

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082621\
 Data File : BM031916.D
 Acq On : 26 Aug 2021 16:26
 Operator : CG/JU
 Sample : M2262-03
 Misc : MDL-MDL-SOIL-4ppm
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2021

Manual Integrations
 APPROVED

mohammad
 8/27/2021 5:07:53 PM

Quant Time: Aug 26 17:27:19 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 26 16:22:50 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.516	152	52994	20.000	ng	0.00
21) Naphthalene-d8	10.275	136	204917	20.000	ng	0.00
39) Acenaphthene-d10	14.157	164	123061	20.000	ng	0.00
64) Phenanthrene-d10	16.909	188	233951	20.000	ng	0.00
76) Chrysene-d12	21.121	240	201128	20.000	ng	0.00
86) Perylene-d12	23.262	264	205970	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.151	112	378675	114.131	ng	0.00
7) Phenol-d6	6.716	99	505662	106.288	ng	0.00
23) Nitrobenzene-d5	8.669	82	458088	101.120	ng	0.00
42) 2,4,6-Tribromophenol	15.657	330	147288	110.875	ng	0.00
45) 2-Fluorobiphenyl	12.768	172	999029	109.791	ng	0.00
79) Terphenyl-d14	19.562	244	1469531	117.458	ng	0.00
Target Compounds						
					Qvalue	
2) 1,4-Dioxane	3.175	88	5306	4.026	ng	# 79
3) Pyridine	3.569	79	11091m	3.205	ng	
4) n-Nitrosodimethylamine	3.487	42	6587	3.539	ng	# 67
6) Aniline	6.869	93	21859	4.299	ng	95
8) 2-Chlorophenol	7.087	128	14455	3.762	ng	97
9) Benzaldehyde	6.687	77	14371m	4.925	ng	
10) Phenol	6.739	94	18364	3.891	ng	96
11) bis(2-Chloroethyl)ether	6.969	93	14172	3.934	ng	92
12) 1,3-Dichlorobenzene	7.404	146	15987	3.922	ng	93
13) 1,4-Dichlorobenzene	7.551	146	16568	3.961	ng	96
14) 1,2-Dichlorobenzene	7.857	146	15939	3.939	ng	96
15) Benzyl Alcohol	7.769	79	12065	3.363	ng	89
16) 2,2'-oxybis(1-Chloropr...	8.051	45	19825	4.008	ng	97
17) 2-Methylphenol	7.969	107	11656	3.648	ng	93
18) Hexachloroethane	8.569	117	6027	3.692	ng	93
19) n-Nitroso-di-n-propyla...	8.328	70	10870	3.224	ng	91
20) 3+4-Methylphenols	8.298	107	14746	3.341	ng	96
22) Acetophenone	8.339	105	22850	4.104	ng	94
24) Nitrobenzene	8.710	77	20613m	4.476	ng	
25) Isophorone	9.233	82	28202	3.538	ng	98
26) 2-Nitrophenol	9.416	139	6478	3.399	ng	# 82
27) 2,4-Dimethylphenol	9.480	122	11699	4.020	ng	92
28) bis(2-Chloroethoxy)met...	9.722	93	17447	4.162	ng	96
29) 2,4-Dichlorophenol	9.951	162	11238	3.441	ng	94
30) 1,2,4-Trichlorobenzene	10.139	180	14481	4.062	ng	94
31) Naphthalene	10.322	128	44780	3.947	ng	99
33) 4-Chloroaniline	10.463	127	17694	3.834	ng	93
34) Hexachlorobutadiene	10.604	225	8295	3.840	ng	97
35) Caprolactam	11.269	113	2513	2.454	ng	# 73
36) 4-Chloro-3-methylphenol	11.592	107	13023	3.407	ng	94
37) 2-Methylnaphthalene	11.945	142	31092	3.780	ng	94
38) 1-Methylnaphthalene	12.169	142	28895	3.681	ng	95
40) 1,2,4,5-Tetrachloroben...	12.321	216	14672	4.130	ng	98
41) Hexachlorocyclopentadiene	12.292	237	5679	3.450	ng	93
43) 2,4,6-Trichlorophenol	12.586	196	8409	3.328	ng	95
44) 2,4,5-Trichlorophenol	12.663	196	9366	3.412	ng	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM082621\
 Data File : BM031916.D
 Acq On : 26 Aug 2021 16:26
 Operator : CG/JU
 Sample : M2262-03
 Misc : MDL-MDL-SOIL-4ppm
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT2-2021

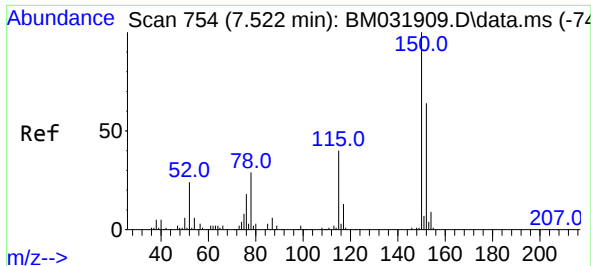
Manual Integrations
 APPROVED

mohammad
 8/27/2021 5:07:53 PM

Quant Time: Aug 26 17:27:19 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM082621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 26 16:22:50 2021
 Response via : Initial Calibration

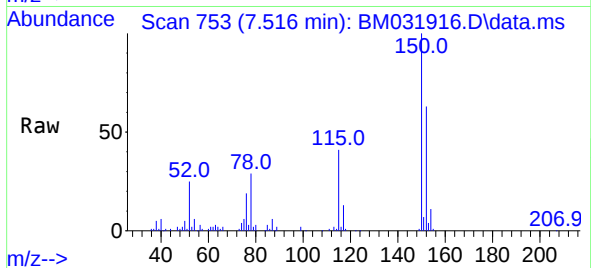
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	12.980	154	40158	4.167	ng	100
47) 2-Chloronaphthalene	13.021	162	29908	3.937	ng	98
48) 2-Nitroaniline	13.251	65	7922	3.263	ng	94
49) Acenaphthylene	13.874	152	44860	3.738	ng	99
50) Dimethylphthalate	13.633	163	36766	3.866	ng	98
51) 2,6-Dinitrotoluene	13.757	165	6633	3.109	ng	89
52) Acenaphthene	14.221	154	28114	3.821	ng	99
53) 3-Nitroaniline	14.092	138	6435	3.067	ng	# 84
55) Dibenzofuran	14.562	168	44751	3.741	ng	99
56) 4-Nitrophenol	14.457	139	3824m	2.277	ng	
57) 2,4-Dinitrotoluene	14.557	165	8579	2.961	ng	# 84
58) Fluorene	15.215	166	35062	3.622	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.798	232	7731	3.327	ng	# 92
60) Diethylphthalate	15.010	149	36525	3.669	ng	98
61) 4-Chlorophenyl-phenyle...	15.215	204	17581	3.768	ng	96
62) 4-Nitroaniline	15.268	138	5138	2.503	ng	91
63) Azobenzene	15.509	77	36328	3.309	ng	95
65) 4,6-Dinitro-2-methylph...	15.333	198	3194	2.047	ng	86
66) n-Nitrosodiphenylamine	15.439	169	28997	3.681	ng	94
67) 4-Bromophenyl-phenylether	16.109	248	9567	3.843	ng	91
68) Hexachlorobenzene	16.215	284	10546	3.963	ng	97
69) Atrazine	16.404	200	9572	3.891	ng	94
70) Pentachlorophenol	16.574	266	4557	2.739	ng	93
71) Phenanthrene	16.951	178	53802	3.872	ng	100
72) Anthracene	17.051	178	52118	3.848	ng	98
73) Carbazole	17.333	167	43361	3.331	ng	98
74) Di-n-butylphthalate	17.898	149	49919	3.194	ng	98
75) Fluoranthene	18.980	202	54908	3.631	ng	99
77) Benzidine	19.192	184	23687	4.799	ng	97
78) Pyrene	19.345	202	56345	3.524	ng	99
80) Butylbenzylphthalate	20.268	149	21499	3.165	ng	96
81) Benzo(a)anthracene	21.103	228	53744	3.751	ng	98
82) 3,3'-Dichlorobenzidine	21.056	252	18431	4.644	ng	98
83) Chrysene	21.156	228	54467	3.903	ng	98
84) Bis(2-ethylhexyl)phtha...	21.050	149	29981	3.055	ng	99
85) Di-n-octyl phthalate	21.909	149	52517	3.388	ng	96
87) Indeno(1,2,3-cd)pyrene	25.379	276	61095	4.264	ng	96
88) Benzo(b)fluoranthene	22.627	252	55008	3.610	ng	98
89) Benzo(k)fluoranthene	22.668	252	50066	3.432	ng	98
90) Benzo(a)pyrene	23.168	252	52907	3.957	ng	# 97
91) Dibenzo(a,h)anthracene	25.391	278	51883	4.175	ng	# 95
92) Benzo(g,h,i)perylene	26.021	276	52365	4.474	ng	96

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

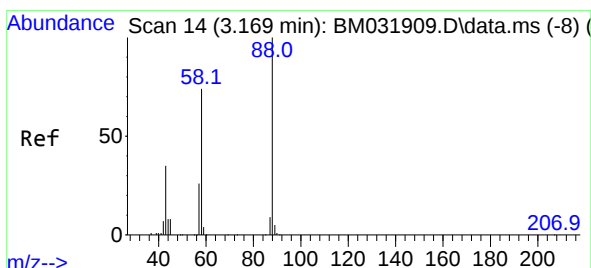
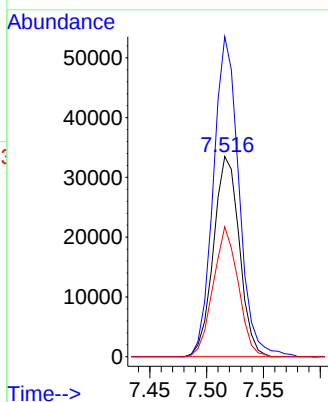
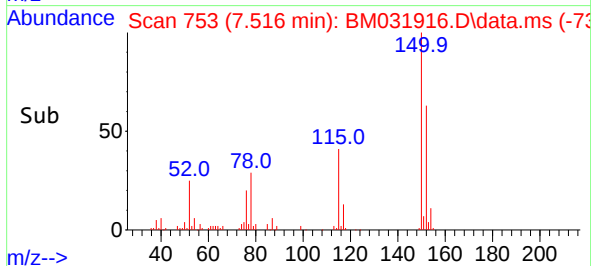
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021



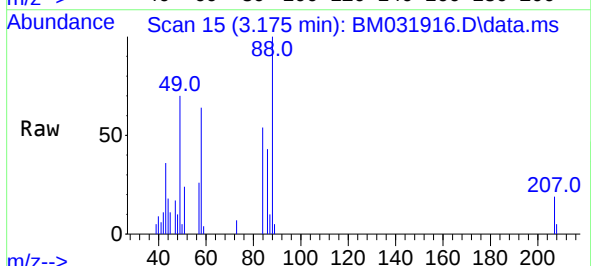
Tgt Ion:152 Resp: 52994
Ion Ratio Lower Upper
152 100
150 159.9 122.4 183.6
115 64.9 53.8 80.8

Manual Integrations
APPROVED

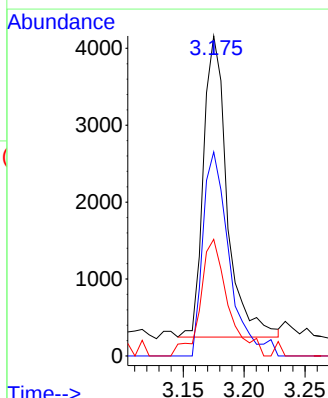
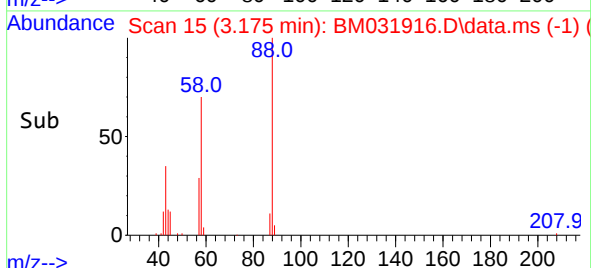
mohammad
8/27/2021 5:07:53 PM

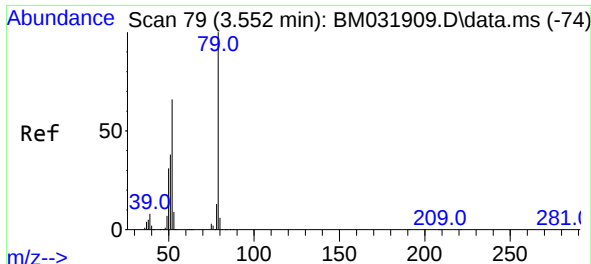


#2
1,4-Dioxane
Concen: 4.026 ng
RT: 3.175 min Scan# 15
Delta R.T. 0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26



Tgt Ion: 88 Resp: 5306
Ion Ratio Lower Upper
88 100
58 75.1 50.4 75.6
43 44.9 22.2 33.2#





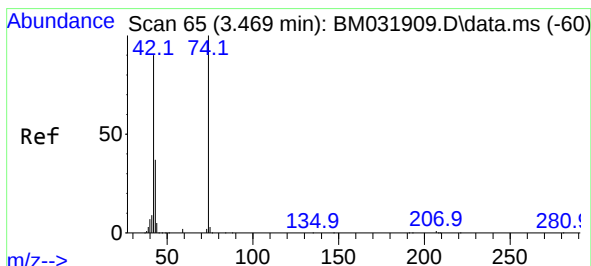
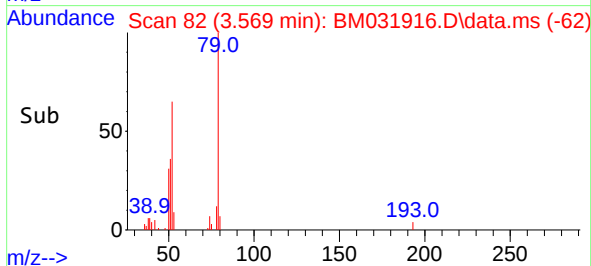
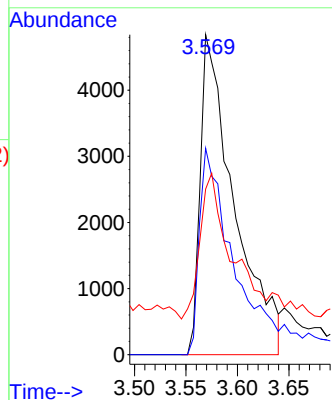
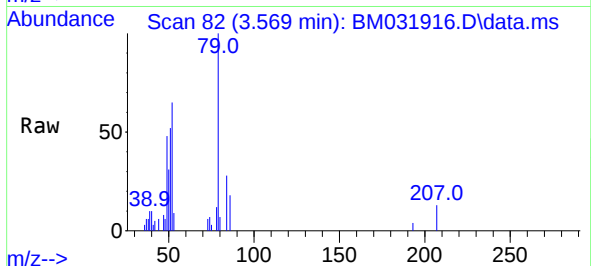
#3
Pyridine
Concen: 3.205 ng m
RT: 3.569 min Scan# 82
Delta R.T. 0.018 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

Tgt Ion: 79 Resp: 11091
Ion Ratio Lower Upper
79 100
52 64.5 48.6 73.0
51 51.8 27.4 41.2#

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021

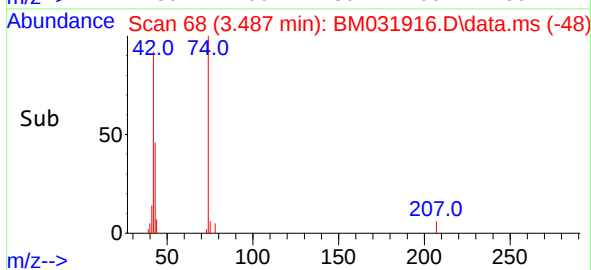
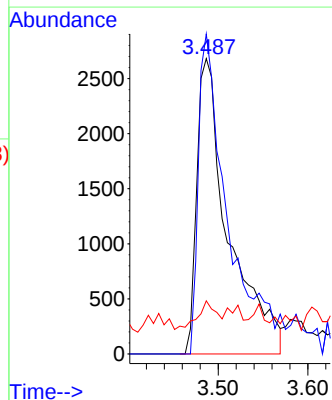
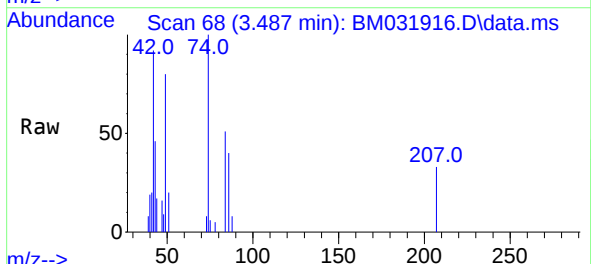
Manual Integrations
APPROVED

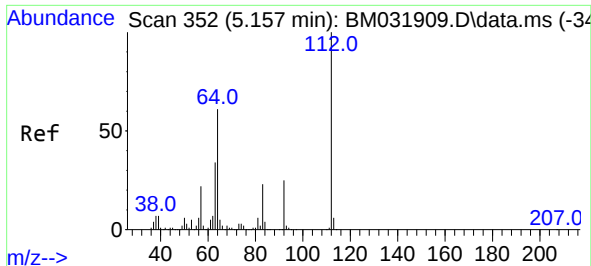
mohammad
8/27/2021 5:07:53 PM



#4
n-Nitrosodimethylamine
Concen: 3.539 ng
RT: 3.487 min Scan# 68
Delta R.T. 0.018 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

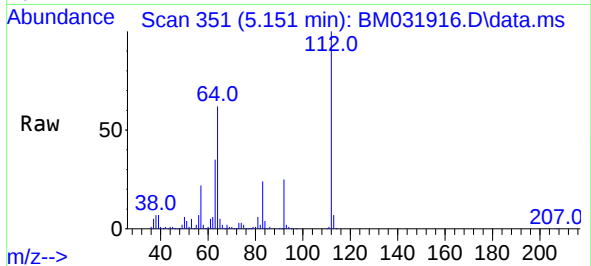
Tgt Ion: 42 Resp: 6587
Ion Ratio Lower Upper
42 100
74 108.3 99.5 149.3
44 18.0 57.3 85.9#





#5
2-Fluorophenol
Concen: 114.131 ng
RT: 5.151 min Scan# 351
Delta R.T. -0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

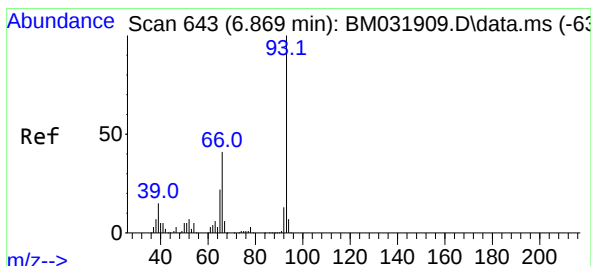
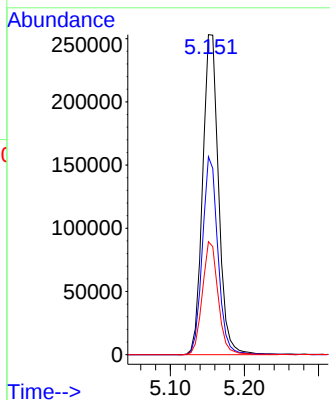
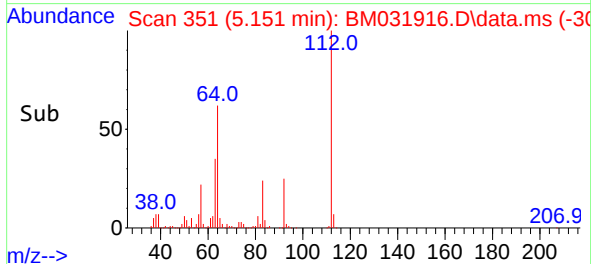
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021



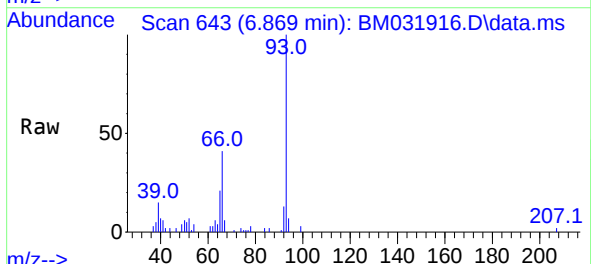
Tgt Ion:112 Resp: 378675
Ion Ratio Lower Upper
112 100
64 61.8 53.7 80.5
63 35.3 33.9 50.9

Manual Integrations
APPROVED

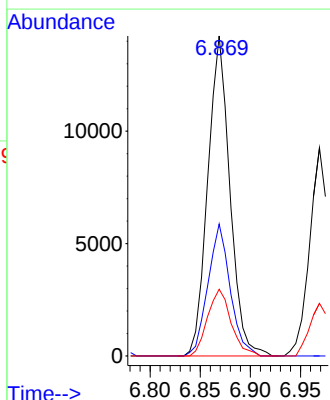
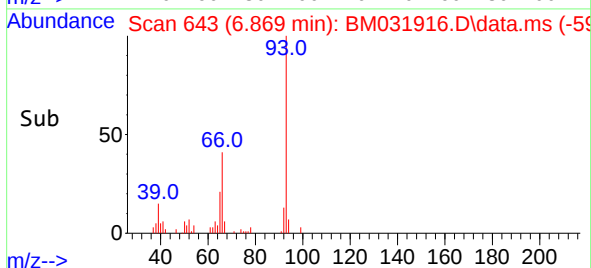
mohammad
8/27/2021 5:07:53 PM

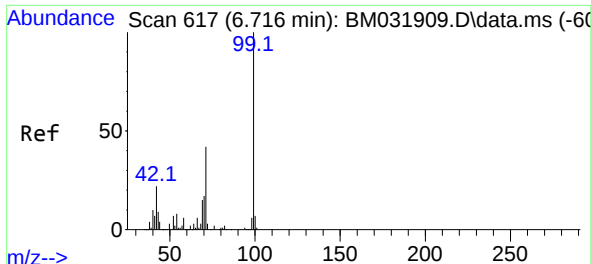


#6
Aniline
Concen: 4.299 ng
RT: 6.869 min Scan# 643
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26



Tgt Ion: 93 Resp: 21859
Ion Ratio Lower Upper
93 100
66 41.3 35.3 52.9
65 20.8 18.7 28.1





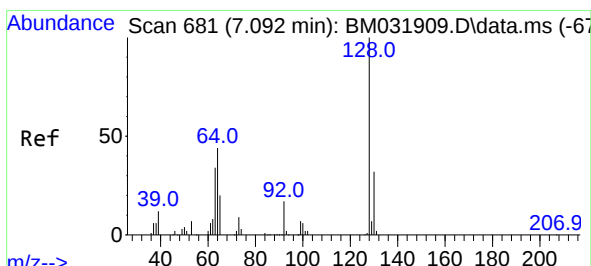
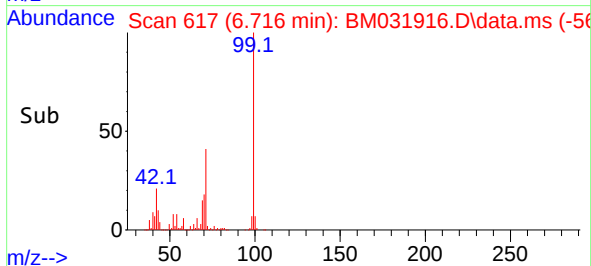
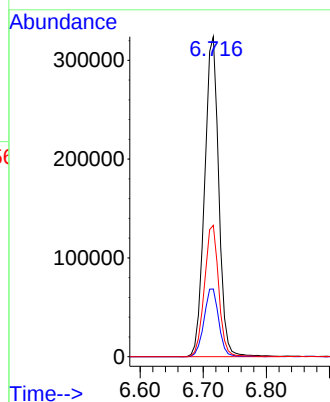
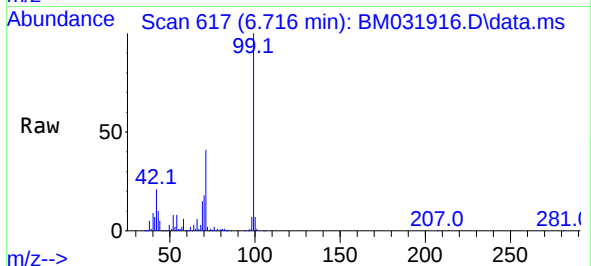
#7
Phenol-d6
Concen: 106.288 ng
RT: 6.716 min Scan# 617
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

Tgt Ion	Ratio	Lower	Upper
99	100		
42	21.2	23.0	34.6#
71	41.1	37.8	56.8

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021

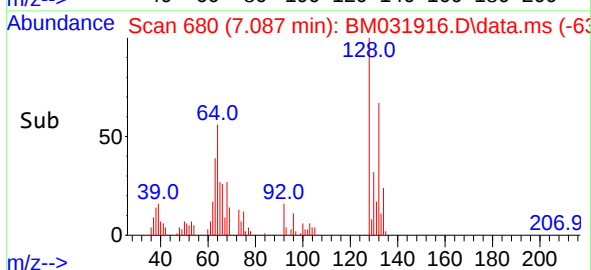
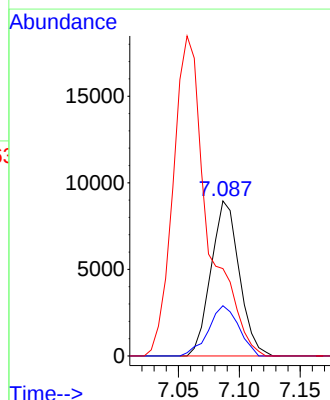
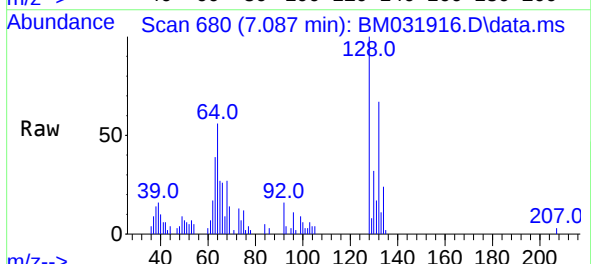
Manual Integrations
APPROVED

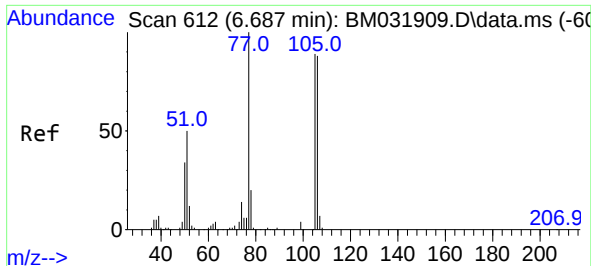
mohammad
8/27/2021 5:07:53 PM



#8
2-Chlorophenol
Concen: 3.762 ng
RT: 7.087 min Scan# 680
Delta R.T. -0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

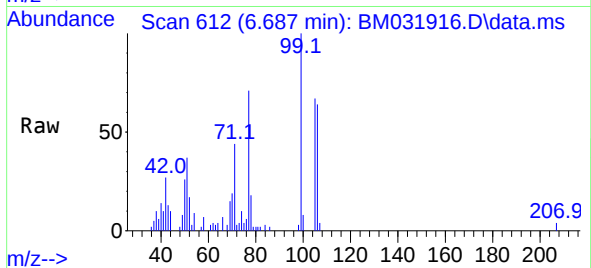
Tgt Ion	Ratio	Lower	Upper
128	100		
130	32.4	13.0	53.0
64	56.4	33.4	73.4





#9
Benzaldehyde
Concen: 4.925 ng m
RT: 6.687 min Scan# 612
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

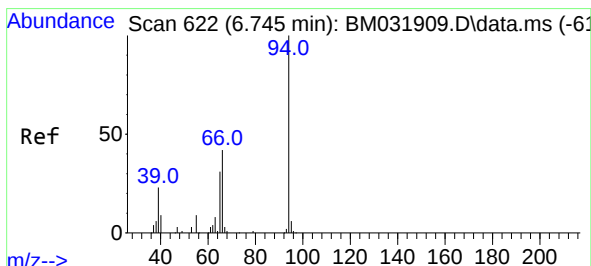
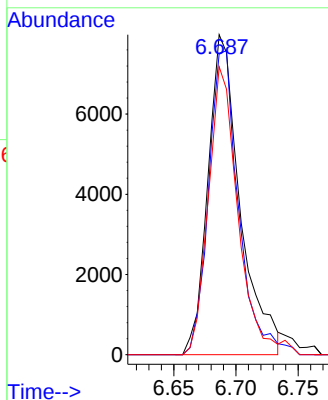
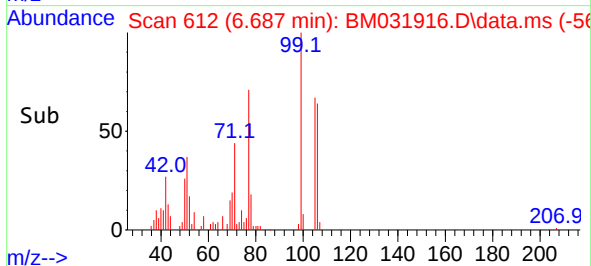
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021



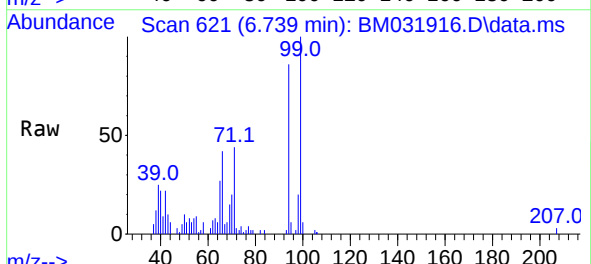
Tgt Ion: 77 Resp: 14371
Ion Ratio Lower Upper
77 100
105 94.1 68.9 108.9
106 90.0 61.2 101.2

Manual Integrations
APPROVED

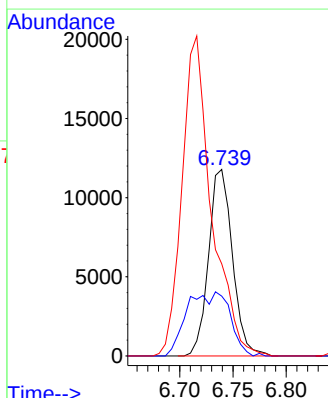
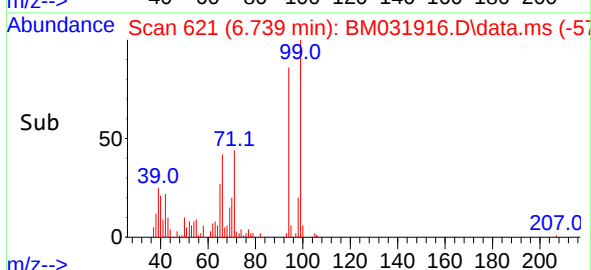
mohammad
8/27/2021 5:07:53 PM

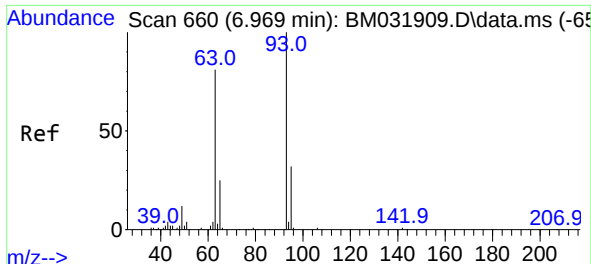


#10
Phenol
Concen: 3.891 ng
RT: 6.739 min Scan# 621
Delta R.T. -0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26



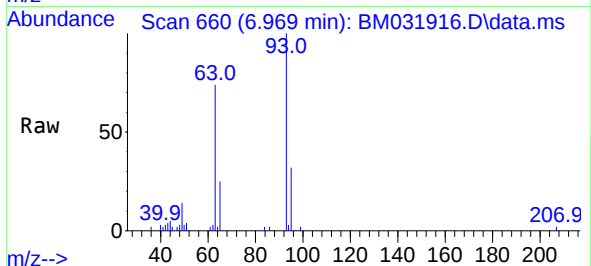
Tgt Ion: 94 Resp: 18364
Ion Ratio Lower Upper
94 100
65 32.1 16.9 56.9
66 49.4 30.0 70.0





#11
bis(2-Chloroethyl)ether
Concen: 3.934 ng
RT: 6.969 min Scan# 660
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

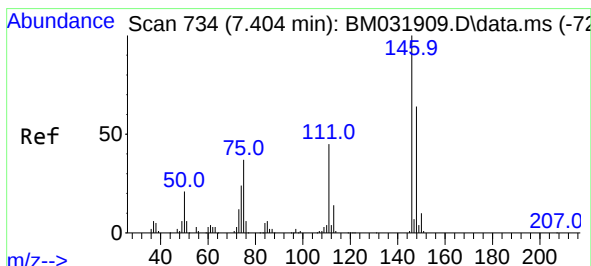
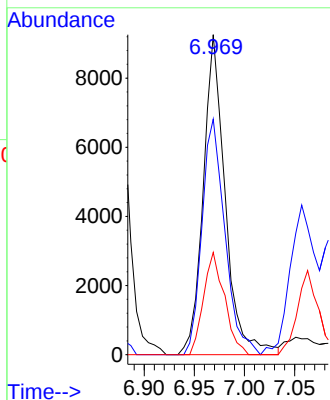
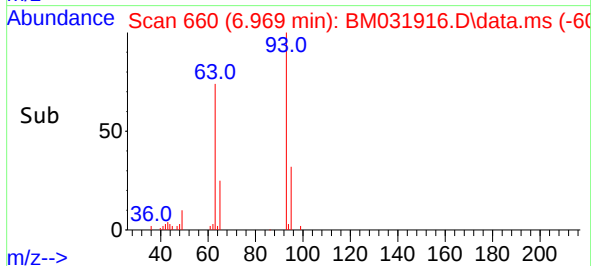
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021



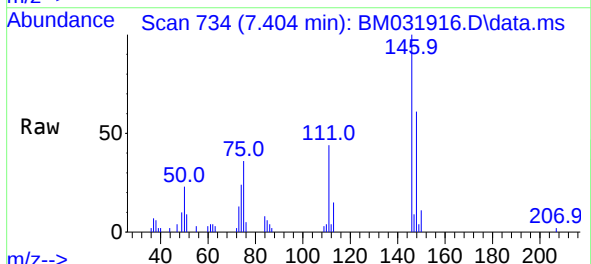
Tgt Ion: 93 Resp: 14172
Ion Ratio Lower Upper
93 100
63 73.6 63.7 103.7
95 32.0 12.4 52.4

Manual Integrations
APPROVED

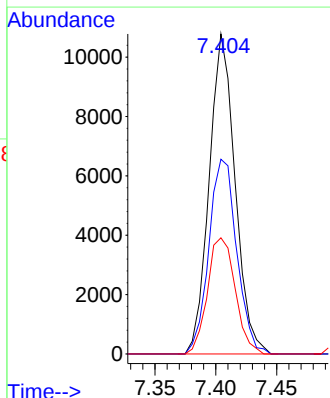
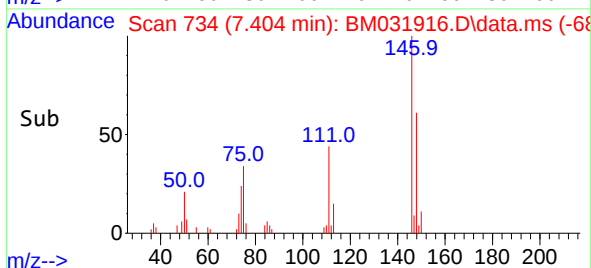
mohammad
8/27/2021 5:07:53 PM

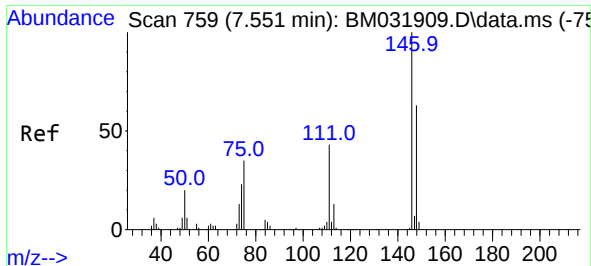


#12
1,3-Dichlorobenzene
Concen: 3.922 ng
RT: 7.404 min Scan# 734
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26



Tgt Ion: 146 Resp: 15987
Ion Ratio Lower Upper
146 100
148 60.9 52.3 78.5
75 36.3 34.2 51.2





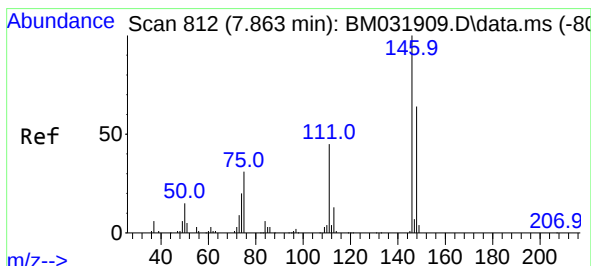
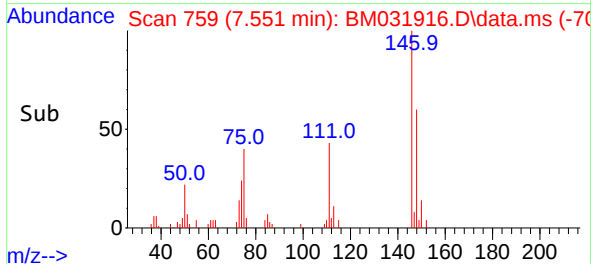
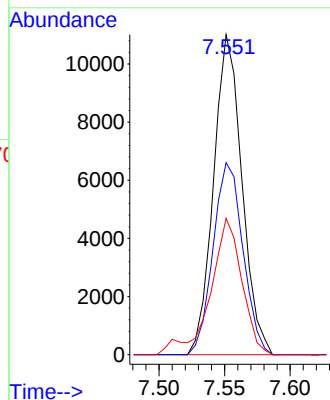
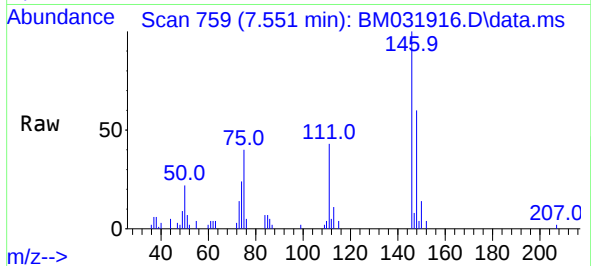
#13
1,4-Dichlorobenzene
Concen: 3.961 ng
RT: 7.551 min Scan# 759
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

Tgt Ion:	146	Resp:	16568
Ion Ratio	Lower	Upper	
146	100		
148	60.0	51.1	76.7
111	42.6	35.3	52.9

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021

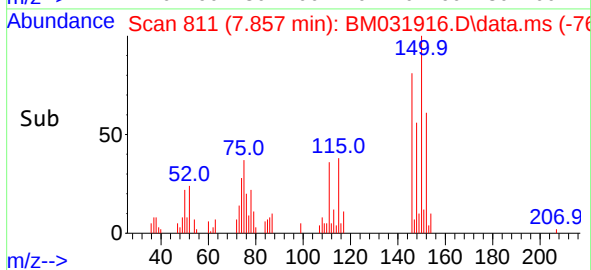
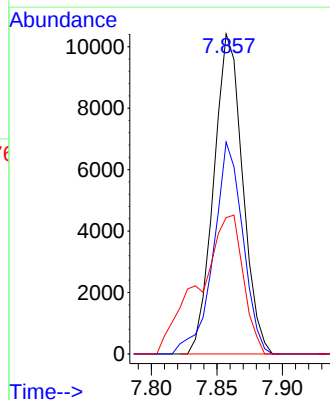
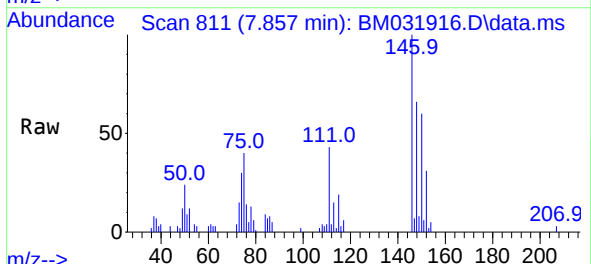
Manual Integrations
APPROVED

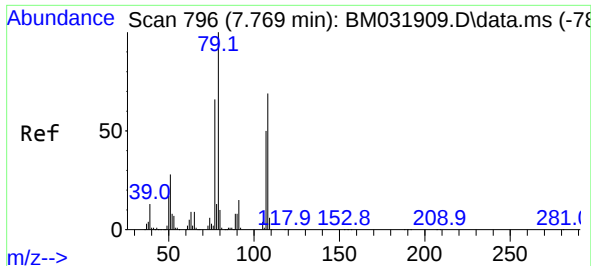
mohammad
8/27/2021 5:07:53 PM



#14
1,2-Dichlorobenzene
Concen: 3.939 ng
RT: 7.857 min Scan# 811
Delta R.T. -0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

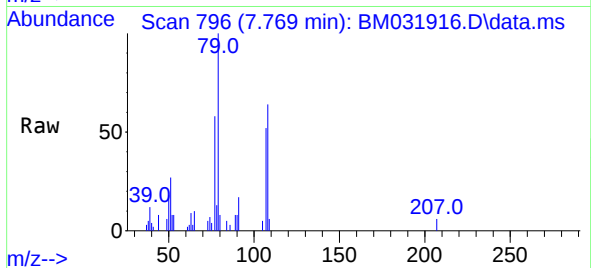
Tgt Ion:	146	Resp:	15939
Ion Ratio	Lower	Upper	
146	100		
148	66.2	51.7	77.5
111	42.6	38.2	57.2





#15
Benzyl Alcohol
Concen: 3.363 ng
RT: 7.769 min Scan# 796
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021

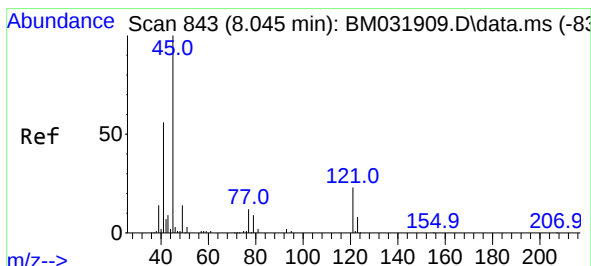
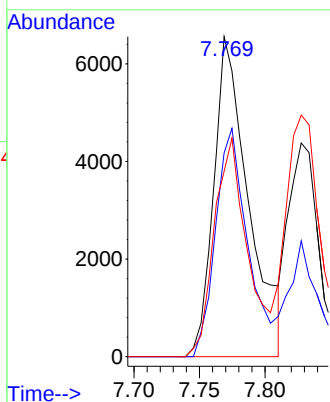


Tgt Ion: 79 Resp: 12065

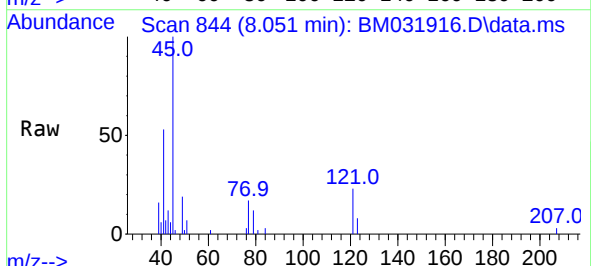
Ion	Ratio	Lower	Upper
79	100		
108	63.7	53.6	80.4
77	57.9	57.7	86.5

Manual Integrations
APPROVED

mohammad
8/27/2021 5:07:53 PM

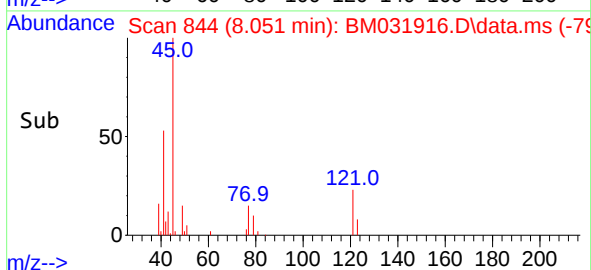
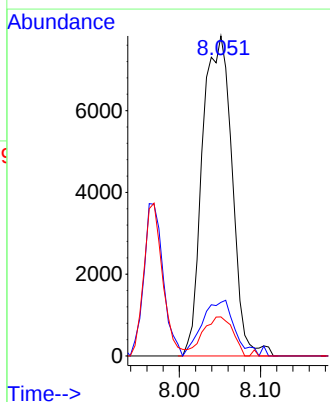


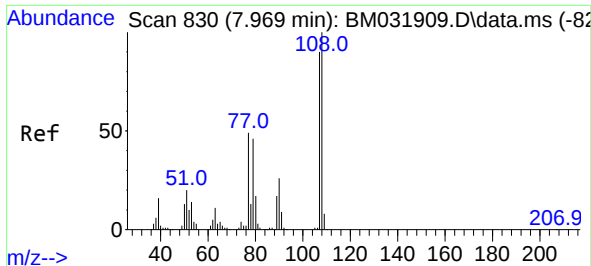
#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.008 ng
RT: 8.051 min Scan# 844
Delta R.T. 0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26



Tgt Ion: 45 Resp: 19825

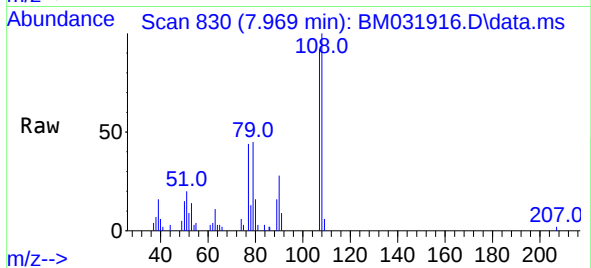
Ion	Ratio	Lower	Upper
45	100		
77	16.8	0.0	36.1
79	12.2	0.0	30.5





#17
2-Methylphenol
Concen: 3.648 ng
RT: 7.969 min Scan# 830
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

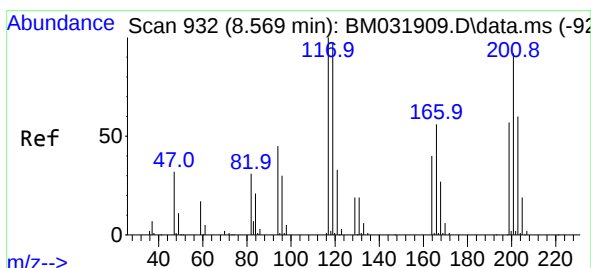
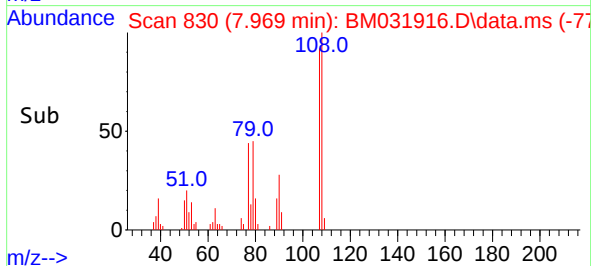
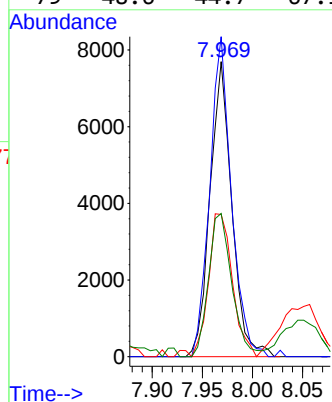
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021



Tgt Ion	Ratio	Lower	Upper
107	100		
108	108.5	87.9	131.9
77	48.2	48.2	72.2
79	48.6	44.7	67.1

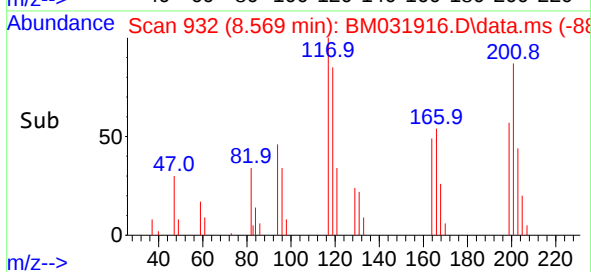
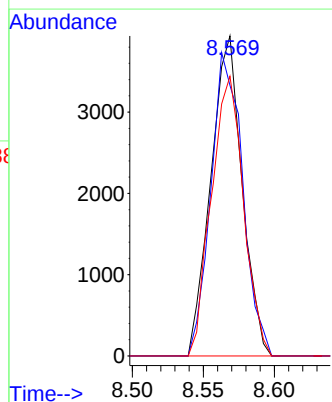
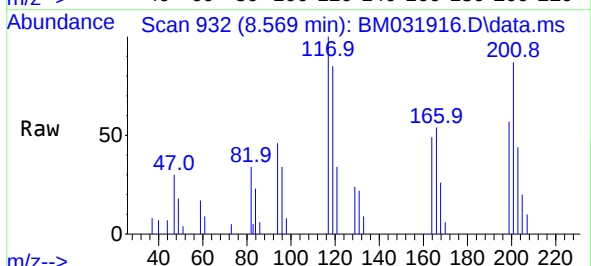
Manual Integrations
APPROVED

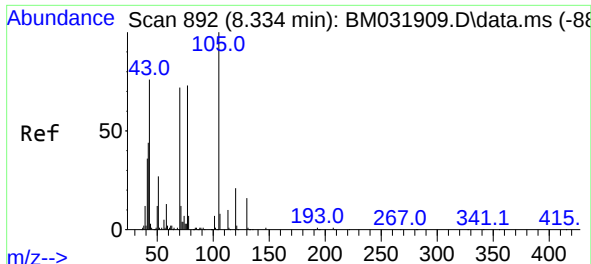
mohammad
8/27/2021 5:07:53 PM



#18
Hexachloroethane
Concen: 3.692 ng
RT: 8.569 min Scan# 932
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

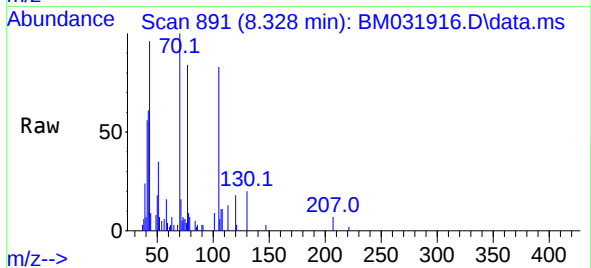
Tgt Ion	Ratio	Lower	Upper
117	100		
119	84.5	77.7	116.5
201	87.4	70.2	105.2





#19
n-Nitroso-di-n-propylamine
Concen: 3.224 ng
RT: 8.328 min Scan# 891
Delta R.T. -0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021

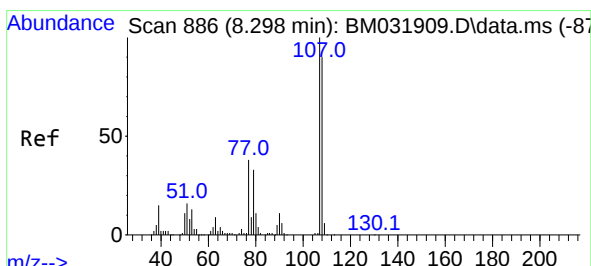
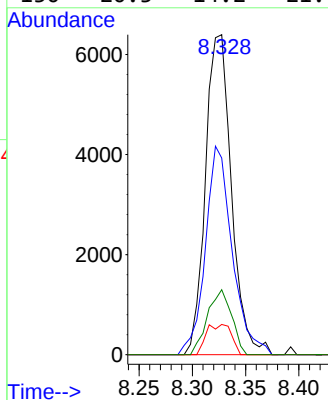
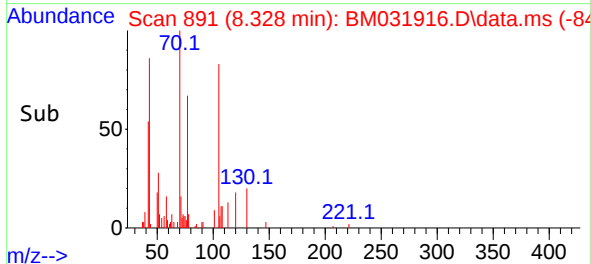


Tgt Ion: 70 Resp: 10870

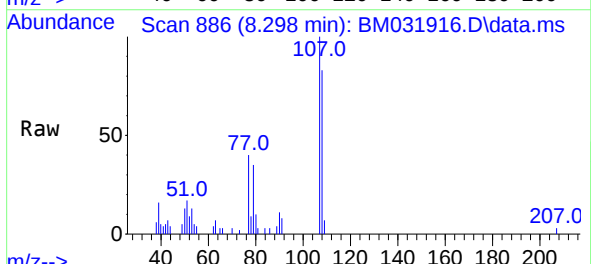
Ion	Ratio	Lower	Upper
70	100		
42	61.4	56.3	84.5
101	9.5	7.8	11.6
130	20.3	14.2	21.4

Manual Integrations
APPROVED

mohammad
8/27/2021 5:07:53 PM

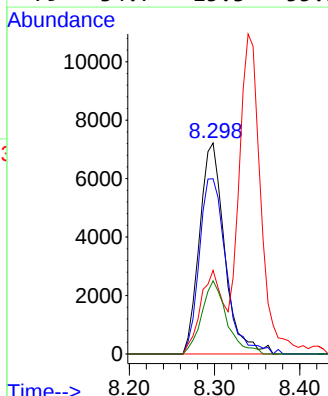
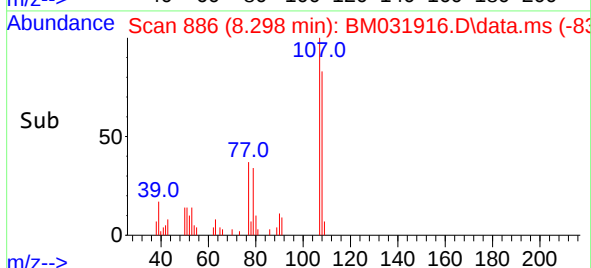


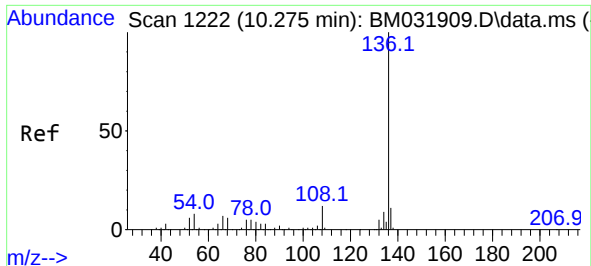
#20
3+4-Methylphenols
Concen: 3.341 ng
RT: 8.298 min Scan# 886
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26



Tgt Ion: 107 Resp: 14746

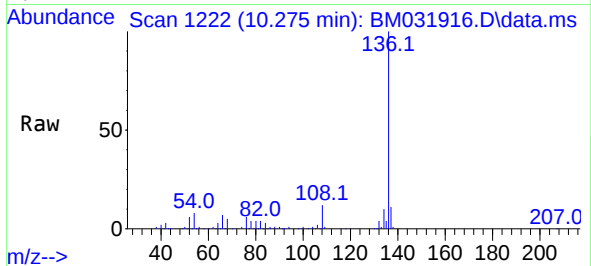
Ion	Ratio	Lower	Upper
107	100		
108	83.1	67.6	107.6
77	39.6	21.9	61.9
79	34.7	15.3	55.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.275 min Scan# 1222
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

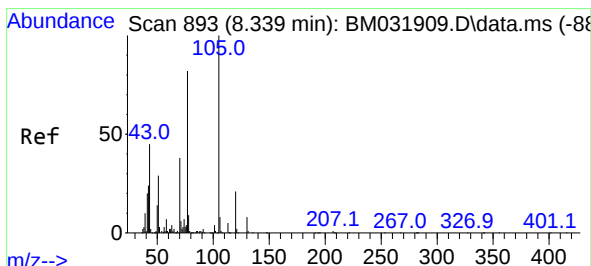
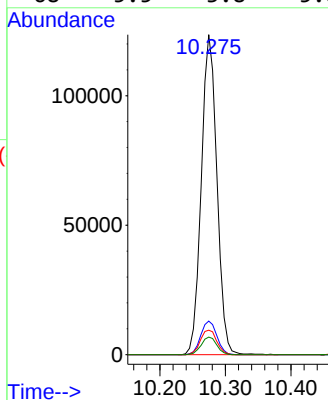
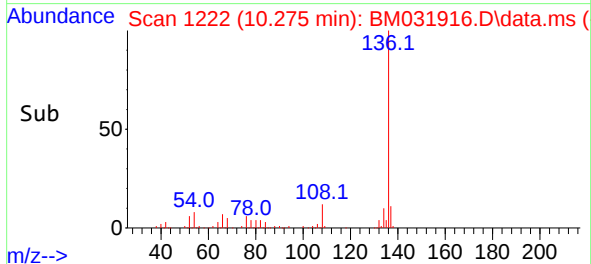
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021



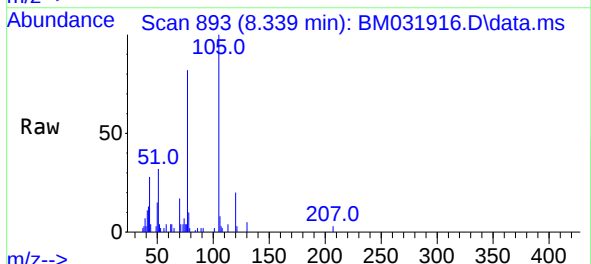
Tgt Ion:136 Resp: 204917
Ion Ratio Lower Upper
136 100
137 10.5 8.7 13.1
54 7.6 7.4 11.0
68 5.5 3.8 5.8

Manual Integrations
APPROVED

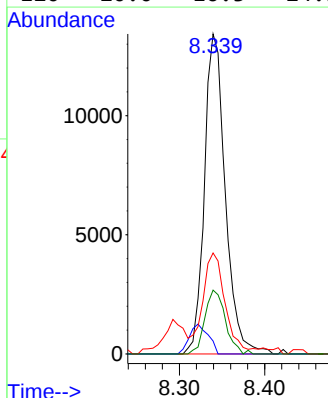
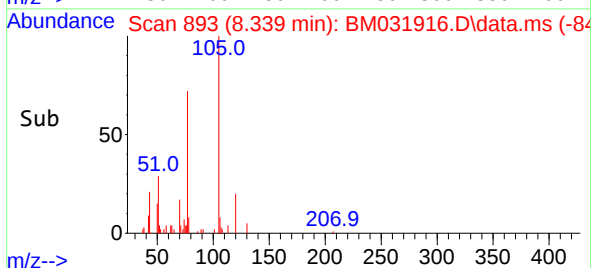
mohammad
8/27/2021 5:07:53 PM

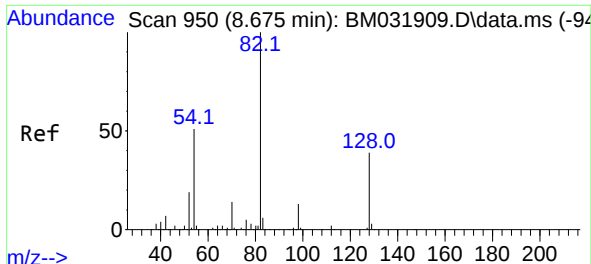


#22
Acetophenone
Concen: 4.104 ng
RT: 8.339 min Scan# 893
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

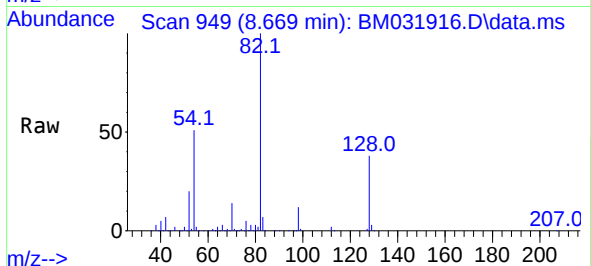


Tgt Ion:105 Resp: 22850
Ion Ratio Lower Upper
105 100
71 4.1 3.8 5.6
51 31.6 29.5 44.3
120 20.0 16.3 24.5

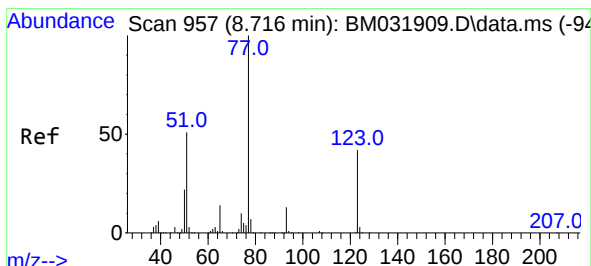
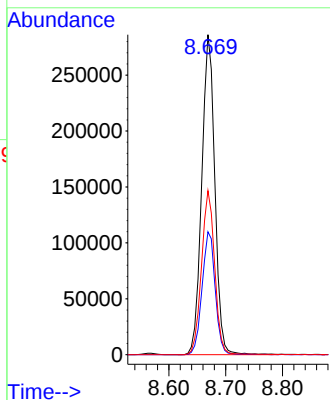
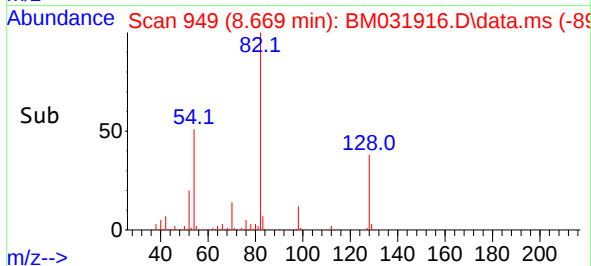




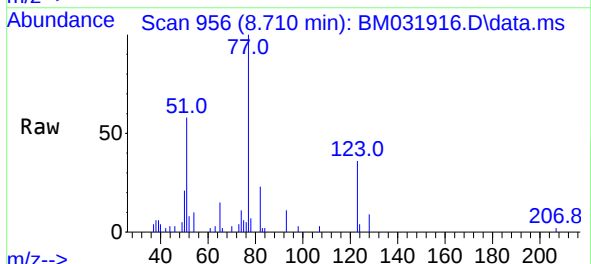
#23
Nitrobenzene-d5
Concen: 101.120 ng
RT: 8.669 min Scan# 949
Delta R.T. -0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26



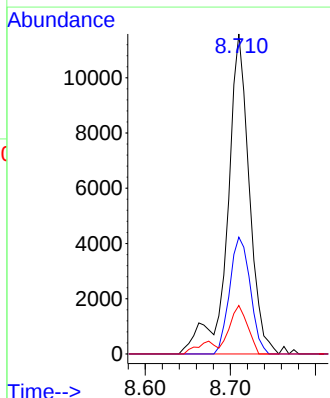
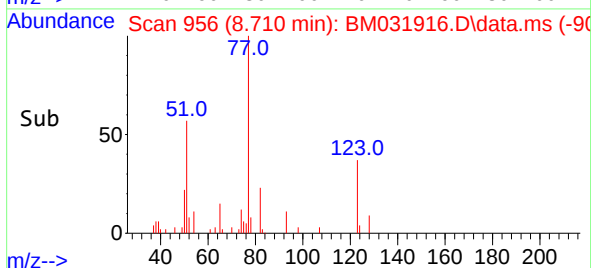
Tgt Ion: 82 Resp: 458088
Ion Ratio Lower Upper
82 100
128 38.4 29.0 43.6
54 51.2 45.8 68.8



#24
Nitrobenzene
Concen: 4.476 ng m
RT: 8.710 min Scan# 956
Delta R.T. -0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26



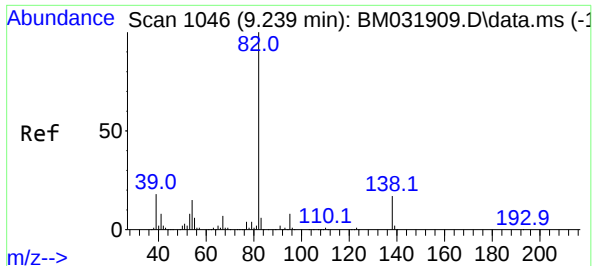
Tgt Ion: 77 Resp: 20613
Ion Ratio Lower Upper
77 100
123 36.5 30.1 45.1
65 15.1 11.7 17.5



Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021

Manual Integrations
APPROVED

mohammad
8/27/2021 5:07:53 PM



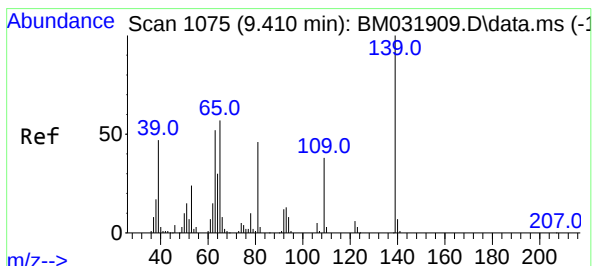
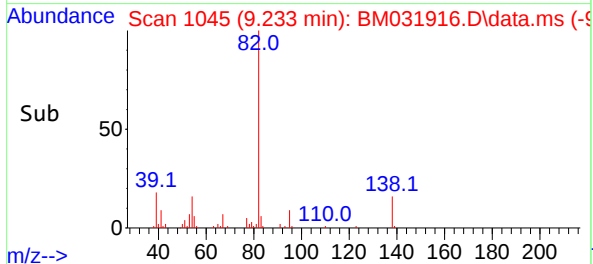
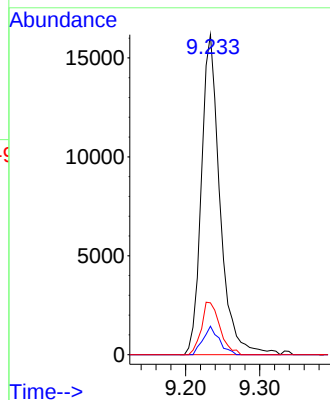
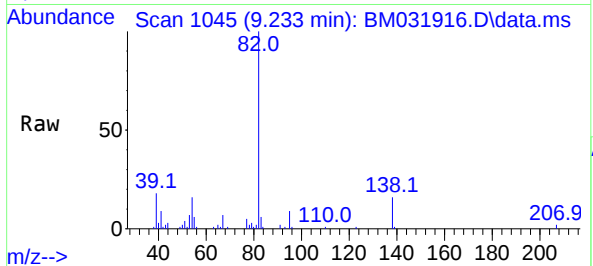
#25
Isophorone
Concen: 3.538 ng
RT: 9.233 min Scan# 1045
Delta R.T. -0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

Tgt Ion: 82 Resp: 28202
Ion Ratio Lower Upper
82 100
95 8.9 6.4 9.6
138 16.2 12.4 18.6

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021

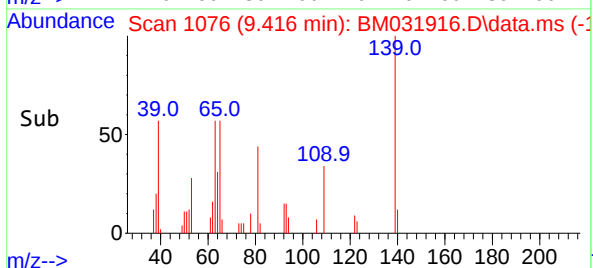
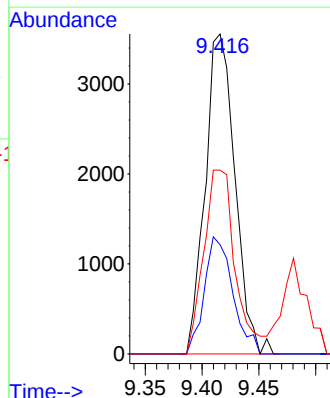
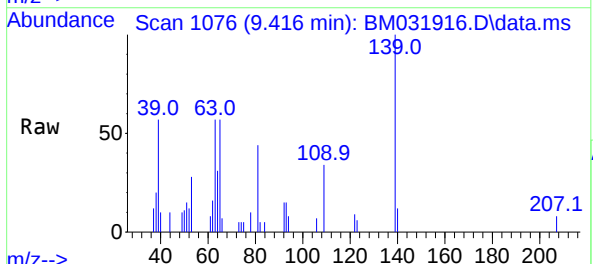
Manual Integrations
APPROVED

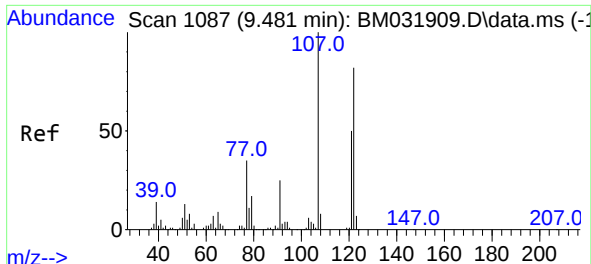
mohammad
8/27/2021 5:07:53 PM



#26
2-Nitrophenol
Concen: 3.399 ng
RT: 9.416 min Scan# 1076
Delta R.T. 0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

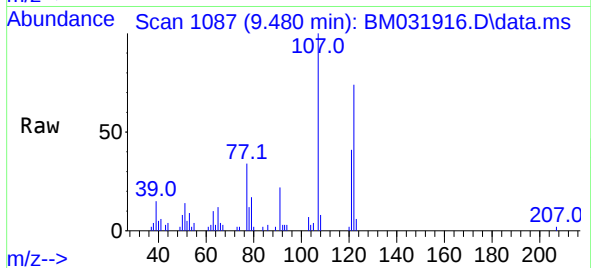
Tgt Ion: 139 Resp: 6478
Ion Ratio Lower Upper
139 100
109 34.1 34.8 52.2#
65 57.5 59.9 89.9#





#27
2,4-Dimethylphenol
Concen: 4.020 ng
RT: 9.480 min Scan# 1087
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

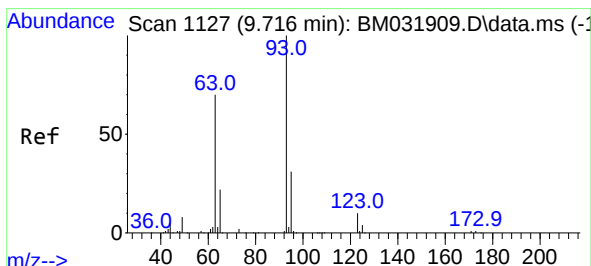
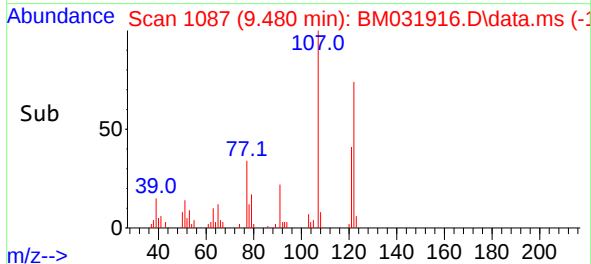
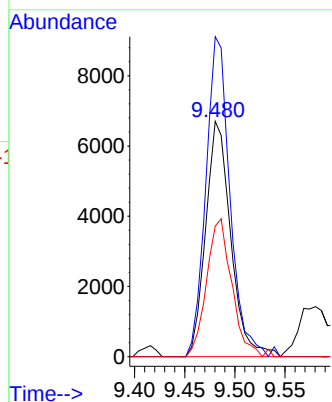
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021



Tgt Ion:122 Resp: 11699
Ion Ratio Lower Upper
122 100
107 136.0 100.6 150.8
121 55.5 47.3 70.9

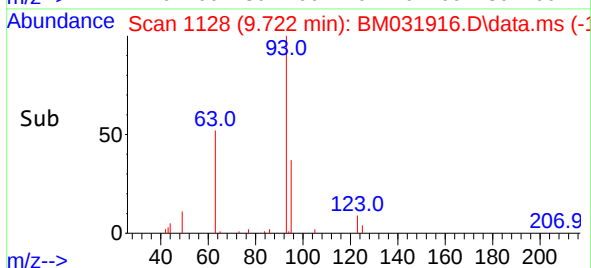
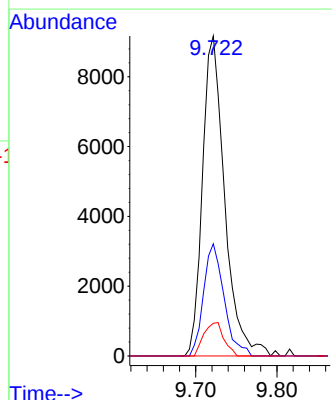
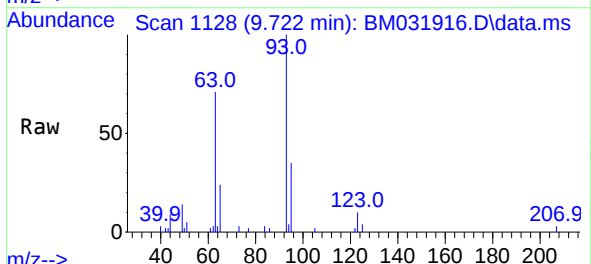
Manual Integrations
APPROVED

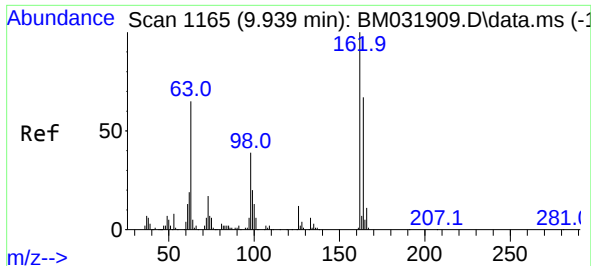
mohammad
8/27/2021 5:07:53 PM



#28
bis(2-Chloroethoxy)methane
Concen: 4.162 ng
RT: 9.722 min Scan# 1128
Delta R.T. 0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

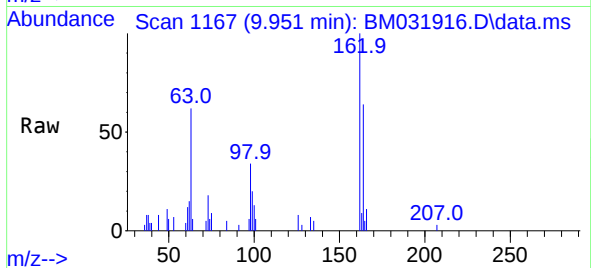
Tgt Ion: 93 Resp: 17447
Ion Ratio Lower Upper
93 100
95 35.1 25.8 38.8
123 10.2 8.8 13.2





#29
2,4-Dichlorophenol
Concen: 3.441 ng
RT: 9.951 min Scan# 1167
Delta R.T. 0.012 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

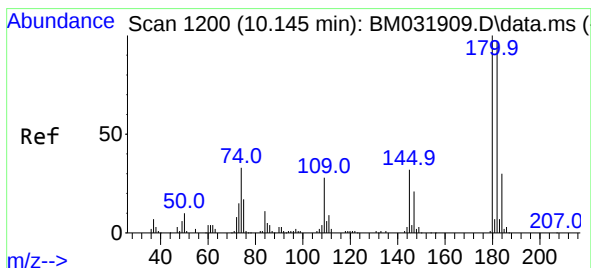
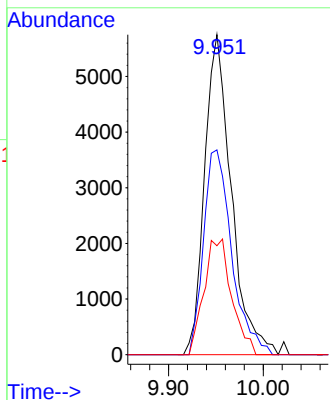
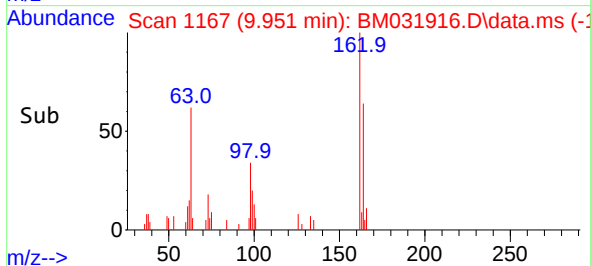
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021



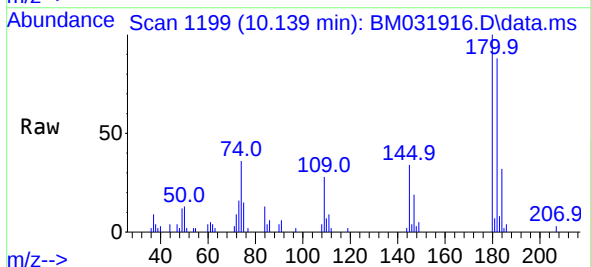
Tgt Ion:162 Resp: 11238
Ion Ratio Lower Upper
162 100
164 64.0 47.4 87.4
98 34.0 18.9 58.9

Manual Integrations
APPROVED

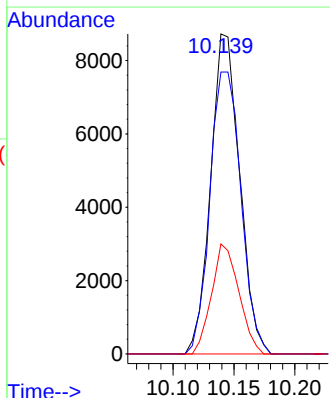
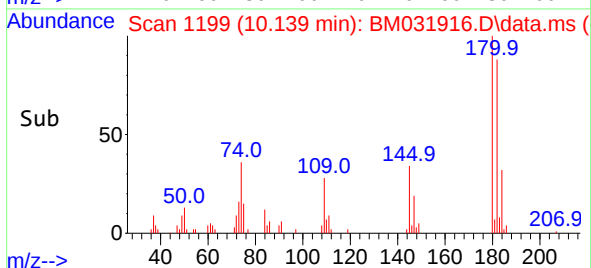
mohammad
8/27/2021 5:07:53 PM

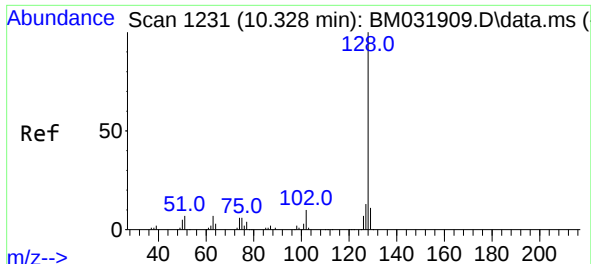


#30
1,2,4-Trichlorobenzene
Concen: 4.062 ng
RT: 10.139 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26



Tgt Ion:180 Resp: 14481
Ion Ratio Lower Upper
180 100
182 88.1 75.5 113.3
145 34.4 26.2 39.2





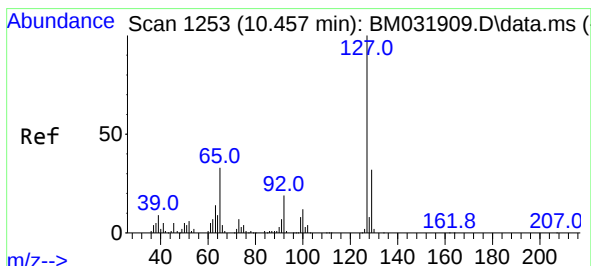
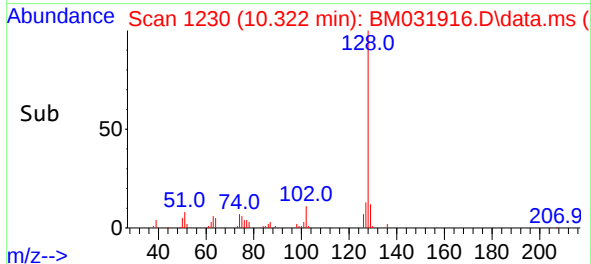
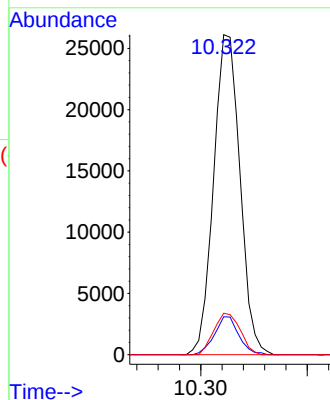
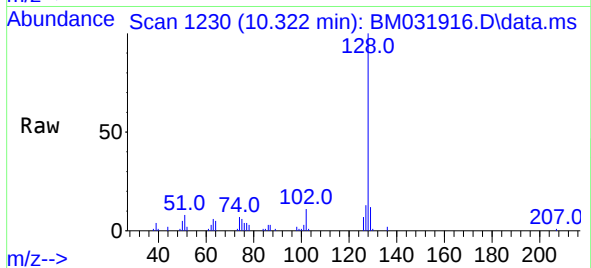
#31
Naphthalene
Concen: 3.947 ng
RT: 10.322 min Scan# 1230
Delta R.T. -0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

Tgt Ion:	128	Resp:	44780
Ion	Ratio	Lower	Upper
128	100		
129	11.8	8.6	13.0
127	13.0	10.4	15.6

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021

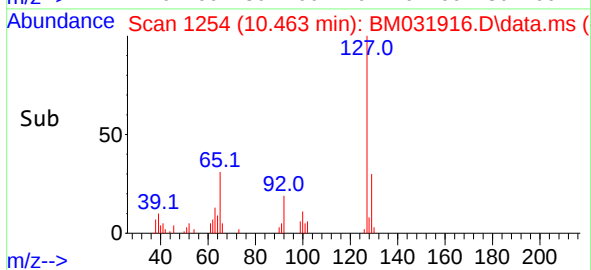
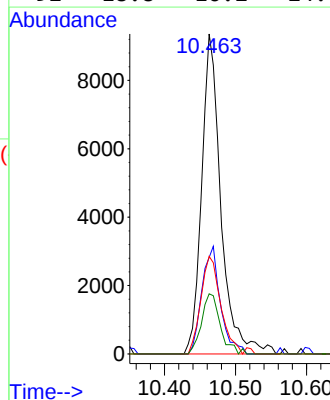
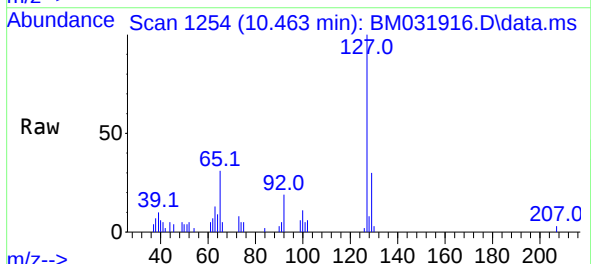
Manual Integrations
APPROVED

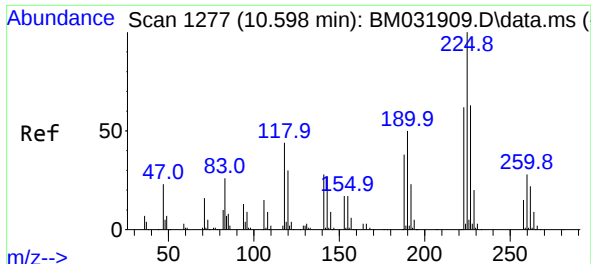
mohammad
8/27/2021 5:07:53 PM



#33
4-Chloroaniline
Concen: 3.834 ng
RT: 10.463 min Scan# 1254
Delta R.T. 0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

Tgt Ion:	127	Resp:	17694
Ion	Ratio	Lower	Upper
127	100		
129	30.1	25.6	38.4
65	30.5	30.4	45.6
92	18.8	16.2	24.4





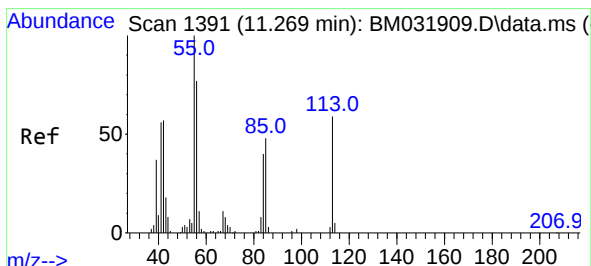
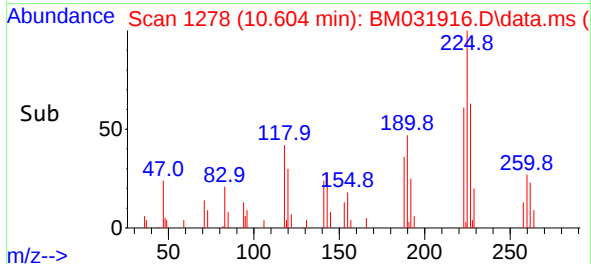
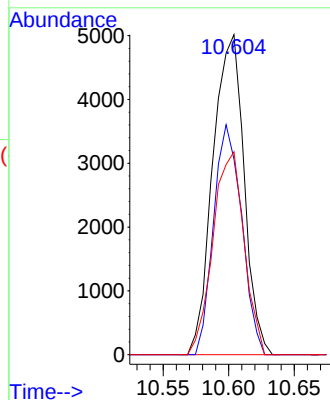
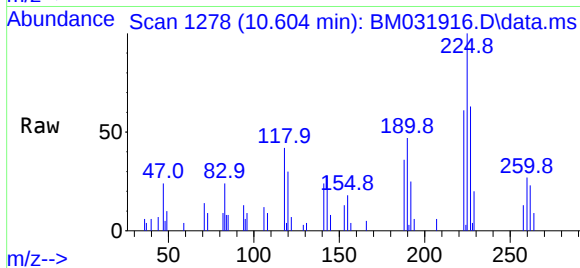
#34
Hexachlorobutadiene
Concen: 3.840 ng
RT: 10.604 min Scan# 1278
Delta R.T. 0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

Tgt Ion	Ratio	Lower	Upper
225	100		
223	61.2	52.6	78.8
227	63.4	51.2	76.8

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021

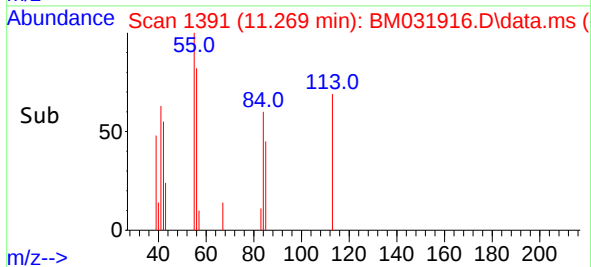
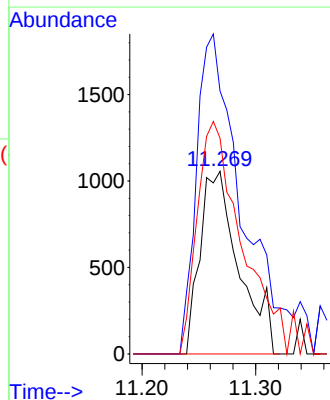
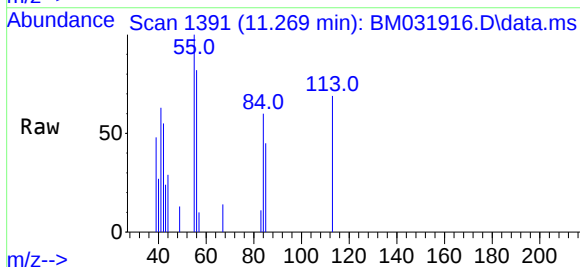
Manual Integrations
APPROVED

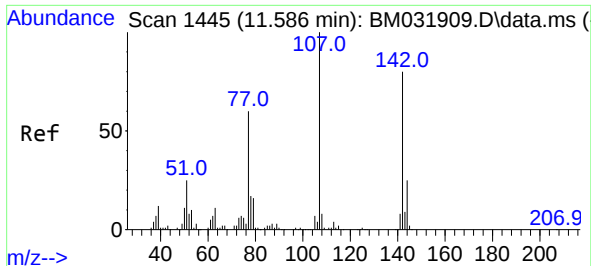
mohammad
8/27/2021 5:07:53 PM



#35
Caprolactam
Concen: 2.454 ng
RT: 11.269 min Scan# 1391
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

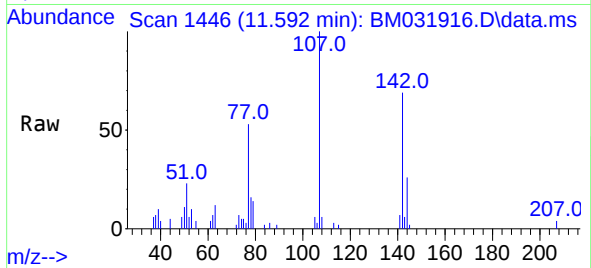
Tgt Ion	Ratio	Lower	Upper
113	100		
55	144.0	170.5	210.5#
56	118.2	125.2	165.2#





#36
4-Chloro-3-methylphenol
Concen: 3.407 ng
RT: 11.592 min Scan# 1446
Delta R.T. 0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

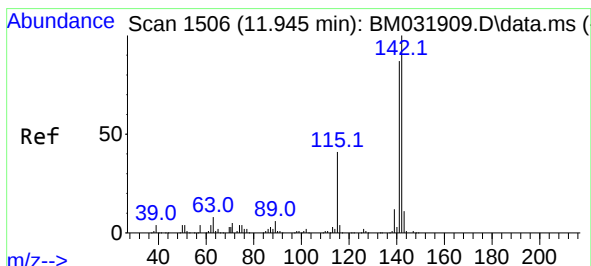
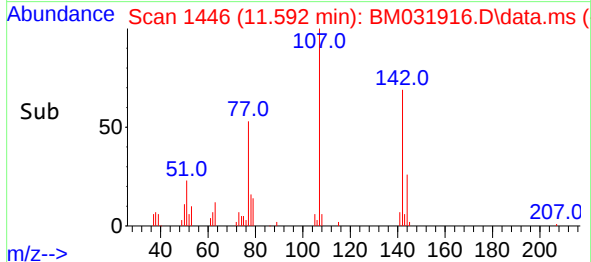
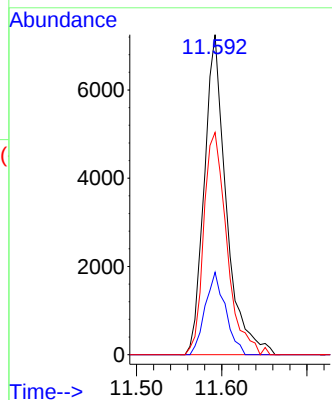
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021



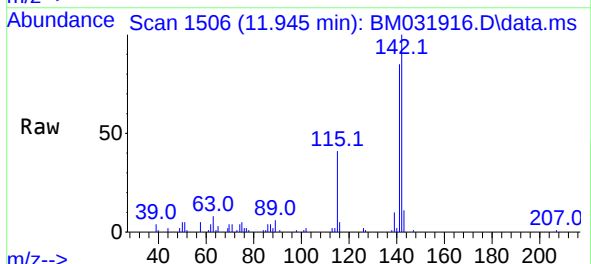
Tgt Ion:107 Resp: 13023
Ion Ratio Lower Upper
107 100
144 25.8 19.3 28.9
142 69.5 60.5 90.7

Manual Integrations
APPROVED

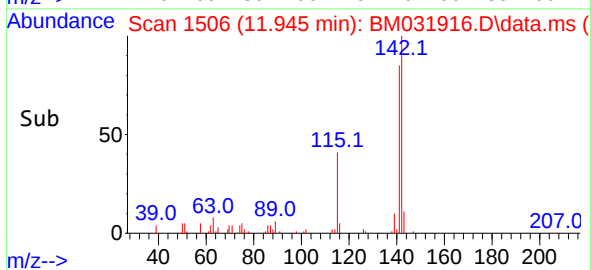
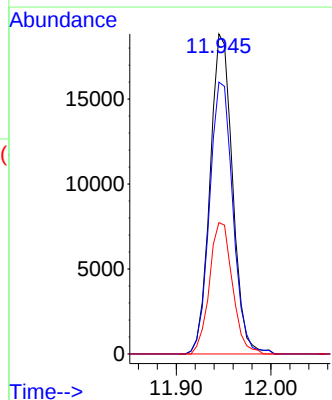
mohammad
8/27/2021 5:07:53 PM

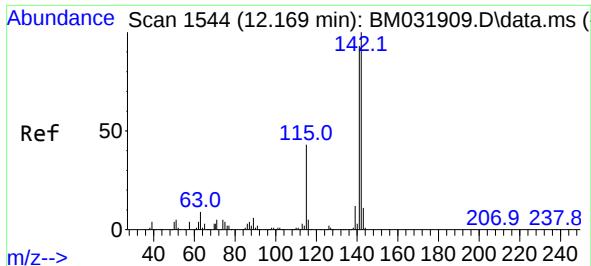


#37
2-Methylnaphthalene
Concen: 3.780 ng
RT: 11.945 min Scan# 1506
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26



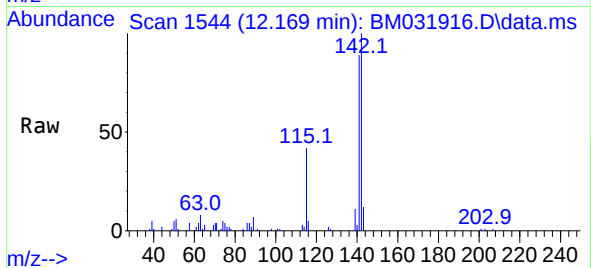
Tgt Ion:142 Resp: 31092
Ion Ratio Lower Upper
142 100
141 84.9 71.8 107.6
115 41.1 36.3 54.5





#38
1-Methylnaphthalene
Concen: 3.681 ng
RT: 12.169 min Scan# 1544
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

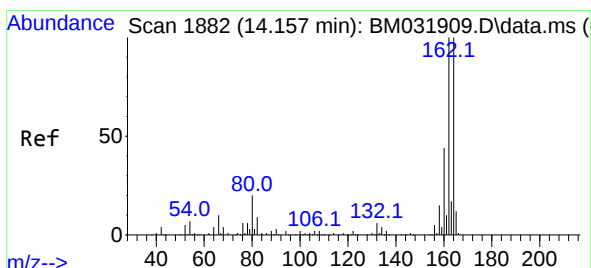
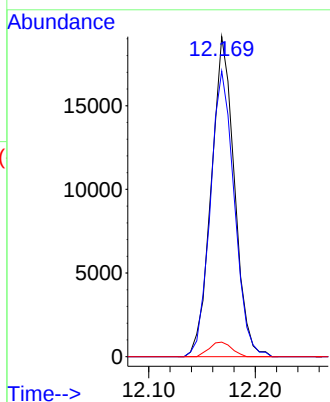
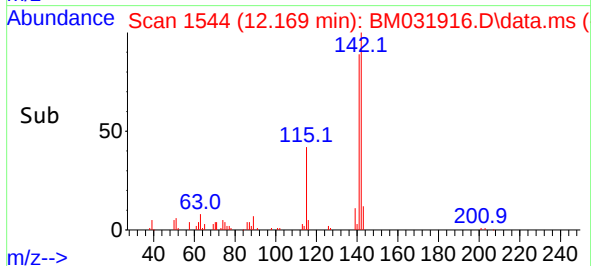
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021



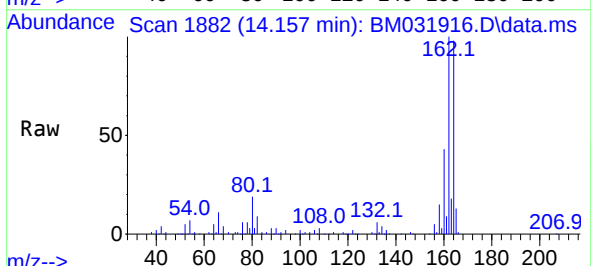
Tgt Ion:142 Resp: 28895
Ion Ratio Lower Upper
142 100
141 89.3 75.6 113.4
116 4.5 4.0 6.0

Manual Integrations
APPROVED

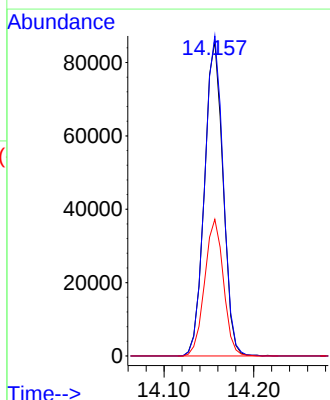
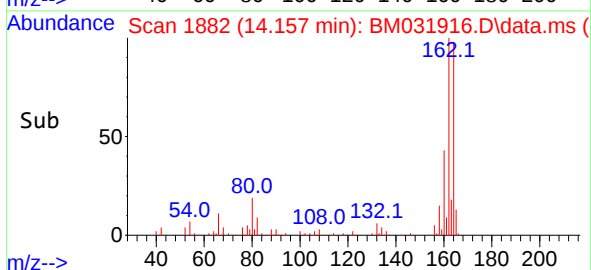
mohammad
8/27/2021 5:07:53 PM

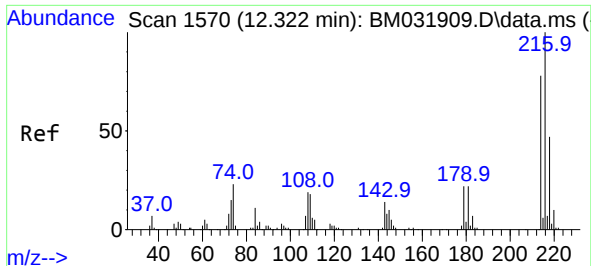


#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.157 min Scan# 1882
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26



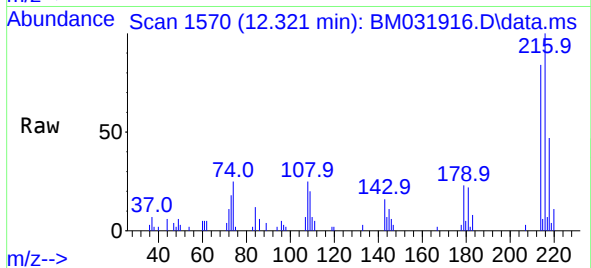
Tgt Ion:164 Resp: 123061
Ion Ratio Lower Upper
164 100
162 101.7 80.6 121.0
160 43.4 35.1 52.7





#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.130 ng
RT: 12.321 min Scan# 1570
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

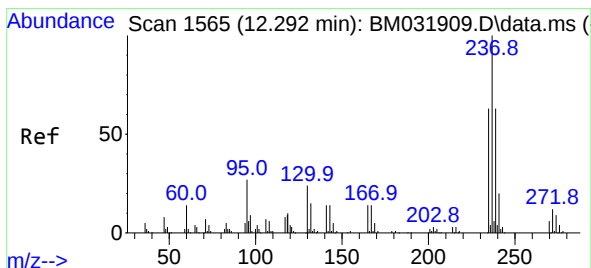
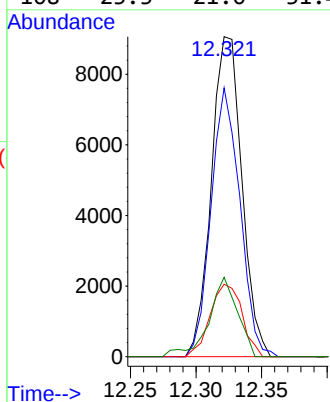
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021



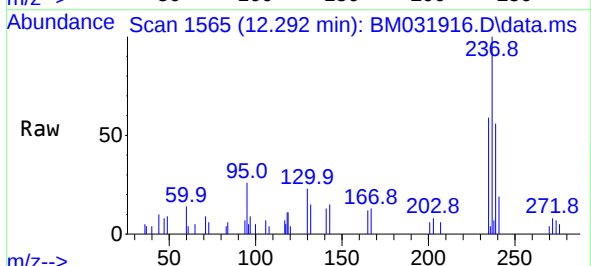
Tgt Ion:	216	Resp:	14672
Ion Ratio	Lower	Upper	
216	100		
214	79.5	62.5	93.7
179	23.7	18.7	28.1
108	23.3	21.0	31.4

Manual Integrations
APPROVED

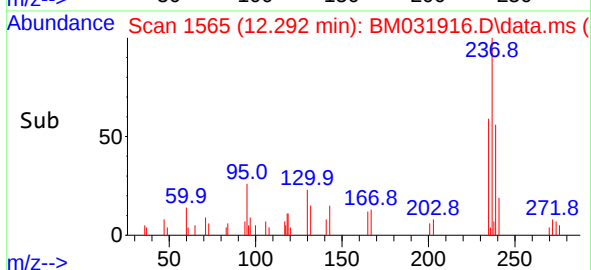
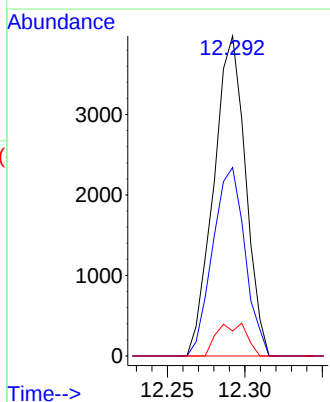
mohammad
8/27/2021 5:07:53 PM

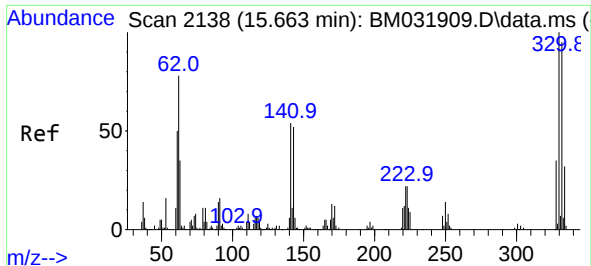


#41
Hexachlorocyclopentadiene
Concen: 3.450 ng
RT: 12.292 min Scan# 1565
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26



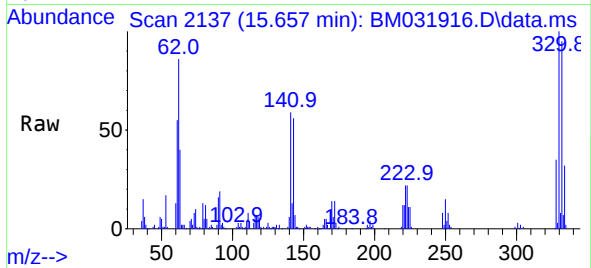
Tgt Ion:	237	Resp:	5679
Ion Ratio	Lower	Upper	
237	100		
235	58.9	44.4	84.4
272	7.8	0.0	31.4





#42
2,4,6-Tribromophenol
Concen: 110.875 ng
RT: 15.657 min Scan# 2137
Delta R.T. -0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

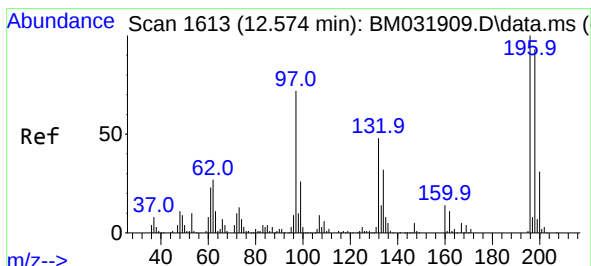
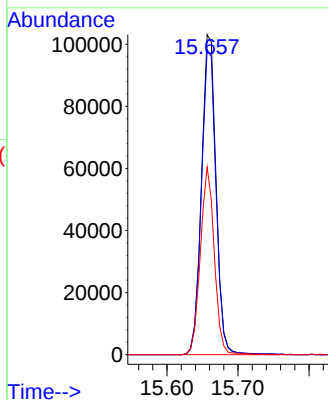
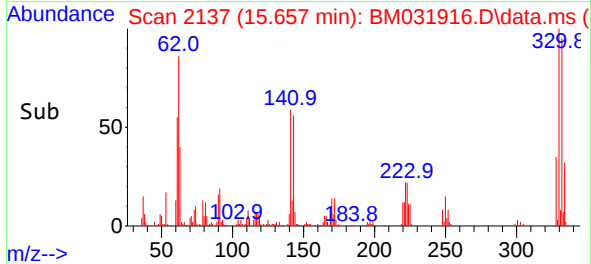
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021



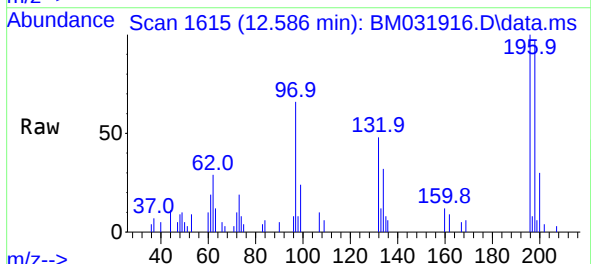
Tgt Ion:330 Resp: 147288
Ion Ratio Lower Upper
330 100
332 95.7 75.7 113.5
141 56.0 50.7 76.1

Manual Integrations
APPROVED

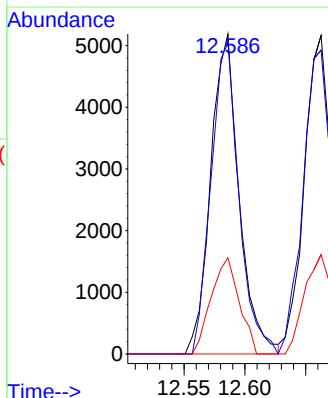
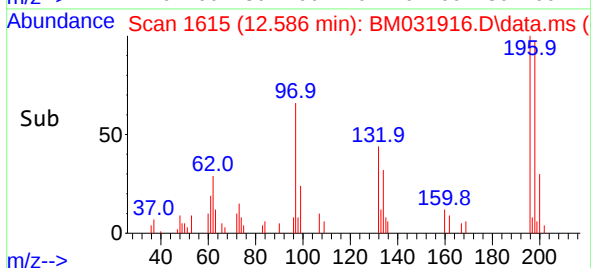
mohammad
8/27/2021 5:07:53 PM

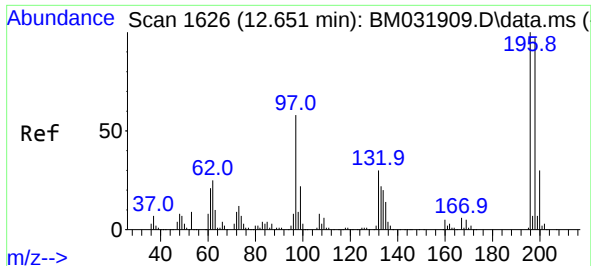


#43
2,4,6-Trichlorophenol
Concen: 3.328 ng
RT: 12.586 min Scan# 1615
Delta R.T. 0.012 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

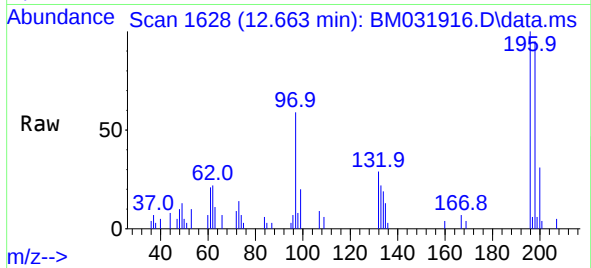


Tgt Ion:196 Resp: 8409
Ion Ratio Lower Upper
196 100
198 97.3 73.6 110.4
200 30.1 22.1 33.1

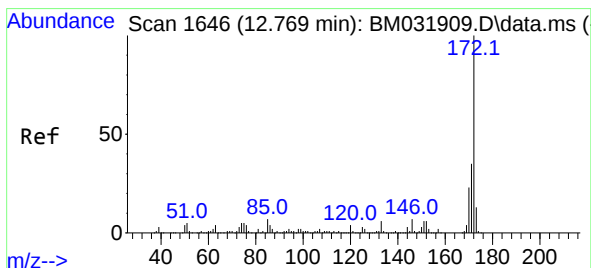
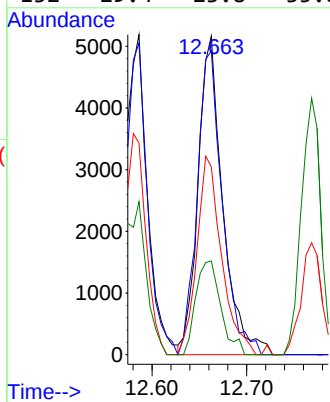
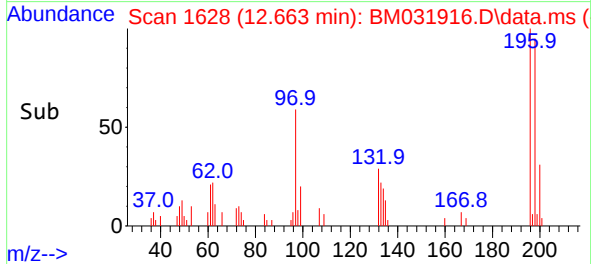




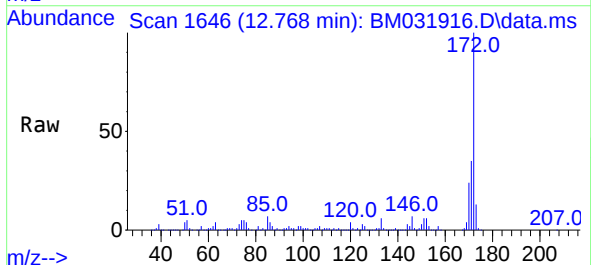
#44
2,4,5-Trichlorophenol
Concen: 3.412 ng
RT: 12.663 min Scan# 1628
Delta R.T. 0.012 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26



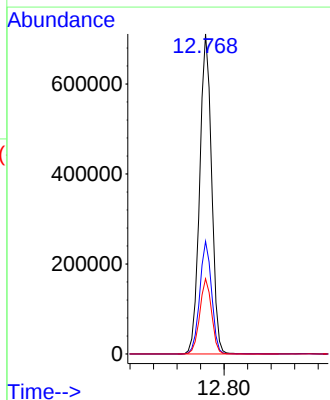
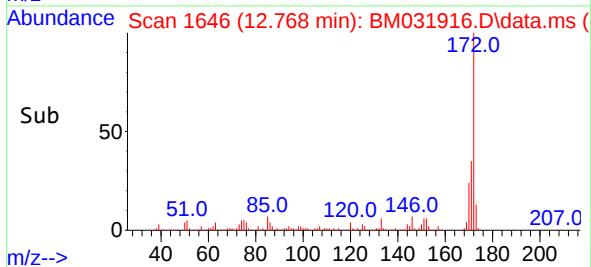
Tgt Ion:	196	Resp:	9366
Ion	Ratio	Lower	Upper
196	100		
198	95.3	77.0	115.4
97	58.9	53.9	80.9
132	29.4	23.8	35.8



#45
2-Fluorobiphenyl
Concen: 109.791 ng
RT: 12.768 min Scan# 1646
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26



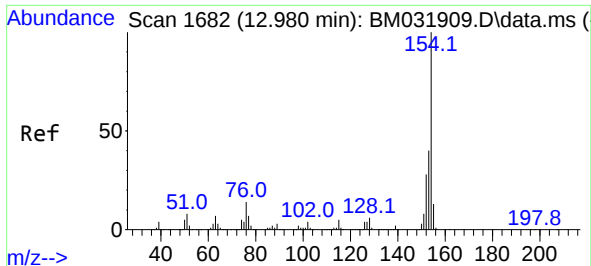
Tgt Ion:	172	Resp:	999029
Ion	Ratio	Lower	Upper
172	100		
171	35.2	28.1	42.1
170	23.5	18.6	27.8



Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021

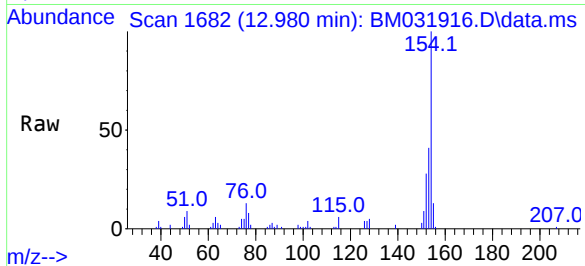
Manual Integrations
APPROVED

mohammad
8/27/2021 5:07:53 PM



#46
1,1'-Biphenyl
Concen: 4.167 ng
RT: 12.980 min Scan# 1682
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

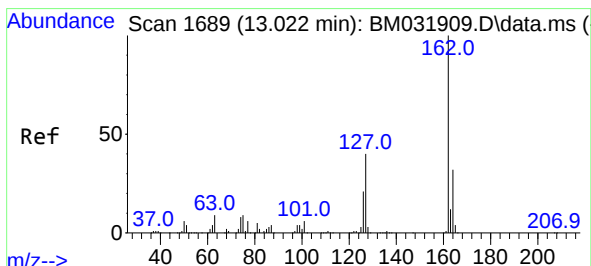
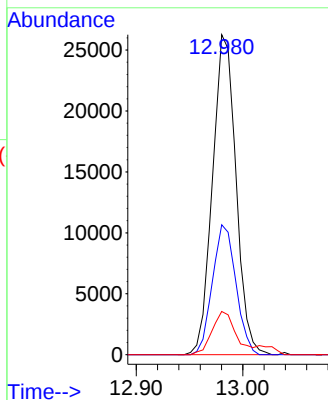
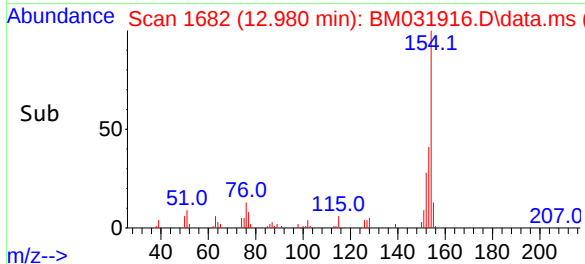
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021



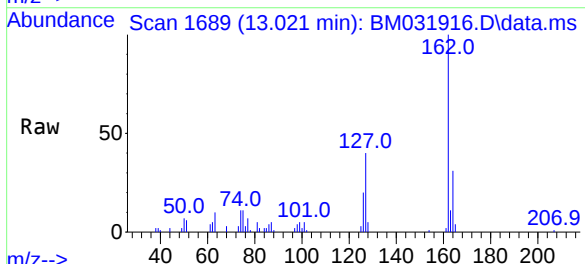
Tgt Ion:154 Resp: 40158
Ion Ratio Lower Upper
154 100
153 40.6 20.3 60.3
76 13.5 0.0 33.5

Manual Integrations
APPROVED

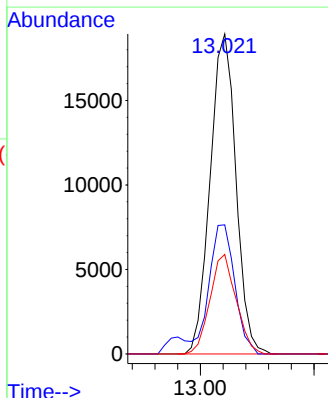
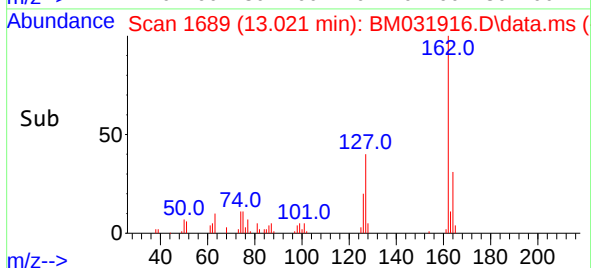
mohammad
8/27/2021 5:07:53 PM

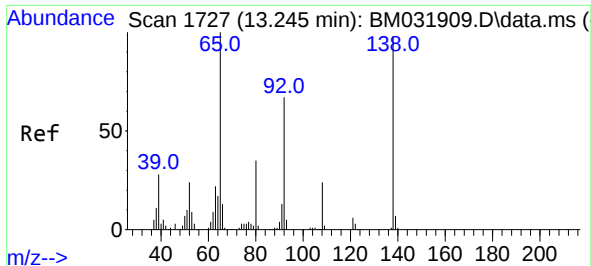


#47
2-Chloronaphthalene
Concen: 3.937 ng
RT: 13.021 min Scan# 1689
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26



Tgt Ion:162 Resp: 29908
Ion Ratio Lower Upper
162 100
127 40.3 33.2 49.8
164 31.1 25.7 38.5





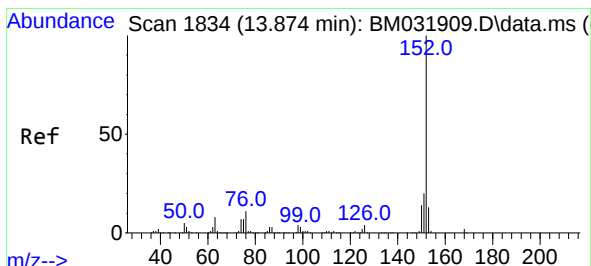
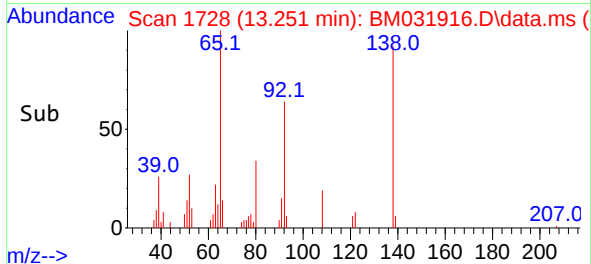
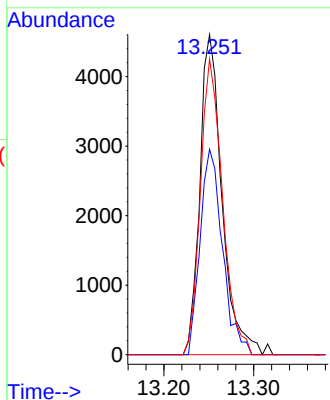
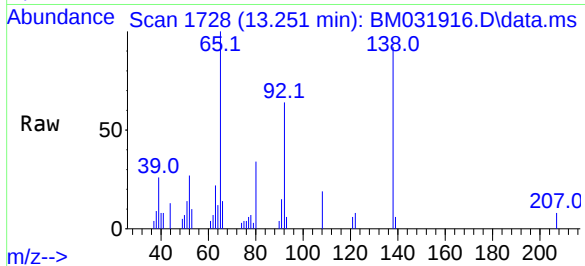
#48
2-Nitroaniline
Concen: 3.263 ng
RT: 13.251 min Scan# 1728
Delta R.T. 0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

Tgt Ion:	65	Resp:	7922
Ion	Ratio	Lower	Upper
65	100		
92	64.2	51.2	76.8
138	92.4	66.8	100.2

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021

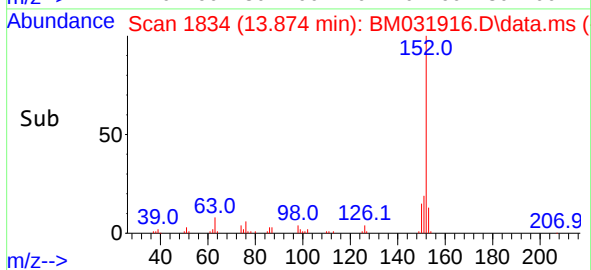
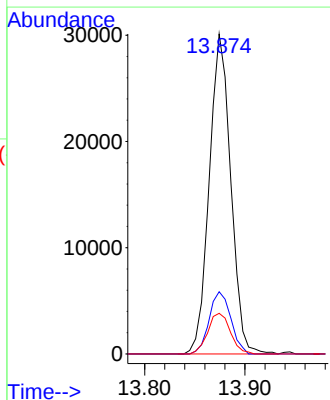
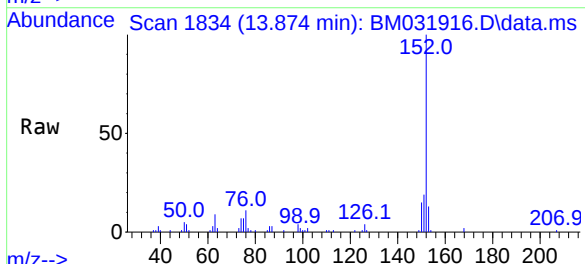
Manual Integrations
APPROVED

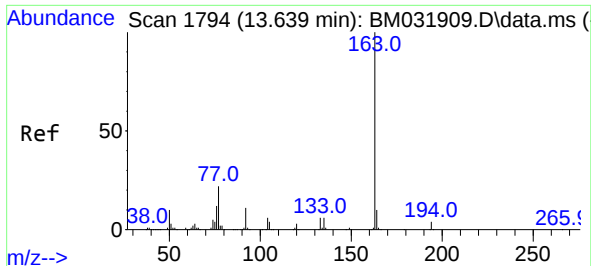
mohammad
8/27/2021 5:07:53 PM



#49
Acenaphthylene
Concen: 3.738 ng
RT: 13.874 min Scan# 1834
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

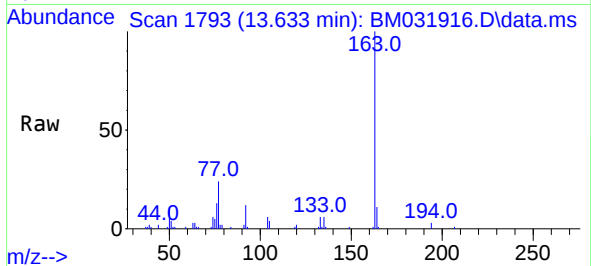
Tgt Ion:	152	Resp:	44860
Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.7	23.5
153	12.7	10.6	15.8





#50
Dimethylphthalate
Concen: 3.866 ng
RT: 13.633 min Scan# 1793
Delta R.T. -0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

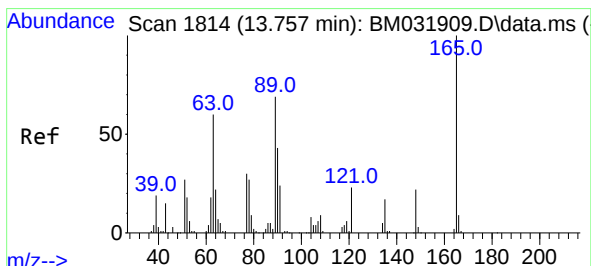
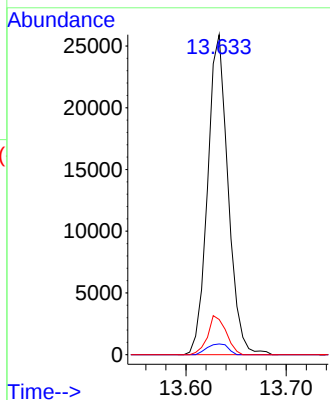
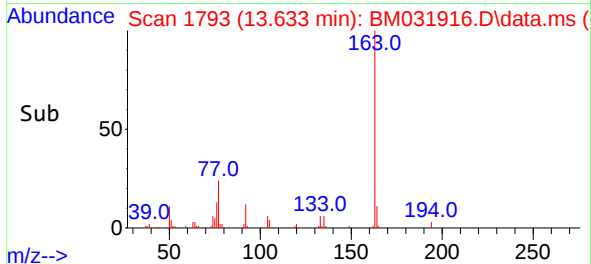
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021



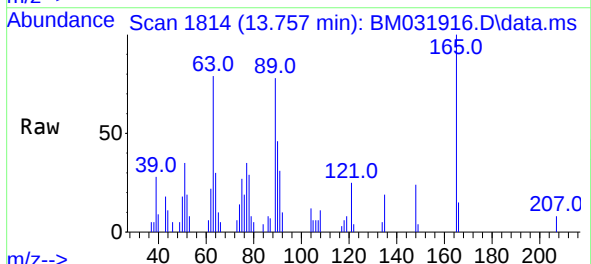
Tgt Ion:163 Resp: 36766
Ion Ratio Lower Upper
163 100
194 3.4 2.9 4.3
164 11.0 8.0 12.0

Manual Integrations
APPROVED

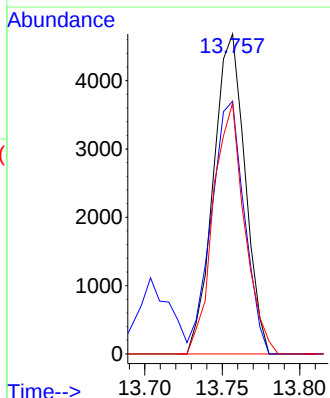
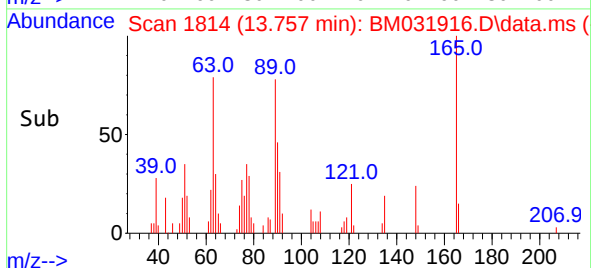
mohammad
8/27/2021 5:07:53 PM

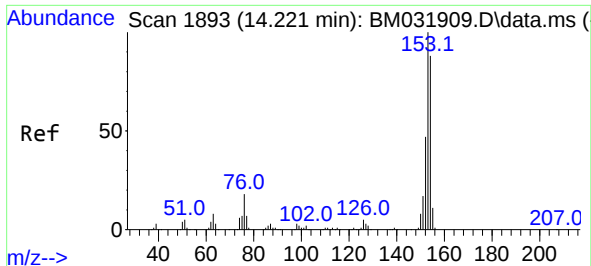


#51
2,6-Dinitrotoluene
Concen: 3.109 ng
RT: 13.757 min Scan# 1814
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26



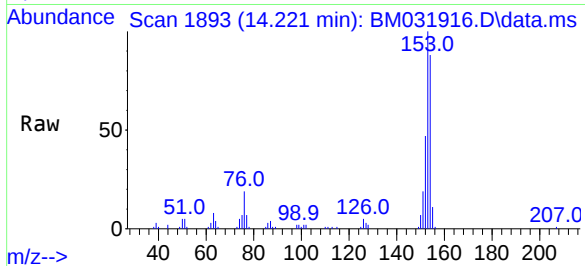
Tgt Ion:165 Resp: 6633
Ion Ratio Lower Upper
165 100
63 79.0 72.4 108.6
89 78.5 69.3 103.9





#52
Acenaphthene
Concen: 3.821 ng
RT: 14.221 min Scan# 1893
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

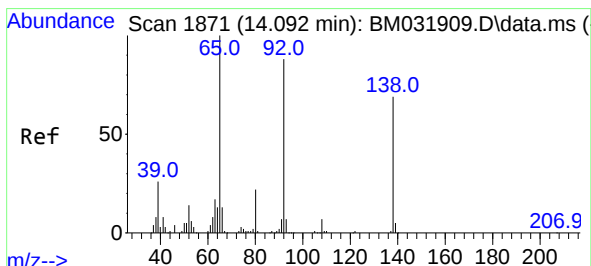
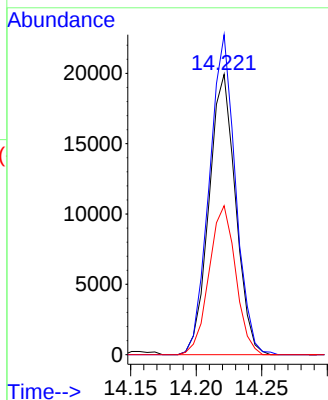
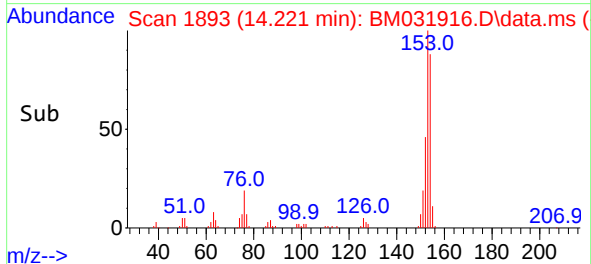
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021



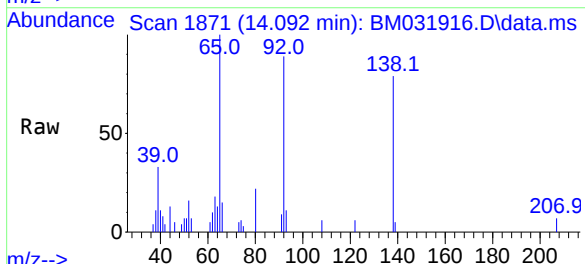
Tgt Ion:154 Resp: 28114
Ion Ratio Lower Upper
154 100
153 114.2 92.4 138.6
152 53.2 43.7 65.5

Manual Integrations
APPROVED

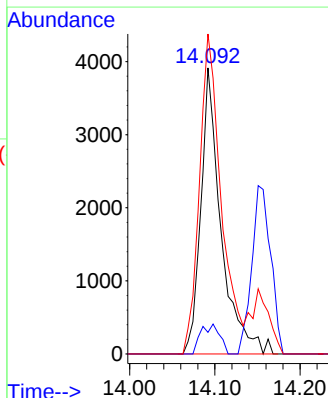
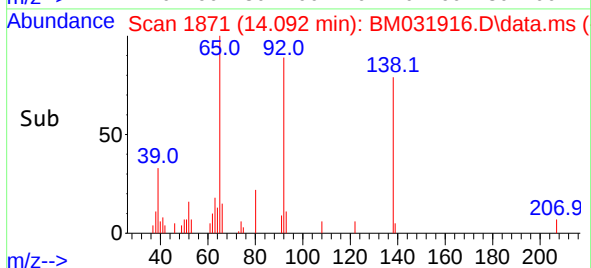
mohammad
8/27/2021 5:07:53 PM

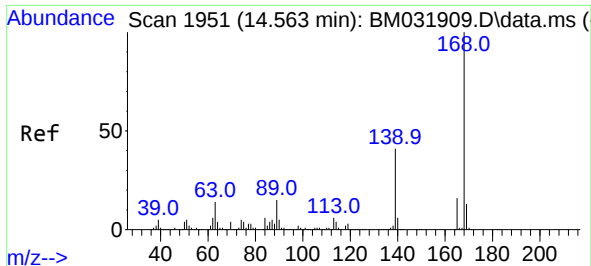


#53
3-Nitroaniline
Concen: 3.067 ng
RT: 14.092 min Scan# 1871
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

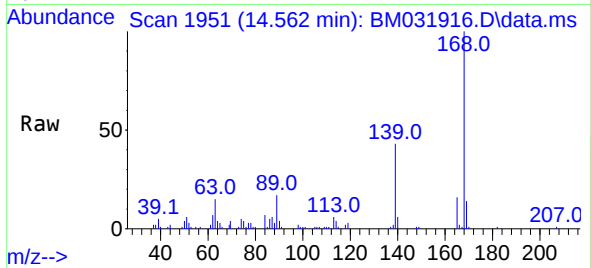


Tgt Ion:138 Resp: 6435
Ion Ratio Lower Upper
138 100
108 7.6 8.3 12.5#
92 111.9 105.2 157.8

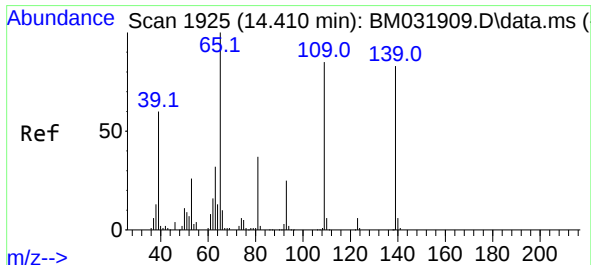
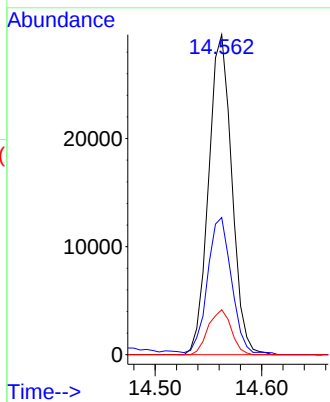
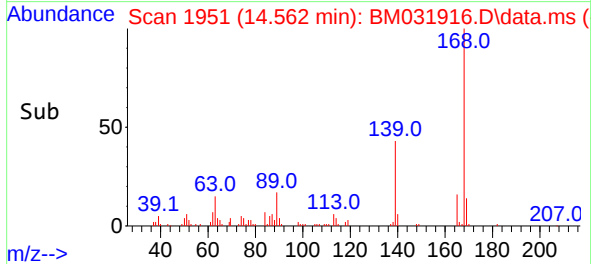




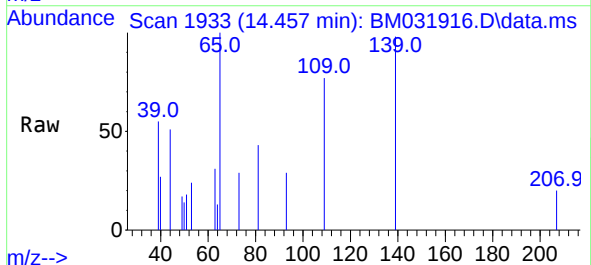
#55
Dibenzenofuran
Concen: 3.741 ng
RT: 14.562 min Scan# 1951
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26



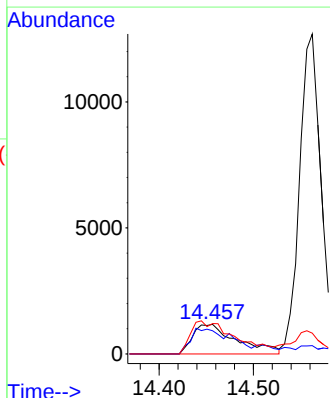
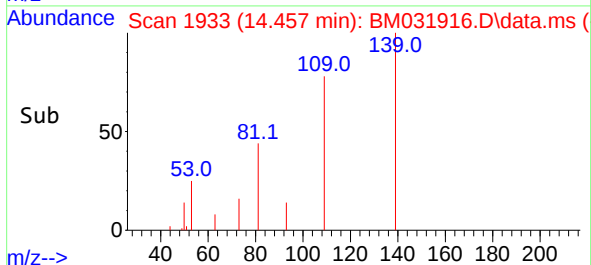
Tgt Ion:168 Resp: 44751
Ion Ratio Lower Upper
168 100
139 42.9 35.0 52.4
169 14.1 10.8 16.2



#56
4-Nitrophenol
Concen: 2.277 ng m
RT: 14.457 min Scan# 1933
Delta R.T. 0.047 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26



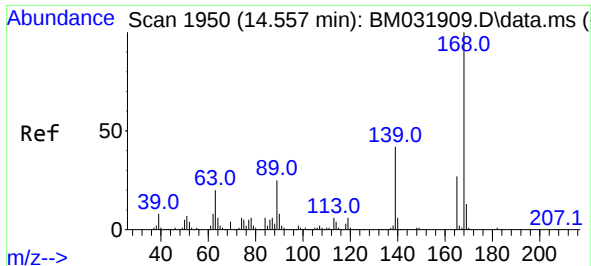
Tgt Ion:139 Resp: 3824
Ion Ratio Lower Upper
139 100
109 78.4 92.3 132.3#
65 102.4 110.5 150.5#



Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021

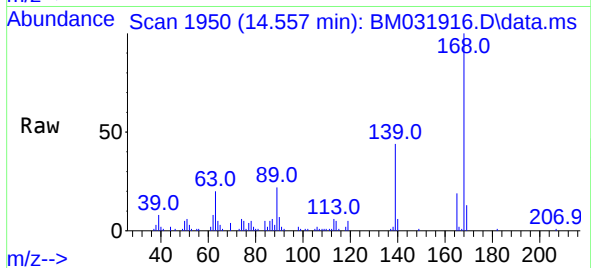
Manual Integrations
APPROVED

mohammad
8/27/2021 5:07:53 PM



#57
2,4-Dinitrotoluene
Concen: 2.961 ng
RT: 14.557 min Scan# 1950
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

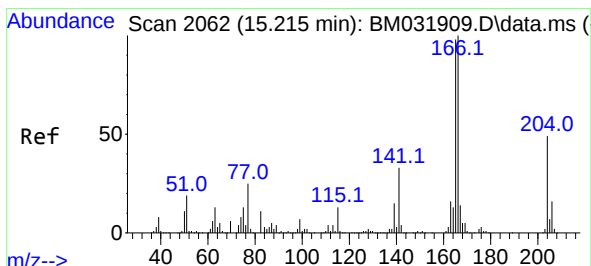
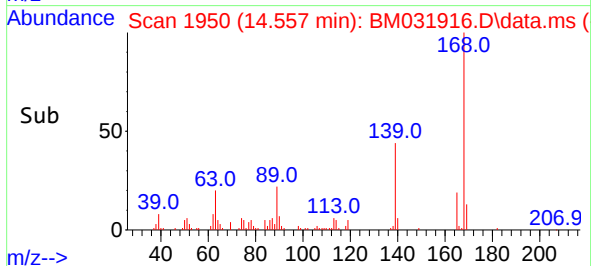
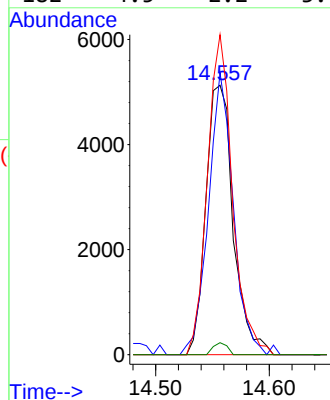
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021



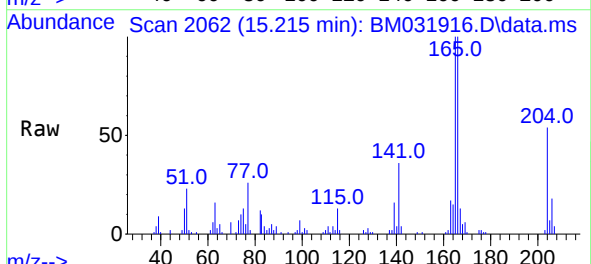
Tgt Ion:165 Resp: 8579
Ion Ratio Lower Upper
165 100
63 104.7 70.3 105.5
89 118.8 83.1 124.7
182 4.5 2.2 3.4#

Manual Integrations
APPROVED

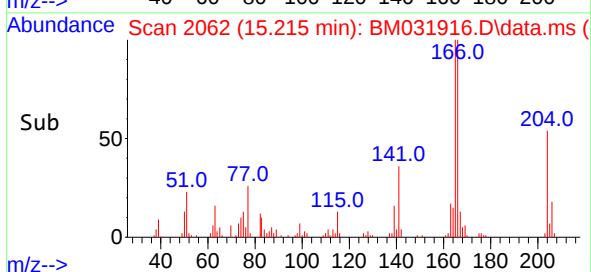
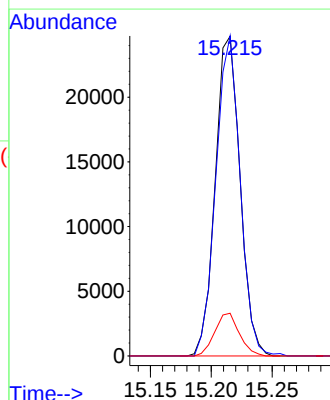
mohammad
8/27/2021 5:07:53 PM

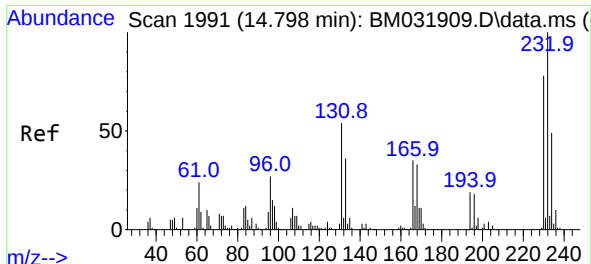


#58
Fluorene
Concen: 3.622 ng
RT: 15.215 min Scan# 2062
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

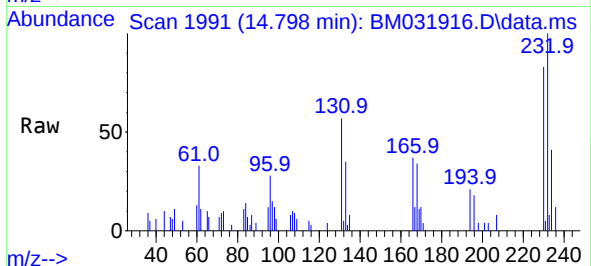


Tgt Ion:166 Resp: 35062
Ion Ratio Lower Upper
166 100
165 100.1 79.3 118.9
167 13.4 10.6 16.0

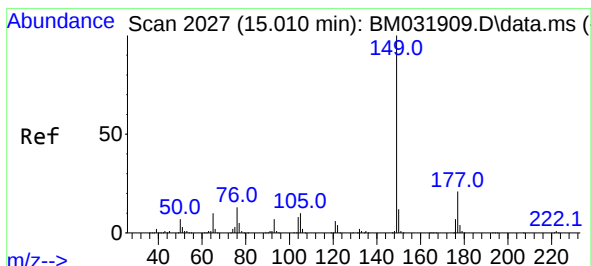
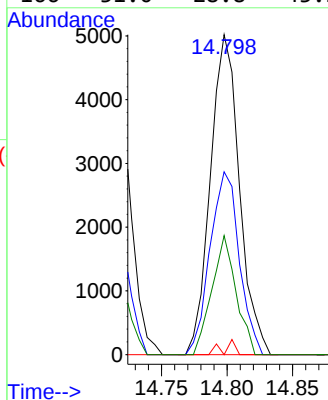
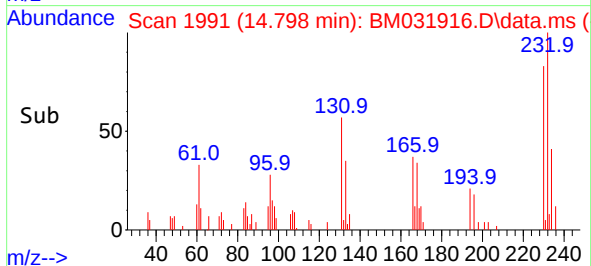




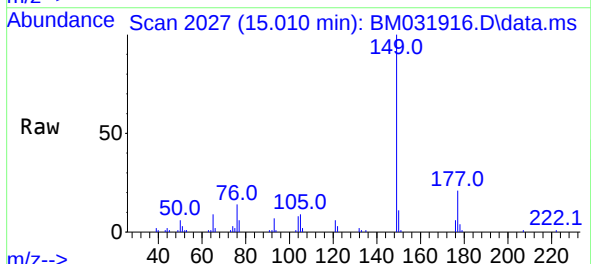
#59
2,3,4,6-Tetrachlorophenol
Concen: 3.327 ng
RT: 14.798 min Scan# 1991
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26



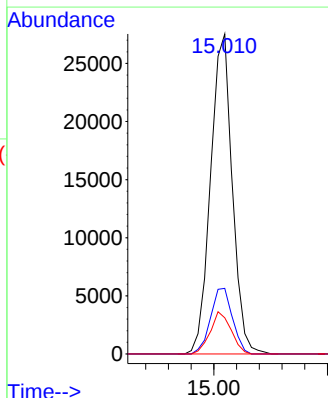
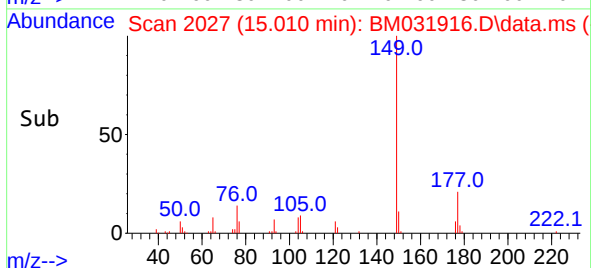
Tgt Ion:232 Resp: 7731
Ion Ratio Lower Upper
232 100
131 57.4 50.6 75.8
130 0.8 3.0 4.4#
166 31.0 28.8 43.2



#60
Diethylphthalate
Concen: 3.669 ng
RT: 15.010 min Scan# 2027
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26



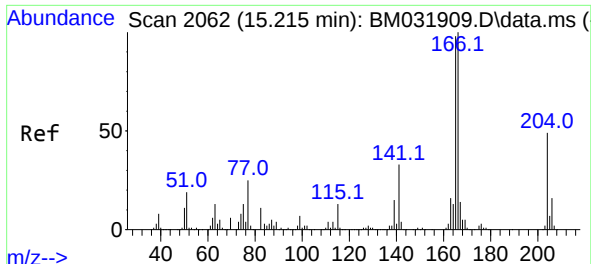
Tgt Ion:149 Resp: 36525
Ion Ratio Lower Upper
149 100
177 20.5 15.7 23.5
150 11.3 9.6 14.4



Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021

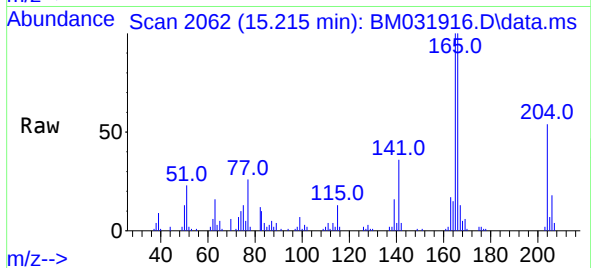
Manual Integrations
APPROVED

mohammad
8/27/2021 5:07:53 PM



#61
4-Chlorophenyl-phenylether
Concen: 3.768 ng
RT: 15.215 min Scan# 2062
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

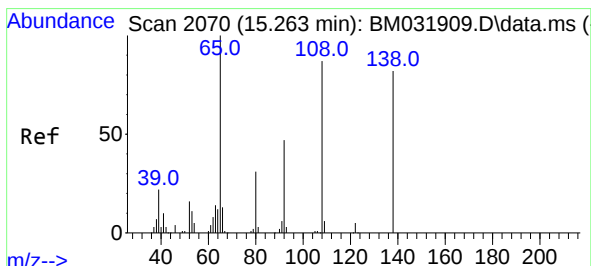
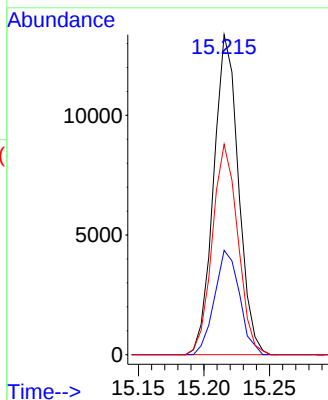
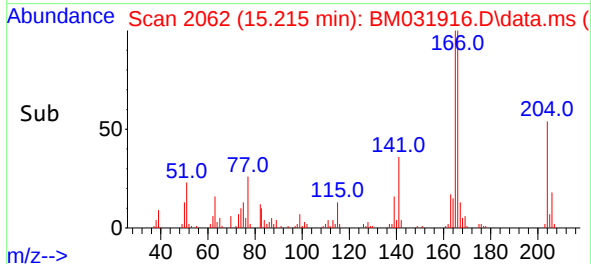
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021



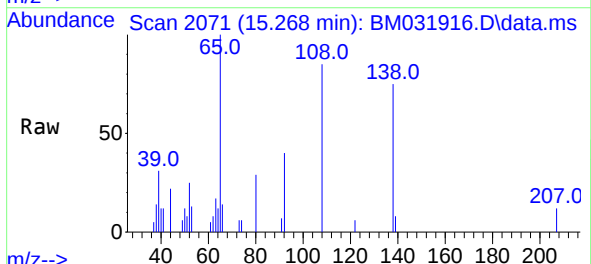
Tgt Ion:204 Resp: 17581
Ion Ratio Lower Upper
204 100
206 32.6 26.7 40.1
141 65.8 55.8 83.8

Manual Integrations
APPROVED

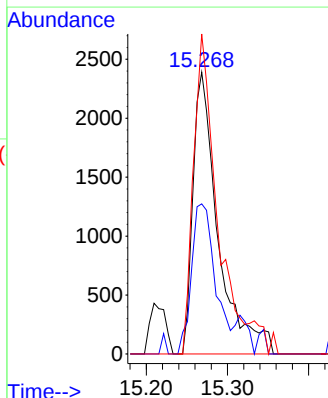
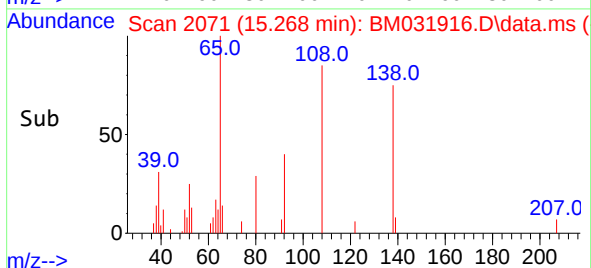
mohammad
8/27/2021 5:07:53 PM

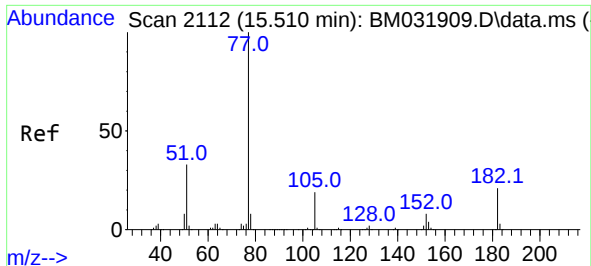


#62
4-Nitroaniline
Concen: 2.503 ng
RT: 15.268 min Scan# 2071
Delta R.T. 0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26



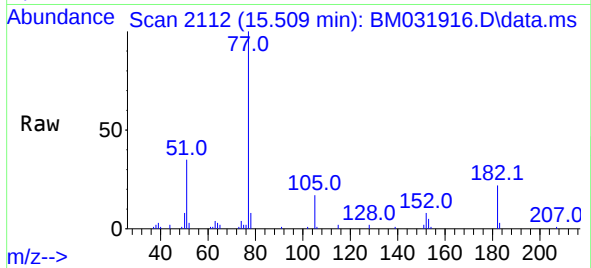
Tgt Ion:138 Resp: 5138
Ion Ratio Lower Upper
138 100
92 53.3 40.6 80.6
108 113.6 103.8 143.8





#63
Azobenzene
Concen: 3.309 ng
RT: 15.509 min Scan# 2112
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

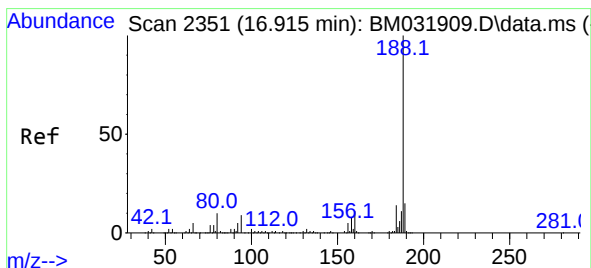
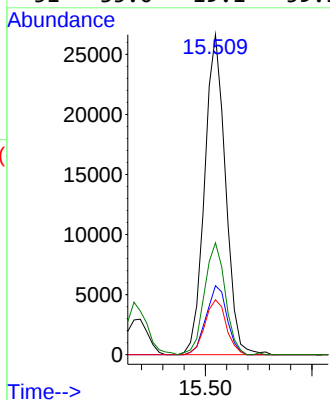
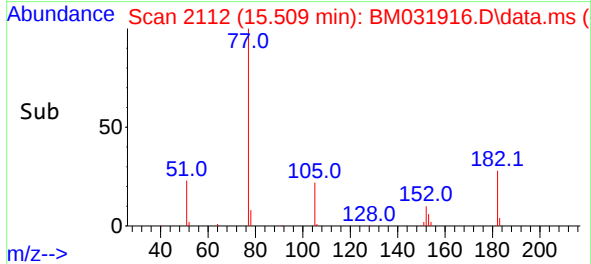
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021



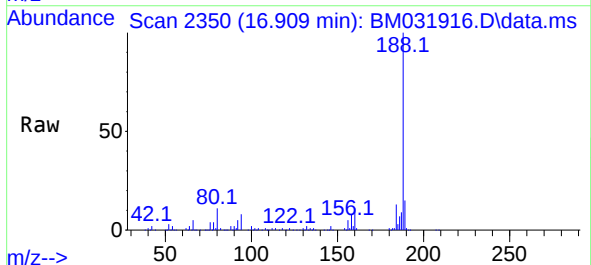
Tgt Ion: 77	Resp: 36328
Ion Ratio	Lower Upper
77 100	
182 21.5	0.0 39.3
105 17.2	0.0 36.1
51 35.0	19.1 59.1

Manual Integrations
APPROVED

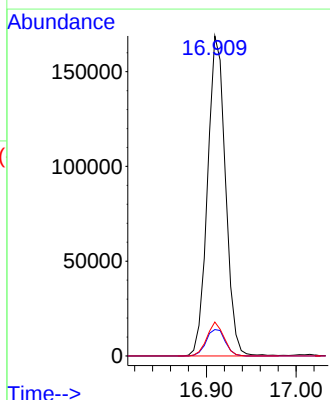
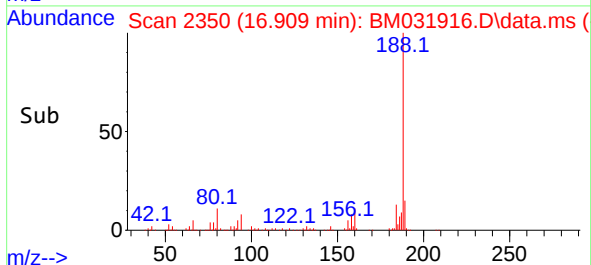
mohammad
8/27/2021 5:07:53 PM

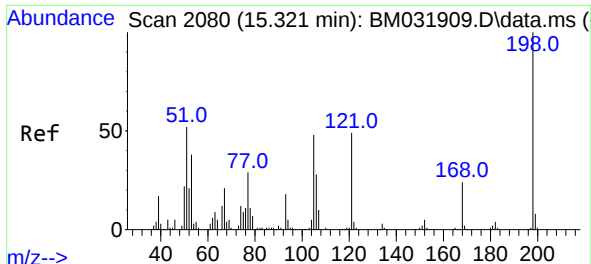


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 16.909 min Scan# 2350
Delta R.T. -0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

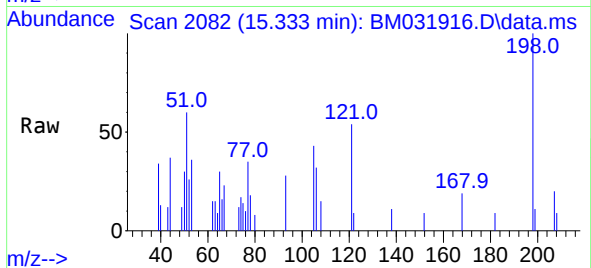


Tgt Ion: 188	Resp: 233951
Ion Ratio	Lower Upper
188 100	
94 8.2	6.3 9.5
80 10.6	7.3 10.9

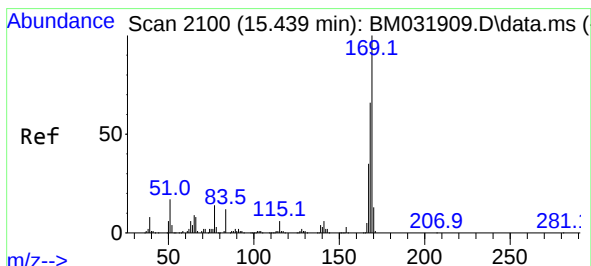
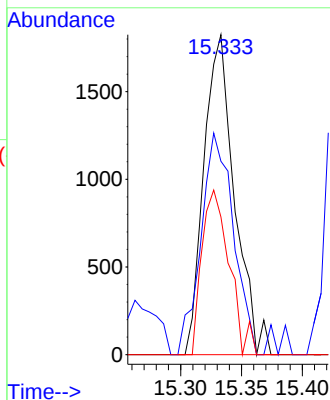
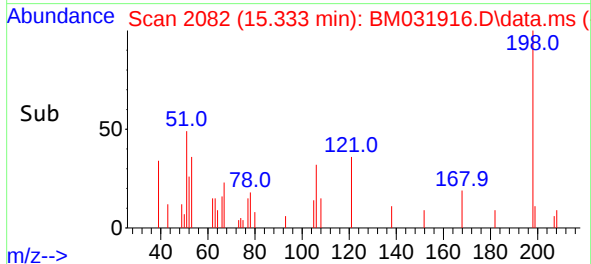




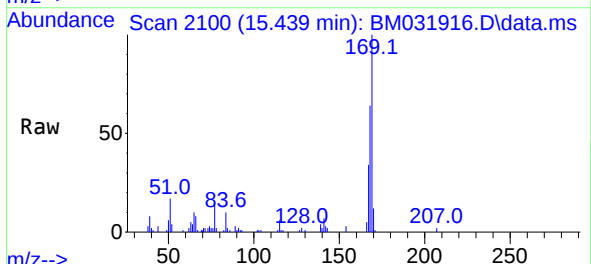
#65
4,6-Dinitro-2-methylphenol
Concen: 2.047 ng
RT: 15.333 min Scan# 2082
Delta R.T. 0.012 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26



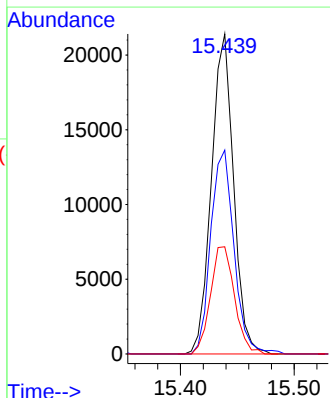
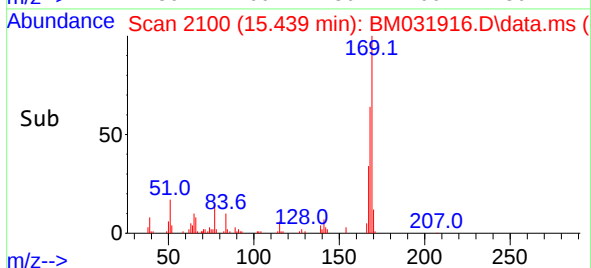
Tgt Ion:198 Resp: 3194
Ion Ratio Lower Upper
198 100
51 60.4 49.7 89.7
105 43.1 34.9 74.9



#66
n-Nitrosodiphenylamine
Concen: 3.681 ng
RT: 15.439 min Scan# 2100
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26



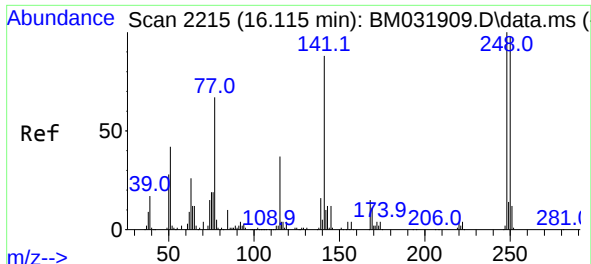
Tgt Ion:169 Resp: 28997
Ion Ratio Lower Upper
169 100
168 63.7 55.0 82.4
167 33.5 29.8 44.8



Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021

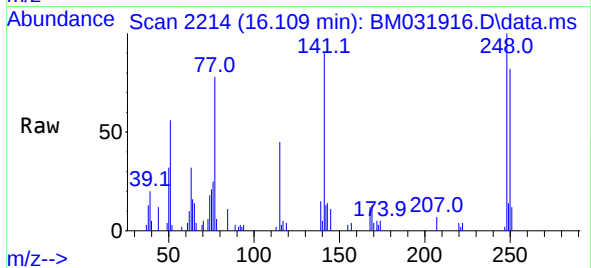
Manual Integrations
APPROVED

mohammad
8/27/2021 5:07:53 PM



#67
4-Bromophenyl-phenylether
Concen: 3.843 ng
RT: 16.109 min Scan# 2214
Delta R.T. -0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

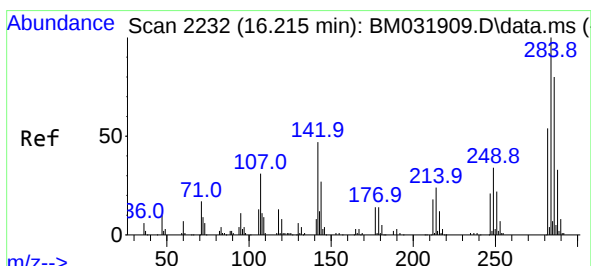
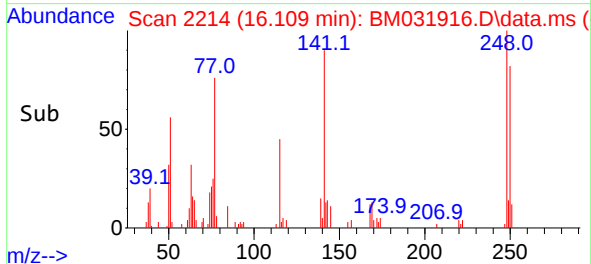
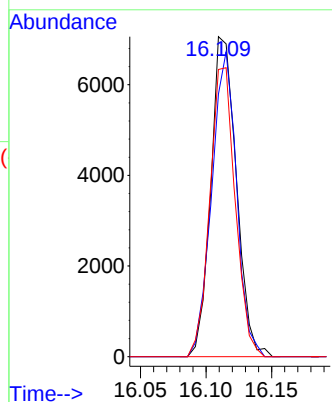
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021



Tgt Ion:248 Resp: 9567
Ion Ratio Lower Upper
248 100
250 82.0 77.4 116.2
141 89.8 74.1 111.1

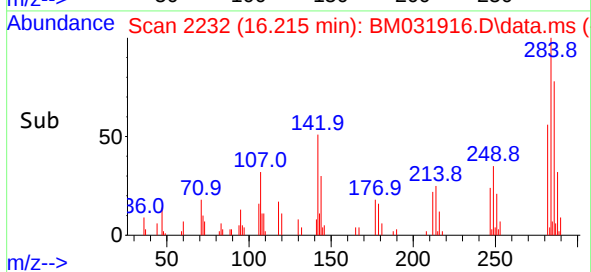
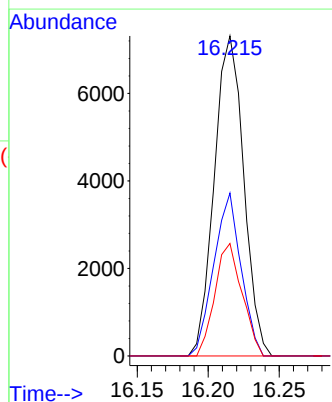
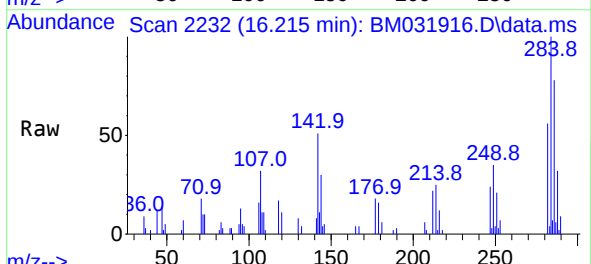
Manual Integrations
APPROVED

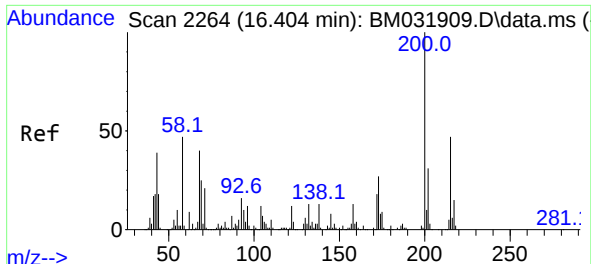
mohammad
8/27/2021 5:07:53 PM



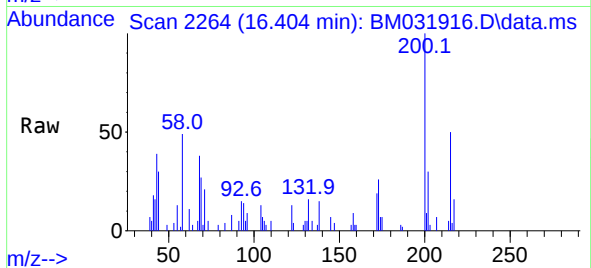
#68
Hexachlorobenzene
Concen: 3.963 ng
RT: 16.215 min Scan# 2232
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

Tgt Ion:284 Resp: 10546
Ion Ratio Lower Upper
284 100
142 50.9 43.0 64.6
249 35.2 27.6 41.4

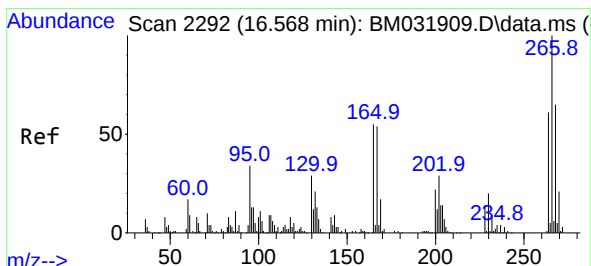
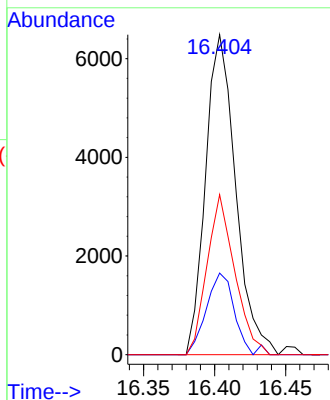
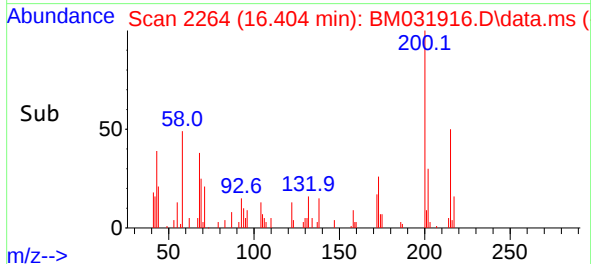




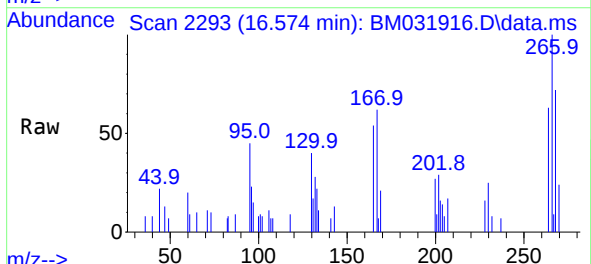
#69
Atrazine
Concen: 3.891 ng
RT: 16.404 min Scan# 2264
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26



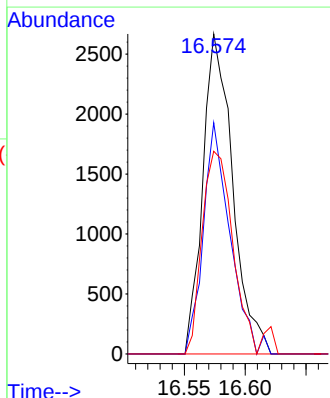
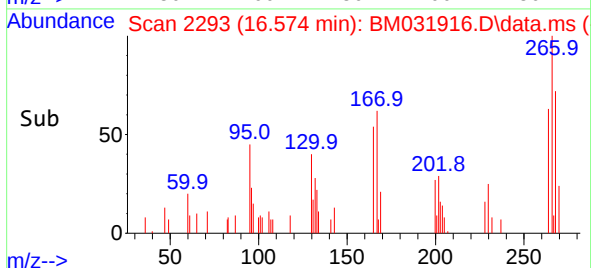
Tgt Ion:200 Resp: 9572
Ion Ratio Lower Upper
200 100
173 25.5 5.8 45.8
215 50.0 23.6 63.6



#70
Pentachlorophenol
Concen: 2.739 ng
RT: 16.574 min Scan# 2293
Delta R.T. 0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26



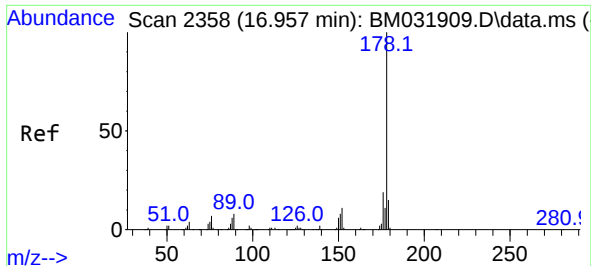
Tgt Ion:266 Resp: 4557
Ion Ratio Lower Upper
266 100
268 72.3 50.3 75.5
264 63.3 52.1 78.1



Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021

Manual Integrations
APPROVED

mohammad
8/27/2021 5:07:53 PM



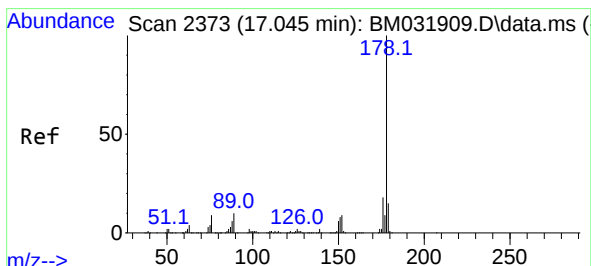
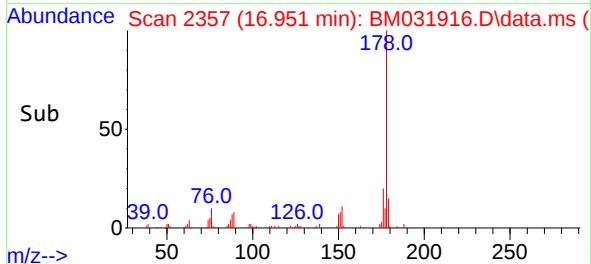
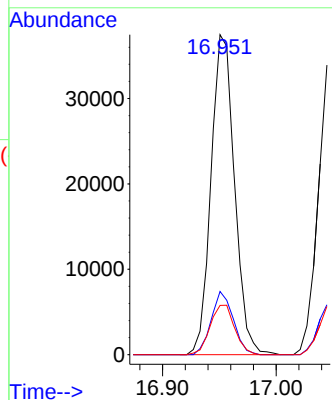
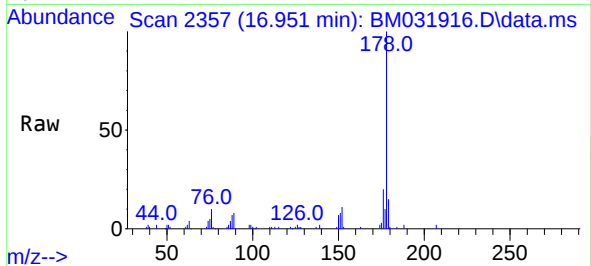
#71
Phenanthrene
Concen: 3.872 ng
RT: 16.951 min Scan# 2357
Delta R.T. -0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

Tgt Ion:	178	Resp:	53802
Ion Ratio	Lower	Upper	
178	100		
176	19.7	15.6	23.4
179	15.4	12.4	18.6

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021

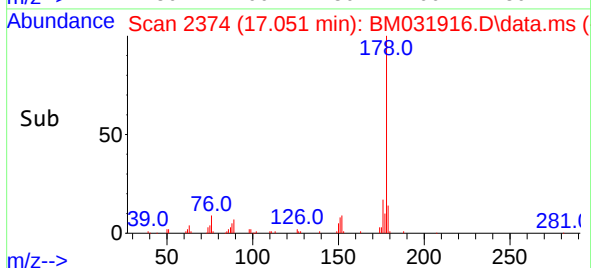
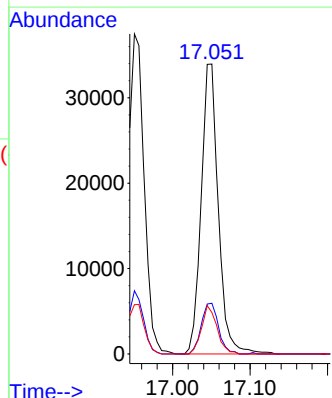
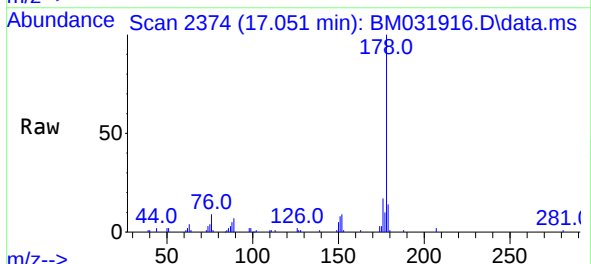
Manual Integrations
APPROVED

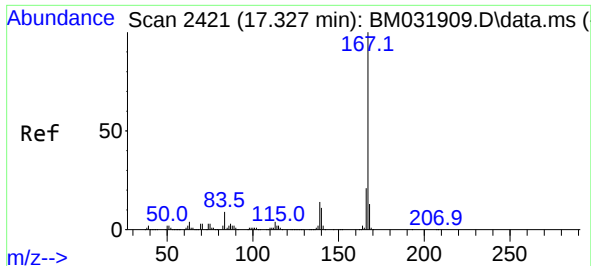
mohammad
8/27/2021 5:07:53 PM



#72
Anthracene
Concen: 3.848 ng
RT: 17.051 min Scan# 2374
Delta R.T. 0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

Tgt Ion:	178	Resp:	52118
Ion Ratio	Lower	Upper	
178	100		
176	17.5	14.8	22.2
179	14.3	12.3	18.5





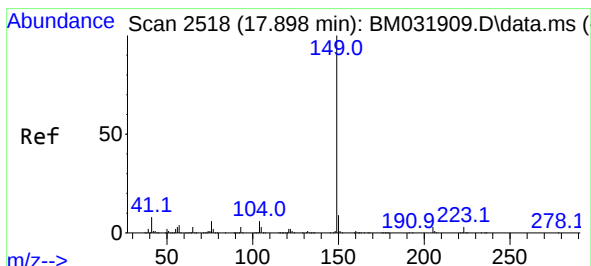
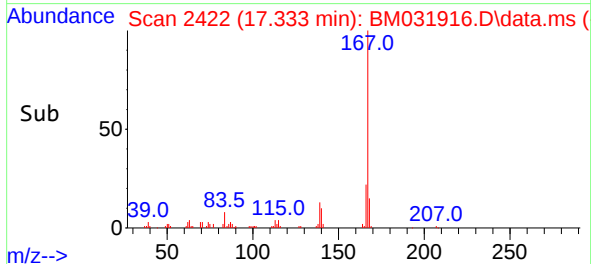
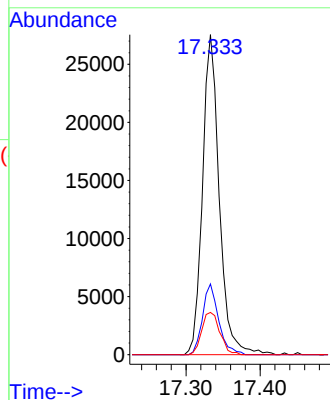
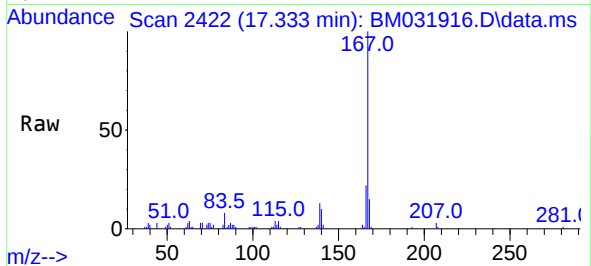
#73
Carbazole
Concen: 3.331 ng
RT: 17.333 min Scan# 2422
Delta R.T. 0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

Tgt Ion:	167	Resp:	43361
Ion	Ratio	Lower	Upper
167	100		
166	22.1	17.4	26.0
139	13.2	11.9	17.9

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021

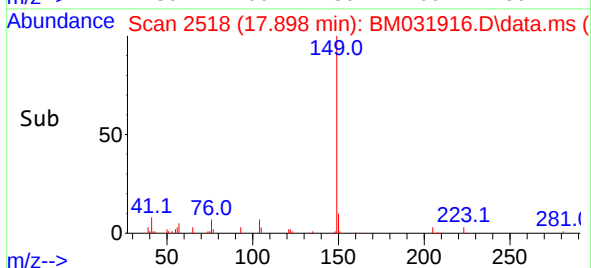
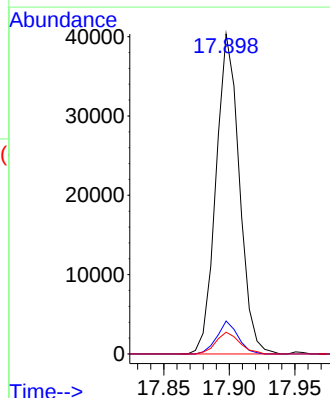
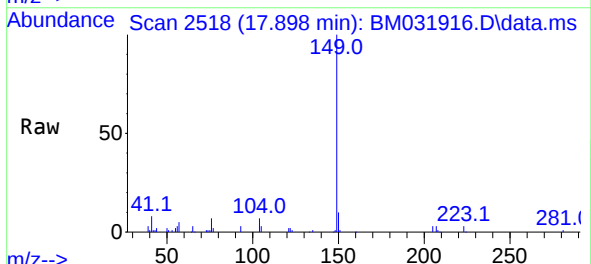
Manual Integrations
APPROVED

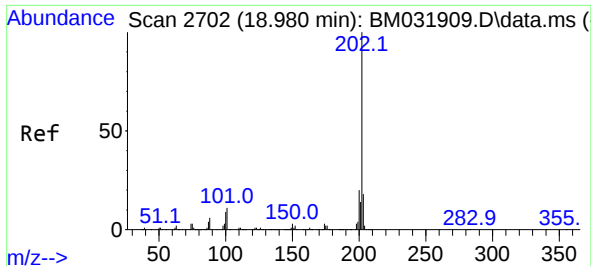
mohammad
8/27/2021 5:07:53 PM



#74
Di-n-butylphthalate
Concen: 3.194 ng
RT: 17.898 min Scan# 2518
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

Tgt Ion:	149	Resp:	49919
Ion	Ratio	Lower	Upper
149	100		
150	10.3	7.3	10.9
104	6.8	5.6	8.4





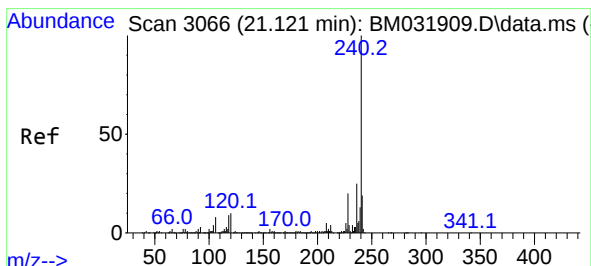
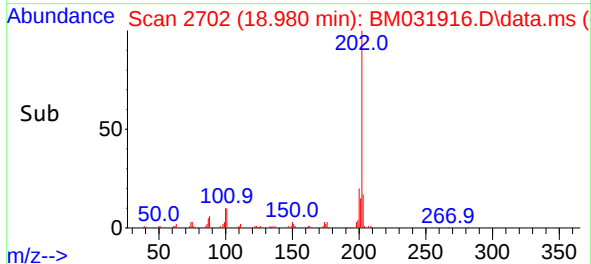
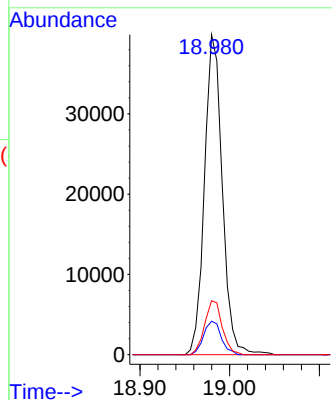
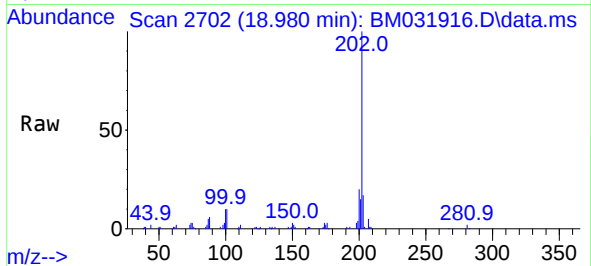
#75
Fluoranthene
Concen: 3.631 ng
RT: 18.980 min Scan# 2702
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

Tgt Ion:202 Resp: 54908
Ion Ratio Lower Upper
202 100
101 10.5 0.0 29.9
203 16.8 0.0 36.8

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021

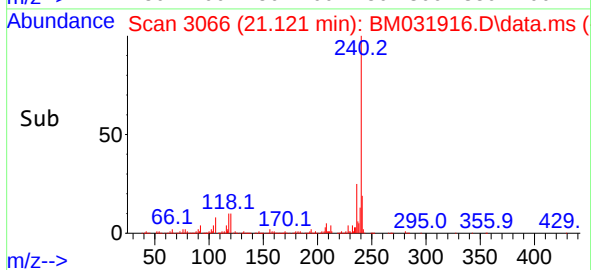
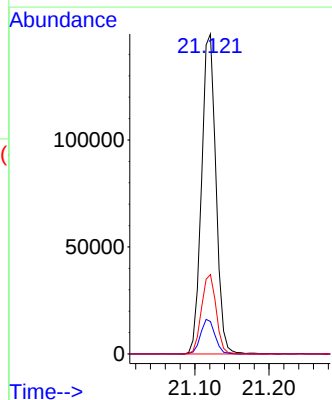
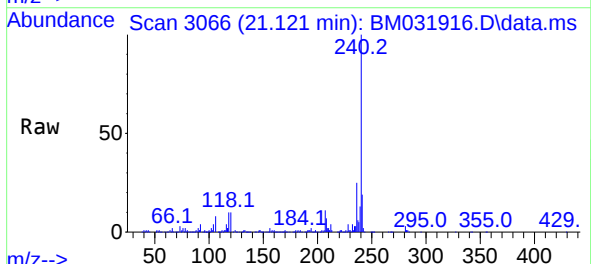
Manual Integrations
APPROVED

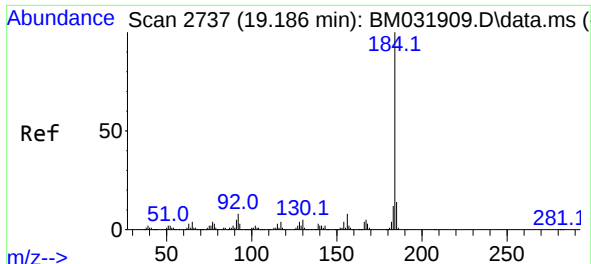
mohammad
8/27/2021 5:07:53 PM



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.121 min Scan# 3066
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

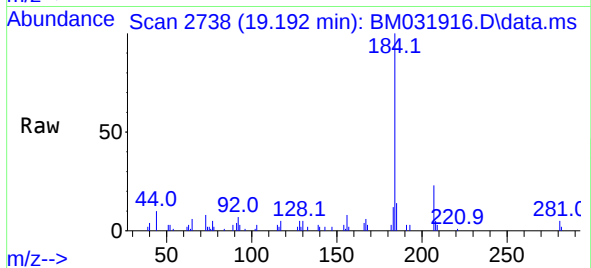
Tgt Ion:240 Resp: 201128
Ion Ratio Lower Upper
240 100
120 10.1 7.8 11.6
236 24.8 20.9 31.3





#77
Benzidine
Concen: 4.799 ng
RT: 19.192 min Scan# 2738
Delta R.T. 0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

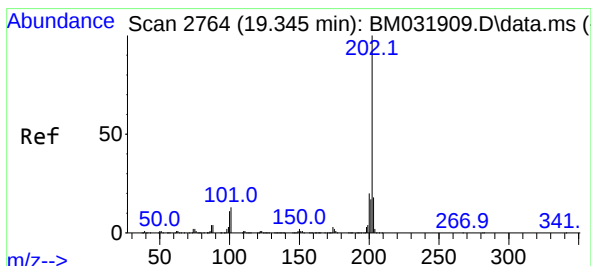
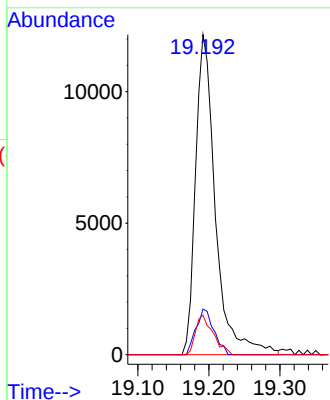
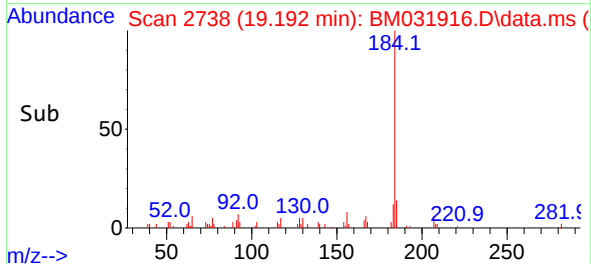
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021



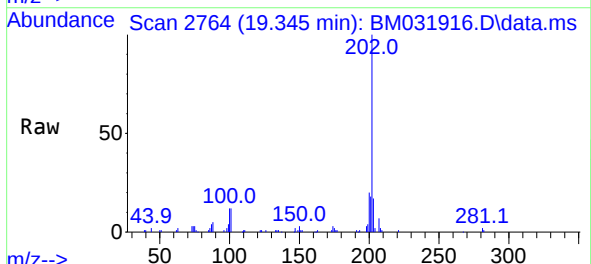
Tgt Ion:184 Resp: 23687
Ion Ratio Lower Upper
184 100
185 14.2 10.6 16.0
183 12.3 9.0 13.4

Manual Integrations
APPROVED

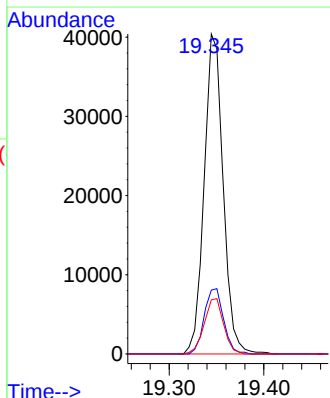
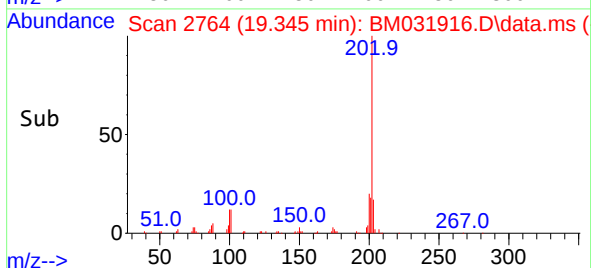
mohammad
8/27/2021 5:07:53 PM

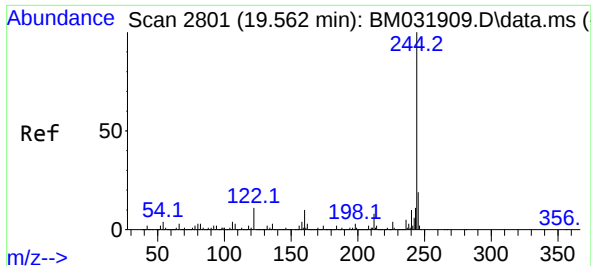


#78
Pyrene
Concen: 3.524 ng
RT: 19.345 min Scan# 2764
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26



Tgt Ion:202 Resp: 56345
Ion Ratio Lower Upper
202 100
200 20.0 16.6 25.0
203 16.9 13.7 20.5





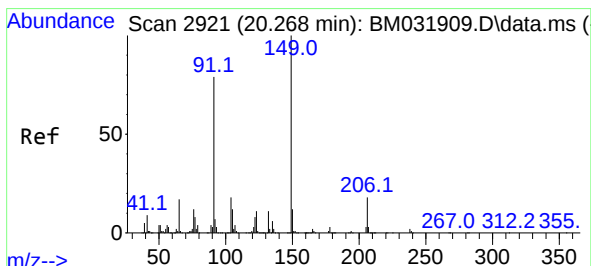
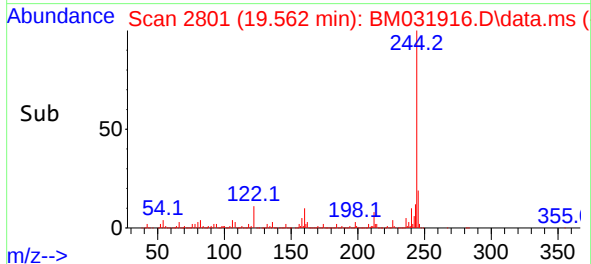
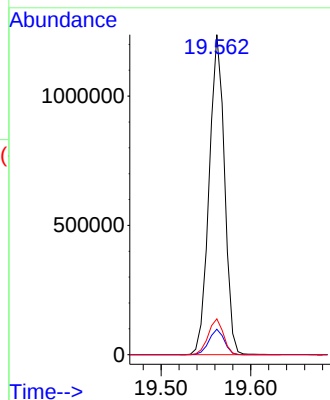
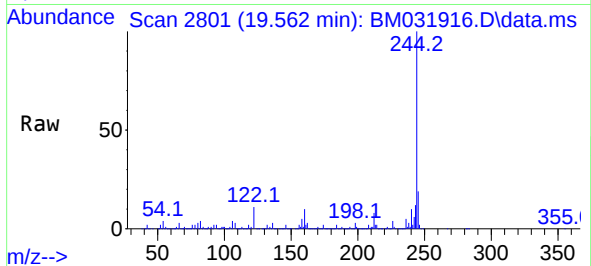
#79
Terphenyl-d14
Concen: 117.458 ng
RT: 19.562 min Scan# 2801
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

Tgt Ion:244 Resp: 1469531
Ion Ratio Lower Upper
244 100
212 8.0 6.5 9.7
122 11.2 8.7 13.1

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021

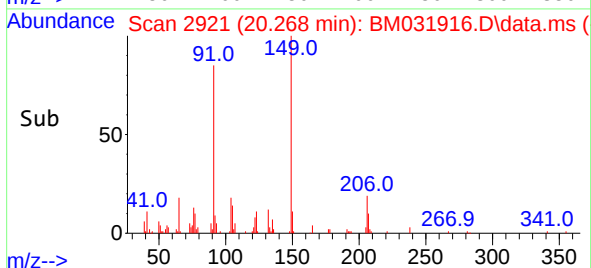
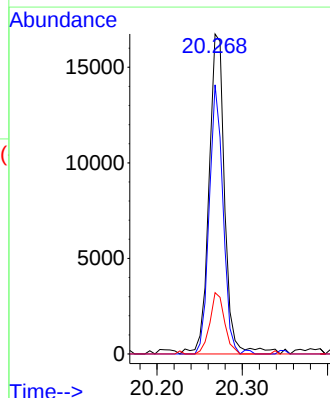
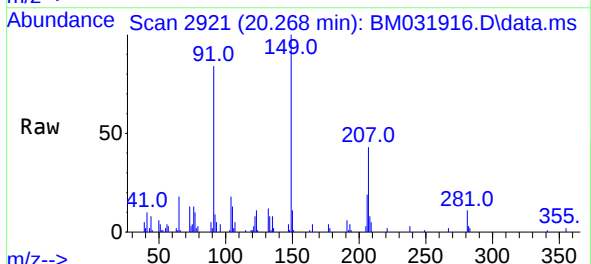
Manual Integrations
APPROVED

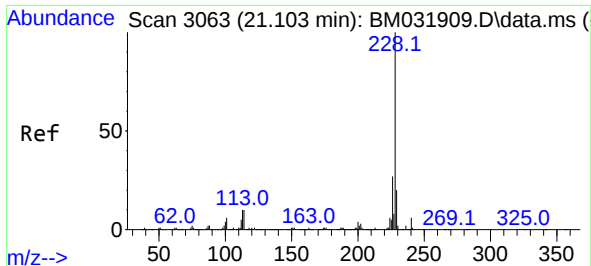
mohammad
8/27/2021 5:07:53 PM



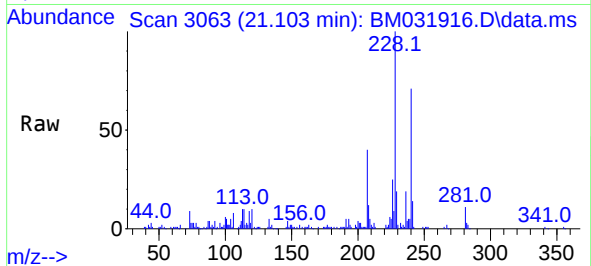
#80
Butylbenzylphthalate
Concen: 3.165 ng
RT: 20.268 min Scan# 2921
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

Tgt Ion:149 Resp: 21499
Ion Ratio Lower Upper
149 100
91 84.1 64.0 96.0
206 19.1 14.4 21.6

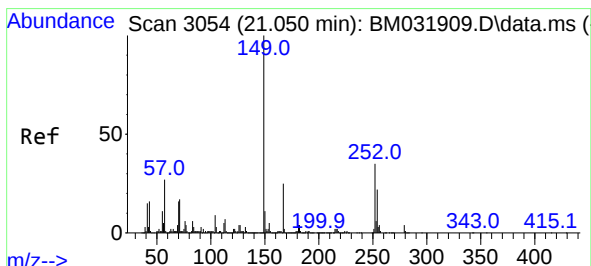
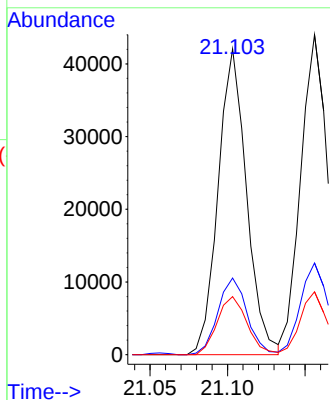
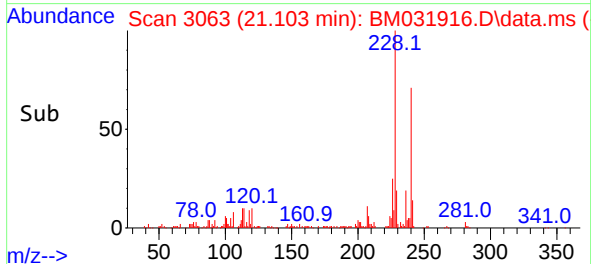




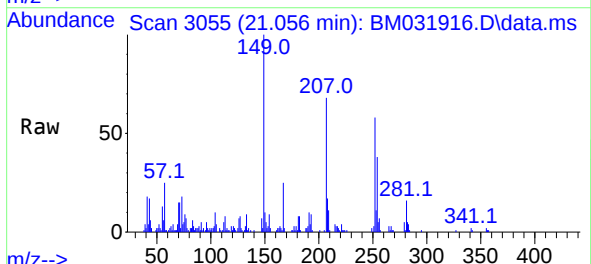
#81
Benzo(a)anthracene
Concen: 3.751 ng
RT: 21.103 min Scan# 3063
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26



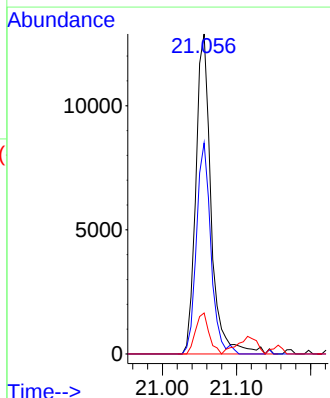
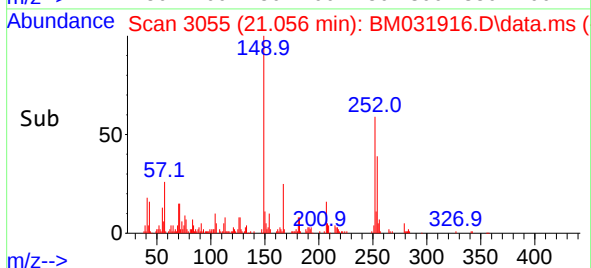
Tgt Ion:228 Resp: 53744
Ion Ratio Lower Upper
228 100
226 25.1 21.4 32.2
229 19.0 15.3 22.9



#82
3,3'-Dichlorobenzidine
Concen: 4.644 ng
RT: 21.056 min Scan# 3055
Delta R.T. 0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26



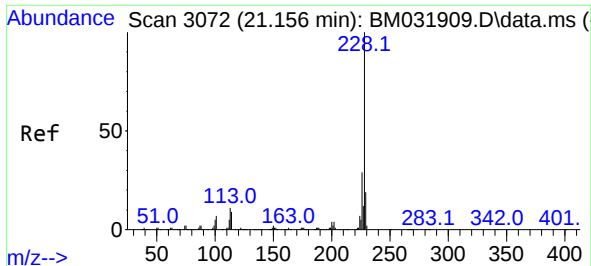
Tgt Ion:252 Resp: 18431
Ion Ratio Lower Upper
252 100
254 66.0 51.6 77.4
126 12.8 9.7 14.5



Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021

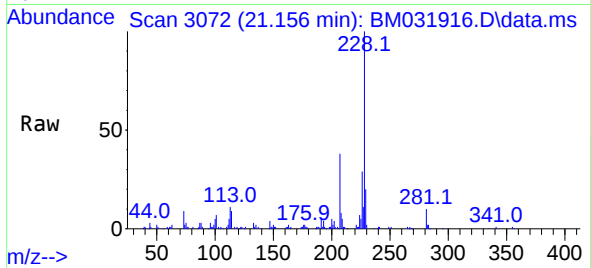
Manual Integrations
APPROVED

mohammad
8/27/2021 5:07:53 PM



#83
Chrysene
Concen: 3.903 ng
RT: 21.156 min Scan# 3072
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

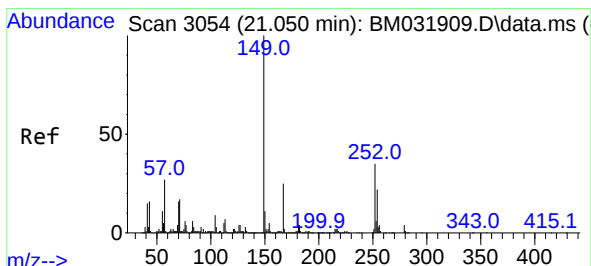
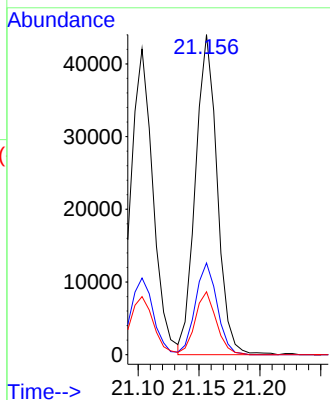
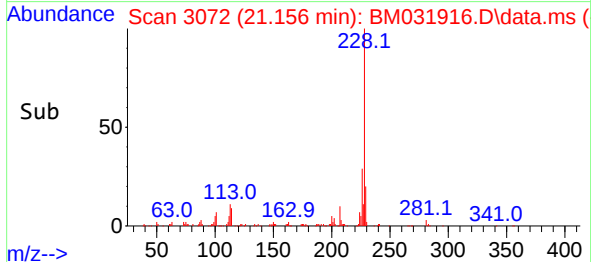
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021



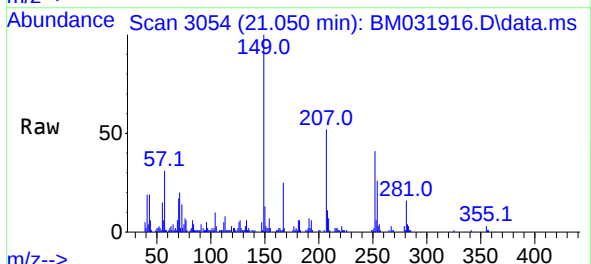
Tgt Ion:228 Resp: 54467
Ion Ratio Lower Upper
228 100
226 28.7 24.0 36.0
229 19.7 16.0 24.0

Manual Integrations
APPROVED

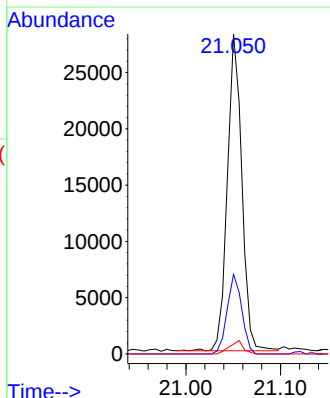
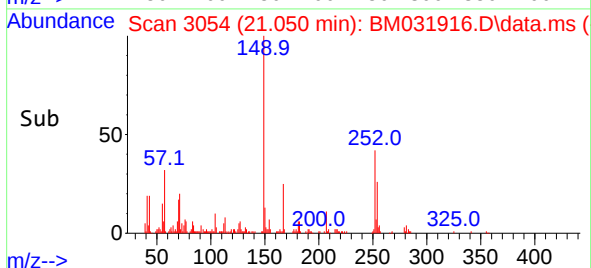
mohammad
8/27/2021 5:07:53 PM

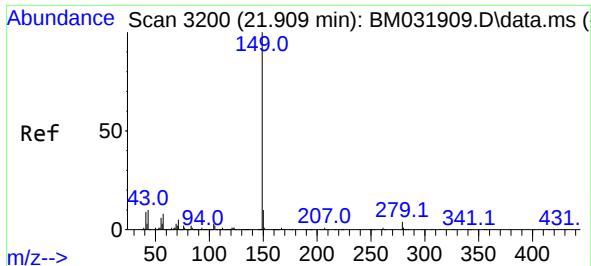


#84
Bis(2-ethylhexyl)phthalate
Concen: 3.055 ng
RT: 21.050 min Scan# 3054
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

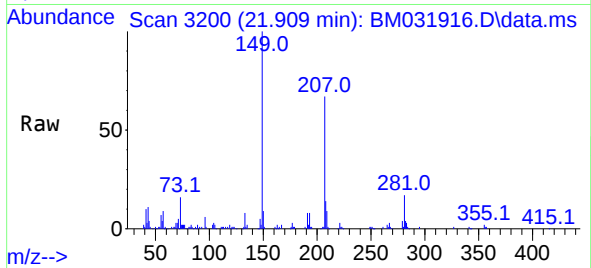


Tgt Ion:149 Resp: 29981
Ion Ratio Lower Upper
149 100
167 24.9 19.7 29.5
279 3.0 2.6 4.0

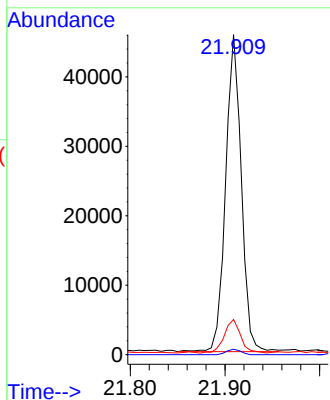
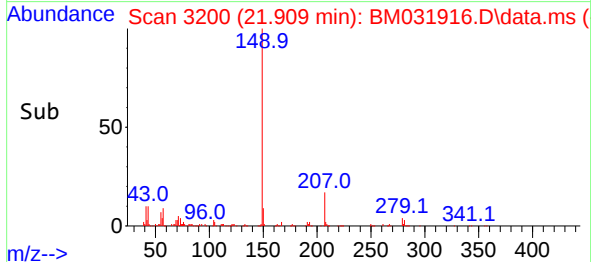




#85
Di-n-octyl phthalate
Concen: 3.388 ng
RT: 21.909 min Scan# 3200
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26



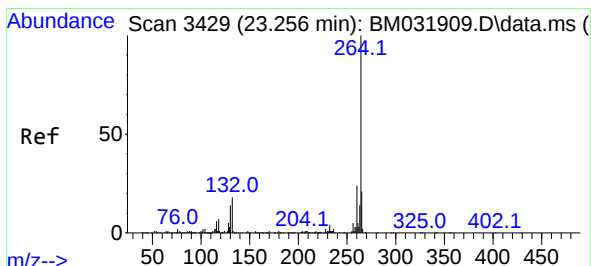
Tgt Ion:149 Resp: 52517
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 11.2 10.4 15.6



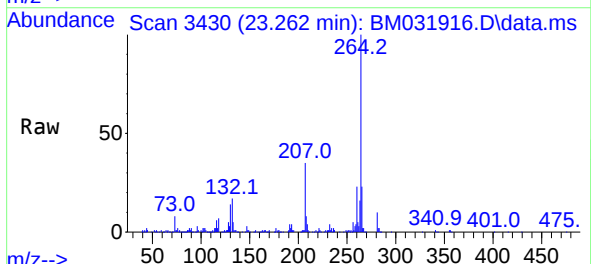
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021

Manual Integrations
APPROVED

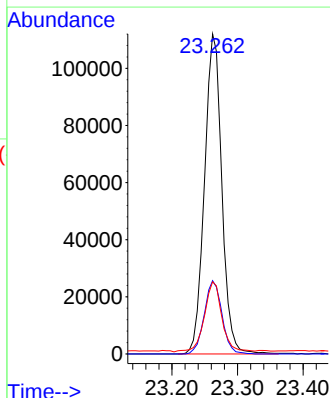
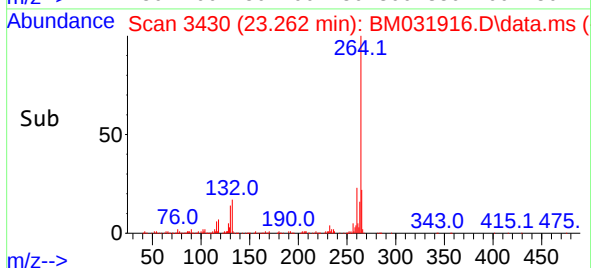
mohammad
8/27/2021 5:07:53 PM

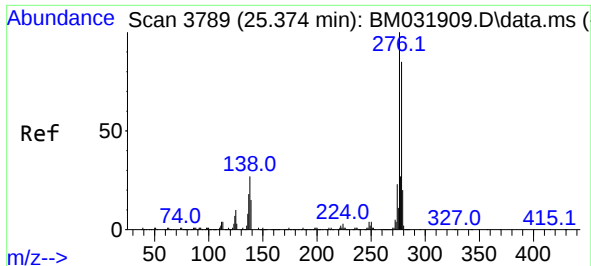


#86
Perylene-d12
Concen: 20.000 ng
RT: 23.262 min Scan# 3430
Delta R.T. 0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26



Tgt Ion:264 Resp: 205970
Ion Ratio Lower Upper
264 100
260 22.9 19.3 28.9
265 22.6 18.3 27.5





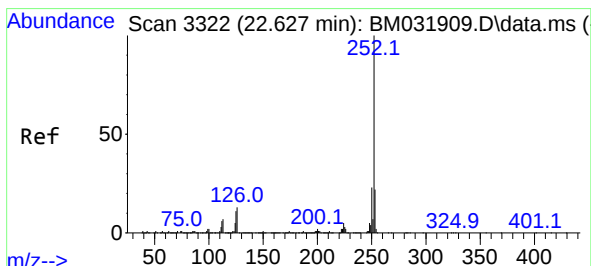
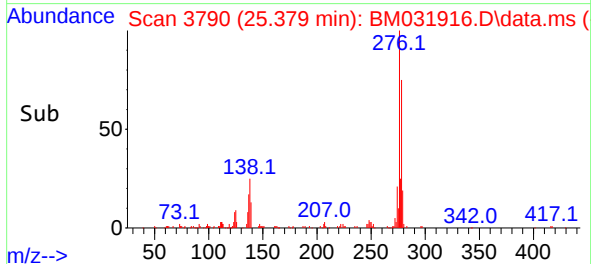
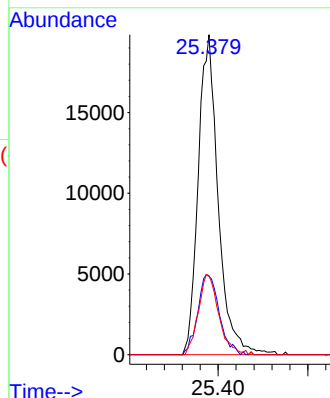
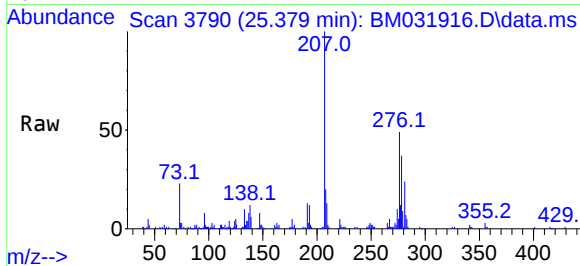
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.264 ng
RT: 25.379 min Scan# 3790
Delta R.T. 0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

Tgt Ion: 276 Resp: 61095
Ion Ratio Lower Upper
276 100
138 26.9 18.4 27.6
277 25.7 20.1 30.1

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021

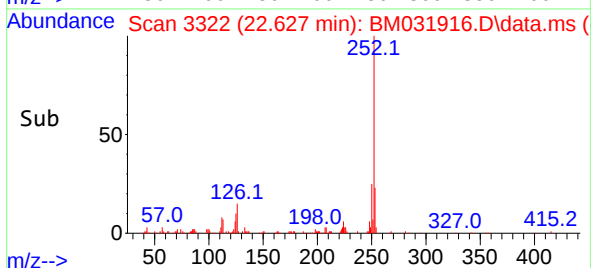
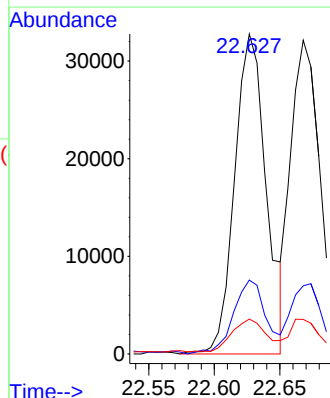
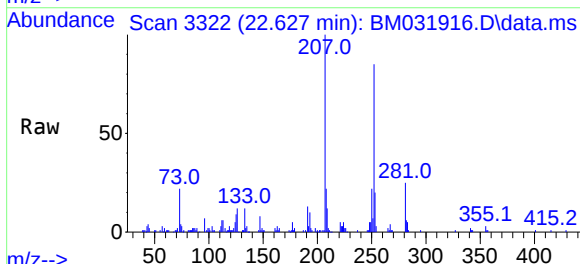
Manual Integrations
APPROVED

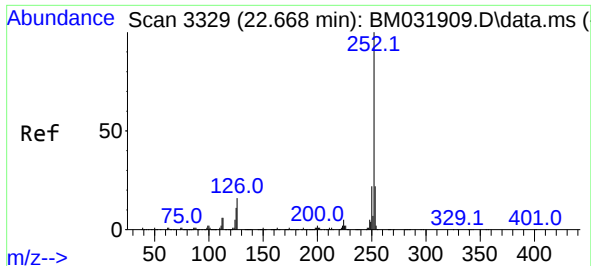
mohammad
8/27/2021 5:07:53 PM



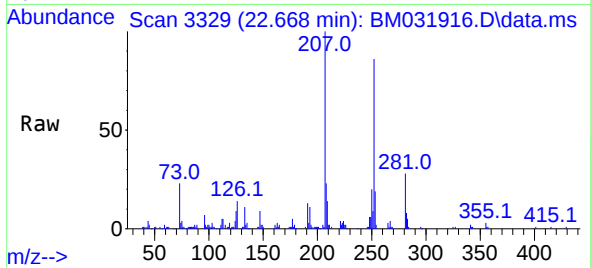
#88
Benzo(b)fluoranthene
Concen: 3.610 ng
RT: 22.627 min Scan# 3322
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

Tgt Ion: 252 Resp: 55008
Ion Ratio Lower Upper
252 100
253 23.1 18.0 27.0
125 10.9 7.5 11.3

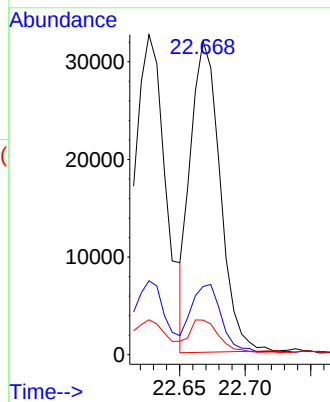
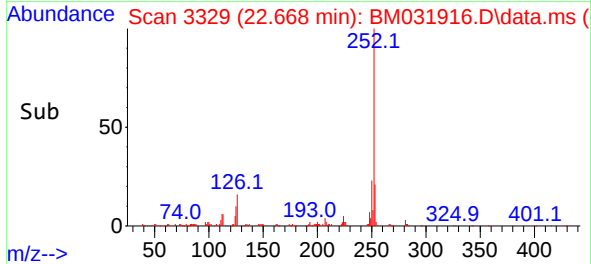




#89
Benzo(k)fluoranthene
Concen: 3.432 ng
RT: 22.668 min Scan# 3329
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26



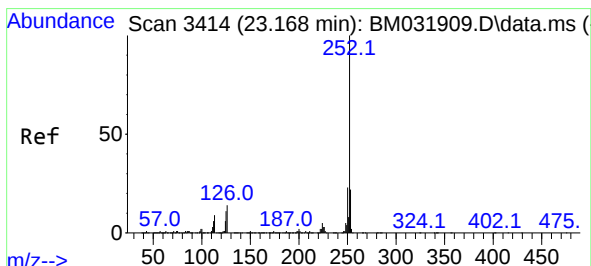
Tgt Ion:252 Resp: 50066
Ion Ratio Lower Upper
252 100
253 21.7 17.3 25.9
125 11.0 7.5 11.3



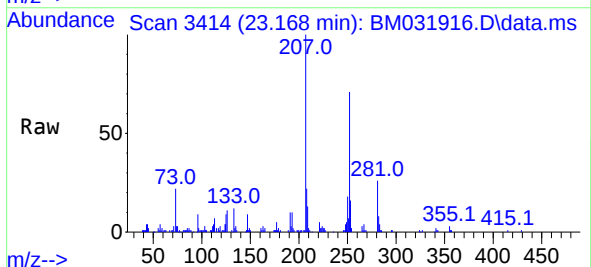
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021

Manual Integrations
APPROVED

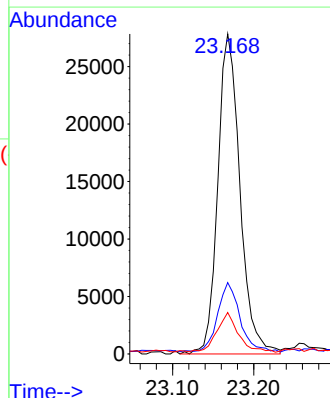
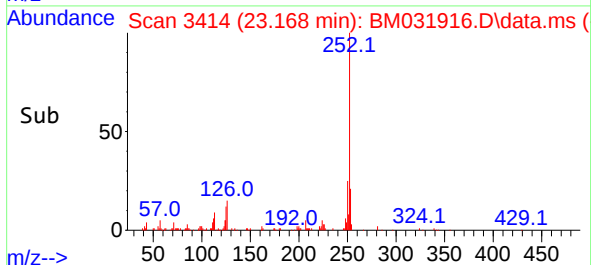
mohammad
8/27/2021 5:07:53 PM

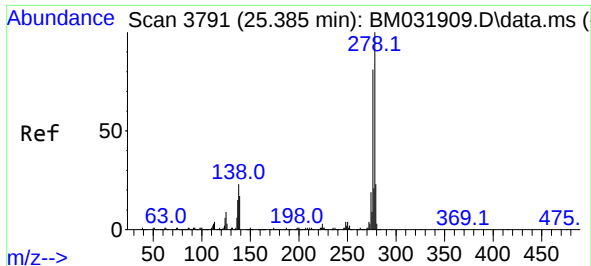


#90
Benzo(a)pyrene
Concen: 3.957 ng
RT: 23.168 min Scan# 3414
Delta R.T. -0.000 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26



Tgt Ion:252 Resp: 52907
Ion Ratio Lower Upper
252 100
253 22.3 17.4 26.2
125 13.0 8.1 12.1#





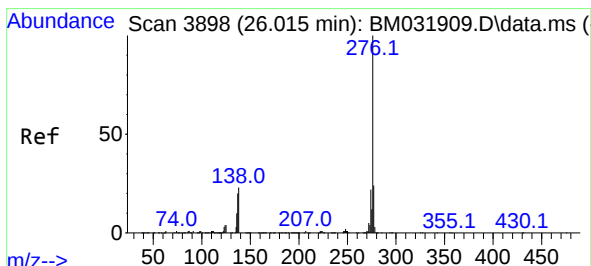
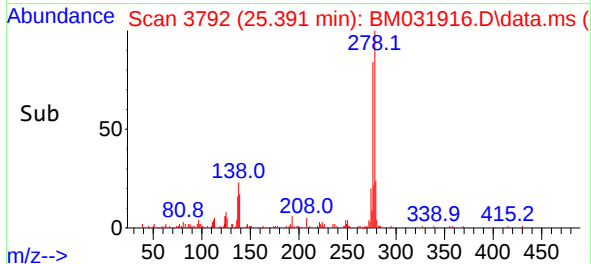
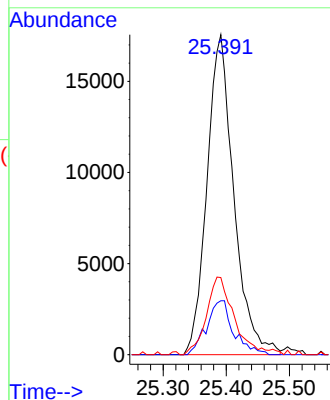
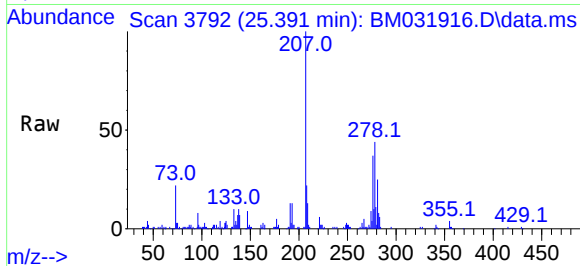
#91
Dibenzo(a,h)anthracene
Concen: 4.175 ng
RT: 25.391 min Scan# 3792
Delta R.T. 0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

Tgt Ion: 278 Resp: 51883
Ion Ratio Lower Upper
278 100
139 16.9 10.9 16.3#
279 24.1 18.2 27.2

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT2-2021

Manual Integrations
APPROVED

mohammad
8/27/2021 5:07:53 PM



#92
Benzo(g,h,i)perylene
Concen: 4.474 ng
RT: 26.021 min Scan# 3899
Delta R.T. 0.006 min
Lab File: BM031916.D
Acq: 26 Aug 2021 16:26

Tgt Ion: 276 Resp: 52365
Ion Ratio Lower Upper
276 100
277 23.3 19.4 29.0
138 21.2 14.6 22.0

