

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121922\
 Data File : BF131688.D
 Acq On : 19 Dec 2022 14:46
 Operator : CG\JU
 Sample : N6067-02MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20221214MS

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 12/20/2022
 Supervised By : Jagrut Upadhyay 12/20/2022

Quant Time: Dec 20 01:03:09 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Dec 20 00:23:43 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	71933	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	262913	20.000	ng	# 0.00
39) Acenaphthene-d10	9.928	164	143190	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	228142	20.000	ng	# 0.00
76) Chrysene-d12	14.074	240	121583	20.000	ng	# 0.00
86) Perylene-d12	15.574	264	166218	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	636977	147.729	ng	0.03
7) Phenol-d6	6.516	99	778711	137.818	ng	0.01
23) Nitrobenzene-d5	7.445	82	602755	86.676	ng	0.00
42) 2,4,6-Tribromophenol	10.727	330	223652	140.583	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1029547	90.658	ng	0.00
79) Terphenyl-d14	13.016	244	803838	90.669	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.804	88	89909	46.196	ng	# 81
3) Pyridine	3.522	79	205062	37.950	ng	96
4) n-Nitrosodimethylamine	3.463	42	128624	43.162	ng	# 85
6) Aniline	6.540	93	160086	23.690	ng	96
8) 2-Chlorophenol	6.663	128	231735	50.715	ng	96
9) Benzaldehyde	6.428	77	88578	22.884	ng	97
10) Phenol	6.528	94	289798m	45.981	ng	
11) bis(2-Chloroethyl)ether	6.616	93	255038	53.983	ng	97
12) 1,3-Dichlorobenzene	6.816	146	249471	47.090	ng	97
13) 1,4-Dichlorobenzene	6.892	146	250105	46.804	ng	99
14) 1,2-Dichlorobenzene	7.045	146	239875	46.992	ng	97
15) Benzyl Alcohol	7.022	79	259877	50.169	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.151	45	318186	52.138	ng	99
17) 2-Methylphenol	7.134	107	207176	50.309	ng	97
18) Hexachloroethane	7.387	117	100711	46.721	ng	90
19) n-Nitroso-di-n-propyla...	7.298	70	204531	48.275	ng	92
20) 3+4-Methylphenols	7.287	107	262734	46.841	ng	# 80
22) Acetophenone	7.292	105	386438	46.903	ng	98
24) Nitrobenzene	7.469	77	317102	45.211	ng	# 91
25) Isophorone	7.704	82	557717	49.790	ng	99
26) 2-Nitrophenol	7.781	139	125357	52.410	ng	95
27) 2,4-Dimethylphenol	7.822	122	206476	56.321	ng	95
28) bis(2-Chloroethoxy)met...	7.916	93	310851	53.645	ng	100
29) 2,4-Dichlorophenol	8.028	162	213782	47.161	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	251870	45.308	ng	99
31) Naphthalene	8.186	128	695141	46.943	ng	99
32) Benzoic acid	7.939	122	129431m	48.749	ng	
33) 4-Chloroaniline	8.239	127	63624	11.463	ng	98
34) Hexachlorobutadiene	8.298	225	164432	41.970	ng	98
35) Caprolactam	8.616	113	47800m	40.764	ng	
36) 4-Chloro-3-methylphenol	8.728	107	231516	45.483	ng	96
37) 2-Methylnaphthalene	8.881	142	460365	45.459	ng	98
38) 1-Methylnaphthalene	8.981	142	428881	44.116	ng	98
40) 1,2,4,5-Tetrachloroben...	9.045	216	266352	50.249	ng	98
41) Hexachlorocyclopentadiene	9.033	237	315447	117.248	ng	97
43) 2,4,6-Trichlorophenol	9.163	196	164067	50.042	ng	98

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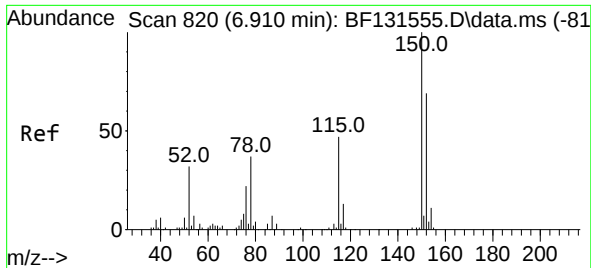
Quant Time: Dec 20 01:03:09 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120822.M
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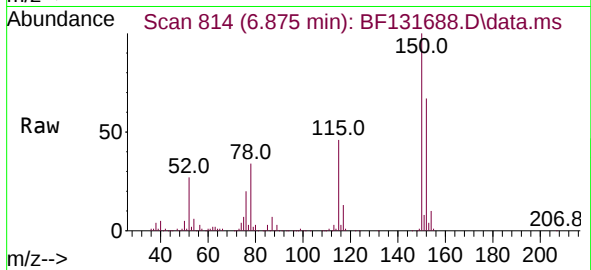
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
44) 2,4,5-Trichlorophenol	9.204	196	170030	48.223	ng	#	95
46) 1,1'-Biphenyl	9.351	154	575234	50.810	ng		98
47) 2-Chloronaphthalene	9.375	162	454899	49.317	ng		99
48) 2-Nitroaniline	9.475	65	151066	46.233	ng		92
49) Acenaphthylene	9.792	152	671545	49.584	ng		99
50) Dimethylphthalate	9.657	163	515847	47.258	ng		100
51) 2,6-Dinitrotoluene	9.716	165	112083	49.738	ng		89
52) Acenaphthene	9.963	154	472012m	52.024	ng		
53) 3-Nitroaniline	9.886	138	65177	30.145	ng		97
54) 2,4-Dinitrophenol	9.992	184	103994	80.584	ng		94
55) Dibenzofuran	10.139	168	609689	47.559	ng		97
56) 4-Nitrophenol	10.057	139	126835	84.444	ng	#	73
57) 2,4-Dinitrotoluene	10.122	165	143300	47.937	ng		98
58) Fluorene	10.480	166	474364	45.516	ng		99
59) 2,3,4,6-Tetrachlorophenol	10.257	232	131640m	44.089	ng		
60) Diethylphthalate	10.357	149	463138	44.214	ng		99
61) 4-Chlorophenyl-phenyle...	10.475	204	260328	45.201	ng		95
62) 4-Nitroaniline	10.510	138	88445	41.280	ng	#	81
63) Azobenzene	10.633	77	521324	43.635	ng		96
65) 4,6-Dinitro-2-methylph...	10.528	198	68679	47.529	ng		96
66) n-Nitrosodiphenylamine	10.592	169	382136	51.811	ng		100
67) 4-Bromophenyl-phenylether	10.963	248	148104	50.463	ng		96
68) Hexachlorobenzene	11.027	284	161500	50.873	ng		95
69) Atrazine	11.122	200	108167	46.182	ng		95
70) Pentachlorophenol	11.227	266	162350	99.340	ng		99
71) Phenanthrene	11.451	178	620379	48.786	ng		99
72) Anthracene	11.498	178	624937	50.513	ng		100
73) Carbazole	11.657	167	474964	47.033	ng		99
74) Di-n-butylphthalate	11.986	149	584195	47.154	ng		99
75) Fluoranthene	12.639	202	561223	42.859	ng		98
77) Benzidine	12.763	184	106420	32.667	ng		97
78) Pyrene	12.869	202	566190	47.227	ng		100
80) Butylbenzylphthalate	13.492	149	181302	52.256	ng		95
81) Benzo(a)anthracene	14.063	228	445395	50.727	ng		100
82) 3,3'-Dichlorobenzidine	14.027	252	132658	53.103	ng		98
83) Chrysene	14.104	228	418400	50.124	ng		99
84) Bis(2-ethylhexyl)phtha...	14.051	149	240961	50.792	ng		100
85) Di-n-octyl phthalate	14.668	149	431460	54.871	ng		98
87) Indeno(1,2,3-cd)pyrene	17.104	276	660126	48.663	ng		98
88) Benzo(b)fluoranthene	15.133	252	533149	48.667	ng		99
89) Benzo(k)fluoranthene	15.168	252	506615	44.306	ng		100
90) Benzo(a)pyrene	15.515	252	485654	51.946	ng		99
91) Dibenzo(a,h)anthracene	17.121	278	554835	49.697	ng		99
92) Benzo(g,h,i)perylene	17.568	276	546355	48.693	ng		99

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



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 81
 Delta R.T. -0.000 min
 Lab File: BF131688.D
 Acq: 19 Dec 2022 14:46

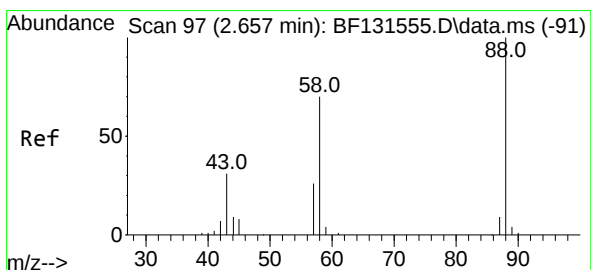
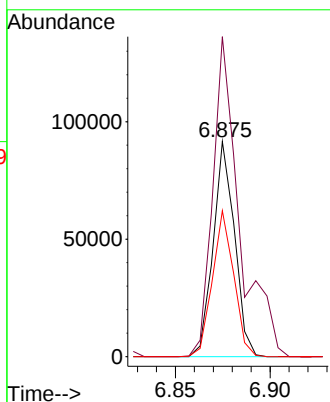
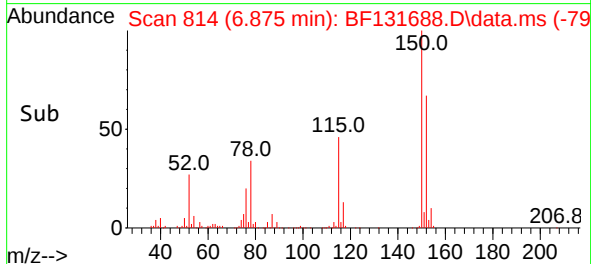
Instrument :
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 WC-SOIL-20221214MS



Tgt Ion:152 Resp: 71933
 Ion Ratio Lower Upper
 152 100
 150 148.8 116.7 175.1
 115 67.8 54.6 82.0

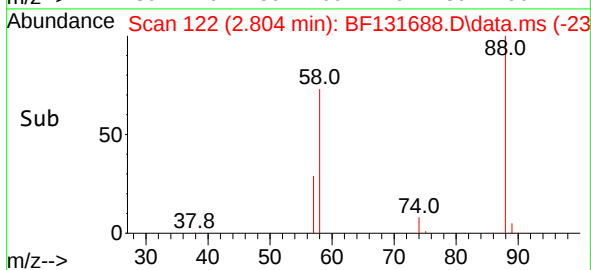
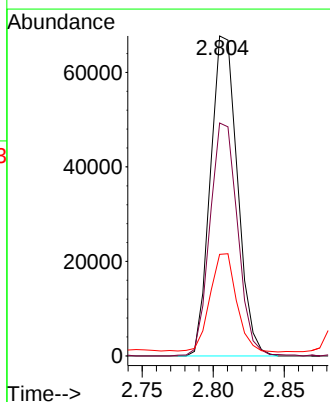
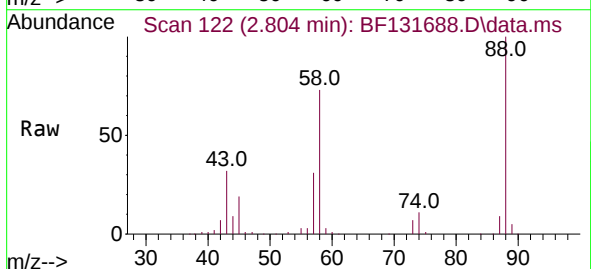
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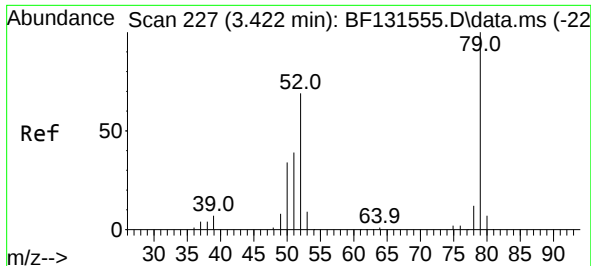
Reviewed By :Christian Giraldo 12/20/2022
 Supervised By :Jagrut Upadhyay 12/20/2022



#2
 1,4-Dioxane
 Concen: 46.196 ng
 RT: 2.804 min Scan# 122
 Delta R.T. 0.229 min
 Lab File: BF131688.D
 Acq: 19 Dec 2022 14:46

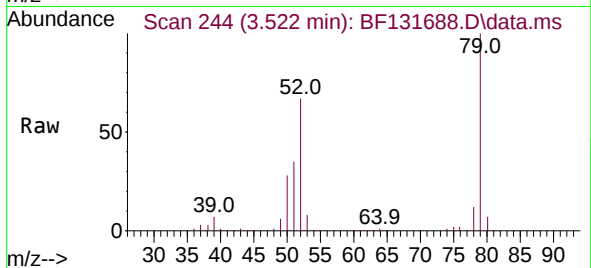
Tgt Ion: 88 Resp: 89909
 Ion Ratio Lower Upper
 88 100
 58 74.3 60.0 90.0
 43 0.0 26.7 40.1#





#3
Pyridine
Concen: 37.950 ng
RT: 3.522 min Scan# 24
Delta R.T. 0.188 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

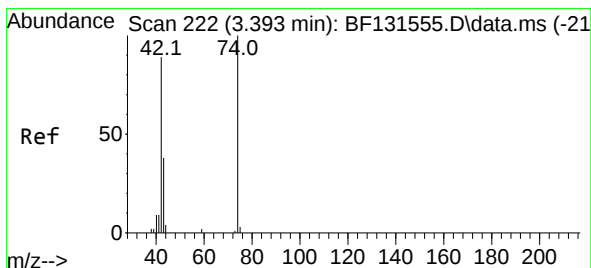
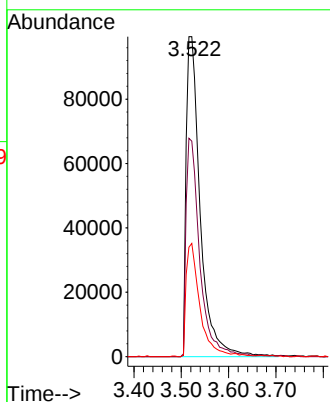
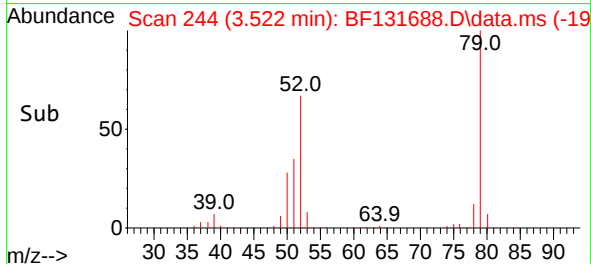
Instrument :
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WC-SOIL-20221214MS



Tgt Ion: 79 Resp: 205062
Ion Ratio Lower Upper
79 100
52 67.3 55.0 82.6
51 35.4 31.4 47.2

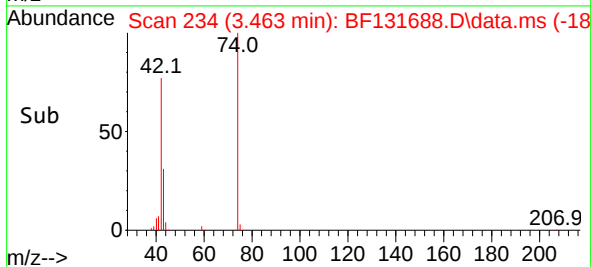
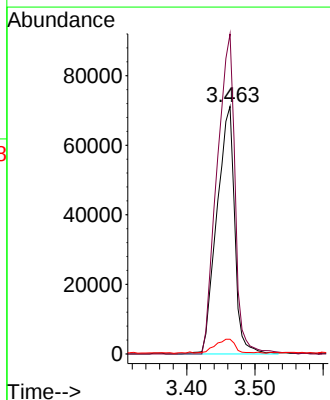
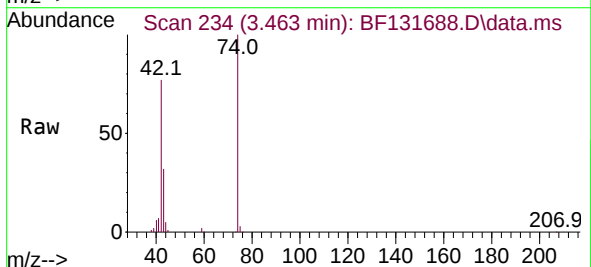
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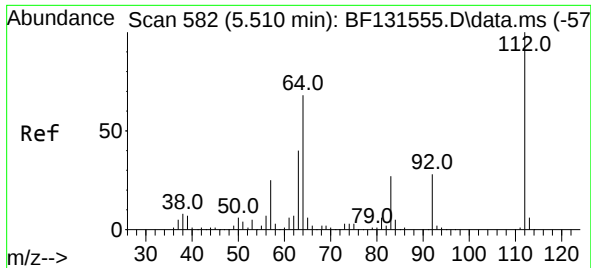
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#4
n-Nitrosodimethylamine
Concen: 43.162 ng
RT: 3.463 min Scan# 234
Delta R.T. 0.165 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

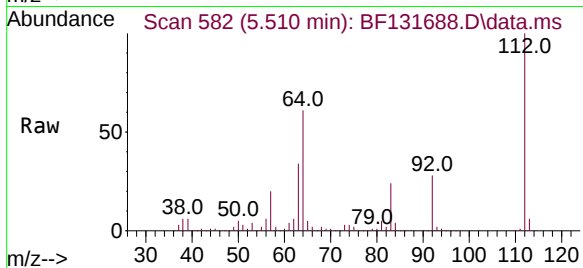
Tgt Ion: 42 Resp: 128624
Ion Ratio Lower Upper
42 100
74 129.4 90.2 135.2
44 5.9 3.7 5.5#





#5
2-Fluorophenol
Concen: 147.729 ng
RT: 5.510 min Scan# 582
Delta R.T. 0.029 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

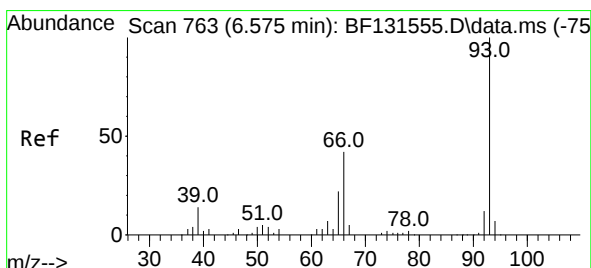
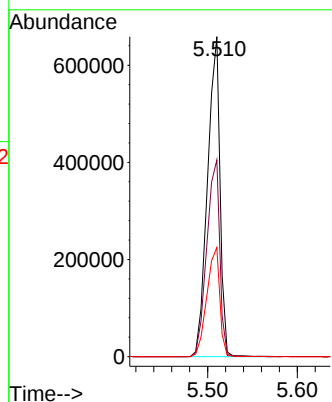
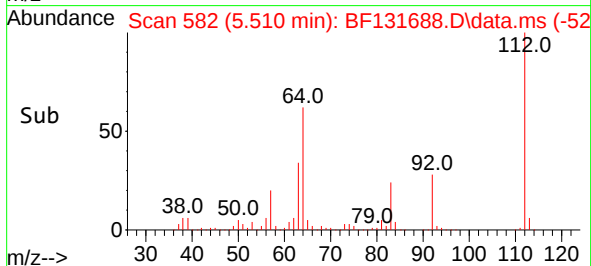
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WC-SOIL-20221214MS



Tgt Ion:112 Resp: 636972
Ion Ratio Lower Upper
112 100
64 61.5 54.5 81.7
63 34.1 31.9 47.9

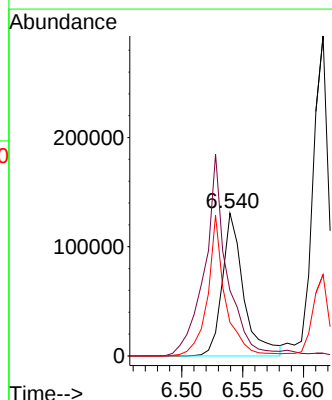
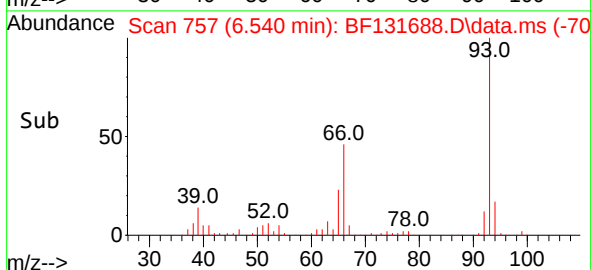
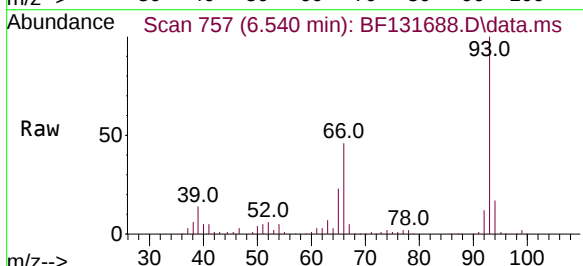
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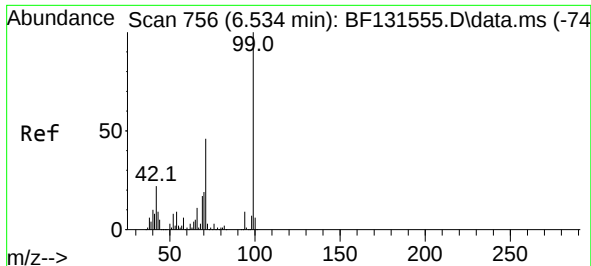
Reviewed By :Christian Giraldo 12/20/2022
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#6
Aniline
Concen: 23.690 ng
RT: 6.540 min Scan# 757
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

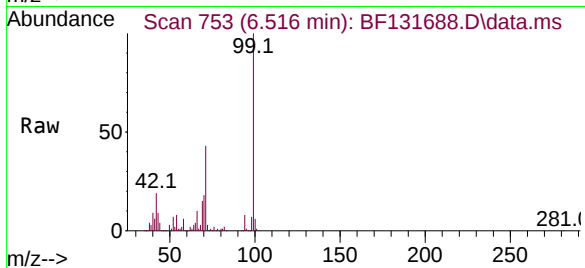
Tgt Ion: 93 Resp: 160086
Ion Ratio Lower Upper
93 100
66 45.7 34.6 51.8
65 23.5 17.7 26.5





#7
Phenol-d6
Concen: 137.818 ng
RT: 6.516 min Scan# 756
Delta R.T. 0.012 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

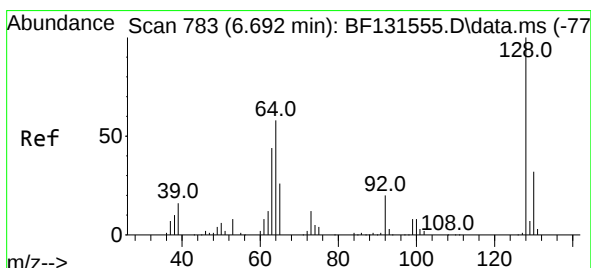
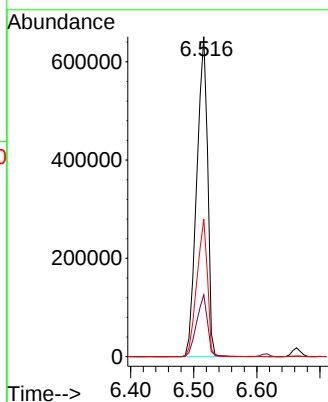
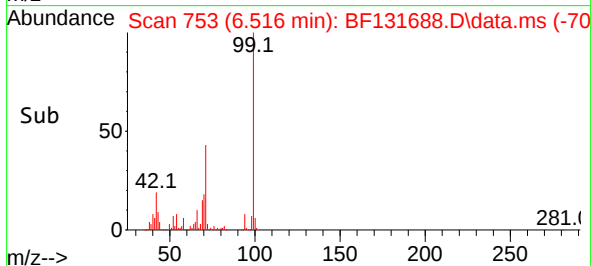
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Tgt Ion: 99 Resp: 778711
Ion Ratio Lower Upper
99 100
42 19.3 17.9 26.9
71 42.9 37.2 55.8

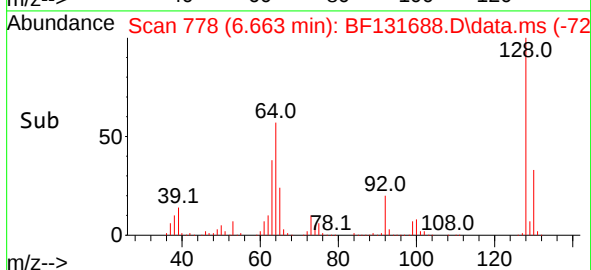
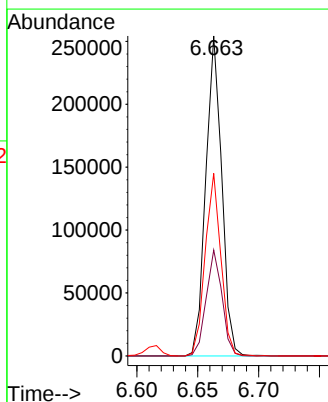
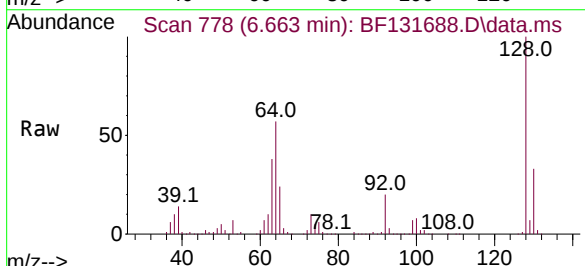
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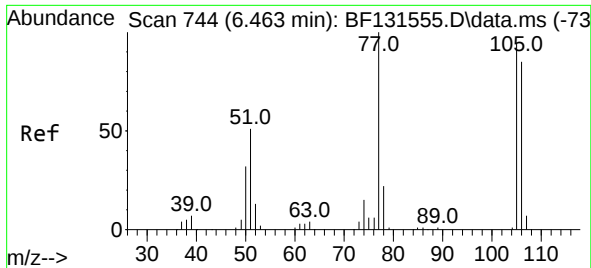
Reviewed By :Christian Giraldo 12/20/2022
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#8
2-Chlorophenol
Concen: 50.715 ng
RT: 6.663 min Scan# 778
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

Tgt Ion:128 Resp: 231735
Ion Ratio Lower Upper
128 100
130 33.1 11.6 51.6
64 57.0 40.6 80.6





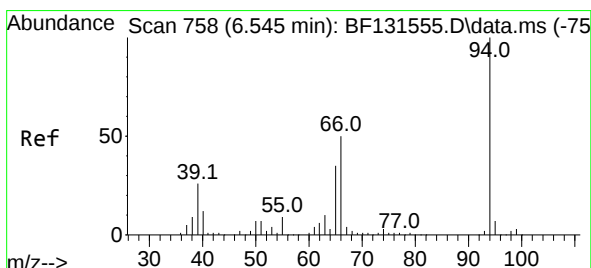
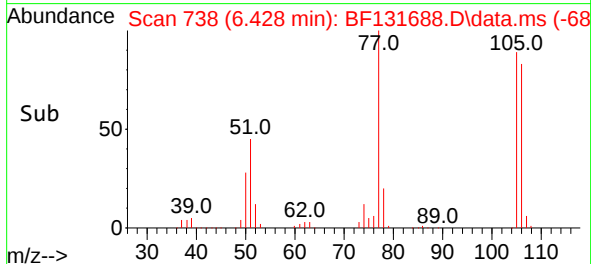
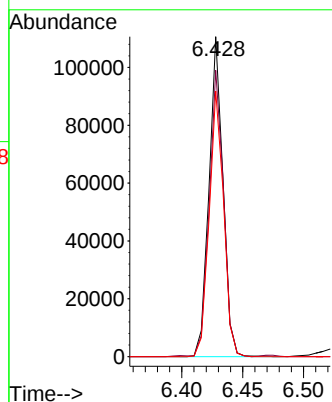
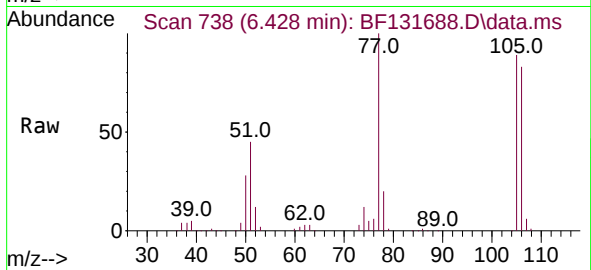
#9
Benzaldehyde
Concen: 22.884 ng
RT: 6.428 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MS

Tgt Ion: 77 Resp: 88578
Ion Ratio Lower Upper
77 100
105 89.5 73.8 113.8
106 83.0 65.2 105.2

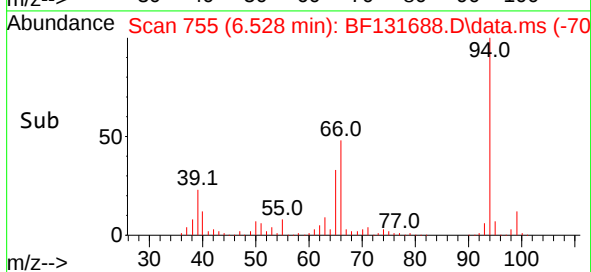
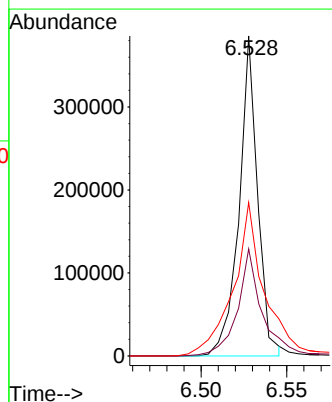
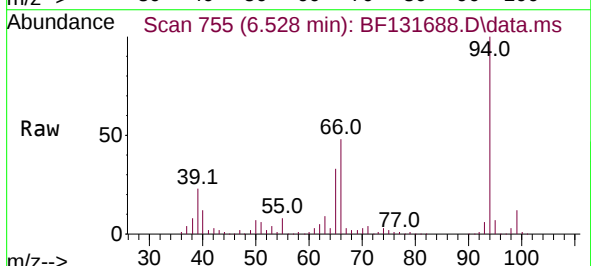
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APPROVED

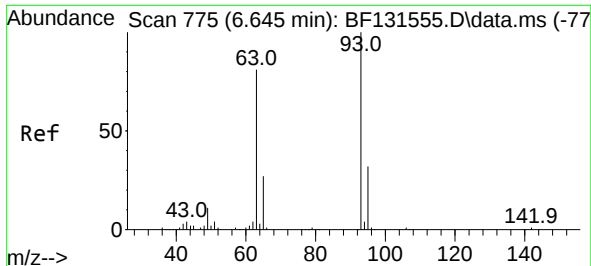
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#10
Phenol
Concen: 45.981 ng m
RT: 6.528 min Scan# 755
Delta R.T. 0.006 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

Tgt Ion: 94 Resp: 289798
Ion Ratio Lower Upper
94 100
65 33.4 14.8 54.8
66 48.0 30.8 70.8





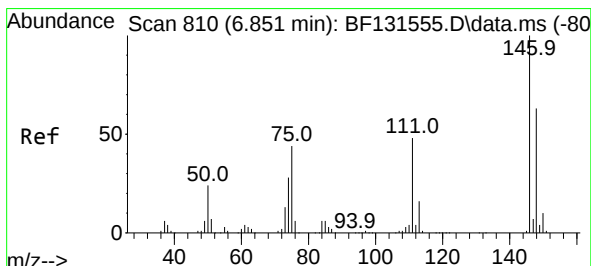
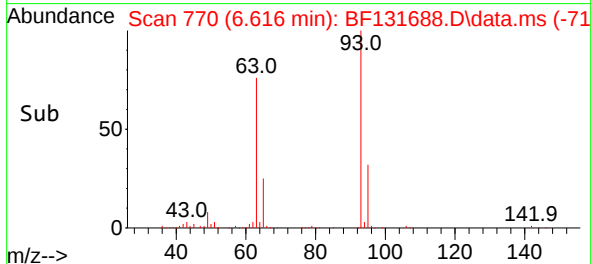
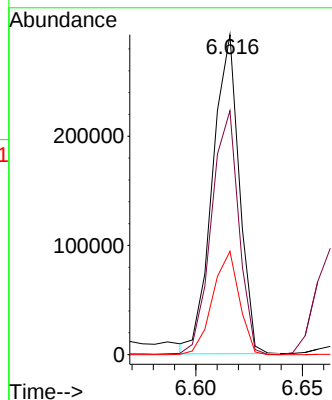
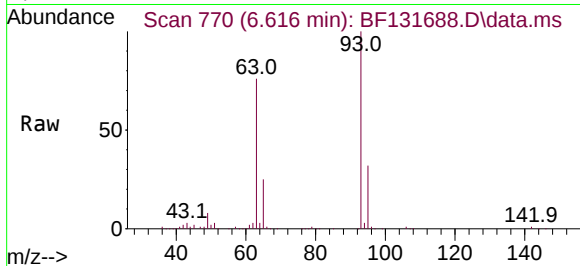
#11
bis(2-Chloroethyl)ether
Concen: 53.983 ng
RT: 6.616 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MS

Tgt Ion: 93 Resp: 255038
Ion Ratio Lower Upper
93 100
63 76.2 60.4 100.4
95 32.3 12.3 52.3

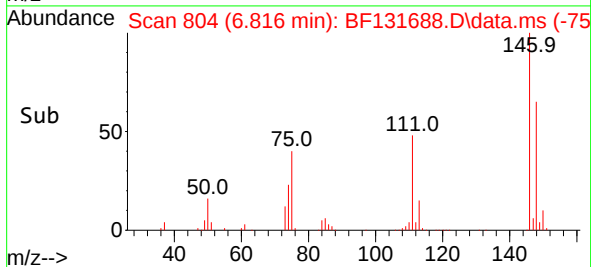
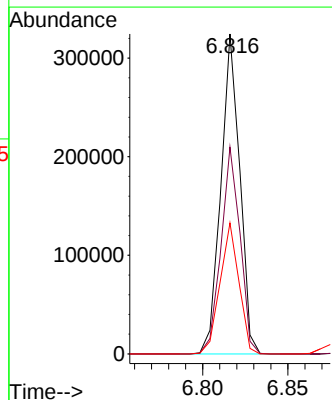
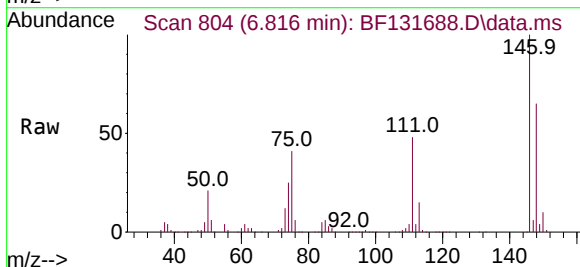
Manual Integrations
APPROVED

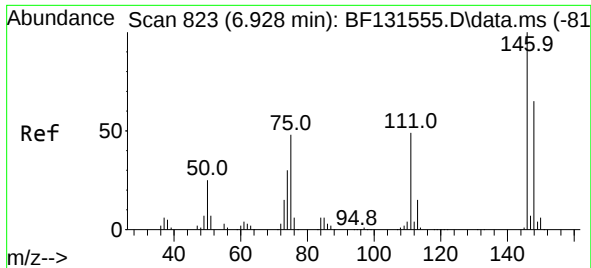
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#12
1,3-Dichlorobenzene
Concen: 47.090 ng
RT: 6.816 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

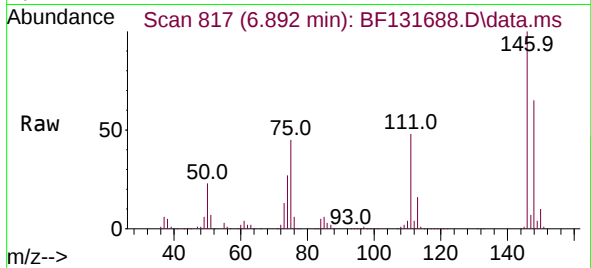
Tgt Ion:146 Resp: 249471
Ion Ratio Lower Upper
146 100
148 64.6 50.7 76.1
75 40.9 35.1 52.7





#13
1,4-Dichlorobenzene
Concen: 46.804 ng
RT: 6.892 min Scan# 817
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

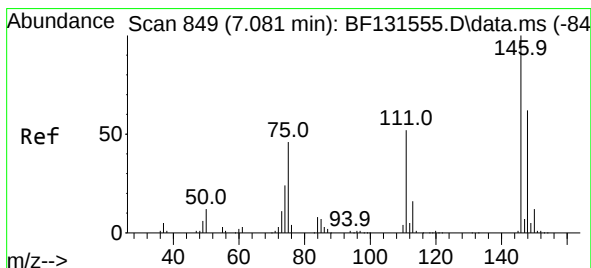
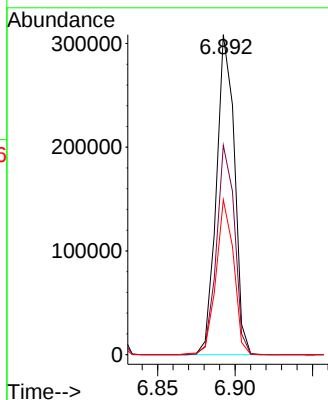
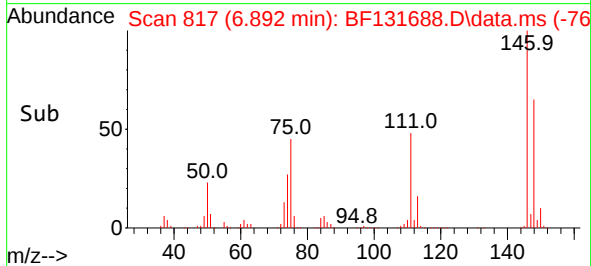
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MS



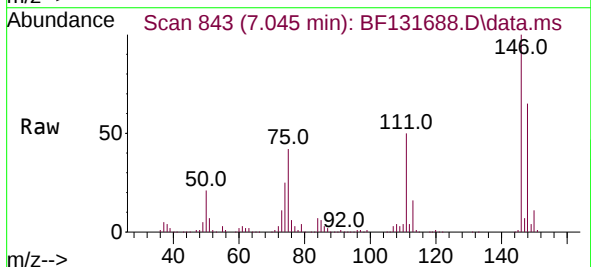
Tgt Ion:146 Resp: 250105
Ion Ratio Lower Upper
146 100
148 65.4 51.8 77.6
111 48.4 38.9 58.3

Manual Integrations
APPROVED

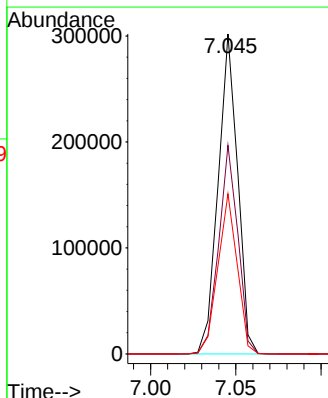
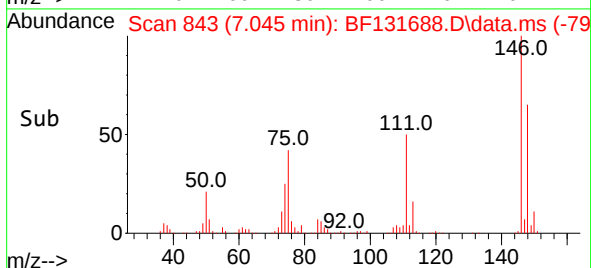
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022

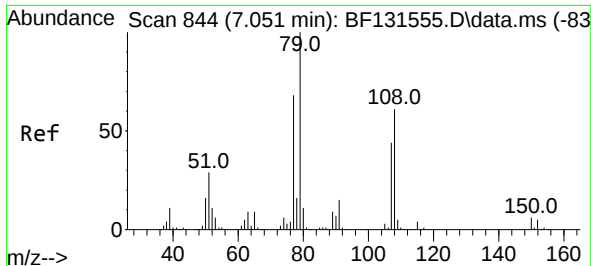


#14
1,2-Dichlorobenzene
Concen: 46.992 ng
RT: 7.045 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46



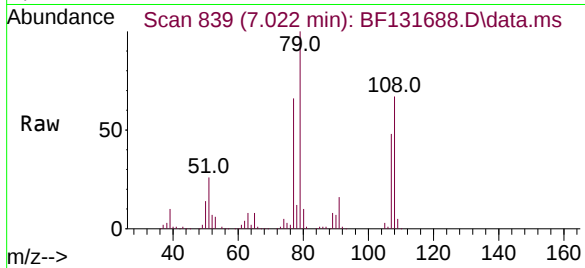
Tgt Ion:146 Resp: 239875
Ion Ratio Lower Upper
146 100
148 65.2 49.9 74.9
111 50.0 41.8 62.6





#15
Benzyl Alcohol
Concen: 50.169 ng
RT: 7.022 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

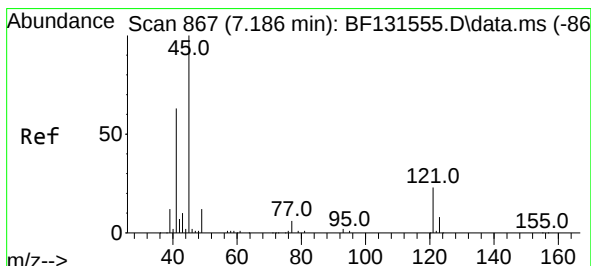
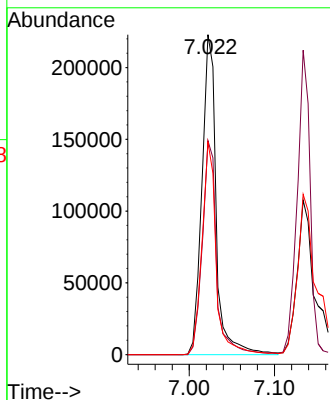
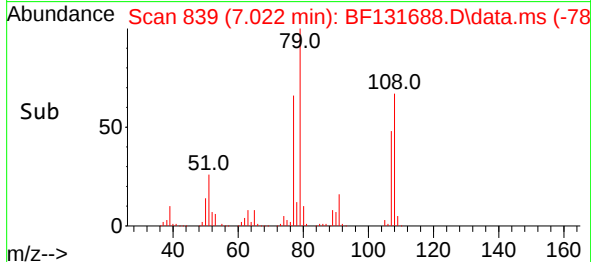
Instrument :
BNA_F
Client SampleId :
WC-SOIL-20221214MS



Tgt Ion: 79 Resp: 259872
Ion Ratio Lower Upper
79 100
108 66.8 49.2 73.8
77 66.4 54.5 81.7

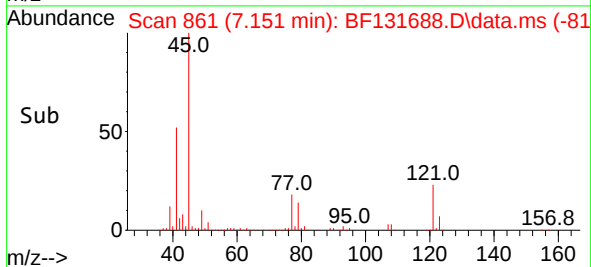
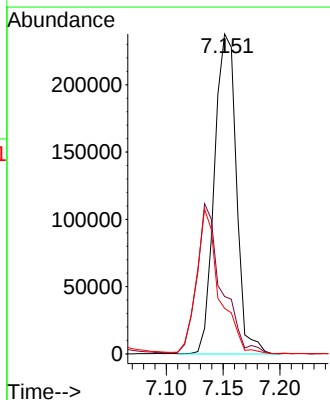
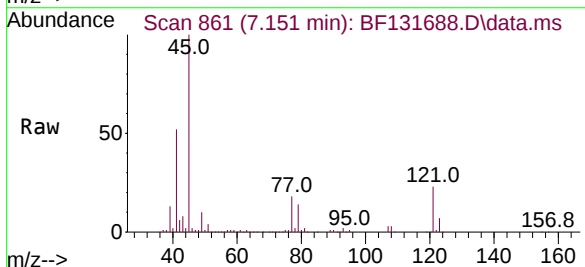
Manual Integrations
APPROVED

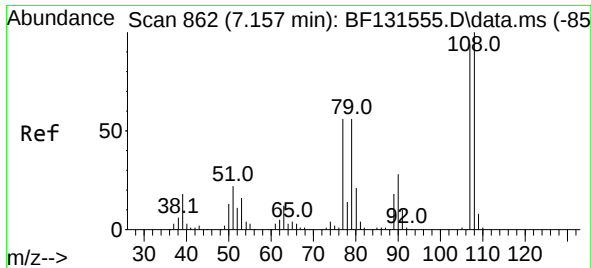
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 52.138 ng
RT: 7.151 min Scan# 861
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

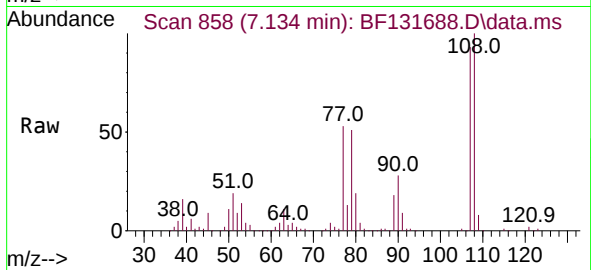
Tgt Ion: 45 Resp: 318186
Ion Ratio Lower Upper
45 100
77 17.9 0.0 37.7
79 14.2 0.0 33.6





#17
2-Methylphenol
Concen: 50.309 ng
RT: 7.134 min Scan# 80
Delta R.T. 0.006 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

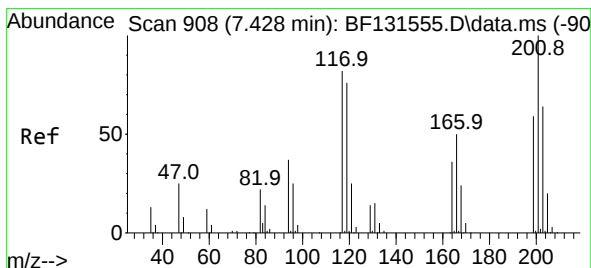
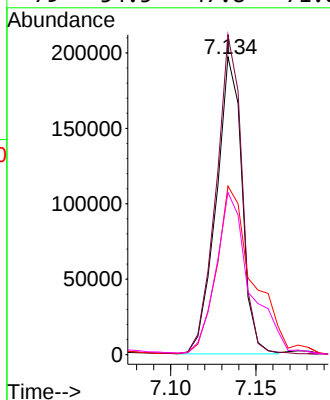
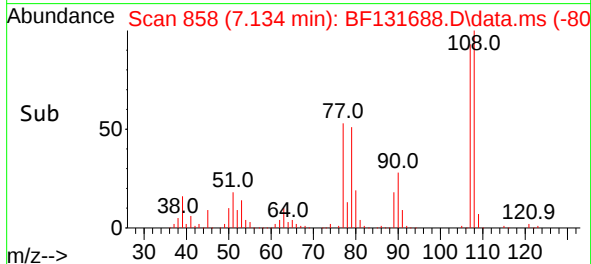
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MS



Tgt Ion:107 Resp: 207176
Ion Ratio Lower Upper
107 100
108 107.5 85.5 128.3
77 56.5 48.2 72.4
79 54.5 47.8 71.8

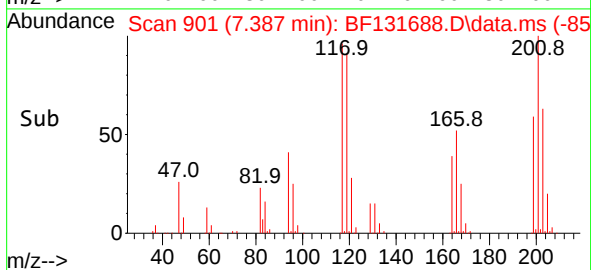
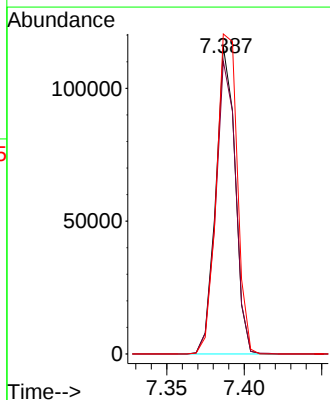
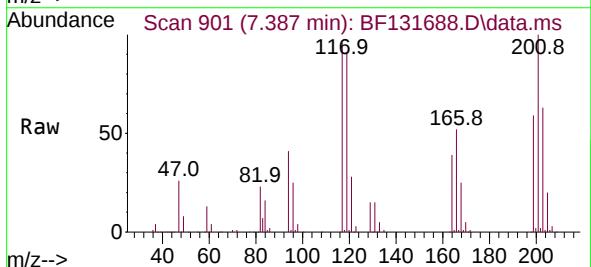
Manual Integrations
APPROVED

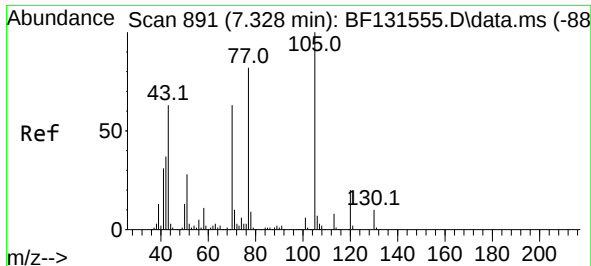
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#18
Hexachloroethane
Concen: 46.721 ng
RT: 7.387 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

Tgt Ion:117 Resp: 100711
Ion Ratio Lower Upper
117 100
119 95.2 75.0 112.4
201 104.1 98.0 147.0





#19

n-Nitroso-di-n-propylamine

Concen: 48.275 ng

RT: 7.298 min Scan# 886

Delta R.T. 0.006 min

Lab File: BF131688.D

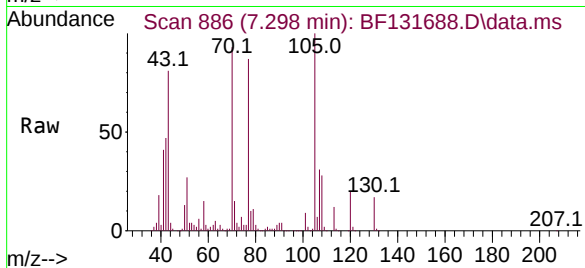
Acq: 19 Dec 2022 14:46

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20221214MS



Tgt Ion: 70 Resp: 204531

Ion Ratio Lower Upper

70 100

42 50.9 46.4 69.6

101 9.2 7.2 10.8

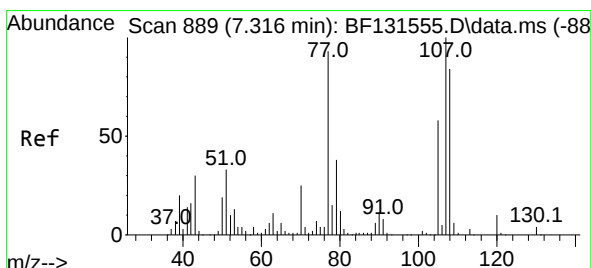
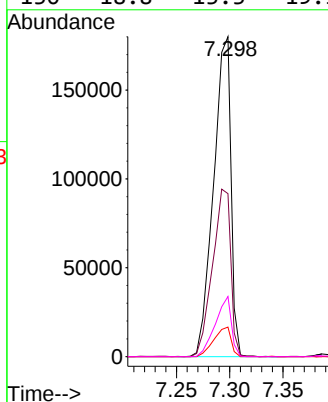
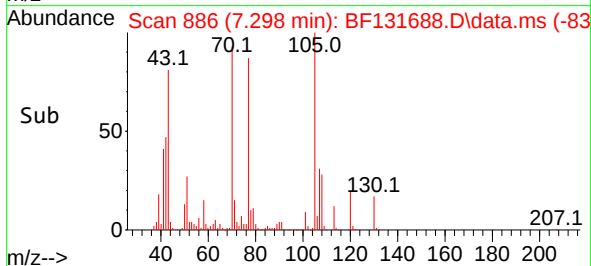
130 18.8 13.3 19.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/20/2022

Supervised By :Jagrut Upadhyay 12/20/2022



#20

3+4-Methylphenols

Concen: 46.841 ng

RT: 7.287 min Scan# 884

Delta R.T. 0.000 min

Lab File: BF131688.D

Acq: 19 Dec 2022 14:46

Tgt Ion:107 Resp: 262734

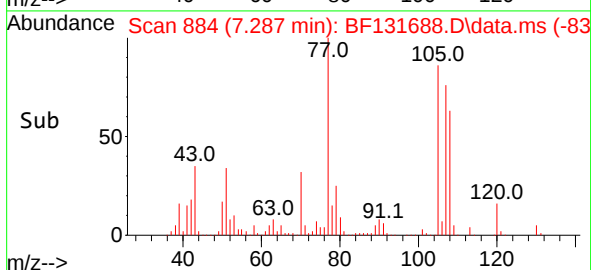
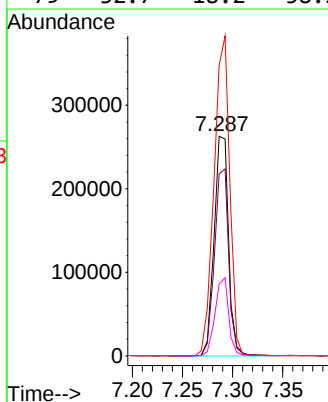
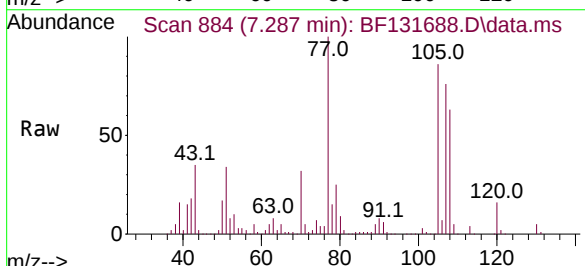
Ion Ratio Lower Upper

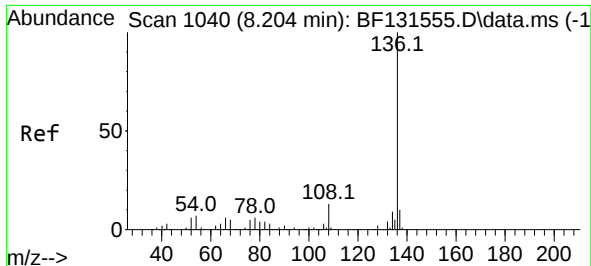
107 100

108 82.9 64.0 104.0

77 132.3 73.1 113.1#

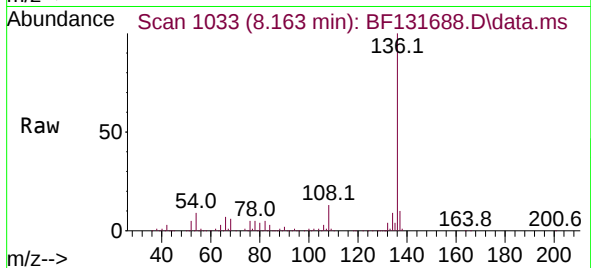
79 32.7 18.2 58.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

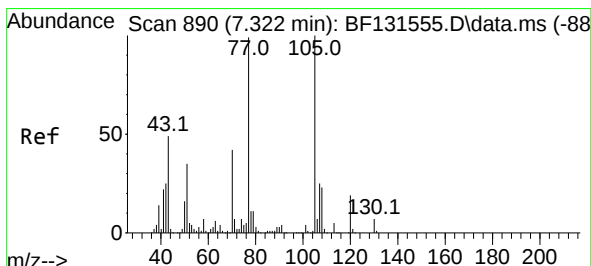
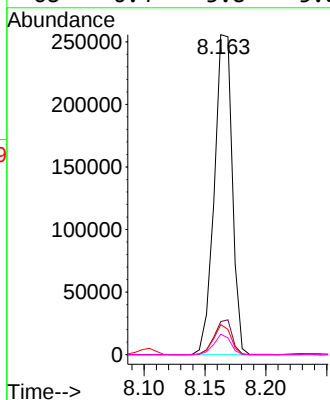
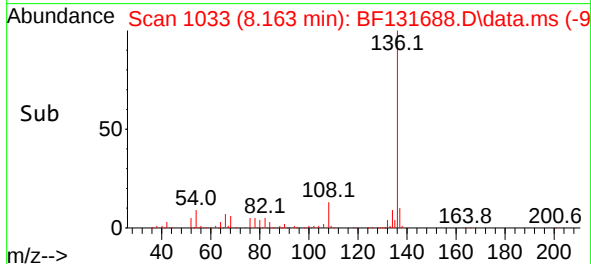
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MS



Tgt Ion:136 Resp: 262913
Ion Ratio Lower Upper
136 100
137 10.3 8.1 12.1
54 9.4 6.0 9.0
68 6.4 3.8 5.8

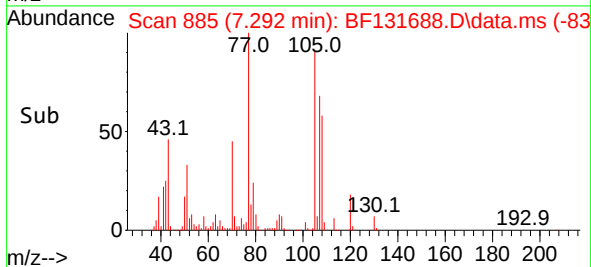
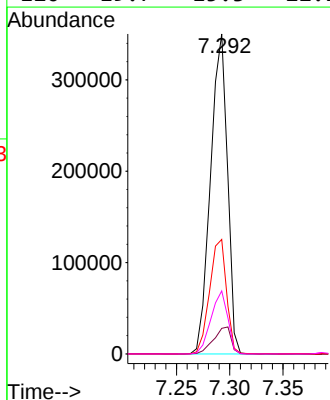
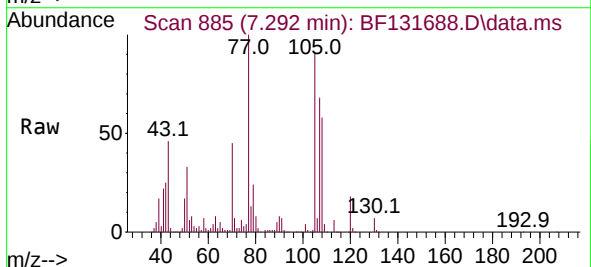
Manual Integrations
APPROVED

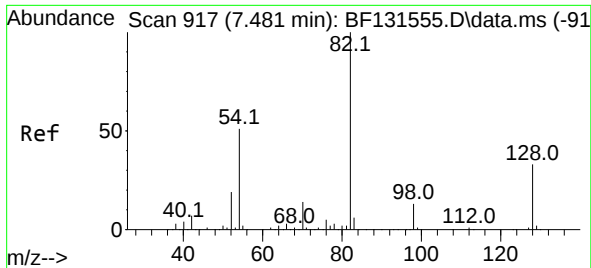
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#22
Acetophenone
Concen: 46.903 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

Tgt Ion:105 Resp: 386438
Ion Ratio Lower Upper
105 100
71 8.0 5.4 8.0
51 35.8 27.8 41.6
120 19.7 15.3 22.9





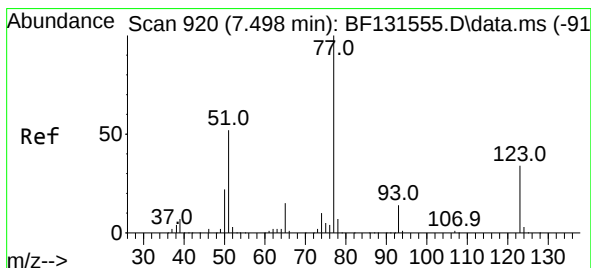
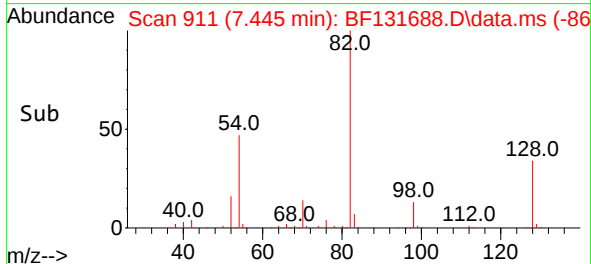
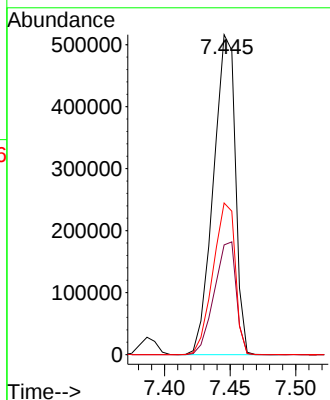
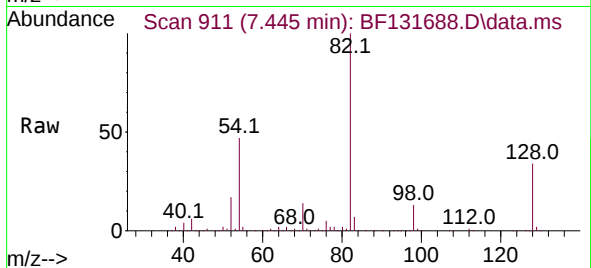
#23
Nitrobenzene-d5
Concen: 86.676 ng
RT: 7.445 min Scan# 911
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MS

Tgt Ion: 82 Resp: 60275
Ion Ratio Lower Upper
82 100
128 34.3 26.1 39.1
54 47.4 40.6 60.8

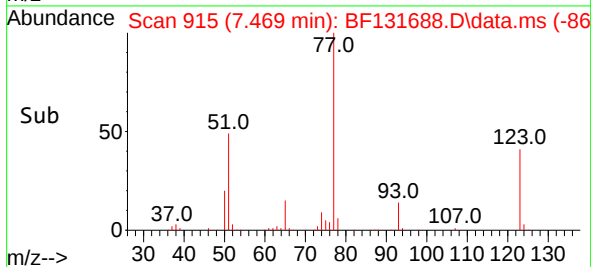
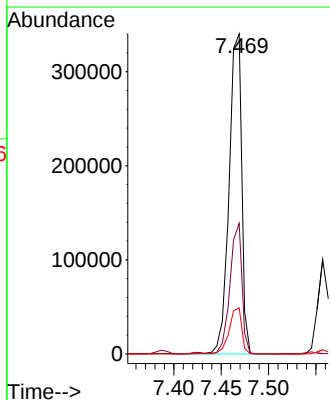
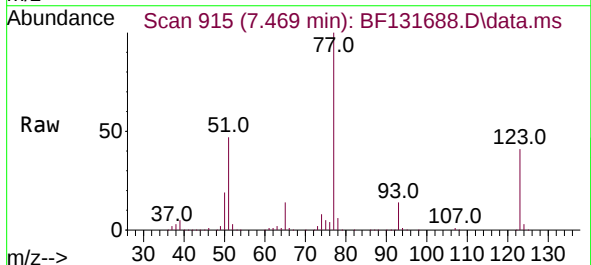
Manual Integrations
APPROVED

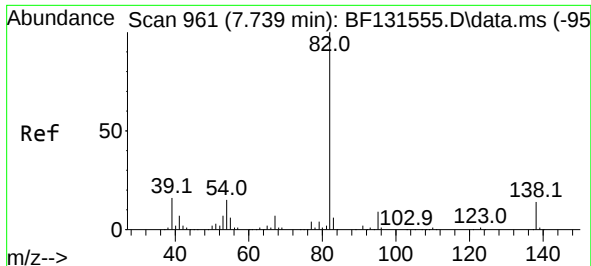
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#24
Nitrobenzene
Concen: 45.211 ng
RT: 7.469 min Scan# 915
Delta R.T. 0.006 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

Tgt Ion: 77 Resp: 317102
Ion Ratio Lower Upper
77 100
123 40.8 27.1 40.7#
65 14.4 11.9 17.9





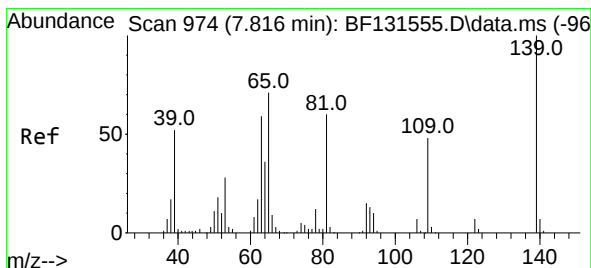
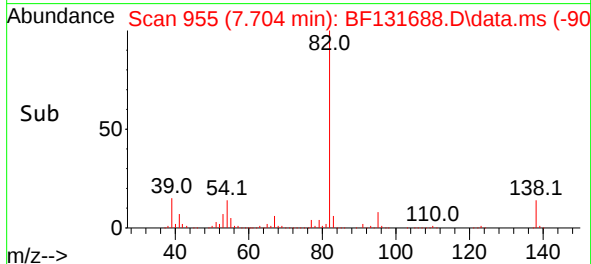
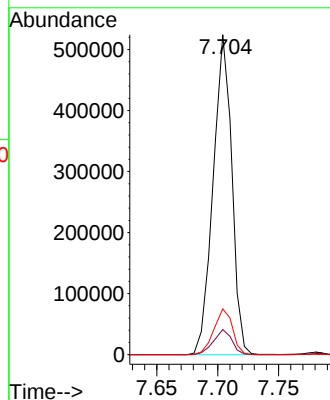
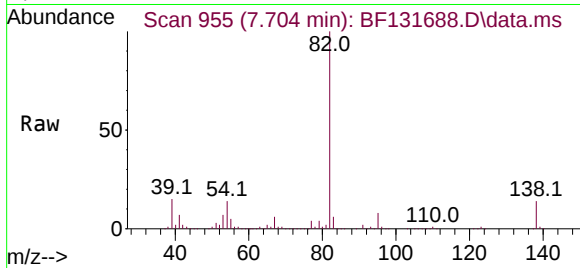
#25
Isophorone
Concen: 49.790 ng
RT: 7.704 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MS

Tgt Ion: 82 Resp: 55771
Ion Ratio Lower Upper
82 100
95 7.9 6.9 10.3
138 14.3 11.4 17.0

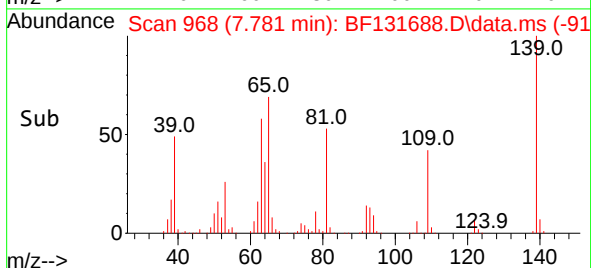
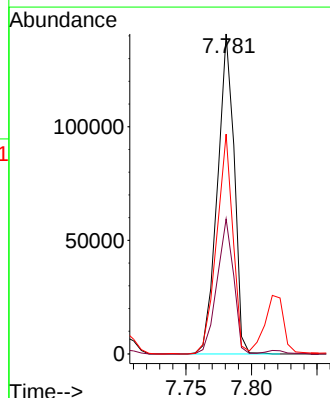
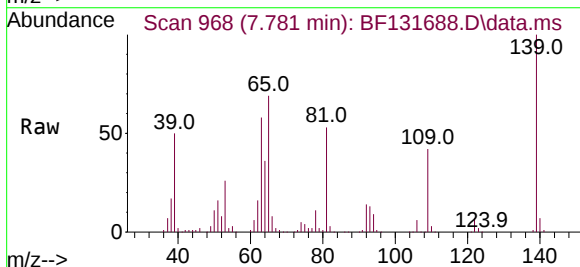
Manual Integrations
APPROVED

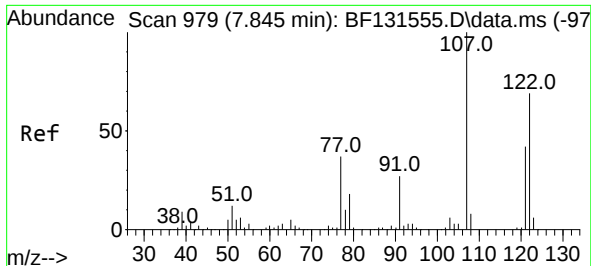
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#26
2-Nitrophenol
Concen: 52.410 ng
RT: 7.781 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

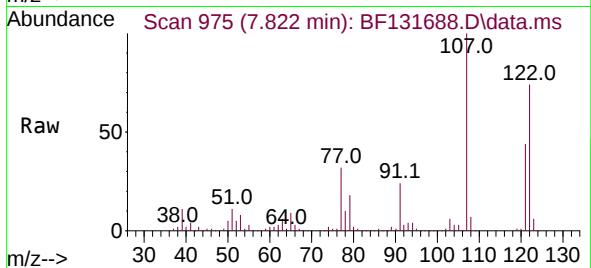
Tgt Ion:139 Resp: 125357
Ion Ratio Lower Upper
139 100
109 42.2 38.6 58.0
65 68.7 56.5 84.7





#27
2,4-Dimethylphenol
Concen: 56.321 ng
RT: 7.822 min Scan# 911
Delta R.T. 0.006 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

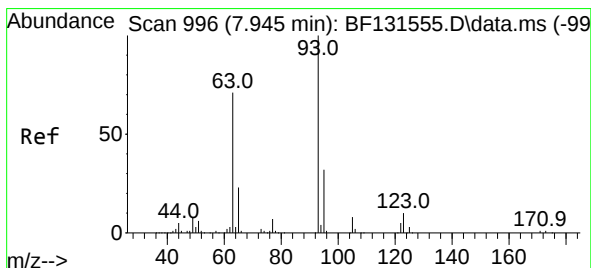
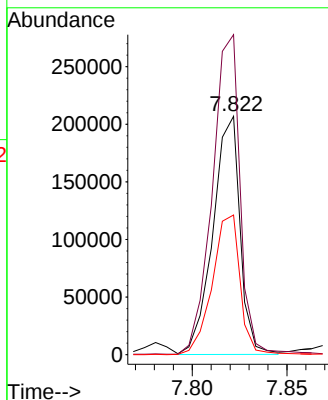
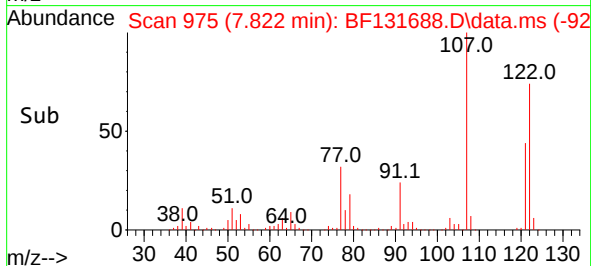
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MS



Tgt Ion:122 Resp: 206476
Ion Ratio Lower Upper
122 100
107 134.3 114.2 171.2
121 58.6 48.2 72.2

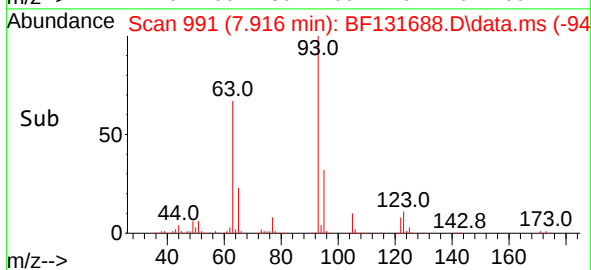
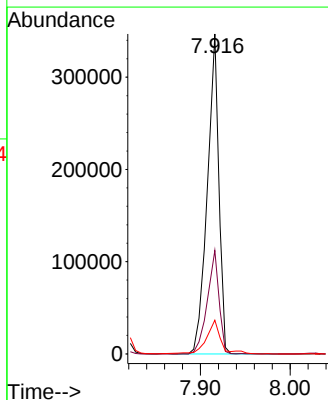
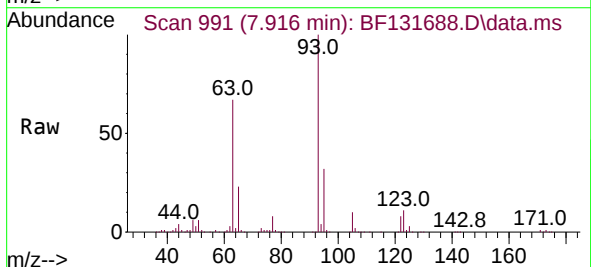
Manual Integrations
APPROVED

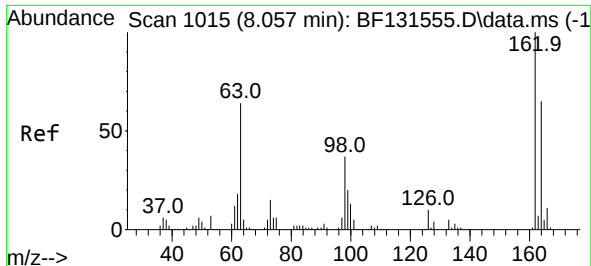
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#28
bis(2-Chloroethoxy)methane
Concen: 53.645 ng
RT: 7.916 min Scan# 991
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

Tgt Ion: 93 Resp: 310851
Ion Ratio Lower Upper
93 100
95 32.3 25.8 38.6
123 10.5 8.1 12.1





#29

2,4-Dichlorophenol

Concen: 47.161 ng

RT: 8.028 min Scan# 1015

Delta R.T. 0.006 min

Lab File: BF131688.D

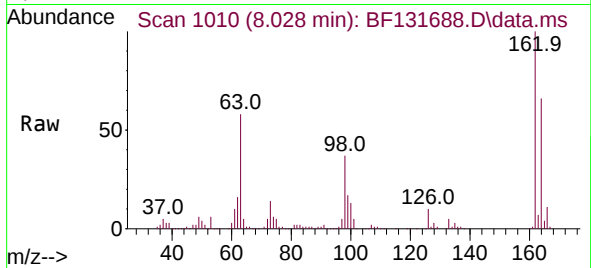
Acq: 19 Dec 2022 14:46

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20221214MS



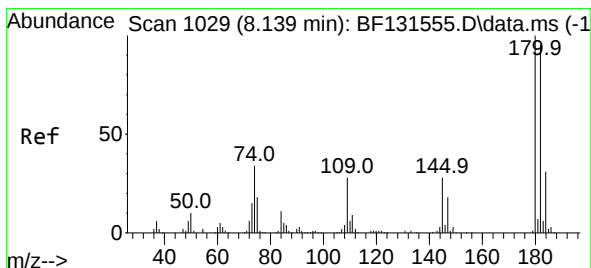
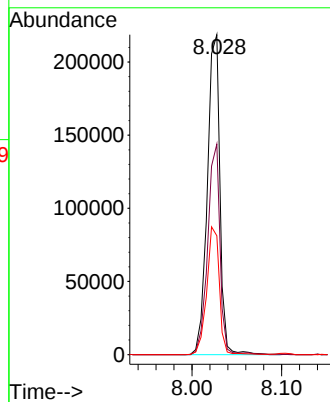
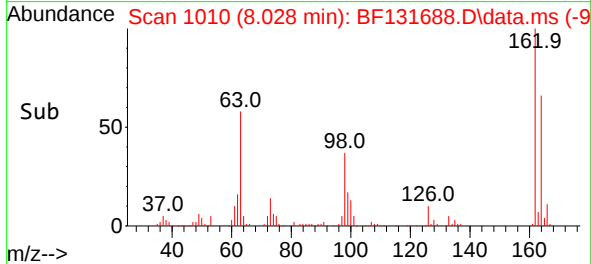
Tgt Ion:162	Resp:	213782
Ion Ratio	Lower	Upper
162	100	
164	65.8	45.0 85.0
98	37.1	16.6 56.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/20/2022

Supervised By :Jagrut Upadhyay 12/20/2022



#30

1,2,4-Trichlorobenzene

Concen: 45.308 ng

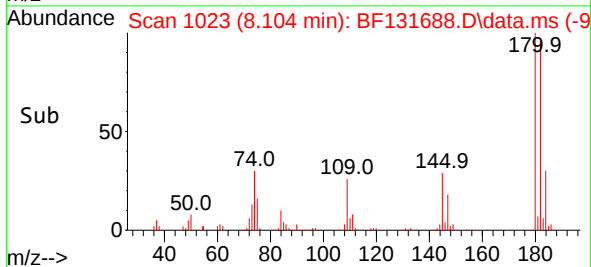
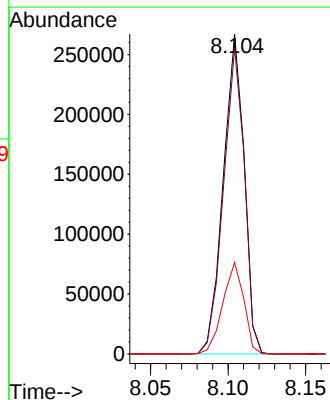
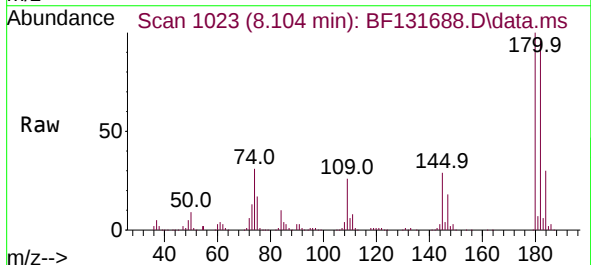
RT: 8.104 min Scan# 1023

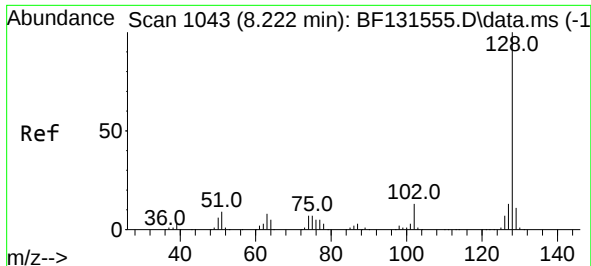
Delta R.T. 0.000 min

Lab File: BF131688.D

Acq: 19 Dec 2022 14:46

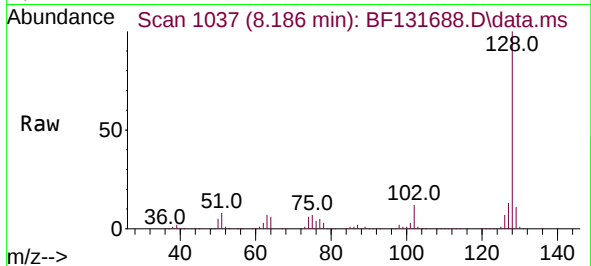
Tgt Ion:180	Resp:	251870
Ion Ratio	Lower	Upper
180	100	
182	95.6	75.8 113.6
145	28.6	22.4 33.6





#31
Naphthalene
Concen: 46.943 ng
RT: 8.186 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

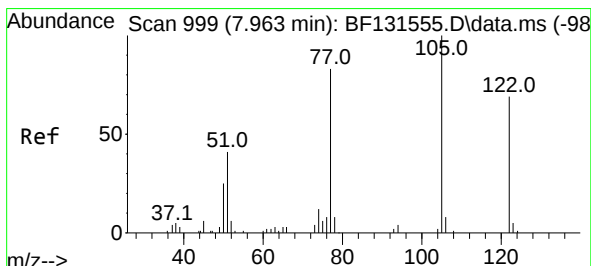
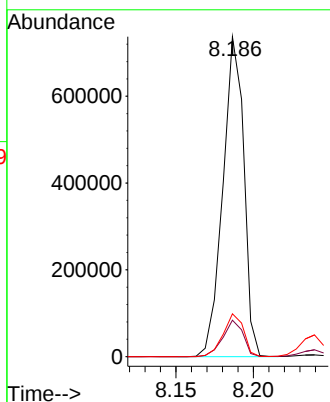
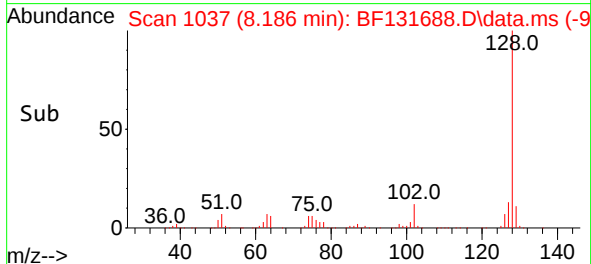
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MS



Tgt Ion:128 Resp: 69514
Ion Ratio Lower Upper
128 100
129 11.4 8.9 13.3
127 13.4 10.6 15.8

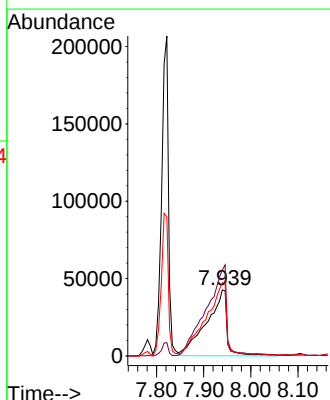
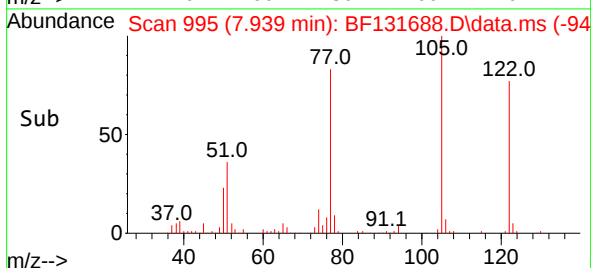
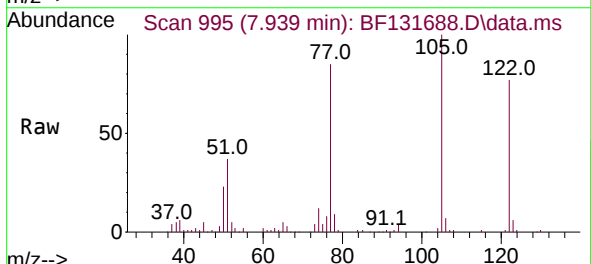
Manual Integrations
APPROVED

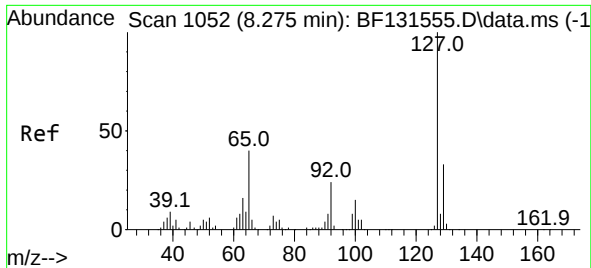
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#32
Benzoic acid
Concen: 48.749 ng m
RT: 7.939 min Scan# 995
Delta R.T. 0.012 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

Tgt Ion:122 Resp: 129431
Ion Ratio Lower Upper
122 100
105 130.2 119.8 159.8
77 110.9 97.6 137.6





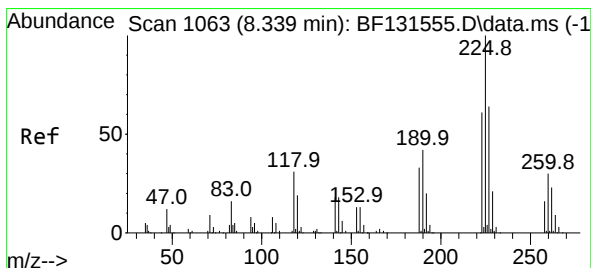
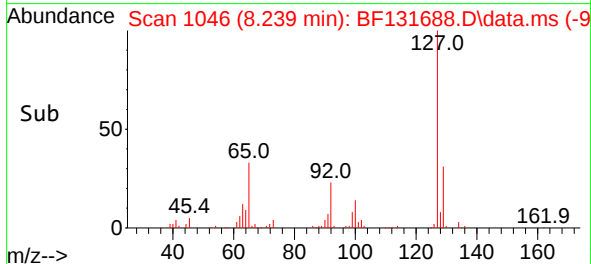
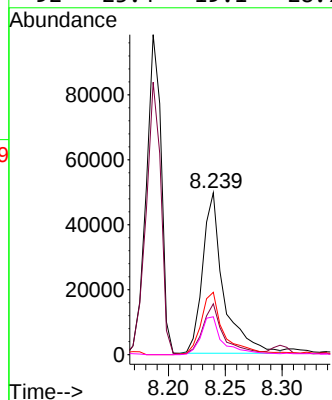
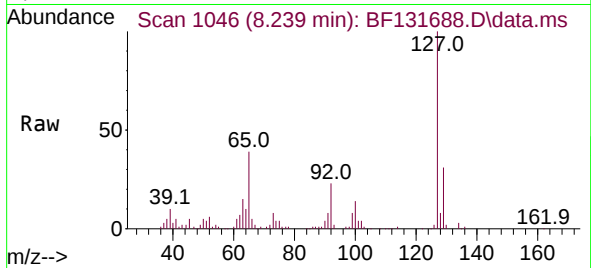
#33
4-Chloroaniline
Concen: 11.463 ng
RT: 8.239 min Scan# 1046
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MS

Tgt Ion:127	Resp: 63624
Ion Ratio	Lower Upper
127 100	
129 31.3	26.4 39.6
65 38.5	31.9 47.9
92 23.4	19.1 28.7

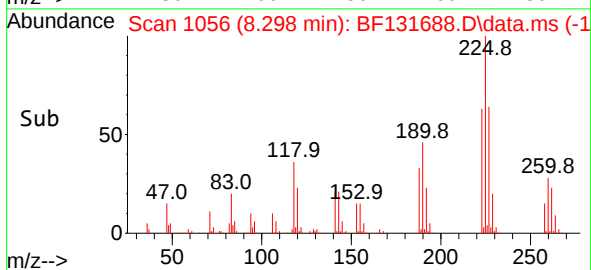
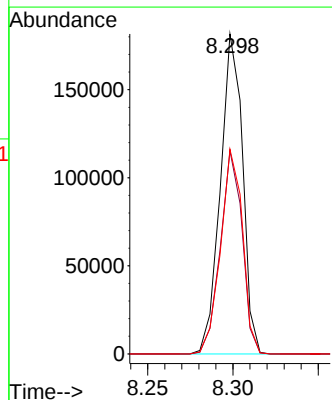
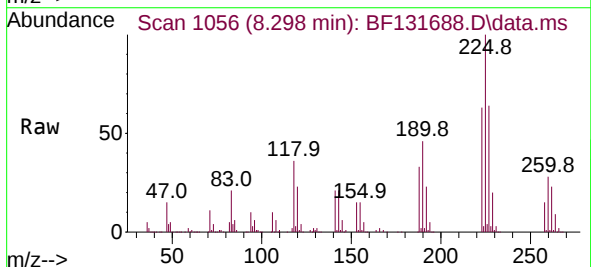
Manual Integrations
APPROVED

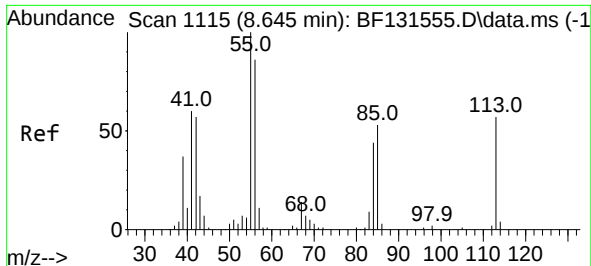
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#34
Hexachlorobutadiene
Concen: 41.970 ng
RT: 8.298 min Scan# 1056
Delta R.T. -0.006 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

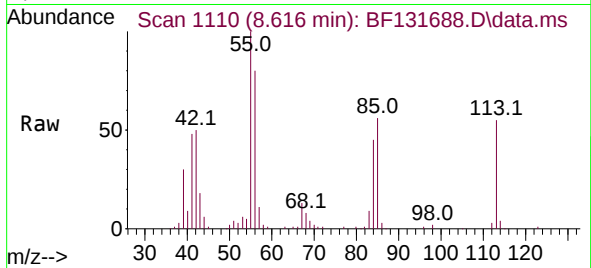
Tgt Ion:225	Resp: 164432
Ion Ratio	Lower Upper
225 100	
223 63.5	48.7 73.1
227 63.9	51.0 76.6





#35
Caprolactam
Concen: 40.764 ng m
RT: 8.616 min Scan# 1115
Delta R.T. 0.012 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

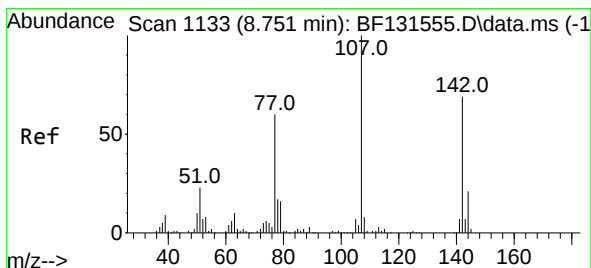
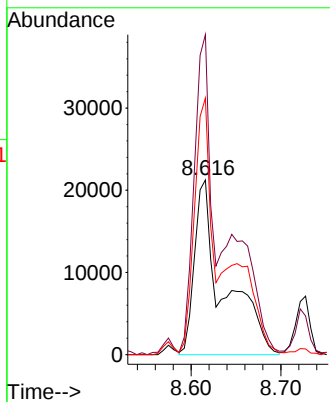
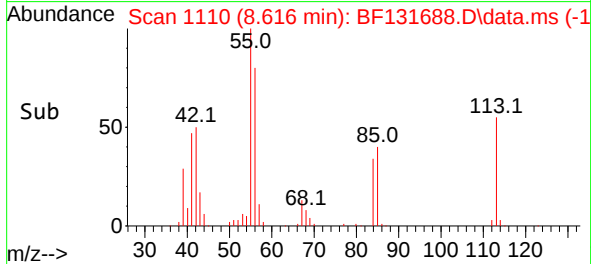
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MS



Tgt Ion:113 Resp: 47800
Ion Ratio Lower Upper
113 100
55 183.2 155.8 195.8
56 146.9 131.7 171.7

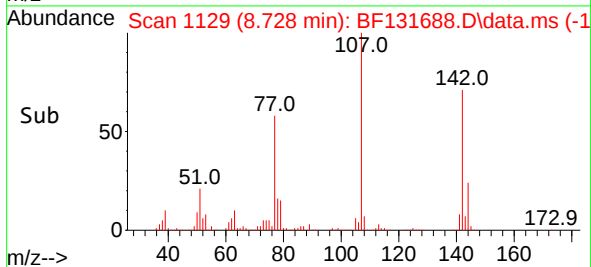
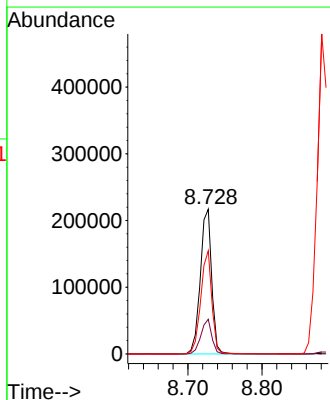
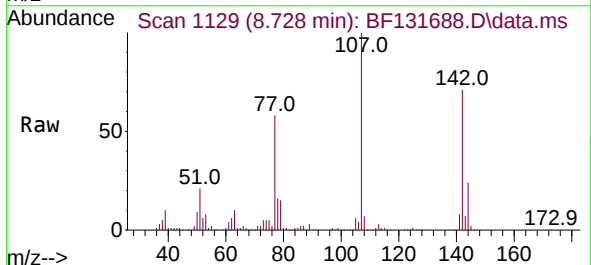
Manual Integrations
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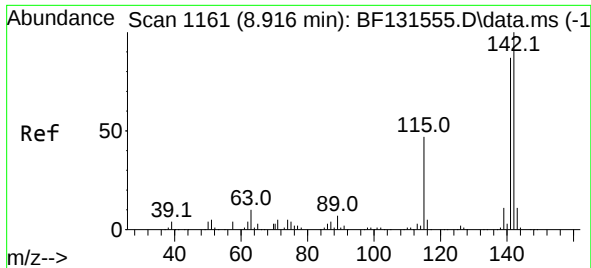
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#36
4-Chloro-3-methylphenol
Concen: 45.483 ng
RT: 8.728 min Scan# 1129
Delta R.T. 0.012 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

Tgt Ion:107 Resp: 231516
Ion Ratio Lower Upper
107 100
144 23.9 17.0 25.4
142 71.2 54.8 82.2





#37

2-Methylnaphthalene

Concen: 45.459 ng

RT: 8.881 min Scan# 1161

Delta R.T. 0.000 min

Lab File: BF131688.D

Acq: 19 Dec 2022 14:46

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20221214MS

Tgt Ion:142 Resp: 460365

Ion Ratio Lower Upper

142 100

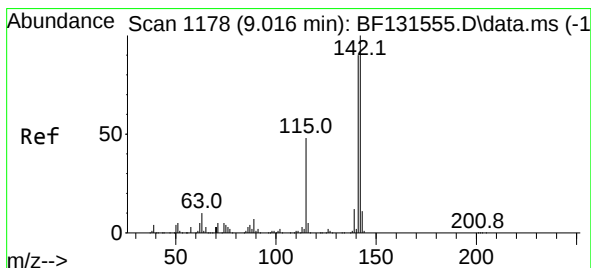
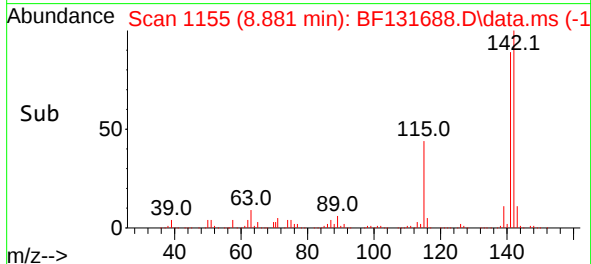
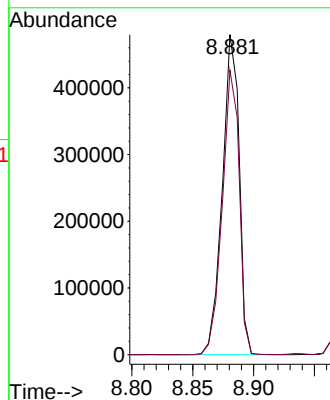
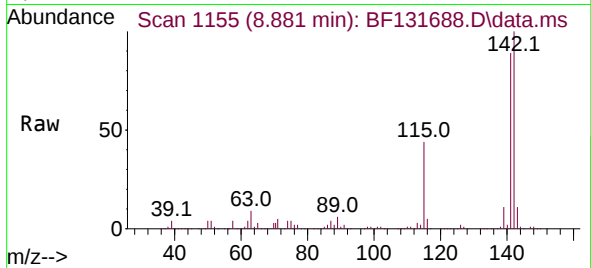
141 88.9 69.7 104.5

Manual Integrations

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Reviewed By :Christian Giraldo 12/20/2022

Supervised By :Jagrut Upadhyay 12/20/2022



#38

1-Methylnaphthalene

Concen: 44.116 ng

RT: 8.981 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF131688.D

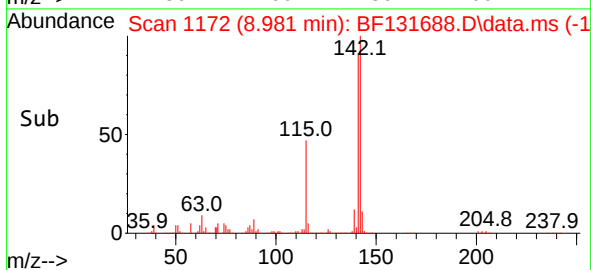
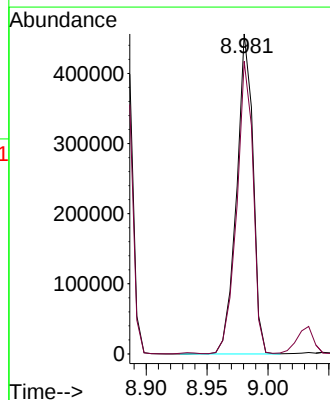
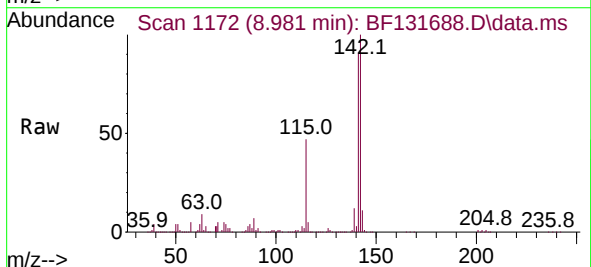
Acq: 19 Dec 2022 14:46

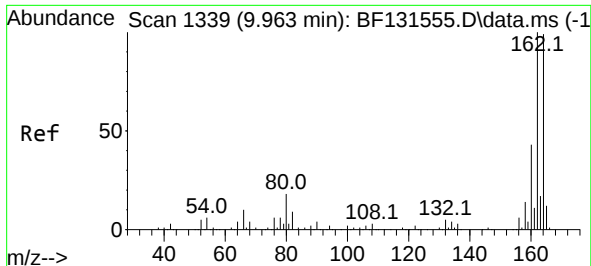
Tgt Ion:142 Resp: 428881

Ion Ratio Lower Upper

142 100

141 91.4 71.9 107.9





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 1339

Delta R.T. 0.000 min

Lab File: BF131688.D

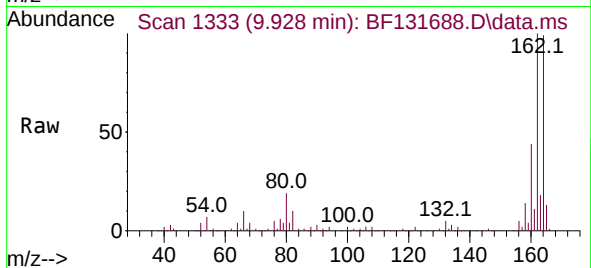
Acq: 19 Dec 2022 14:46

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20221214MS



Tgt Ion:164 Resp: 143190

Ion Ratio Lower Upper

164 100

162 100.8 81.0 121.6

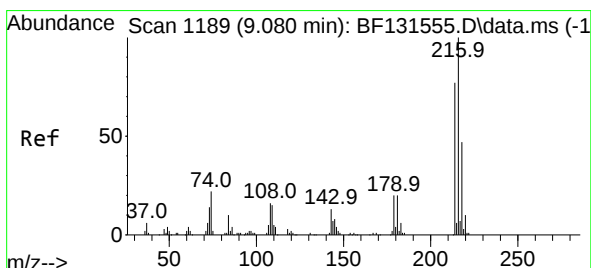
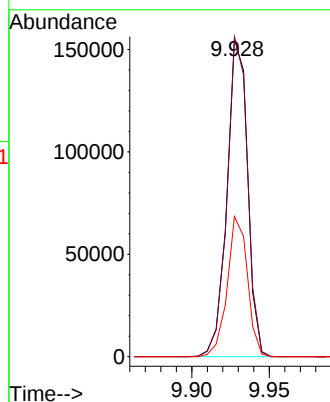
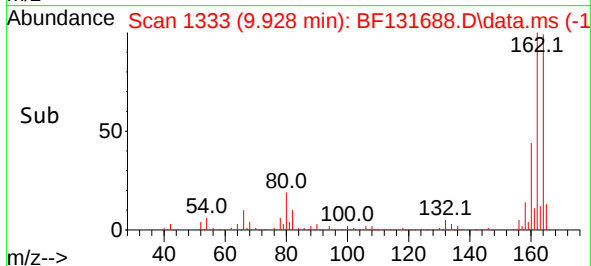
160 44.1 35.0 52.6

Manual Integrations

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Reviewed By :Christian Giraldo 12/20/2022

Supervised By :Jagrut Upadhyay 12/20/2022



#40

1,2,4,5-Tetrachlorobenzene

Concen: 50.249 ng

RT: 9.045 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF131688.D

Acq: 19 Dec 2022 14:46

Tgt Ion:216 Resp: 266352

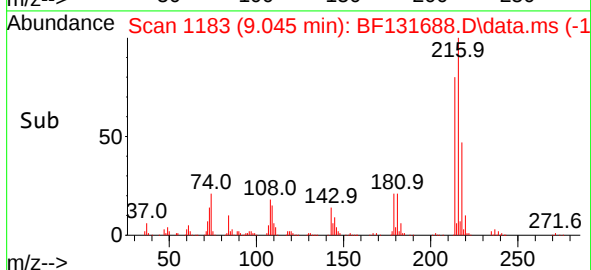
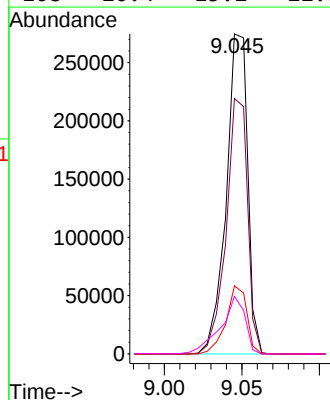
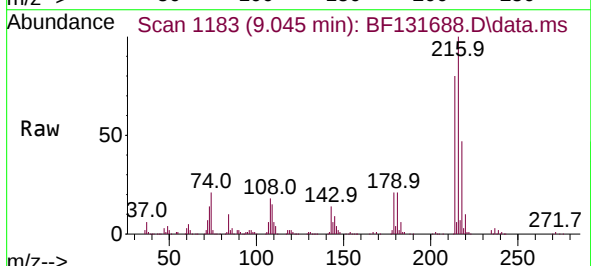
Ion Ratio Lower Upper

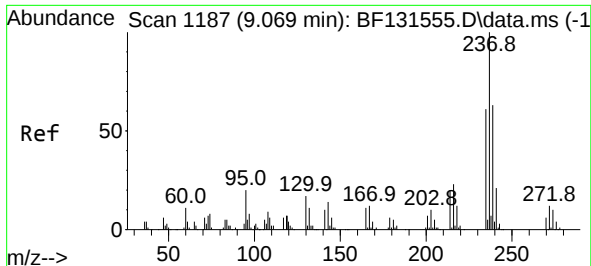
216 100

214 79.2 62.1 93.1

179 20.5 16.0 24.0

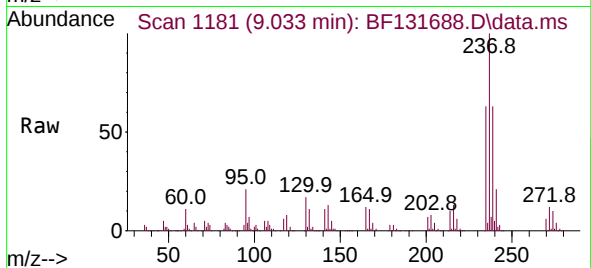
108 20.4 15.2 22.8





#41
Hexachlorocyclopentadiene
Concen: 117.248 ng
RT: 9.033 min Scan# 1187
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

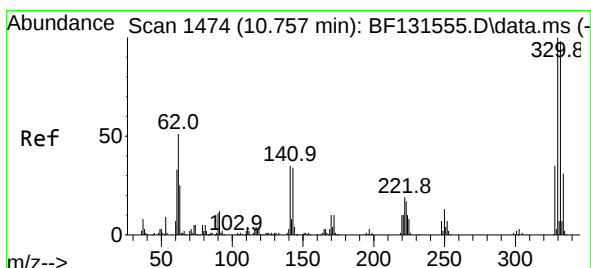
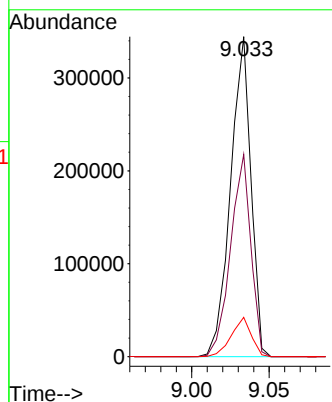
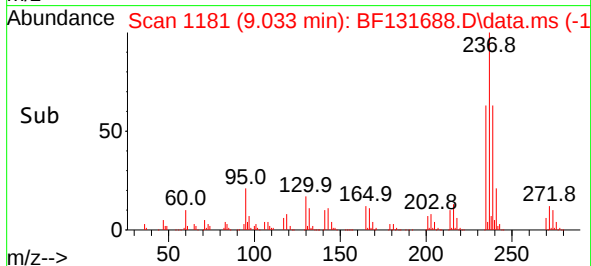
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MS



Tgt Ion: 237 Resp: 31544
Ion Ratio Lower Upper
237 100
235 63.2 40.6 80.6
272 12.3 0.0 32.2

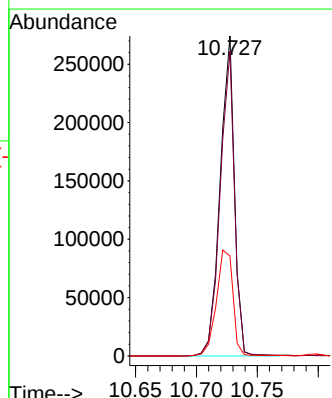
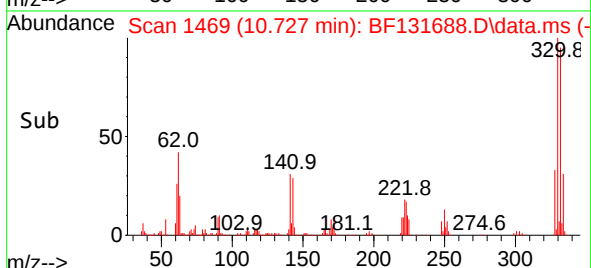
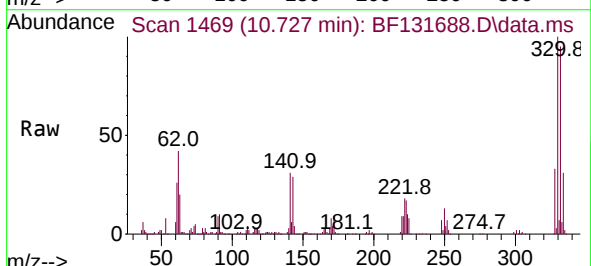
Manual Integrations
APPROVED

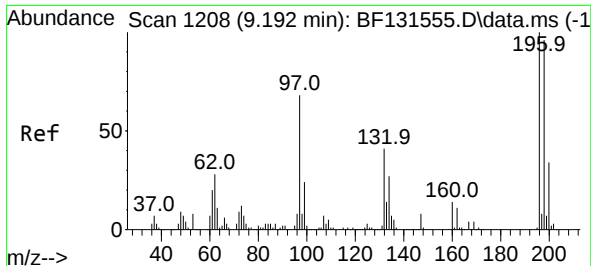
Reviewed By : Christian Giraldo 12/20/2022
Supervised By : Jagrut Upadhyay 12/20/2022



#42
2,4,6-Tribromophenol
Concen: 140.583 ng
RT: 10.727 min Scan# 1469
Delta R.T. 0.006 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

Tgt Ion: 330 Resp: 223652
Ion Ratio Lower Upper
330 100
332 95.4 78.3 117.5
141 38.4 32.6 49.0





#43

2,4,6-Trichlorophenol

Concen: 50.042 ng

RT: 9.163 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF131688.D

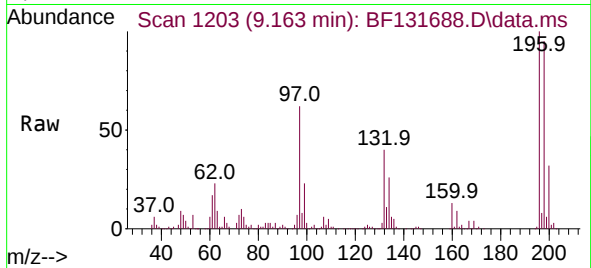
Acq: 19 Dec 2022 14:46

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20221214MS



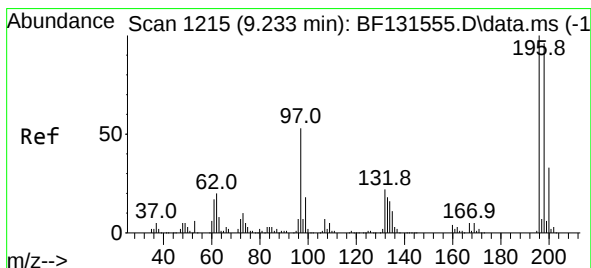
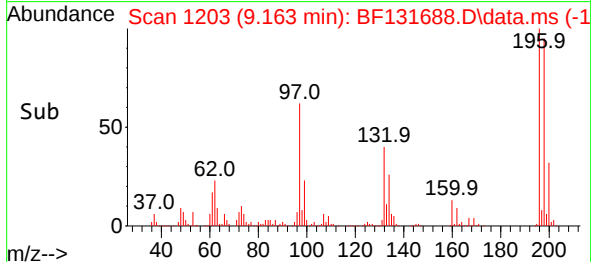
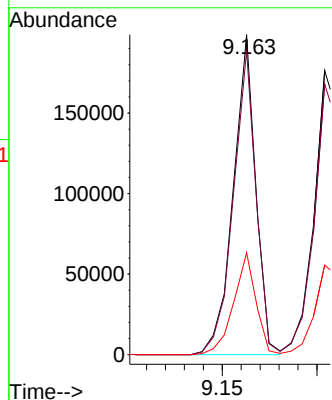
Tgt Ion:	196	Resp:	16406
Ion Ratio	Lower	Upper	
196	100		
198	95.0	76.9	115.3
200	31.9	26.9	40.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/20/2022

Supervised By :Jagrut Upadhyay 12/20/2022



#44

2,4,5-Trichlorophenol

Concen: 48.223 ng

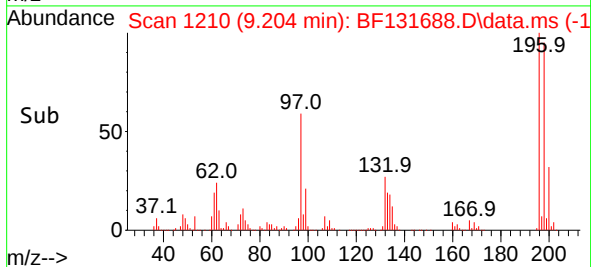
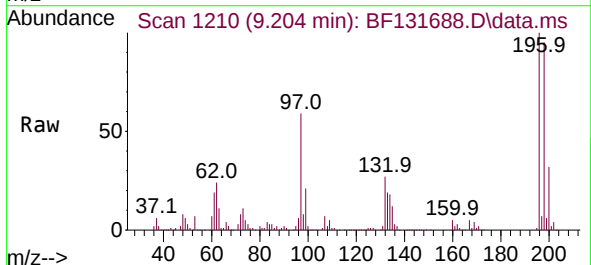
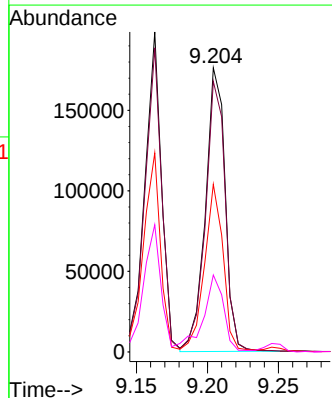
RT: 9.204 min Scan# 1210

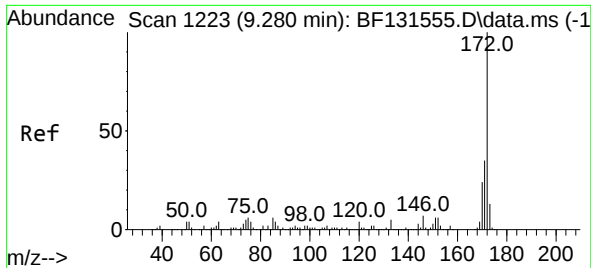
Delta R.T. 0.006 min

Lab File: BF131688.D

Acq: 19 Dec 2022 14:46

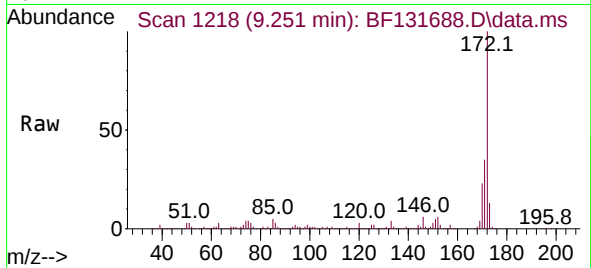
Tgt Ion:	196	Resp:	170030
Ion Ratio	Lower	Upper	
196	100		
198	95.2	77.2	115.8
97	59.0	42.2	63.2
132	27.0	18.0	27.0





#45
2-Fluorobiphenyl
Concen: 90.658 ng
RT: 9.251 min Scan# 1218
Delta R.T. 0.006 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

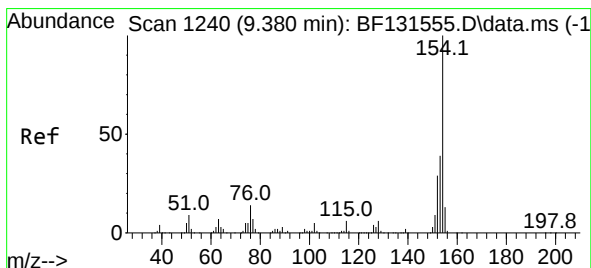
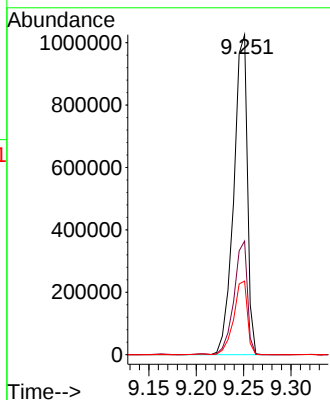
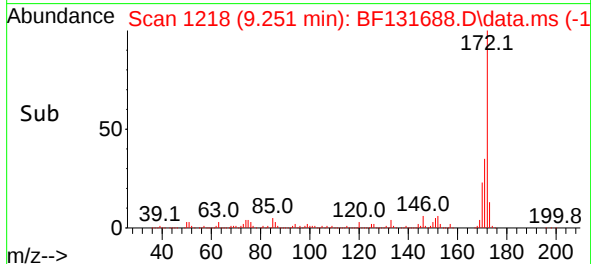
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MS



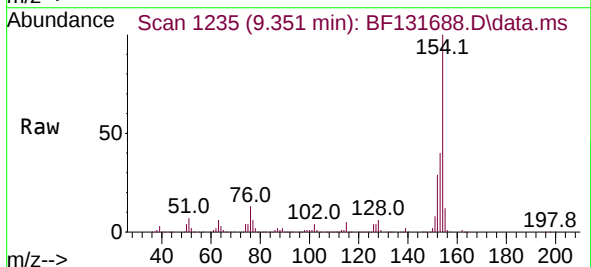
Tgt Ion:172 Resp: 102954
Ion Ratio Lower Upper
172 100
171 35.5 28.3 42.5
170 23.0 19.3 28.9

Manual Integrations
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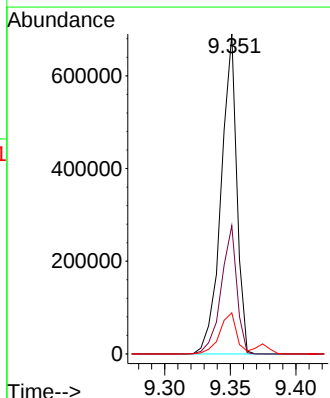
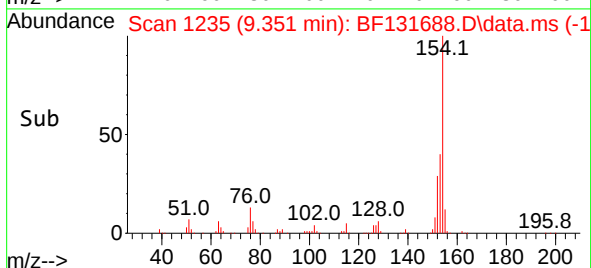
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022

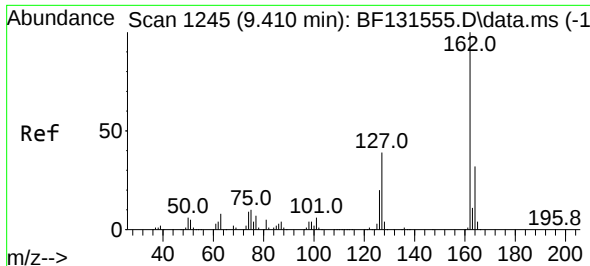


#46
1,1'-Biphenyl
Concen: 50.810 ng
RT: 9.351 min Scan# 1235
Delta R.T. 0.006 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46



Tgt Ion:154 Resp: 575234
Ion Ratio Lower Upper
154 100
153 40.1 19.4 59.4
76 12.8 0.0 34.0





#47

2-Chloronaphthalene

Concen: 49.317 ng

RT: 9.375 min Scan# 1239

Delta R.T. 0.000 min

Lab File: BF131688.D

Acq: 19 Dec 2022 14:46

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20221214MS

Tgt Ion:162 Resp: 454899

Ion Ratio Lower Upper

162 100

127 40.0 31.4 47.2

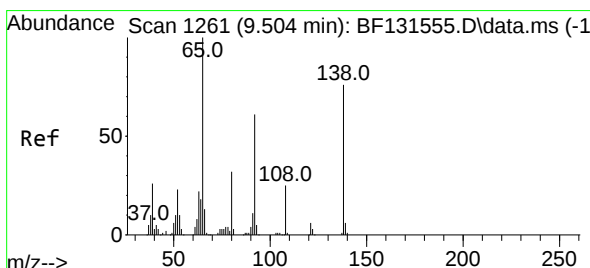
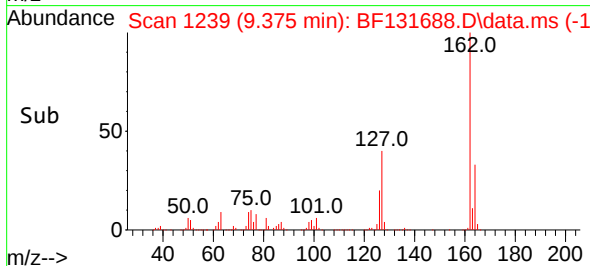
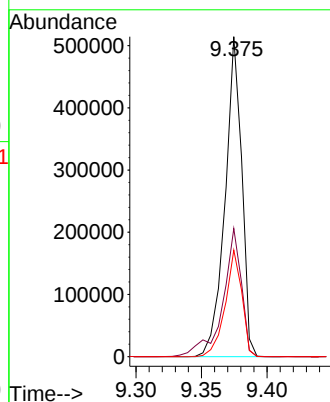
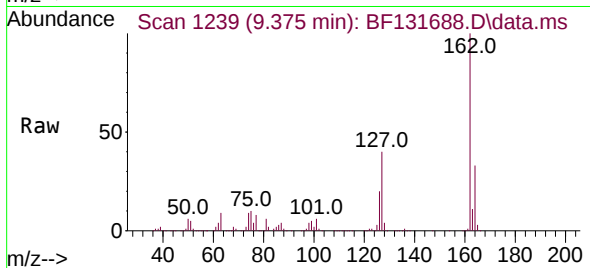
164 33.3 25.8 38.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/20/2022

Supervised By :Jagrut Upadhyay 12/20/2022



#48

2-Nitroaniline

Concen: 46.233 ng

RT: 9.475 min Scan# 1256

Delta R.T. 0.006 min

Lab File: BF131688.D

Acq: 19 Dec 2022 14:46

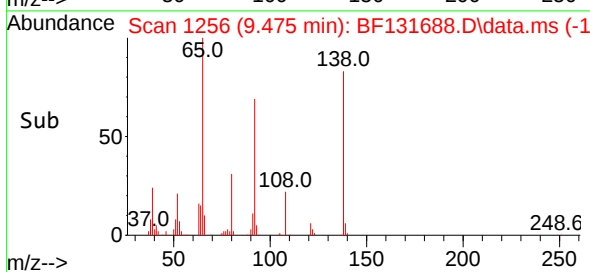
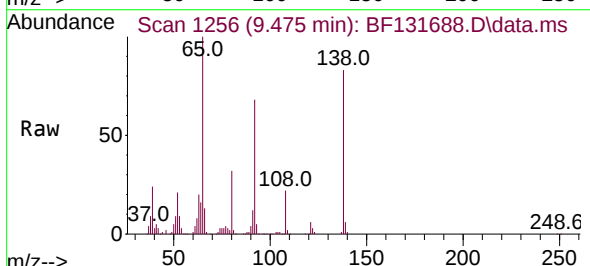
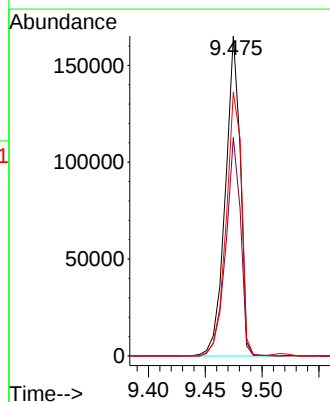
Tgt Ion: 65 Resp: 151066

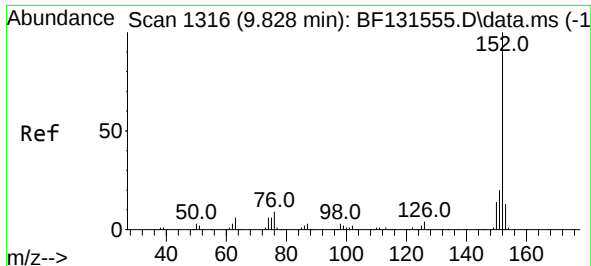
Ion Ratio Lower Upper

65 100

92 68.2 49.2 73.8

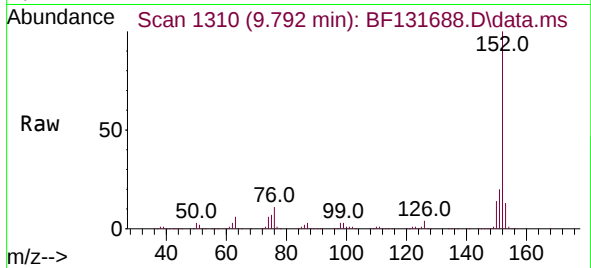
138 82.5 60.7 91.1





#49
Acenaphthylene
Concen: 49.584 ng
RT: 9.792 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

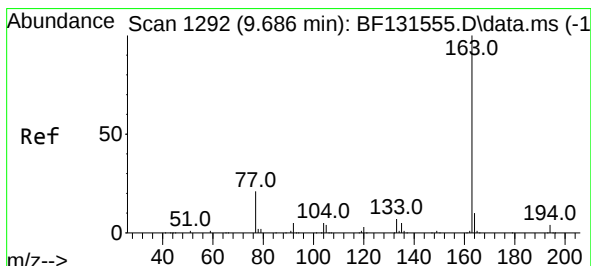
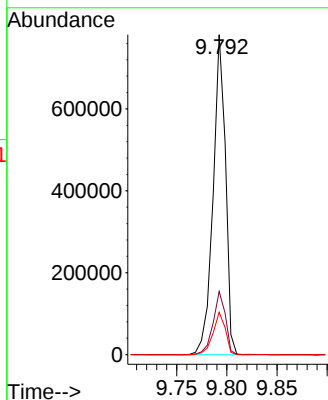
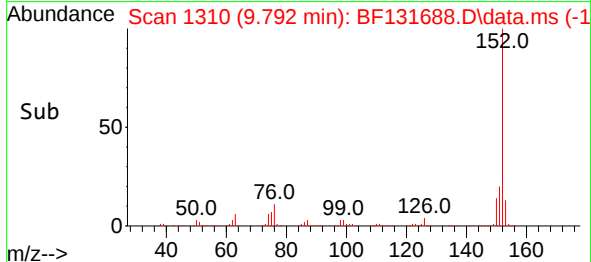
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MS



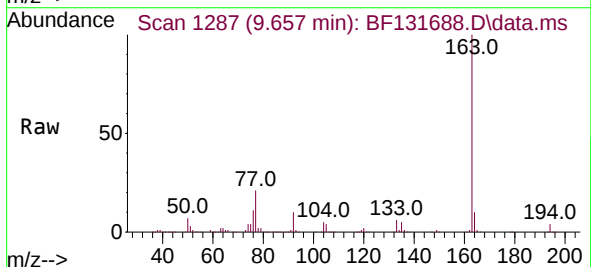
Tgt Ion:152 Resp: 671545
Ion Ratio Lower Upper
152 100
151 19.7 15.6 23.4
153 13.2 10.4 15.6

Manual Integrations
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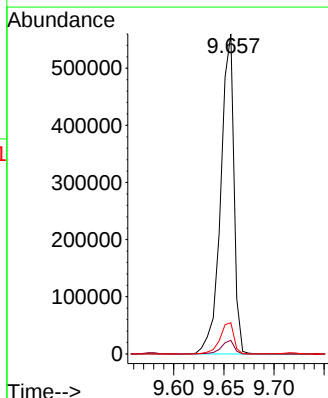
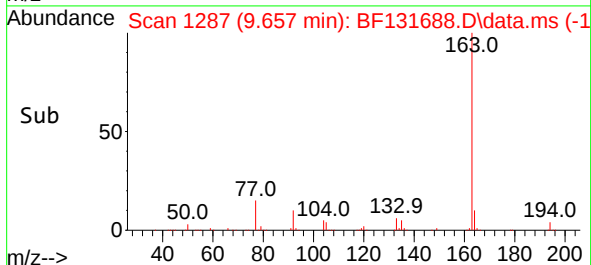
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022

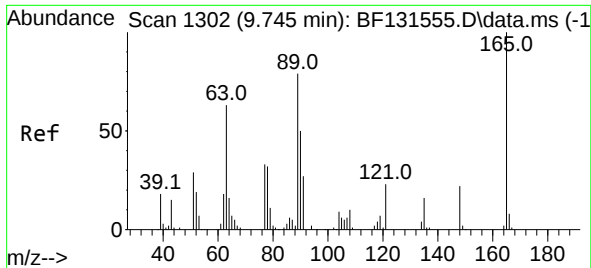


#50
Dimethylphthalate
Concen: 47.258 ng
RT: 9.657 min Scan# 1287
Delta R.T. 0.012 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46



Tgt Ion:163 Resp: 515847
Ion Ratio Lower Upper
163 100
194 4.2 3.1 4.7
164 9.7 7.8 11.6





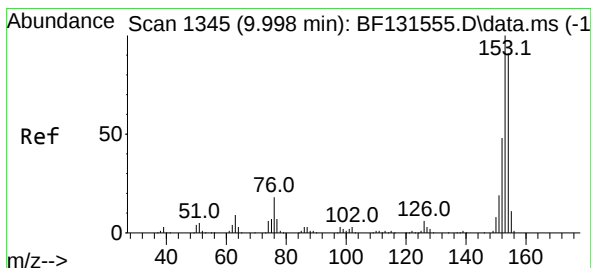
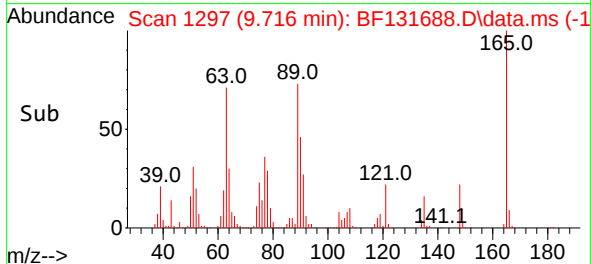
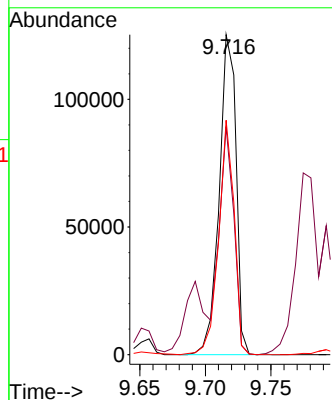
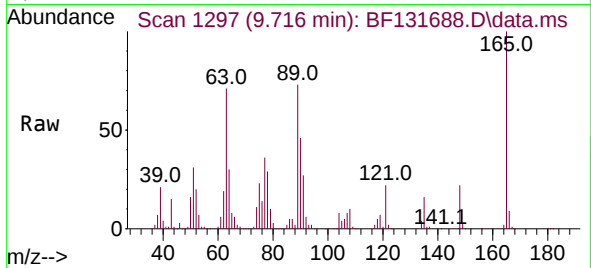
#51
2,6-Dinitrotoluene
Concen: 49.738 ng
RT: 9.716 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MS

Tgt Ion:165 Resp: 112083
Ion Ratio Lower Upper
165 100
63 71.2 67.9 101.9
89 73.2 63.2 94.8

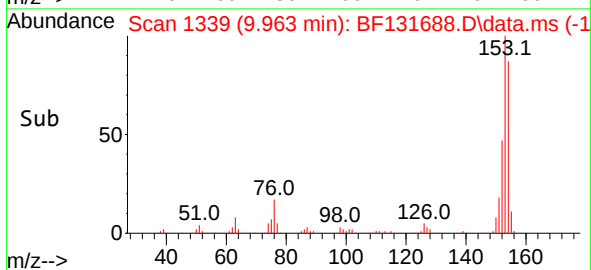
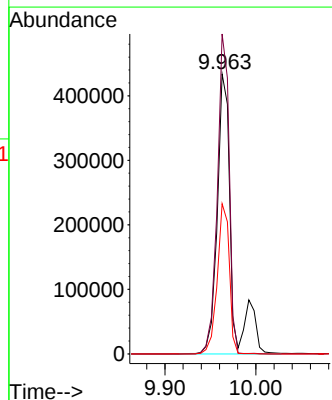
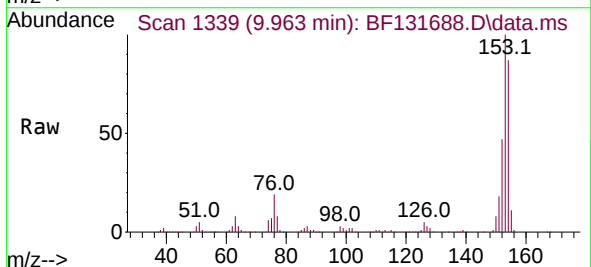
Manual Integrations
APPROVED

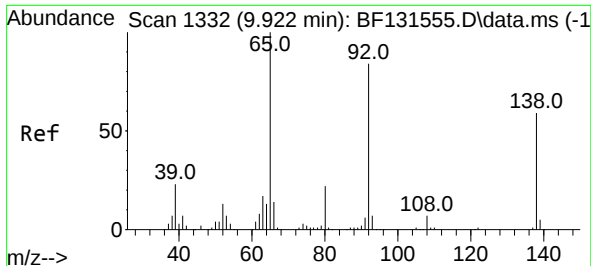
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#52
Acenaphthene
Concen: 52.024 ng m
RT: 9.963 min Scan# 1339
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

Tgt Ion:154 Resp: 472012
Ion Ratio Lower Upper
154 100
153 114.3 87.9 131.9
152 53.6 42.4 63.6





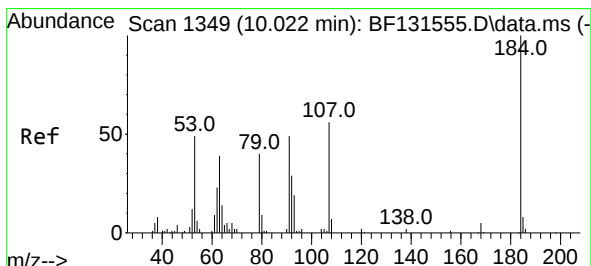
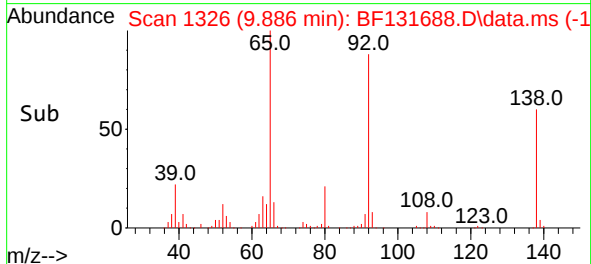
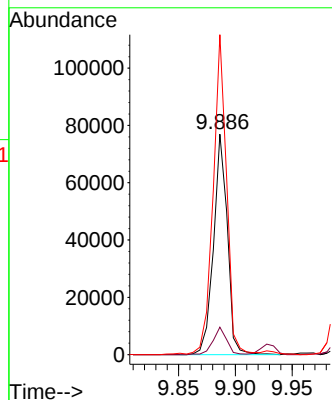
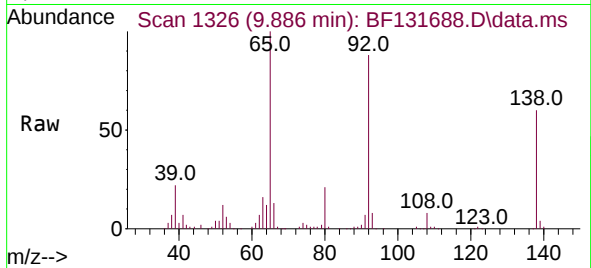
#53
3-Nitroaniline
Concen: 30.145 ng
RT: 9.886 min Scan# 1332
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MS

Tgt Ion:138 Resp: 65172
Ion Ratio Lower Upper
138 100
108 12.4 9.6 14.4
92 145.2 113.4 170.0

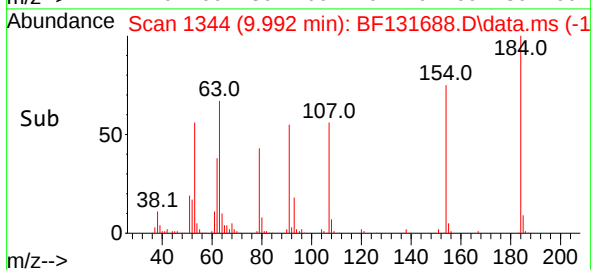
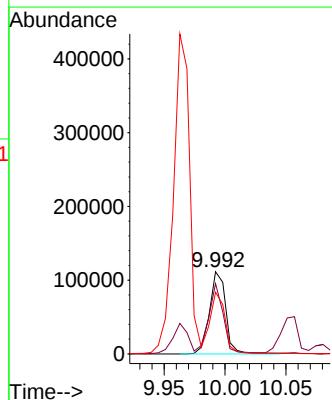
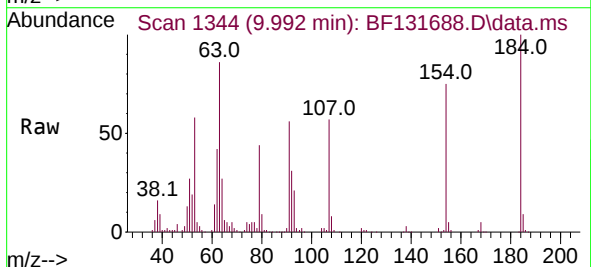
Manual Integrations
APPROVED

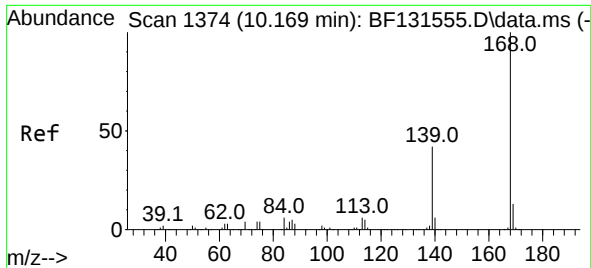
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#54
2,4-Dinitrophenol
Concen: 80.584 ng
RT: 9.992 min Scan# 1344
Delta R.T. 0.006 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

Tgt Ion:184 Resp: 103994
Ion Ratio Lower Upper
184 100
63 85.6 60.7 91.1
154 75.1 59.0 88.6





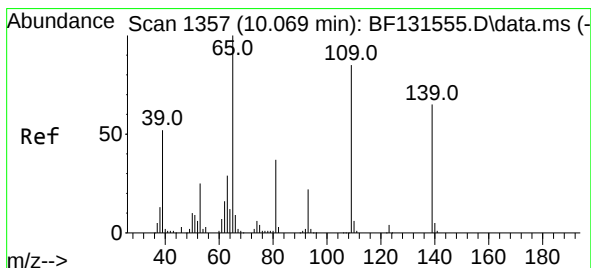
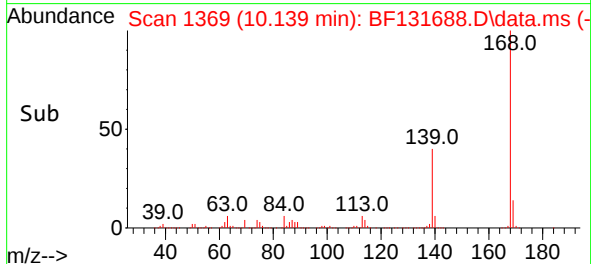
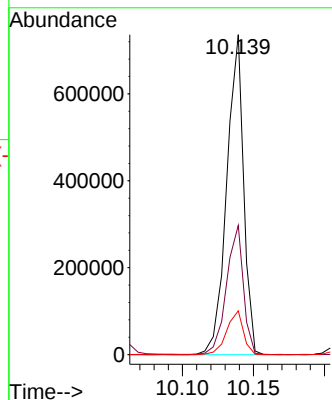
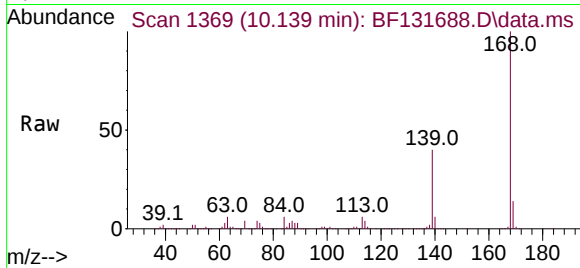
#55
Dibenzenofuran
Concen: 47.559 ng
RT: 10.139 min Scan# 1369
Delta R.T. 0.006 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MS

Tgt Ion:168 Resp: 609689
Ion Ratio Lower Upper
168 100
139 40.4 33.9 50.9
169 13.7 10.7 16.1

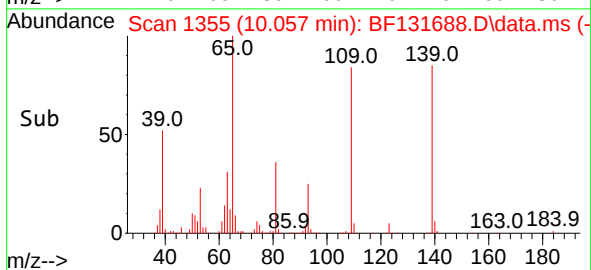
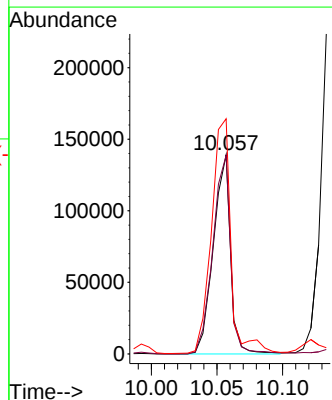
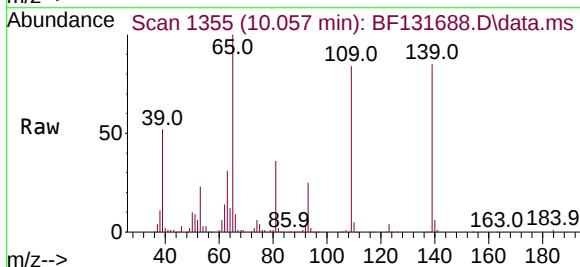
Manual Integrations
APPROVED

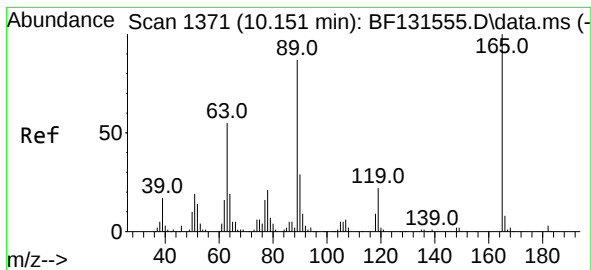
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#56
4-Nitrophenol
Concen: 84.444 ng
RT: 10.057 min Scan# 1355
Delta R.T. 0.018 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

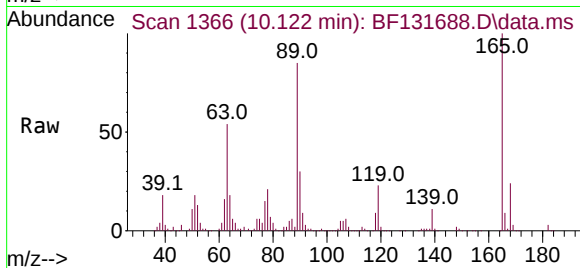
Tgt Ion:139 Resp: 126835
Ion Ratio Lower Upper
139 100
109 99.8 110.2 150.2#
65 118.2 133.3 173.3#





#57
2,4-Dinitrotoluene
Concen: 47.937 ng
RT: 10.122 min Scan# 1366
Delta R.T. 0.006 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

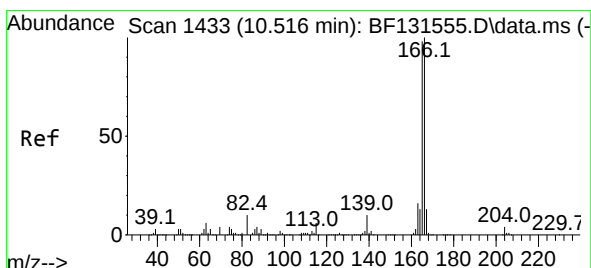
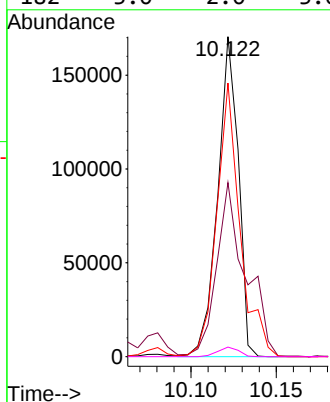
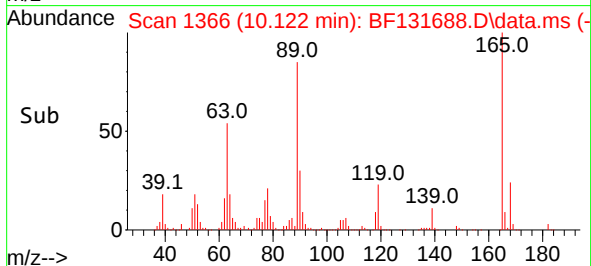
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MS



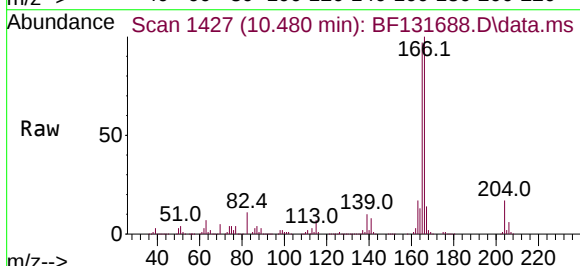
Tgt Ion:165 Resp: 143300
Ion Ratio Lower Upper
165 100
63 54.4 44.4 66.6
89 85.5 69.6 104.4
182 3.0 2.0 3.0

Manual Integrations
APPROVED

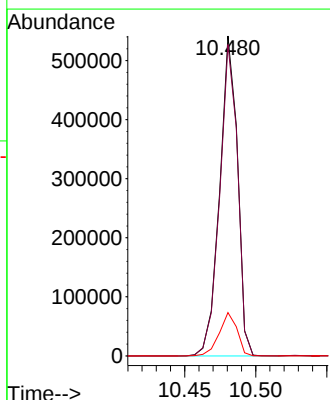
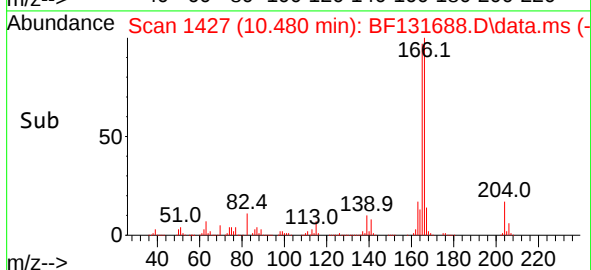
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022

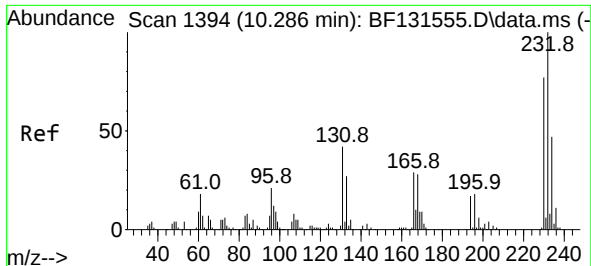


#58
Fluorene
Concen: 45.516 ng
RT: 10.480 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46



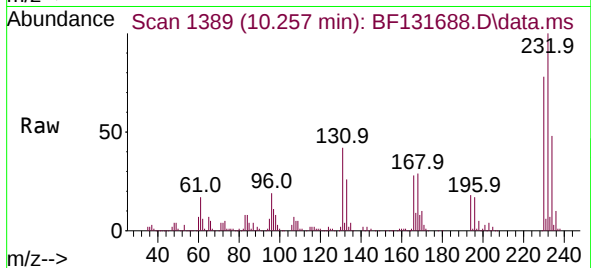
Tgt Ion:166 Resp: 474364
Ion Ratio Lower Upper
166 100
165 97.3 78.4 117.6
167 13.5 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 44.089 ng m
RT: 10.257 min Scan# 131
Delta R.T. 0.006 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

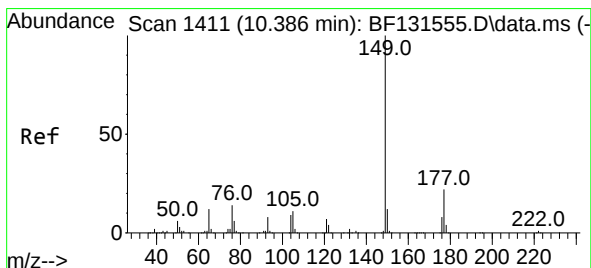
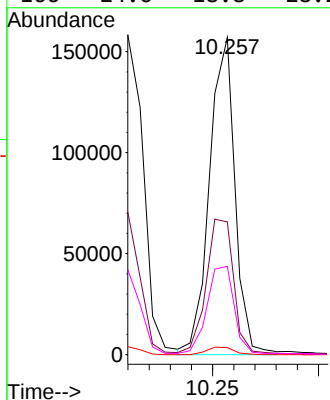
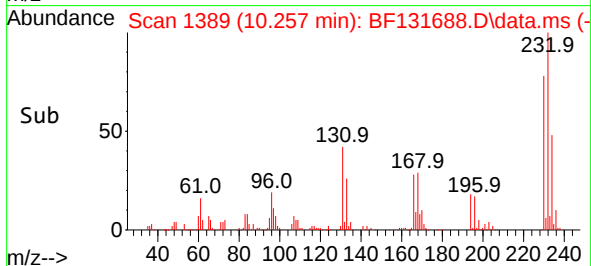
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MS



Tgt Ion:232 Resp: 131640
Ion Ratio Lower Upper
232 100
131 41.0 31.0 46.6
130 2.4 1.8 2.8
166 24.6 18.8 28.2

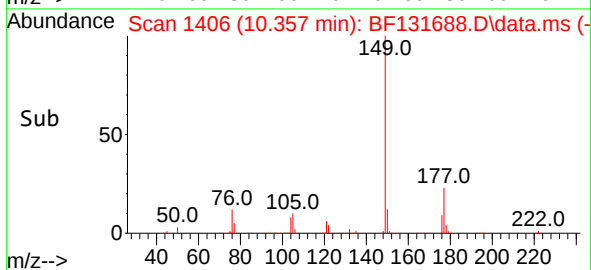
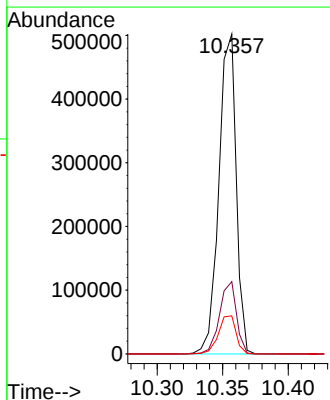
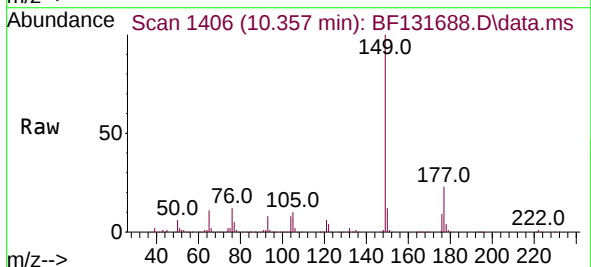
Manual Integrations
APPROVED

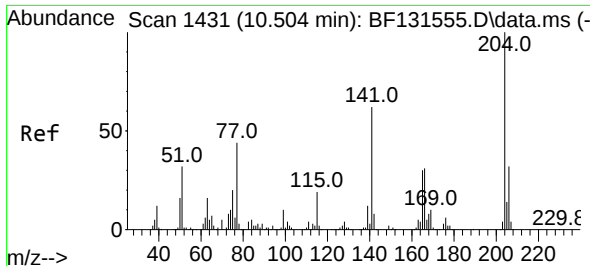
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#60
Diethylphthalate
Concen: 44.214 ng
RT: 10.357 min Scan# 1406
Delta R.T. 0.006 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

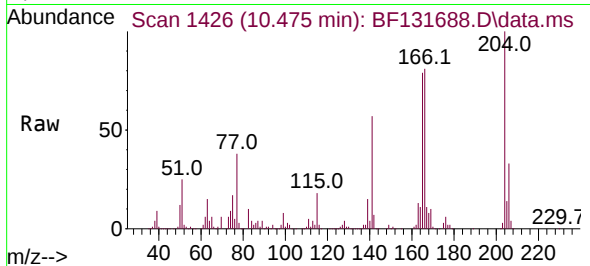
Tgt Ion:149 Resp: 463138
Ion Ratio Lower Upper
149 100
177 22.6 17.4 26.2
150 11.9 9.7 14.5





#61
4-Chlorophenyl-phenylether
Concen: 45.201 ng
RT: 10.475 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

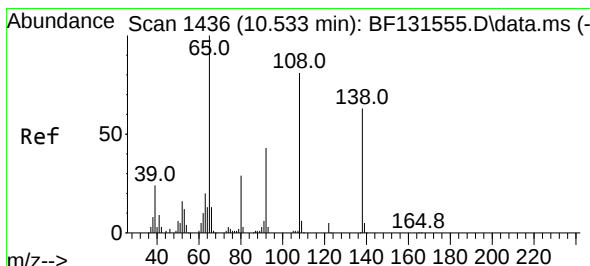
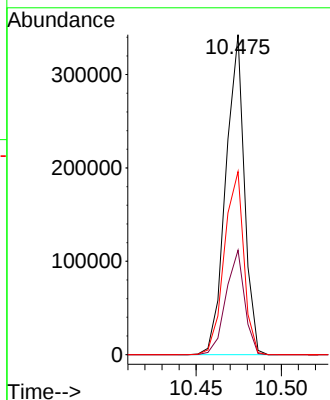
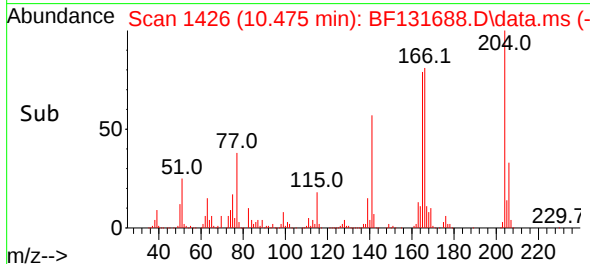
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MS



Tgt Ion:204 Resp: 260328
Ion Ratio Lower Upper
204 100
206 32.6 25.4 38.2
141 57.2 49.5 74.3

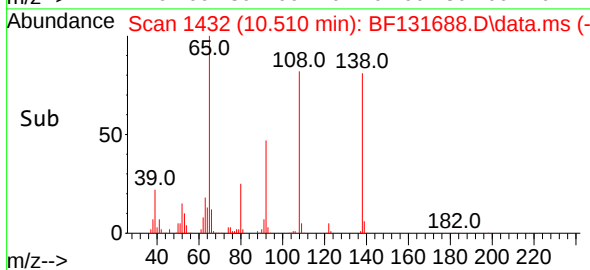
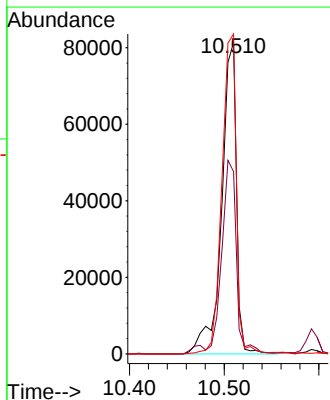
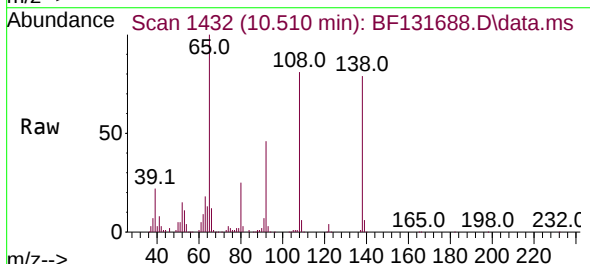
Manual Integrations
APPROVED

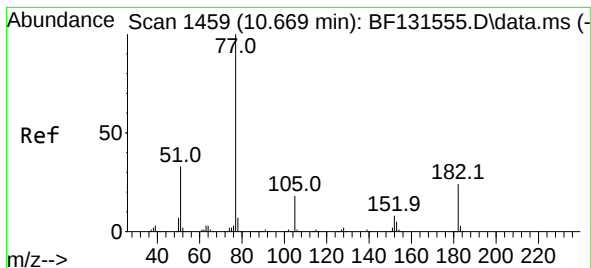
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#62
4-Nitroaniline
Concen: 41.280 ng
RT: 10.510 min Scan# 1432
Delta R.T. 0.012 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

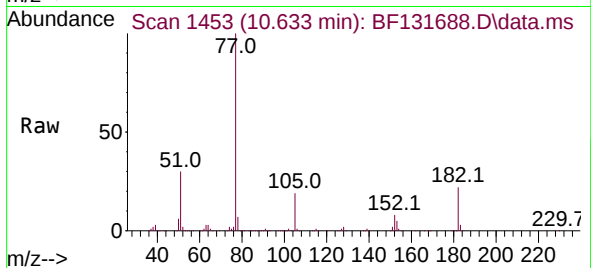
Tgt Ion:138 Resp: 88445
Ion Ratio Lower Upper
138 100
92 58.6 47.5 87.5
108 102.8 108.8 148.8#





#63
Azobenzene
Concen: 43.635 ng
RT: 10.633 min Scan# 1459
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

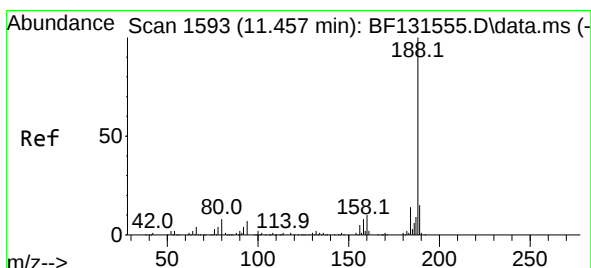
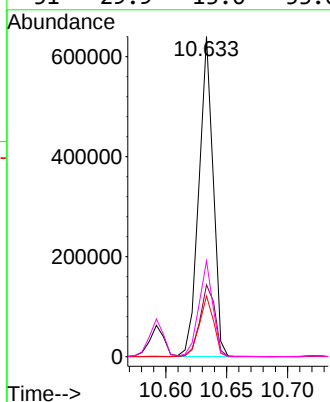
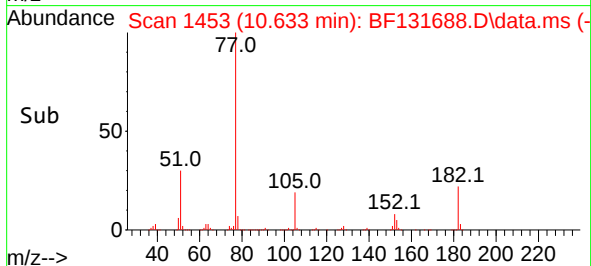
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MS



Tgt Ion: 77 Resp: 521324
Ion Ratio Lower Upper
77 100
182 22.4 3.9 43.9
105 19.0 0.0 38.3
51 29.9 13.0 53.0

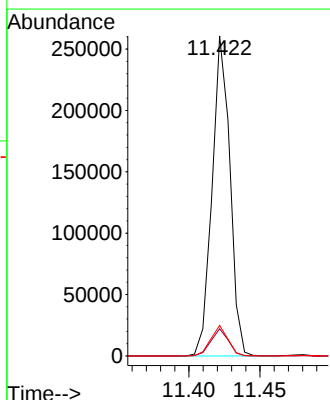
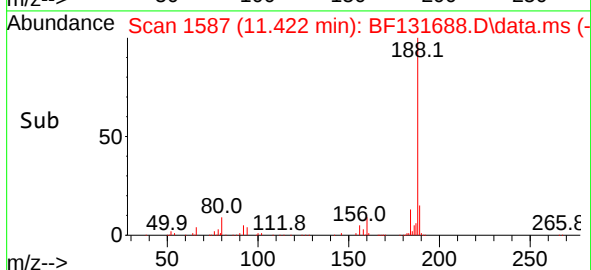
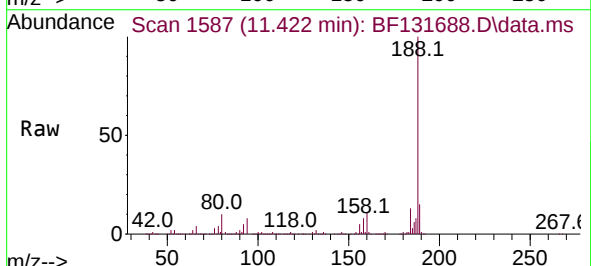
Manual Integrations
APPROVED

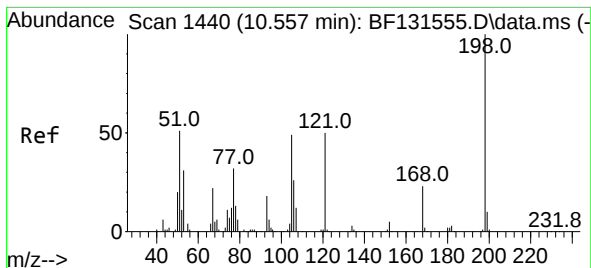
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

Tgt Ion:188 Resp: 228142
Ion Ratio Lower Upper
188 100
94 8.5 5.5 8.3#
80 9.5 6.6 10.0





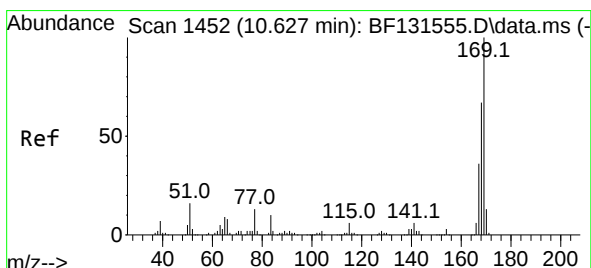
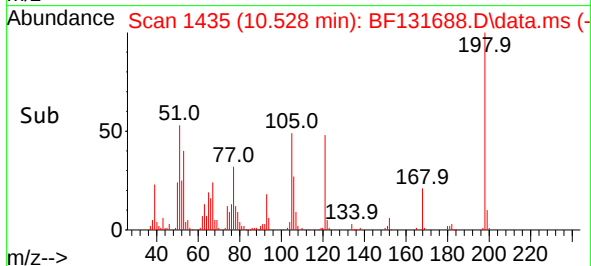
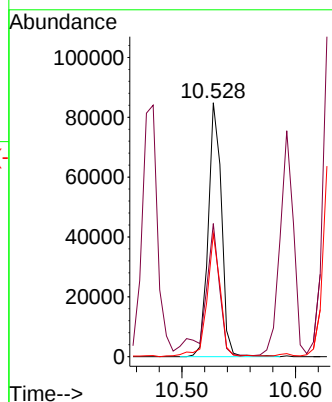
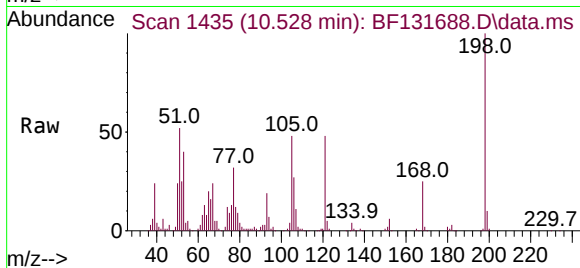
#65
4,6-Dinitro-2-methylphenol
Concen: 47.529 ng
RT: 10.528 min Scan# 1440
Delta R.T. 0.006 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MS

Tgt Ion:198 Resp: 68679
Ion Ratio Lower Upper
198 100
51 52.4 36.7 76.7
105 48.4 29.9 69.9

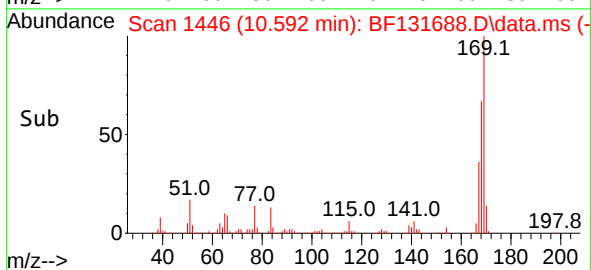
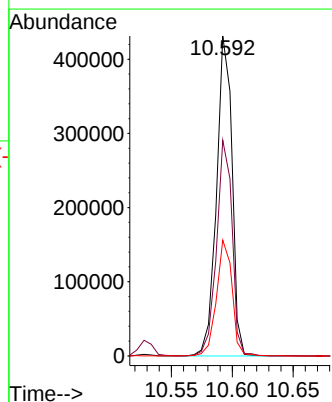
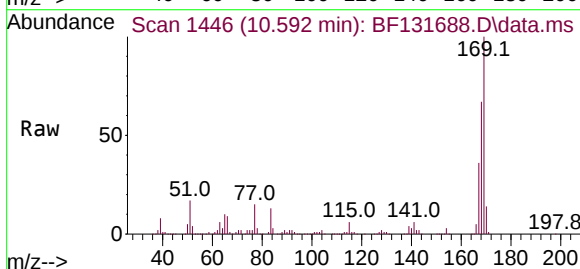
Manual Integrations
APPROVED

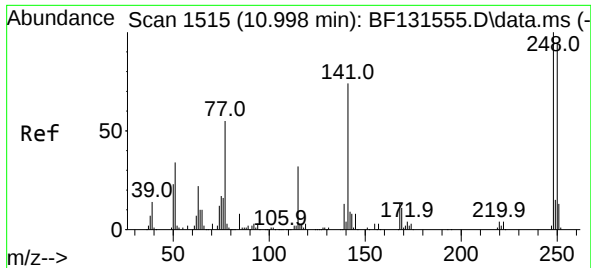
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#66
n-Nitrosodiphenylamine
Concen: 51.811 ng
RT: 10.592 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

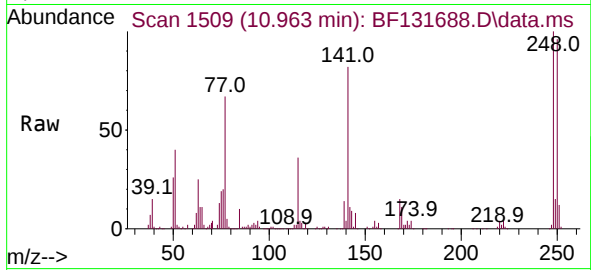
Tgt Ion:169 Resp: 382136
Ion Ratio Lower Upper
169 100
168 67.4 53.8 80.6
167 36.2 29.1 43.7





#67
4-Bromophenyl-phenylether
Concen: 50.463 ng
RT: 10.963 min Scan# 1509
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

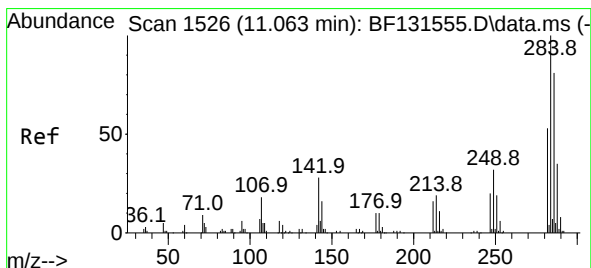
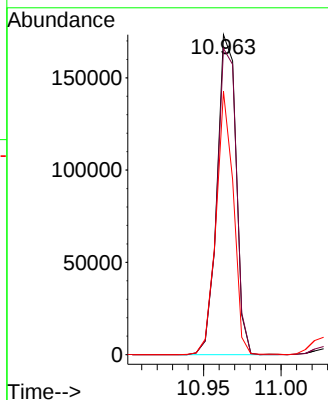
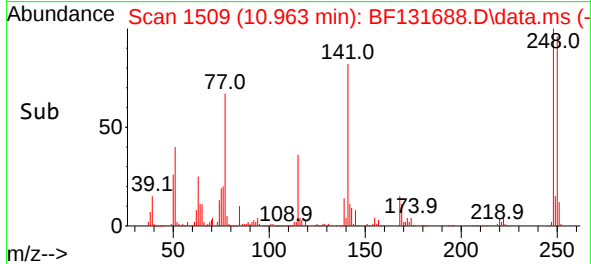
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MS



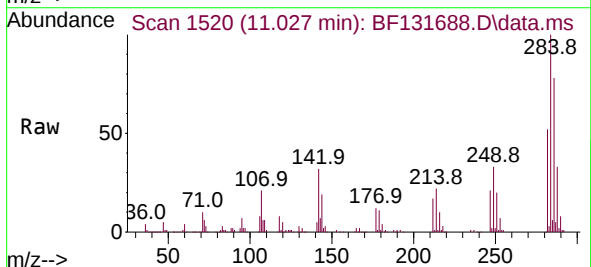
Tgt Ion:248 Resp: 148104
Ion Ratio Lower Upper
248 100
250 95.7 76.2 114.2
141 82.2 59.5 89.3

Manual Integrations
APPROVED

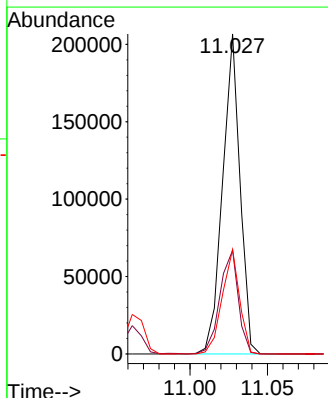
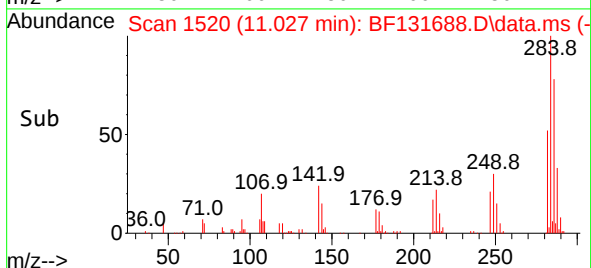
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022

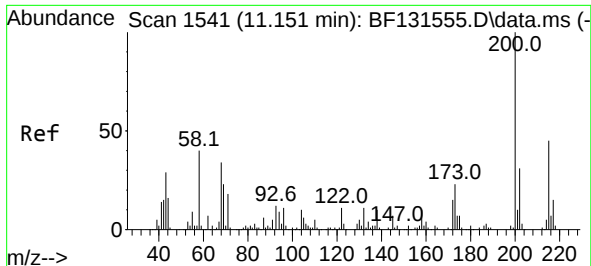


#68
Hexachlorobenzene
Concen: 50.873 ng
RT: 11.027 min Scan# 1520
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46



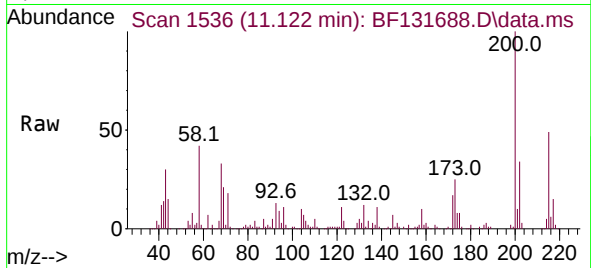
Tgt Ion:284 Resp: 161500
Ion Ratio Lower Upper
284 100
142 32.4 22.3 33.5
249 32.6 25.4 38.2





#69
 Atrazine
 Concen: 46.182 ng
 RT: 11.122 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF131688.D
 Acq: 19 Dec 2022 14:46

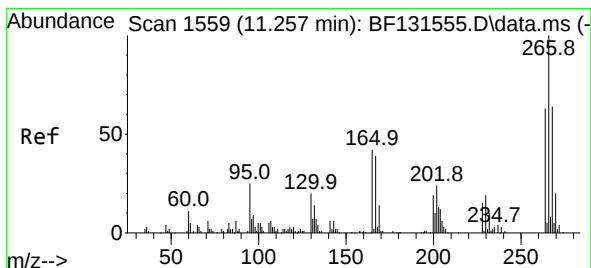
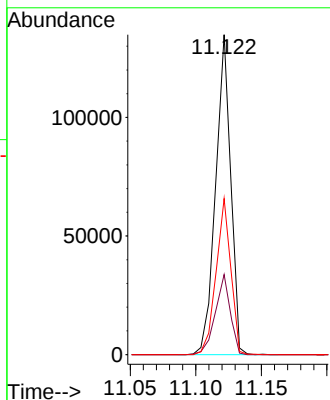
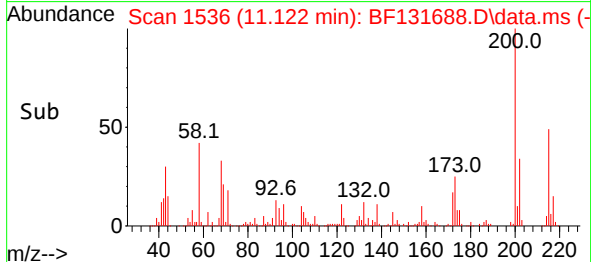
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20221214MS



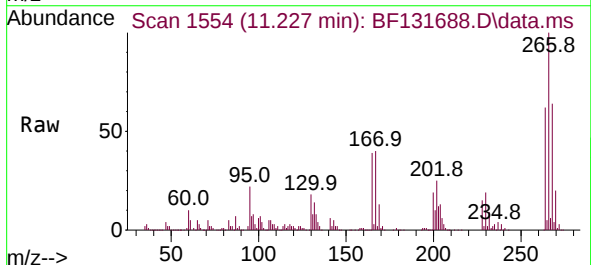
Tgt Ion:200 Resp: 108162
 Ion Ratio Lower Upper
 200 100
 173 25.0 3.4 43.4
 215 48.8 25.0 65.0

Manual Integrations
 APPROVED

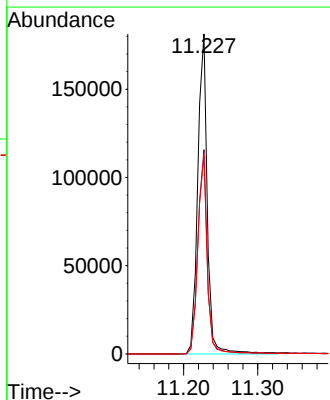
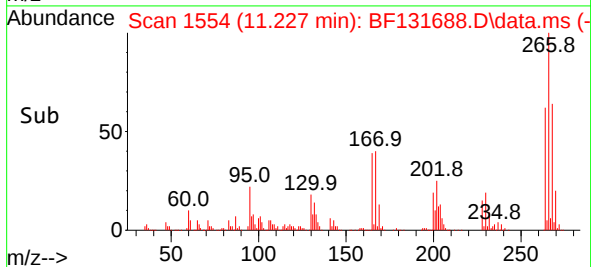
Reviewed By :Christian Giraldo 12/20/2022
 Supervised By :Jagrut Upadhyay 12/20/2022

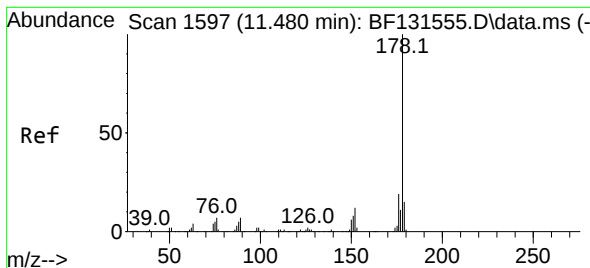


#70
 Pentachlorophenol
 Concen: 99.340 ng
 RT: 11.227 min Scan# 1554
 Delta R.T. 0.006 min
 Lab File: BF131688.D
 Acq: 19 Dec 2022 14:46



Tgt Ion:266 Resp: 162350
 Ion Ratio Lower Upper
 266 100
 268 63.8 51.5 77.3
 264 62.0 50.7 76.1





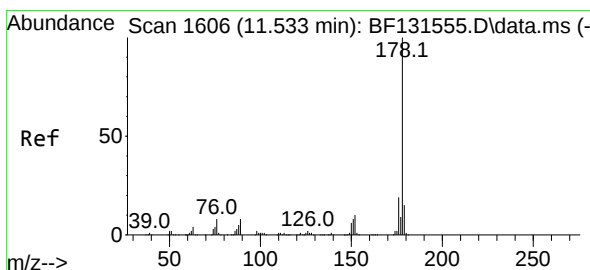
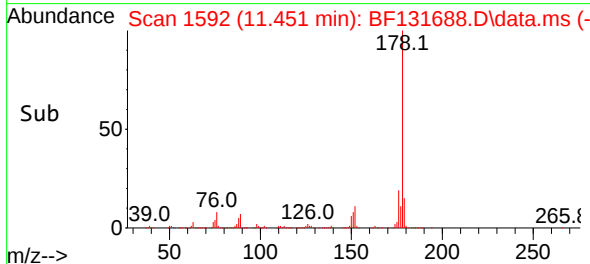
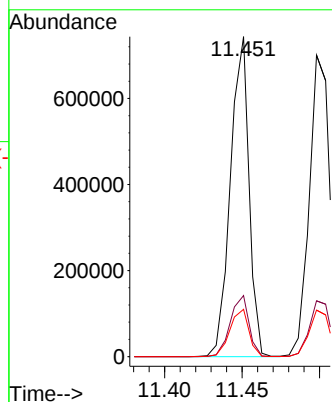
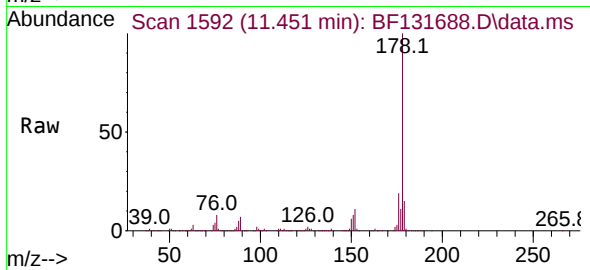
#71
Phenanthrene
Concen: 48.786 ng
RT: 11.451 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MS

Tgt Ion:178 Resp: 620379
Ion Ratio Lower Upper
178 100
176 19.1 15.4 23.0
179 14.8 12.2 18.4

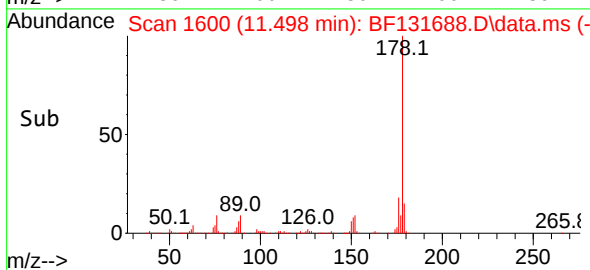
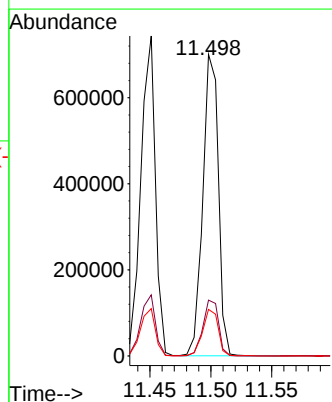
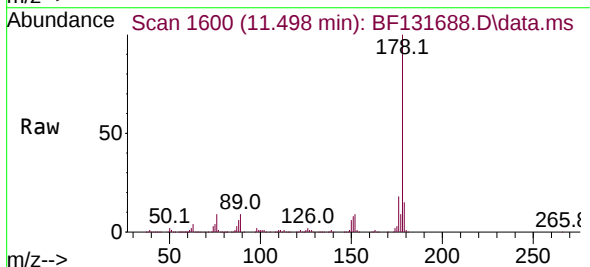
Manual Integrations
APPROVED

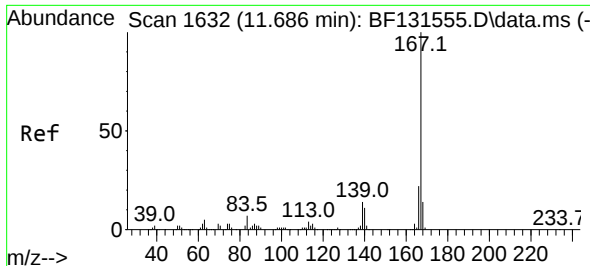
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#72
Anthracene
Concen: 50.513 ng
RT: 11.498 min Scan# 1600
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

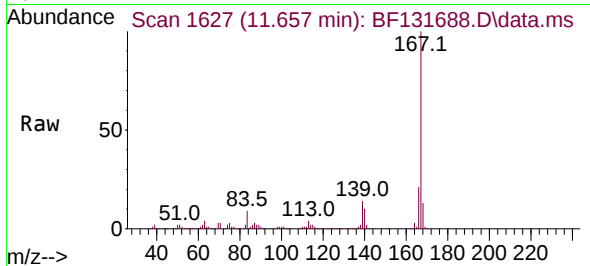
Tgt Ion:178 Resp: 624937
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.6
179 15.4 12.3 18.5





#73
 Carbazole
 Concen: 47.033 ng
 RT: 11.657 min Scan# 1627
 Delta R.T. 0.000 min
 Lab File: BF131688.D
 Acq: 19 Dec 2022 14:46

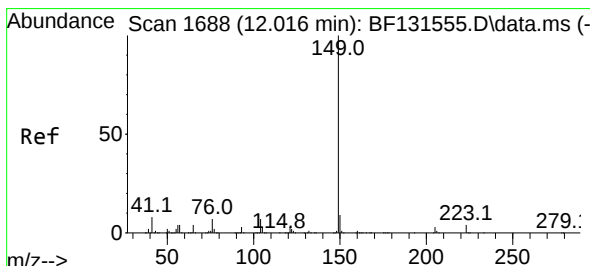
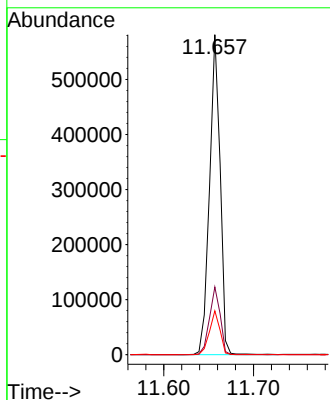
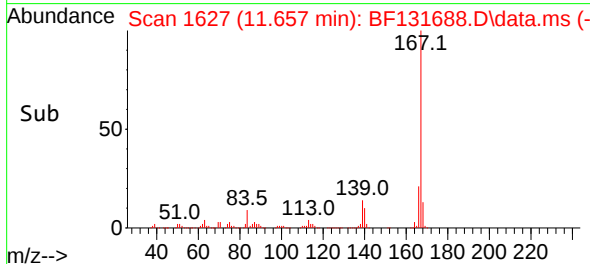
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20221214MS



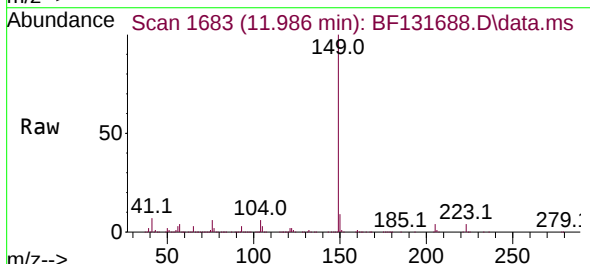
Tgt Ion:167 Resp: 474964
 Ion Ratio Lower Upper
 167 100
 166 21.1 17.4 26.0
 139 13.7 11.0 16.4

Manual Integrations
 APPROVED

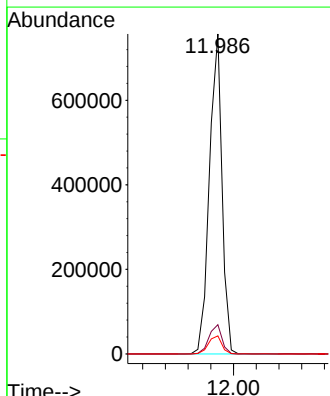
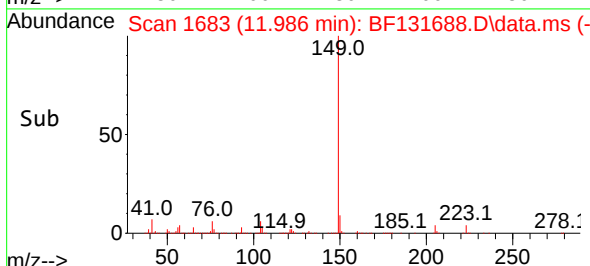
Reviewed By :Christian Giraldo 12/20/2022
 Supervised By :Jagrut Upadhyay 12/20/2022

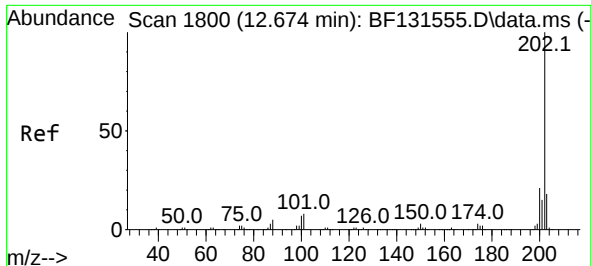


#74
 Di-n-butylphthalate
 Concen: 47.154 ng
 RT: 11.986 min Scan# 1683
 Delta R.T. 0.006 min
 Lab File: BF131688.D
 Acq: 19 Dec 2022 14:46



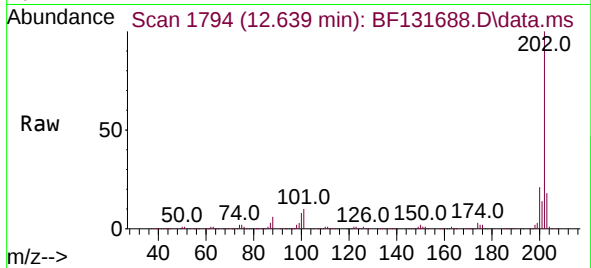
Tgt Ion:149 Resp: 584195
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.2 10.8
 104 5.7 5.2 7.8





#75
Fluoranthene
Concen: 42.859 ng
RT: 12.639 min Scan# 1794
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

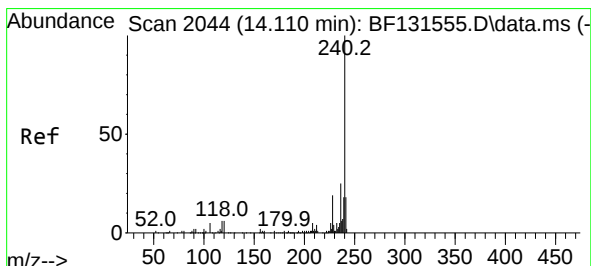
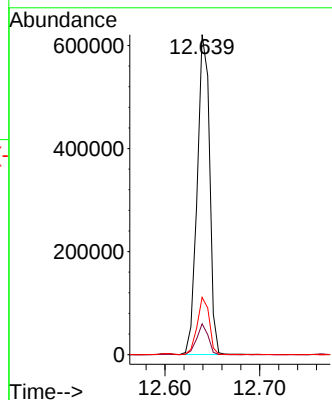
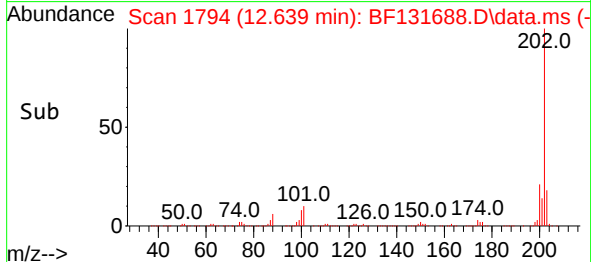
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MS



Tgt Ion:202 Resp: 561223
Ion Ratio Lower Upper
202 100
101 9.6 0.0 27.7
203 17.9 0.0 37.7

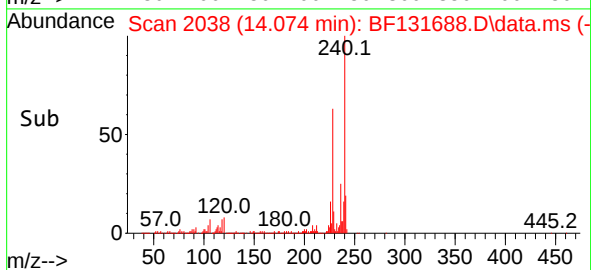
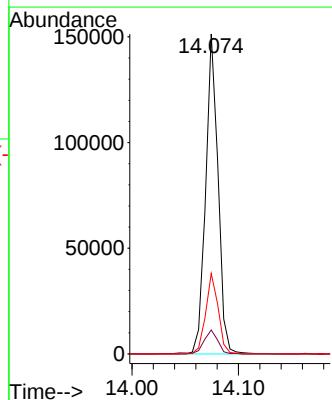
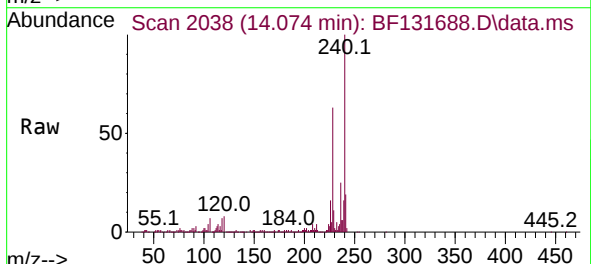
Manual Integrations
APPROVED

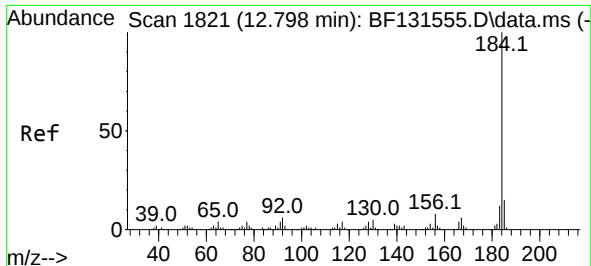
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

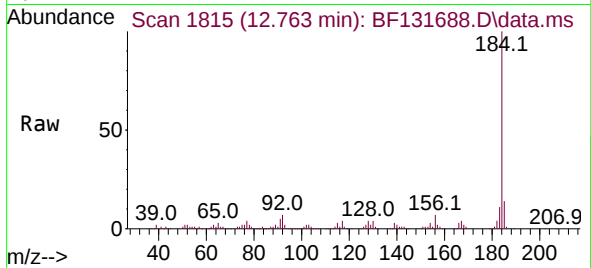
Tgt Ion:240 Resp: 121583
Ion Ratio Lower Upper
240 100
120 7.5 4.6 7.0#
236 25.1 20.2 30.2





#77
Benzidine
Concen: 32.667 ng
RT: 12.763 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

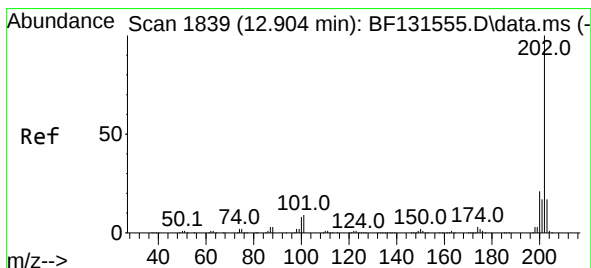
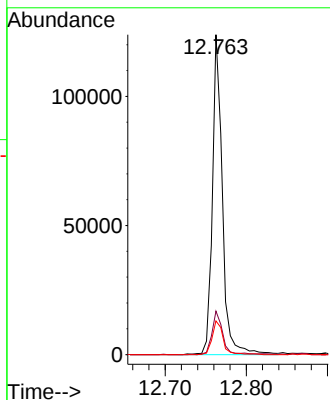
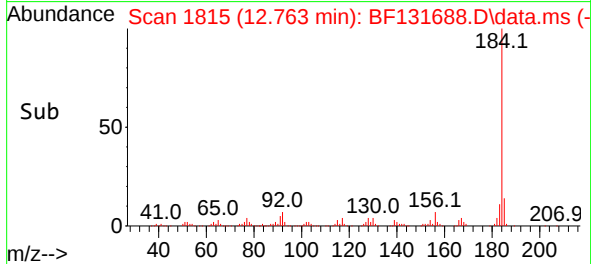
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MS



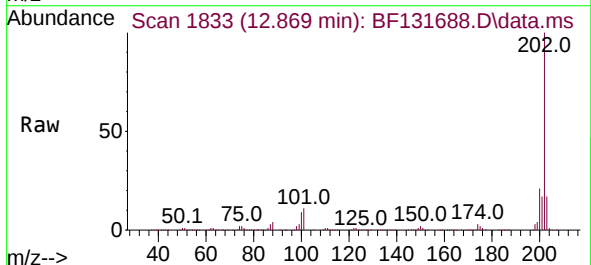
Tgt Ion:184 Resp: 106420
Ion Ratio Lower Upper
184 100
185 13.6 12.2 18.2
183 10.5 9.3 13.9

Manual Integrations
APPROVED

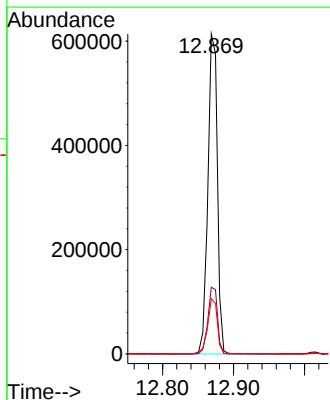
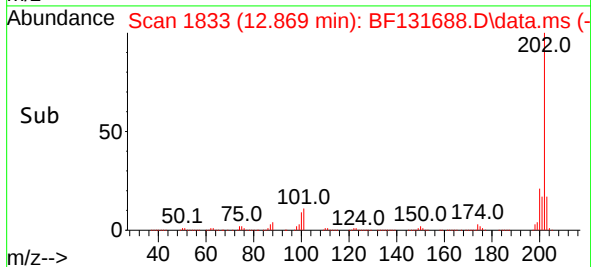
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022

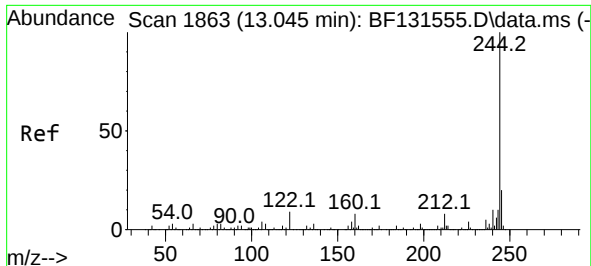


#78
Pyrene
Concen: 47.227 ng
RT: 12.869 min Scan# 1833
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46



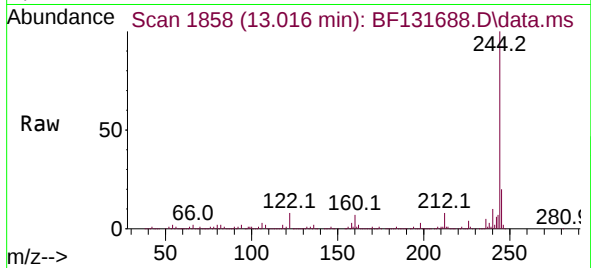
Tgt Ion:202 Resp: 566190
Ion Ratio Lower Upper
202 100
200 20.8 16.7 25.1
203 17.2 13.8 20.6





#79
Terphenyl-d14
Concen: 90.669 ng
RT: 13.016 min Scan# 1863
Delta R.T. 0.006 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

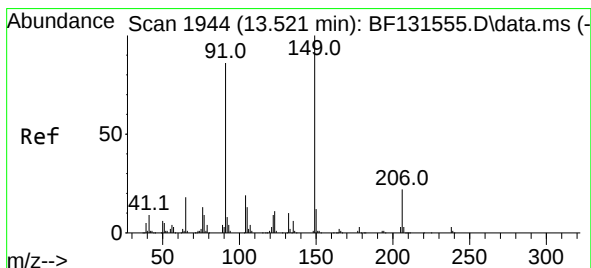
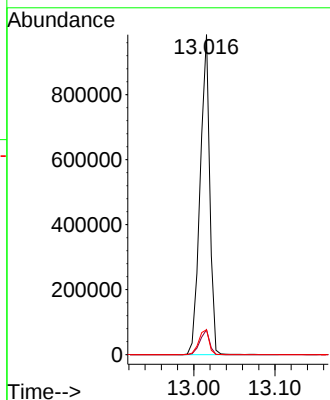
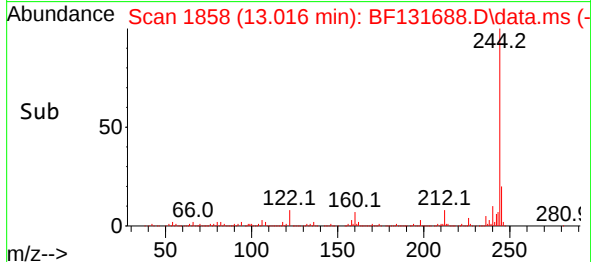
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MS



Tgt Ion:244 Resp: 803838
Ion Ratio Lower Upper
244 100
212 7.8 6.5 9.7
122 7.8 7.1 10.7

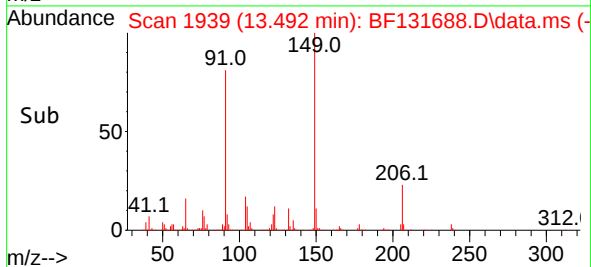
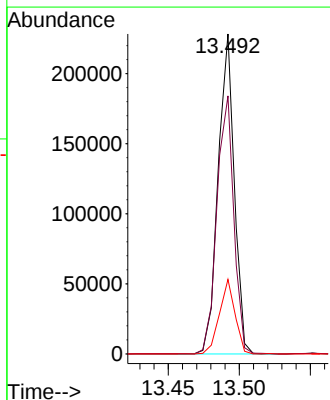
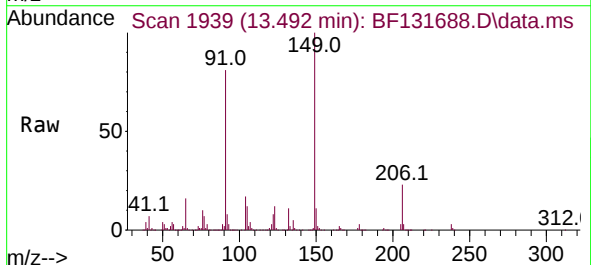
Manual Integrations
APPROVED

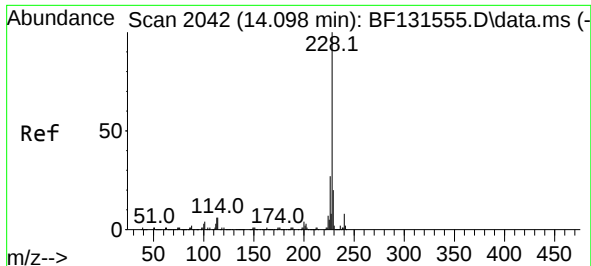
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#80
Butylbenzylphthalate
Concen: 52.256 ng
RT: 13.492 min Scan# 1939
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

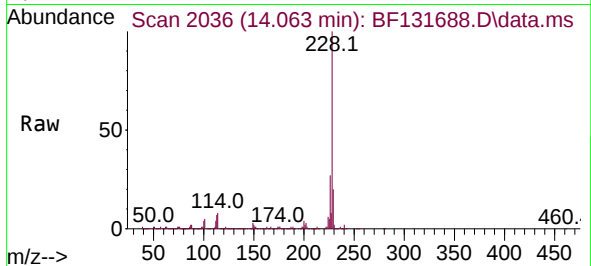
Tgt Ion:149 Resp: 181302
Ion Ratio Lower Upper
149 100
91 80.6 69.0 103.4
206 23.3 17.8 26.8





#81
Benzo(a)anthracene
Concen: 50.727 ng
RT: 14.063 min Scan# 2042
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

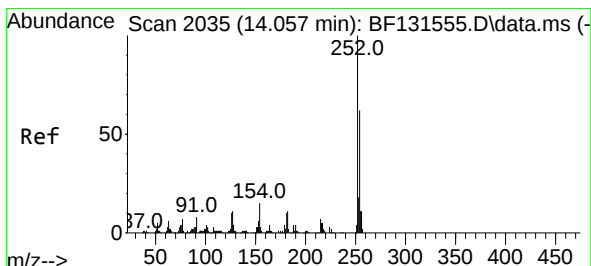
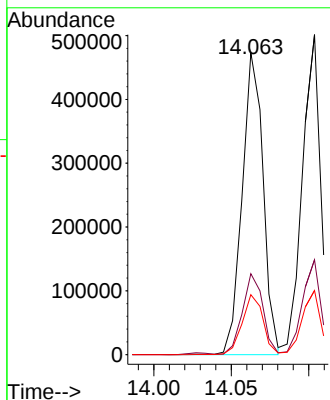
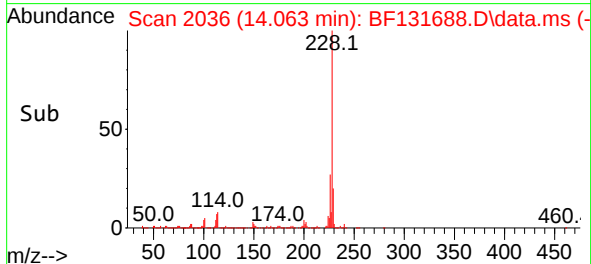
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MS



Tgt Ion:228 Resp: 445395
Ion Ratio Lower Upper
228 100
226 26.8 21.5 32.3
229 19.9 15.8 23.6

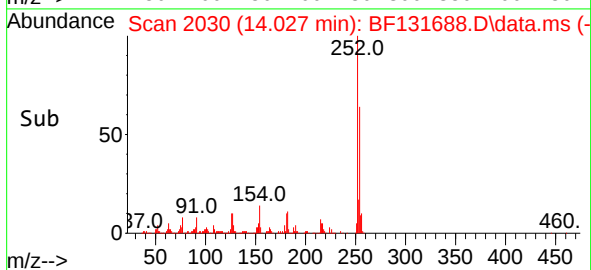
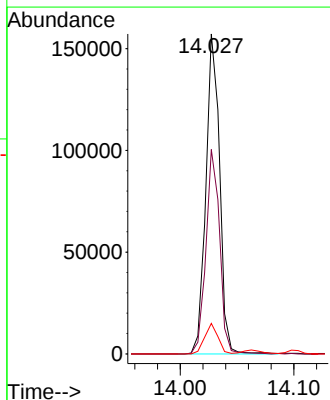
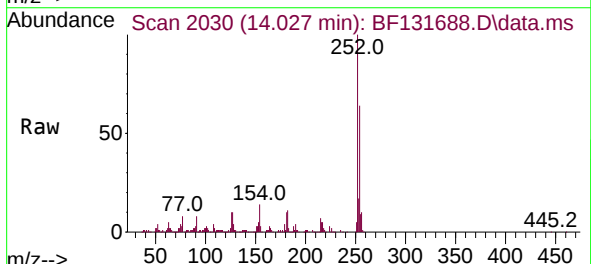
Manual Integrations
APPROVED

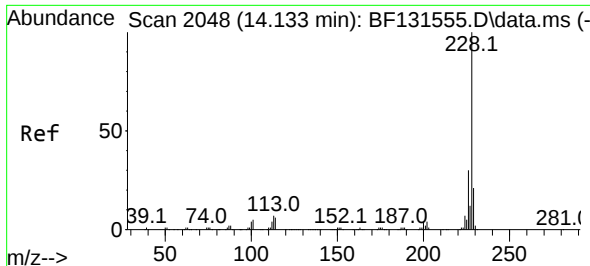
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#82
3,3'-Dichlorobenzidine
Concen: 53.103 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

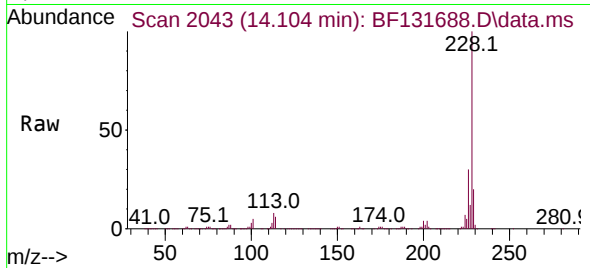
Tgt Ion:252 Resp: 132658
Ion Ratio Lower Upper
252 100
254 63.9 49.6 74.4
126 9.5 7.9 11.9





#83
Chrysene
Concen: 50.124 ng
RT: 14.104 min Scan# 2043
Delta R.T. 0.006 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

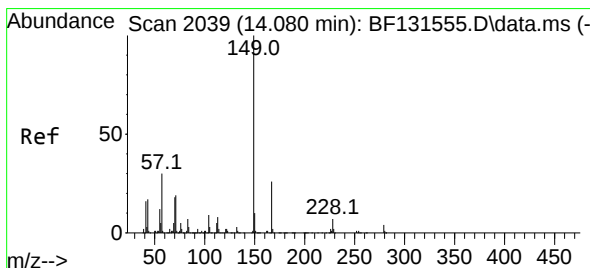
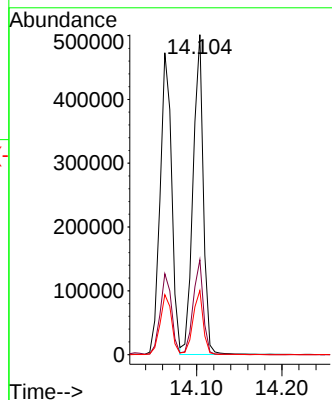
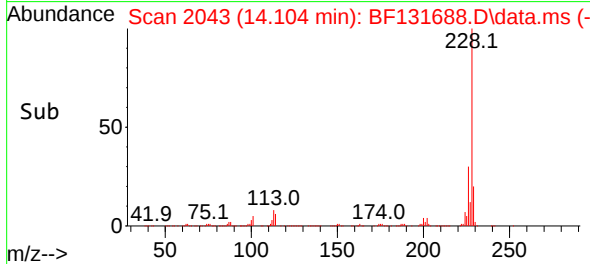
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MS



Tgt Ion:228 Resp: 418400
Ion Ratio Lower Upper
228 100
226 29.6 23.9 35.9
229 20.0 16.7 25.1

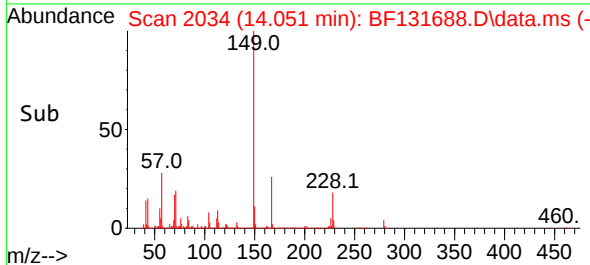
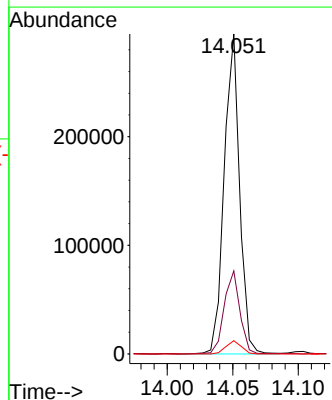
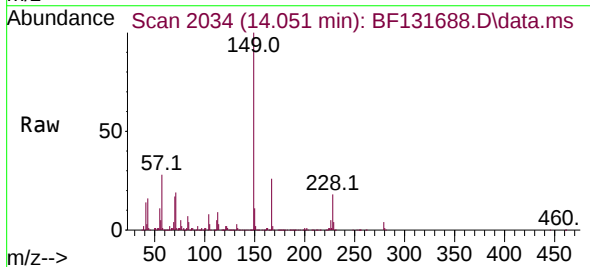
Manual Integrations
APPROVED

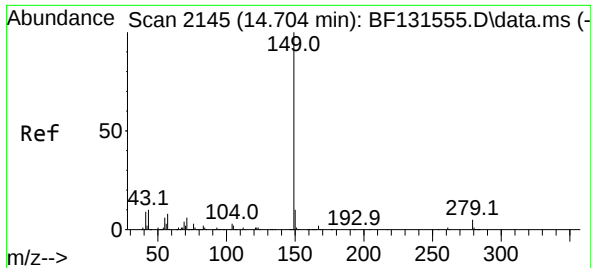
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 50.792 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

Tgt Ion:149 Resp: 240961
Ion Ratio Lower Upper
149 100
167 26.0 20.8 31.2
279 4.1 3.3 4.9





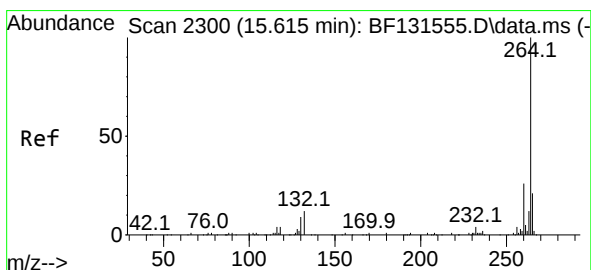
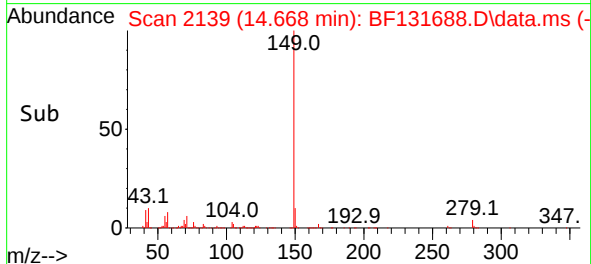
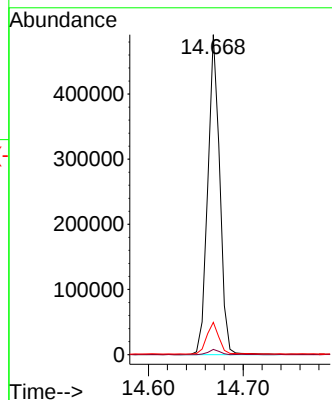
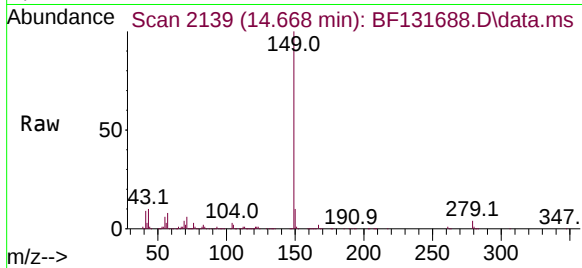
#85
Di-n-octyl phthalate
Concen: 54.871 ng
RT: 14.668 min Scan# 2145
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MS

Tgt Ion:149 Resp: 431460
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 10.1 8.6 13.0

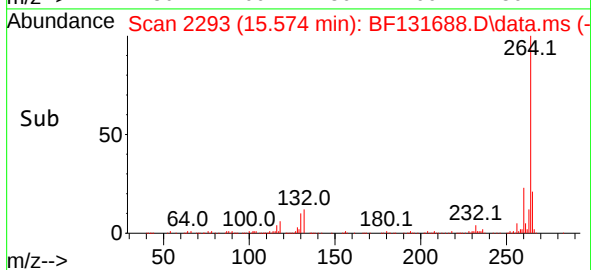
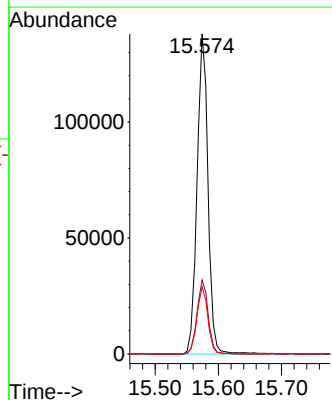
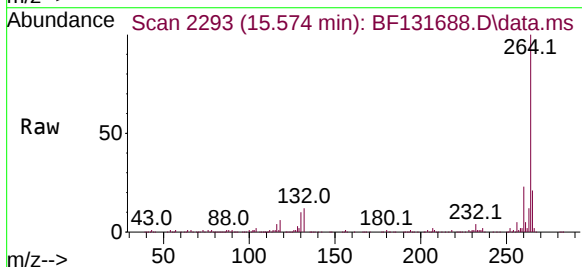
Manual Integrations
APPROVED

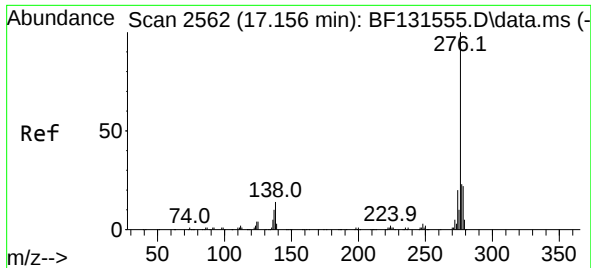
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2293
Delta R.T. 0.000 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

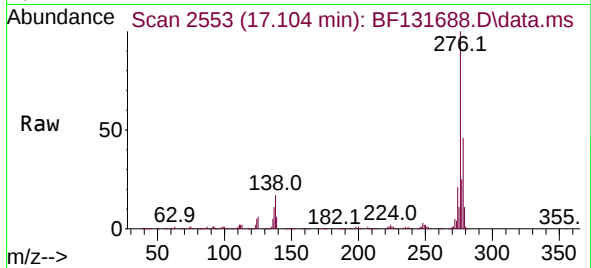
Tgt Ion:264 Resp: 166218
Ion Ratio Lower Upper
264 100
260 23.1 20.6 30.8
265 21.0 16.8 25.2





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 48.663 ng
 RT: 17.104 min Scan# 2118
 Delta R.T. 0.006 min
 Lab File: BF131688.D
 Acq: 19 Dec 2022 14:46

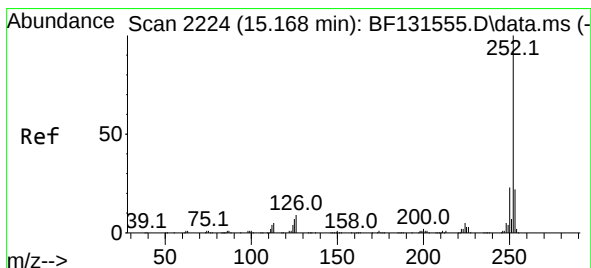
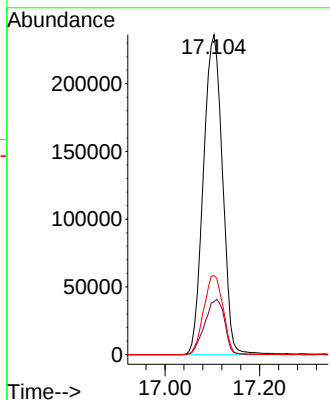
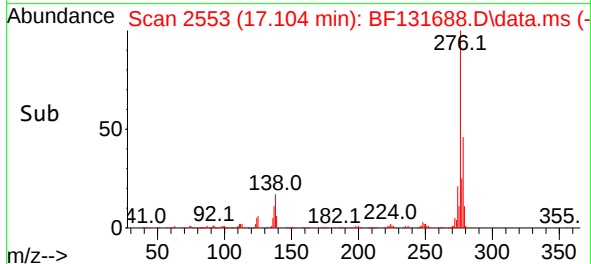
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20221214MS



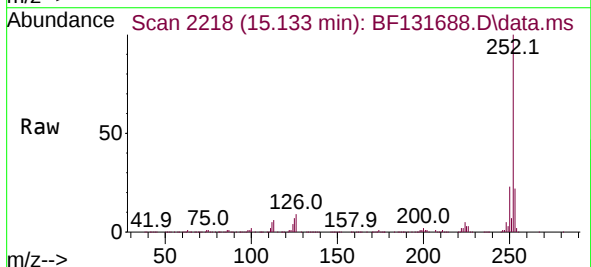
Tgt Ion:276 Resp: 660126
 Ion Ratio Lower Upper
 276 100
 138 18.0 12.7 19.1
 277 25.2 20.0 30.0

Manual Integrations
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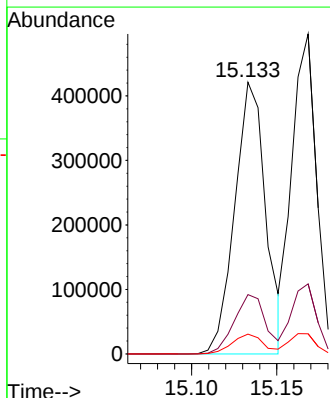
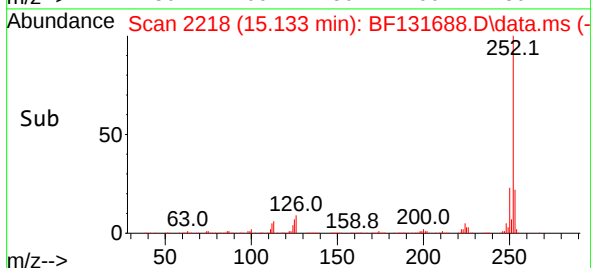
Reviewed By :Christian Giraldo 12/20/2022
 Supervised By :Jagrut Upadhyay 12/20/2022

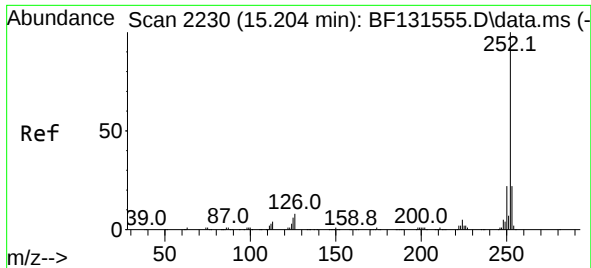


#88
 Benzo(b)fluoranthene
 Concen: 48.667 ng
 RT: 15.133 min Scan# 2218
 Delta R.T. 0.006 min
 Lab File: BF131688.D
 Acq: 19 Dec 2022 14:46



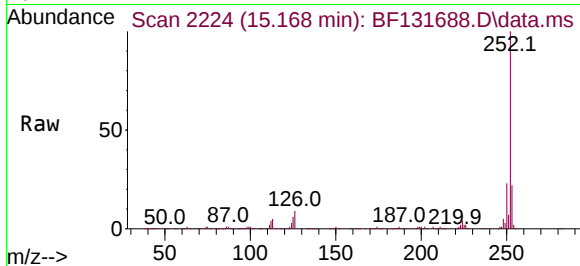
Tgt Ion:252 Resp: 533149
 Ion Ratio Lower Upper
 252 100
 253 21.8 17.7 26.5
 125 7.3 5.6 8.4





#89
Benzo(k)fluoranthene
Concen: 44.306 ng
RT: 15.168 min Scan# 211
Delta R.T. 0.006 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

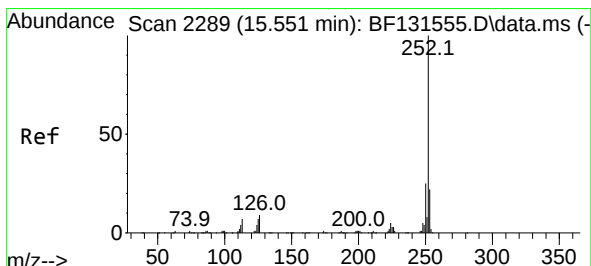
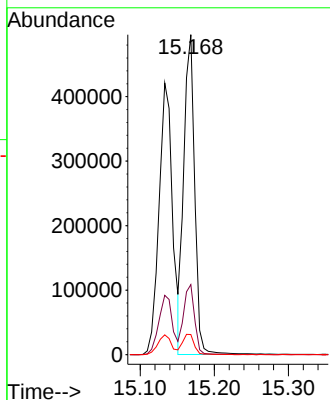
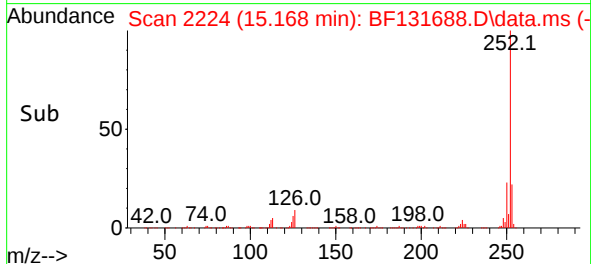
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MS



Tgt Ion:252 Resp: 506615
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 6.3 4.9 7.3

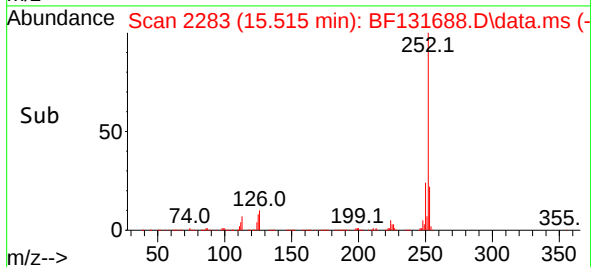
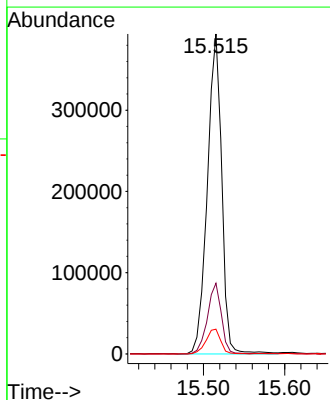
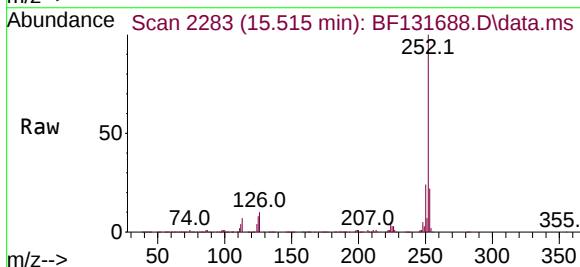
Manual Integrations
APPROVED

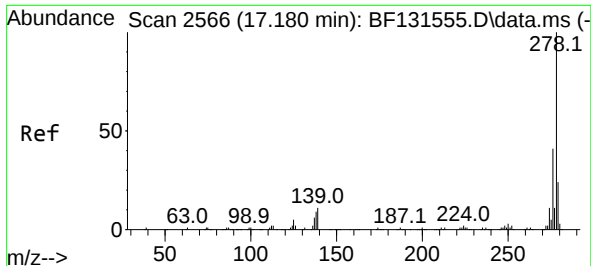
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#90
Benzo(a)pyrene
Concen: 51.946 ng
RT: 15.515 min Scan# 2283
Delta R.T. 0.006 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

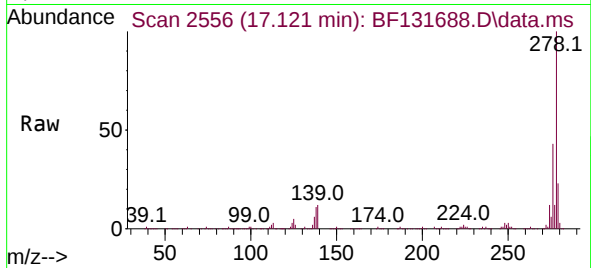
Tgt Ion:252 Resp: 485654
Ion Ratio Lower Upper
252 100
253 22.1 17.5 26.3
125 7.8 5.6 8.4





#91
Dibenzo(a,h)anthracene
Concen: 49.697 ng
RT: 17.121 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46

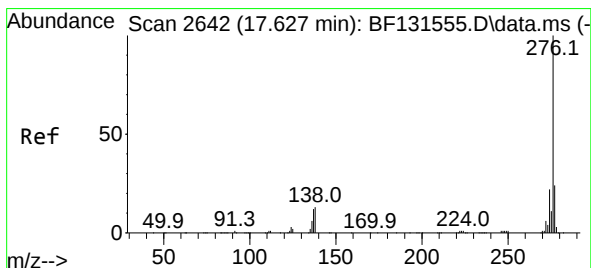
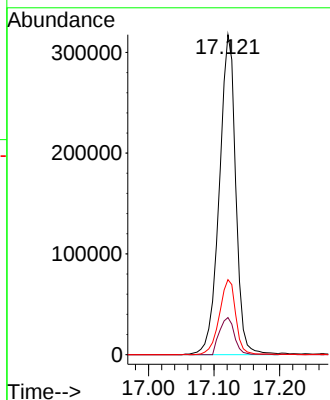
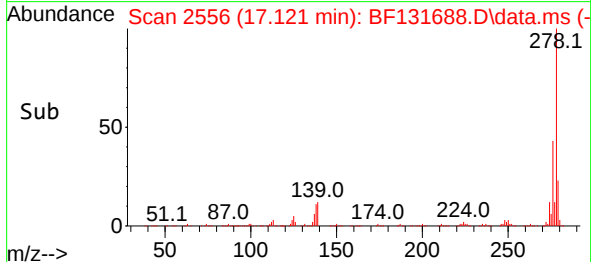
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MS



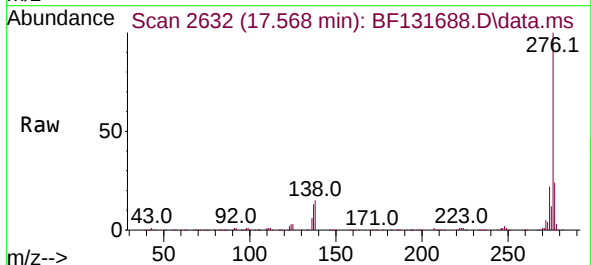
Tgt Ion:278 Resp: 554835
Ion Ratio Lower Upper
278 100
139 11.6 8.9 13.3
279 23.4 19.0 28.6

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#92
Benzo(g,h,i)perylene
Concen: 48.693 ng
RT: 17.568 min Scan# 2632
Delta R.T. 0.012 min
Lab File: BF131688.D
Acq: 19 Dec 2022 14:46



Tgt Ion:276 Resp: 546355
Ion Ratio Lower Upper
276 100
277 23.7 19.0 28.6
138 14.7 10.7 16.1

