

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121922\
 Data File : BF131689.D
 Acq On : 19 Dec 2022 15:18
 Operator : CG\JU
 Sample : N6067-02MSD
 Misc :
 ALS Vial : 7 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20221214MSD

Quant Time: Dec 20 01:03:45 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	78258	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	278919	20.000	ng	# 0.00
39) Acenaphthene-d10	9.928	164	158917	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	280834	20.000	ng	0.00
76) Chrysene-d12	14.074	240	126787	20.000	ng	# 0.00
86) Perylene-d12	15.574	264	161092	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	675101	143.916	ng	0.03
7) Phenol-d6	6.516	99	834481	135.751	ng	0.01
23) Nitrobenzene-d5	7.451	82	652307	88.419	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	264723	149.932	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1128352	89.525	ng	0.00
79) Terphenyl-d14	13.016	244	1002136	108.397	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.828	88	95566m	45.134	ng	
3) Pyridine	3.534	79	220291	37.473	ng	96
4) n-Nitrosodimethylamine	3.481	42	136554	42.119	ng	# 82
6) Aniline	6.540	93	198734	27.032	ng	98
8) 2-Chlorophenol	6.663	128	249470	50.183	ng	96
9) Benzaldehyde	6.428	77	93956	22.311	ng	98
10) Phenol	6.528	94	308891m	45.049	ng	
11) bis(2-Chloroethyl)ether	6.616	93	271471	52.817	ng	98
12) 1,3-Dichlorobenzene	6.816	146	265058	45.989	ng	98
13) 1,4-Dichlorobenzene	6.892	146	267607	46.032	ng	99
14) 1,2-Dichlorobenzene	7.045	146	258265	46.505	ng	98
15) Benzyl Alcohol	7.022	79	280216	49.723	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.151	45	335487	50.530	ng	99
17) 2-Methylphenol	7.134	107	223033	49.782	ng	96
18) Hexachloroethane	7.387	117	106712	45.503	ng	91
19) n-Nitroso-di-n-propyla...	7.298	70	222113	48.187	ng	94
20) 3+4-Methylphenols	7.292	107	279141	45.744	ng	# 77
22) Acetophenone	7.292	105	415521	47.539	ng	96
24) Nitrobenzene	7.469	77	345496	46.432	ng	94
25) Isophorone	7.704	82	613284	51.609	ng	99
26) 2-Nitrophenol	7.781	139	138774	54.690	ng	93
27) 2,4-Dimethylphenol	7.822	122	228616	58.781	ng	93
28) bis(2-Chloroethoxy)met...	7.916	93	341090	55.486	ng	99
29) 2,4-Dichlorophenol	8.028	162	233423	48.539	ng	98
30) 1,2,4-Trichlorobenzene	8.104	180	267247	45.316	ng	99
31) Naphthalene	8.187	128	751324	47.826	ng	100
32) Benzoic acid	7.951	122	152804m	54.250	ng	
33) 4-Chloroaniline	8.239	127	75012	12.739	ng	97
34) Hexachlorobutadiene	8.298	225	175050	42.116	ng	97
35) Caprolactam	8.616	113	56021m	45.033	ng	
36) 4-Chloro-3-methylphenol	8.728	107	262472	48.605	ng	96
37) 2-Methylnaphthalene	8.881	142	509724	47.444	ng	100
38) 1-Methylnaphthalene	8.981	142	466337	45.216	ng	97
40) 1,2,4,5-Tetrachloroben...	9.045	216	287937	48.946	ng	98
41) Hexachlorocyclopentadiene	9.034	237	341821	114.477	ng	97
43) 2,4,6-Trichlorophenol	9.163	196	183047	50.306	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)	
44) 2,4,5-Trichlorophenol	9.204	196	195531	49.967	ng	#	94
46) 1,1'-Biphenyl	9.351	154	632260	50.320	ng		99
47) 2-Chloronaphthalene	9.375	162	508771	49.699	ng		100
48) 2-Nitroaniline	9.475	65	171222	47.215	ng		92
49) Acenaphthylene	9.792	152	752809	50.083	ng		100
50) Dimethylphthalate	9.657	163	593208	48.967	ng		99
51) 2,6-Dinitrotoluene	9.722	165	130541	52.196	ng	#	71
52) Acenaphthene	9.963	154	541129m	53.739	ng		
53) 3-Nitroaniline	9.886	138	71287	29.708	ng		98
54) 2,4-Dinitrophenol	9.998	184	130342	90.475	ng		94
55) Dibenzofuran	10.139	168	686090	48.222	ng		98
56) 4-Nitrophenol	10.057	139	151483	90.873	ng	#	81
57) 2,4-Dinitrotoluene	10.128	165	169224	51.007	ng		92
58) Fluorene	10.480	166	538692	46.573	ng		100
59) 2,3,4,6-Tetrachlorophenol	10.257	232	154591m	46.652	ng		
60) Diethylphthalate	10.357	149	552027	47.484	ng		99
61) 4-Chlorophenyl-phenyle...	10.475	204	295512	46.232	ng		96
62) 4-Nitroaniline	10.510	138	106978	44.989	ng		87
63) Azobenzene	10.633	77	612959	46.228	ng		96
65) 4,6-Dinitro-2-methylph...	10.533	198	87288	49.073	ng		83
66) n-Nitrosodiphenylamine	10.598	169	455757	50.198	ng		98
67) 4-Bromophenyl-phenylether	10.969	248	175340	48.534	ng		93
68) Hexachlorobenzene	11.028	284	189101	48.391	ng	#	92
69) Atrazine	11.122	200	136524	47.353	ng		98
70) Pentachlorophenol	11.227	266	201977	100.399	ng		99
71) Phenanthrene	11.451	178	739478	47.241	ng		99
72) Anthracene	11.504	178	756579	49.679	ng		100
73) Carbazole	11.657	167	593533	47.747	ng		100
74) Di-n-butylphthalate	11.986	149	739887	48.516	ng		99
75) Fluoranthene	12.645	202	698877	43.358	ng		99
77) Benzidine	12.763	184	94903	27.936	ng		99
78) Pyrene	12.874	202	684515	54.753	ng		100
80) Butylbenzylphthalate	13.492	149	210902	58.293	ng		94
81) Benzo(a)anthracene	14.063	228	468083	51.123	ng		99
82) 3,3'-Dichlorobenzidine	14.027	252	128499	49.327	ng		98
83) Chrysene	14.104	228	447625	51.424	ng		98
84) Bis(2-ethylhexyl)phtha...	14.051	149	258410	52.148	ng		97
85) Di-n-octyl phthalate	14.668	149	414825	50.997	ng		98
87) Indeno(1,2,3-cd)pyrene	17.104	276	655441	49.856	ng		98
88) Benzo(b)fluoranthene	15.133	252	519581	48.937	ng		99
89) Benzo(k)fluoranthene	15.168	252	485297	43.792	ng		98
90) Benzo(a)pyrene	15.515	252	470528	51.930	ng		98
91) Dibenzo(a,h)anthracene	17.121	278	543332	50.215	ng		100
92) Benzo(g,h,i)perylene	17.562	276	542957	49.930	ng	#	97

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

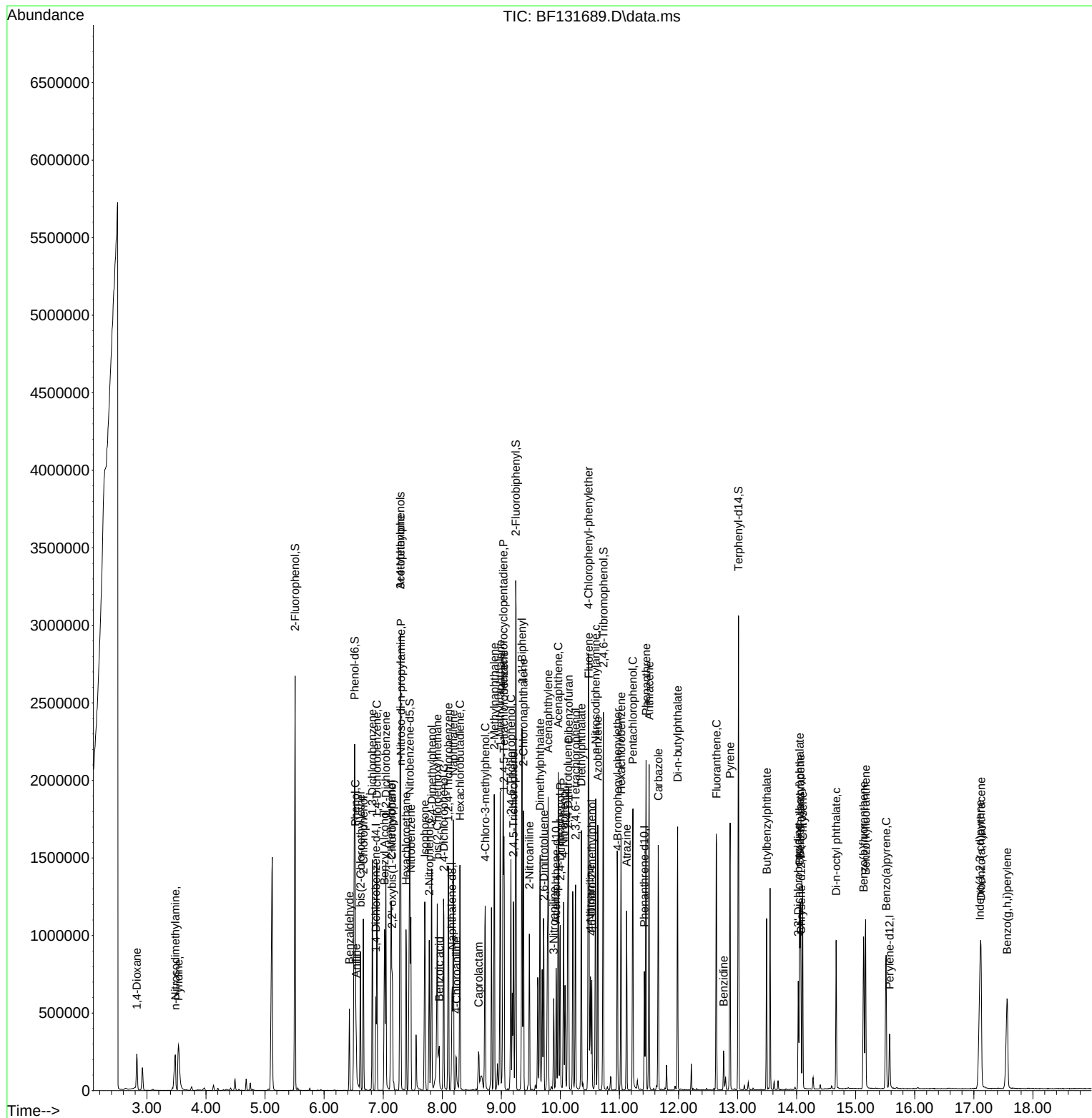
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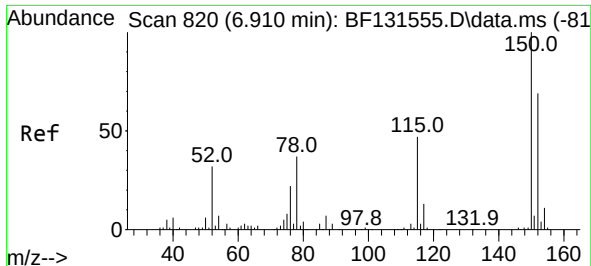
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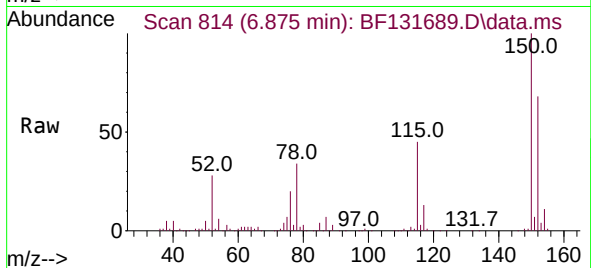
Reviewed By : Christian Giraldo 12/20/2022
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

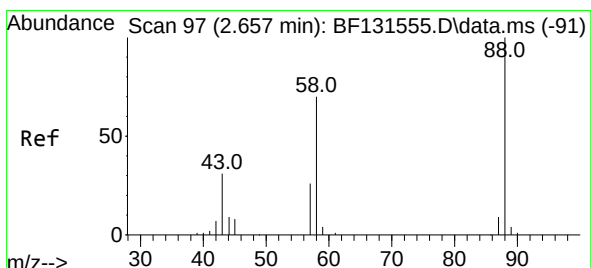
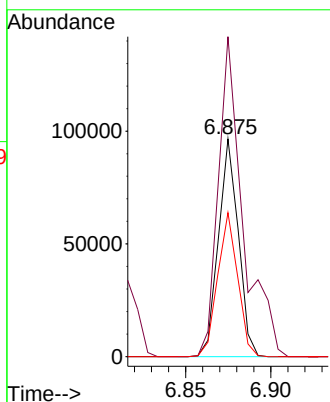
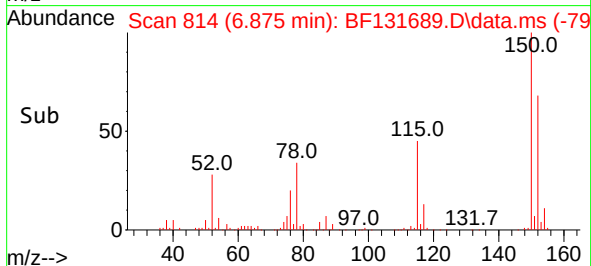
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BNA_F
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WC-SOIL-20221214MSD



Tgt Ion:152 Resp: 78258
Ion Ratio Lower Upper
152 100
150 146.9 116.7 175.1
115 66.1 54.6 82.0

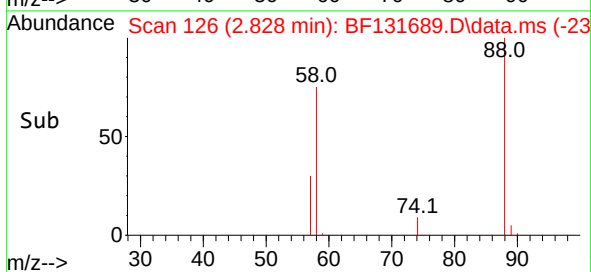
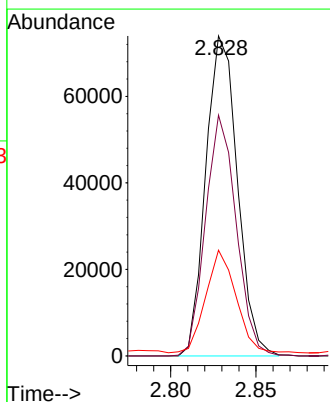
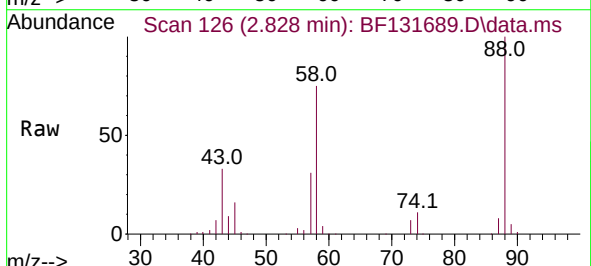
Manual Integrations
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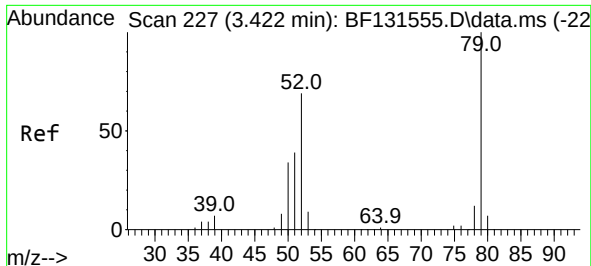
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#2
1,4-Dioxane
Concen: 45.134 ng m
RT: 2.828 min Scan# 126
Delta R.T. 0.253 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

Tgt Ion: 88 Resp: 95566
Ion Ratio Lower Upper
88 100
58 72.7 60.0 90.0
43 0.0 26.7 40.1





#3

Pyridine

Concen: 37.473 ng

RT: 3.534 min Scan# 246

Delta R.T. 0.200 min

Lab File: BF131689.D

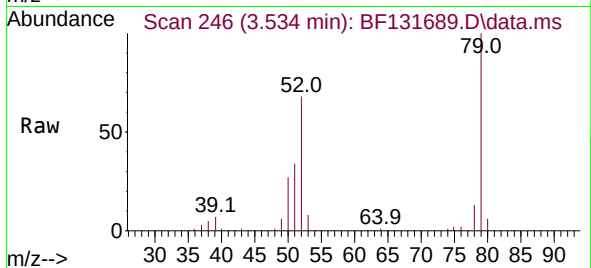
Acq: 19 Dec 2022 15:18

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20221214MSD

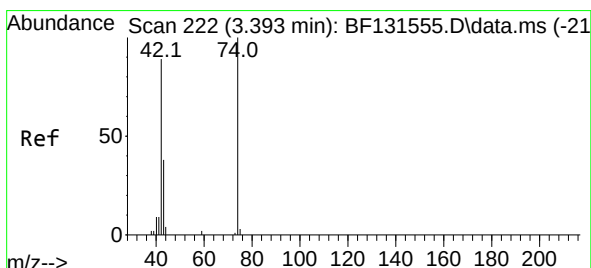
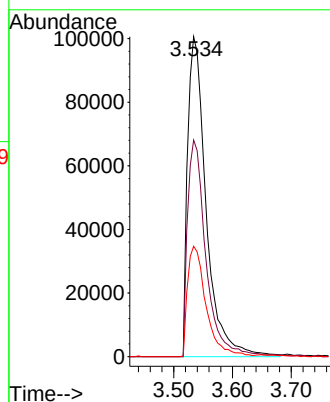
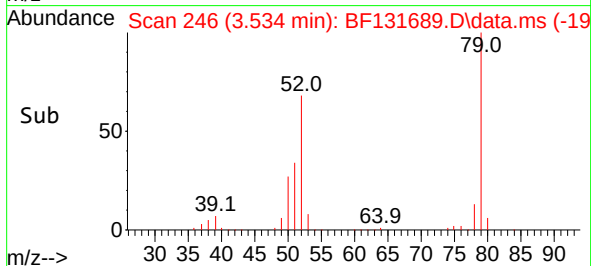


Tgt Ion:	79	Resp:	220291
Ion Ratio	100	Lower	Upper
79	100		
52	67.7	55.0	82.6
51	34.5	31.4	47.2

Manual Integrations

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#4

n-Nitrosodimethylamine

Concen: 42.119 ng

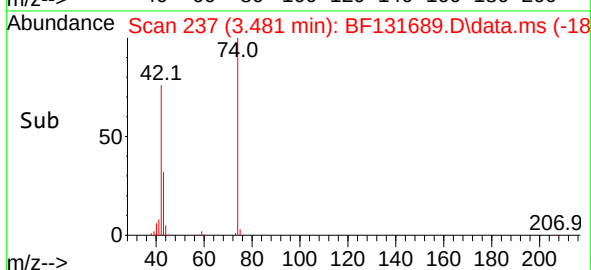
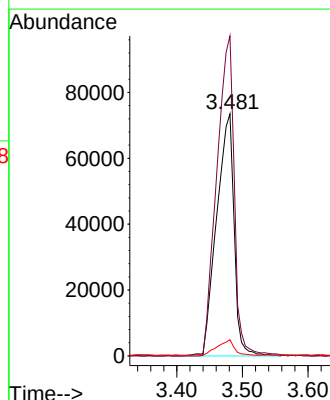
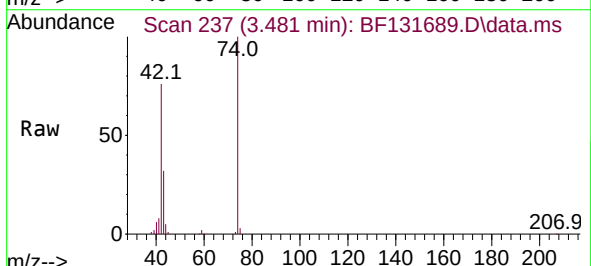
RT: 3.481 min Scan# 237

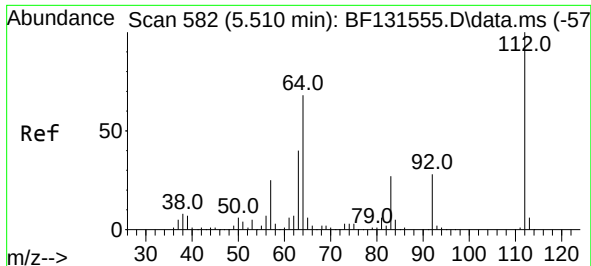
Delta R.T. 0.182 min

Lab File: BF131689.D

Acq: 19 Dec 2022 15:18

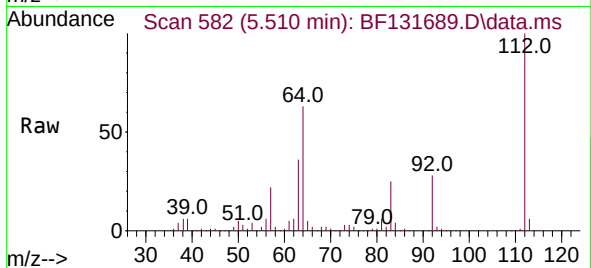
Tgt Ion:	42	Resp:	136554
Ion Ratio	100	Lower	Upper
42	100		
74	132.2	90.2	135.2
44	6.7	3.7	5.5





#5
2-Fluorophenol
Concen: 143.916 ng
RT: 5.510 min Scan# 582
Delta R.T. 0.030 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

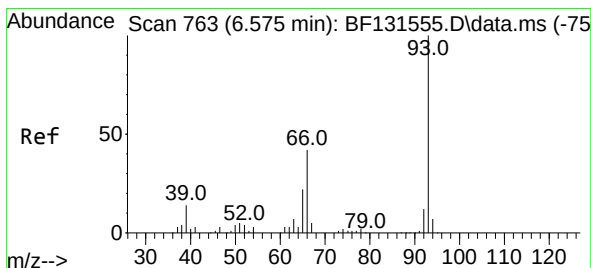
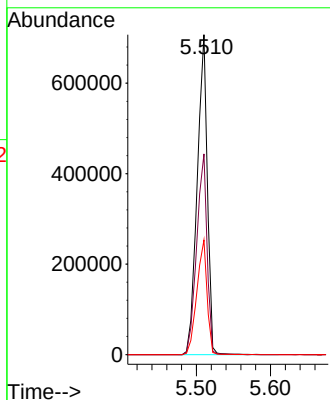
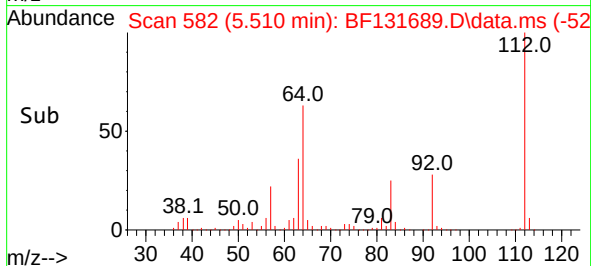
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MSD



Tgt Ion:112 Resp: 675101
Ion Ratio Lower Upper
112 100
64 62.7 54.5 81.7
63 35.8 31.9 47.9

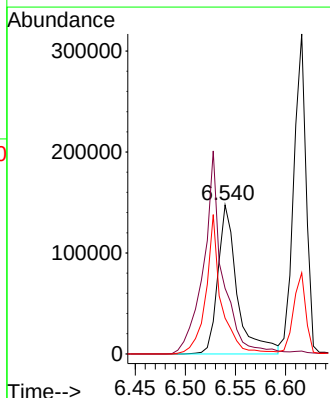
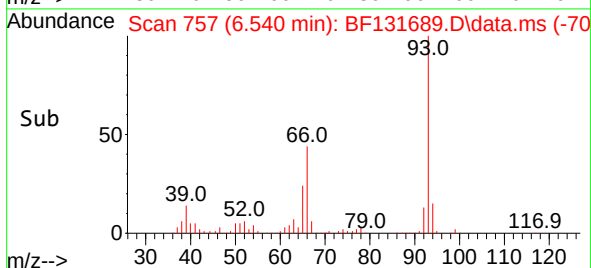
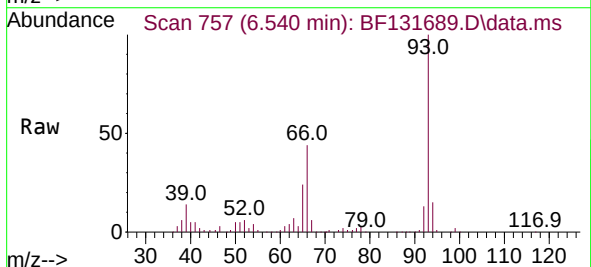
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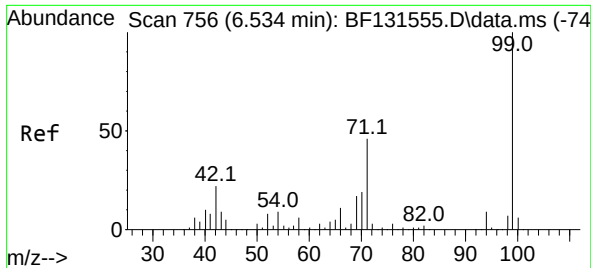
Reviewed By :Christian Giraldo 12/20/2022
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#6
Aniline
Concen: 27.032 ng
RT: 6.540 min Scan# 757
Delta R.T. 0.000 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

Tgt Ion: 93 Resp: 198734
Ion Ratio Lower Upper
93 100
66 44.0 34.6 51.8
65 24.0 17.7 26.5





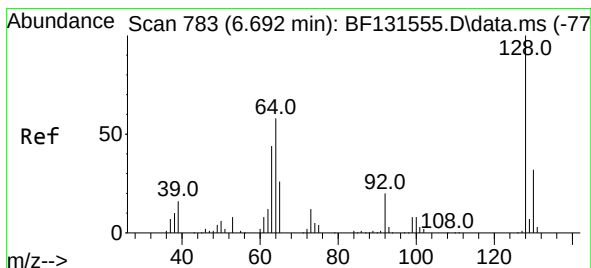
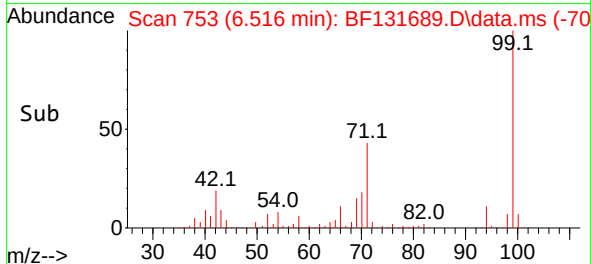
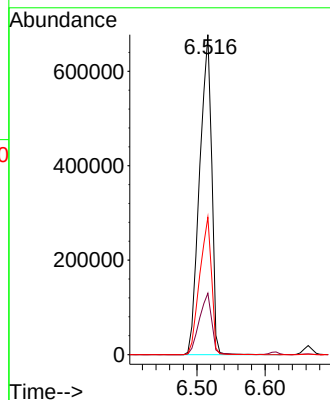
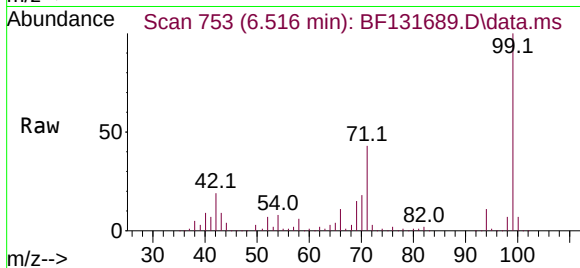
#7
Phenol-d6
Concen: 135.751 ng
RT: 6.516 min Scan# 753
Delta R.T. 0.012 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MSD

Tgt Ion: 99 Resp: 83448
Ion Ratio Lower Upper
99 100
42 19.2 17.9 26.9
71 42.9 37.2 55.8

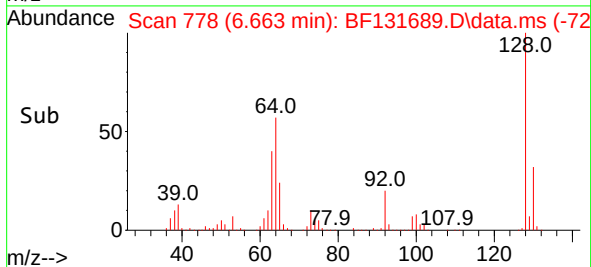
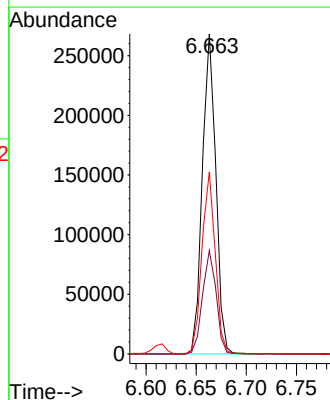
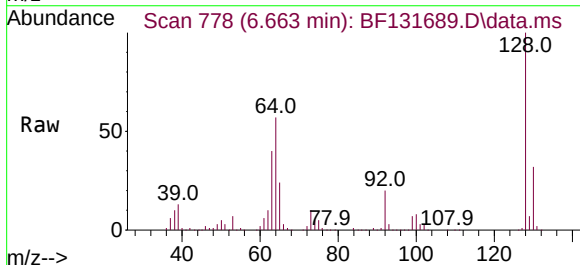
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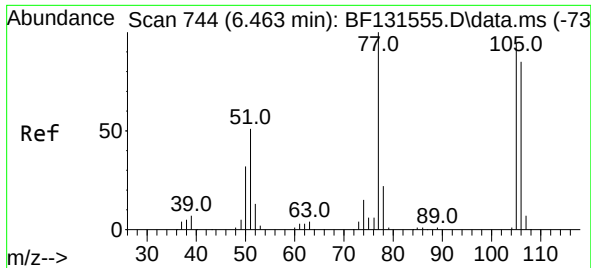
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#8
2-Chlorophenol
Concen: 50.183 ng
RT: 6.663 min Scan# 778
Delta R.T. 0.000 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

Tgt Ion:128 Resp: 249470
Ion Ratio Lower Upper
128 100
130 32.3 11.6 51.6
64 56.9 40.6 80.6





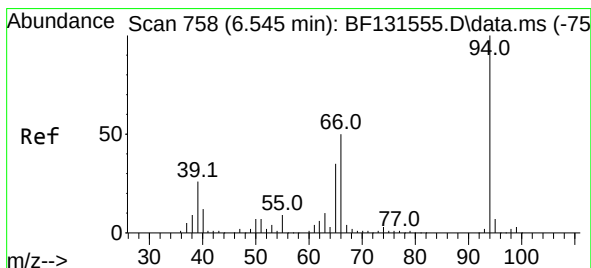
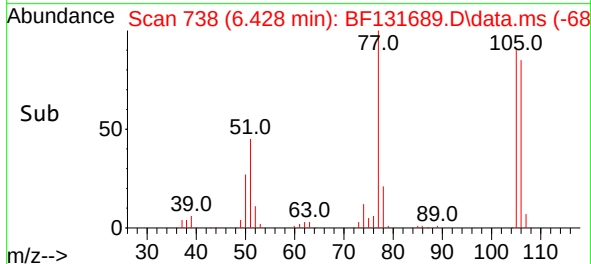
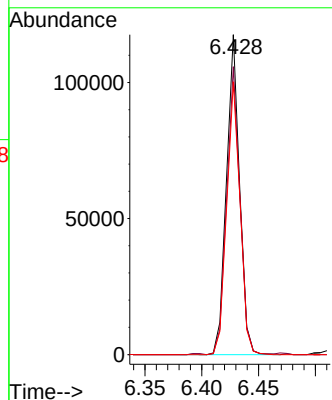
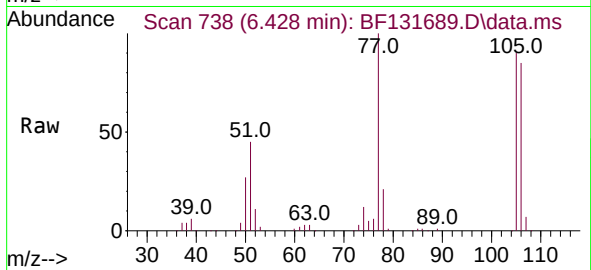
#9
Benzaldehyde
Concen: 22.311 ng
RT: 6.428 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF131689.D
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BNA_F
ClientSampleId :
WC-SOIL-20221214MSD

Tgt Ion: 77 Resp: 93956
Ion Ratio Lower Upper
77 100
105 90.0 73.8 113.8
106 85.3 65.2 105.2

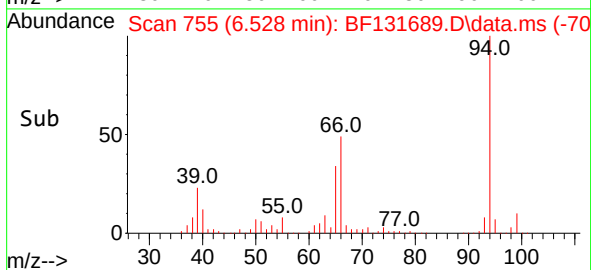
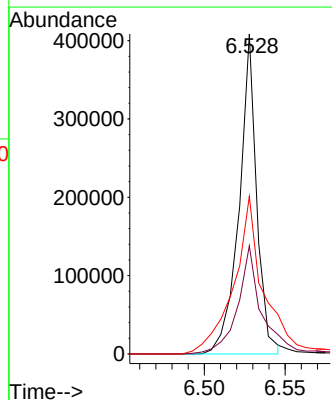
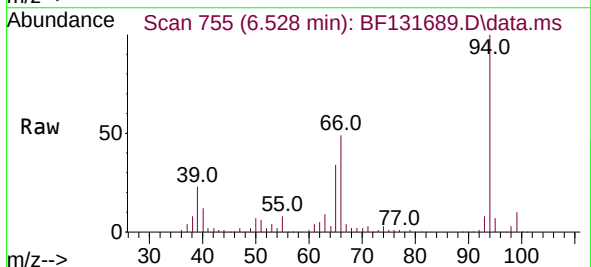
Manual Integrations
APPROVED

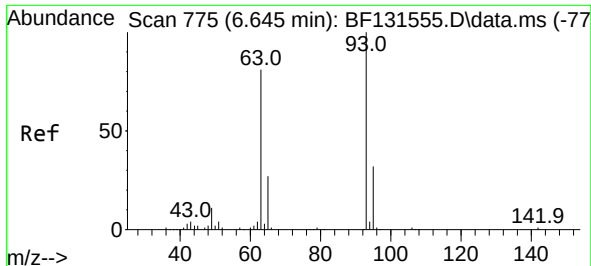
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#10
Phenol
Concen: 45.049 ng m
RT: 6.528 min Scan# 755
Delta R.T. 0.006 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

Tgt Ion: 94 Resp: 308891
Ion Ratio Lower Upper
94 100
65 33.8 14.8 54.8
66 49.2 30.8 70.8





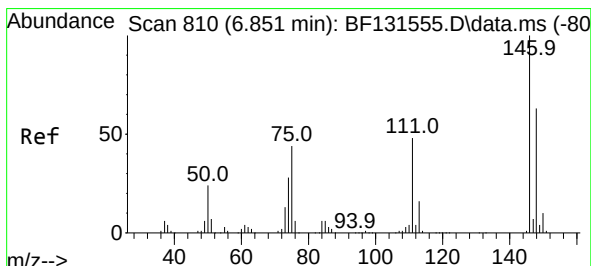
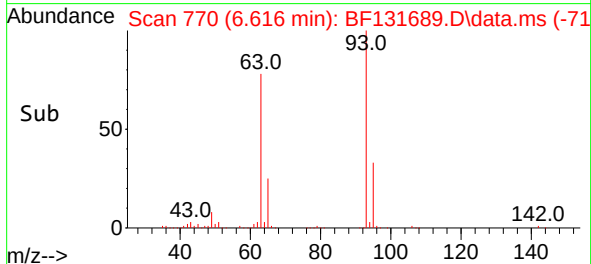
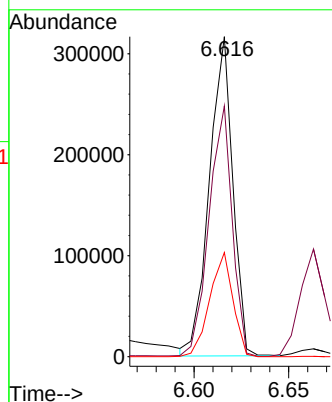
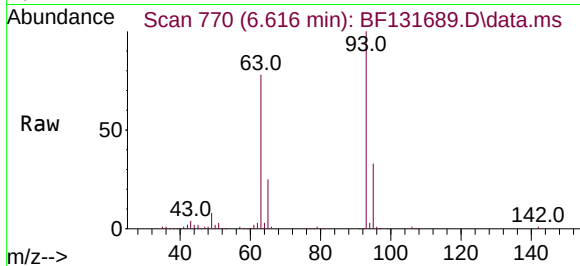
#11
bis(2-Chloroethyl)ether
Concen: 52.817 ng
RT: 6.616 min Scan# 71
Delta R.T. 0.006 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MSD

Tgt Ion: 93 Resp: 27147
Ion Ratio Lower Upper
93 100
63 78.3 60.4 100.4
95 32.5 12.3 52.3

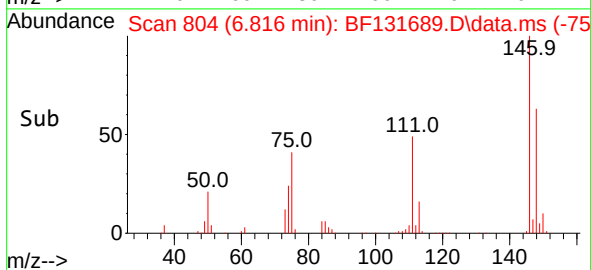
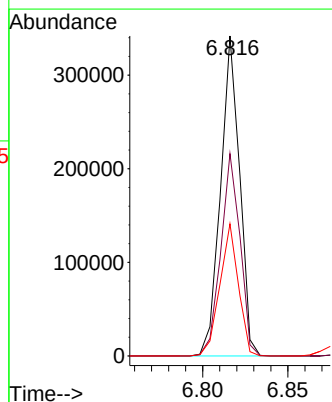
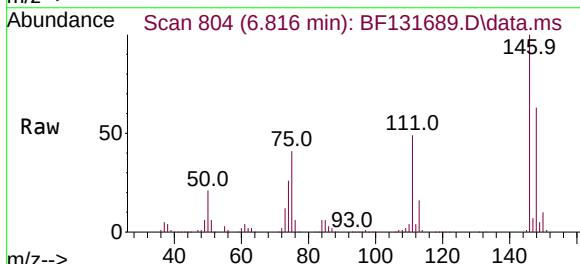
Manual Integrations
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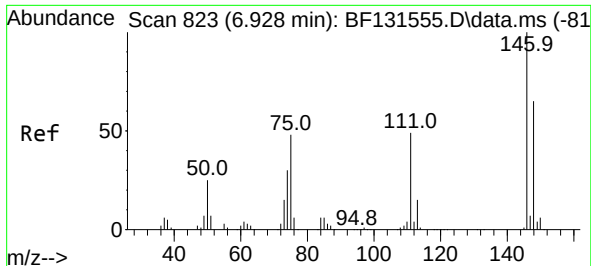
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#12
1,3-Dichlorobenzene
Concen: 45.989 ng
RT: 6.816 min Scan# 804
Delta R.T. 0.000 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

Tgt Ion:146 Resp: 265058
Ion Ratio Lower Upper
146 100
148 63.2 50.7 76.1
75 41.3 35.1 52.7





#13

1,4-Dichlorobenzene

Concen: 46.032 ng

RT: 6.892 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF131689.D

Acq: 19 Dec 2022 15:18

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20221214MSD

Tgt Ion:146 Resp: 26760

Ion Ratio Lower Upper

146 100

148 64.6 51.8 77.6

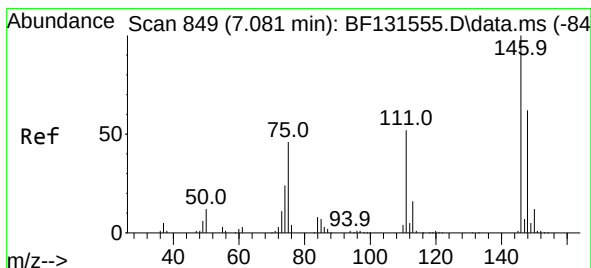
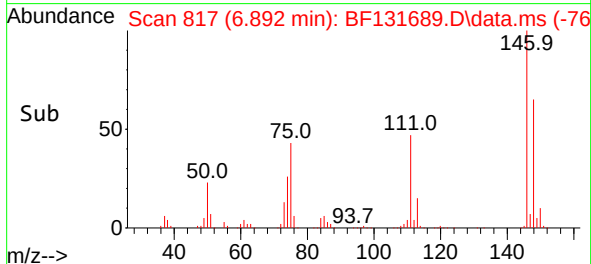
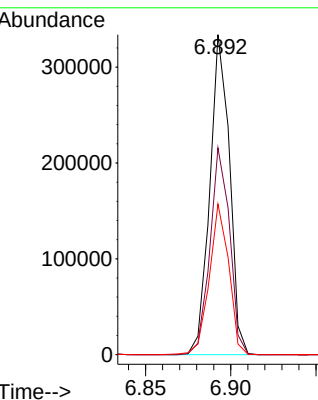
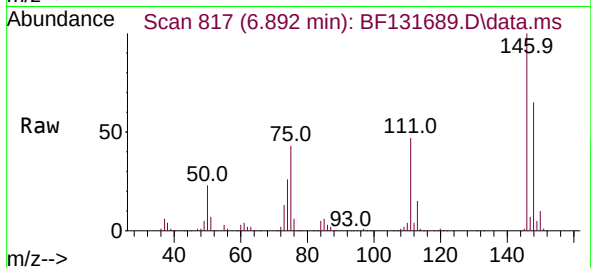
111 47.0 38.9 58.3

Manual Integrations

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Reviewed By :Christian Giraldo 12/20/2022

Supervised By :Jagrut Upadhyay 12/20/2022



#14

1,2-Dichlorobenzene

Concen: 46.505 ng

RT: 7.045 min Scan# 843

Delta R.T. 0.000 min

Lab File: BF131689.D

Acq: 19 Dec 2022 15:18

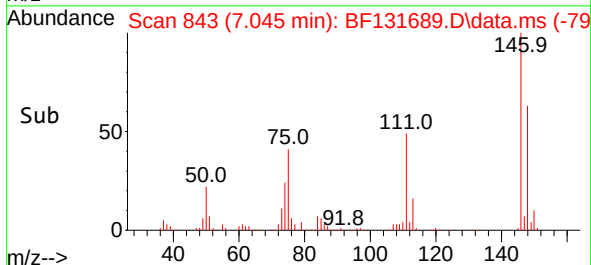
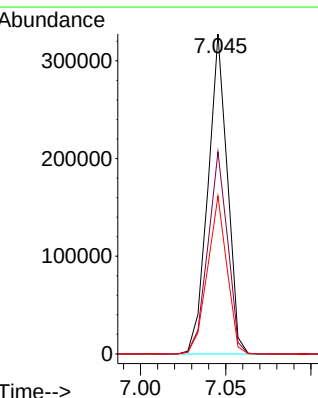
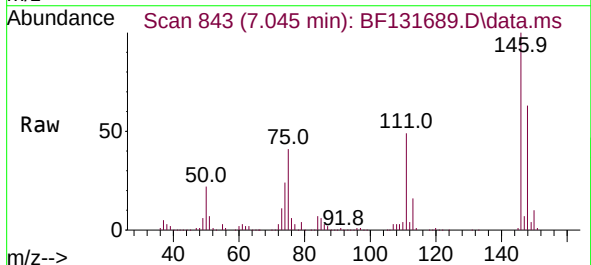
Tgt Ion:146 Resp: 258265

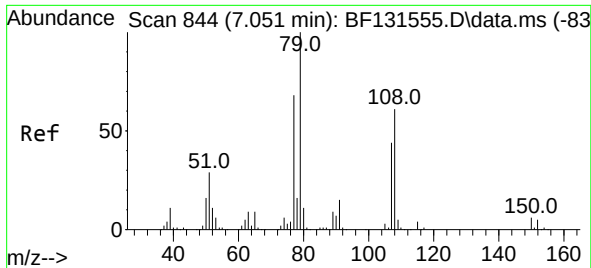
Ion Ratio Lower Upper

146 100

148 63.2 49.9 74.9

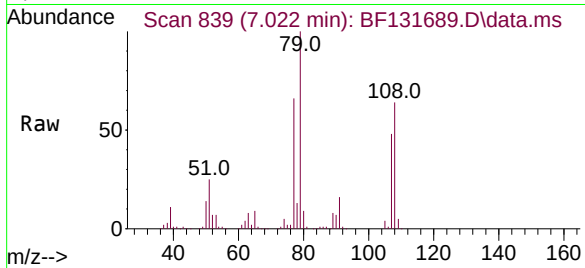
111 49.4 41.8 62.6





#15
Benzyl Alcohol
Concen: 49.723 ng
RT: 7.022 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

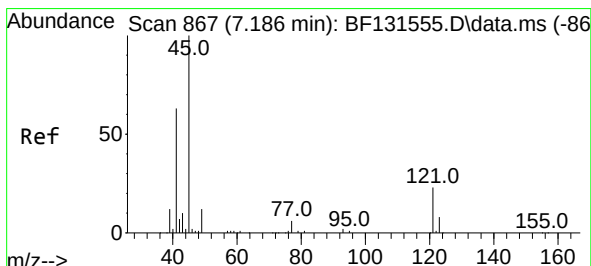
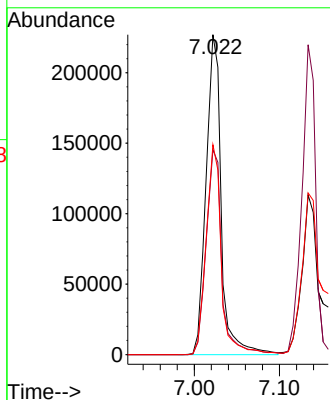
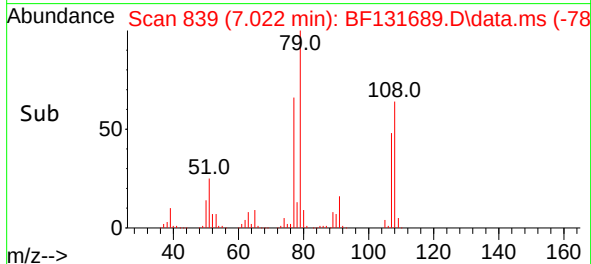
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MSD



Tgt Ion: 79 Resp: 280216
Ion Ratio Lower Upper
79 100
108 64.0 49.2 73.8
77 65.6 54.5 81.7

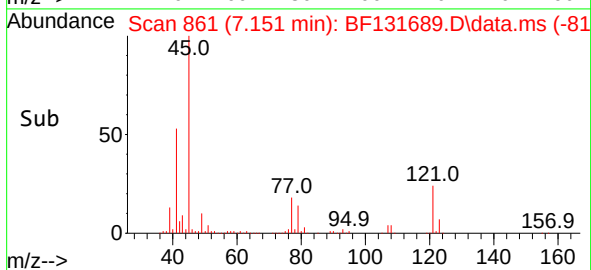
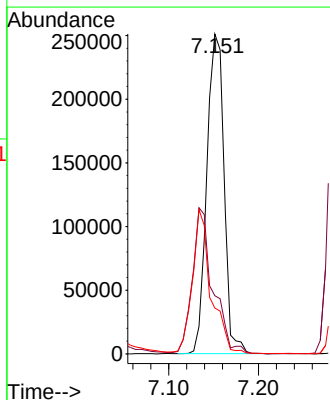
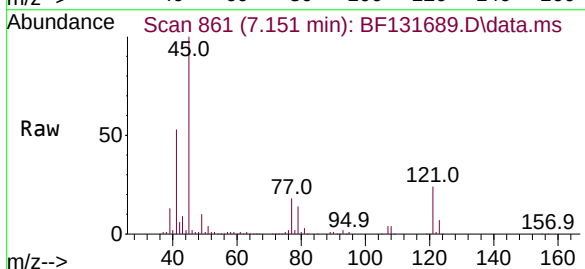
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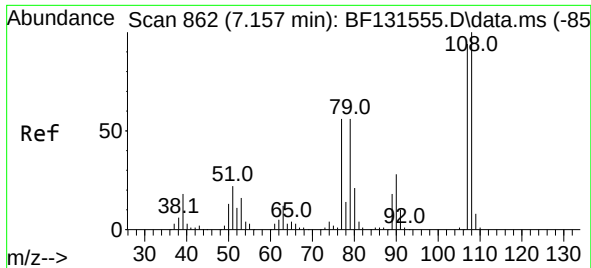
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 50.530 ng
RT: 7.151 min Scan# 861
Delta R.T. 0.000 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

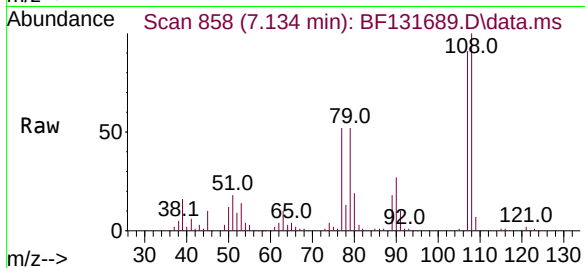
Tgt Ion: 45 Resp: 335487
Ion Ratio Lower Upper
45 100
77 18.2 0.0 37.7
79 14.3 0.0 33.6





#17
2-Methylphenol
Concen: 49.782 ng
RT: 7.134 min Scan# 80
Delta R.T. 0.006 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

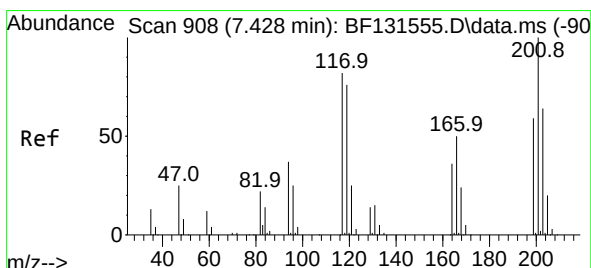
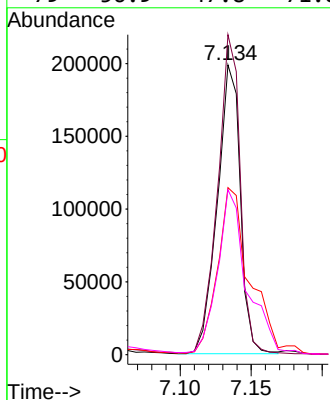
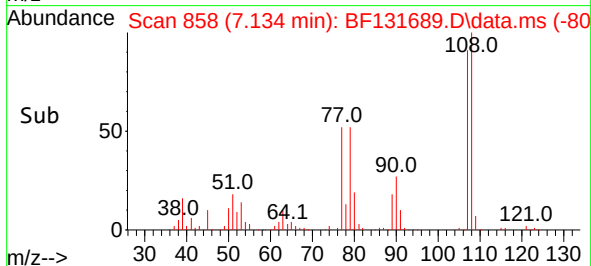
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MSD



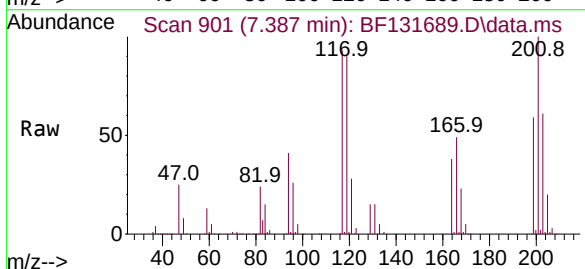
Tgt Ion:107 Resp: 223033
Ion Ratio Lower Upper
107 100
108 110.5 85.5 128.3
77 57.7 48.2 72.4
79 56.9 47.8 71.8

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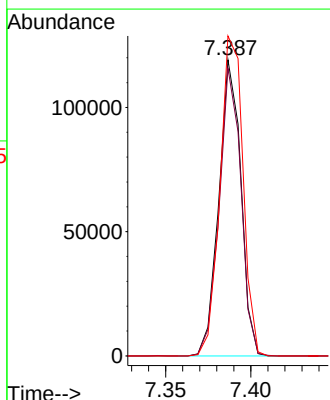
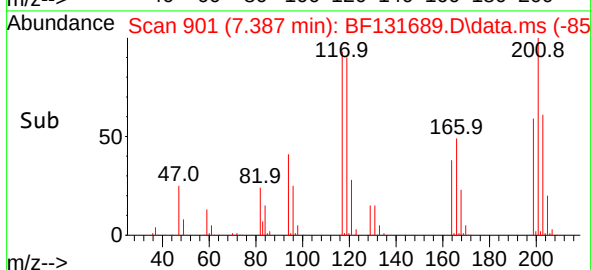
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022

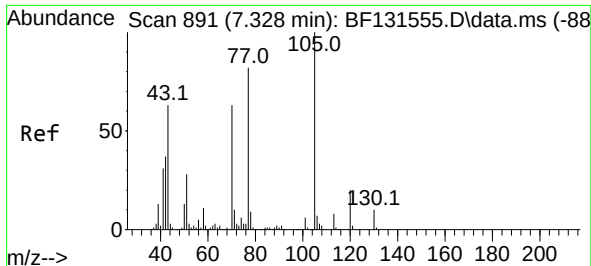


#18
Hexachloroethane
Concen: 45.503 ng
RT: 7.387 min Scan# 901
Delta R.T. 0.000 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18



Tgt Ion:117 Resp: 106712
Ion Ratio Lower Upper
117 100
119 97.1 75.0 112.4
201 108.1 98.0 147.0





#19

n-Nitroso-di-n-propylamine

Concen: 48.187 ng

RT: 7.298 min Scan# 886

Delta R.T. 0.006 min

Lab File: BF131689.D

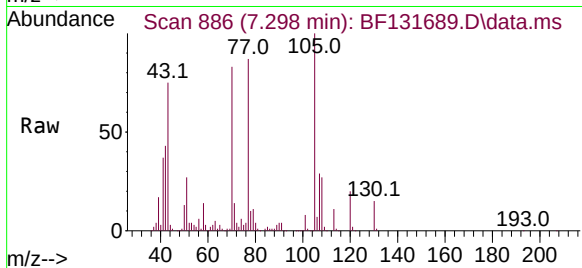
Acq: 19 Dec 2022 15:18

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20221214MSD



Tgt Ion: 70 Resp: 222113

Ion Ratio Lower Upper

70 100

42 52.1 46.4 69.6

101 9.1 7.2 10.8

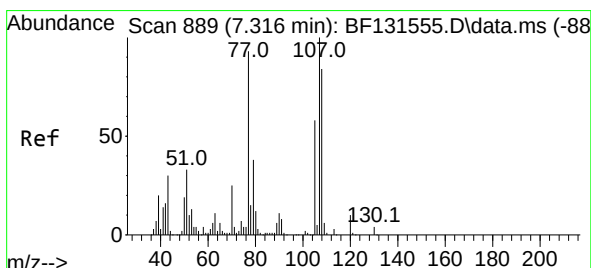
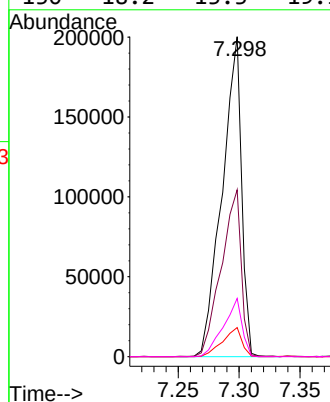
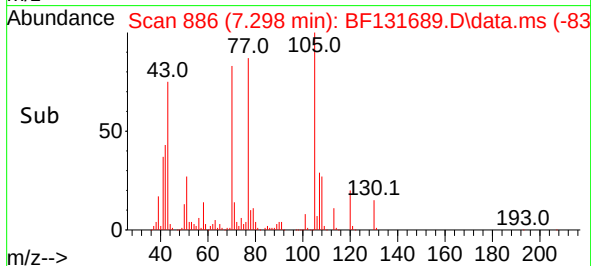
130 18.2 13.3 19.9

Manual Integrations

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Reviewed By :Christian Giraldo 12/20/2022

Supervised By :Jagrut Upadhyay 12/20/2022



#20

3+4-Methylphenols

Concen: 45.744 ng

RT: 7.292 min Scan# 885

Delta R.T. 0.006 min

Lab File: BF131689.D

Acq: 19 Dec 2022 15:18

Tgt Ion:107 Resp: 279141

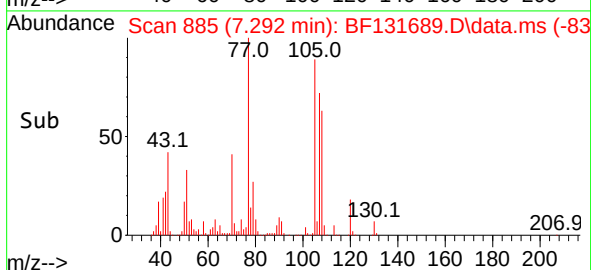
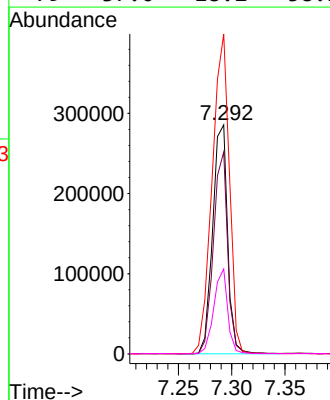
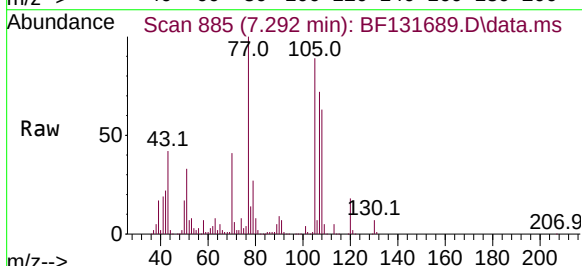
Ion Ratio Lower Upper

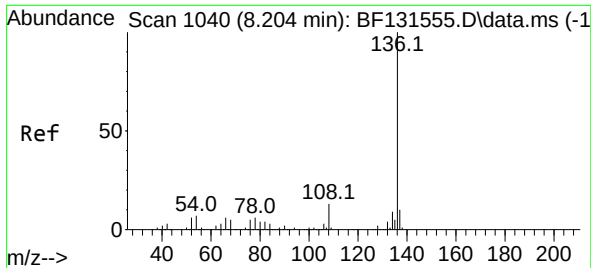
107 100

108 88.1 64.0 104.0

77 139.7 73.1 113.1#

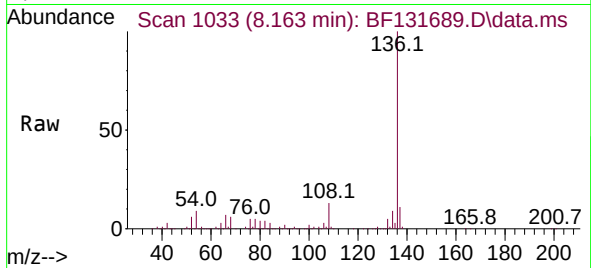
79 37.0 18.2 58.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1040
Delta R.T. 0.000 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

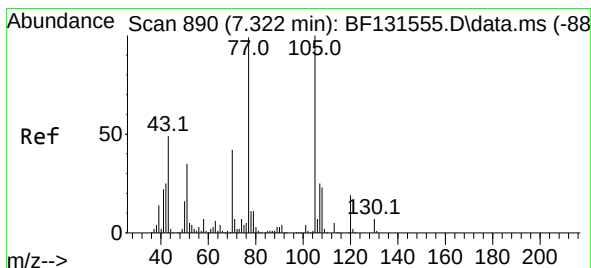
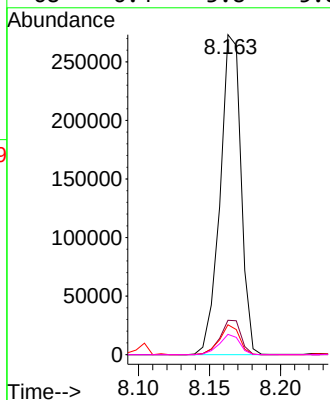
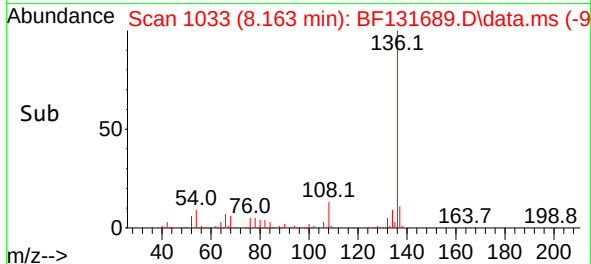
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MSD



Tgt Ion:136 Resp: 278919
Ion Ratio Lower Upper
136 100
137 10.7 8.1 12.1
54 9.3 6.0 9.0
68 6.4 3.8 5.8

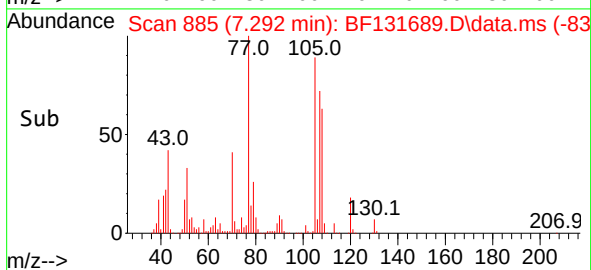
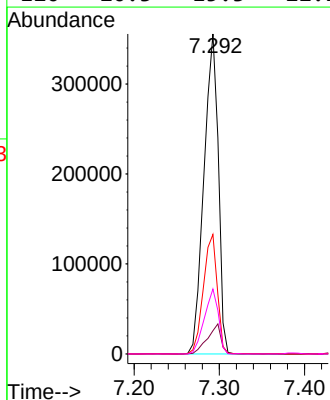
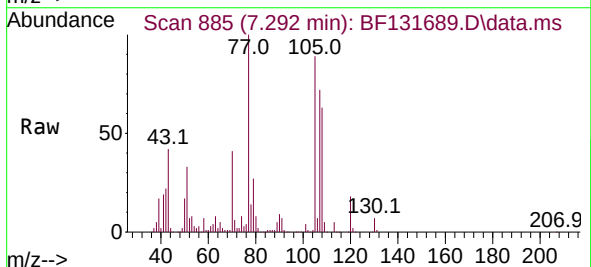
Manual Integrations
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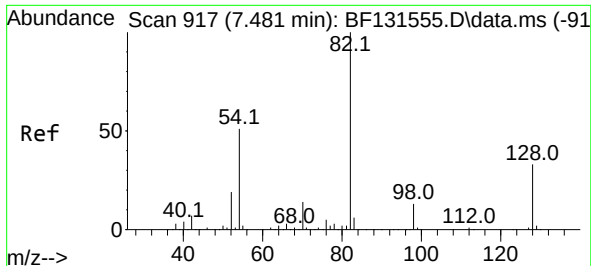
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#22
Acetophenone
Concen: 47.539 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

Tgt Ion:105 Resp: 415521
Ion Ratio Lower Upper
105 100
71 7.2 5.4 8.0
51 37.3 27.8 41.6
120 20.3 15.3 22.9





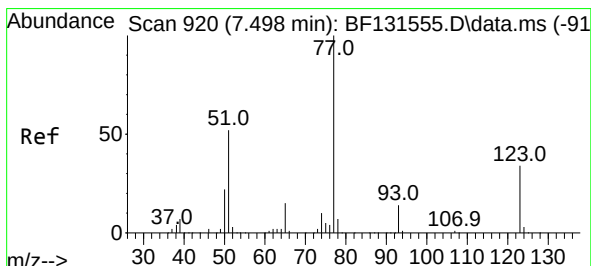
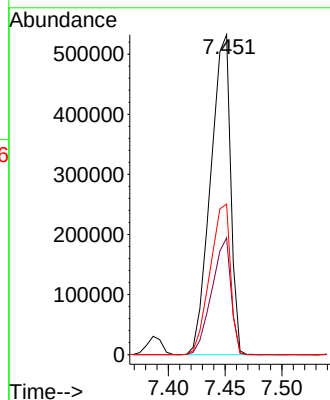
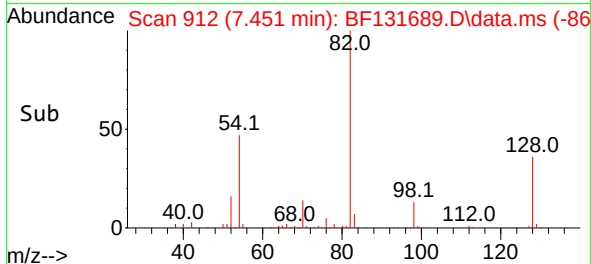
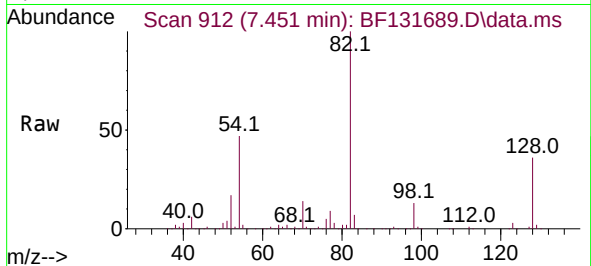
#23
Nitrobenzene-d5
Concen: 88.419 ng
RT: 7.451 min Scan# 915
Delta R.T. 0.006 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MSD

Tgt Ion: 82 Resp: 652307
Ion Ratio Lower Upper
82 100
128 36.5 26.1 39.1
54 47.0 40.6 60.8

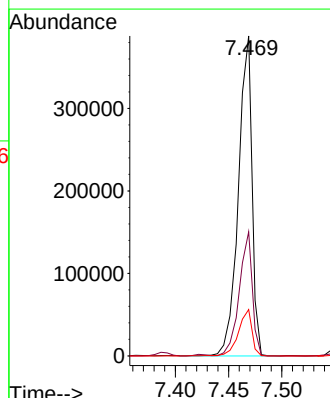
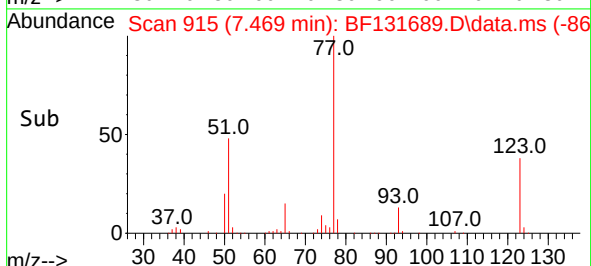
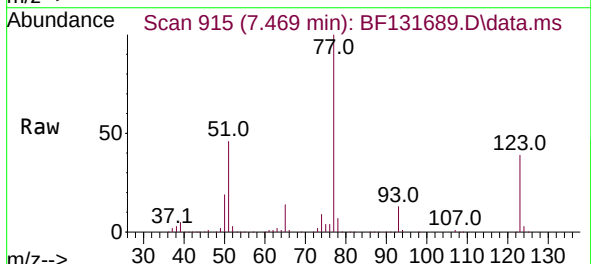
Manual Integrations
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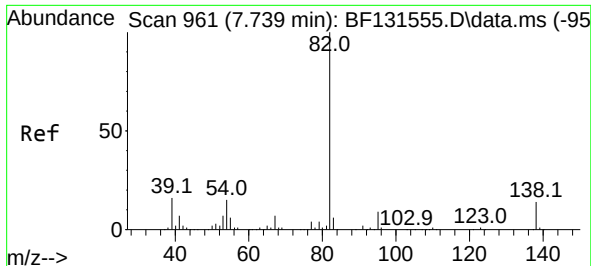
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#24
Nitrobenzene
Concen: 46.432 ng
RT: 7.469 min Scan# 915
Delta R.T. 0.006 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

Tgt Ion: 77 Resp: 345496
Ion Ratio Lower Upper
77 100
123 38.8 27.1 40.7
65 14.5 11.9 17.9





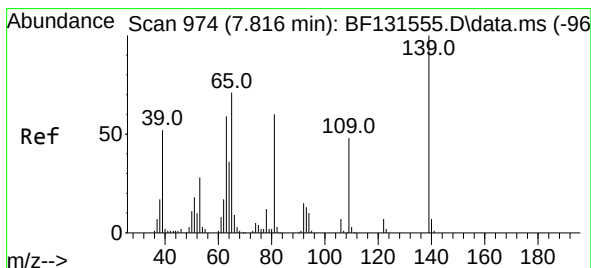
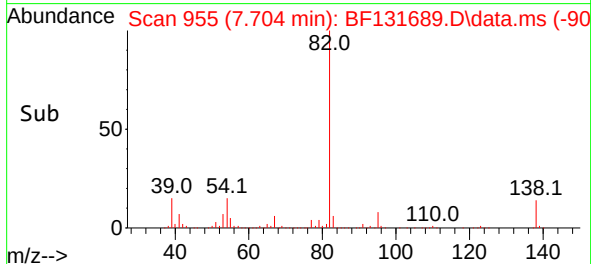
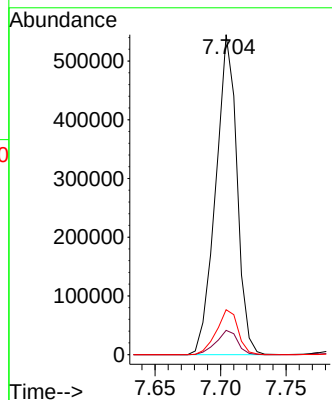
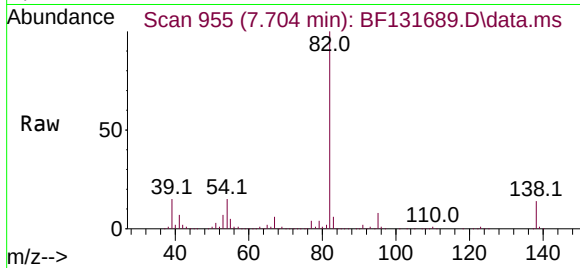
#25
Isophorone
Concen: 51.609 ng
RT: 7.704 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MSD

Tgt Ion: 82 Resp: 613284
Ion Ratio Lower Upper
82 100
95 7.6 6.9 10.3
138 14.0 11.4 17.0

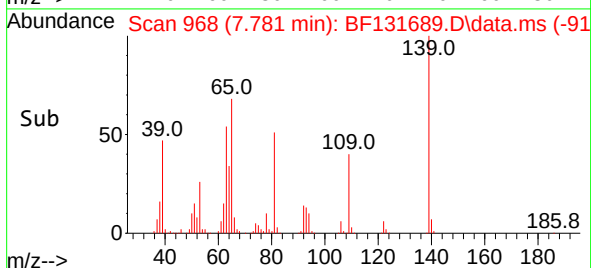
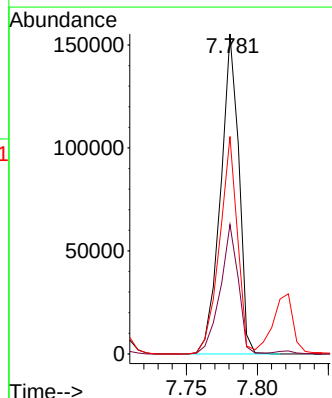
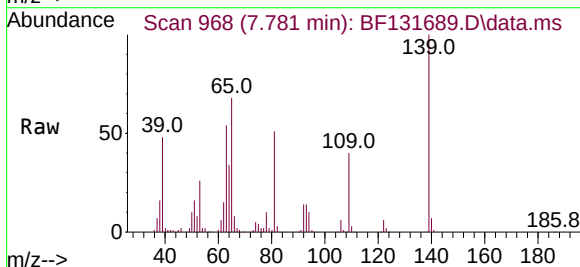
Manual Integrations
APPROVED

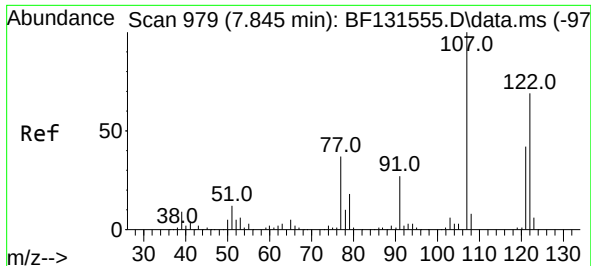
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#26
2-Nitrophenol
Concen: 54.690 ng
RT: 7.781 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

Tgt Ion:139 Resp: 138774
Ion Ratio Lower Upper
139 100
109 40.4 38.6 58.0
65 67.9 56.5 84.7





#27

2,4-Dimethylphenol

Concen: 58.781 ng

RT: 7.822 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF131689.D

Acq: 19 Dec 2022 15:18

Instrument :

BNA_F

ClientSampleId :

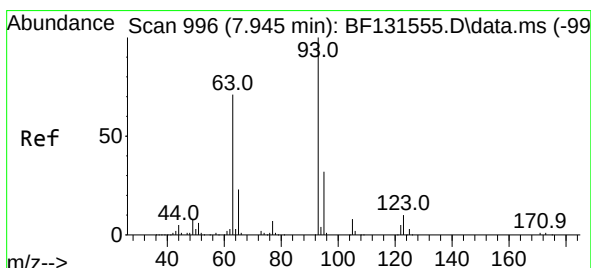
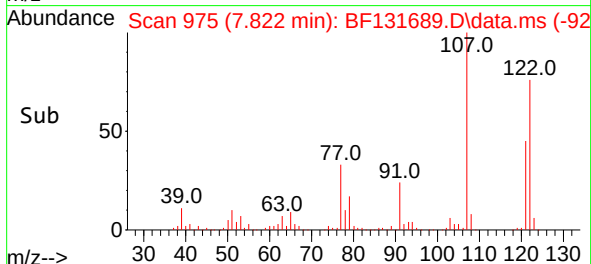
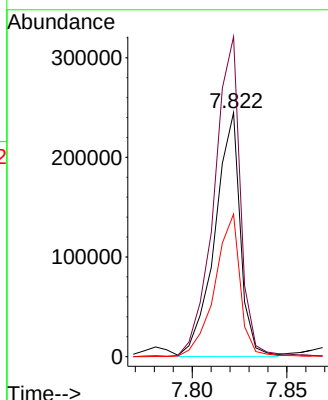
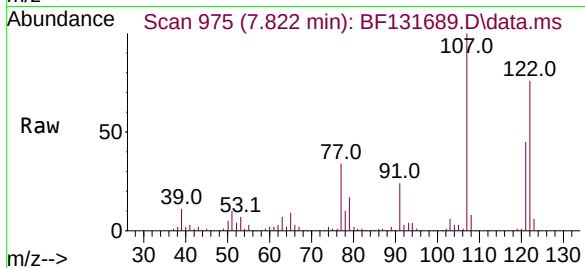
WC-SOIL-20221214MSD

Tgt Ion:122 Resp: 228616
 Ion Ratio Lower Upper
 122 100
 107 131.1 114.2 171.2
 121 58.4 48.2 72.2

Manual Integrations

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



#28

bis(2-Chloroethoxy)methane

Concen: 55.486 ng

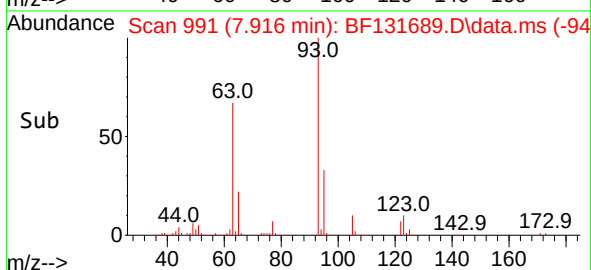
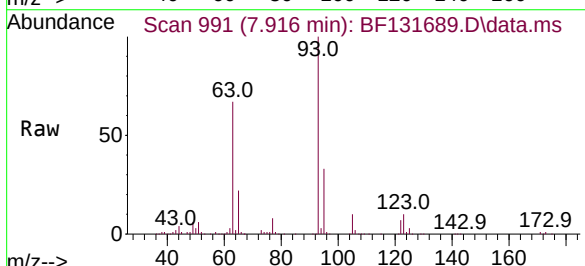
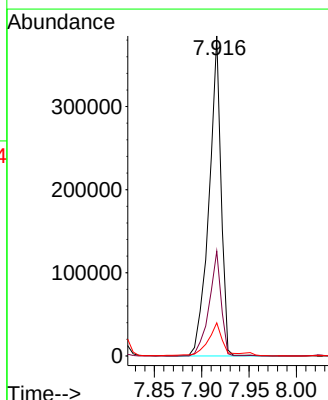
RT: 7.916 min Scan# 991

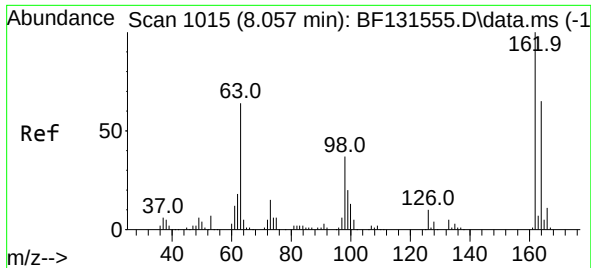
Delta R.T. 0.000 min

Lab File: BF131689.D

Acq: 19 Dec 2022 15:18

Tgt Ion: 93 Resp: 341090
 Ion Ratio Lower Upper
 93 100
 95 32.7 25.8 38.6
 123 10.3 8.1 12.1





#29

2,4-Dichlorophenol

Concen: 48.539 ng

RT: 8.028 min Scan# 1010

Delta R.T. 0.006 min

Lab File: BF131689.D

Acq: 19 Dec 2022 15:18

Instrument :

BNA_F

ClientSampleId :

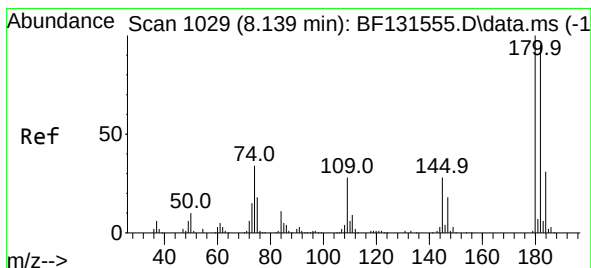
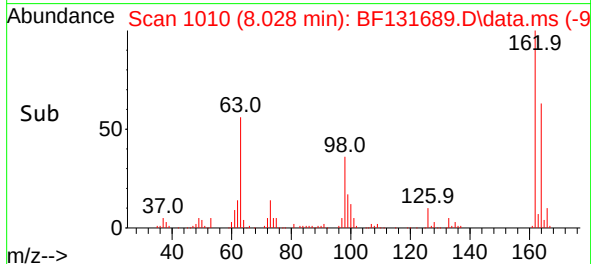
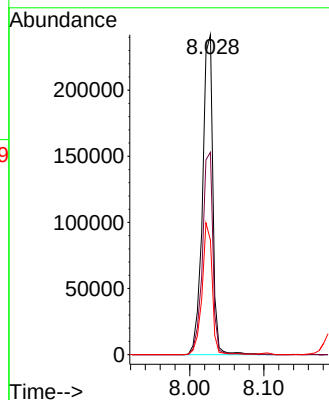
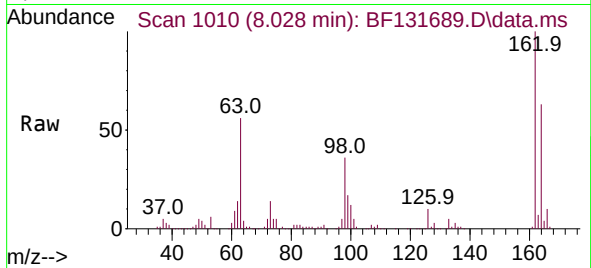
WC-SOIL-20221214MSD

Tgt Ion:162	Resp: 233423
Ion Ratio	Lower Upper
162 100	
164 63.2	45.0 85.0
98 35.8	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: 45.316 ng

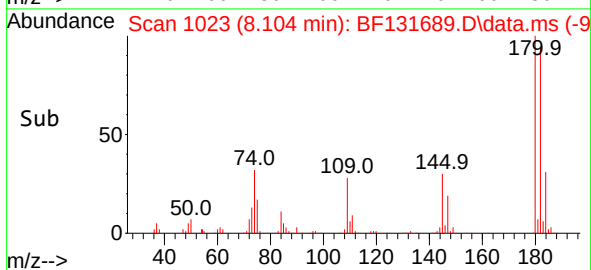
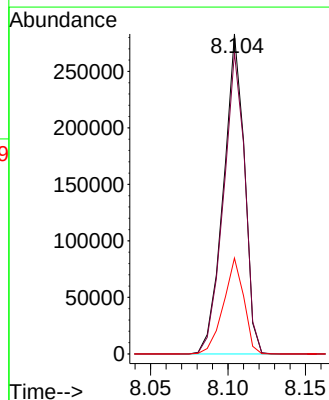
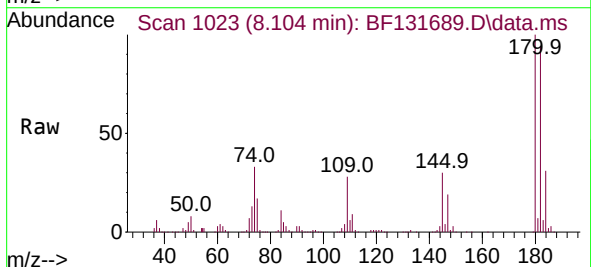
RT: 8.104 min Scan# 1023

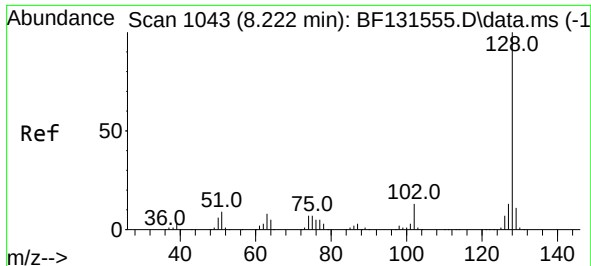
Delta R.T. 0.000 min

Lab File: BF131689.D

Acq: 19 Dec 2022 15:18

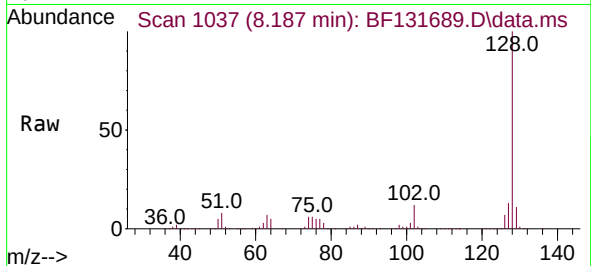
Tgt Ion:180	Resp: 267247
Ion Ratio	Lower Upper
180 100	
182 94.1	75.8 113.6
145 29.9	22.4 33.6





#31
Naphthalene
Concen: 47.826 ng
RT: 8.187 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

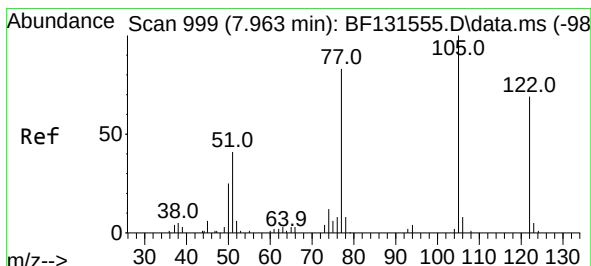
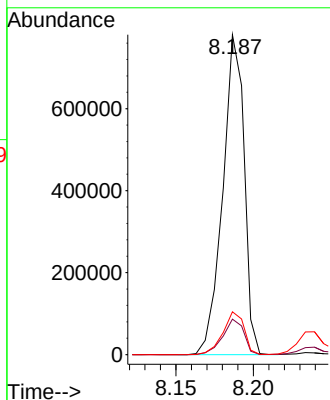
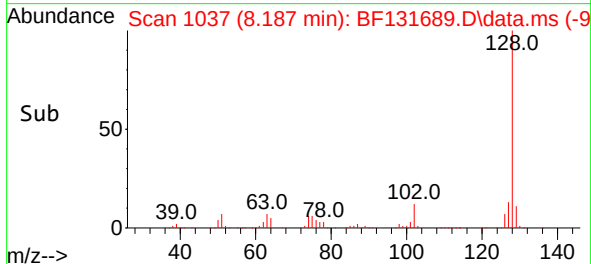
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MSD



Tgt Ion:128 Resp: 751324
Ion Ratio Lower Upper
128 100
129 11.1 8.9 13.3
127 13.4 10.6 15.8

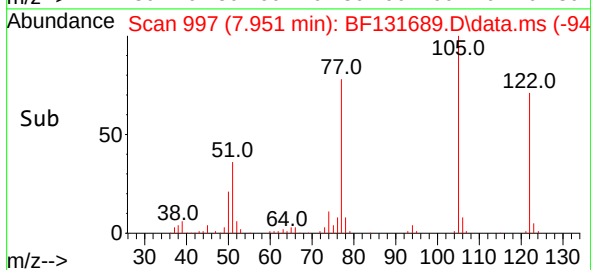
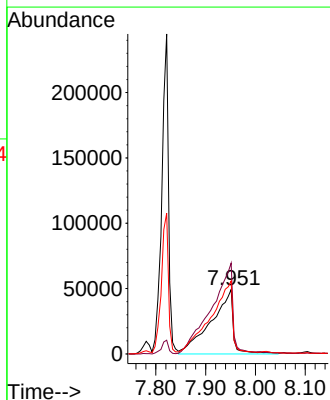
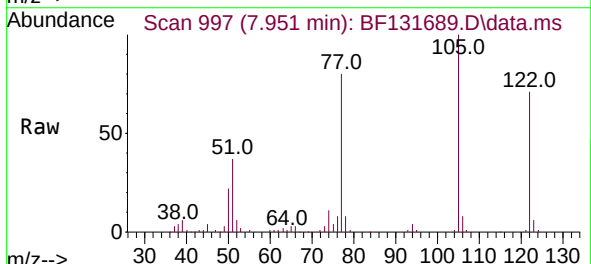
Manual Integrations
APPROVED

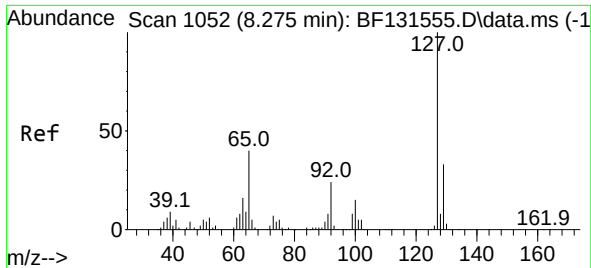
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#32
Benzoic acid
Concen: 54.250 ng m
RT: 7.951 min Scan# 997
Delta R.T. 0.024 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

Tgt Ion:122 Resp: 152804
Ion Ratio Lower Upper
122 100
105 140.8 119.8 159.8
77 113.1 97.6 137.6





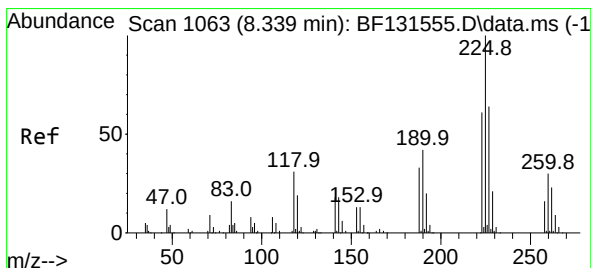
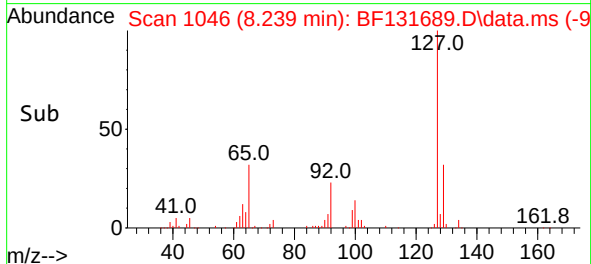
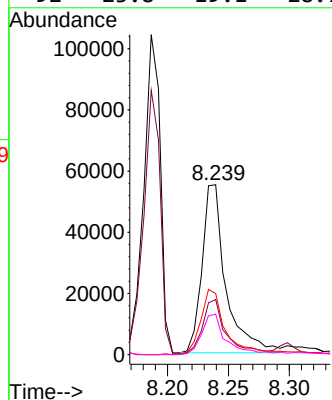
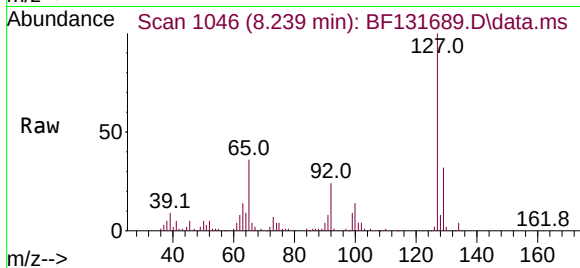
#33
4-Chloroaniline
Concen: 12.739 ng
RT: 8.239 min Scan# 1046
Delta R.T. 0.000 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MSD

Tgt Ion:	127	Resp:	75012
Ion Ratio	Lower	Upper	
127	100		
129	32.5	26.4	39.6
65	35.9	31.9	47.9
92	23.8	19.1	28.7

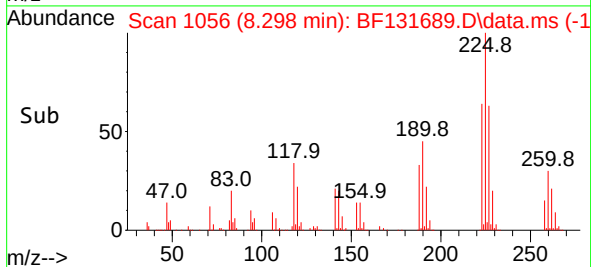
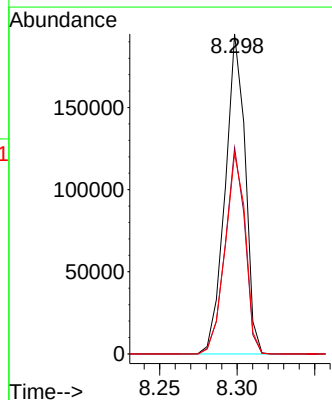
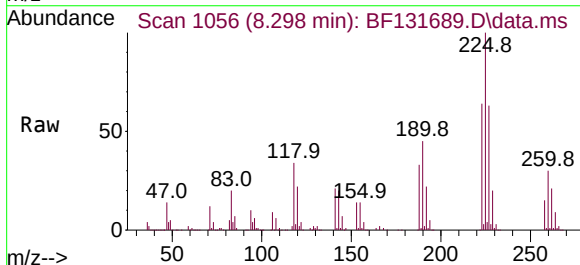
Manual Integrations
APPROVED

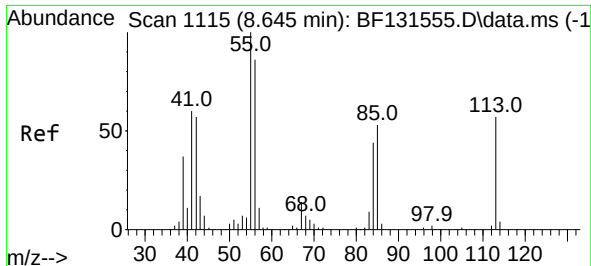
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#34
Hexachlorobutadiene
Concen: 42.116 ng
RT: 8.298 min Scan# 1056
Delta R.T. -0.006 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

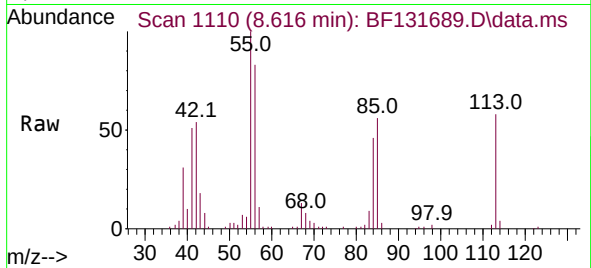
Tgt Ion:	225	Resp:	175050
Ion Ratio	Lower	Upper	
225	100		
223	64.5	48.7	73.1
227	62.6	51.0	76.6





#35
 Caprolactam
 Concen: 45.033 ng m
 RT: 8.616 min Scan# 1110
 Delta R.T. 0.012 min
 Lab File: BF131689.D
 Acq: 19 Dec 2022 15:18

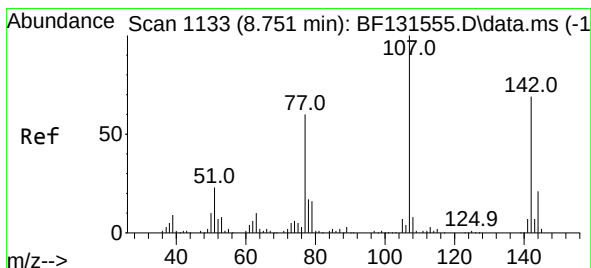
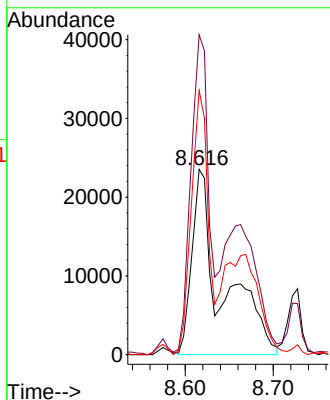
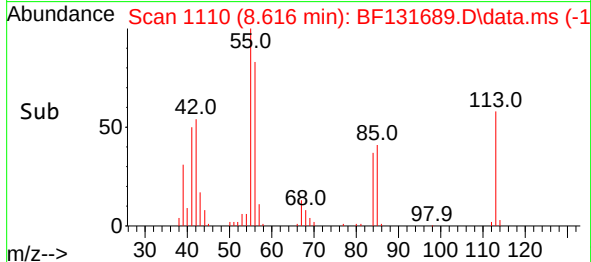
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20221214MSD



Tgt Ion:113 Resp: 56021
 Ion Ratio Lower Upper
 113 100
 55 172.8 155.8 195.8
 56 142.6 131.7 171.7

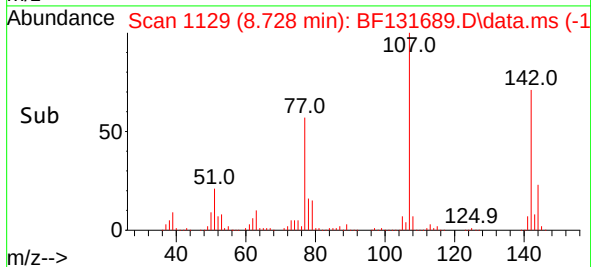
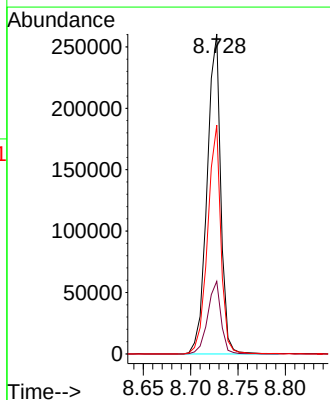
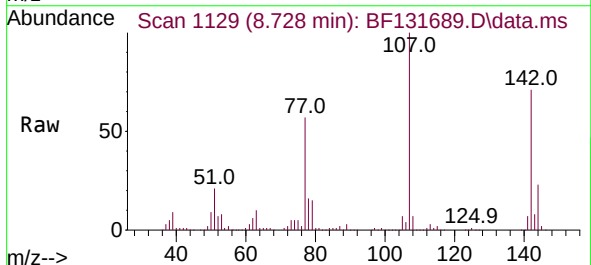
Manual Integrations
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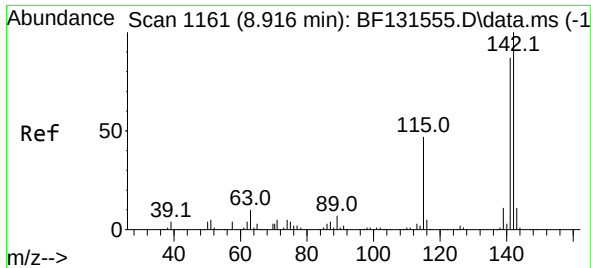
Reviewed By :Christian Giraldo 12/20/2022
 Supervised By :Jagrut Upadhyay 12/20/2022



#36
 4-Chloro-3-methylphenol
 Concen: 48.605 ng
 RT: 8.728 min Scan# 1129
 Delta R.T. 0.012 min
 Lab File: BF131689.D
 Acq: 19 Dec 2022 15:18

Tgt Ion:107 Resp: 262472
 Ion Ratio Lower Upper
 107 100
 144 22.7 17.0 25.4
 142 71.5 54.8 82.2





#37

2-Methylnaphthalene

Concen: 47.444 ng

RT: 8.881 min Scan# 1161

Delta R.T. 0.000 min

Lab File: BF131689.D

Acq: 19 Dec 2022 15:18

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20221214MSD

Tgt Ion:142 Resp: 509724

Ion Ratio Lower Upper

142 100

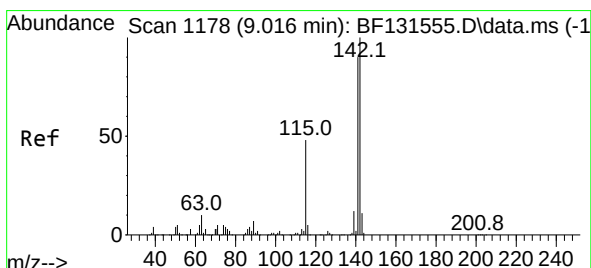
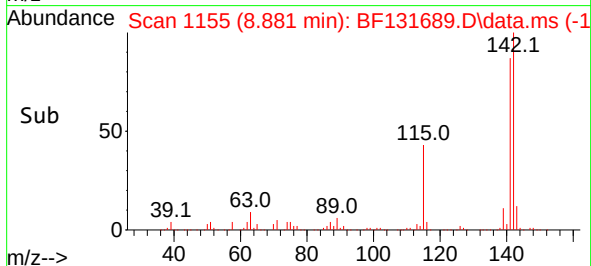
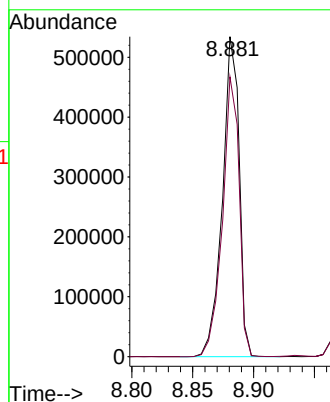
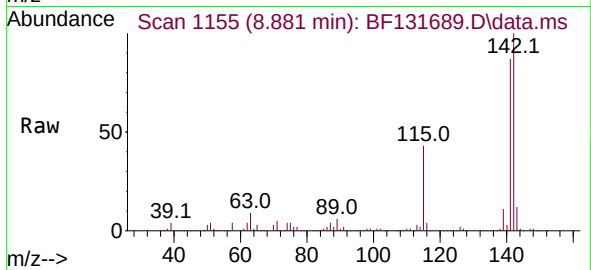
141 87.4 69.7 104.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/20/2022

Supervised By :Jagrut Upadhyay 12/20/2022



#38

1-Methylnaphthalene

Concen: 45.216 ng

RT: 8.981 min Scan# 1172

Delta R.T. 0.000 min

Lab File: BF131689.D

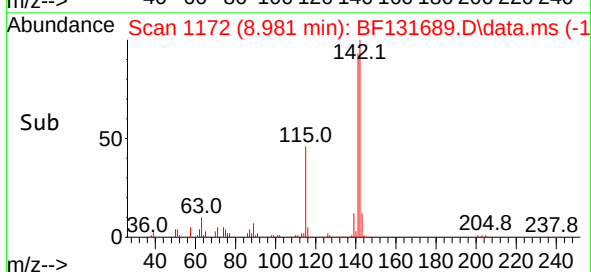
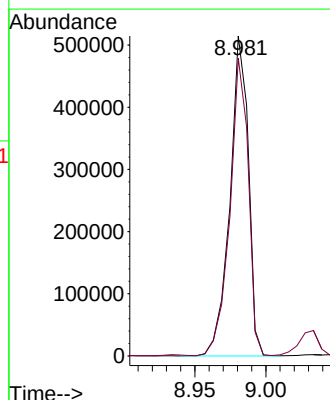
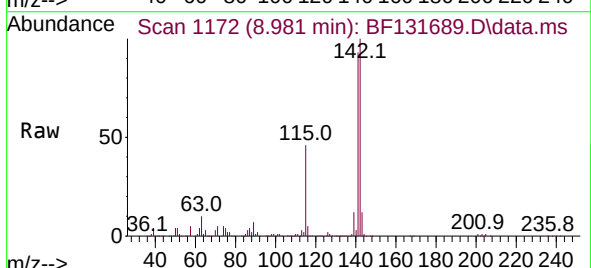
Acq: 19 Dec 2022 15:18

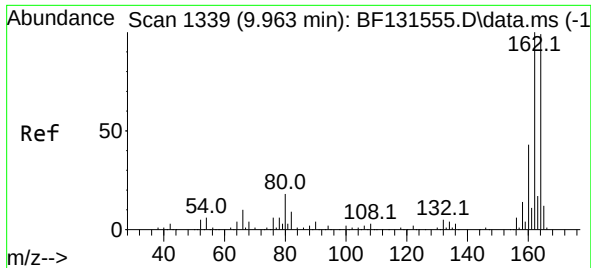
Tgt Ion:142 Resp: 466337

Ion Ratio Lower Upper

142 100

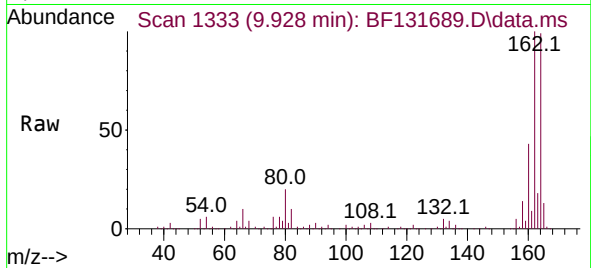
141 93.1 71.9 107.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.928 min Scan# 1339
Delta R.T. 0.000 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

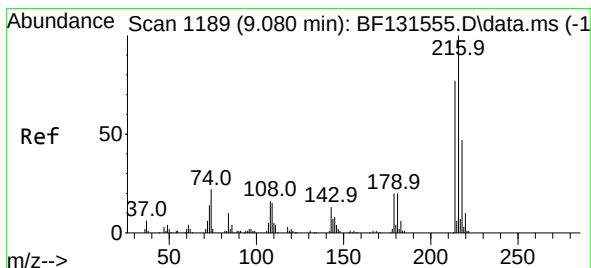
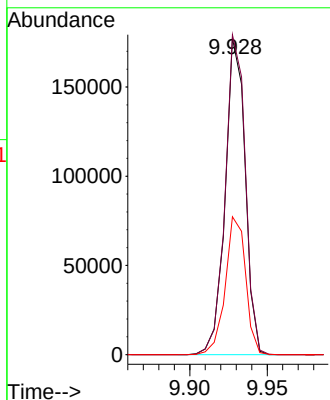
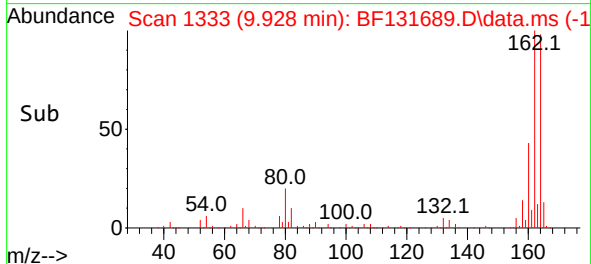
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MSD



Tgt Ion:164 Resp: 158917
Ion Ratio Lower Upper
164 100
162 101.2 81.0 121.6
160 43.6 35.0 52.6

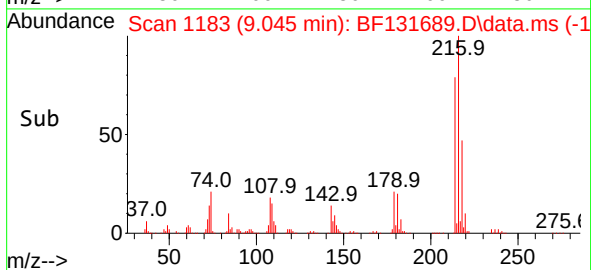
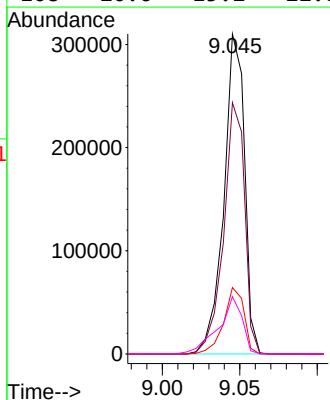
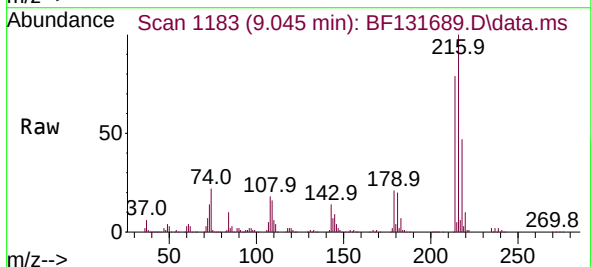
Manual Integrations
APPROVED

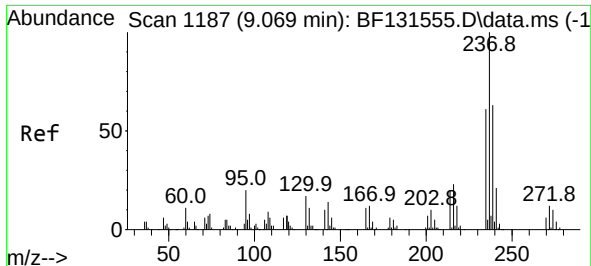
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.946 ng
RT: 9.045 min Scan# 1183
Delta R.T. 0.000 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

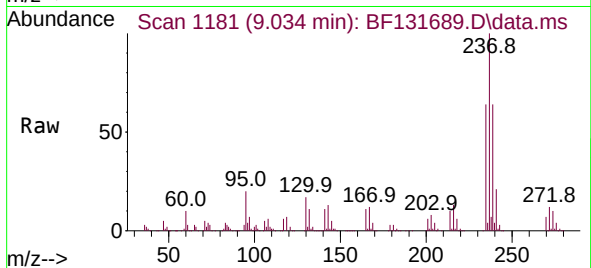
Tgt Ion:216 Resp: 287937
Ion Ratio Lower Upper
216 100
214 79.3 62.1 93.1
179 20.4 16.0 24.0
108 20.6 15.2 22.8





#41
Hexachlorocyclopentadiene
Concen: 114.477 ng
RT: 9.034 min Scan# 1187
Delta R.T. 0.000 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

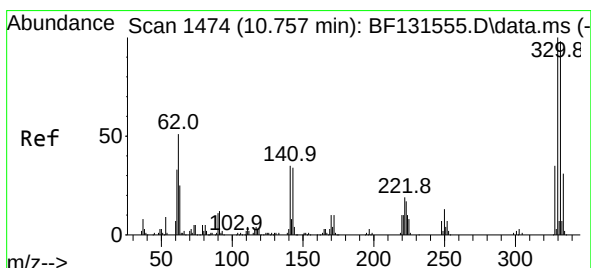
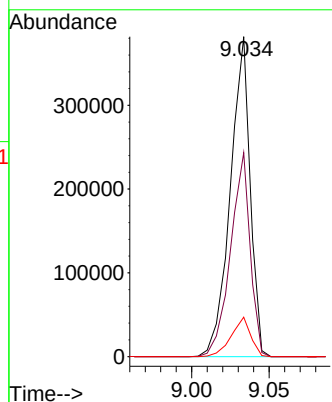
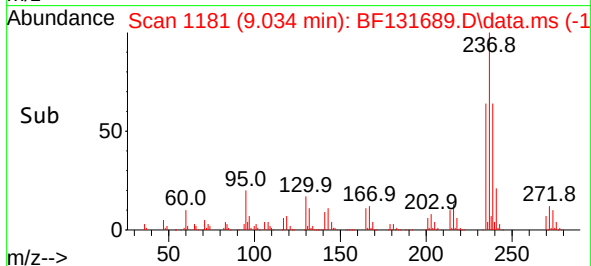
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MSD



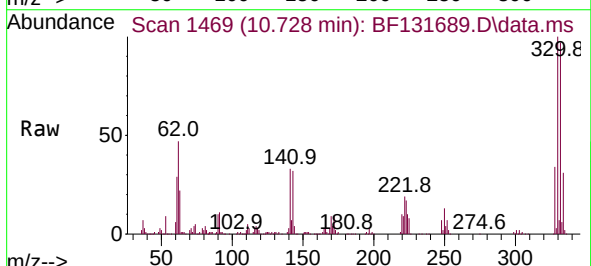
Tgt Ion: 237 Resp: 341821
Ion Ratio Lower Upper
237 100
235 63.7 40.6 80.6
272 12.3 0.0 32.2

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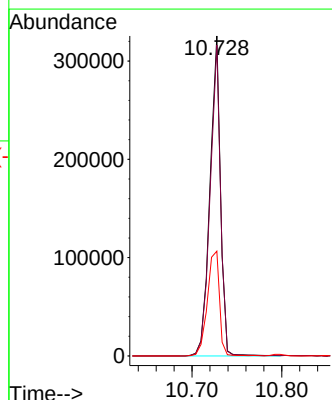
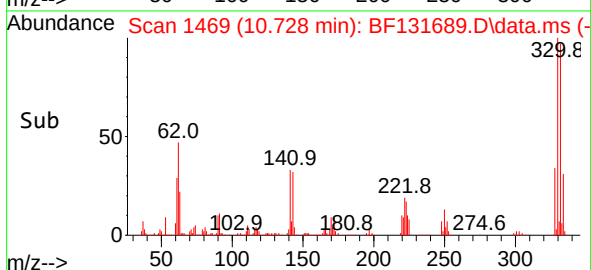
Reviewed By : Christian Giraldo 12/20/2022
Supervised By : Jagrut Upadhyay 12/20/2022

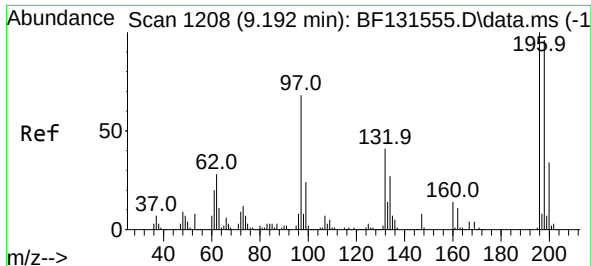


#42
2,4,6-Tribromophenol
Concen: 149.932 ng
RT: 10.728 min Scan# 1469
Delta R.T. 0.006 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18



Tgt Ion: 330 Resp: 264723
Ion Ratio Lower Upper
330 100
332 96.6 78.3 117.5
141 37.7 32.6 49.0





#43

2,4,6-Trichlorophenol

Concen: 50.306 ng

RT: 9.163 min Scan# 1210

Delta R.T. 0.006 min

Lab File: BF131689.D

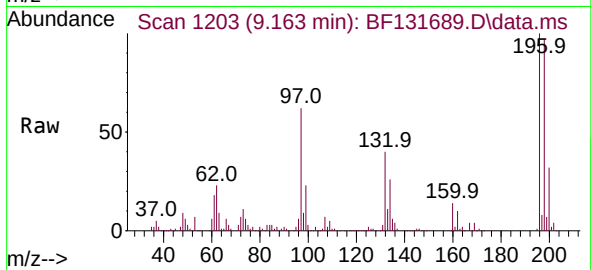
Acq: 19 Dec 2022 15:18

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20221214MSD



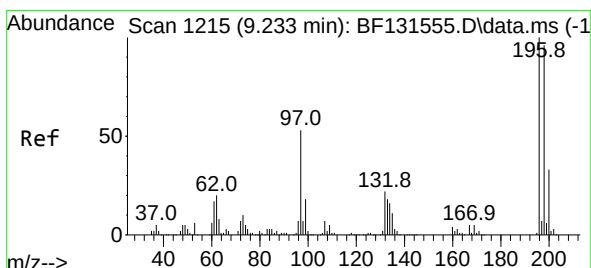
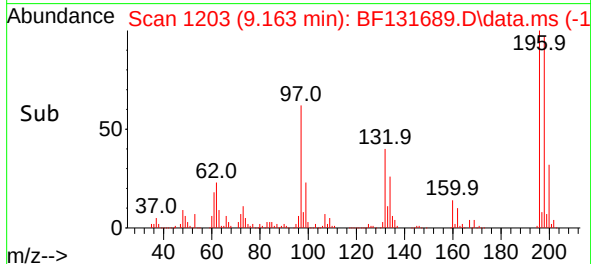
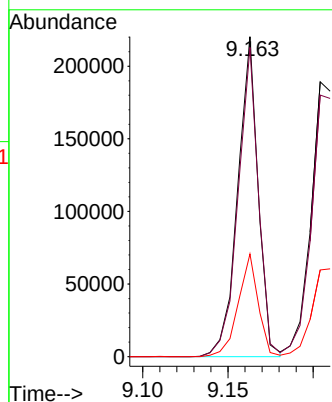
Tgt Ion:	196	Resp:	18304
Ion Ratio	Lower	Upper	
196	100		
198	96.6	76.9	115.3
200	32.1	26.9	40.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/20/2022

Supervised By :Jagrut Upadhyay 12/20/2022



#44

2,4,5-Trichlorophenol

Concen: 49.967 ng

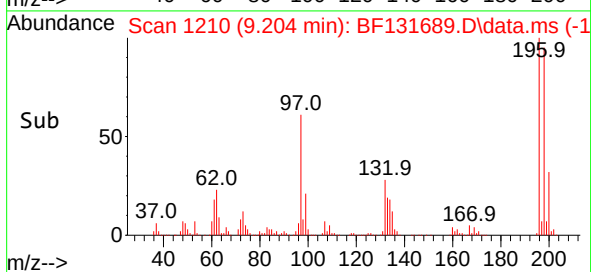
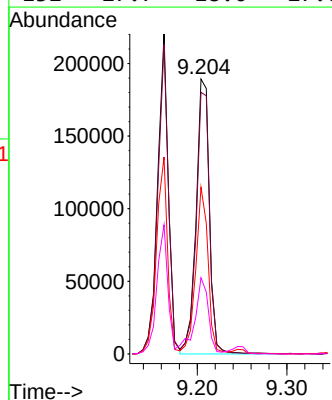
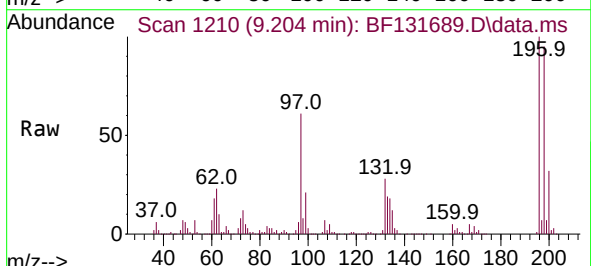
RT: 9.204 min Scan# 1210

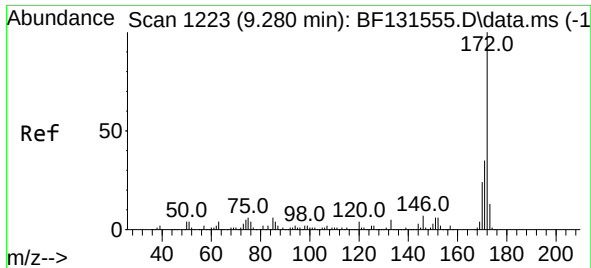
Delta R.T. 0.006 min

Lab File: BF131689.D

Acq: 19 Dec 2022 15:18

Tgt Ion:	196	Resp:	195531
Ion Ratio	Lower	Upper	
196	100		
198	95.1	77.2	115.8
97	60.6	42.2	63.2
132	27.7	18.0	27.0





#45

2-Fluorobiphenyl

Concen: 89.525 ng

RT: 9.245 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF131689.D

Acq: 19 Dec 2022 15:18

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20221214MSD

Tgt Ion:172 Resp: 1128352

Ion Ratio Lower Upper

172 100

171 34.7 28.3 42.5

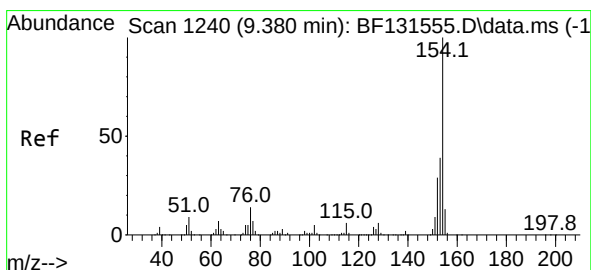
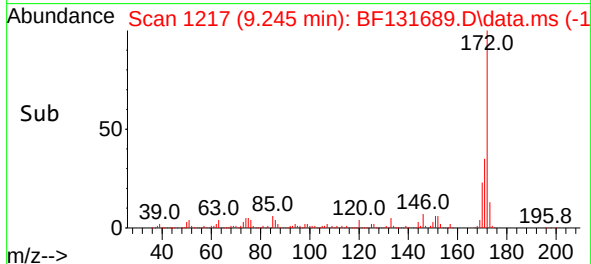
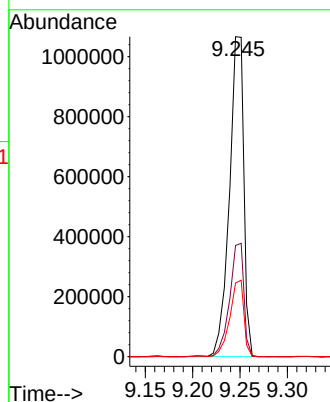
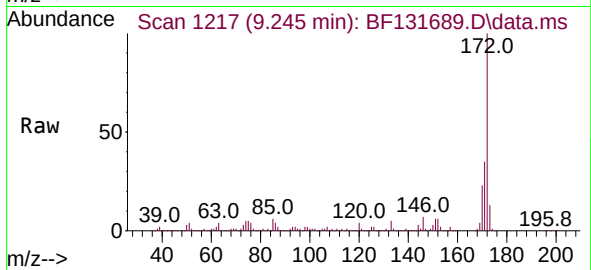
170 23.0 19.3 28.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/20/2022

Supervised By :Jagrut Upadhyay 12/20/2022



#46

1,1'-Biphenyl

Concen: 50.320 ng

RT: 9.351 min Scan# 1235

Delta R.T. 0.006 min

Lab File: BF131689.D

Acq: 19 Dec 2022 15:18

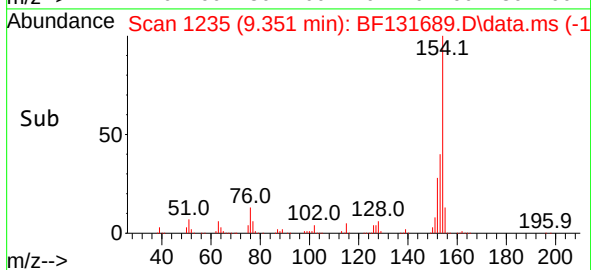
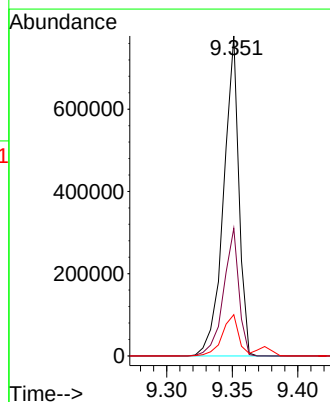
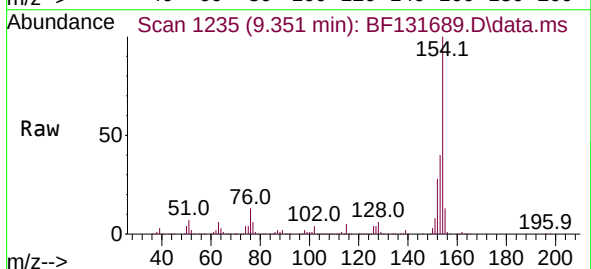
Tgt Ion:154 Resp: 632260

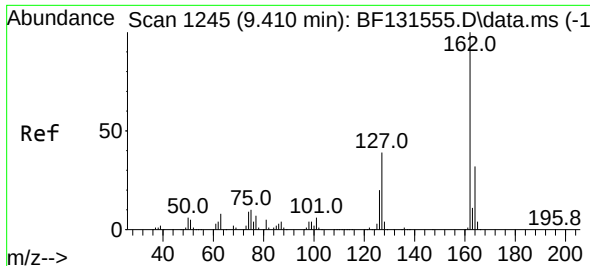
Ion Ratio Lower Upper

154 100

153 39.9 19.4 59.4

76 12.9 0.0 34.0





#47

2-Chloronaphthalene

Concen: 49.699 ng

RT: 9.375 min Scan# 1239

Delta R.T. 0.000 min

Lab File: BF131689.D

Acq: 19 Dec 2022 15:18

Instrument :

BNA_F

ClientSampleId :

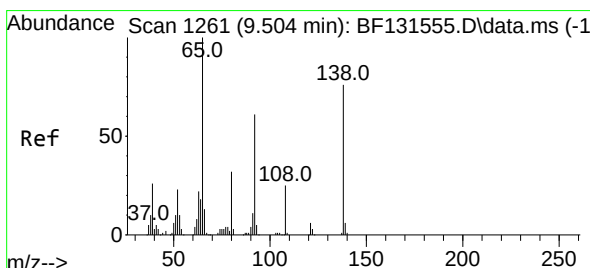
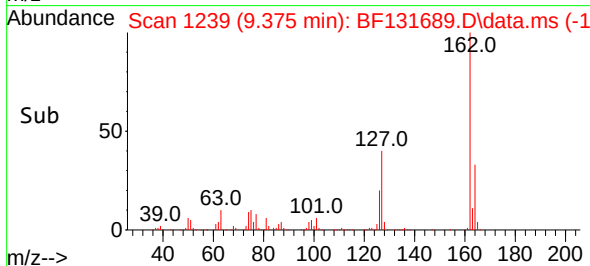
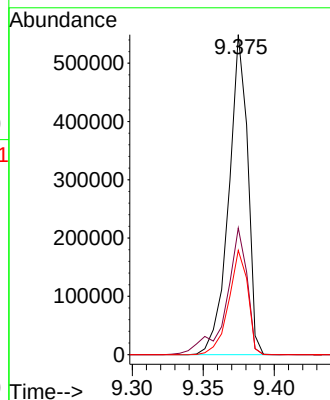
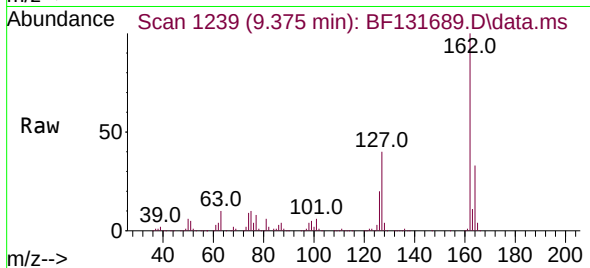
WC-SOIL-20221214MSD

Tgt Ion:162 Resp: 50877

Ion	Ratio	Lower	Upper
162	100		
127	39.6	31.4	47.2
164	32.6	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: 47.215 ng

RT: 9.475 min Scan# 1256

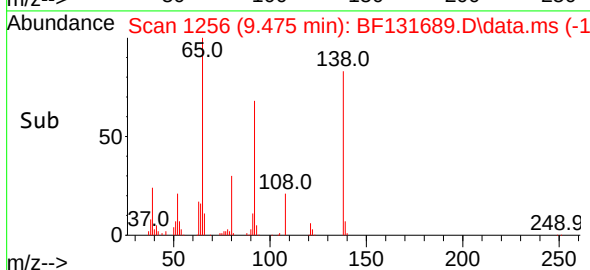
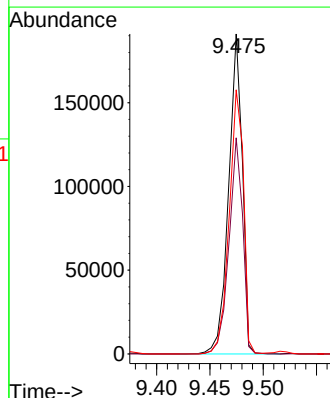
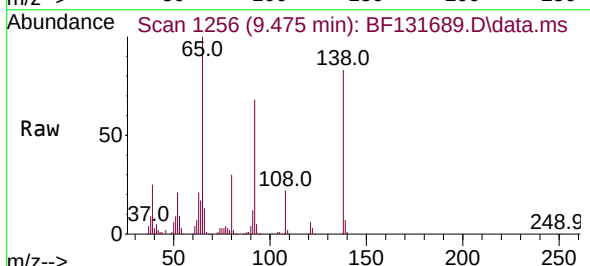
Delta R.T. 0.006 min

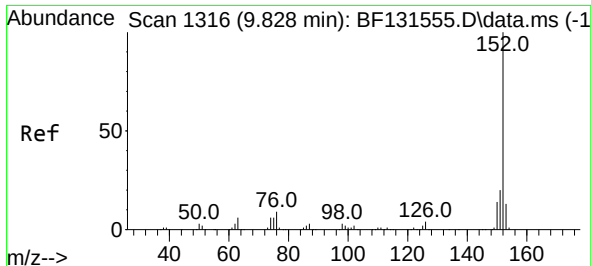
Lab File: BF131689.D

Acq: 19 Dec 2022 15:18

Tgt Ion: 65 Resp: 171222

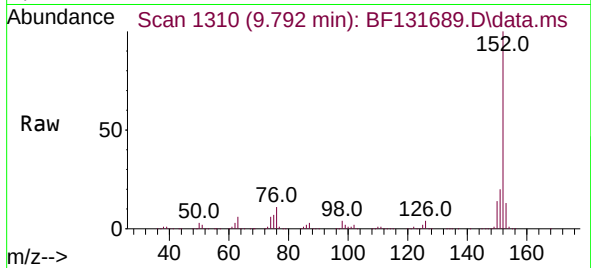
Ion	Ratio	Lower	Upper
65	100		
92	67.5	49.2	73.8
138	82.6	60.7	91.1





#49
Acenaphthylene
Concen: 50.083 ng
RT: 9.792 min Scan# 1316
Delta R.T. 0.000 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

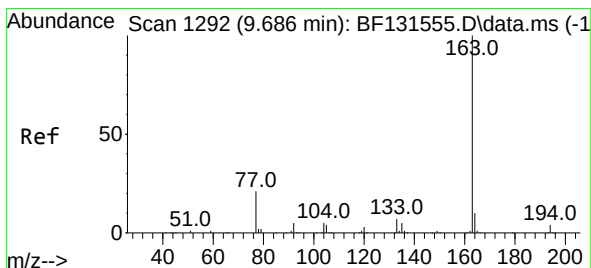
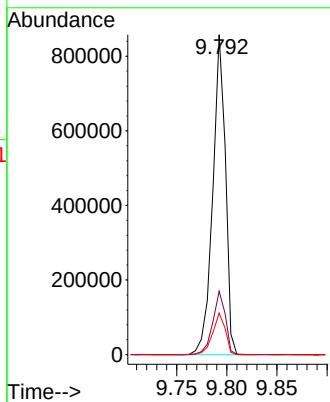
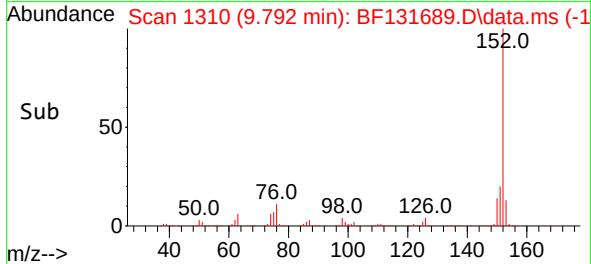
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MSD



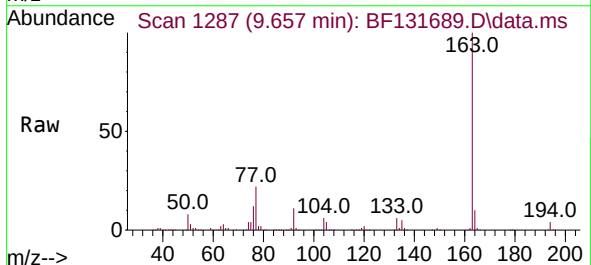
Tgt Ion:152 Resp: 752809
Ion Ratio Lower Upper
152 100
151 19.8 15.6 23.4
153 13.0 10.4 15.6

Manual Integrations
APPROVED

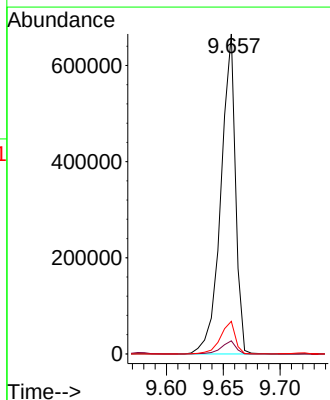
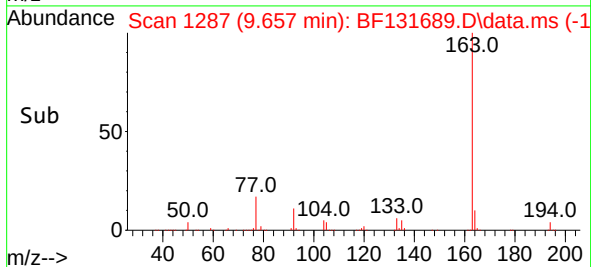
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022

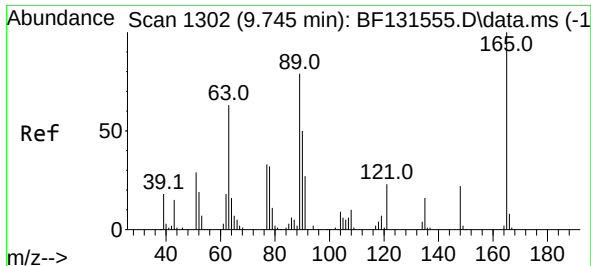


#50
Dimethylphthalate
Concen: 48.967 ng
RT: 9.657 min Scan# 1287
Delta R.T. 0.012 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18



Tgt Ion:163 Resp: 593208
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 10.2 7.8 11.6





#51

2,6-Dinitrotoluene

Concen: 52.196 ng

RT: 9.722 min Scan# 1302

Delta R.T. 0.012 min

Lab File: BF131689.D

Acq: 19 Dec 2022 15:18

Instrument :

BNA_F

ClientSampleId :

WC-SOIL-20221214MSD

Tgt Ion:165 Resp: 13054

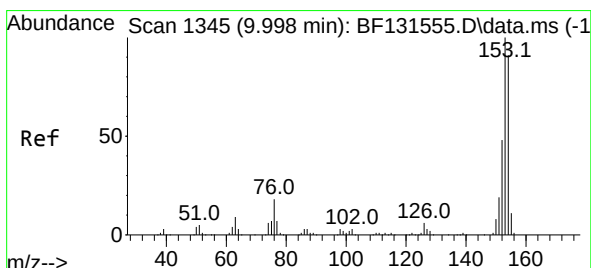
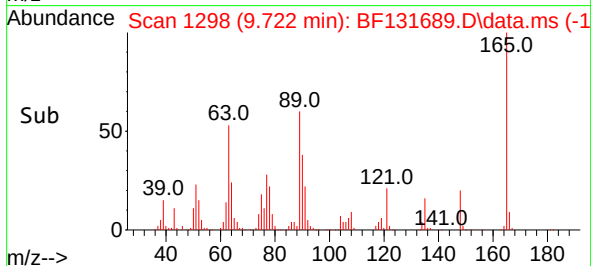
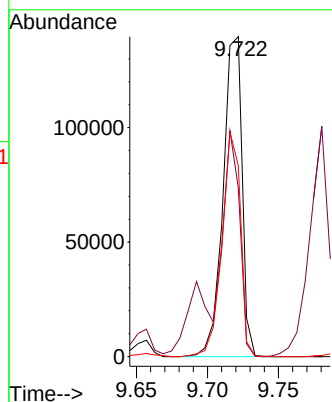
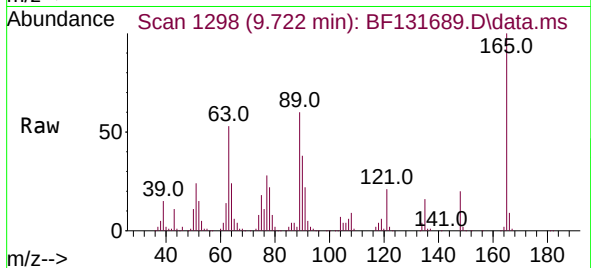
Ion	Ratio	Lower	Upper
165	100		
63	52.8	67.9	101.9
89	59.7	63.2	94.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 12/20/2022

Supervised By :Jagrut Upadhyay 12/20/2022



#52

Acenaphthene

Concen: 53.739 ng m

RT: 9.963 min Scan# 1339

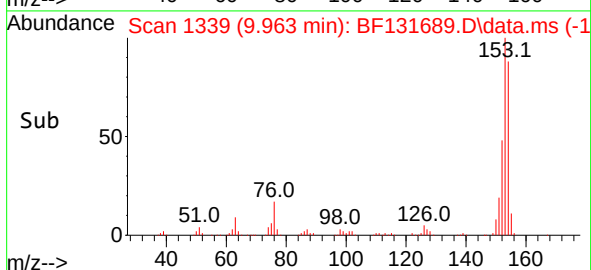
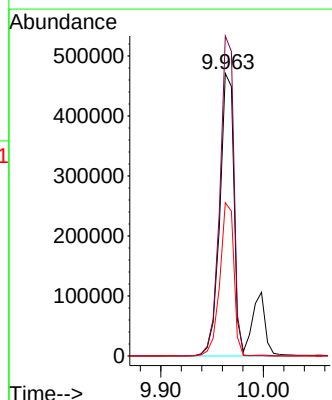
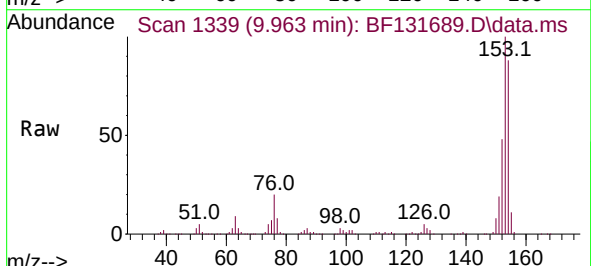
Delta R.T. 0.000 min

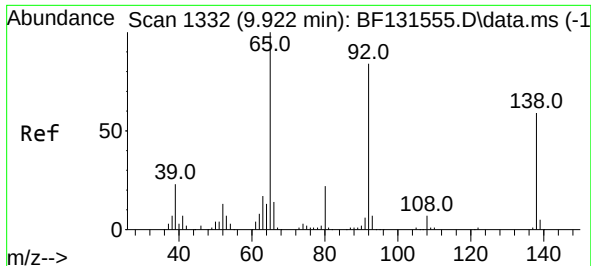
Lab File: BF131689.D

Acq: 19 Dec 2022 15:18

Tgt Ion:154 Resp: 541129

Ion	Ratio	Lower	Upper
154	100		
153	113.3	87.9	131.9
152	54.2	42.4	63.6





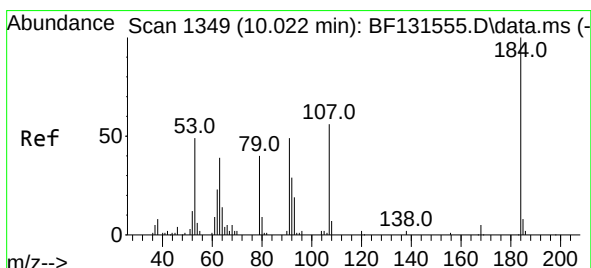
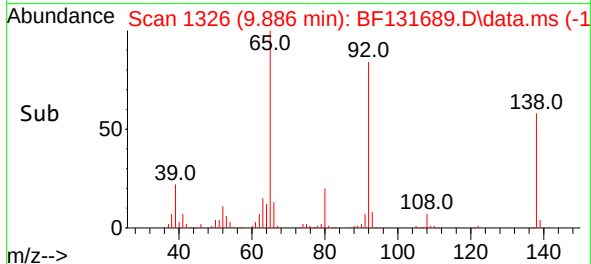
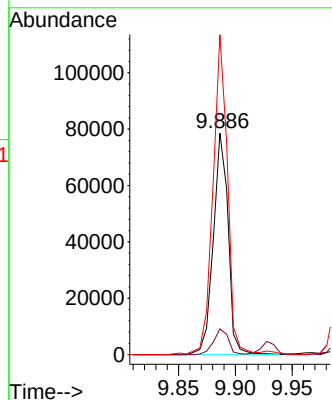
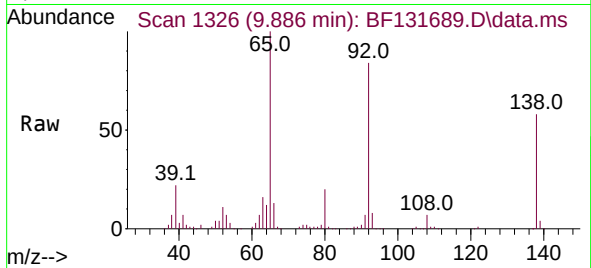
#53
3-Nitroaniline
Concen: 29.708 ng
RT: 9.886 min Scan# 1326
Delta R.T. 0.000 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MSD

Tgt Ion:138 Resp: 7128
Ion Ratio Lower Upper
138 100
108 11.6 9.6 14.4
92 144.6 113.4 170.0

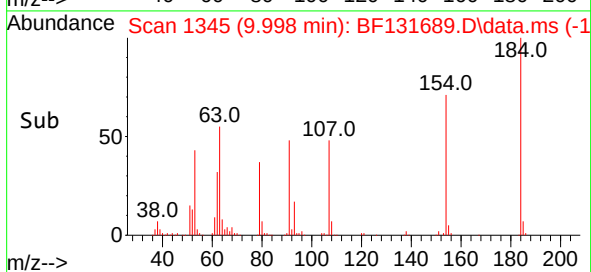
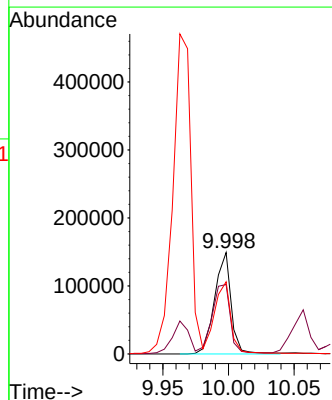
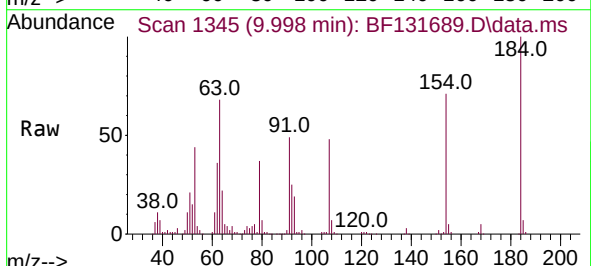
Manual Integrations
APPROVED

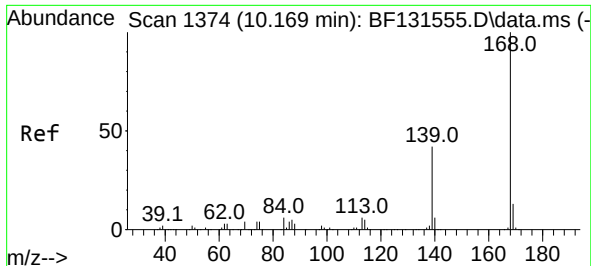
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#54
2,4-Dinitrophenol
Concen: 90.475 ng
RT: 9.998 min Scan# 1345
Delta R.T. 0.012 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

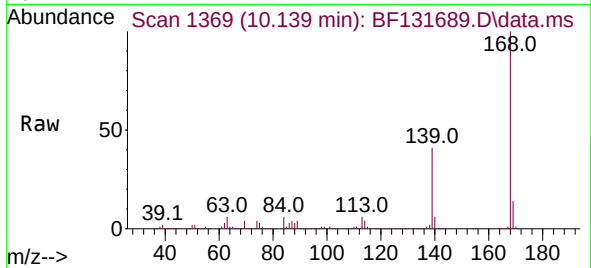
Tgt Ion:184 Resp: 130342
Ion Ratio Lower Upper
184 100
63 68.4 60.7 91.1
154 71.1 59.0 88.6





#55
Dibenzofuran
Concen: 48.222 ng
RT: 10.139 min Scan# 1369
Delta R.T. 0.006 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

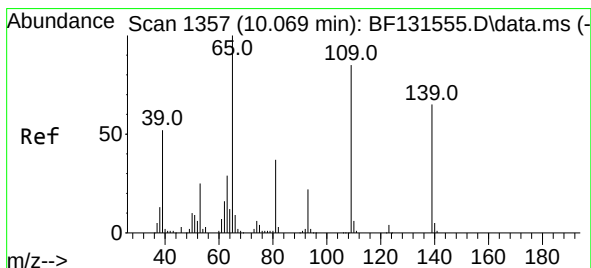
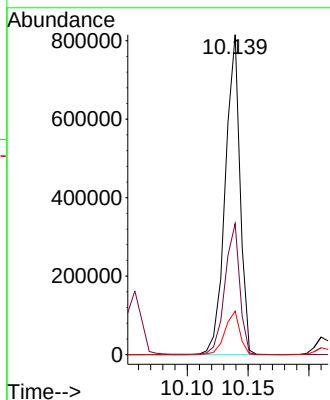
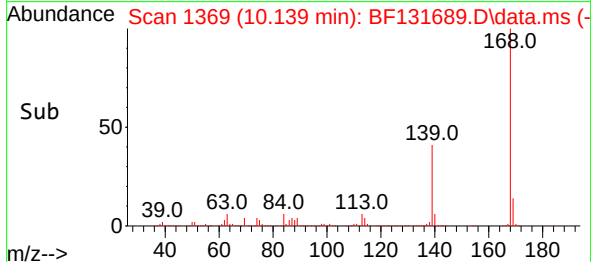
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MSD



Tgt Ion:168 Resp: 686090
Ion Ratio Lower Upper
168 100
139 41.0 33.9 50.9
169 13.6 10.7 16.1

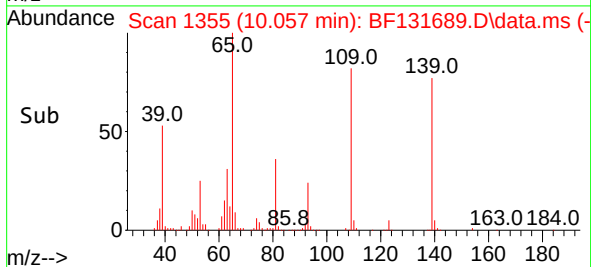
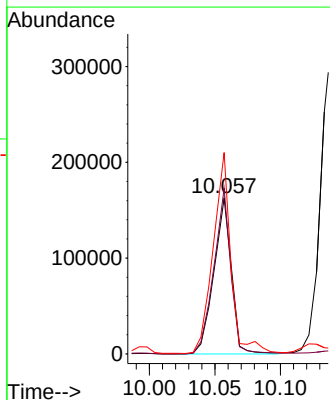
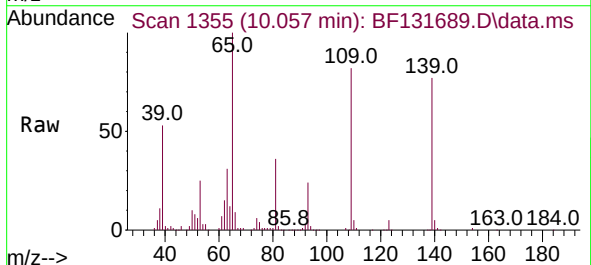
Manual Integrations
APPROVED

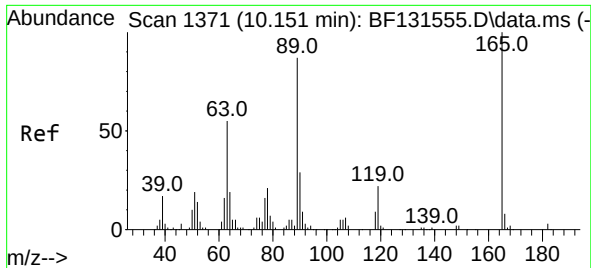
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#56
4-Nitrophenol
Concen: 90.873 ng
RT: 10.057 min Scan# 1355
Delta R.T. 0.018 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

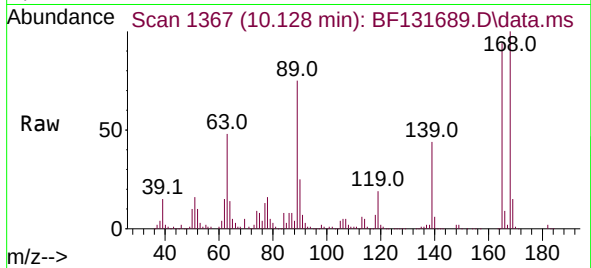
Tgt Ion:139 Resp: 151483
Ion Ratio Lower Upper
139 100
109 106.3 110.2 150.2#
65 129.5 133.3 173.3#





#57
2,4-Dinitrotoluene
Concen: 51.007 ng
RT: 10.128 min Scan# 1367
Delta R.T. 0.012 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

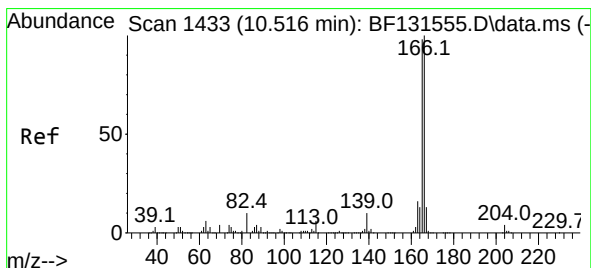
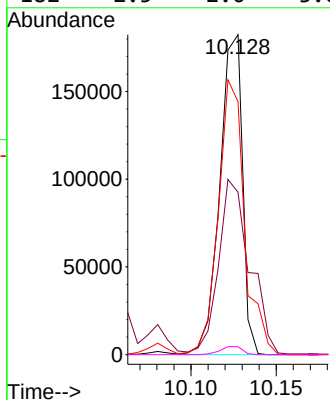
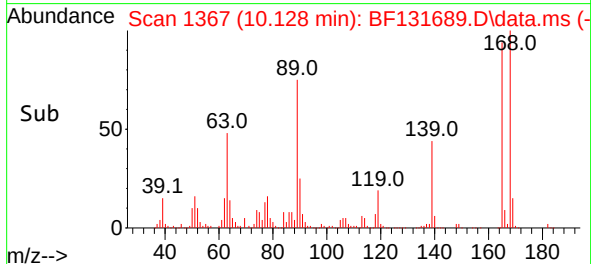
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MSD



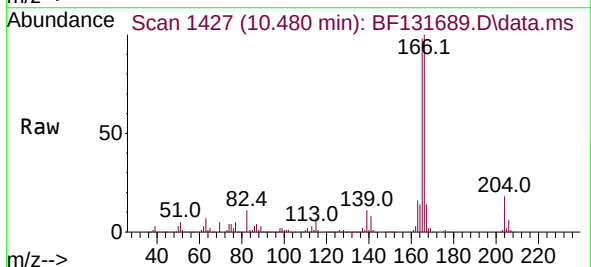
Tgt Ion:165 Resp: 169224
Ion Ratio Lower Upper
165 100
63 50.7 44.4 66.6
89 79.0 69.6 104.4
182 2.5 2.0 3.0

Manual Integrations
APPROVED

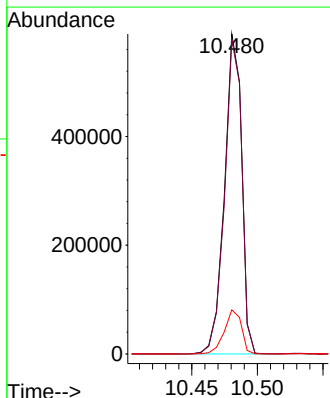
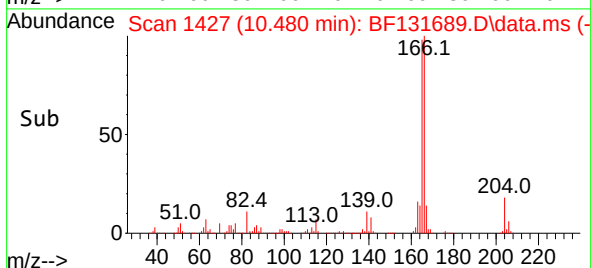
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022

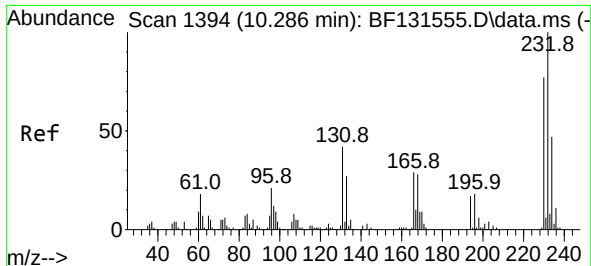


#58
Fluorene
Concen: 46.573 ng
RT: 10.480 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18



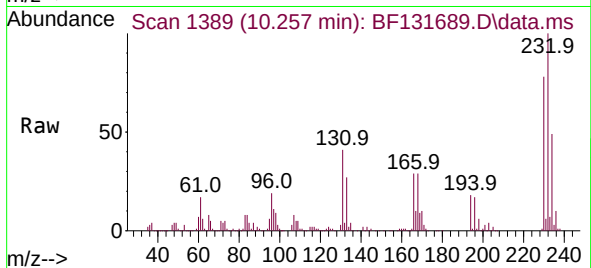
Tgt Ion:166 Resp: 538692
Ion Ratio Lower Upper
166 100
165 98.3 78.4 117.6
167 13.8 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 46.652 ng m
RT: 10.257 min Scan# 1394
Delta R.T. 0.006 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

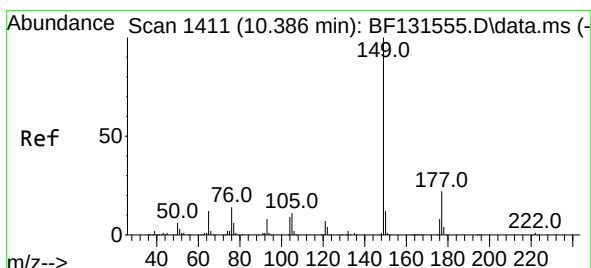
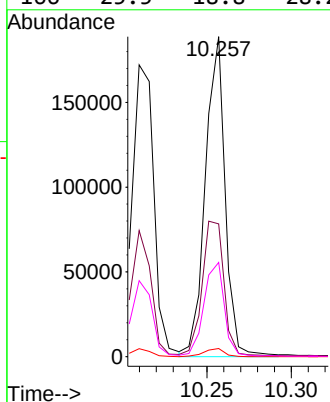
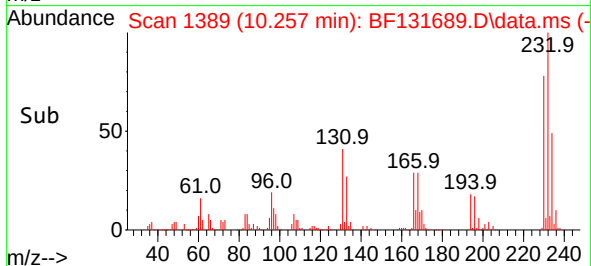
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MSD



Tgt Ion:232 Resp: 154591
Ion Ratio Lower Upper
232 100
131 40.7 31.0 46.6
130 2.5 1.8 2.8
166 25.5 18.8 28.2

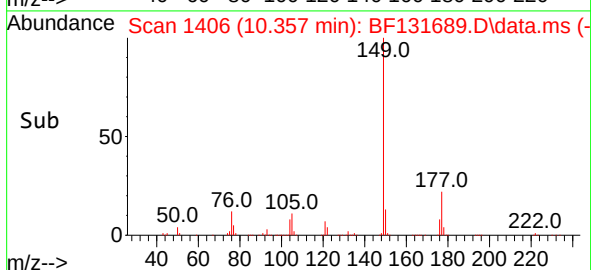
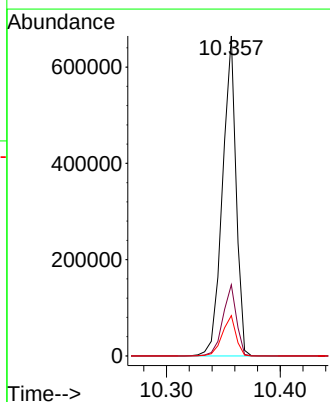
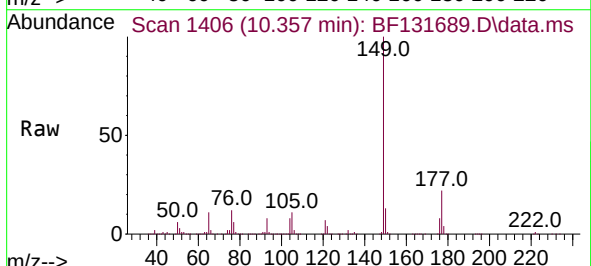
Manual Integrations
APPROVED

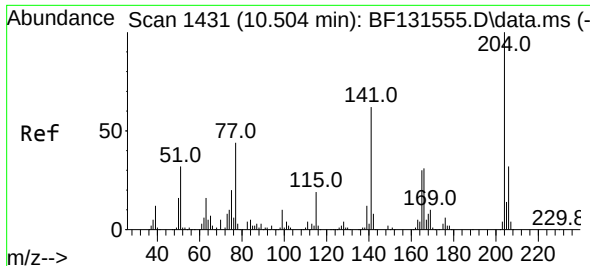
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#60
Diethylphthalate
Concen: 47.484 ng
RT: 10.357 min Scan# 1406
Delta R.T. 0.006 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

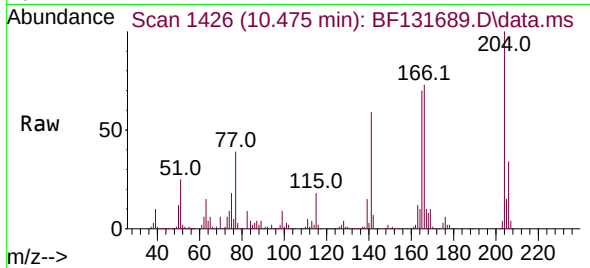
Tgt Ion:149 Resp: 552027
Ion Ratio Lower Upper
149 100
177 22.2 17.4 26.2
150 12.6 9.7 14.5





#61
4-Chlorophenyl-phenylether
Concen: 46.232 ng
RT: 10.475 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

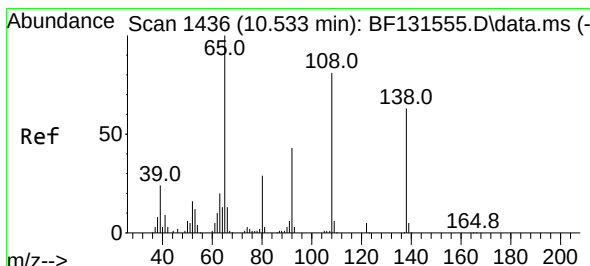
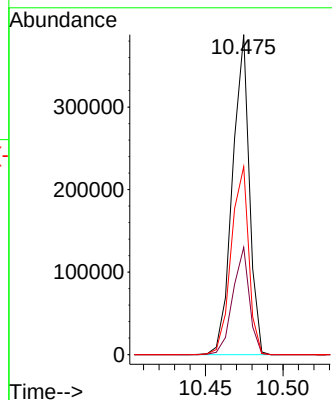
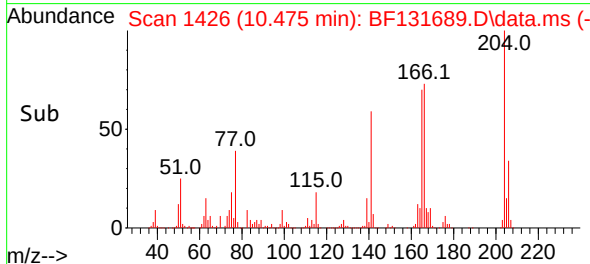
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MSD



Tgt Ion:204 Resp: 295512
Ion Ratio Lower Upper
204 100
206 33.5 25.4 38.2
141 58.7 49.5 74.3

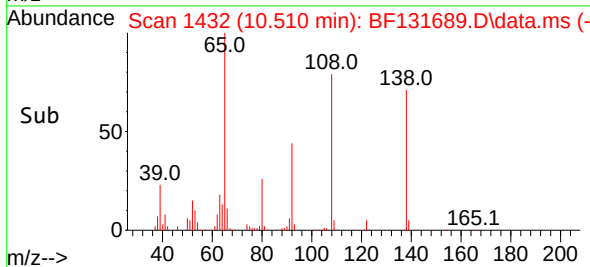
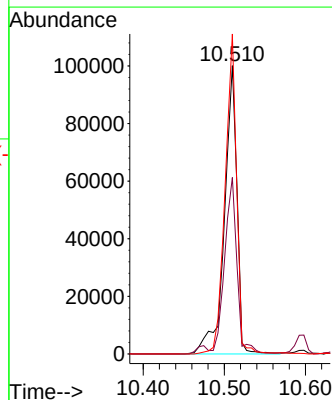
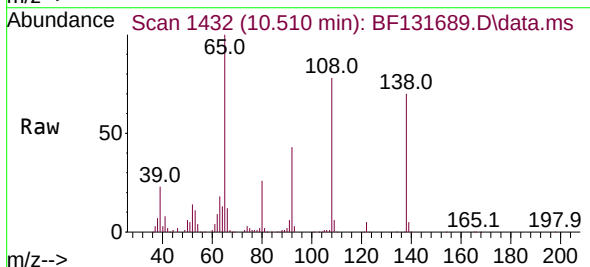
Manual Integrations
APPROVED

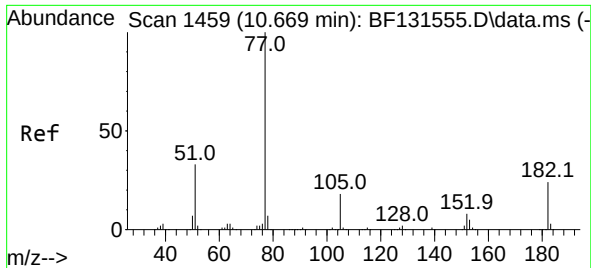
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#62
4-Nitroaniline
Concen: 44.989 ng
RT: 10.510 min Scan# 1432
Delta R.T. 0.012 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

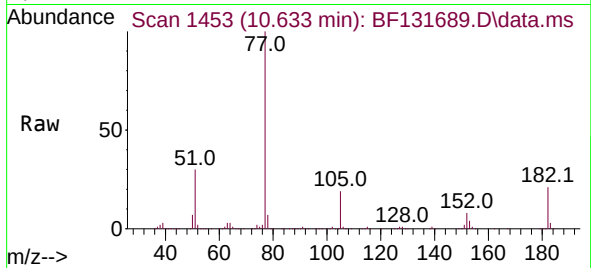
Tgt Ion:138 Resp: 106978
Ion Ratio Lower Upper
138 100
92 61.2 47.5 87.5
108 111.0 108.8 148.8





#63
Azobenzene
Concen: 46.228 ng
RT: 10.633 min Scan# 1453
Delta R.T. 0.000 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

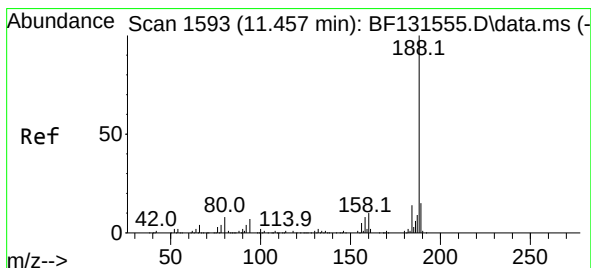
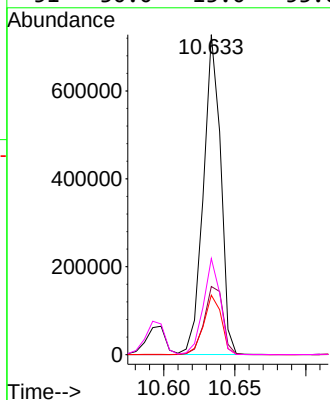
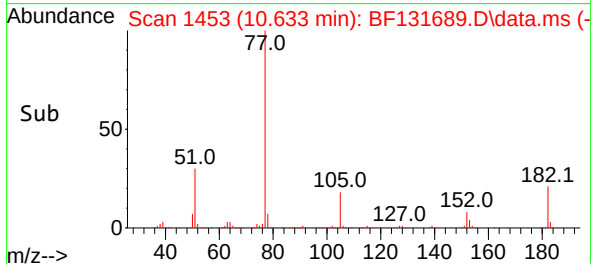
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MSD



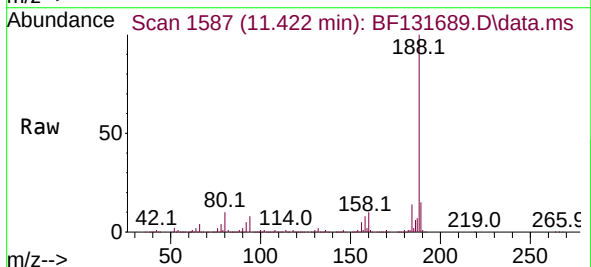
Tgt Ion: 77 Resp: 612959
Ion Ratio Lower Upper
77 100
182 21.3 3.9 43.9
105 18.6 0.0 38.3
51 30.0 13.0 53.0

Manual Integrations
APPROVED

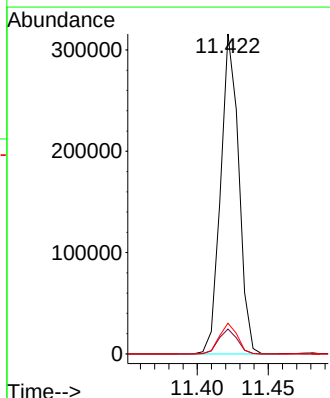
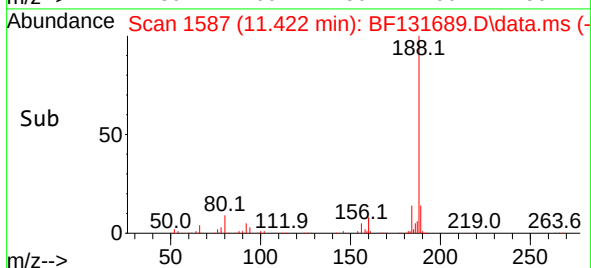
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022

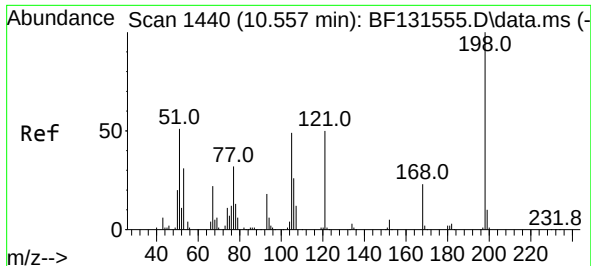


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1587
Delta R.T. 0.000 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18



Tgt Ion:188 Resp: 280834
Ion Ratio Lower Upper
188 100
94 7.8 5.5 8.3
80 9.6 6.6 10.0





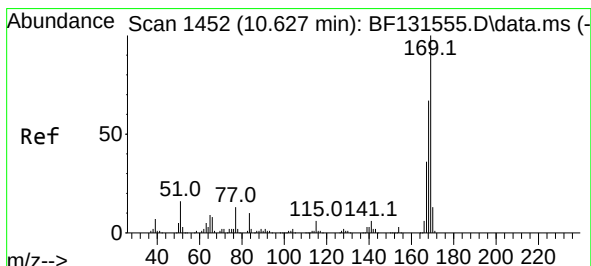
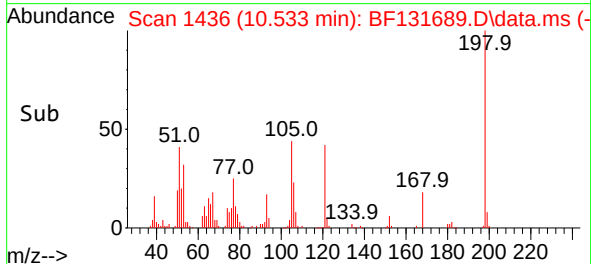
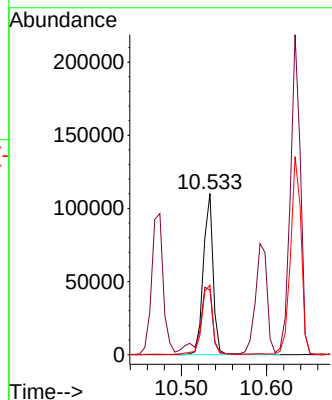
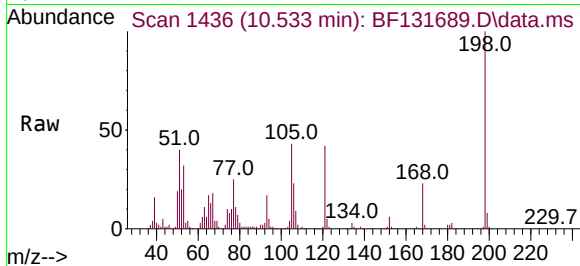
#65
4,6-Dinitro-2-methylphenol
Concen: 49.073 ng
RT: 10.533 min Scan# 1440
Delta R.T. 0.012 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MSD

Tgt Ion:198 Resp: 87288
Ion Ratio Lower Upper
198 100
51 40.2 36.7 76.7
105 43.1 29.9 69.9

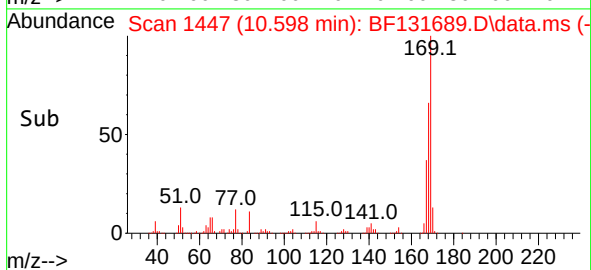
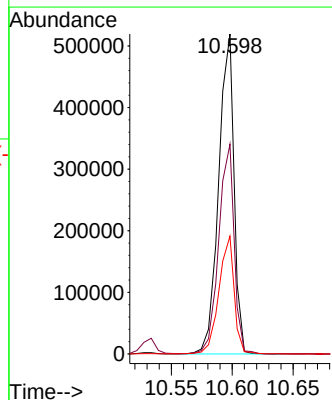
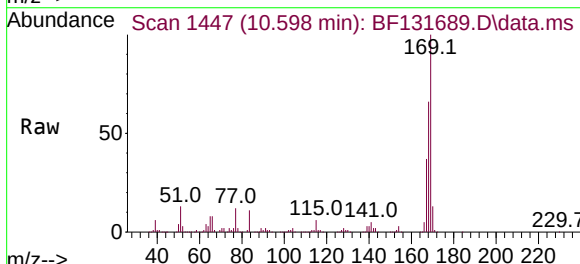
Manual Integrations
APPROVED

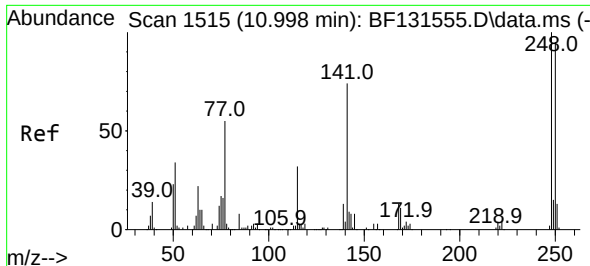
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#66
n-Nitrosodiphenylamine
Concen: 50.198 ng
RT: 10.598 min Scan# 1447
Delta R.T. 0.006 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

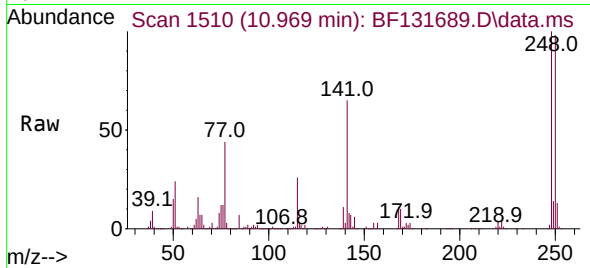
Tgt Ion:169 Resp: 455757
Ion Ratio Lower Upper
169 100
168 65.5 53.8 80.6
167 36.8 29.1 43.7





#67
4-Bromophenyl-phenylether
Concen: 48.534 ng
RT: 10.969 min Scan# 1510
Delta R.T. 0.006 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

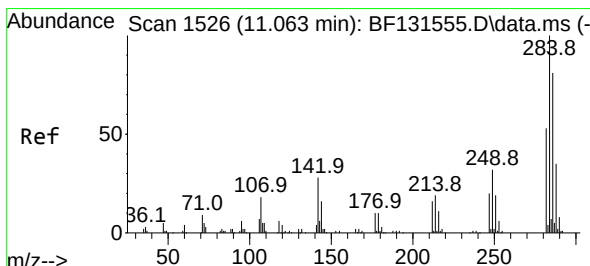
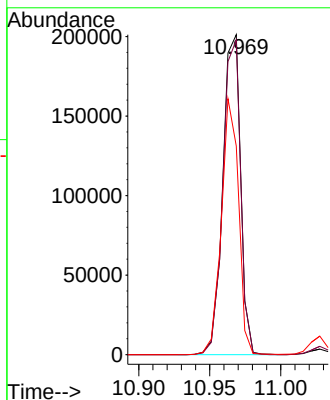
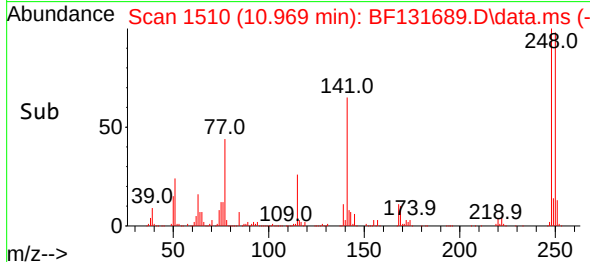
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MSD



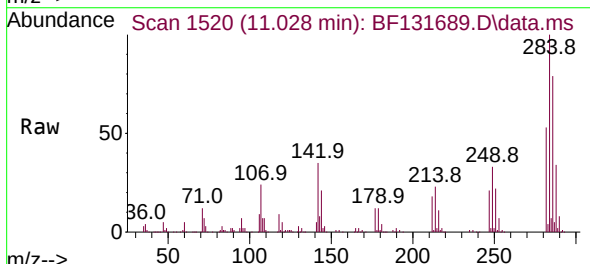
Tgt Ion:248 Resp: 175340
Ion Ratio Lower Upper
248 100
250 98.3 76.2 114.2
141 65.2 59.5 89.3

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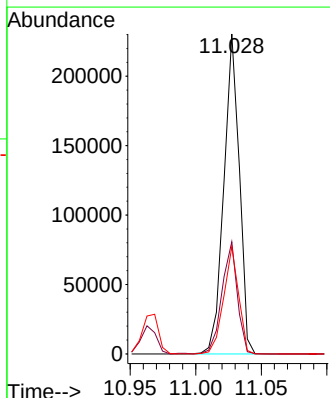
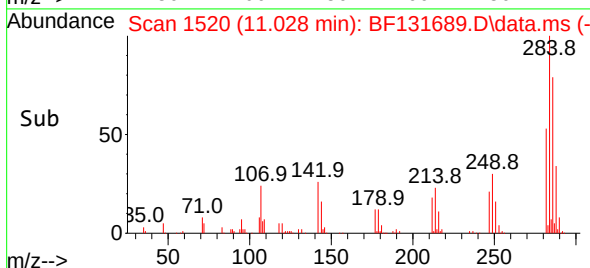
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022

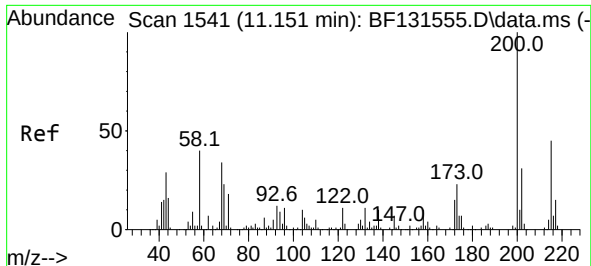


#68
Hexachlorobenzene
Concen: 48.391 ng
RT: 11.028 min Scan# 1520
Delta R.T. 0.000 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18



Tgt Ion:284 Resp: 189101
Ion Ratio Lower Upper
284 100
142 35.0 22.3 33.5#
249 33.5 25.4 38.2





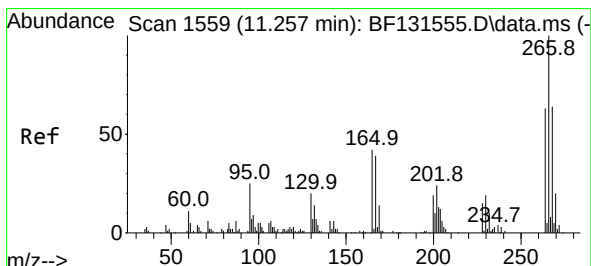
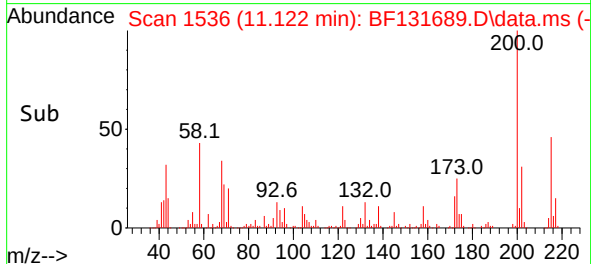
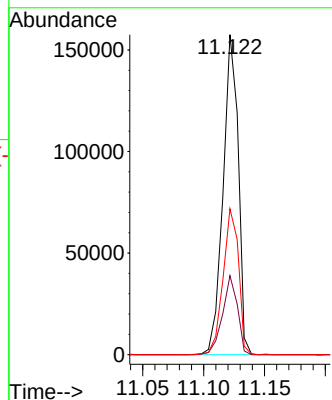
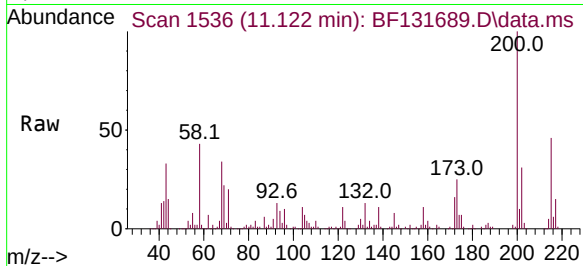
#69
 Atrazine
 Concen: 47.353 ng
 RT: 11.122 min Scan# 11
 Delta R.T. 0.006 min
 Lab File: BF131689.D
 Acq: 19 Dec 2022 15:18

Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20221214MSD

Tgt Ion:200 Resp: 136524
 Ion Ratio Lower Upper
 200 100
 173 24.7 3.4 43.4
 215 45.6 25.0 65.0

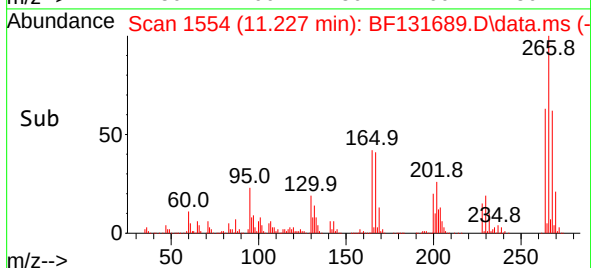
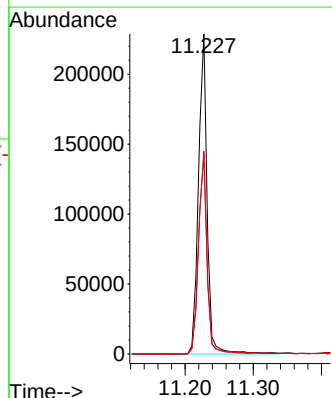
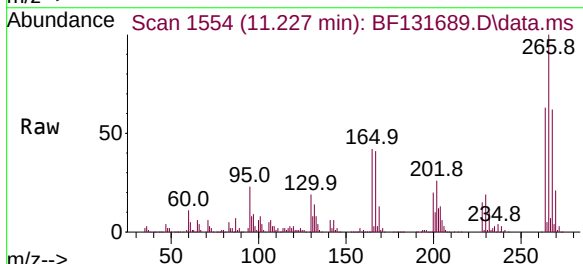
Manual Integrations
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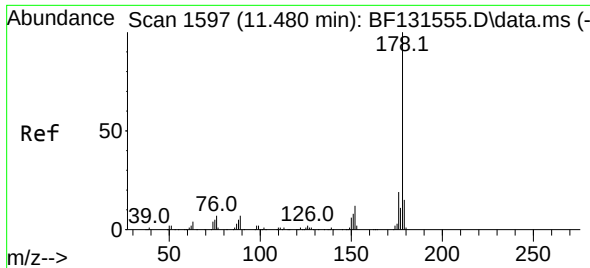
Reviewed By :Christian Giraldo 12/20/2022
 Supervised By :Jagrut Upadhyay 12/20/2022



#70
 Pentachlorophenol
 Concen: 100.399 ng
 RT: 11.227 min Scan# 1554
 Delta R.T. 0.006 min
 Lab File: BF131689.D
 Acq: 19 Dec 2022 15:18

Tgt Ion:266 Resp: 201977
 Ion Ratio Lower Upper
 266 100
 268 62.2 51.5 77.3
 264 63.3 50.7 76.1





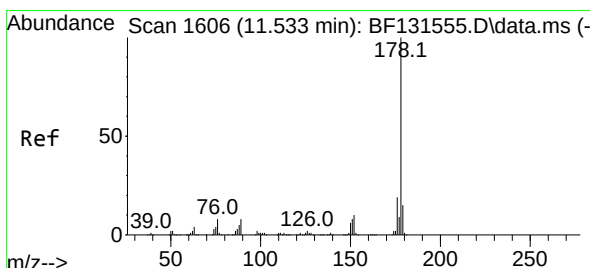
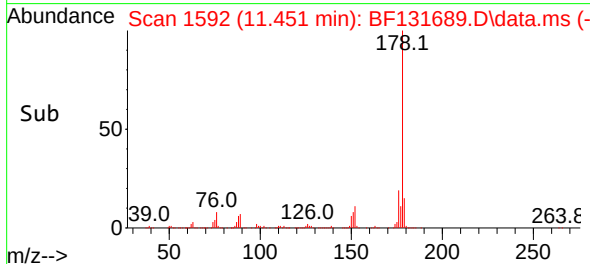
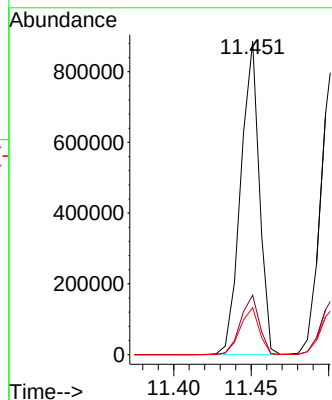
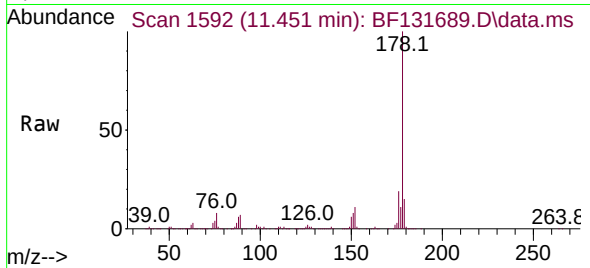
#71
Phenanthrene
Concen: 47.241 ng
RT: 11.451 min Scan# 11451
Delta R.T. 0.006 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MSD

Tgt Ion:178 Resp: 739478
Ion Ratio Lower Upper
178 100
176 19.0 15.4 23.0
179 15.0 12.2 18.4

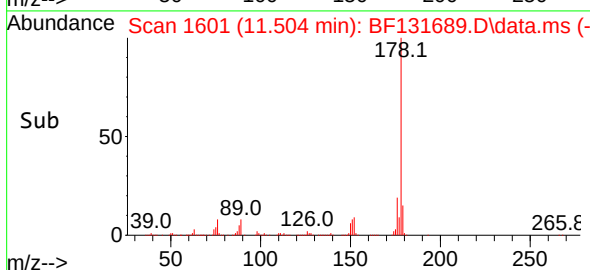
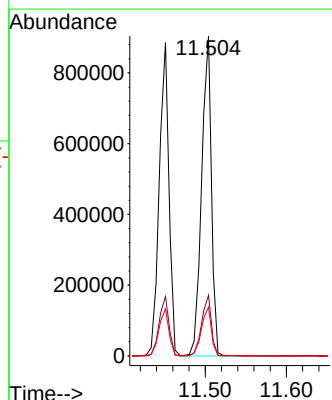
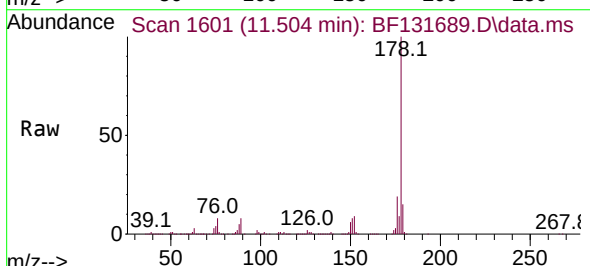
Manual Integrations
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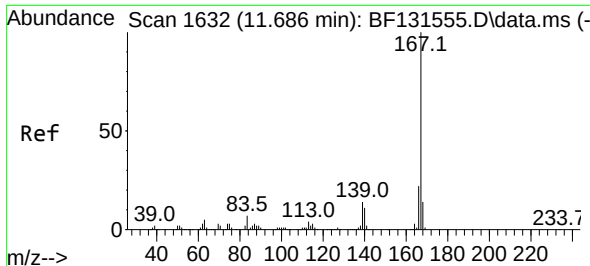
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#72
Anthracene
Concen: 49.679 ng
RT: 11.504 min Scan# 1601
Delta R.T. 0.006 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

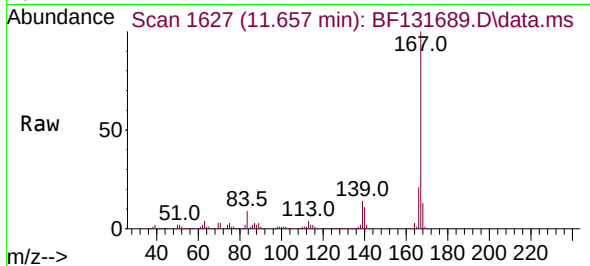
Tgt Ion:178 Resp: 756579
Ion Ratio Lower Upper
178 100
176 19.0 15.0 22.6
179 15.2 12.3 18.5





#73
 Carbazole
 Concen: 47.747 ng
 RT: 11.657 min Scan# 1627
 Delta R.T. 0.000 min
 Lab File: BF131689.D
 Acq: 19 Dec 2022 15:18

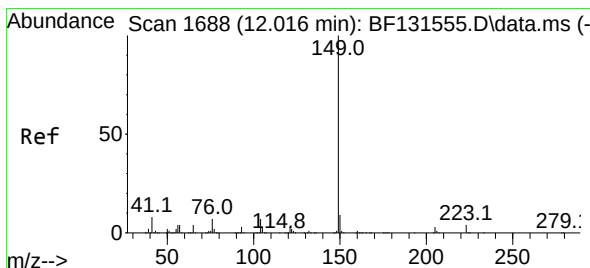
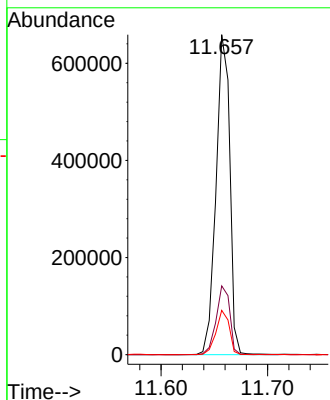
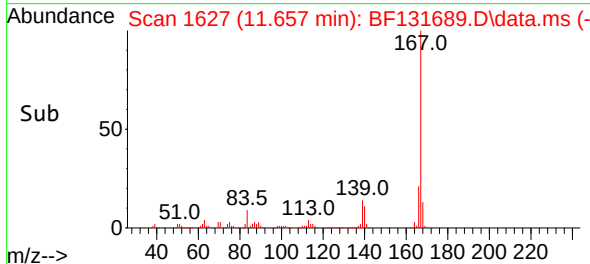
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20221214MSD



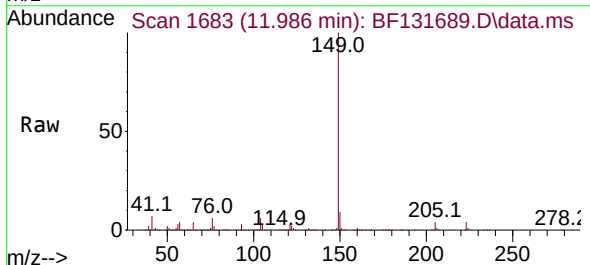
Tgt Ion:167 Resp: 593533
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.4 26.0
 139 13.8 11.0 16.4

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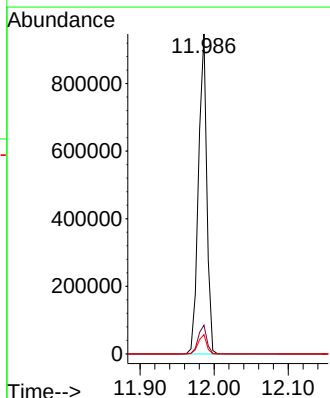
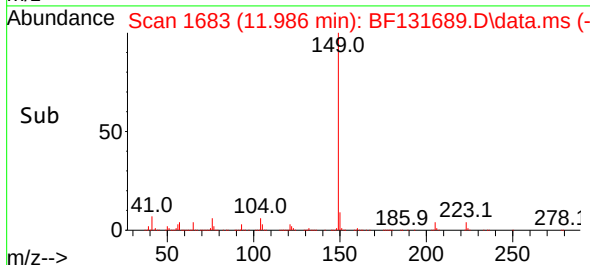
Reviewed By :Christian Giraldo 12/20/2022
 Supervised By :Jagrut Upadhyay 12/20/2022

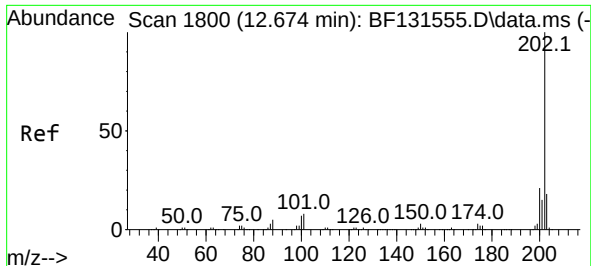


#74
 Di-n-butylphthalate
 Concen: 48.516 ng
 RT: 11.986 min Scan# 1683
 Delta R.T. 0.006 min
 Lab File: BF131689.D
 Acq: 19 Dec 2022 15:18



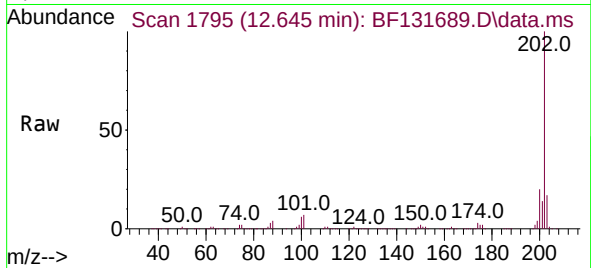
Tgt Ion:149 Resp: 739887
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.2 10.8
 104 6.0 5.2 7.8





#75
Fluoranthene
Concen: 43.358 ng
RT: 12.645 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

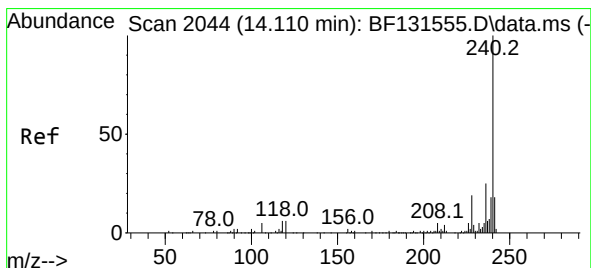
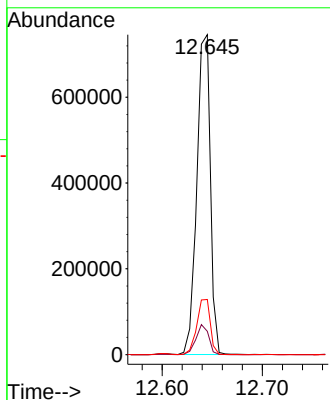
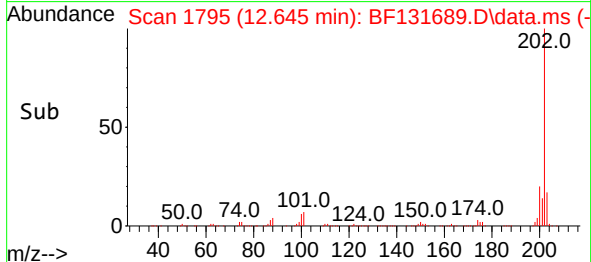
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MSD



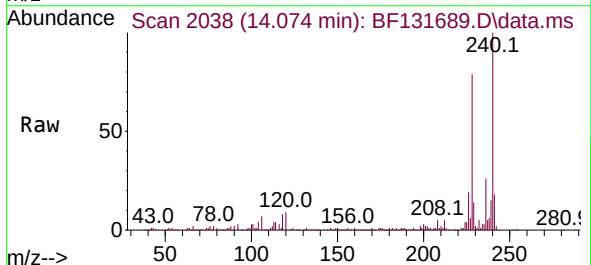
Tgt Ion:202 Resp: 69887
Ion Ratio Lower Upper
202 100
101 7.3 0.0 27.7
203 17.2 0.0 37.7

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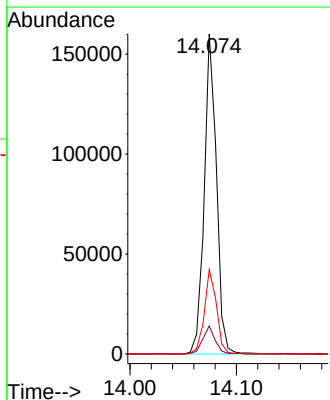
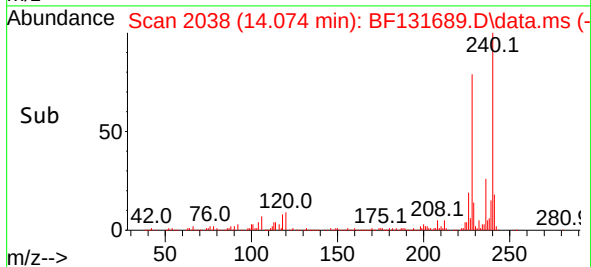
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022

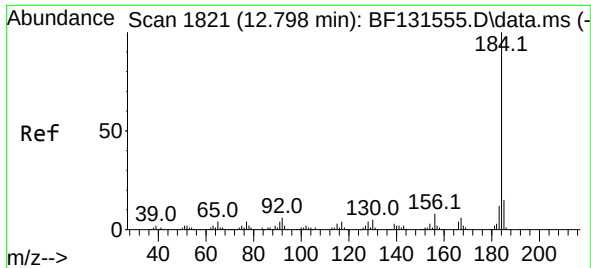


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.074 min Scan# 2038
Delta R.T. 0.000 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18



Tgt Ion:240 Resp: 126787
Ion Ratio Lower Upper
240 100
120 8.7 4.6 7.0#
236 26.3 20.2 30.2





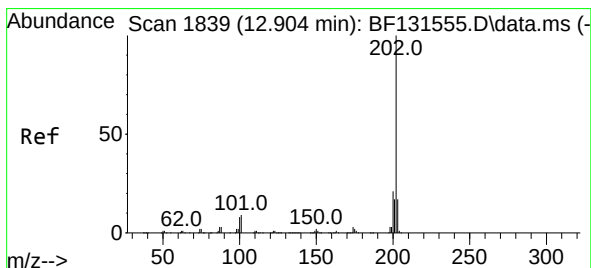
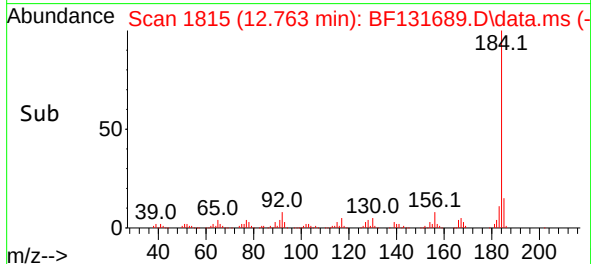
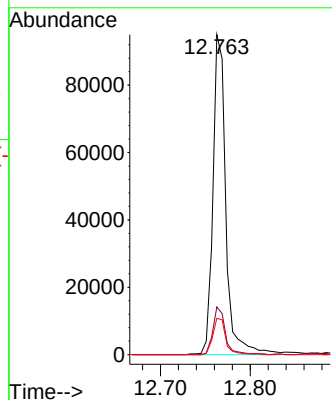
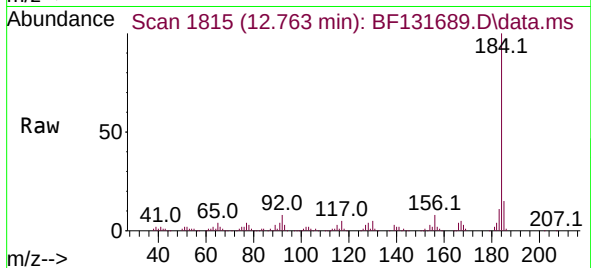
#77
Benzidine
Concen: 27.936 ng
RT: 12.763 min Scan# 1815
Delta R.T. 0.000 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MSD

Tgt Ion:184 Resp: 94903
Ion Ratio Lower Upper
184 100
185 14.9 12.2 18.2
183 11.3 9.3 13.9

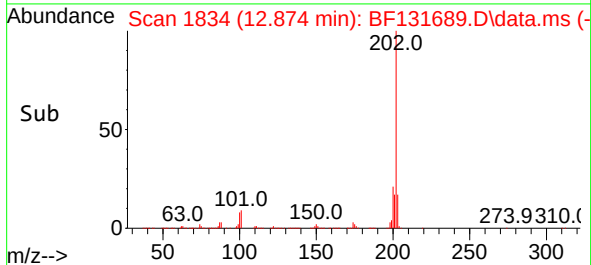
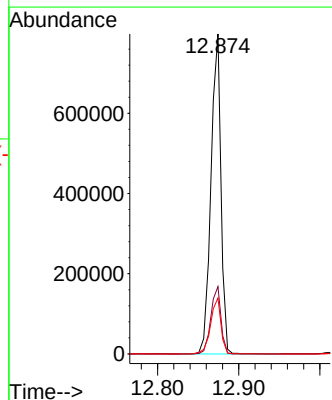
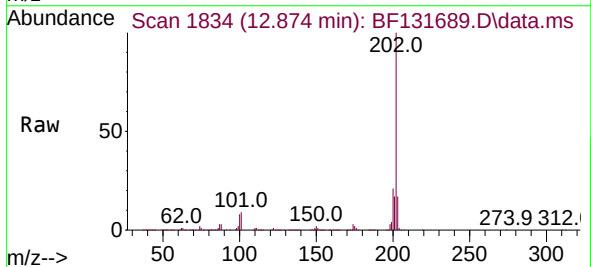
Manual Integrations
APPROVED

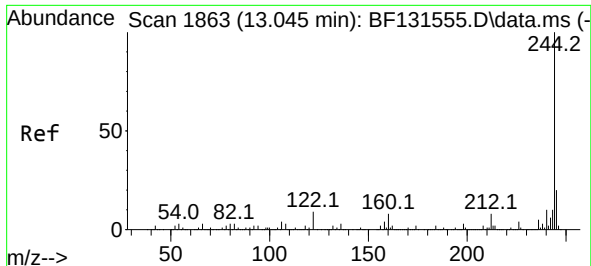
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#78
Pyrene
Concen: 54.753 ng
RT: 12.874 min Scan# 1834
Delta R.T. 0.006 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

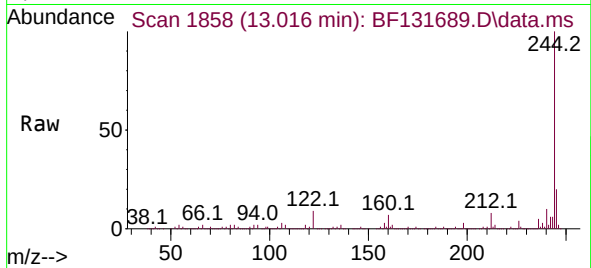
Tgt Ion:202 Resp: 684515
Ion Ratio Lower Upper
202 100
200 21.1 16.7 25.1
203 17.5 13.8 20.6





#79
Terphenyl-d14
Concen: 108.397 ng
RT: 13.016 min Scan# 1863
Delta R.T. 0.006 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

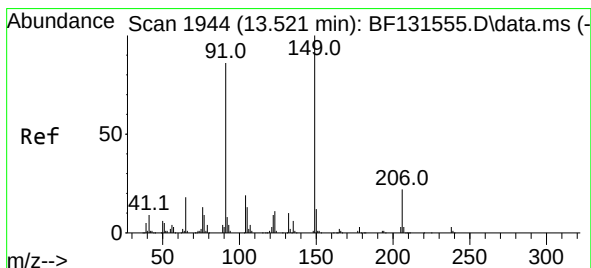
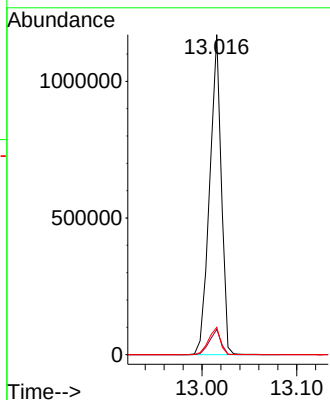
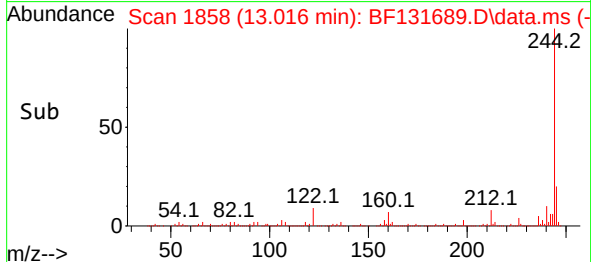
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:244 Resp: 1002136
Ion Ratio Lower Upper
244 100
212 7.9 6.5 9.7
122 8.5 7.1 10.7

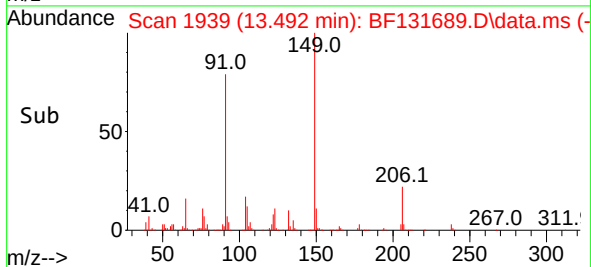
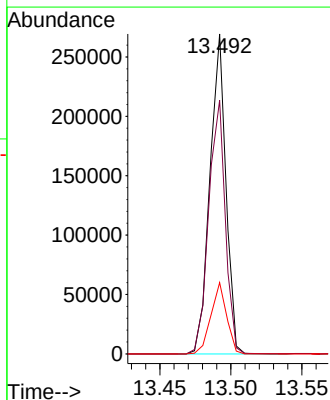
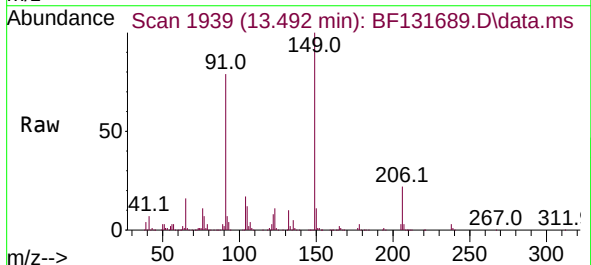
Manual Integrations
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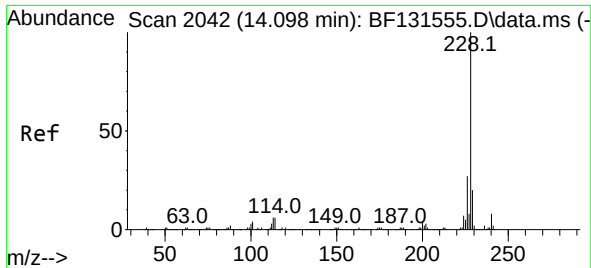
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#80
Butylbenzylphthalate
Concen: 58.293 ng
RT: 13.492 min Scan# 1939
Delta R.T. 0.000 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

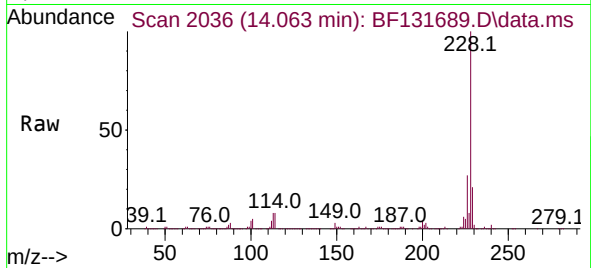
Tgt Ion:149 Resp: 210902
Ion Ratio Lower Upper
149 100
91 79.3 69.0 103.4
206 22.3 17.8 26.8





#81
Benzo(a)anthracene
Concen: 51.123 ng
RT: 14.063 min Scan# 2036
Delta R.T. 0.000 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

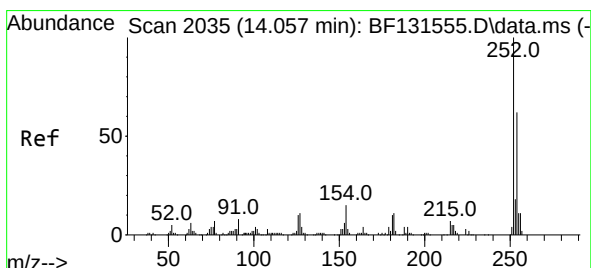
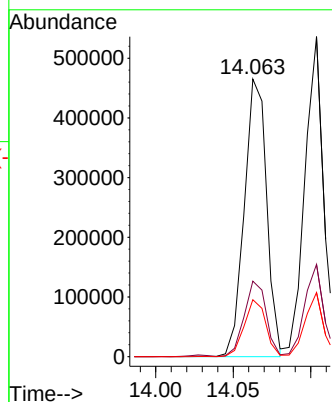
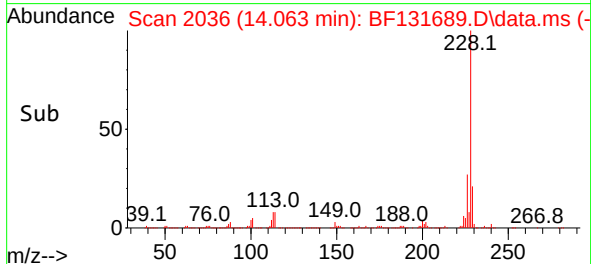
Instrument :
BNA_F
ClientSampleId :
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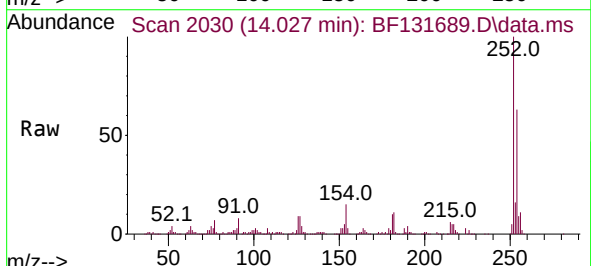
Tgt Ion:228 Resp: 468083
Ion Ratio Lower Upper
228 100
226 27.2 21.5 32.3
229 20.5 15.8 23.6

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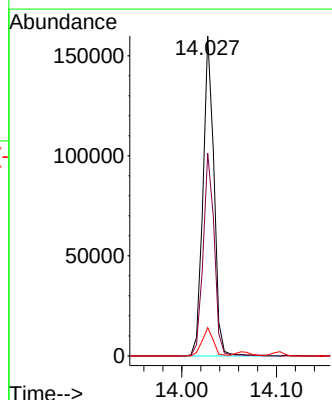
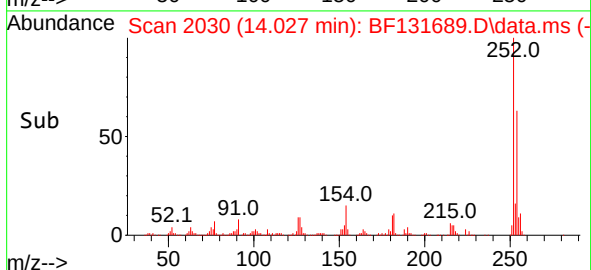
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022

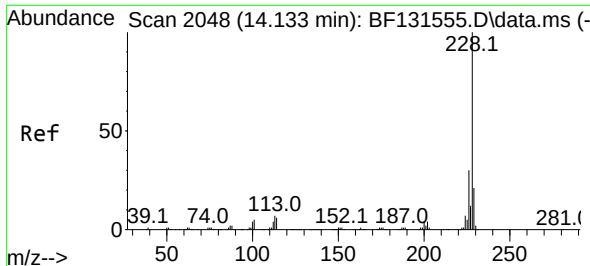


#82
3,3'-Dichlorobenzidine
Concen: 49.327 ng
RT: 14.027 min Scan# 2030
Delta R.T. 0.000 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18



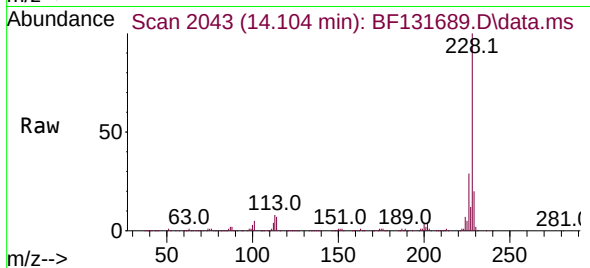
Tgt Ion:252 Resp: 128499
Ion Ratio Lower Upper
252 100
254 63.3 49.6 74.4
126 8.8 7.9 11.9





#83
Chrysene
Concen: 51.424 ng
RT: 14.104 min Scan# 2048
Delta R.T. 0.006 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

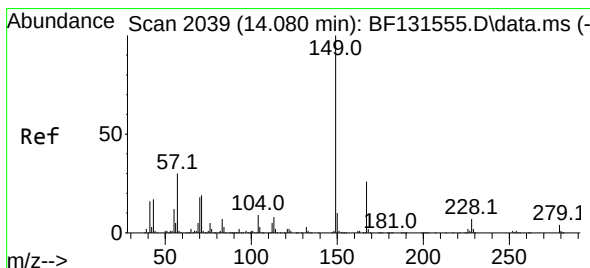
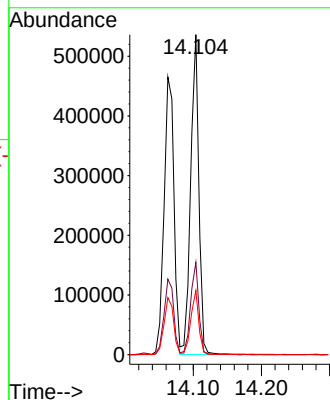
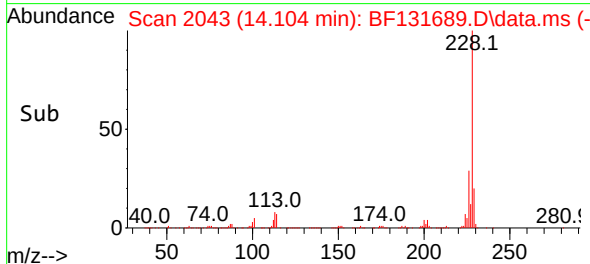
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MSD



Tgt Ion:228 Resp: 447625
Ion Ratio Lower Upper
228 100
226 28.8 23.9 35.9
229 20.0 16.7 25.1

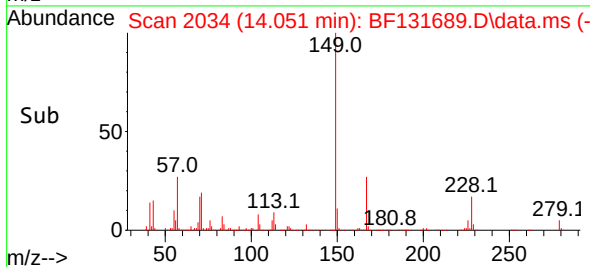
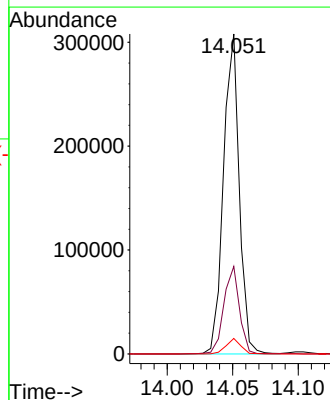
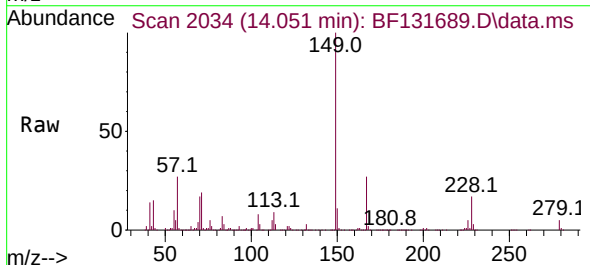
Manual Integrations
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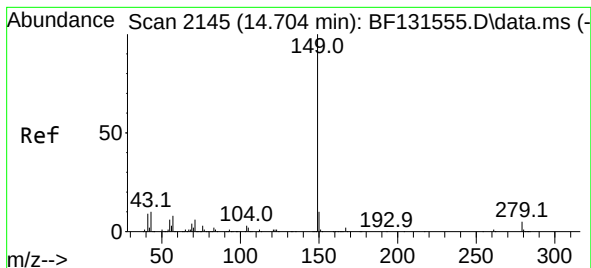
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 52.148 ng
RT: 14.051 min Scan# 2034
Delta R.T. 0.000 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

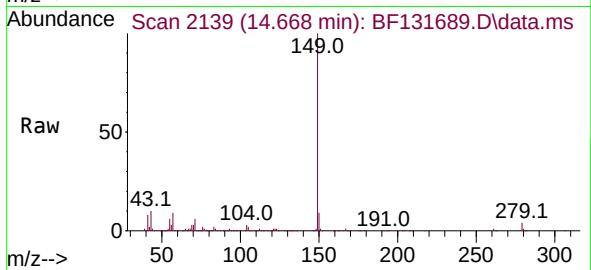
Tgt Ion:149 Resp: 258410
Ion Ratio Lower Upper
149 100
167 27.3 20.8 31.2
279 4.8 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 50.997 ng
RT: 14.668 min Scan# 2145
Delta R.T. 0.000 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

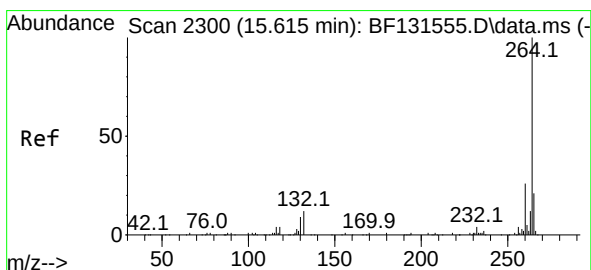
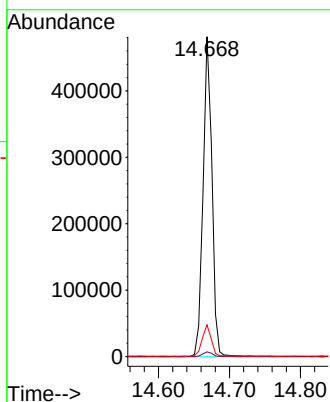
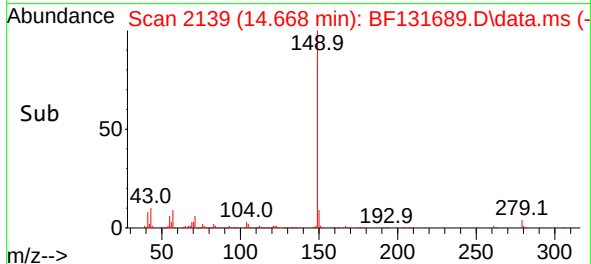
Instrument :
BNA_F
ClientSampleId :
WC-SOIL-20221214MSD



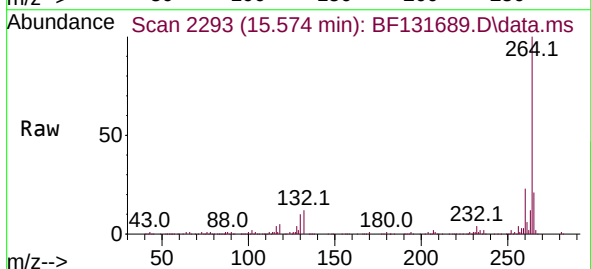
Tgt Ion:149 Resp: 414825
Ion Ratio Lower Upper
149 100
167 1.7 1.2 1.8
43 9.9 8.6 13.0

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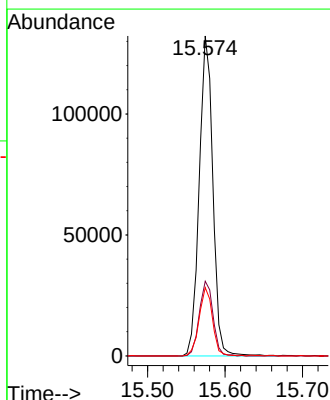
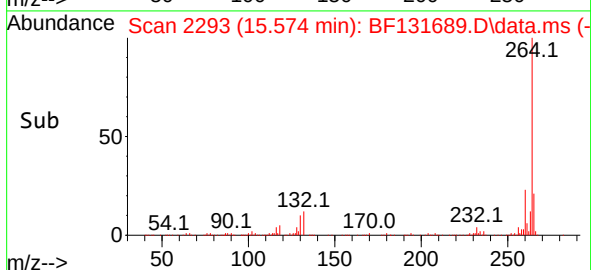
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022

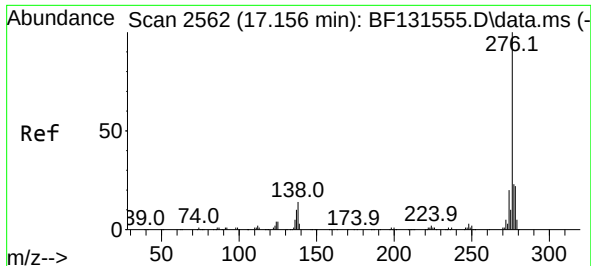


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.574 min Scan# 2293
Delta R.T. 0.000 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18



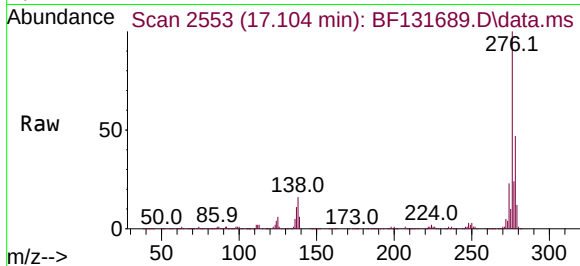
Tgt Ion:264 Resp: 161092
Ion Ratio Lower Upper
264 100
260 23.3 20.6 30.8
265 21.3 16.8 25.2





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 49.856 ng
 RT: 17.104 min Scan# 2118
 Delta R.T. 0.006 min
 Lab File: BF131689.D
 Acq: 19 Dec 2022 15:18

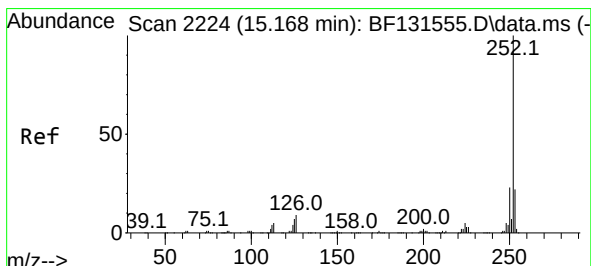
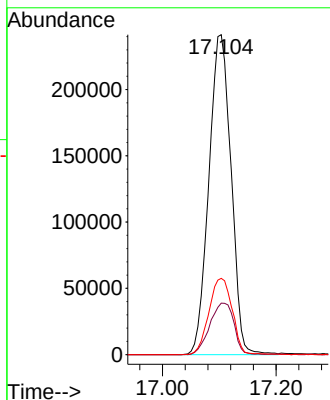
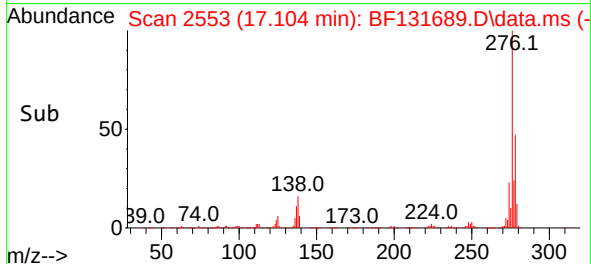
Instrument :
 BNA_F
 ClientSampleId :
 WC-SOIL-20221214MSD



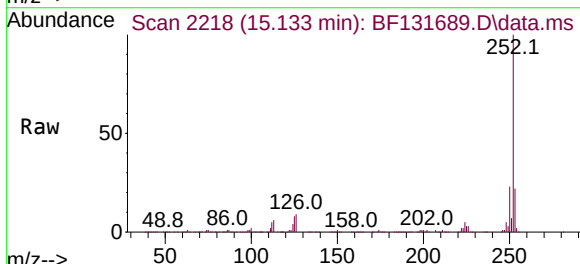
Tgt Ion: 276 Resp: 65544
 Ion Ratio Lower Upper
 276 100
 138 17.5 12.7 19.1
 277 25.1 20.0 30.0

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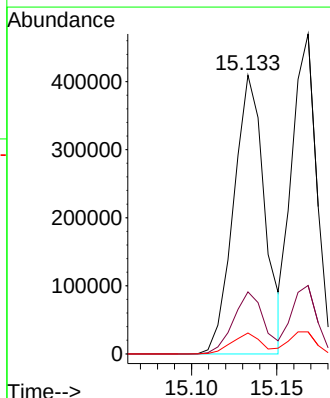
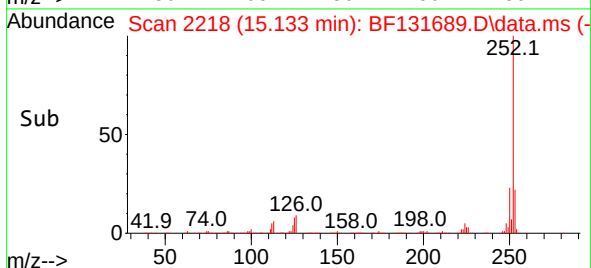
Reviewed By : Christian Giraldo 12/20/2022
 Supervised By : Jagrut Upadhyay 12/20/2022

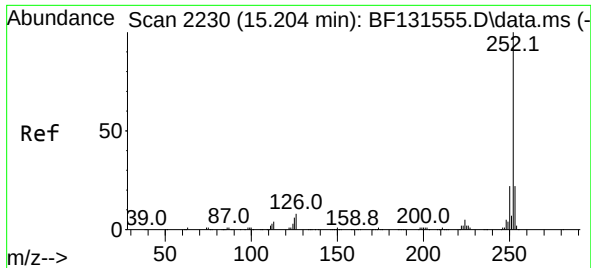


#88
 Benzo(b)fluoranthene
 Concen: 48.937 ng
 RT: 15.133 min Scan# 2218
 Delta R.T. 0.006 min
 Lab File: BF131689.D
 Acq: 19 Dec 2022 15:18



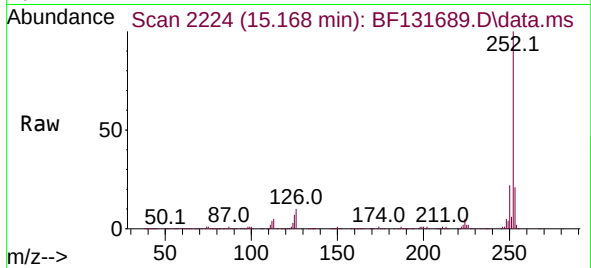
Tgt Ion: 252 Resp: 519581
 Ion Ratio Lower Upper
 252 100
 253 22.3 17.7 26.5
 125 7.5 5.6 8.4





#89
Benzo(k)fluoranthene
Concen: 43.792 ng
RT: 15.168 min Scan# 211
Delta R.T. 0.006 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

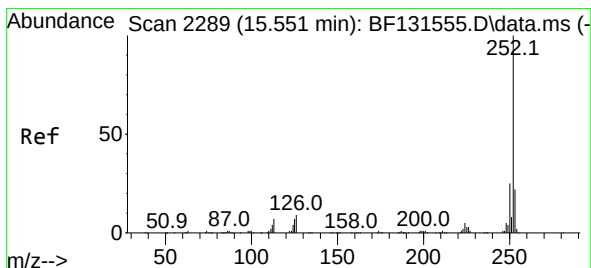
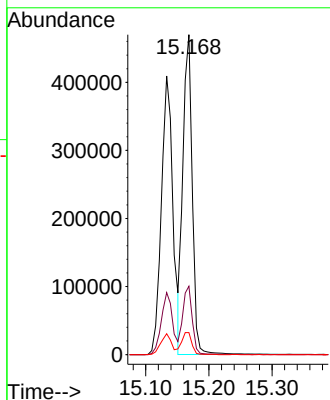
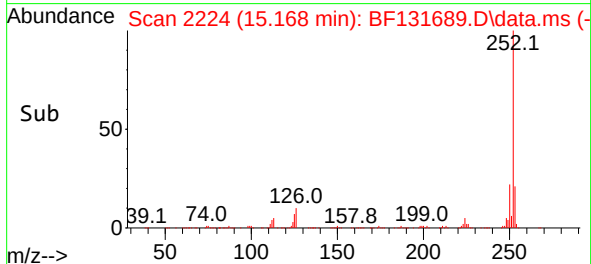
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:252 Resp: 485297
Ion Ratio Lower Upper
252 100
253 21.4 17.7 26.5
125 6.9 4.9 7.3

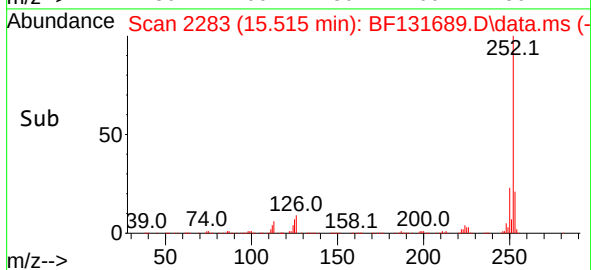
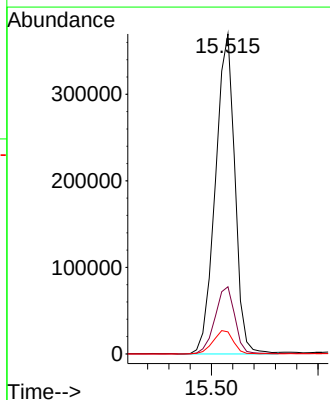
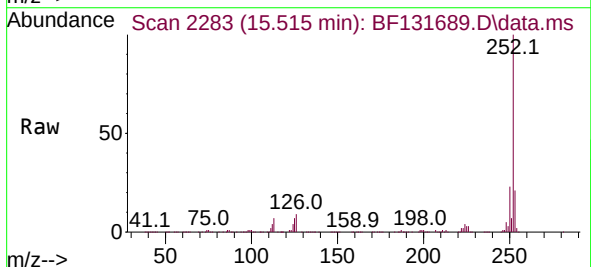
Manual Integrations
APPROVED

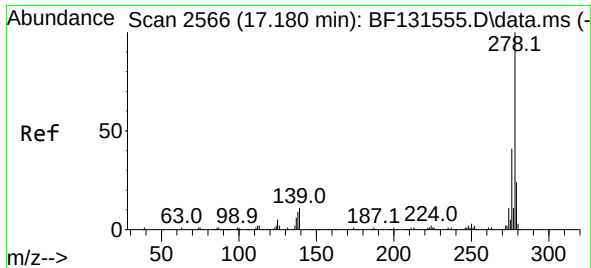
Reviewed By :Christian Giraldo 12/20/2022
Supervised By :Jagrut Upadhyay 12/20/2022



#90
Benzo(a)pyrene
Concen: 51.930 ng
RT: 15.515 min Scan# 2283
Delta R.T. 0.006 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

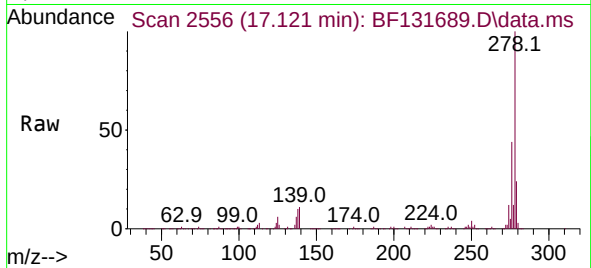
Tgt Ion:252 Resp: 470528
Ion Ratio Lower Upper
252 100
253 21.0 17.5 26.3
125 6.9 5.6 8.4





#91
Dibenzo(a,h)anthracene
Concen: 50.215 ng
RT: 17.121 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18

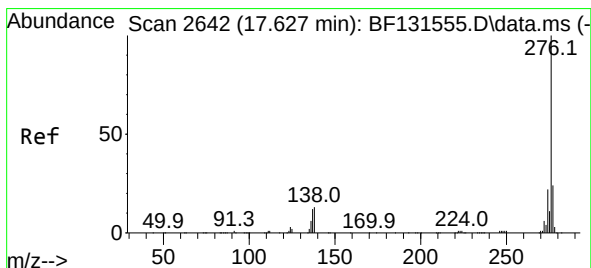
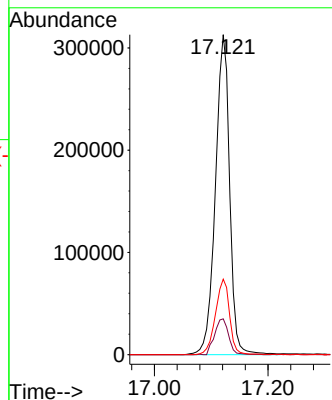
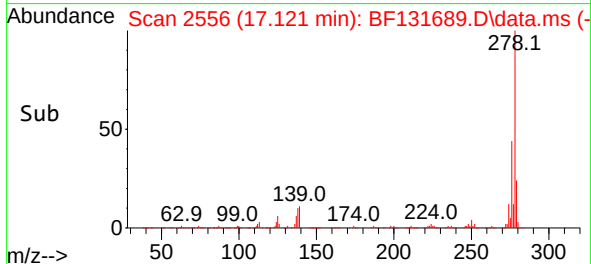
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ClientSampleId :
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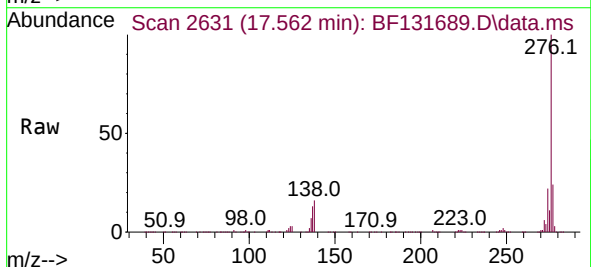
Tgt Ion:278 Resp: 543332
Ion Ratio Lower Upper
278 100
139 11.2 8.9 13.3
279 23.6 19.0 28.6

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



#92
Benzo(g,h,i)perylene
Concen: 49.930 ng
RT: 17.562 min Scan# 2631
Delta R.T. 0.006 min
Lab File: BF131689.D
Acq: 19 Dec 2022 15:18



Tgt Ion:276 Resp: 542957
Ion Ratio Lower Upper
276 100
277 23.7 19.0 28.6
138 16.4 10.7 16.1#

