

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101922\
 Data File : BF130717.D
 Acq On : 19 Oct 2022 18:29
 Operator : CG\JU
 Sample : N5133-02MS
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 HAS-SOIL-1013MS

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 10/20/2022
 Supervised By : mohammad ahmed 10/20/2022

Quant Time: Oct 20 02:45:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Oct 18 03:15:54 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.569	152	80088	20.000	ng	0.00
21) Naphthalene-d8	7.851	136	332753	20.000	ng	0.00
39) Acenaphthene-d10	9.604	164	171639	20.000	ng	0.00
64) Phenanthrene-d10	11.080	188	306325	20.000	ng	0.00
76) Chrysene-d12	13.715	240	205276	20.000	ng	0.00
86) Perylene-d12	15.086	264	170858	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.192	112	539537	121.434	ng	0.02
7) Phenol-d6	6.234	99	677573	121.295	ng	0.00
23) Nitrobenzene-d5	7.145	82	488176	80.089	ng	0.00
42) 2,4,6-Tribromophenol	10.392	330	219932	130.953	ng	0.00
45) 2-Fluorobiphenyl	8.928	172	820037	72.370	ng	-0.01
79) Terphenyl-d14	12.663	244	1022698	82.689	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.310	88	87253	32.460	ng	# 85
3) Pyridine	2.969	79	172475	35.871	ng	98
4) n-Nitrosodimethylamine	2.887	42	114906	50.721	ng	95
6) Aniline	6.239	93	158897	23.759	ng	# 47
8) 2-Chlorophenol	6.363	128	268531	51.393	ng	98
9) Benzaldehyde	6.128	77	86719	24.709	ng	98
10) Phenol	6.245	94	290954	45.015	ng	83
11) bis(2-Chloroethyl)ether	6.316	93	231999	49.414	ng	97
12) 1,3-Dichlorobenzene	6.510	146	245424	42.899	ng	98
13) 1,4-Dichlorobenzene	6.587	146	253913	43.749	ng	98
14) 1,2-Dichlorobenzene	6.739	146	268333	49.643	ng	98
15) Benzyl Alcohol	6.739	79	184472	45.996	ng	93
16) 2,2'-oxybis(1-Chloropr...	6.857	45	307887	50.972	ng	# 33
17) 2-Methylphenol	6.851	107	235454	56.650	ng	# 90
18) Hexachloroethane	7.075	117	107109	48.782	ng	98
19) n-Nitroso-di-n-propyla...	6.998	70	193200	53.606	ng	99
20) 3+4-Methylphenols	7.010	107	286311	51.408	ng	# 80
22) Acetophenone	6.992	105	400391	50.160	ng	94
24) Nitrobenzene	7.163	77	302392	49.331	ng	98
25) Isophorone	7.404	82	487811	48.084	ng	100
26) 2-Nitrophenol	7.481	139	150790	50.161	ng	96
27) 2,4-Dimethylphenol	7.528	122	231916	55.352	ng	99
28) bis(2-Chloroethoxy)met...	7.616	93	315454	53.702	ng	100
29) 2,4-Dichlorophenol	7.728	162	238366	50.850	ng	99
30) 1,2,4-Trichlorobenzene	7.798	180	202758	40.121	ng	98
31) Naphthalene	7.875	128	720072	41.804	ng	100
32) Benzoic acid	7.704	122	121547	45.856	ng	99
33) 4-Chloroaniline	7.939	127	167167	25.053	ng	97
34) Hexachlorobutadiene	7.986	225	149642	47.708	ng	99
35) Caprolactam	8.328	113	51495m	36.511	ng	
36) 4-Chloro-3-methylphenol	8.439	107	207443	40.797	ng	98
37) 2-Methylnaphthalene	8.563	142	440856	40.671	ng	99
38) 1-Methylnaphthalene	8.663	142	417297	39.657	ng	98
40) 1,2,4,5-Tetrachloroben...	8.733	216	206378	44.318	ng	99
41) Hexachlorocyclopentadiene	8.710	237	95911	57.139	ng	100
43) 2,4,6-Trichlorophenol	8.857	196	127963	40.925	ng	98

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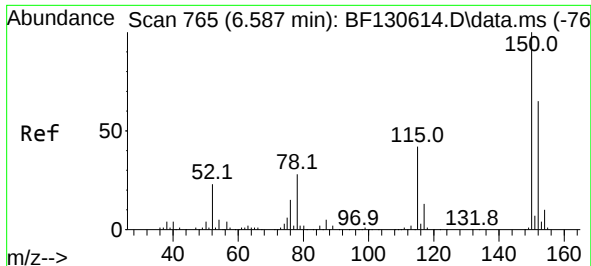
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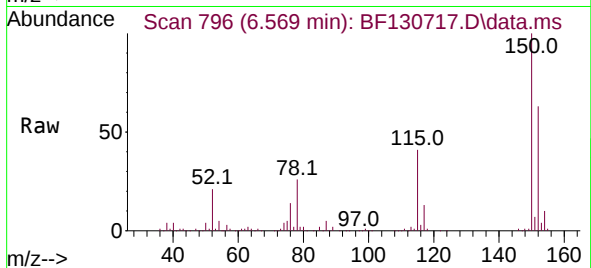
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	8.904	196	138987	40.420	ng	98
46) 1,1'-Biphenyl	9.028	154	547857	44.044	ng	99
47) 2-Chloronaphthalene	9.051	162	427863	42.087	ng	98
48) 2-Nitroaniline	9.163	65	130319	42.583	ng	93
49) Acenaphthylene	9.463	152	648958	42.603	ng	99
50) Dimethylphthalate	9.339	163	516034	43.432	ng	99
51) 2,6-Dinitrotoluene	9.410	165	116328	44.634	ng	87
52) Acenaphthene	9.633	154	395682	42.874	ng	99
53) 3-Nitroaniline	9.580	138	86971	30.443	ng	96
54) 2,4-Dinitrophenol	9.698	184	111569	83.759	ng	99
55) Dibenzofuran	9.810	168	603684	42.939	ng	98
56) 4-Nitrophenol	9.769	139	70034	44.460	ng	93
57) 2,4-Dinitrotoluene	9.816	165	153668	45.877	ng	# 76
58) Fluorene	10.151	166	495504	42.869	ng	99
59) 2,3,4,6-Tetrachlorophenol	9.939	232	119406	43.557	ng	94
60) Diethylphthalate	10.033	149	503427	42.467	ng	99
61) 4-Chlorophenyl-phenyle...	10.145	204	227185	43.475	ng	95
62) 4-Nitroaniline	10.198	138	108131	39.643	ng	96
63) Azobenzene	10.304	77	452946	40.567	ng	98
65) 4,6-Dinitro-2-methylph...	10.222	198	80798	42.208	ng	86
66) n-Nitrosodiphenylamine	10.269	169	426685	41.875	ng	99
67) 4-Bromophenyl-phenylether	10.633	248	154130	44.469	ng	92
68) Hexachlorobenzene	10.692	284	174585	44.558	ng	96
69) Atrazine	10.804	200	140130	50.503	ng	98
70) Pentachlorophenol	10.904	266	117250	76.889	ng	97
71) Phenanthrene	11.110	178	710814	41.883	ng	100
72) Anthracene	11.157	178	728844	43.972	ng	100
73) Carbazole	11.322	167	658206	44.503	ng	100
74) Di-n-butylphthalate	11.651	149	776983	43.368	ng	99
75) Fluoranthene	12.292	202	752021	46.104	ng	98
77) Benzidine	12.427	184	54297	10.465	ng	98
78) Pyrene	12.516	202	828672	46.793	ng	99
80) Butylbenzylphthalate	13.139	149	354496	52.058	ng	93
81) Benzo(a)anthracene	13.704	228	562452	40.664	ng	100
82) 3,3'-Dichlorobenzidine	13.674	252	143204	35.828	ng	98
83) Chrysene	13.739	228	548344	41.813	ng	100
84) Bis(2-ethylhexyl)phtha...	13.698	149	351020	42.519	ng	98
85) Di-n-octyl phthalate	14.310	149	562989	44.528	ng	99
87) Indeno(1,2,3-cd)pyrene	16.380	276	489396	38.270	ng	99
88) Benzo(b)fluoranthene	14.710	252	518341	47.910	ng	99
89) Benzo(k)fluoranthene	14.739	252	503556	45.710	ng	99
90) Benzo(a)pyrene	15.033	252	393987	43.754	ng	99
91) Dibenzo(a,h)anthracene	16.386	278	426584	40.696	ng	98
92) Benzo(g,h,i)perylene	16.768	276	502222	51.441	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.569 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

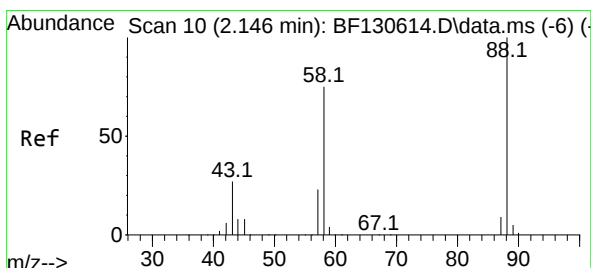
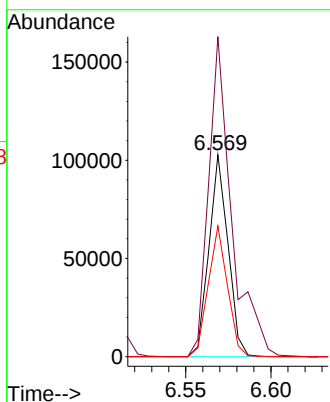
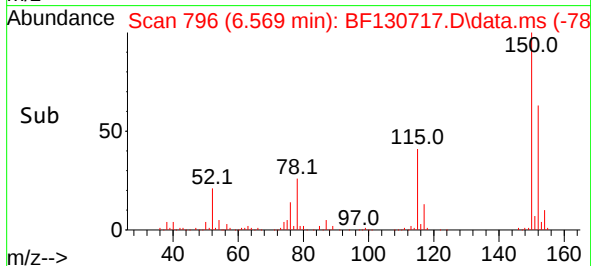
Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013MS



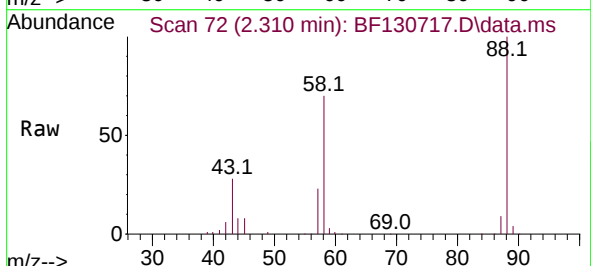
Tgt Ion:152 Resp: 80088
Ion Ratio Lower Upper
152 100
150 158.6 123.8 185.6
115 64.7 52.2 78.4

Manual Integrations
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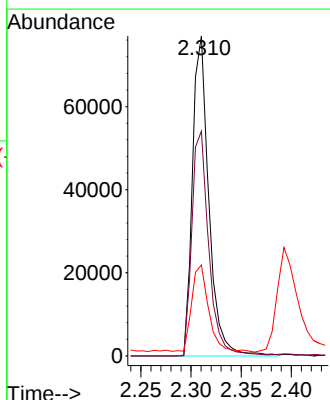
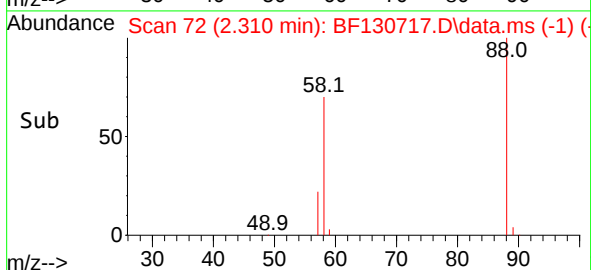
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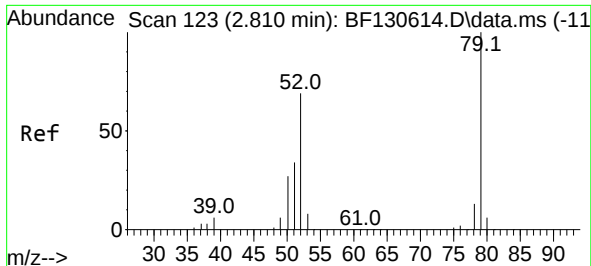


#2
1,4-Dioxane
Concen: 32.460 ng
RT: 2.310 min Scan# 72
Delta R.T. 0.176 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29



Tgt Ion: 88 Resp: 87253
Ion Ratio Lower Upper
88 100
58 72.5 58.8 88.2
43 0.0 22.2 33.4





#3

Pyridine

Concen: 35.871 ng

RT: 2.969 min Scan# 18

Delta R.T. 0.182 min

Lab File: BF130717.D

Acq: 19 Oct 2022 18:29

Instrument :

BNA_F

ClientSampleId :

HAS-SOIL-1013MS

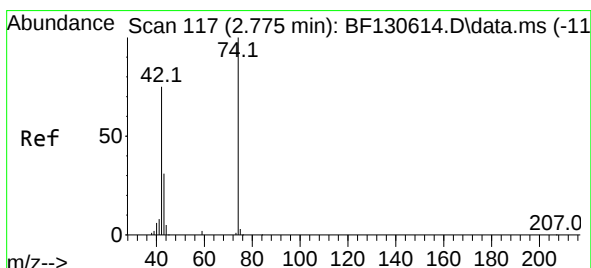
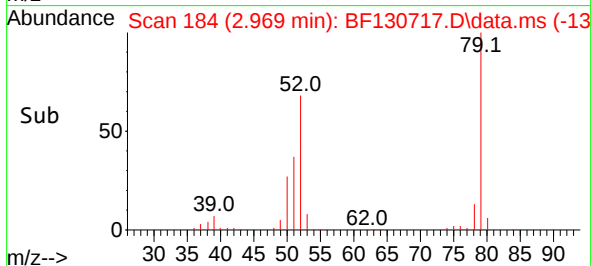
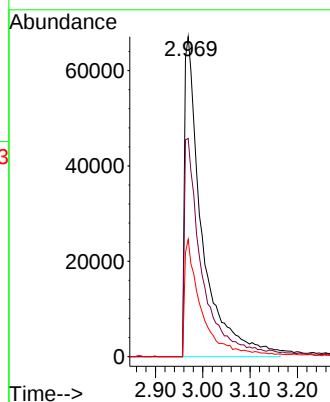
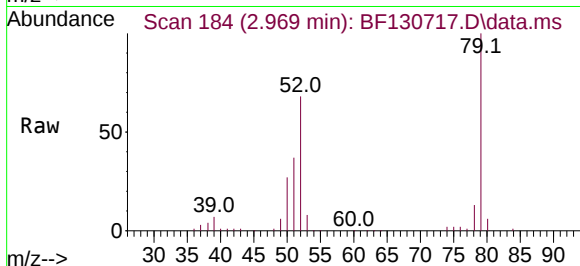
Tgt Ion: 79 Resp: 172475

Ion	Ratio	Lower	Upper
79	100		
52	68.2	54.8	82.2
51	36.6	27.4	41.2

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#4

n-Nitrosodimethylamine

Concen: 50.721 ng

RT: 2.887 min Scan# 170

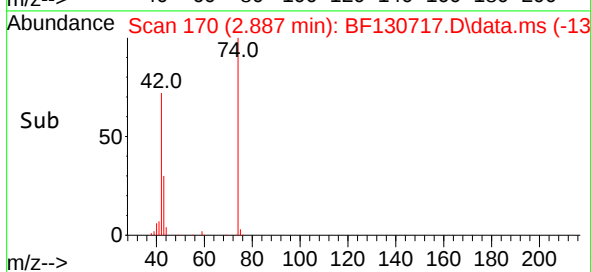
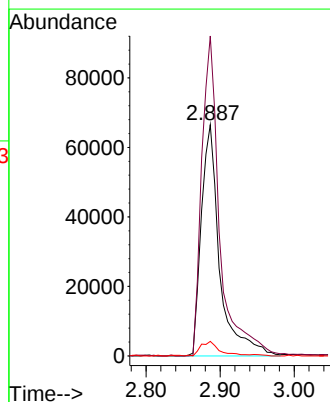
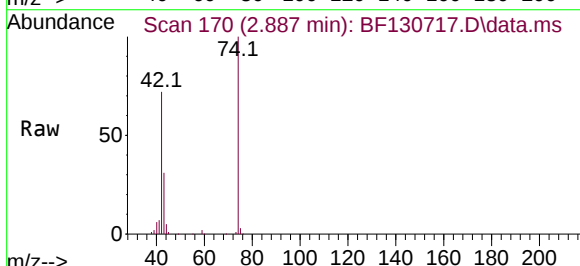
Delta R.T. 0.129 min

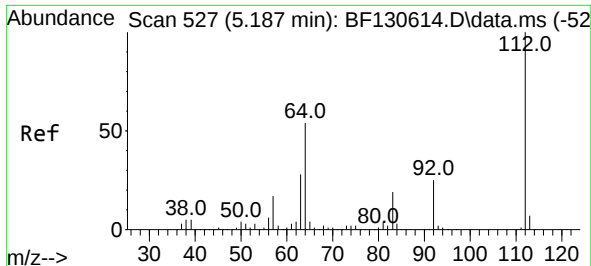
Lab File: BF130717.D

Acq: 19 Oct 2022 18:29

Tgt Ion: 42 Resp: 114906

Ion	Ratio	Lower	Upper
42	100		
74	138.5	106.2	159.2
44	6.3	5.0	7.4





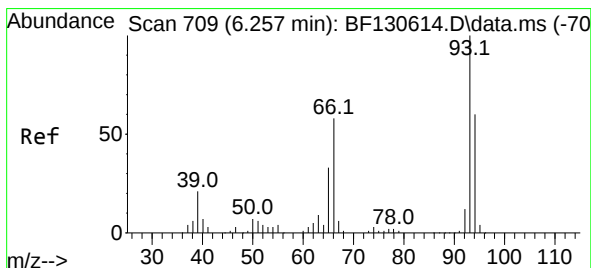
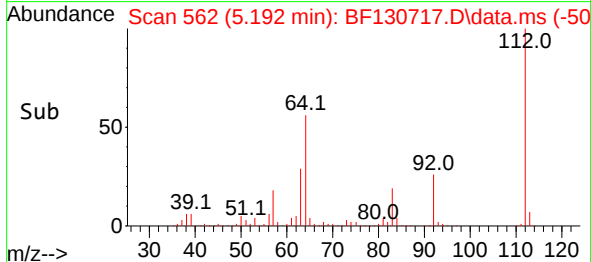
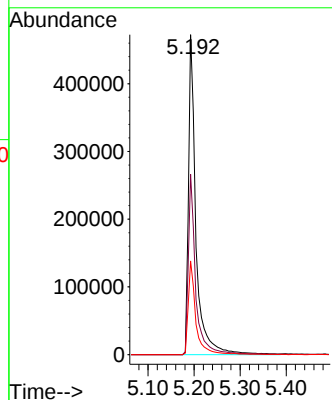
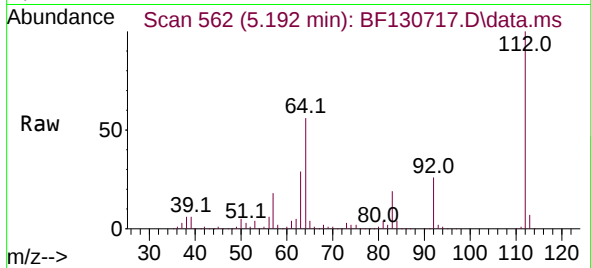
#5
2-Fluorophenol
Concen: 121.434 ng
RT: 5.192 min Scan# 50
Delta R.T. 0.023 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

Instrument :
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ClientSampleId :
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Tgt Ion:112 Resp: 53953
Ion Ratio Lower Upper
112 100
64 56.4 43.5 65.3
63 29.3 22.6 34.0

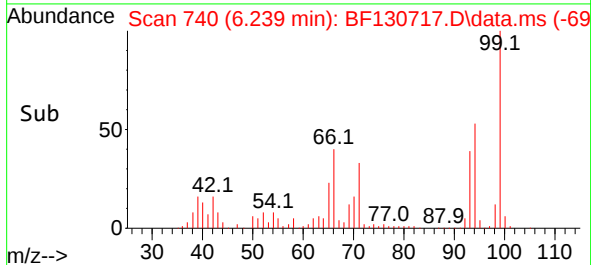
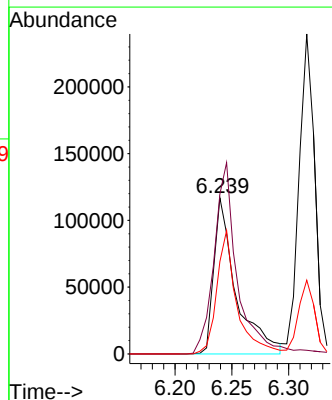
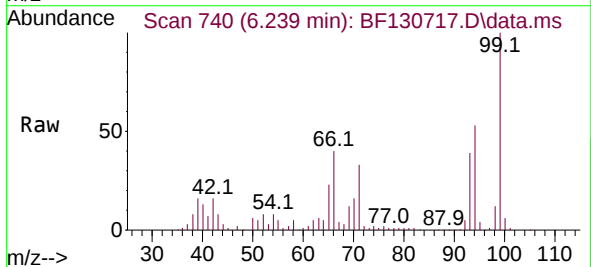
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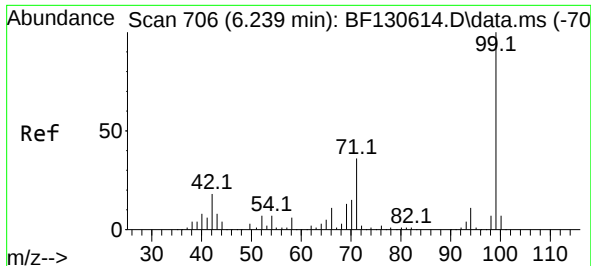
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#6
Aniline
Concen: 23.759 ng
RT: 6.239 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

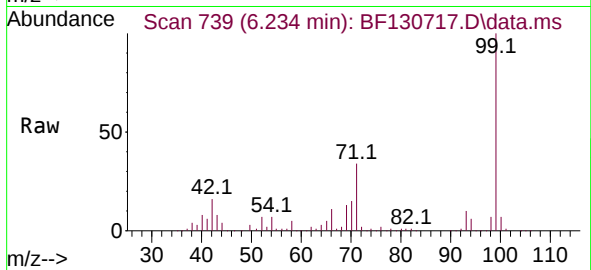
Tgt Ion: 93 Resp: 158897
Ion Ratio Lower Upper
93 100
66 102.3 47.4 71.0#
65 59.2 26.6 40.0#





#7
Phenol-d6
Concen: 121.295 ng
RT: 6.234 min Scan# 711
Delta R.T. 0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

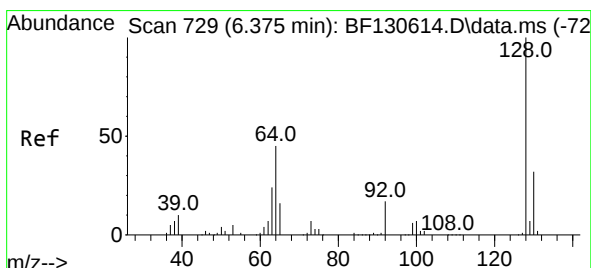
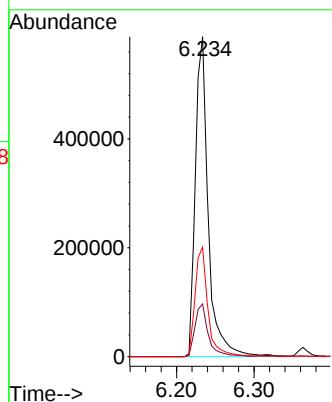
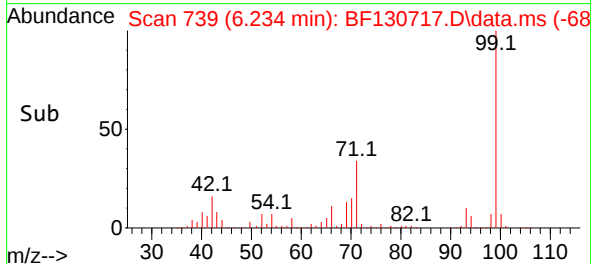
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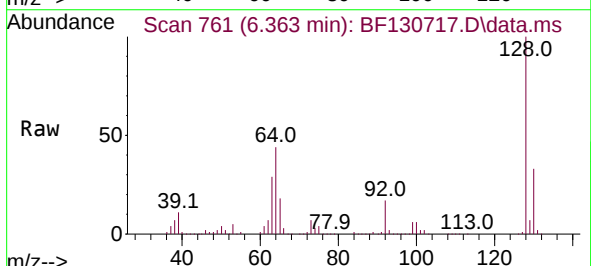
Tgt Ion: 99 Resp: 677573
Ion Ratio Lower Upper
99 100
42 16.5 14.0 21.0
71 34.2 28.8 43.2

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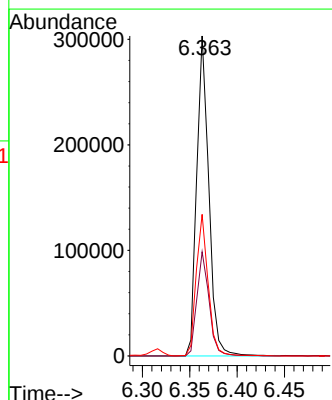
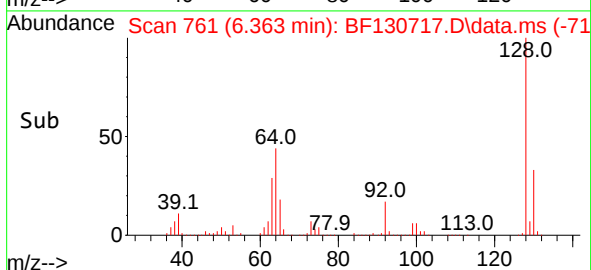
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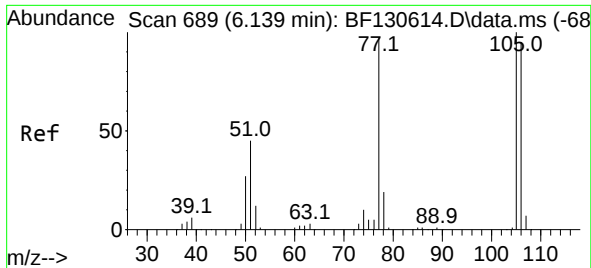


#8
2-Chlorophenol
Concen: 51.393 ng
RT: 6.363 min Scan# 761
Delta R.T. -0.000 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29



Tgt Ion:128 Resp: 268531
Ion Ratio Lower Upper
128 100
130 32.5 12.4 52.4
64 44.2 25.9 65.9





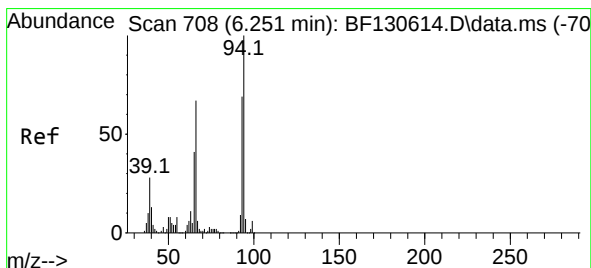
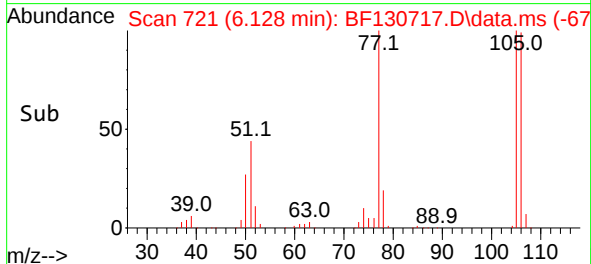
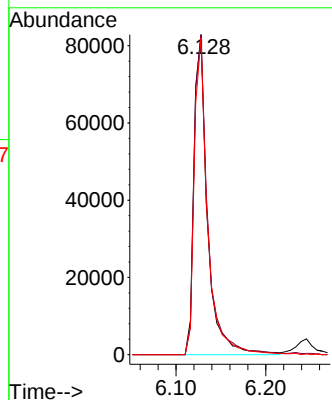
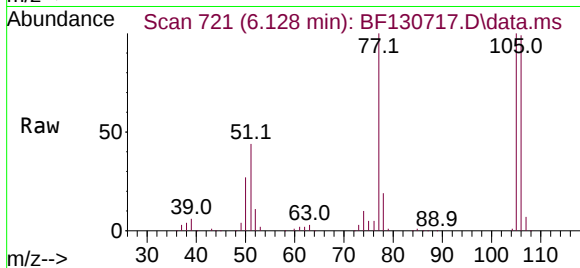
#9
Benzaldehyde
Concen: 24.709 ng
RT: 6.128 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013MS

Tgt Ion: 77 Resp: 86719
Ion Ratio Lower Upper
77 100
105 100.0 83.0 123.0
106 98.9 77.8 117.8

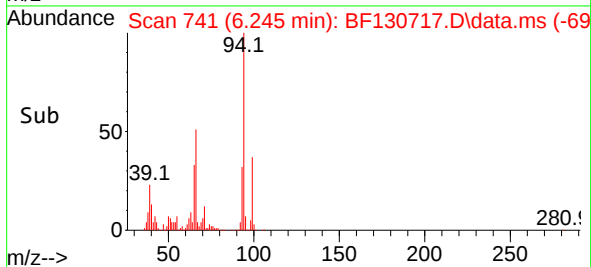
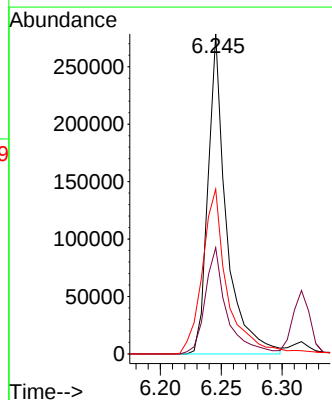
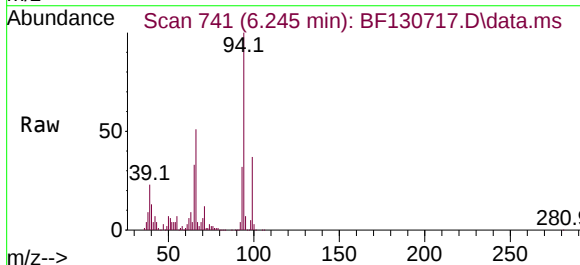
Manual Integrations
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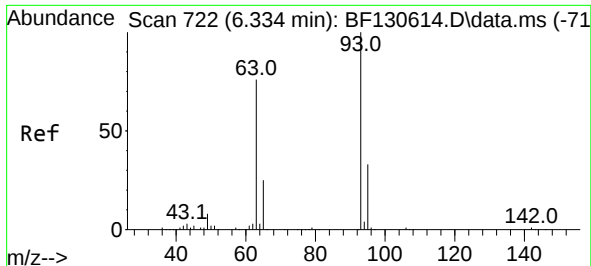
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Supervised By :mohammad ahmed 10/20/2022



#10
Phenol
Concen: 45.015 ng
RT: 6.245 min Scan# 741
Delta R.T. -0.000 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

Tgt Ion: 94 Resp: 290954
Ion Ratio Lower Upper
94 100
65 33.2 21.2 61.2
66 51.5 46.9 86.9





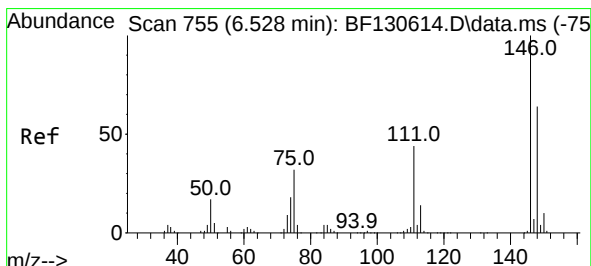
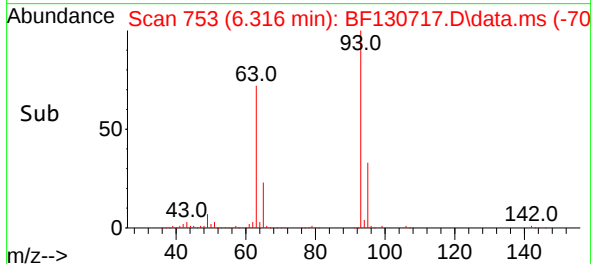
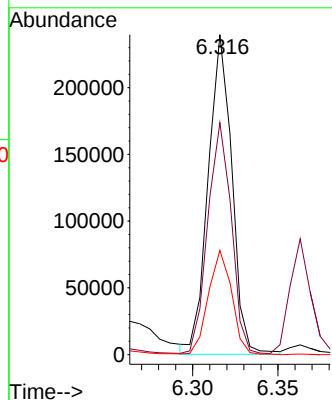
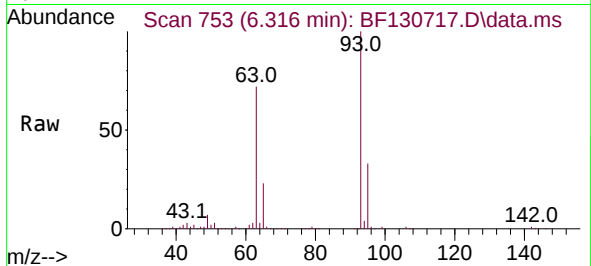
#11
bis(2-Chloroethyl)ether
Concen: 49.414 ng
RT: 6.316 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013MS

Tgt Ion: 93 Resp: 231999
Ion Ratio Lower Upper
93 100
63 72.5 56.1 96.1
95 32.5 12.4 52.4

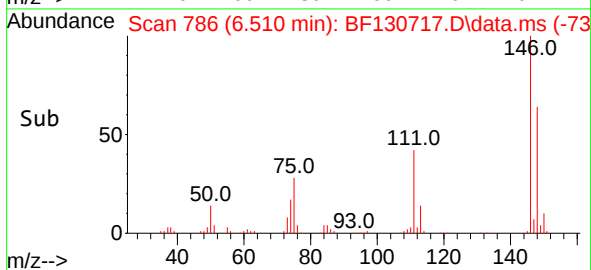
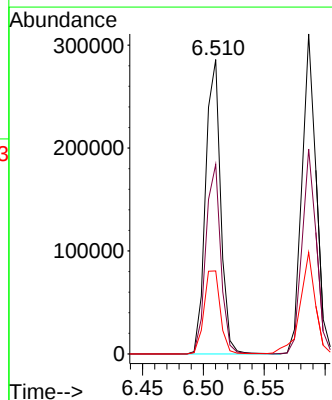
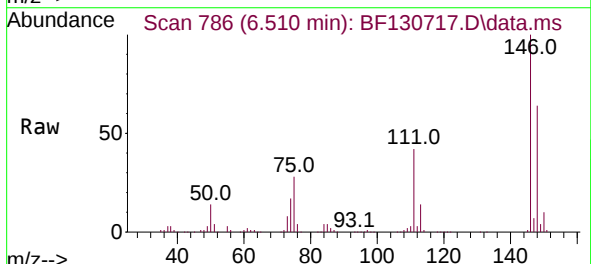
Manual Integrations
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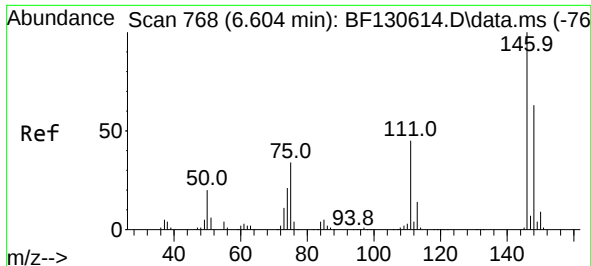
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#12
1,3-Dichlorobenzene
Concen: 42.899 ng
RT: 6.510 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

Tgt Ion:146 Resp: 245424
Ion Ratio Lower Upper
146 100
148 64.4 51.3 76.9
75 28.2 25.2 37.8





#13

1,4-Dichlorobenzene

Concen: 43.749 ng

RT: 6.587 min Scan# 79

Delta R.T. -0.006 min

Lab File: BF130717.D

Acq: 19 Oct 2022 18:29

Instrument :

BNA_F

ClientSampleId :

HAS-SOIL-1013MS

Tgt Ion:146 Resp: 253913

Ion Ratio Lower Upper

146 100

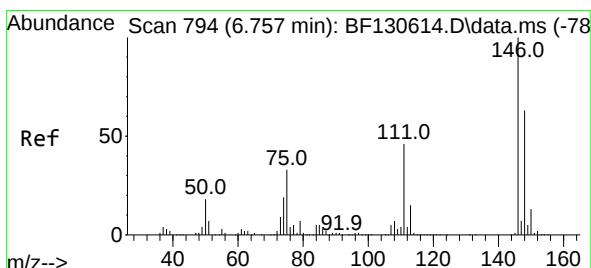
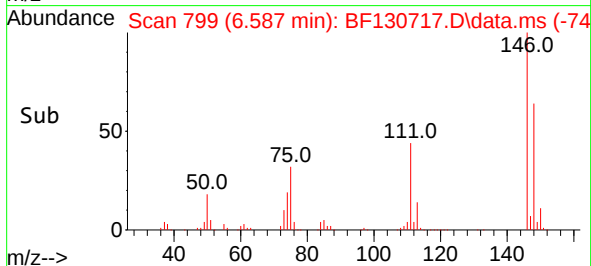
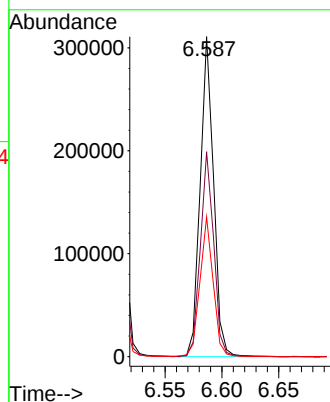
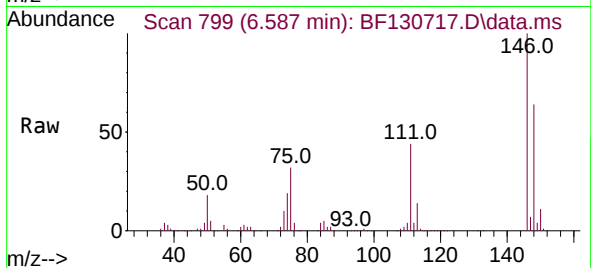
148 64.0 50.1 75.1

111 43.6 35.9 53.9

Manual Integrations

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Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#14

1,2-Dichlorobenzene

Concen: 49.643 ng

RT: 6.739 min Scan# 825

Delta R.T. -0.006 min

Lab File: BF130717.D

Acq: 19 Oct 2022 18:29

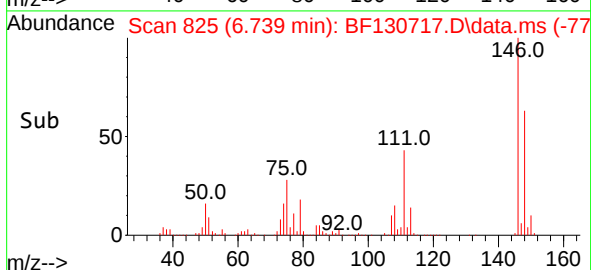
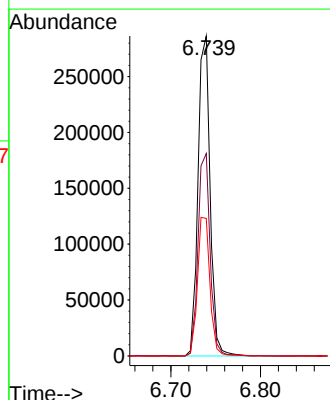
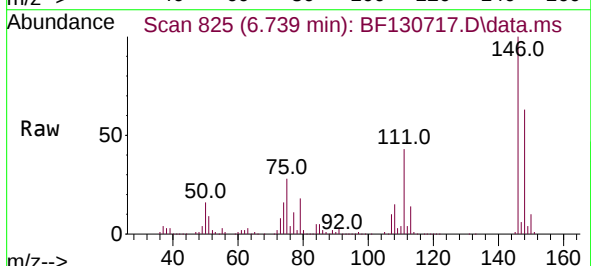
Tgt Ion:146 Resp: 268333

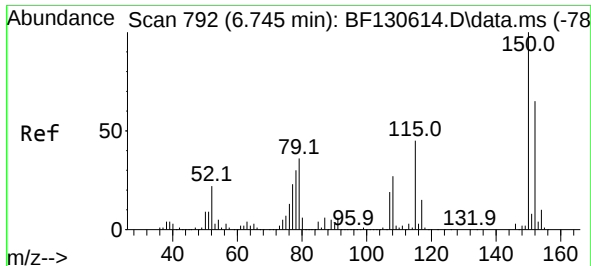
Ion Ratio Lower Upper

146 100

148 63.2 50.5 75.7

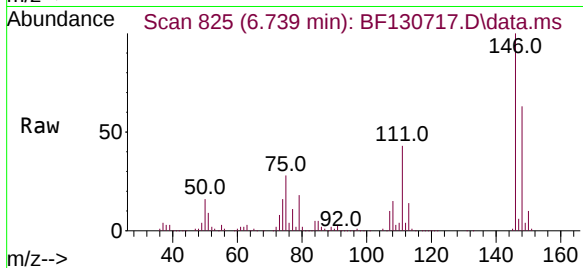
111 43.0 37.2 55.8





#15
Benzyl Alcohol
Concen: 45.996 ng
RT: 6.739 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

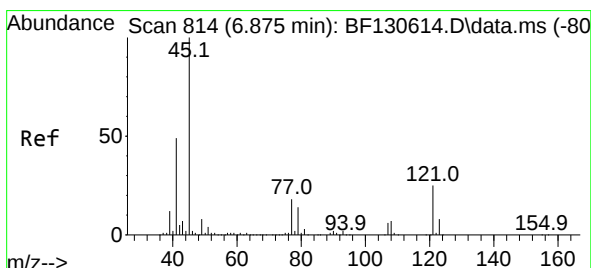
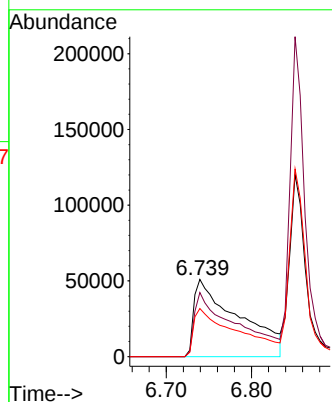
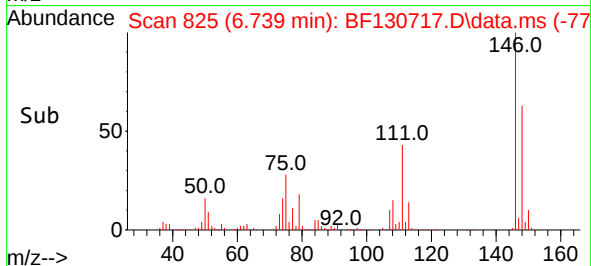
Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013MS



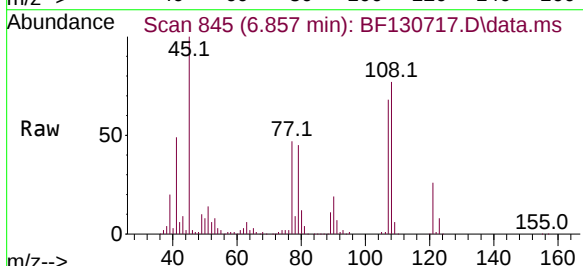
Tgt Ion: 79 Resp: 184472
Ion Ratio Lower Upper
79 100
108 83.0 59.7 89.5
77 62.3 51.8 77.6

Manual Integrations
APPROVED

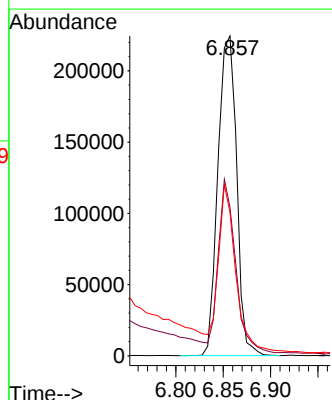
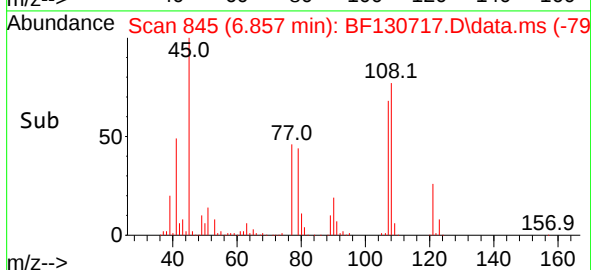
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022

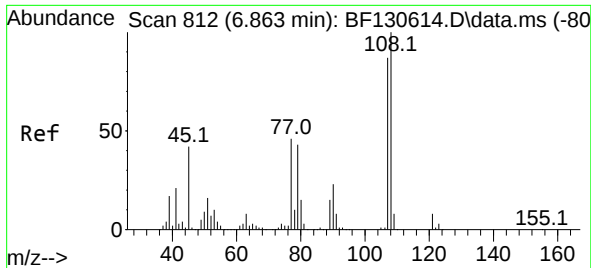


#16
2,2'-oxybis(1-Chloropropane)
Concen: 50.972 ng
RT: 6.857 min Scan# 845
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29



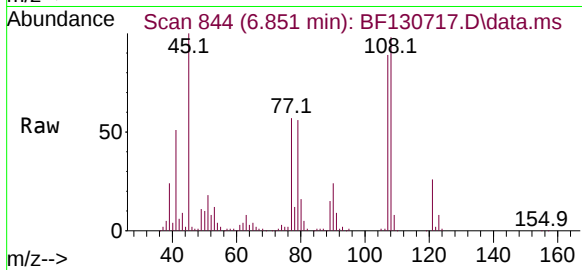
Tgt Ion: 45 Resp: 307887
Ion Ratio Lower Upper
45 100
77 46.6 0.0 38.7#
79 44.8 0.0 34.6#





#17
2-Methylphenol
Concen: 56.650 ng
RT: 6.851 min Scan# 844
Delta R.T. -0.000 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

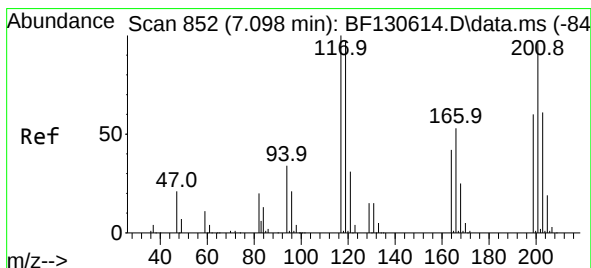
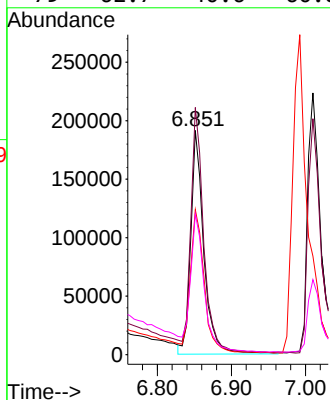
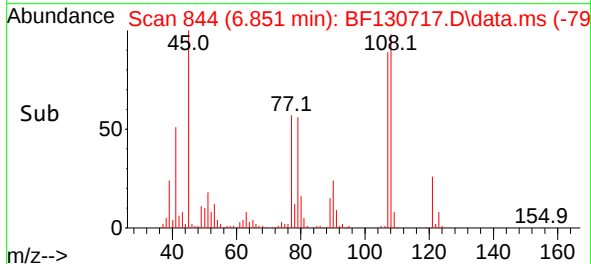
Instrument : BNA_F
ClientSampleId : HAS-SOIL-1013MS



Tgt Ion:107 Resp: 235454
Ion Ratio Lower Upper
107 100
108 110.3 92.2 138.2
77 64.6 42.7 64.1
79 62.7 40.6 60.8

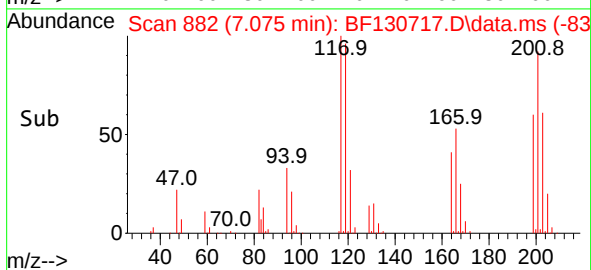
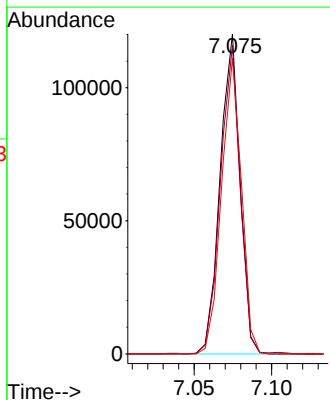
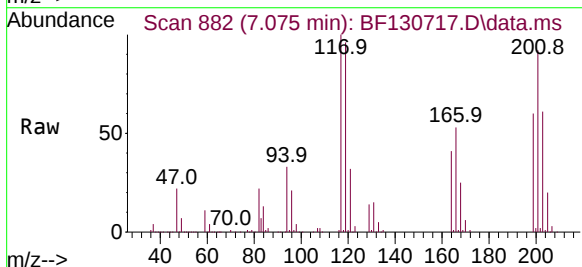
Manual Integrations
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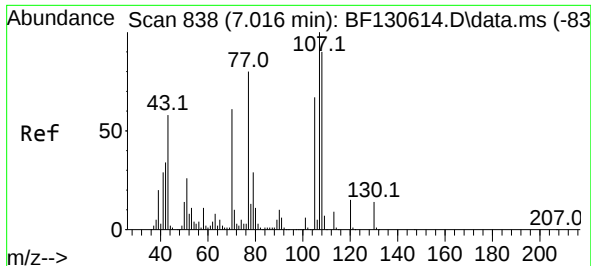
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#18
Hexachloroethane
Concen: 48.782 ng
RT: 7.075 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

Tgt Ion:117 Resp: 107109
Ion Ratio Lower Upper
117 100
119 96.5 77.6 116.4
201 92.4 77.0 115.6





#19

n-Nitroso-di-n-propylamine

Concen: 53.606 ng

RT: 6.998 min Scan# 80

Delta R.T. -0.006 min

Lab File: BF130717.D

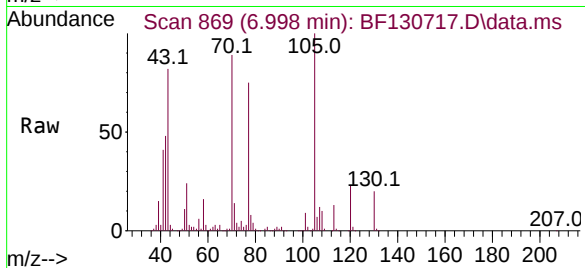
Acq: 19 Oct 2022 18:29

Instrument :

BNA_F

ClientSampleId :

HAS-SOIL-1013MS



Tgt Ion: 70 Resp: 193200

Ion Ratio Lower Upper

70 100

42 54.3 44.3 66.5

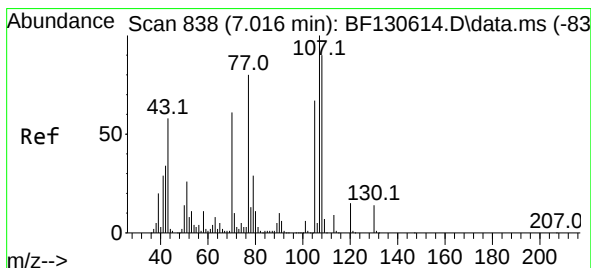
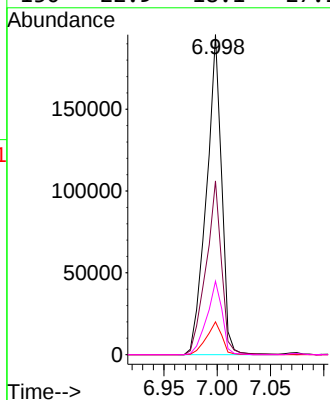
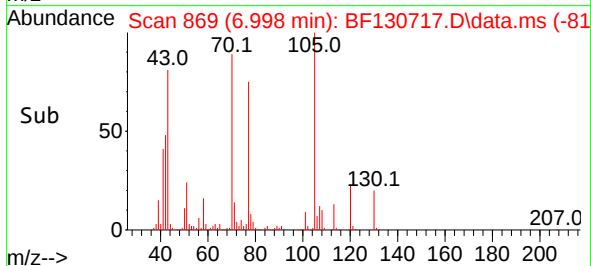
101 10.3 7.9 11.9

130 22.9 18.1 27.1

Manual Integrations

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Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#20

3+4-Methylphenols

Concen: 51.408 ng

RT: 7.010 min Scan# 871

Delta R.T. 0.006 min

Lab File: BF130717.D

Acq: 19 Oct 2022 18:29

Tgt Ion:107 Resp: 286311

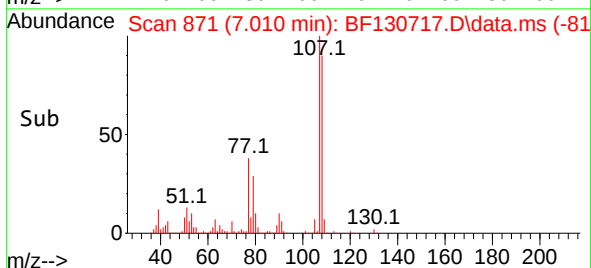
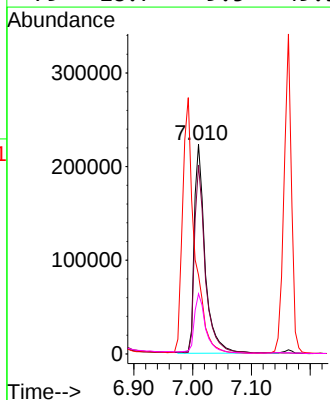
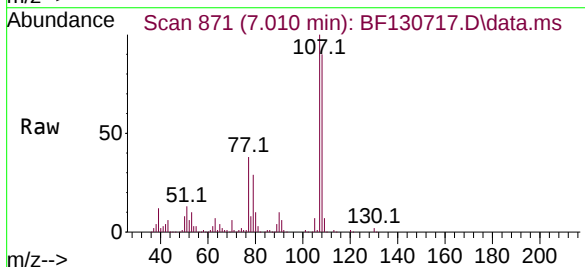
Ion Ratio Lower Upper

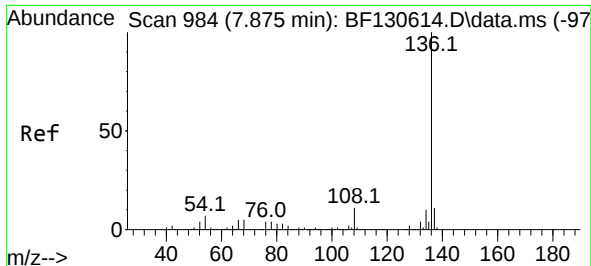
107 100

108 90.2 69.7 109.7

77 37.6 59.7 99.7#

79 28.7 9.5 49.5





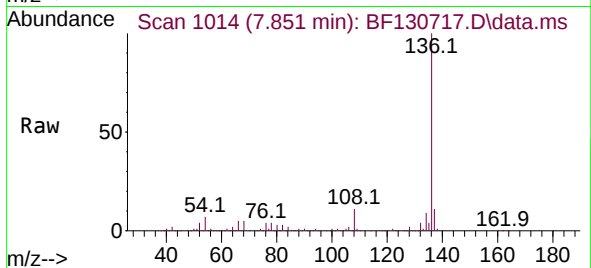
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.851 min Scan# 1014
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

Instrument :

BNA_F

ClientSampleId :

HAS-SOIL-1013MS

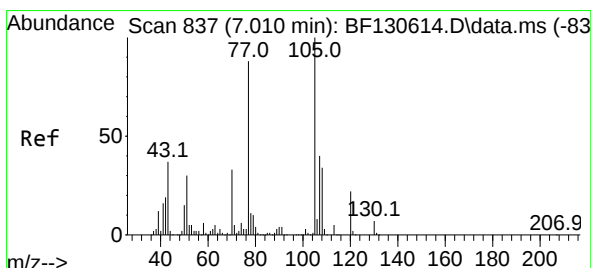
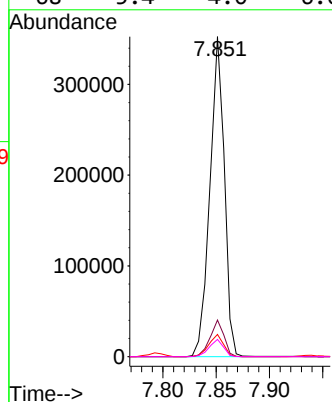
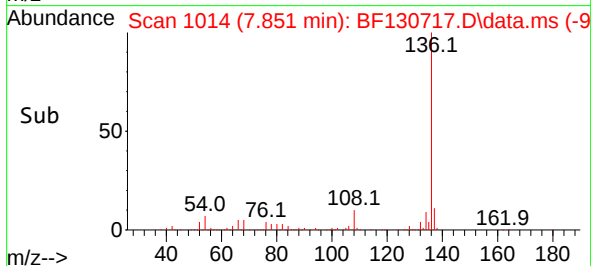


Tgt Ion:136 Resp: 332753
Ion Ratio Lower Upper
136 100
137 11.4 8.4 12.6
54 6.9 5.5 8.3
68 5.4 4.0 6.0

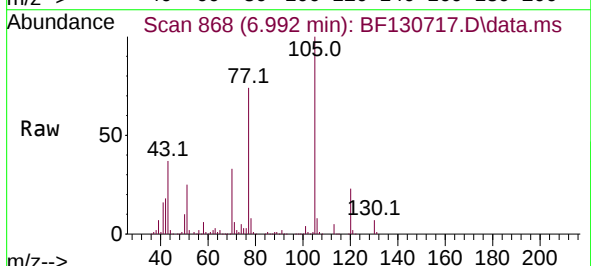
Manual Integrations

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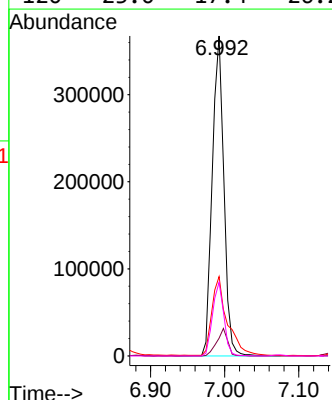
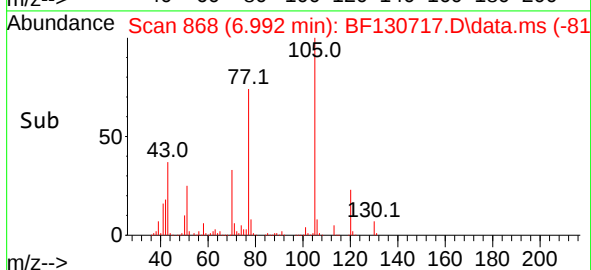
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022

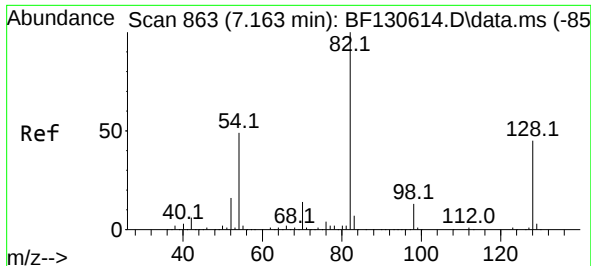


#22
Acetophenone
Concen: 50.160 ng
RT: 6.992 min Scan# 868
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29



Tgt Ion:105 Resp: 400391
Ion Ratio Lower Upper
105 100
71 5.5 4.2 6.4
51 24.8 24.3 36.5
120 23.0 17.4 26.2





#23

Nitrobenzene-d5

Concen: 80.089 ng

RT: 7.145 min Scan# 894

Delta R.T. -0.006 min

Lab File: BF130717.D

Acq: 19 Oct 2022 18:29

Instrument :

BNA_F

ClientSampleId :

HAS-SOIL-1013MS

Tgt Ion: 82 Resp: 488176

Ion Ratio Lower Upper

82 100

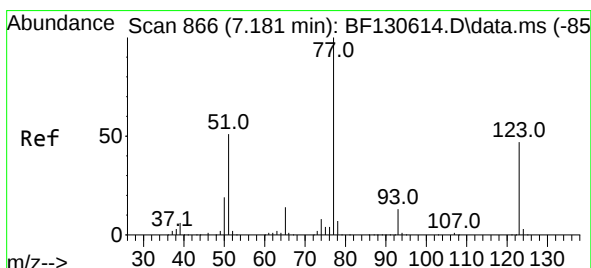
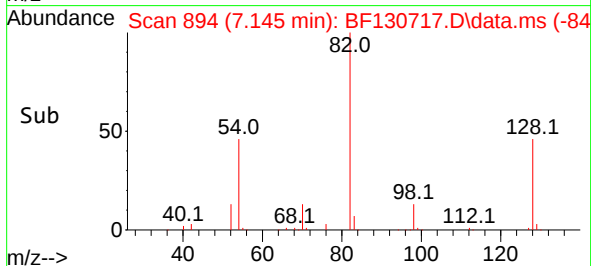
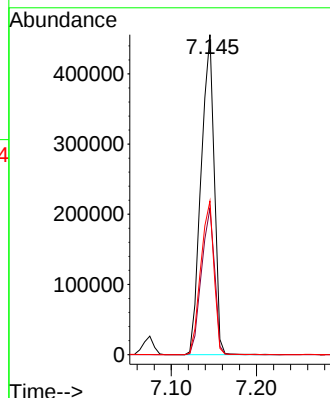
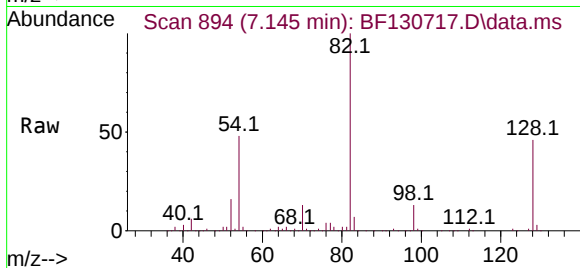
128 45.7 35.8 53.6

54 48.0 39.3 58.9

Manual Integrations

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Supervised By :mohammad ahmed 10/20/2022



#24

Nitrobenzene

Concen: 49.331 ng

RT: 7.163 min Scan# 897

Delta R.T. -0.006 min

Lab File: BF130717.D

Acq: 19 Oct 2022 18:29

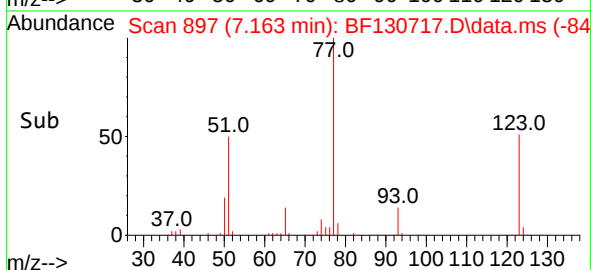
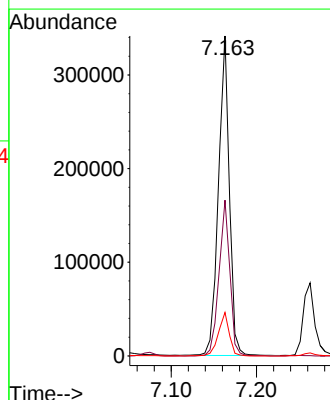
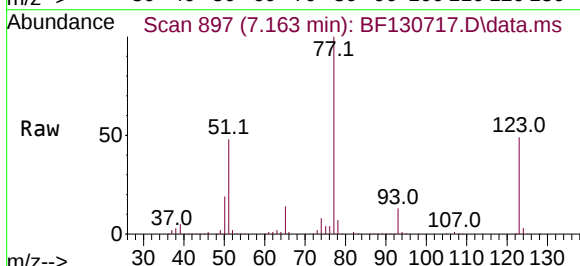
Tgt Ion: 77 Resp: 302392

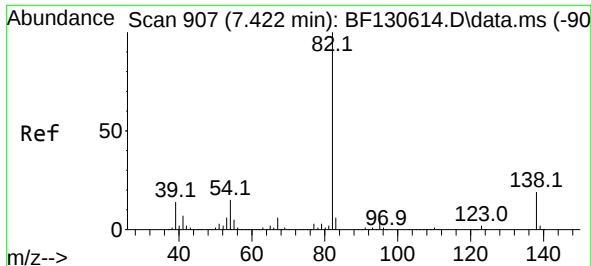
Ion Ratio Lower Upper

77 100

123 48.7 37.5 56.3

65 13.6 11.0 16.4





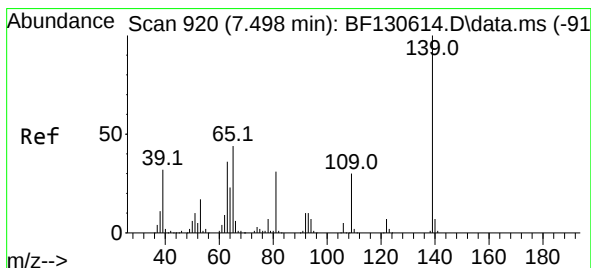
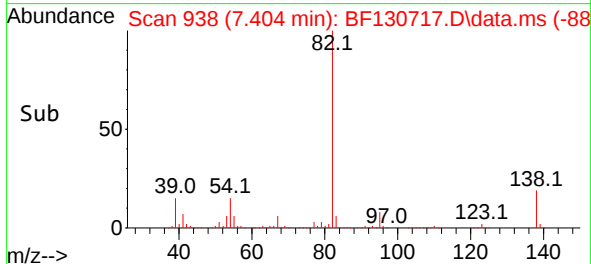
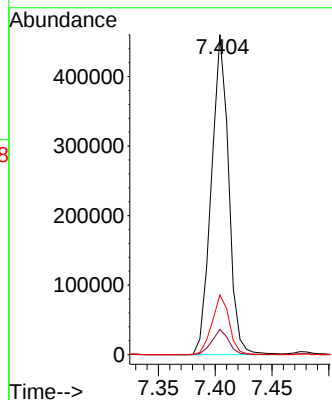
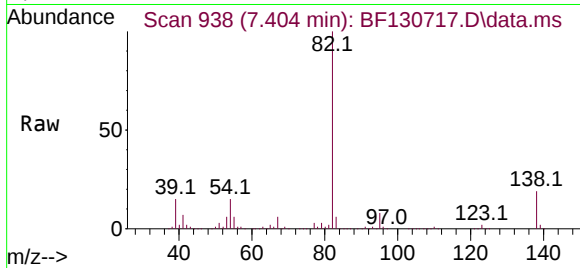
#25
Isophorone
Concen: 48.084 ng
RT: 7.404 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013MS

Tgt Ion: 82 Resp: 487811
Ion Ratio Lower Upper
82 100
95 7.9 6.1 9.1
138 18.6 14.9 22.3

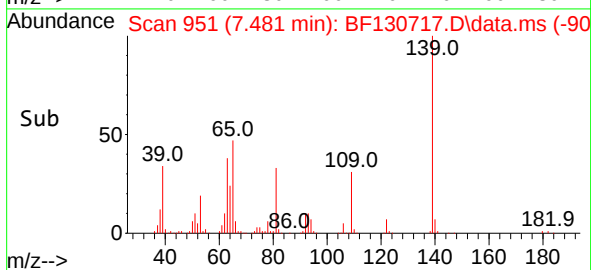
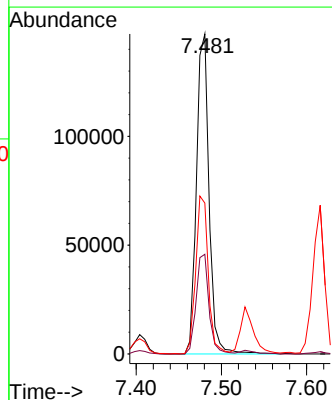
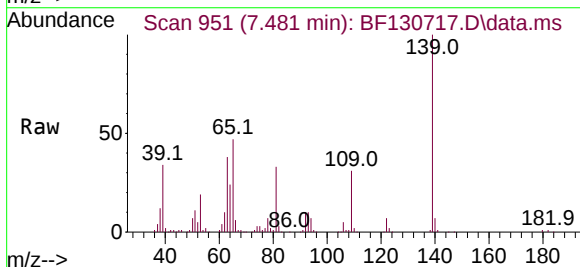
Manual Integrations
APPROVED

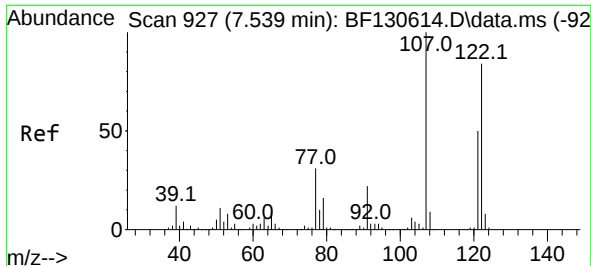
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#26
2-Nitrophenol
Concen: 50.161 ng
RT: 7.481 min Scan# 951
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

Tgt Ion:139 Resp: 150790
Ion Ratio Lower Upper
139 100
109 31.1 23.9 35.9
65 47.1 34.9 52.3





#27

2,4-Dimethylphenol

Concen: 55.352 ng

RT: 7.528 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF130717.D

Acq: 19 Oct 2022 18:29

Instrument :

BNA_F

ClientSampleId :

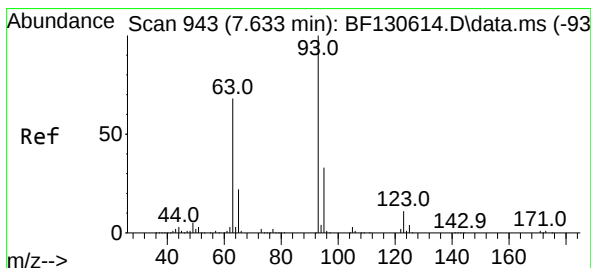
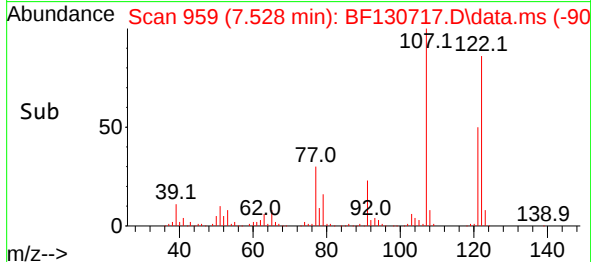
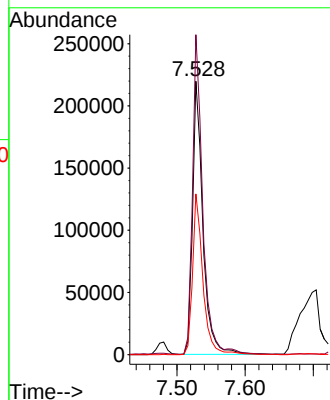
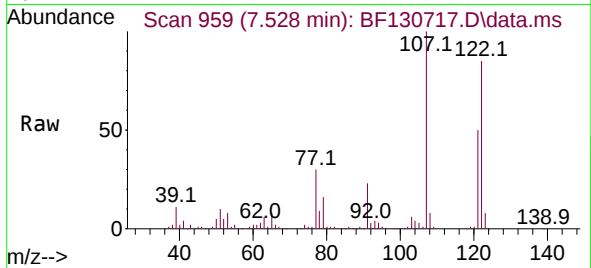
HAS-SOIL-1013MS

Tgt Ion:	122	Resp:	231916
Ion	Ratio	Lower	Upper
122	100		
107	117.0	94.9	142.3
121	58.8	47.1	70.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#28

bis(2-Chloroethoxy)methane

Concen: 53.702 ng

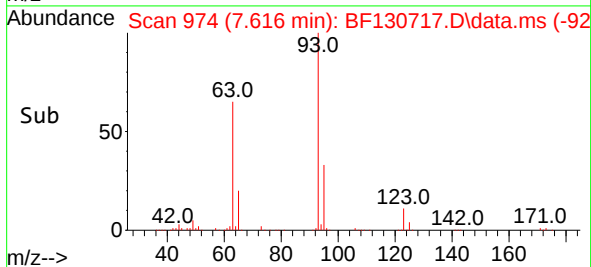
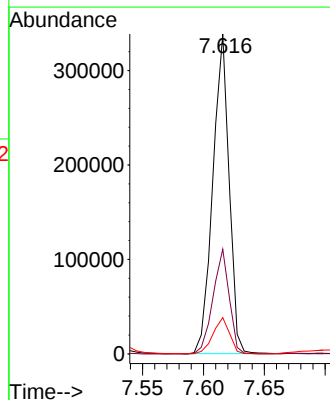
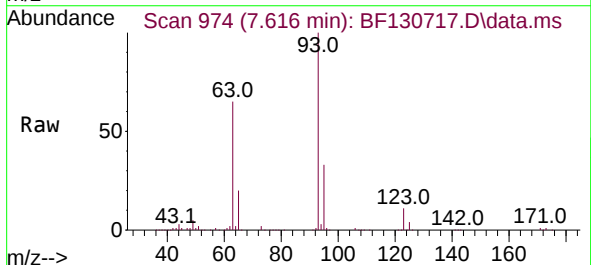
RT: 7.616 min Scan# 974

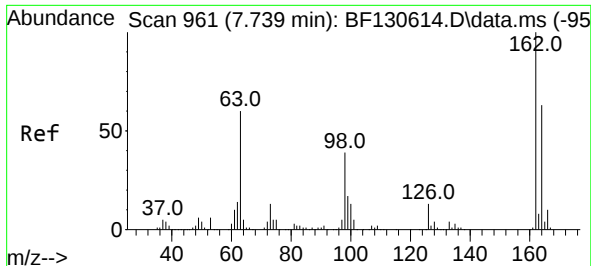
Delta R.T. -0.006 min

Lab File: BF130717.D

Acq: 19 Oct 2022 18:29

Tgt Ion:	93	Resp:	315454
Ion	Ratio	Lower	Upper
93	100		
95	32.7	26.4	39.6
123	11.3	9.1	13.7





#29

2,4-Dichlorophenol

Concen: 50.850 ng

RT: 7.728 min Scan# 99

Delta R.T. -0.000 min

Lab File: BF130717.D

Acq: 19 Oct 2022 18:29

Instrument :

BNA_F

ClientSampleId :

HAS-SOIL-1013MS

Tgt Ion:162 Resp: 238366

Ion Ratio Lower Upper

162 100

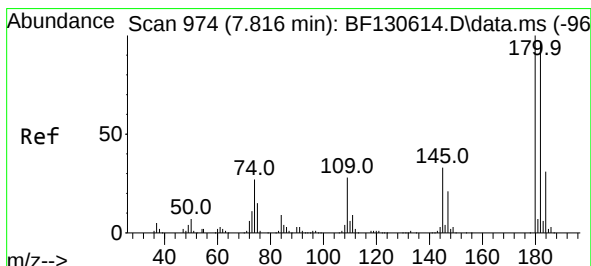
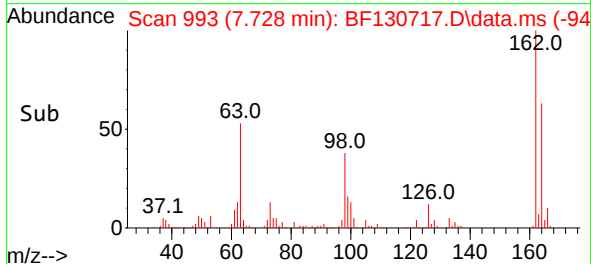
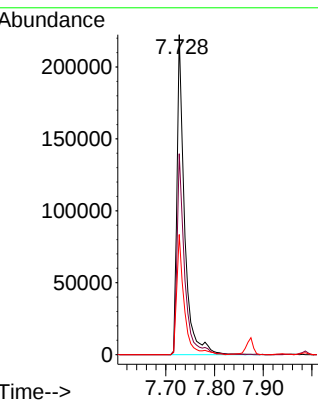
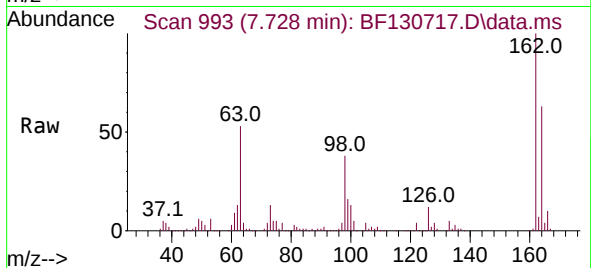
164 62.8 42.8 82.8

98 37.6 18.6 58.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#30

1,2,4-Trichlorobenzene

Concen: 40.121 ng

RT: 7.798 min Scan# 1005

Delta R.T. -0.006 min

Lab File: BF130717.D

Acq: 19 Oct 2022 18:29

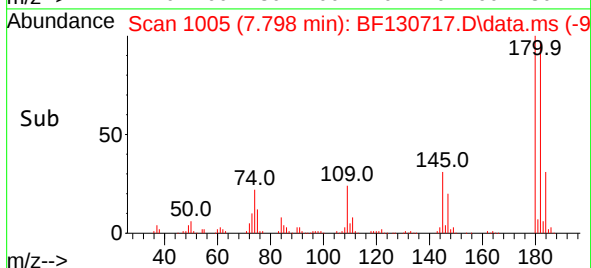
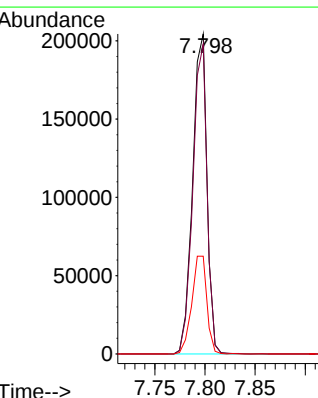
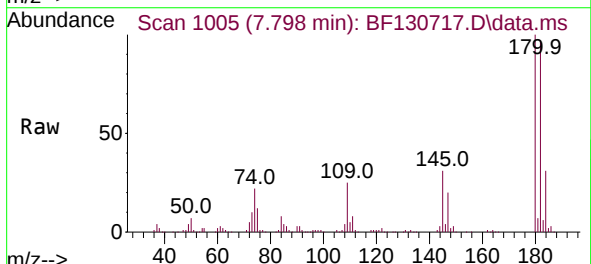
Tgt Ion:180 Resp: 202758

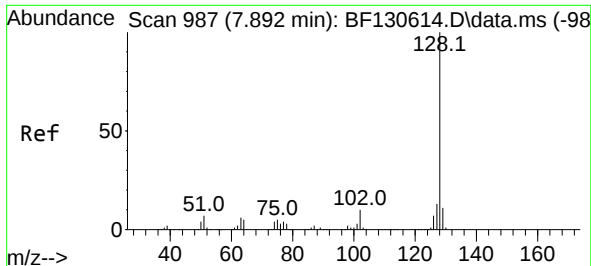
Ion Ratio Lower Upper

180 100

182 96.8 78.0 117.0

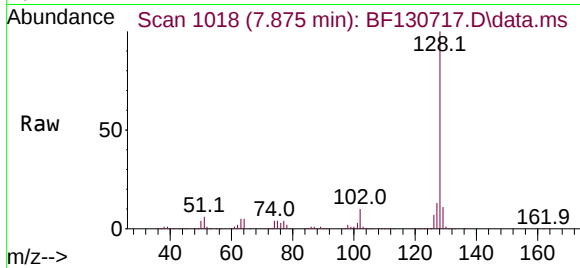
145 30.5 26.7 40.1





#31
Naphthalene
Concen: 41.804 ng
RT: 7.875 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

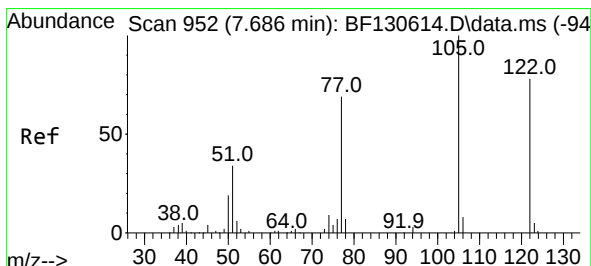
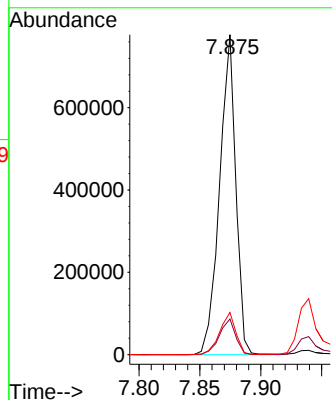
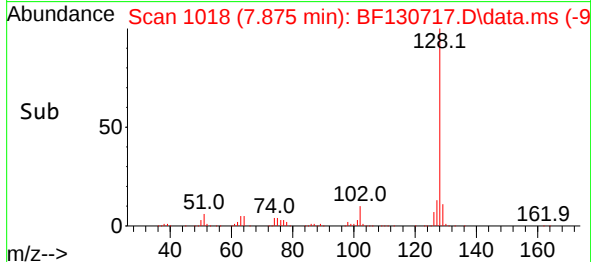
Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013MS



Tgt Ion:128 Resp: 720072
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.2 10.3 15.5

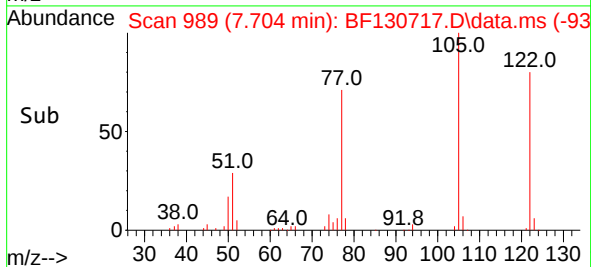
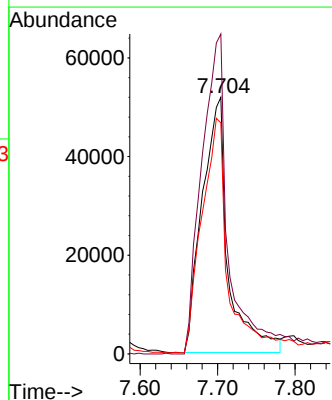
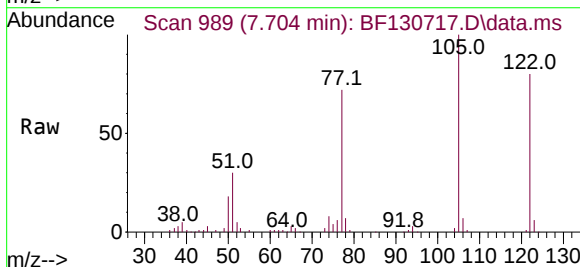
Manual Integrations
APPROVED

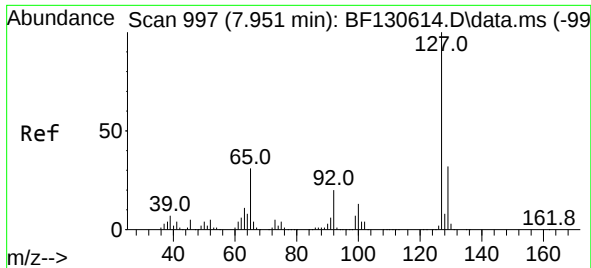
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#32
Benzoic acid
Concen: 45.856 ng
RT: 7.704 min Scan# 989
Delta R.T. 0.018 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

Tgt Ion:122 Resp: 121547
Ion Ratio Lower Upper
122 100
105 124.7 104.8 144.8
77 90.0 68.2 108.2





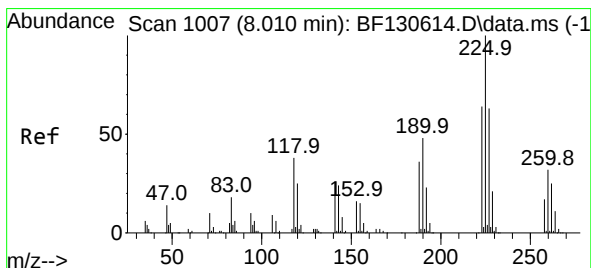
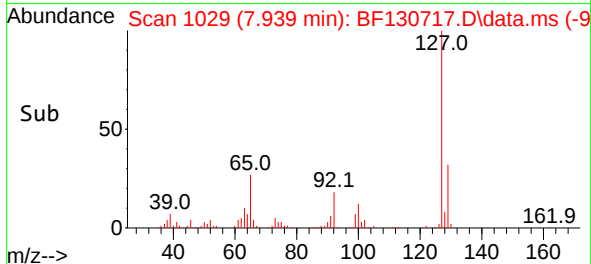
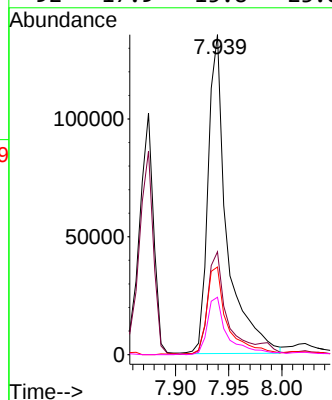
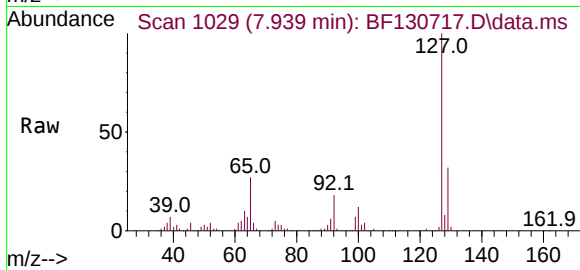
#33
4-Chloroaniline
Concen: 25.053 ng
RT: 7.939 min Scan# 1029
Delta R.T. -0.000 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013MS

Tgt Ion:	127	Resp:	16716
Ion Ratio	Lower	Upper	
127	100		
129	32.1	25.7	38.5
65	27.4	24.7	37.1
92	17.9	15.8	23.8

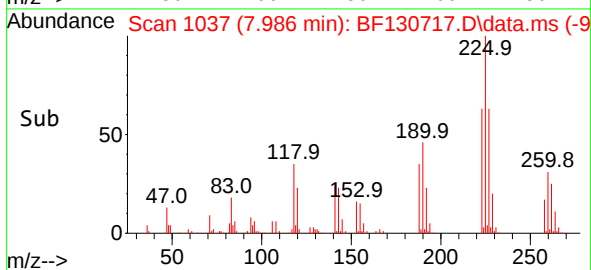
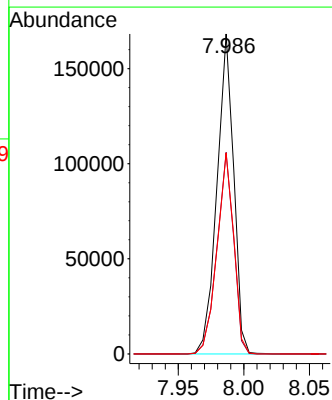
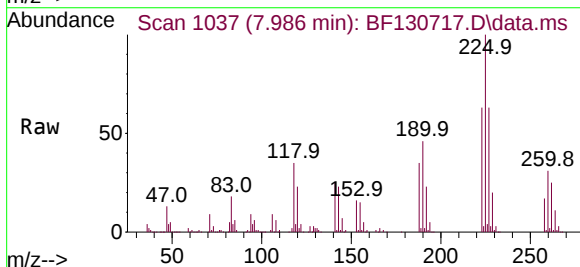
Manual Integrations
APPROVED

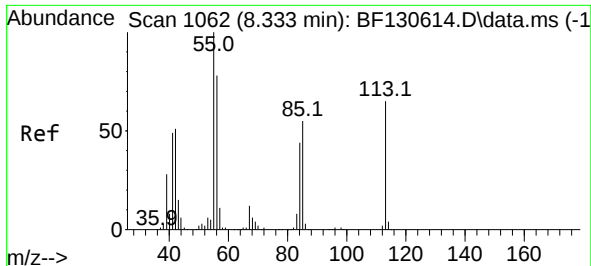
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#34
Hexachlorobutadiene
Concen: 47.708 ng
RT: 7.986 min Scan# 1037
Delta R.T. -0.012 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

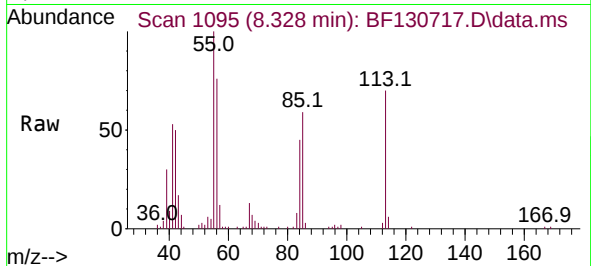
Tgt Ion:	225	Resp:	149642
Ion Ratio	Lower	Upper	
225	100		
223	63.0	51.5	77.3
227	62.8	50.4	75.6





#35
Caprolactam
Concen: 36.511 ng m
RT: 8.328 min Scan# 1095
Delta R.T. -0.000 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

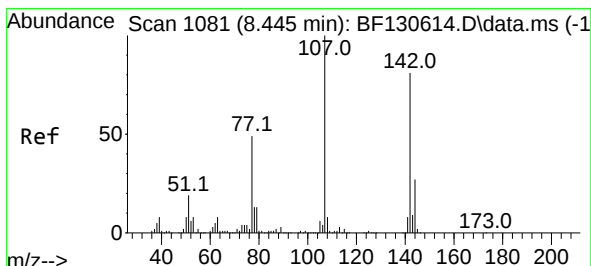
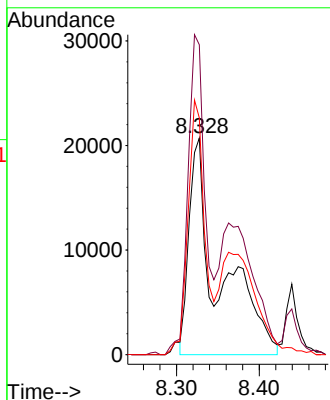
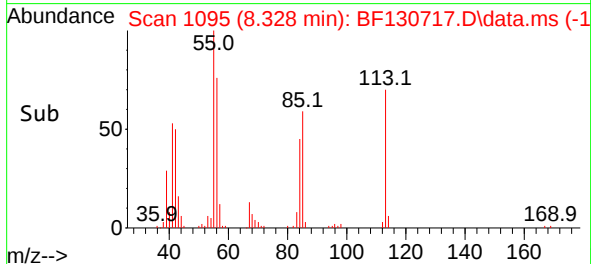
Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013MS



Tgt Ion:113 Resp: 51495
Ion Ratio Lower Upper
113 100
55 143.1 134.3 174.3
56 109.3 101.0 141.0

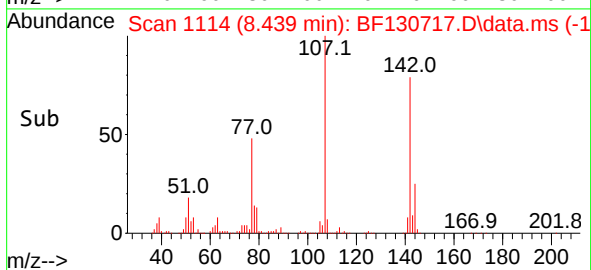
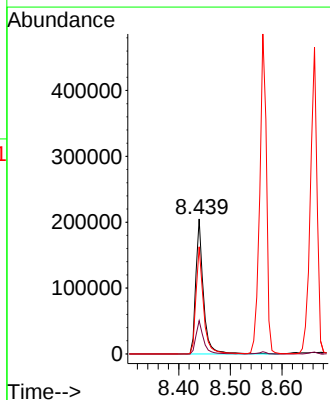
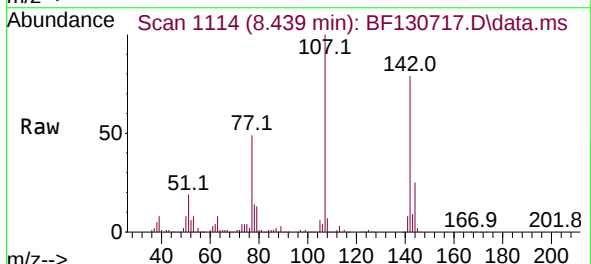
Manual Integrations
APPROVED

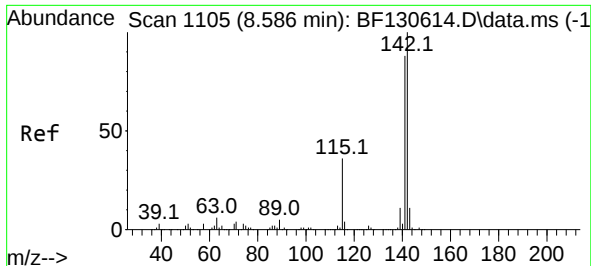
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#36
4-Chloro-3-methylphenol
Concen: 40.797 ng
RT: 8.439 min Scan# 1114
Delta R.T. 0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

Tgt Ion:107 Resp: 207443
Ion Ratio Lower Upper
107 100
144 24.6 21.9 32.9
142 79.4 64.6 96.8





#37

2-Methylnaphthalene

Concen: 40.671 ng

RT: 8.563 min Scan# 1105

Delta R.T. -0.006 min

Lab File: BF130717.D

Acq: 19 Oct 2022 18:29

Instrument :

BNA_F

ClientSampleId :

HAS-SOIL-1013MS

Tgt Ion:142 Resp: 440856

Ion Ratio Lower Upper

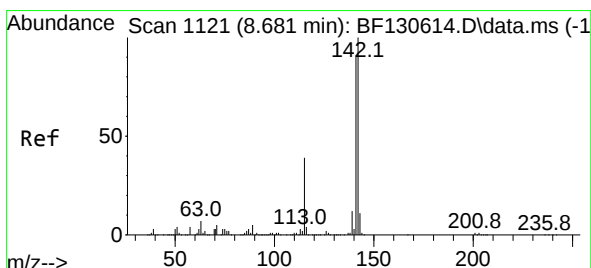
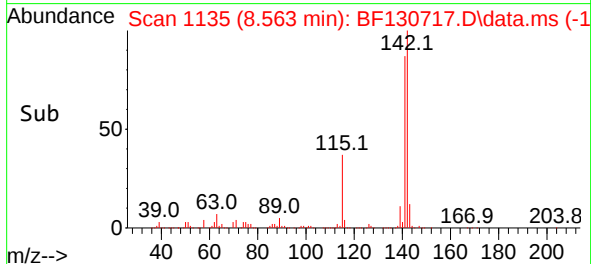
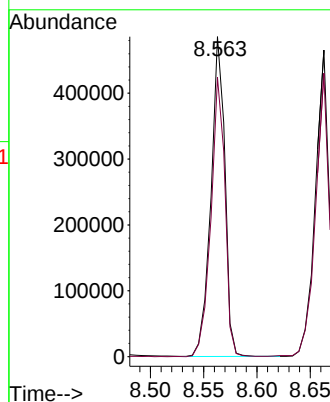
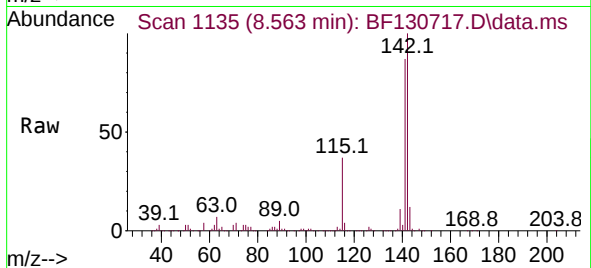
142 100

141 87.2 70.7 106.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#38

1-Methylnaphthalene

Concen: 39.657 ng

RT: 8.663 min Scan# 1152

Delta R.T. -0.006 min

Lab File: BF130717.D

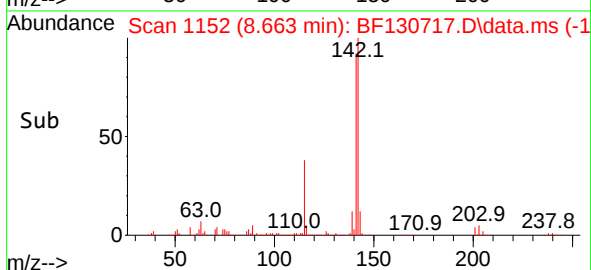
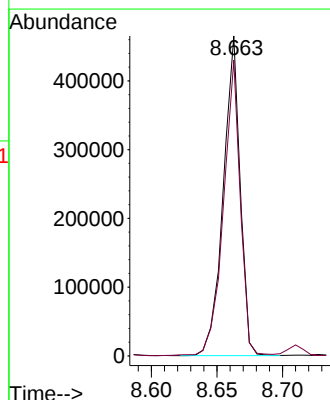
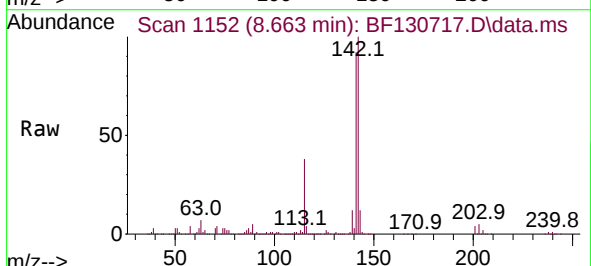
Acq: 19 Oct 2022 18:29

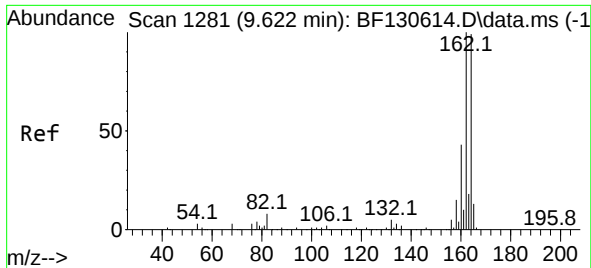
Tgt Ion:142 Resp: 417297

Ion Ratio Lower Upper

142 100

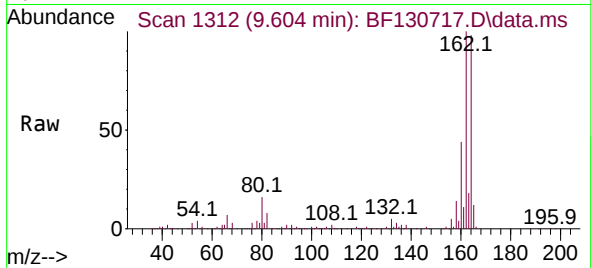
141 92.4 72.6 108.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.604 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

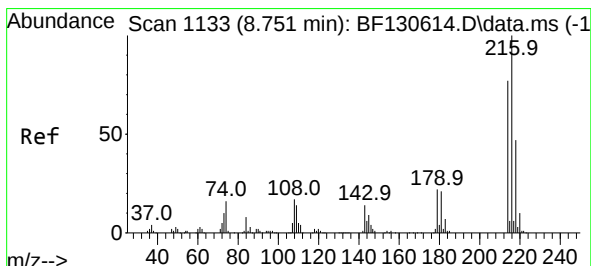
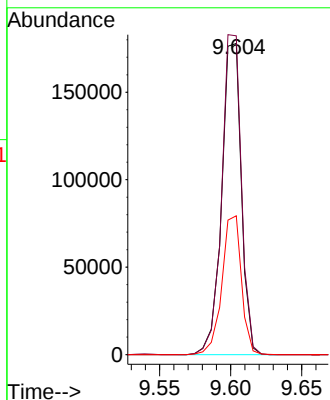
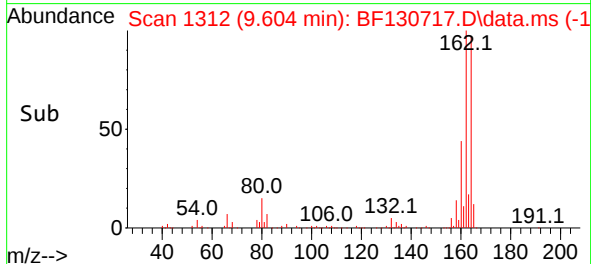
Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013MS



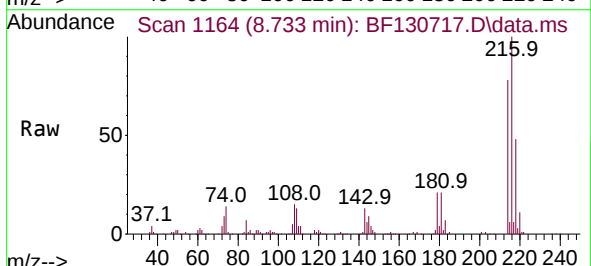
Tgt Ion:164 Resp: 171639
Ion Ratio Lower Upper
164 100
162 102.5 81.0 121.4
160 44.6 34.5 51.7

Manual Integrations
APPROVED

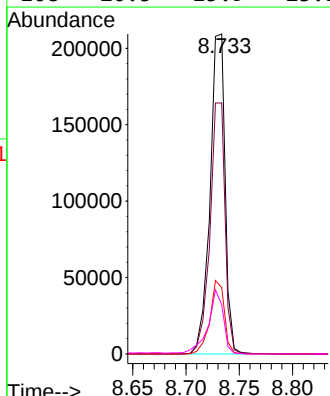
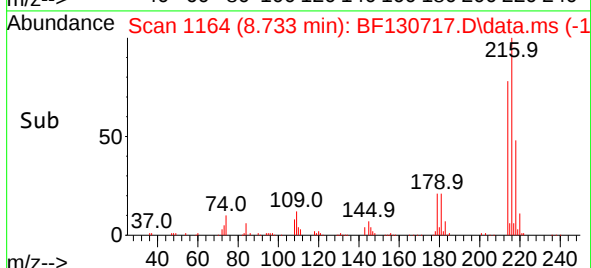
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022

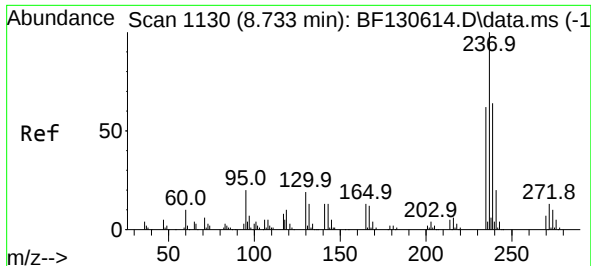


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.318 ng
RT: 8.733 min Scan# 1164
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29



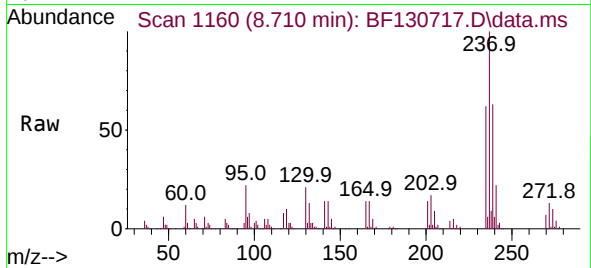
Tgt Ion:216 Resp: 206378
Ion Ratio Lower Upper
216 100
214 78.3 62.1 93.1
179 21.9 18.6 27.8
108 20.5 15.9 23.9





#41
Hexachlorocyclopentadiene
Concen: 57.139 ng
RT: 8.710 min Scan# 1130
Delta R.T. -0.012 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

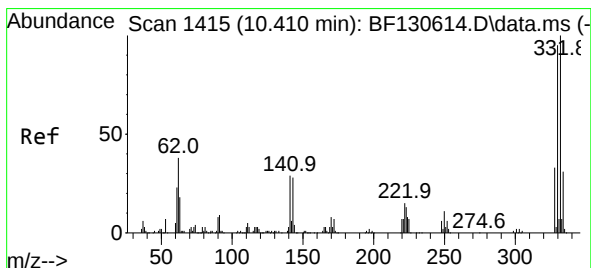
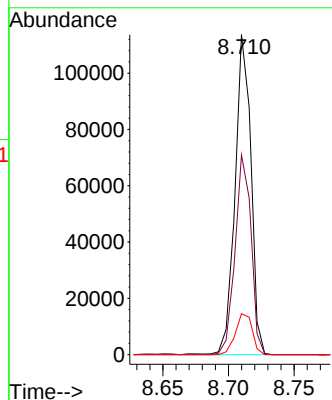
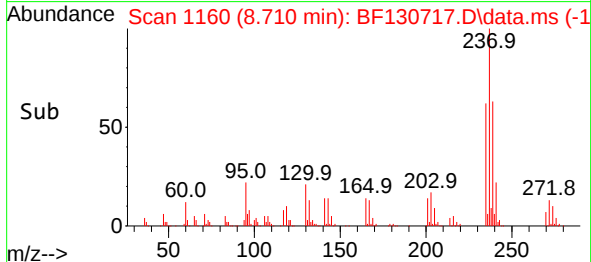
Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013MS



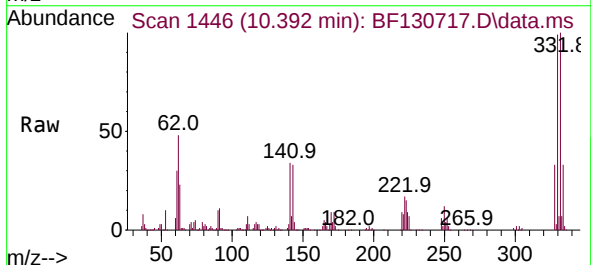
Tgt Ion:237 Resp: 95910
Ion Ratio Lower Upper
237 100
235 62.4 42.2 82.2
272 12.8 0.0 32.6

Manual Integrations
APPROVED

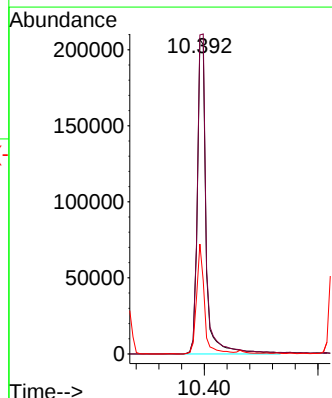
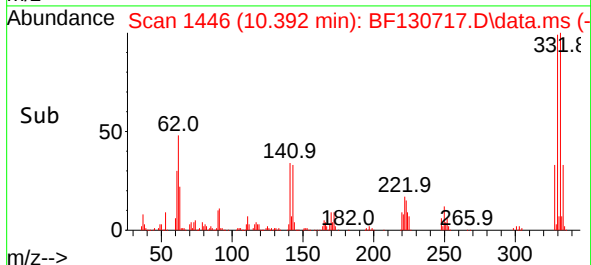
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022

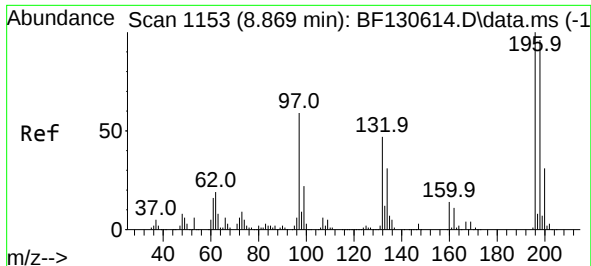


#42
2,4,6-Tribromophenol
Concen: 130.953 ng
RT: 10.392 min Scan# 1446
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29



Tgt Ion:330 Resp: 219932
Ion Ratio Lower Upper
330 100
332 103.9 84.2 126.4
141 31.2 26.8 40.2





#43

2,4,6-Trichlorophenol

Concen: 40.925 ng

RT: 8.857 min Scan# 1153

Delta R.T. -0.000 min

Lab File: BF130717.D

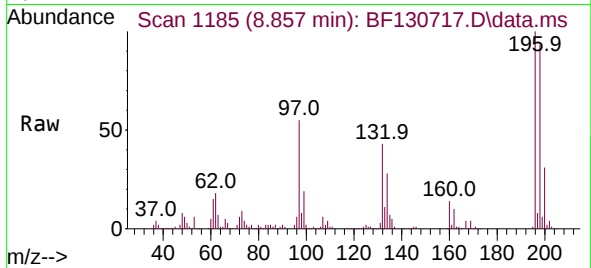
Acq: 19 Oct 2022 18:29

Instrument :

BNA_F

ClientSampleId :

HAS-SOIL-1013MS



Tgt Ion:196 Resp: 127963

Ion Ratio Lower Upper

196 100

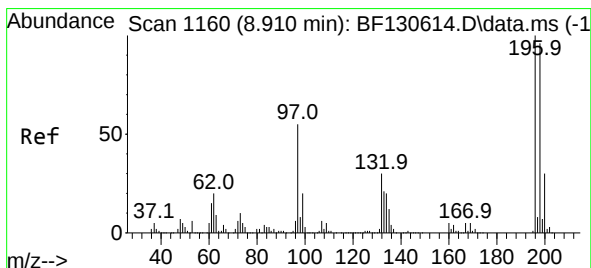
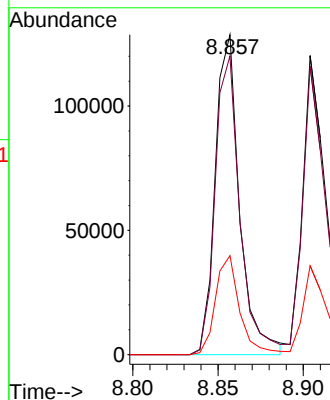
198 93.3 76.6 115.0

200 30.9 25.0 37.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#44

2,4,5-Trichlorophenol

Concen: 40.420 ng

RT: 8.904 min Scan# 1193

Delta R.T. -0.000 min

Lab File: BF130717.D

Acq: 19 Oct 2022 18:29

Tgt Ion:196 Resp: 138987

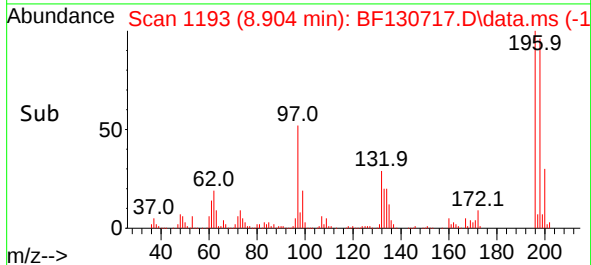
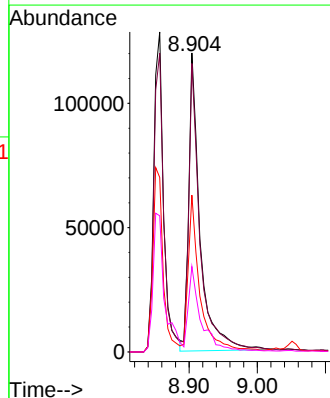
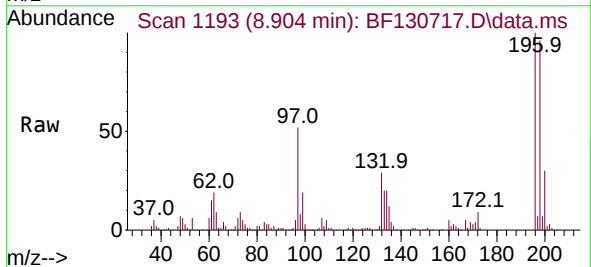
Ion Ratio Lower Upper

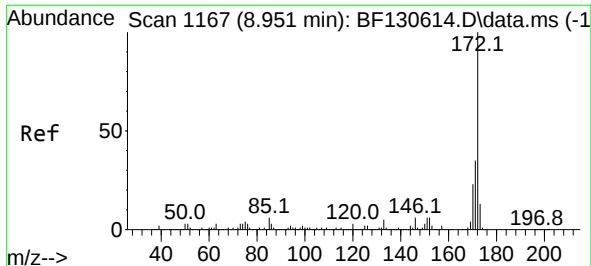
196 100

198 96.5 76.6 114.8

97 52.4 44.3 66.5

132 28.5 24.6 36.8





#45

2-Fluorobiphenyl

Concen: 72.370 ng

RT: 8.928 min Scan# 1167

Delta R.T. -0.012 min

Lab File: BF130717.D

Acq: 19 Oct 2022 18:29

Instrument :

BNA_F

ClientSampleId :

HAS-SOIL-1013MS

Tgt Ion:172 Resp: 82003

Ion Ratio Lower Upper

172 100

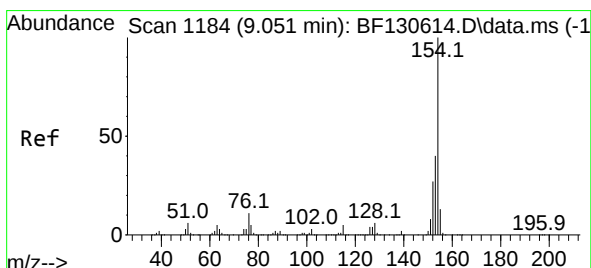
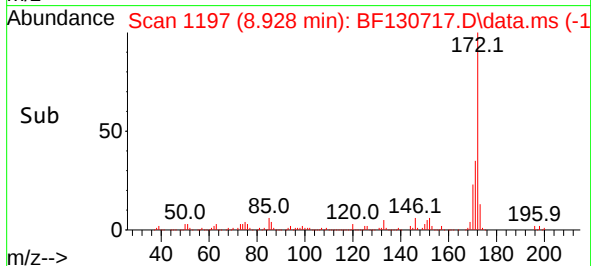
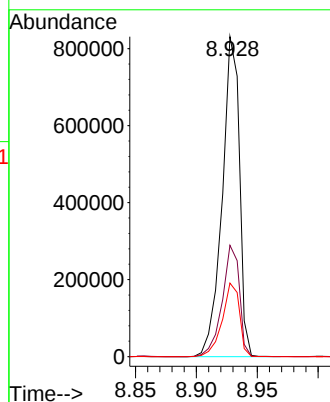
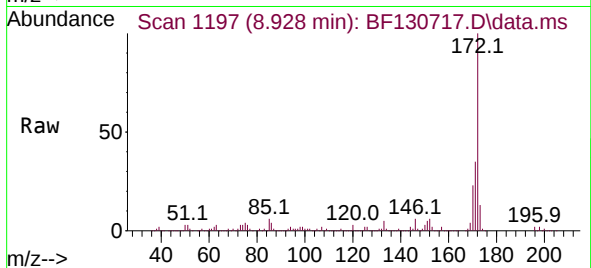
171 34.8 27.8 41.8

170 23.0 18.6 27.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#46

1,1'-Biphenyl

Concen: 44.044 ng

RT: 9.028 min Scan# 1214

Delta R.T. -0.012 min

Lab File: BF130717.D

Acq: 19 Oct 2022 18:29

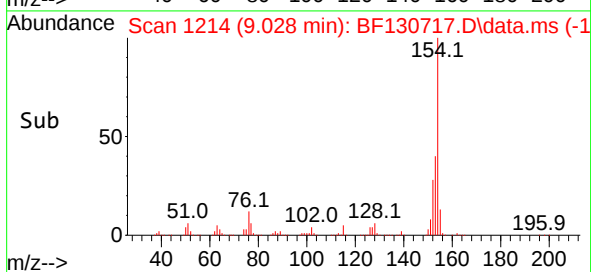
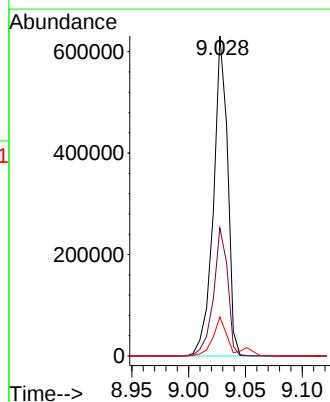
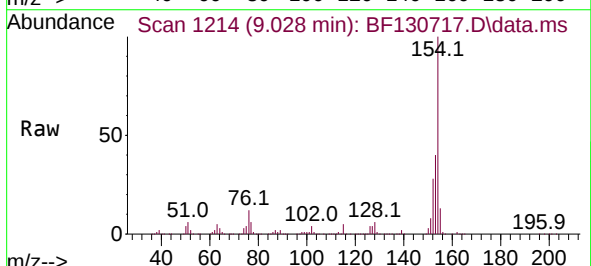
Tgt Ion:154 Resp: 547857

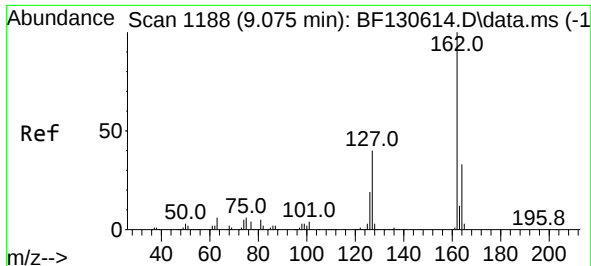
Ion Ratio Lower Upper

154 100

153 40.0 20.0 60.0

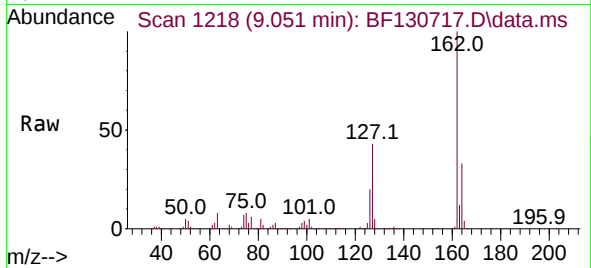
76 12.2 0.0 30.8





#47
2-Chloronaphthalene
Concen: 42.087 ng
RT: 9.051 min Scan# 1188
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

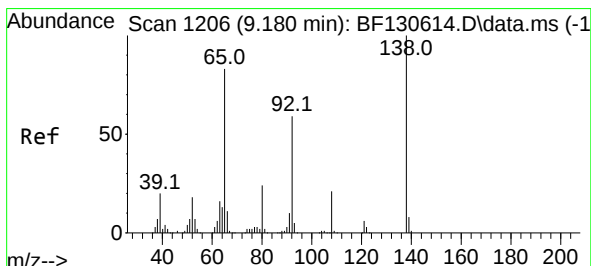
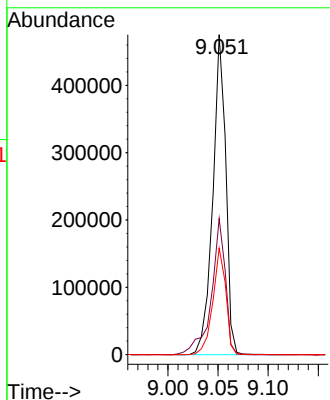
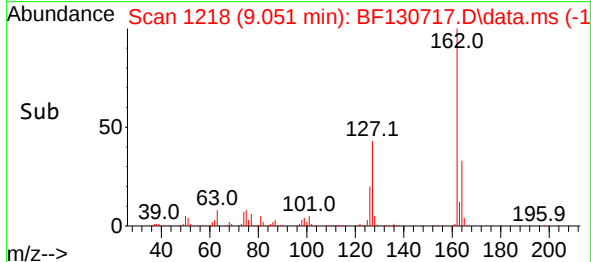
Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013MS



Tgt Ion:162 Resp: 427863
Ion Ratio Lower Upper
162 100
127 42.5 32.6 49.0
164 33.3 26.3 39.5

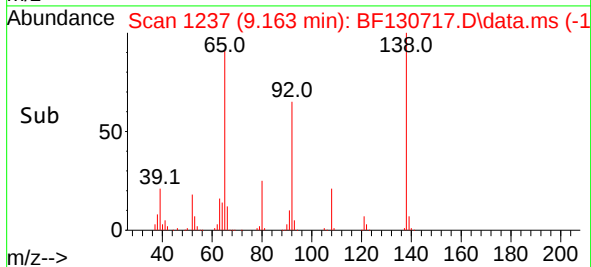
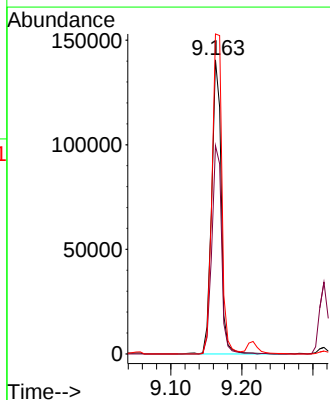
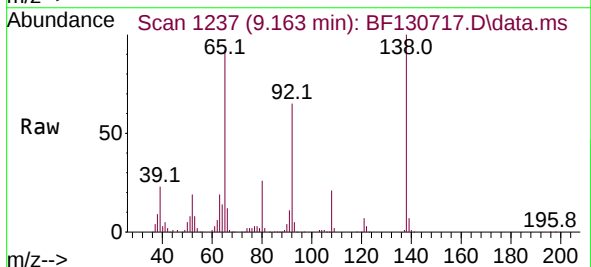
Manual Integrations
APPROVED

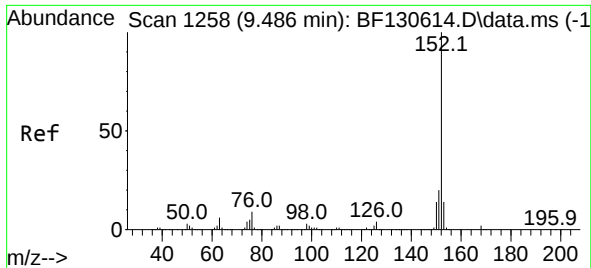
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#48
2-Nitroaniline
Concen: 42.583 ng
RT: 9.163 min Scan# 1237
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

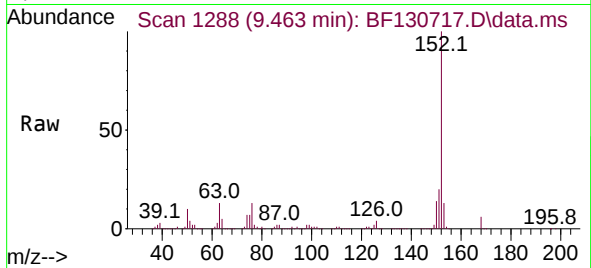
Tgt Ion: 65 Resp: 130319
Ion Ratio Lower Upper
65 100
92 70.8 57.4 86.0
138 108.8 96.7 145.1





#49
Acenaphthylene
Concen: 42.603 ng
RT: 9.463 min Scan# 1288
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

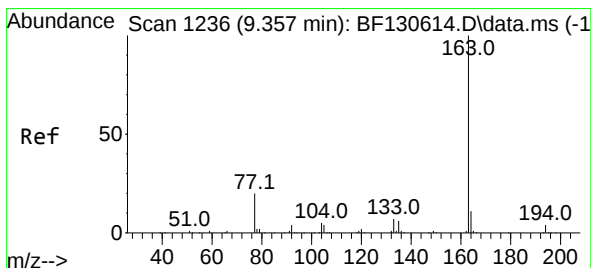
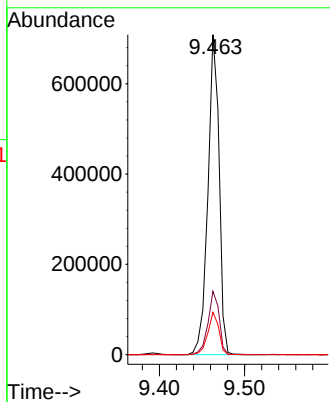
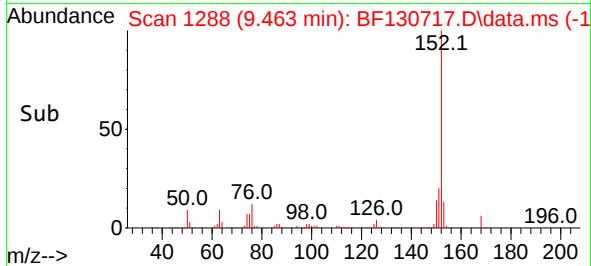
Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013MS



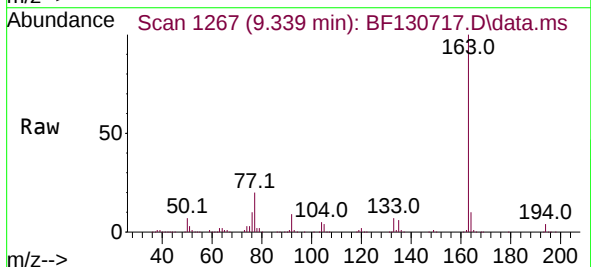
Tgt Ion:152 Resp: 648958
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.2
153 13.2 10.8 16.2

Manual Integrations
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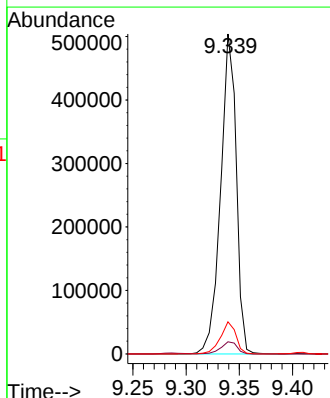
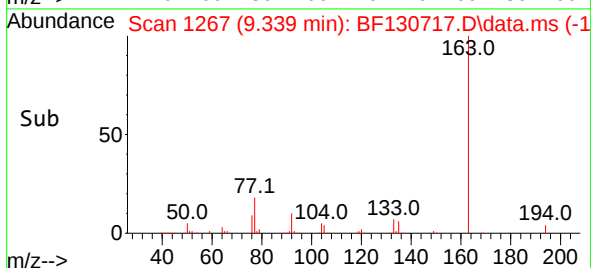
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022

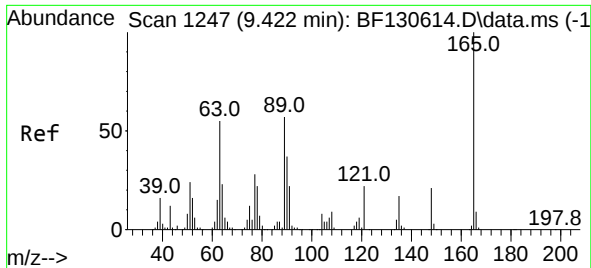


#50
Dimethylphthalate
Concen: 43.432 ng
RT: 9.339 min Scan# 1267
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29



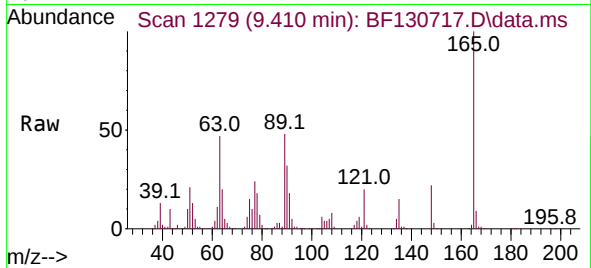
Tgt Ion:163 Resp: 516034
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.6
164 10.0 8.5 12.7





#51
2,6-Dinitrotoluene
Concen: 44.634 ng
RT: 9.410 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

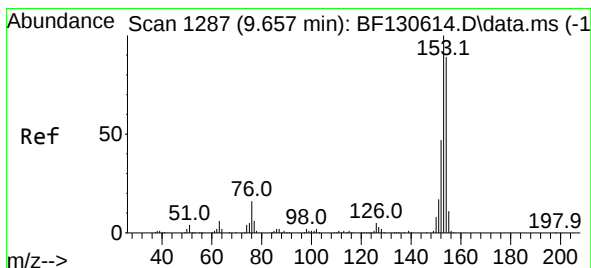
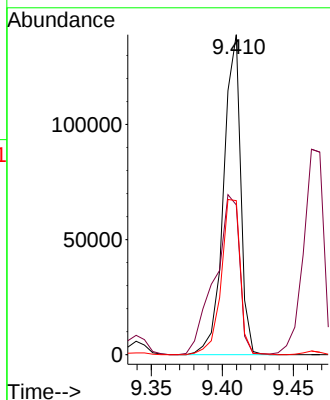
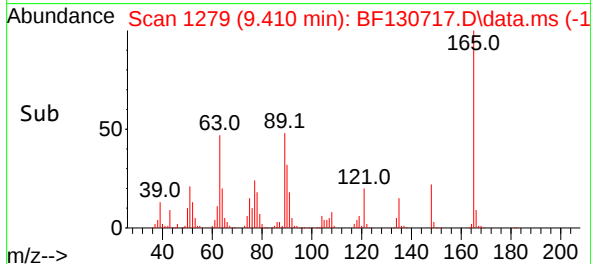
Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013MS



Tgt Ion:165 Resp: 116328
Ion Ratio Lower Upper
165 100
63 46.8 45.3 67.9
89 48.1 45.6 68.4

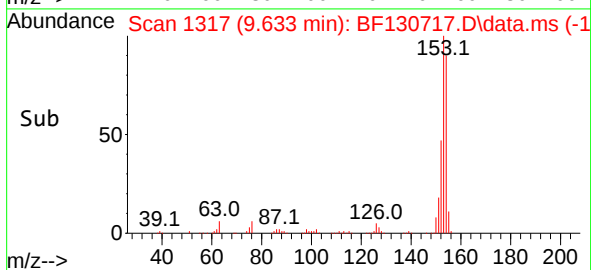
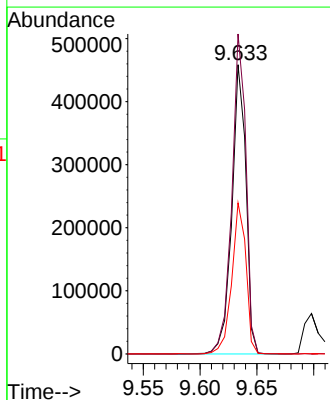
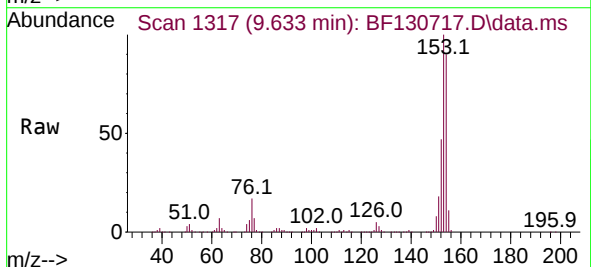
Manual Integrations
APPROVED

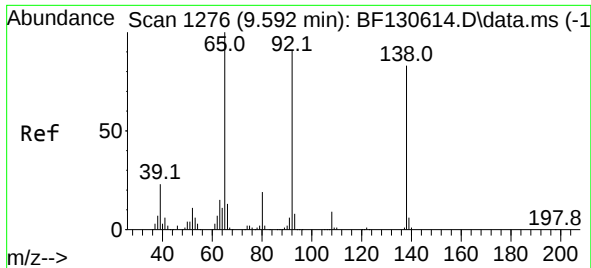
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#52
Acenaphthene
Concen: 42.874 ng
RT: 9.633 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

Tgt Ion:154 Resp: 395682
Ion Ratio Lower Upper
154 100
153 110.6 89.6 134.4
152 52.2 42.4 63.6





#53
3-Nitroaniline
Concen: 30.443 ng
RT: 9.580 min Scan# 1308
Delta R.T. -0.000 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

Instrument :

BNA_F

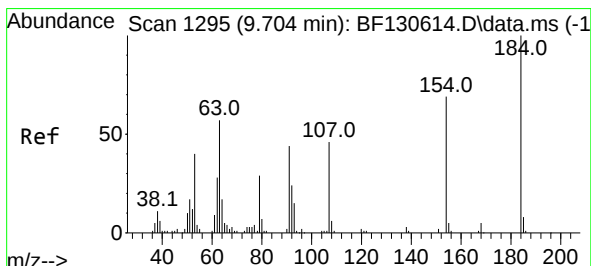
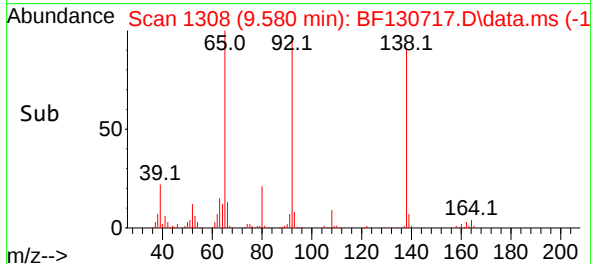
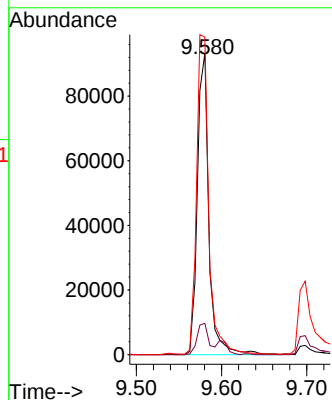
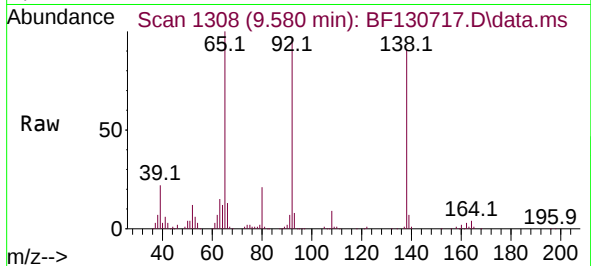
ClientSampleId :

HAS-SOIL-1013MS

Tgt Ion:138 Resp: 8697
Ion Ratio Lower Upper
138 100
108 10.4 8.4 12.6
92 105.4 88.2 132.4

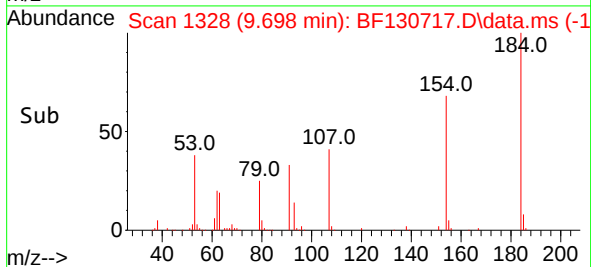
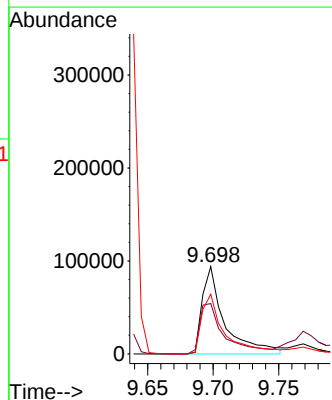
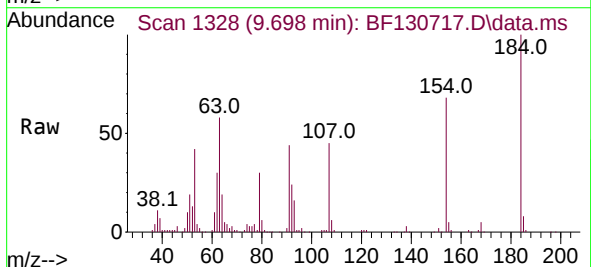
Manual Integrations
APPROVED

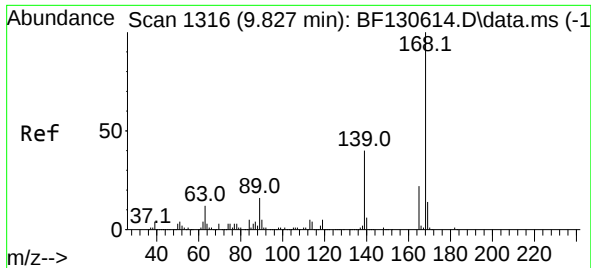
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#54
2,4-Dinitrophenol
Concen: 83.759 ng
RT: 9.698 min Scan# 1328
Delta R.T. -0.000 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

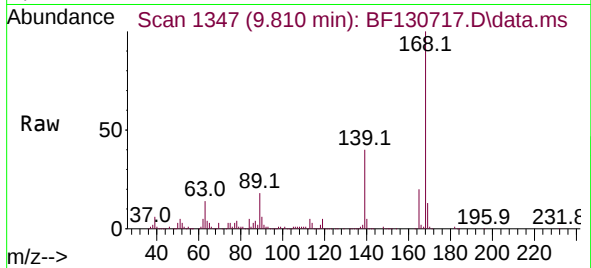
Tgt Ion:184 Resp: 111569
Ion Ratio Lower Upper
184 100
63 57.7 45.5 68.3
154 68.3 55.1 82.7





#55
Dibenzofuran
Concen: 42.939 ng
RT: 9.810 min Scan# 1316
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

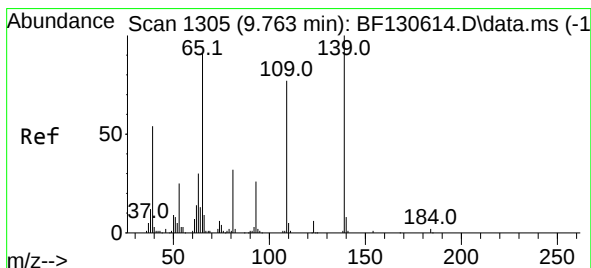
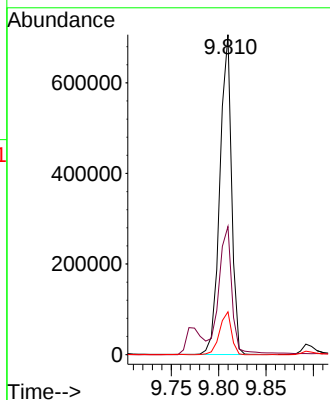
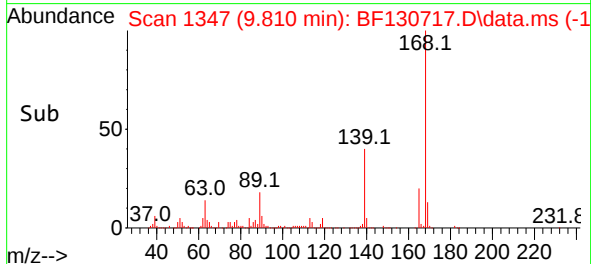
Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013MS



Tgt Ion:168 Resp: 603684
Ion Ratio Lower Upper
168 100
139 40.0 33.0 49.4
169 13.4 10.9 16.3

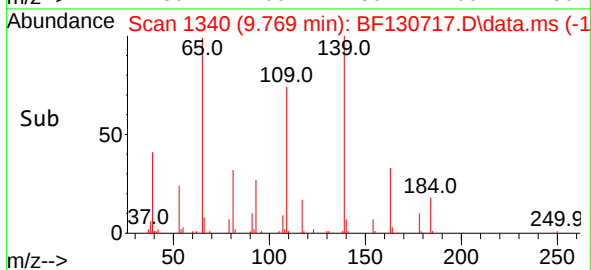
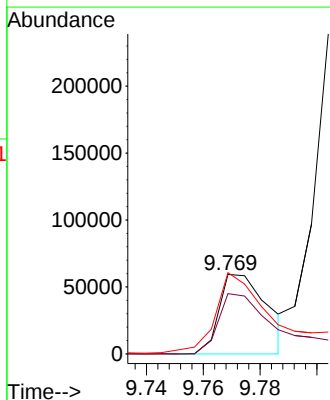
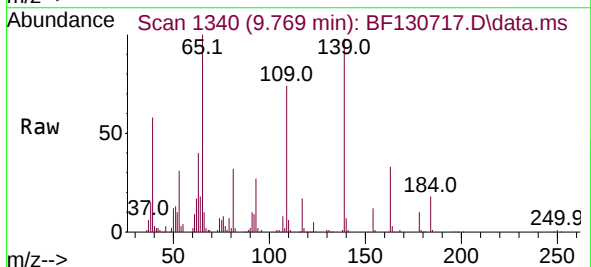
Manual Integrations
APPROVED

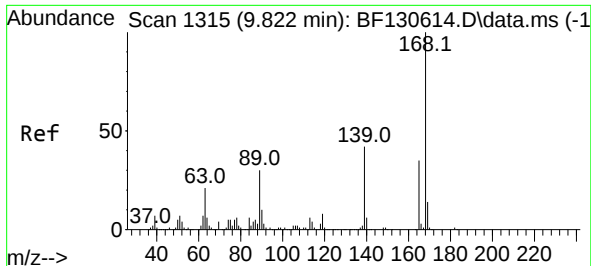
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#56
4-Nitrophenol
Concen: 44.460 ng
RT: 9.769 min Scan# 1340
Delta R.T. 0.012 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

Tgt Ion:139 Resp: 70034
Ion Ratio Lower Upper
139 100
109 75.8 57.4 97.4
65 102.1 71.3 111.3





#57

2,4-Dinitrotoluene

Concen: 45.877 ng

RT: 9.816 min Scan# 1315

Delta R.T. -0.000 min

Lab File: BF130717.D

Acq: 19 Oct 2022 18:29

Instrument :

BNA_F

ClientSampleId :

HAS-SOIL-1013MS

Tgt Ion:165 Resp: 153668

Ion Ratio Lower Upper

165 100

63 40.8 50.6 76.0

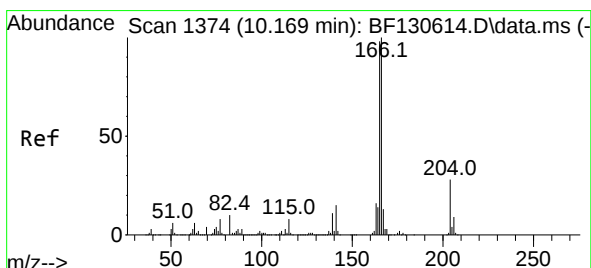
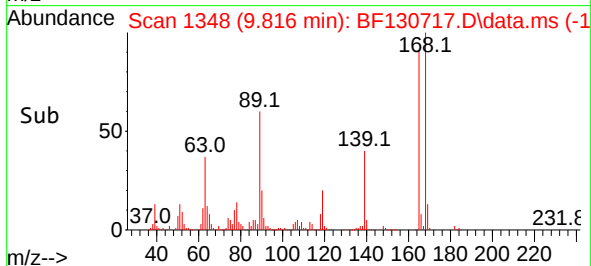
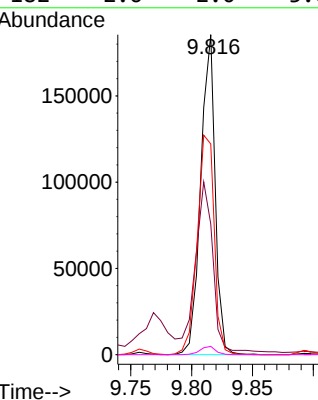
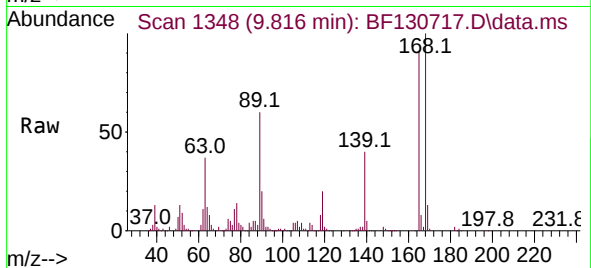
89 65.8 68.6 102.8

182 2.6 2.0 3.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#58

Fluorene

Concen: 42.869 ng

RT: 10.151 min Scan# 1405

Delta R.T. -0.006 min

Lab File: BF130717.D

Acq: 19 Oct 2022 18:29

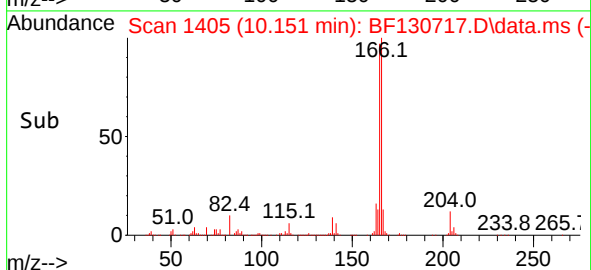
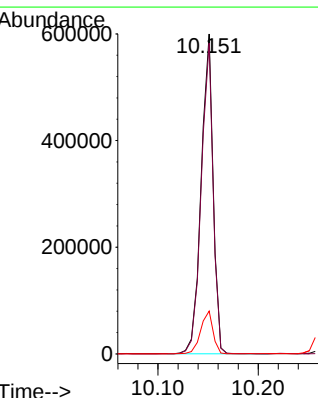
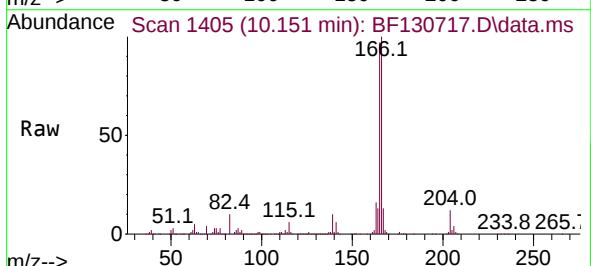
Tgt Ion:166 Resp: 495504

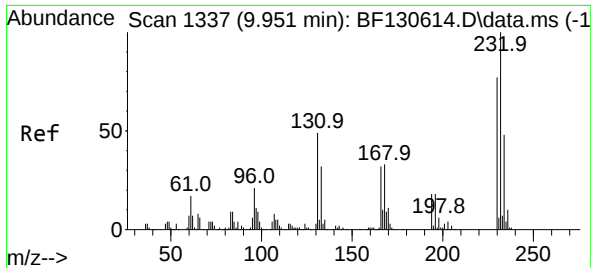
Ion Ratio Lower Upper

166 100

165 97.1 78.2 117.4

167 13.4 10.8 16.2





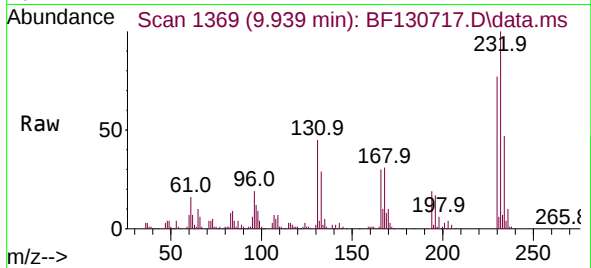
#59
2,3,4,6-Tetrachlorophenol
Concen: 43.557 ng
RT: 9.939 min Scan# 1337
Delta R.T. -0.000 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

Instrument :

BNA_F

ClientSampleId :

HAS-SOIL-1013MS

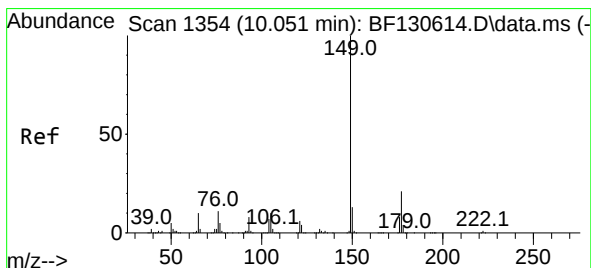
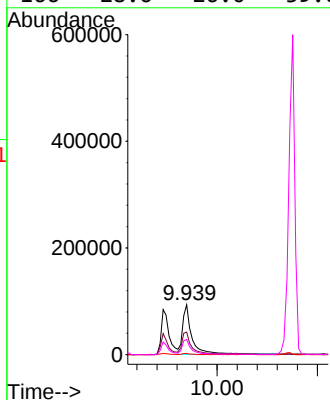
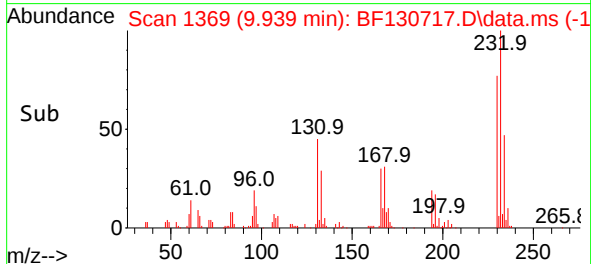


Tgt Ion:232 Resp: 119406
Ion Ratio Lower Upper
232 100
131 47.3 41.4 62.0
130 2.4 2.1 3.1
166 28.6 26.0 39.0

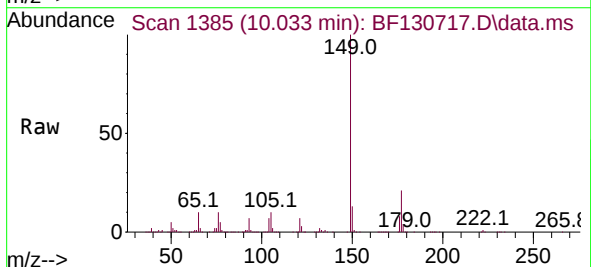
Manual Integrations

APPROVED

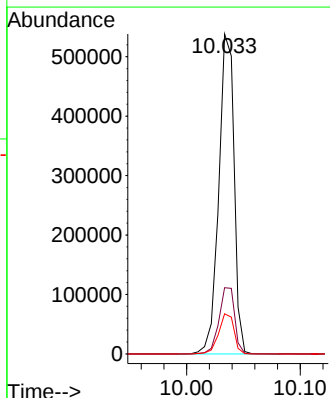
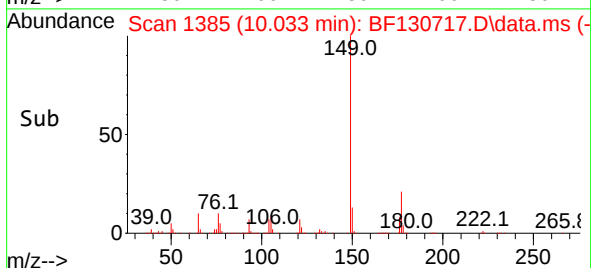
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022

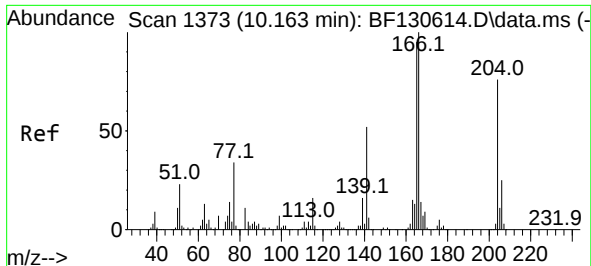


#60
Diethylphthalate
Concen: 42.467 ng
RT: 10.033 min Scan# 1385
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29



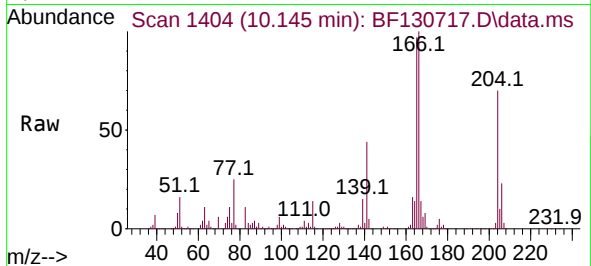
Tgt Ion:149 Resp: 503427
Ion Ratio Lower Upper
149 100
177 20.7 16.7 25.1
150 12.5 10.5 15.7





#61
4-Chlorophenyl-phenylether
Concen: 43.475 ng
RT: 10.145 min Scan# 1413
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

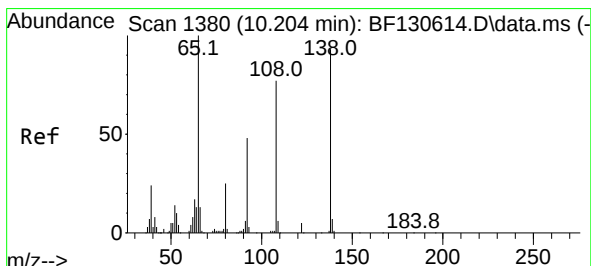
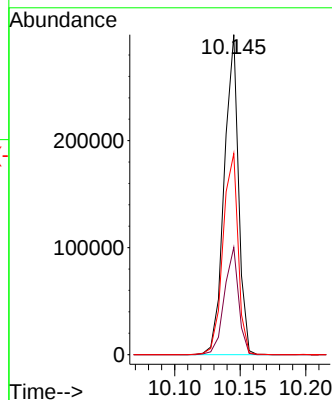
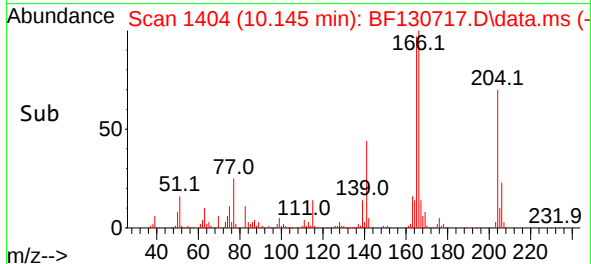
Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013MS



Tgt Ion:204 Resp: 227185
Ion Ratio Lower Upper
204 100
206 33.5 26.1 39.1
141 62.8 54.6 81.8

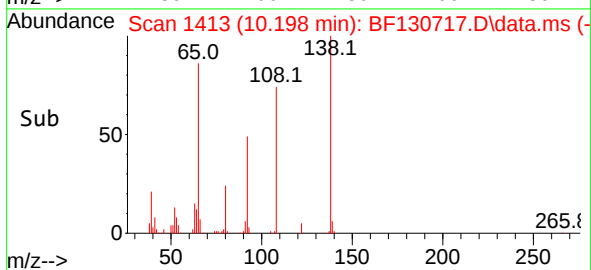
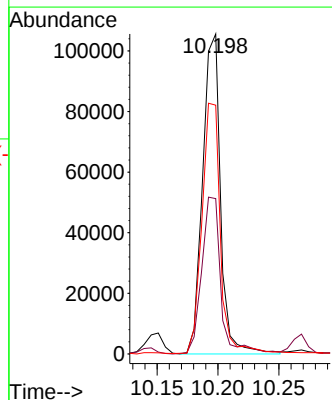
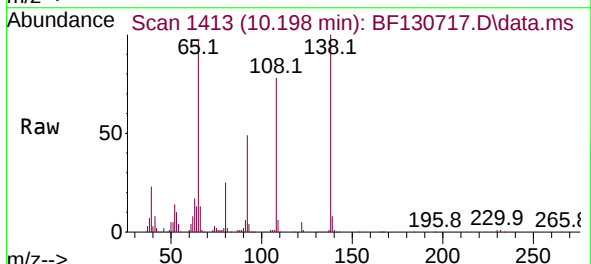
Manual Integrations
APPROVED

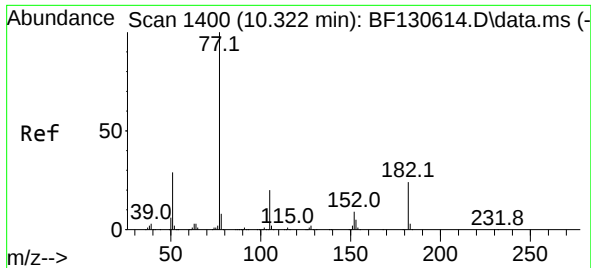
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#62
4-Nitroaniline
Concen: 39.643 ng
RT: 10.198 min Scan# 1413
Delta R.T. 0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

Tgt Ion:138 Resp: 108131
Ion Ratio Lower Upper
138 100
92 48.5 31.1 71.1
108 77.7 62.1 102.1





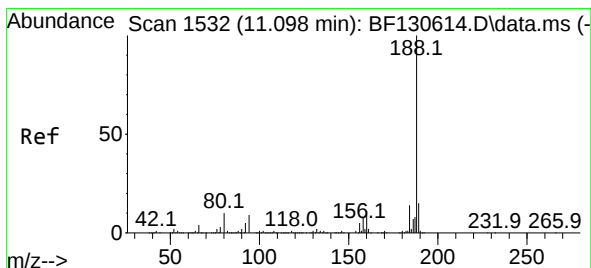
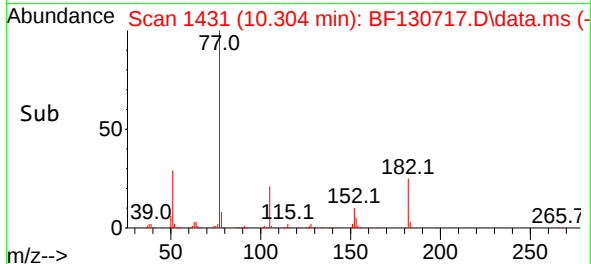
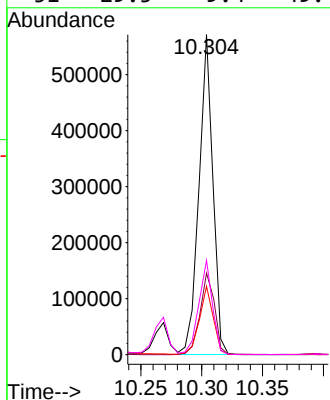
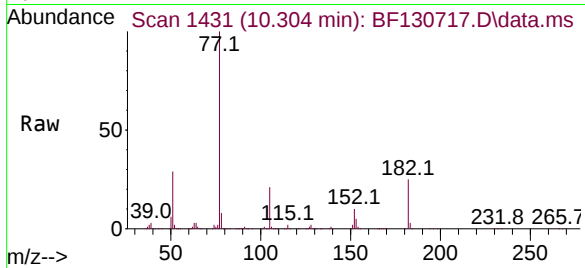
#63
Azobenzene
Concen: 40.567 ng
RT: 10.304 min Scan# 1400
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013MS

Tgt Ion: 77 Resp: 452946
Ion Ratio Lower Upper
77 100
182 25.5 3.8 43.8
105 21.4 0.3 40.3
51 29.5 9.4 49.4

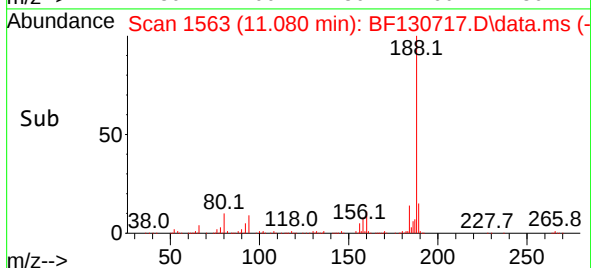
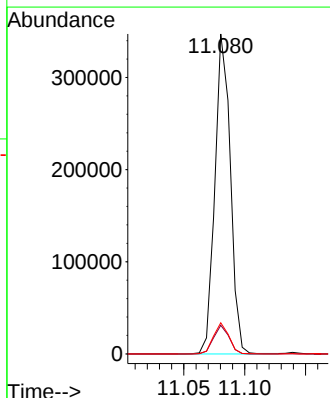
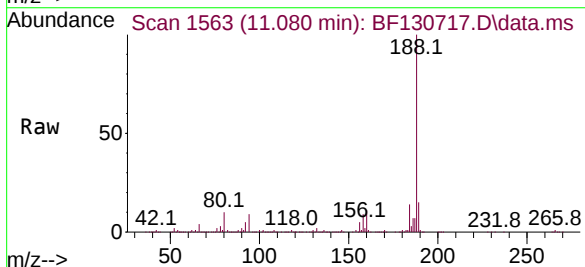
Manual Integrations
APPROVED

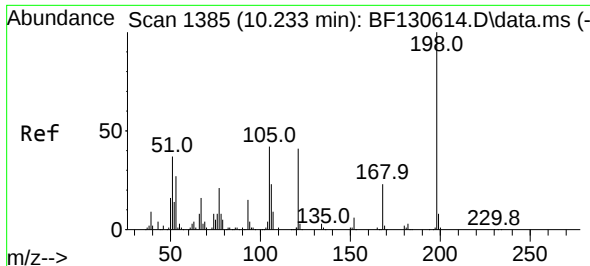
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.080 min Scan# 1563
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

Tgt Ion:188 Resp: 306325
Ion Ratio Lower Upper
188 100
94 8.9 7.4 11.2
80 9.7 8.0 12.0





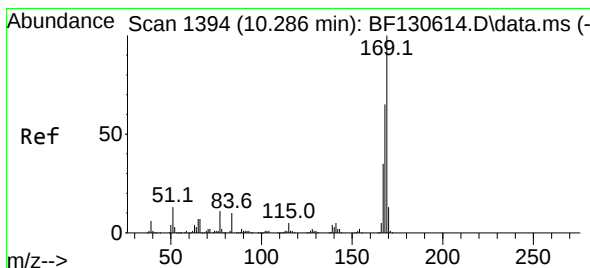
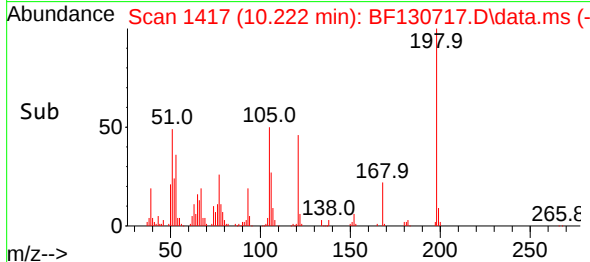
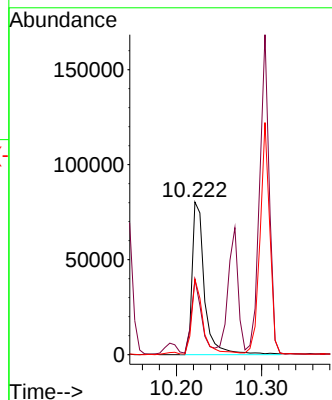
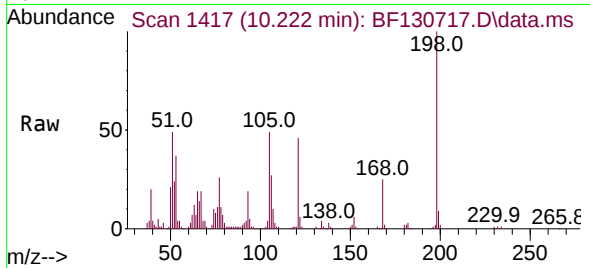
#65
4,6-Dinitro-2-methylphenol
Concen: 42.208 ng
RT: 10.222 min Scan# 1417
Delta R.T. -0.000 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013MS

Tgt Ion:198 Resp: 80798
Ion Ratio Lower Upper
198 100
51 49.3 18.7 58.7
105 49.3 22.0 62.0

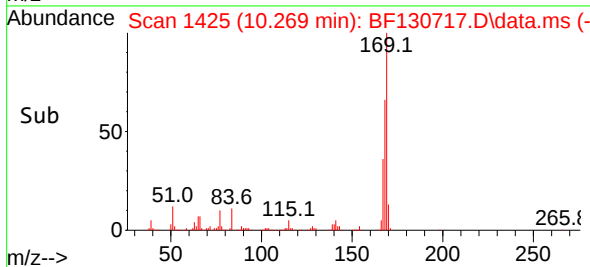
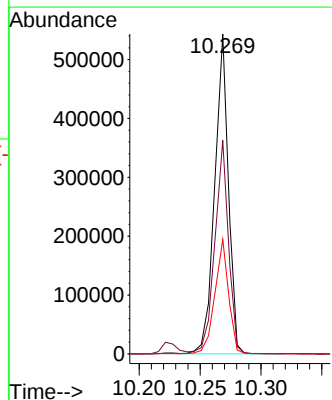
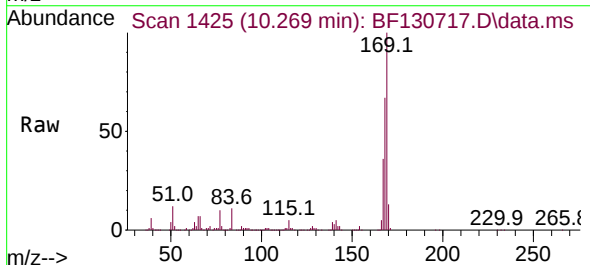
Manual Integrations
APPROVED

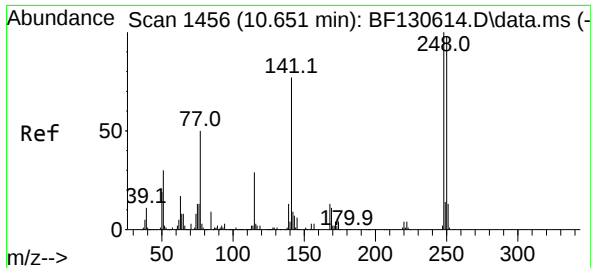
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#66
n-Nitrosodiphenylamine
Concen: 41.875 ng
RT: 10.269 min Scan# 1425
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

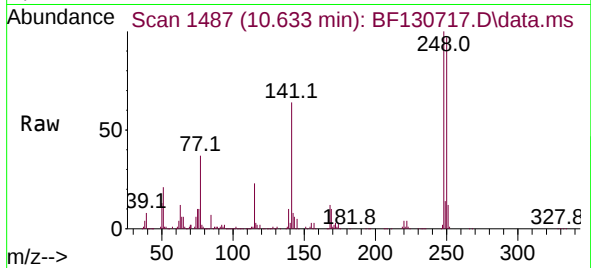
Tgt Ion:169 Resp: 426685
Ion Ratio Lower Upper
169 100
168 66.7 52.2 78.4
167 35.8 28.3 42.5





#67
4-Bromophenyl-phenylether
Concen: 44.469 ng
RT: 10.633 min Scan# 1496
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

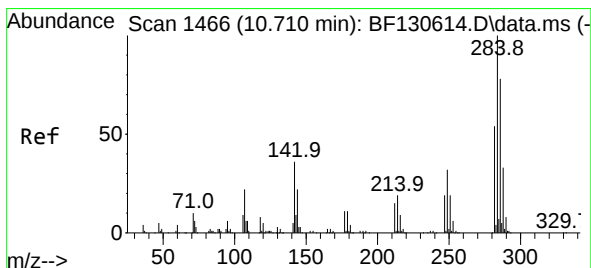
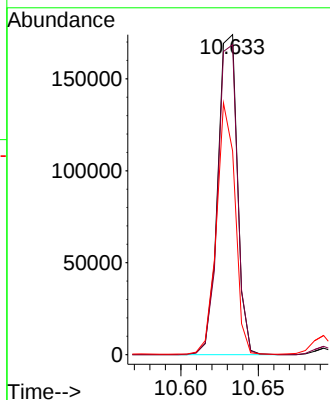
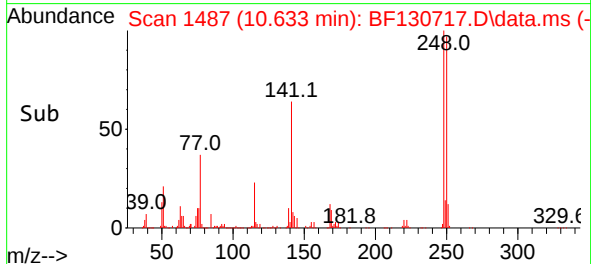
Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013MS



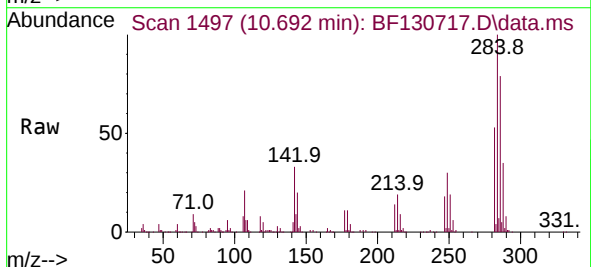
Tgt Ion:248 Resp: 154130
Ion Ratio Lower Upper
248 100
250 96.8 78.7 118.1
141 63.6 61.6 92.4

Manual Integrations
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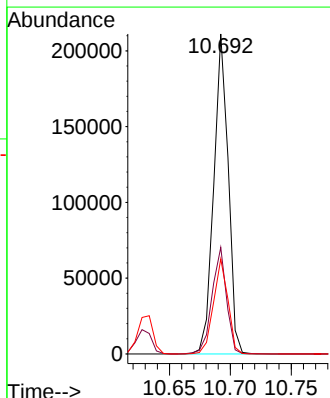
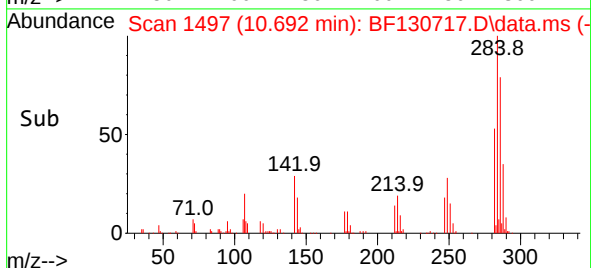
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022

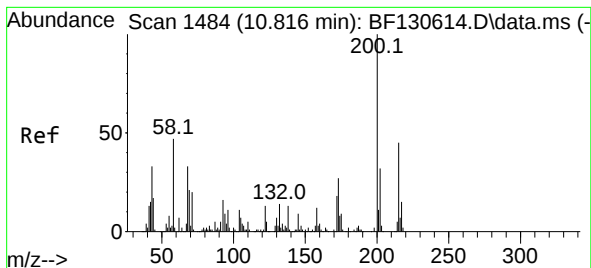


#68
Hexachlorobenzene
Concen: 44.558 ng
RT: 10.692 min Scan# 1497
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29



Tgt Ion:284 Resp: 174585
Ion Ratio Lower Upper
284 100
142 33.3 28.6 42.8
249 29.7 25.2 37.8





#69

Atrazine

Concen: 50.503 ng

RT: 10.804 min Scan# 140130

Delta R.T. -0.000 min

Lab File: BF130717.D

Acq: 19 Oct 2022 18:29

Instrument :

BNA_F

ClientSampleId :

HAS-SOIL-1013MS

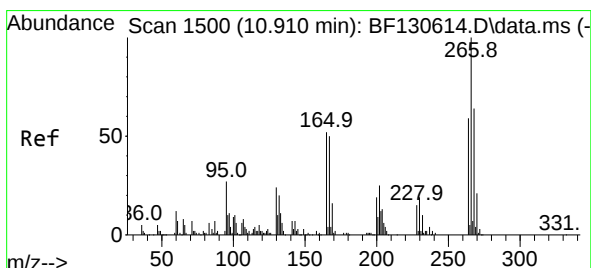
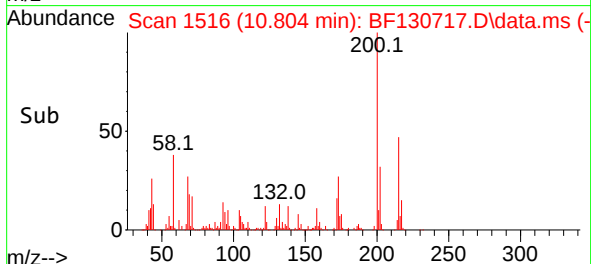
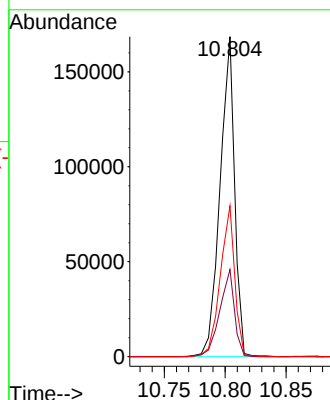
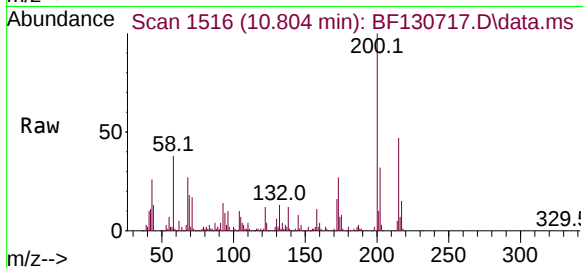
Tgt Ion:200 Resp: 140130

Ion	Ratio	Lower	Upper
200	100		
173	27.2	7.1	47.1
215	47.1	24.9	64.9

Manual Integrations

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Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#70

Pentachlorophenol

Concen: 76.889 ng

RT: 10.904 min Scan# 1533

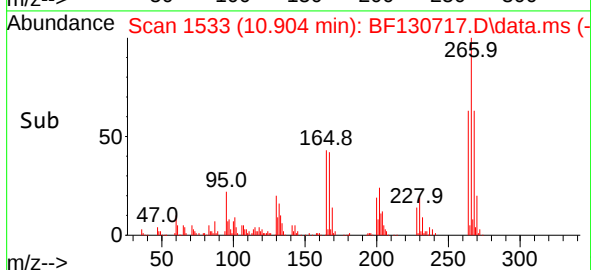
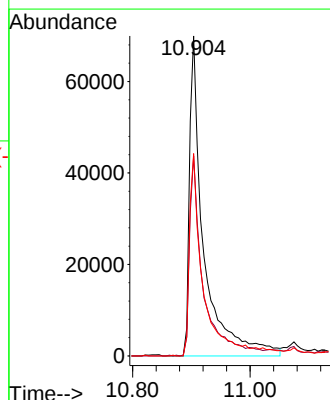
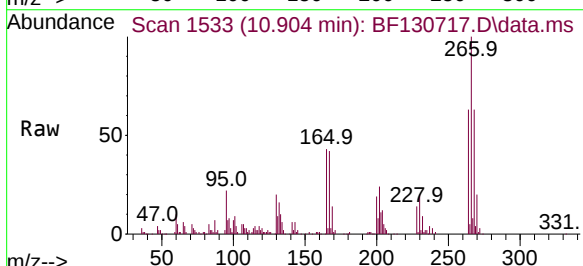
Delta R.T. -0.000 min

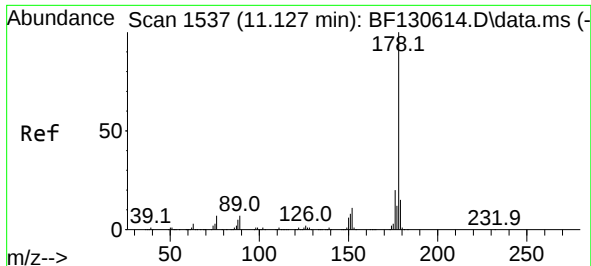
Lab File: BF130717.D

Acq: 19 Oct 2022 18:29

Tgt Ion:266 Resp: 117250

Ion	Ratio	Lower	Upper
266	100		
268	62.5	50.8	76.2
264	63.2	47.5	71.3





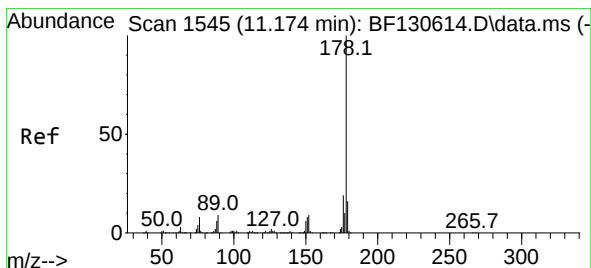
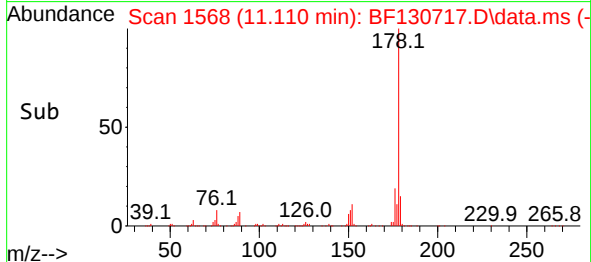
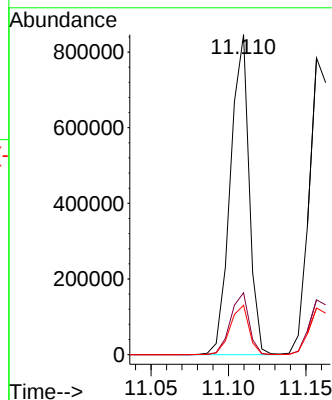
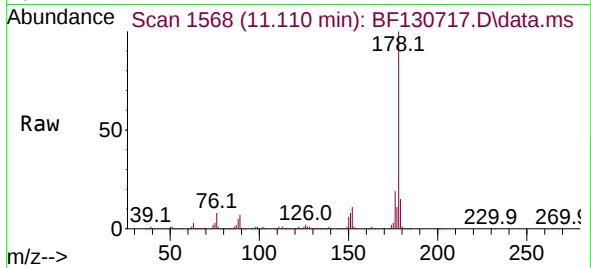
#71
Phenanthrene
Concen: 41.883 ng
RT: 11.110 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013MS

Tgt Ion:178 Resp: 710814
Ion Ratio Lower Upper
178 100
176 19.3 15.7 23.5
179 15.4 12.2 18.4

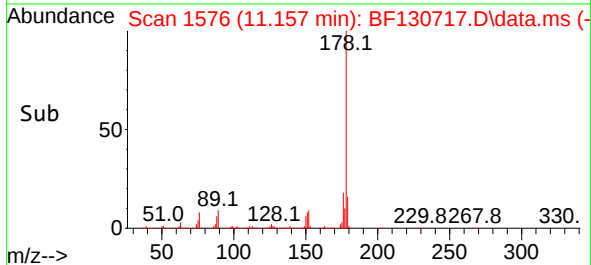
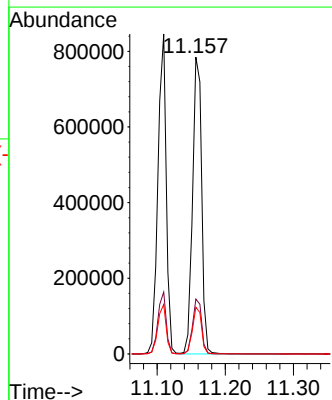
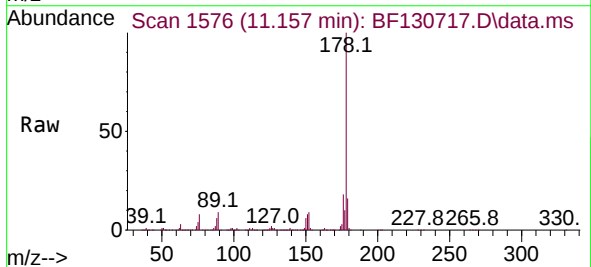
Manual Integrations
APPROVED

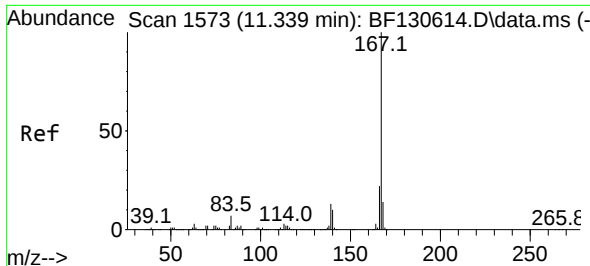
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#72
Anthracene
Concen: 43.972 ng
RT: 11.157 min Scan# 1576
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

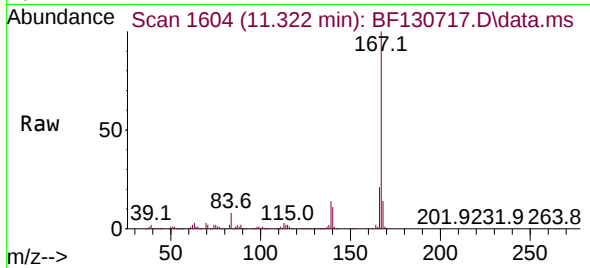
Tgt Ion:178 Resp: 728844
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.4
179 15.7 12.5 18.7





#73
Carbazole
Concen: 44.503 ng
RT: 11.322 min Scan# 1604
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

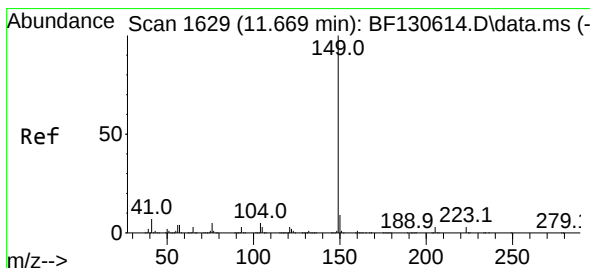
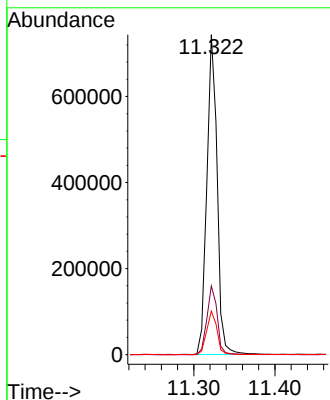
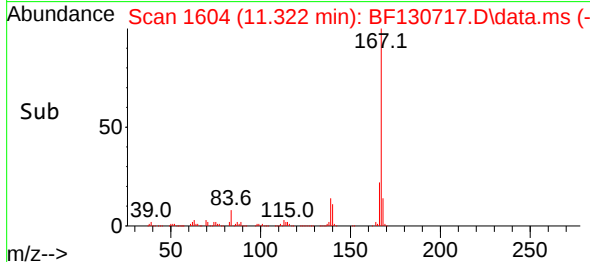
Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013MS



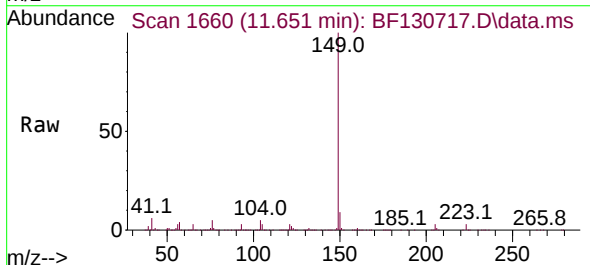
Tgt Ion:167 Resp: 658206
Ion Ratio Lower Upper
167 100
166 21.5 17.3 25.9
139 13.6 10.7 16.1

Manual Integrations
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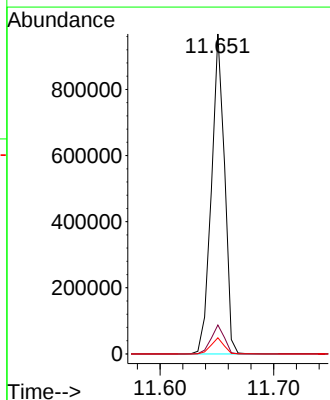
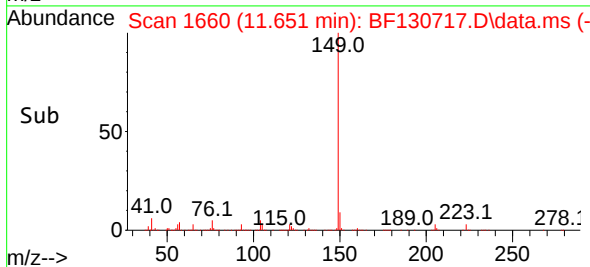
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022

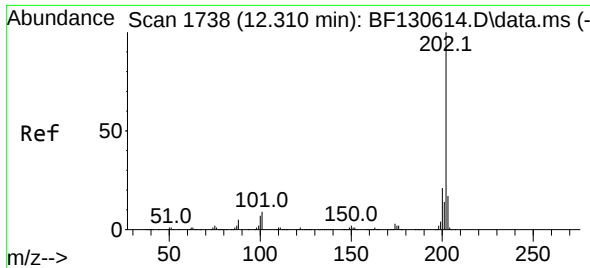


#74
Di-n-butylphthalate
Concen: 43.368 ng
RT: 11.651 min Scan# 1660
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29



Tgt Ion:149 Resp: 776983
Ion Ratio Lower Upper
149 100
150 9.0 7.5 11.3
104 5.0 4.2 6.2





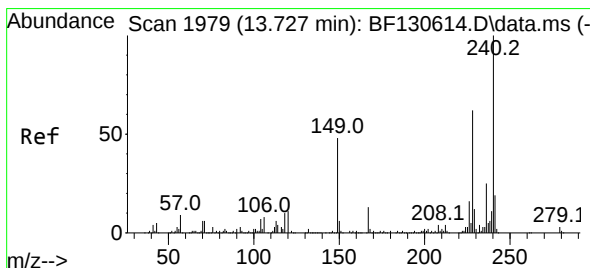
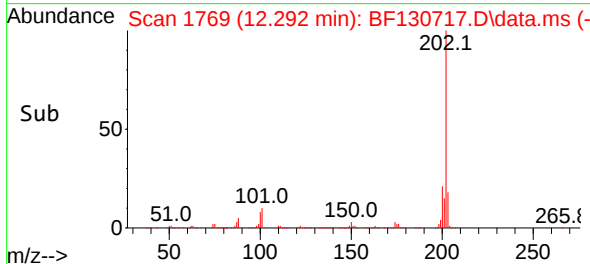
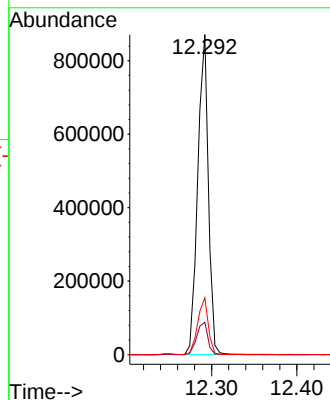
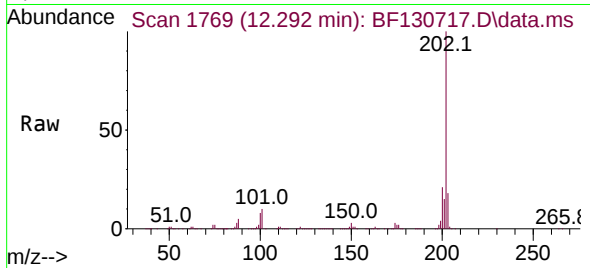
#75
Fluoranthene
Concen: 46.104 ng
RT: 12.292 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013MS

Tgt Ion:202 Resp: 75202
Ion Ratio Lower Upper
202 100
101 10.1 0.0 29.1
203 17.7 0.0 37.3

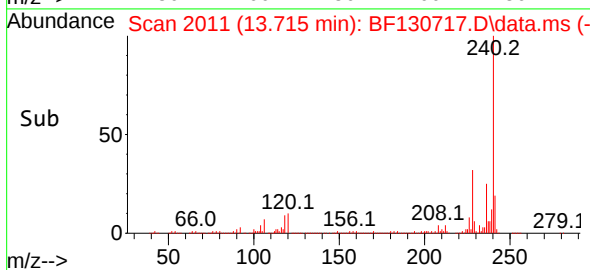
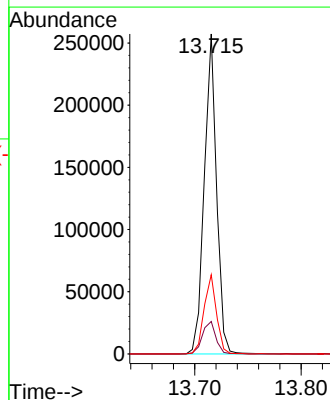
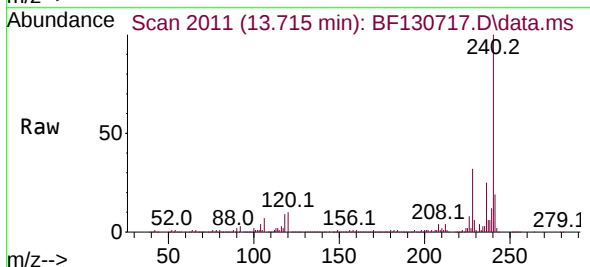
Manual Integrations
APPROVED

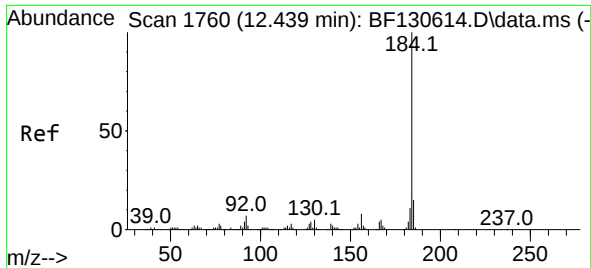
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.715 min Scan# 2011
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

Tgt Ion:240 Resp: 205276
Ion Ratio Lower Upper
240 100
120 10.1 8.6 13.0
236 24.7 20.2 30.4





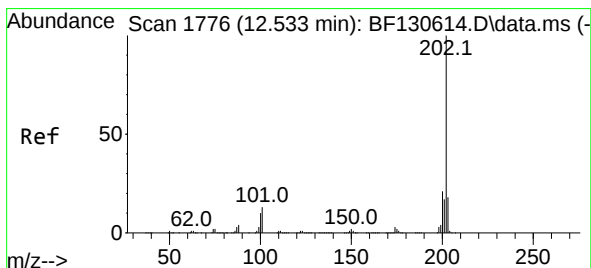
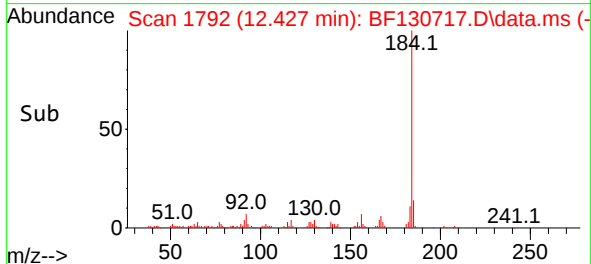
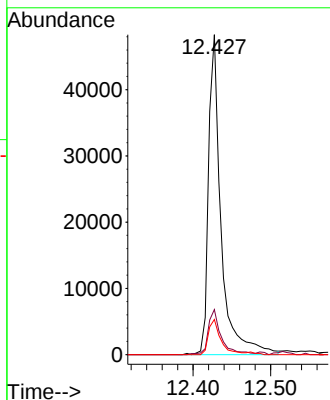
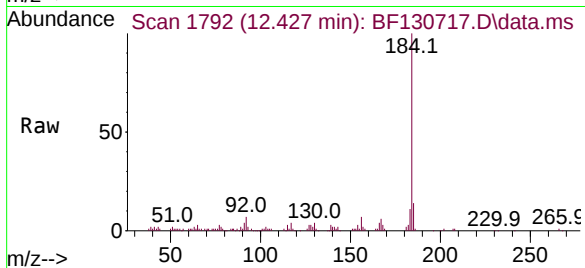
#77
Benzidine
Concen: 10.465 ng
RT: 12.427 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013MS

Tgt Ion:184 Resp: 5429
Ion Ratio Lower Upper
184 100
185 14.1 12.0 18.0
183 11.0 9.0 13.4

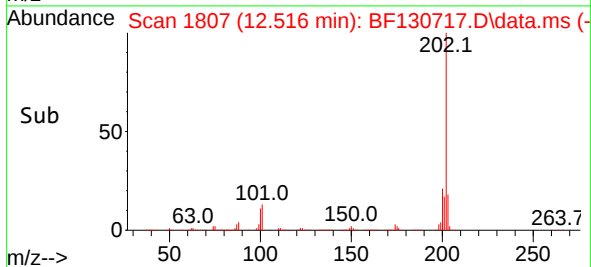
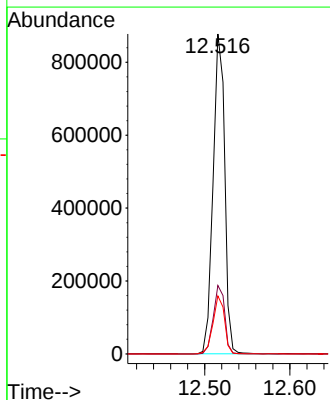
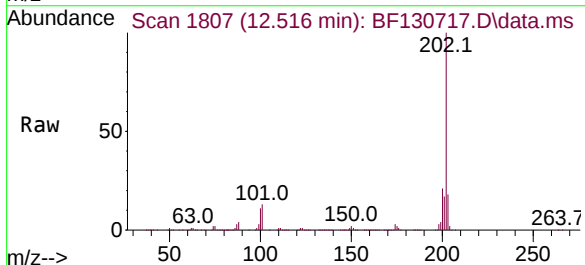
Manual Integrations
APPROVED

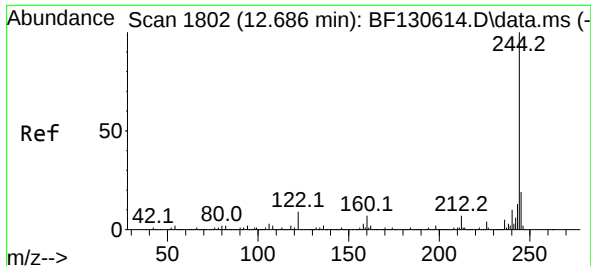
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#78
Pyrene
Concen: 46.793 ng
RT: 12.516 min Scan# 1807
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

Tgt Ion:202 Resp: 828672
Ion Ratio Lower Upper
202 100
200 21.4 16.7 25.1
203 18.1 14.0 21.0





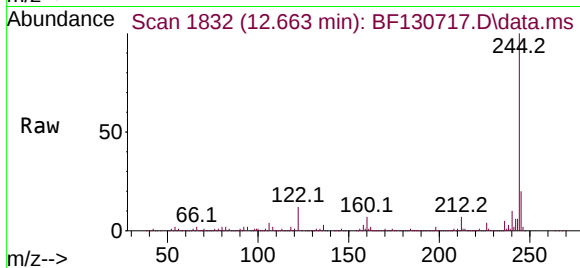
#79
 Terphenyl-d14
 Concen: 82.689 ng
 RT: 12.663 min Scan# 1802
 Delta R.T. -0.012 min
 Lab File: BF130717.D
 Acq: 19 Oct 2022 18:29

Instrument :

BNA_F

ClientSampleId :

HAS-SOIL-1013MS

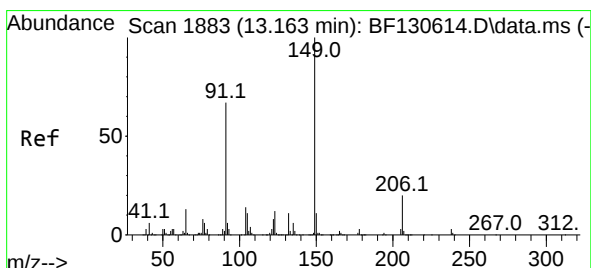
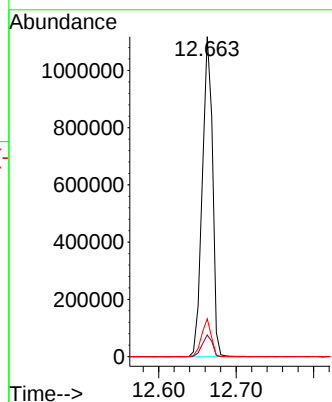
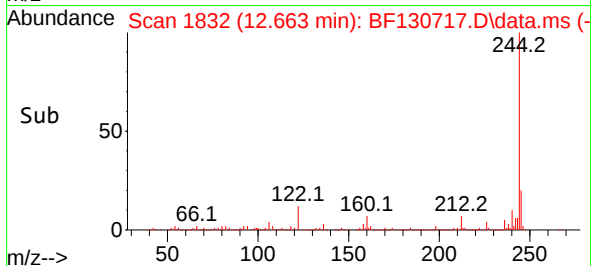


Tgt Ion:244 Resp: 1022698
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.4 8.0
 122 11.8 7.5 11.3

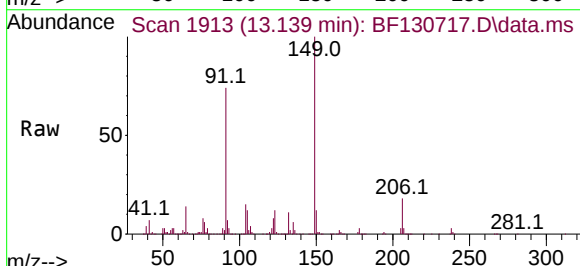
Manual Integrations

APPROVED

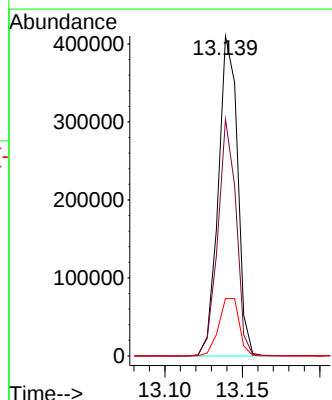
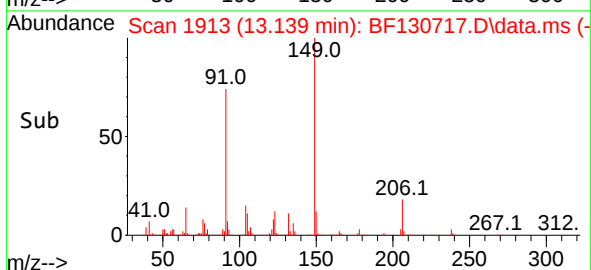
Reviewed By :Christian Giraldo 10/20/2022
 Supervised By :mohammad ahmed 10/20/2022

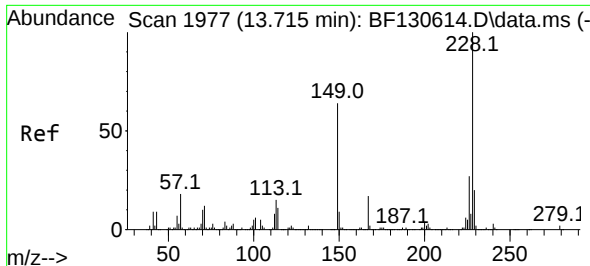


#80
 Butylbenzylphthalate
 Concen: 52.058 ng
 RT: 13.139 min Scan# 1913
 Delta R.T. -0.012 min
 Lab File: BF130717.D
 Acq: 19 Oct 2022 18:29



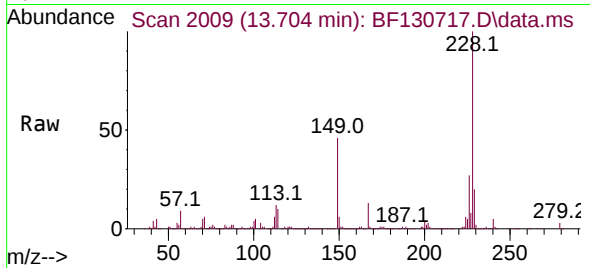
Tgt Ion:149 Resp: 354496
 Ion Ratio Lower Upper
 149 100
 91 74.0 53.8 80.8
 206 17.9 15.8 23.6





#81
Benzo(a)anthracene
Concen: 40.664 ng
RT: 13.704 min Scan# 2009
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

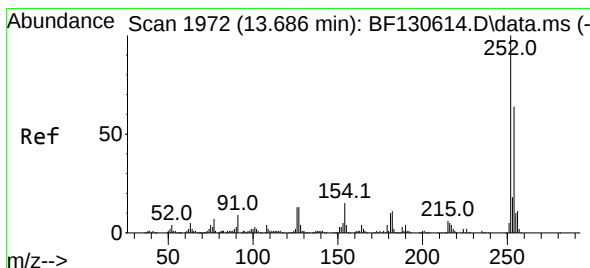
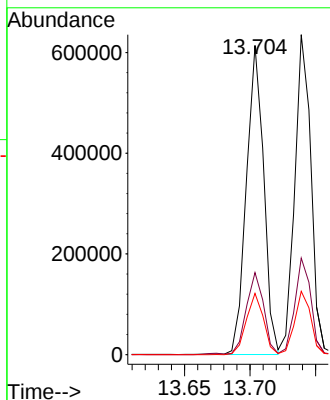
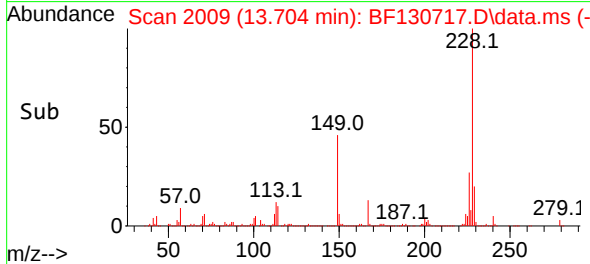
Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013MS



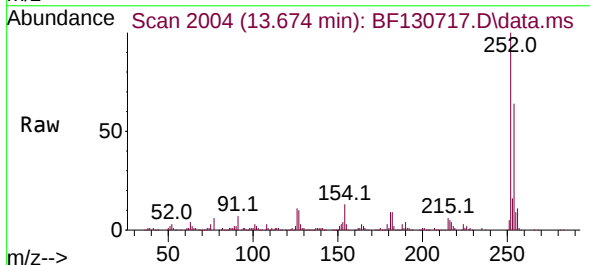
Tgt Ion:228 Resp: 562452
Ion Ratio Lower Upper
228 100
226 26.5 21.4 32.2
229 19.8 15.8 23.8

Manual Integrations
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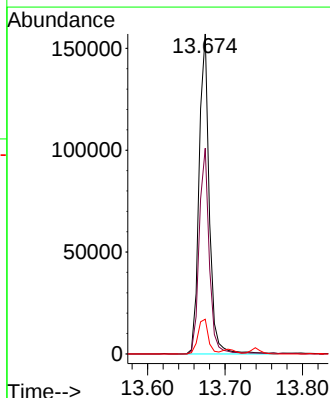
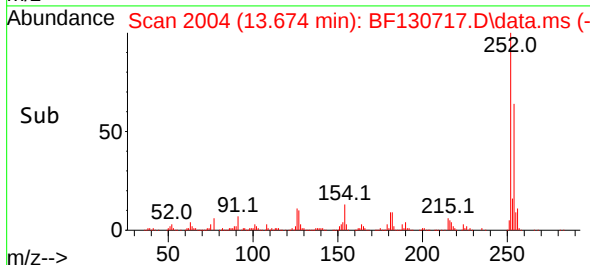
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022

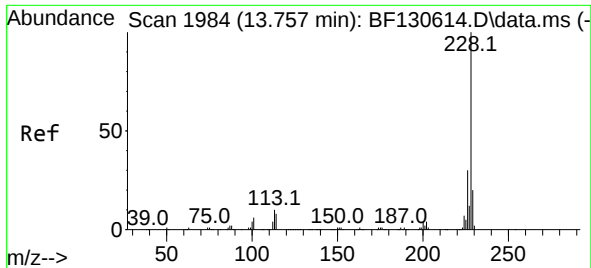


#82
3,3'-Dichlorobenzidine
Concen: 35.828 ng
RT: 13.674 min Scan# 2004
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29



Tgt Ion:252 Resp: 143204
Ion Ratio Lower Upper
252 100
254 64.3 50.9 76.3
126 10.8 10.2 15.4





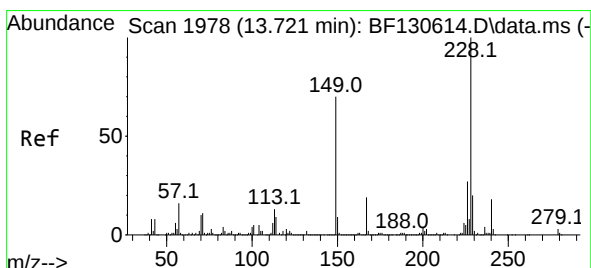
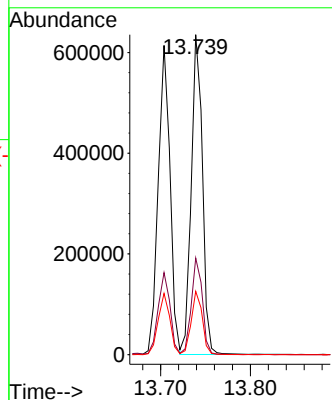
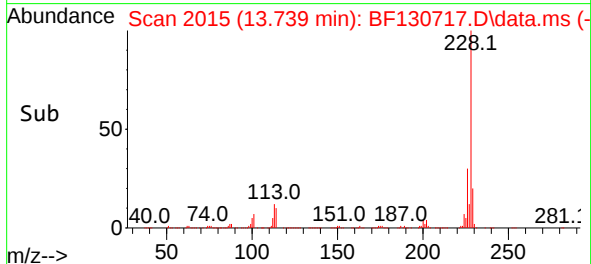
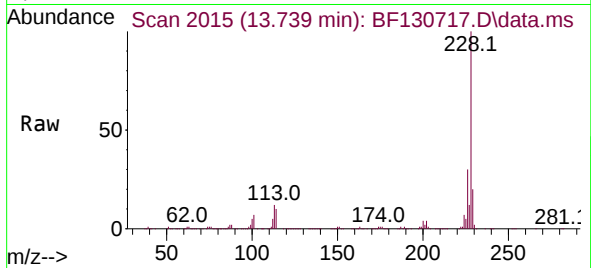
#83
Chrysene
Concen: 41.813 ng
RT: 13.739 min Scan# 2008
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013MS

Tgt Ion:228 Resp: 548344
Ion Ratio Lower Upper
228 100
226 30.2 23.9 35.9
229 19.8 15.9 23.9

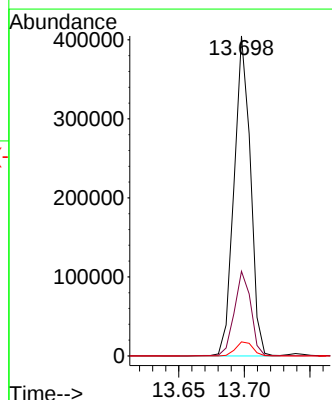
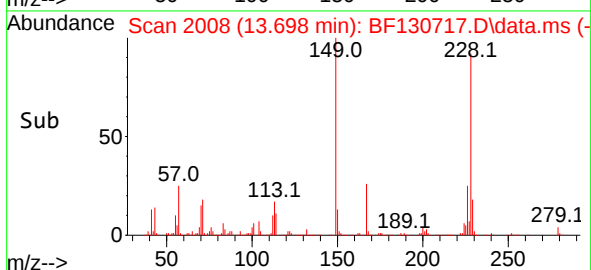
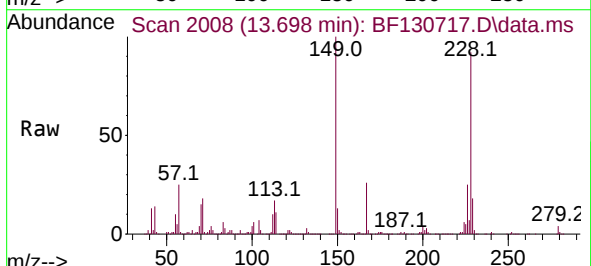
Manual Integrations
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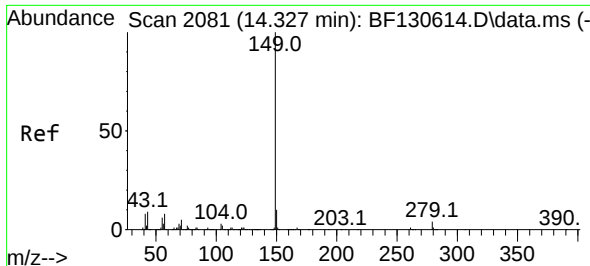
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 42.519 ng
RT: 13.698 min Scan# 2008
Delta R.T. -0.012 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

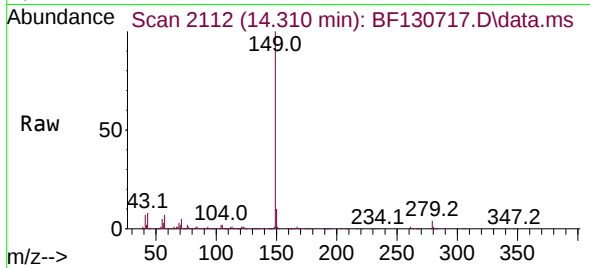
Tgt Ion:149 Resp: 351020
Ion Ratio Lower Upper
149 100
167 26.4 21.9 32.9
279 4.4 3.8 5.6





#85
Di-n-octyl phthalate
Concen: 44.528 ng
RT: 14.310 min Scan# 2112
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

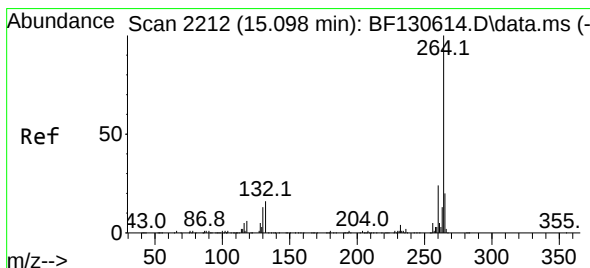
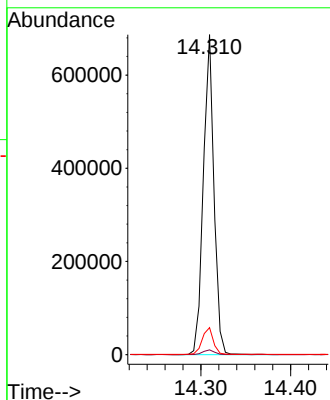
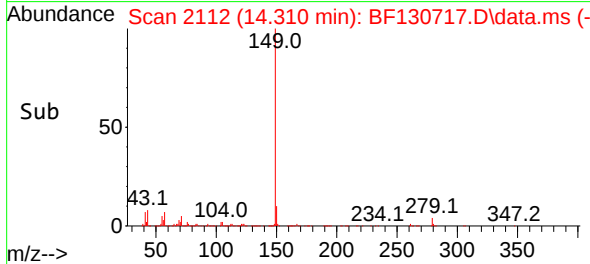
Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013MS



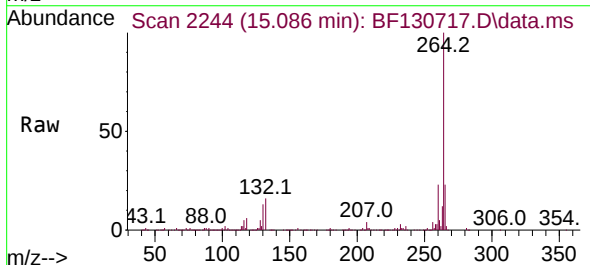
Tgt Ion:149 Resp: 562989
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 8.7 7.2 10.8

Manual Integrations
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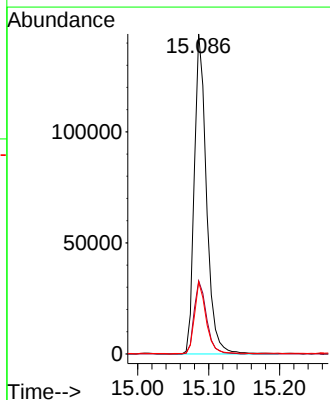
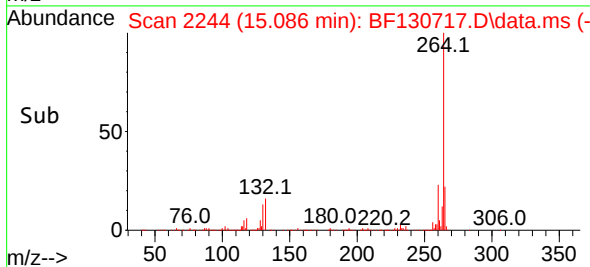
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022

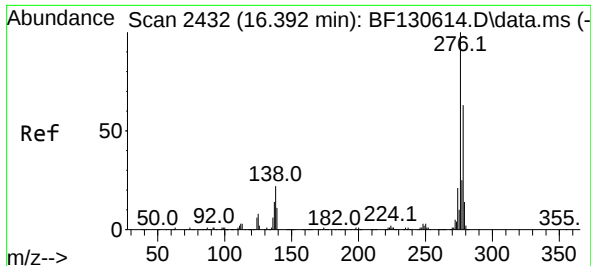


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.086 min Scan# 2244
Delta R.T. -0.000 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29



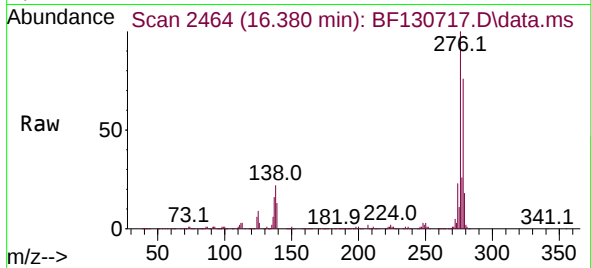
Tgt Ion:264 Resp: 170858
Ion Ratio Lower Upper
264 100
260 22.8 19.1 28.7
265 22.5 16.4 24.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 38.270 ng
RT: 16.380 min Scan# 2432
Delta R.T. -0.000 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

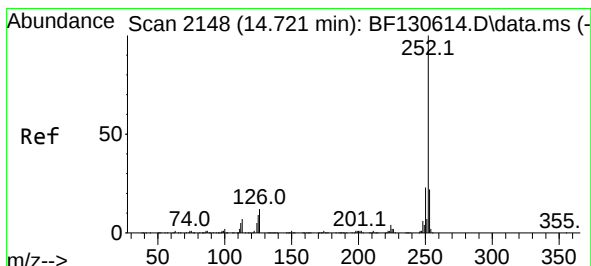
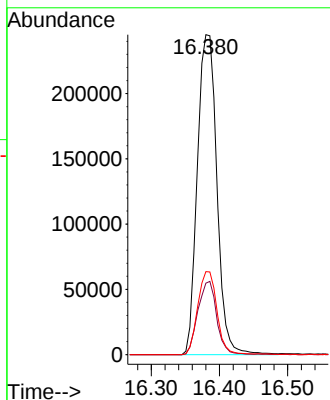
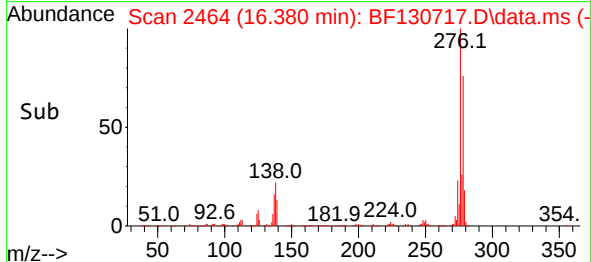
Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013MS



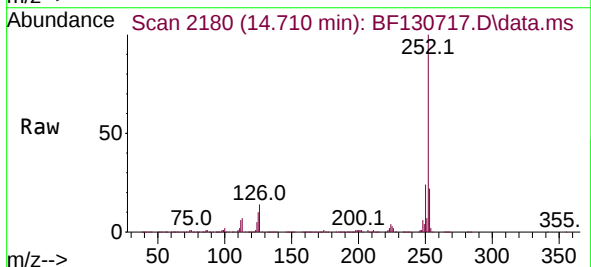
Tgt Ion: 276 Resp: 489396
Ion Ratio Lower Upper
276 100
138 22.0 18.0 27.0
277 25.3 20.0 30.0

Manual Integrations
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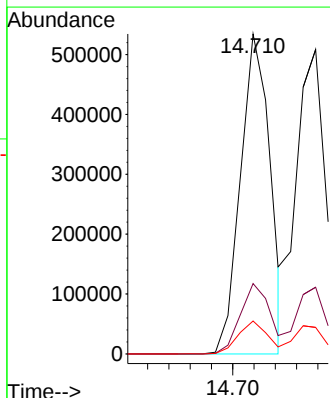
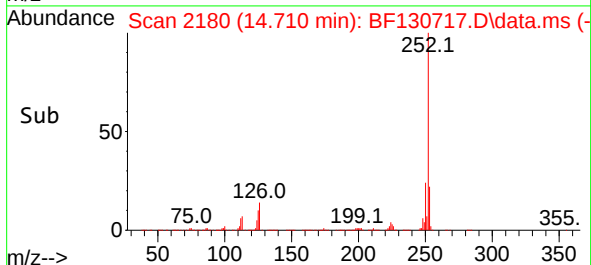
Reviewed By : Christian Giraldo 10/20/2022
Supervised By : mohammad ahmed 10/20/2022

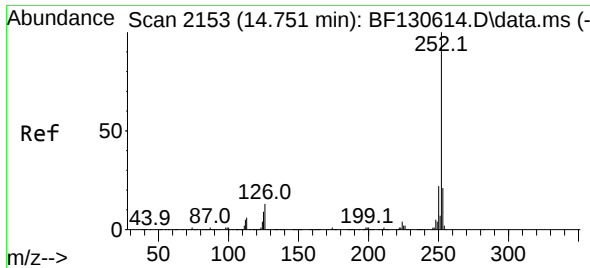


#88
Benzo(b)fluoranthene
Concen: 47.910 ng
RT: 14.710 min Scan# 2180
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29



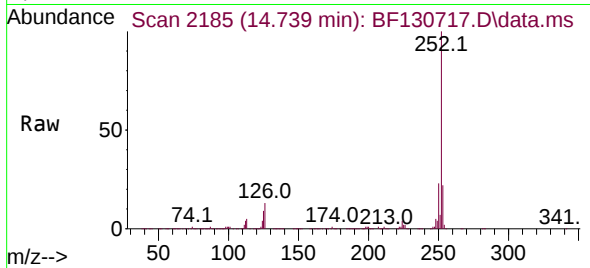
Tgt Ion: 252 Resp: 518341
Ion Ratio Lower Upper
252 100
253 22.0 17.4 26.2
125 10.3 7.4 11.0





#89
Benzo(k)fluoranthene
Concen: 45.710 ng
RT: 14.739 min Scan# 2153
Delta R.T. -0.000 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

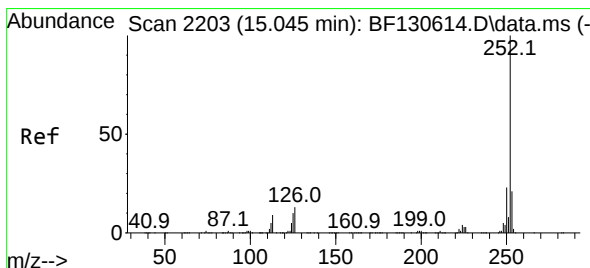
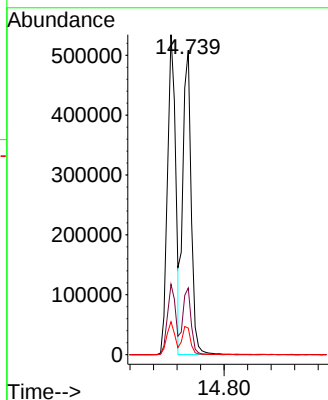
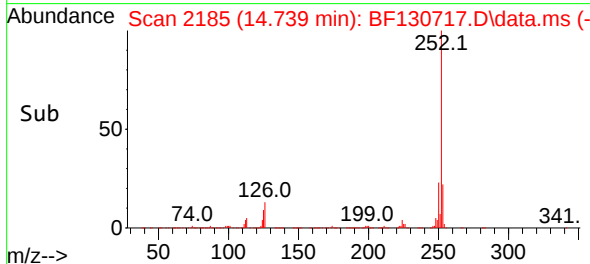
Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013MS



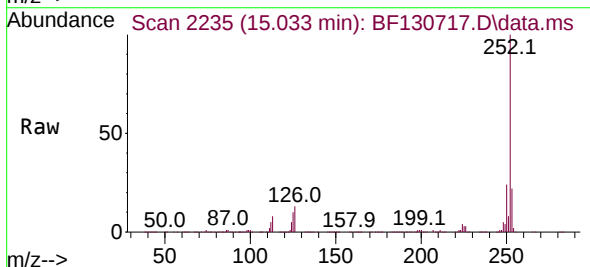
Tgt Ion:252 Resp: 503556
Ion Ratio Lower Upper
252 100
253 21.9 17.0 25.4
125 8.7 7.2 10.8

Manual Integrations
APPROVED

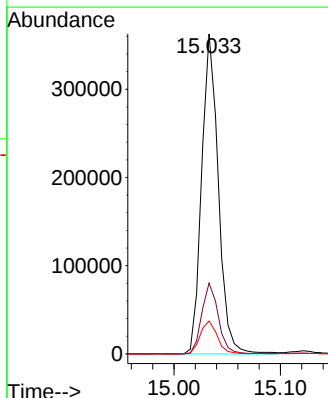
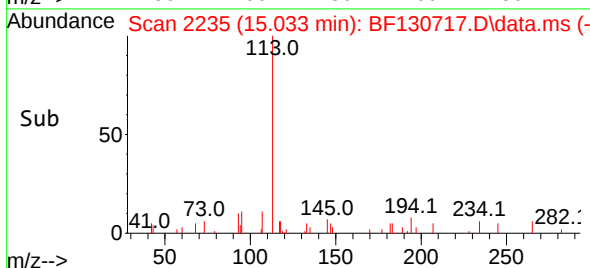
Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022

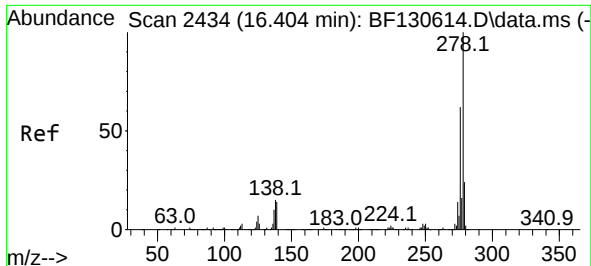


#90
Benzo(a)pyrene
Concen: 43.754 ng
RT: 15.033 min Scan# 2235
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29



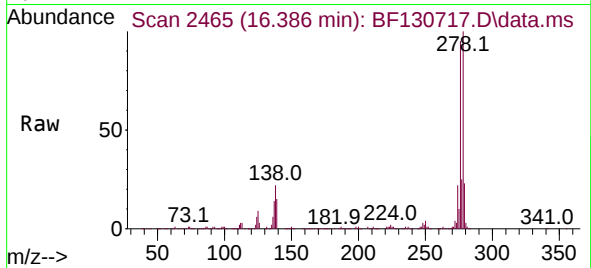
Tgt Ion:252 Resp: 393987
Ion Ratio Lower Upper
252 100
253 22.1 17.0 25.6
125 10.3 8.4 12.6





#91
Dibenzo(a,h)anthracene
Concen: 40.696 ng
RT: 16.386 min Scan# 2434
Delta R.T. -0.006 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29

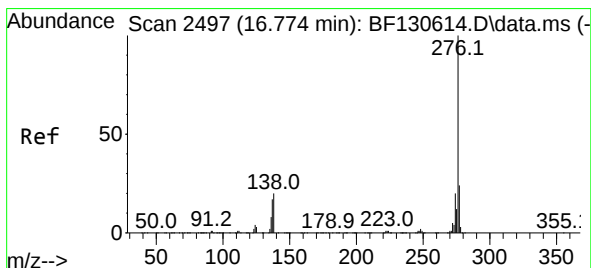
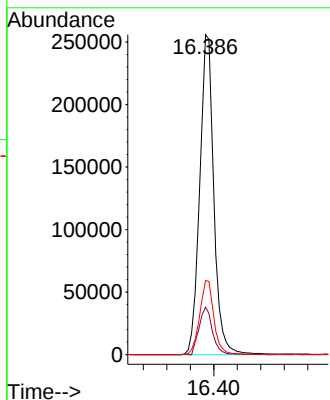
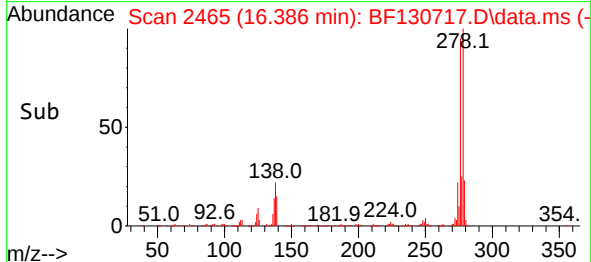
Instrument :
BNA_F
ClientSampleId :
HAS-SOIL-1013MS



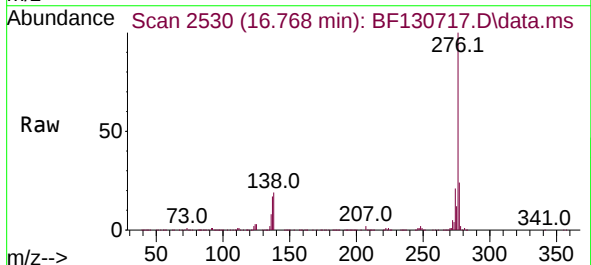
Tgt Ion:278 Resp: 426584
Ion Ratio Lower Upper
278 100
139 14.8 11.1 16.7
279 23.2 19.0 28.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 10/20/2022
Supervised By :mohammad ahmed 10/20/2022



#92
Benzo(g,h,i)perylene
Concen: 51.441 ng
RT: 16.768 min Scan# 2530
Delta R.T. -0.000 min
Lab File: BF130717.D
Acq: 19 Oct 2022 18:29



Tgt Ion:276 Resp: 502222
Ion Ratio Lower Upper
276 100
277 23.8 18.9 28.3
138 19.5 15.9 23.9

