

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032921\
 Data File : BM029244.D
 Acq On : 29 Mar 2021 12:29
 Operator : CG/JU
 Sample : M1458-03
 Misc : MDL-SOIL-4PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2021

Manual Integrations
 APPROVED

mohammad
 3/30/2021 12:41:28 PM

Quant Time: Mar 29 13:00:24 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 29 12:59:16 2021
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.751	152	106821	20.00	ng	0.00
21) Naphthalene-d8	10.534	136	420798	20.00	ng	0.00
39) Acenaphthene-d10	14.380	164	251411	20.00	ng	0.00
64) Phenanthrene-d10	17.115	188	535186	20.00	ng	0.00
76) Chrysene-d12	21.280	240	574289	20.00	ng	# 0.00
86) Perylene-d12	23.515	264	597808	20.00	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.352	112	567166	91.52	ng	0.00
7) Phenol-d6	6.922	99	829667	93.30	ng	0.00
23) Nitrobenzene-d5	8.904	82	585998	67.61	ng	0.00
42) 2,4,6-Tribromophenol	15.863	330	221458	95.12	ng	0.00
45) 2-Fluorobiphenyl	13.004	172	1178822	66.51	ng	0.00
79) Terphenyl-d14	19.739	244	1970090	68.92	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	3.305	88	11825	4.20	ng	98
3) Pyridine	3.710	79	26556	3.91	ng	# 87
4) n-Nitrosodimethylamine	3.634	42	12057m	3.96	ng	
6) Aniline	7.087	93	45929	4.77	ng	98
8) 2-Chlorophenol	7.316	128	29818	4.26	ng	98
9) Benzaldehyde	6.904	77	30275	5.42	ng	94
10) Phenol	6.946	94	39025	4.44	ng	94
11) bis(2-Chloroethyl)ether	7.187	93	28487	4.53	ng	94
12) 1,3-Dichlorobenzene	7.645	146	33767	4.32	ng	98
13) 1,4-Dichlorobenzene	7.793	146	33995	4.29	ng	97
14) 1,2-Dichlorobenzene	8.104	146	32597	4.28	ng	95
15) Benzyl Alcohol	7.993	79	26217	4.08	ng	95
16) 2,2'-oxybis(1-Chloropr...	8.275	45	45856	4.76	ng	98
17) 2-Methylphenol	8.187	107	22214	3.93	ng	95
18) Hexachloroethane	8.828	117	12481	4.33	ng	92
19) n-Nitroso-di-n-propyla...	8.557	70	23064	4.02	ng	# 94
20) 3+4-Methylphenols	8.510	107	30127	3.99	ng	96
22) Acetophenone	8.569	105	44667	4.24	ng	97
24) Nitrobenzene	8.945	77	41094	4.54	ng	97
25) Isophorone	9.469	82	53698	3.61	ng	99
26) 2-Nitrophenol	9.651	139	9647	3.20	ng	92
27) 2,4-Dimethylphenol	9.710	122	24246	4.19	ng	99
28) bis(2-Chloroethoxy)met...	9.951	93	34923	4.44	ng	98
29) 2,4-Dichlorophenol	10.181	162	21131	3.36	ng	97
30) 1,2,4-Trichlorobenzene	10.398	180	28919	4.05	ng	97
31) Naphthalene	10.586	128	91189	4.11	ng	99
32) Benzoic acid	9.757	122	3944	1.17	ng	94
33) 4-Chloroaniline	10.692	127	34837	3.97	ng	95
34) Hexachlorobutadiene	10.875	225	15621	3.77	ng	97
35) Caprolactam	11.457	113	4953	2.59	ng	90
36) 4-Chloro-3-methylphenol	11.810	107	23552	3.51	ng	94
37) 2-Methylnaphthalene	12.198	142	61735	3.98	ng	96
38) 1-Methylnaphthalene	12.416	142	57778	3.92	ng	100
40) 1,2,4,5-Tetrachloroben...	12.569	216	28072	3.98	ng	97
41) Hexachlorocyclopentadiene	12.545	237	13403	3.47	ng	99
43) 2,4,6-Trichlorophenol	12.804	196	14535	3.17	ng	97

Data Path : Z:\svoasrv\HPCHEM1\BNA_M\Data\BM032921\
 Data File : BM029244.D
 Acq On : 29 Mar 2021 12:29
 Operator : CG/JU
 Sample : M1458-03
 Misc : MDL-SOIL-4PPM
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_M
 ClientSampleId :
 MDL-SOIL-03-QT1-2021

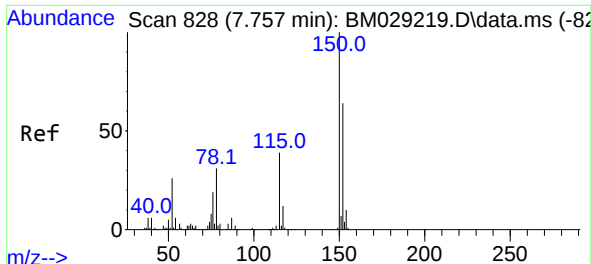
Manual Integrations
 APPROVED

mohammad
 3/30/2021 12:41:28 PM

Quant Time: Mar 29 13:00:24 2021
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_M\Methods\8270-BM032621.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 29 12:59:16 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	12.869	196	17098	3.35	ng	96
46) 1,1'-Biphenyl	13.210	154	82043	4.29	ng	99
47) 2-Chloronaphthalene	13.251	162	62808	4.17	ng	98
48) 2-Nitroaniline	13.451	65	14651	3.32	ng	90
49) Acenaphthylene	14.098	152	86456	3.78	ng	98
50) Dimethylphthalate	13.833	163	73500	4.18	ng	97
51) 2,6-Dinitrotoluene	13.951	165	13120	3.45	ng	86
52) Acenaphthene	14.439	154	60418	4.15	ng	100
53) 3-Nitroaniline	14.280	138	12773	3.32	ng	93
54) 2,4-Dinitrophenol	14.480	184	4089	2.15	ng	88
55) Dibenzofuran	14.774	168	95089	4.15	ng	99
56) 4-Nitrophenol	14.580	139	9488	2.70	ng	90
57) 2,4-Dinitrotoluene	14.733	165	15185	3.04	ng	# 79
58) Fluorene	15.421	166	75755	4.08	ng	99
59) 2,3,4,6-Tetrachlorophenol	14.998	232	14280	3.42	ng	95
60) Diethylphthalate	15.204	149	72421	4.18	ng	98
61) 4-Chlorophenyl-phenyle...	15.421	204	35041	4.09	ng	96
62) 4-Nitroaniline	15.433	138	11885	2.93	ng	92
63) Azobenzene	15.716	77	77704	3.93	ng	97
65) 4,6-Dinitro-2-methylph...	15.498	198	6693	2.24	ng	97
66) n-Nitrosodiphenylamine	15.633	169	63782	3.72	ng	98
67) 4-Bromophenyl-phenylether	16.316	248	17717	3.61	ng	98
68) Hexachlorobenzene	16.427	284	22913	3.97	ng	97
69) Atrazine	16.580	200	17368	3.21	ng	97
70) Pentachlorophenol	16.763	266	9771	2.75	ng	93
71) Phenanthrene	17.157	178	127314	4.10	ng	99
72) Anthracene	17.245	178	114507	3.80	ng	99
73) Carbazole	17.515	167	104682	3.53	ng	98
74) Di-n-butylphthalate	18.086	149	100386	3.51	ng	98
75) Fluoranthene	19.168	202	130859	3.82	ng	98
77) Benzidine	19.356	184	32248	1.94	ng	98
78) Pyrene	19.527	202	141897	3.65	ng	99
80) Butylbenzylphthalate	20.433	149	39217	2.99	ng	90
81) Benzo(a)anthracene	21.268	228	140215	3.74	ng	98
82) 3,3'-Dichlorobenzidine	21.203	252	39922	3.56	ng	95
83) Chrysene	21.321	228	145238	3.87	ng	97
84) Bis(2-ethylhexyl)phtha...	21.209	149	61899	3.28	ng	98
85) Di-n-octyl phthalate	22.086	149	95356	3.12	ng	97
87) Indeno(1,2,3-cd)pyrene	25.774	276	182008	4.16	ng	99
88) Benzo(b)fluoranthene	22.845	252	152880	3.93	ng	98
89) Benzo(k)fluoranthene	22.886	252	142888	3.78	ng	99
90) Benzo(a)pyrene	23.415	252	133152	3.78	ng	# 95
91) Dibenzo(a,h)anthracene	25.785	278	149656	4.00	ng	99
92) Benzo(g,h,i)perylene	26.456	276	147406	4.02	ng	100

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



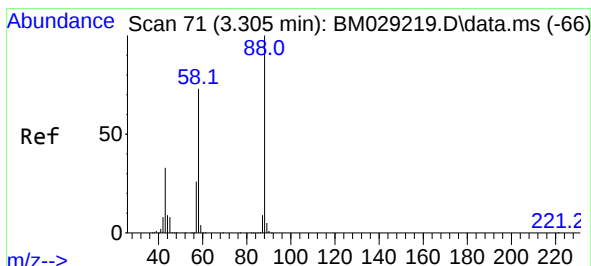
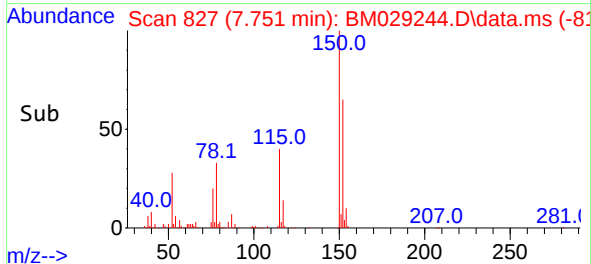
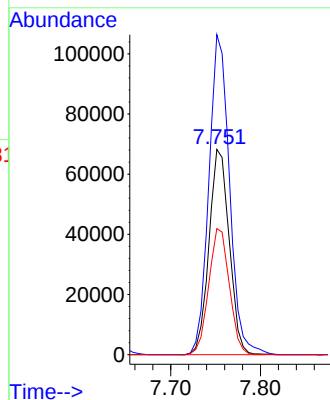
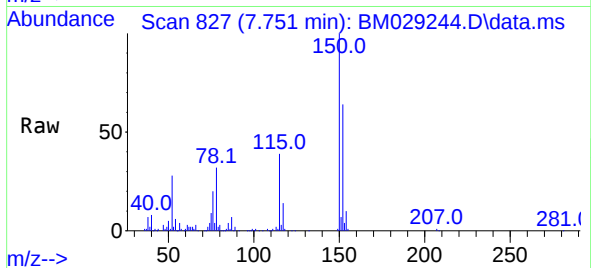
#1
1,4-Dichlorobenzene-d4
Concen: 20.00 ng
RT: 7.751 min Scan# 827
Delta R.T. -0.001 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:152 Resp: 106821
Ion Ratio Lower Upper
152 100
150 155.8 124.3 186.5
115 61.4 46.4 69.6

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

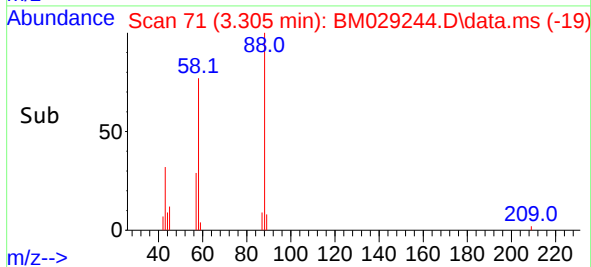
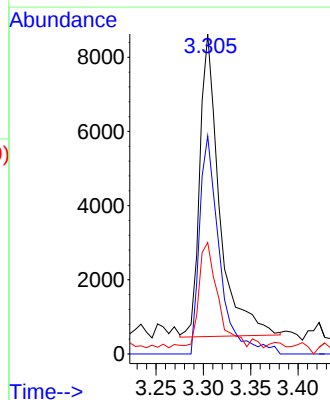
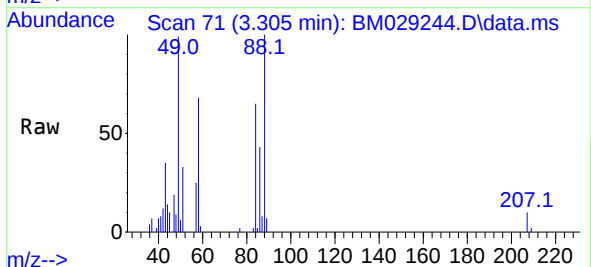
Manual Integrations
APPROVED

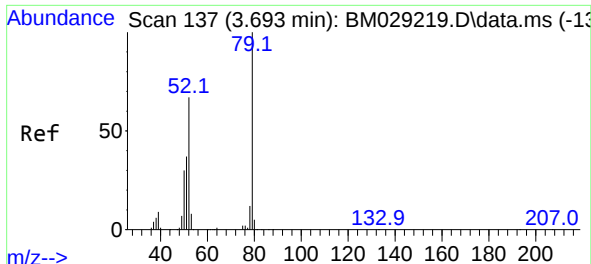
mohammad
3/30/2021 12:41:28 PM



#2
1,4-Dioxane
Concen: 4.20 ng
RT: 3.305 min Scan# 71
Delta R.T. 0.006 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

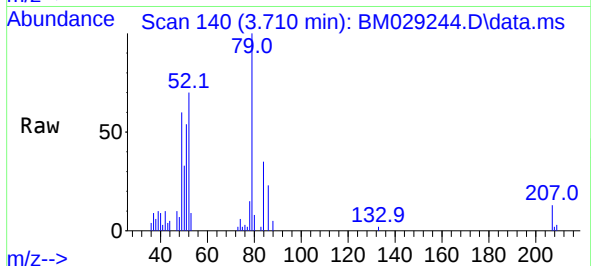
Tgt Ion: 88 Resp: 11825
Ion Ratio Lower Upper
88 100
58 73.1 59.9 89.9
43 32.6 26.2 39.4





#3
Pyridine
Concen: 3.91 ng
RT: 3.710 min Scan# 140
Delta R.T. 0.017 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

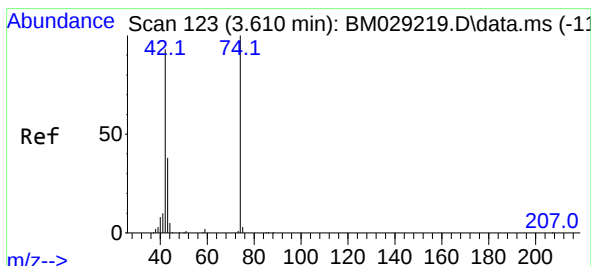
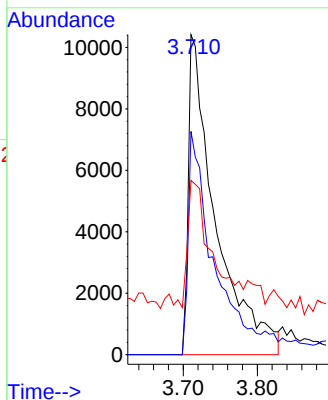
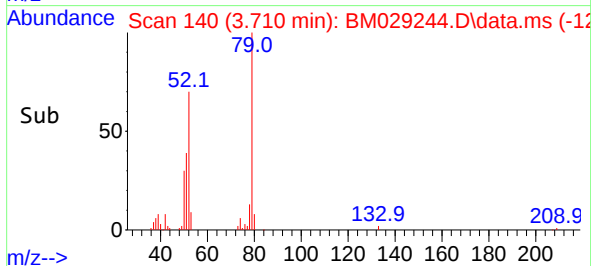
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021



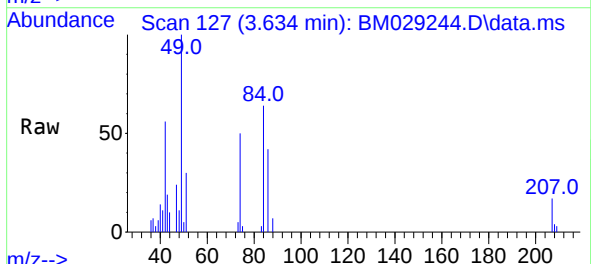
Tgt Ion: 79 Resp: 26556
Ion Ratio Lower Upper
79 100
52 69.7 53.2 79.8
51 54.4 29.8 44.8#

Manual Integrations
APPROVED

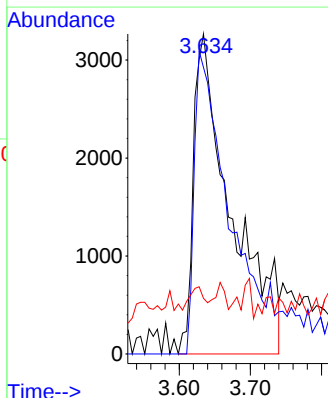
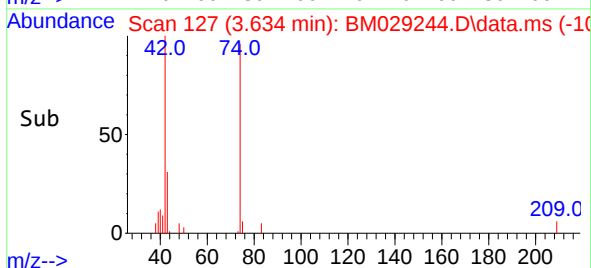
mohammad
3/30/2021 12:41:28 PM

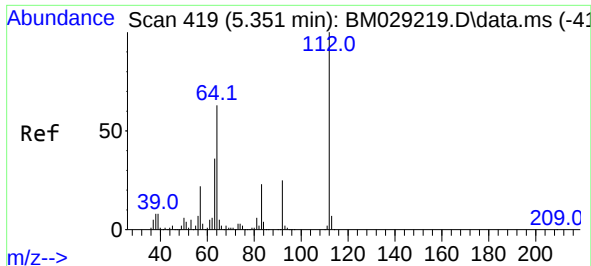


#4
n-Nitrosodimethylamine
Concen: 3.96 ng m
RT: 3.634 min Scan# 127
Delta R.T. 0.029 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29



Tgt Ion: 42 Resp: 12057
Ion Ratio Lower Upper
42 100
74 89.5 80.6 121.0
44 17.4 5.4 8.0#





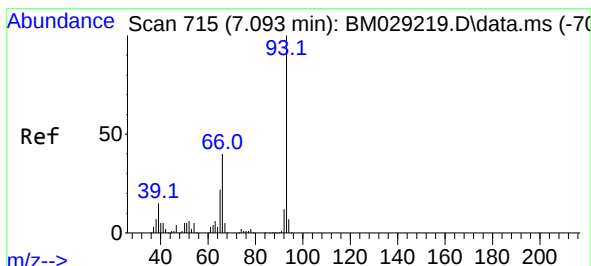
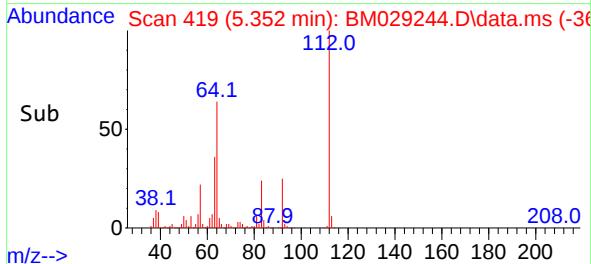
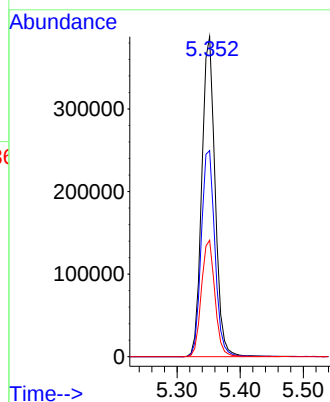
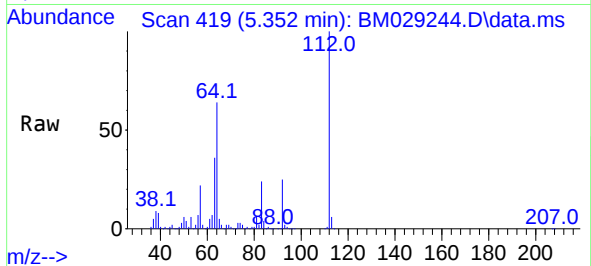
#5
2-Fluorophenol
Concen: 91.52 ng
RT: 5.352 min Scan# 419
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

Tgt Ion:	112	Resp:	567166
Ion Ratio	Lower	Upper	
112	100		
64	64.4	51.6	77.4
63	36.4	29.0	43.4

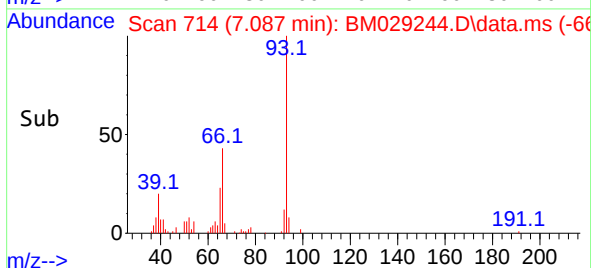
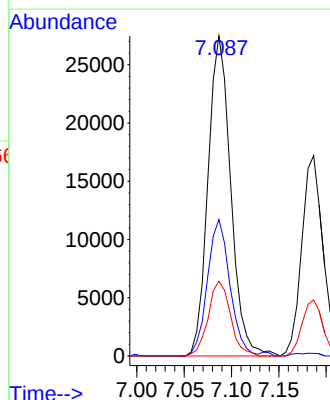
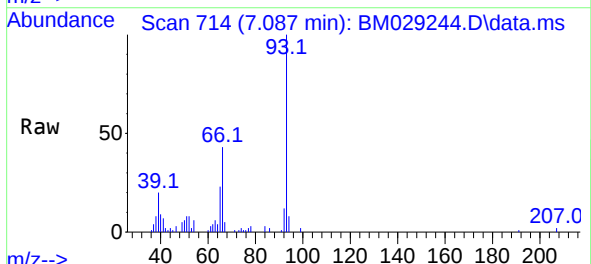
Manual Integrations
APPROVED

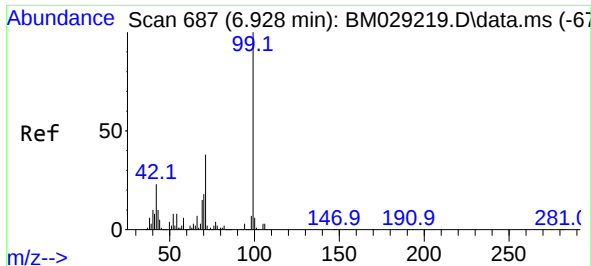
mohammad
3/30/2021 12:41:28 PM



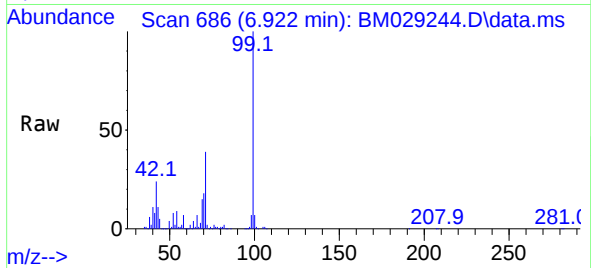
#6
Aniline
Concen: 4.77 ng
RT: 7.087 min Scan# 714
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:	93	Resp:	45929
Ion Ratio	Lower	Upper	
93	100		
66	42.6	33.2	49.8
65	23.4	17.8	26.6

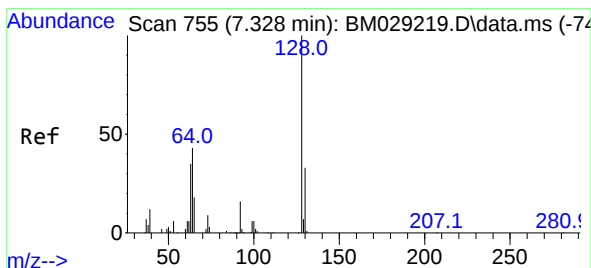
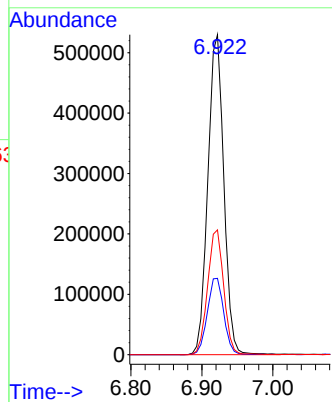
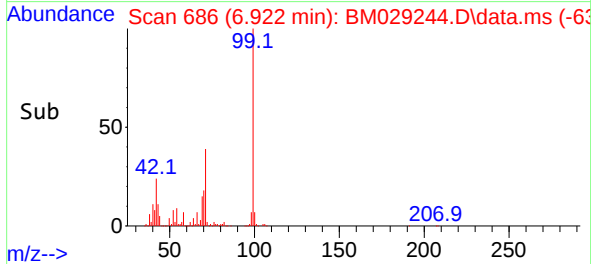




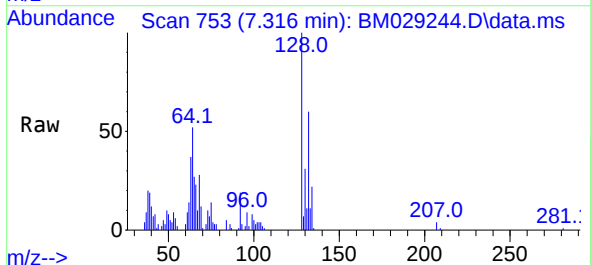
#7
Phenol-d6
Concen: 93.30 ng
RT: 6.922 min Scan# 686
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29



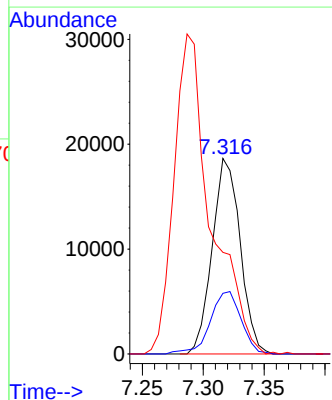
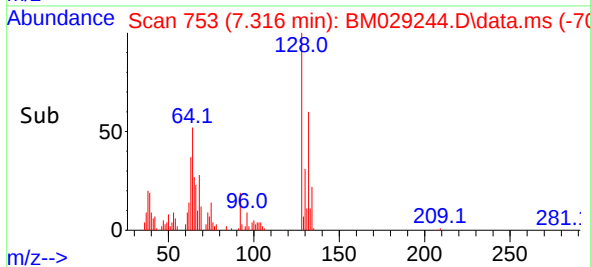
Tgt Ion: 99 Resp: 829667
Ion Ratio Lower Upper
99 100
42 23.9 18.5 27.7
71 39.0 31.8 47.6



#8
2-Chlorophenol
Concen: 4.26 ng
RT: 7.316 min Scan# 753
Delta R.T. -0.006 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29



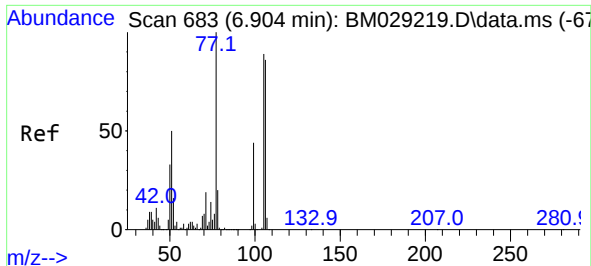
Tgt Ion: 128 Resp: 29818
Ion Ratio Lower Upper
128 100
130 31.1 13.1 53.1
64 52.0 30.9 70.9



Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

Manual Integrations
APPROVED

mohammad
3/30/2021 12:41:28 PM



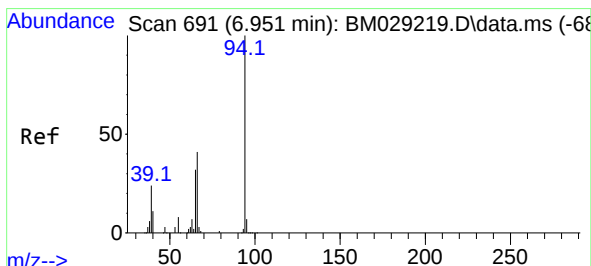
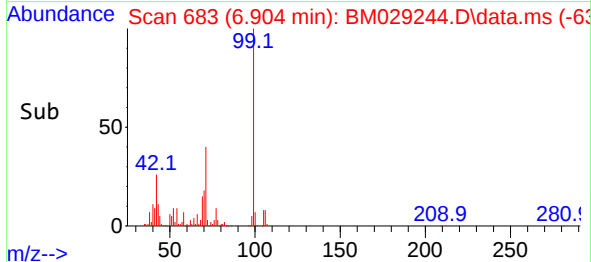
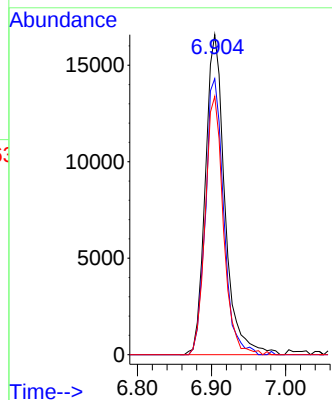
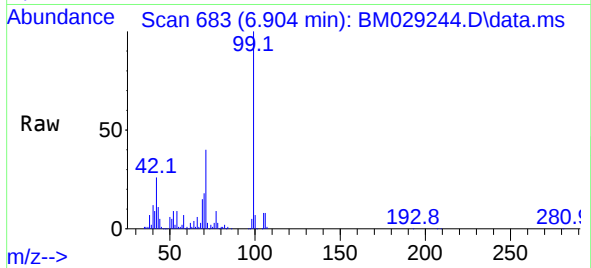
#9
Benzaldehyde
Concen: 5.42 ng
RT: 6.904 min Scan# 683
Delta R.T. 0.006 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion: 77 Resp: 30275
Ion Ratio Lower Upper
77 100
105 86.3 71.4 111.4
106 80.7 66.5 106.5

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

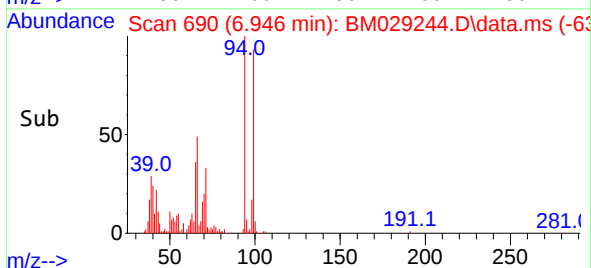
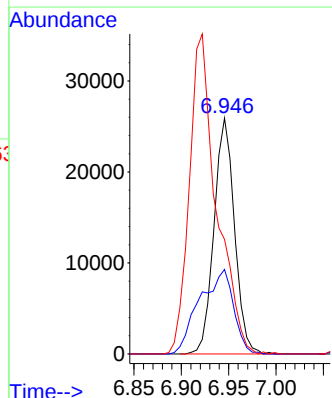
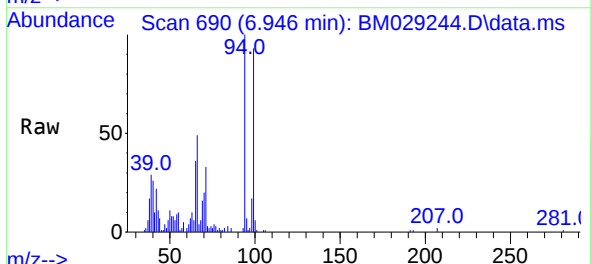
Manual Integrations
APPROVED

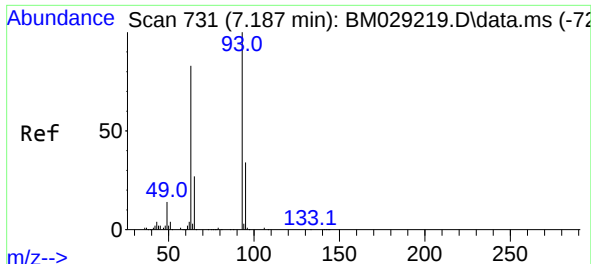
mohammad
3/30/2021 12:41:28 PM



#10
Phenol
Concen: 4.44 ng
RT: 6.946 min Scan# 690
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion: 94 Resp: 39025
Ion Ratio Lower Upper
94 100
65 35.8 13.0 53.0
66 48.6 24.1 64.1





#11
bis(2-Chloroethyl)ether
Concen: 4.53 ng
RT: 7.187 min Scan# 731
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

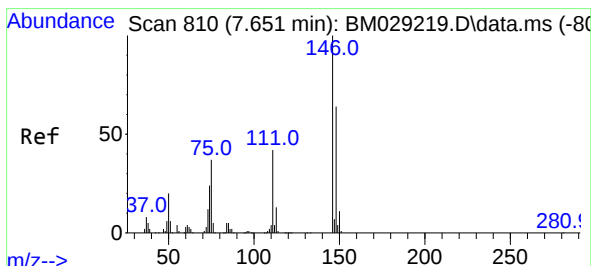
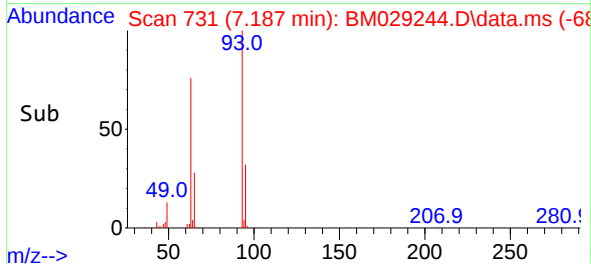
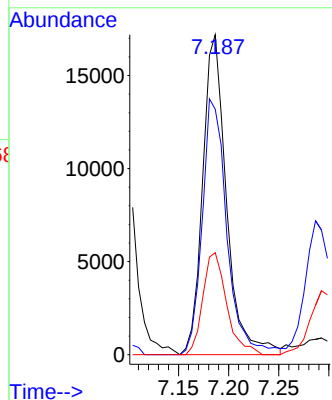
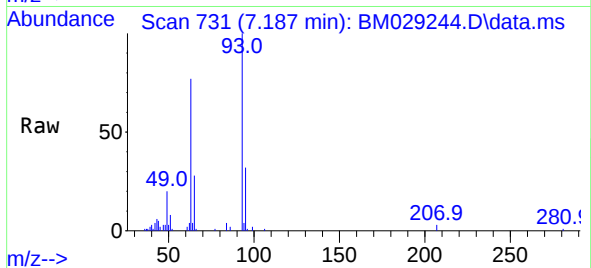
Tgt Ion: 93 Resp: 28487

Ion	Ratio	Lower	Upper
93	100		
63	76.7	63.9	103.9
95	31.9	12.8	52.8

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

Manual Integrations
APPROVED

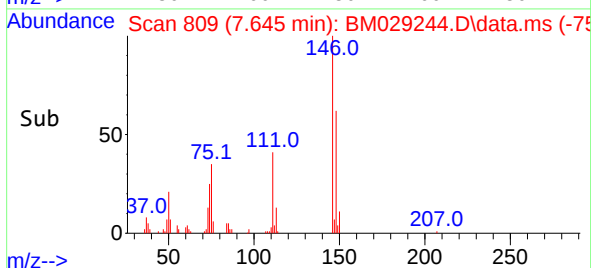
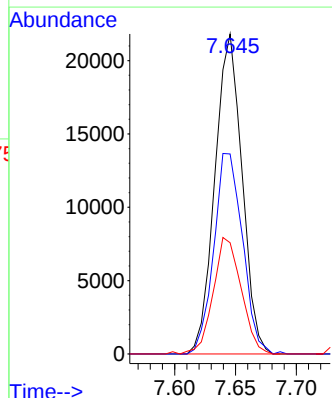
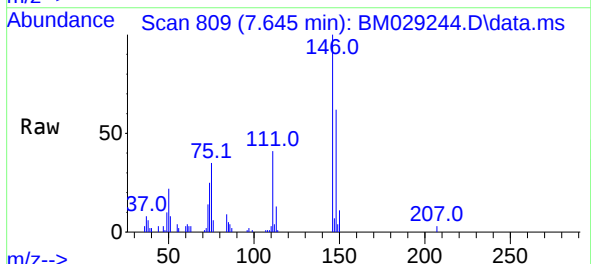
mohammad
3/30/2021 12:41:28 PM

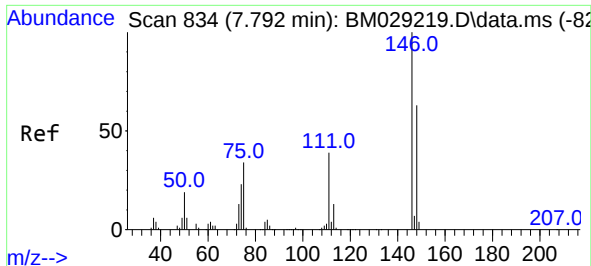


#12
1,3-Dichlorobenzene
Concen: 4.32 ng
RT: 7.645 min Scan# 809
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion: 146 Resp: 33767

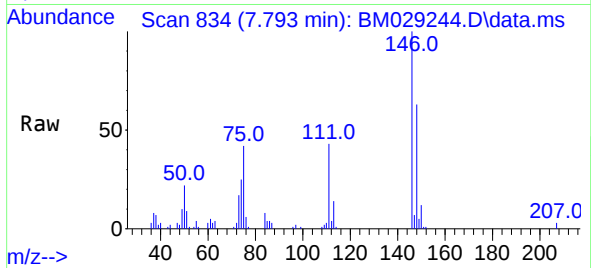
Ion	Ratio	Lower	Upper
146	100		
148	62.5	50.5	75.7
75	34.8	29.7	44.5





#13
1,4-Dichlorobenzene
Concen: 4.29 ng
RT: 7.793 min Scan# 834
Delta R.T. 0.006 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

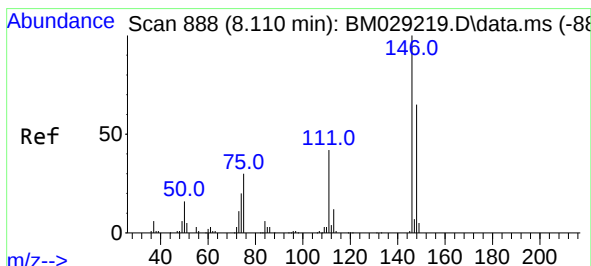
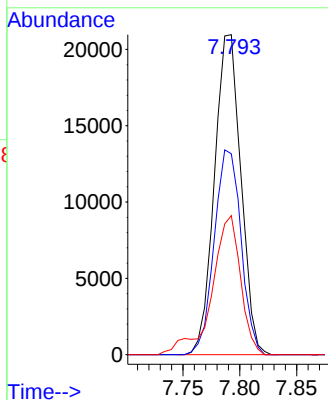
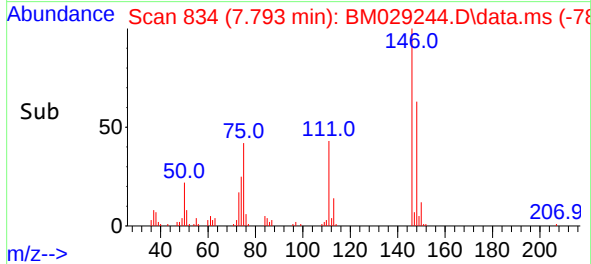
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021



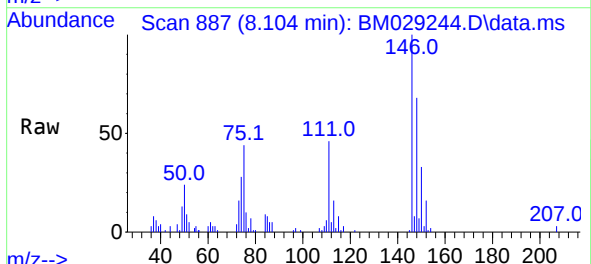
Tgt Ion:146 Resp: 33995
Ion Ratio Lower Upper
146 100
148 62.8 51.8 77.6
111 43.4 32.8 49.2

Manual Integrations
APPROVED

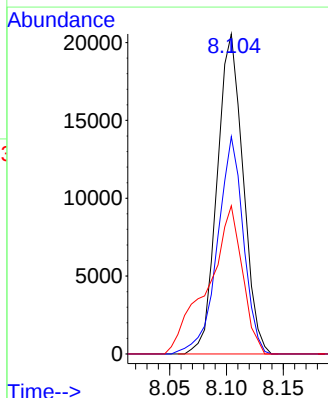
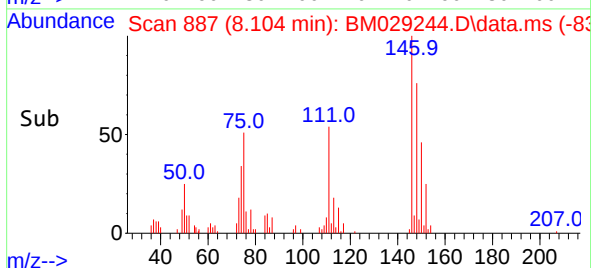
mohammad
3/30/2021 12:41:28 PM

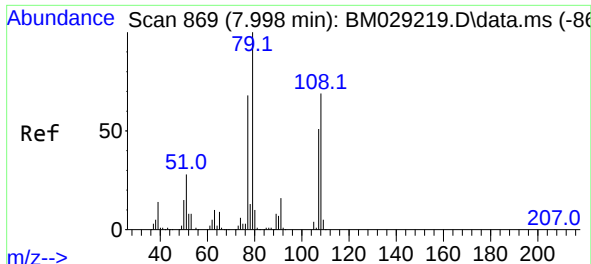


#14
1,2-Dichlorobenzene
Concen: 4.28 ng
RT: 8.104 min Scan# 887
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29



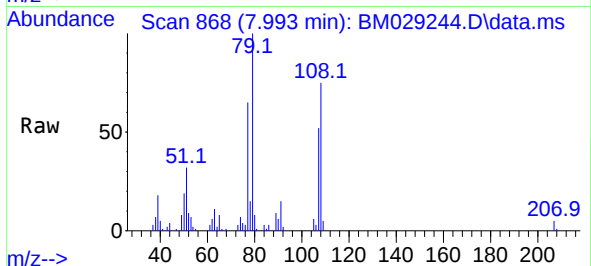
Tgt Ion:146 Resp: 32597
Ion Ratio Lower Upper
146 100
148 67.9 50.2 75.4
111 46.3 35.8 53.8





#15
Benzyl Alcohol
Concen: 4.08 ng
RT: 7.993 min Scan# 868
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

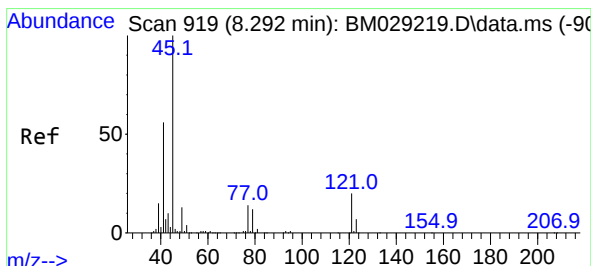
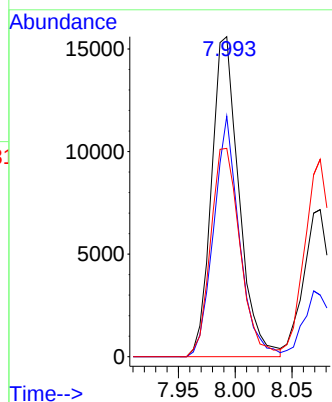
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021



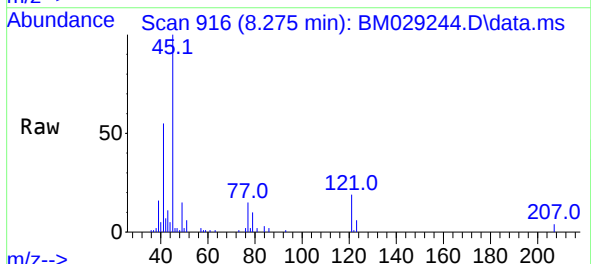
Tgt Ion:	79	Resp:	26217
Ion	Ratio	Lower	Upper
79	100		
108	75.1	56.6	84.8
77	65.1	54.9	82.3

Manual Integrations
APPROVED

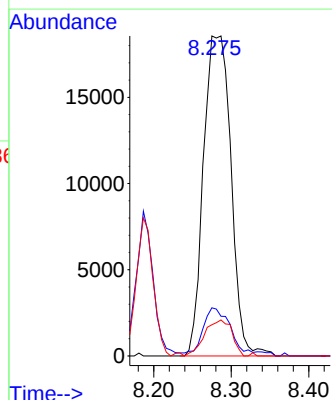
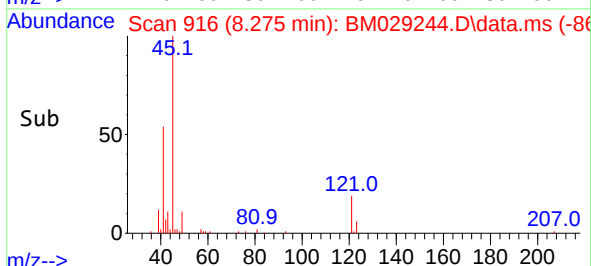
mohammad
3/30/2021 12:41:28 PM

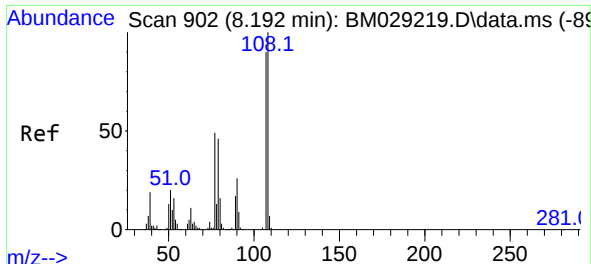


#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.76 ng
RT: 8.275 min Scan# 916
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

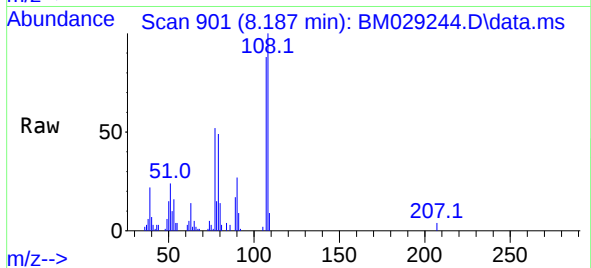


Tgt Ion:	45	Resp:	45856
Ion	Ratio	Lower	Upper
45	100		
77	15.0	0.0	34.5
79	9.7	0.0	30.9

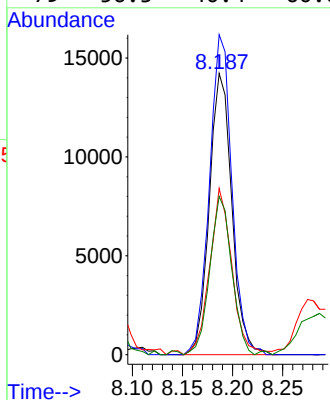




#17
2-Methylphenol
Concen: 3.93 ng
RT: 8.187 min Scan# 901
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29



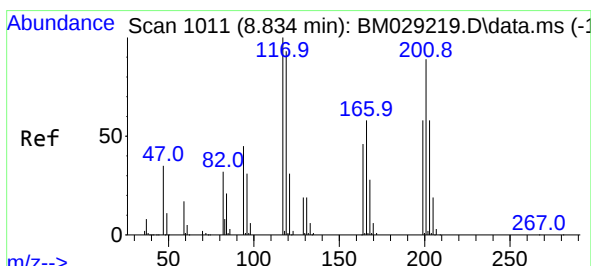
Tgt Ion:	107	Resp:	22214
Ion	Ratio	Lower	Upper
107	100		
108	113.8	89.8	134.6
77	59.1	42.8	64.2
79	56.3	40.4	60.6



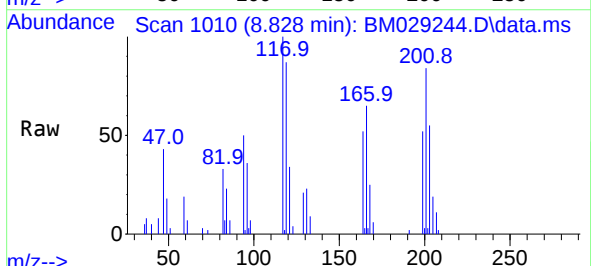
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

Manual Integrations
APPROVED

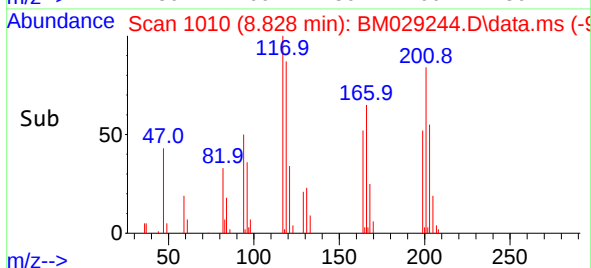
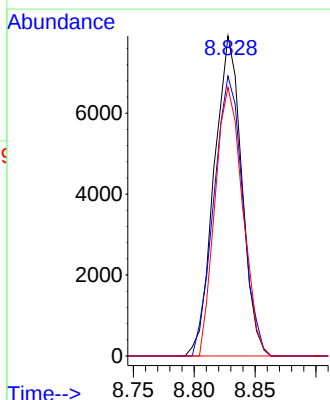
mohammad
3/30/2021 12:41:28 PM

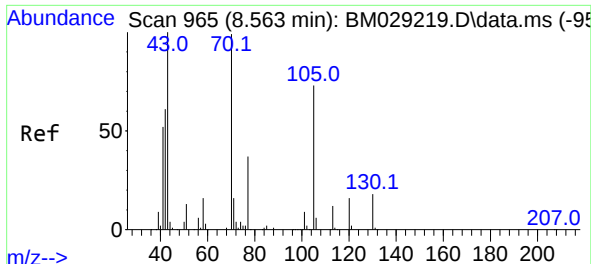


#18
Hexachloroethane
Concen: 4.33 ng
RT: 8.828 min Scan# 1010
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

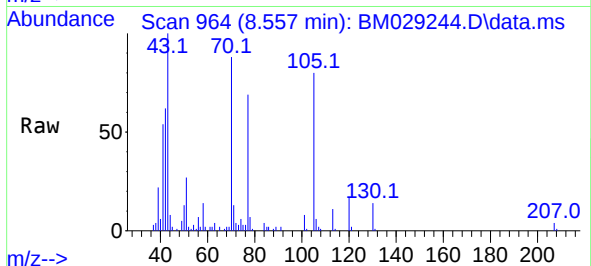


Tgt Ion:	117	Resp:	12481
Ion	Ratio	Lower	Upper
117	100		
119	87.5	75.0	112.6
201	83.9	74.6	111.8

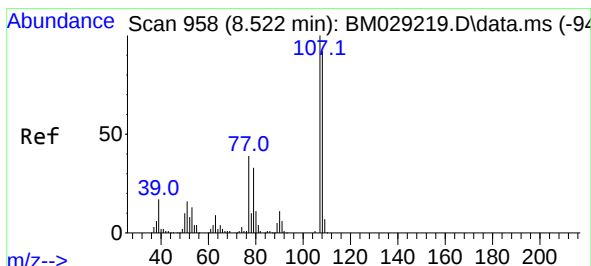
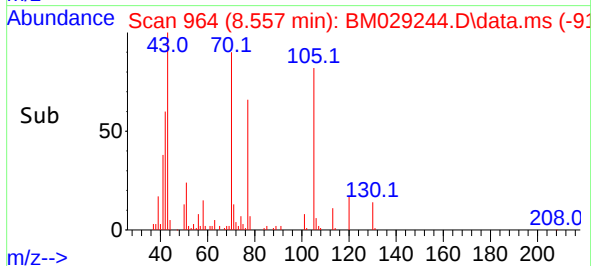
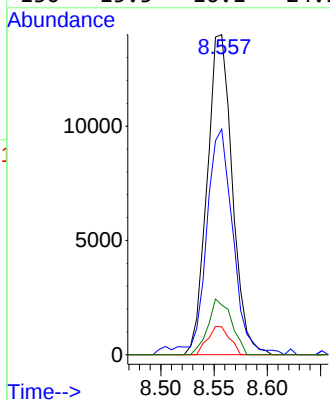




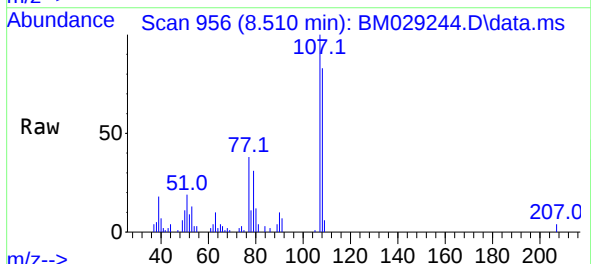
#19
n-Nitroso-di-n-propylamine
Concen: 4.02 ng
RT: 8.557 min Scan# 964
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29



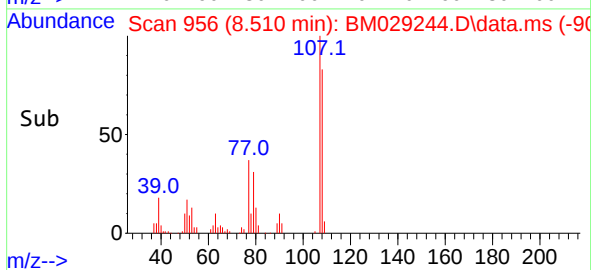
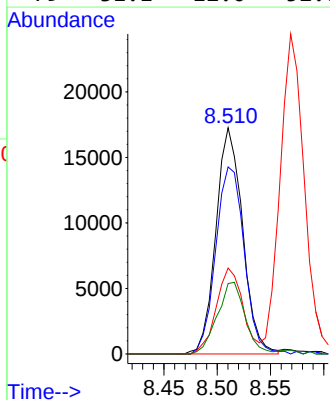
Tgt Ion: 70 Resp: 23064
Ion Ratio Lower Upper
70 100
42 70.5 53.3 79.9
101 8.7 6.7 10.1
130 15.5 16.1 24.1#



#20
3+4-Methylphenols
Concen: 3.99 ng
RT: 8.510 min Scan# 956
Delta R.T. -0.006 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29



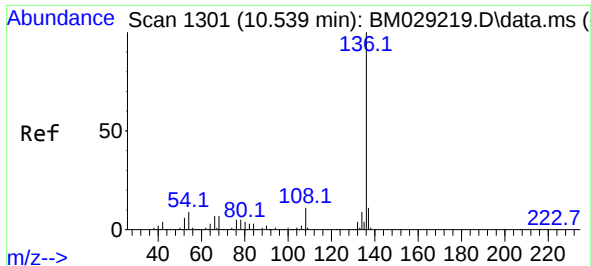
Tgt Ion: 107 Resp: 30127
Ion Ratio Lower Upper
107 100
108 82.7 68.5 108.5
77 38.0 17.0 57.0
79 31.1 12.0 52.0



Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

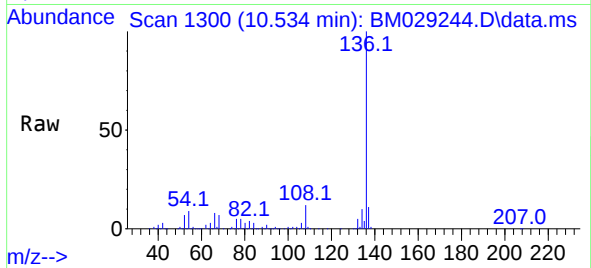
Manual Integrations
APPROVED

mohammad
3/30/2021 12:41:28 PM



#21
Naphthalene-d8
Concen: 20.00 ng
RT: 10.534 min Scan# 1300
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

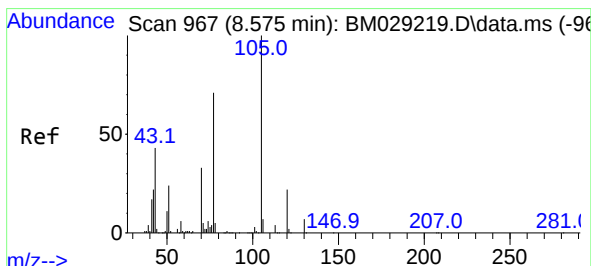
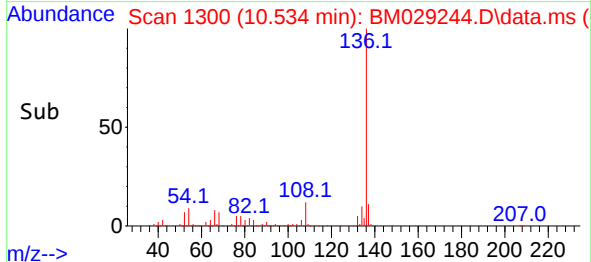
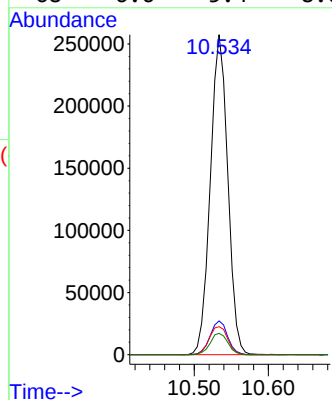
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021



Tgt Ion:136 Resp: 420798
Ion Ratio Lower Upper
136 100
137 10.5 9.3 13.9
54 8.7 6.9 10.3
68 6.6 5.4 8.0

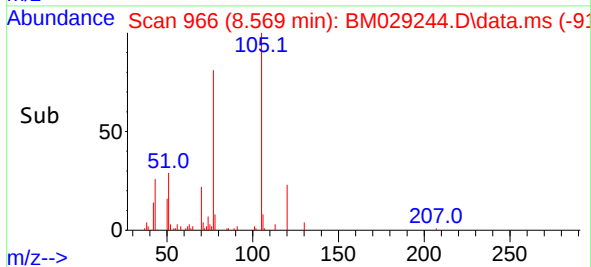
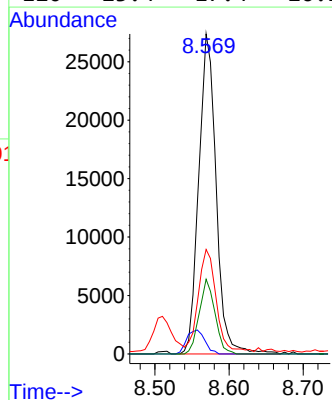
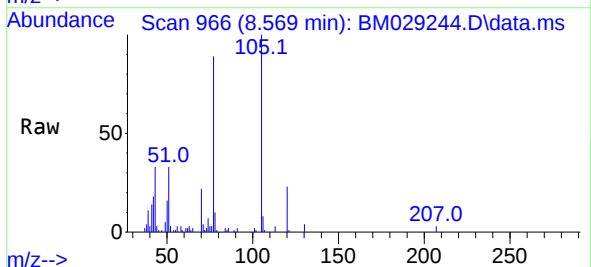
Manual Integrations
APPROVED

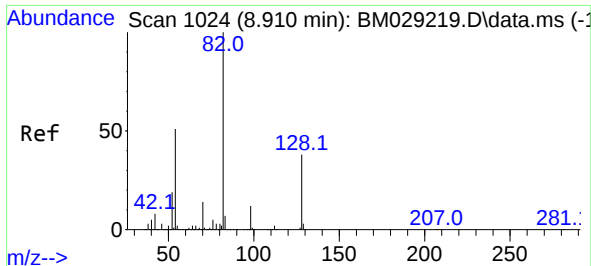
mohammad
3/30/2021 12:41:28 PM



#22
Acetophenone
Concen: 4.24 ng
RT: 8.569 min Scan# 966
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:105 Resp: 44667
Ion Ratio Lower Upper
105 100
71 3.6 2.8 4.2
51 32.7 24.7 37.1
120 23.4 17.4 26.2





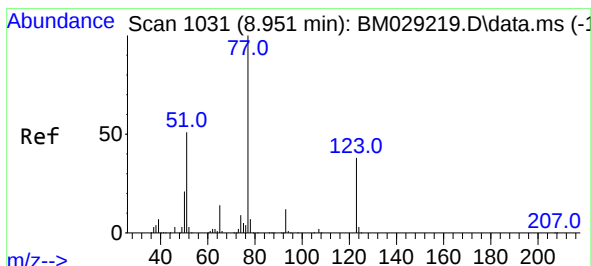
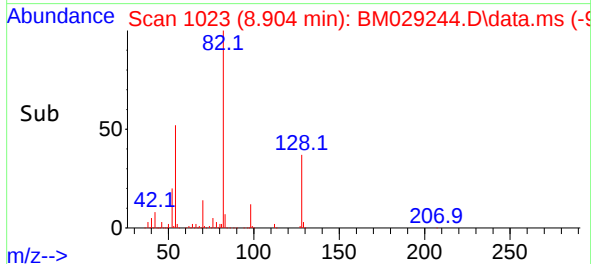
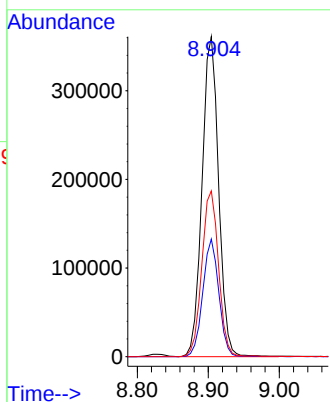
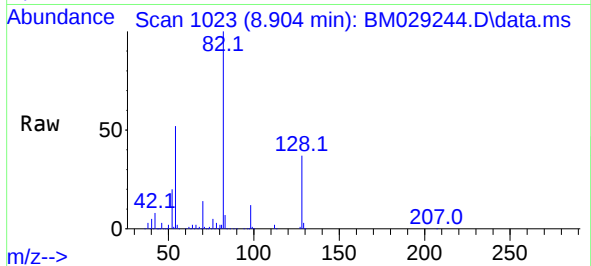
#23
Nitrobenzene-d5
Concen: 67.61 ng
RT: 8.904 min Scan# 1023
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion: 82 Resp: 585998
Ion Ratio Lower Upper
82 100
128 36.7 28.6 42.8
54 51.8 40.7 61.1

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

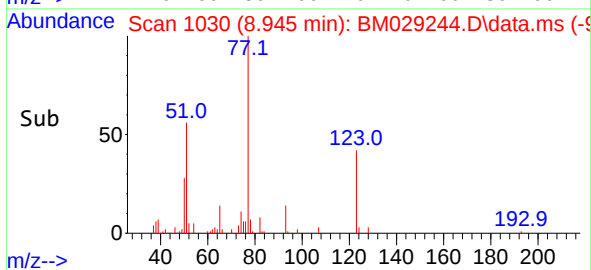
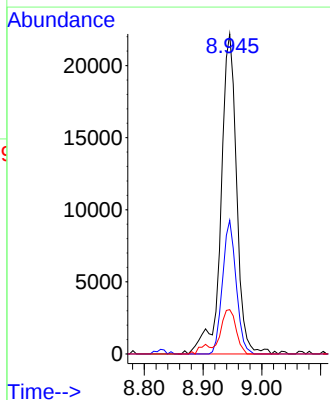
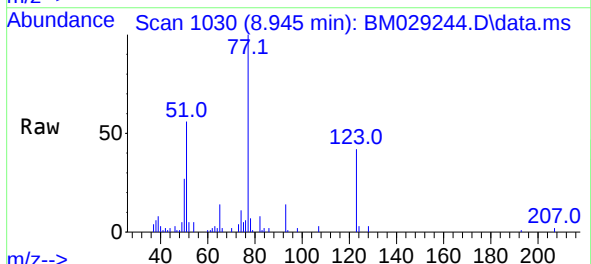
Manual Integrations
APPROVED

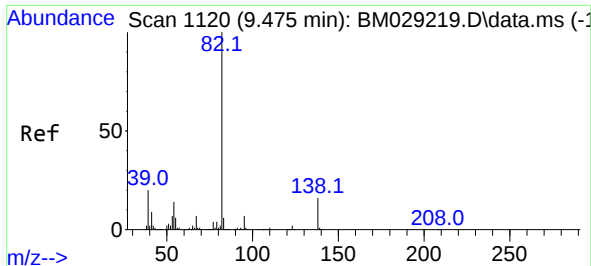
mohammad
3/30/2021 12:41:28 PM



#24
Nitrobenzene
Concen: 4.54 ng
RT: 8.945 min Scan# 1030
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion: 77 Resp: 41094
Ion Ratio Lower Upper
77 100
123 41.8 31.3 46.9
65 13.8 10.8 16.2





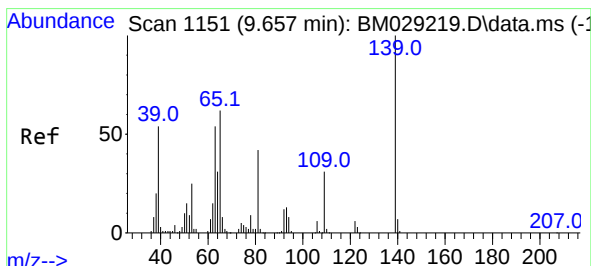
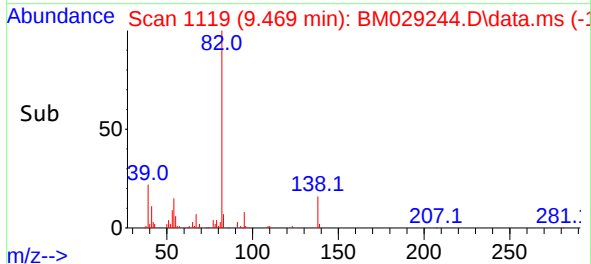
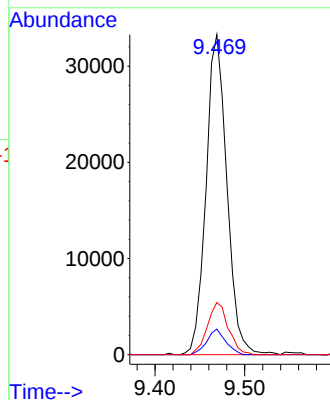
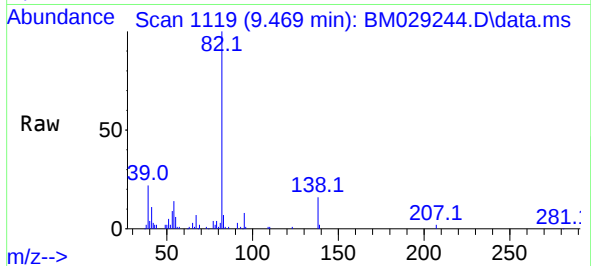
#25
Isophorone
Concen: 3.61 ng
RT: 9.469 min Scan# 1119
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion: 82 Resp: 53698
Ion Ratio Lower Upper
82 100
95 8.0 5.6 8.4
138 16.3 13.3 19.9

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

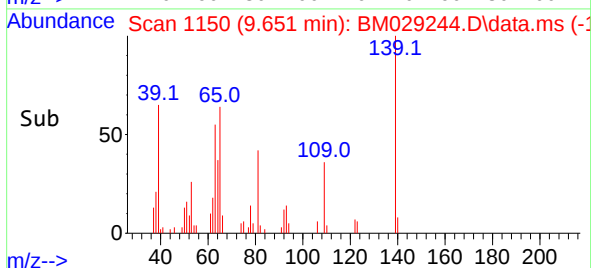
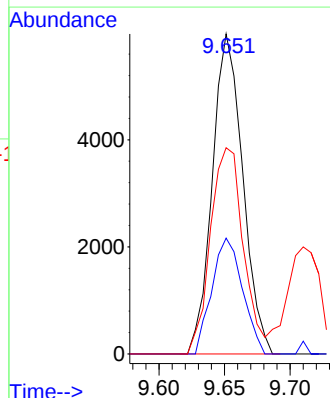
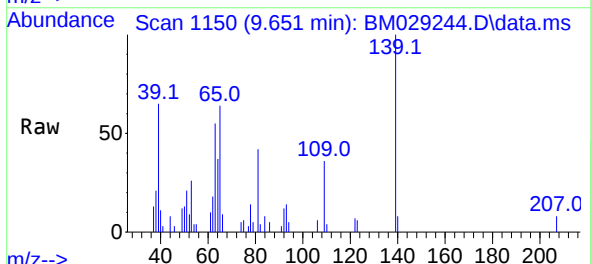
Manual Integrations
APPROVED

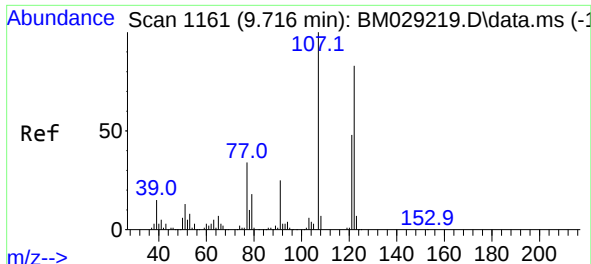
mohammad
3/30/2021 12:41:28 PM



#26
2-Nitrophenol
Concen: 3.20 ng
RT: 9.651 min Scan# 1150
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion: 139 Resp: 9647
Ion Ratio Lower Upper
139 100
109 36.2 26.6 39.8
65 64.4 45.6 68.4





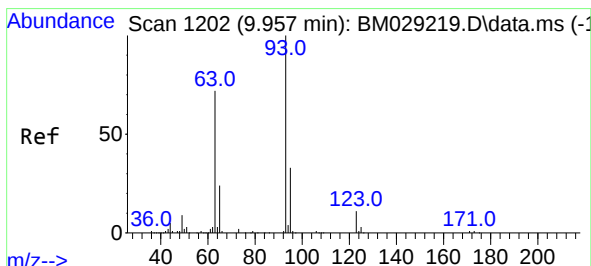
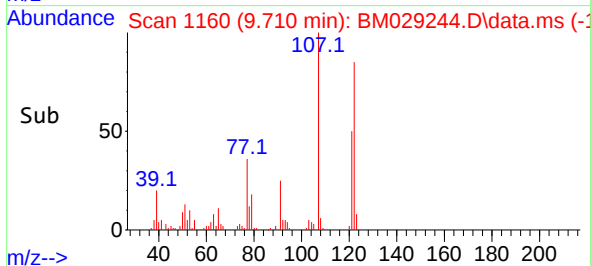
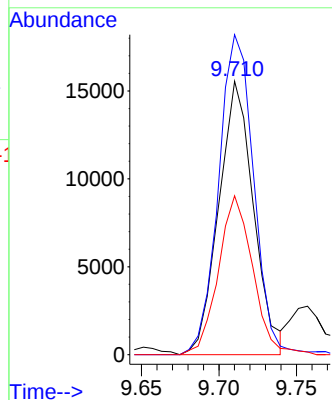
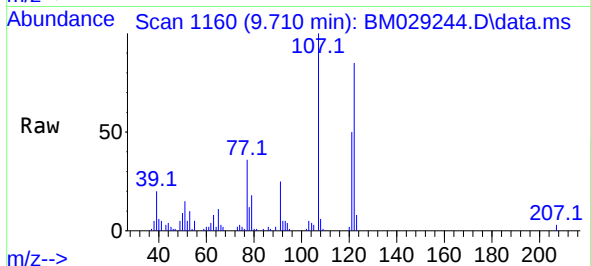
#27
2,4-Dimethylphenol
Concen: 4.19 ng
RT: 9.710 min Scan# 1160
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:	122	Resp:	24246
Ion	Ratio	Lower	Upper
122	100		
107	117.0	95.0	142.6
121	58.1	45.8	68.6

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

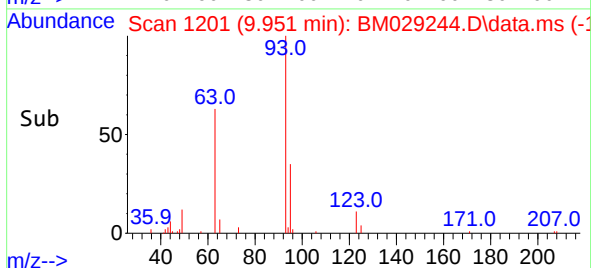
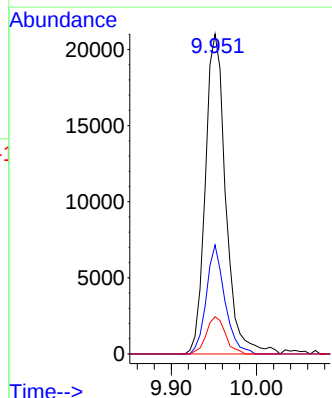
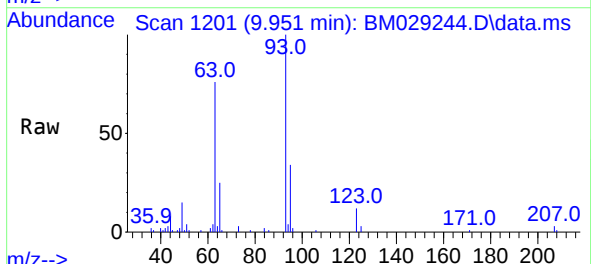
Manual Integrations
APPROVED

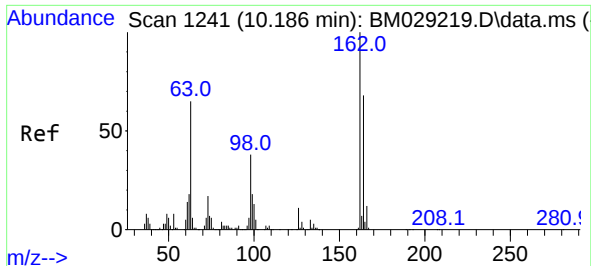
mohammad
3/30/2021 12:41:28 PM



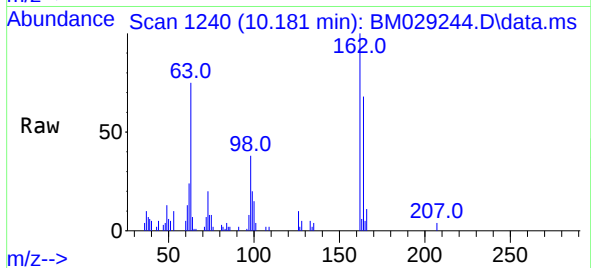
#28
bis(2-Chloroethoxy)methane
Concen: 4.44 ng
RT: 9.951 min Scan# 1201
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:	93	Resp:	34923
Ion	Ratio	Lower	Upper
93	100		
95	34.0	26.6	39.8
123	11.7	8.6	13.0

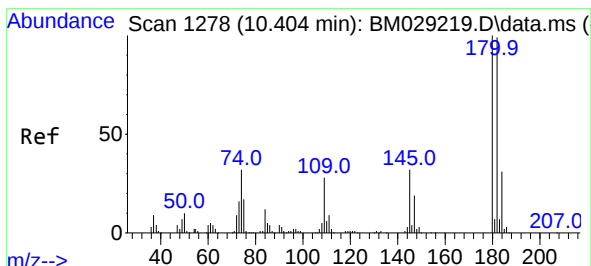
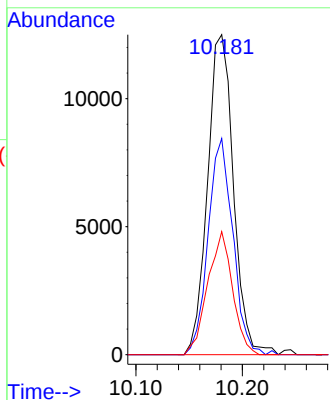
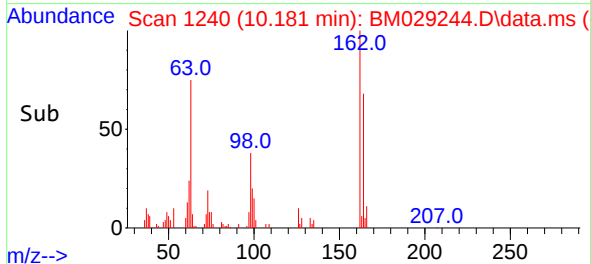




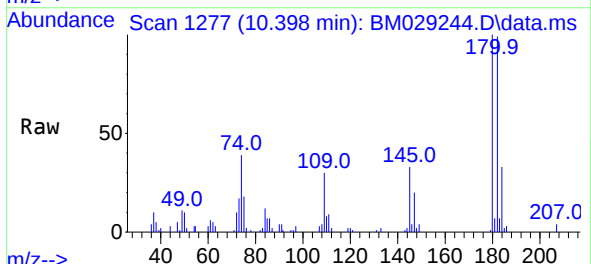
#29
2,4-Dichlorophenol
Concen: 3.36 ng
RT: 10.181 min Scan# 1240
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29



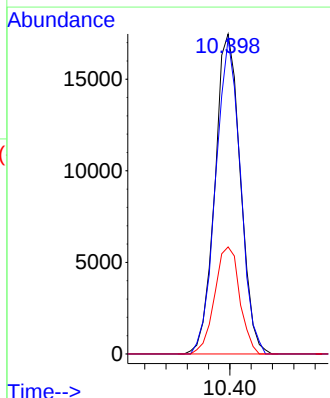
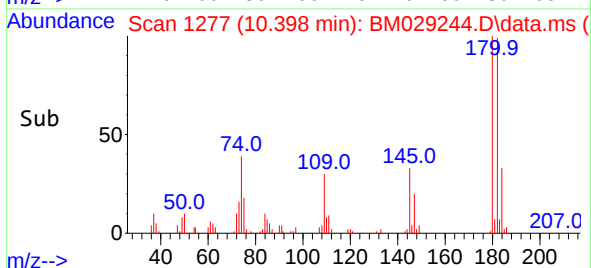
Tgt Ion:162 Resp: 21131
Ion Ratio Lower Upper
162 100
164 67.5 45.7 85.7
98 38.4 16.3 56.3



#30
1,2,4-Trichlorobenzene
Concen: 4.05 ng
RT: 10.398 min Scan# 1277
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29



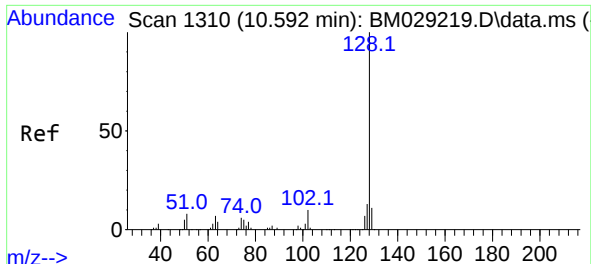
Tgt Ion:180 Resp: 28919
Ion Ratio Lower Upper
180 100
182 98.5 77.0 115.4
145 33.4 25.4 38.2



Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

Manual Integrations
APPROVED

mohammad
3/30/2021 12:41:28 PM



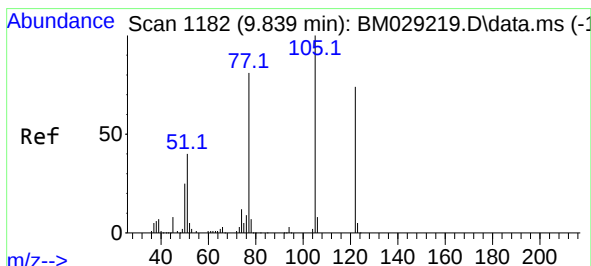
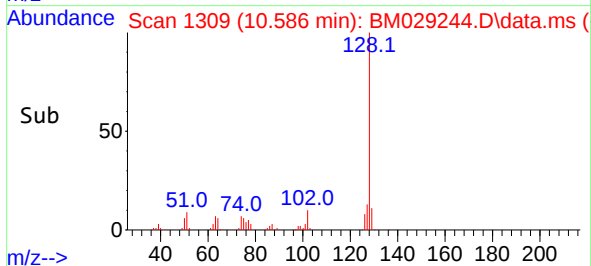
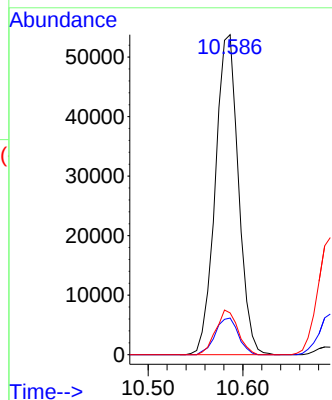
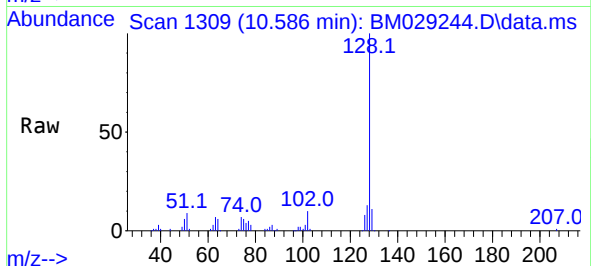
#31
Naphthalene
Concen: 4.11 ng
RT: 10.586 min Scan# 1309
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:	128	Resp:	91189
Ion Ratio	Lower	Upper	
128	100		
129	11.5	9.0	13.6
127	13.1	10.7	16.1

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

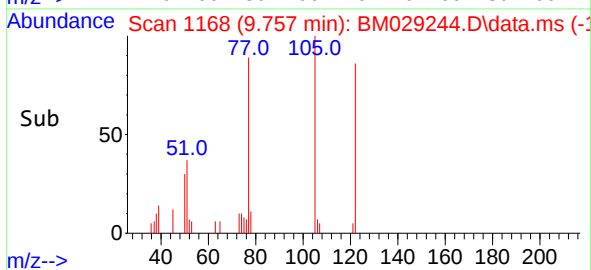
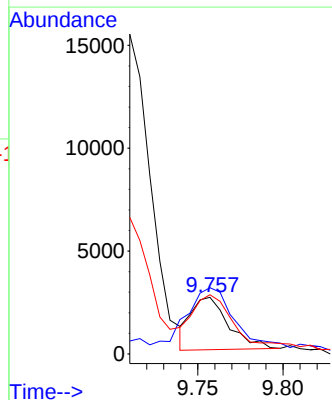
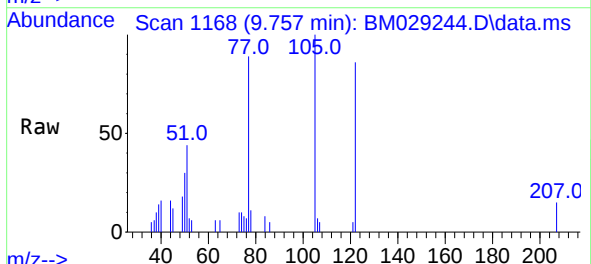
Manual Integrations
APPROVED

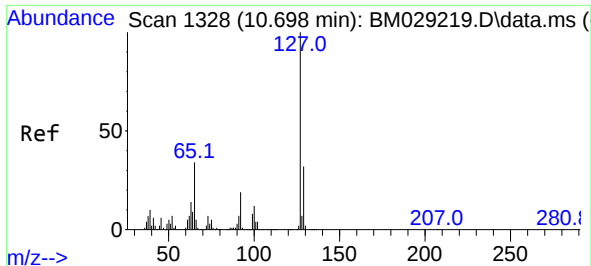
mohammad
3/30/2021 12:41:28 PM



#32
Benzoic acid
Concen: 1.17 ng
RT: 9.757 min Scan# 1168
Delta R.T. -0.071 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:	122	Resp:	3944
Ion Ratio	Lower	Upper	
122	100		
105	116.8	108.2	148.2
77	104.4	86.0	126.0





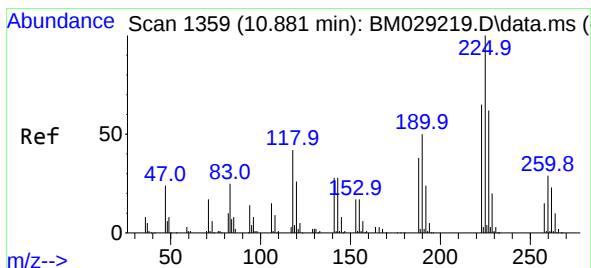
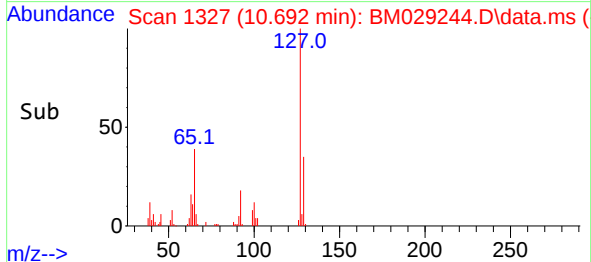
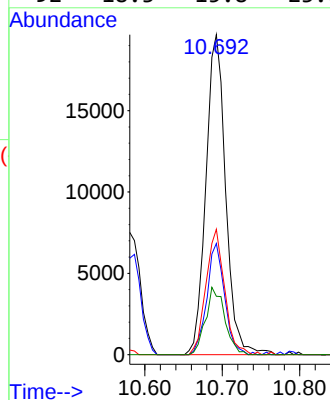
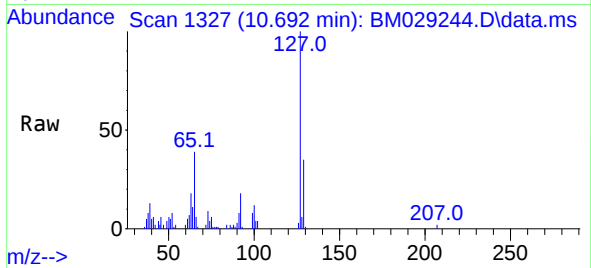
#33
4-Chloroaniline
Concen: 3.97 ng
RT: 10.692 min Scan# 1327
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:	127	Resp:	34837
Ion	Ratio	Lower	Upper
127	100		
129	34.8	25.4	38.0
65	39.2	28.6	42.8
92	18.3	15.8	23.6

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

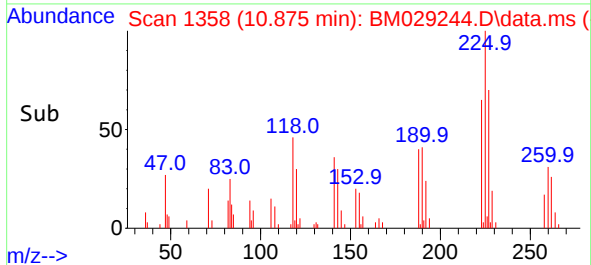
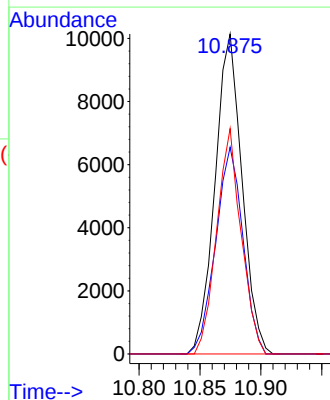
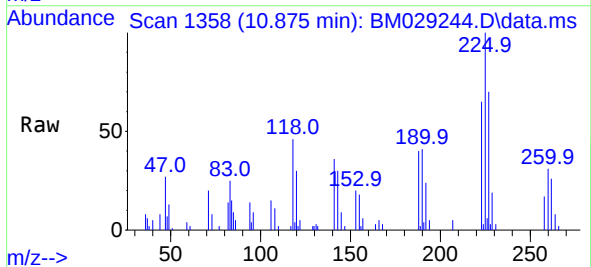
Manual Integrations
APPROVED

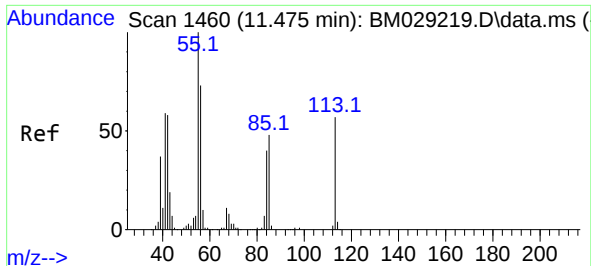
mohammad
3/30/2021 12:41:28 PM



#34
Hexachlorobutadiene
Concen: 3.77 ng
RT: 10.875 min Scan# 1358
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:	225	Resp:	15621
Ion	Ratio	Lower	Upper
225	100		
223	64.6	51.8	77.8
227	70.4	52.2	78.4





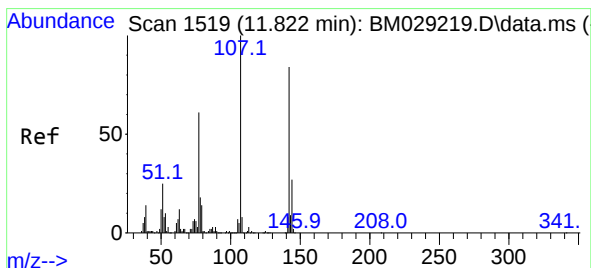
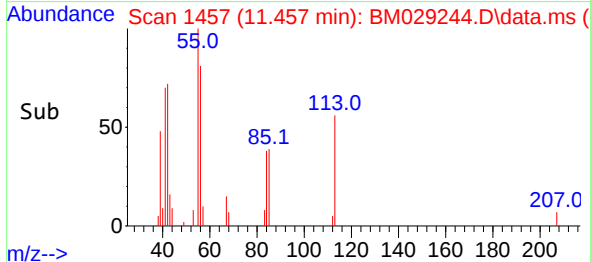
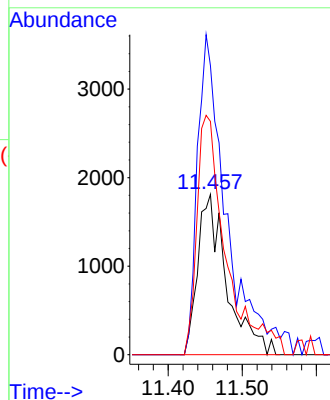
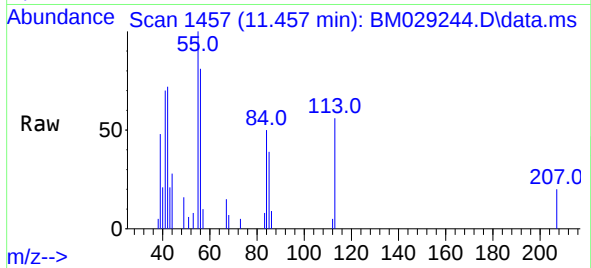
#35
Caprolactam
Concen: 2.59 ng
RT: 11.457 min Scan# 1457
Delta R.T. -0.006 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:	113	Resp:	4953
Ion	Ratio	Lower	Upper
113	100		
55	180.1	149.4	189.4
56	145.4	110.8	150.8

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

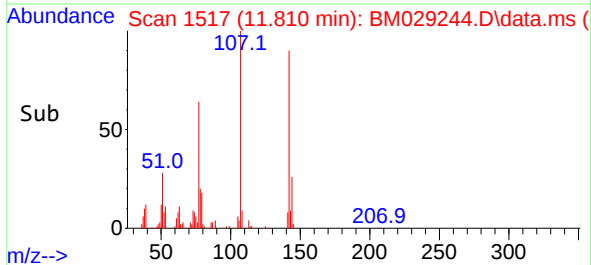
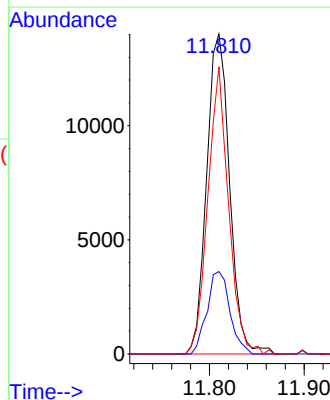
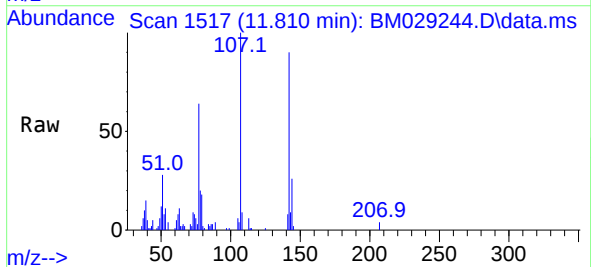
Manual Integrations
APPROVED

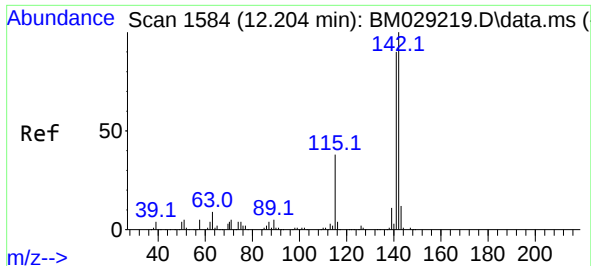
mohammad
3/30/2021 12:41:28 PM



#36
4-Chloro-3-methylphenol
Concen: 3.51 ng
RT: 11.810 min Scan# 1517
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:	107	Resp:	23552
Ion	Ratio	Lower	Upper
107	100		
144	25.7	22.7	34.1
142	89.8	67.0	100.4





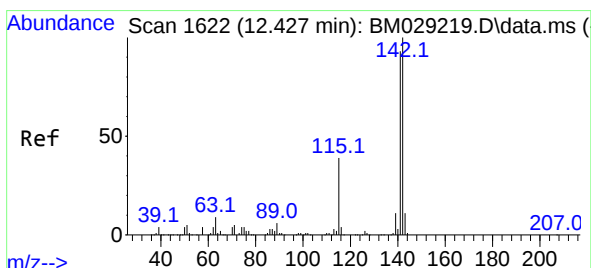
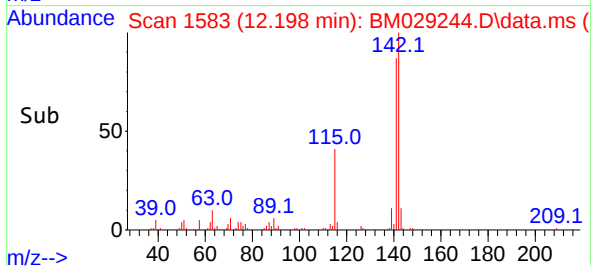
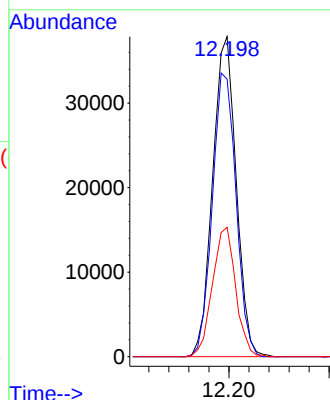
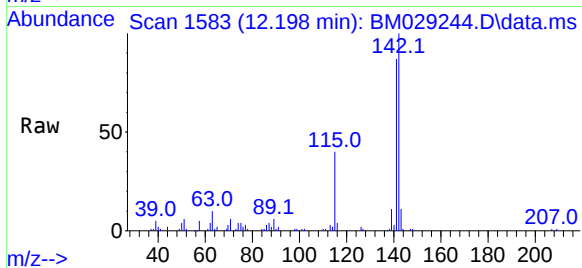
#37
2-Methylnaphthalene
Concen: 3.98 ng
RT: 12.198 min Scan# 1583
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:142	Resp:	61735
Ion Ratio	Lower	Upper
142	100	
141	86.7	72.0 108.0
115	40.5	29.8 44.6

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

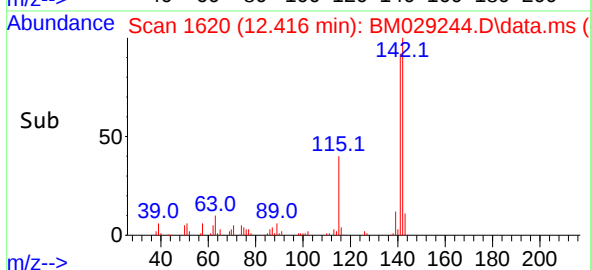
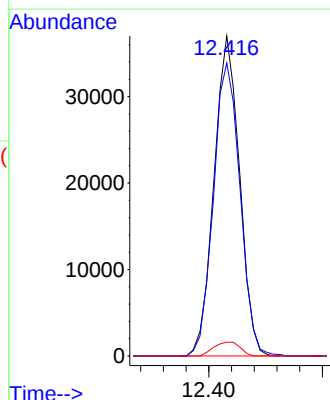
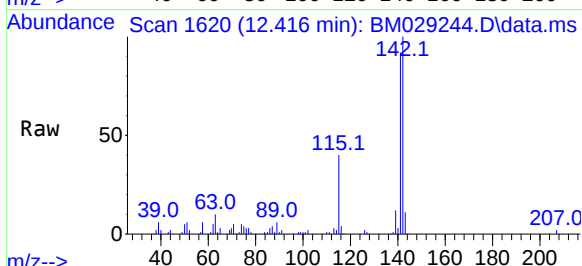
Manual Integrations
APPROVED

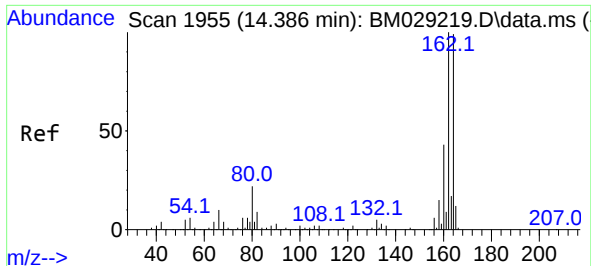
mohammad
3/30/2021 12:41:28 PM



#38
1-Methylnaphthalene
Concen: 3.92 ng
RT: 12.416 min Scan# 1620
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

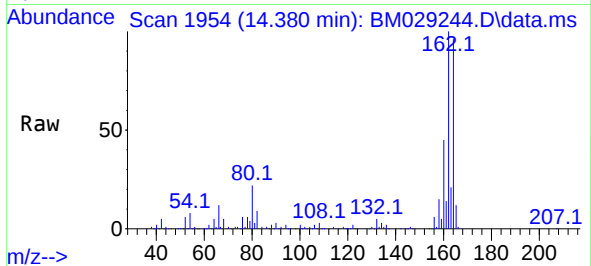
Tgt Ion:142	Resp:	57778
Ion Ratio	Lower	Upper
142	100	
141	91.6	73.5 110.3
116	4.3	3.2 4.8





#39
Acenaphthene-d10
Concen: 20.00 ng
RT: 14.380 min Scan# 1954
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

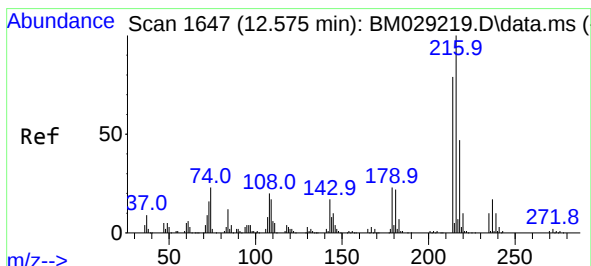
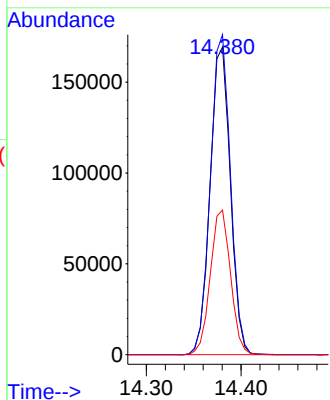
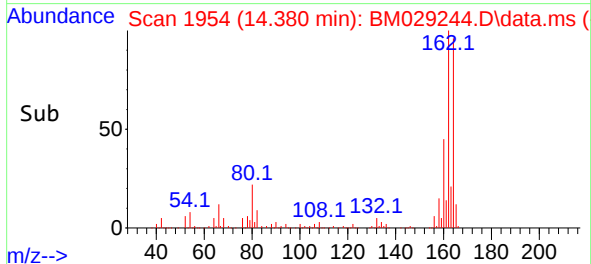
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021



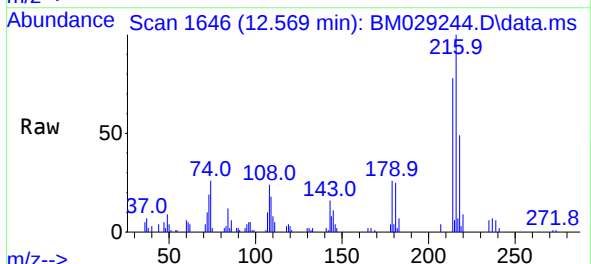
Tgt Ion:164 Resp: 251411
Ion Ratio Lower Upper
164 100
162 104.0 84.4 126.6
160 47.0 36.6 54.8

Manual Integrations
APPROVED

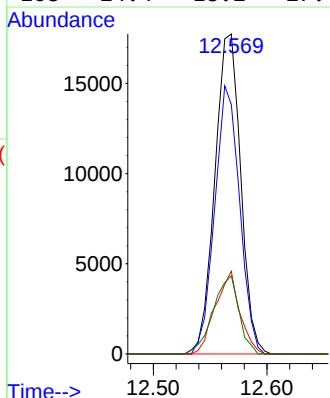
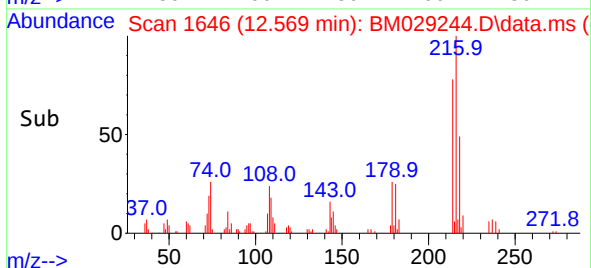
mohammad
3/30/2021 12:41:28 PM

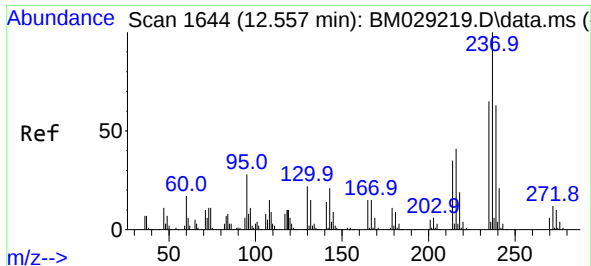


#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.98 ng
RT: 12.569 min Scan# 1646
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

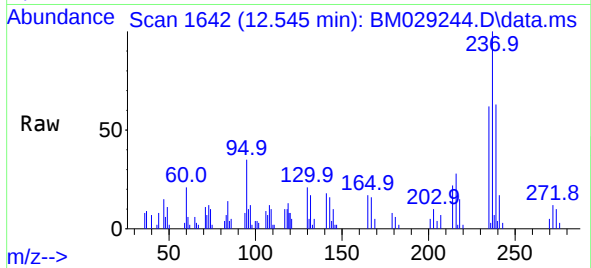


Tgt Ion:216 Resp: 28072
Ion Ratio Lower Upper
216 100
214 80.8 62.3 93.5
179 24.5 18.6 27.8
108 24.4 18.2 27.4

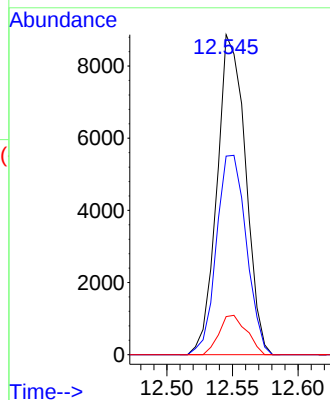
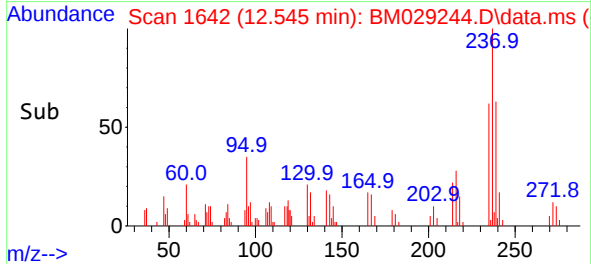




#41
Hexachlorocyclopentadiene
Concen: 3.47 ng
RT: 12.545 min Scan# 1642
Delta R.T. -0.006 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29



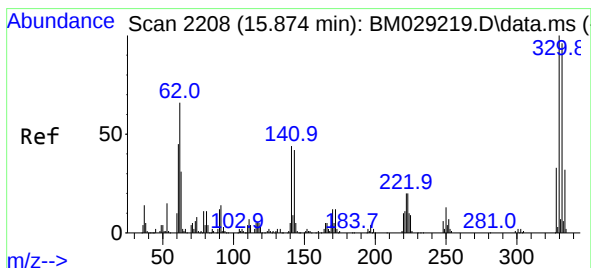
Tgt Ion:237 Resp: 13403
Ion Ratio Lower Upper
237 100
235 62.1 41.8 81.8
272 11.9 0.0 31.1



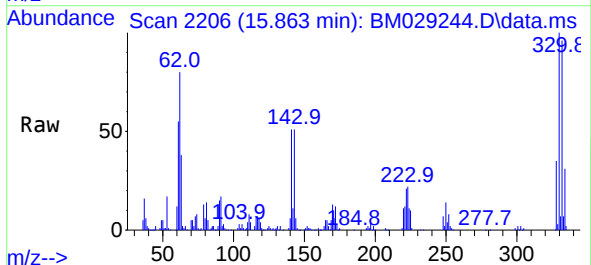
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

Manual Integrations
APPROVED

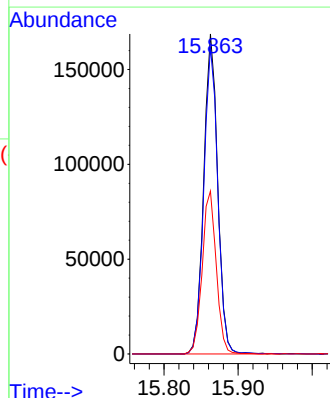
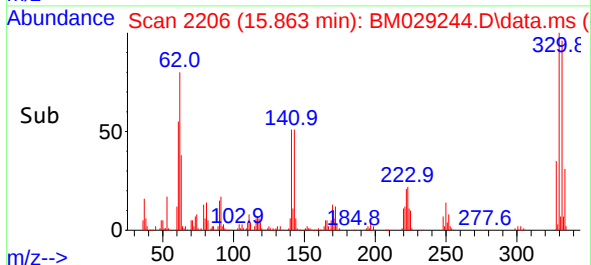
mohammad
3/30/2021 12:41:28 PM

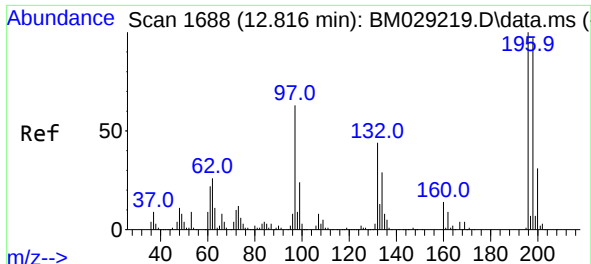


#42
2,4,6-Tribromophenol
Concen: 95.12 ng
RT: 15.863 min Scan# 2206
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29



Tgt Ion:330 Resp: 221458
Ion Ratio Lower Upper
330 100
332 96.4 77.1 115.7
141 51.3 39.2 58.8





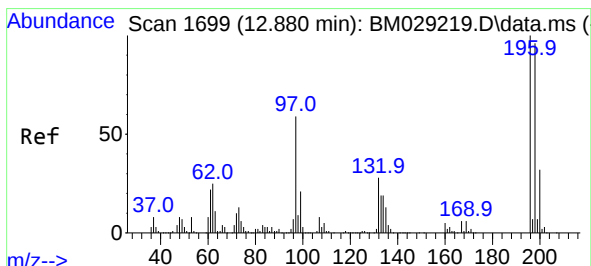
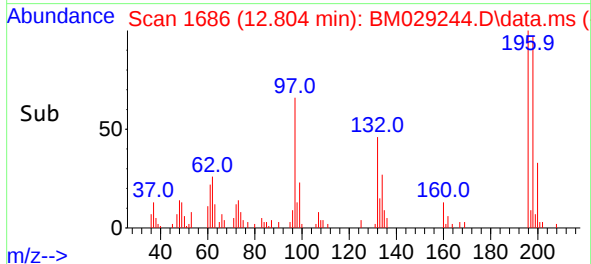
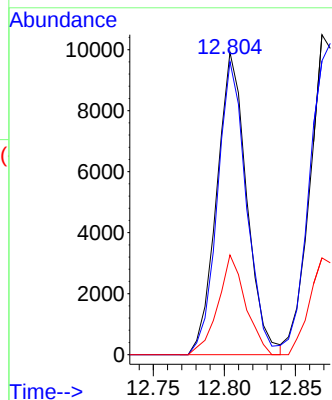
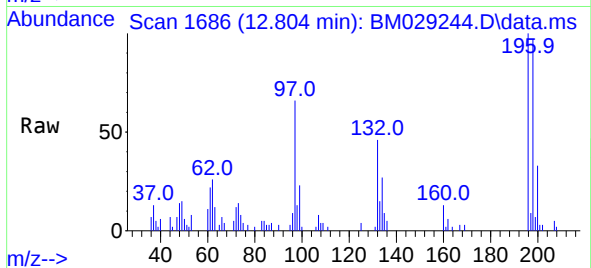
#43
2,4,6-Trichlorophenol
Concen: 3.17 ng
RT: 12.804 min Scan# 1686
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:196 Resp: 14535
Ion Ratio Lower Upper
196 100
198 96.9 75.3 112.9
200 33.0 25.2 37.8

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

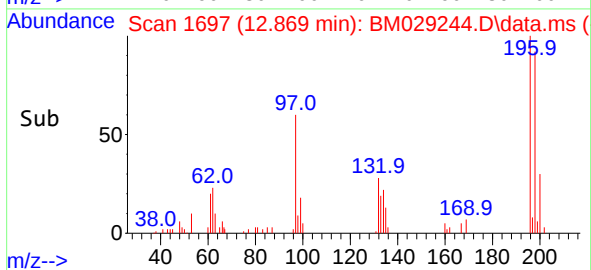
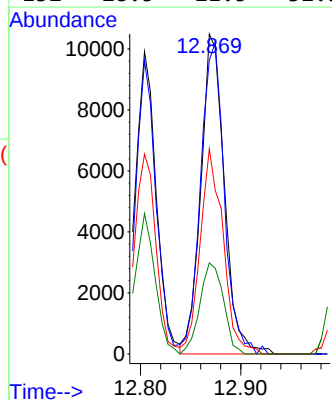
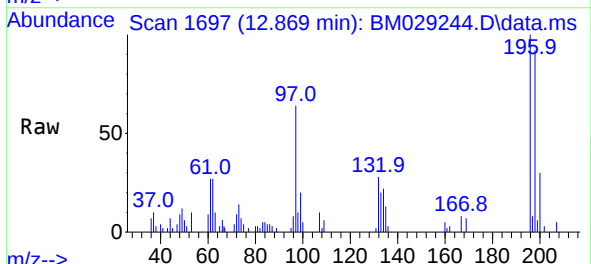
Manual Integrations
APPROVED

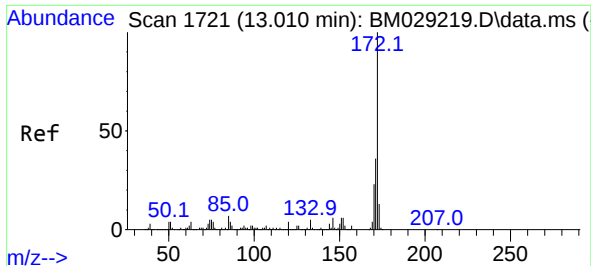
mohammad
3/30/2021 12:41:28 PM



#44
2,4,5-Trichlorophenol
Concen: 3.35 ng
RT: 12.869 min Scan# 1697
Delta R.T. -0.006 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:196 Resp: 17098
Ion Ratio Lower Upper
196 100
198 91.8 74.6 112.0
97 64.1 46.4 69.6
132 28.5 21.5 32.3





#45
2-Fluorobiphenyl
Concen: 66.51 ng
RT: 13.004 min Scan# 1720
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

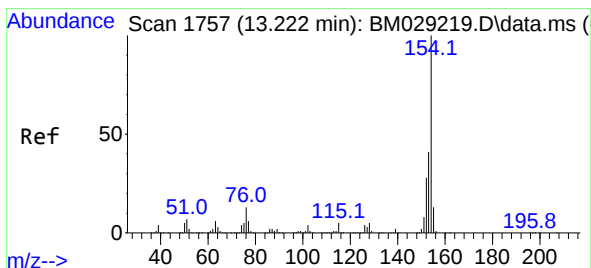
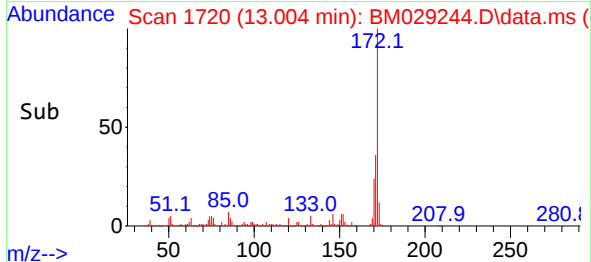
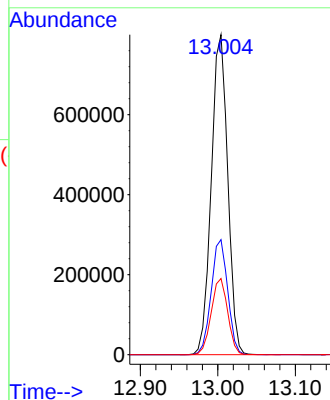
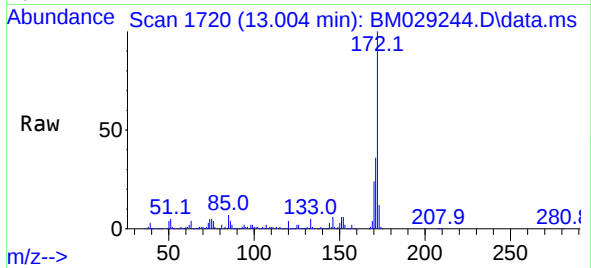
Tgt Ion:172 Resp: 1178822

Ion	Ratio	Lower	Upper
172	100		
171	35.9	28.7	43.1
170	23.8	18.8	28.2

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

Manual Integrations
APPROVED

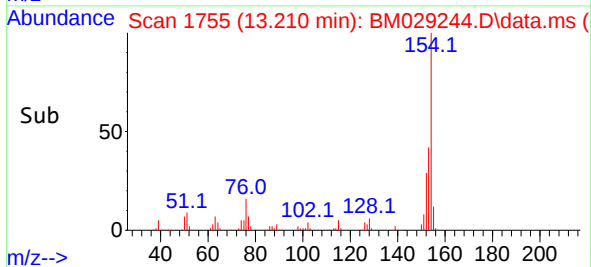
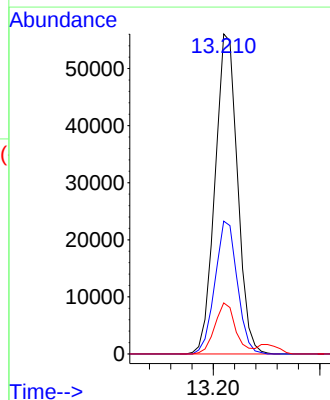
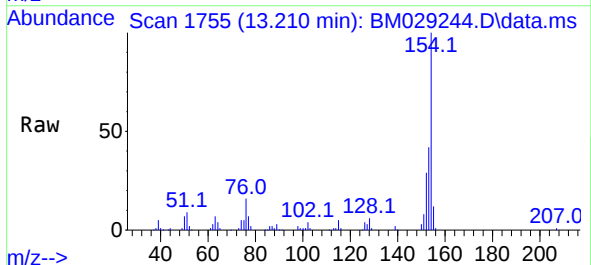
mohammad
3/30/2021 12:41:28 PM

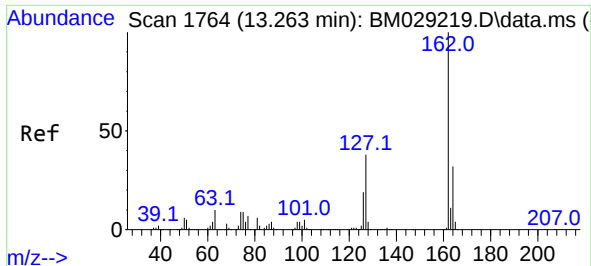


#46
1,1'-Biphenyl
Concen: 4.29 ng
RT: 13.210 min Scan# 1755
Delta R.T. -0.006 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:154 Resp: 82043

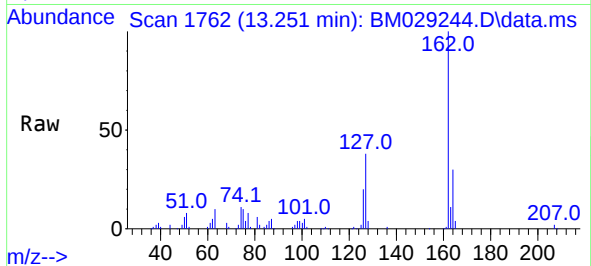
Ion	Ratio	Lower	Upper
154	100		
153	41.5	21.5	61.5
76	16.0	0.0	33.6





#47
2-Chloronaphthalene
Concen: 4.17 ng
RT: 13.251 min Scan# 1762
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

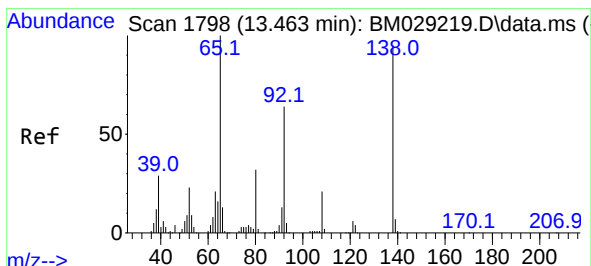
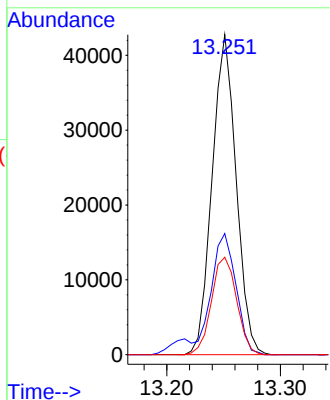
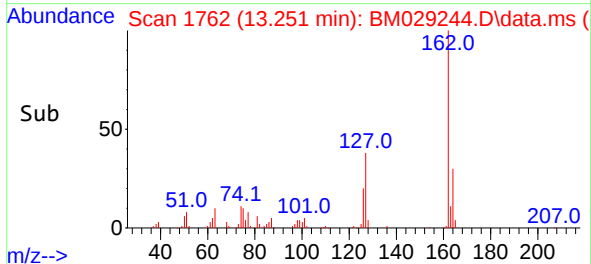
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021



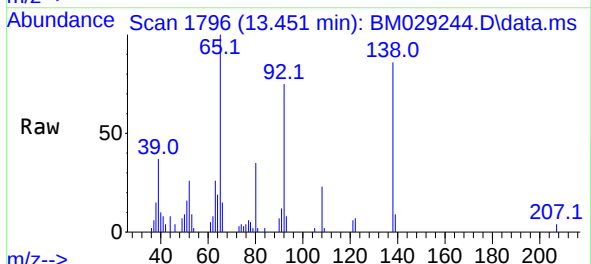
Tgt Ion:	162	Resp:	62808
Ion	Ratio	Lower	Upper
162	100		
127	37.9	30.4	45.6
164	30.4	26.3	39.5

Manual Integrations
APPROVED

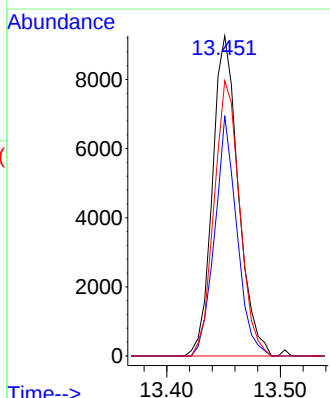
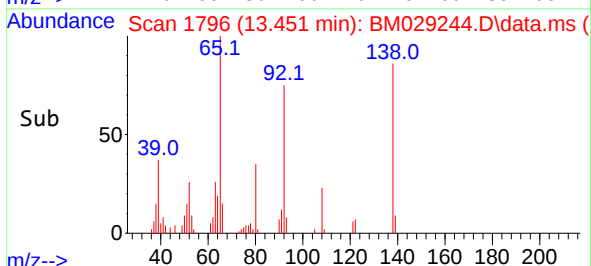
mohammad
3/30/2021 12:41:28 PM

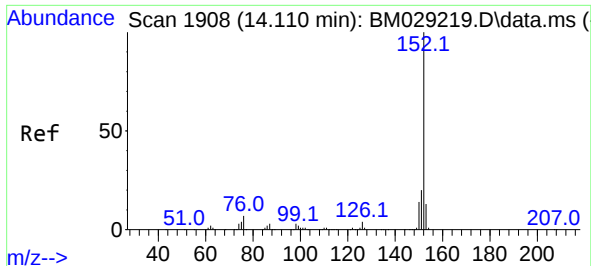


#48
2-Nitroaniline
Concen: 3.32 ng
RT: 13.451 min Scan# 1796
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29



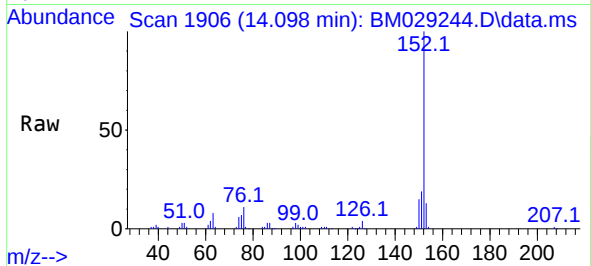
Tgt Ion:	65	Resp:	14651
Ion	Ratio	Lower	Upper
65	100		
92	75.1	52.4	78.6
138	86.0	75.0	112.6





#49
Acenaphthylene
Concen: 3.78 ng
RT: 14.098 min Scan# 1906
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

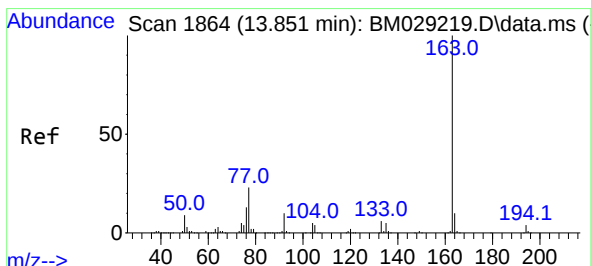
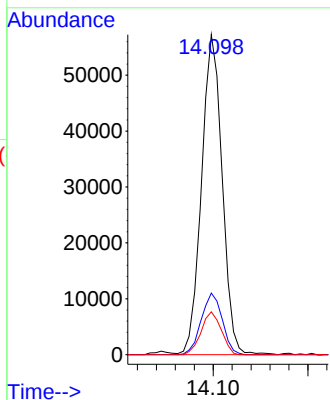
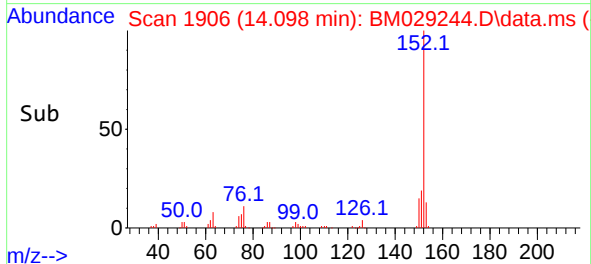
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021



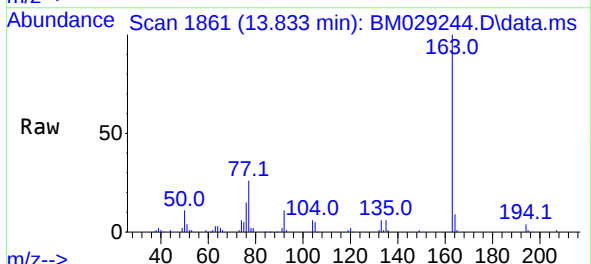
Tgt Ion:152 Resp: 86456
Ion Ratio Lower Upper
152 100
151 19.3 16.2 24.4
153 13.4 10.2 15.2

Manual Integrations
APPROVED

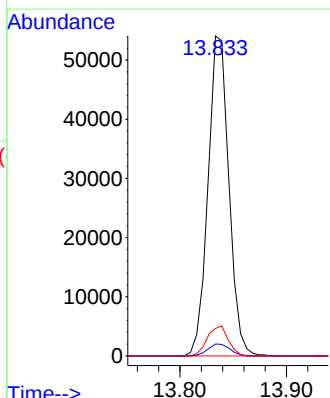
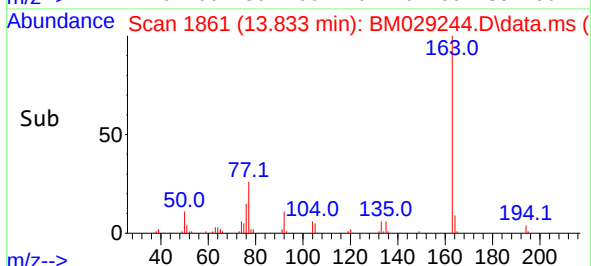
mohammad
3/30/2021 12:41:28 PM

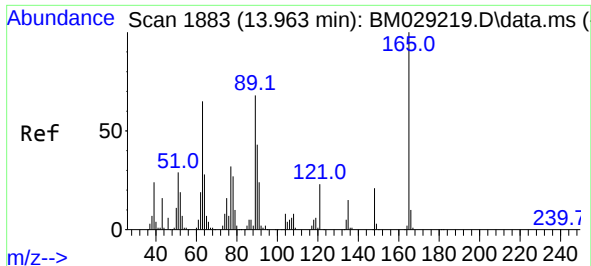


#50
Dimethylphthalate
Concen: 4.18 ng
RT: 13.833 min Scan# 1861
Delta R.T. -0.006 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29



Tgt Ion:163 Resp: 73500
Ion Ratio Lower Upper
163 100
194 3.8 3.2 4.8
164 8.6 7.9 11.9





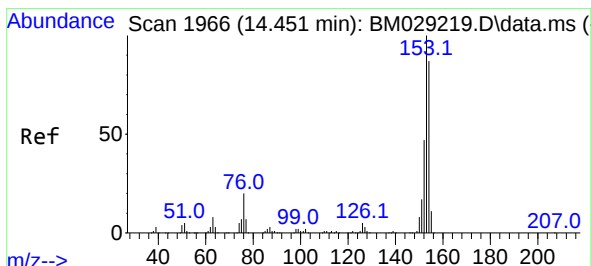
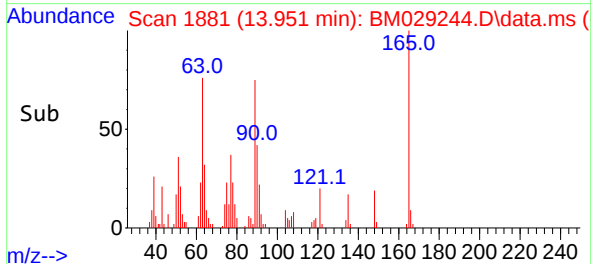
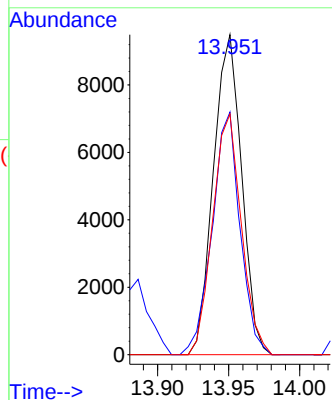
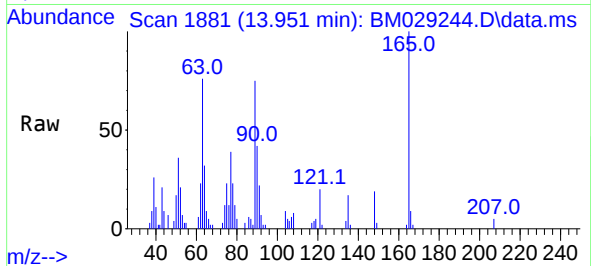
#51
2,6-Dinitrotoluene
Concen: 3.45 ng
RT: 13.951 min Scan# 1881
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:	165	Resp:	13120
Ion Ratio	Lower	Upper	
165	100		
63	75.8	51.4	77.2
89	75.2	51.4	77.2

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

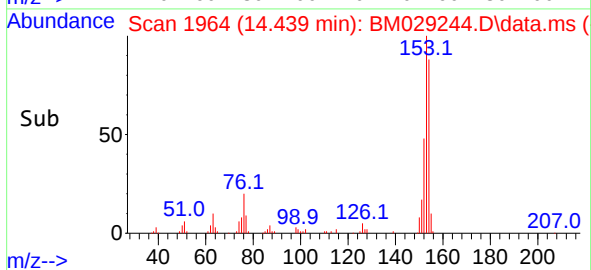
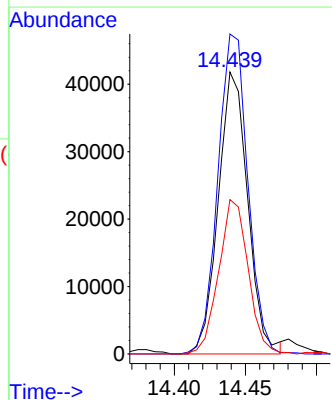
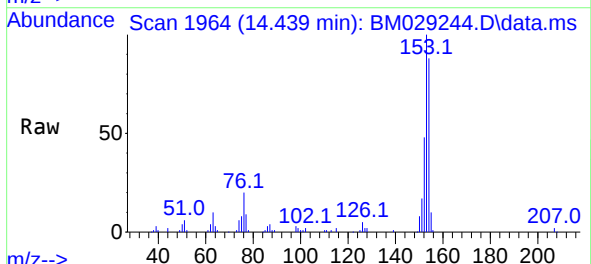
Manual Integrations
APPROVED

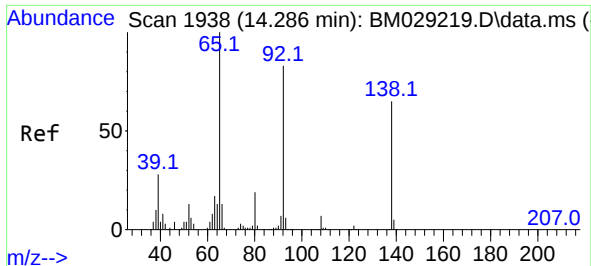
mohammad
3/30/2021 12:41:28 PM



#52
Acenaphthene
Concen: 4.15 ng
RT: 14.439 min Scan# 1964
Delta R.T. -0.006 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

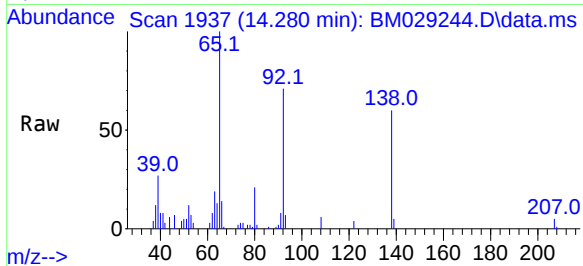
Tgt Ion:	154	Resp:	60418
Ion Ratio	Lower	Upper	
154	100		
153	113.5	90.5	135.7
152	54.7	43.4	65.2





#53
3-Nitroaniline
Concen: 3.32 ng
RT: 14.280 min Scan# 1937
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

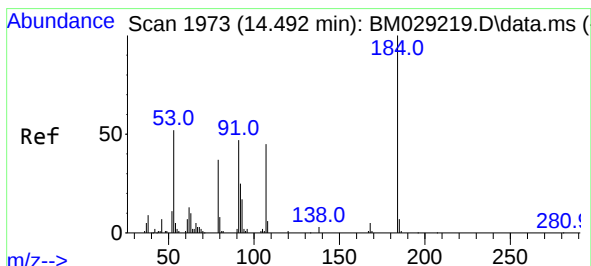
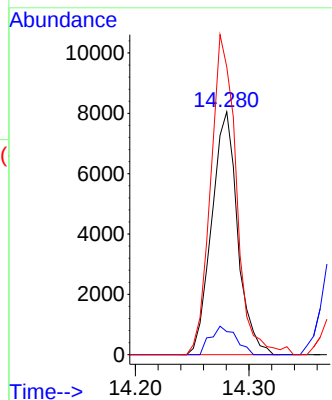
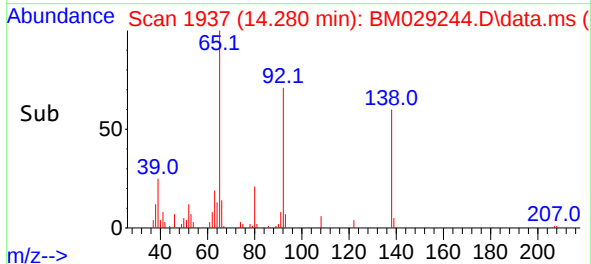
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021



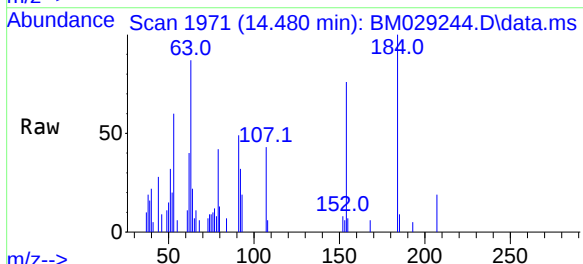
Tgt Ion:138 Resp: 12773
Ion Ratio Lower Upper
138 100
108 9.5 9.0 13.4
92 118.5 101.4 152.0

Manual Integrations
APPROVED

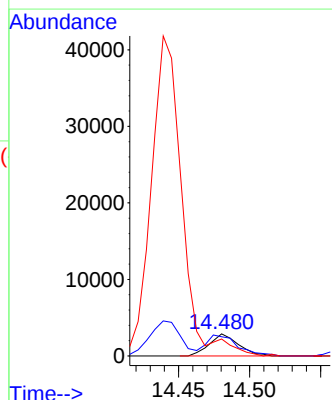
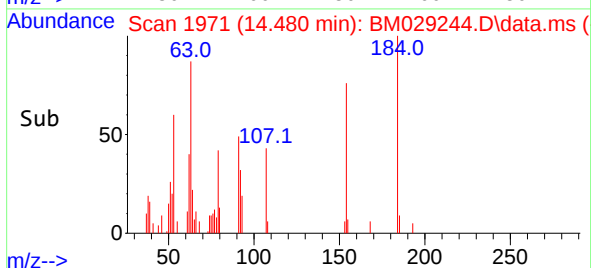
mohammad
3/30/2021 12:41:28 PM

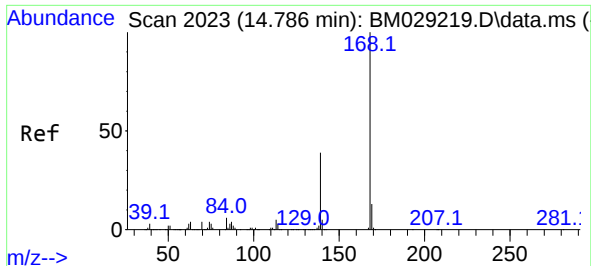


#54
2,4-Dinitrophenol
Concen: 2.15 ng
RT: 14.480 min Scan# 1971
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29



Tgt Ion:184 Resp: 4089
Ion Ratio Lower Upper
184 100
63 86.9 61.9 92.9
154 76.4 52.3 78.5





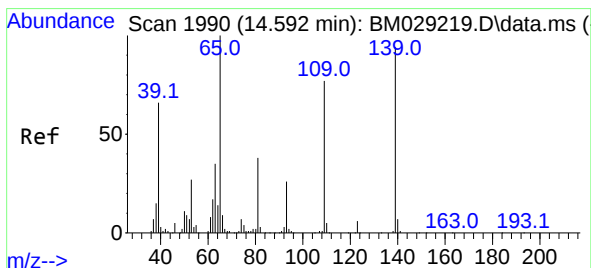
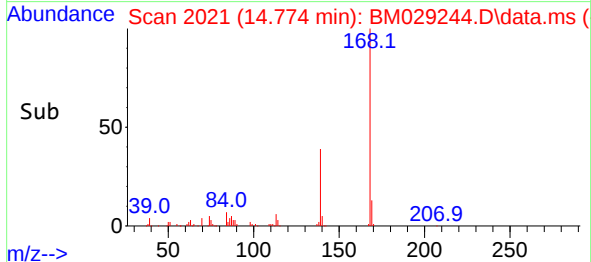
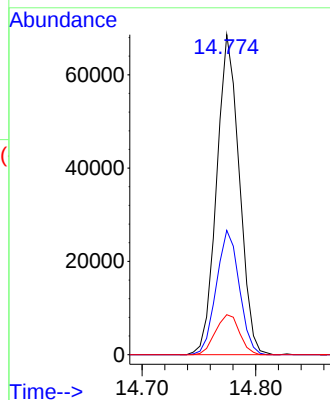
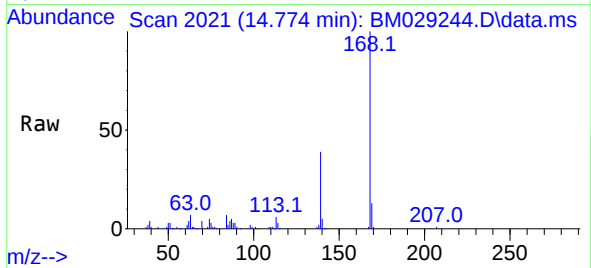
#55
Dibenzofuran
Concen: 4.15 ng
RT: 14.774 min Scan# 2021
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:	168	Resp:	95089
Ion Ratio	Lower	Upper	
168	100		
139	38.9	30.6	46.0
169	12.5	10.2	15.4

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

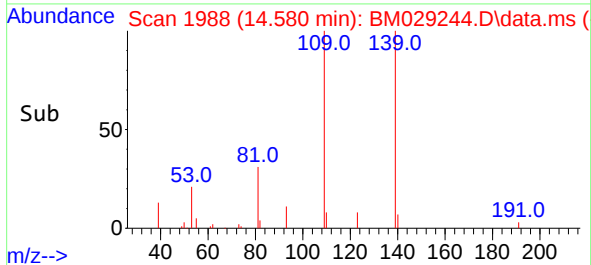
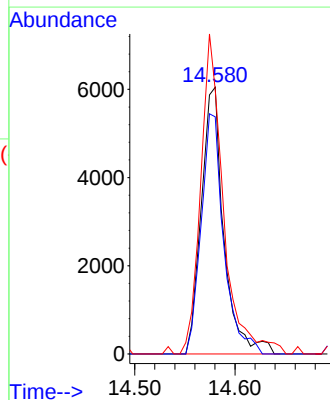
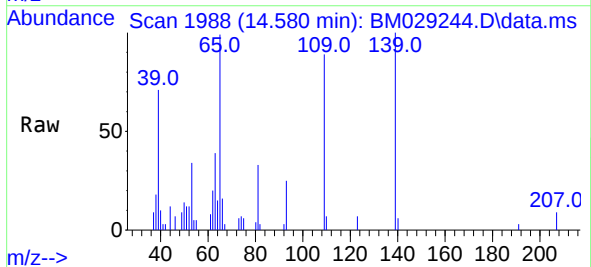
Manual Integrations
APPROVED

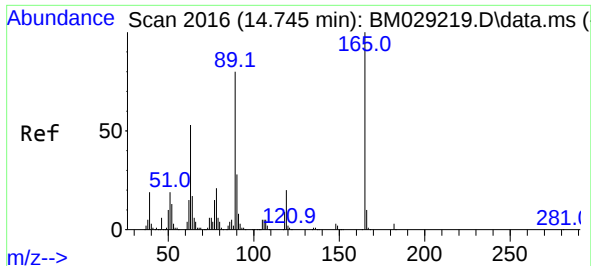
mohammad
3/30/2021 12:41:28 PM



#56
4-Nitrophenol
Concen: 2.70 ng
RT: 14.580 min Scan# 1988
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

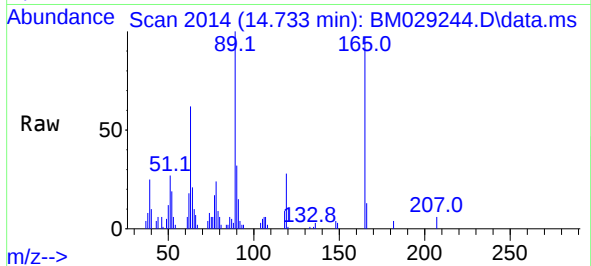
Tgt Ion:	139	Resp:	9488
Ion Ratio	Lower	Upper	
139	100		
109	88.9	69.5	109.5
65	99.0	98.1	138.1





#57
2,4-Dinitrotoluene
Concen: 3.04 ng
RT: 14.733 min Scan# 2014
Delta R.T. -0.006 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

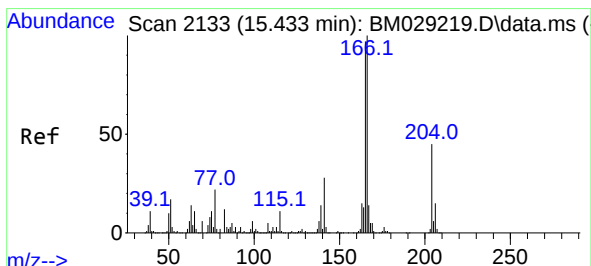
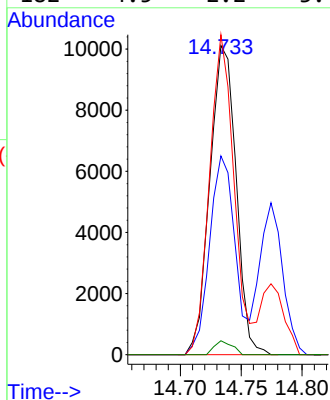
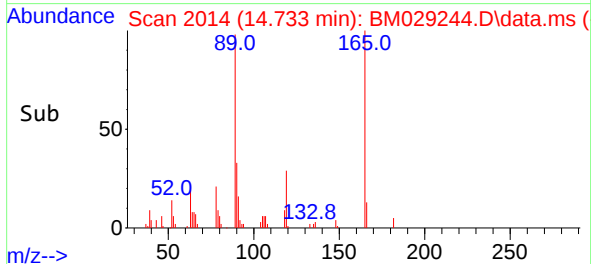
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021



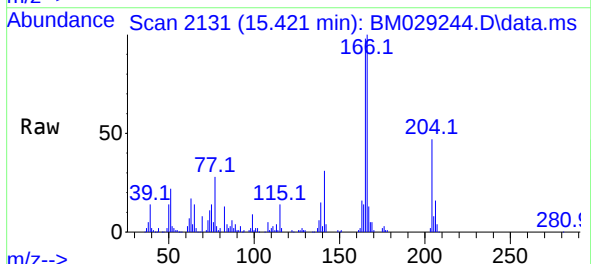
Tgt Ion:165 Resp: 15185
Ion Ratio Lower Upper
165 100
63 64.3 42.2 63.4#
89 103.5 65.6 98.4#
182 4.5 2.2 3.4#

Manual Integrations
APPROVED

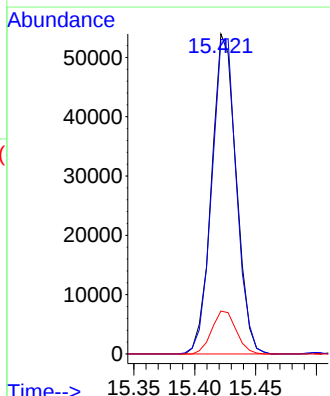
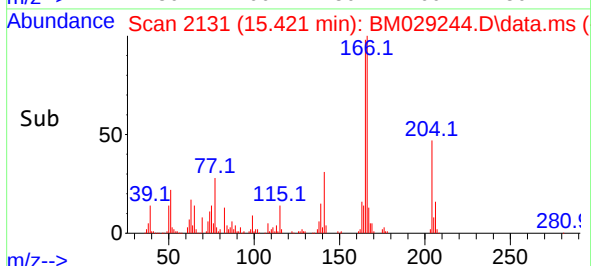
mohammad
3/30/2021 12:41:28 PM

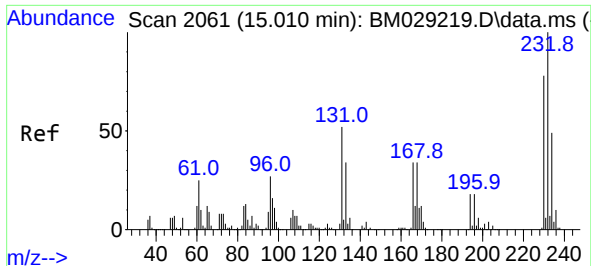


#58
Fluorene
Concen: 4.08 ng
RT: 15.421 min Scan# 2131
Delta R.T. -0.006 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29



Tgt Ion:166 Resp: 75755
Ion Ratio Lower Upper
166 100
165 98.2 79.6 119.4
167 13.4 11.0 16.6





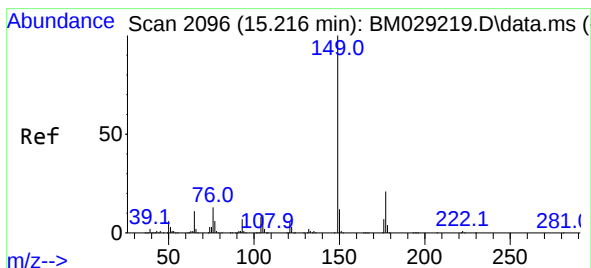
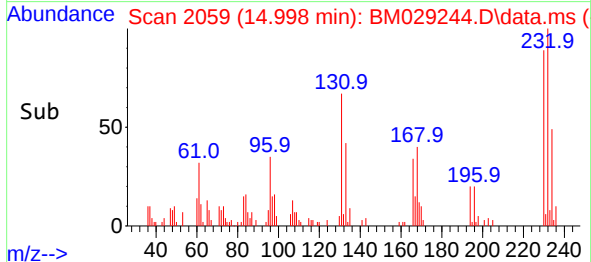
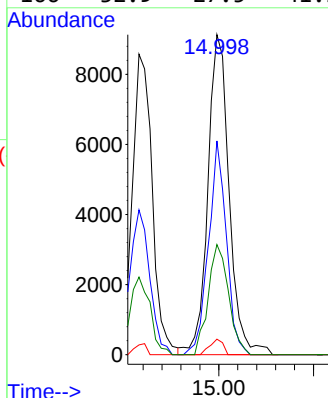
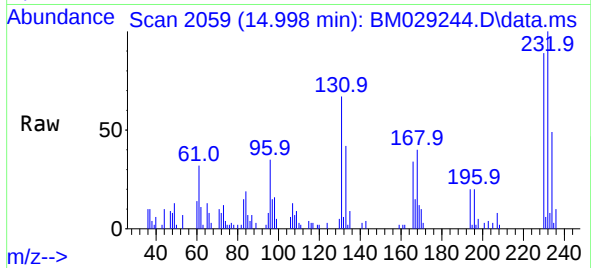
#59
2,3,4,6-Tetrachlorophenol
Concen: 3.42 ng
RT: 14.998 min Scan# 2059
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:	232	Resp:	14280
Ion Ratio	Lower	Upper	
232	100		
131	56.4	41.1	61.7
130	3.0	2.6	3.8
166	32.9	27.5	41.3

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

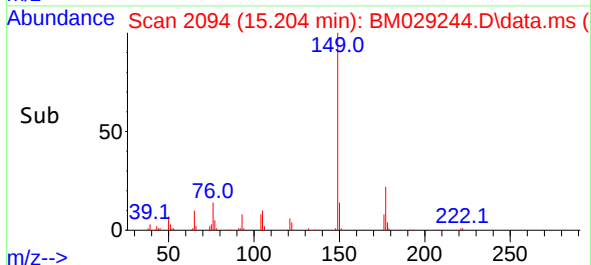
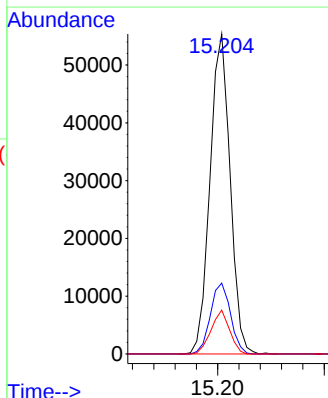
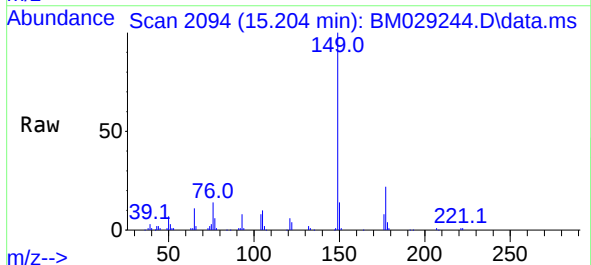
Manual Integrations
APPROVED

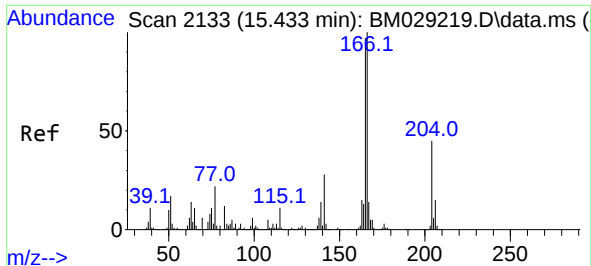
mohammad
3/30/2021 12:41:28 PM



#60
Diethylphthalate
Concen: 4.18 ng
RT: 15.204 min Scan# 2094
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:	149	Resp:	72421
Ion Ratio	Lower	Upper	
149	100		
177	22.2	17.3	25.9
150	13.7	9.8	14.6





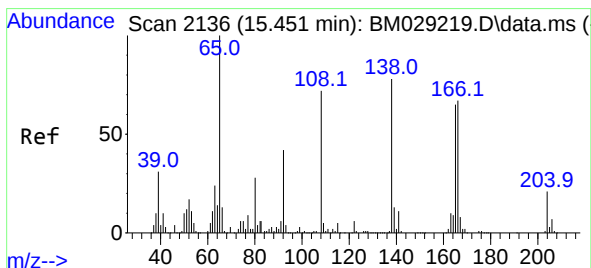
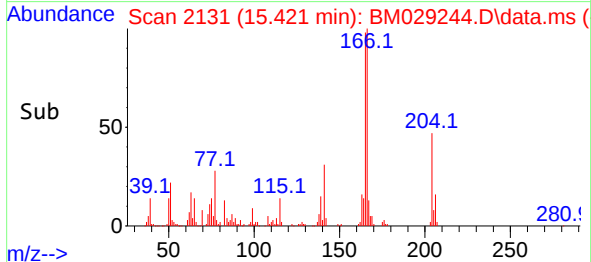
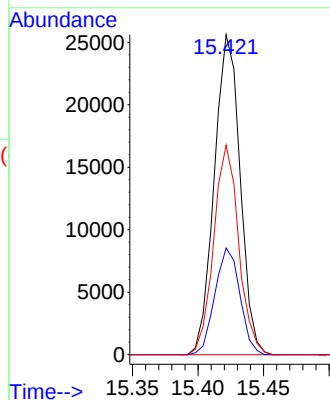
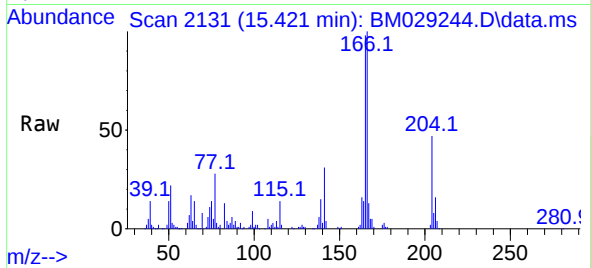
#61
4-Chlorophenyl-phenylether
Concen: 4.09 ng
RT: 15.421 min Scan# 2131
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:204 Resp: 35041
Ion Ratio Lower Upper
204 100
206 33.4 26.7 40.1
141 65.4 48.4 72.6

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

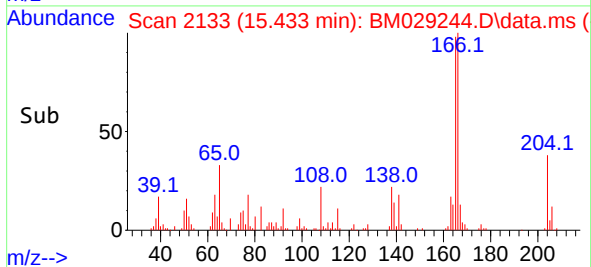
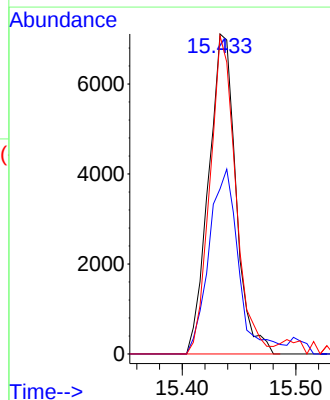
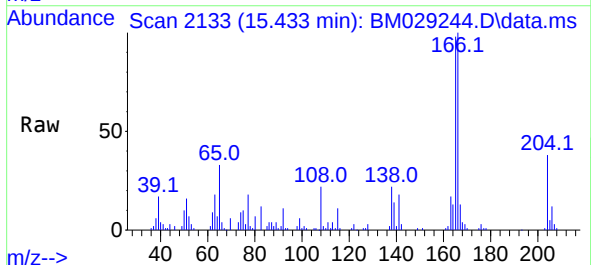
Manual Integrations
APPROVED

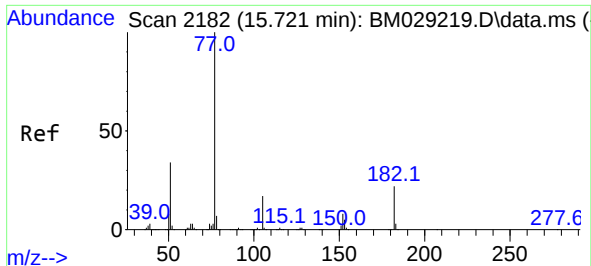
mohammad
3/30/2021 12:41:28 PM



#62
4-Nitroaniline
Concen: 2.93 ng
RT: 15.433 min Scan# 2133
Delta R.T. -0.006 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:138 Resp: 11885
Ion Ratio Lower Upper
138 100
92 51.6 38.2 78.2
108 99.4 71.7 111.7





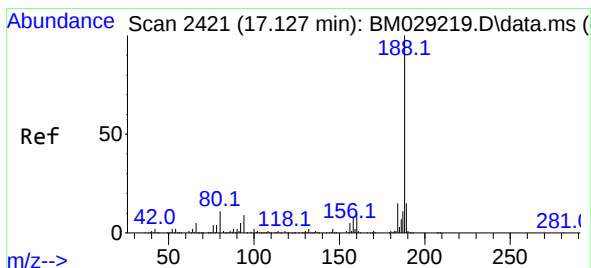
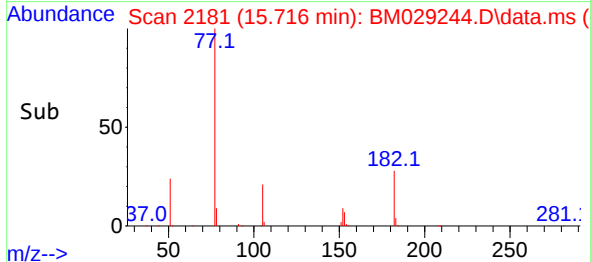
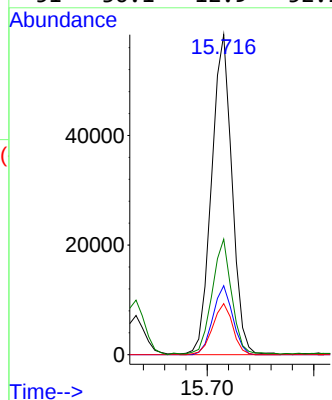
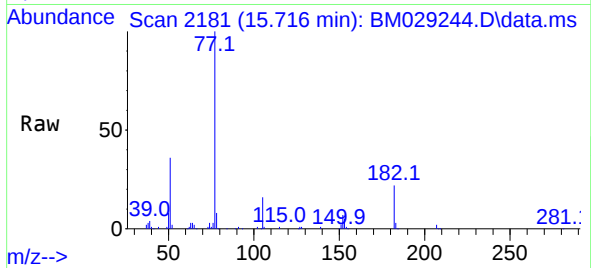
#63
Azobenzene
Concen: 3.93 ng
RT: 15.716 min Scan# 2181
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion: 77	Resp: 77704
Ion Ratio	Lower Upper
77 100	
182 21.6	2.3 42.3
105 16.0	0.0 36.4
51 36.1	12.9 52.9

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

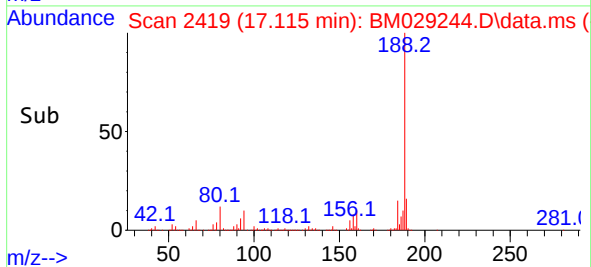
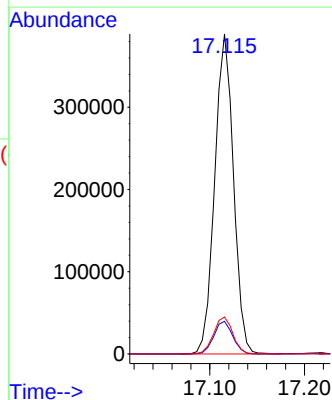
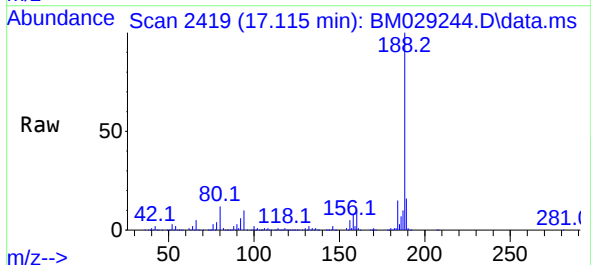
Manual Integrations
APPROVED

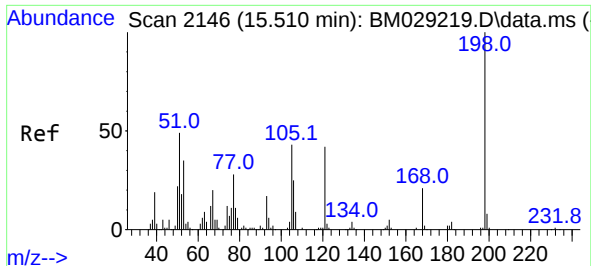
mohammad
3/30/2021 12:41:28 PM



#64
Phenanthrene-d10
Concen: 20.00 ng
RT: 17.115 min Scan# 2419
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

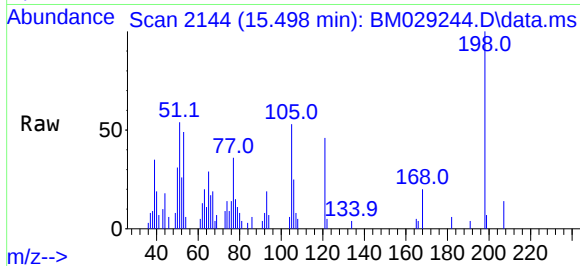
Tgt Ion:188	Resp: 535186		
Ion Ratio	Lower	Upper	
188 100			
94 10.2	8.1	12.1	
80 11.6	9.2	13.8	





#65
4,6-Dinitro-2-methylphenol
Concen: 2.24 ng
RT: 15.498 min Scan# 2144
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

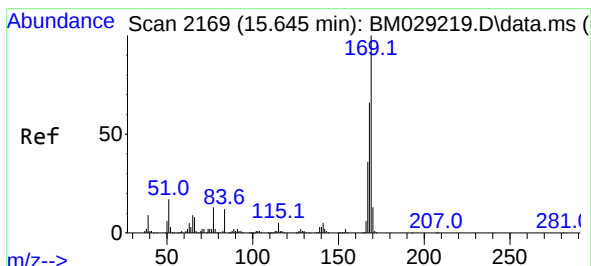
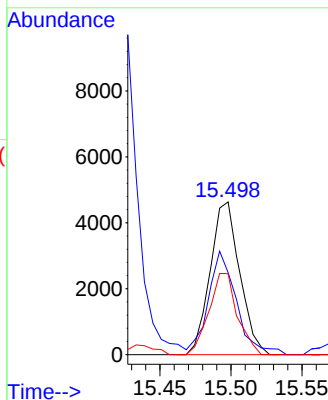
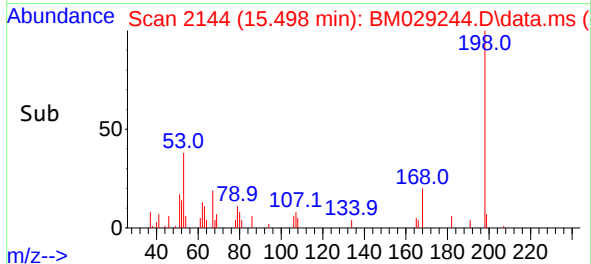
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021



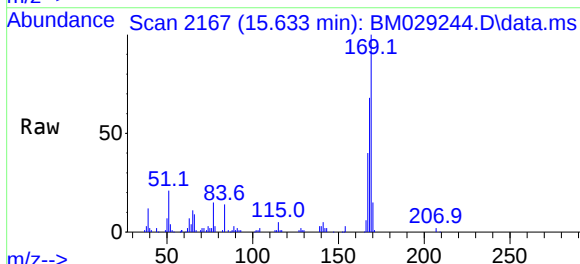
Tgt Ion:198 Resp: 6693
Ion Ratio Lower Upper
198 100
51 53.7 35.1 75.1
105 52.9 29.4 69.4

Manual Integrations
APPROVED

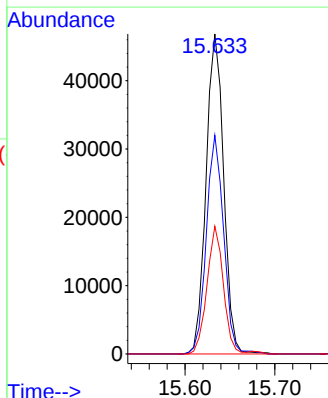
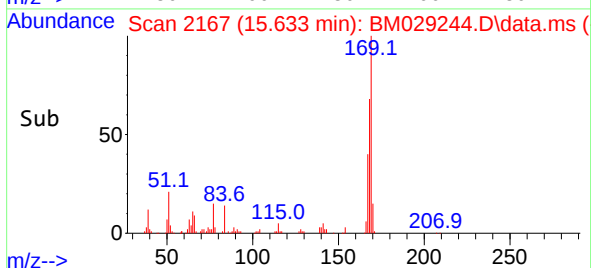
mohammad
3/30/2021 12:41:28 PM

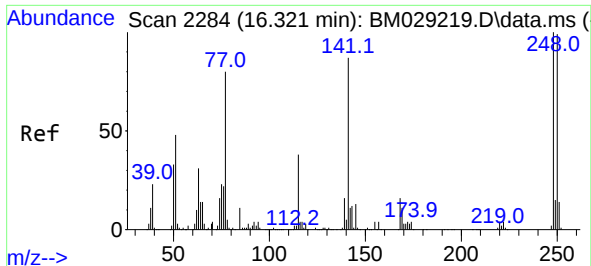


#66
n-Nitrosodiphenylamine
Concen: 3.72 ng
RT: 15.633 min Scan# 2167
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29



Tgt Ion:169 Resp: 63782
Ion Ratio Lower Upper
169 100
168 68.3 54.6 81.8
167 39.9 29.4 44.0





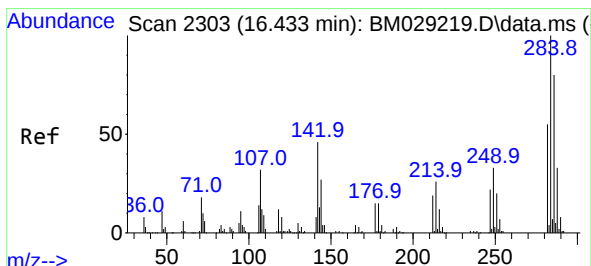
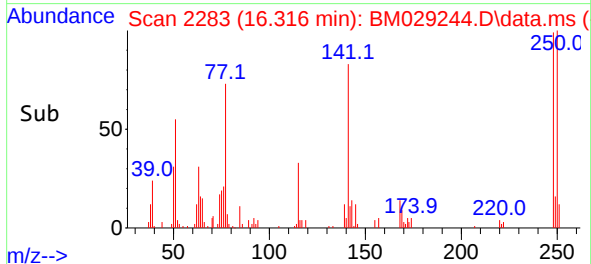
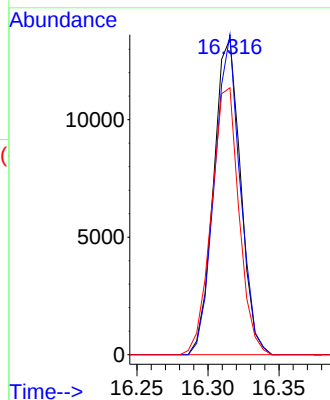
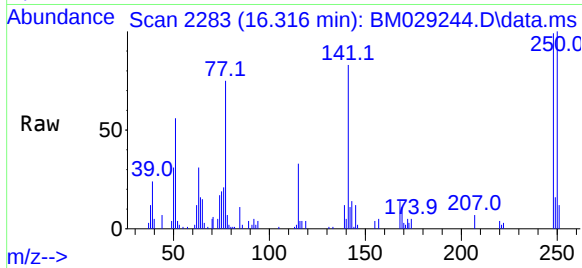
#67
4-Bromophenyl-phenylether
Concen: 3.61 ng
RT: 16.316 min Scan# 2283
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:248 Resp: 17717
Ion Ratio Lower Upper
248 100
250 101.3 78.4 117.6
141 84.5 67.1 100.7

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

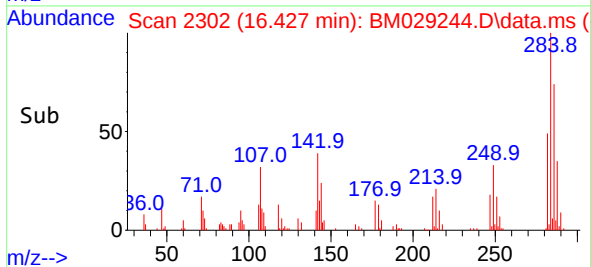
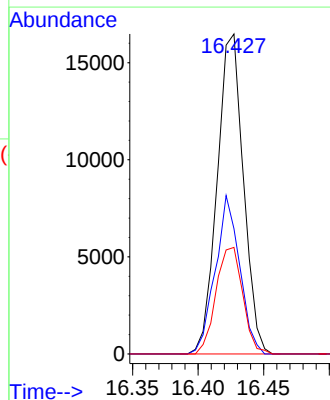
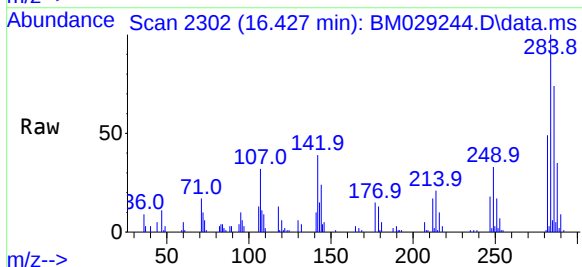
Manual Integrations
APPROVED

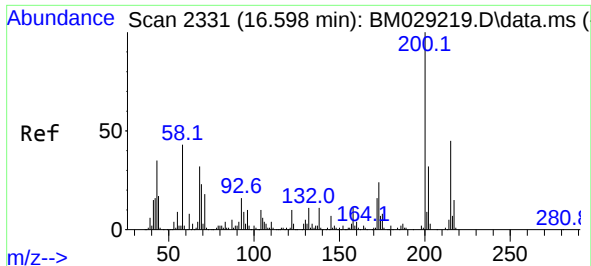
mohammad
3/30/2021 12:41:28 PM



#68
Hexachlorobenzene
Concen: 3.97 ng
RT: 16.427 min Scan# 2302
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:284 Resp: 22913
Ion Ratio Lower Upper
284 100
142 39.1 33.4 50.2
249 33.3 25.9 38.9





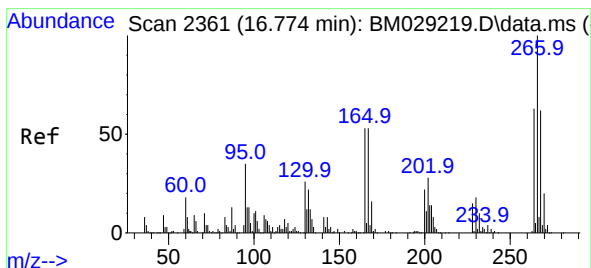
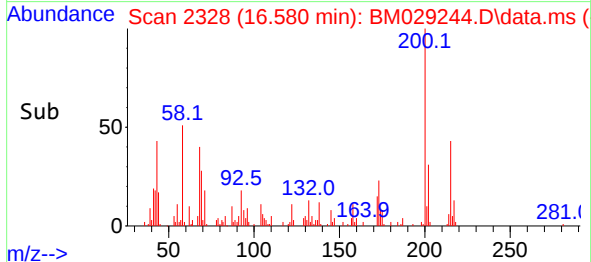
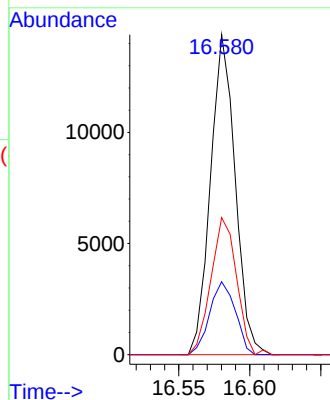
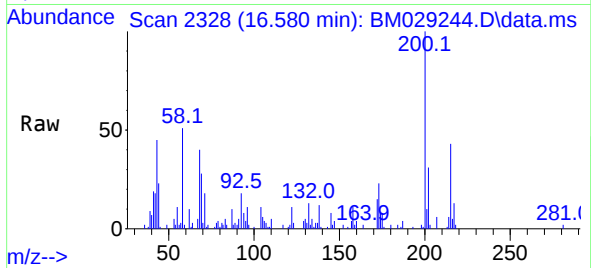
#69
Atrazine
Concen: 3.21 ng
RT: 16.580 min Scan# 2328
Delta R.T. -0.006 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:	200	Resp:	17368
Ion Ratio	Lower	Upper	
200	100		
173	22.8	6.1	46.1
215	42.9	23.8	63.8

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

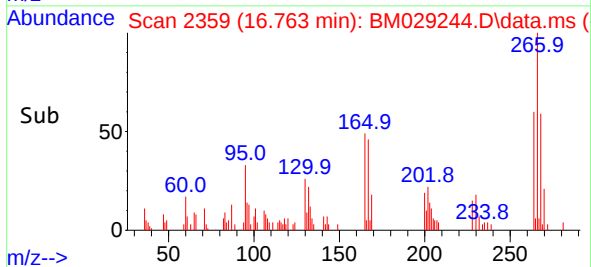
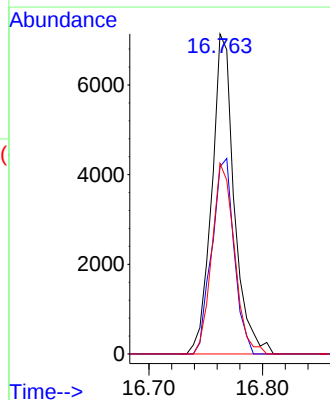
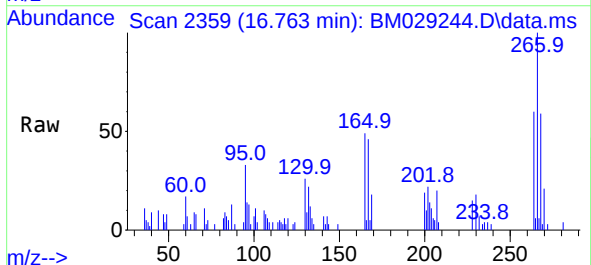
Manual Integrations
APPROVED

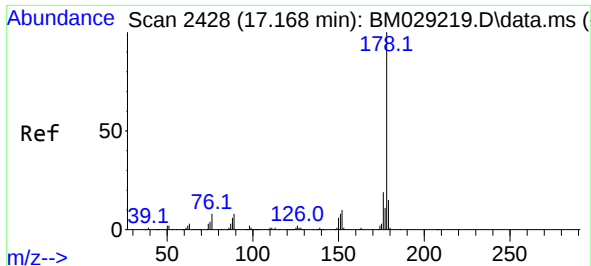
mohammad
3/30/2021 12:41:28 PM



#70
Pentachlorophenol
Concen: 2.75 ng
RT: 16.763 min Scan# 2359
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:	266	Resp:	9771
Ion Ratio	Lower	Upper	
266	100		
268	58.5	52.2	78.2
264	59.6	50.9	76.3





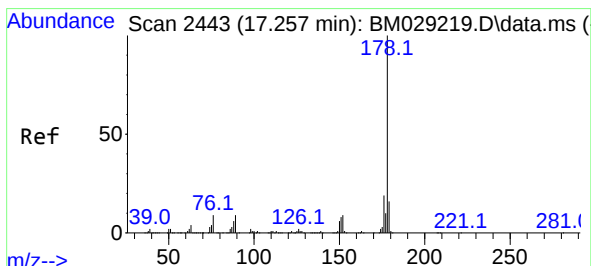
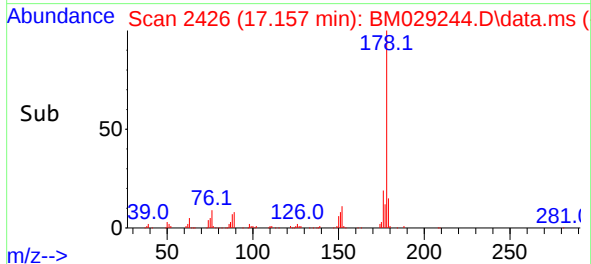
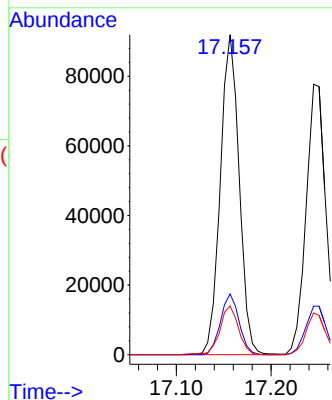
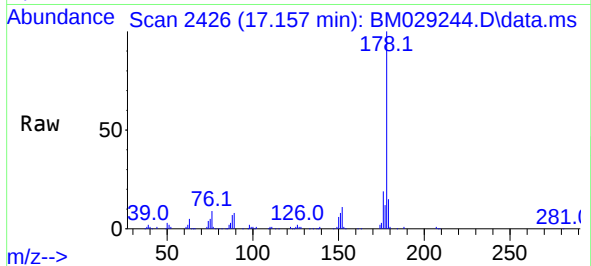
#71
Phenanthrene
Concen: 4.10 ng
RT: 17.157 min Scan# 2426
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:178 Resp: 127314
Ion Ratio Lower Upper
178 100
176 19.0 15.7 23.5
179 15.2 11.9 17.9

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

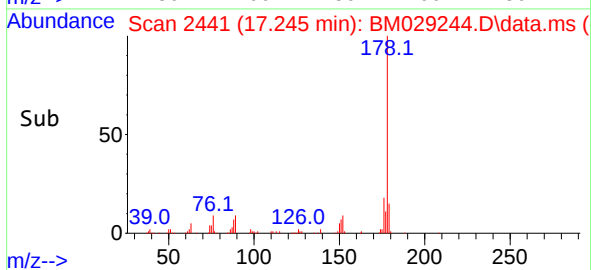
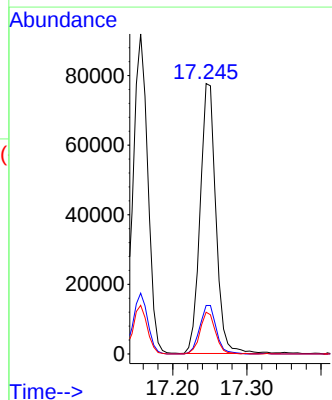
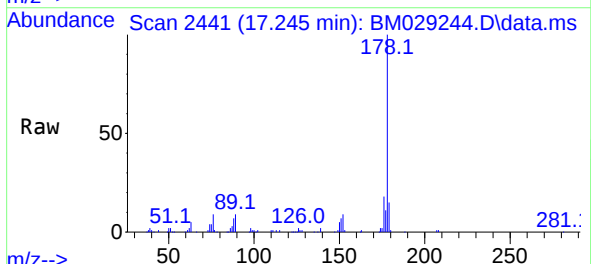
Manual Integrations
APPROVED

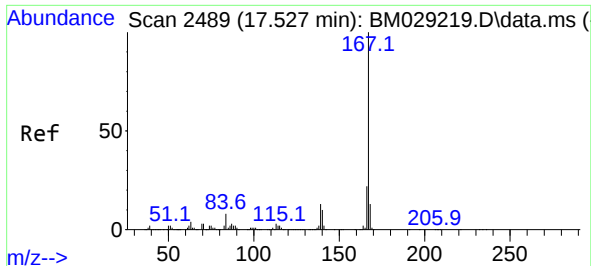
mohammad
3/30/2021 12:41:28 PM



#72
Anthracene
Concen: 3.80 ng
RT: 17.245 min Scan# 2441
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:178 Resp: 114507
Ion Ratio Lower Upper
178 100
176 17.9 14.9 22.3
179 15.5 12.1 18.1





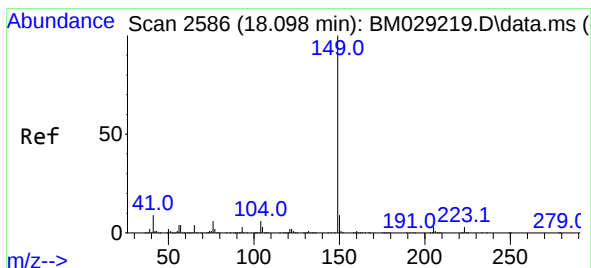
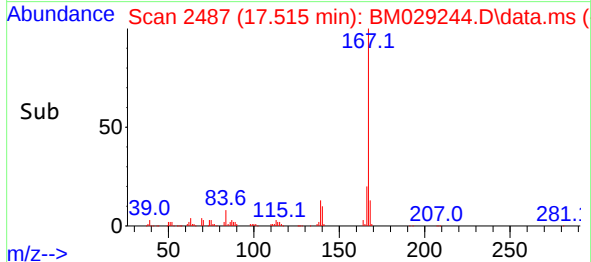
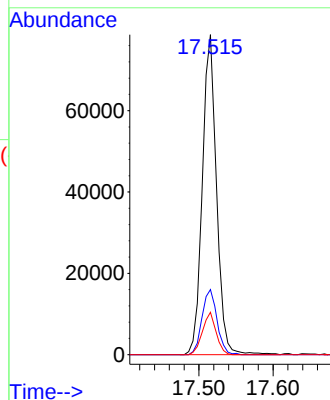
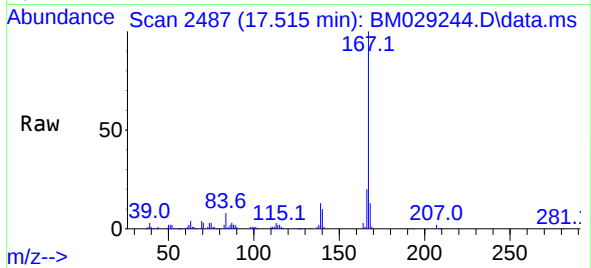
#73
Carbazole
Concen: 3.53 ng
RT: 17.515 min Scan# 2487
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:167 Resp: 104682
Ion Ratio Lower Upper
167 100
166 20.4 17.5 26.3
139 13.3 10.6 15.8

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

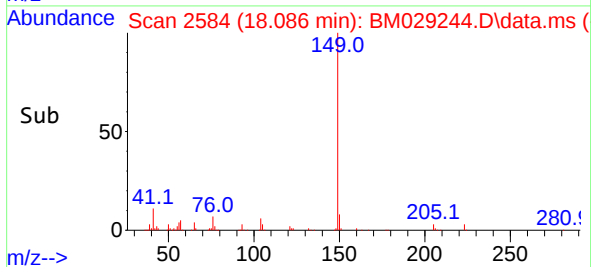
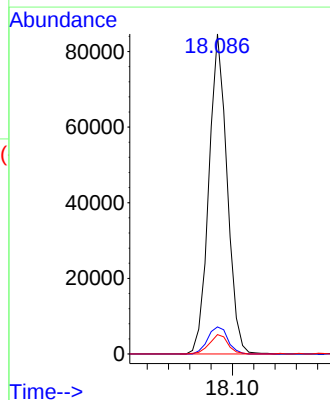
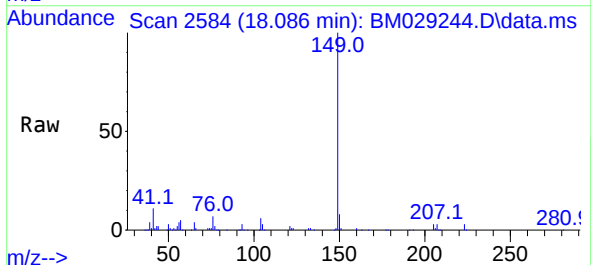
Manual Integrations
APPROVED

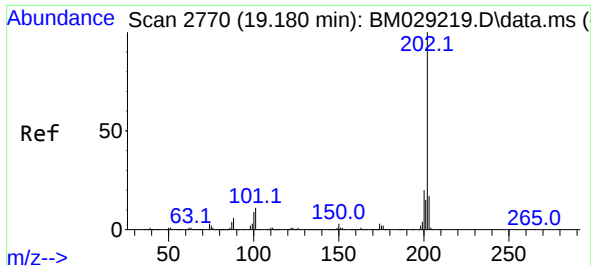
mohammad
3/30/2021 12:41:28 PM



#74
Di-n-butylphthalate
Concen: 3.51 ng
RT: 18.086 min Scan# 2584
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:149 Resp: 100386
Ion Ratio Lower Upper
149 100
150 8.5 7.3 10.9
104 6.1 4.6 6.8





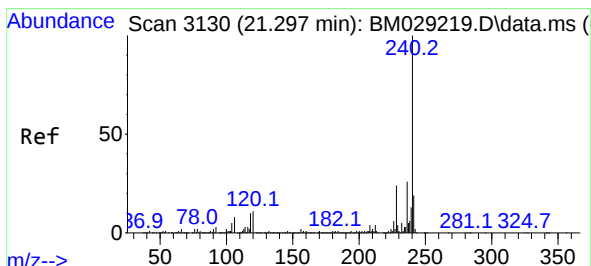
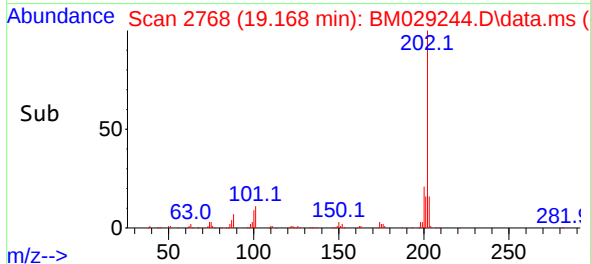
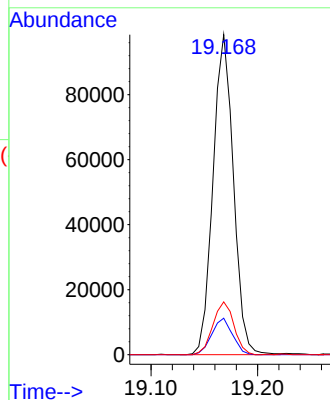
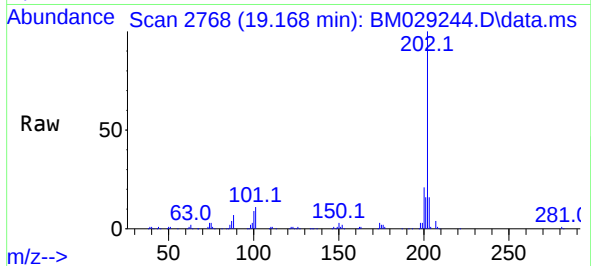
#75
Fluoranthene
Concen: 3.82 ng
RT: 19.168 min Scan# 2768
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:202 Resp: 130859
Ion Ratio Lower Upper
202 100
101 11.4 0.0 31.5
203 16.5 0.0 37.7

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

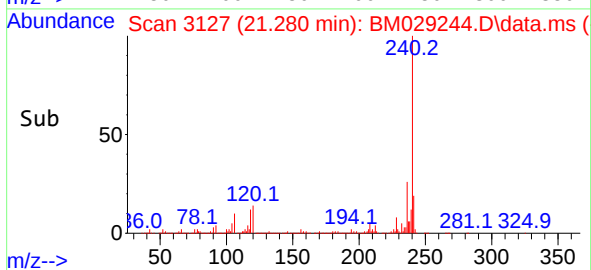
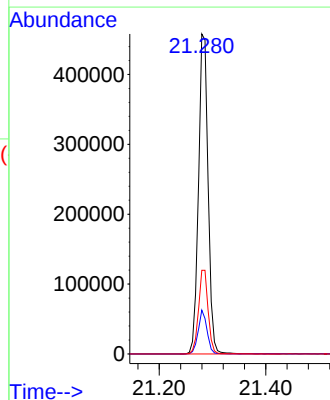
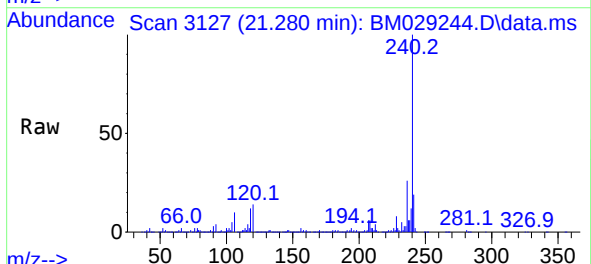
Manual Integrations
APPROVED

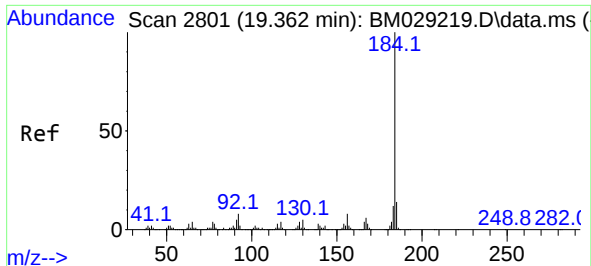
mohammad
3/30/2021 12:41:28 PM



#76
Chrysene-d12
Concen: 20.00 ng
RT: 21.280 min Scan# 3127
Delta R.T. -0.006 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:240 Resp: 574289
Ion Ratio Lower Upper
240 100
120 13.7 9.0 13.6#
236 26.1 20.3 30.5





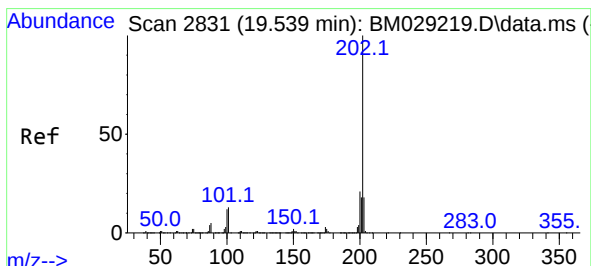
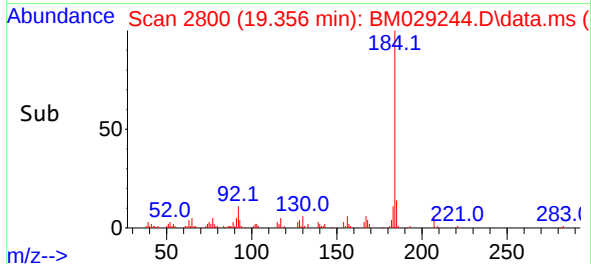
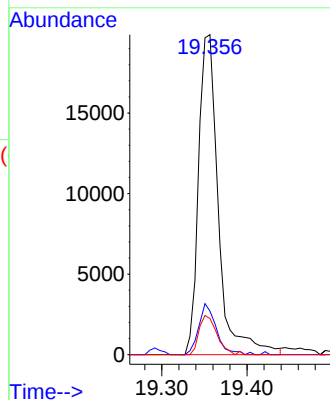
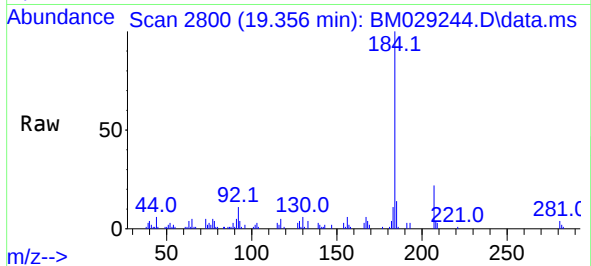
#77
Benzidine
Concen: 1.94 ng
RT: 19.356 min Scan# 2800
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:	184	Resp:	32248
Ion Ratio	Lower	Upper	
184	100		
185	13.6	11.3	16.9
183	11.3	9.8	14.6

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

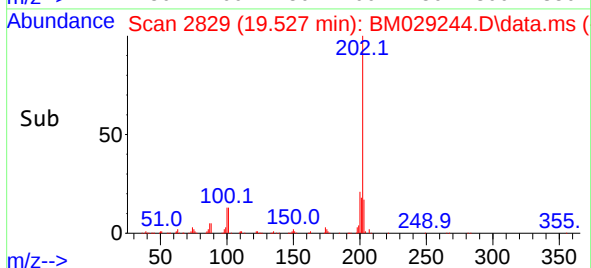
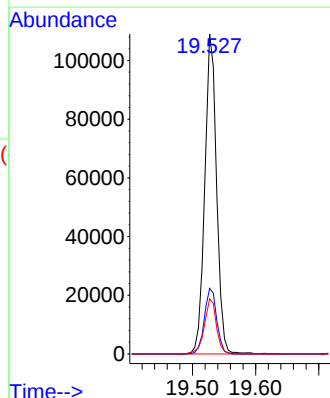
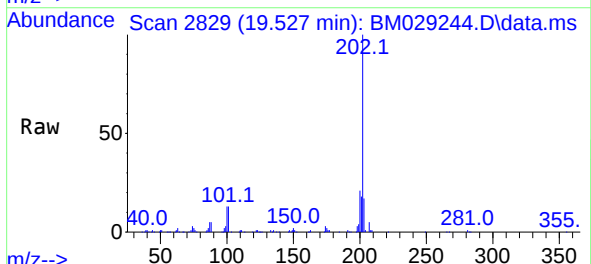
Manual Integrations
APPROVED

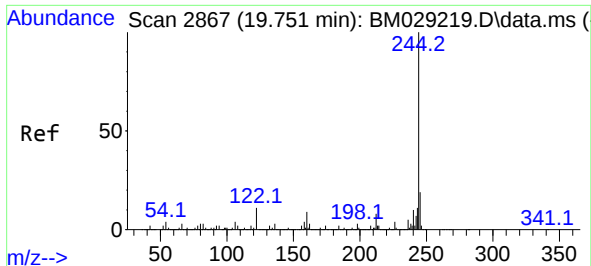
mohammad
3/30/2021 12:41:28 PM



#78
Pyrene
Concen: 3.65 ng
RT: 19.527 min Scan# 2829
Delta R.T. -0.006 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:	202	Resp:	141897
Ion Ratio	Lower	Upper	
202	100		
200	20.5	17.0	25.6
203	17.2	14.1	21.1





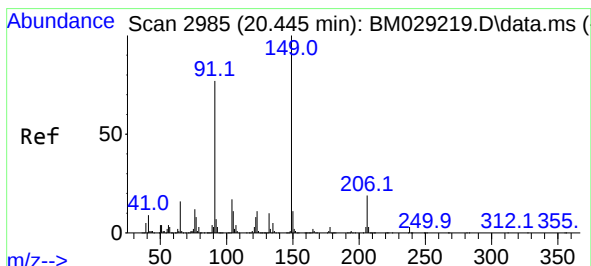
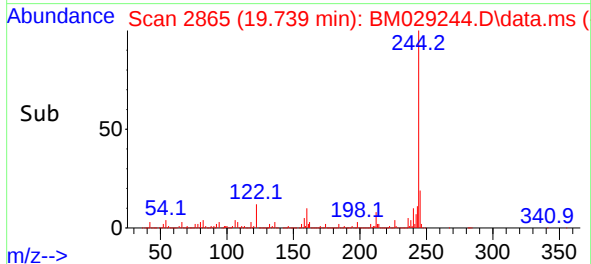
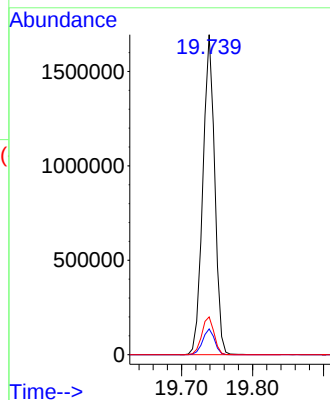
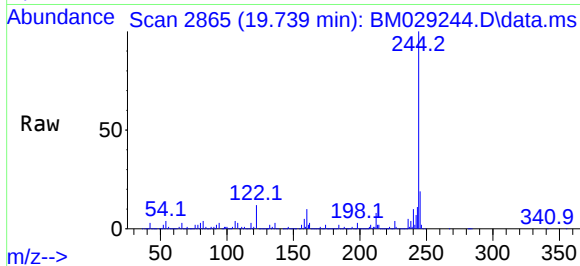
#79
Terphenyl-d14
Concen: 68.92 ng
RT: 19.739 min Scan# 2865
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:244 Resp: 1970090
Ion Ratio Lower Upper
244 100
212 8.0 6.5 9.7
122 11.8 9.2 13.8

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

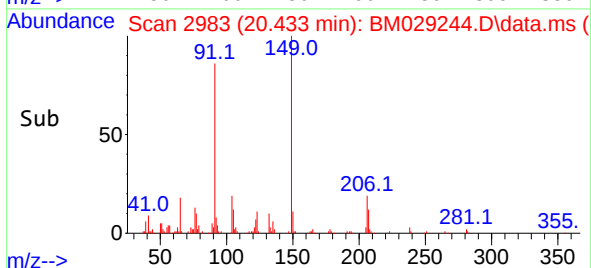
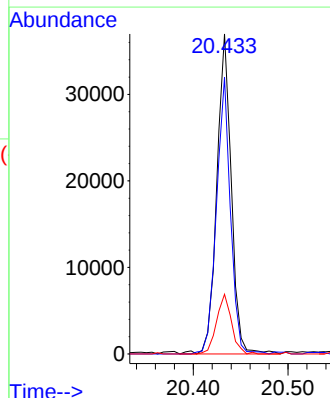
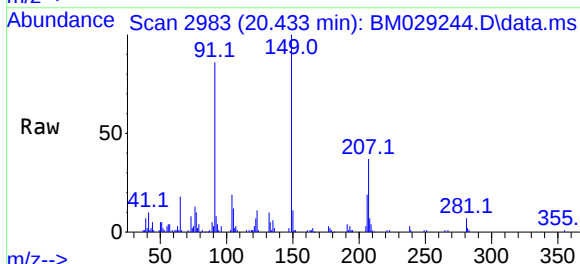
Manual Integrations
APPROVED

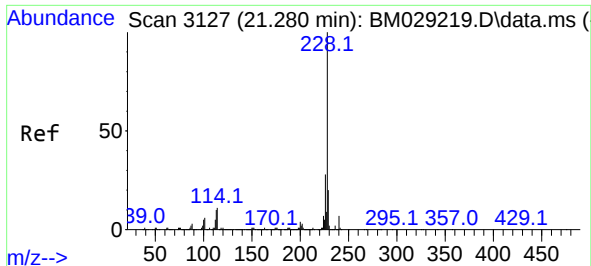
mohammad
3/30/2021 12:41:28 PM



#80
Butylbenzylphthalate
Concen: 2.99 ng
RT: 20.433 min Scan# 2983
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

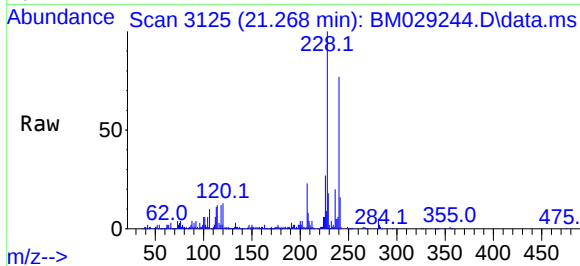
Tgt Ion:149 Resp: 39217
Ion Ratio Lower Upper
149 100
91 86.4 60.5 90.7
206 18.6 15.7 23.5





#81
Benzo(a)anthracene
Concen: 3.74 ng
RT: 21.268 min Scan# 3125
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

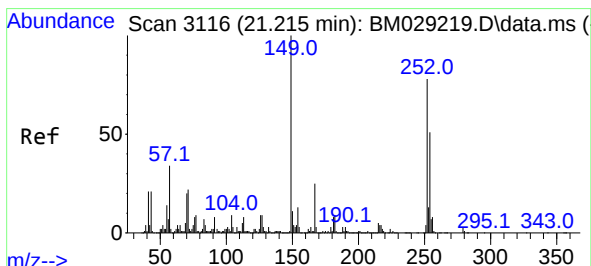
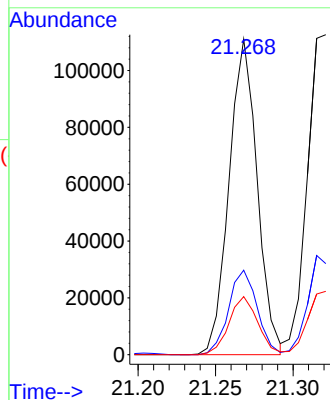
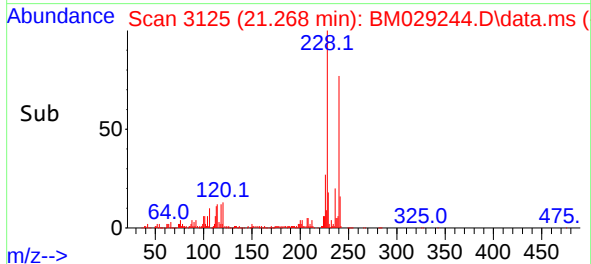
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021



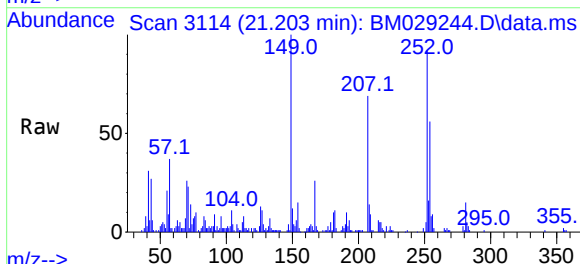
Tgt Ion:228 Resp: 140215
Ion Ratio Lower Upper
228 100
226 26.8 21.9 32.9
229 18.4 15.7 23.5

Manual Integrations
APPROVED

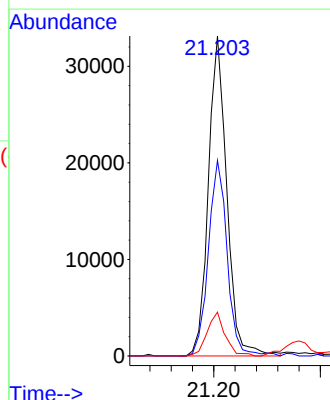
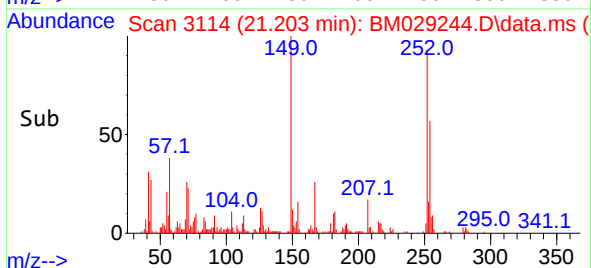
mohammad
3/30/2021 12:41:28 PM

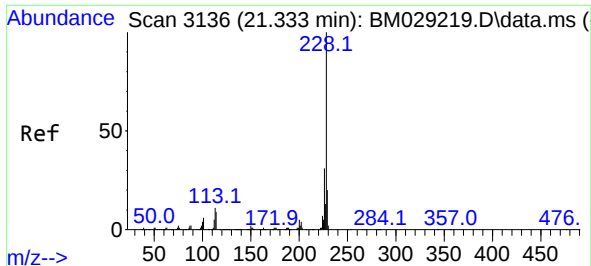


#82
3,3'-Dichlorobenzidine
Concen: 3.56 ng
RT: 21.203 min Scan# 3114
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29



Tgt Ion:252 Resp: 39922
Ion Ratio Lower Upper
252 100
254 61.1 52.6 78.8
126 13.7 10.8 16.2





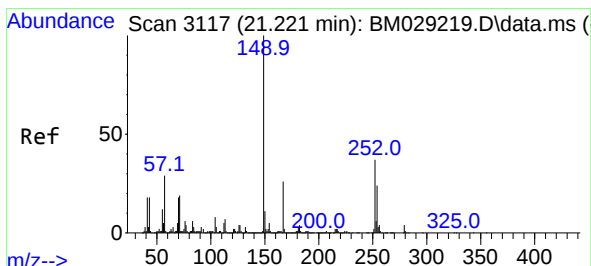
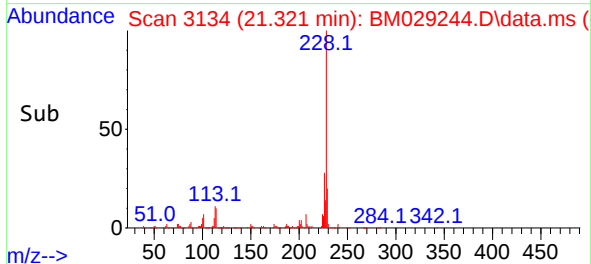
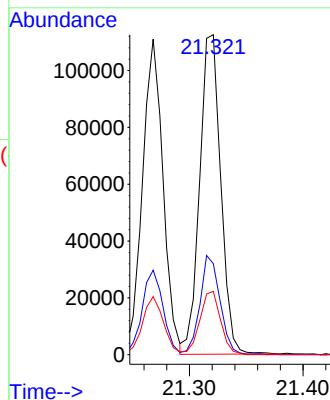
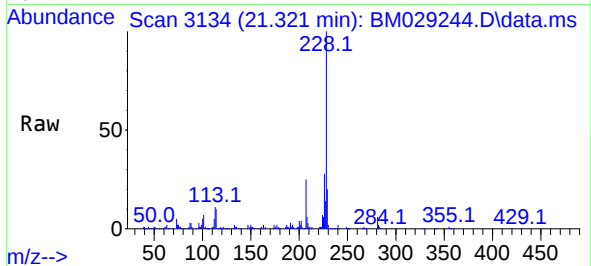
#83
Chrysene
Concen: 3.87 ng
RT: 21.321 min Scan# 3134
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:	228	Resp:	145238
Ion Ratio	Lower	Upper	
228	100		
226	28.4	24.7	37.1
229	19.8	15.8	23.6

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

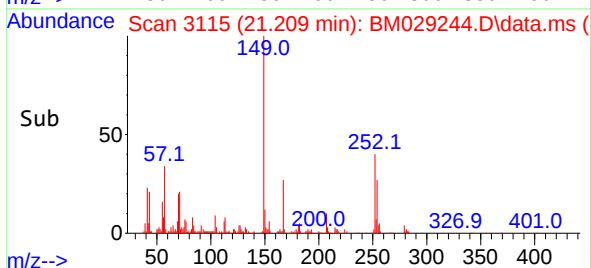
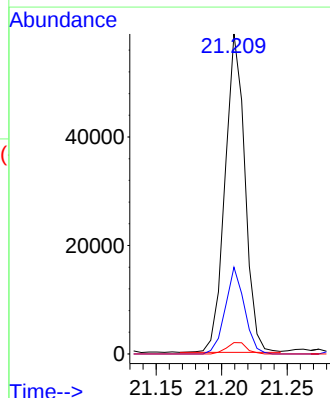
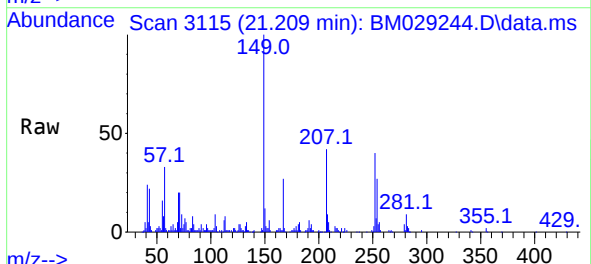
Manual Integrations
APPROVED

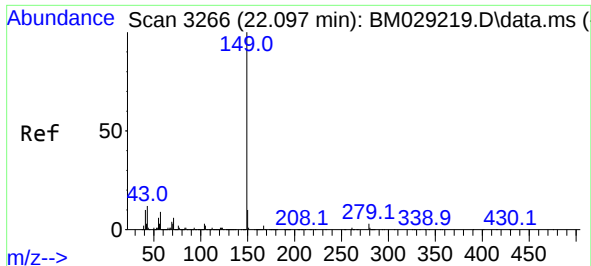
mohammad
3/30/2021 12:41:28 PM



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.28 ng
RT: 21.209 min Scan# 3115
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:	149	Resp:	61899
Ion Ratio	Lower	Upper	
149	100		
167	27.1	20.6	31.0
279	3.5	3.3	4.9





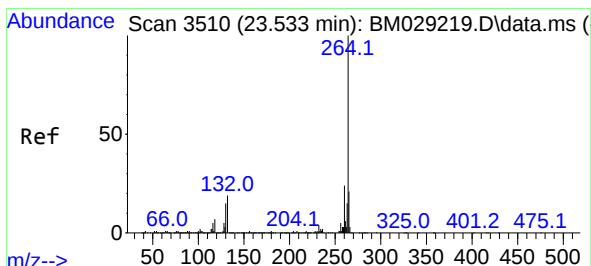
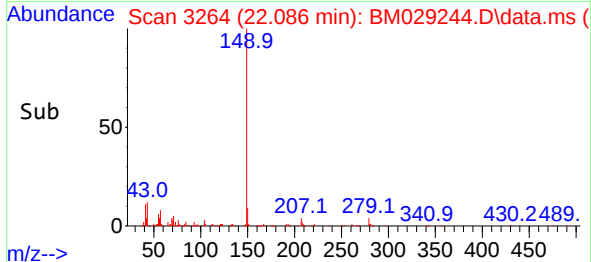
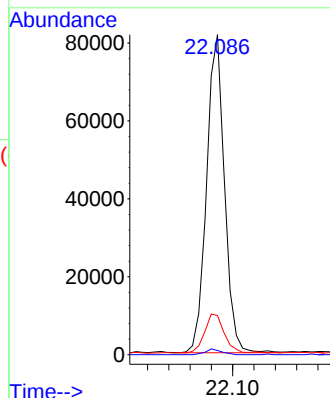
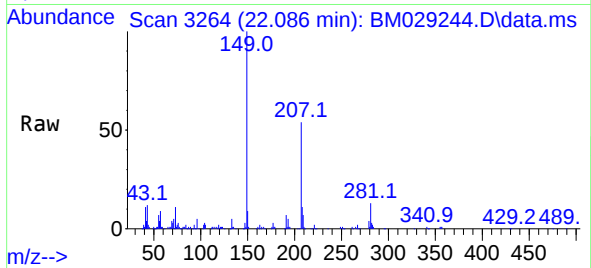
#85
Di-n-octyl phthalate
Concen: 3.12 ng
RT: 22.086 min Scan# 3264
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:	149	Resp:	95356
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.3	1.9
43	13.5	9.8	14.6

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

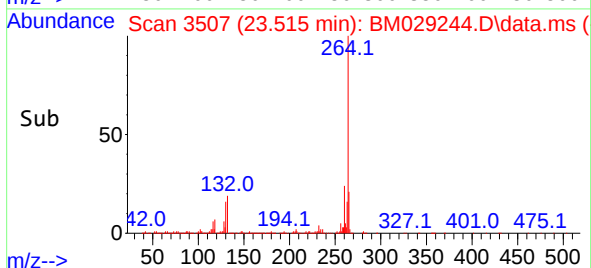
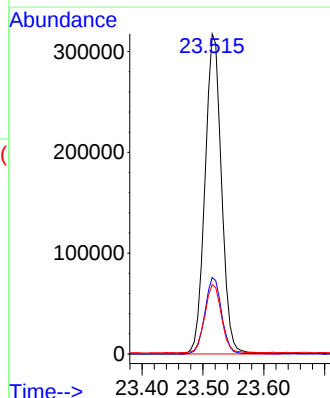
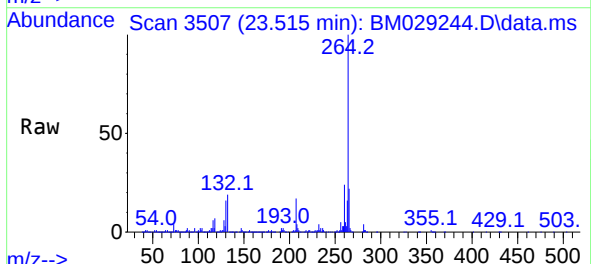
Manual Integrations
APPROVED

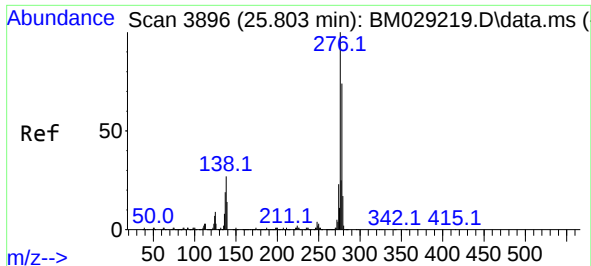
mohammad
3/30/2021 12:41:28 PM



#86
Perylene-d12
Concen: 20.00 ng
RT: 23.515 min Scan# 3507
Delta R.T. -0.006 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:	264	Resp:	597808
Ion Ratio	Lower	Upper	
264	100		
260	23.9	19.6	29.4
265	21.6	17.8	26.8





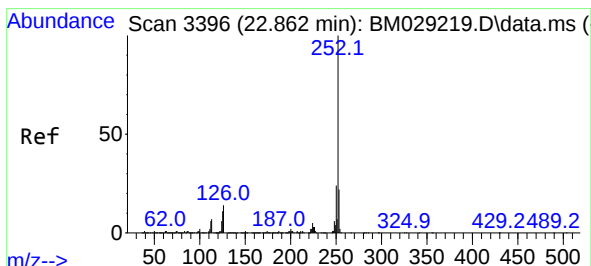
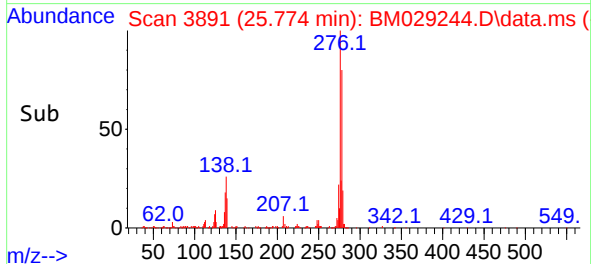
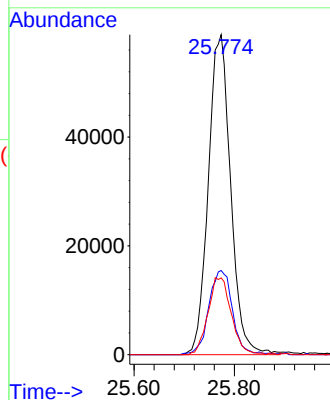
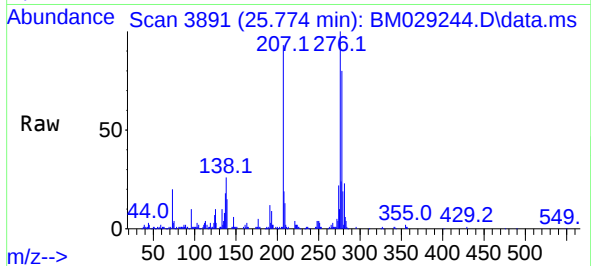
#87
Indeno(1,2,3-cd)pyrene
Concen: 4.16 ng
RT: 25.774 min Scan# 3891
Delta R.T. -0.006 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:	276	Resp:	182008
Ion Ratio	Lower	Upper	
276	100		
138	27.9	22.6	34.0
277	25.1	20.2	30.4

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

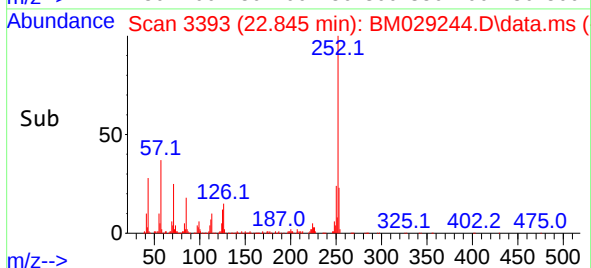
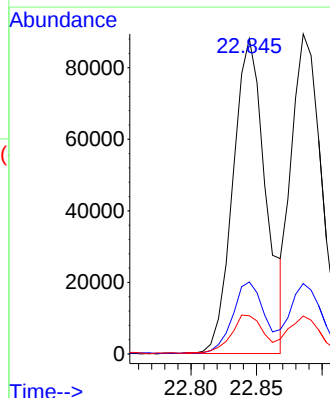
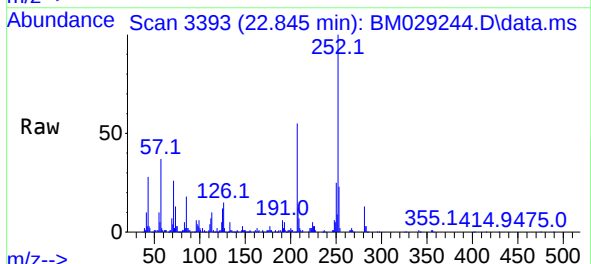
Manual Integrations
APPROVED

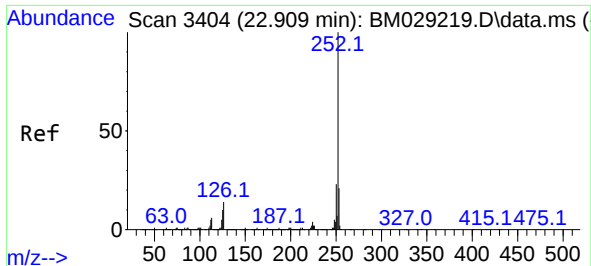
mohammad
3/30/2021 12:41:28 PM



#88
Benzo(b)fluoranthene
Concen: 3.93 ng
RT: 22.845 min Scan# 3393
Delta R.T. -0.000 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:	252	Resp:	152880
Ion Ratio	Lower	Upper	
252	100		
253	22.9	17.6	26.4
125	12.2	9.0	13.4





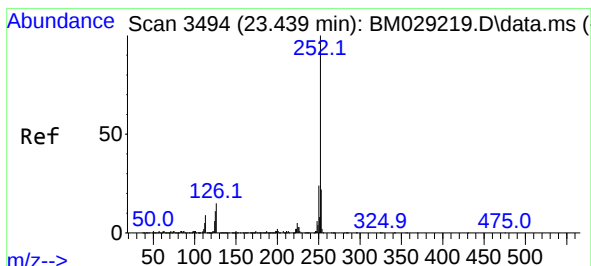
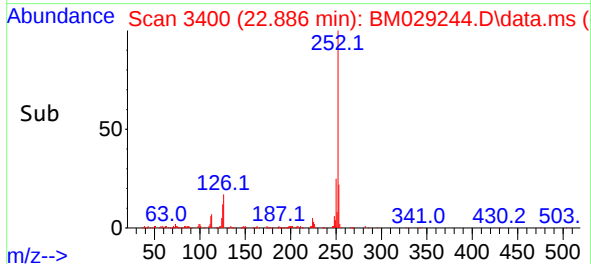
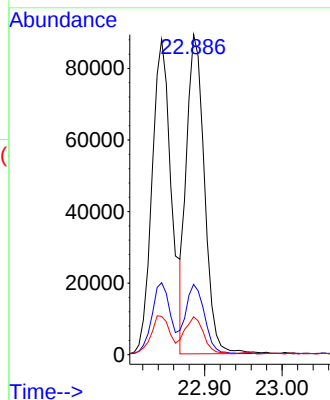
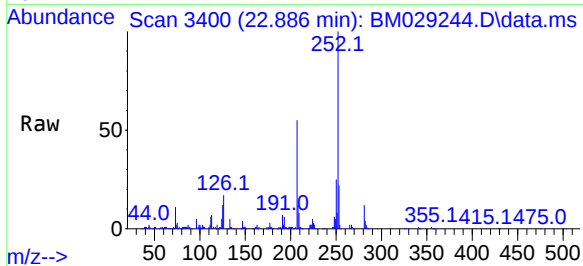
#89
Benzo(k)fluoranthene
Concen: 3.78 ng
RT: 22.886 min Scan# 3400
Delta R.T. -0.006 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

Tgt Ion:252 Resp: 142888
Ion Ratio Lower Upper
252 100
253 22.0 17.6 26.4
125 11.8 8.7 13.1

Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021

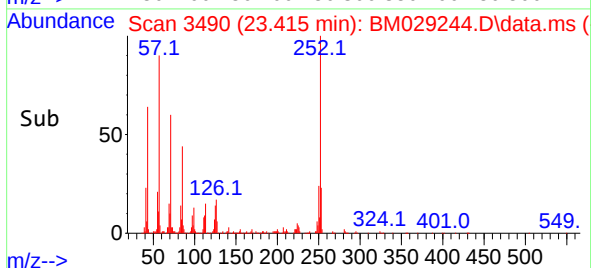
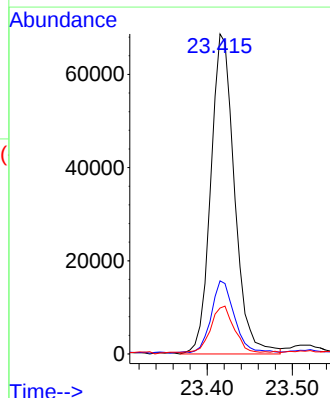
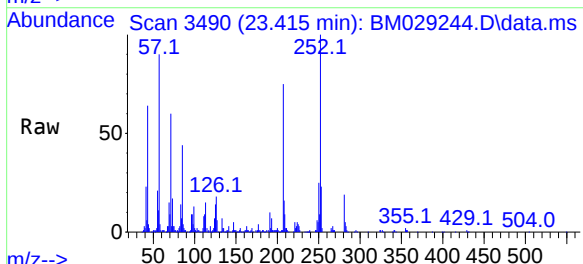
Manual Integrations
APPROVED

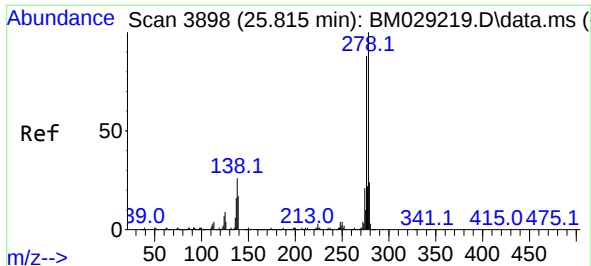
mohammad
3/30/2021 12:41:28 PM



#90
Benzo(a)pyrene
Concen: 3.78 ng
RT: 23.415 min Scan# 3490
Delta R.T. -0.006 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

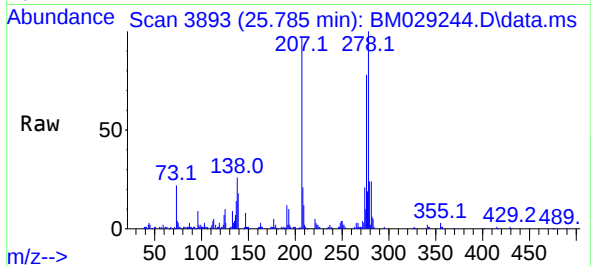
Tgt Ion:252 Resp: 133152
Ion Ratio Lower Upper
252 100
253 22.9 17.0 25.4
125 14.4 9.5 14.3#





#91
Dibenzo(a,h)anthracene
Concen: 4.00 ng
RT: 25.785 min Scan# 3893
Delta R.T. -0.006 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29

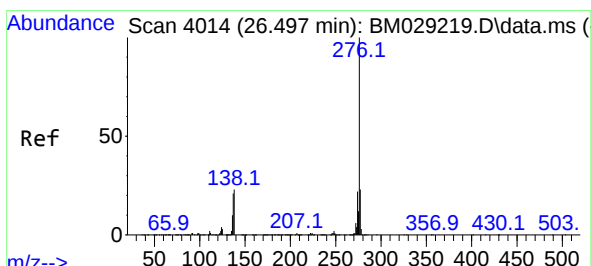
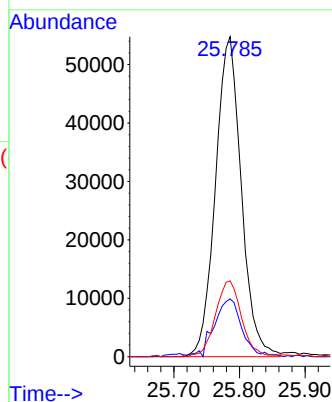
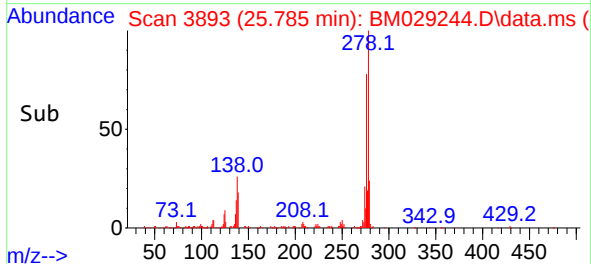
Instrument :
BNA_M
ClientSampleId :
MDL-SOIL-03-QT1-2021



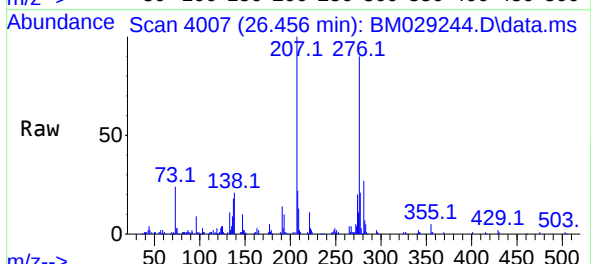
Tgt Ion:278 Resp: 149656
Ion Ratio Lower Upper
278 100
139 18.1 14.8 22.2
279 23.7 19.3 28.9

Manual Integrations
APPROVED

mohammad
3/30/2021 12:41:28 PM



#92
Benzo(g,h,i)perylene
Concen: 4.02 ng
RT: 26.456 min Scan# 4007
Delta R.T. -0.018 min
Lab File: BM029244.D
Acq: 29 Mar 2021 12:29



Tgt Ion:276 Resp: 147406
Ion Ratio Lower Upper
276 100
277 23.3 18.7 28.1
138 24.0 19.0 28.4

