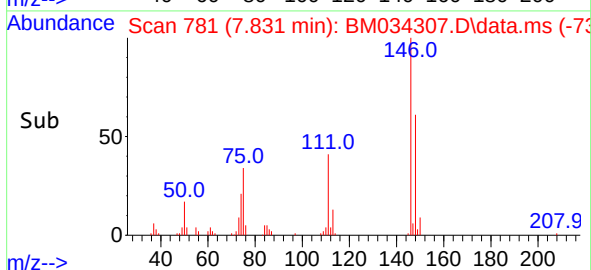
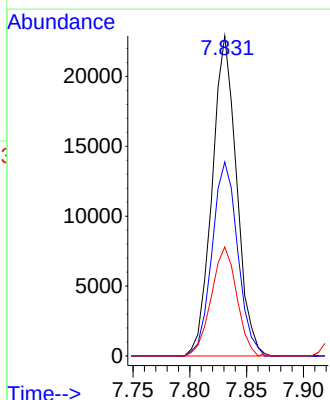
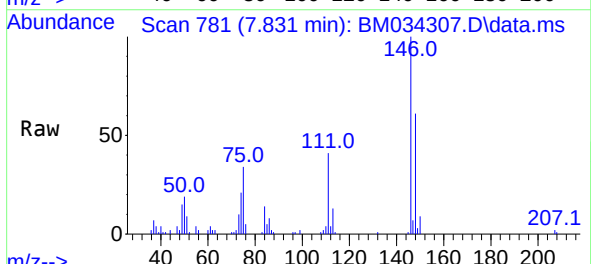
Manual Integrations
APPROVED

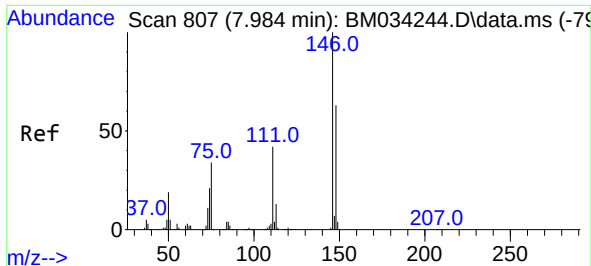
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#12
1,3-Dichlorobenzene
Concen: 3.664 ng
RT: 7.831 min Scan# 781
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

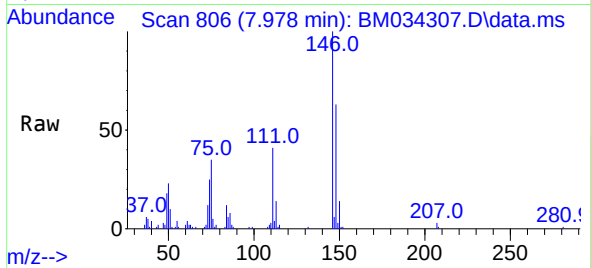
Tgt Ion:146 Resp: 34300
Ion Ratio Lower Upper
146 100
148 60.6 51.8 77.8
75 34.0 27.1 40.7





#13
1,4-Dichlorobenzene
Concen: 3.609 ng
RT: 7.978 min Scan# 807
Delta R.T. -0.006 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

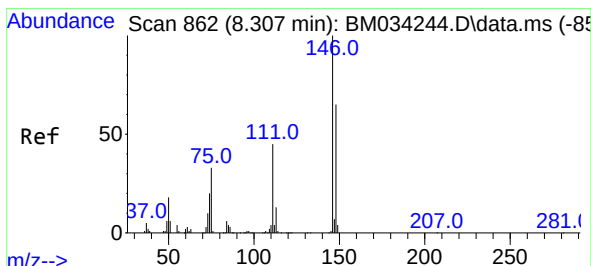
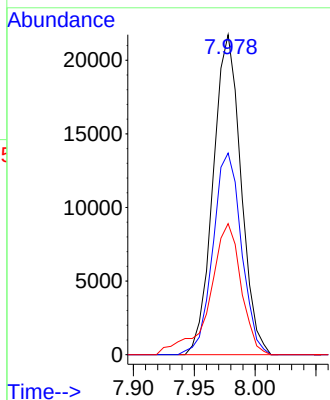
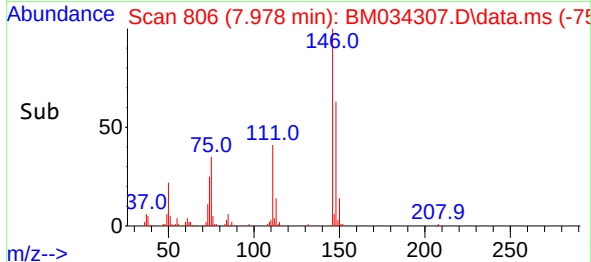
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021



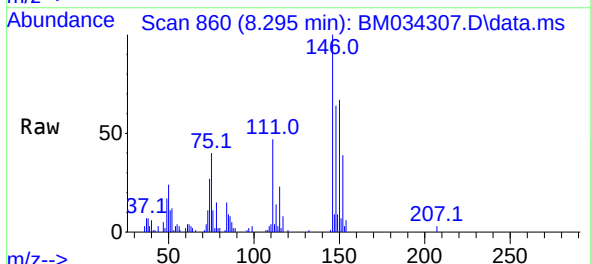
Tgt Ion:146 Resp: 34589
Ion Ratio Lower Upper
146 100
148 63.0 50.6 76.0
111 41.0 34.0 51.0

Manual Integrations
APPROVED

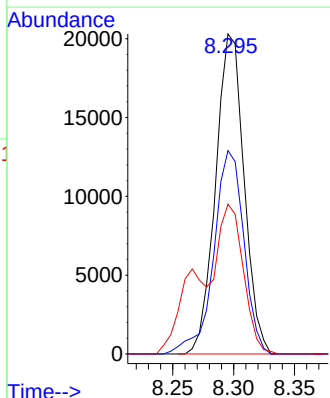
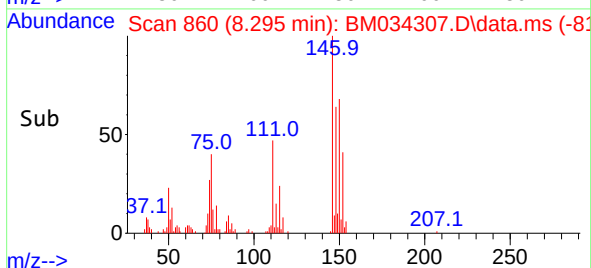
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

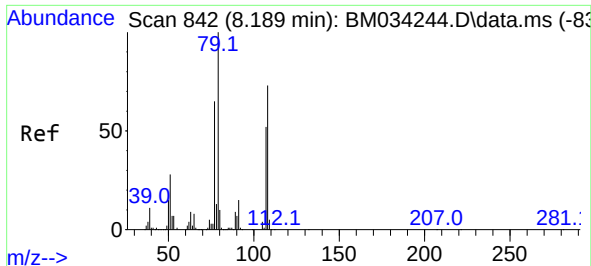


#14
1,2-Dichlorobenzene
Concen: 3.535 ng
RT: 8.295 min Scan# 860
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46



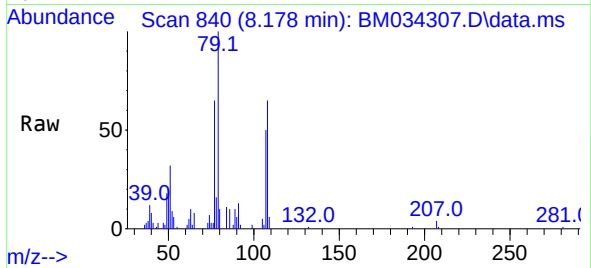
Tgt Ion:146 Resp: 33027
Ion Ratio Lower Upper
146 100
148 63.6 52.2 78.4
111 46.8 35.8 53.8





#15
Benzyl Alcohol
Concen: 3.194 ng
RT: 8.178 min Scan# 84
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

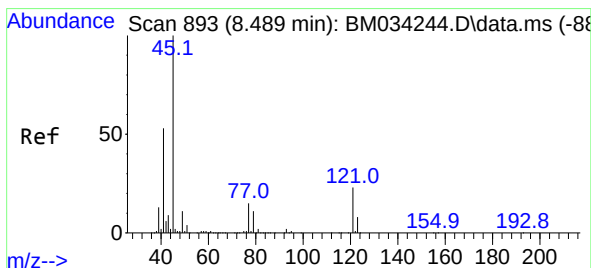
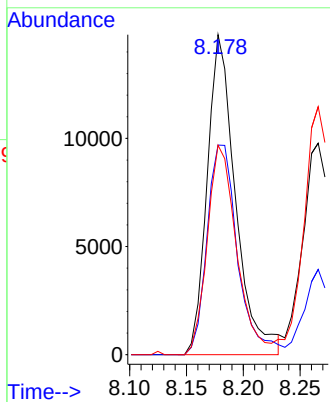
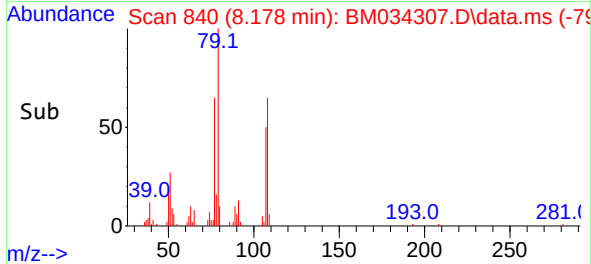
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021



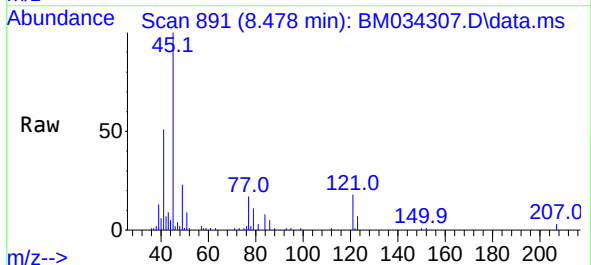
Tgt Ion: 79 Resp: 25678
Ion Ratio Lower Upper
79 100
108 65.5 58.1 87.1
77 65.5 51.8 77.6

Manual Integrations
APPROVED

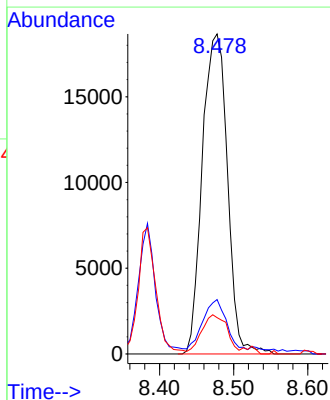
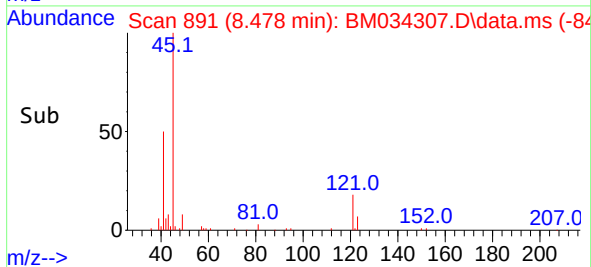
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

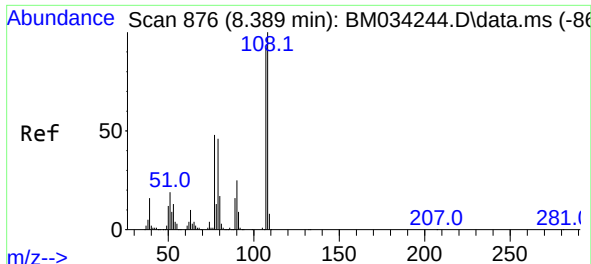


#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.879 ng
RT: 8.478 min Scan# 891
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46



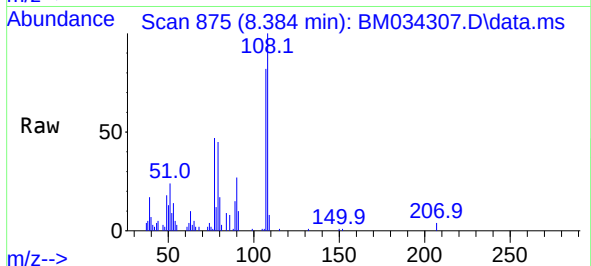
Tgt Ion: 45 Resp: 43898
Ion Ratio Lower Upper
45 100
77 17.0 0.0 35.7
79 11.3 0.0 31.7





#17
2-Methylphenol
Concen: 3.233 ng
RT: 8.384 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

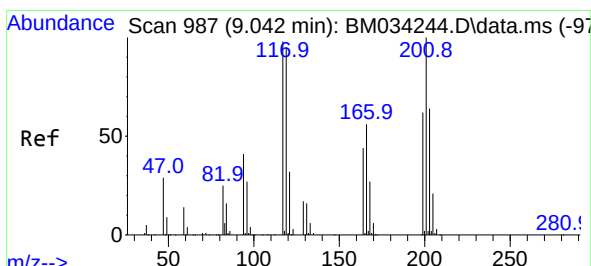
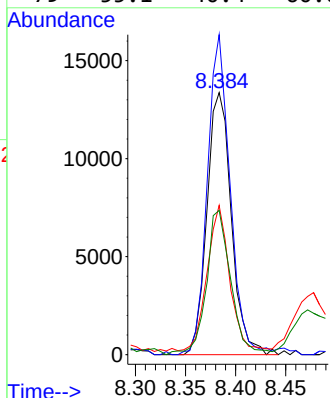
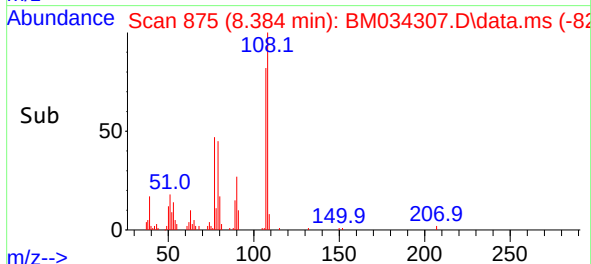
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021



Tgt Ion:	107	Resp:	2274
Ion	Ratio	Lower	Upper
107	100		
108	122.1	87.3	130.9
77	56.9	41.6	62.4
79	55.1	40.4	60.6

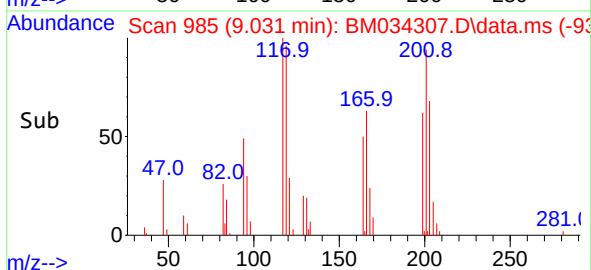
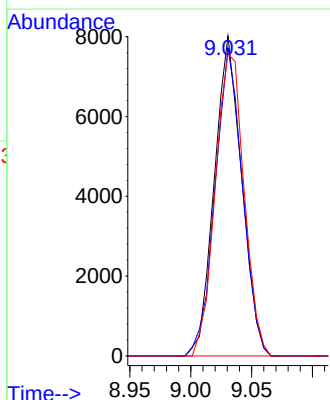
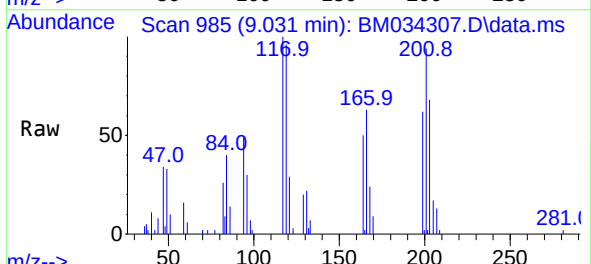
Manual Integrations
APPROVED

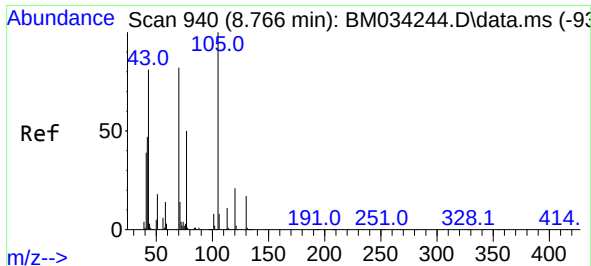
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#18
Hexachloroethane
Concen: 3.543 ng
RT: 9.031 min Scan# 985
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

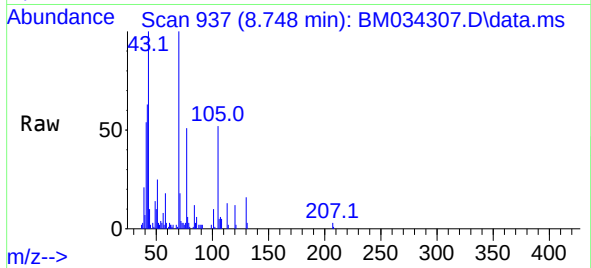
Tgt Ion:	117	Resp:	12522
Ion	Ratio	Lower	Upper
117	100		
119	96.3	77.4	116.0
201	96.9	81.6	122.4





#19
n-Nitroso-di-n-propylamine
Concen: 3.550 ng
RT: 8.748 min Scan# 91
Delta R.T. -0.018 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

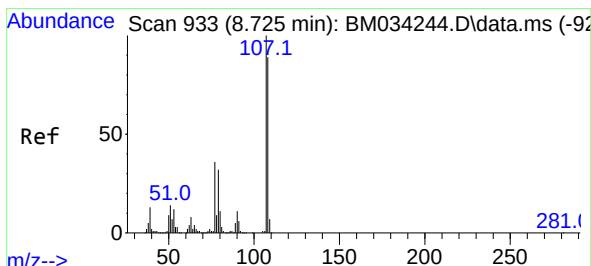
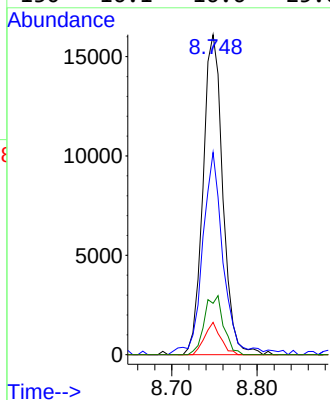
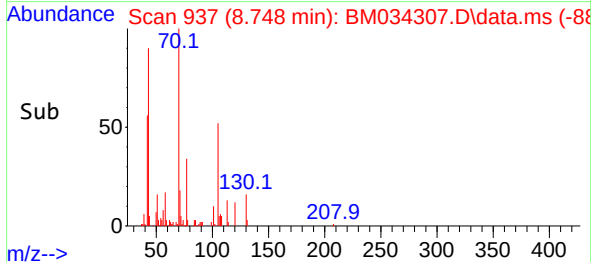
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021



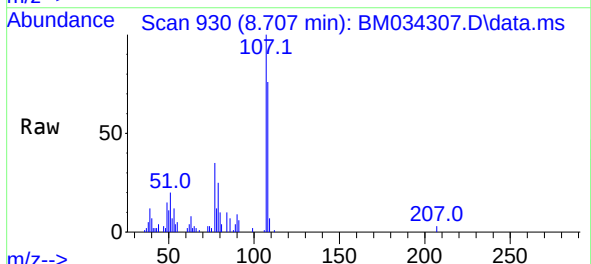
Tgt Ion: 70 Resp: 2594
Ion Ratio Lower Upper
70 100
42 63.2 46.7 70.1
101 10.1 7.8 11.6
130 16.1 16.6 25.0#

Manual Integrations
APPROVED

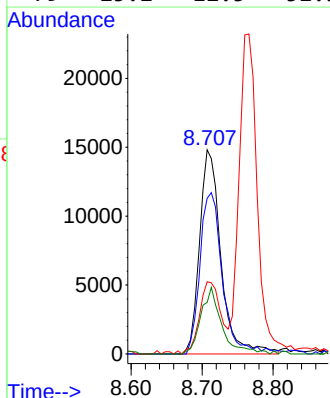
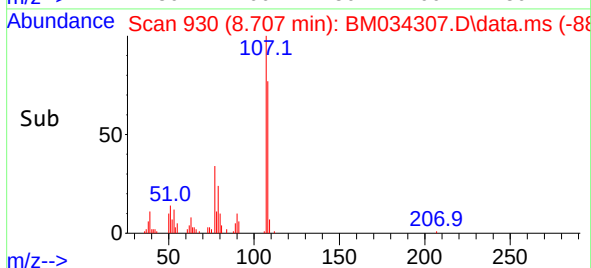
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

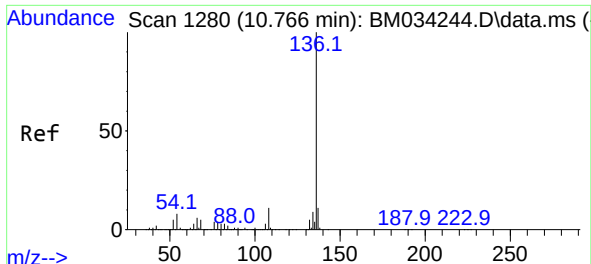


#20
3+4-Methylphenols
Concen: 3.186 ng
RT: 8.707 min Scan# 930
Delta R.T. -0.018 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46



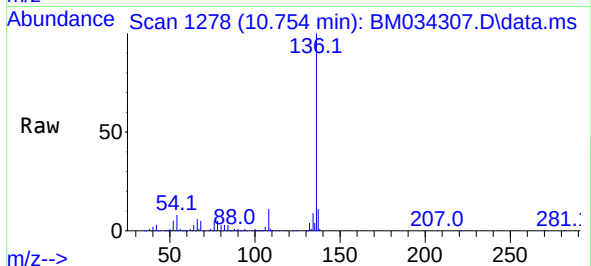
Tgt Ion:107 Resp: 31003
Ion Ratio Lower Upper
107 100
108 76.2 69.2 109.2
77 35.4 16.5 56.5
79 25.2 12.5 52.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.754 min Scan# 1
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

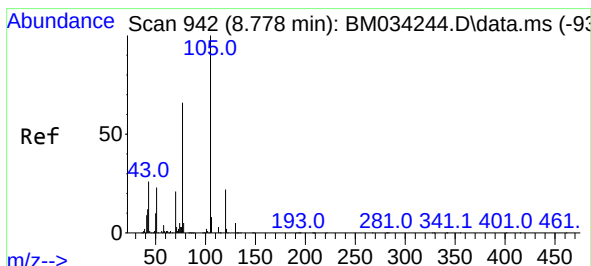
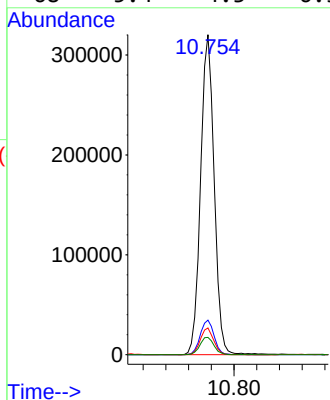
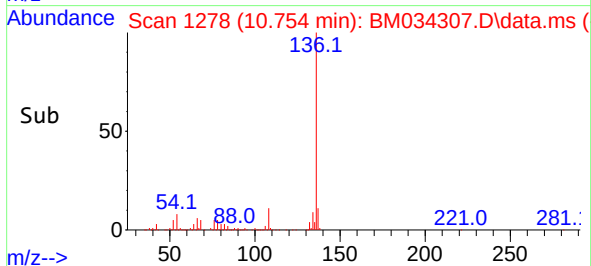
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021



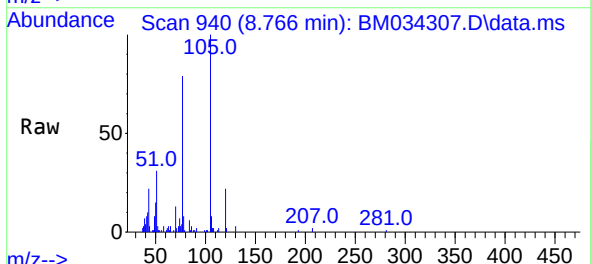
Tgt Ion:136 Resp: 530862
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.4 6.2 9.4
68 5.4 4.3 6.5

Manual Integrations
APPROVED

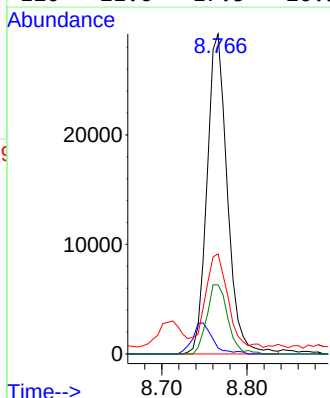
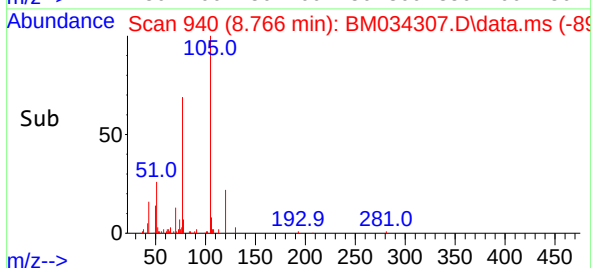
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

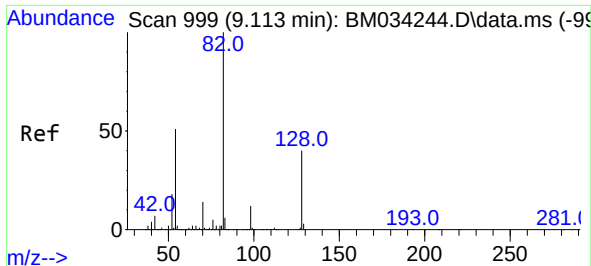


#22
Acetophenone
Concen: 3.551 ng
RT: 8.766 min Scan# 940
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46



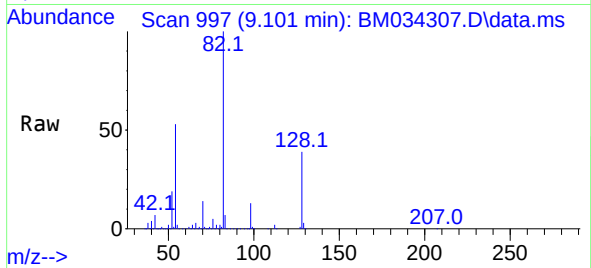
Tgt Ion:105 Resp: 48377
Ion Ratio Lower Upper
105 100
71 1.8 3.0 4.4#
51 31.3 22.6 33.8
120 21.6 17.5 26.3





#23
Nitrobenzene-d5
Concen: 86.033 ng
RT: 9.101 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

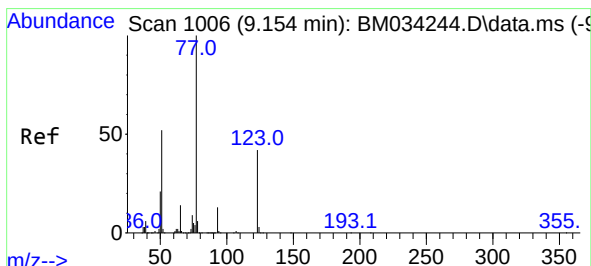
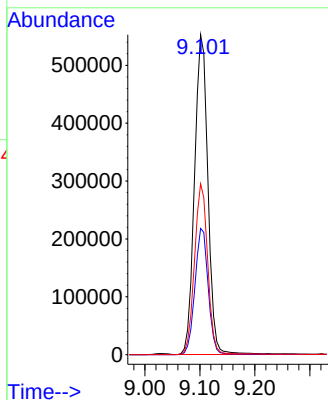
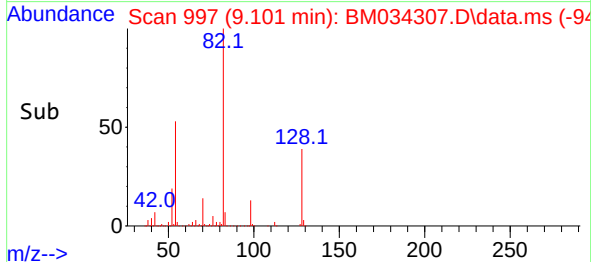
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021



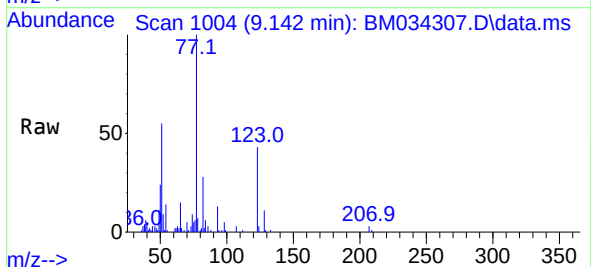
Tgt Ion: 82 Resp: 938070
Ion Ratio Lower Upper
82 100
128 39.4 31.9 47.9
54 53.4 40.6 61.0

Manual Integrations
APPROVED

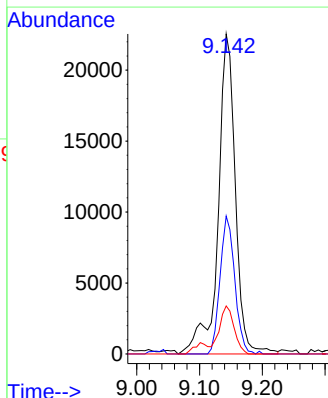
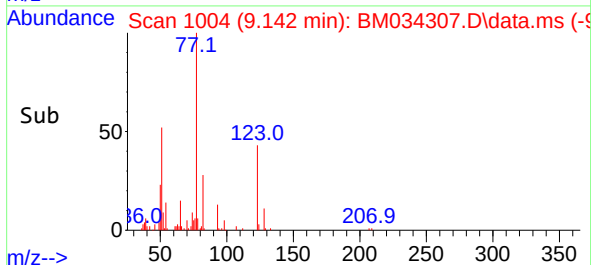
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

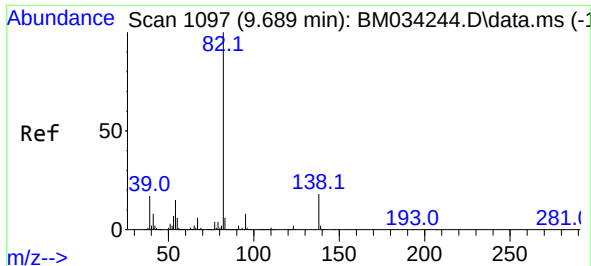


#24
Nitrobenzene
Concen: 4.225 ng m
RT: 9.142 min Scan# 1004
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46



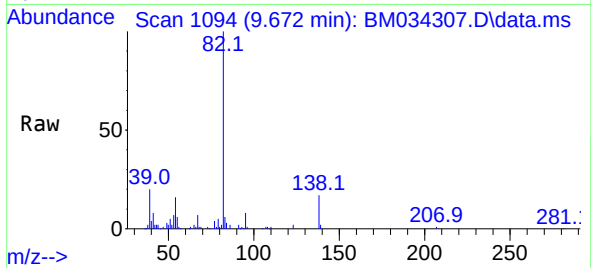
Tgt Ion: 77 Resp: 43015
Ion Ratio Lower Upper
77 100
123 43.1 33.3 49.9
65 15.0 11.0 16.4





#25
Isophorone
Concen: 3.654 ng
RT: 9.672 min Scan# 1094
Delta R.T. -0.018 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

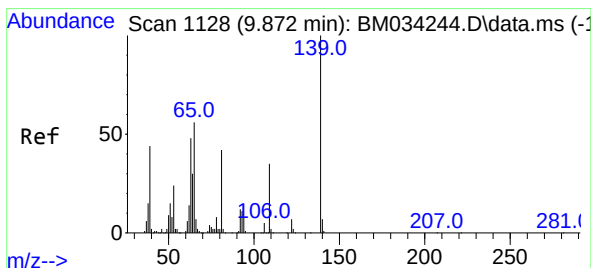
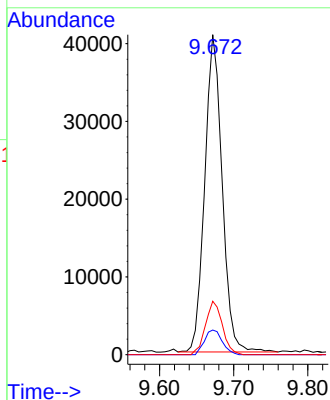
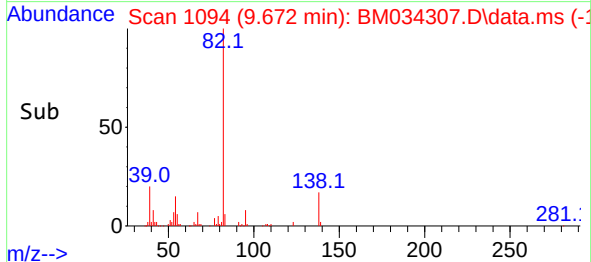
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021



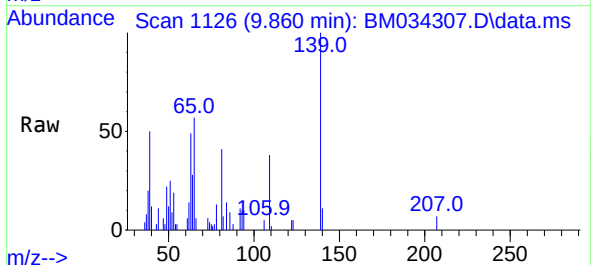
Tgt Ion: 82 Resp: 6667
Ion Ratio Lower Upper
82 100
95 7.7 6.6 9.8
138 16.7 14.4 21.6

Manual Integrations
APPROVED

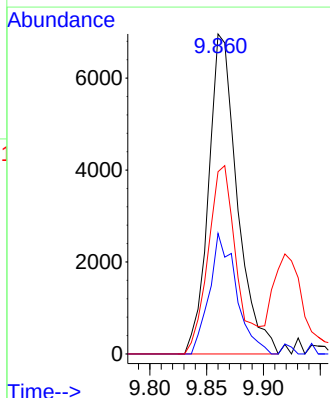
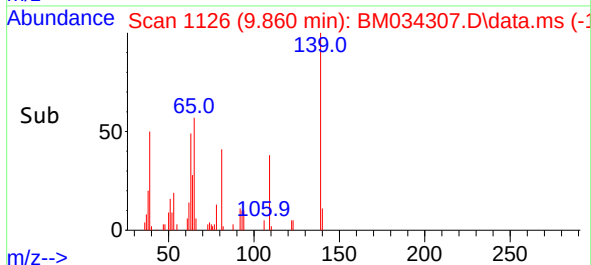
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

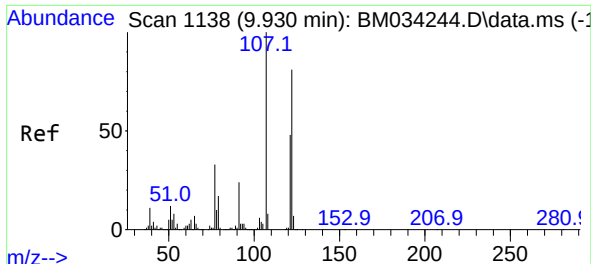


#26
2-Nitrophenol
Concen: 2.710 ng
RT: 9.860 min Scan# 1126
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46



Tgt Ion:139 Resp: 12232
Ion Ratio Lower Upper
139 100
109 37.7 28.1 42.1
65 56.9 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 3.646 ng

RT: 9.919 min Scan# 1138

Delta R.T. -0.012 min

Lab File: BM034307.D

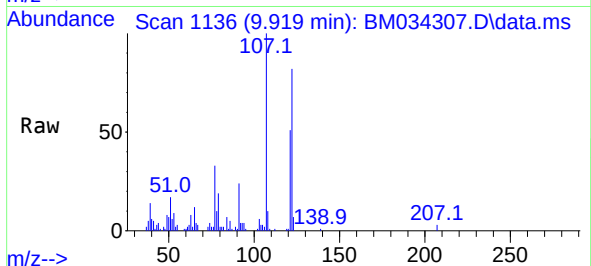
Acq: 22 Mar 2022 12:46

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2021



Tgt Ion:122 Resp: 25779

Ion Ratio Lower Upper

122 100

107 122.4 99.0 148.6

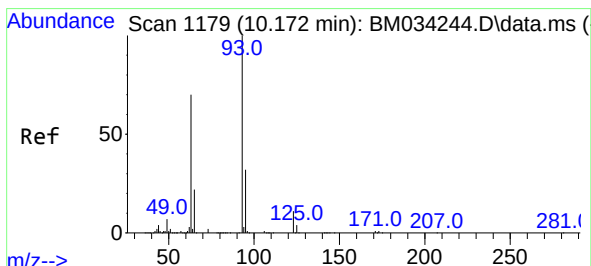
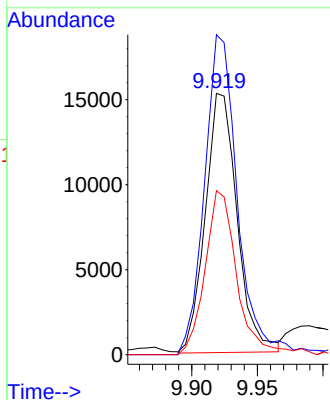
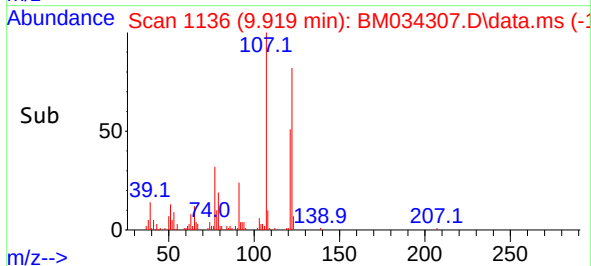
121 62.7 47.7 71.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/23/2022

Supervised By :Jagrut Upadhyay 03/23/2022



#28

bis(2-Chloroethoxy)methane

Concen: 3.414 ng

RT: 10.160 min Scan# 1177

Delta R.T. -0.012 min

Lab File: BM034307.D

Acq: 22 Mar 2022 12:46

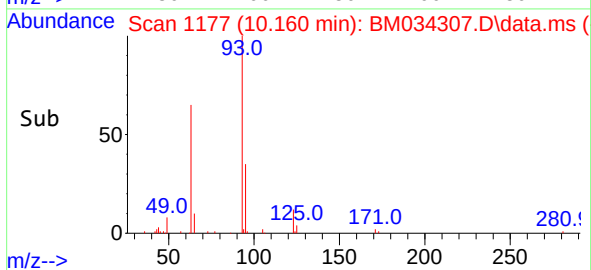
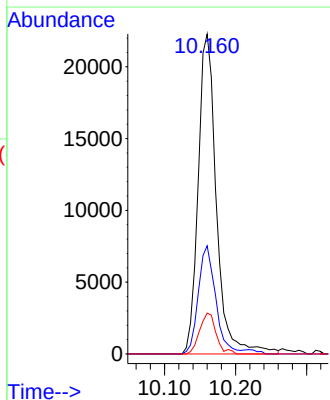
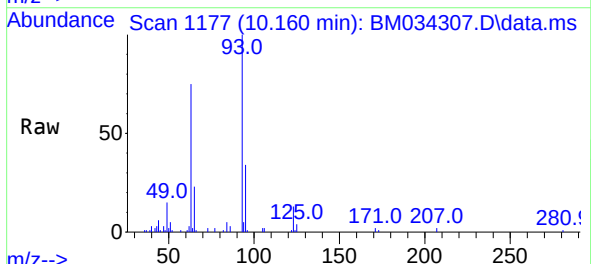
Tgt Ion: 93 Resp: 39879

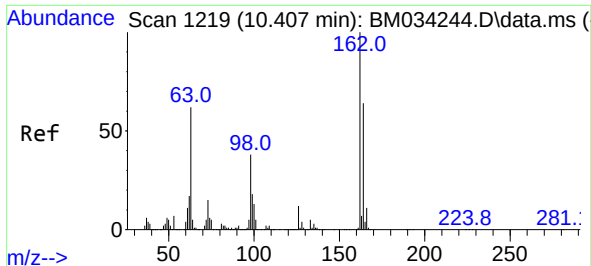
Ion Ratio Lower Upper

93 100

95 33.8 26.0 39.0

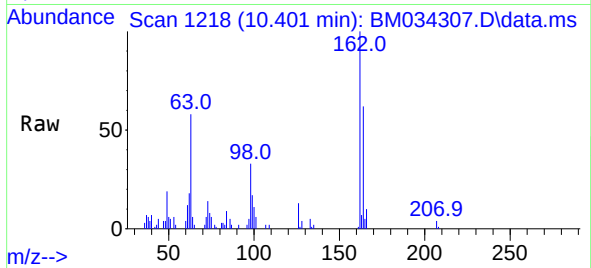
123 12.7 9.0 13.4





#29
2,4-Dichlorophenol
Concen: 2.773 ng
RT: 10.401 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

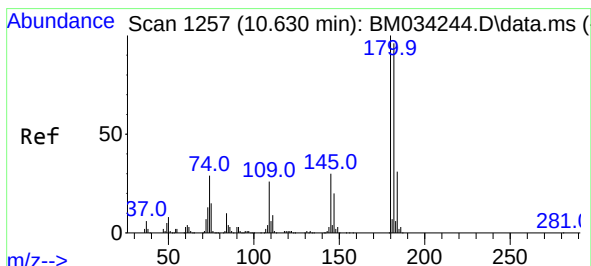
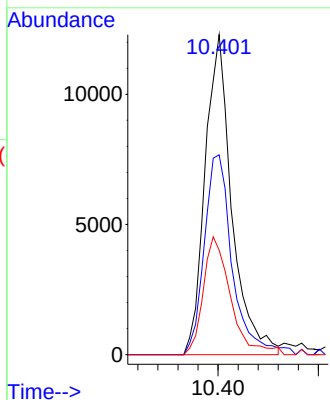
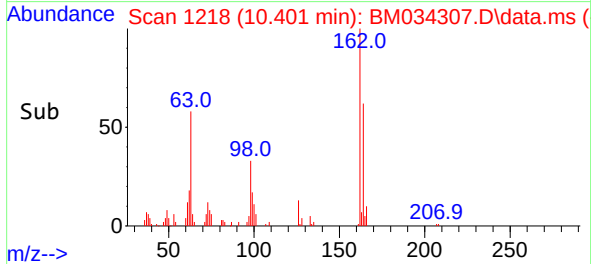
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021



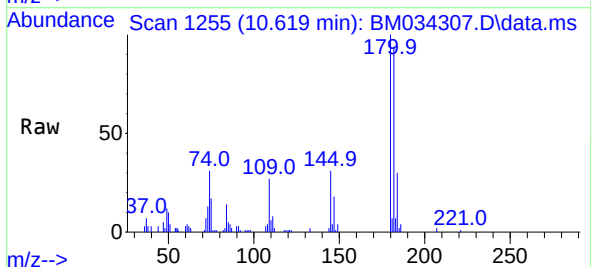
Tgt Ion:162 Resp: 22778
Ion Ratio Lower Upper
162 100
164 62.5 43.9 83.9
98 32.7 17.6 57.6

Manual Integrations
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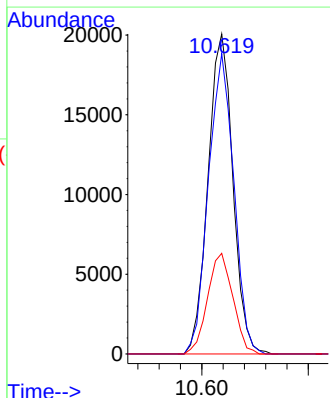
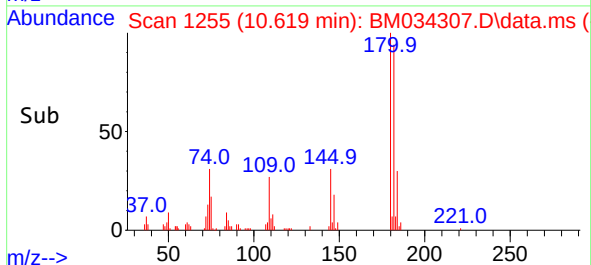
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

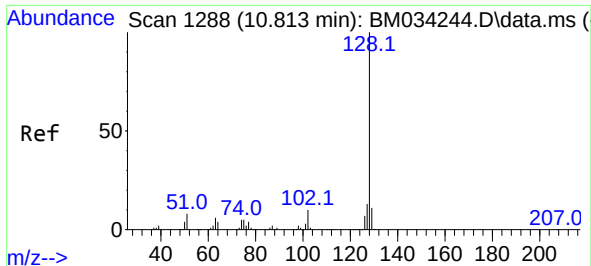


#30
1,2,4-Trichlorobenzene
Concen: 3.476 ng
RT: 10.619 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46



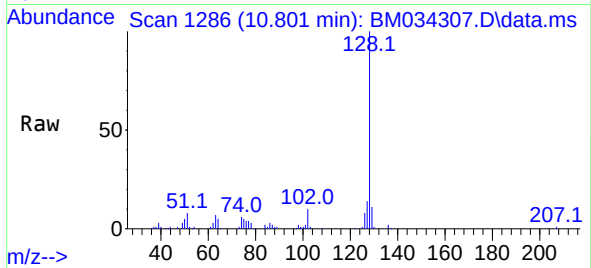
Tgt Ion:180 Resp: 32455
Ion Ratio Lower Upper
180 100
182 93.9 77.0 115.4
145 31.4 23.7 35.5





#31
Naphthalene
Concen: 3.648 ng
RT: 10.801 min Scan# 1305
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

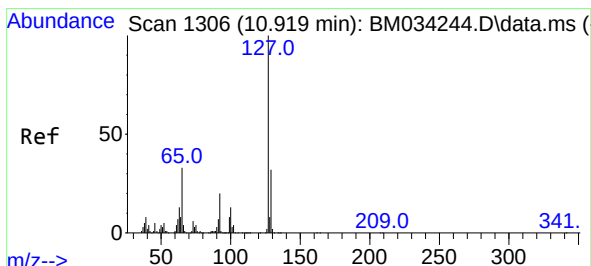
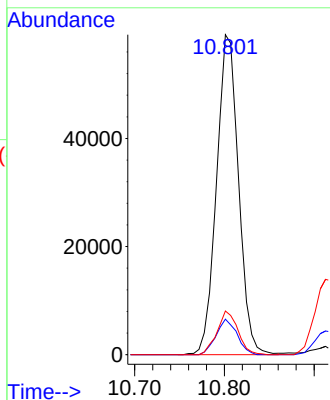
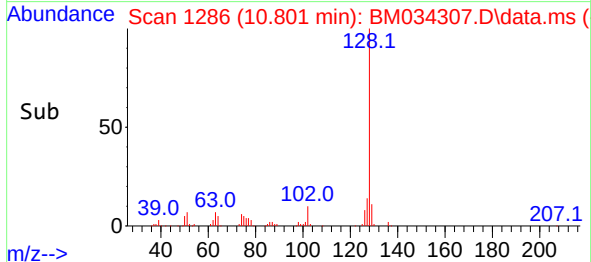
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021



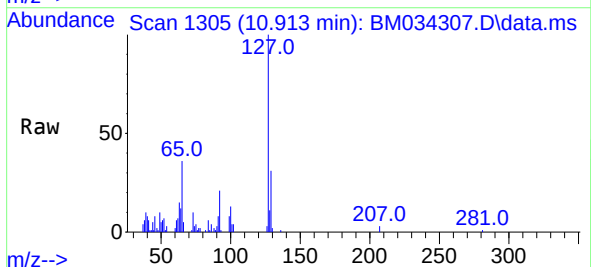
Tgt Ion:128 Resp: 100879
Ion Ratio Lower Upper
128 100
129 11.1 8.8 13.2
127 13.7 10.2 15.4

Manual Integrations
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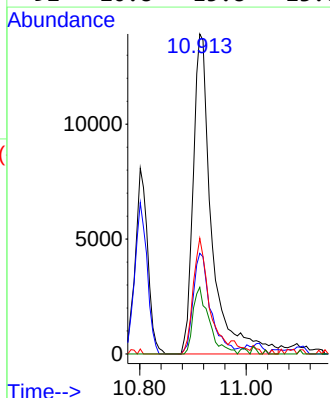
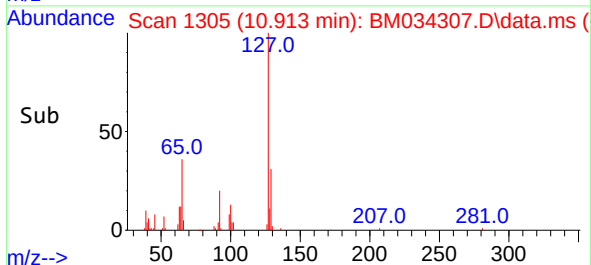
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

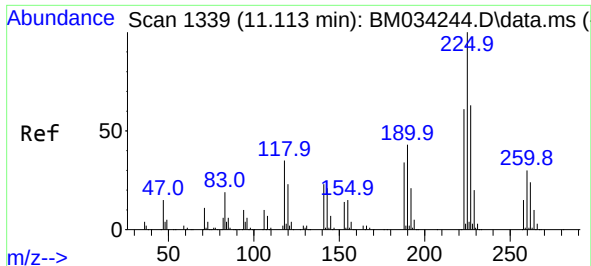


#33
4-Chloroaniline
Concen: 3.099 ng
RT: 10.913 min Scan# 1305
Delta R.T. -0.006 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46



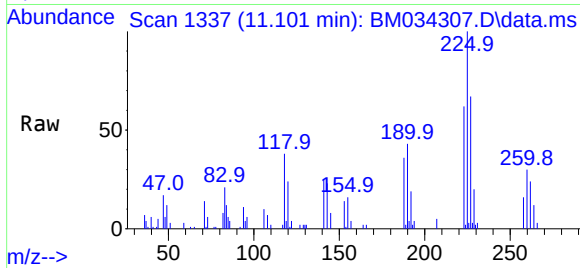
Tgt Ion:127 Resp: 33804
Ion Ratio Lower Upper
127 100
129 31.4 25.4 38.2
65 36.2 26.2 39.2
92 20.8 15.8 23.6





#34
Hexachlorobutadiene
Concen: 3.556 ng
RT: 11.101 min Scan# 1110
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

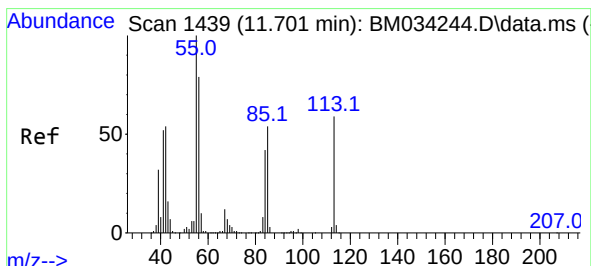
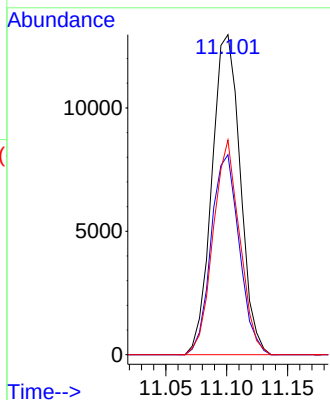
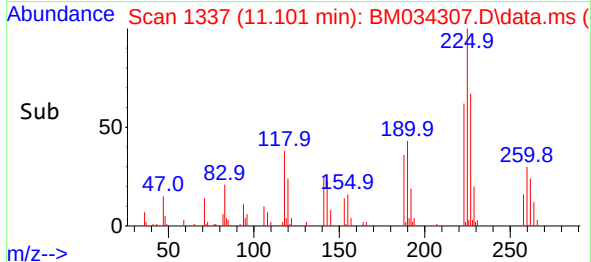
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021



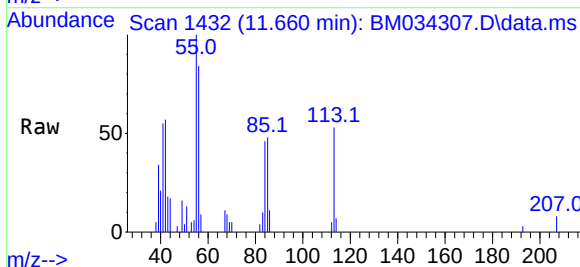
Tgt Ion:225 Resp: 21029
Ion Ratio Lower Upper
225 100
223 60.4 49.0 73.4
227 64.9 50.2 75.2

Manual Integrations
APPROVED

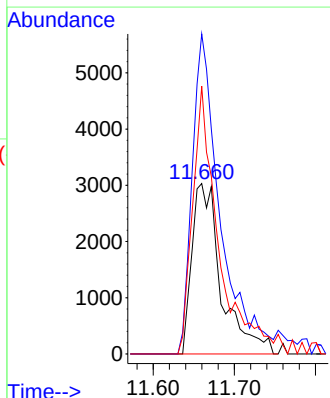
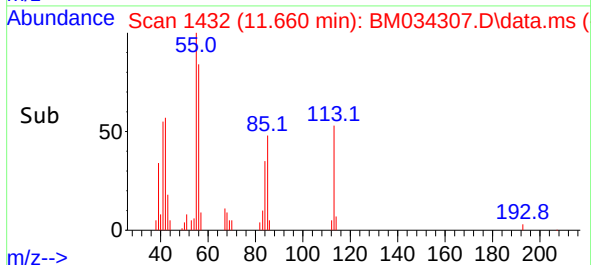
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

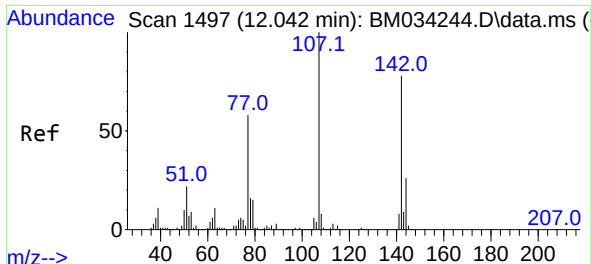


#35
Caprolactam
Concen: 2.668 ng
RT: 11.660 min Scan# 1432
Delta R.T. -0.041 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46



Tgt Ion:113 Resp: 7618
Ion Ratio Lower Upper
113 100
55 187.8 148.9 188.9
56 157.2 113.3 153.3#





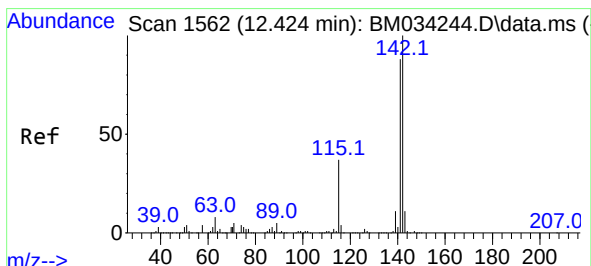
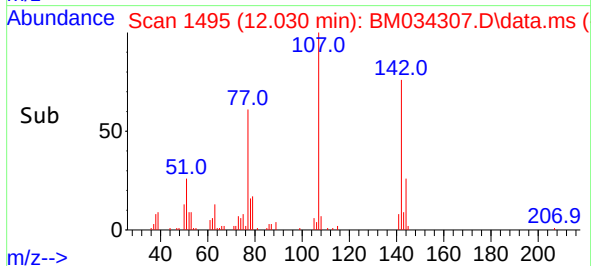
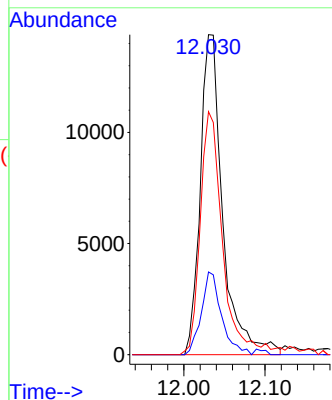
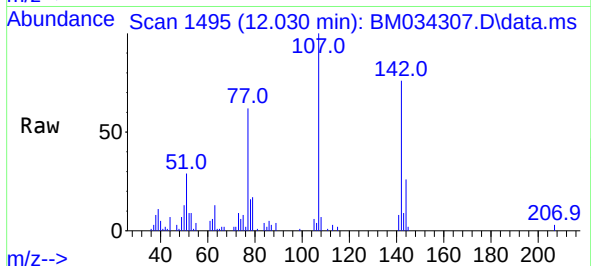
#36
4-Chloro-3-methylphenol
Concen: 2.941 ng
RT: 12.030 min Scan# 1497
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

Tgt Ion:107 Resp: 27679
Ion Ratio Lower Upper
107 100
144 25.8 20.8 31.2
142 75.9 62.7 94.1

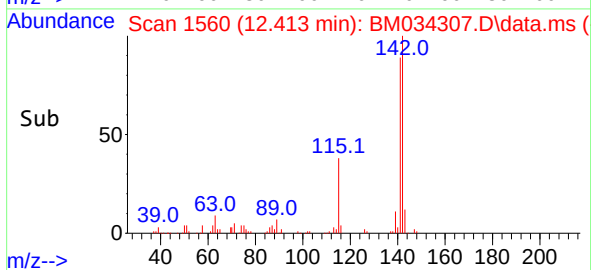
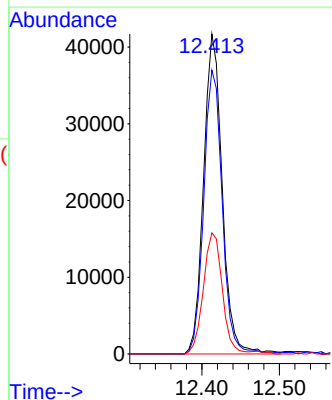
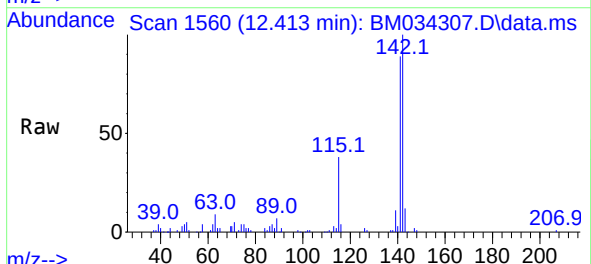
Manual Integrations
APPROVED

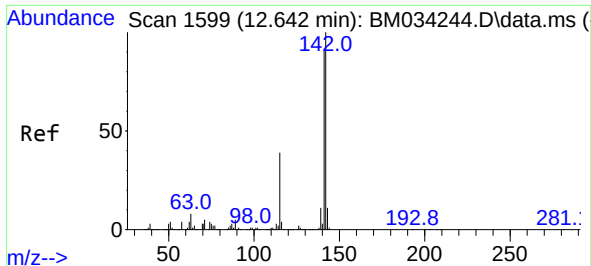
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#37
2-Methylnaphthalene
Concen: 3.533 ng
RT: 12.413 min Scan# 1560
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Tgt Ion:142 Resp: 69726
Ion Ratio Lower Upper
142 100
141 88.7 70.1 105.1
115 37.9 29.9 44.9





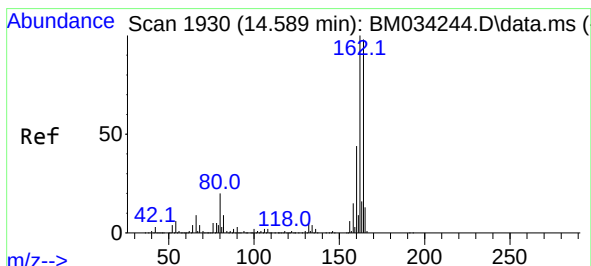
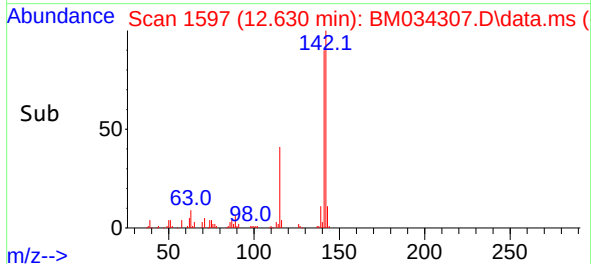
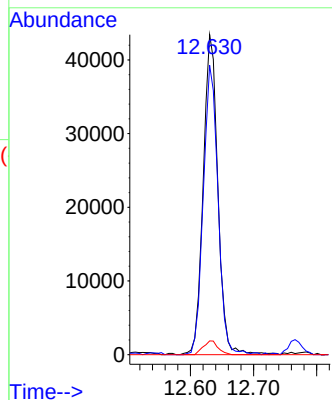
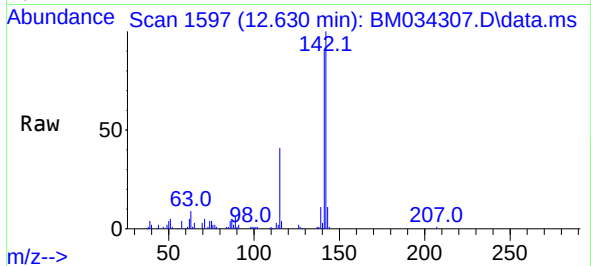
#38
1-Methylnaphthalene
Concen: 3.630 ng
RT: 12.630 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

Tgt Ion:142 Resp: 7008
Ion Ratio Lower Upper
142 100
141 90.5 73.0 109.6
116 4.3 3.2 4.8

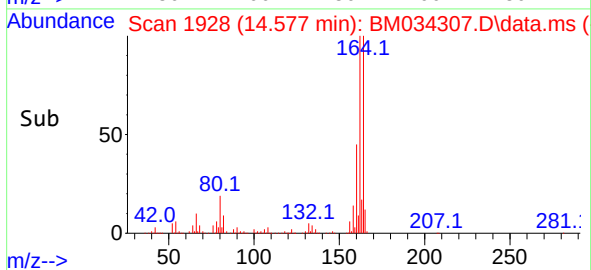
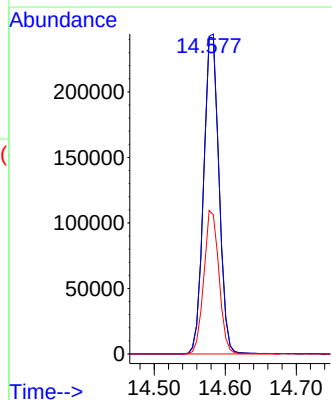
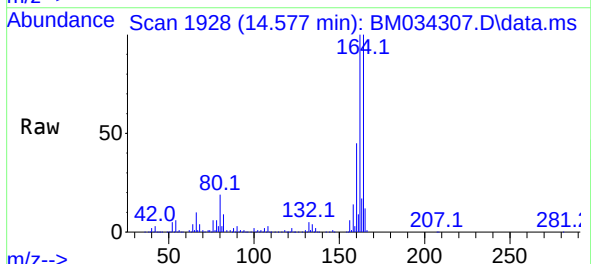
Manual Integrations
APPROVED

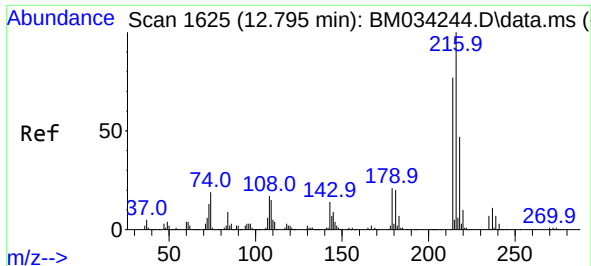
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.577 min Scan# 1928
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

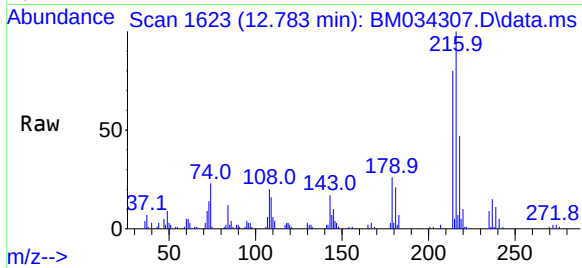
Tgt Ion:164 Resp: 364708
Ion Ratio Lower Upper
164 100
162 100.2 81.6 122.4
160 45.3 35.6 53.4





#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.484 ng
RT: 12.783 min Scan# 1620
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

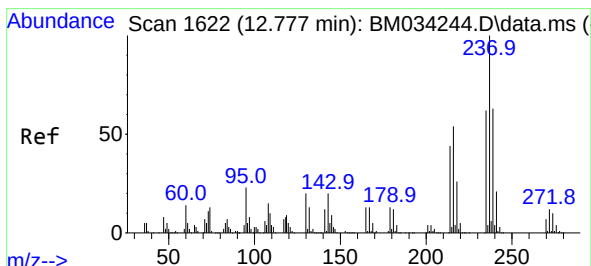
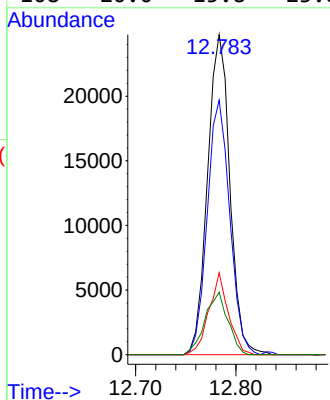
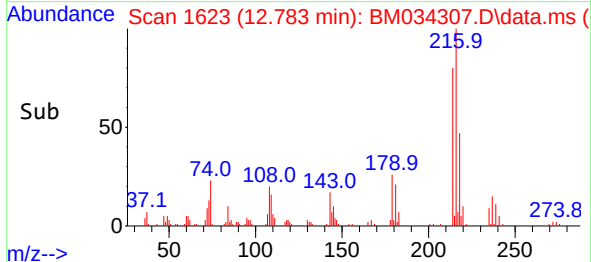
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021



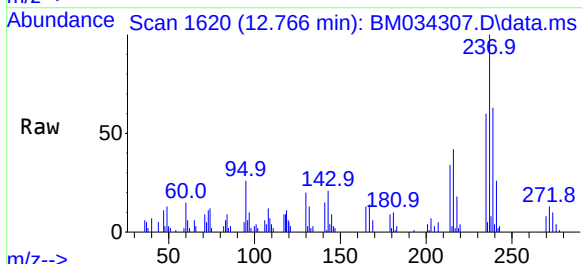
Tgt Ion:216 Resp: 38340
Ion Ratio Lower Upper
216 100
214 80.2 62.7 94.1
179 22.4 17.2 25.8
108 20.0 15.8 23.8

Manual Integrations
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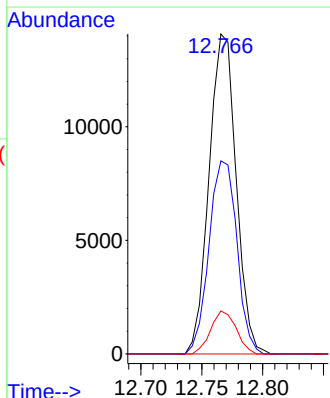
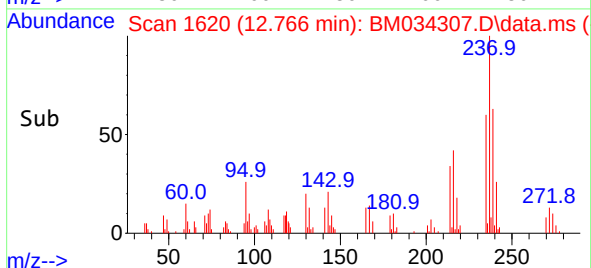
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

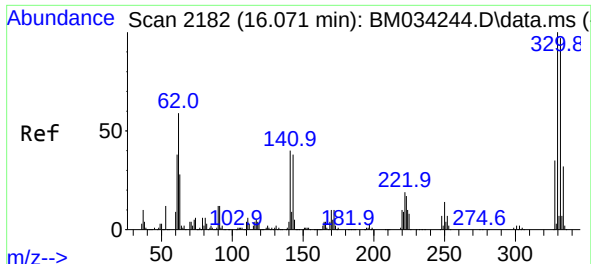


#41
Hexachlorocyclopentadiene
Concen: 3.427 ng
RT: 12.766 min Scan# 1620
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46



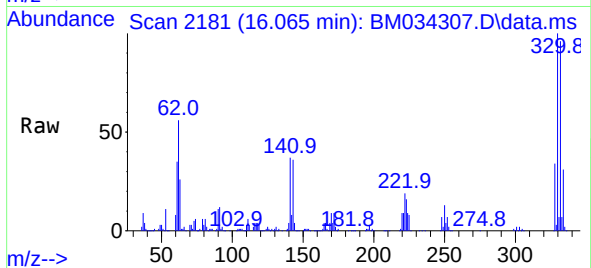
Tgt Ion:237 Resp: 21842
Ion Ratio Lower Upper
237 100
235 60.3 42.1 82.1
272 13.4 0.0 32.3





#42
2,4,6-Tribromophenol
Concen: 116.012 ng
RT: 16.065 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

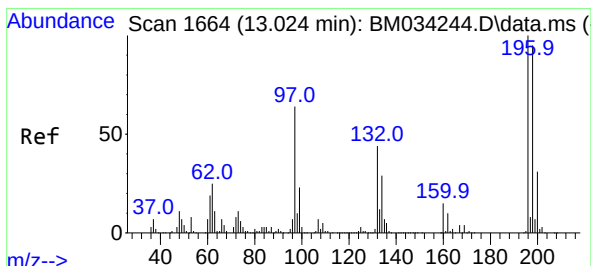
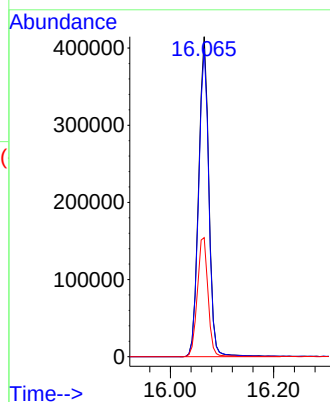
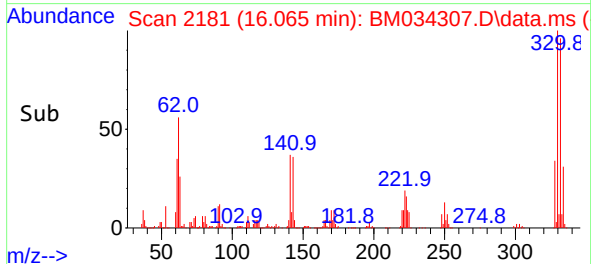
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021



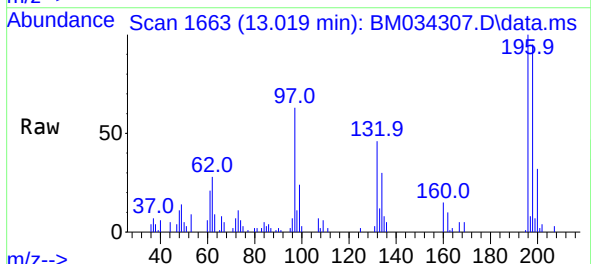
Tgt Ion:330 Resp: 57029
Ion Ratio Lower Upper
330 100
332 96.5 78.2 117.4
141 38.9 30.6 45.8

Manual Integrations
APPROVED

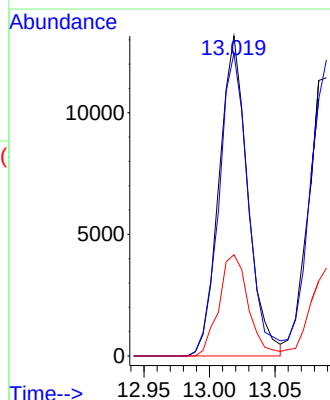
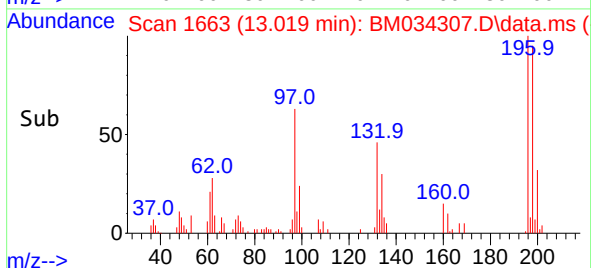
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

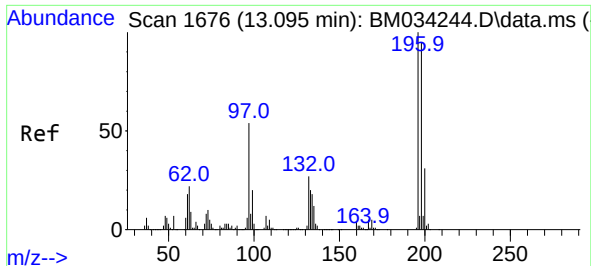


#43
2,4,6-Trichlorophenol
Concen: 2.625 ng
RT: 13.019 min Scan# 1663
Delta R.T. -0.006 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46



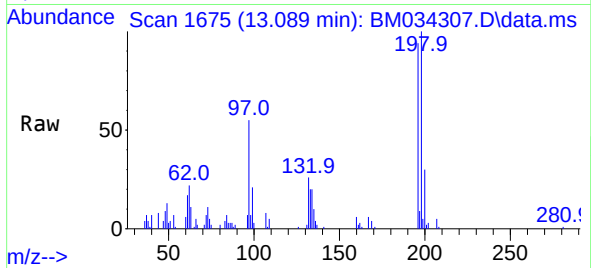
Tgt Ion:196 Resp: 19950
Ion Ratio Lower Upper
196 100
198 94.6 76.1 114.1
200 31.6 24.9 37.3





#44
2,4,5-Trichlorophenol
Concen: 2.935 ng
RT: 13.089 min Scan# 1675
Delta R.T. -0.006 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

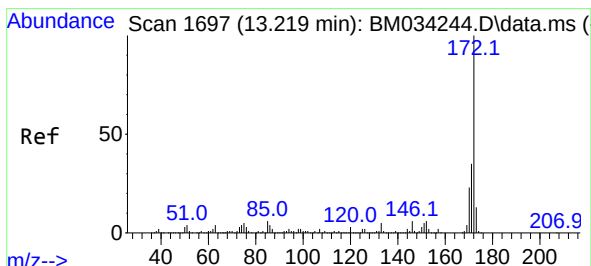
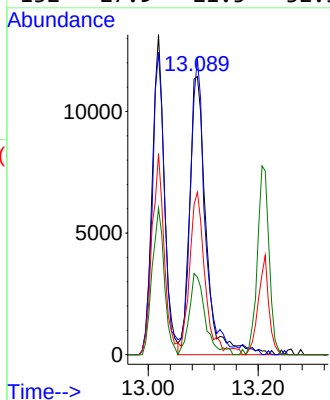
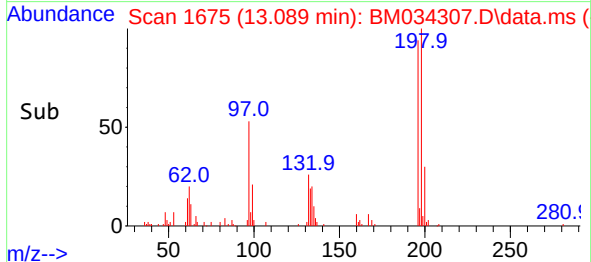
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021



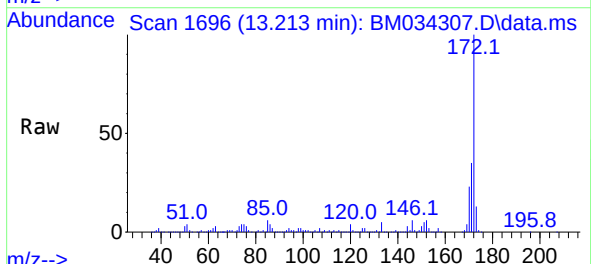
Tgt Ion:196 Resp: 23940
Ion Ratio Lower Upper
196 100
198 106.4 75.9 113.9
97 58.4 43.2 64.8
132 27.9 21.5 32.3

Manual Integrations
APPROVED

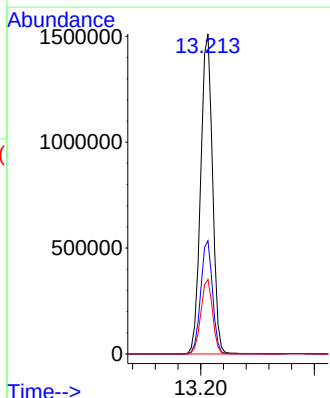
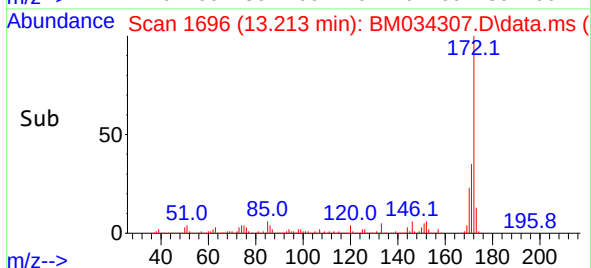
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

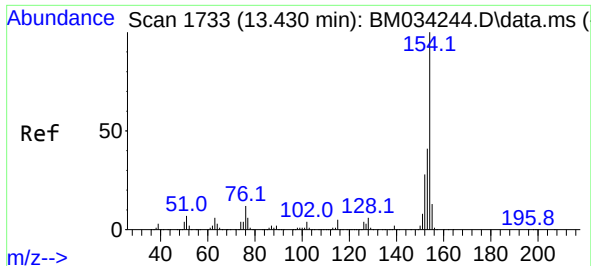


#45
2-Fluorobiphenyl
Concen: 82.108 ng
RT: 13.213 min Scan# 1696
Delta R.T. -0.006 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46



Tgt Ion:172 Resp: 2191405
Ion Ratio Lower Upper
172 100
171 35.4 28.0 42.0
170 23.3 18.6 28.0





#46

1,1'-Biphenyl

Concen: 3.625 ng

RT: 13.419 min Scan# 1

Delta R.T. -0.012 min

Lab File: BM034307.D

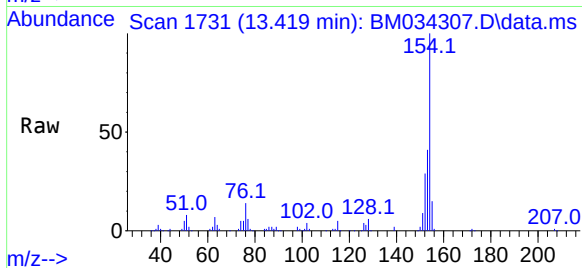
Acq: 22 Mar 2022 12:46

Instrument :

BNA_M

ClientSampleId :

MDL-SOIL-03-QT4-2021



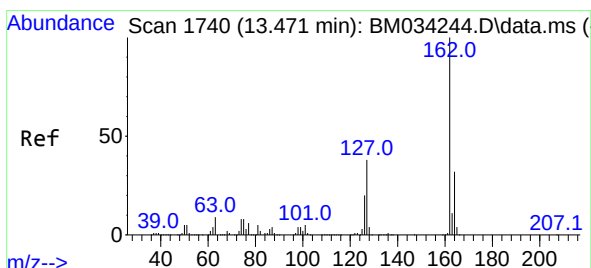
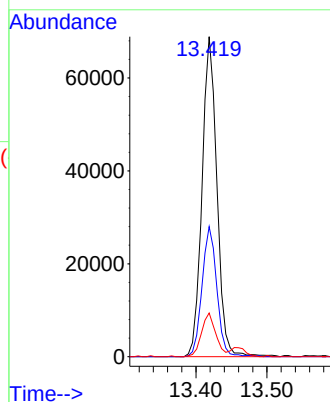
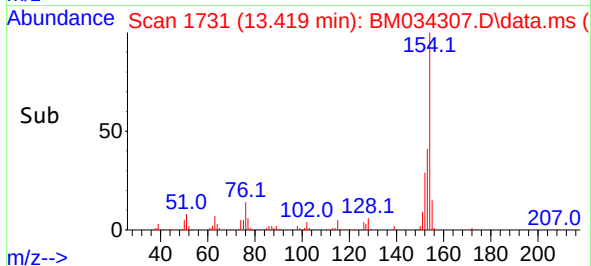
Tgt Ion:154	Resp: 100818
Ion Ratio	Lower Upper
154	100
153	40.7 21.0 61.0
76	13.7 0.0 32.1

Manual Integrations

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Reviewed By :Christian Giraldo 03/23/2022

Supervised By :Jagrut Upadhyay 03/23/2022



#47

2-Chloronaphthalene

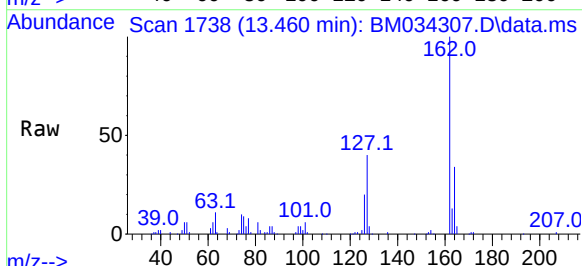
Concen: 3.469 ng

RT: 13.460 min Scan# 1738

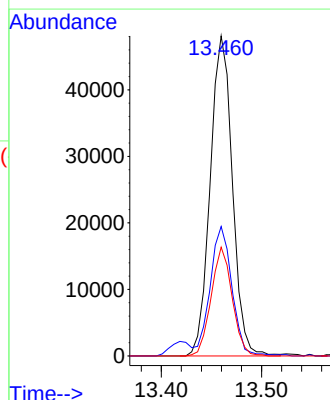
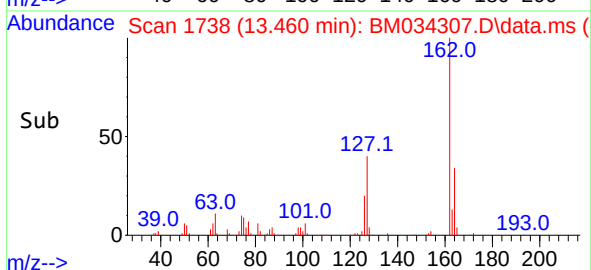
Delta R.T. -0.012 min

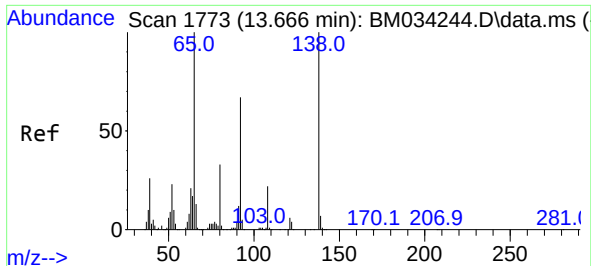
Lab File: BM034307.D

Acq: 22 Mar 2022 12:46



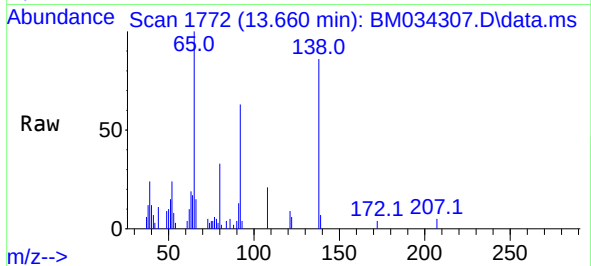
Tgt Ion:162	Resp: 74053
Ion Ratio	Lower Upper
162	100
127	40.5 30.4 45.6
164	34.0 25.8 38.8





#48
2-Nitroaniline
Concen: 2.549 ng
RT: 13.660 min Scan# 1773
Delta R.T. -0.006 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

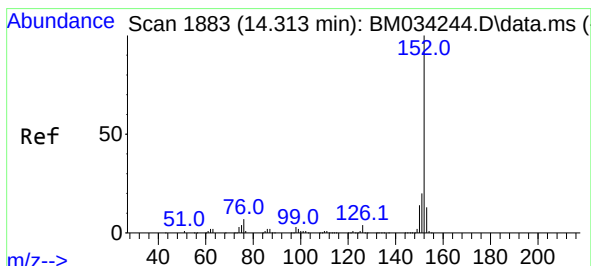
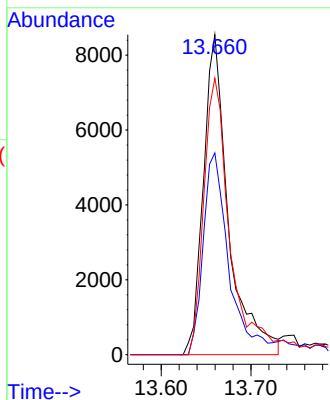
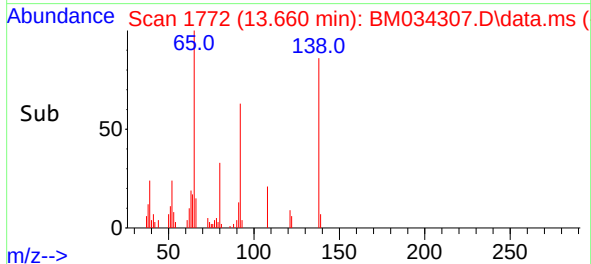
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021



Tgt Ion: 65 Resp: 1663
Ion Ratio Lower Upper
65 100
92 63.1 53.8 80.8
138 86.4 79.9 119.9

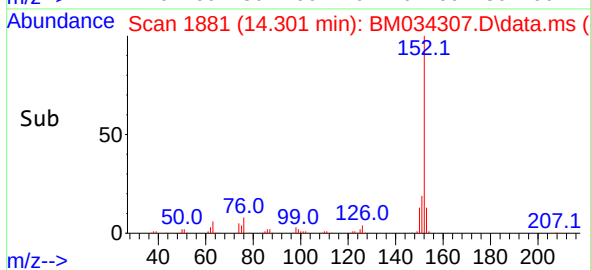
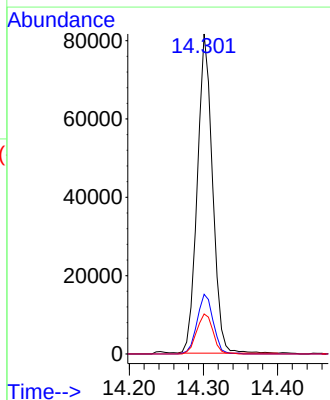
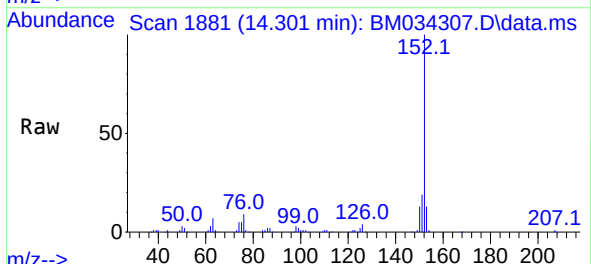
Manual Integrations
APPROVED

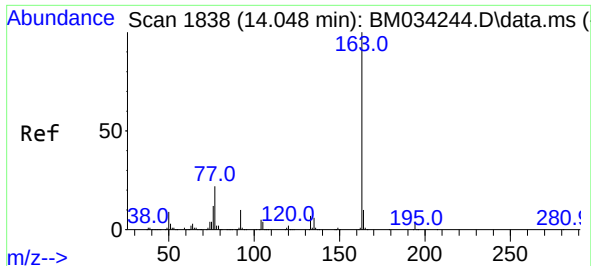
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#49
Acenaphthylene
Concen: 3.490 ng
RT: 14.301 min Scan# 1881
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

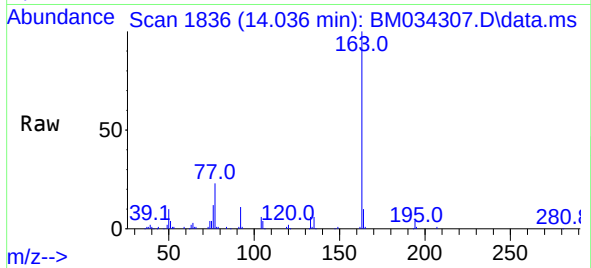
Tgt Ion:152 Resp: 116107
Ion Ratio Lower Upper
152 100
151 18.6 15.9 23.9
153 12.5 10.6 16.0





#50
Dimethylphthalate
Concen: 3.426 ng
RT: 14.036 min Scan# 1836
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

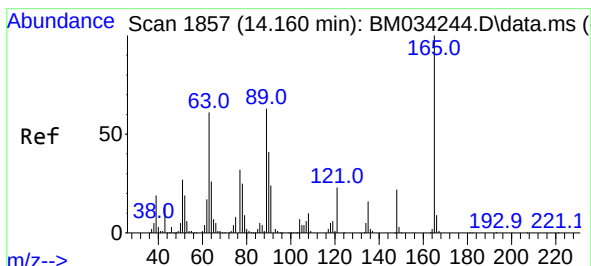
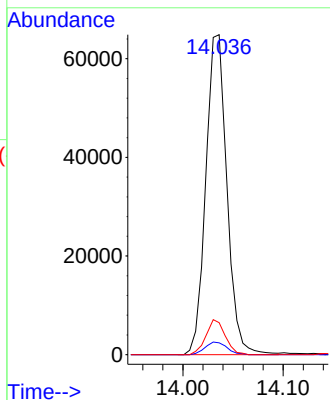
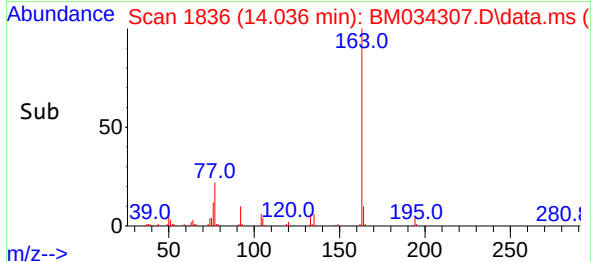
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021



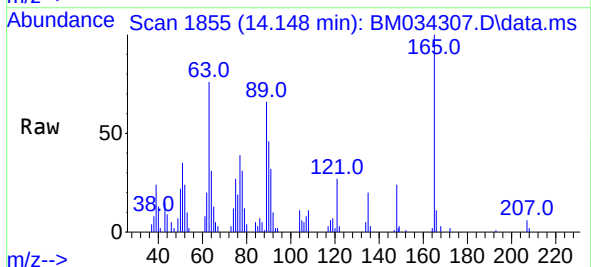
Tgt Ion:163 Resp: 95090
Ion Ratio Lower Upper
163 100
194 3.7 3.3 4.9
164 10.0 8.1 12.1

Manual Integrations
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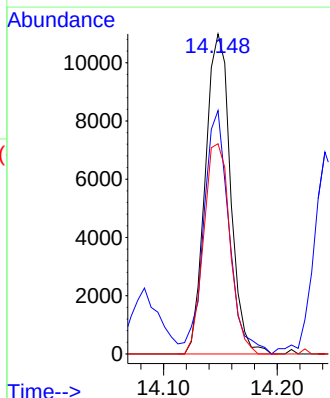
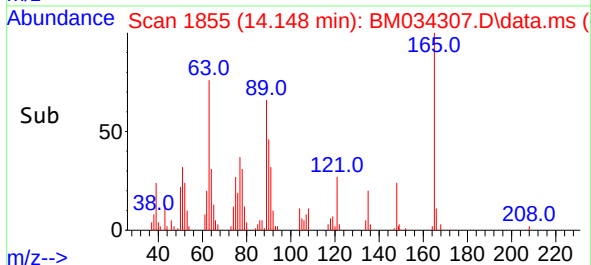
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

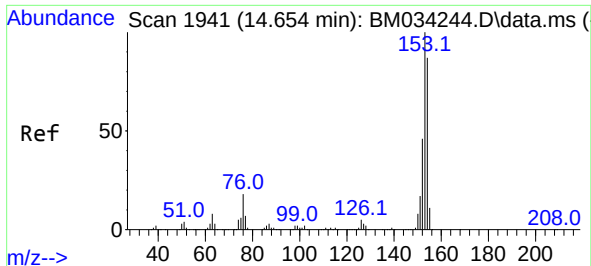


#51
2,6-Dinitrotoluene
Concen: 2.967 ng
RT: 14.148 min Scan# 1855
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46



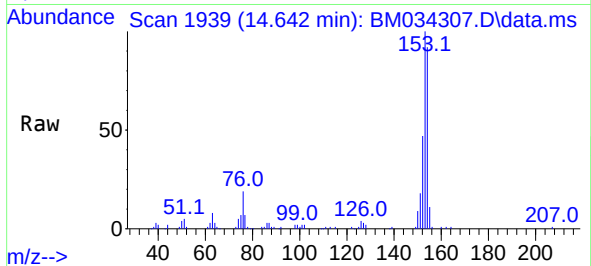
Tgt Ion:165 Resp: 16890
Ion Ratio Lower Upper
165 100
63 76.1 51.9 77.9
89 65.7 50.6 76.0





#52
Acenaphthene
Concen: 3.371 ng
RT: 14.642 min Scan# 1939
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

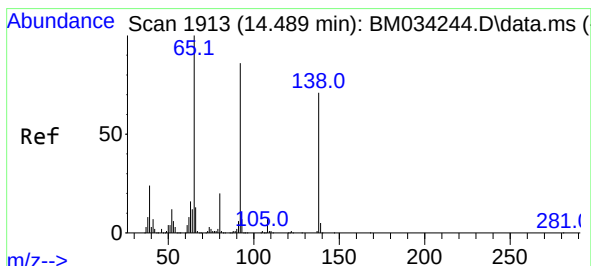
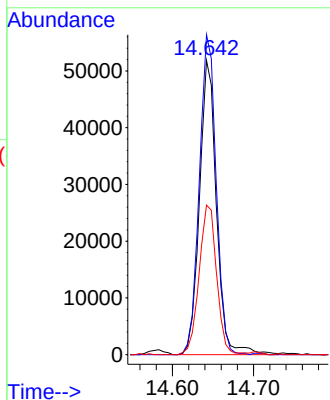
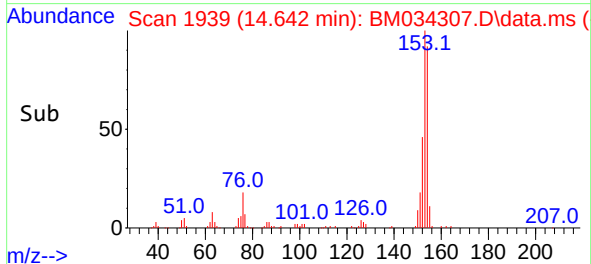
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021



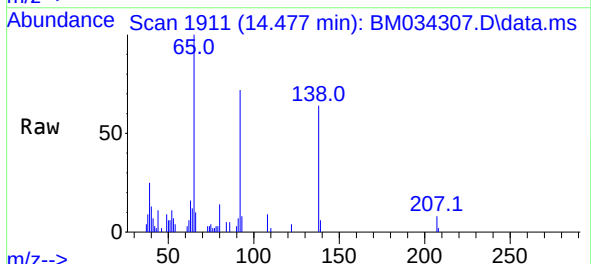
Tgt Ion:154 Resp: 75539
Ion Ratio Lower Upper
154 100
153 108.7 91.8 137.8
152 50.9 42.6 64.0

Manual Integrations
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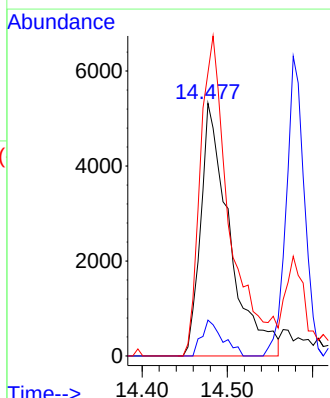
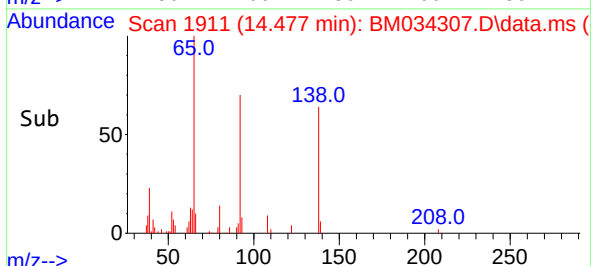
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

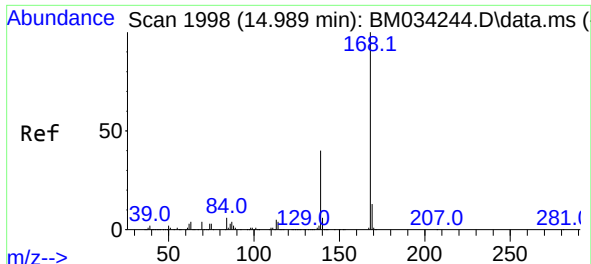


#53
3-Nitroaniline
Concen: 2.198 ng
RT: 14.477 min Scan# 1911
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46



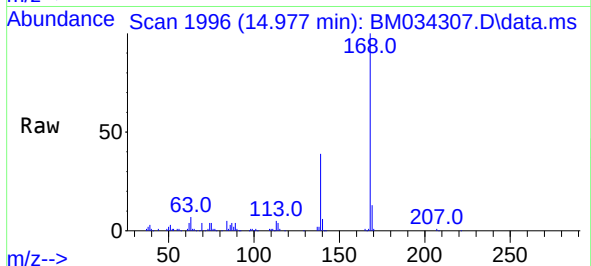
Tgt Ion:138 Resp: 12555
Ion Ratio Lower Upper
138 100
108 14.2 8.3 12.5#
92 112.1 97.6 146.4





#55
Dibenzenofuran
Concen: 3.420 ng
RT: 14.977 min Scan# 1996
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

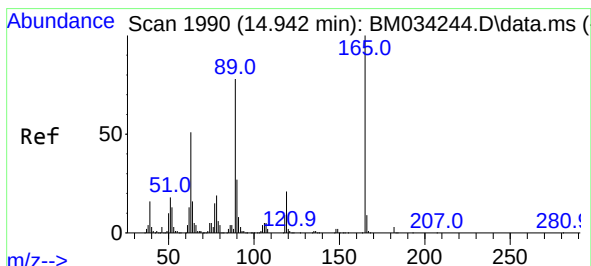
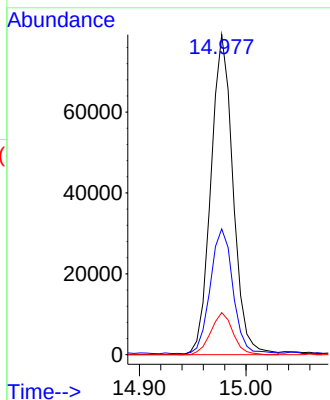
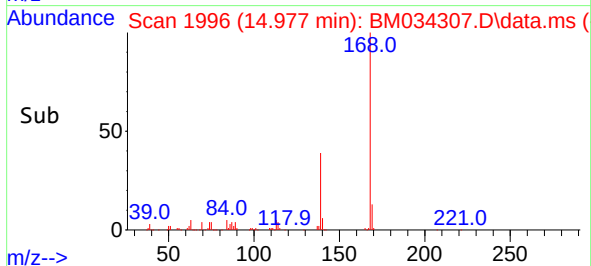
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021



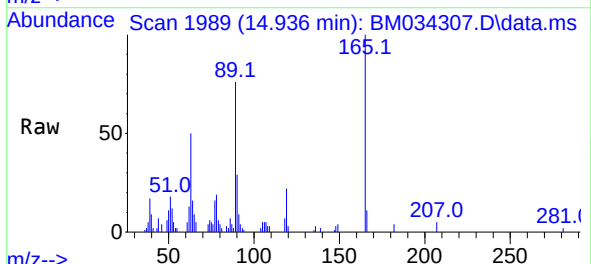
Tgt Ion:168 Resp: 114220
Ion Ratio Lower Upper
168 100
139 39.3 32.4 48.6
169 13.1 10.8 16.2

Manual Integrations
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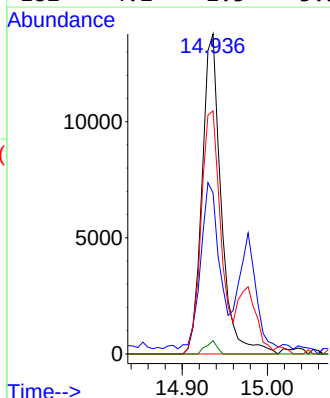
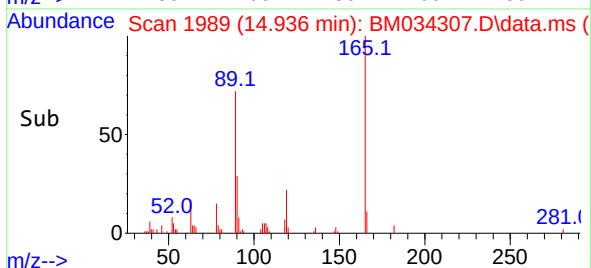
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

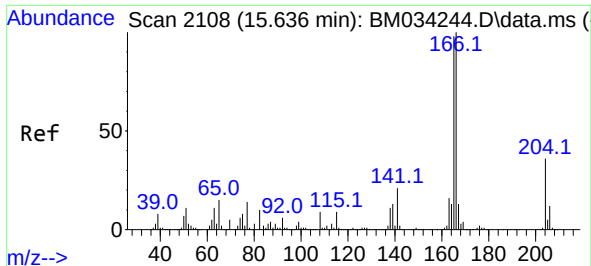


#57
2,4-Dinitrotoluene
Concen: 2.794 ng
RT: 14.936 min Scan# 1989
Delta R.T. -0.006 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46



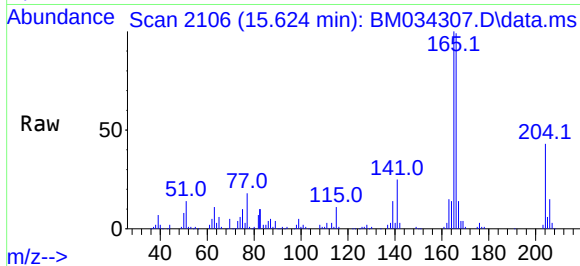
Tgt Ion:165 Resp: 21500
Ion Ratio Lower Upper
165 100
63 50.2 40.6 61.0
89 76.0 62.7 94.1
182 4.2 2.3 3.5#





#58
Fluorene
Concen: 3.383 ng
RT: 15.624 min Scan# 2108
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

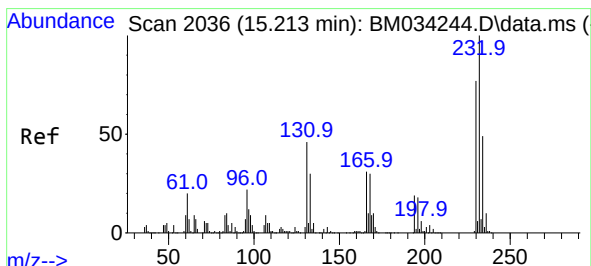
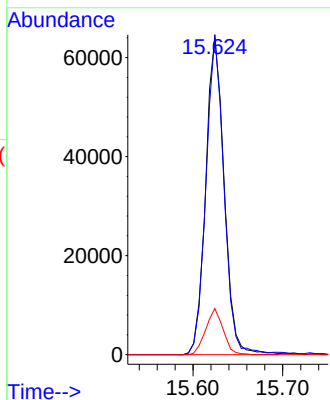
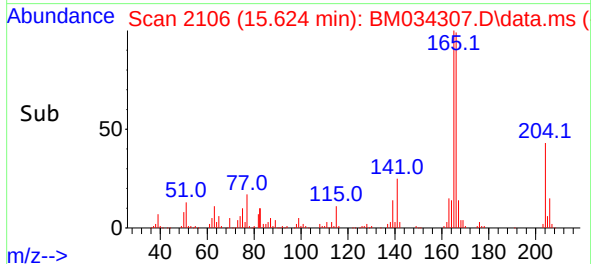
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021



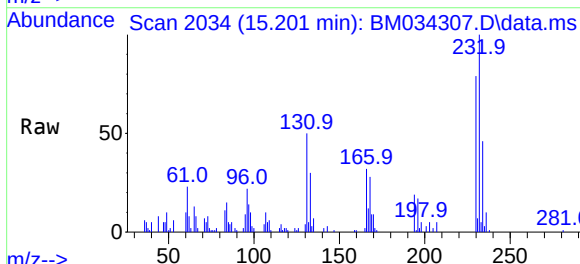
Tgt Ion:166 Resp: 91724
Ion Ratio Lower Upper
166 100
165 101.0 78.0 117.0
167 14.5 10.5 15.7

Manual Integrations
APPROVED

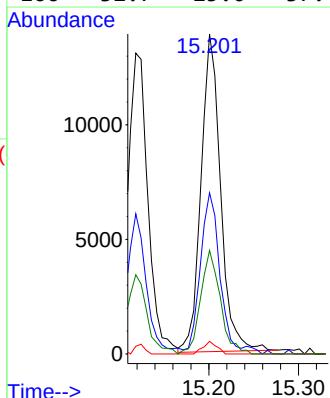
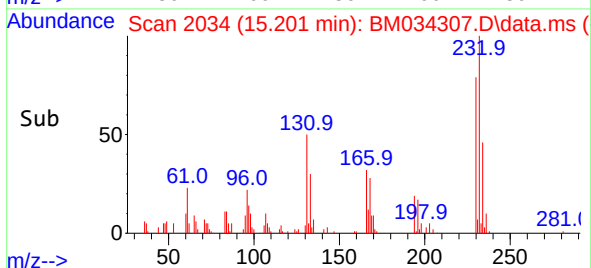
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

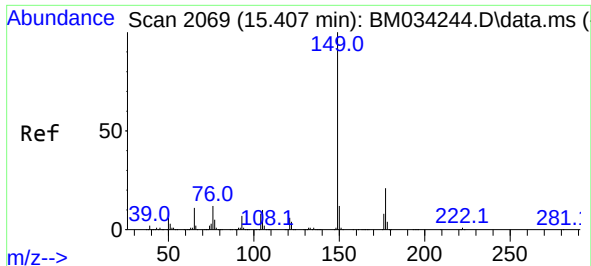


#59
2,3,4,6-Tetrachlorophenol
Concen: 2.857 ng
RT: 15.201 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46



Tgt Ion:232 Resp: 21011
Ion Ratio Lower Upper
232 100
131 51.6 38.0 57.0
130 2.8 2.2 3.2
166 32.7 25.0 37.4





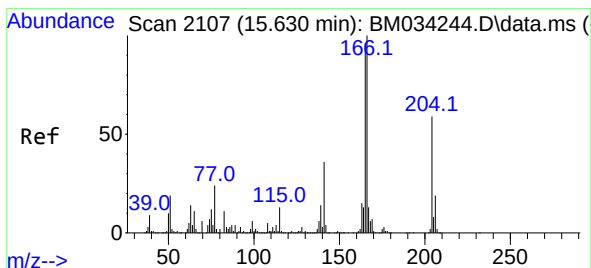
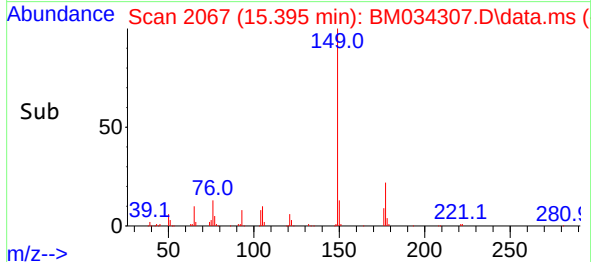
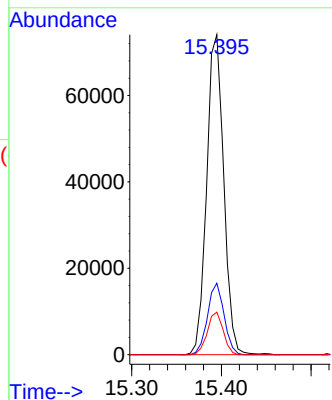
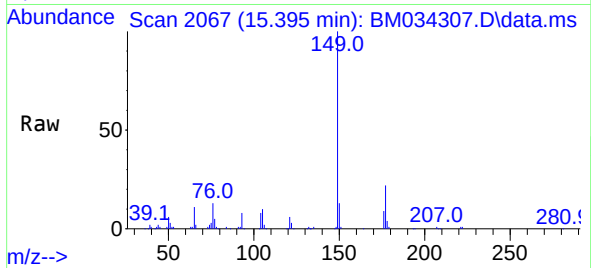
#60
Diethylphthalate
Concen: 3.432 ng
RT: 15.395 min Scan# 2069
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

Tgt Ion:149 Resp: 97730
Ion Ratio Lower Upper
149 100
177 22.4 17.1 25.7
150 13.3 9.9 14.9

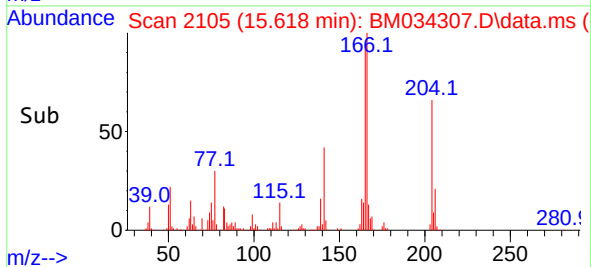
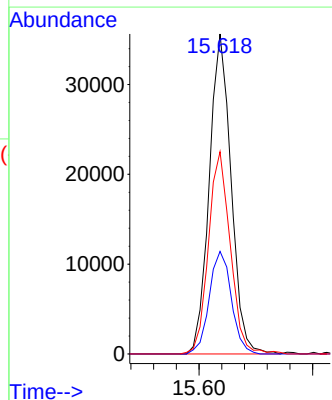
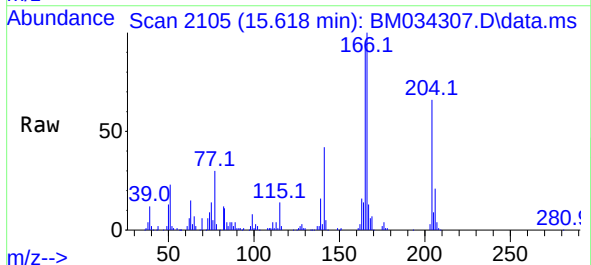
Manual Integrations
APPROVED

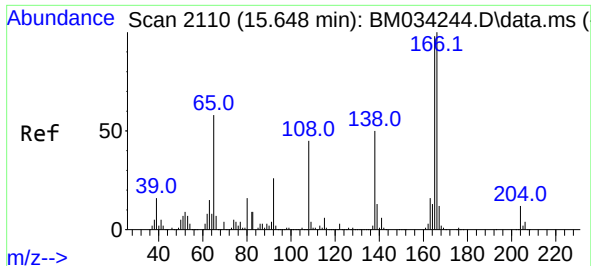
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#61
4-Chlorophenyl-phenylether
Concen: 3.435 ng
RT: 15.618 min Scan# 2105
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Tgt Ion:204 Resp: 47543
Ion Ratio Lower Upper
204 100
206 32.1 26.4 39.6
141 63.2 49.4 74.2





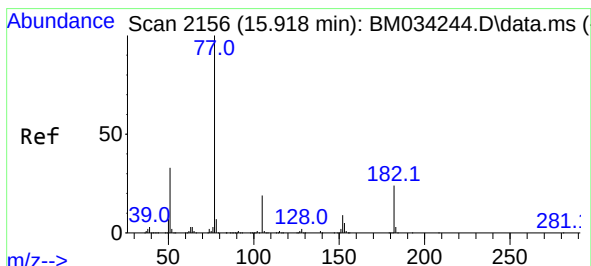
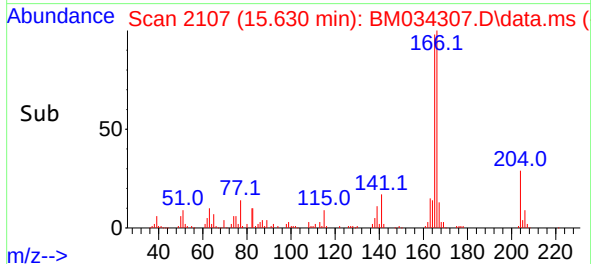
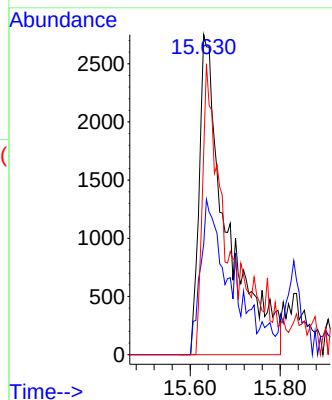
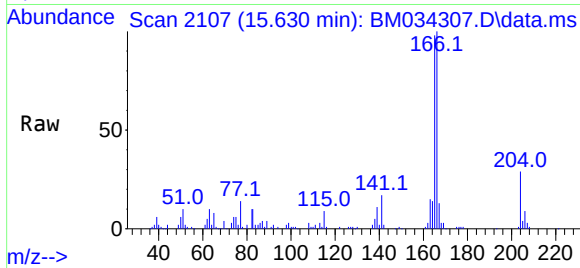
#62
4-Nitroaniline
Concen: 2.140 ng m
RT: 15.630 min Scan# 2110
Delta R.T. -0.018 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

Tgt Ion:138 Resp: 1176
Ion Ratio Lower Upper
138 100
92 34.6 32.6 72.6
108 63.2 69.8 109.8

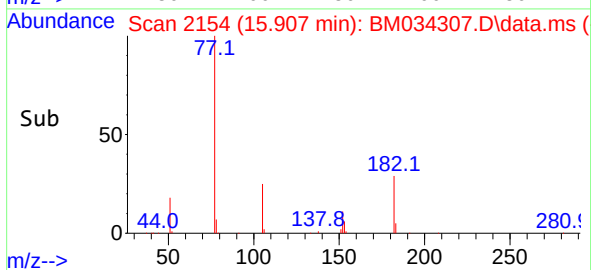
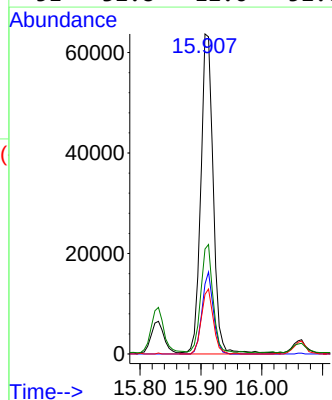
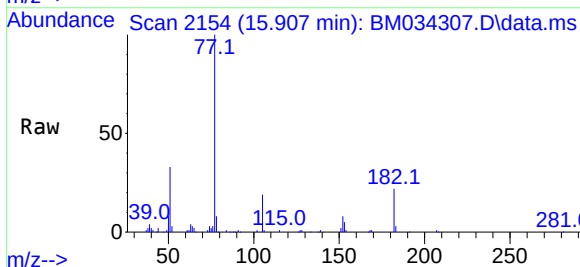
Manual Integrations
APPROVED

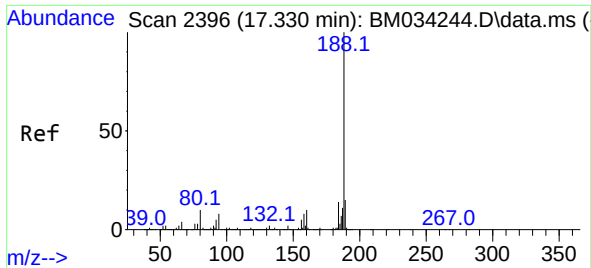
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#63
Azobenzene
Concen: 3.327 ng
RT: 15.907 min Scan# 2154
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

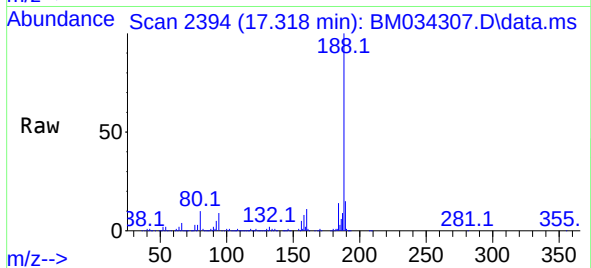
Tgt Ion: 77 Resp: 91365
Ion Ratio Lower Upper
77 100
182 21.8 4.4 44.4
105 18.6 0.0 38.7
51 32.8 12.6 52.6





#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.318 min Scan# 211
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

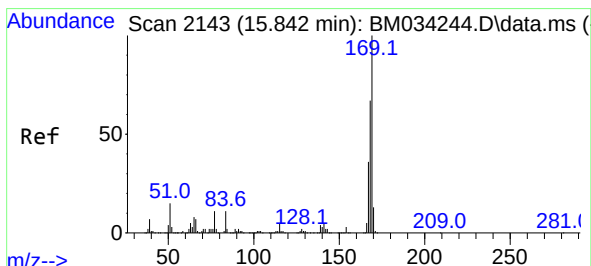
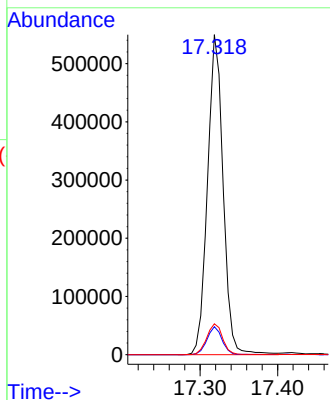
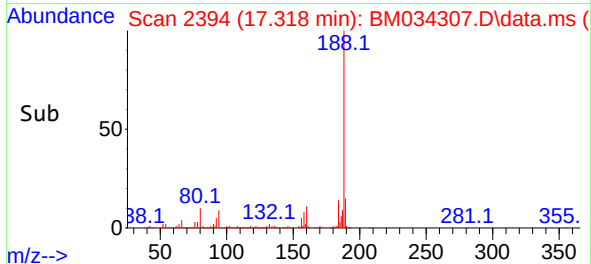
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021



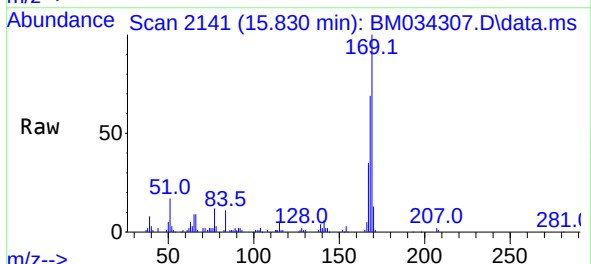
Tgt Ion:188 Resp: 770180
Ion Ratio Lower Upper
188 100
94 8.8 6.6 9.8
80 9.7 7.8 11.8

Manual Integrations
APPROVED

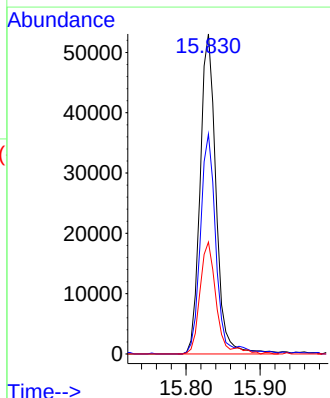
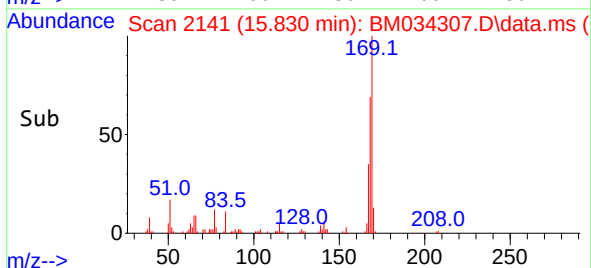
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

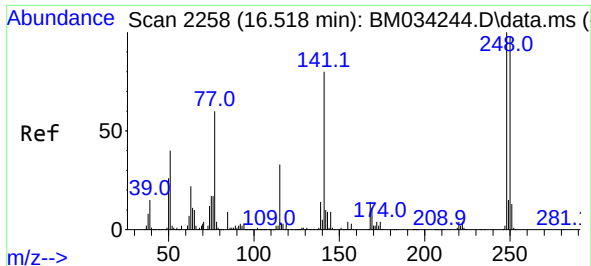


#66
n-Nitrosodiphenylamine
Concen: 3.228 ng
RT: 15.830 min Scan# 2141
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46



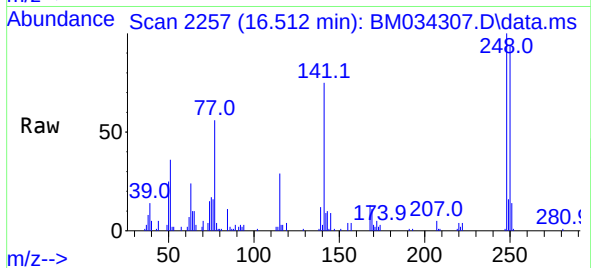
Tgt Ion:169 Resp: 78989
Ion Ratio Lower Upper
169 100
168 68.7 53.9 80.9
167 34.9 29.0 43.4





#67
4-Bromophenyl-phenylether
Concen: 3.285 ng
RT: 16.512 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

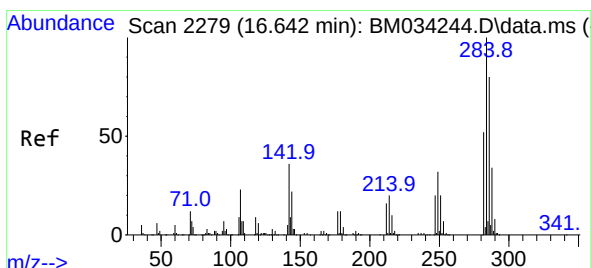
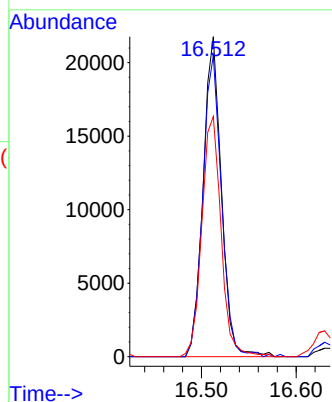
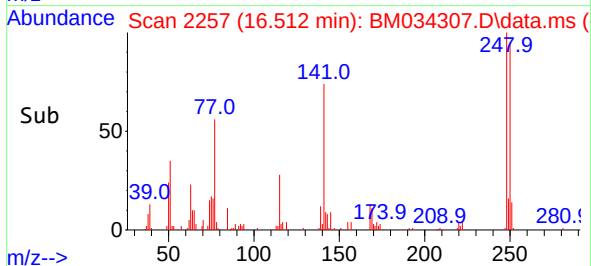
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021



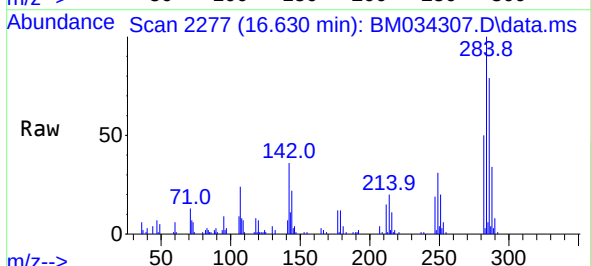
Tgt Ion:248 Resp: 2908
Ion Ratio Lower Upper
248 100
250 94.1 78.0 117.0
141 75.0 63.8 95.6

Manual Integrations
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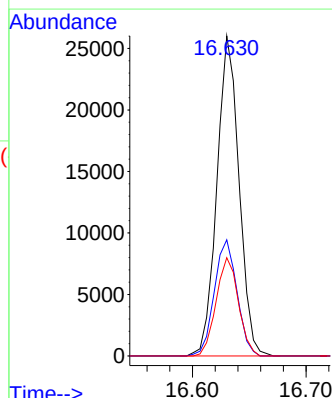
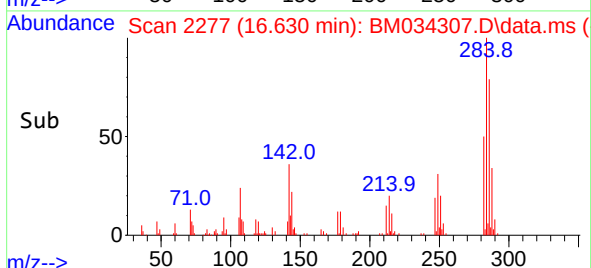
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

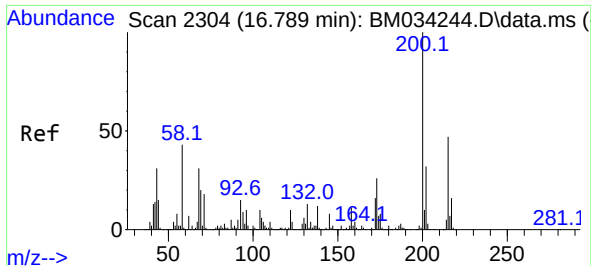


#68
Hexachlorobenzene
Concen: 3.568 ng
RT: 16.630 min Scan# 2277
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46



Tgt Ion:284 Resp: 35236
Ion Ratio Lower Upper
284 100
142 36.3 28.9 43.3
249 30.7 25.4 38.0





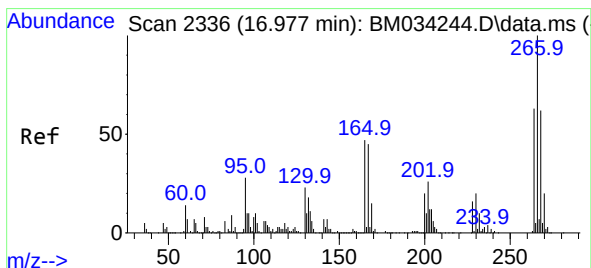
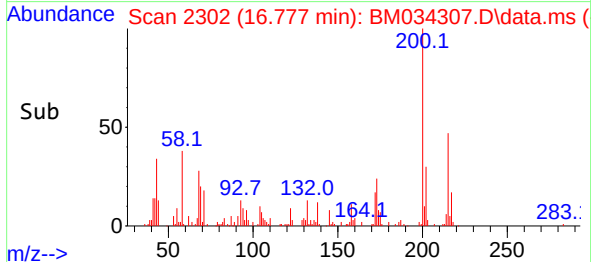
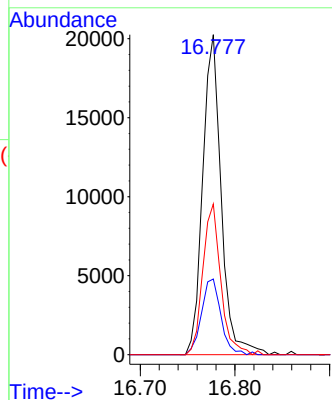
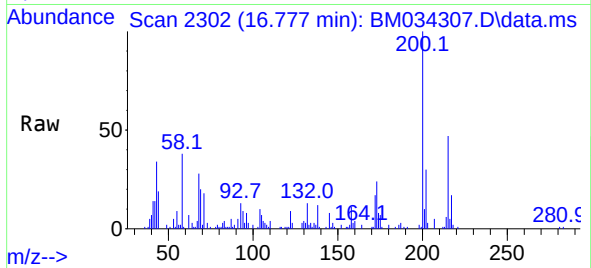
#69
Atrazine
Concen: 3.403 ng
RT: 16.777 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

Tgt Ion:200 Resp: 2744
Ion Ratio Lower Upper
200 100
173 23.7 6.1 46.1
215 47.1 27.4 67.4

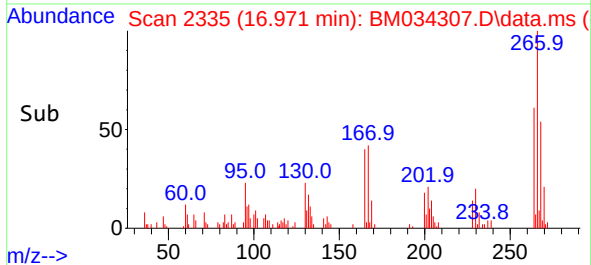
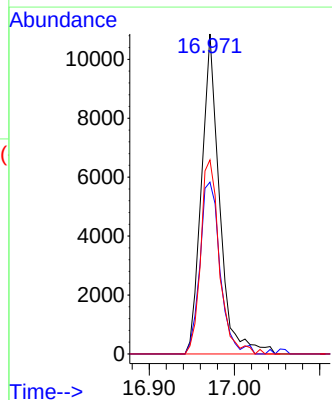
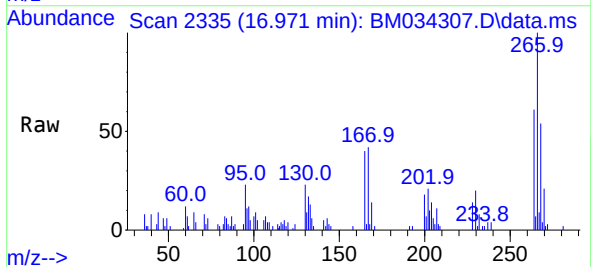
Manual Integrations
APPROVED

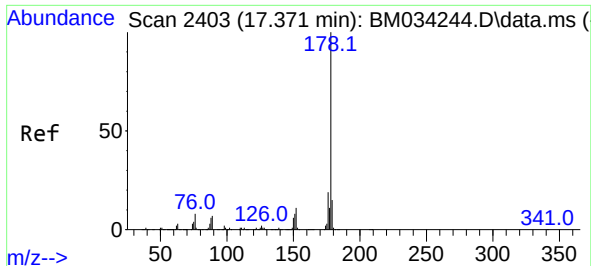
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#70
Pentachlorophenol
Concen: 2.532 ng
RT: 16.971 min Scan# 2335
Delta R.T. -0.006 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

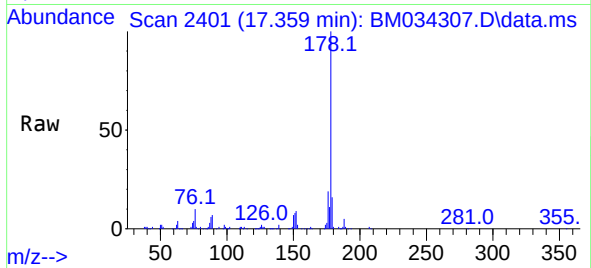
Tgt Ion:266 Resp: 15990
Ion Ratio Lower Upper
266 100
268 53.7 49.8 74.8
264 60.7 50.3 75.5





#71
Phenanthrene
Concen: 3.547 ng
RT: 17.359 min Scan# 2403
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

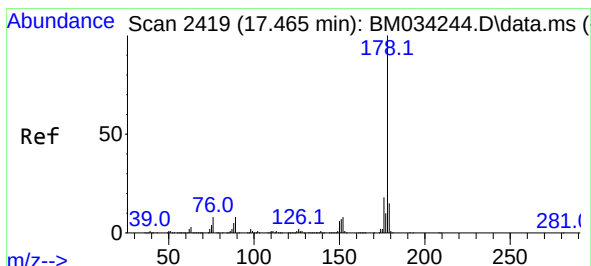
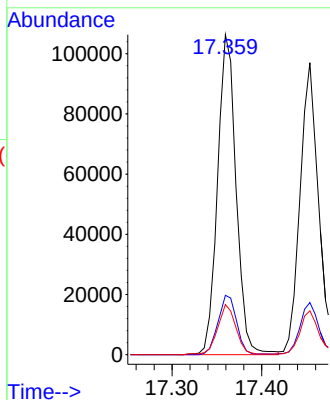
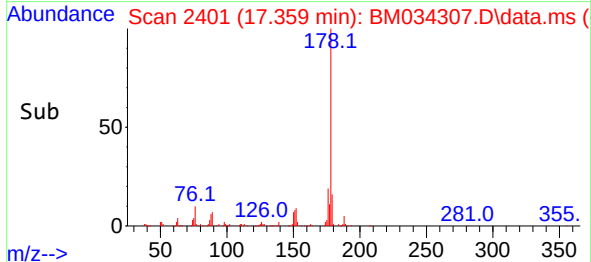
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021



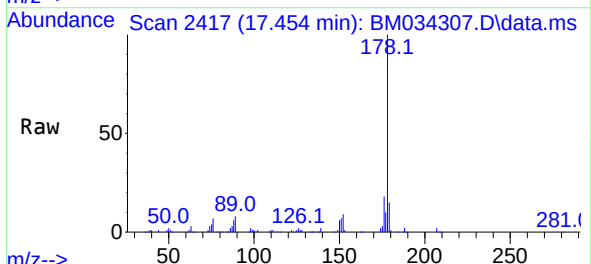
Tgt Ion:178 Resp: 153002
Ion Ratio Lower Upper
178 100
176 18.5 15.1 22.7
179 15.6 12.2 18.4

Manual Integrations
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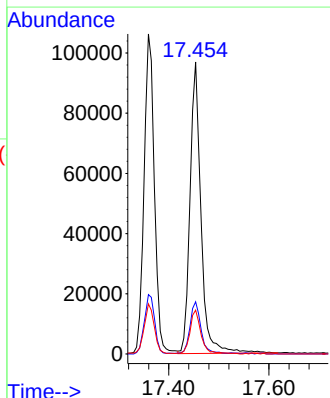
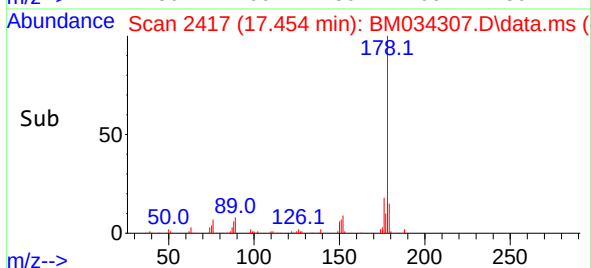
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

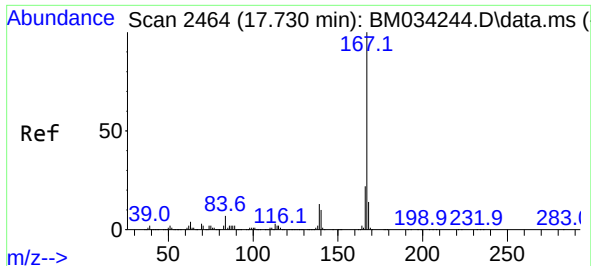


#72
Anthracene
Concen: 3.502 ng
RT: 17.454 min Scan# 2417
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46



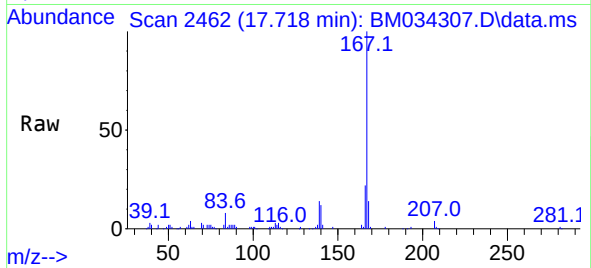
Tgt Ion:178 Resp: 147034
Ion Ratio Lower Upper
178 100
176 17.9 14.6 22.0
179 15.0 12.2 18.2





#73
 Carbazole
 Concen: 2.949 ng
 RT: 17.718 min Scan# 2462
 Delta R.T. -0.012 min
 Lab File: BM034307.D
 Acq: 22 Mar 2022 12:46

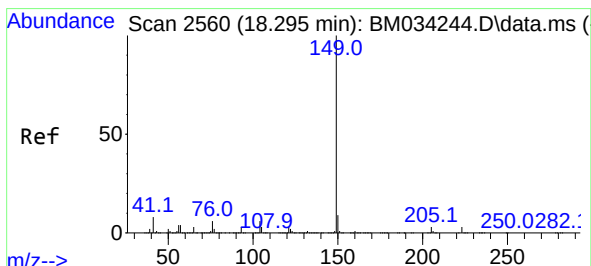
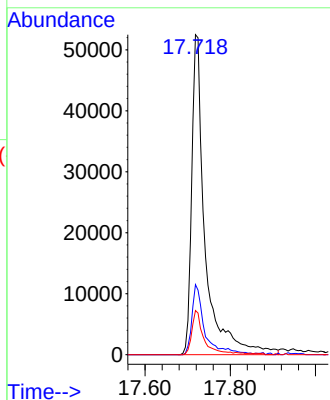
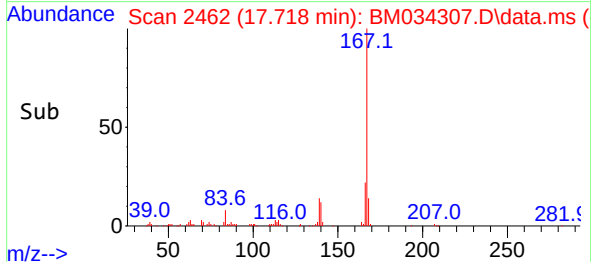
Instrument : BNA_M
 ClientSampleId : MDL-SOIL-03-QT4-2021



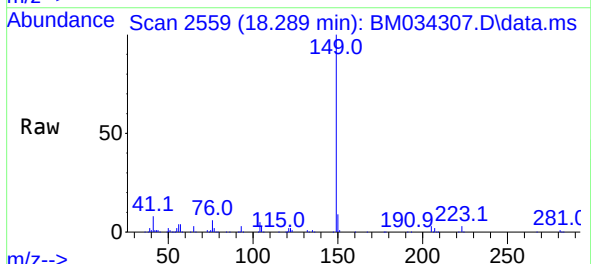
Tgt Ion:167 Resp: 115440
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.4 26.2
 139 13.8 10.4 15.6

Manual Integrations
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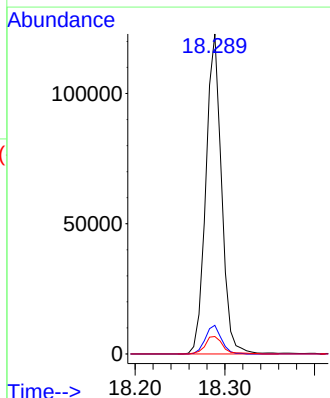
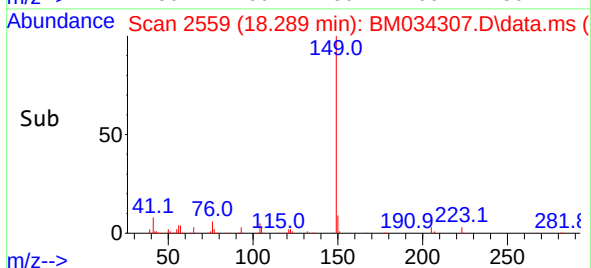
Reviewed By :Christian Giraldo 03/23/2022
 Supervised By :Jagrut Upadhyay 03/23/2022

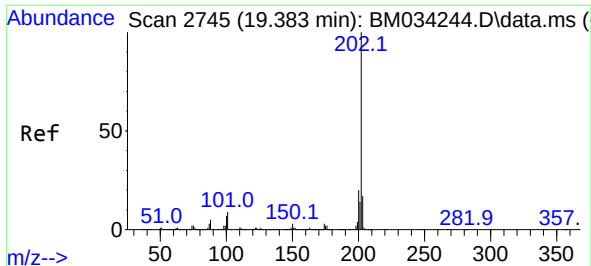


#74
 Di-n-butylphthalate
 Concen: 3.067 ng
 RT: 18.289 min Scan# 2559
 Delta R.T. -0.006 min
 Lab File: BM034307.D
 Acq: 22 Mar 2022 12:46



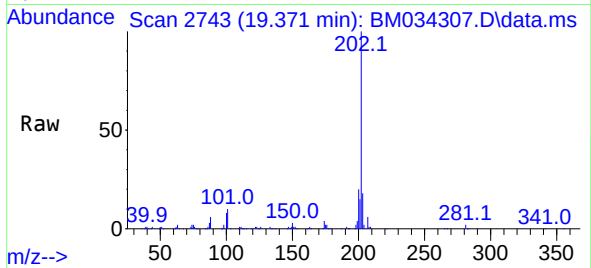
Tgt Ion:149 Resp: 149282
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.6 11.4
 104 5.5 4.7 7.1





#75
Fluoranthene
Concen: 3.544 ng
RT: 19.371 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

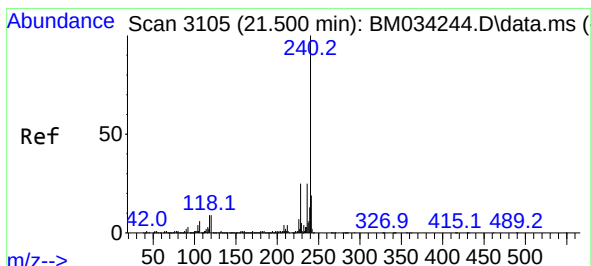
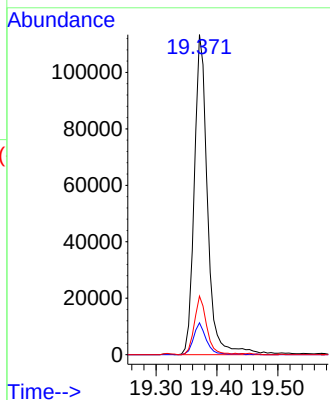
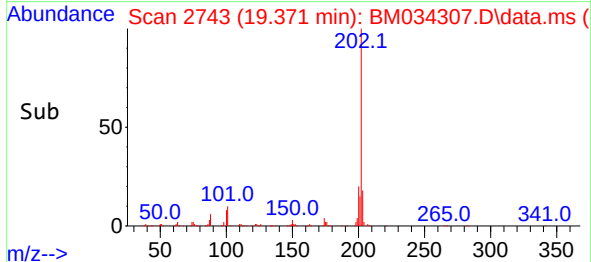
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021



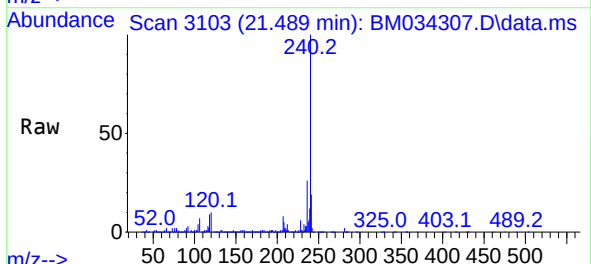
Tgt Ion:202 Resp: 17134
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.4
203 18.3 0.0 37.1

Manual Integrations
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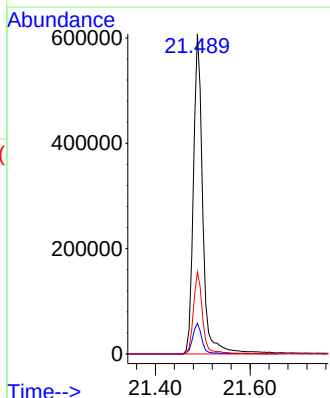
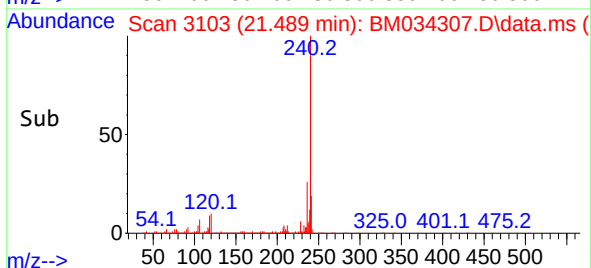
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

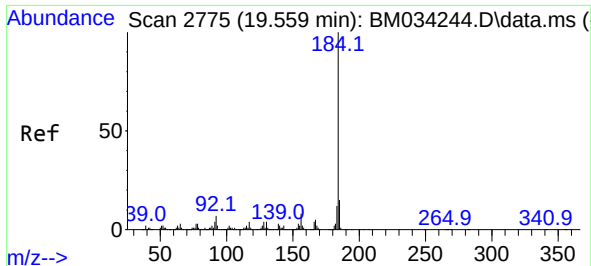


#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.489 min Scan# 3103
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46



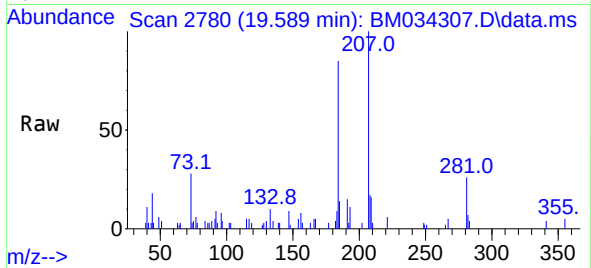
Tgt Ion:240 Resp: 839130
Ion Ratio Lower Upper
240 100
120 9.6 7.3 10.9
236 25.6 20.2 30.2





#77
Benzidine
Concen: 3.576 ng m
RT: 19.589 min Scan# 21
Delta R.T. 0.030 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

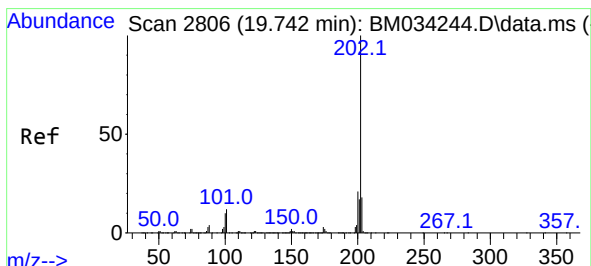
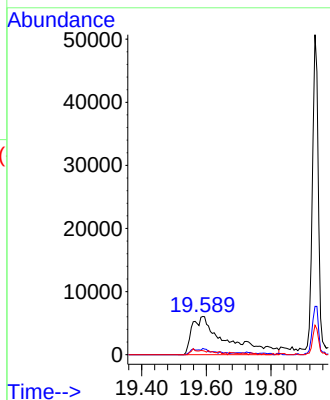
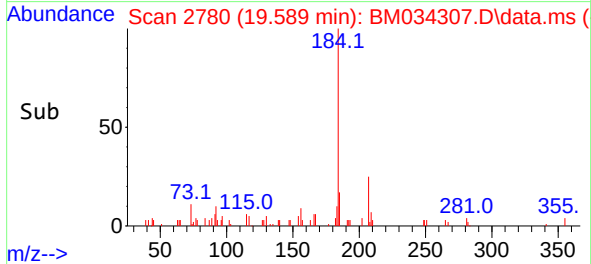
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021



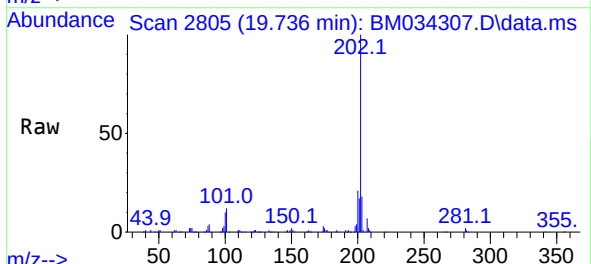
Tgt Ion:184 Resp: 43970
Ion Ratio Lower Upper
184 100
185 16.5 11.7 17.5
183 10.5 9.8 14.6

Manual Integrations
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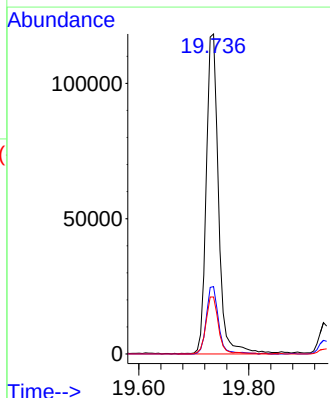
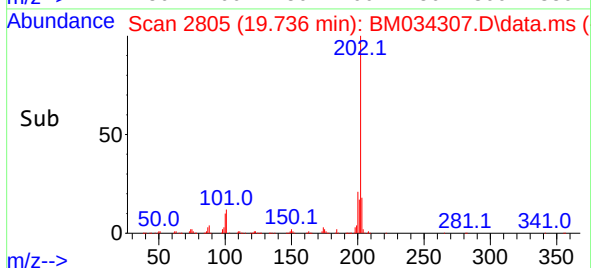
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

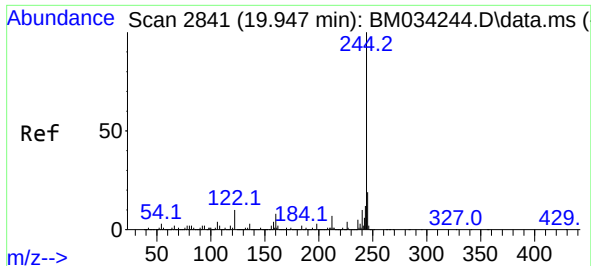


#78
Pyrene
Concen: 3.107 ng
RT: 19.736 min Scan# 2805
Delta R.T. -0.006 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46



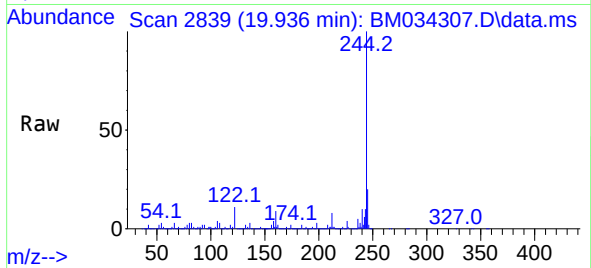
Tgt Ion:202 Resp: 183703
Ion Ratio Lower Upper
202 100
200 21.1 16.6 24.8
203 17.8 14.1 21.1





#79
 Terphenyl-d14
 Concen: 76.251 ng
 RT: 19.936 min Scan# 21
 Delta R.T. -0.012 min
 Lab File: BM034307.D
 Acq: 22 Mar 2022 12:46

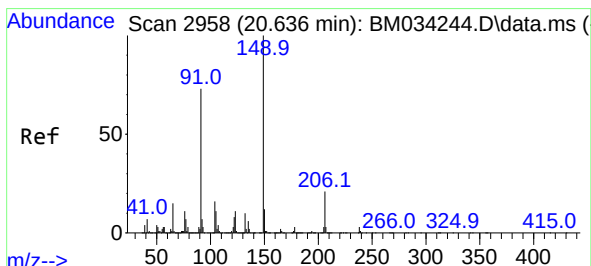
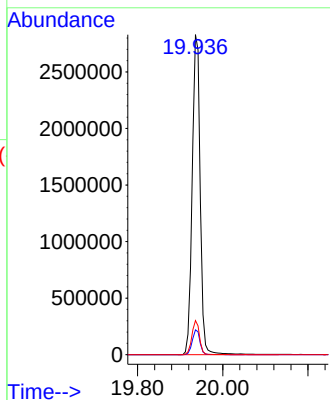
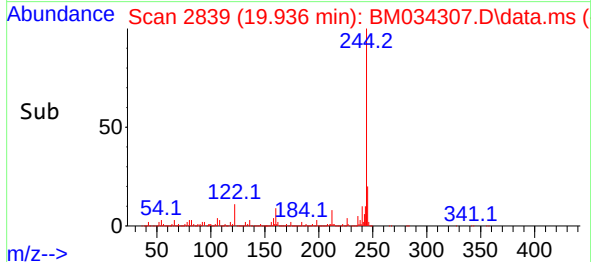
Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT4-2021



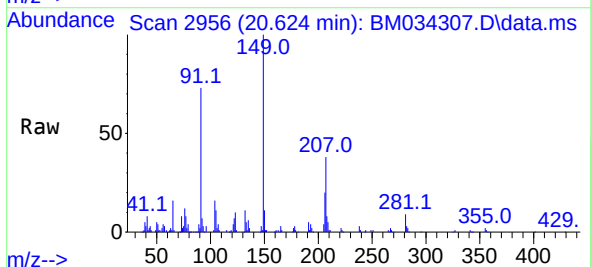
Tgt Ion:244 Resp: 368232
 Ion Ratio Lower Upper
 244 100
 212 7.8 5.9 8.9
 122 10.7 7.8 11.8

Manual Integrations
 APPROVED

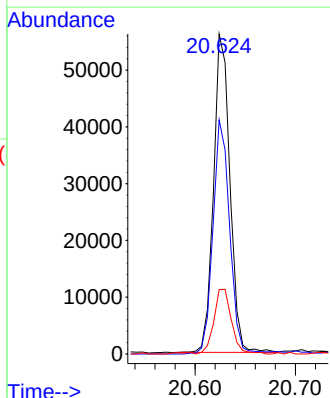
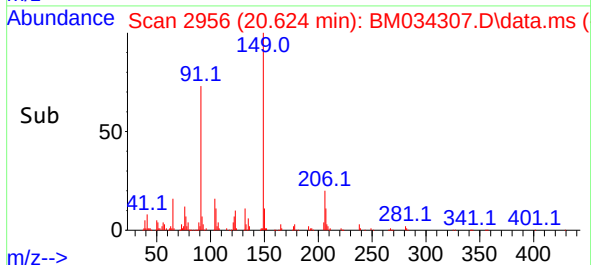
Reviewed By :Christian Giraldo 03/23/2022
 Supervised By :Jagrut Upadhyay 03/23/2022

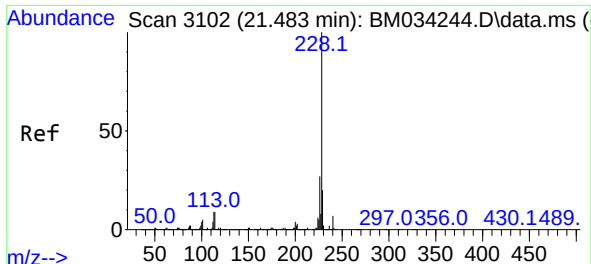


#80
 Butylbenzylphthalate
 Concen: 2.541 ng
 RT: 20.624 min Scan# 2956
 Delta R.T. -0.012 min
 Lab File: BM034307.D
 Acq: 22 Mar 2022 12:46



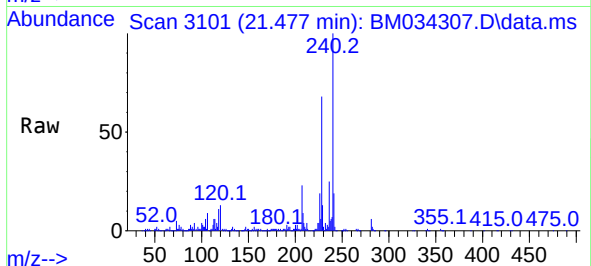
Tgt Ion:149 Resp: 63528
 Ion Ratio Lower Upper
 149 100
 91 73.2 58.5 87.7
 206 20.1 16.9 25.3





#81
Benzo(a)anthracene
Concen: 3.385 ng
RT: 21.477 min Scan# 3102
Delta R.T. -0.006 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

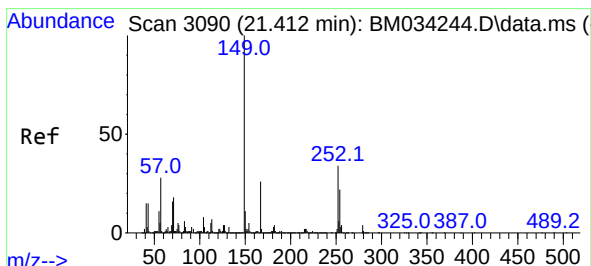
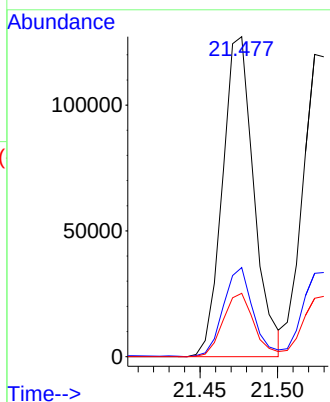
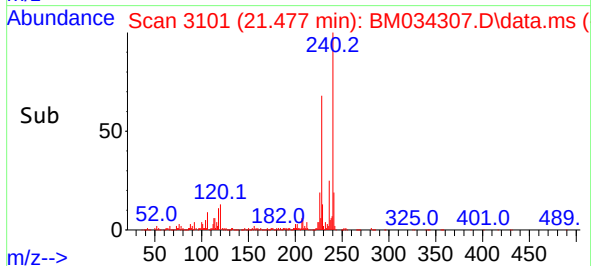
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021



Tgt Ion:228 Resp: 179302
Ion Ratio Lower Upper
228 100
226 27.9 21.6 32.4
229 19.8 15.8 23.6

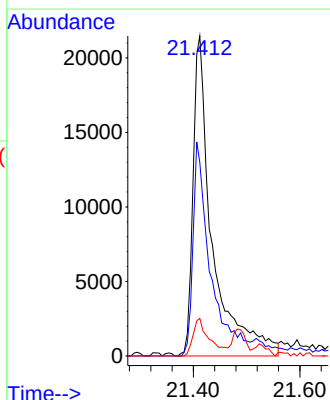
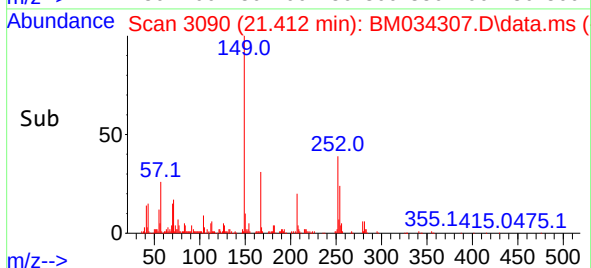
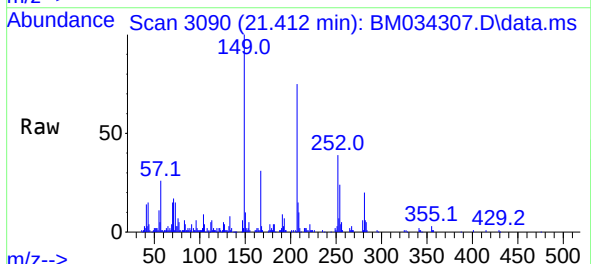
Manual Integrations
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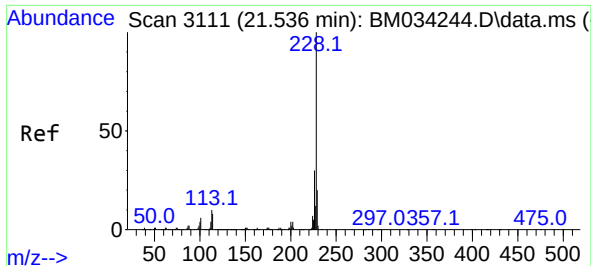
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#82
3,3'-Dichlorobenzidine
Concen: 3.064 ng
RT: 21.412 min Scan# 3090
Delta R.T. 0.000 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

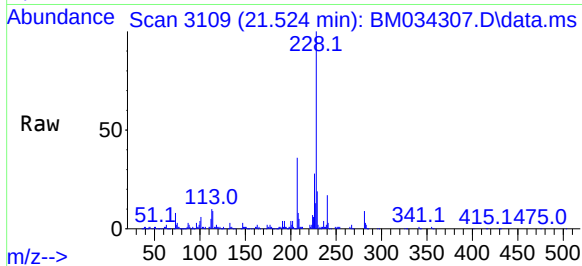
Tgt Ion:252 Resp: 54201
Ion Ratio Lower Upper
252 100
254 60.5 50.9 76.3
126 11.8 8.6 12.8





#83
Chrysene
Concen: 3.450 ng
RT: 21.524 min Scan# 3111
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

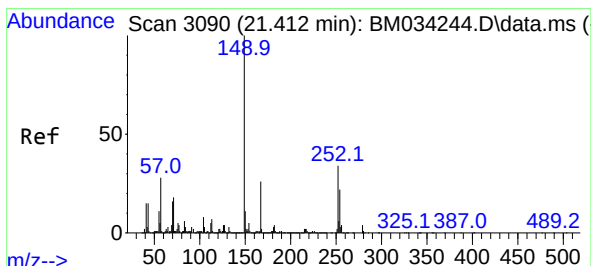
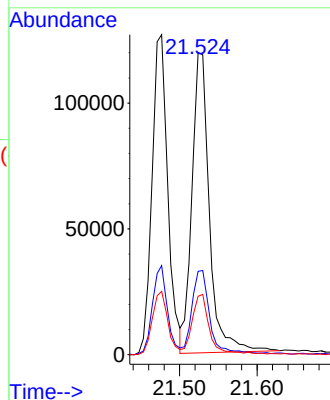
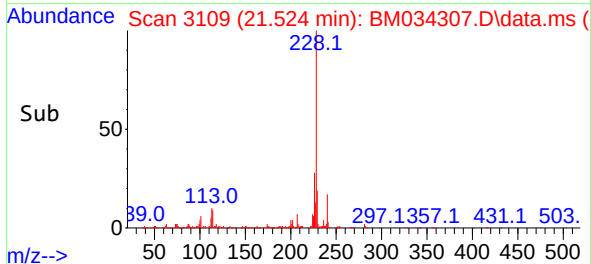
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021



Tgt Ion:228 Resp: 18661
Ion Ratio Lower Upper
228 100
226 27.6 23.8 35.6
229 19.4 15.6 23.4

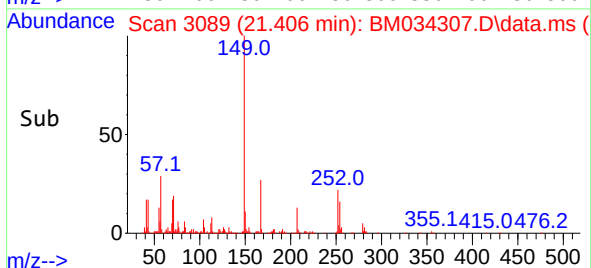
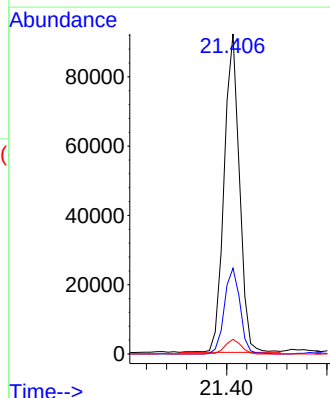
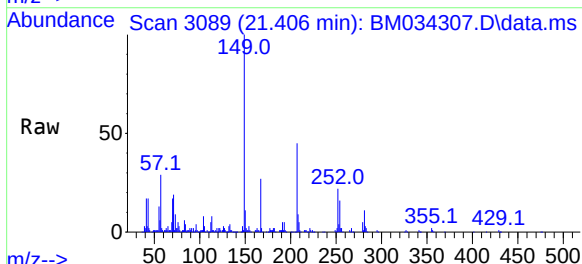
Manual Integrations
APPROVED

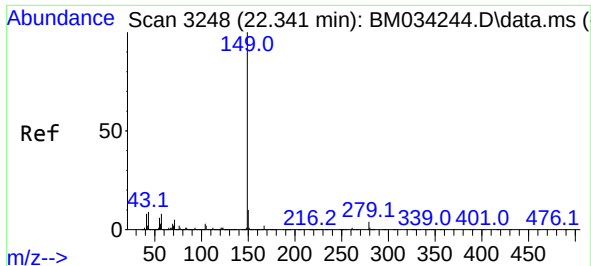
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 2.646 ng
RT: 21.406 min Scan# 3089
Delta R.T. -0.006 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

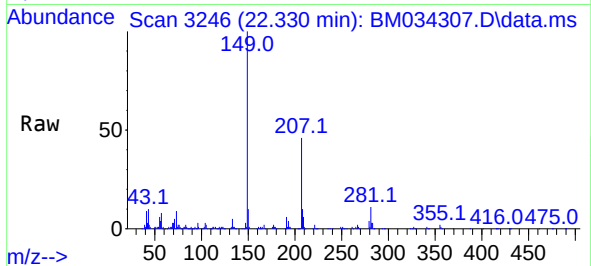
Tgt Ion:149 Resp: 97707
Ion Ratio Lower Upper
149 100
167 26.8 21.2 31.8
279 4.6 3.4 5.2





#85
Di-n-octyl phthalate
Concen: 2.906 ng
RT: 22.330 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

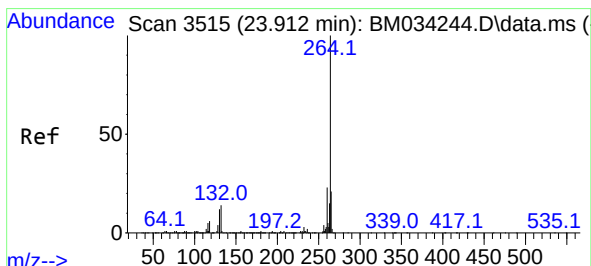
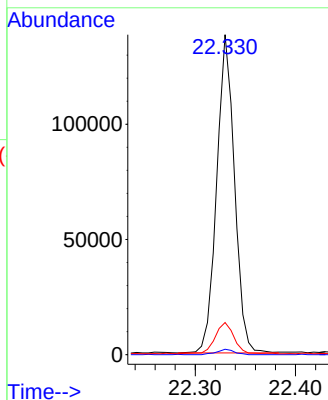
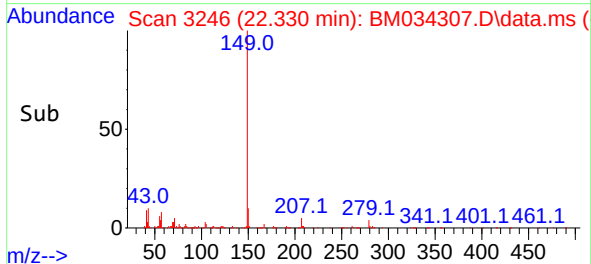
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021



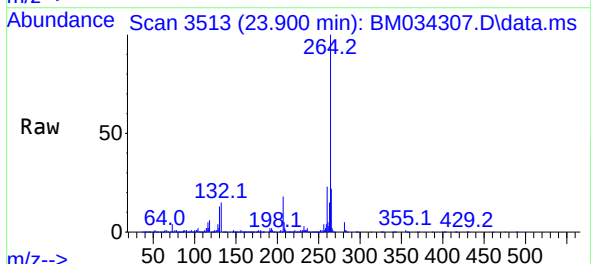
Tgt Ion:149 Resp: 170318
Ion Ratio Lower Upper
149 100
167 1.7 1.2 1.8
43 10.4 7.8 11.8

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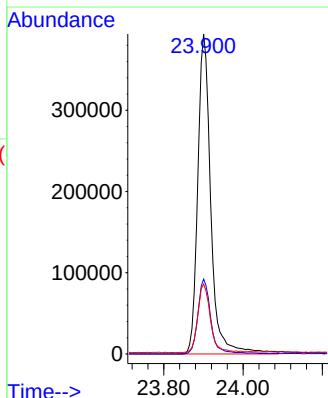
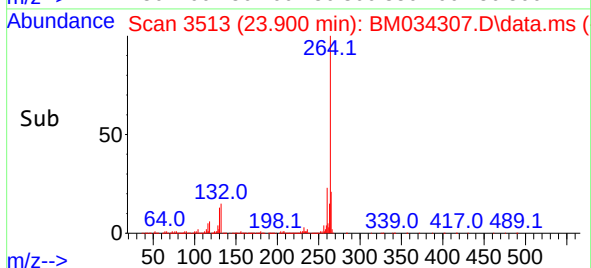
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

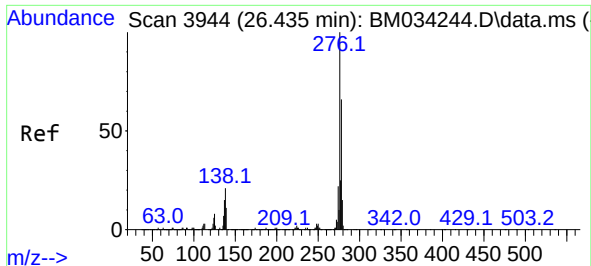


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.900 min Scan# 3513
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46



Tgt Ion:264 Resp: 900956
Ion Ratio Lower Upper
264 100
260 23.4 18.6 28.0
265 21.8 17.6 26.4





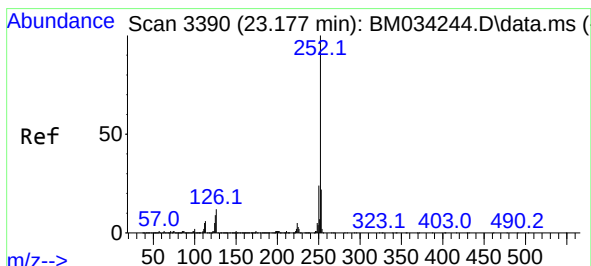
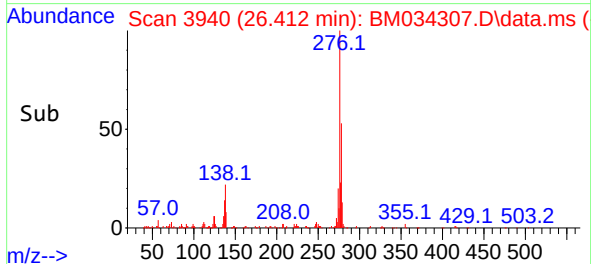
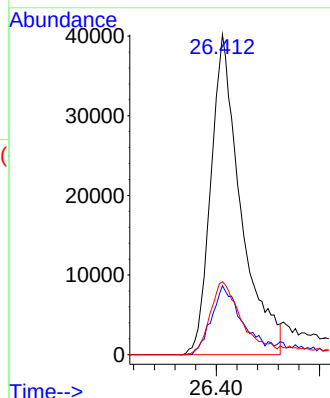
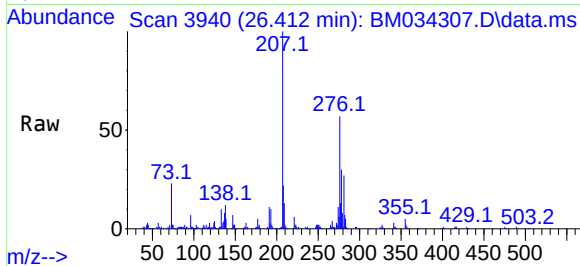
#87
Indeno(1,2,3-cd)pyrene
Concen: 2.783 ng
RT: 26.412 min Scan# 3944
Delta R.T. -0.023 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021

Tgt Ion:276 Resp: 16130
Ion Ratio Lower Upper
276 100
138 21.7 16.6 25.0
277 24.1 19.8 29.6

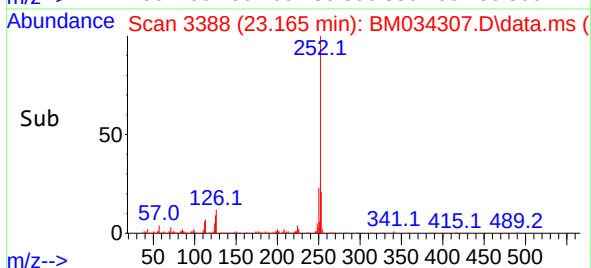
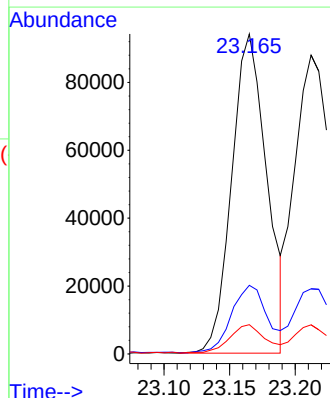
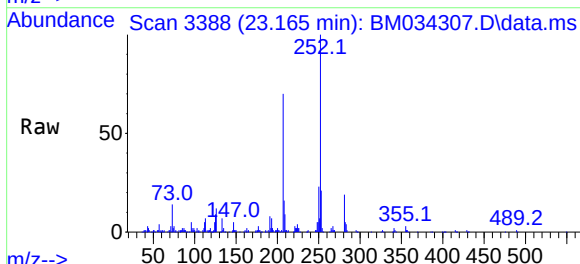
Manual Integrations
APPROVED

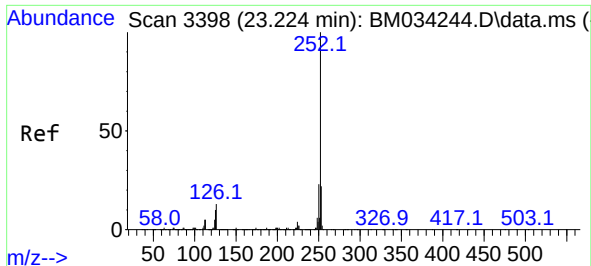
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#88
Benzo(b)fluoranthene
Concen: 3.251 ng
RT: 23.165 min Scan# 3388
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

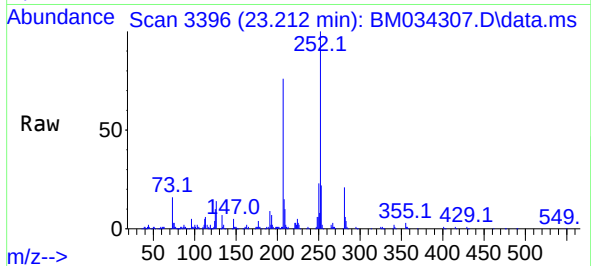
Tgt Ion:252 Resp: 175124
Ion Ratio Lower Upper
252 100
253 21.4 17.8 26.8
125 9.1 7.2 10.8





#89
Benzo(k)fluoranthene
Concen: 3.430 ng
RT: 23.212 min Scan# 31
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

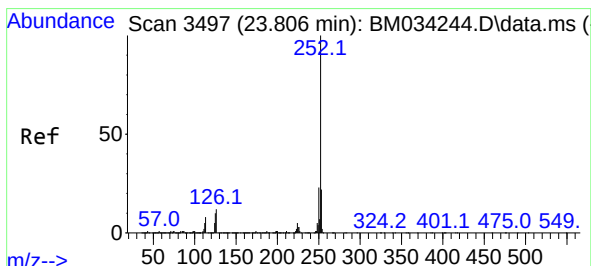
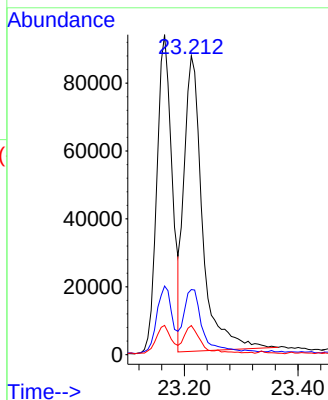
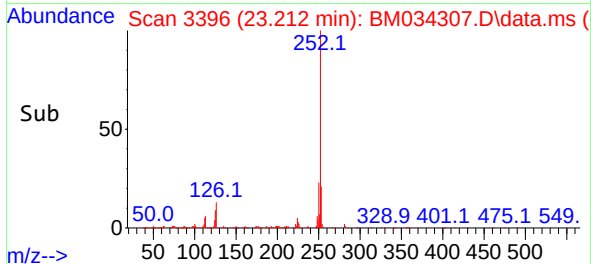
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021



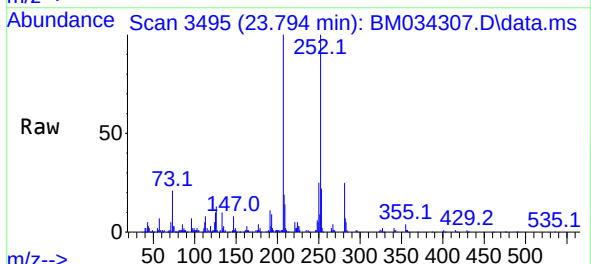
Tgt Ion:252 Resp: 19574
Ion Ratio Lower Upper
252 100
253 21.8 17.6 26.4
125 9.8 7.5 11.3

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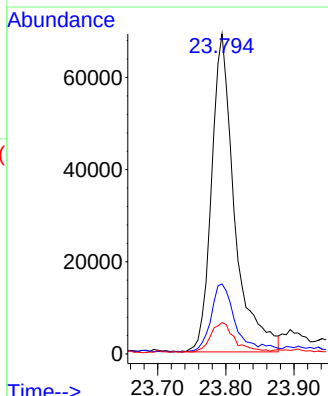
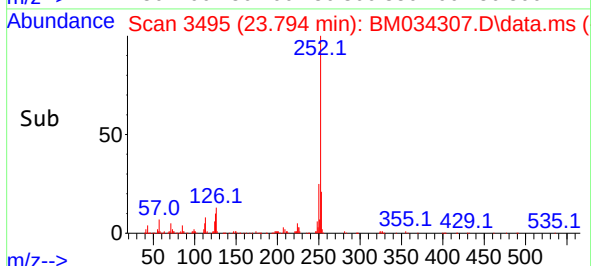
Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022

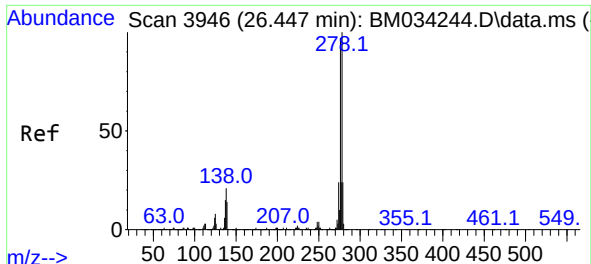


#90
Benzo(a)pyrene
Concen: 3.554 ng
RT: 23.794 min Scan# 3495
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46



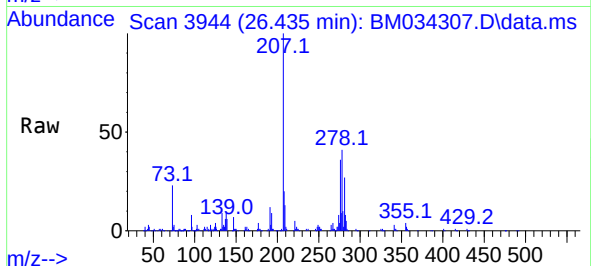
Tgt Ion:252 Resp: 162302
Ion Ratio Lower Upper
252 100
253 21.9 17.5 26.3
125 9.8 7.8 11.6





#91
Dibenzo(a,h)anthracene
Concen: 3.060 ng m
RT: 26.435 min Scan# 3946
Delta R.T. -0.012 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

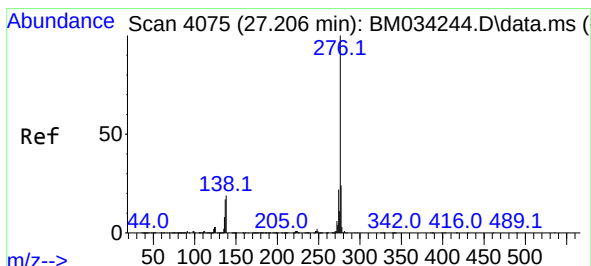
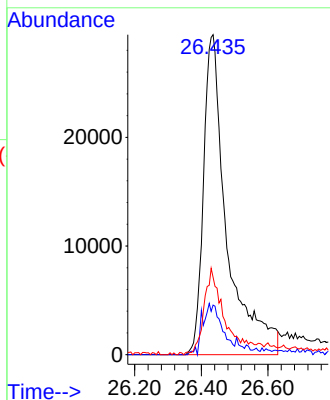
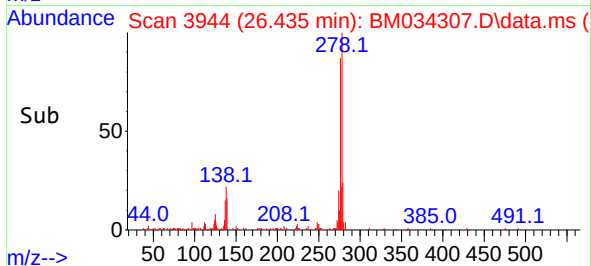
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT4-2021



Tgt Ion:278 Resp: 143810
Ion Ratio Lower Upper
278 100
139 15.5 11.2 16.8
279 24.2 19.2 28.8

Manual Integrations
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Reviewed By :Christian Giraldo 03/23/2022
Supervised By :Jagrut Upadhyay 03/23/2022



#92
Benzo(g,h,i)perylene
Concen: 3.437 ng
RT: 27.176 min Scan# 4070
Delta R.T. -0.029 min
Lab File: BM034307.D
Acq: 22 Mar 2022 12:46

Tgt Ion:276 Resp: 167204
Ion Ratio Lower Upper
276 100
277 23.0 19.0 28.4
138 18.9 15.6 23.4

