

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032122\
 Data File : BM034292.D
 Acq On : 21 Mar 2022 17:40
 Operator : CG/JU
 Sample : M4068-02
 Misc : LOQ-SOIL-5ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021

Quant Time: Mar 22 04:09:59 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM031522.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Mar 16 02:38:26 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian
 Giraldo

Supervised By :Jagrut
 Upadhyay
 03/22/2022

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

1) 1,4-Dichlorobenzene-d4	7.942	152	193576	20.000	ng	0.00
21) Naphthalene-d8	10.754	136	792805	20.000	ng	-0.01
39) Acenaphthene-d10	14.583	164	555707	20.000	ng	0.00
64) Phenanthrene-d10	17.324	188	1180612	20.000	ng	0.00
76) Chrysene-d12	21.495	240	1185763	20.000	ng	0.00
86) Perylene-d12	23.906	264	1136280	20.000	ng	0.00

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 Upadhyay

System Monitoring Compounds

5) 2-Fluorophenol	5.496	112	1122721	104.048	ng	0.00
7) Phenol-d6	7.101	99	1573351	101.839	ng	0.00
23) Nitrobenzene-d5	9.107	82	1193387	73.287	ng	0.00
42) 2,4,6-Tribromophenol	16.065	330	806725	107.704	ng	0.00
45) 2-Fluorobiphenyl	13.213	172	2793960	68.704	ng	0.00
79) Terphenyl-d14	19.942	244	4793580	70.245	ng	0.00

Target Compounds

Compound	R.T.	QIon	Response	Conc	Units	Qvalue
2) 1,4-Dioxane	3.355	88	22958	4.703	ng	94
3) Pyridine	3.772	79	52717	3.990	ng	# 92
4) n-Nitrosodimethylamine	3.672	42	29823	4.754	ng	# 93
6) Aniline	7.266	93	90552	5.129	ng	98
8) 2-Chlorophenol	7.501	128	59392	4.706	ng	94
9) Benzaldehyde	7.072	77	57146m	6.866	ng	
10) Phenol	7.125	94	71591	4.659	ng	89
11) bis(2-Chloroethyl)ether	7.360	93	61569	4.882	ng	98
12) 1,3-Dichlorobenzene	7.831	146	69298	4.841	ng	97
13) 1,4-Dichlorobenzene	7.978	146	70003	4.776	ng	99
14) 1,2-Dichlorobenzene	8.301	146	65938	4.615	ng	96
15) Benzyl Alcohol	8.178	79	51991	4.229	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.484	45	86406	4.992	ng	99
17) 2-Methylphenol	8.384	107	47063	4.373	ng	96
18) Hexachloroethane	9.037	117	24445	4.522	ng	95
19) n-Nitroso-di-n-propyla...	8.754	70	52325	4.682	ng	100
20) 3+4-Methylphenols	8.713	107	63300	4.253	ng	99
22) Acetophenone	8.766	105	97036	4.769	ng	97
24) Nitrobenzene	9.148	77	79934	5.258	ng	98
25) Isophorone	9.678	82	137179	5.034	ng	99
26) 2-Nitrophenol	9.866	139	27692	4.107	ng	96
27) 2,4-Dimethylphenol	9.925	122	51638	4.891	ng	98
28) bis(2-Chloroethoxy)met...	10.160	93	81239	4.657	ng	99
29) 2,4-Dichlorophenol	10.401	162	50732	4.136	ng	97
30) 1,2,4-Trichlorobenzene	10.619	180	65349	4.687	ng	98
31) Naphthalene	10.807	128	200206	4.847	ng	100
32) Benzoic acid	9.984	122	16529	1.893	ng	93
33) 4-Chloroaniline	10.913	127	69821	4.285	ng	96
34) Hexachlorobutadiene	11.101	225	41046	4.648	ng	94
35) Caprolactam	11.666	113	17385	4.077	ng	91
36) 4-Chloro-3-methylphenol	12.036	107	59655	4.244	ng	98
37) 2-Methylnaphthalene	12.419	142	141335	4.796	ng	96
38) 1-Methylnaphthalene	12.636	142	137126	4.756	ng	97
40) 1,2,4,5-Tetrachloroben...	12.783	216	76254	4.547	ng	100
41) Hexachlorocyclopentadiene	12.772	237	40991	4.221	ng	100
43) 2,4,6-Trichlorophenol	13.019	196	45635	3.942	ng	99

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Manual Integrations
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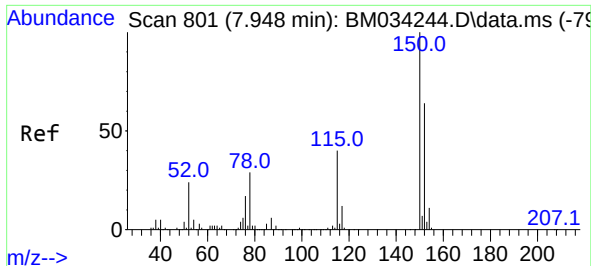
Reviewed By : Christian
 Giraldo

Supervised By : Jagrut
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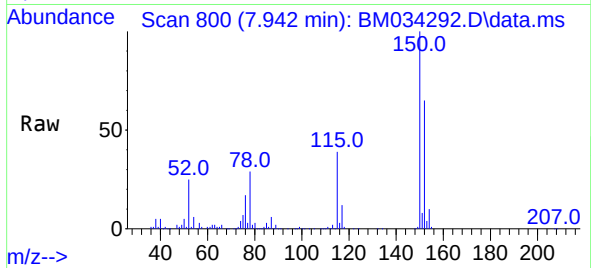
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44) 2,4,5-Trichlorophenol	13.089	196	48271	3.884	ng	96
46) 1,1'-Biphenyl	13.419	154	199511	4.709	ng	98
47) 2-Chloronaphthalene	13.460	162	147017	4.520	ng	99
48) 2-Nitroaniline	13.660	65	37439	3.765	ng	94
49) Acenaphthylene	14.307	152	239298	4.721	ng	99
50) Dimethylphthalate	14.036	163	192365	4.548	ng	100
51) 2,6-Dinitrotoluene	14.154	165	38391	4.425	ng	99
52) Acenaphthene	14.648	154	150446	4.406	ng	98
53) 3-Nitroaniline	14.483	138	31306	3.597	ng	# 99
54) 2,4-Dinitrophenol	14.683	184	12202	2.510	ng	94
55) Dibenzofuran	14.977	168	232825	4.576	ng	98
56) 4-Nitrophenol	14.783	139	18791	2.663	ng	93
57) 2,4-Dinitrotoluene	14.936	165	49120	4.189	ng	96
58) Fluorene	15.624	166	190098	4.602	ng	99
59) 2,3,4,6-Tetrachlorophenol	15.201	232	45285	4.041	ng	96
60) Diethylphthalate	15.395	149	200160	4.613	ng	99
61) 4-Chlorophenyl-phenyle...	15.618	204	94886	4.499	ng	96
62) 4-Nitroaniline	15.636	138	30378m	3.628	ng	
63) Azobenzene	15.913	77	189491	4.529	ng	99
65) 4,6-Dinitro-2-methylph...	15.695	198	24436	3.183	ng	91
66) n-Nitrosodiphenylamine	15.830	169	165025	4.400	ng	98
67) 4-Bromophenyl-phenylether	16.513	248	58212	4.289	ng	100
68) Hexachlorobenzene	16.636	284	69322	4.579	ng	99
69) Atrazine	16.777	200	59304	4.797	ng	99
70) Pentachlorophenol	16.971	266	35070	3.623	ng	98
71) Phenanthrene	17.365	178	304412	4.604	ng	100
72) Anthracene	17.454	178	285966	4.444	ng	99
73) Carbazole	17.724	167	239016	3.982	ng	99
74) Di-n-butylphthalate	18.289	149	321599	4.310	ng	99
75) Fluoranthene	19.377	202	343329	4.632	ng	99
77) Benzidine	19.559	184	81976m	4.718	ng	
78) Pyrene	19.736	202	365652	4.377	ng	99
80) Butylbenzylphthalate	20.630	149	135116	3.824	ng	99
81) Benzo(a)anthracene	21.477	228	343517	4.590	ng	98
82) 3,3'-Dichlorobenzidine	21.412	252	97367	3.895	ng	98
83) Chrysene	21.530	228	336273	4.400	ng	99
84) Bis(2-ethylhexyl)phtha...	21.406	149	208123	3.989	ng	99
85) Di-n-octyl phthalate	22.336	149	337278	4.072	ng	99
87) Indeno(1,2,3-cd)pyrene	26.418	276	263501	3.605	ng	98
88) Benzo(b)fluoranthene	23.171	252	313697	4.617	ng	99
89) Benzo(k)fluoranthene	23.218	252	337785	4.693	ng	99
90) Benzo(a)pyrene	23.800	252	279620	4.854	ng	97
91) Dibenzo(a,h)anthracene	26.435	278	213567	3.603	ng	98
92) Benzo(g,h,i)perylene	27.194	276	243027	3.962	ng	97

(#) = 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: BM034292.D
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Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



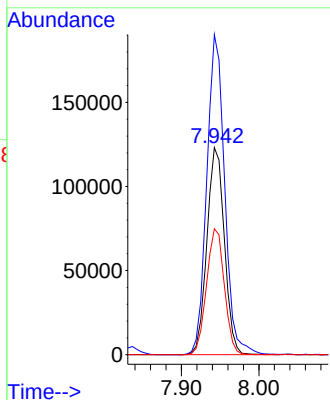
Tgt Ion:152 Resp: 193570
Ion Ratio Lower Upper
152 100
150 154.6 125.4 188.2
115 60.8 50.1 75.1

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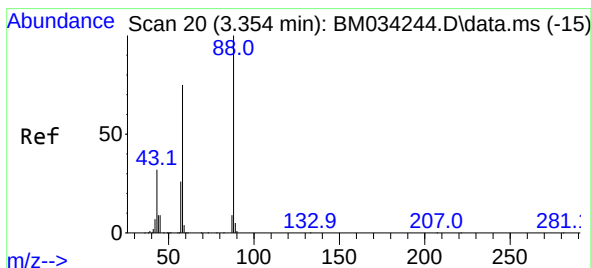
Reviewed By :Christian
Giraldo

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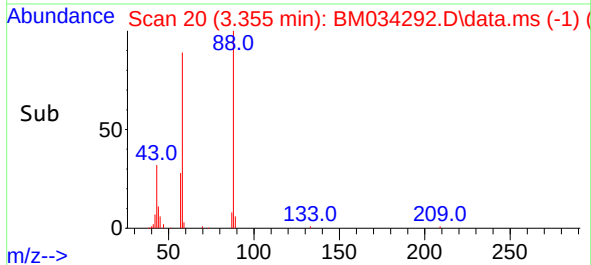
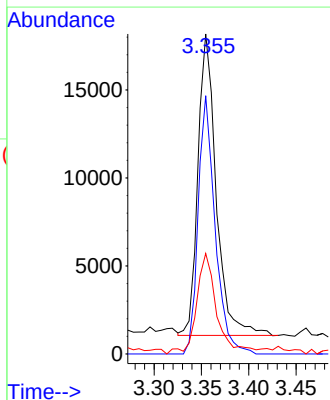
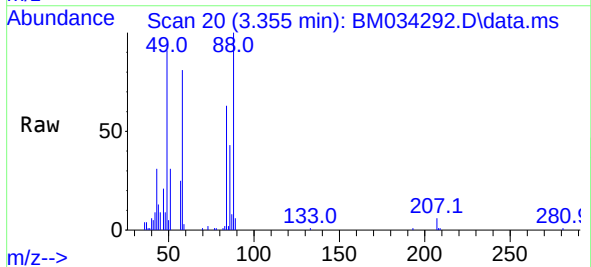


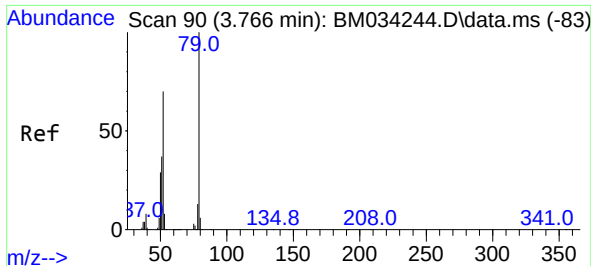
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#2
1,4-Dioxane
Concen: 4.703 ng
RT: 3.355 min Scan# 20
Delta R.T. 0.000 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

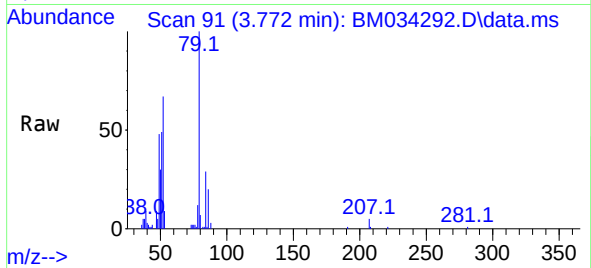
Tgt Ion: 88 Resp: 22958
Ion Ratio Lower Upper
88 100
58 79.5 60.4 90.6
43 36.7 25.4 38.0





#3
Pyridine
Concen: 3.990 ng
RT: 3.772 min Scan# 91
Delta R.T. 0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion: 79 Resp: 5271
Ion Ratio Lower Upper
79 100
52 67.2 56.1 84.1
51 48.5 30.4 45.6

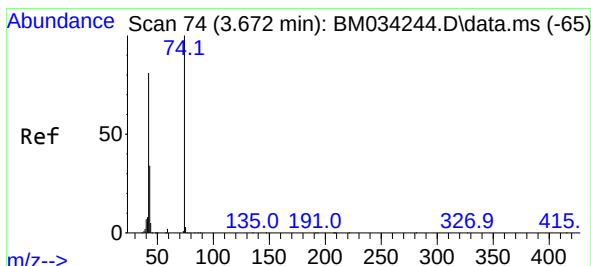
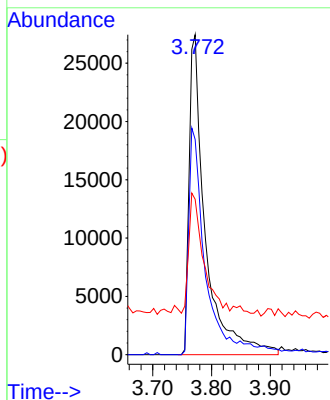
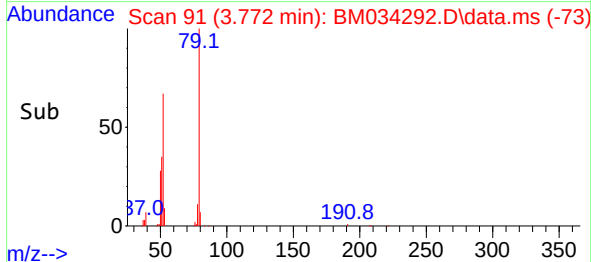
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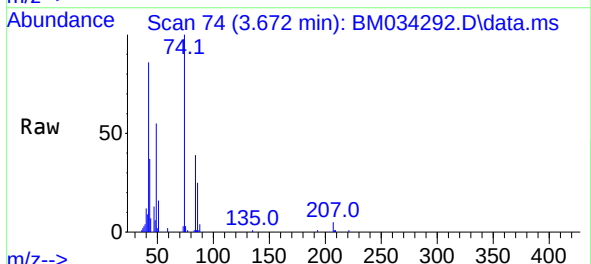
Supervised By :Jagrut
Upadhyay
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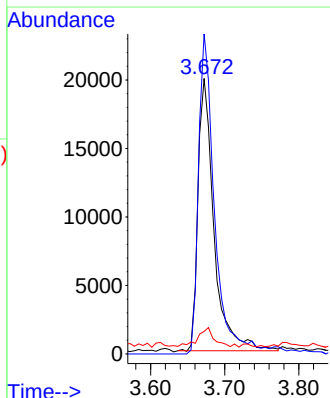
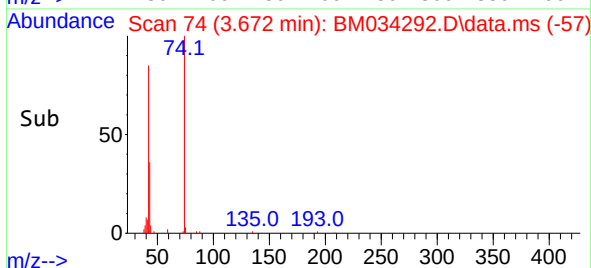
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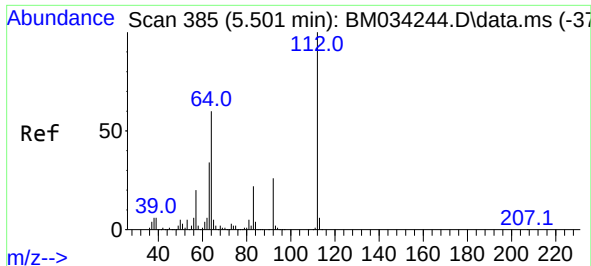


#4
n-Nitrosodimethylamine
Concen: 4.754 ng
RT: 3.672 min Scan# 74
Delta R.T. 0.000 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40



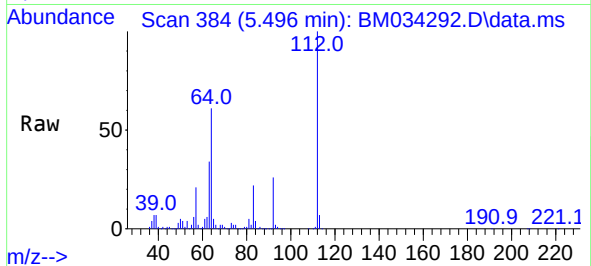
Tgt Ion: 42 Resp: 29823
Ion Ratio Lower Upper
42 100
74 116.1 99.3 148.9
44 8.2 5.0 7.6





#5
2-Fluorophenol
Concen: 104.048 ng
RT: 5.496 min Scan# 384
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
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ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion: 112 Resp: 112272
Ion Ratio Lower Upper
112 100
64 61.3 47.9 71.9
63 34.4 27.1 40.7

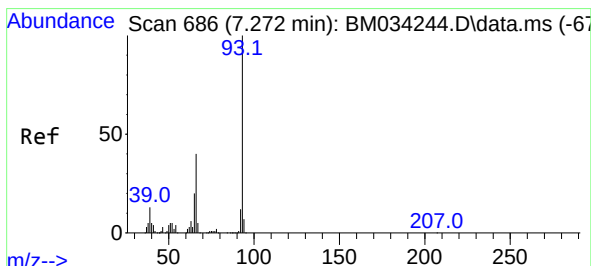
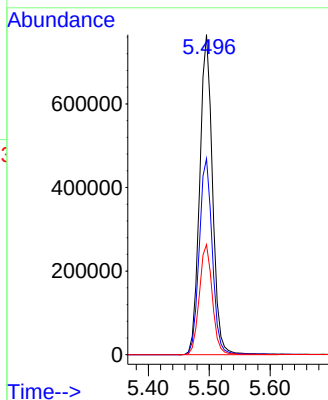
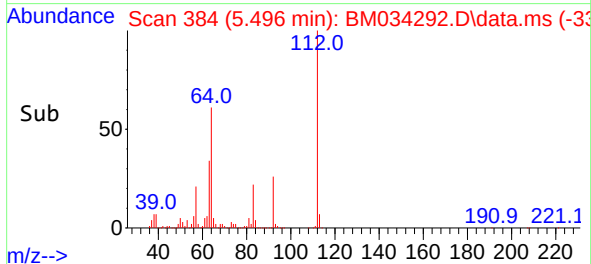
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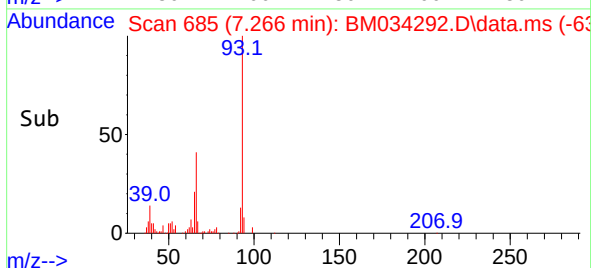
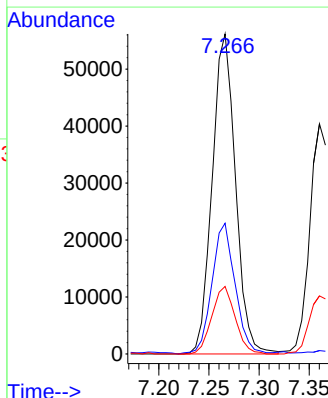
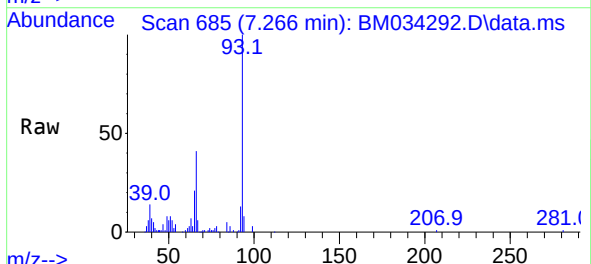
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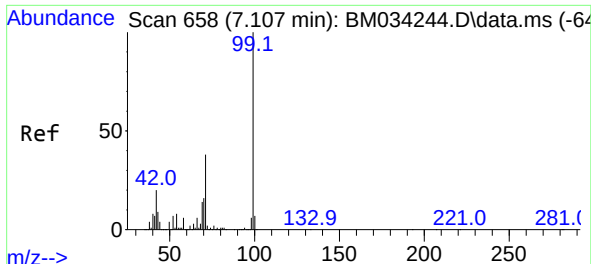
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#6
Aniline
Concen: 5.129 ng
RT: 7.266 min Scan# 685
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

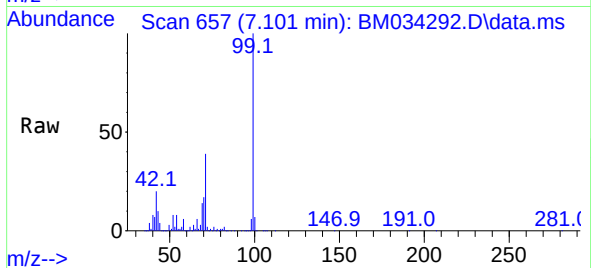
Tgt Ion: 93 Resp: 90552
Ion Ratio Lower Upper
93 100
66 40.8 31.9 47.9
65 21.1 16.2 24.4





#7
Phenol-d6
Concen: 101.839 ng
RT: 7.101 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



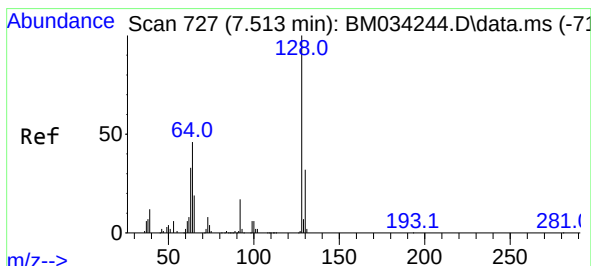
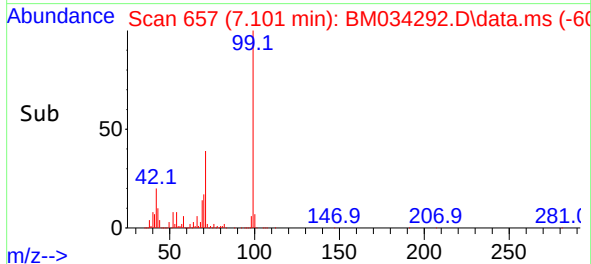
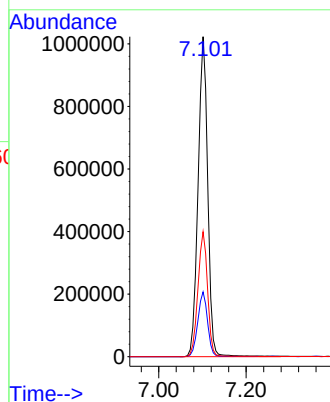
Tgt Ion: 99 Resp: 157335
Ion Ratio Lower Upper
99 100
42 20.2 15.6 23.4
71 39.0 30.6 46.0

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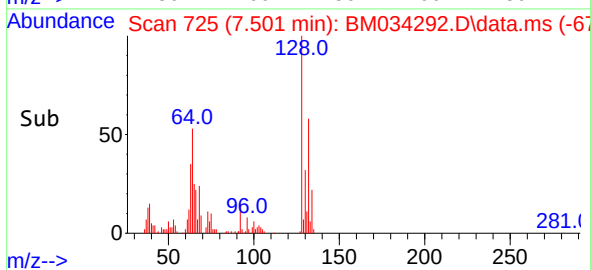
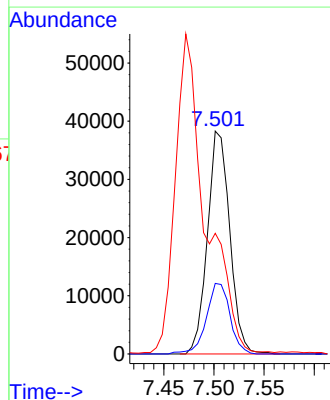
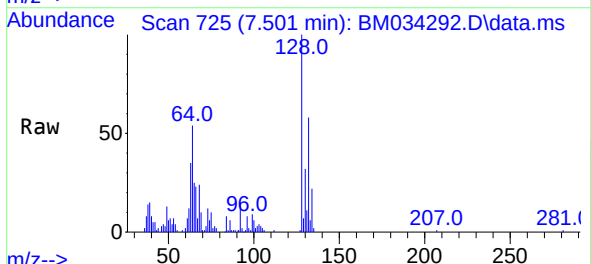
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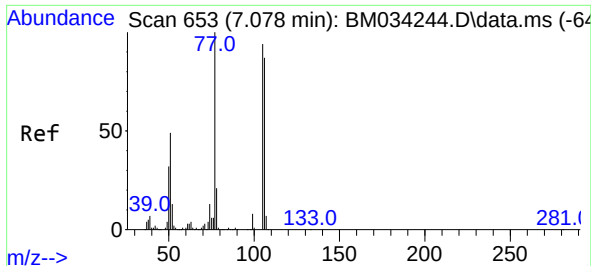
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#8
2-Chlorophenol
Concen: 4.706 ng
RT: 7.501 min Scan# 725
Delta R.T. -0.012 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

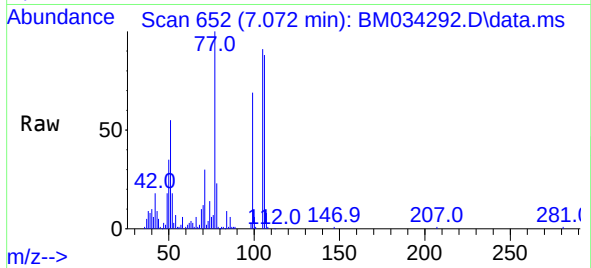
Tgt Ion:128 Resp: 59392
Ion Ratio Lower Upper
128 100
130 31.7 12.3 52.3
64 54.1 28.1 68.1





#9
Benzaldehyde
Concen: 6.866 ng m
RT: 7.072 min Scan# 61
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



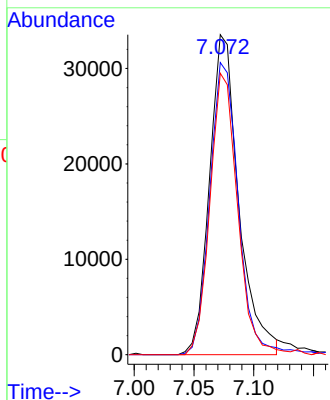
Tgt Ion: 77 Resp: 5714
Ion Ratio Lower Upper
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106 88.0 67.2 107.2

Manual Integrations
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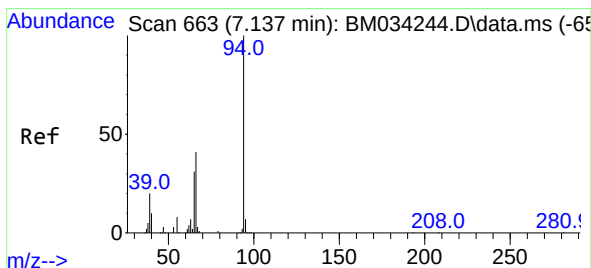
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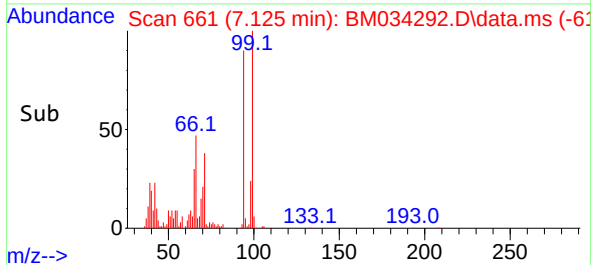
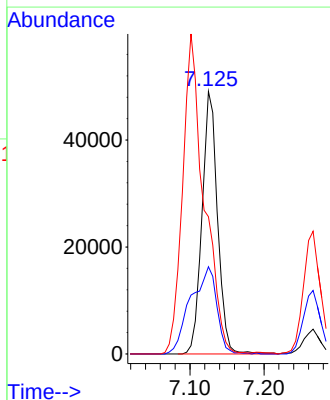
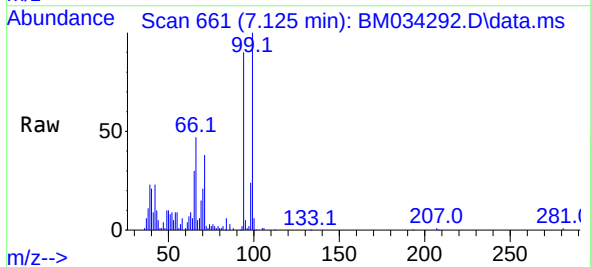


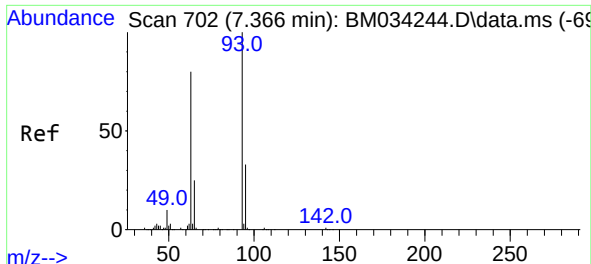
03/22/2022



#10
Phenol
Concen: 4.659 ng
RT: 7.125 min Scan# 661
Delta R.T. -0.012 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

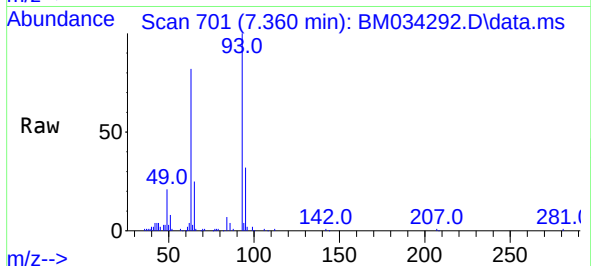
Tgt Ion: 94 Resp: 71591
Ion Ratio Lower Upper
94 100
65 33.2 10.9 50.9
66 52.3 22.0 62.0





#11
bis(2-Chloroethyl)ether
Concen: 4.882 ng
RT: 7.360 min Scan# 702
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion: 93 Resp: 61569
Ion Ratio Lower Upper
93 100
63 82.2 59.6 99.6
95 32.1 12.6 52.6

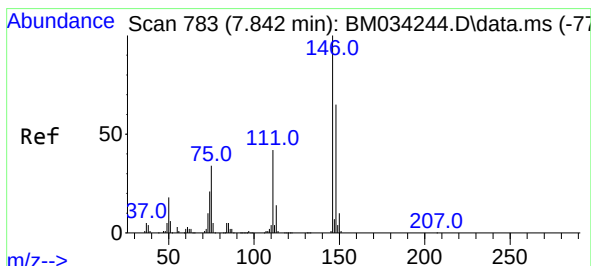
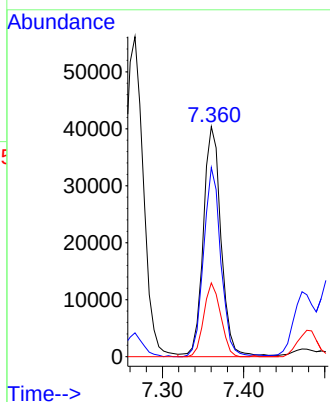
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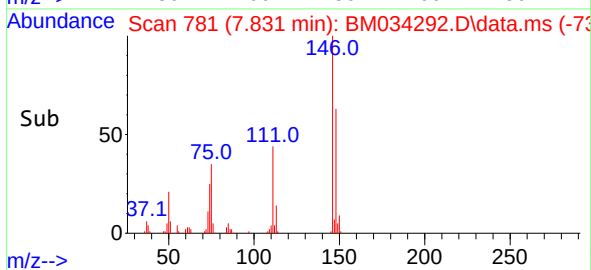
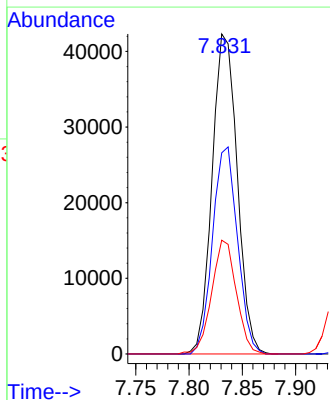
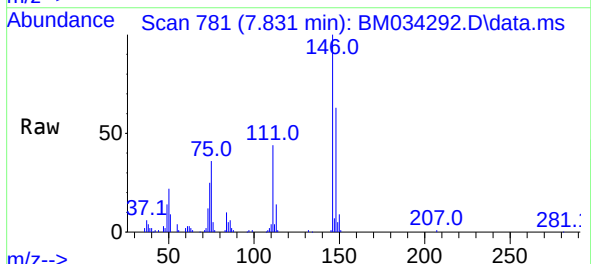
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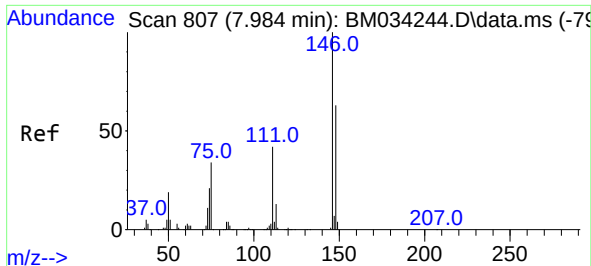
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#12
1,3-Dichlorobenzene
Concen: 4.841 ng
RT: 7.831 min Scan# 781
Delta R.T. -0.012 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

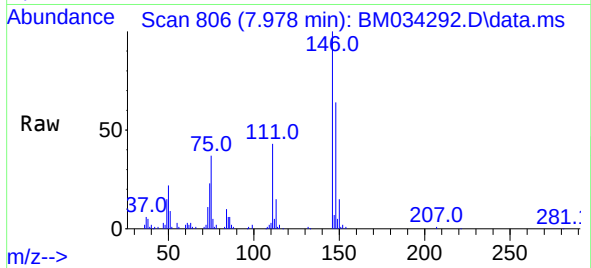
Tgt Ion:146 Resp: 69298
Ion Ratio Lower Upper
146 100
148 62.9 51.8 77.8
75 35.5 27.1 40.7





#13
1,4-Dichlorobenzene
Concen: 4.776 ng
RT: 7.978 min Scan# 807
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
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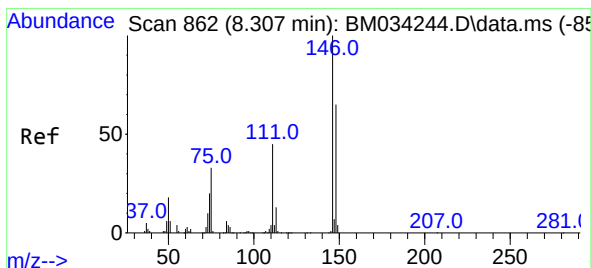
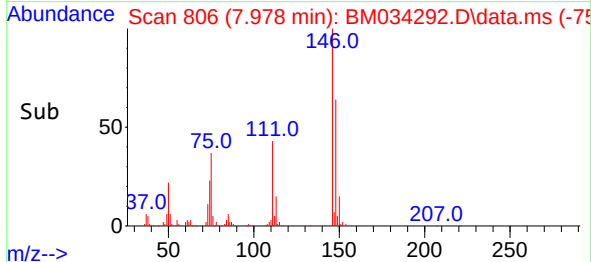
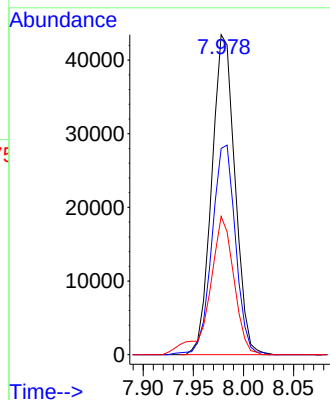
Tgt Ion:146 Resp: 7000
Ion Ratio Lower Upper
146 100
148 64.4 50.6 76.0
111 43.2 34.0 51.0

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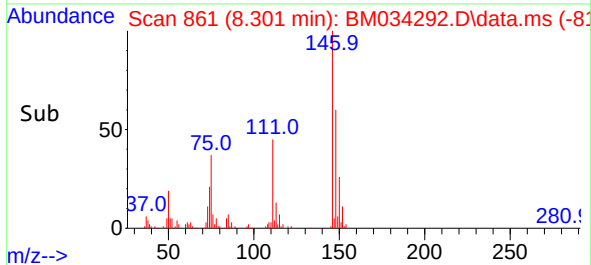
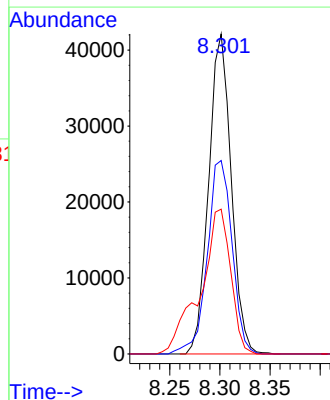
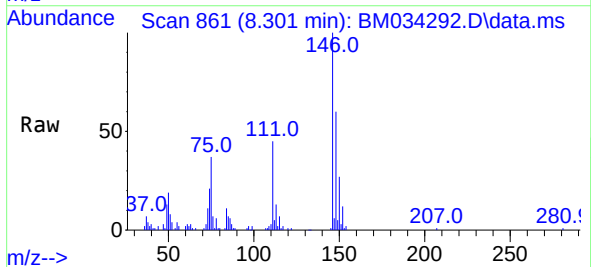
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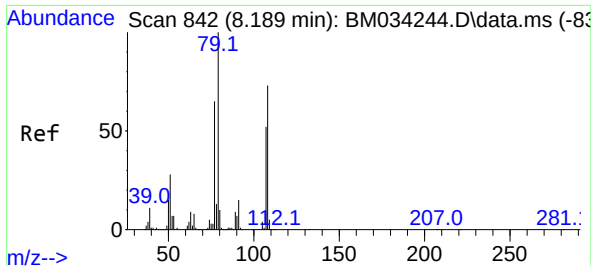
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#14
1,2-Dichlorobenzene
Concen: 4.615 ng
RT: 8.301 min Scan# 861
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

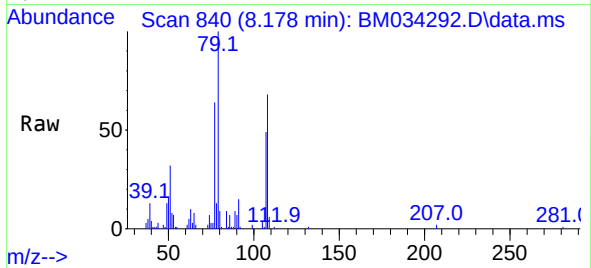
Tgt Ion:146 Resp: 65938
Ion Ratio Lower Upper
146 100
148 60.4 52.2 78.4
111 45.3 35.8 53.8





#15
Benzyl Alcohol
Concen: 4.229 ng
RT: 8.178 min Scan# 84
Delta R.T. -0.012 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion: 79 Resp: 5199
Ion Ratio Lower Upper
79 100
108 67.8 58.1 87.1
77 63.7 51.8 77.6

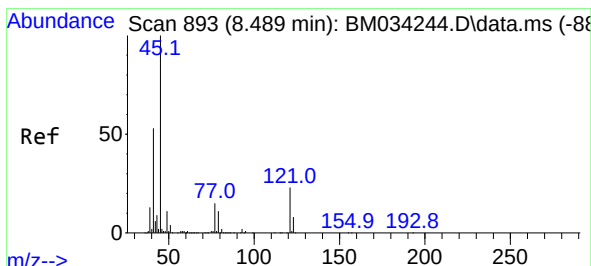
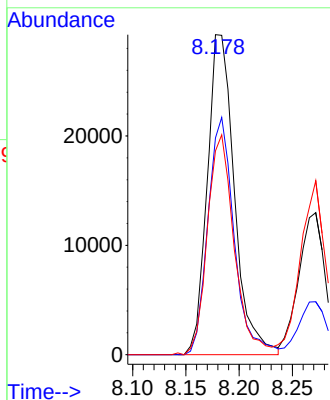
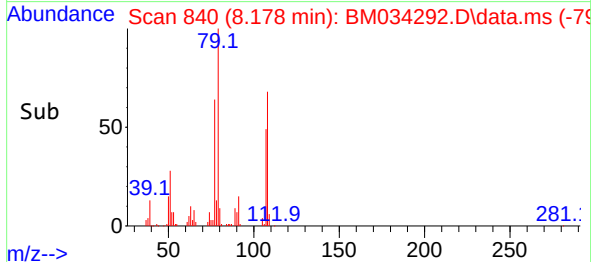
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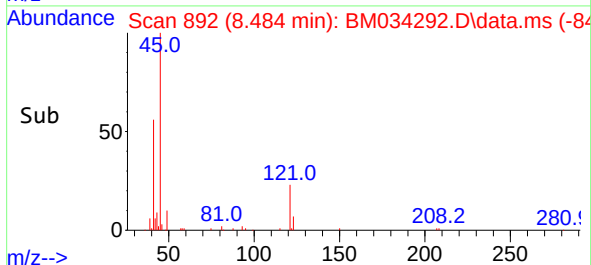
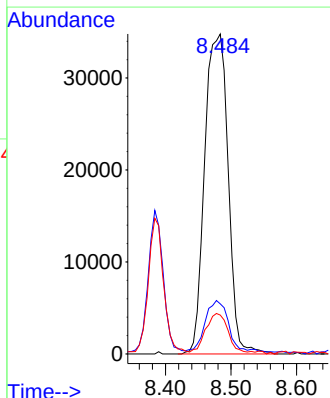
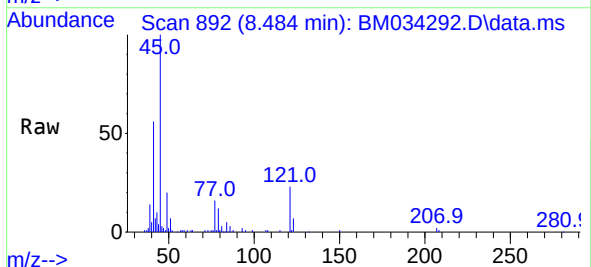
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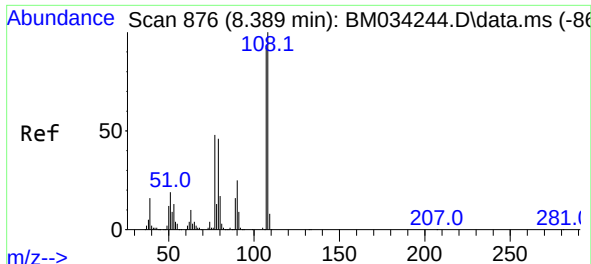
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.992 ng
RT: 8.484 min Scan# 892
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

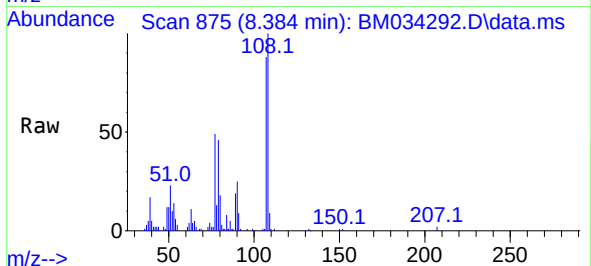
Tgt Ion: 45 Resp: 86406
Ion Ratio Lower Upper
45 100
77 15.6 0.0 35.7
79 12.2 0.0 31.7





#17
2-Methylphenol
Concen: 4.373 ng
RT: 8.384 min Scan# 81
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion:107 Resp: 4706

Ion	Ratio	Lower	Upper
107	100		
108	113.4	87.3	130.9
77	55.1	41.6	62.4
79	52.2	40.4	60.6

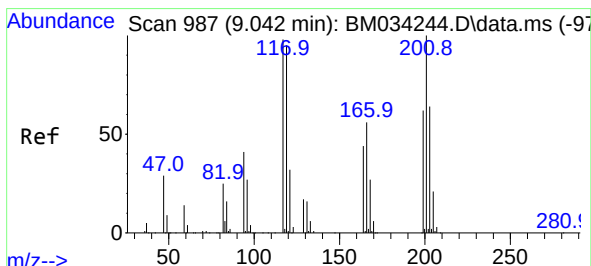
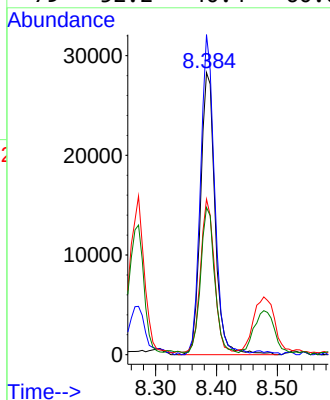
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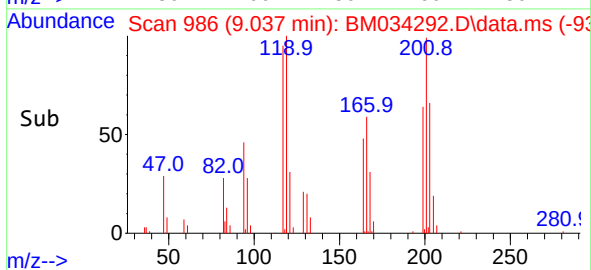
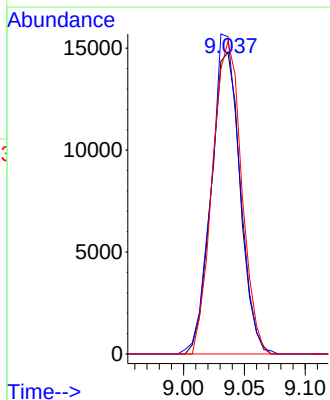
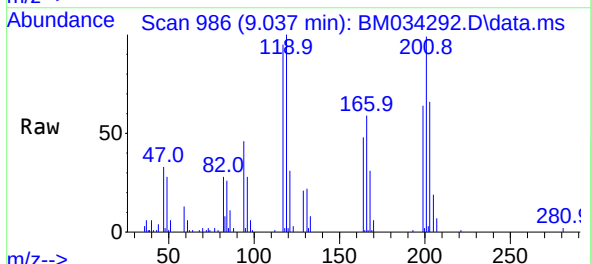
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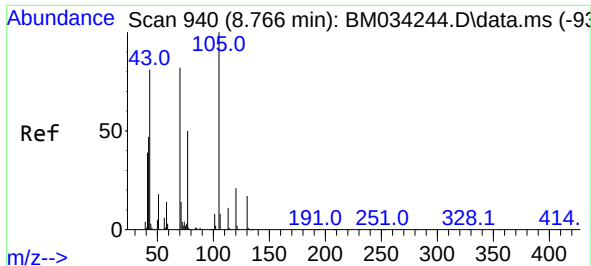


#18
Hexachloroethane
Concen: 4.522 ng
RT: 9.037 min Scan# 986
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Tgt Ion:117 Resp: 24445

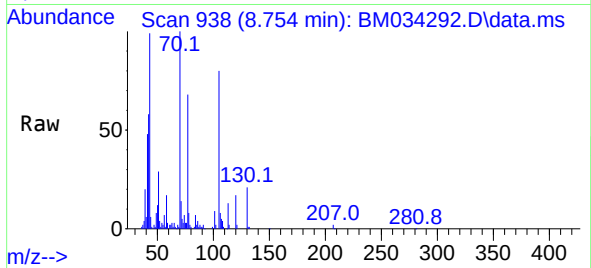
Ion	Ratio	Lower	Upper
117	100		
119	105.3	77.4	116.0
201	103.7	81.6	122.4





#19
n-Nitroso-di-n-propylamine
Concen: 4.682 ng
RT: 8.754 min Scan# 91
Delta R.T. -0.012 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
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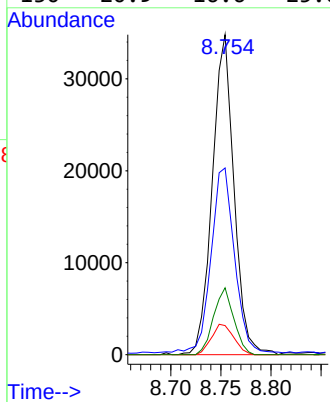
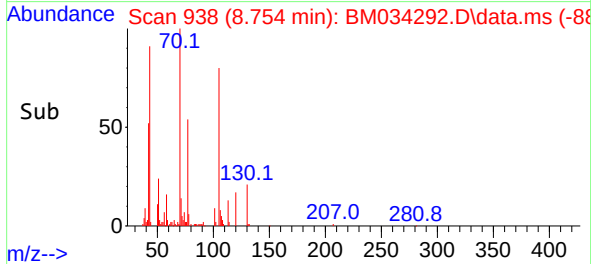
Tgt Ion: 70 Resp: 5232
Ion Ratio Lower Upper
70 100
42 58.3 46.7 70.1
101 9.1 7.8 11.6
130 20.9 16.6 25.0

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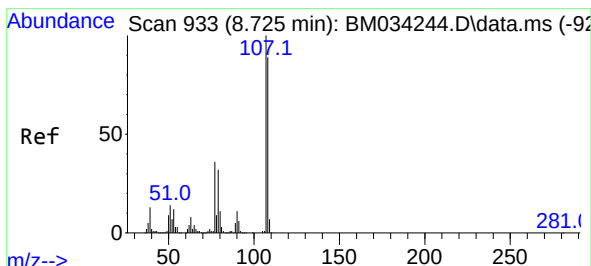
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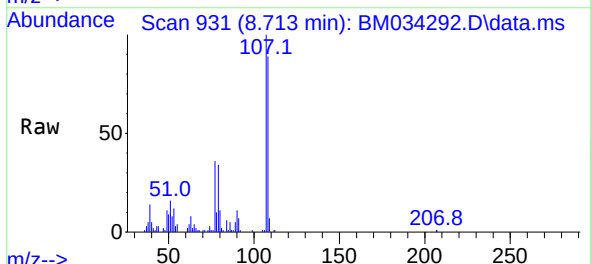
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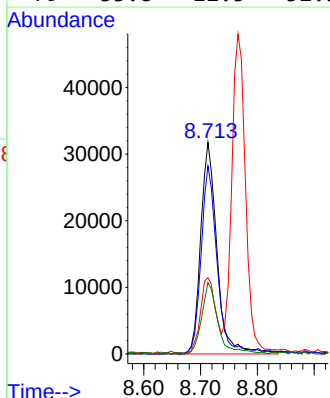
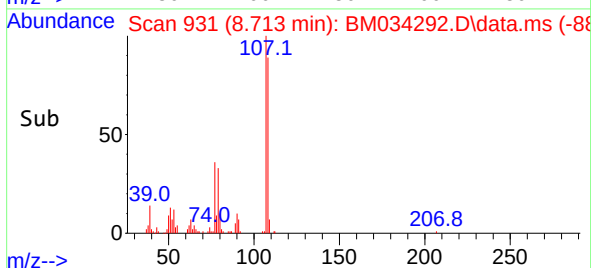
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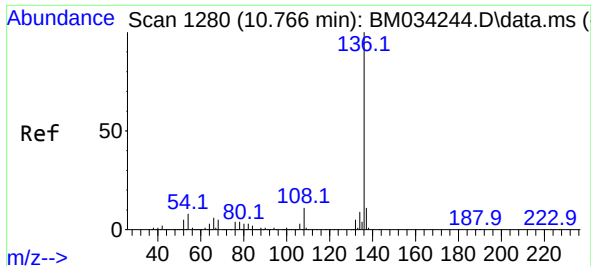


#20
3+4-Methylphenols
Concen: 4.253 ng
RT: 8.713 min Scan# 931
Delta R.T. -0.012 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40



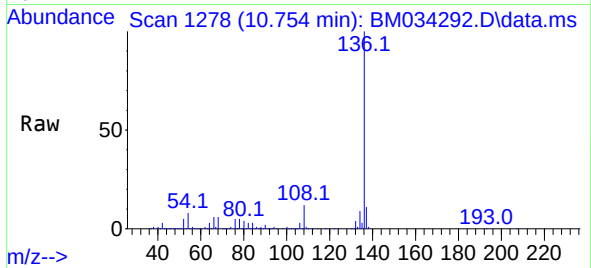
Tgt Ion:107 Resp: 63300
Ion Ratio Lower Upper
107 100
108 88.9 69.2 109.2
77 36.1 16.5 56.5
79 33.8 12.5 52.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.754 min Scan# 11
Delta R.T. -0.012 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion:136 Resp: 79280

Ion	Ratio	Lower	Upper
136	100		
137	11.1	8.6	13.0
54	8.4	6.2	9.4
68	5.6	4.3	6.5

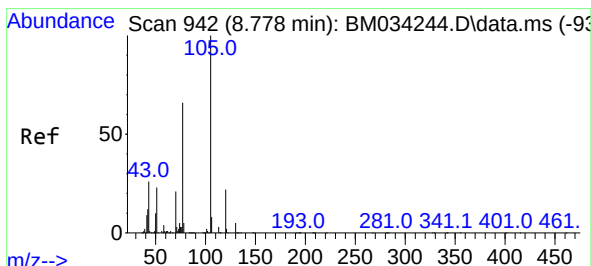
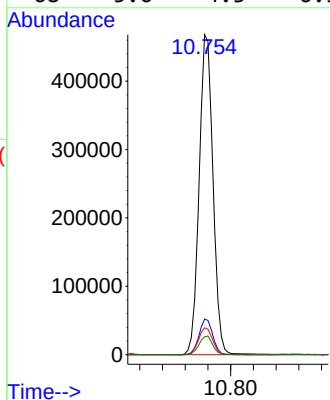
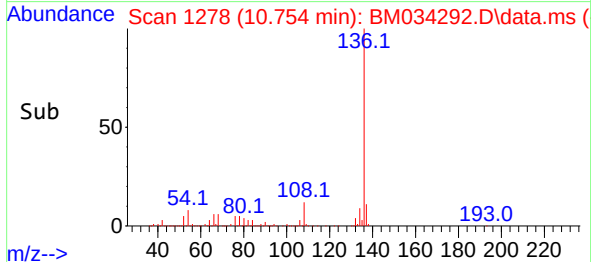
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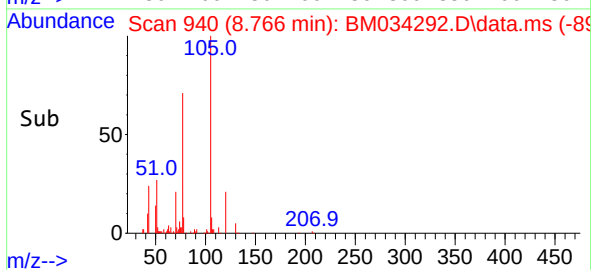
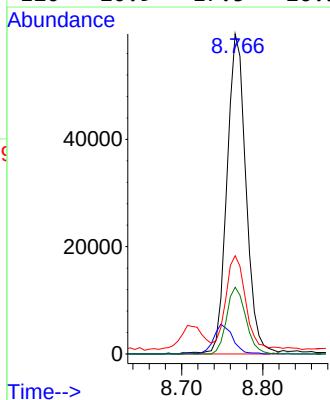
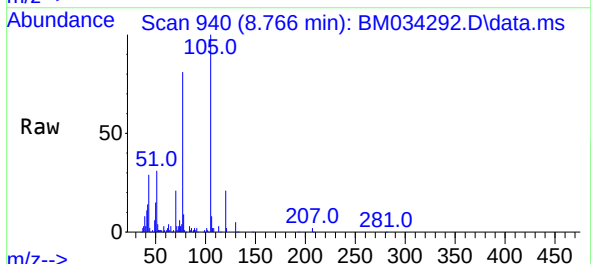
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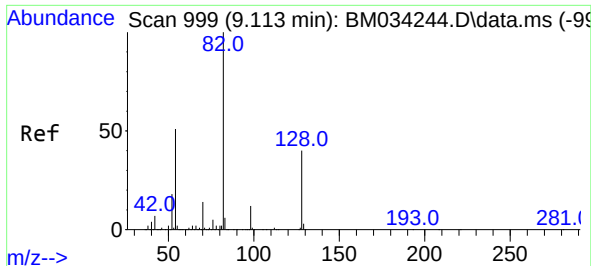


#22
Acetophenone
Concen: 4.769 ng
RT: 8.766 min Scan# 940
Delta R.T. -0.012 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Tgt Ion:105 Resp: 97036

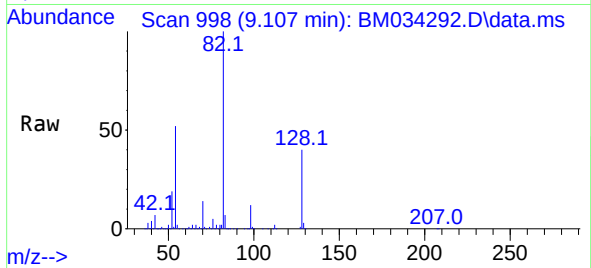
Ion	Ratio	Lower	Upper
105	100		
71	3.3	3.0	4.4
51	30.7	22.6	33.8
120	20.9	17.5	26.3





#23
Nitrobenzene-d5
Concen: 73.287 ng
RT: 9.107 min Scan# 91
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion: 82 Resp: 119338
Ion Ratio Lower Upper
82 100
128 39.5 31.9 47.9
54 52.2 40.6 61.0

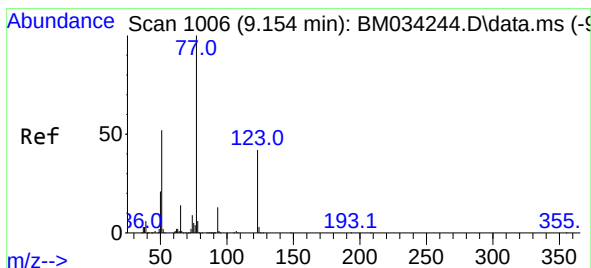
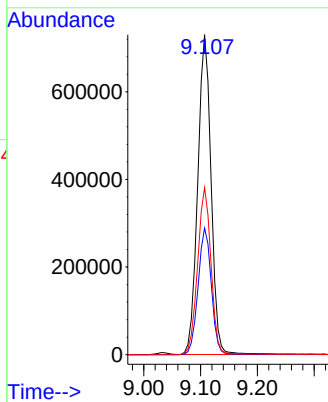
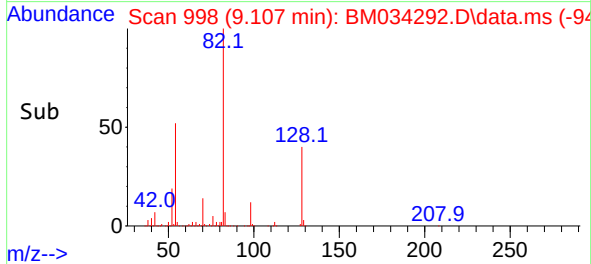
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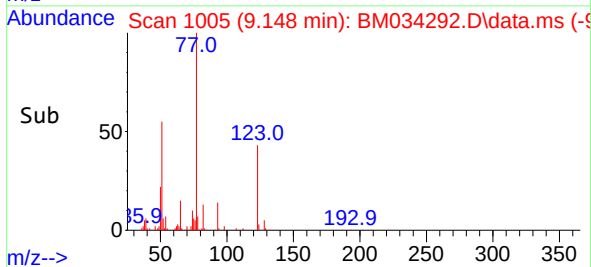
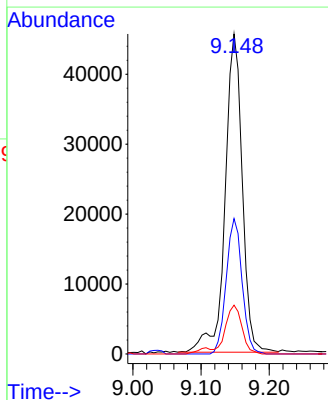
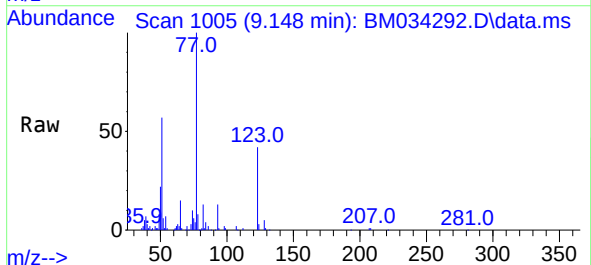
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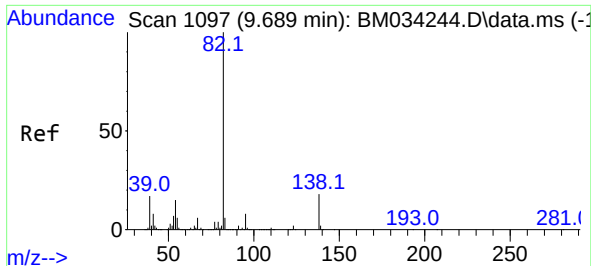
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#24
Nitrobenzene
Concen: 5.258 ng
RT: 9.148 min Scan# 1005
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

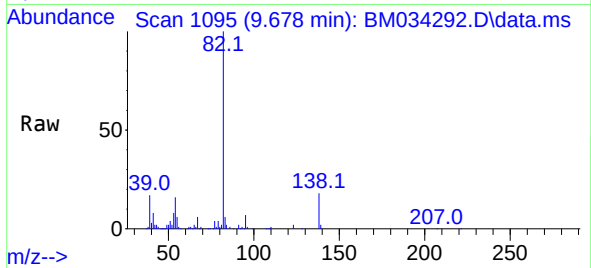
Tgt Ion: 77 Resp: 79934
Ion Ratio Lower Upper
77 100
123 42.3 33.3 49.9
65 15.2 11.0 16.4





#25
Isophorone
Concen: 5.034 ng
RT: 9.678 min Scan# 1095
Delta R.T. -0.012 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion: 82 Resp: 137179
Ion Ratio Lower Upper
82 100
95 7.4 6.6 9.8
138 17.7 14.4 21.6

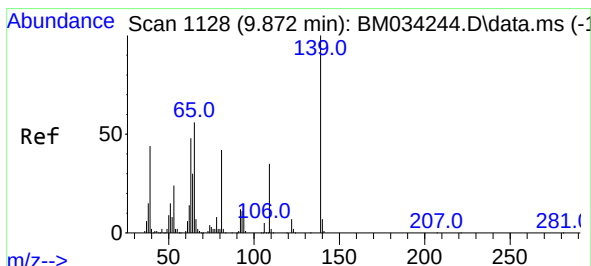
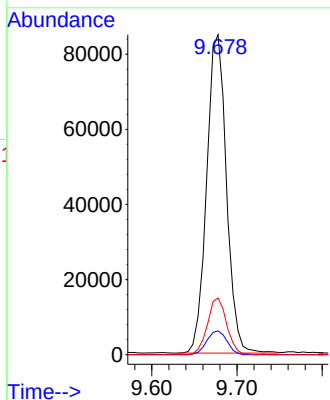
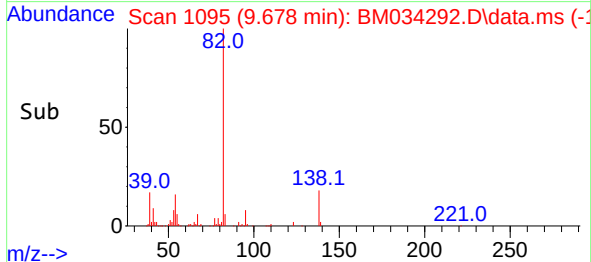
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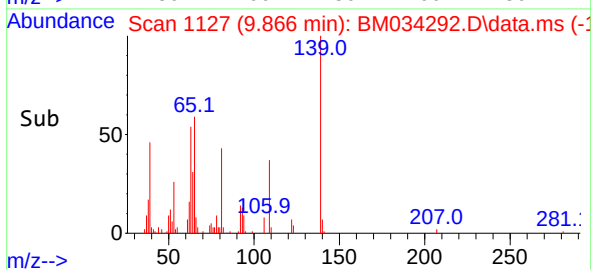
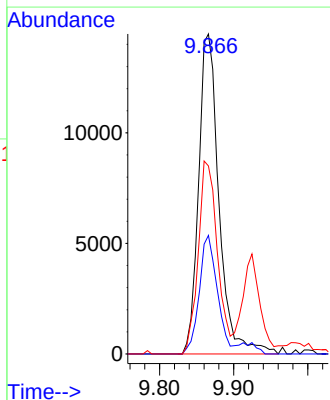
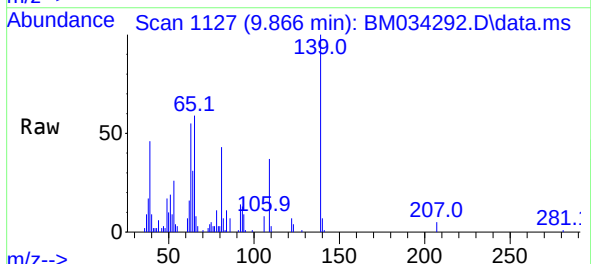
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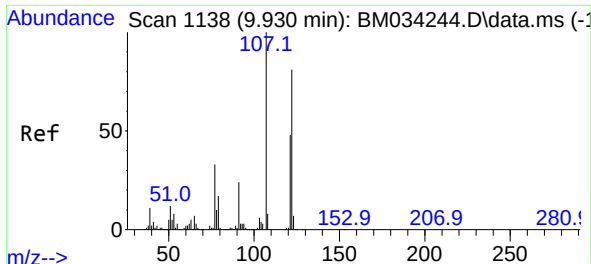
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#26
2-Nitrophenol
Concen: 4.107 ng
RT: 9.866 min Scan# 1127
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Tgt Ion:139 Resp: 27692
Ion Ratio Lower Upper
139 100
109 37.1 28.1 42.1
65 58.7 44.6 67.0





#27

2,4-Dimethylphenol

Concen: 4.891 ng

RT: 9.925 min Scan# 1138

Delta R.T. -0.006 min

Lab File: BM034292.D

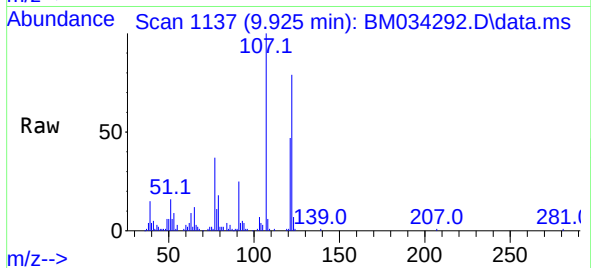
Acq: 21 Mar 2022 17:40

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2021



Tgt Ion:122 Resp: 51638

Ion Ratio Lower Upper

122 100

107 127.2 99.0 148.6

121 59.6 47.7 71.5

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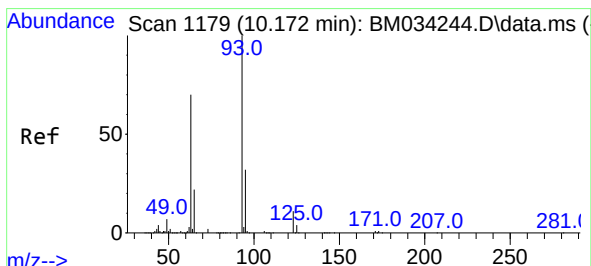
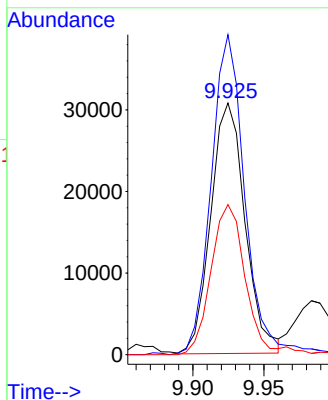
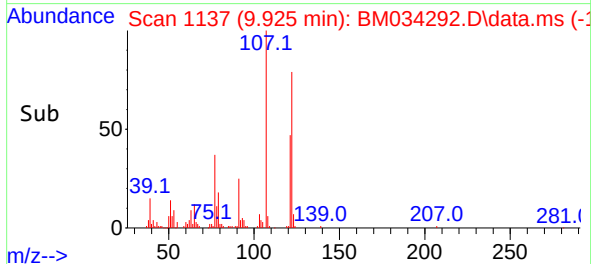
APPROVED

Reviewed By :Christian
Giraldo

Supervised By :Jagrut
Upadhyay
03/22/2022

03/22/2022
Supervised By :Jagrut
Upadhyay

03/22/2022



#28

bis(2-Chloroethoxy)methane

Concen: 4.657 ng

RT: 10.160 min Scan# 1177

Delta R.T. -0.012 min

Lab File: BM034292.D

Acq: 21 Mar 2022 17:40

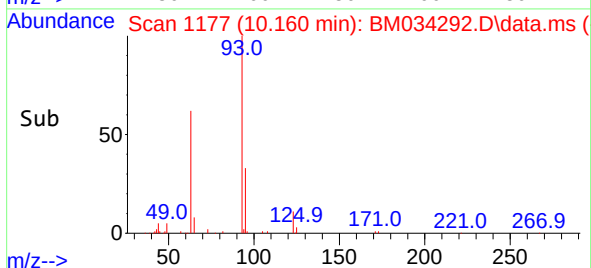
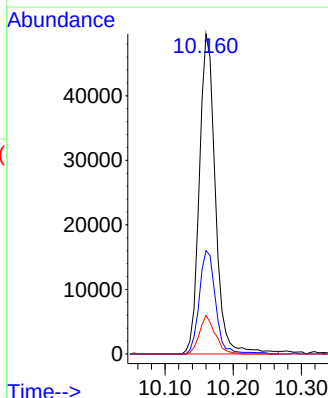
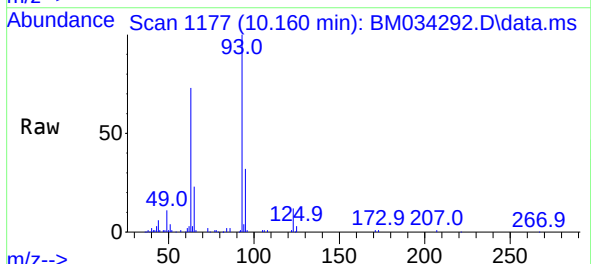
Tgt Ion: 93 Resp: 81239

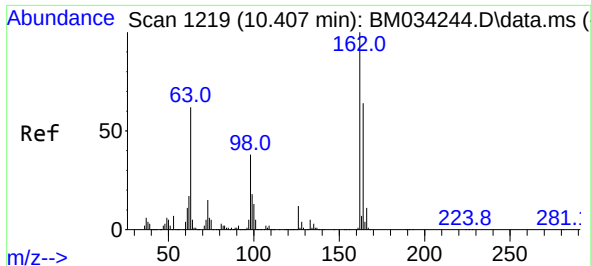
Ion Ratio Lower Upper

93 100

95 32.3 26.0 39.0

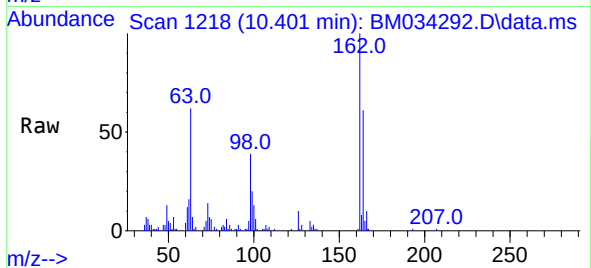
123 12.0 9.0 13.4





#29
2,4-Dichlorophenol
Concen: 4.136 ng
RT: 10.401 min Scan# 1218
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:162 Resp: 50732
Ion Ratio Lower Upper
162 100
164 60.8 43.9 83.9
98 38.8 17.6 57.6

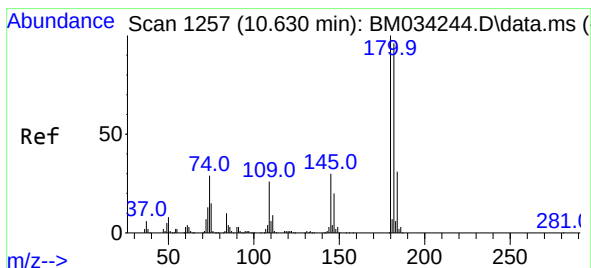
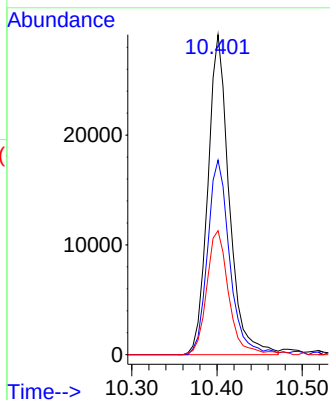
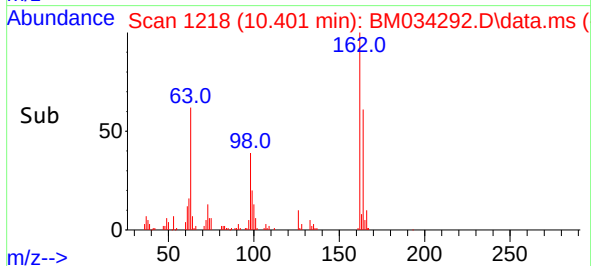
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Supervised By :Jagrut
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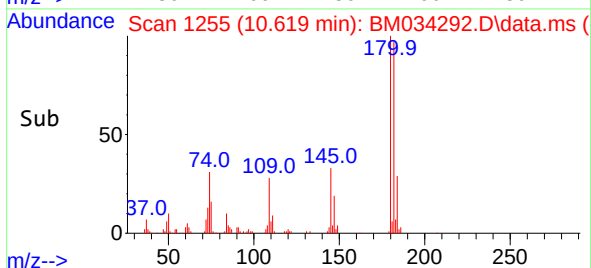
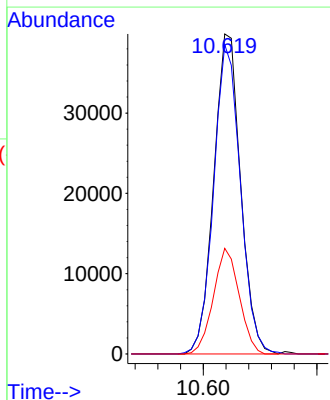
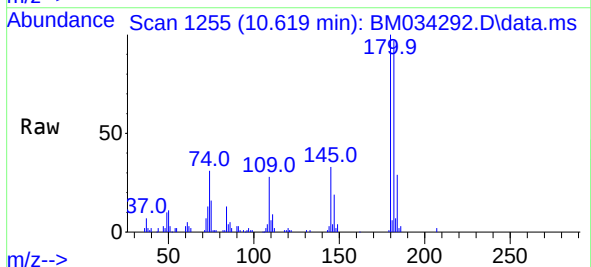
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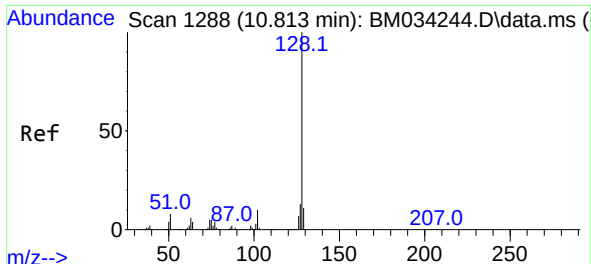
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#30
1,2,4-Trichlorobenzene
Concen: 4.687 ng
RT: 10.619 min Scan# 1255
Delta R.T. -0.012 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

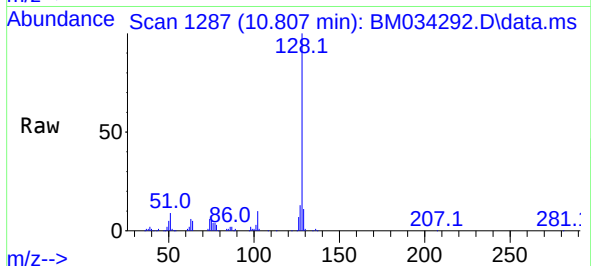
Tgt Ion:180 Resp: 65349
Ion Ratio Lower Upper
180 100
182 96.7 77.0 115.4
145 33.0 23.7 35.5





#31
Naphthalene
Concen: 4.847 ng
RT: 10.807 min Scan# 1147
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



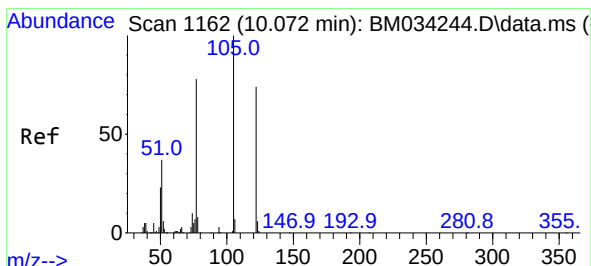
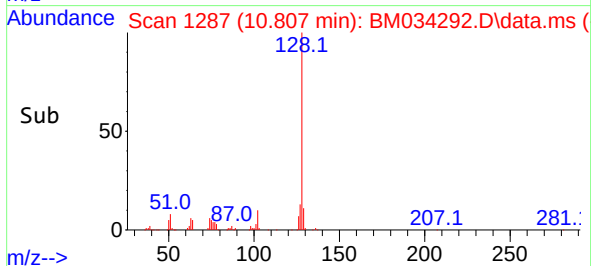
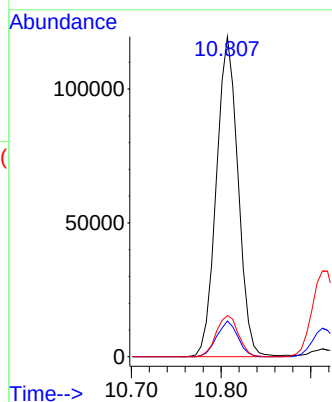
Tgt Ion:128 Resp: 200200
Ion Ratio Lower Upper
128 100
129 11.2 8.8 13.2
127 12.8 10.2 15.4

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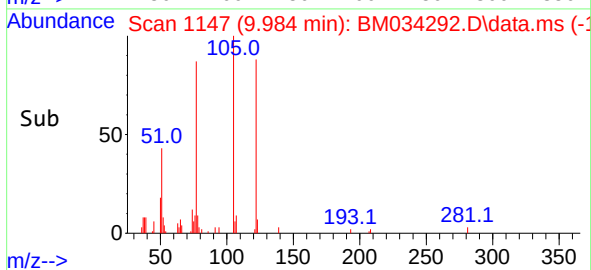
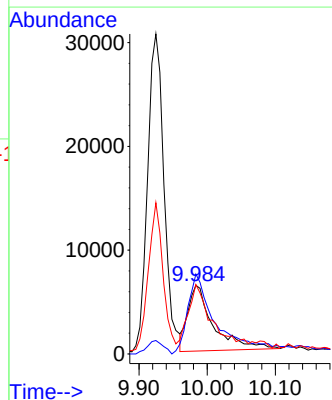
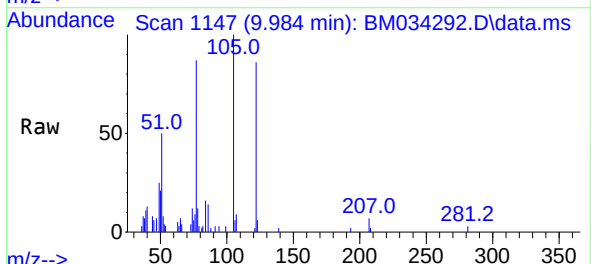
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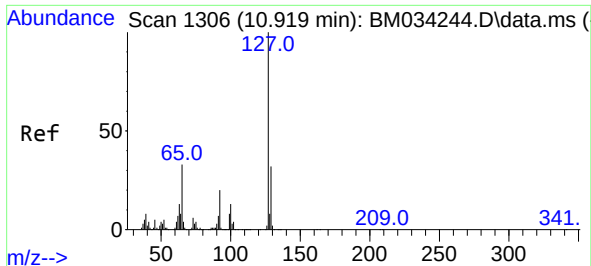
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#32
Benzoic acid
Concen: 1.893 ng
RT: 9.984 min Scan# 1147
Delta R.T. -0.088 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

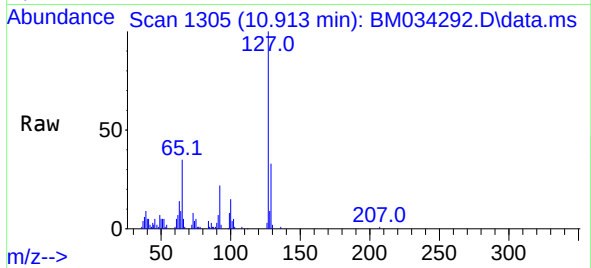
Tgt Ion:122 Resp: 16529
Ion Ratio Lower Upper
122 100
105 116.4 109.6 149.6
77 101.1 83.1 123.1





#33
4-Chloroaniline
Concen: 4.285 ng
RT: 10.913 min Scan# 11
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
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Tgt Ion	Ratio	Lower	Upper
127	100		
129	33.2	25.4	38.2
65	35.3	26.2	39.2
92	22.2	15.8	23.6

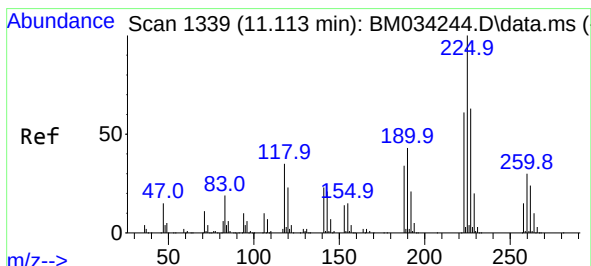
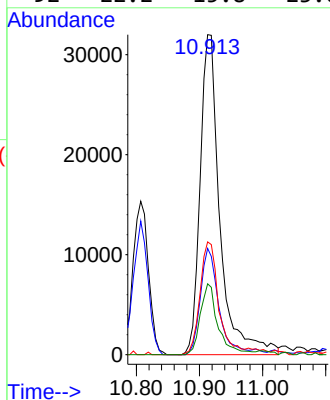
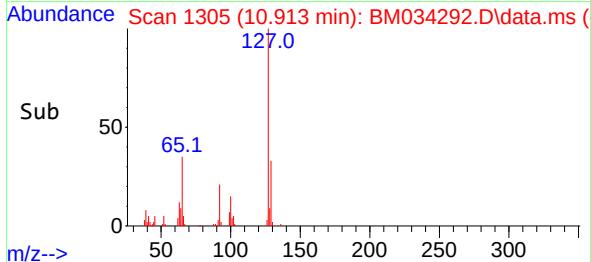
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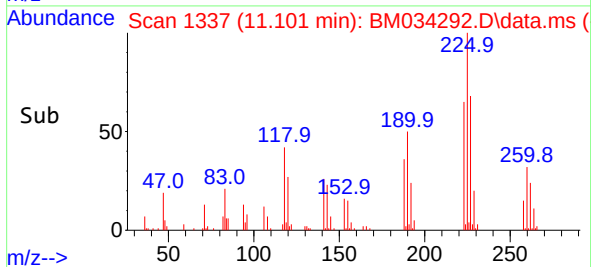
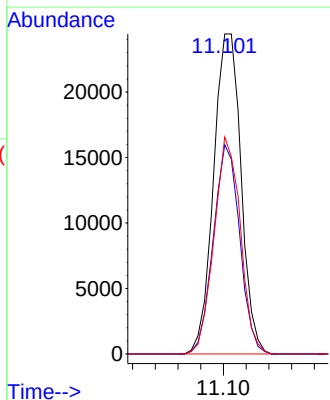
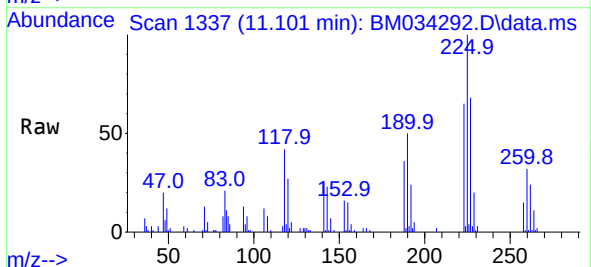
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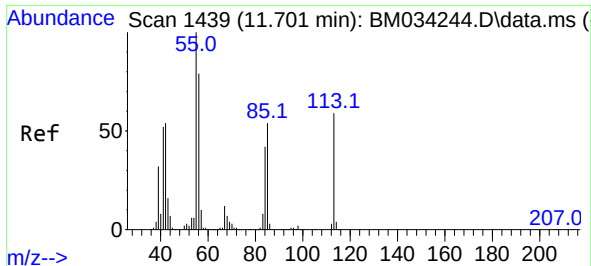
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#34
Hexachlorobutadiene
Concen: 4.648 ng
RT: 11.101 min Scan# 1337
Delta R.T. -0.012 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

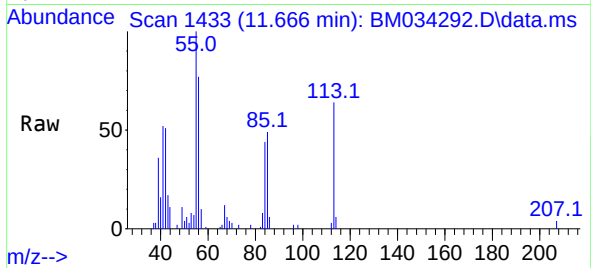
Tgt Ion	Ratio	Lower	Upper
225	100		
223	65.4	49.0	73.4
227	67.8	50.2	75.2





#35
Caprolactam
Concen: 4.077 ng
RT: 11.666 min Scan# 1433
Delta R.T. -0.035 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:113 Resp: 17385
Ion Ratio Lower Upper
113 100
55 157.5 148.9 188.9
56 121.4 113.3 153.3

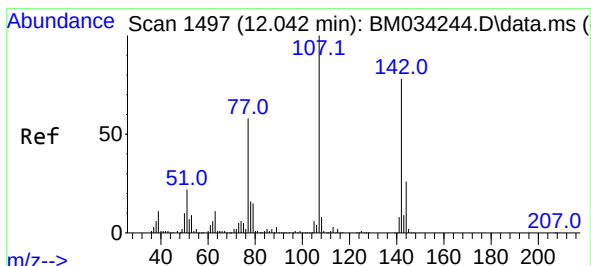
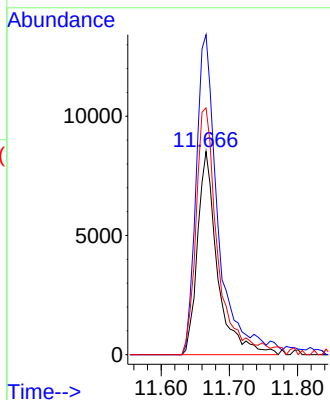
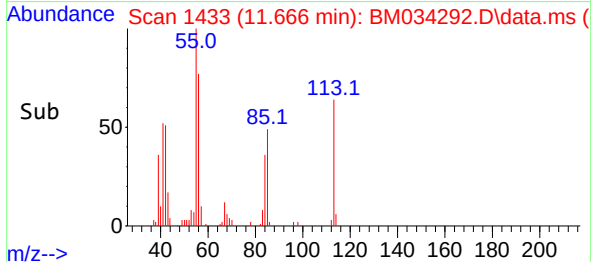
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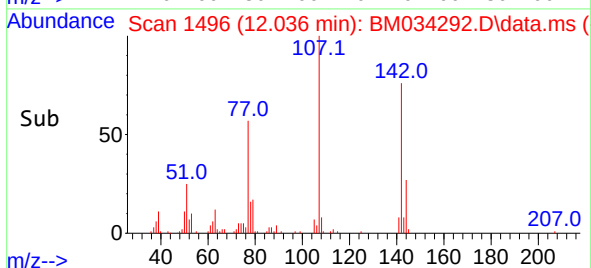
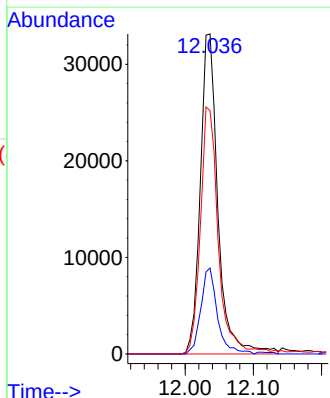
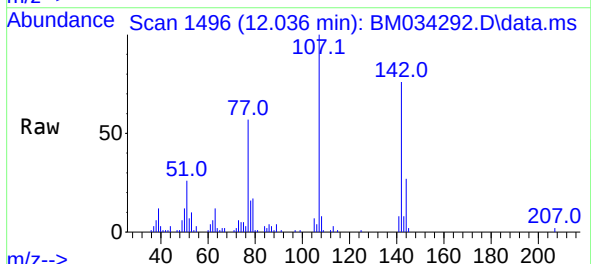
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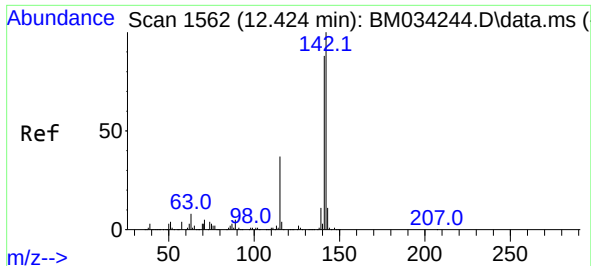
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#36
4-Chloro-3-methylphenol
Concen: 4.244 ng
RT: 12.036 min Scan# 1496
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

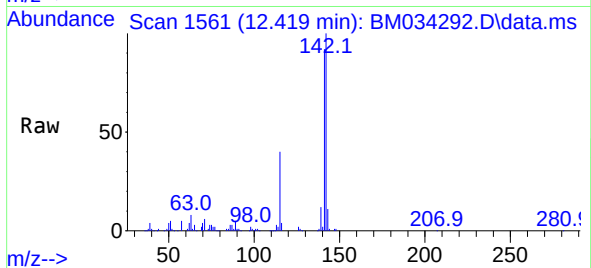
Tgt Ion:107 Resp: 59655
Ion Ratio Lower Upper
107 100
144 26.8 20.8 31.2
142 76.1 62.7 94.1





#37
2-Methylnaphthalene
Concen: 4.796 ng
RT: 12.419 min Scan# 1561
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:142 Resp: 141335
Ion Ratio Lower Upper
142 100
141 91.9 70.1 105.1
115 39.6 29.9 44.9

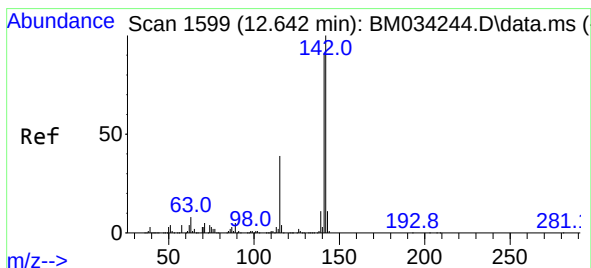
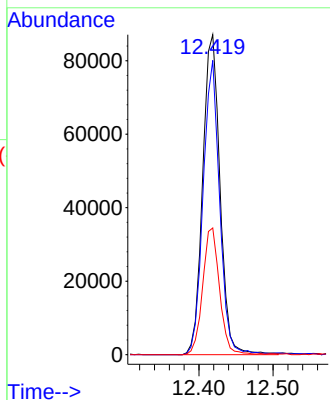
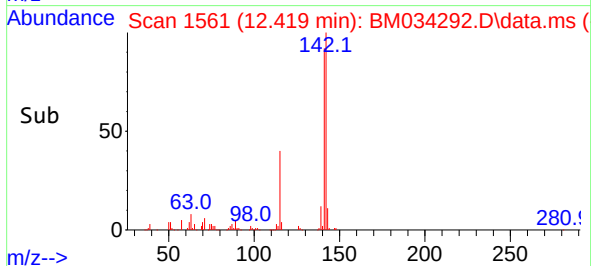
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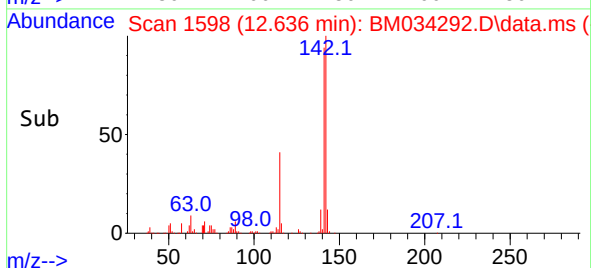
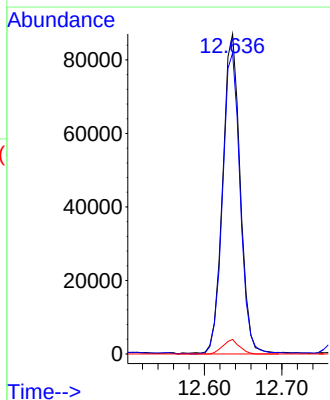
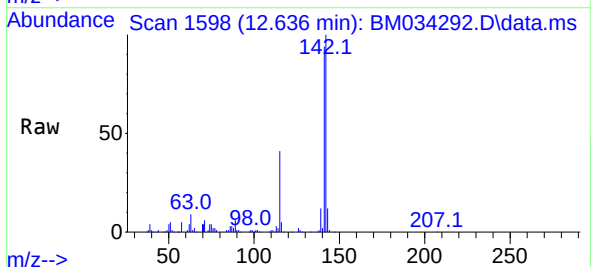
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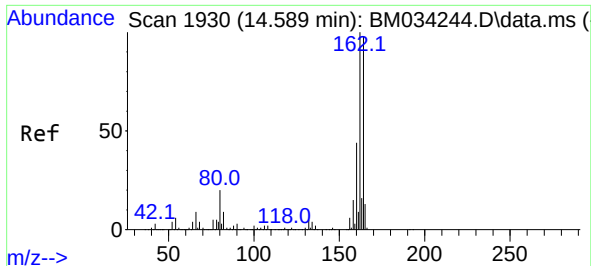
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#38
1-Methylnaphthalene
Concen: 4.756 ng
RT: 12.636 min Scan# 1598
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

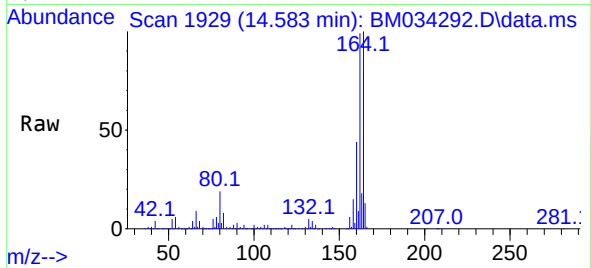
Tgt Ion:142 Resp: 137126
Ion Ratio Lower Upper
142 100
141 94.0 73.0 109.6
116 4.5 3.2 4.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.583 min Scan# 1930
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:164 Resp: 55570
Ion Ratio Lower Upper
164 100
162 98.6 81.6 122.4
160 44.0 35.6 53.4

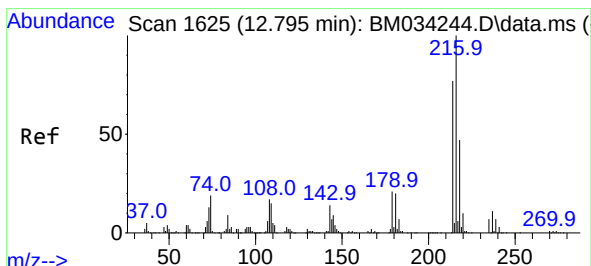
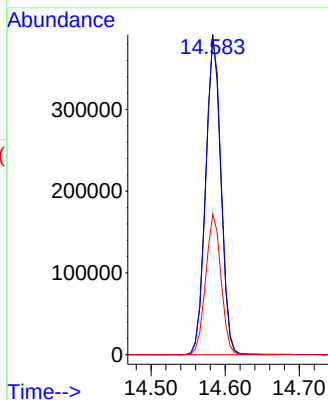
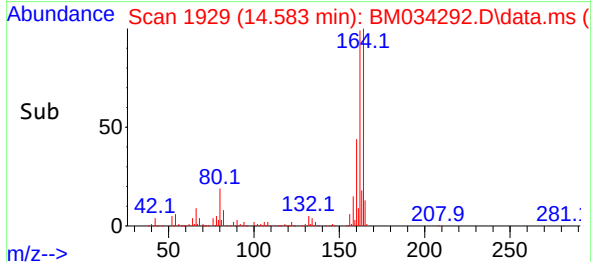
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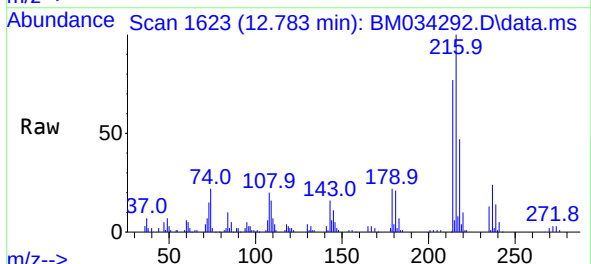
Supervised By :Jagrut
Upadhyay
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Supervised By :Jagrut
Upadhyay

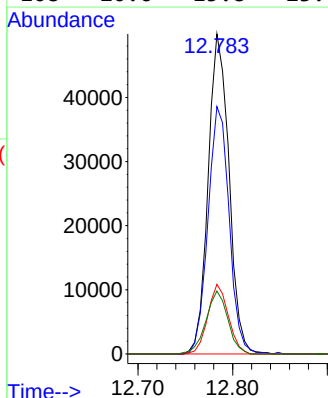
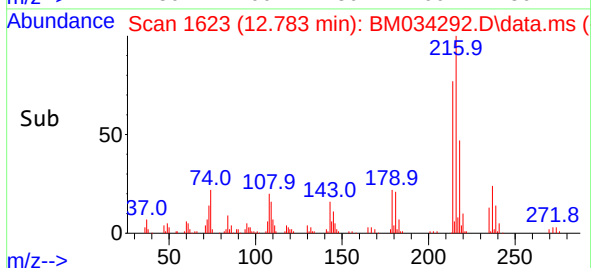
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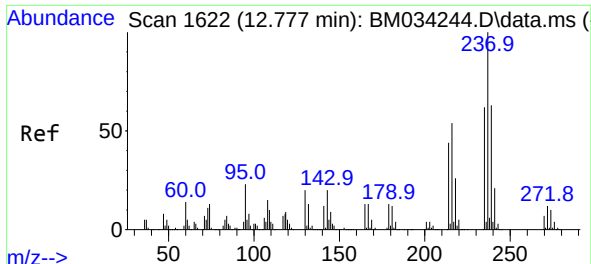


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.547 ng
RT: 12.783 min Scan# 1623
Delta R.T. -0.012 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40



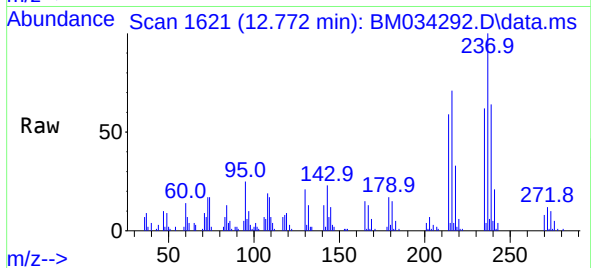
Tgt Ion:216 Resp: 76254
Ion Ratio Lower Upper
216 100
214 78.6 62.7 94.1
179 21.4 17.2 25.8
108 20.6 15.8 23.8





#41
Hexachlorocyclopentadiene
Concen: 4.221 ng
RT: 12.772 min Scan# 1
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



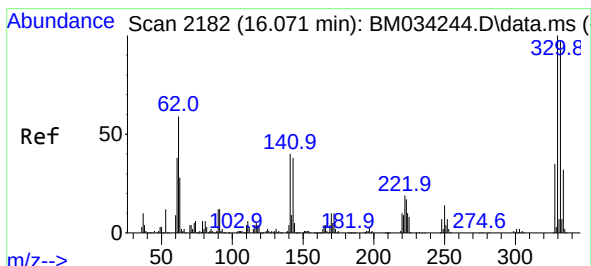
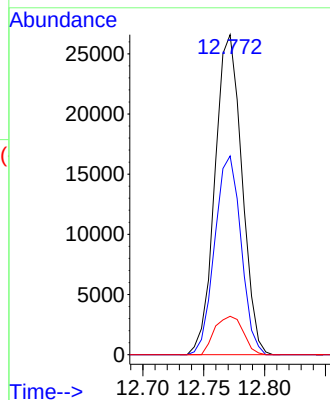
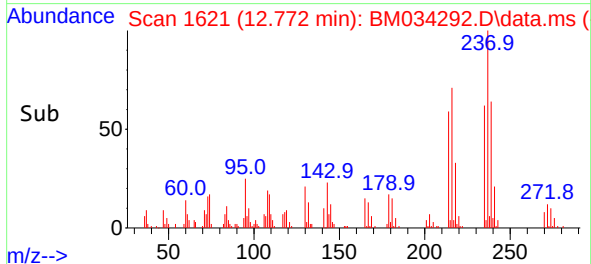
Tgt Ion:237 Resp: 4099
Ion Ratio Lower Upper
237 100
235 62.1 42.1 82.1
272 12.0 0.0 32.3

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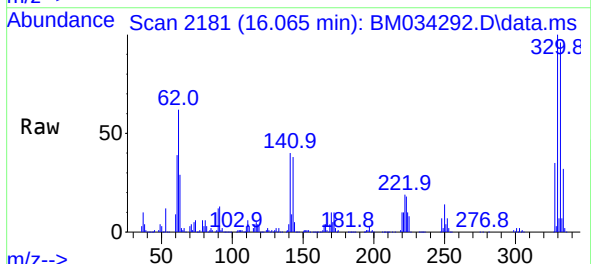
Reviewed By :Christian
Giraldo

Supervised By :Jagrut
Upadhyay
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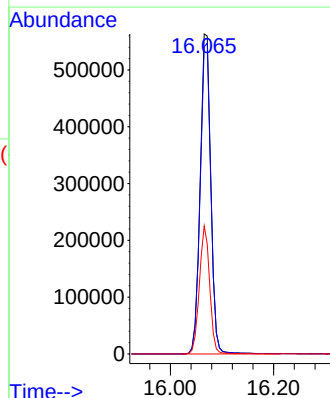
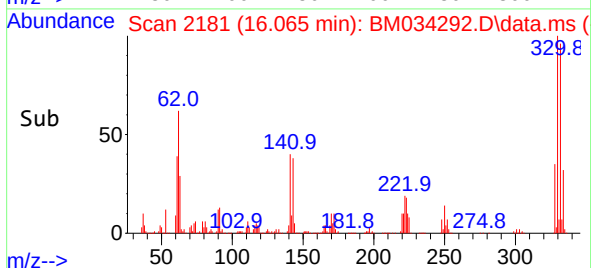
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Upadhyay

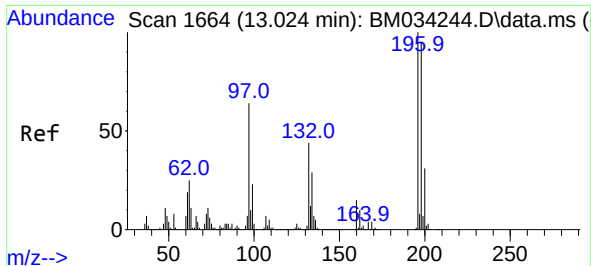


#42
2,4,6-Tribromophenol
Concen: 107.704 ng
RT: 16.065 min Scan# 2181
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40



Tgt Ion:330 Resp: 806725
Ion Ratio Lower Upper
330 100
332 96.6 78.2 117.4
141 38.5 30.6 45.8





#43

2,4,6-Trichlorophenol

Concen: 3.942 ng

RT: 13.019 min Scan# 1

Delta R.T. -0.006 min

Lab File: BM034292.D

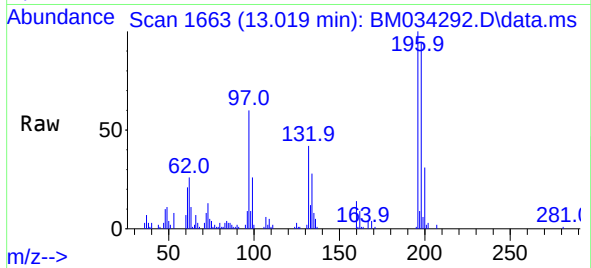
Acq: 21 Mar 2022 17:40

Instrument :

BNA_M

ClientSampleId :

LOQ-SOIL-02-QT4-2021



Tgt Ion:196 Resp: 4563

Ion Ratio Lower Upper

196 100

198 94.3 76.1 114.1

200 30.6 24.9 37.3

Manual Integrations

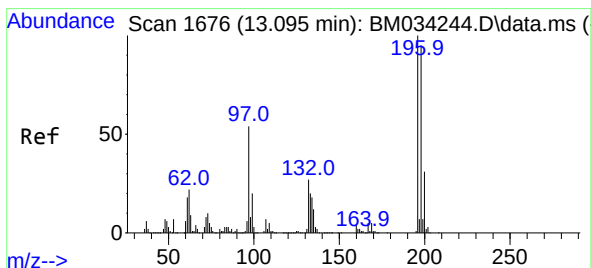
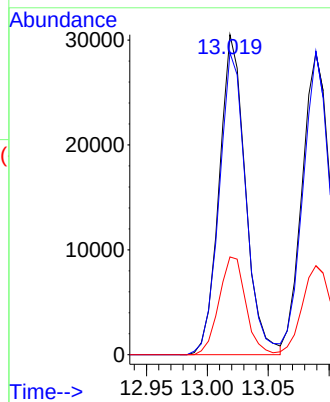
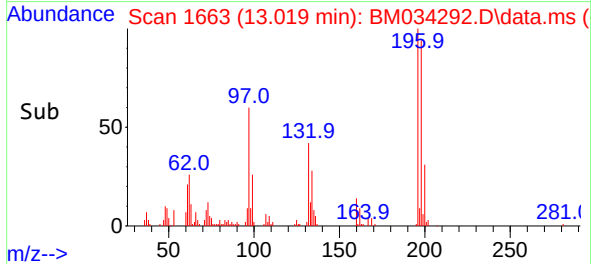
APPROVED

Reviewed By :Christian
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Supervised By :Jagrut
Upadhyay
03/22/2022

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Supervised By :Jagrut
Upadhyay

03/22/2022



#44

2,4,5-Trichlorophenol

Concen: 3.884 ng

RT: 13.089 min Scan# 1675

Delta R.T. -0.006 min

Lab File: BM034292.D

Acq: 21 Mar 2022 17:40

Tgt Ion:196 Resp: 48271

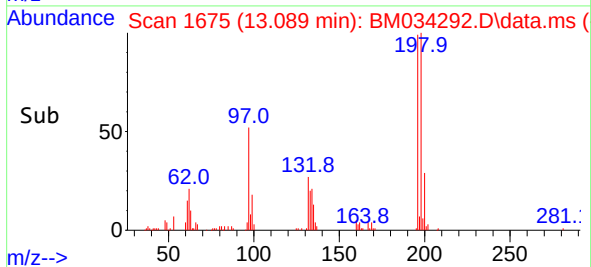
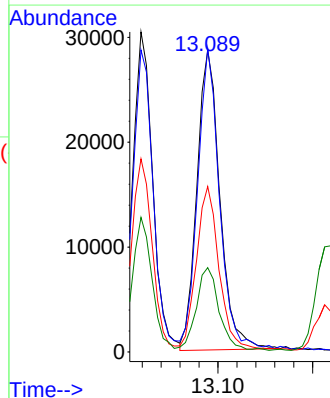
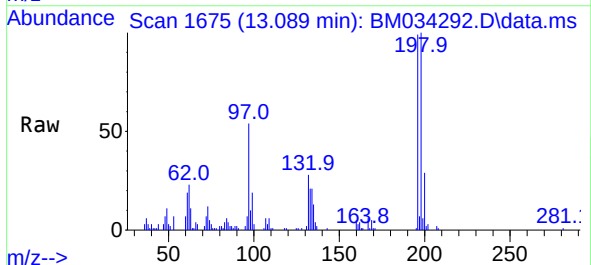
Ion Ratio Lower Upper

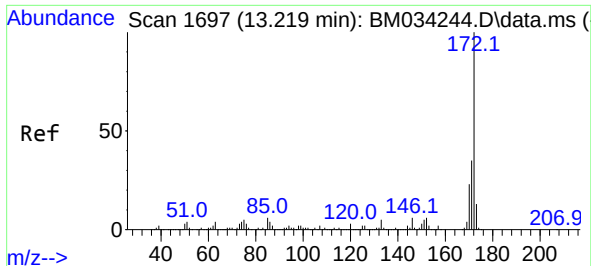
196 100

198 100.6 75.9 113.9

97 54.8 43.2 64.8

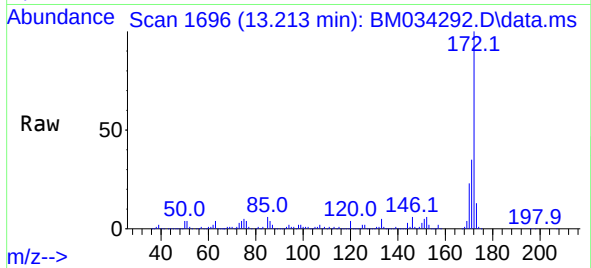
132 28.0 21.5 32.3





#45
2-Fluorobiphenyl
Concen: 68.704 ng
RT: 13.213 min Scan# 1697
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:172 Resp: 2793960
Ion Ratio Lower Upper
172 100
171 35.3 28.0 42.0
170 23.4 18.6 28.0

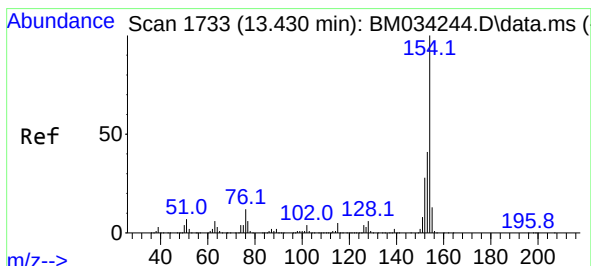
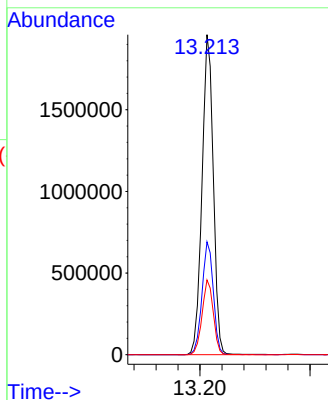
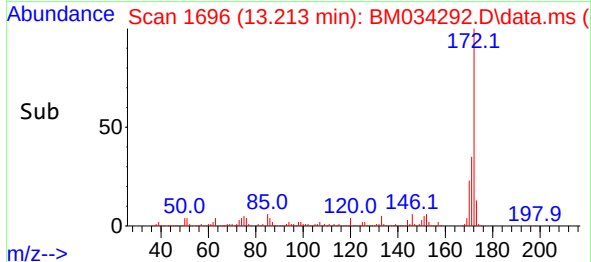
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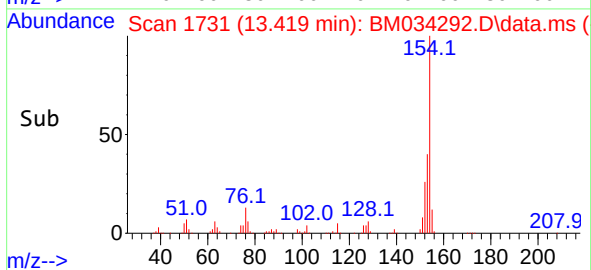
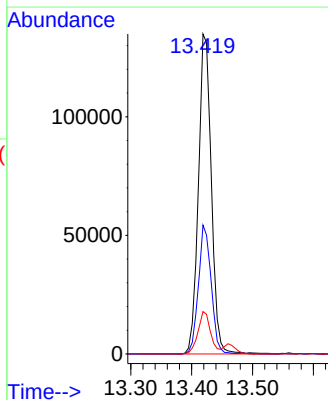
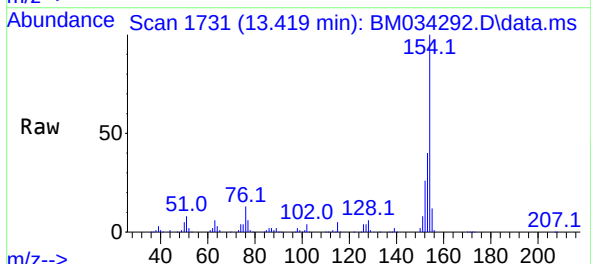
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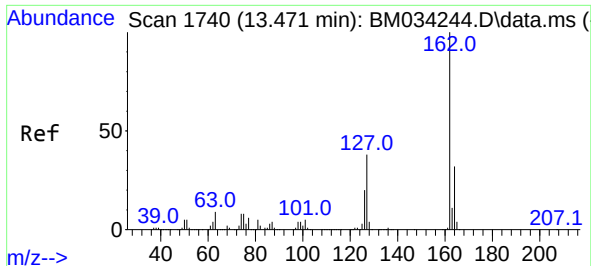
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#46
1,1'-Biphenyl
Concen: 4.709 ng
RT: 13.419 min Scan# 1731
Delta R.T. -0.012 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

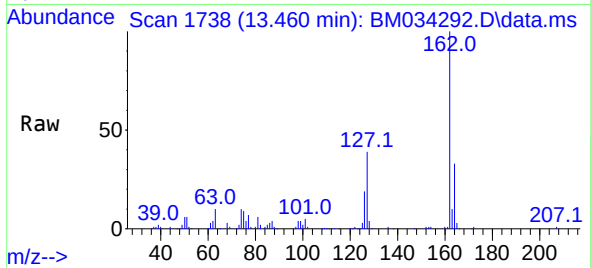
Tgt Ion:154 Resp: 199511
Ion Ratio Lower Upper
154 100
153 40.2 21.0 61.0
76 13.3 0.0 32.1





#47
2-Chloronaphthalene
Concen: 4.520 ng
RT: 13.460 min Scan# 1740
Delta R.T. -0.012 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:162 Resp: 14701
Ion Ratio Lower Upper
162 100
127 38.9 30.4 45.6
164 33.1 25.8 38.8

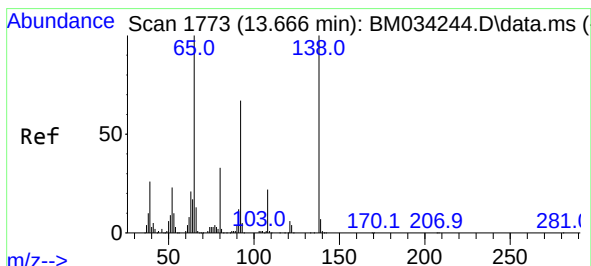
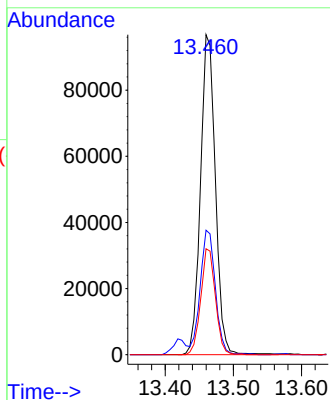
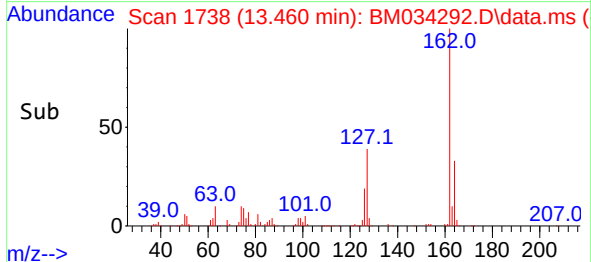
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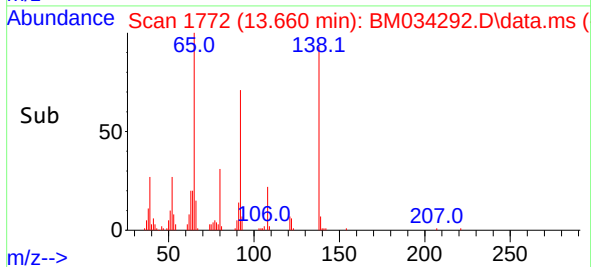
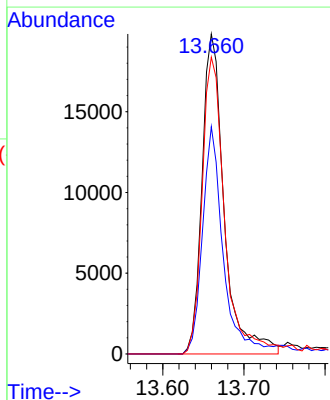
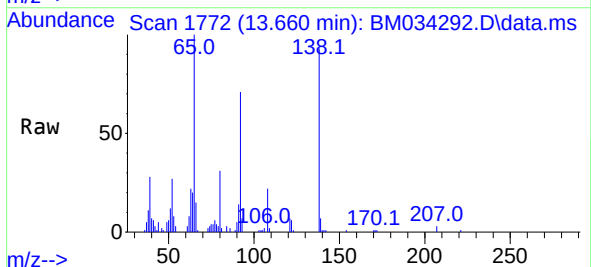
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Supervised By :Jagrut
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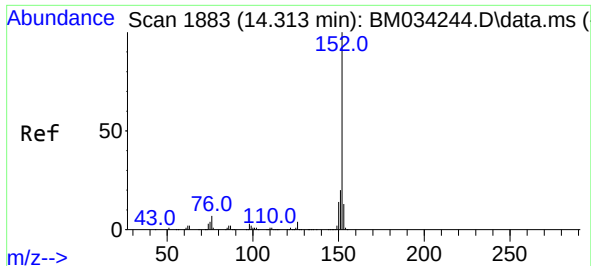
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#48
2-Nitroaniline
Concen: 3.765 ng
RT: 13.660 min Scan# 1772
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

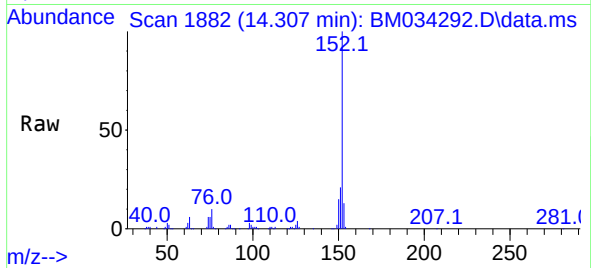
Tgt Ion: 65 Resp: 37439
Ion Ratio Lower Upper
65 100
92 71.0 53.8 80.8
138 92.8 79.9 119.9





#49
Acenaphthylene
Concen: 4.721 ng
RT: 14.307 min Scan# 1883
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:152 Resp: 239298
Ion Ratio Lower Upper
152 100
151 20.7 15.9 23.9
153 13.0 10.6 16.0

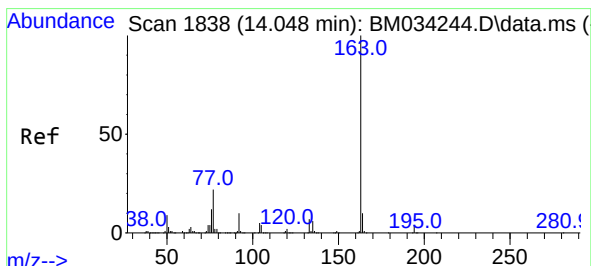
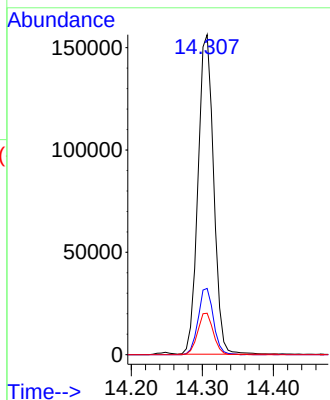
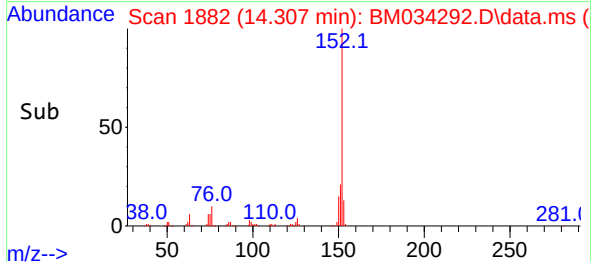
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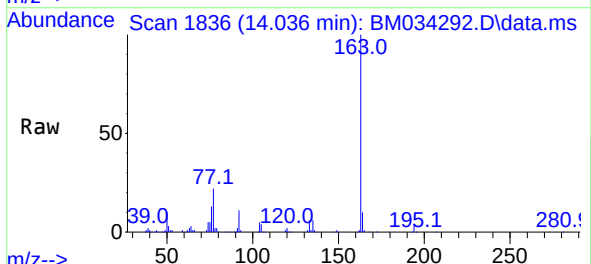
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Supervised By :Jagrut
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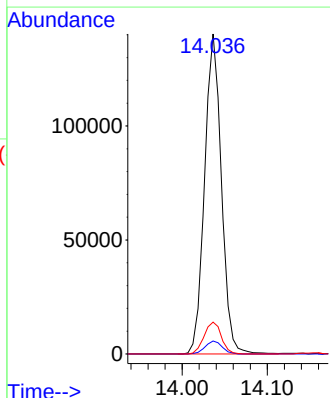
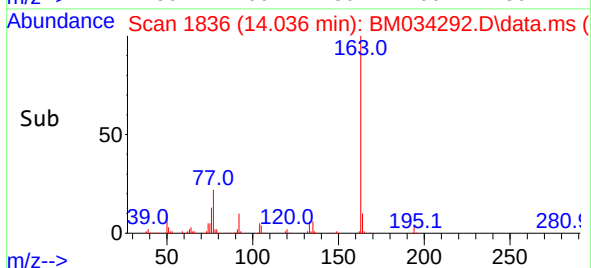
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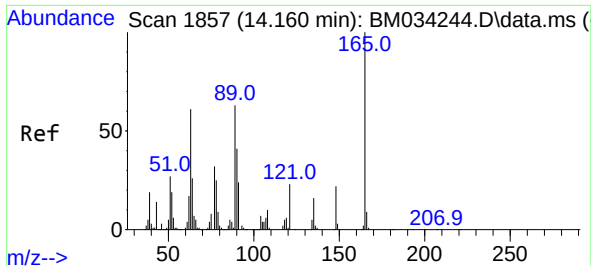


#50
Dimethylphthalate
Concen: 4.548 ng
RT: 14.036 min Scan# 1836
Delta R.T. -0.012 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40



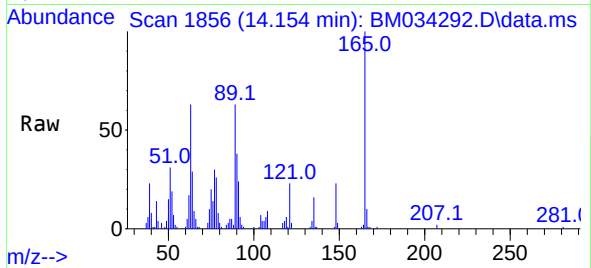
Tgt Ion:163 Resp: 192365
Ion Ratio Lower Upper
163 100
194 4.1 3.3 4.9
164 9.9 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 4.425 ng
RT: 14.154 min Scan# 1856
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:165 Resp: 3839
Ion Ratio Lower Upper
165 100
63 63.3 51.9 77.9
89 63.4 50.6 76.0

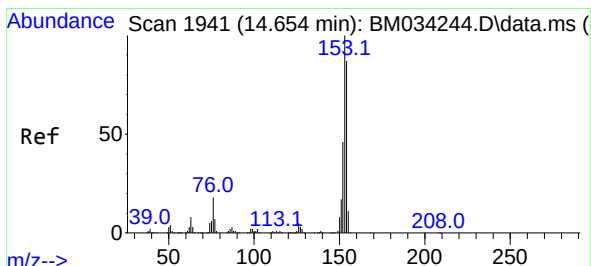
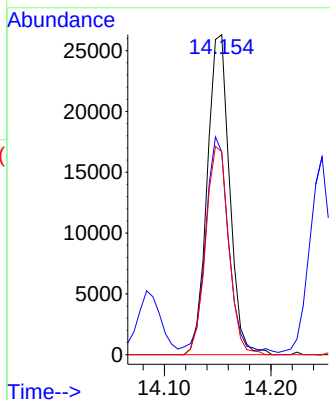
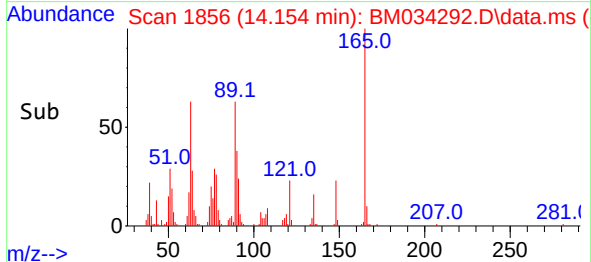
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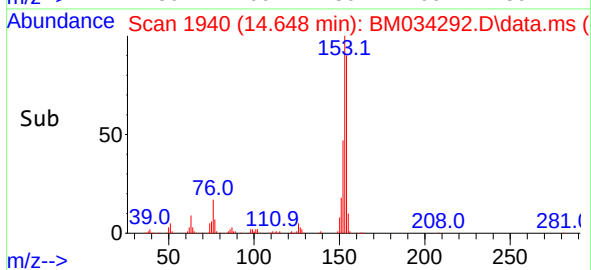
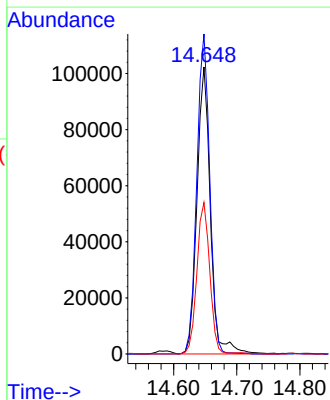
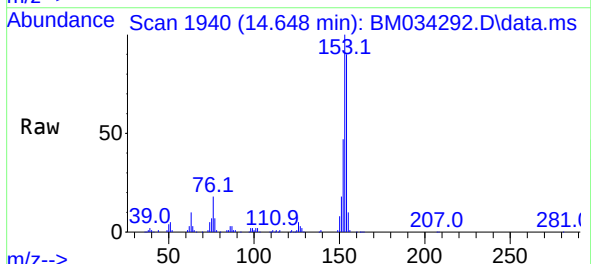
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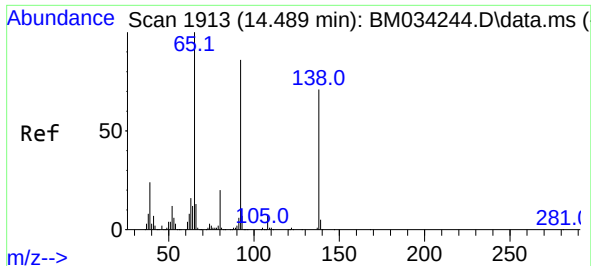
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#52
Acenaphthene
Concen: 4.406 ng
RT: 14.648 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

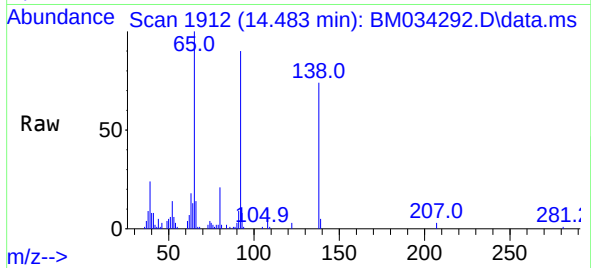
Tgt Ion:154 Resp: 150446
Ion Ratio Lower Upper
154 100
153 111.5 91.8 137.8
152 52.8 42.6 64.0





#53
3-Nitroaniline
Concen: 3.597 ng
RT: 14.483 min Scan# 1913
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:138 Resp: 31300
Ion Ratio Lower Upper
138 100
108 13.4 8.3 12.5
92 122.0 97.6 146.4

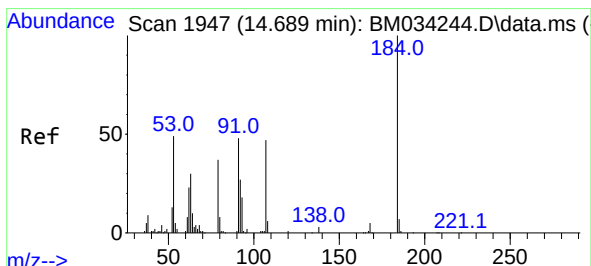
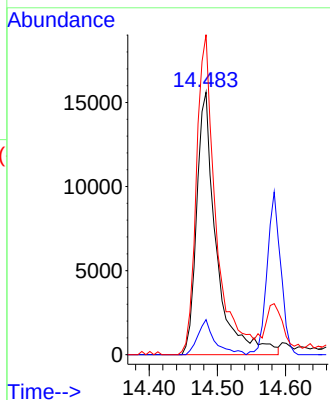
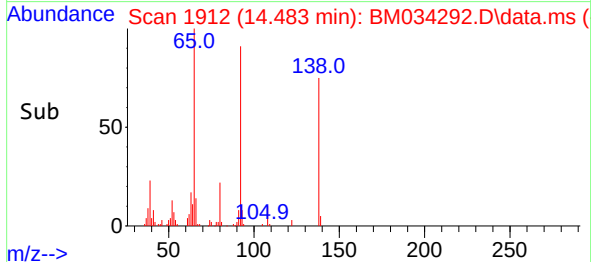
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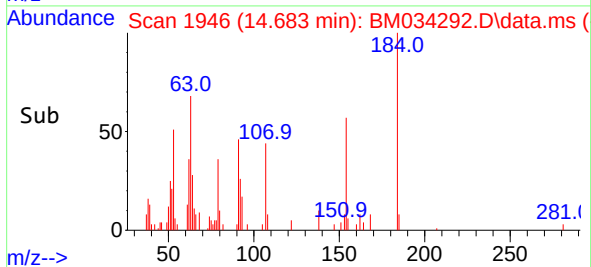
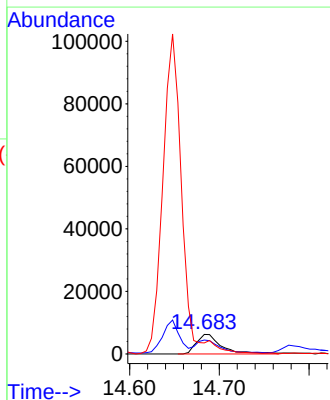
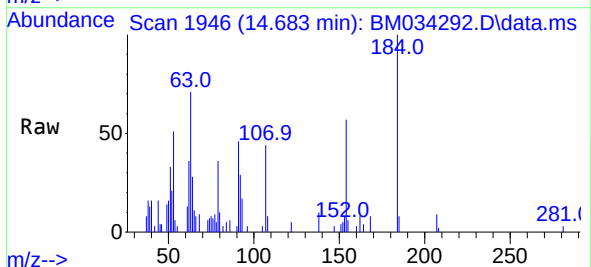
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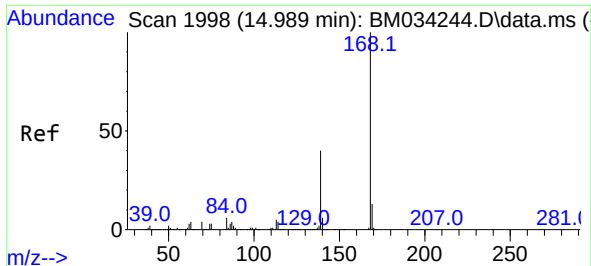
03/22/2022



#54
2,4-Dinitrophenol
Concen: 2.510 ng
RT: 14.683 min Scan# 1946
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

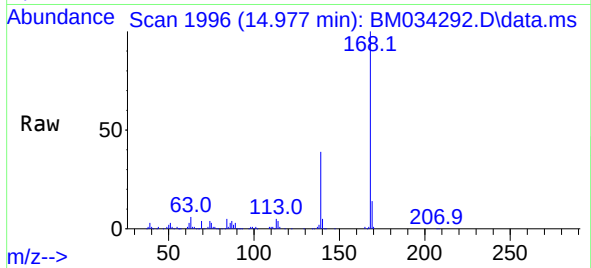
Tgt Ion:184 Resp: 12202
Ion Ratio Lower Upper
184 100
63 71.3 58.3 87.5
154 56.7 52.6 78.8





#55
Dibenzenofuran
Concen: 4.576 ng
RT: 14.977 min Scan# 1998
Delta R.T. -0.012 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:168 Resp: 232829
Ion Ratio Lower Upper
168 100
139 39.3 32.4 48.6
169 13.6 10.8 16.2

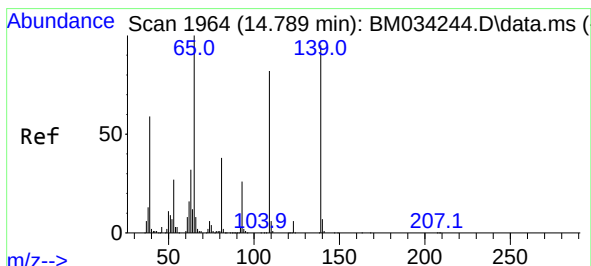
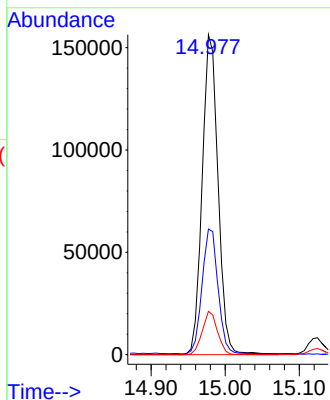
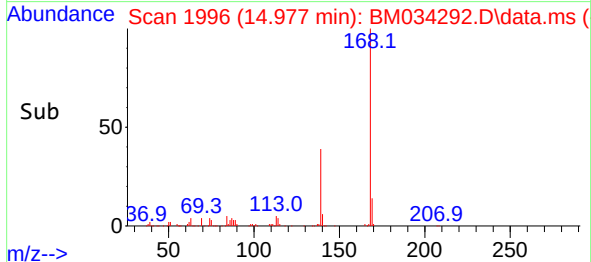
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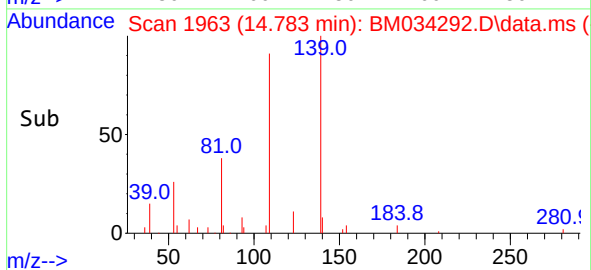
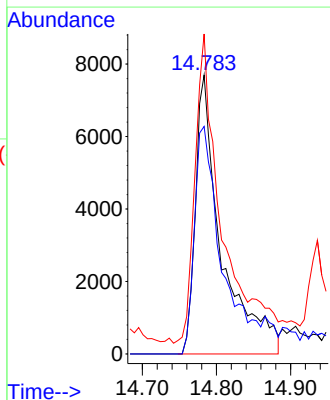
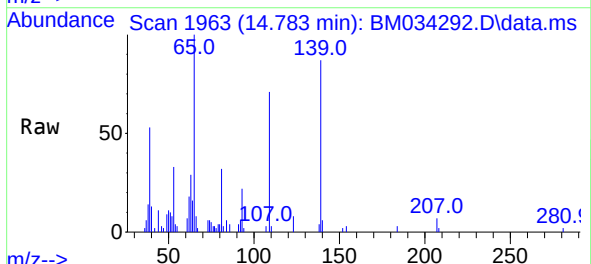
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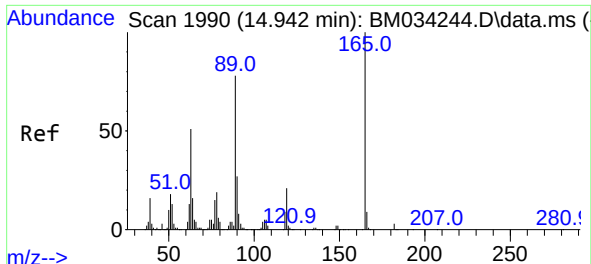
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#56
4-Nitrophenol
Concen: 2.663 ng
RT: 14.783 min Scan# 1963
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

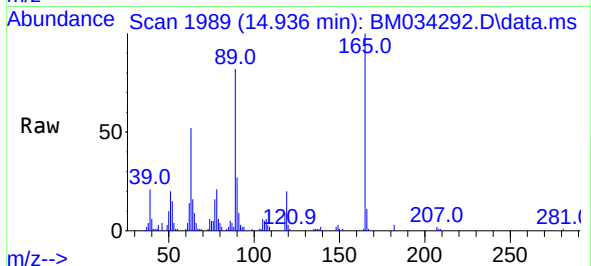
Tgt Ion:139 Resp: 18791
Ion Ratio Lower Upper
139 100
109 81.6 66.3 106.3
65 114.7 85.5 125.5





#57
2,4-Dinitrotoluene
Concen: 4.189 ng
RT: 14.936 min Scan# 1990
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:165 Resp: 49120
Ion Ratio Lower Upper
165 100
63 52.5 40.6 61.0
89 82.2 62.7 94.1
182 3.1 2.3 3.5

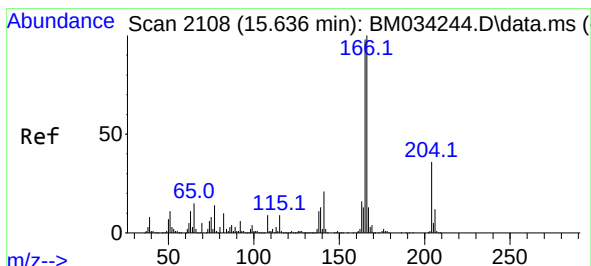
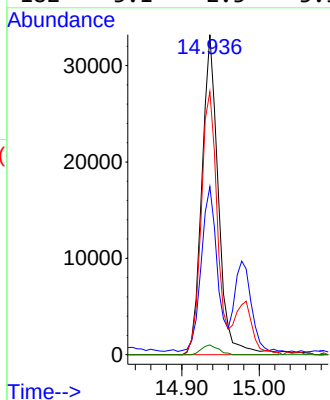
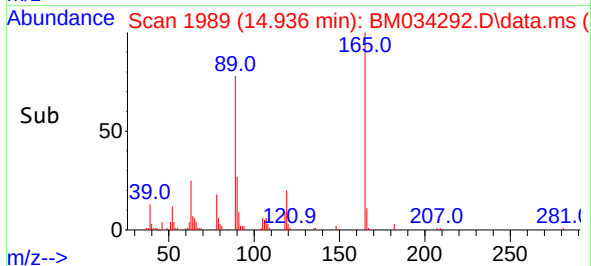
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Upadhyay
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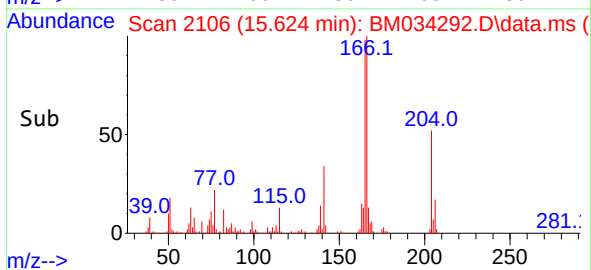
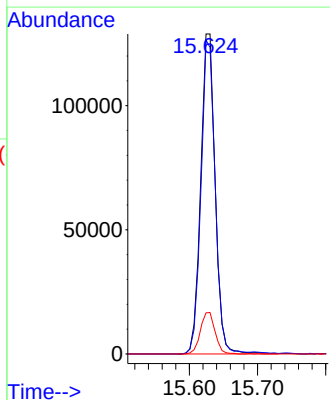
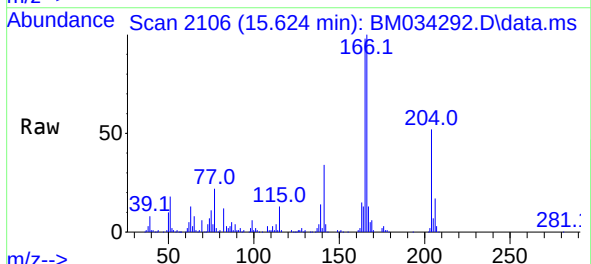
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Upadhyay

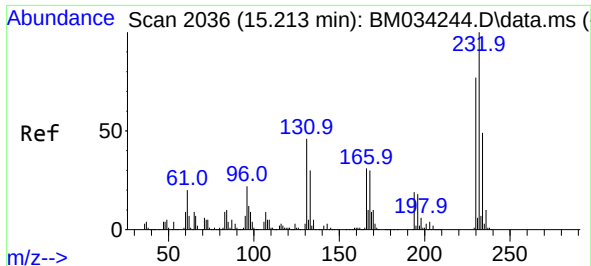
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#58
Fluorene
Concen: 4.602 ng
RT: 15.624 min Scan# 2106
Delta R.T. -0.012 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

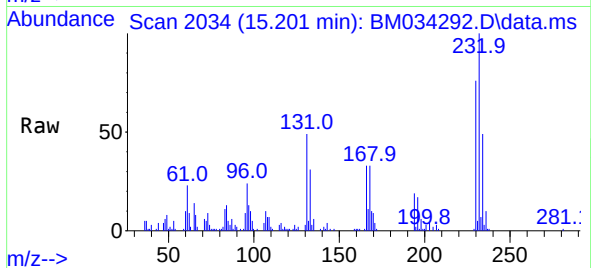
Tgt Ion:166 Resp: 190098
Ion Ratio Lower Upper
166 100
165 98.0 78.0 117.0
167 12.9 10.5 15.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 4.041 ng
RT: 15.201 min Scan# 2034
Delta R.T. -0.012 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



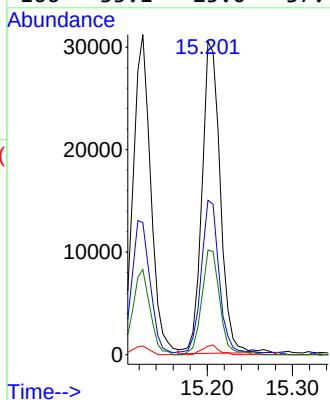
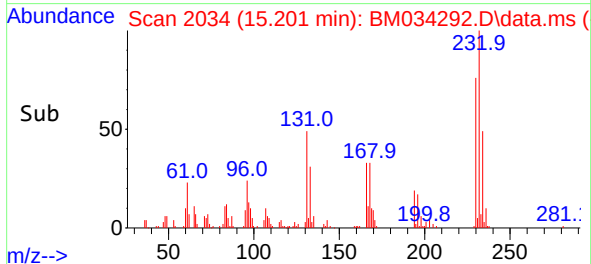
Tgt Ion:232 Resp: 4528
Ion Ratio Lower Upper
232 100
131 50.2 38.0 57.0
130 2.7 2.2 3.2
166 33.1 25.0 37.4

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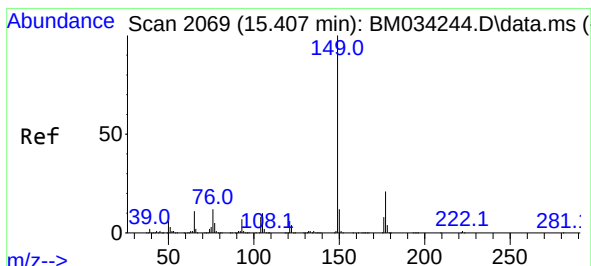
Reviewed By :Christian
Giraldo

Supervised By :Jagrut
Upadhyay
03/22/2022

03/22/2022
Supervised By :Jagrut
Upadhyay

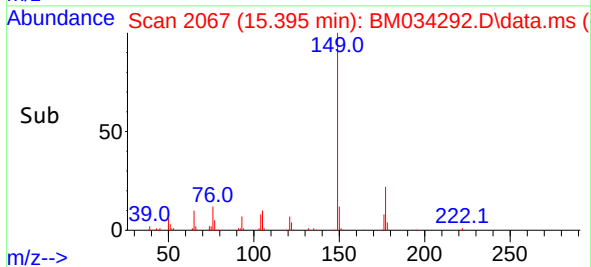
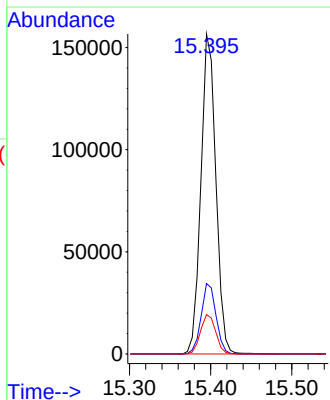
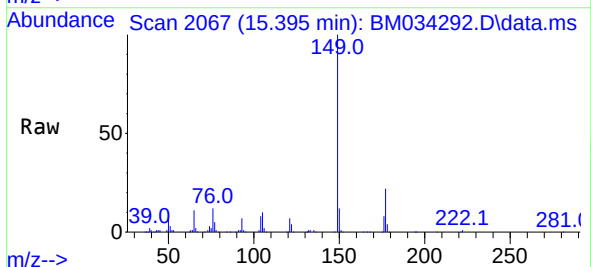


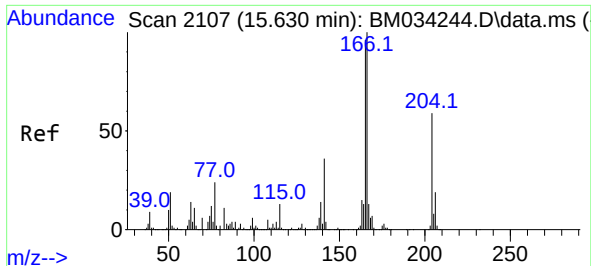
03/22/2022



#60
Diethylphthalate
Concen: 4.613 ng
RT: 15.395 min Scan# 2067
Delta R.T. -0.012 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

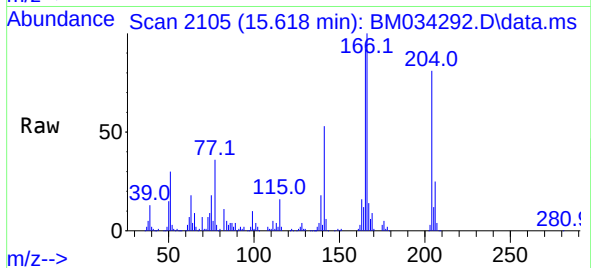
Tgt Ion:149 Resp: 200160
Ion Ratio Lower Upper
149 100
177 22.0 17.1 25.7
150 12.3 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 4.499 ng
RT: 15.618 min Scan# 2105
Delta R.T. -0.012 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



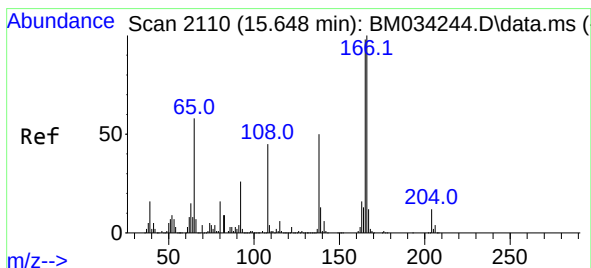
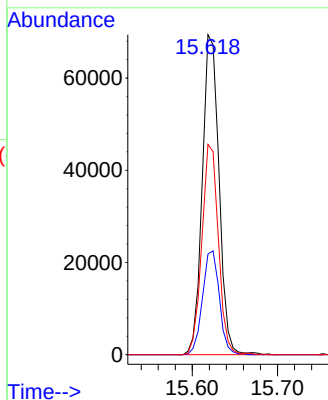
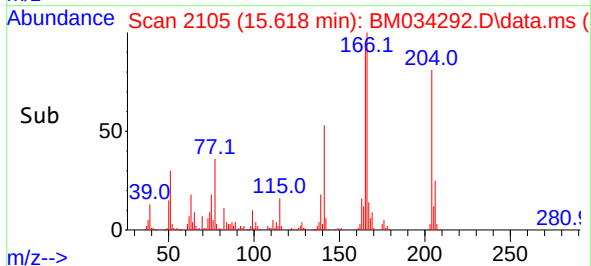
Tgt Ion:204 Resp: 9488
Ion Ratio Lower Upper
204 100
206 31.5 26.4 39.6
141 65.7 49.4 74.2

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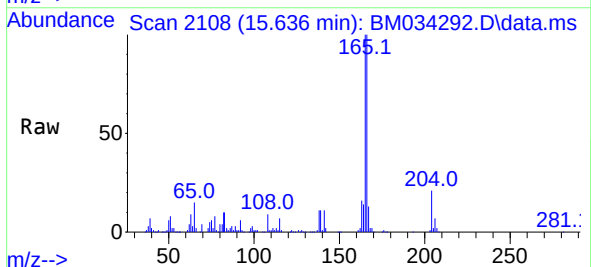
Reviewed By :Christian
Giraldo

Supervised By :Jagrut
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03/22/2022

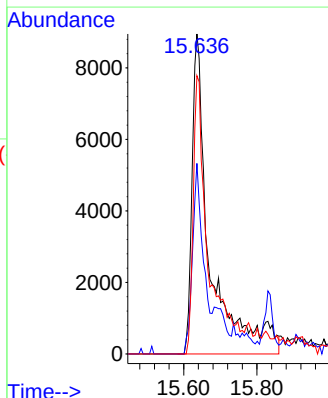
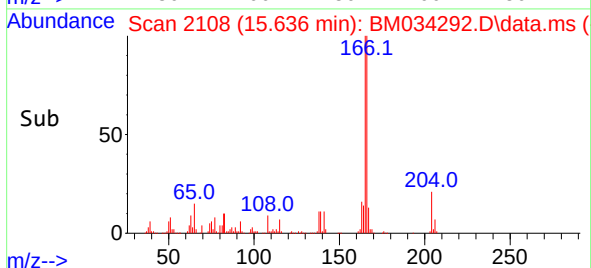
03/22/2022
Supervised By :Jagrut
Upadhyay

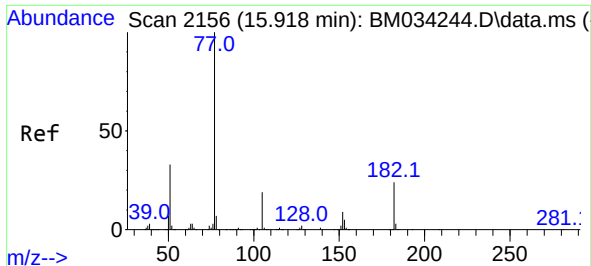


#62
4-Nitroaniline
Concen: 3.628 ng m
RT: 15.636 min Scan# 2108
Delta R.T. -0.012 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40



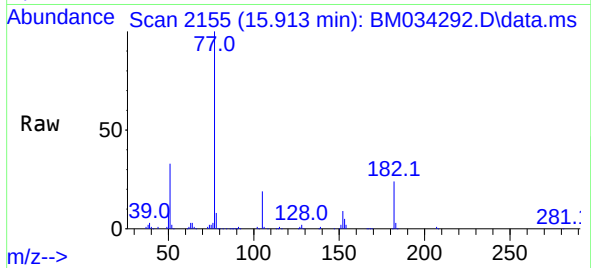
Tgt Ion:138 Resp: 30378
Ion Ratio Lower Upper
138 100
92 59.6 32.6 72.6
108 87.0 69.8 109.8





#63
Azobenzene
Concen: 4.529 ng
RT: 15.913 min Scan# 2155
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion: 77 Resp: 18949
Ion Ratio Lower Upper
77 100
182 24.0 4.4 44.4
105 19.3 0.0 38.7
51 33.2 12.6 52.6

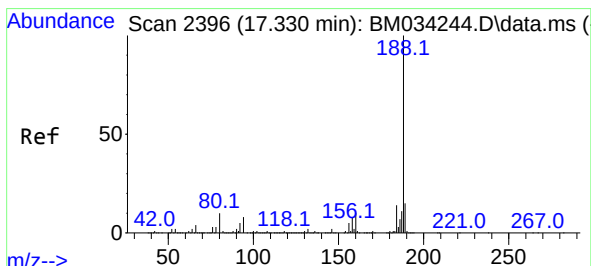
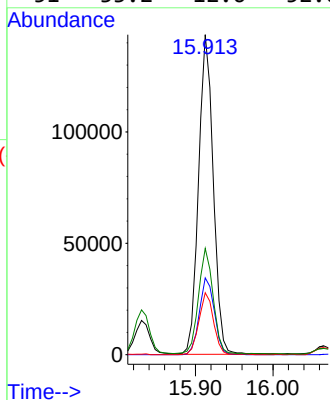
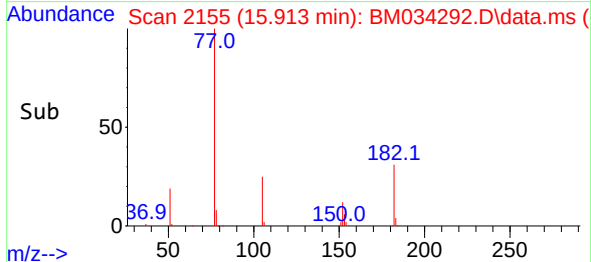
Manual Integrations
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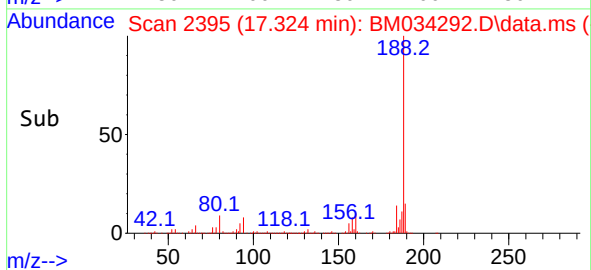
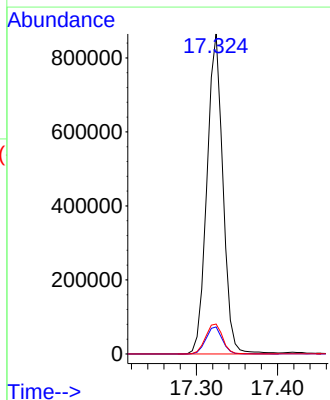
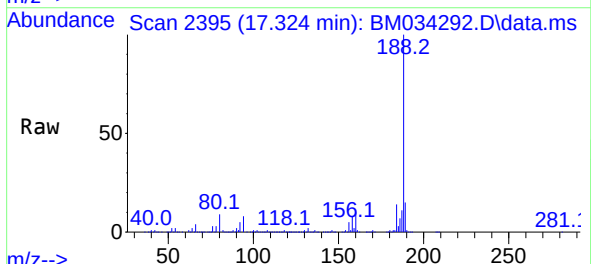
03/22/2022
Supervised By :Jagrut
Upadhyay

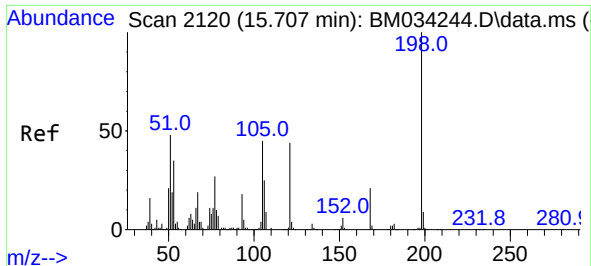
03/22/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.324 min Scan# 2395
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

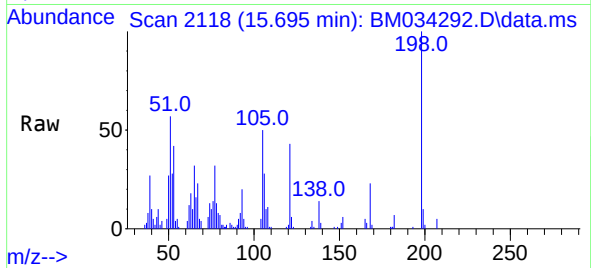
Tgt Ion:188 Resp: 1180612
Ion Ratio Lower Upper
188 100
94 8.5 6.6 9.8
80 9.4 7.8 11.8





#65
4,6-Dinitro-2-methylphenol
Concen: 3.183 ng
RT: 15.695 min Scan# 2118
Delta R.T. -0.012 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



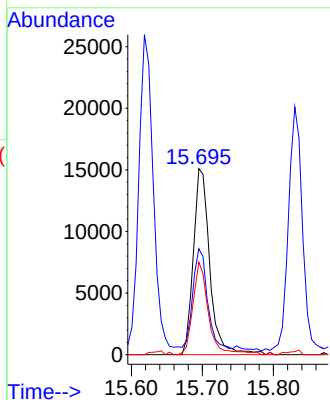
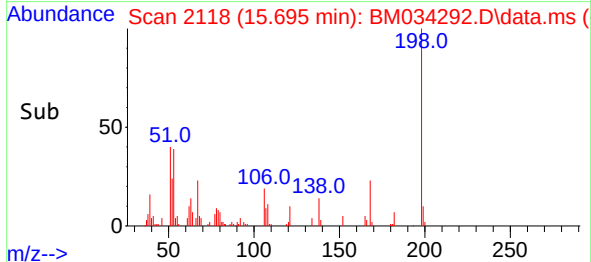
Tgt Ion:198 Resp: 24430
Ion Ratio Lower Upper
198 100
51 56.9 29.0 69.0
105 49.7 25.3 65.3

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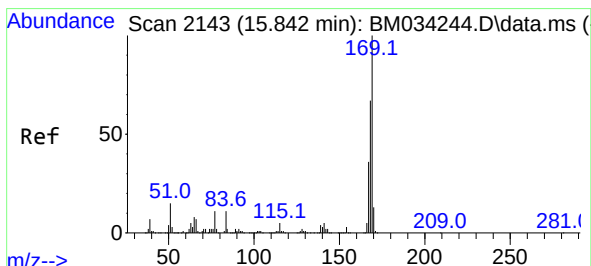
Reviewed By :Christian
Giraldo

Supervised By :Jagrut
Upadhyay
03/22/2022

03/22/2022
Supervised By :Jagrut
Upadhyay

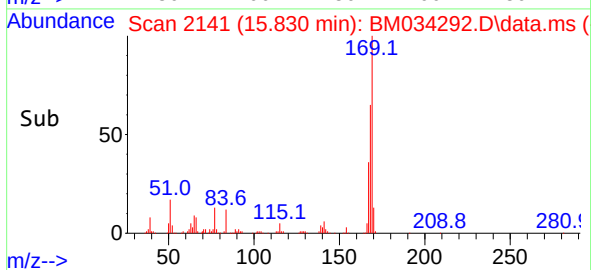
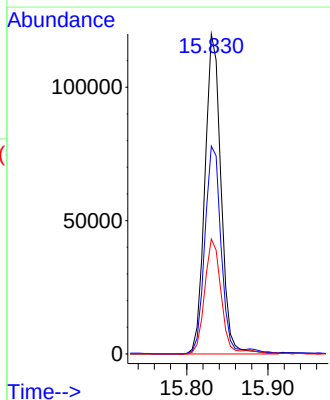
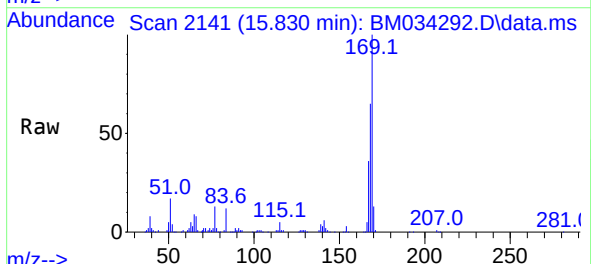


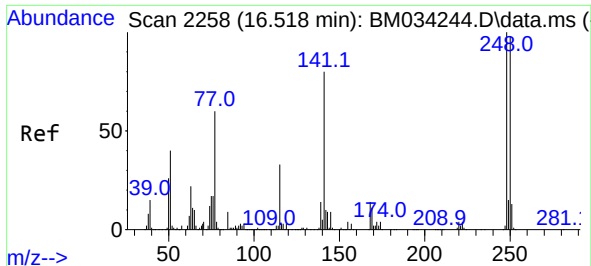
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#66
n-Nitrosodiphenylamine
Concen: 4.400 ng
RT: 15.830 min Scan# 2141
Delta R.T. -0.012 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

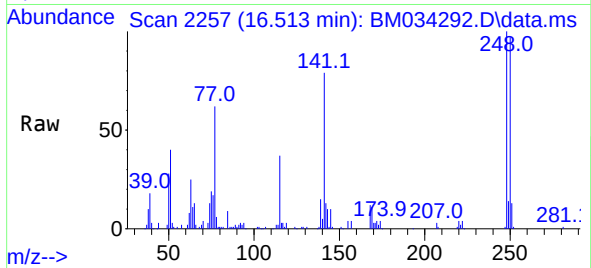
Tgt Ion:169 Resp: 165025
Ion Ratio Lower Upper
169 100
168 65.0 53.9 80.9
167 36.0 29.0 43.4





#67
4-Bromophenyl-phenylether
Concen: 4.289 ng
RT: 16.513 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



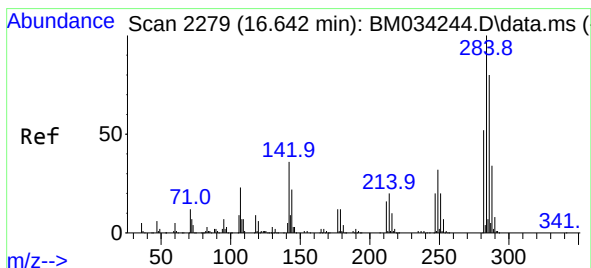
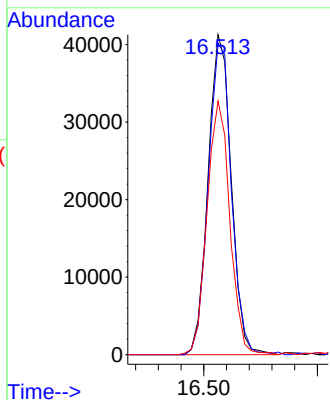
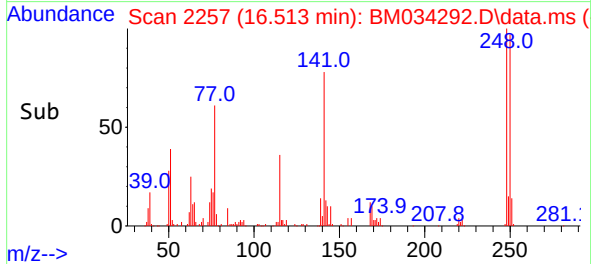
Tgt Ion:248 Resp: 5821
Ion Ratio Lower Upper
248 100
250 97.3 78.0 117.0
141 79.2 63.8 95.6

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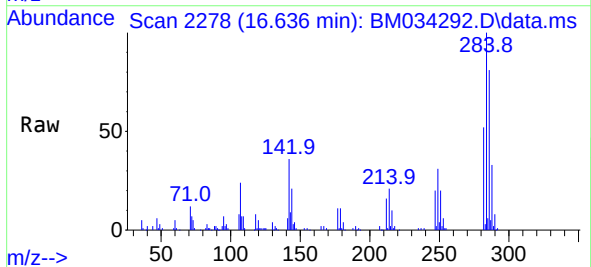
Reviewed By :Christian
Giraldo

Supervised By :Jagrut
Upadhyay
03/22/2022

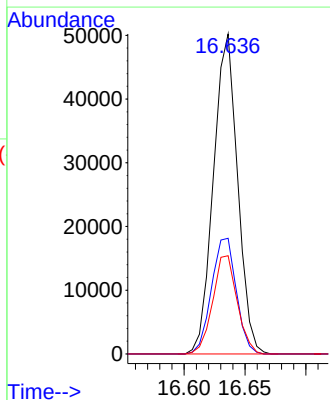
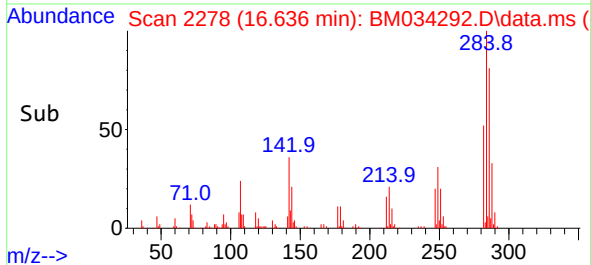
03/22/2022
Supervised By :Jagrut
Upadhyay

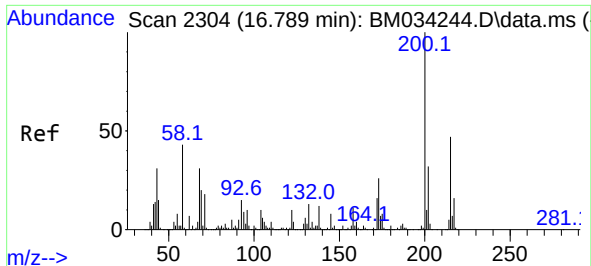


#68
Hexachlorobenzene
Concen: 4.579 ng
RT: 16.636 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40



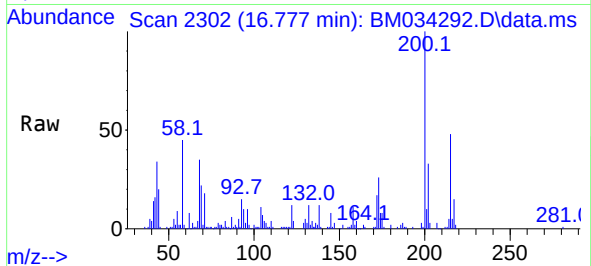
Tgt Ion:284 Resp: 69322
Ion Ratio Lower Upper
284 100
142 36.2 28.9 43.3
249 30.7 25.4 38.0





#69
Atrazine
Concen: 4.797 ng
RT: 16.777 min Scan# 21
Delta R.T. -0.012 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:200 Resp: 59304
Ion Ratio Lower Upper
200 100
173 25.9 6.1 46.1
215 48.3 27.4 67.4

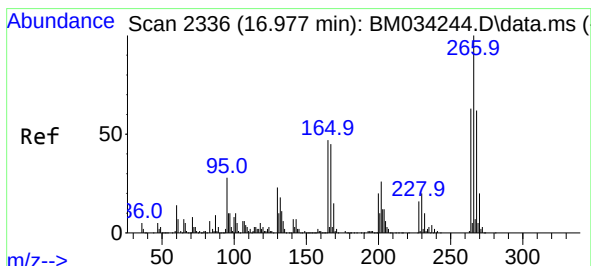
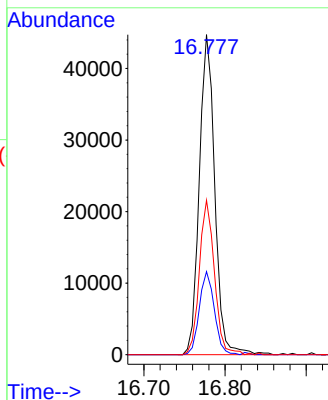
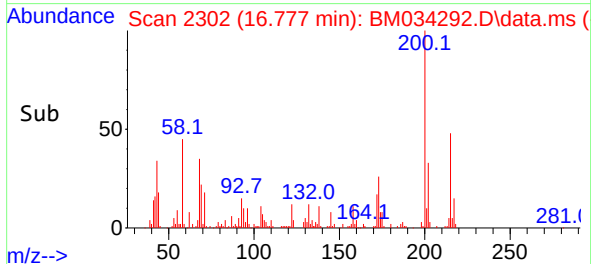
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Reviewed By :Christian
Giraldo

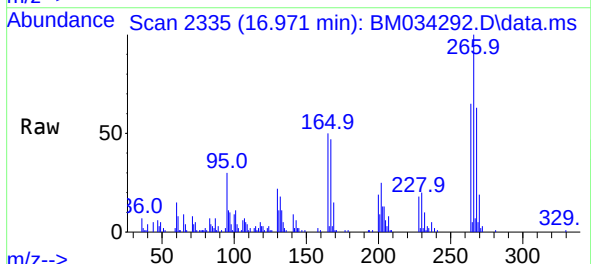
Supervised By :Jagrut
Upadhyay
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Supervised By :Jagrut
Upadhyay

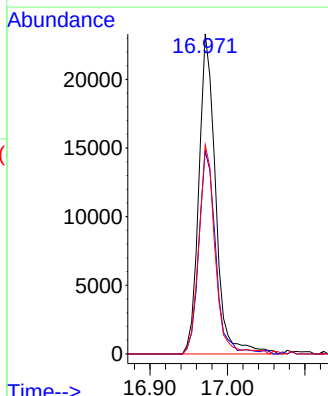
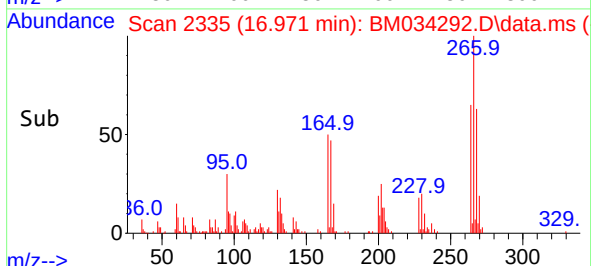
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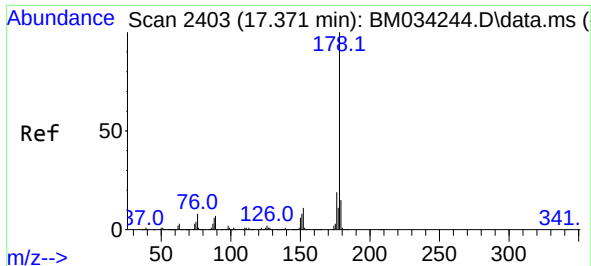


#70
Pentachlorophenol
Concen: 3.623 ng
RT: 16.971 min Scan# 2335
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40



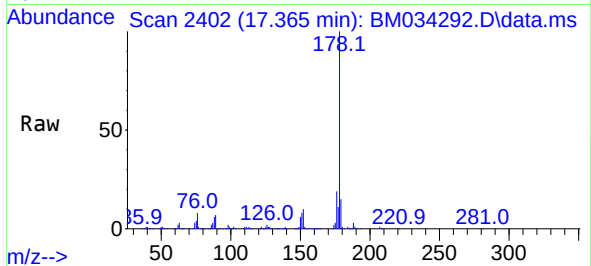
Tgt Ion:266 Resp: 35070
Ion Ratio Lower Upper
266 100
268 63.4 49.8 74.8
264 65.3 50.3 75.5





#71
Phenanthrene
Concen: 4.604 ng
RT: 17.365 min Scan# 2403
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:178 Resp: 304412
Ion Ratio Lower Upper
178 100
176 18.9 15.1 22.7
179 15.0 12.2 18.4

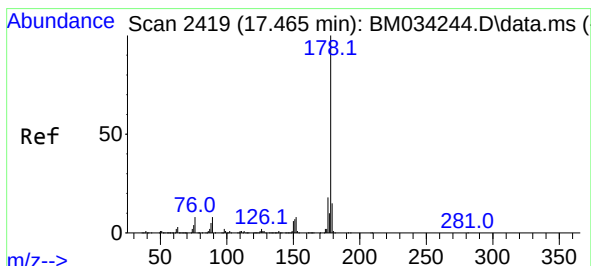
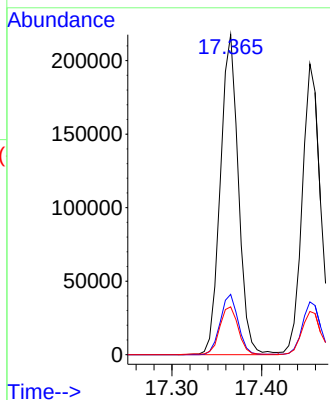
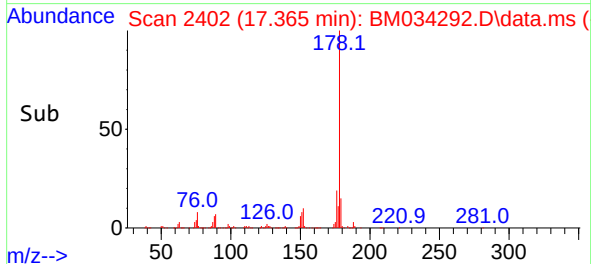
Manual Integrations
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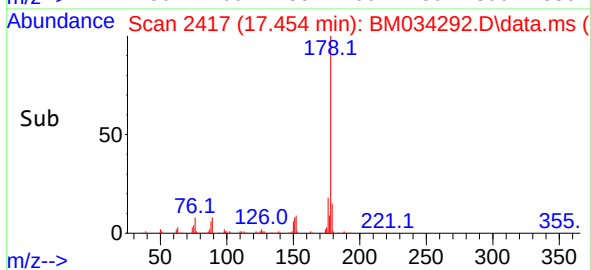
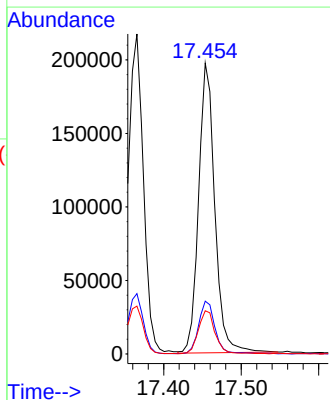
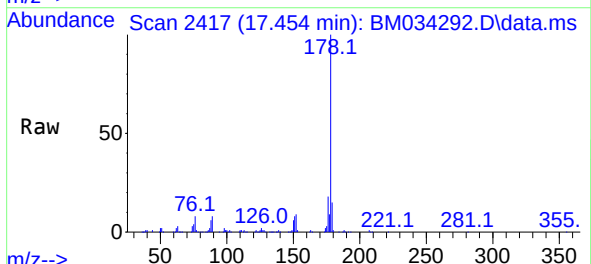
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Supervised By :Jagrut
Upadhyay

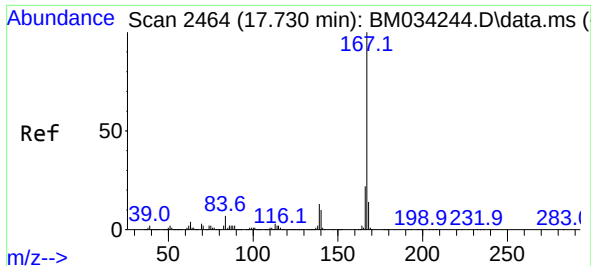
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#72
Anthracene
Concen: 4.444 ng
RT: 17.454 min Scan# 2417
Delta R.T. -0.012 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

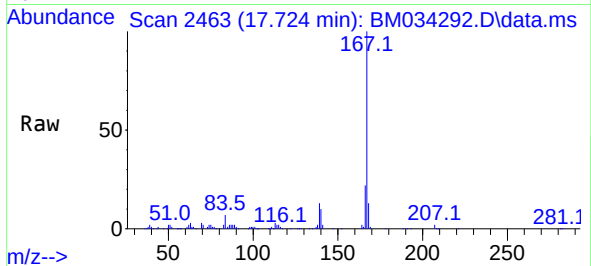
Tgt Ion:178 Resp: 285966
Ion Ratio Lower Upper
178 100
176 18.1 14.6 22.0
179 14.8 12.2 18.2





#73
 Carbazole
 Concen: 3.982 ng
 RT: 17.724 min Scan# 2464
 Delta R.T. -0.006 min
 Lab File: BM034292.D
 Acq: 21 Mar 2022 17:40

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021



Tgt Ion:167 Resp: 239010
 Ion Ratio Lower Upper
 167 100
 166 22.1 17.4 26.2
 139 12.6 10.4 15.6

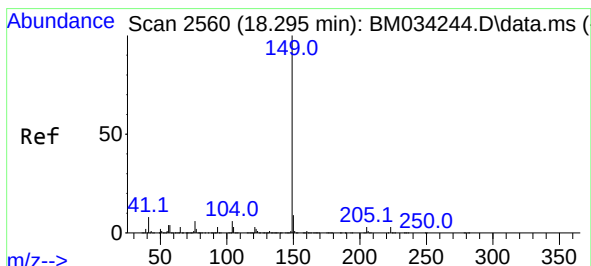
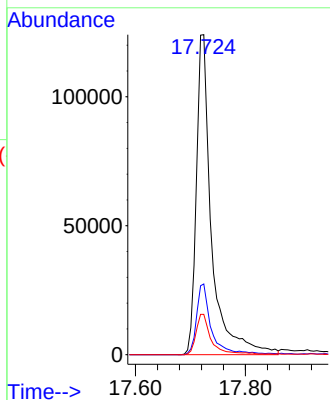
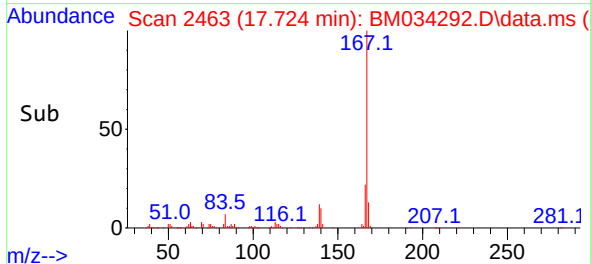
Manual Integrations
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Supervised By :Jagrut
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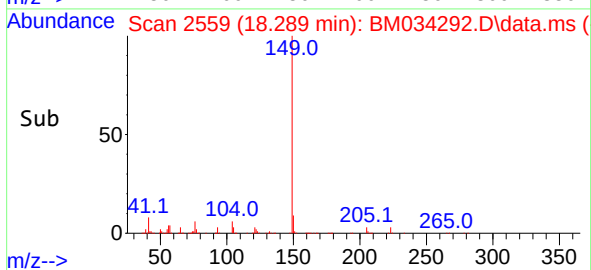
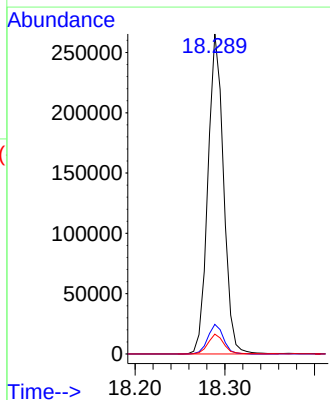
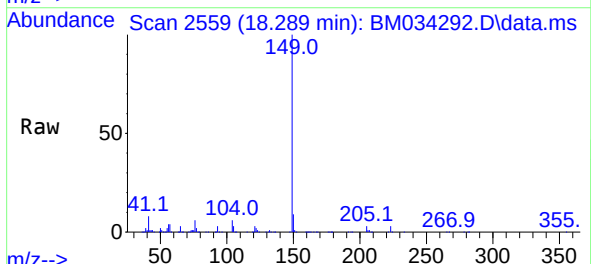
03/22/2022
 Supervised By :Jagrut
 Upadhyay

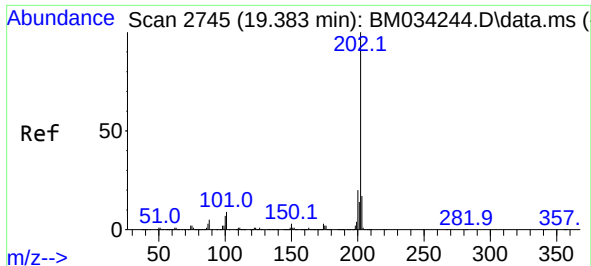
03/22/2022



#74
 Di-n-butylphthalate
 Concen: 4.310 ng
 RT: 18.289 min Scan# 2559
 Delta R.T. -0.006 min
 Lab File: BM034292.D
 Acq: 21 Mar 2022 17:40

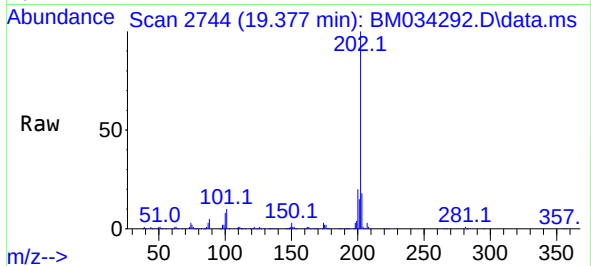
Tgt Ion:149 Resp: 321599
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.6 11.4
 104 6.2 4.7 7.1





#75
Fluoranthene
Concen: 4.632 ng
RT: 19.377 min Scan# 21
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



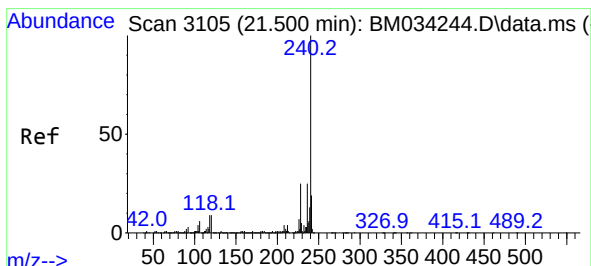
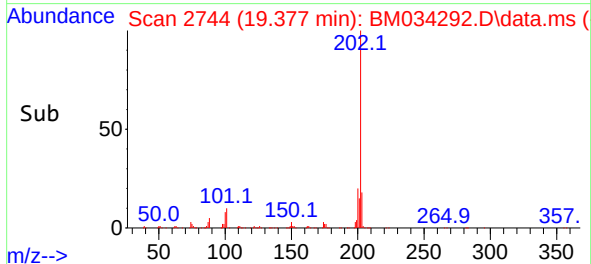
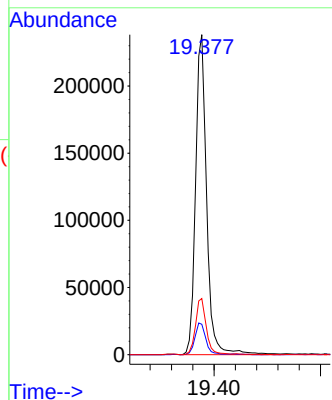
Tgt Ion:202 Resp: 343329
Ion Ratio Lower Upper
202 100
101 9.5 0.0 29.4
203 17.5 0.0 37.1

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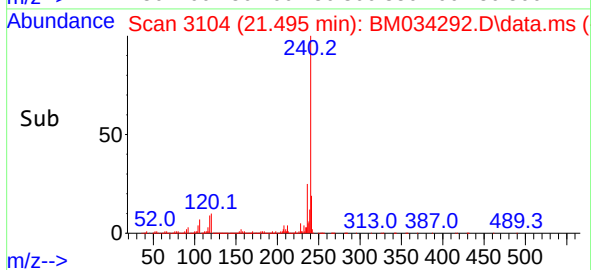
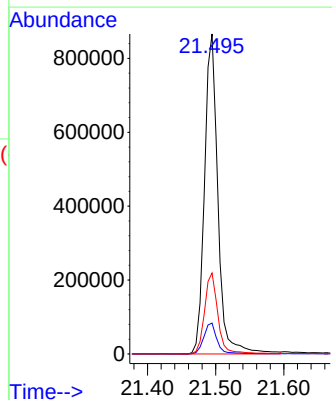
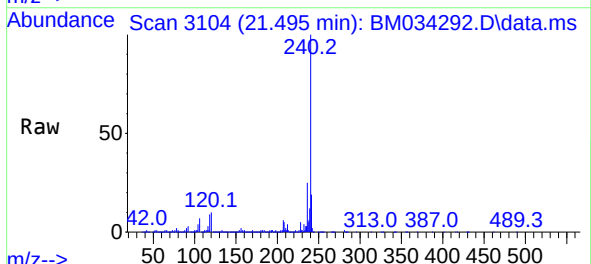
Supervised By :Jagrut
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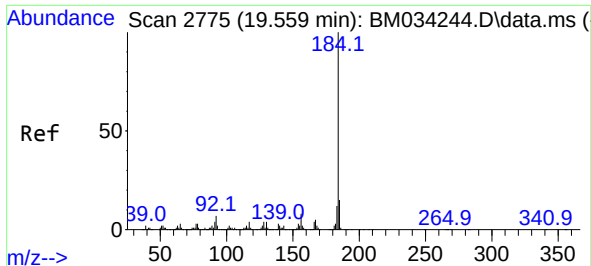
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#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.495 min Scan# 3104
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

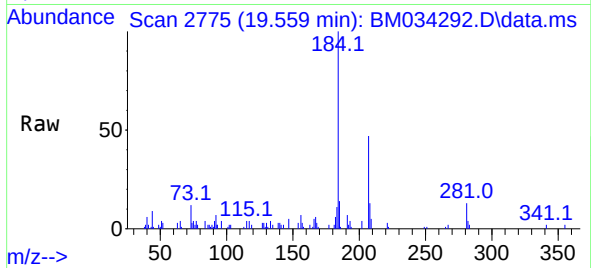
Tgt Ion:240 Resp: 1185763
Ion Ratio Lower Upper
240 100
120 9.6 7.3 10.9
236 25.3 20.2 30.2





#77
Benzidine
Concen: 4.718 ng m
RT: 19.559 min Scan# 21
Delta R.T. 0.000 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



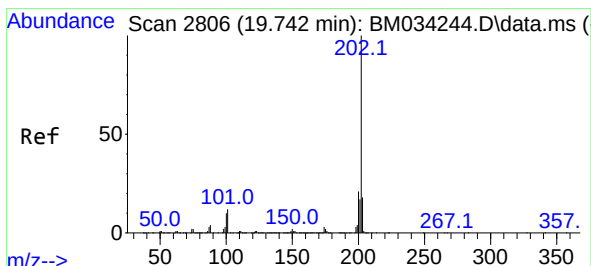
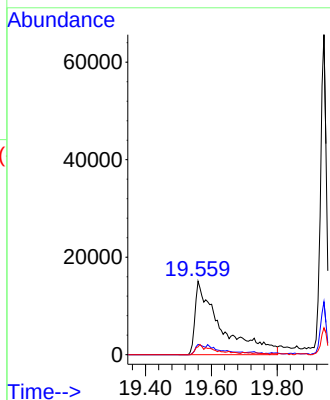
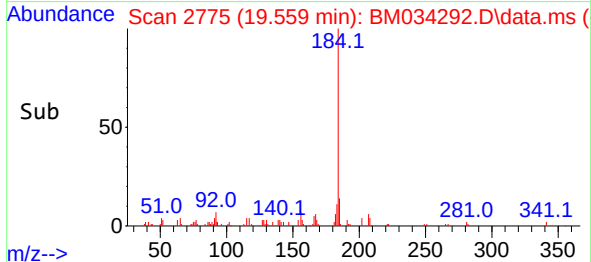
Tgt Ion:184 Resp: 81970
Ion Ratio Lower Upper
184 100
185 13.9 11.7 17.5
183 10.7 9.8 14.6

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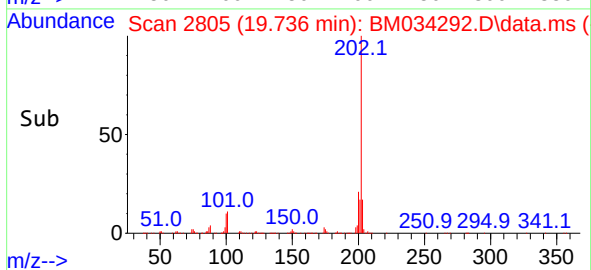
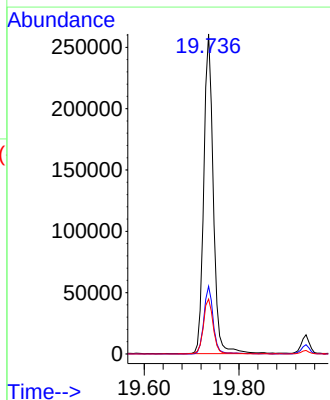
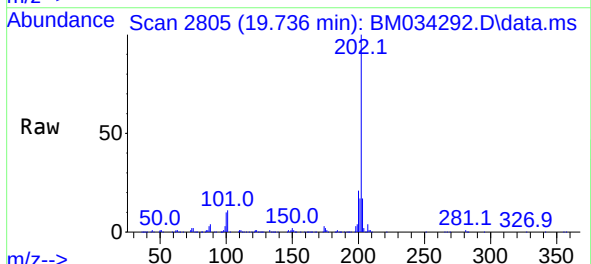
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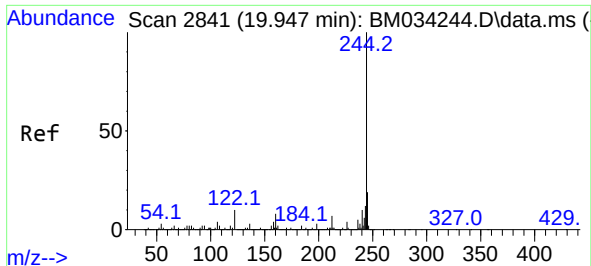
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#78
Pyrene
Concen: 4.377 ng
RT: 19.736 min Scan# 2805
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

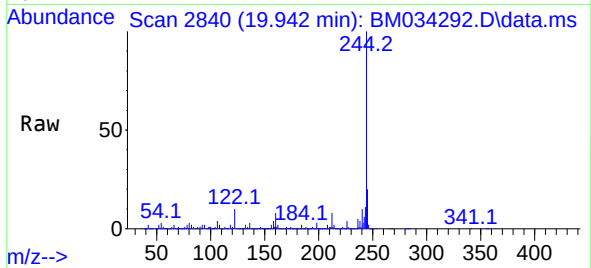
Tgt Ion:202 Resp: 365652
Ion Ratio Lower Upper
202 100
200 21.2 16.6 24.8
203 17.2 14.1 21.1





#79
 Terphenyl-d14
 Concen: 70.245 ng
 RT: 19.942 min Scan# 21
 Delta R.T. -0.006 min
 Lab File: BM034292.D
 Acq: 21 Mar 2022 17:40

Instrument :
 BNA_M
 ClientSampleId :
 LOQ-SOIL-02-QT4-2021



Tgt Ion:244 Resp: 4793580
 Ion Ratio Lower Upper
 244 100
 212 7.6 5.9 8.9
 122 10.4 7.8 11.8

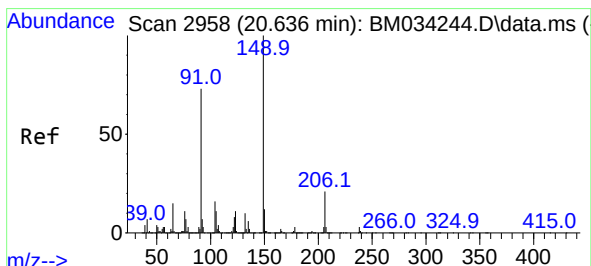
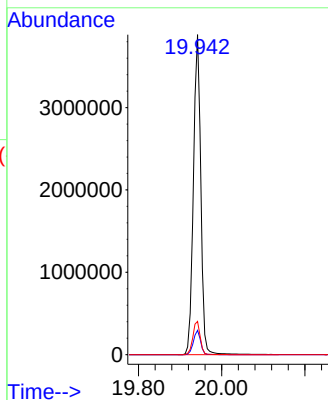
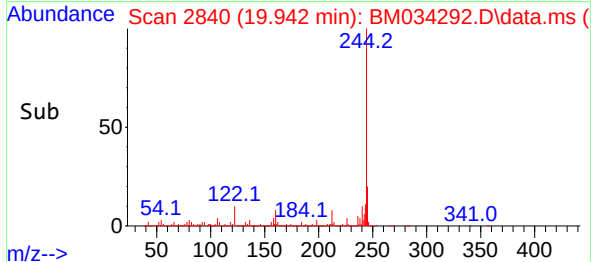
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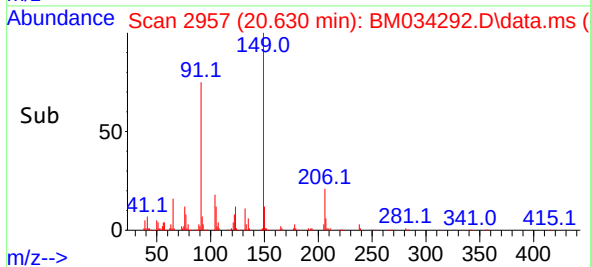
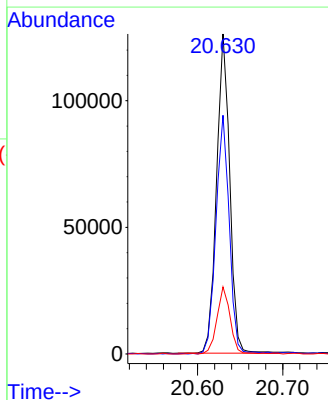
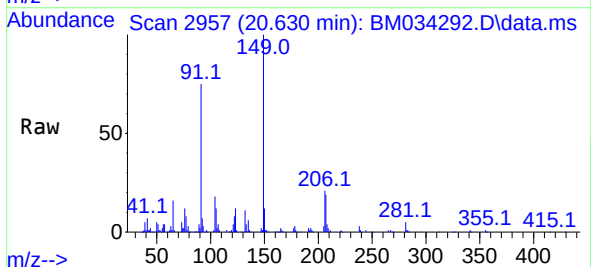
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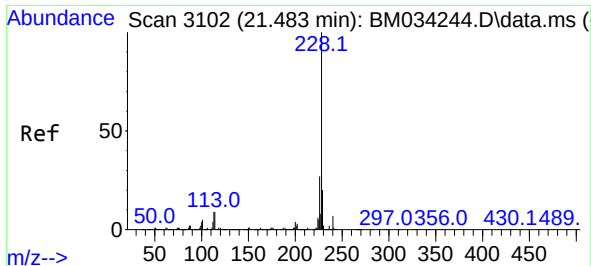
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#80
 Butylbenzylphthalate
 Concen: 3.824 ng
 RT: 20.630 min Scan# 2957
 Delta R.T. -0.006 min
 Lab File: BM034292.D
 Acq: 21 Mar 2022 17:40

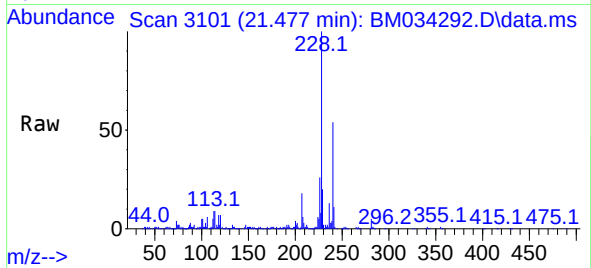
Tgt Ion:149 Resp: 135116
 Ion Ratio Lower Upper
 149 100
 91 74.6 58.5 87.7
 206 20.9 16.9 25.3





#81
Benzo(a)anthracene
Concen: 4.590 ng
RT: 21.477 min Scan# 3102
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:228 Resp: 34351
Ion Ratio Lower Upper
228 100
226 26.2 21.6 32.4
229 20.4 15.8 23.6

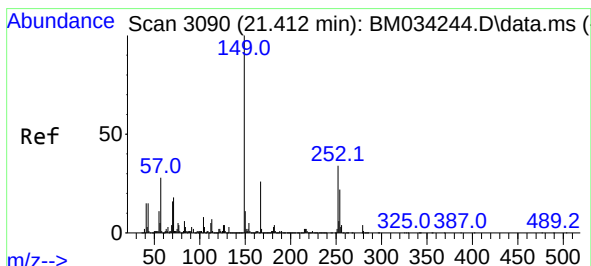
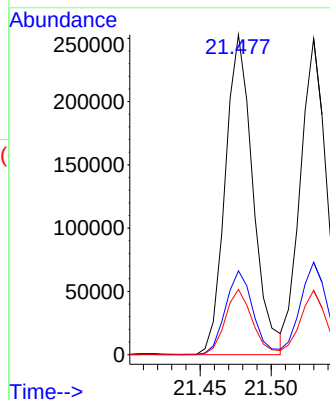
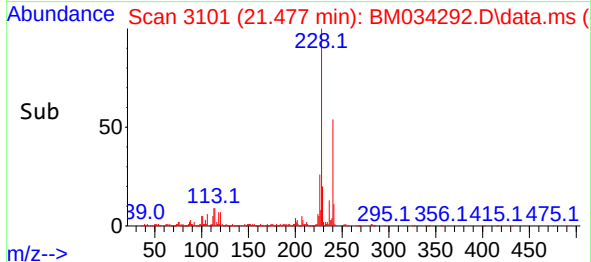
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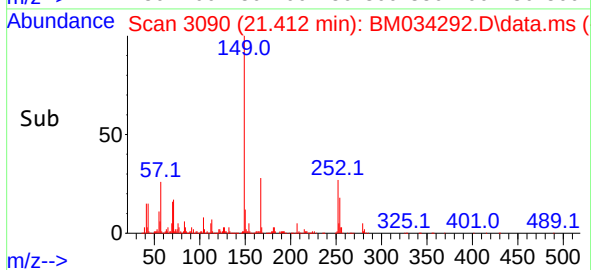
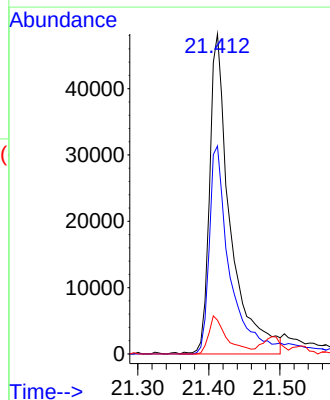
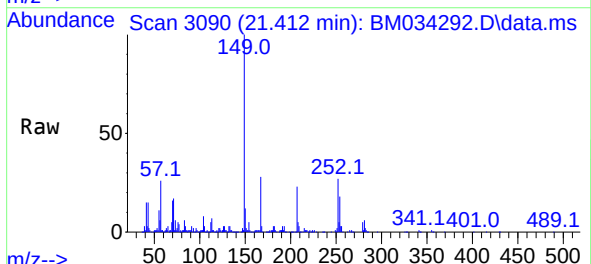
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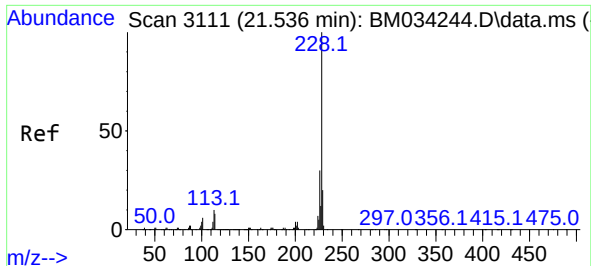
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#82
3,3'-Dichlorobenzidine
Concen: 3.895 ng
RT: 21.412 min Scan# 3090
Delta R.T. 0.000 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

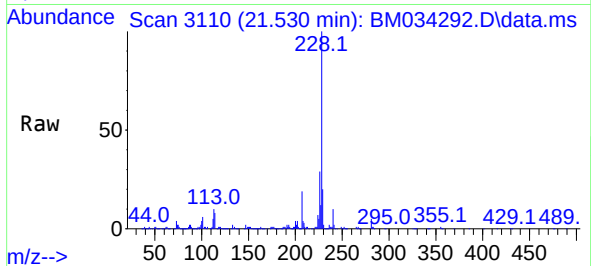
Tgt Ion:252 Resp: 97367
Ion Ratio Lower Upper
252 100
254 65.0 50.9 76.3
126 10.5 8.6 12.8





#83
Chrysene
Concen: 4.400 ng
RT: 21.530 min Scan# 3111
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:228 Resp: 33627
Ion Ratio Lower Upper
228 100
226 29.3 23.8 35.6
229 20.3 15.6 23.4

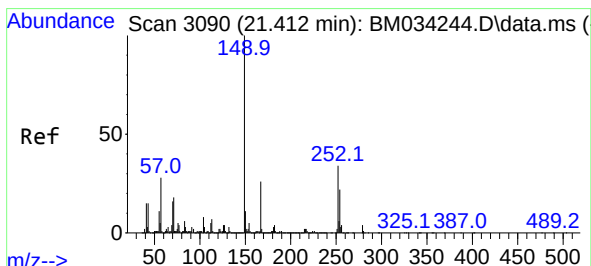
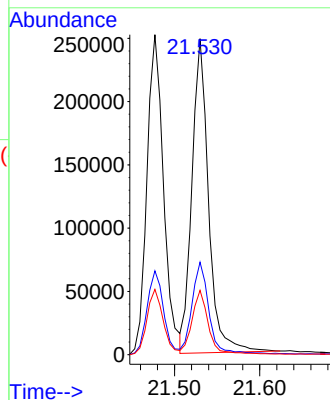
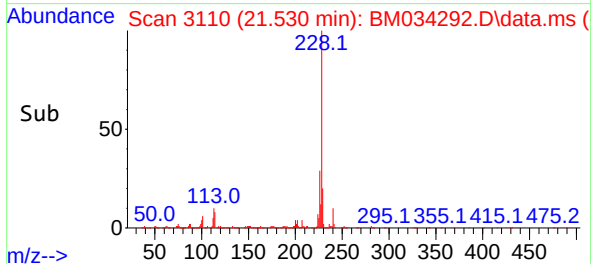
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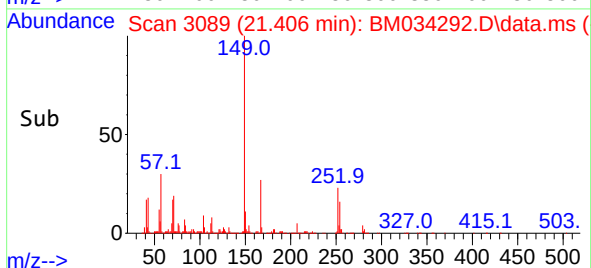
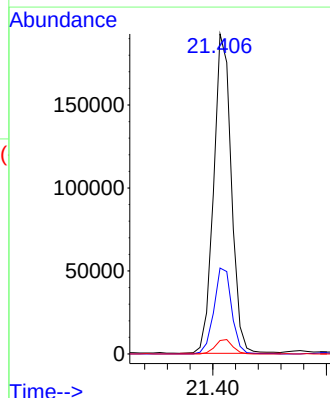
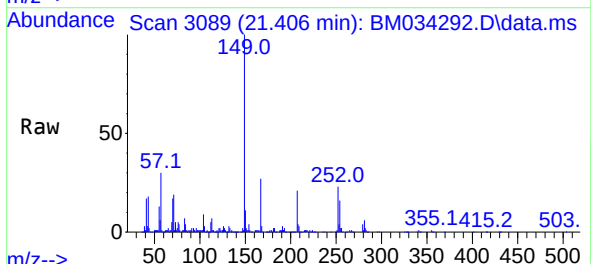
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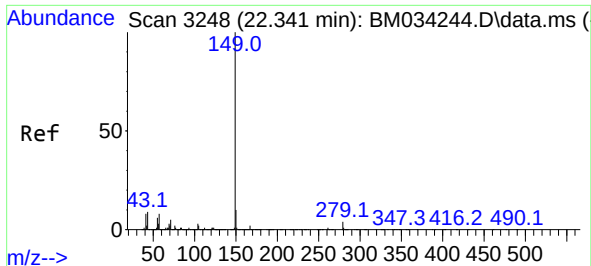
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#84
Bis(2-ethylhexyl)phthalate
Concen: 3.989 ng
RT: 21.406 min Scan# 3089
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

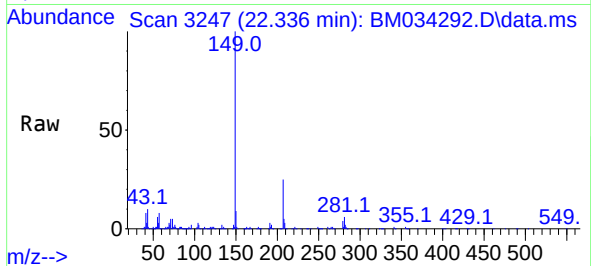
Tgt Ion:149 Resp: 208123
Ion Ratio Lower Upper
149 100
167 26.9 21.2 31.8
279 4.2 3.4 5.2





#85
Di-n-octyl phthalate
Concen: 4.072 ng
RT: 22.336 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:149 Resp: 337278
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 10.2 7.8 11.8

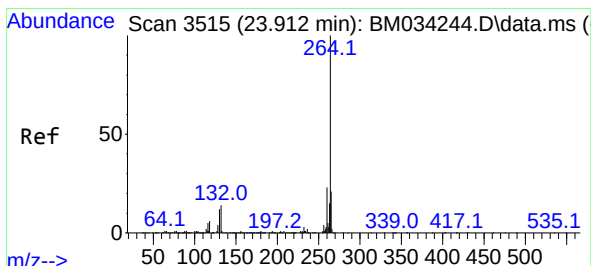
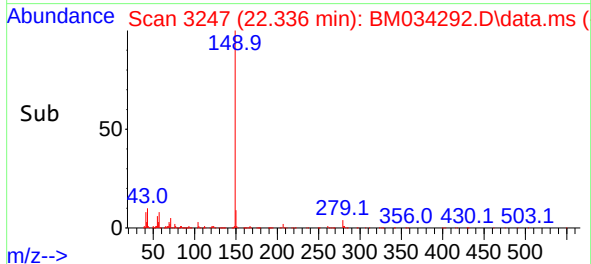
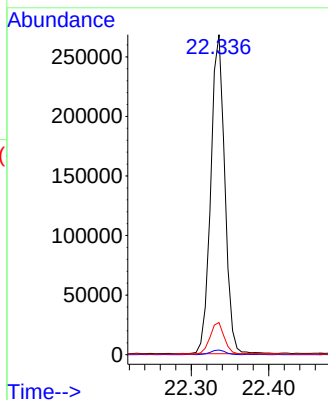
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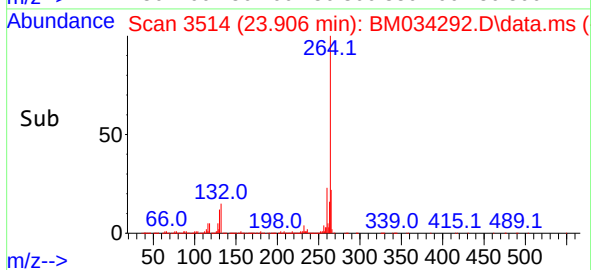
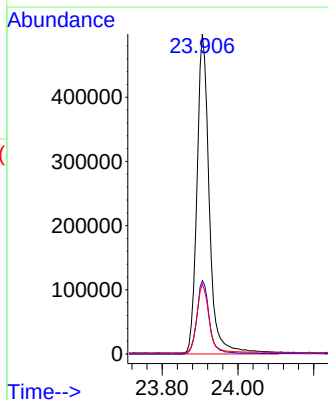
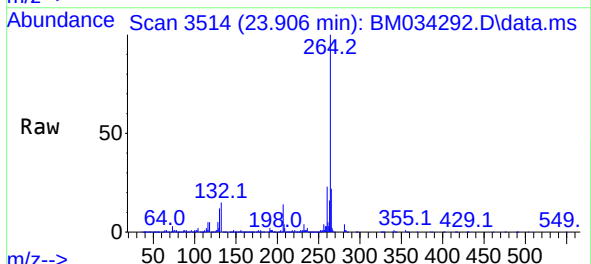
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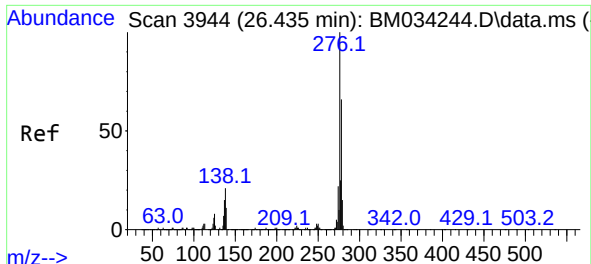
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#86
Perylene-d12
Concen: 20.000 ng
RT: 23.906 min Scan# 3514
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Tgt Ion:264 Resp: 1136280
Ion Ratio Lower Upper
264 100
260 22.9 18.6 28.0
265 21.9 17.6 26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.605 ng
RT: 26.418 min Scan# 3941
Delta R.T. -0.018 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021

Tgt Ion:276 Resp: 26350
Ion Ratio Lower Upper
276 100
138 20.7 16.6 25.0
277 23.3 19.8 29.6

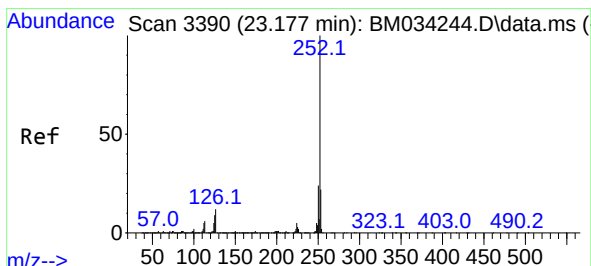
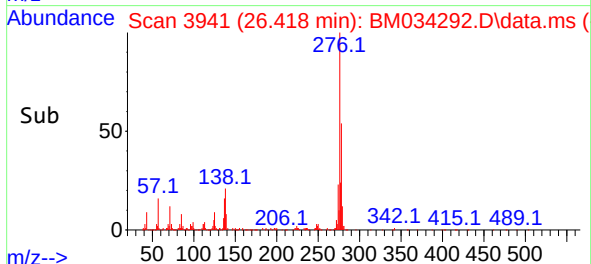
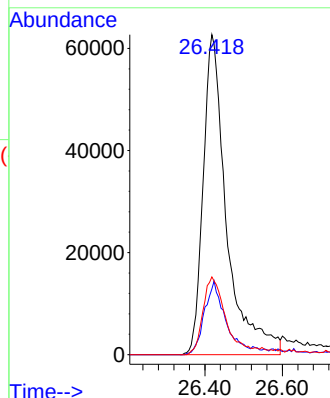
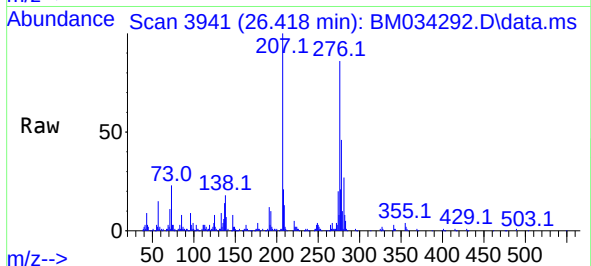
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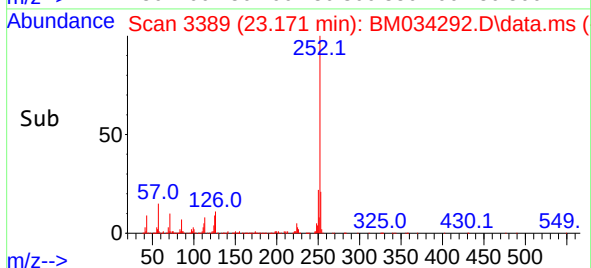
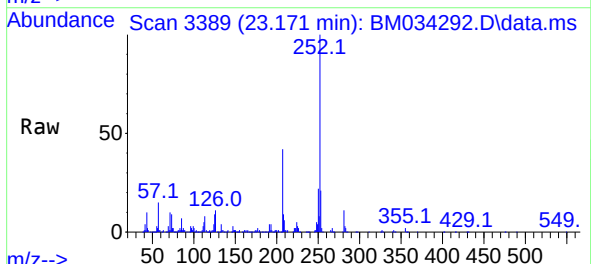
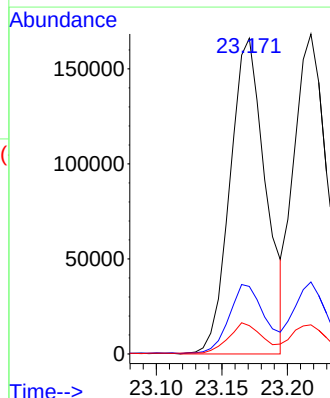
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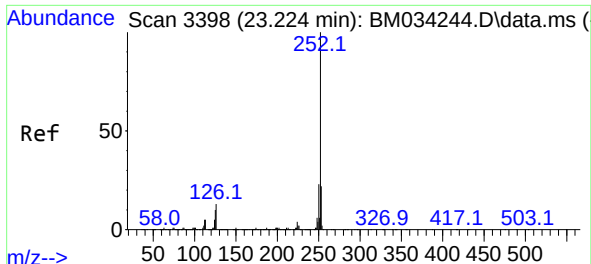
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#88
Benzo(b)fluoranthene
Concen: 4.617 ng
RT: 23.171 min Scan# 3389
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

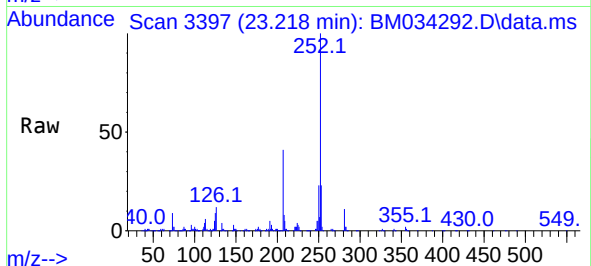
Tgt Ion:252 Resp: 313697
Ion Ratio Lower Upper
252 100
253 21.4 17.8 26.8
125 9.0 7.2 10.8





#89
Benzo(k)fluoranthene
Concen: 4.693 ng
RT: 23.218 min Scan# 31
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



Tgt Ion:252 Resp: 33778
Ion Ratio Lower Upper
252 100
253 22.5 17.6 26.4
125 9.1 7.5 11.3

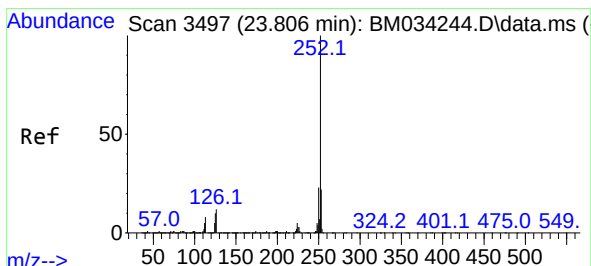
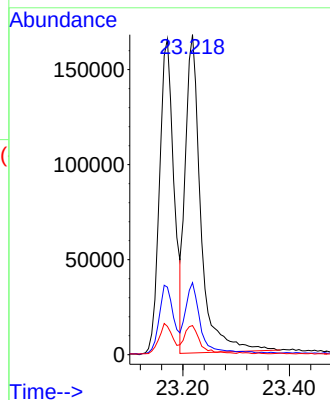
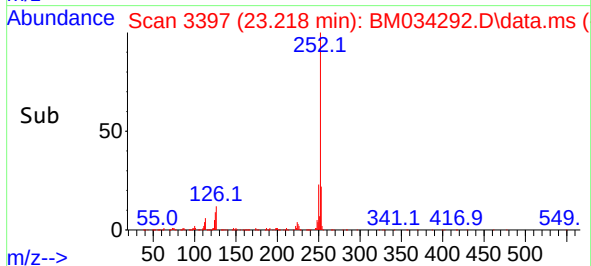
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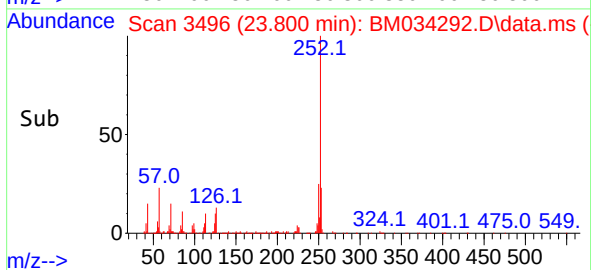
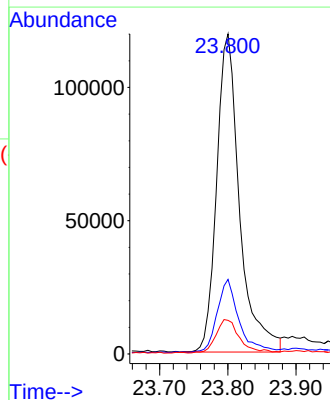
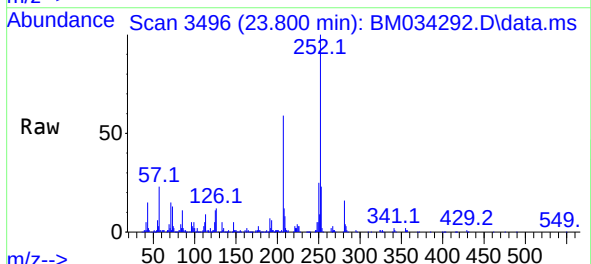
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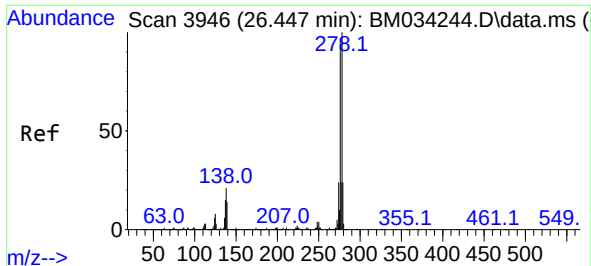
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#90
Benzo(a)pyrene
Concen: 4.854 ng
RT: 23.800 min Scan# 3496
Delta R.T. -0.006 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

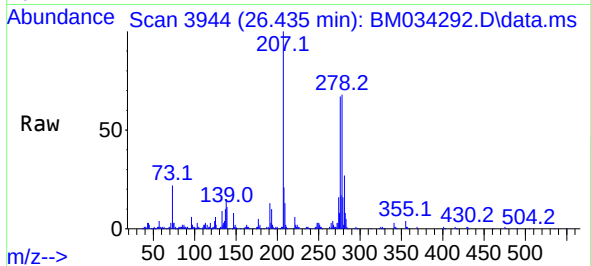
Tgt Ion:252 Resp: 279620
Ion Ratio Lower Upper
252 100
253 23.3 17.5 26.3
125 10.5 7.8 11.6





#91
Dibenzo(a,h)anthracene
Concen: 3.603 ng
RT: 26.435 min Scan# 3946
Delta R.T. -0.012 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Instrument :
BNA_M
ClientSampleId :
LOQ-SOIL-02-QT4-2021



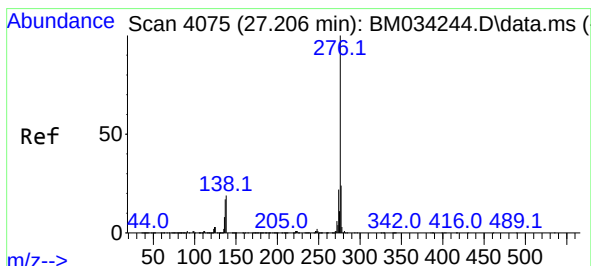
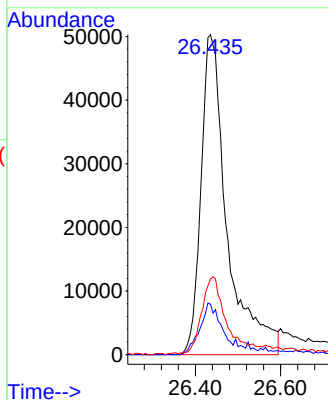
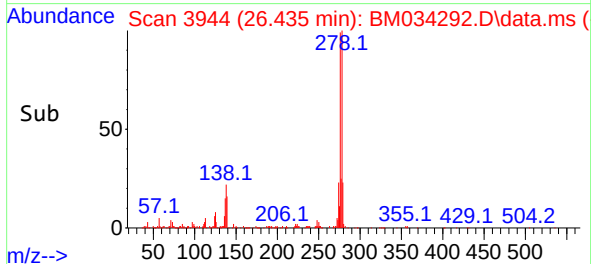
Tgt Ion:278 Resp: 21356
Ion Ratio Lower Upper
278 100
139 15.8 11.2 16.8
279 23.6 19.2 28.8

Manual Integrations
APPROVED

Reviewed By :Christian
Giraldo

Supervised By :Jagrut
Upadhyay
03/22/2022

03/22/2022
Supervised By :Jagrut
Upadhyay



#92
Benzo(g,h,i)perylene
Concen: 3.962 ng
RT: 27.194 min Scan# 4073
Delta R.T. -0.012 min
Lab File: BM034292.D
Acq: 21 Mar 2022 17:40

Tgt Ion:276 Resp: 243027
Ion Ratio Lower Upper
276 100
277 23.9 19.0 28.4
138 16.4 15.6 23.4

