

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121422\
 Data File : BP013107.D
 Acq On : 14 Dec 2022 16:01
 Operator : CG/JU
 Sample : N4955-03
 Misc : MDL-MDL-SOIL-4ng
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT4-2022

Quant Time: Dec 15 04:05:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 15 04:03:43 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Jagrut Upadhyay 12/15/2022
 Supervised By :mohammad ahmed 12/17/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.957	152	538318	20.000	ng	0.00
21) Naphthalene-d8	10.775	136	2150292	20.000	ng	0.00
39) Acenaphthene-d10	14.598	164	1333308	20.000	ng	0.00
64) Phenanthrene-d10	17.357	188	2498859	20.000	ng	0.00
76) Chrysene-d12	21.439	240	1688366	20.000	ng	0.00
86) Perylene-d12	23.927	264	1872104	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	2735388	92.843	ng	0.00
7) Phenol-d6	7.116	99	3585664	93.192	ng	0.00
23) Nitrobenzene-d5	9.128	82	2609562	66.532	ng	0.00
42) 2,4,6-Tribromophenol	16.092	330	1473715	91.675	ng	0.00
45) 2-Fluorobiphenyl	13.222	172	6520300	66.400	ng	0.00
79) Terphenyl-d14	19.910	244	6498327	75.934	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	3.381	88	46440	3.557	ng	96
3) Pyridine	3.805	79	107957	2.912	ng	97
4) n-Nitrosodimethylamine	3.699	42	55075	3.315	ng	# 93
6) Aniline	7.281	93	174391	3.743	ng	97
8) 2-Chlorophenol	7.516	128	117389	3.380	ng	96
9) Benzaldehyde	7.098	77	103148m	4.468	ng	
10) Phenol	7.140	94	143738	3.338	ng	90
11) bis(2-Chloroethyl)ether	7.381	93	121555	3.506	ng	97
12) 1,3-Dichlorobenzene	7.846	146	138474	3.427	ng	97
13) 1,4-Dichlorobenzene	7.993	146	140450	3.413	ng	99
14) 1,2-Dichlorobenzene	8.316	146	135887	3.479	ng	99
15) Benzyl Alcohol	8.198	79	89320	3.200	ng	96
16) 2,2'-oxybis(1-Chloropr...	8.493	45	181838	3.621	ng	97
17) 2-Methylphenol	8.398	107	87828	3.085	ng	97
18) Hexachloroethane	9.045	117	45293	3.250	ng	90
19) n-Nitroso-di-n-propyla...	8.769	70	85689	3.429	ng	99
20) 3+4-Methylphenols	8.728	107	114667	2.963	ng	98
22) Acetophenone	8.787	105	179157	3.348	ng	# 96
24) Nitrobenzene	9.169	77	142647	3.490	ng	96
25) Isophorone	9.698	82	218460	3.279	ng	99
26) 2-Nitrophenol	9.887	139	46005	2.459	ng	97
27) 2,4-Dimethylphenol	9.940	122	93500	3.317	ng	100
28) bis(2-Chloroethoxy)met...	10.181	93	157249	3.681	ng	98
29) 2,4-Dichlorophenol	10.416	162	95718	2.751	ng	95
30) 1,2,4-Trichlorobenzene	10.634	180	130953	3.189	ng	100
31) Naphthalene	10.822	128	386392	3.282	ng	99
33) 4-Chloroaniline	10.939	127	137103	3.122	ng	97
34) Hexachlorobutadiene	11.110	225	81933	3.128	ng	99
35) Caprolactam	11.716	113	21381m	2.380	ng	
36) 4-Chloro-3-methylphenol	12.051	107	93610	2.881	ng	96
37) 2-Methylnaphthalene	12.428	142	255733	3.230	ng	98
38) 1-Methylnaphthalene	12.645	142	251607	3.263	ng	99
40) 1,2,4,5-Tetrachloroben...	12.792	216	153367	3.224	ng	99
41) Hexachlorocyclopentadiene	12.775	237	68298	2.848	ng	100
43) 2,4,6-Trichlorophenol	13.033	196	76797	2.560	ng	97
44) 2,4,5-Trichlorophenol	13.104	196	86450	2.668	ng	98

Data Path : Z:\svoasrv\HPCHEM1\BNA_P\Data\BP121422\
 Data File : BP013107.D
 Acq On : 14 Dec 2022 16:01
 Operator : CG/JU
 Sample : N4955-03
 Misc : MDL-MDL-SOIL-4ng
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT4-2022

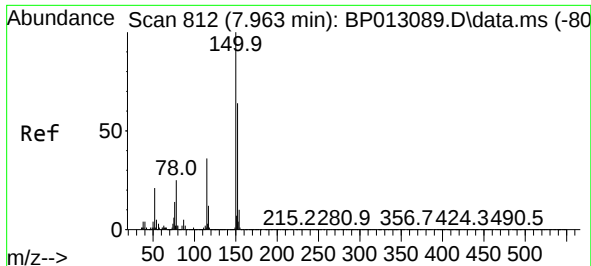
Quant Time: Dec 15 04:05:00 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_P\Methods\8270E-BP121322.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 15 04:03:43 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 12/15/2022
 Supervised By :mohammad ahmed 12/17/2022

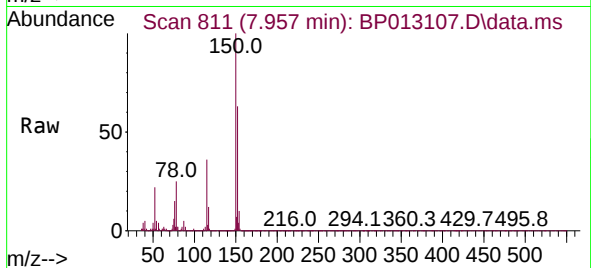
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
46) 1,1'-Biphenyl	13.433	154	365717	3.469	ng	100
47) 2-Chloronaphthalene	13.475	162	272967	3.258	ng	97
48) 2-Nitroaniline	13.681	65	46822	2.259	ng	96
49) Acenaphthylene	14.322	152	363667	2.951	ng	99
50) Dimethylphthalate	14.051	163	299535	3.071	ng	100
51) 2,6-Dinitrotoluene	14.175	165	48534	2.432	ng	91
52) Acenaphthene	14.663	154	244662	3.193	ng	97
53) 3-Nitroaniline	14.504	138	43783	2.152	ng	# 98
55) Dibenzofuran	14.998	168	405180	3.304	ng	100
57) 2,4-Dinitrotoluene	14.963	165	50708	2.033	ng	# 85
58) Fluorene	15.651	166	300965	3.171	ng	100
59) 2,3,4,6-Tetrachlorophenol	15.222	232	69700	2.516	ng	98
60) Diethylphthalate	15.416	149	259818	2.898	ng	99
61) 4-Chlorophenyl-phenyle...	15.639	204	160932	3.276	ng	98
63) Azobenzene	15.933	77	226421	2.717	ng	96
66) n-Nitrosodiphenylamine	15.857	169	237029	3.038	ng	99
67) 4-Bromophenyl-phenylether	16.539	248	89001	3.012	ng	99
68) Hexachlorobenzene	16.657	284	109005	3.151	ng	98
69) Atrazine	16.810	200	61026	2.788	ng	98
71) Phenanthrene	17.398	178	441920	3.108	ng	99
72) Anthracene	17.492	178	391282	2.931	ng	99
73) Carbazole	17.763	167	305693	2.612	ng	99
74) Di-n-butylphthalate	18.304	149	272814	2.119	ng	98
75) Fluoranthene	19.363	202	386105	2.523	ng	99
77) Benzidine	19.539	184	88550	3.692	ng	98
78) Pyrene	19.715	202	396334	3.267	ng	98
80) Butylbenzylphthalate	20.580	149	83253	2.117	ng	97
81) Benzo(a)anthracene	21.427	228	349026	3.024	ng	98
82) 3,3'-Dichlorobenzidine	21.357	252	93433	2.719	ng	94
83) Chrysene	21.480	228	359432	3.193	ng	99
84) Bis(2-ethylhexyl)phtha...	21.339	149	108312	2.025	ng	98
87) Indeno(1,2,3-cd)pyrene	26.521	276	424142	2.773	ng	98
88) Benzo(b)fluoranthene	23.162	252	347989	2.887	ng	99
89) Benzo(k)fluoranthene	23.209	252	351234	2.880	ng	97
90) Benzo(a)pyrene	23.815	252	296372	2.930	ng	99
91) Dibenzo(a,h)anthracene	26.539	278	373987	2.942	ng	98
92) Benzo(g,h,i)perylene	27.321	276	372933	2.961	ng	98

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.957 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

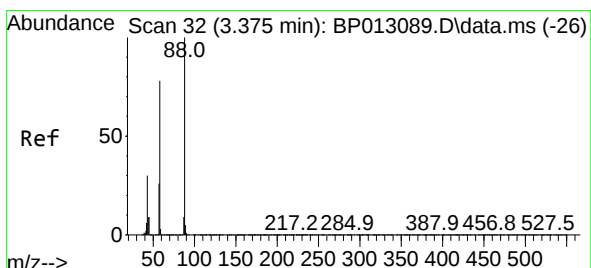
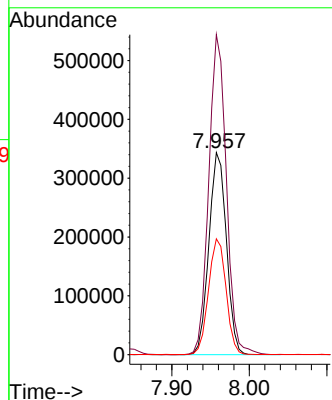
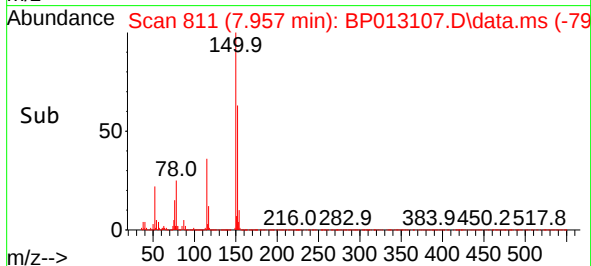
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:152 Resp: 538318
Ion Ratio Lower Upper
152 100
150 158.5 125.3 187.9
115 57.3 45.6 68.4

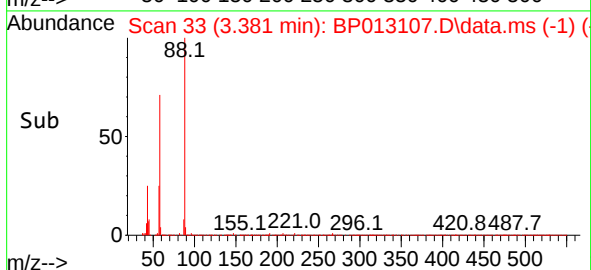
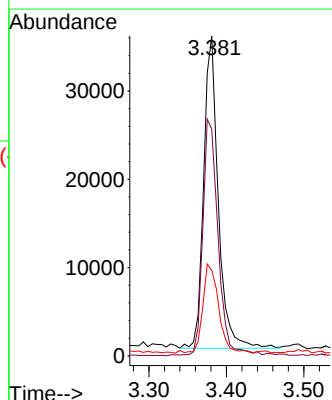
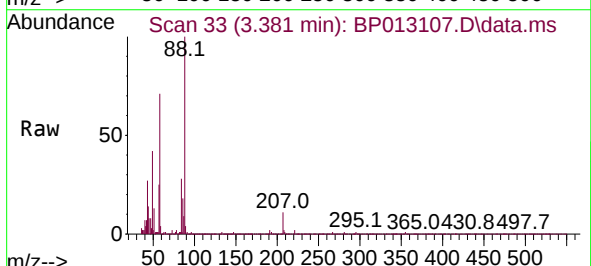
Manual Integrations
APPROVED

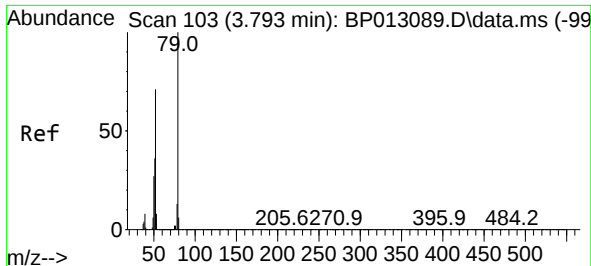
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#2
1,4-Dioxane
Concen: 3.557 ng
RT: 3.381 min Scan# 33
Delta R.T. 0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Tgt Ion: 88 Resp: 46440
Ion Ratio Lower Upper
88 100
58 79.5 60.1 90.1
43 29.9 23.5 35.3





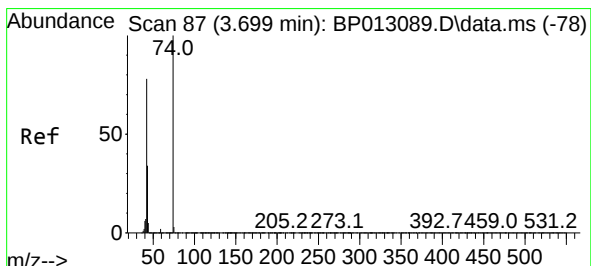
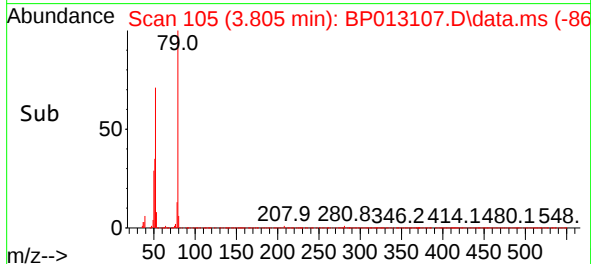
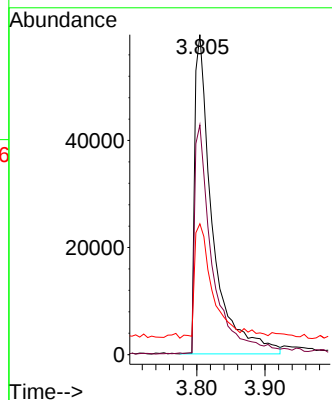
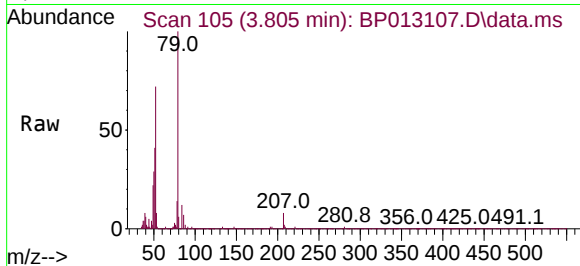
#3
Pyridine
Concen: 2.912 ng
RT: 3.805 min Scan# 103
Delta R.T. 0.012 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion: 79 Resp: 107952
Ion Ratio Lower Upper
79 100
52 71.8 57.0 85.4
51 40.9 29.1 43.7

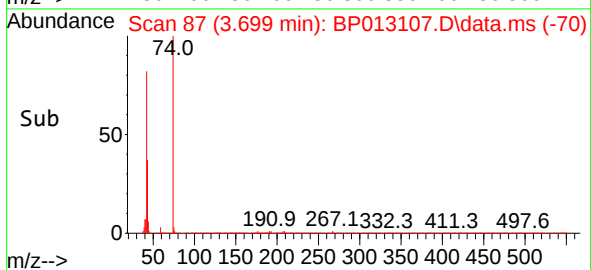
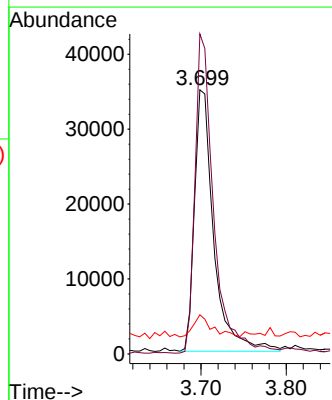
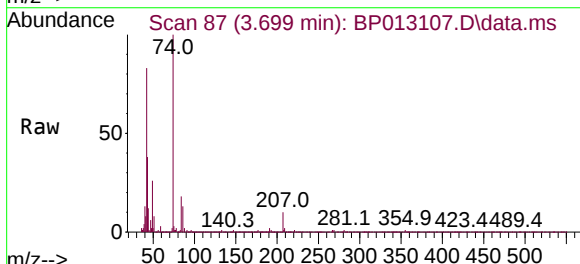
Manual Integrations
APPROVED

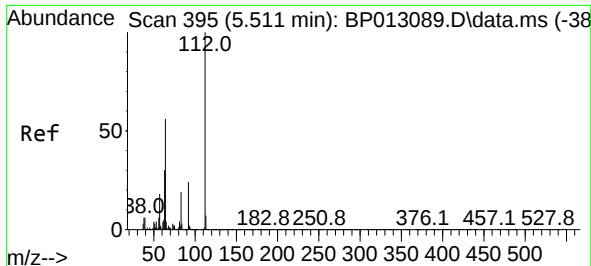
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#4
n-Nitrosodimethylamine
Concen: 3.315 ng
RT: 3.699 min Scan# 87
Delta R.T. -0.000 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

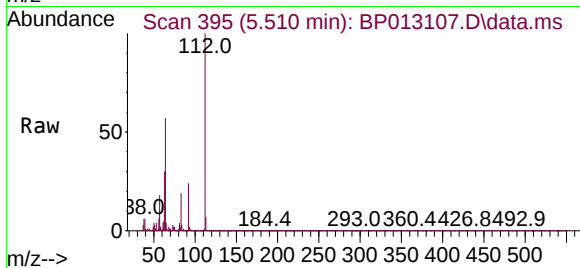
Tgt Ion: 42 Resp: 55075
Ion Ratio Lower Upper
42 100
74 121.2 102.7 154.1
44 14.8 5.6 8.4





#5
2-Fluorophenol
Concen: 92.843 ng
RT: 5.510 min Scan# 395
Delta R.T. -0.000 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

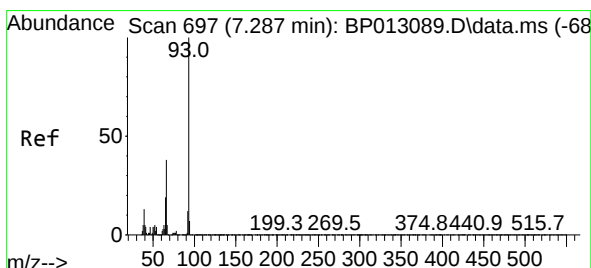
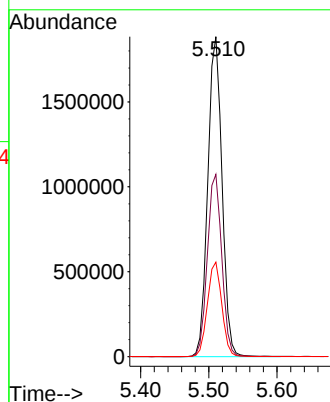
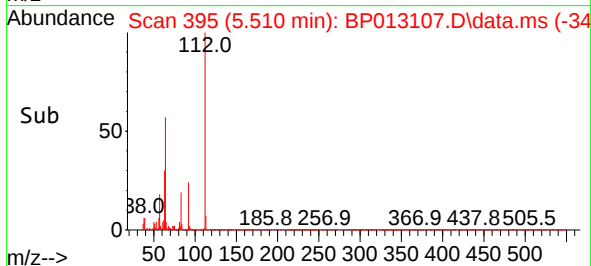
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022



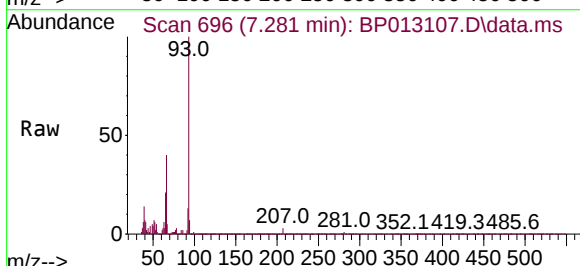
Tgt Ion: 112 Resp: 2735388
Ion Ratio Lower Upper
112 100
64 56.9 45.1 67.7
63 29.5 23.8 35.6

Manual Integrations
APPROVED

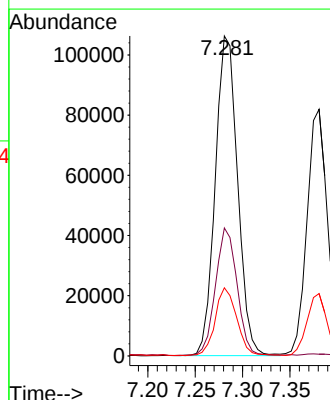
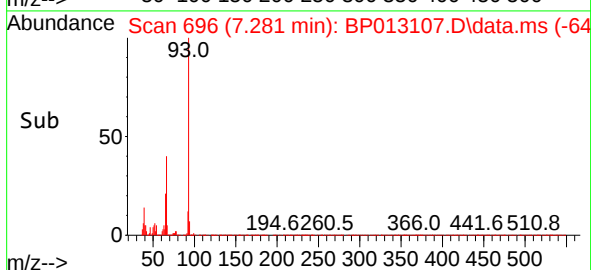
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022

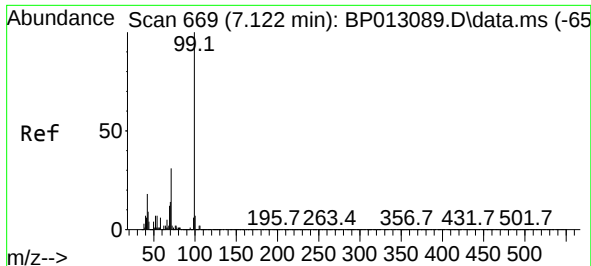


#6
Aniline
Concen: 3.743 ng
RT: 7.281 min Scan# 696
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01



Tgt Ion: 93 Resp: 174391
Ion Ratio Lower Upper
93 100
66 40.0 30.6 45.8
65 21.3 15.5 23.3





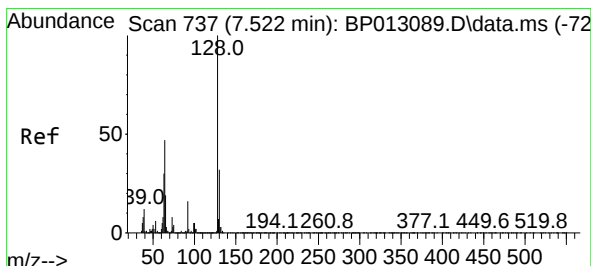
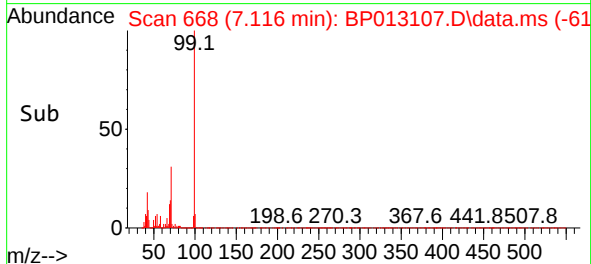
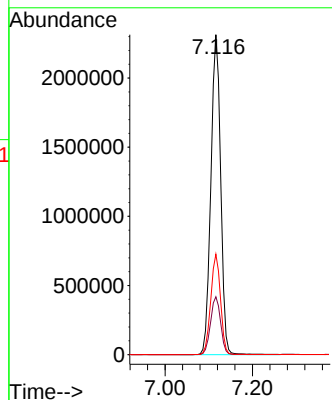
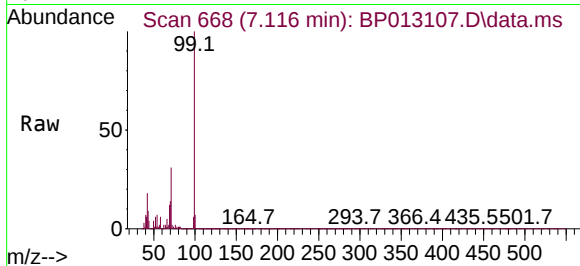
#7
Phenol-d6
Concen: 93.192 ng
RT: 7.116 min Scan# 60
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion: 99 Resp: 358566
Ion Ratio Lower Upper
99 100
42 18.1 14.2 21.4
71 31.4 24.7 37.1

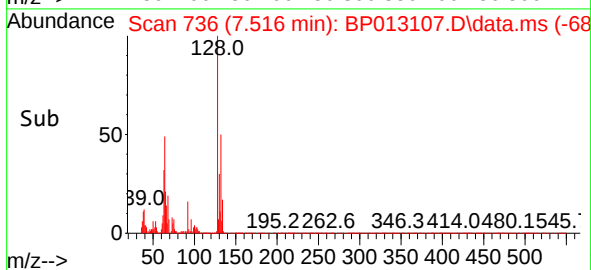
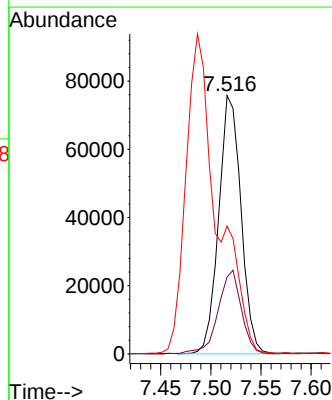
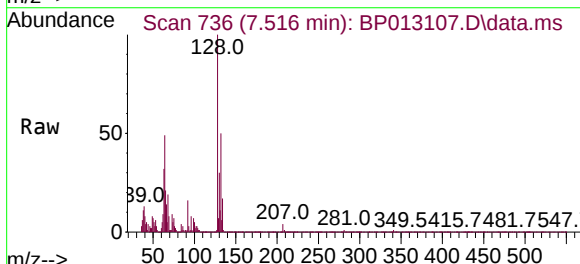
Manual Integrations
APPROVED

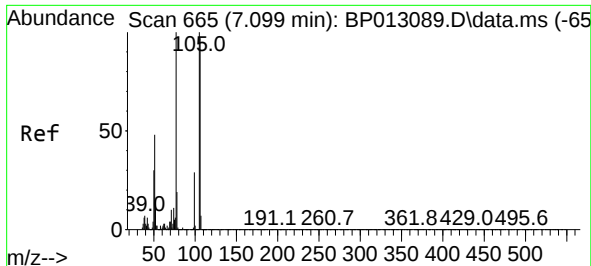
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#8
2-Chlorophenol
Concen: 3.380 ng
RT: 7.516 min Scan# 736
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

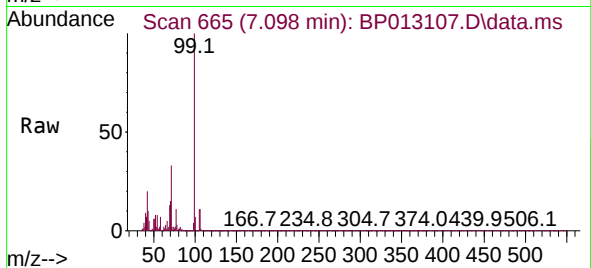
Tgt Ion:128 Resp: 117389
Ion Ratio Lower Upper
128 100
130 29.8 11.9 51.9
64 49.4 26.7 66.7





#9
Benzaldehyde
Concen: 4.468 ng m
RT: 7.098 min Scan# 60
Delta R.T. -0.000 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

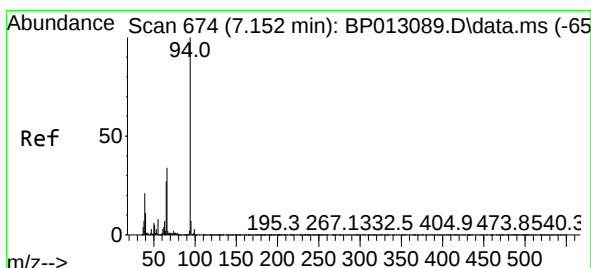
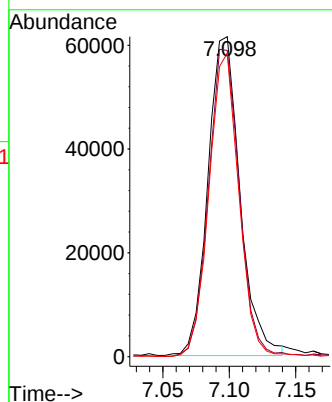
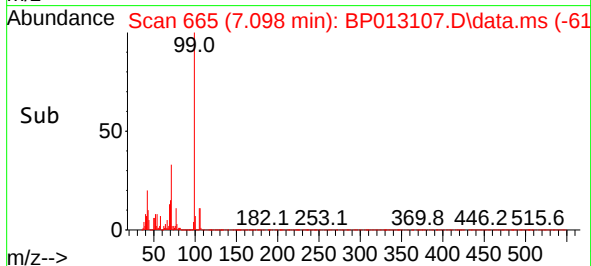
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022



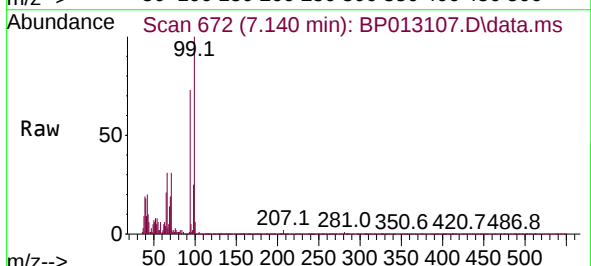
Tgt Ion: 77 Resp: 103148
Ion Ratio Lower Upper
77 100
105 95.7 80.1 120.1
106 94.8 76.6 116.6

Manual Integrations
APPROVED

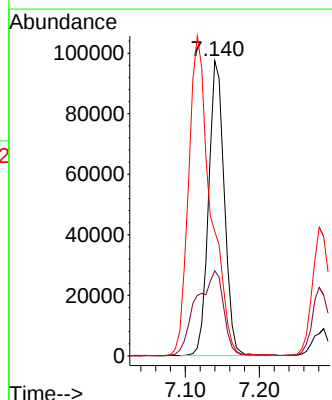
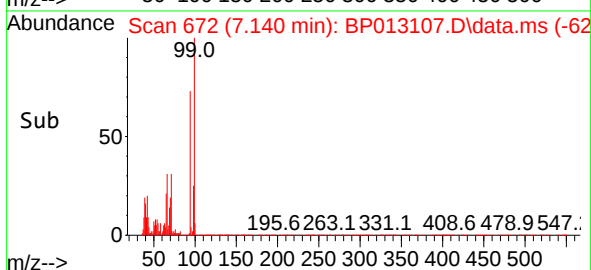
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022

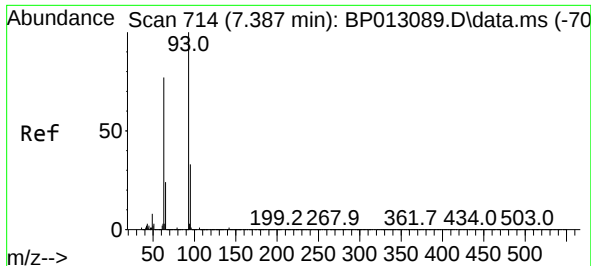


#10
Phenol
Concen: 3.338 ng
RT: 7.140 min Scan# 672
Delta R.T. -0.012 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01



Tgt Ion: 94 Resp: 143738
Ion Ratio Lower Upper
94 100
65 28.8 7.2 47.2
66 42.2 13.7 53.7





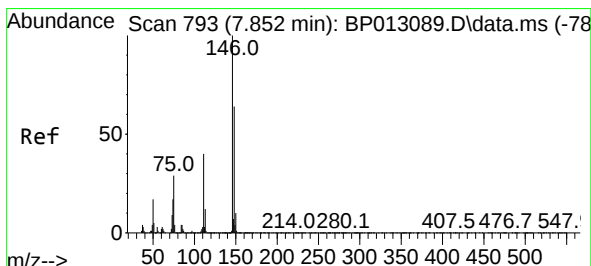
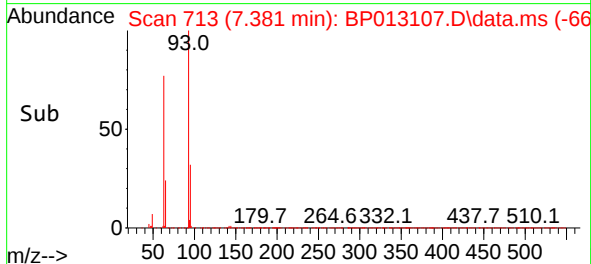
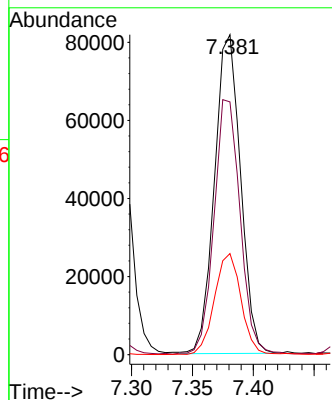
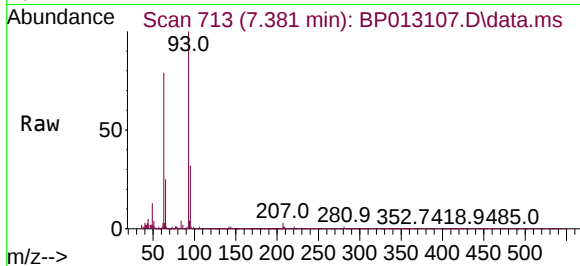
#11
bis(2-Chloroethyl)ether
Concen: 3.506 ng
RT: 7.381 min Scan# 714
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion: 93 Resp: 12155
Ion Ratio Lower Upper
93 100
63 79.0 56.3 96.3
95 31.6 13.0 53.0

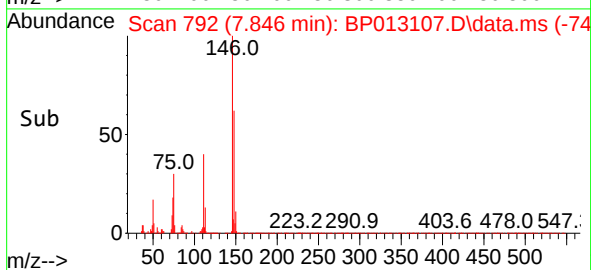
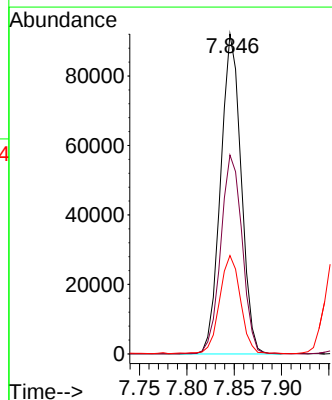
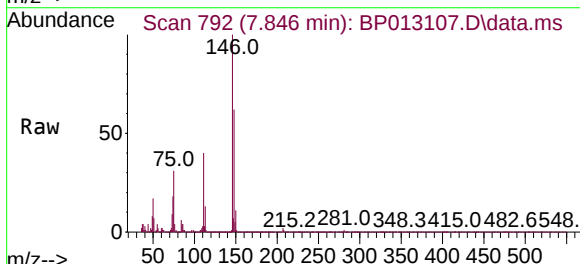
Manual Integrations
APPROVED

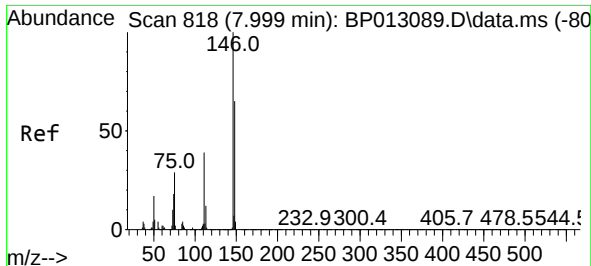
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#12
1,3-Dichlorobenzene
Concen: 3.427 ng
RT: 7.846 min Scan# 792
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Tgt Ion:146 Resp: 138474
Ion Ratio Lower Upper
146 100
148 62.1 51.5 77.3
75 30.7 23.0 34.4





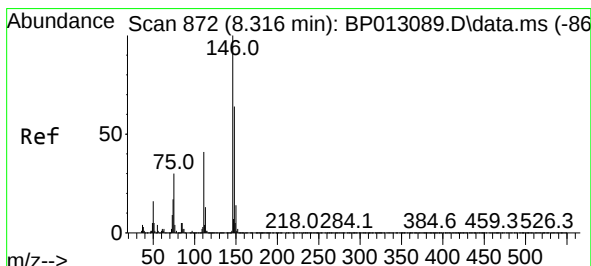
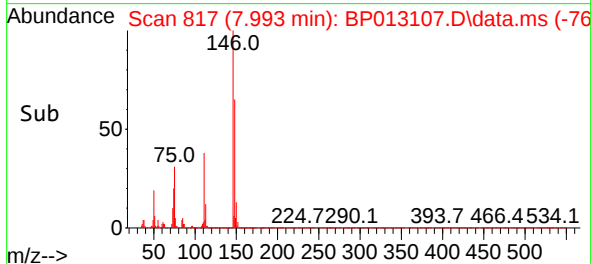
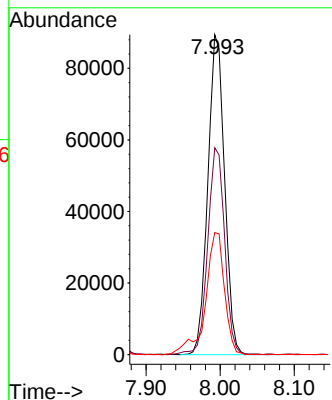
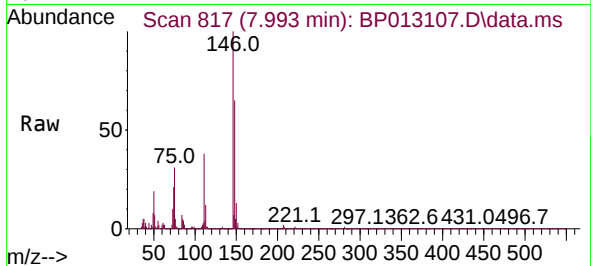
#13
1,4-Dichlorobenzene
Concen: 3.413 ng
RT: 7.993 min Scan# 818
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion:146 Resp: 140450
Ion Ratio Lower Upper
146 100
148 64.6 51.9 77.9
111 38.1 31.3 46.9

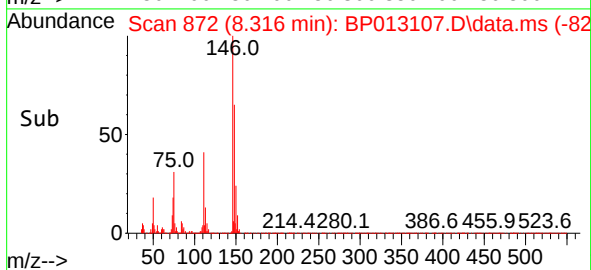
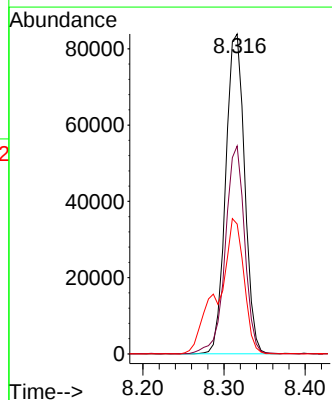
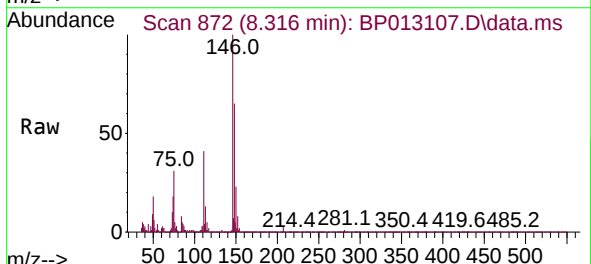
Manual Integrations
APPROVED

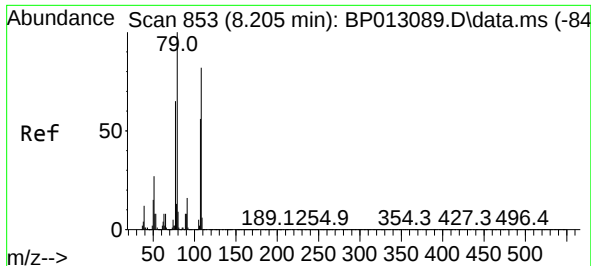
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#14
1,2-Dichlorobenzene
Concen: 3.479 ng
RT: 8.316 min Scan# 872
Delta R.T. -0.000 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Tgt Ion:146 Resp: 135887
Ion Ratio Lower Upper
146 100
148 65.0 51.0 76.6
111 40.6 32.6 49.0





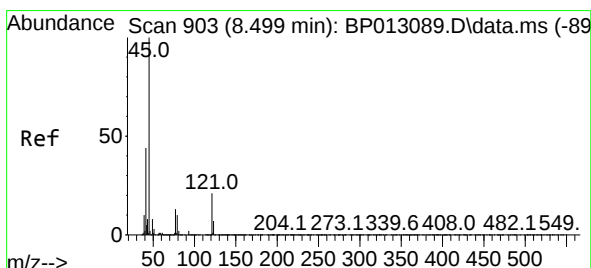
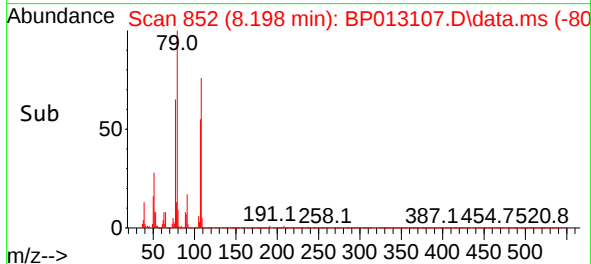
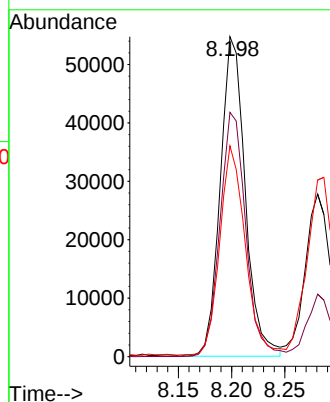
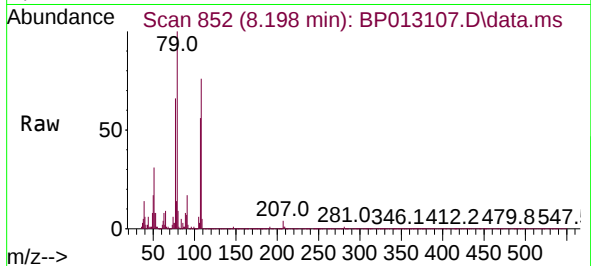
#15
Benzyl Alcohol
Concen: 3.200 ng
RT: 8.198 min Scan# 81
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion: 79 Resp: 89320
Ion Ratio Lower Upper
79 100
108 76.3 65.3 97.9
77 65.8 51.9 77.9

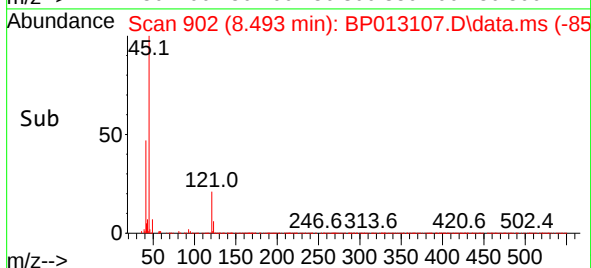
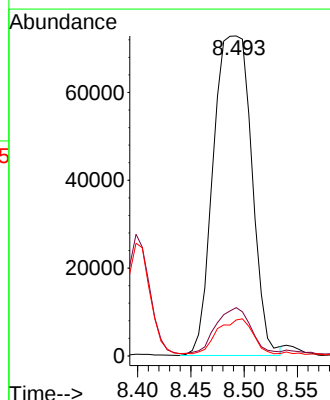
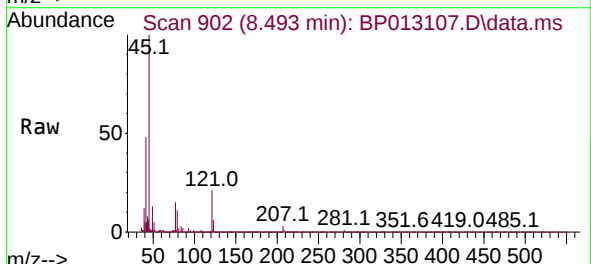
Manual Integrations
APPROVED

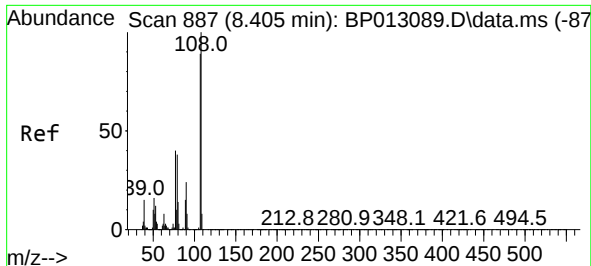
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.621 ng
RT: 8.493 min Scan# 902
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Tgt Ion: 45 Resp: 181838
Ion Ratio Lower Upper
45 100
77 15.1 0.0 33.6
79 11.2 0.0 30.6





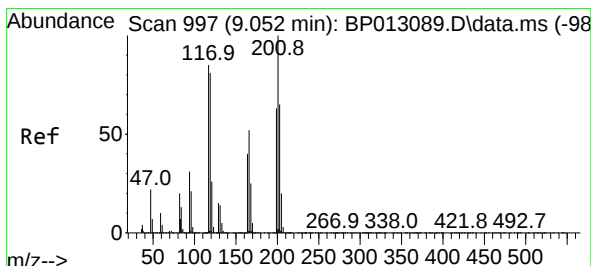
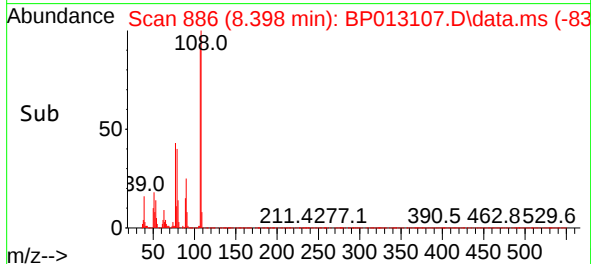
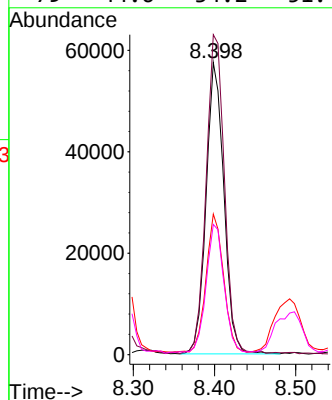
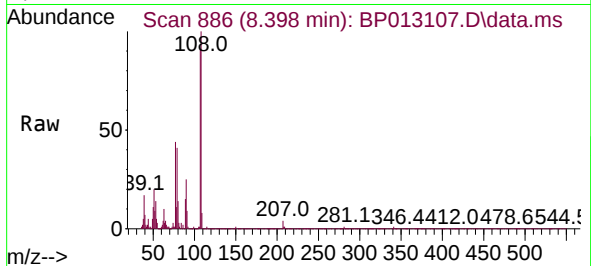
#17
2-Methylphenol
Concen: 3.085 ng
RT: 8.398 min Scan# 887
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion:107 Resp: 87828
Ion Ratio Lower Upper
107 100
108 109.6 89.6 134.4
77 48.1 35.5 53.3
79 44.6 34.2 51.4

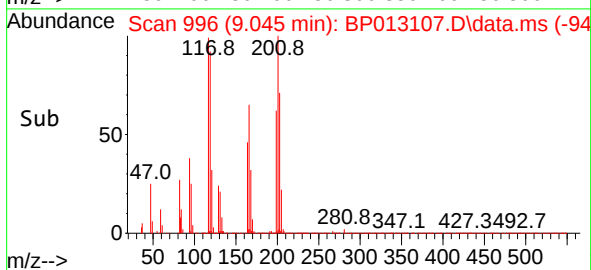
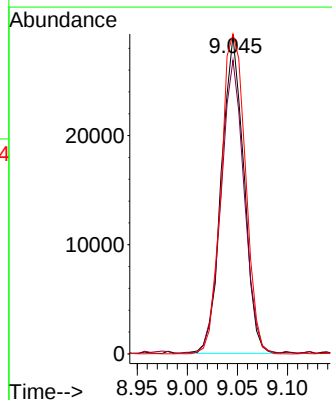
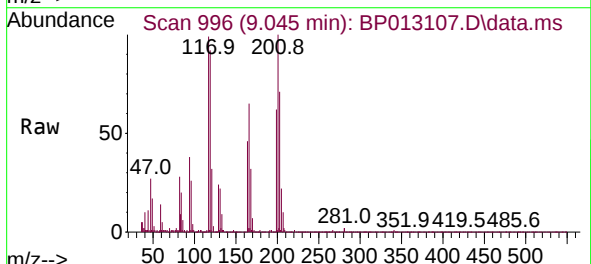
Manual Integrations
APPROVED

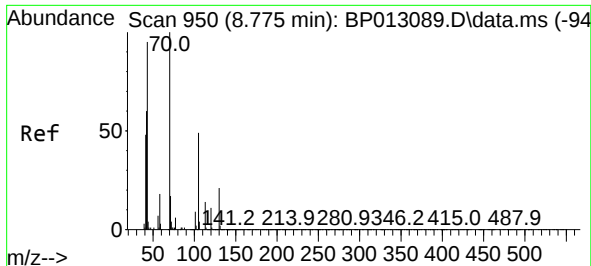
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#18
Hexachloroethane
Concen: 3.250 ng
RT: 9.045 min Scan# 996
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Tgt Ion:117 Resp: 45293
Ion Ratio Lower Upper
117 100
119 92.3 76.7 115.1
201 100.6 94.6 141.8





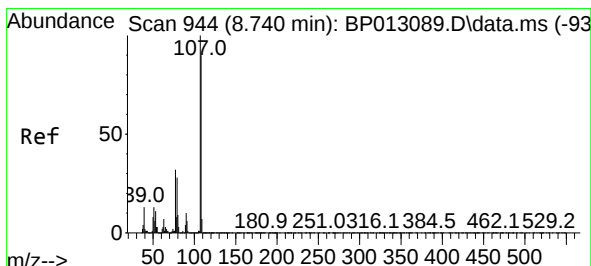
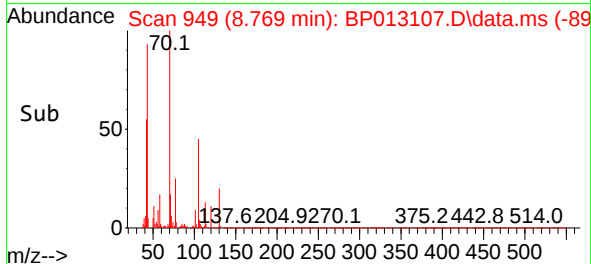
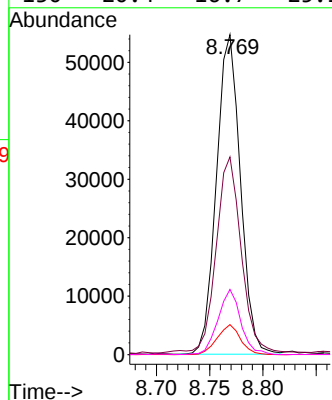
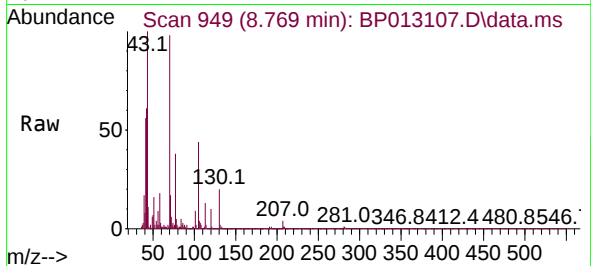
#19
n-Nitroso-di-n-propylamine
Concen: 3.429 ng
RT: 8.769 min Scan# 94
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion: 70 Resp: 85689
Ion Ratio Lower Upper
70 100
42 61.8 48.5 72.7
101 9.4 7.4 11.2
130 20.4 16.7 25.1

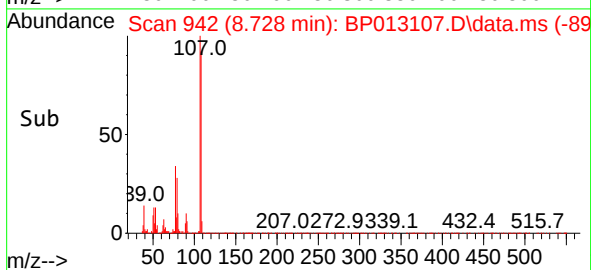
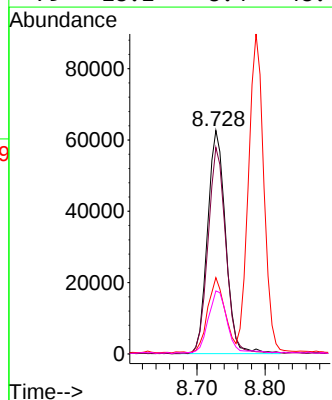
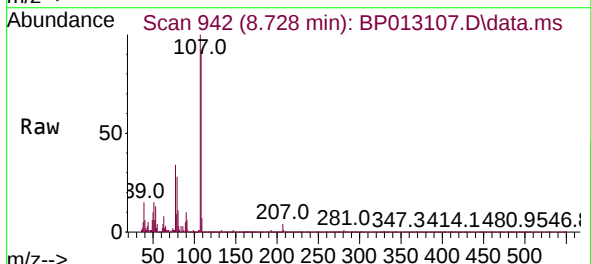
Manual Integrations
APPROVED

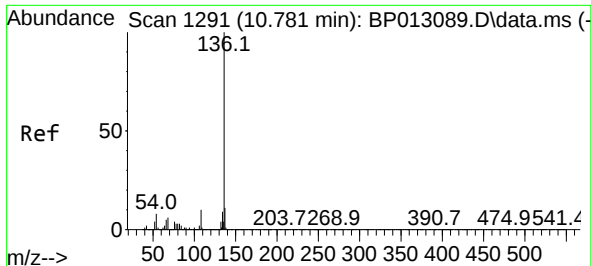
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#20
3+4-Methylphenols
Concen: 2.963 ng
RT: 8.728 min Scan# 942
Delta R.T. -0.012 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

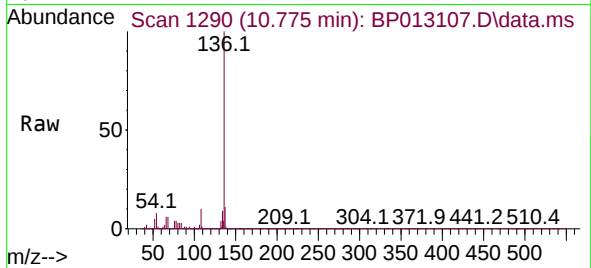
Tgt Ion:107 Resp: 114667
Ion Ratio Lower Upper
107 100
108 92.4 70.5 110.5
77 34.1 12.2 52.2
79 28.2 8.4 48.4





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.775 min Scan# 1290
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

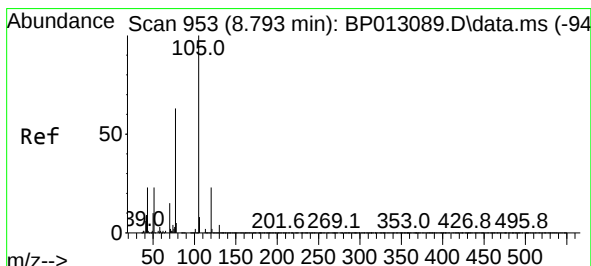
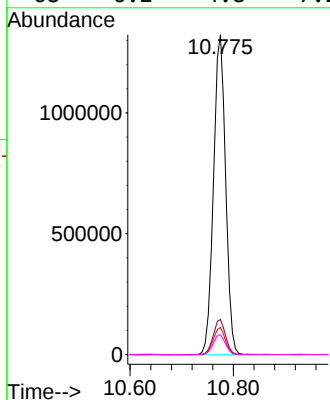
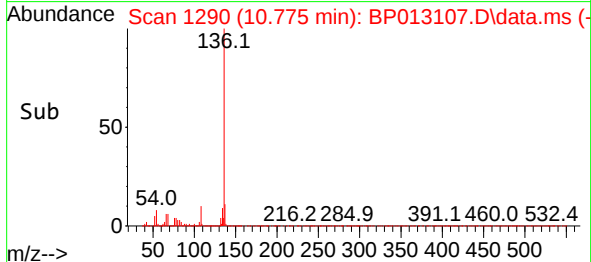
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT4-2022



Tgt Ion:136 Resp: 2150292
Ion Ratio Lower Upper
136 100
137 11.0 8.7 13.1
54 8.5 6.2 9.4
68 6.2 4.8 7.2

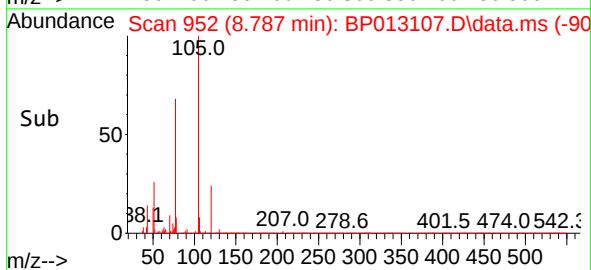
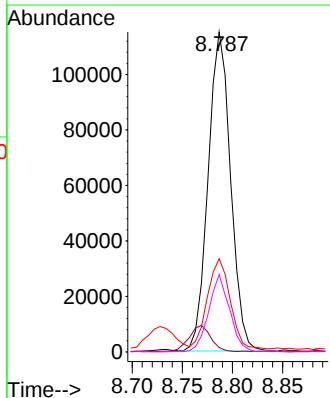
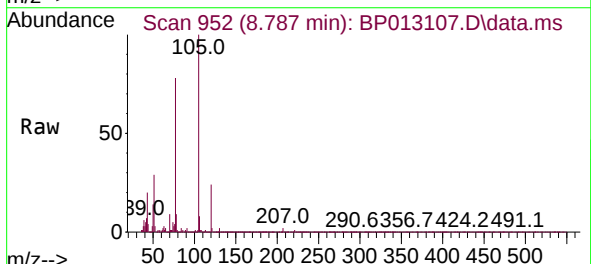
Manual Integrations
APPROVED

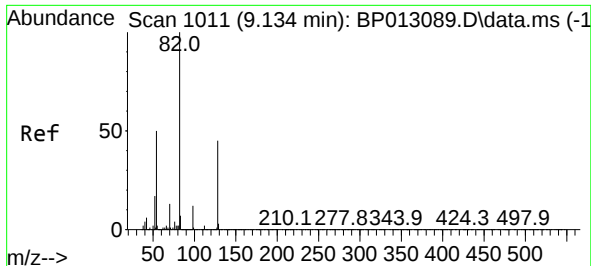
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#22
Acetophenone
Concen: 3.348 ng
RT: 8.787 min Scan# 952
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Tgt Ion:105 Resp: 179157
Ion Ratio Lower Upper
105 100
71 1.4 2.2 3.4#
51 29.1 21.5 32.3
120 24.2 18.2 27.2





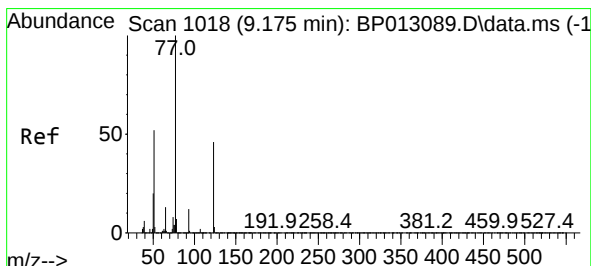
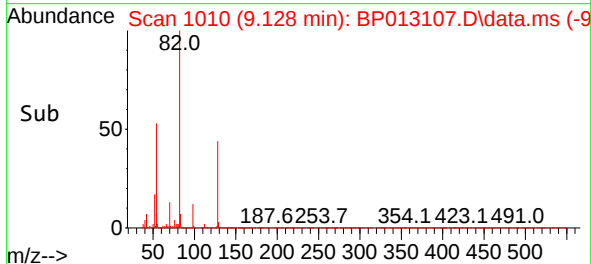
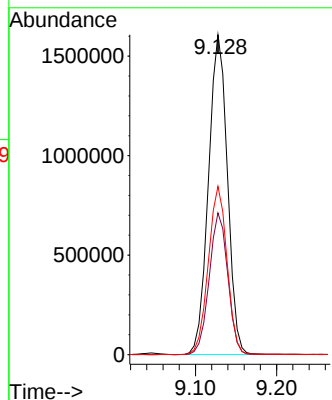
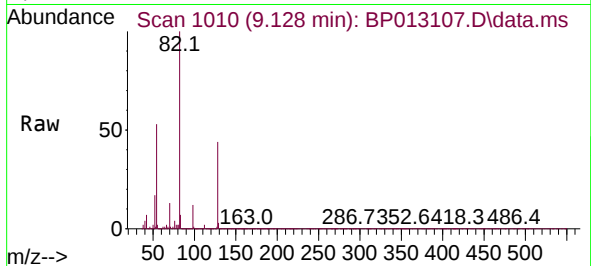
#23
Nitrobenzene-d5
Concen: 66.532 ng
RT: 9.128 min Scan# 10
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion: 82 Resp: 2609562
Ion Ratio Lower Upper
82 100
128 44.3 35.9 53.9
54 52.6 40.4 60.6

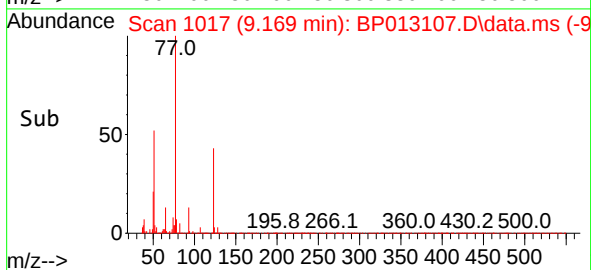
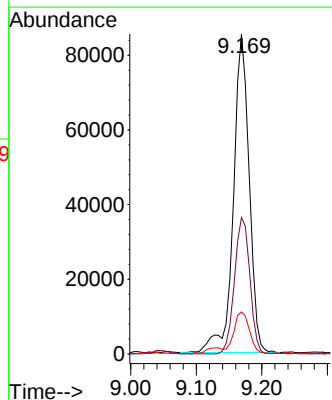
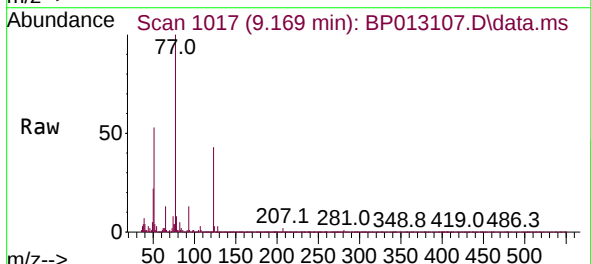
Manual Integrations
APPROVED

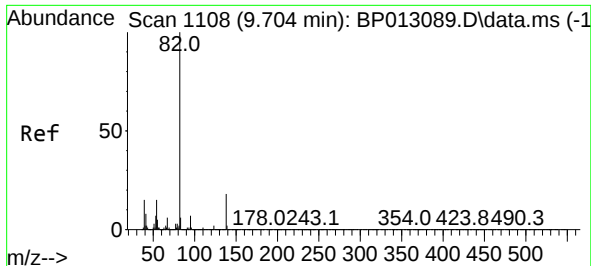
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#24
Nitrobenzene
Concen: 3.490 ng
RT: 9.169 min Scan# 1017
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

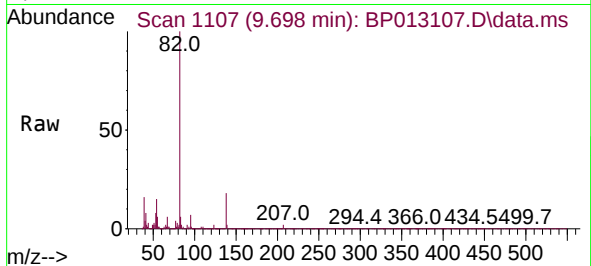
Tgt Ion: 77 Resp: 142647
Ion Ratio Lower Upper
77 100
123 42.6 37.0 55.4
65 13.2 10.7 16.1





#25
Isophorone
Concen: 3.279 ng
RT: 9.698 min Scan# 1107
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

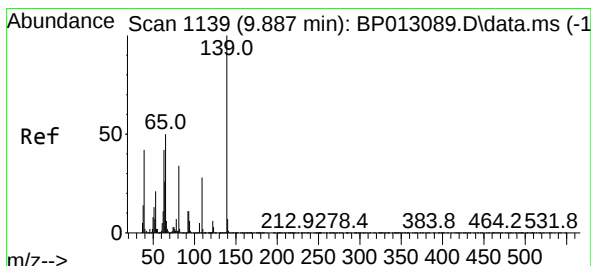
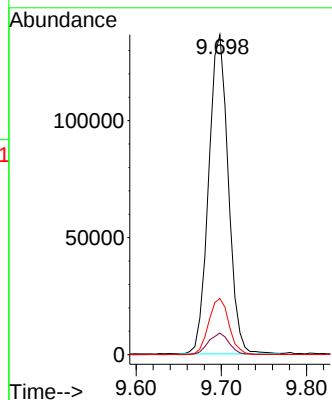
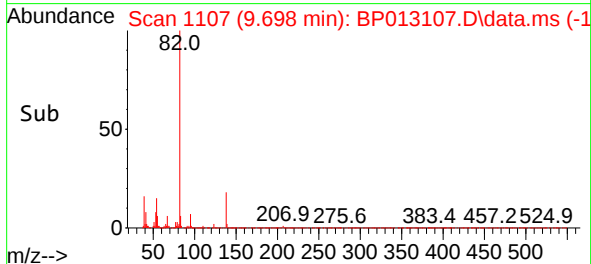
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion: 82 Resp: 218460
Ion Ratio Lower Upper
82 100
95 6.7 5.4 8.0
138 17.5 14.5 21.7

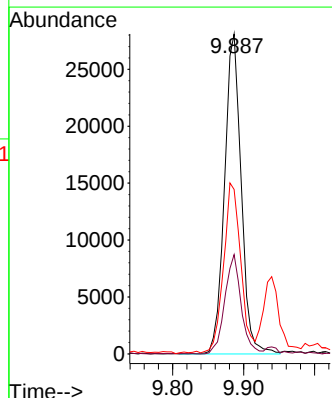
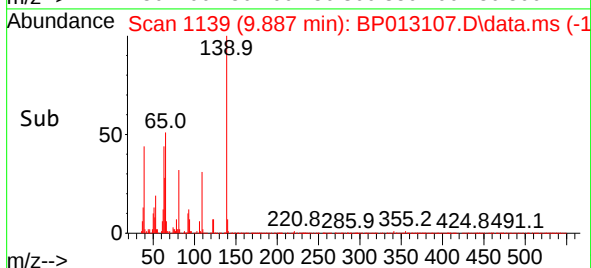
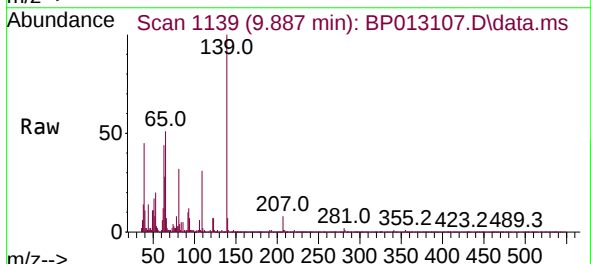
Manual Integrations
APPROVED

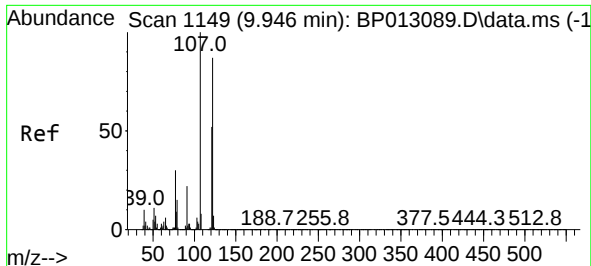
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#26
2-Nitrophenol
Concen: 2.459 ng
RT: 9.887 min Scan# 1139
Delta R.T. -0.000 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Tgt Ion:139 Resp: 46005
Ion Ratio Lower Upper
139 100
109 31.1 22.5 33.7
65 51.4 39.9 59.9





#27

2,4-Dimethylphenol

Concen: 3.317 ng

RT: 9.940 min Scan# 1149

Delta R.T. -0.006 min

Lab File: BP013107.D

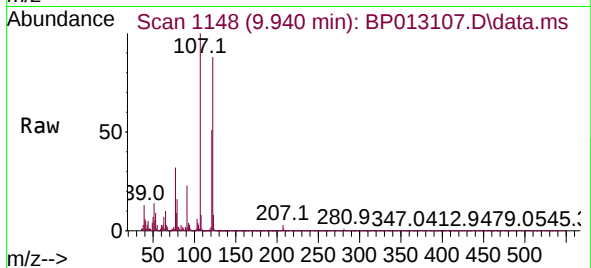
Acq: 14 Dec 2022 16:01

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2022

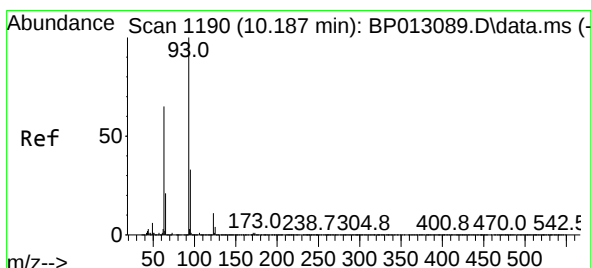
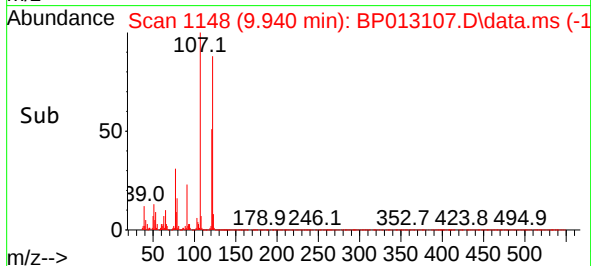
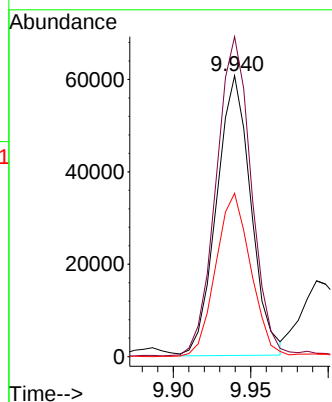


Tgt Ion:	122	Resp:	93500
Ion Ratio	Lower	Upper	
122	100		
107	113.9	91.1	136.7
121	58.1	47.0	70.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#28

bis(2-Chloroethoxy)methane

Concen: 3.681 ng

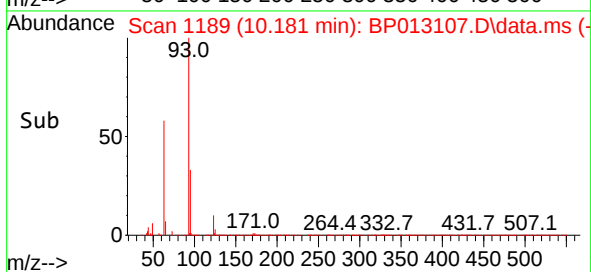
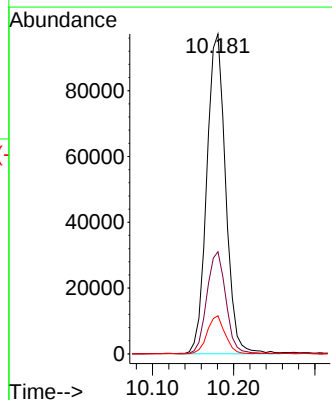
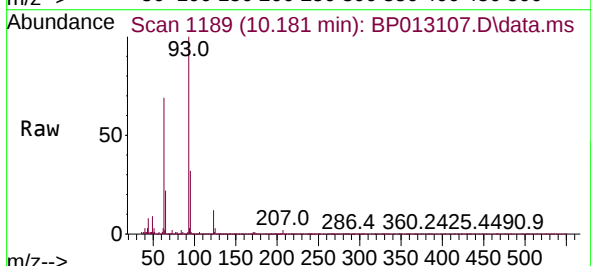
RT: 10.181 min Scan# 1189

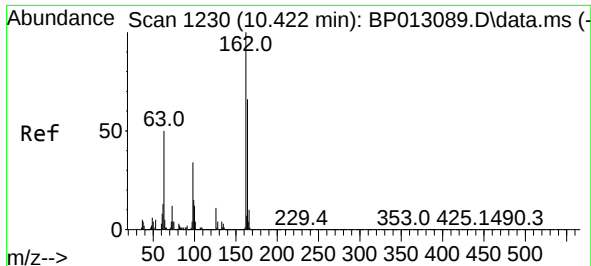
Delta R.T. -0.006 min

Lab File: BP013107.D

Acq: 14 Dec 2022 16:01

Tgt Ion:	93	Resp:	157249
Ion Ratio	Lower	Upper	
93	100		
95	31.9	26.4	39.6
123	11.9	9.2	13.8





#29

2,4-Dichlorophenol

Concen: 2.751 ng

RT: 10.416 min Scan# 1229

Delta R.T. -0.006 min

Lab File: BP013107.D

Acq: 14 Dec 2022 16:01

Instrument :

BNA_P

ClientSampleId :

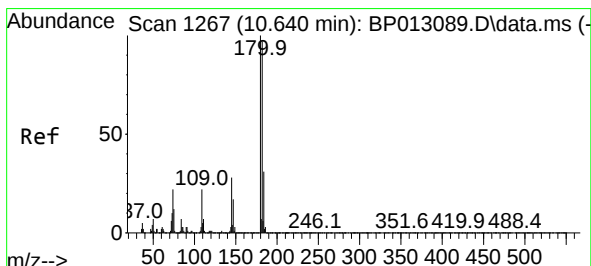
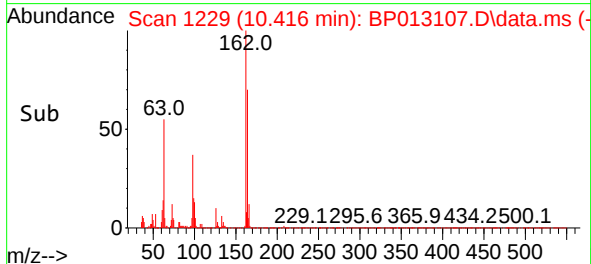
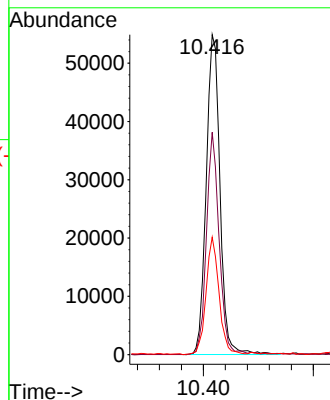
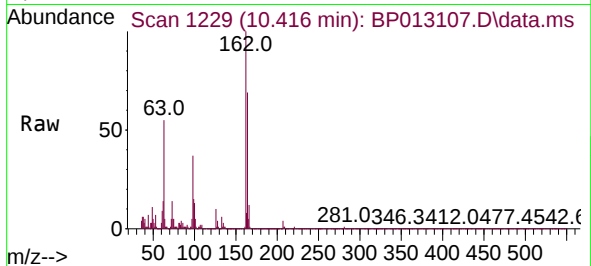
MDL-SOIL-03-QT4-2022

Tgt Ion:	162	Resp:	95718
Ion Ratio	Lower	Upper	
162	100		
164	69.5	45.8	85.8
98	36.7	13.8	53.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#30

1,2,4-Trichlorobenzene

Concen: 3.189 ng

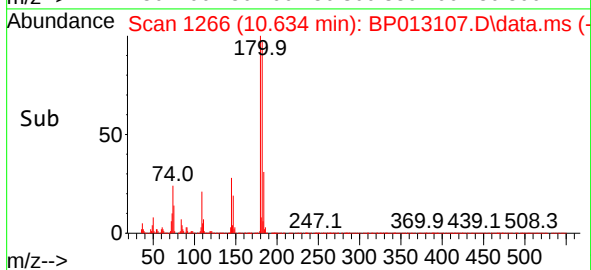
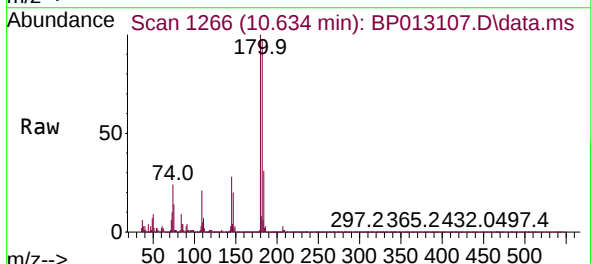
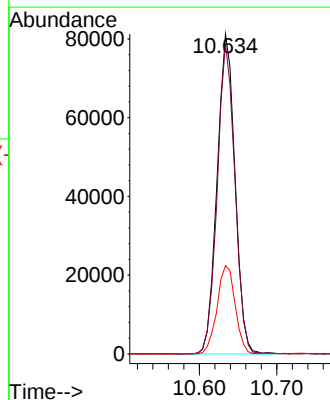
RT: 10.634 min Scan# 1266

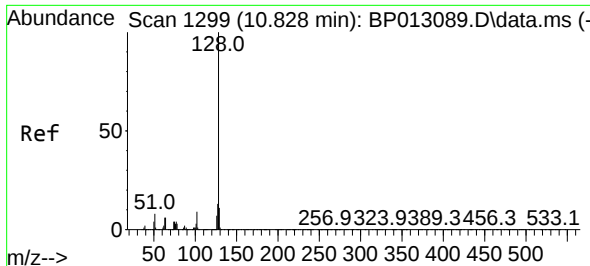
Delta R.T. -0.006 min

Lab File: BP013107.D

Acq: 14 Dec 2022 16:01

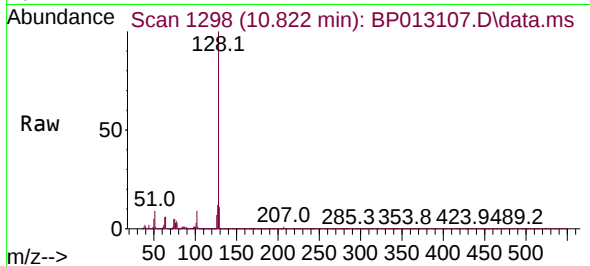
Tgt Ion:	180	Resp:	130953
Ion Ratio	Lower	Upper	
180	100		
182	97.1	77.8	116.6
145	27.6	22.6	33.8





#31
Naphthalene
Concen: 3.282 ng
RT: 10.822 min Scan# 1299
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

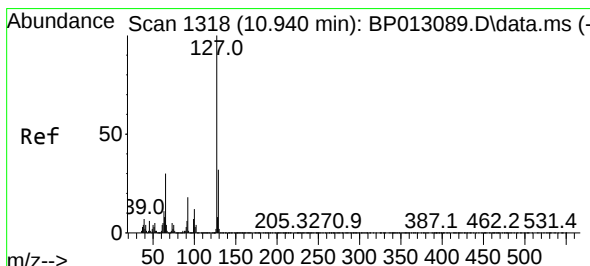
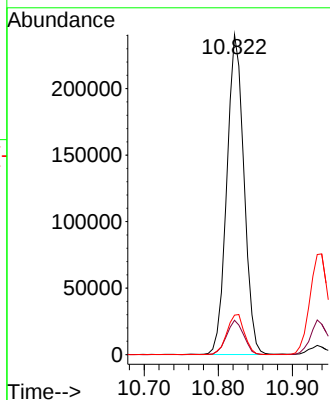
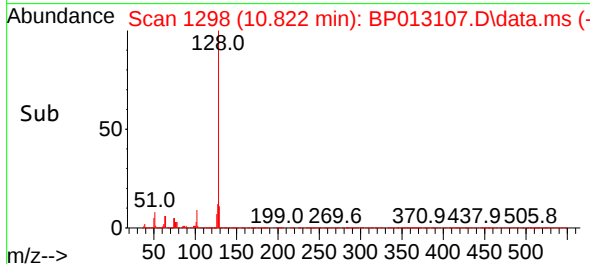
Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT4-2022



Tgt Ion:128 Resp: 386392
Ion Ratio Lower Upper
128 100
129 10.7 8.8 13.2
127 12.3 10.4 15.6

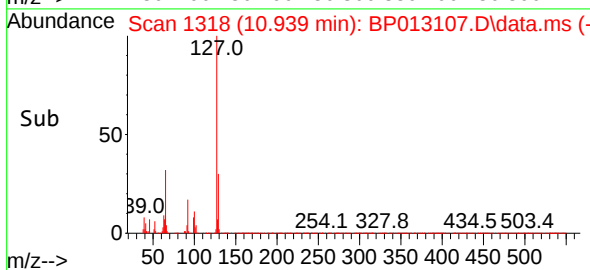
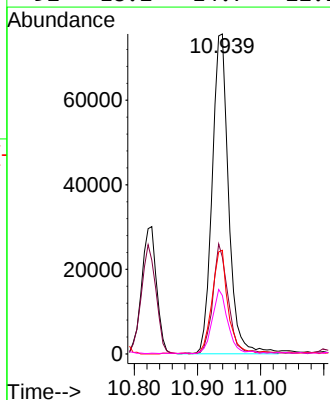
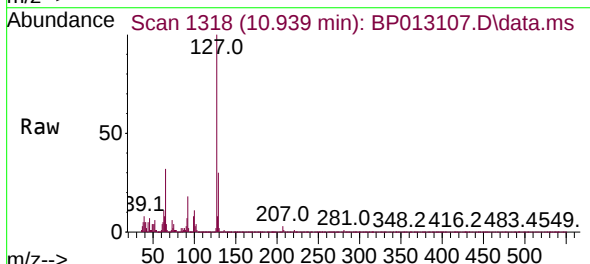
Manual Integrations
APPROVED

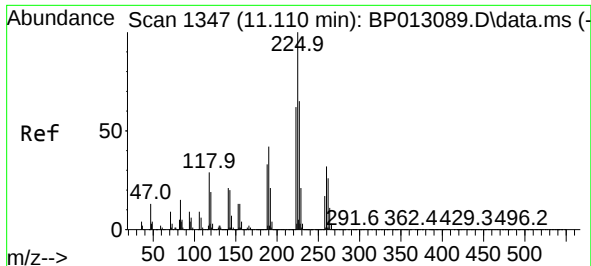
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#33
4-Chloroaniline
Concen: 3.122 ng
RT: 10.939 min Scan# 1318
Delta R.T. -0.000 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

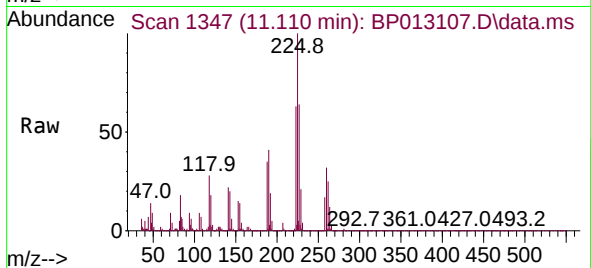
Tgt Ion:127 Resp: 137103
Ion Ratio Lower Upper
127 100
129 30.2 25.5 38.3
65 32.4 23.8 35.8
92 18.2 14.7 22.1





#34
Hexachlorobutadiene
Concen: 3.128 ng
RT: 11.110 min Scan# 1347
Delta R.T. -0.000 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

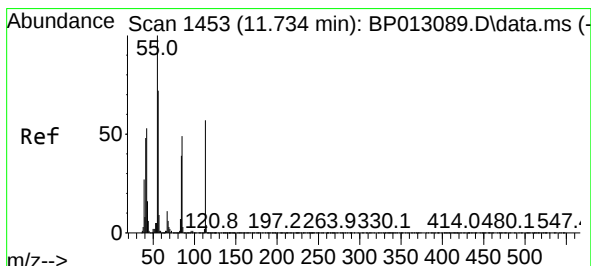
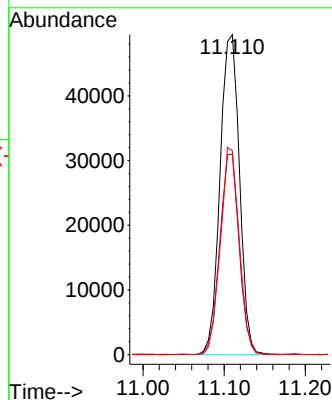
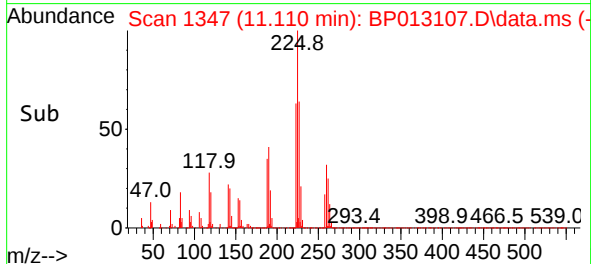
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022



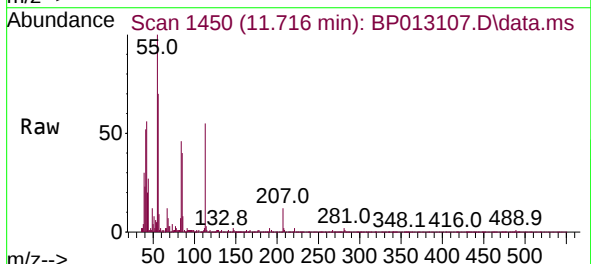
Tgt Ion:225 Resp: 81933
Ion Ratio Lower Upper
225 100
223 62.7 49.4 74.0
227 63.8 52.0 78.0

Manual Integrations
APPROVED

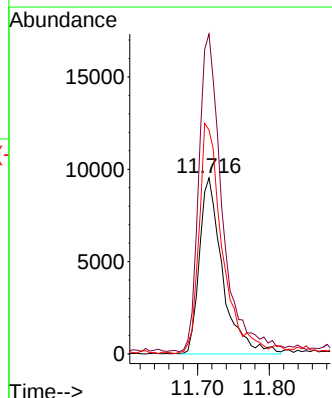
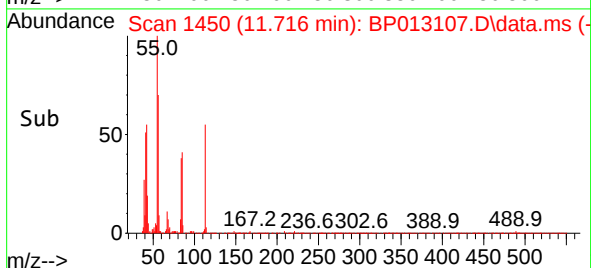
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022

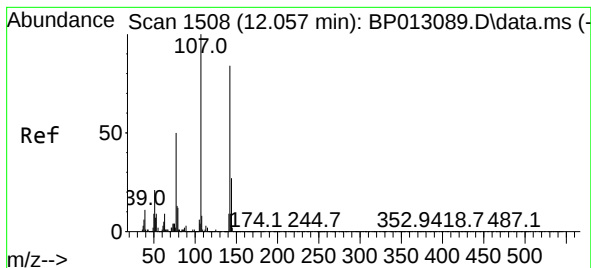


#35
Caprolactam
Concen: 2.380 ng m
RT: 11.716 min Scan# 1450
Delta R.T. -0.018 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01



Tgt Ion:113 Resp: 21381
Ion Ratio Lower Upper
113 100
55 182.0 155.5 195.5
56 127.3 106.7 146.7





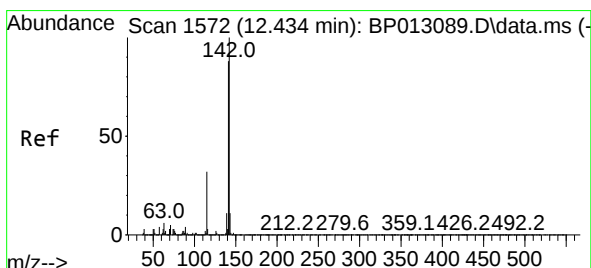
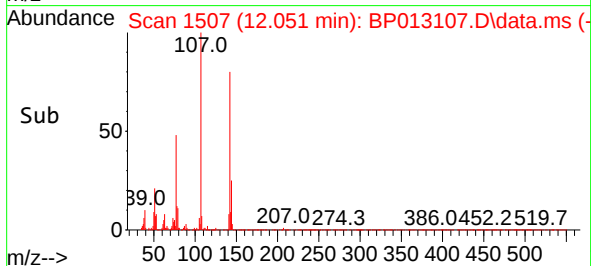
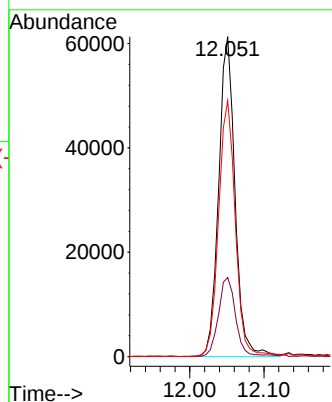
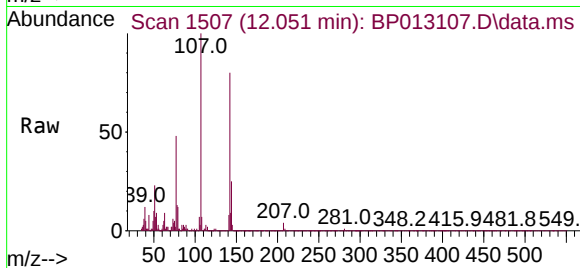
#36
4-Chloro-3-methylphenol
Concen: 2.881 ng
RT: 12.051 min Scan# 1508
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion:107 Resp: 93610
Ion Ratio Lower Upper
107 100
144 24.7 21.5 32.3
142 80.0 67.2 100.8

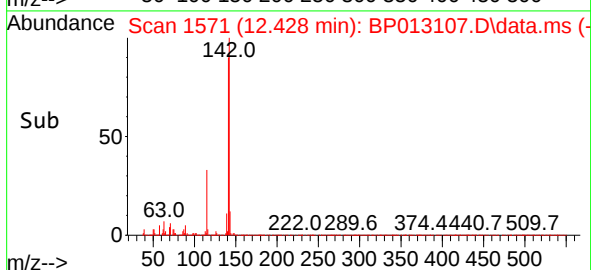
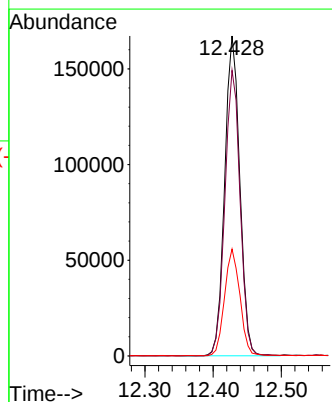
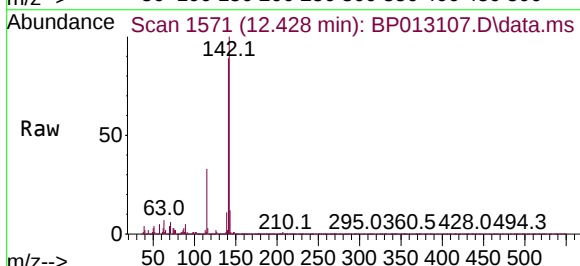
Manual Integrations
APPROVED

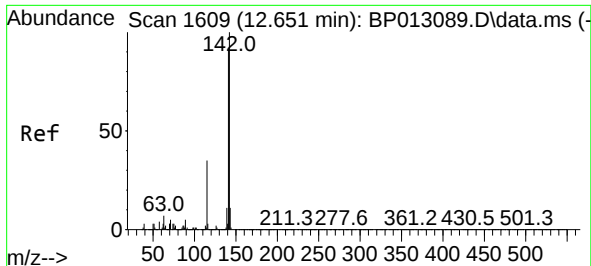
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#37
2-Methylnaphthalene
Concen: 3.230 ng
RT: 12.428 min Scan# 1571
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Tgt Ion:142 Resp: 255733
Ion Ratio Lower Upper
142 100
141 89.2 70.4 105.6
115 33.4 25.7 38.5





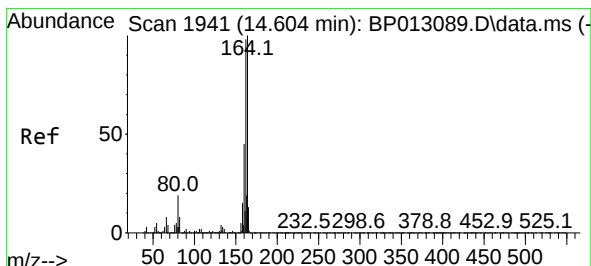
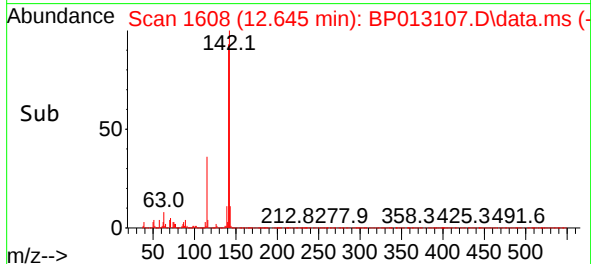
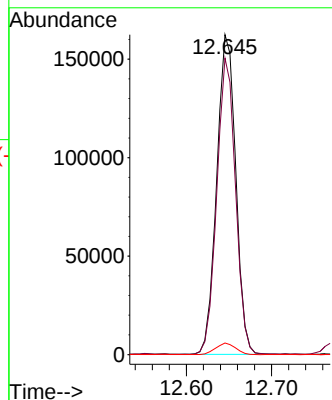
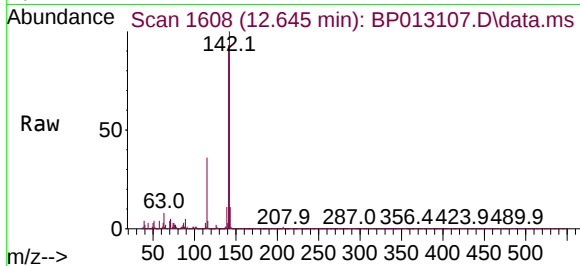
#38
1-Methylnaphthalene
Concen: 3.263 ng
RT: 12.645 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion:142 Resp: 251607
Ion Ratio Lower Upper
142 100
141 92.6 73.0 109.4
116 3.6 2.8 4.2

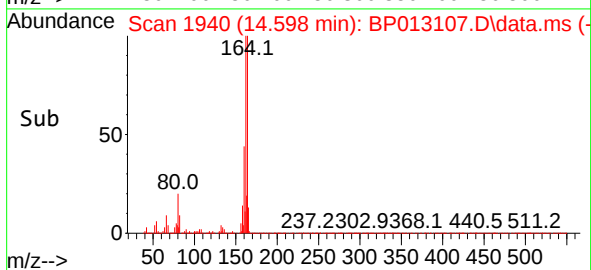
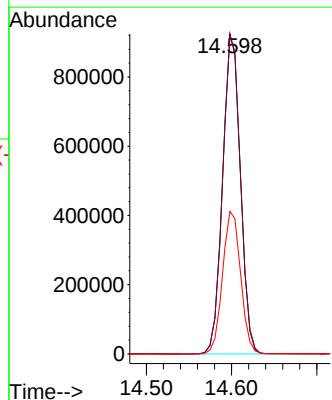
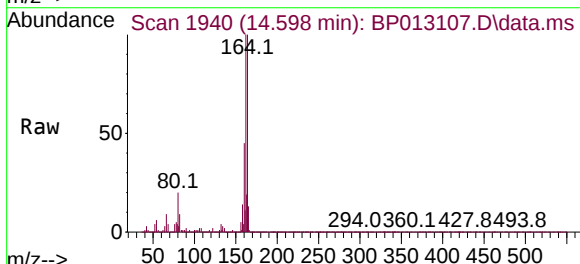
Manual Integrations
APPROVED

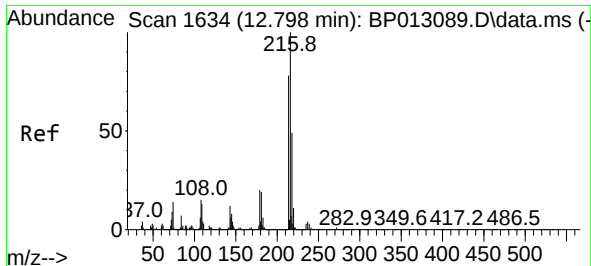
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 14.598 min Scan# 1940
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Tgt Ion:164 Resp: 1333308
Ion Ratio Lower Upper
164 100
162 99.7 78.8 118.2
160 44.5 36.0 54.0





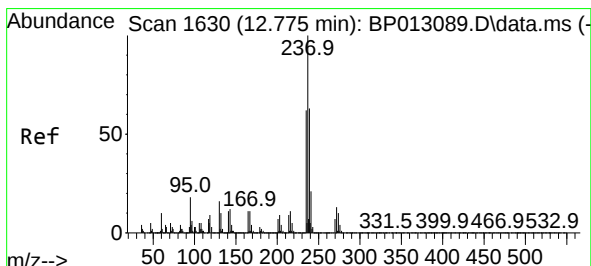
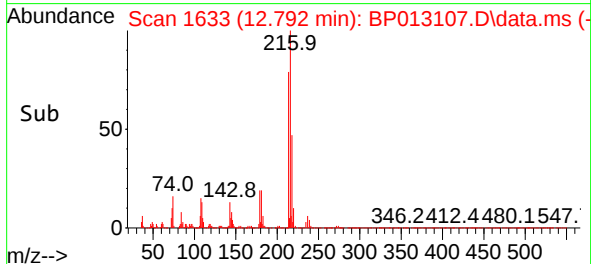
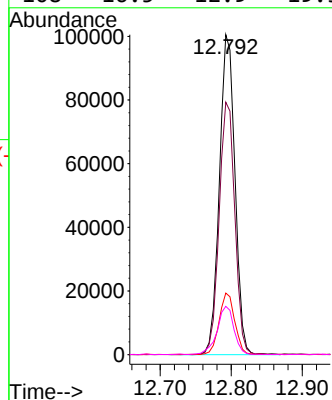
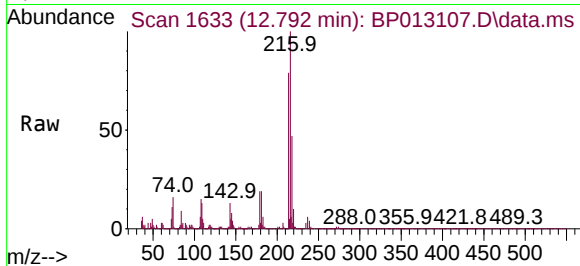
#40
1,2,4,5-Tetrachlorobenzene
Concen: 3.224 ng
RT: 12.792 min Scan# 1633
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion:216 Resp: 153362
Ion Ratio Lower Upper
216 100
214 79.6 62.6 94.0
179 19.3 15.7 23.5
108 16.5 12.9 19.3

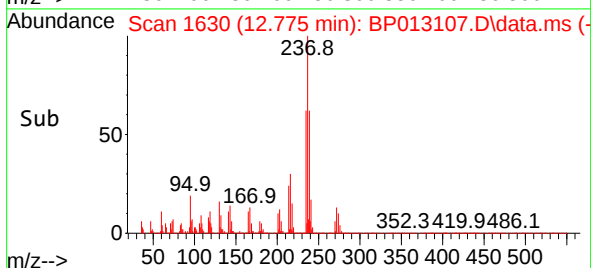
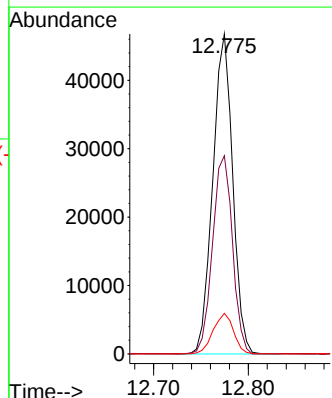
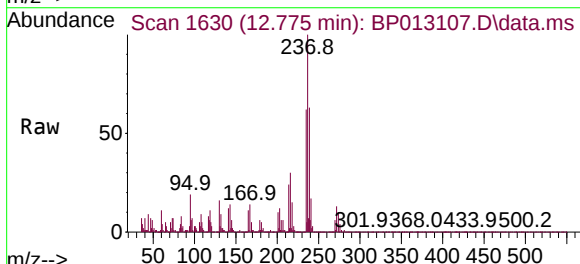
Manual Integrations
APPROVED

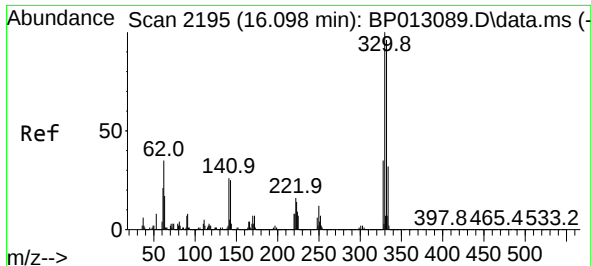
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#41
Hexachlorocyclopentadiene
Concen: 2.848 ng
RT: 12.775 min Scan# 1630
Delta R.T. -0.000 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

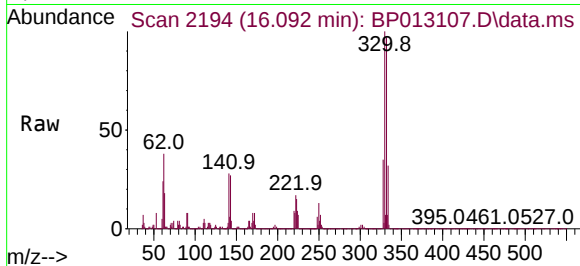
Tgt Ion:237 Resp: 68298
Ion Ratio Lower Upper
237 100
235 61.9 41.8 81.8
272 12.7 0.0 32.7





#42
2,4,6-Tribromophenol
Concen: 91.675 ng
RT: 16.092 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

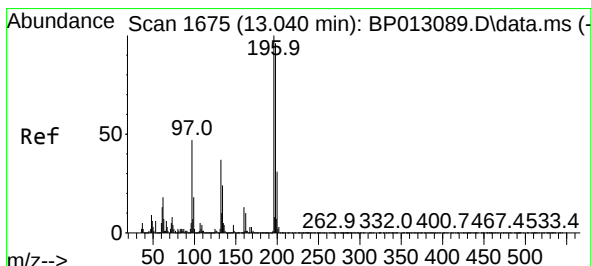
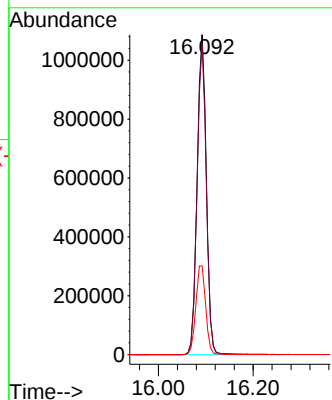
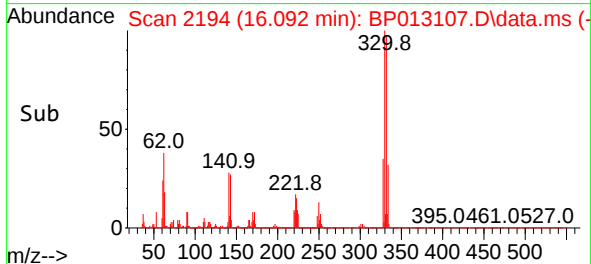
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:330 Resp: 1473715
Ion Ratio Lower Upper
330 100
332 96.6 77.5 116.3
141 29.6 23.2 34.8

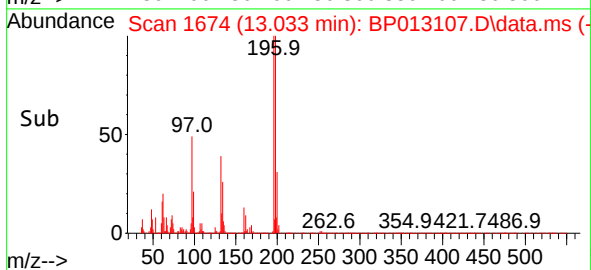
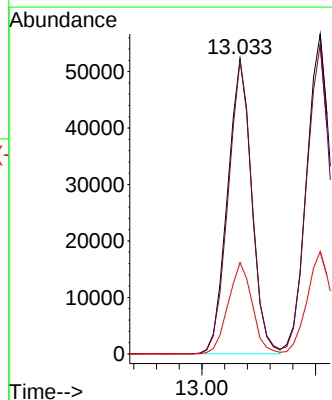
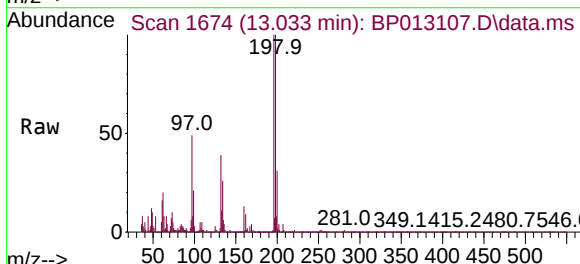
Manual Integrations
APPROVED

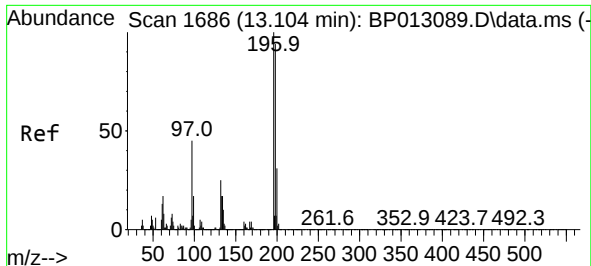
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#43
2,4,6-Trichlorophenol
Concen: 2.560 ng
RT: 13.033 min Scan# 1674
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

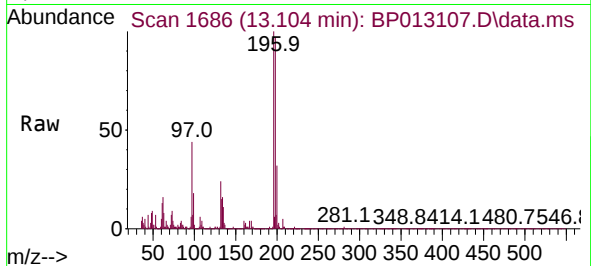
Tgt Ion:196 Resp: 76797
Ion Ratio Lower Upper
196 100
198 99.6 76.9 115.3
200 30.9 25.0 37.4





#44
2,4,5-Trichlorophenol
Concen: 2.668 ng
RT: 13.104 min Scan# 1686
Delta R.T. 0.000 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

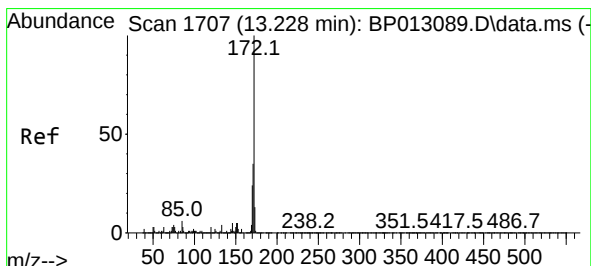
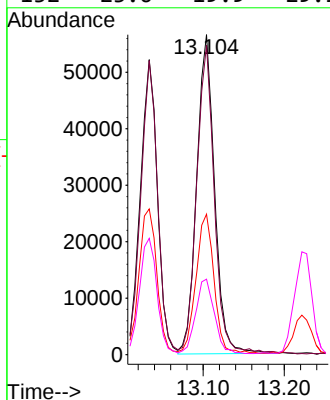
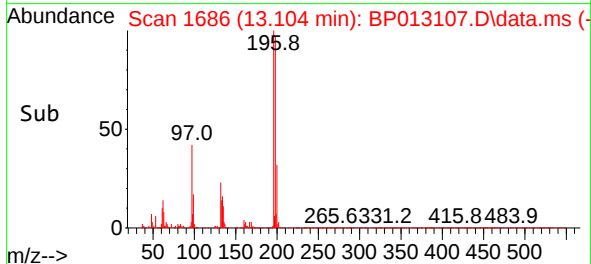
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:196 Resp: 86450
Ion Ratio Lower Upper
196 100
198 96.7 75.3 112.9
97 43.9 36.1 54.1
132 23.6 19.9 29.9

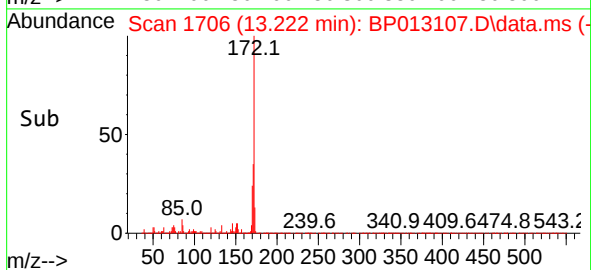
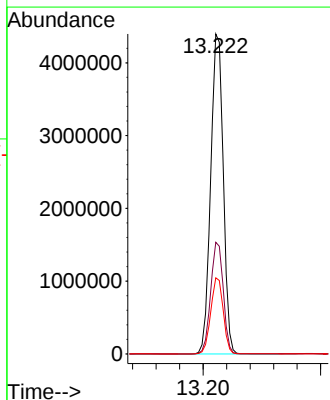
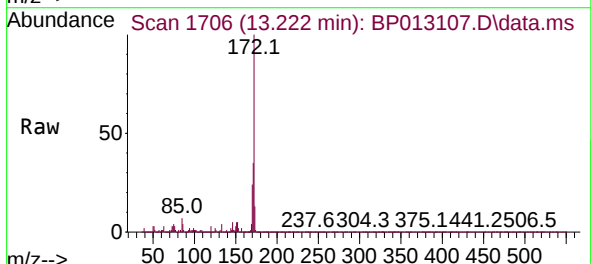
Manual Integrations
APPROVED

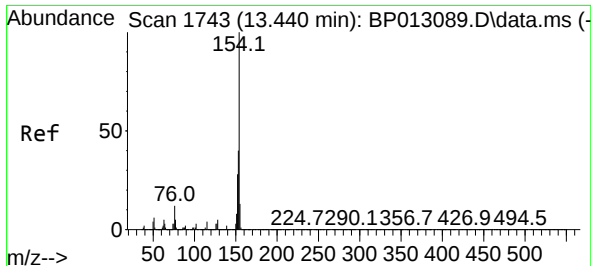
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#45
2-Fluorobiphenyl
Concen: 66.400 ng
RT: 13.222 min Scan# 1706
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Tgt Ion:172 Resp: 6520300
Ion Ratio Lower Upper
172 100
171 34.9 28.3 42.5
170 23.8 19.2 28.8





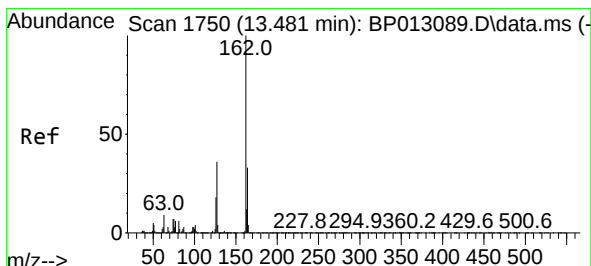
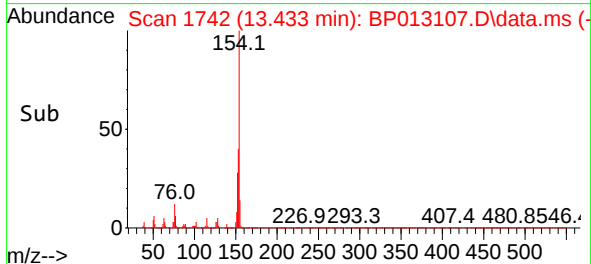
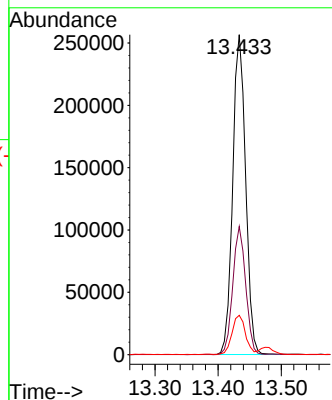
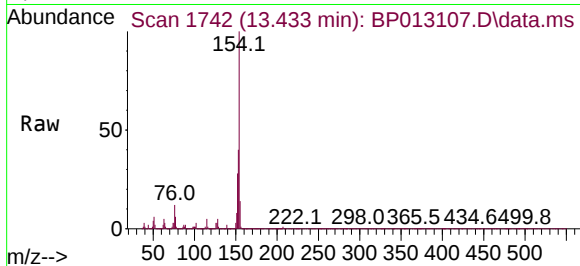
#46
1,1'-Biphenyl
Concen: 3.469 ng
RT: 13.433 min Scan# 1743
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion:154 Resp: 36571
Ion Ratio Lower Upper
154 100
153 40.0 19.9 59.9
76 12.3 0.0 32.2

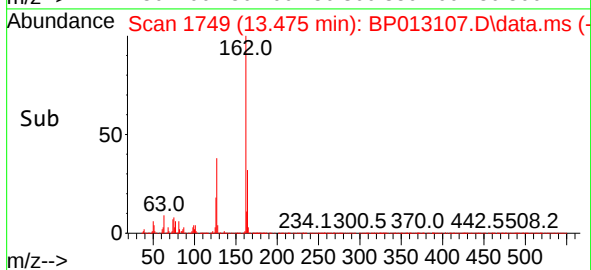
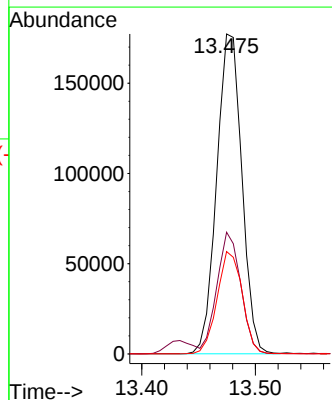
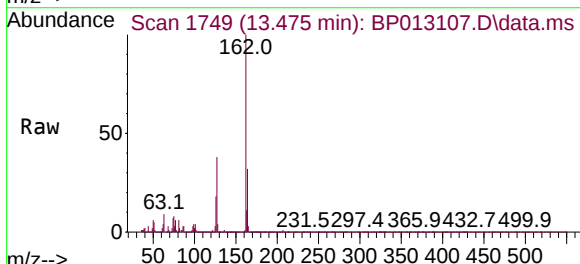
Manual Integrations
APPROVED

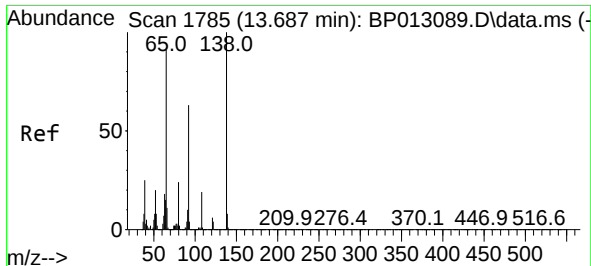
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#47
2-Chloronaphthalene
Concen: 3.258 ng
RT: 13.475 min Scan# 1749
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

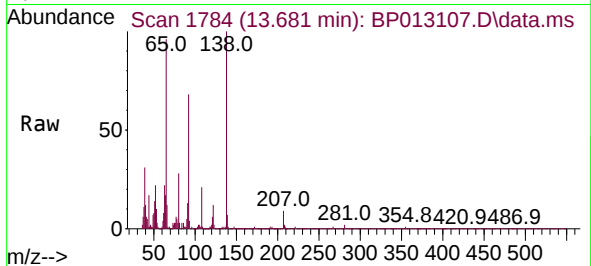
Tgt Ion:162 Resp: 272967
Ion Ratio Lower Upper
162 100
127 38.0 29.0 43.6
164 32.0 26.7 40.1





#48
2-Nitroaniline
Concen: 2.259 ng
RT: 13.681 min Scan# 1785
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

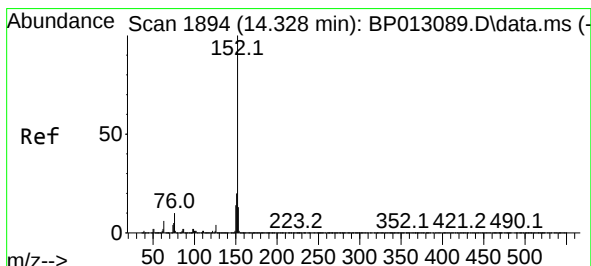
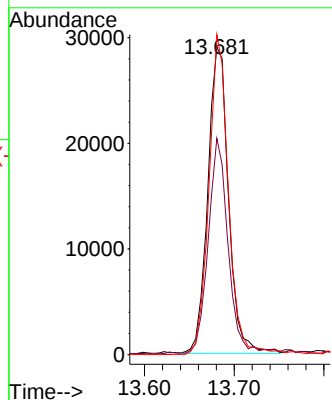
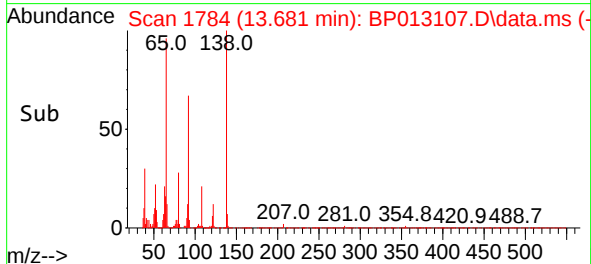
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion: 65 Resp: 46822
Ion Ratio Lower Upper
65 100
92 70.3 55.4 83.2
138 104.0 88.1 132.1

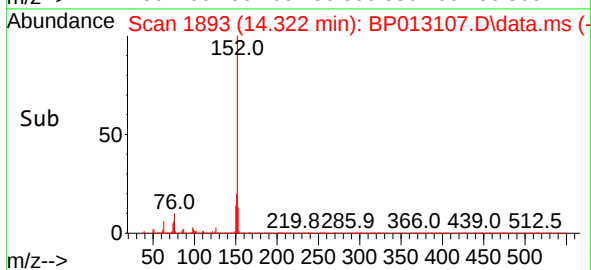
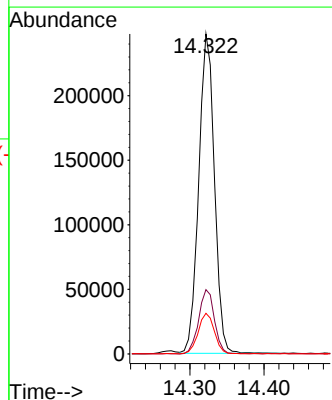
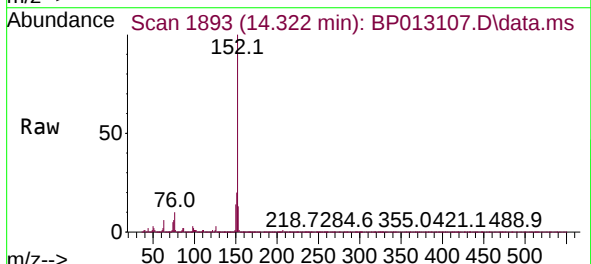
Manual Integrations
APPROVED

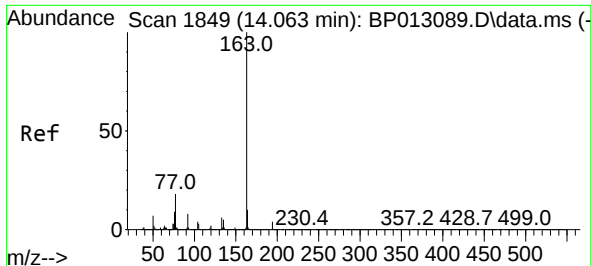
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#49
Acenaphthylene
Concen: 2.951 ng
RT: 14.322 min Scan# 1893
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Tgt Ion:152 Resp: 363667
Ion Ratio Lower Upper
152 100
151 20.1 16.0 24.0
153 12.7 10.7 16.1





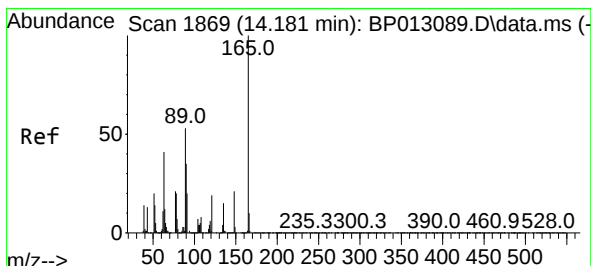
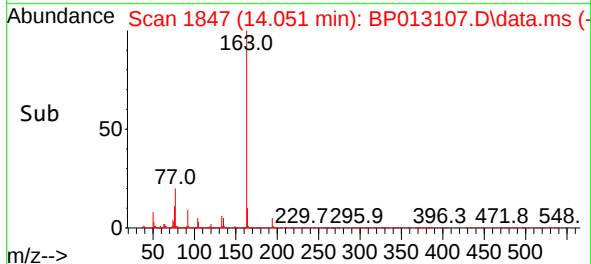
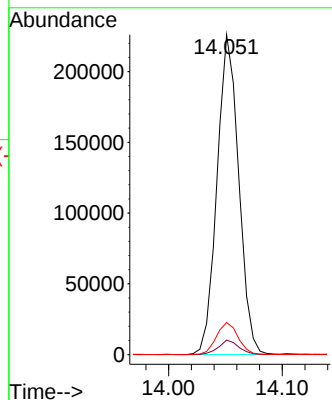
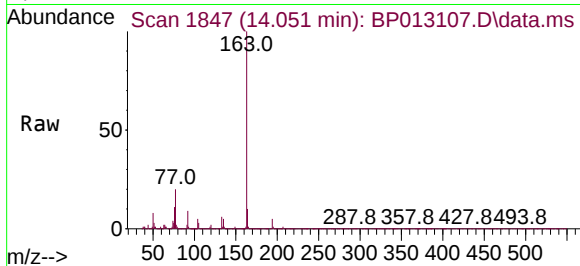
#50
Dimethylphthalate
Concen: 3.071 ng
RT: 14.051 min Scan# 1849
Delta R.T. -0.012 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion:163 Resp: 299535
Ion Ratio Lower Upper
163 100
194 4.5 3.5 5.3
164 10.0 8.0 12.0

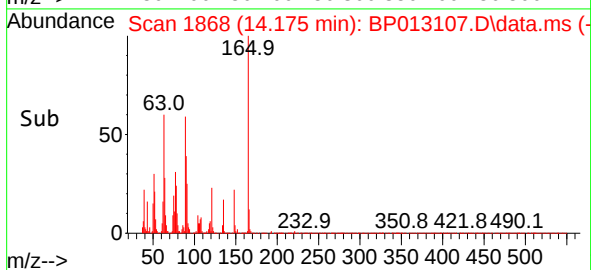
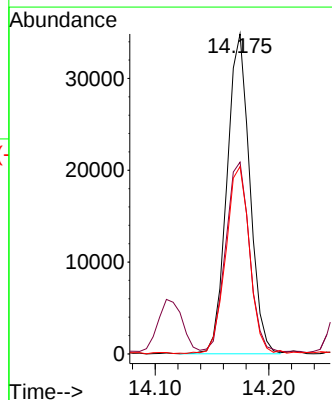
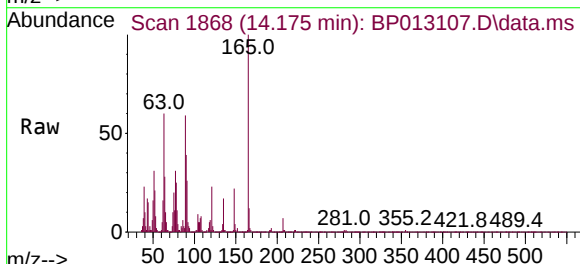
Manual Integrations
APPROVED

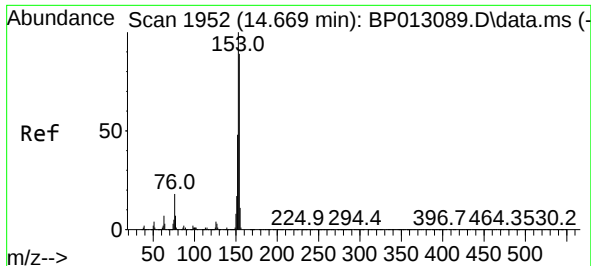
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#51
2,6-Dinitrotoluene
Concen: 2.432 ng
RT: 14.175 min Scan# 1868
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Tgt Ion:165 Resp: 48534
Ion Ratio Lower Upper
165 100
63 59.9 41.8 62.8
89 58.5 42.4 63.6





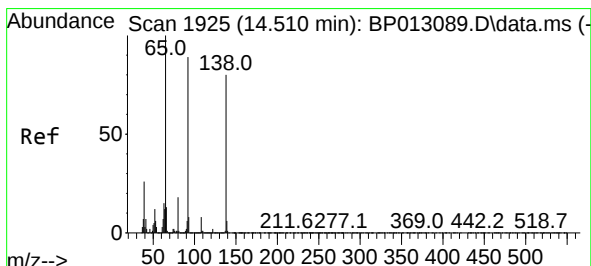
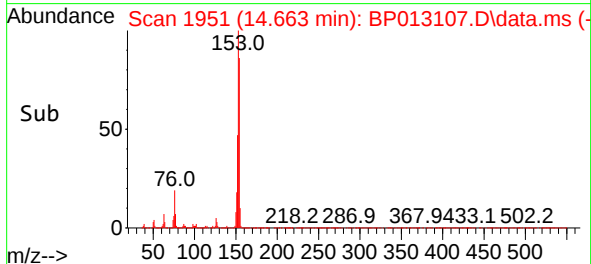
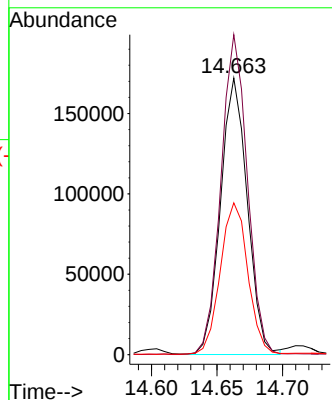
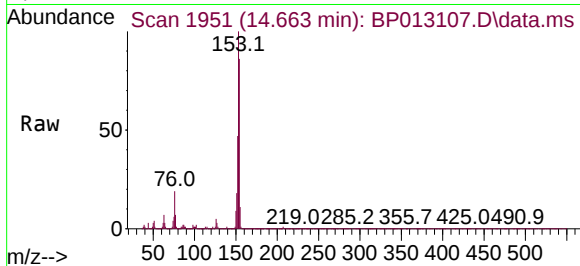
#52
Acenaphthene
Concen: 3.193 ng
RT: 14.663 min Scan# 1952
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion:154 Resp: 244662
Ion Ratio Lower Upper
154 100
153 115.7 90.0 135.0
152 54.9 43.0 64.6

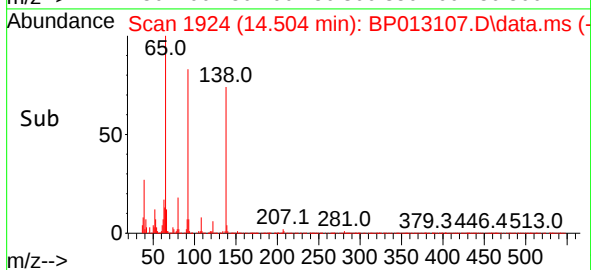
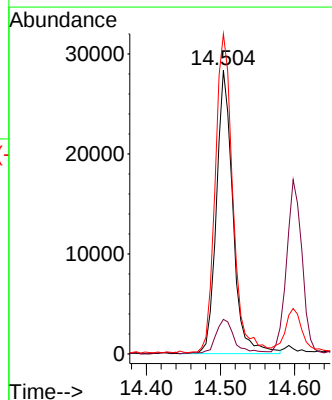
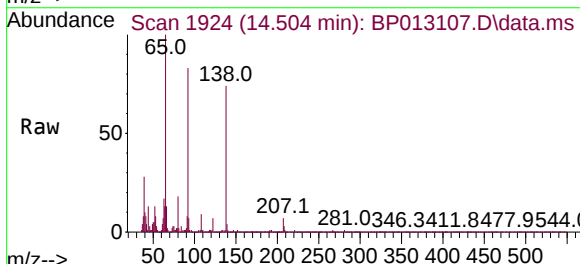
Manual Integrations
APPROVED

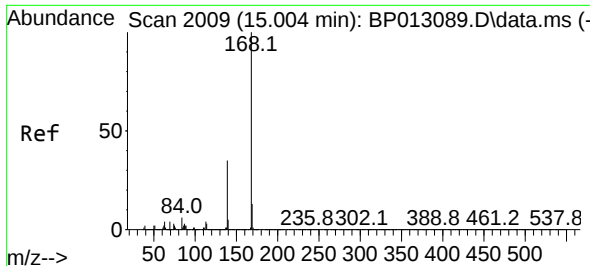
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#53
3-Nitroaniline
Concen: 2.152 ng
RT: 14.504 min Scan# 1924
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

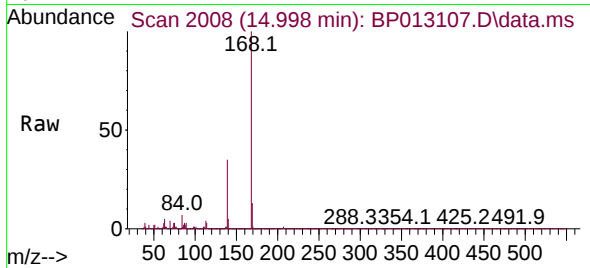
Tgt Ion:138 Resp: 43783
Ion Ratio Lower Upper
138 100
108 12.2 7.8 11.6#
92 112.9 89.2 133.8





#55
Dibenzenofuran
Concen: 3.304 ng
RT: 14.998 min Scan# 2000
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

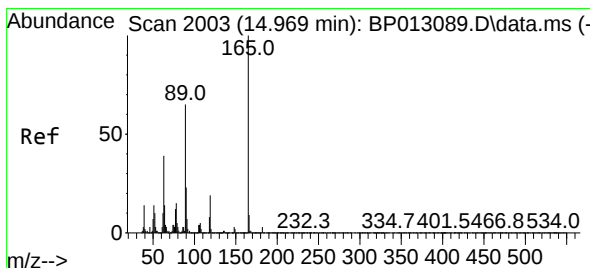
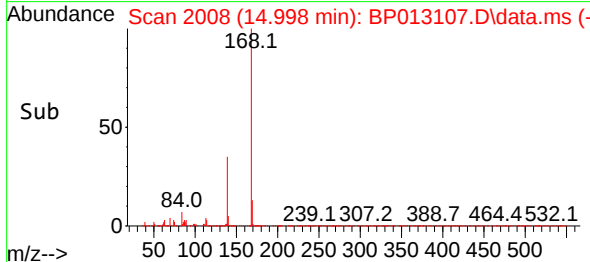
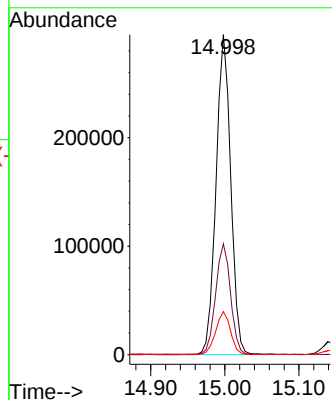
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:168 Resp: 405180
Ion Ratio Lower Upper
168 100
139 34.6 27.8 41.8
169 13.4 10.7 16.1

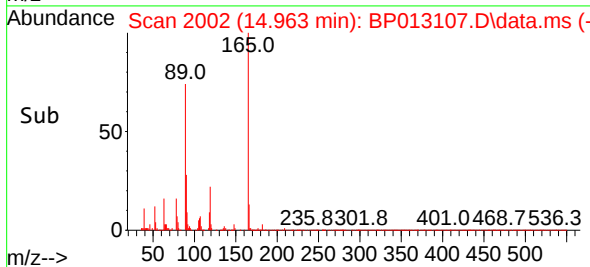
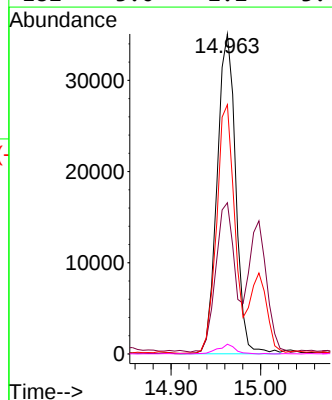
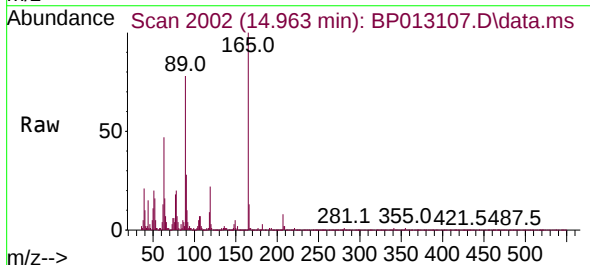
Manual Integrations
APPROVED

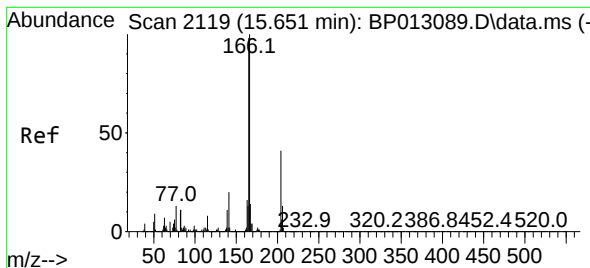
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#57
2,4-Dinitrotoluene
Concen: 2.033 ng
RT: 14.963 min Scan# 2002
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Tgt Ion:165 Resp: 50708
Ion Ratio Lower Upper
165 100
63 47.2 31.4 47.2#
89 77.9 52.1 78.1
182 3.0 2.2 3.4





#58

Fluorene

Concen: 3.171 ng

RT: 15.651 min Scan# 2119

Delta R.T. -0.000 min

Lab File: BP013107.D

Acq: 14 Dec 2022 16:01

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2022

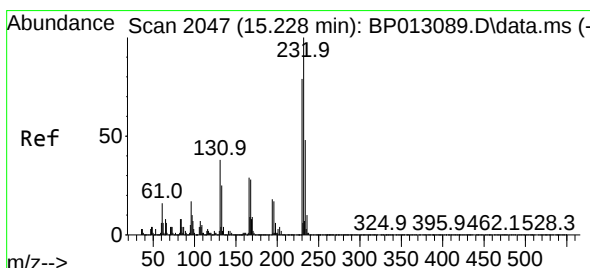
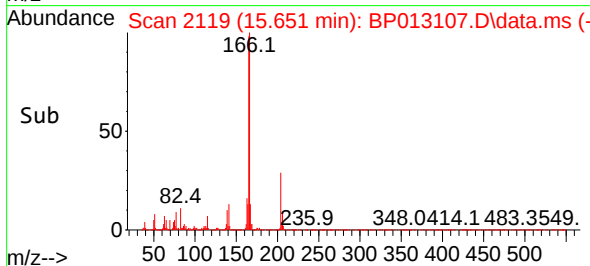
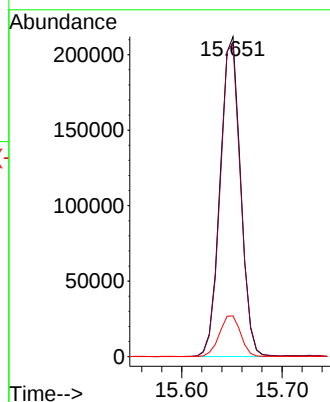
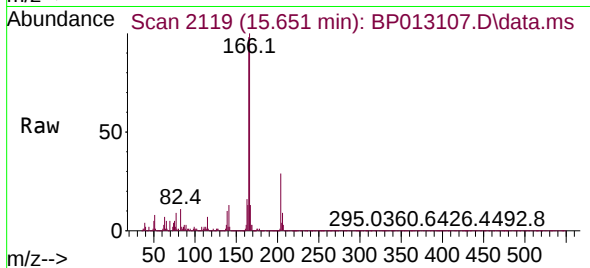
Tgt Ion:166 Resp: 300965

Ion	Ratio	Lower	Upper
166	100		
165	97.8	78.2	117.4
167	12.7	11.2	16.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#59

2,3,4,6-Tetrachlorophenol

Concen: 2.516 ng

RT: 15.222 min Scan# 2046

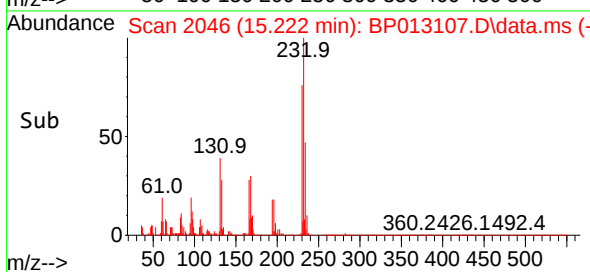
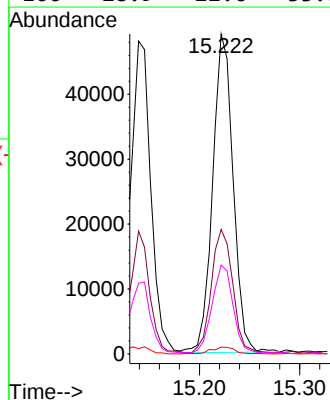
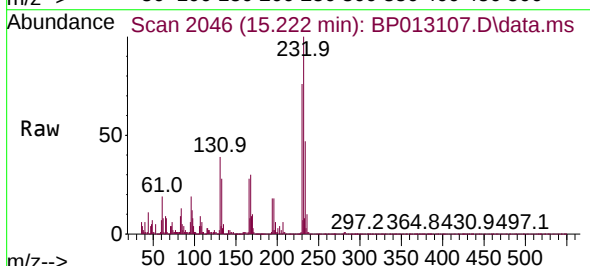
Delta R.T. -0.006 min

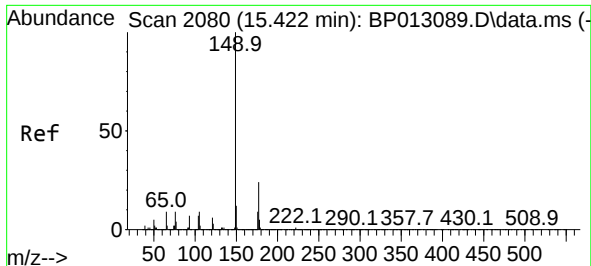
Lab File: BP013107.D

Acq: 14 Dec 2022 16:01

Tgt Ion:232 Resp: 69700

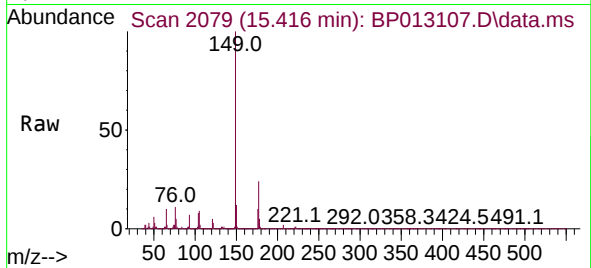
Ion	Ratio	Lower	Upper
232	100		
131	40.4	30.8	46.2
130	2.5	1.7	2.5
166	28.9	22.6	33.8





#60
Diethylphthalate
Concen: 2.898 ng
RT: 15.416 min Scan# 2080
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

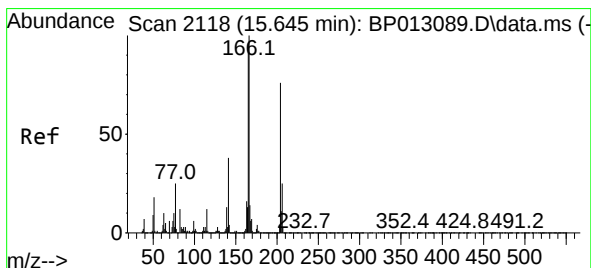
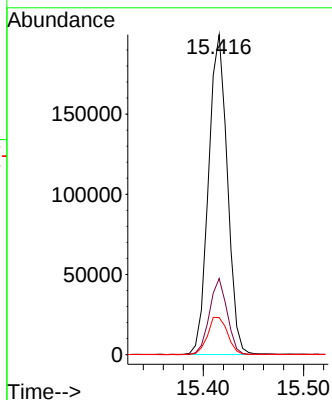
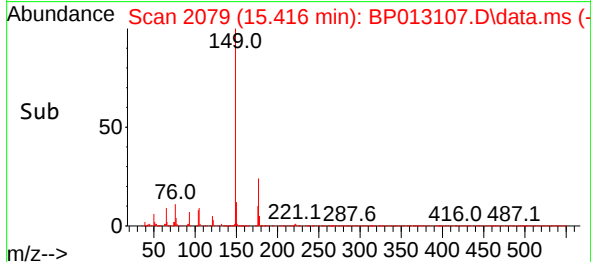
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:149 Resp: 259818
Ion Ratio Lower Upper
149 100
177 23.8 19.0 28.4
150 11.6 9.9 14.9

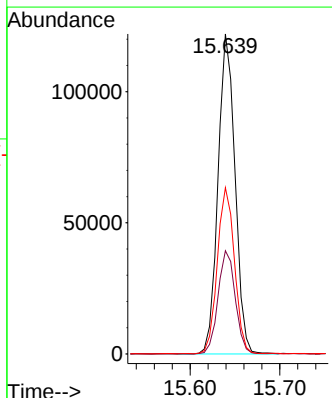
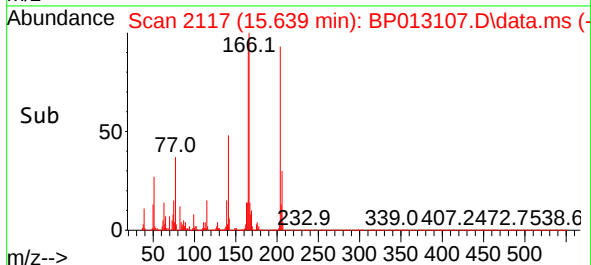
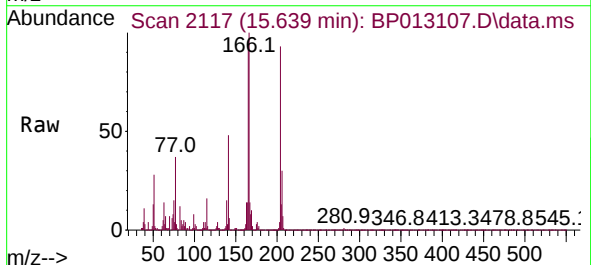
Manual Integrations
APPROVED

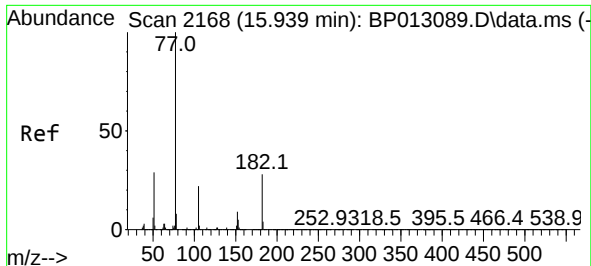
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#61
4-Chlorophenyl-phenylether
Concen: 3.276 ng
RT: 15.639 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

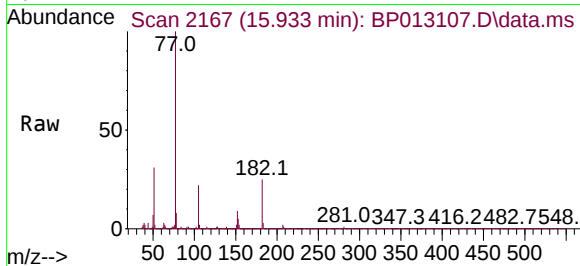
Tgt Ion:204 Resp: 160932
Ion Ratio Lower Upper
204 100
206 32.2 26.6 39.8
141 51.9 39.9 59.9





#63
Azobenzene
Concen: 2.717 ng
RT: 15.933 min Scan# 2168
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

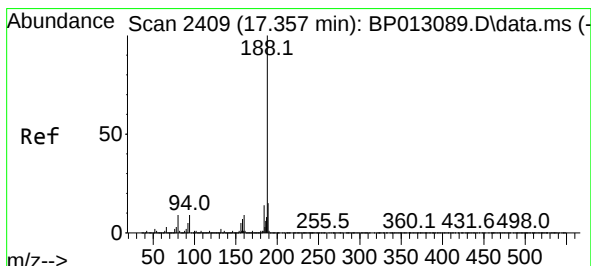
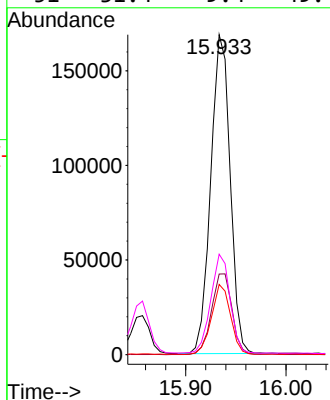
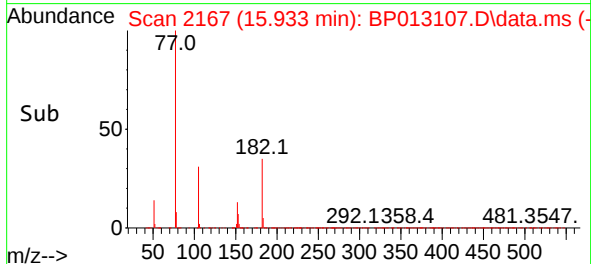
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion: 77 Resp: 226421
Ion Ratio Lower Upper
77 100
182 25.2 8.3 48.3
105 21.9 1.6 41.6
51 31.4 9.4 49.4

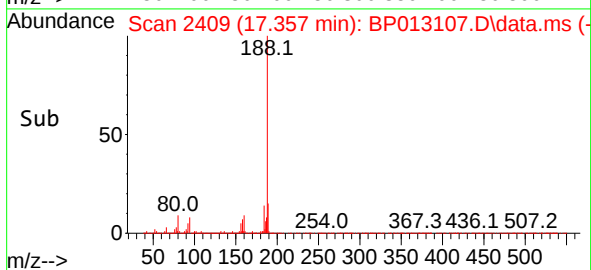
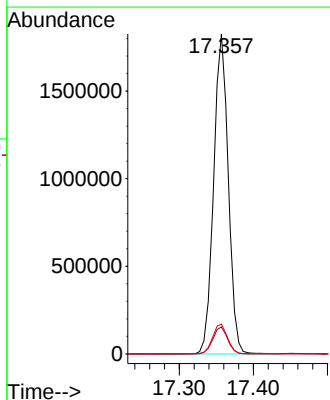
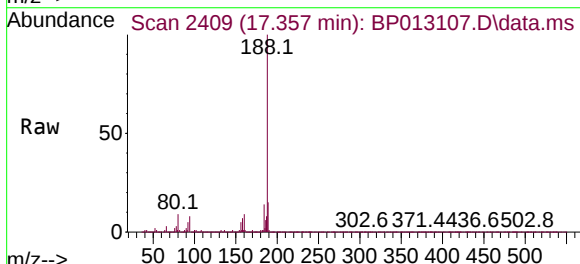
Manual Integrations
APPROVED

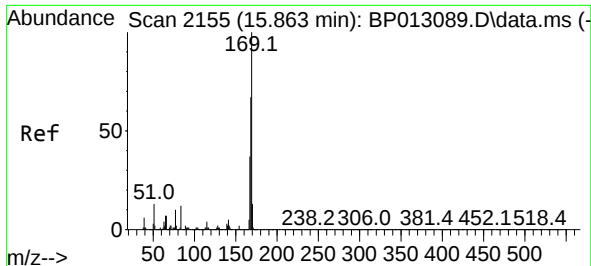
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 17.357 min Scan# 2409
Delta R.T. -0.000 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

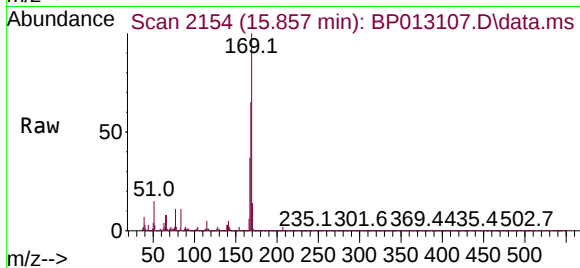
Tgt Ion:188 Resp: 2498859
Ion Ratio Lower Upper
188 100
94 8.4 7.0 10.6
80 9.3 7.5 11.3





#66
n-Nitrosodiphenylamine
Concen: 3.038 ng
RT: 15.857 min Scan# 2154
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

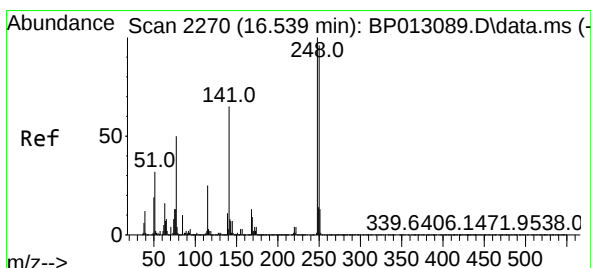
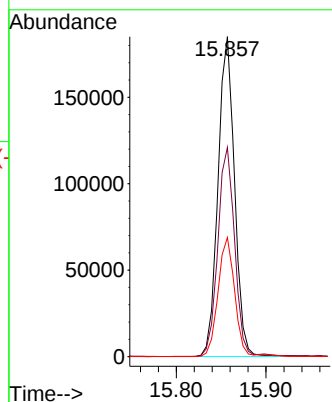
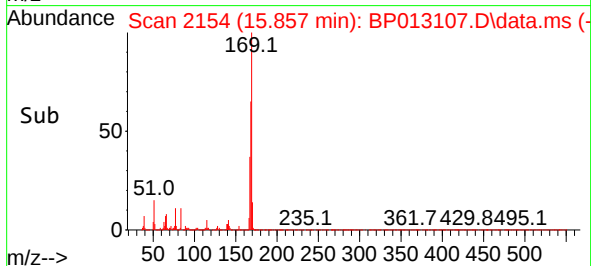
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:169 Resp: 237029
Ion Ratio Lower Upper
169 100
168 65.4 53.4 80.2
167 37.2 29.4 44.0

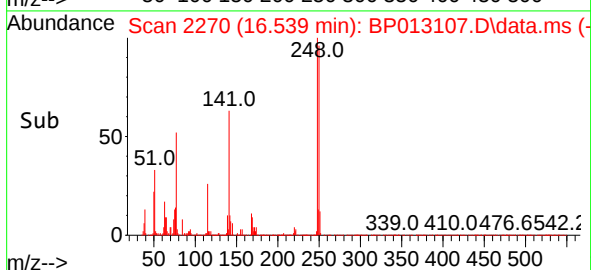
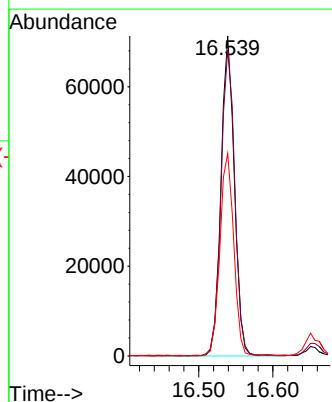
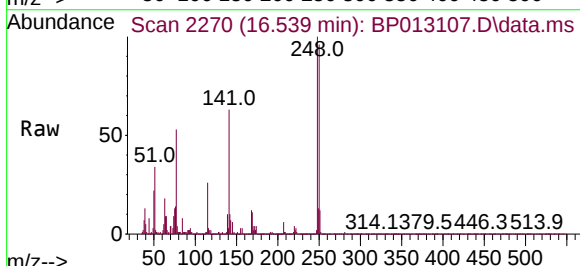
Manual Integrations
APPROVED

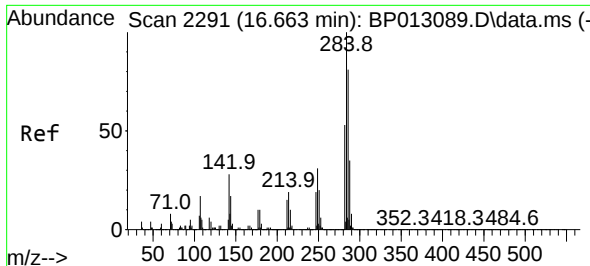
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#67
4-Bromophenyl-phenylether
Concen: 3.012 ng
RT: 16.539 min Scan# 2270
Delta R.T. -0.000 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Tgt Ion:248 Resp: 89001
Ion Ratio Lower Upper
248 100
250 95.7 76.4 114.6
141 63.3 51.8 77.6





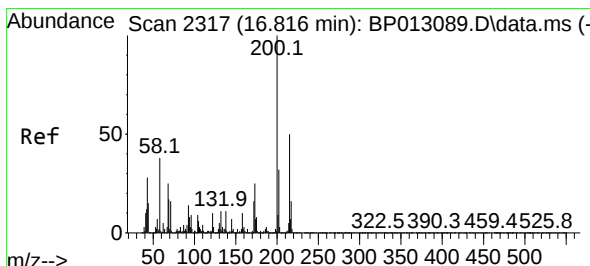
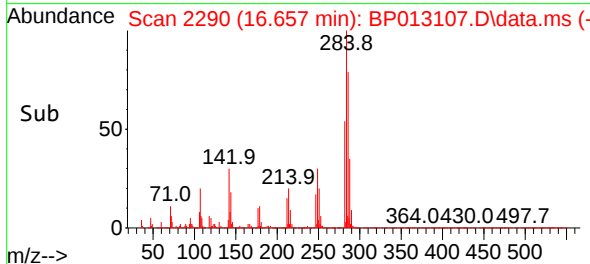
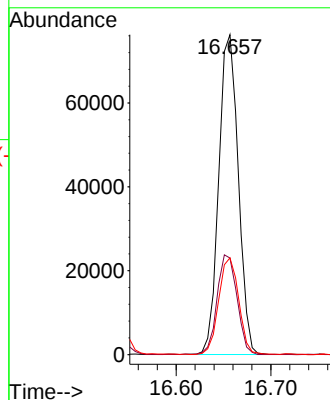
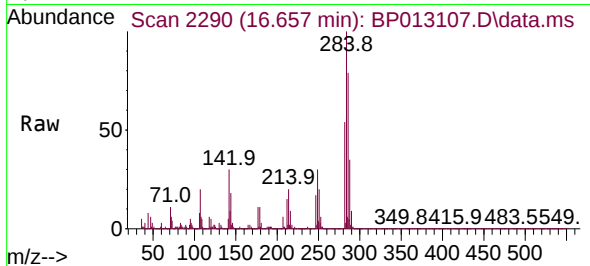
#68
Hexachlorobenzene
Concen: 3.151 ng
RT: 16.657 min Scan# 2291
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Instrument : BNA_P
ClientSampleId : MDL-SOIL-03-QT4-2022

Tgt Ion:284 Resp: 109005
Ion Ratio Lower Upper
284 100
142 30.2 22.6 34.0
249 30.2 24.5 36.7

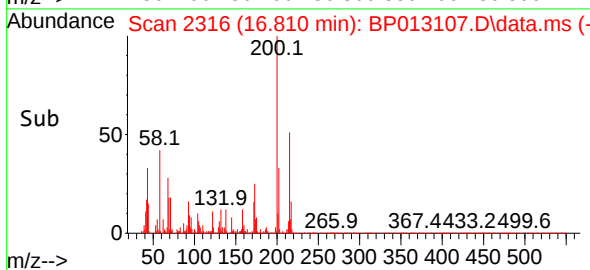
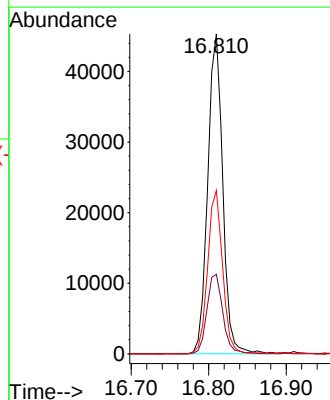
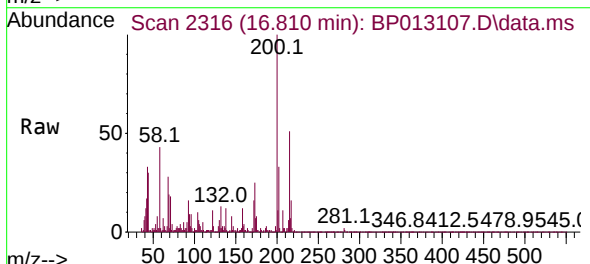
Manual Integrations
APPROVED

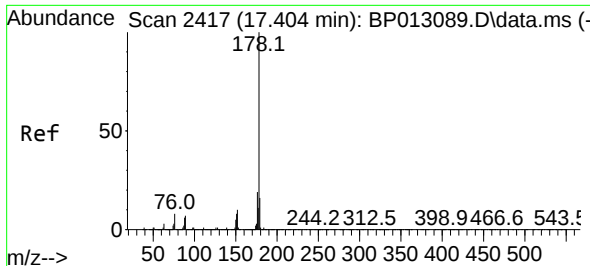
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#69
Atrazine
Concen: 2.788 ng
RT: 16.810 min Scan# 2316
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

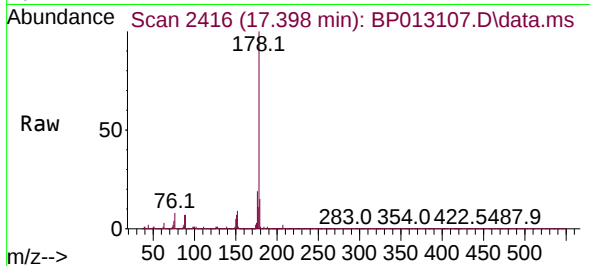
Tgt Ion:200 Resp: 61026
Ion Ratio Lower Upper
200 100
173 24.9 4.7 44.7
215 51.1 29.5 69.5





#71
Phenanthrene
Concen: 3.108 ng
RT: 17.398 min Scan# 2416
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

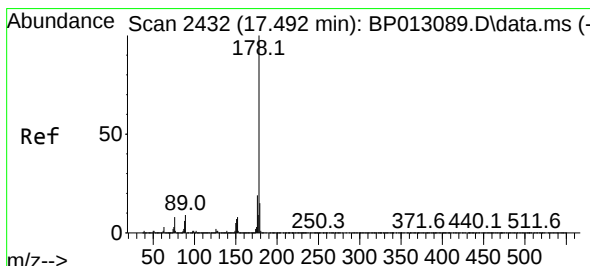
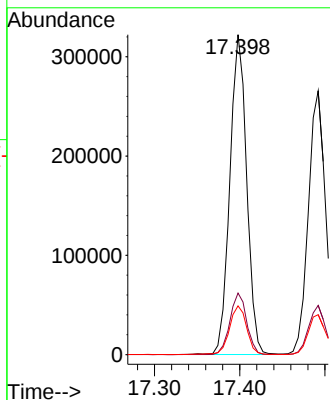
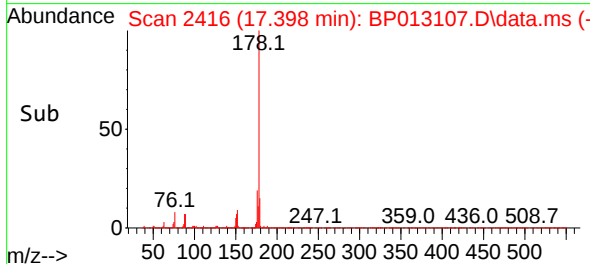
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:178 Resp: 441920
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.3 12.6 18.8

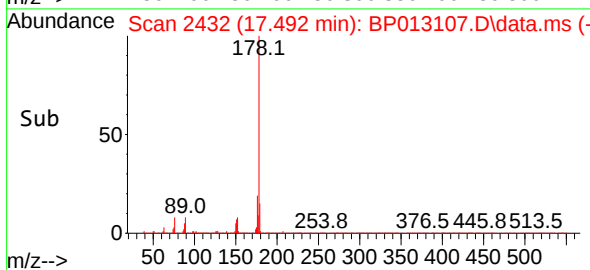
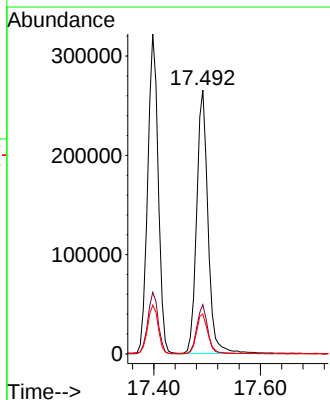
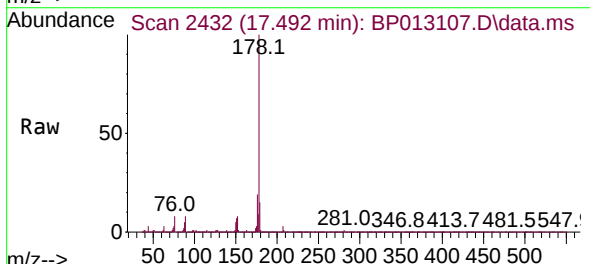
Manual Integrations
APPROVED

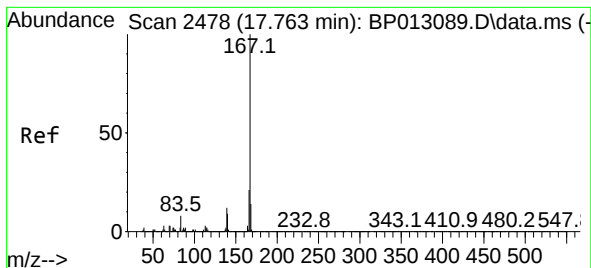
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#72
Anthracene
Concen: 2.931 ng
RT: 17.492 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Tgt Ion:178 Resp: 391282
Ion Ratio Lower Upper
178 100
176 18.6 14.8 22.2
179 15.2 12.4 18.6





#73

Carbazole

Concen: 2.612 ng

RT: 17.763 min Scan# 2478

Delta R.T. -0.000 min

Lab File: BP013107.D

Acq: 14 Dec 2022 16:01

Instrument :

BNA_P

ClientSampleId :

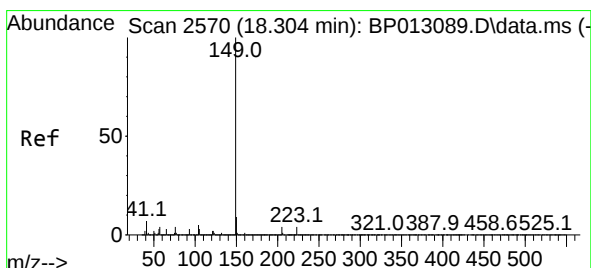
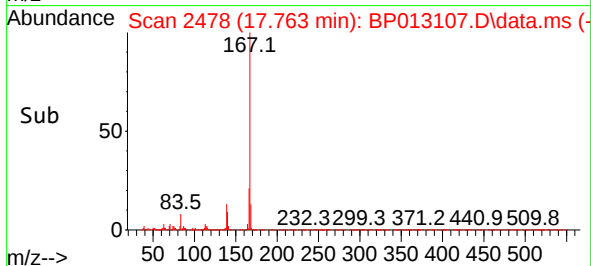
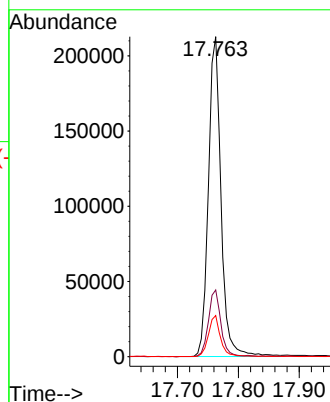
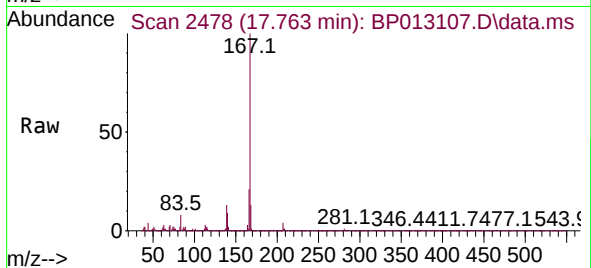
MDL-SOIL-03-QT4-2022

Tgt Ion:167	Resp: 305693
Ion Ratio	Lower Upper
167 100	
166 20.8	17.1 25.7
139 12.8	9.7 14.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#74

Di-n-butylphthalate

Concen: 2.119 ng

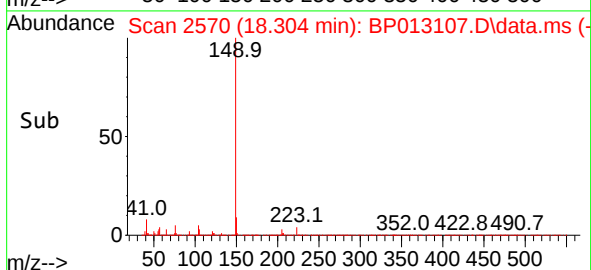
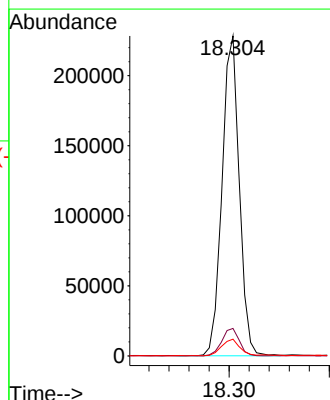
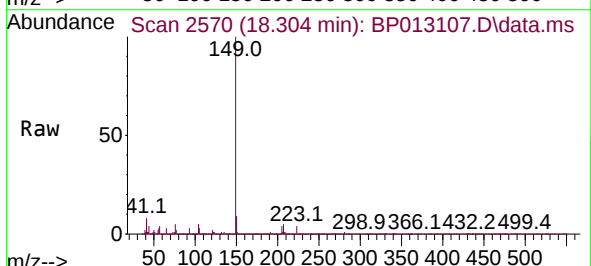
RT: 18.304 min Scan# 2570

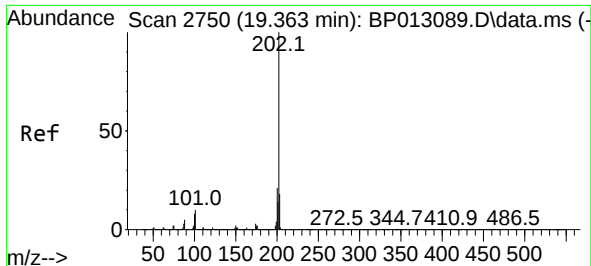
Delta R.T. -0.000 min

Lab File: BP013107.D

Acq: 14 Dec 2022 16:01

Tgt Ion:149	Resp: 272814
Ion Ratio	Lower Upper
149 100	
150 8.6	7.4 11.2
104 5.2	3.8 5.6





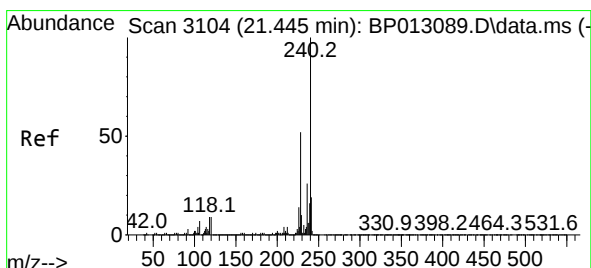
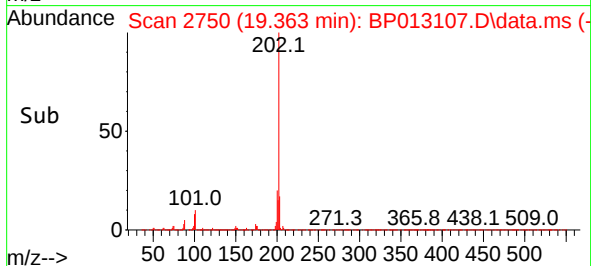
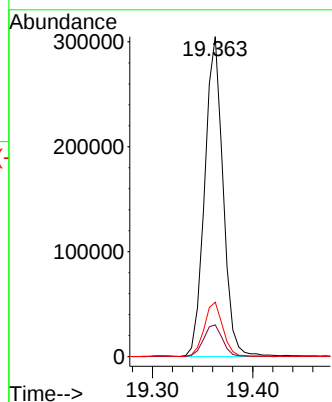
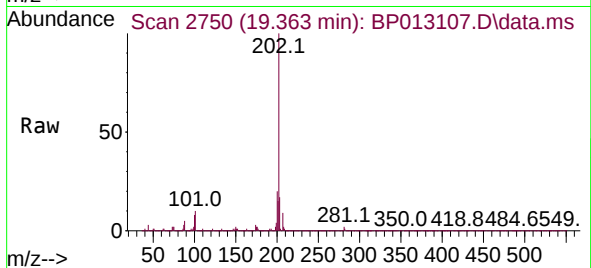
#75
Fluoranthene
Concen: 2.523 ng
RT: 19.363 min Scan# 210
Delta R.T. -0.000 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion:202 Resp: 386105
Ion Ratio Lower Upper
202 100
101 9.9 0.0 30.0
203 17.0 0.0 37.6

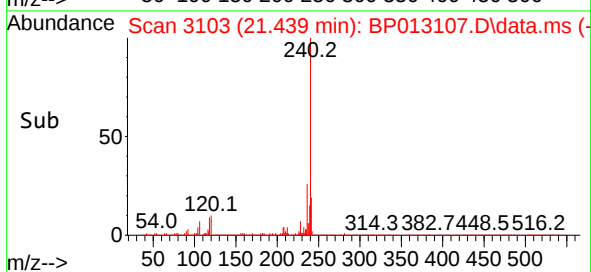
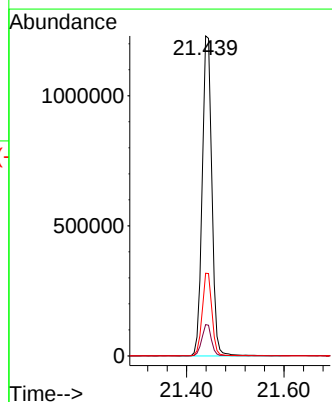
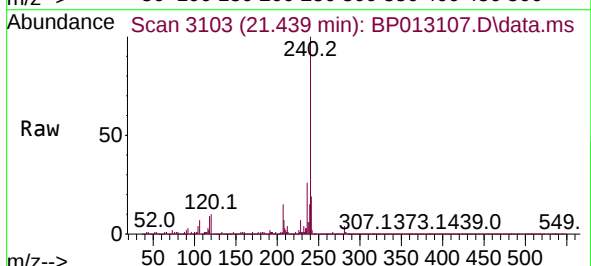
Manual Integrations
APPROVED

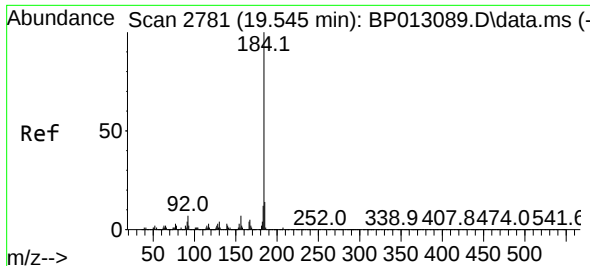
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 21.439 min Scan# 3103
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Tgt Ion:240 Resp: 1688366
Ion Ratio Lower Upper
240 100
120 9.8 7.4 11.2
236 25.8 21.0 31.4





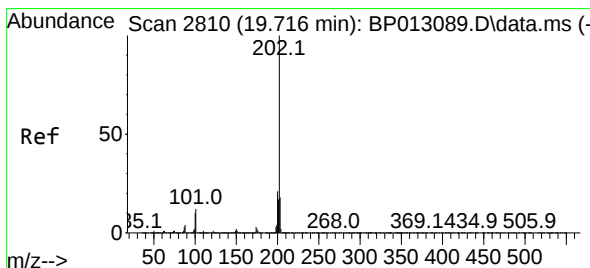
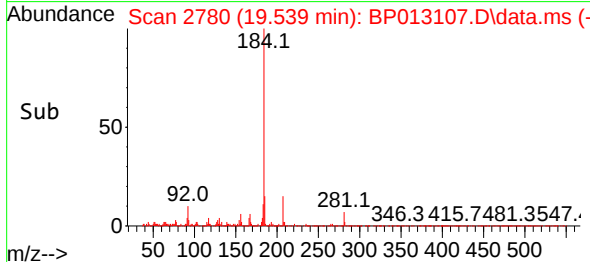
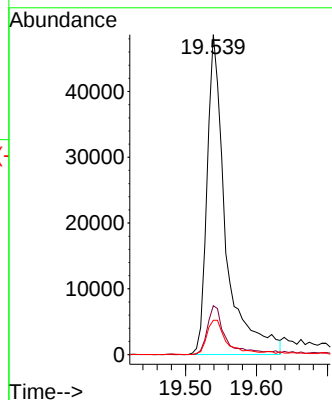
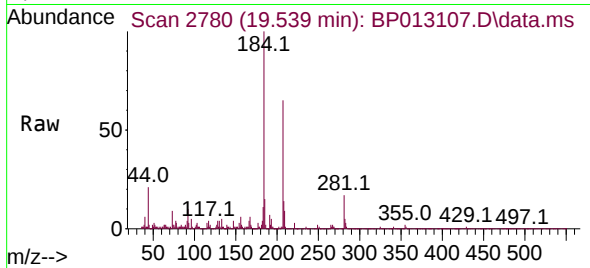
#77
Benzidine
Concen: 3.692 ng
RT: 19.539 min Scan# 2781
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022

Tgt Ion:184 Resp: 88550
Ion Ratio Lower Upper
184 100
185 15.3 11.6 17.4
183 10.7 9.4 14.0

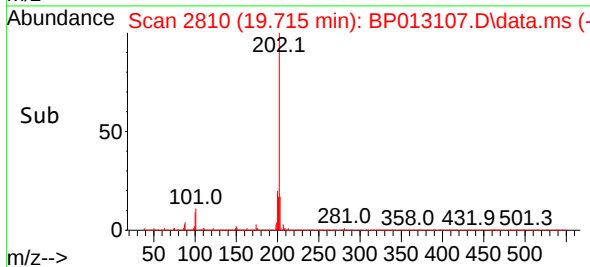
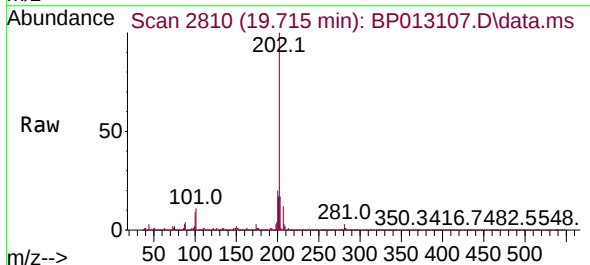
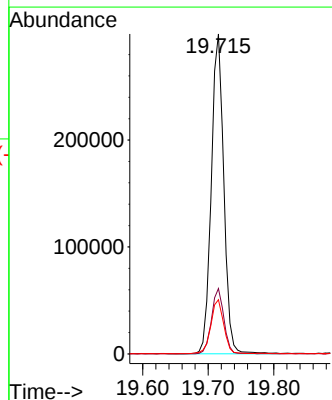
Manual Integrations
APPROVED

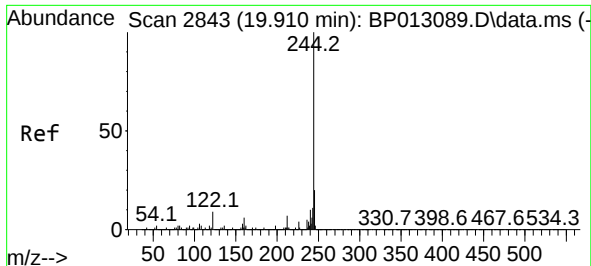
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#78
Pyrene
Concen: 3.267 ng
RT: 19.715 min Scan# 2810
Delta R.T. -0.000 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

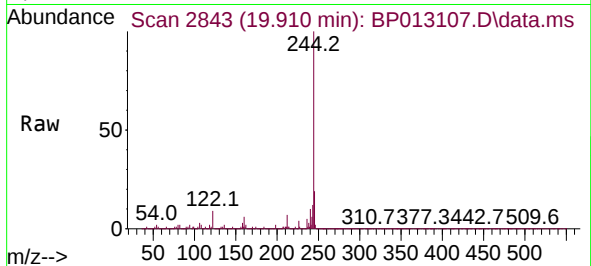
Tgt Ion:202 Resp: 396334
Ion Ratio Lower Upper
202 100
200 20.4 17.0 25.4
203 16.9 14.2 21.2





#79
 Terphenyl-d14
 Concen: 75.934 ng
 RT: 19.910 min Scan# 2843
 Delta R.T. -0.000 min
 Lab File: BP013107.D
 Acq: 14 Dec 2022 16:01

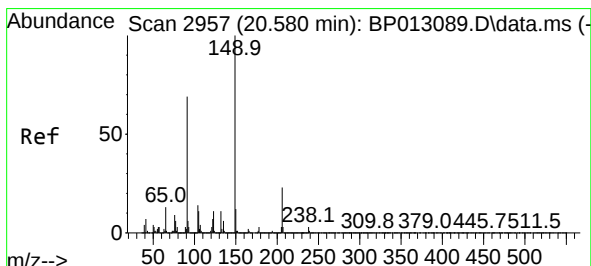
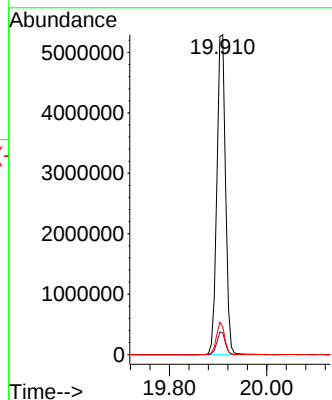
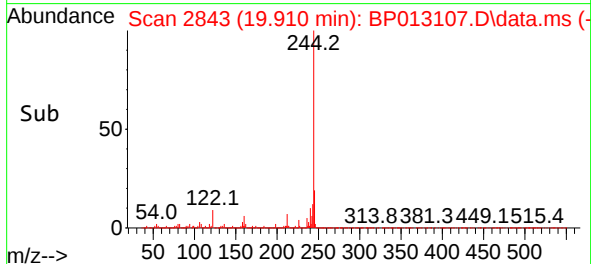
Instrument :
 BNA_P
 ClientSampleId :
 MDL-SOIL-03-QT4-2022



Tgt Ion:244 Resp: 649832
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.5 8.3
 122 8.7 7.2 10.8

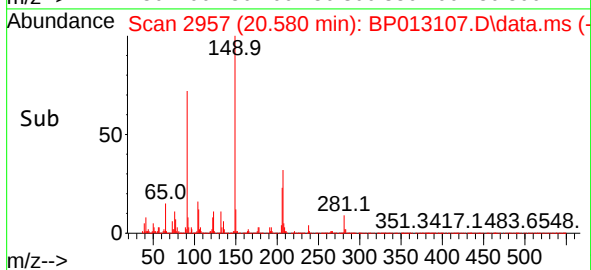
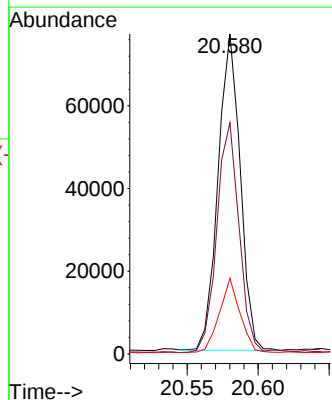
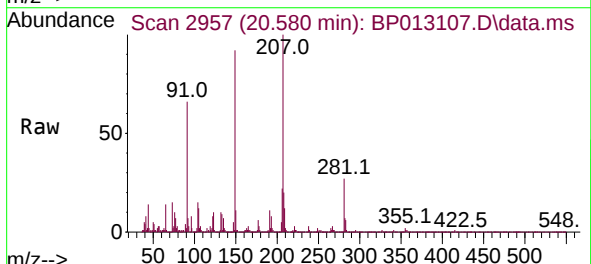
Manual Integrations
 APPROVED

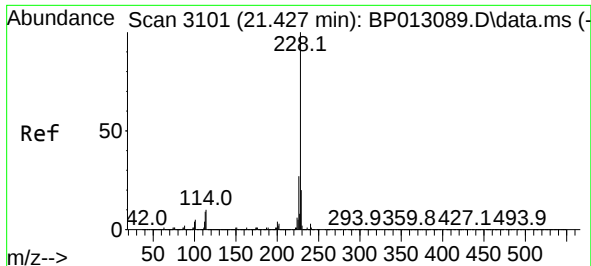
Reviewed By :Jagrut Upadhyay 12/15/2022
 Supervised By :mohammad ahmed 12/17/2022



#80
 Butylbenzylphthalate
 Concen: 2.117 ng
 RT: 20.580 min Scan# 2957
 Delta R.T. 0.000 min
 Lab File: BP013107.D
 Acq: 14 Dec 2022 16:01

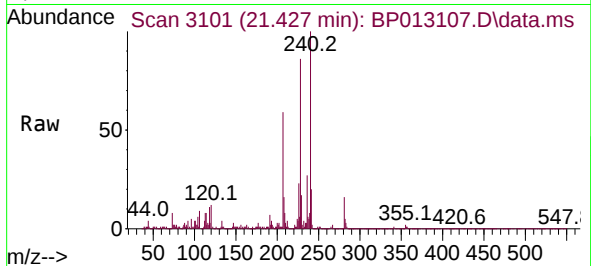
Tgt Ion:149 Resp: 83253
 Ion Ratio Lower Upper
 149 100
 91 72.2 55.2 82.8
 206 23.6 18.3 27.5





#81
Benzo(a)anthracene
Concen: 3.024 ng
RT: 21.427 min Scan# 3101
Delta R.T. 0.000 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

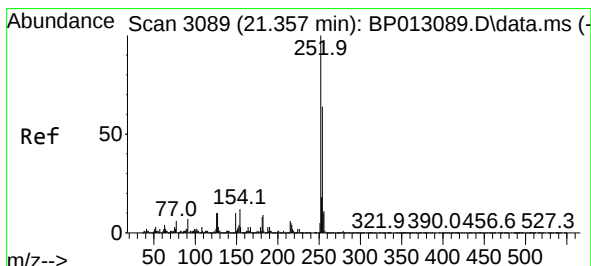
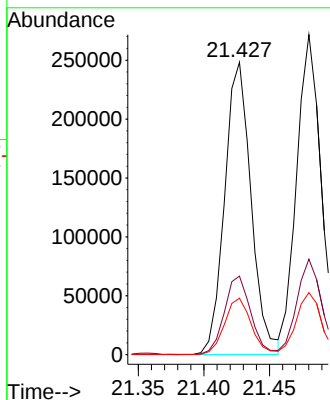
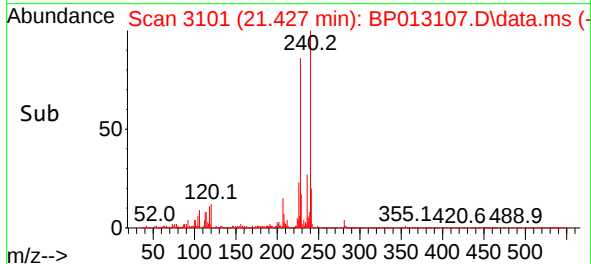
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022



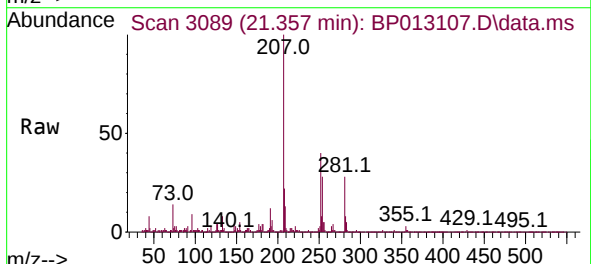
Tgt Ion:228 Resp: 349026
Ion Ratio Lower Upper
228 100
226 26.8 22.0 33.0
229 19.3 16.2 24.4

Manual Integrations
APPROVED

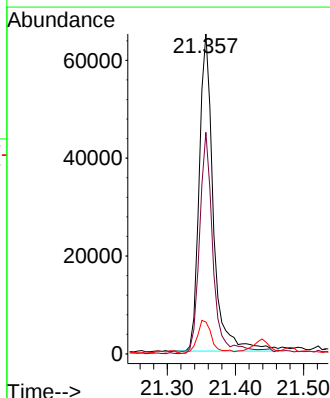
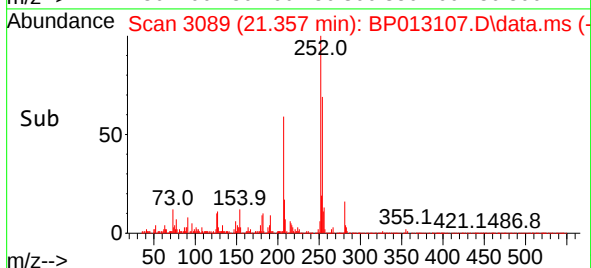
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022

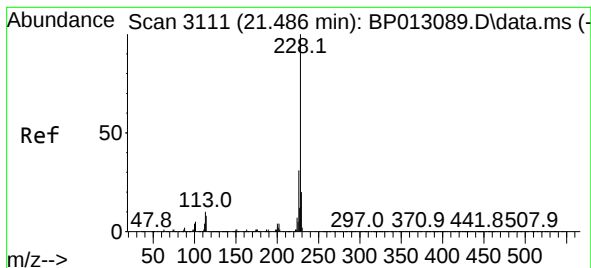


#82
3,3'-Dichlorobenzidine
Concen: 2.719 ng
RT: 21.357 min Scan# 3089
Delta R.T. -0.000 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01



Tgt Ion:252 Resp: 93433
Ion Ratio Lower Upper
252 100
254 69.2 51.0 76.4
126 10.0 7.8 11.8





#83

Chrysene

Concen: 3.193 ng

RT: 21.480 min Scan# 3111

Delta R.T. -0.006 min

Lab File: BP013107.D

Acq: 14 Dec 2022 16:01

Instrument :

BNA_P

ClientSampleId :

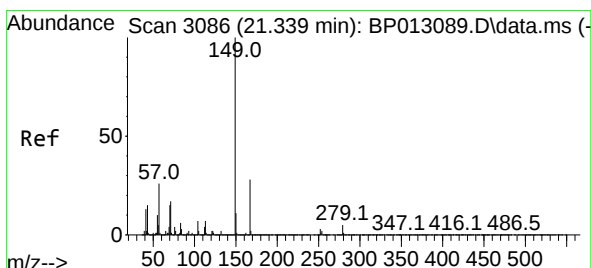
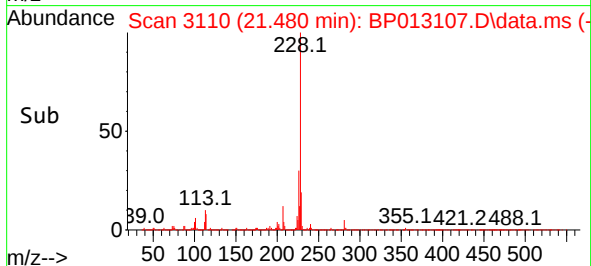
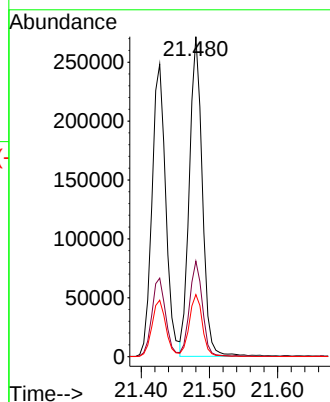
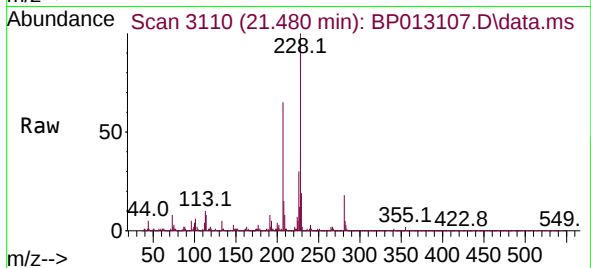
MDL-SOIL-03-QT4-2022

Tgt Ion:228 Resp: 359432
 Ion Ratio Lower Upper
 228 100
 226 29.8 24.3 36.5
 229 19.4 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/15/2022
 Supervised By :mohammad ahmed 12/17/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 2.025 ng

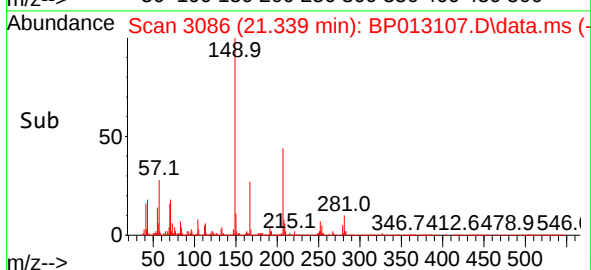
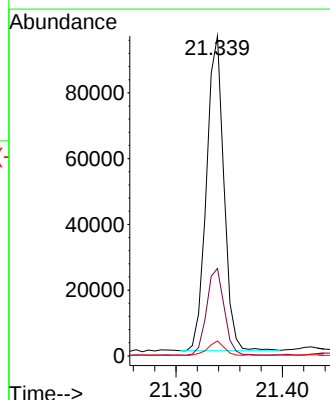
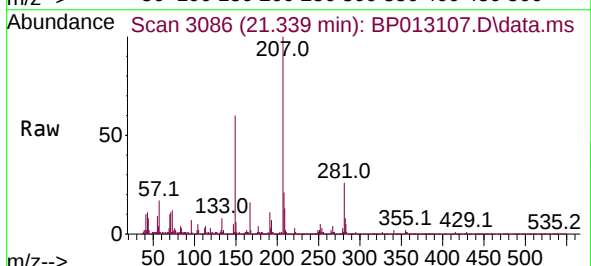
RT: 21.339 min Scan# 3086

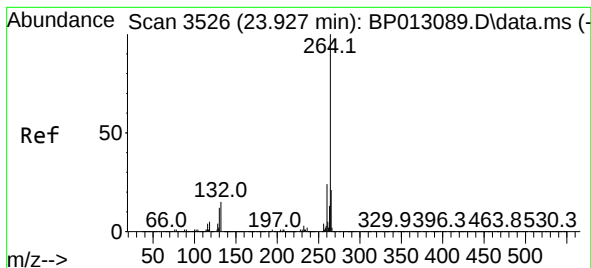
Delta R.T. -0.000 min

Lab File: BP013107.D

Acq: 14 Dec 2022 16:01

Tgt Ion:149 Resp: 108312
 Ion Ratio Lower Upper
 149 100
 167 27.3 22.6 34.0
 279 4.7 3.8 5.6





#86

Perylene-d12

Concen: 20.000 ng

RT: 23.927 min Scan# 31

Delta R.T. -0.000 min

Lab File: BP013107.D

Acq: 14 Dec 2022 16:01

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2022

Tgt Ion:264 Resp: 1872104

Ion Ratio Lower Upper

264 100

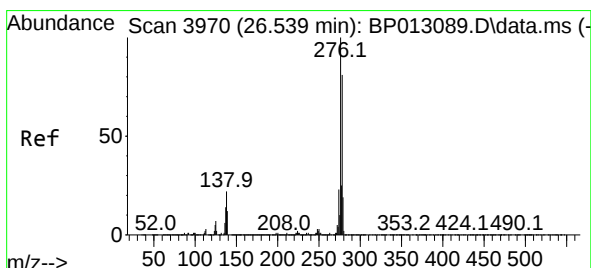
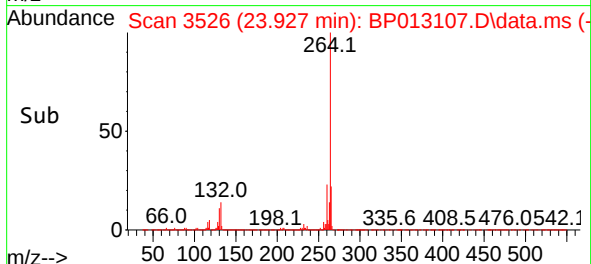
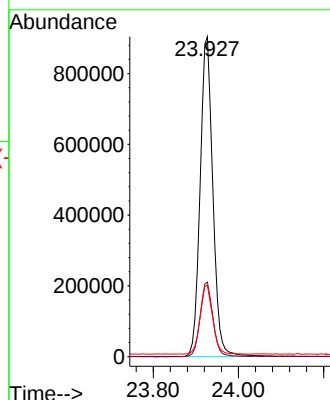
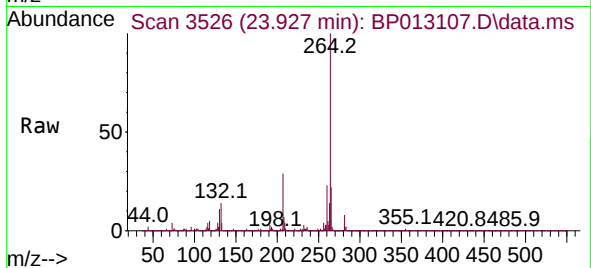
260 23.3 19.1 28.7

265 22.3 17.7 26.5

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#87

Indeno(1,2,3-cd)pyrene

Concen: 2.773 ng

RT: 26.521 min Scan# 3967

Delta R.T. -0.018 min

Lab File: BP013107.D

Acq: 14 Dec 2022 16:01

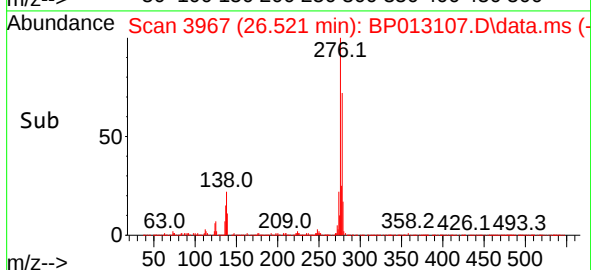
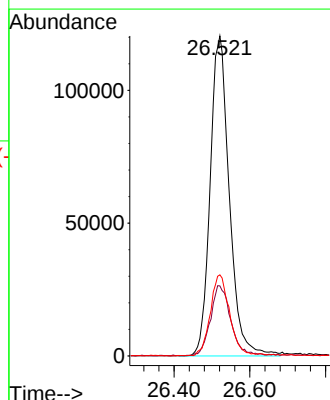
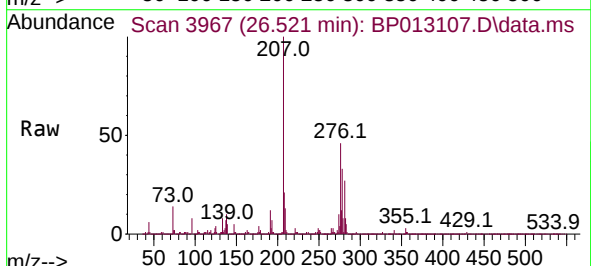
Tgt Ion:276 Resp: 424142

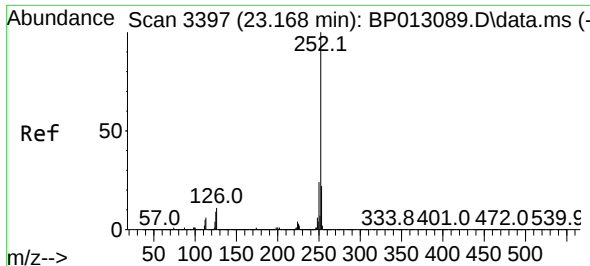
Ion Ratio Lower Upper

276 100

138 23.2 17.3 25.9

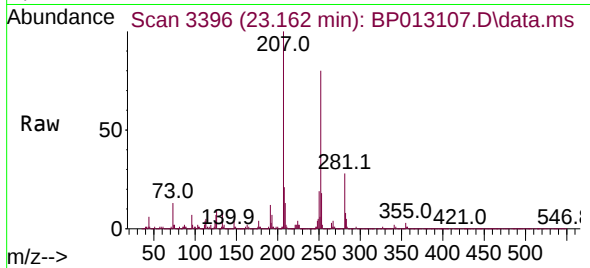
277 25.2 20.2 30.2





#88
Benzo(b)fluoranthene
Concen: 2.887 ng
RT: 23.162 min Scan# 3397
Delta R.T. -0.006 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

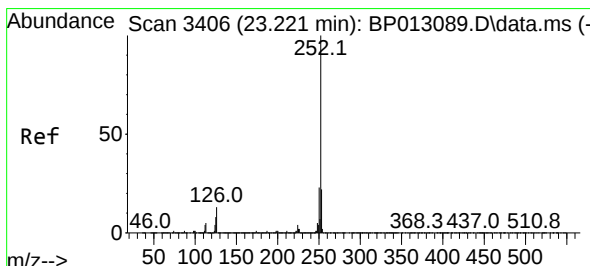
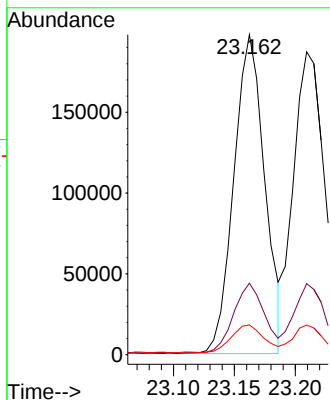
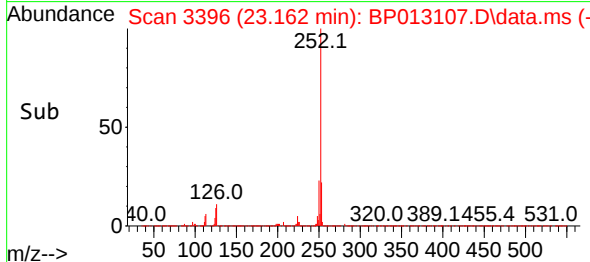
Instrument :
BNA_P
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:252 Resp: 347989
Ion Ratio Lower Upper
252 100
253 22.3 17.8 26.6
125 9.3 7.0 10.4

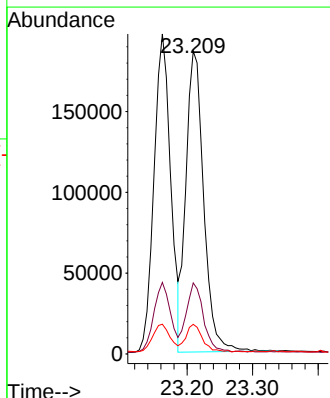
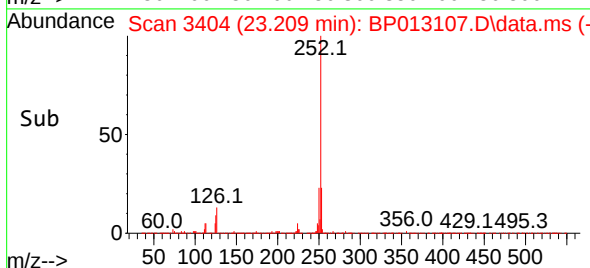
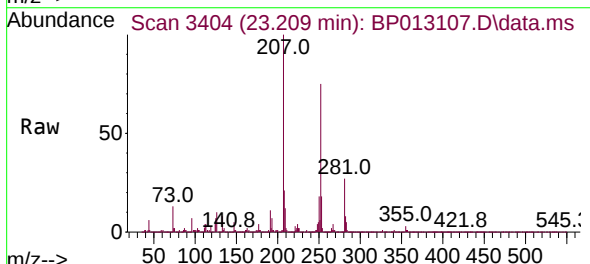
Manual Integrations
APPROVED

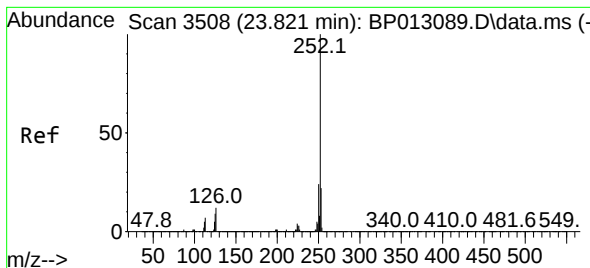
Reviewed By :Jagrut Upadhyay 12/15/2022
Supervised By :mohammad ahmed 12/17/2022



#89
Benzo(k)fluoranthene
Concen: 2.880 ng
RT: 23.209 min Scan# 3404
Delta R.T. -0.012 min
Lab File: BP013107.D
Acq: 14 Dec 2022 16:01

Tgt Ion:252 Resp: 351234
Ion Ratio Lower Upper
252 100
253 23.4 17.6 26.4
125 9.8 6.7 10.1





#90

Benzo(a)pyrene

Concen: 2.930 ng

RT: 23.815 min Scan# 3507

Delta R.T. -0.006 min

Lab File: BP013107.D

Acq: 14 Dec 2022 16:01

Instrument :

BNA_P

ClientSampleId :

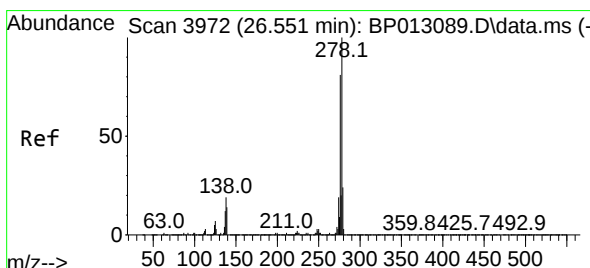
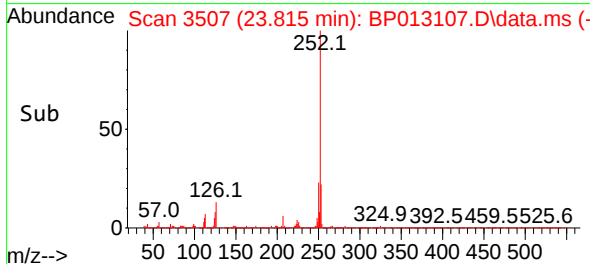
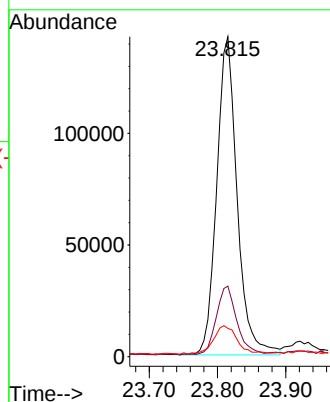
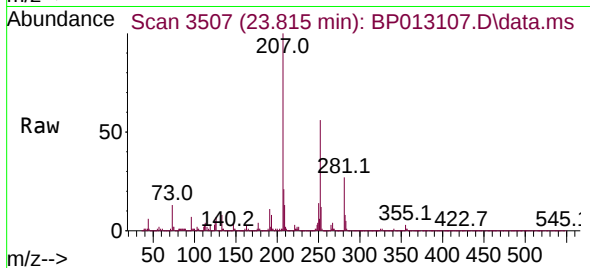
MDL-SOIL-03-QT4-2022

Tgt Ion:252 Resp: 296372
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.5 26.3
 125 8.8 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/15/2022
 Supervised By :mohammad ahmed 12/17/2022



#91

Dibenzo(a,h)anthracene

Concen: 2.942 ng

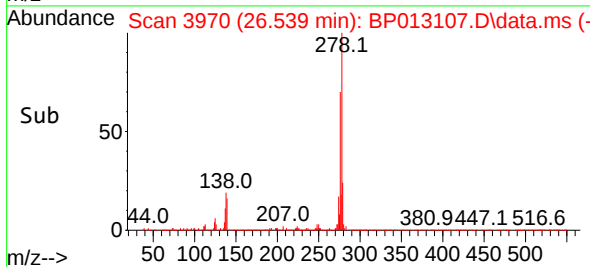
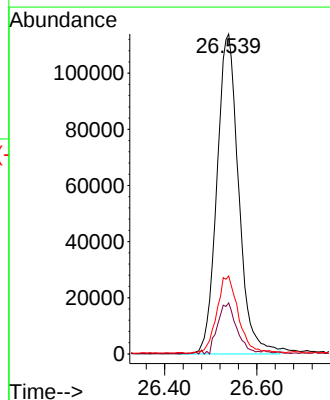
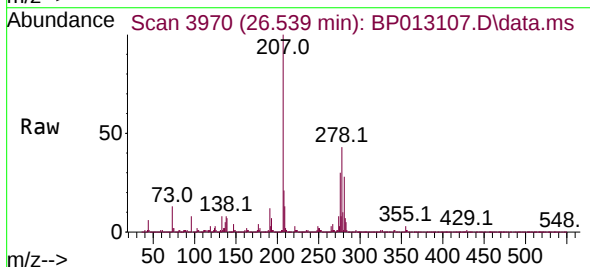
RT: 26.539 min Scan# 3970

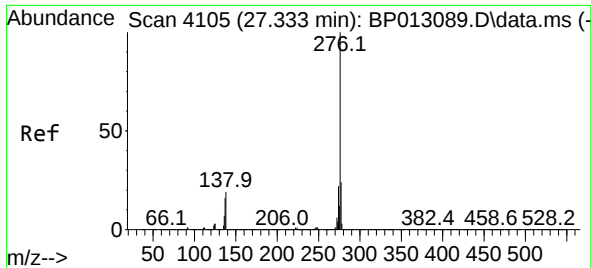
Delta R.T. -0.012 min

Lab File: BP013107.D

Acq: 14 Dec 2022 16:01

Tgt Ion:278 Resp: 373987
 Ion Ratio Lower Upper
 278 100
 139 15.9 11.0 16.6
 279 24.3 19.1 28.7





#92

Benzo(g,h,i)perylene

Concen: 2.961 ng

RT: 27.321 min Scan# 41

Delta R.T. -0.012 min

Lab File: BP013107.D

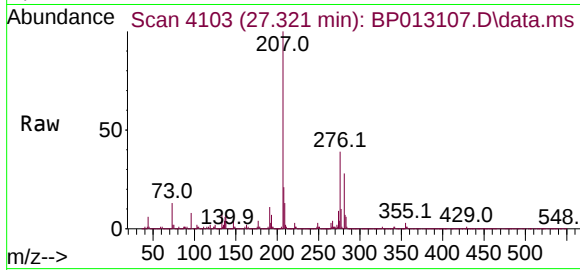
Acq: 14 Dec 2022 16:01

Instrument :

BNA_P

ClientSampleId :

MDL-SOIL-03-QT4-2022



Tgt Ion: 276 Resp: 372933

Ion Ratio Lower Upper

276 100

277 25.0 18.9 28.3

138 19.0 15.0 22.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 12/15/2022

Supervised By :mohammad ahmed 12/17/2022

