

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112222\
 Data File : BF131324.D
 Acq On : 22 Nov 2022 11:27
 Operator : CG\JU
 Sample : N4955-03
 Misc : MDL-MDL-SOIL-8ppm
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Nov 23 03:42:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 23 03:40:59 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 11/23/2022
 Supervised By : Jagrut Upadhyay 11/23/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	98079	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	356988	20.000	ng	0.00
39) Acenaphthene-d10	10.016	164	211155	20.000	ng	-0.01
64) Phenanthrene-d10	11.516	188	403773	20.000	ng	0.00
76) Chrysene-d12	14.168	240	278280	20.000	ng	#-0.01
86) Perylene-d12	15.709	264	196918	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	566315	109.893	ng	0.00
7) Phenol-d6	6.581	99	705248	107.261	ng	0.00
23) Nitrobenzene-d5	7.534	82	528318	74.601	ng	0.00
42) 2,4,6-Tribromophenol	10.810	330	220473	124.108	ng	0.00
45) 2-Fluorobiphenyl	9.333	172	1018883	70.199	ng	0.00
79) Terphenyl-d14	13.115	244	1214923	71.393	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.769	88	20621	8.393	ng	99
3) Pyridine	3.563	79	51792	7.592	ng	96
4) n-Nitrosodimethylamine	3.487	42	30090	7.479	ng	# 98
6) Aniline	6.622	93	77775m	9.026	ng	
8) 2-Chlorophenol	6.745	128	51111	8.754	ng	98
9) Benzaldehyde	6.516	77	46914	10.156	ng	97
10) Phenol	6.592	94	61909	8.492	ng	92
11) bis(2-Chloroethyl)ether	6.692	93	50957	8.343	ng	97
12) 1,3-Dichlorobenzene	6.904	146	58581	8.419	ng	100
13) 1,4-Dichlorobenzene	6.981	146	60671	8.581	ng	98
14) 1,2-Dichlorobenzene	7.134	146	55689	8.554	ng	97
15) Benzyl Alcohol	7.104	79	44404	8.236	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.234	45	99410	8.511	ng	99
17) 2-Methylphenol	7.198	107	41321	8.304	ng	98
18) Hexachloroethane	7.481	117	20764	8.210	ng	94
19) n-Nitroso-di-n-propyla...	7.369	70	40011	8.313	ng	99
20) 3+4-Methylphenols	7.351	107	53032	8.347	ng	# 86
22) Acetophenone	7.369	105	81900	9.013	ng	98
24) Nitrobenzene	7.545	77	60702	8.227	ng	100
25) Isophorone	7.781	82	109518	8.668	ng	98
26) 2-Nitrophenol	7.863	139	17952	9.094	ng	98
27) 2,4-Dimethylphenol	7.892	122	48606	9.923	ng	95
28) bis(2-Chloroethoxy)met...	7.992	93	65553	9.135	ng	98
29) 2,4-Dichlorophenol	8.098	162	43343	8.158	ng	96
30) 1,2,4-Trichlorobenzene	8.192	180	53208	8.084	ng	98
31) Naphthalene	8.275	128	158063	8.309	ng	98
32) Benzoic acid	7.945	122	14295m	5.134	ng	
33) 4-Chloroaniline	8.316	127	65575	8.737	ng	98
34) Hexachlorobutadiene	8.392	225	35856	8.413	ng	99
35) Caprolactam	8.651	113	12782	9.155	ng	94
36) 4-Chloro-3-methylphenol	8.786	107	46083	8.349	ng	96
37) 2-Methylnaphthalene	8.969	142	107746	8.359	ng	99
38) 1-Methylnaphthalene	9.069	142	103579	8.287	ng	100
40) 1,2,4,5-Tetrachloroben...	9.133	216	57804	8.436	ng	99
41) Hexachlorocyclopentadiene	9.122	237	26332	8.548	ng	99
43) 2,4,6-Trichlorophenol	9.239	196	28231	7.263	ng	99

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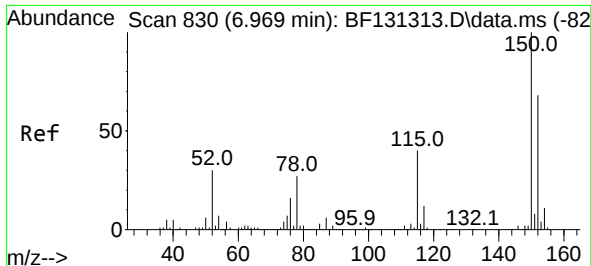
Quant Time: Nov 23 03:42:08 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112122.M
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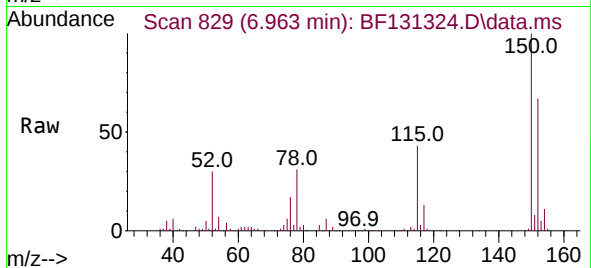
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	37452	8.568	ng	97
46) 1,1'-Biphenyl	9.433	154	143279	8.892	ng	99
47) 2-Chloronaphthalene	9.457	162	109462	8.468	ng	99
48) 2-Nitroaniline	9.551	65	30545	7.783	ng	99
49) Acenaphthylene	9.875	152	167171	8.484	ng	99
50) Dimethylphthalate	9.727	163	128803	8.755	ng	98
51) 2,6-Dinitrotoluene	9.792	165	24335	8.271	ng	91
52) Acenaphthene	10.051	154	103140	8.359	ng	99
53) 3-Nitroaniline	9.963	138	24261	8.025	ng	99
54) 2,4-Dinitrophenol	10.063	184	5345	5.407	ng	# 69
55) Dibenzofuran	10.222	168	153067	8.623	ng	100
56) 4-Nitrophenol	10.104	139	16751	7.984	ng	98
57) 2,4-Dinitrotoluene	10.192	165	29703	8.024	ng	92
58) Fluorene	10.569	166	121654	8.781	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.333	232	28813	7.915	ng	95
60) Diethylphthalate	10.433	149	124129	8.936	ng	99
61) 4-Chlorophenyl-phenylether	10.563	204	64002	9.012	ng	96
62) 4-Nitroaniline	10.574	138	24655	8.194	ng	92
63) Azobenzene	10.722	77	125603	8.409	ng	97
65) 4,6-Dinitro-2-methylph...	10.598	198	7511	4.727	ng	92
66) n-Nitrosodiphenylamine	10.674	169	106099	8.246	ng	98
67) 4-Bromophenyl-phenylether	11.057	248	40262	8.136	ng	93
68) Hexachlorobenzene	11.116	284	42674	8.125	ng	94
69) Atrazine	11.204	200	38887	9.817	ng	98
70) Pentachlorophenol	11.310	266	17439m	6.472	ng	
71) Phenanthrene	11.539	178	181555	8.320	ng	99
72) Anthracene	11.586	178	185685	8.659	ng	99
73) Carbazole	11.745	167	157420	8.605	ng	99
74) Di-n-butylphthalate	12.074	149	190590	8.842	ng	99
75) Fluoranthene	12.733	202	194420	8.455	ng	99
77) Benzidine	12.857	184	82374	16.026	ng	99
78) Pyrene	12.963	202	200782	8.178	ng	97
80) Butylbenzylphthalate	13.586	149	55700	7.873	ng	97
81) Benzo(a)anthracene	14.157	228	152633	8.002	ng	98
82) 3,3'-Dichlorobenzidine	14.121	252	45030	8.896	ng	98
83) Chrysene	14.198	228	143865	7.687	ng	99
84) Bis(2-ethylhexyl)phtha...	14.145	149	74116	7.762	ng	98
85) Di-n-octyl phthalate	14.774	149	86726	6.023	ng	99
87) Indeno(1,2,3-cd)pyrene	17.274	276	85184	6.441	ng	97
88) Benzo(b)fluoranthene	15.251	252	103790	7.934	ng	99
89) Benzo(k)fluoranthene	15.280	252	110545	8.223	ng	98
90) Benzo(a)pyrene	15.639	252	86951	8.101	ng	# 97
91) Dibenzo(a,h)anthracene	17.303	278	75803	6.942	ng	95
92) Benzo(g,h,i)perylene	17.750	276	73816	6.773	ng	97

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

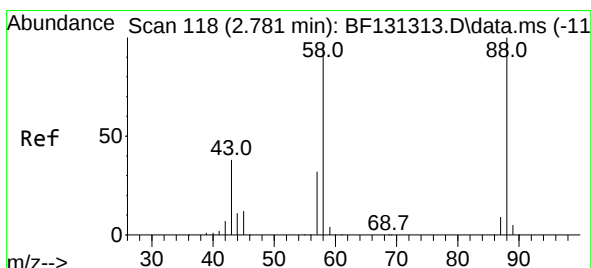
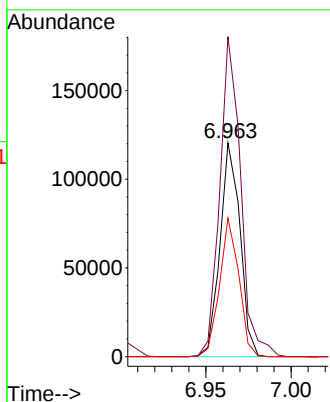
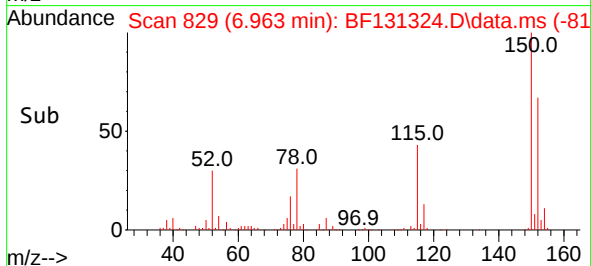
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:152 Resp: 98079
Ion Ratio Lower Upper
152 100
150 149.7 117.8 176.8
115 64.9 47.1 70.7

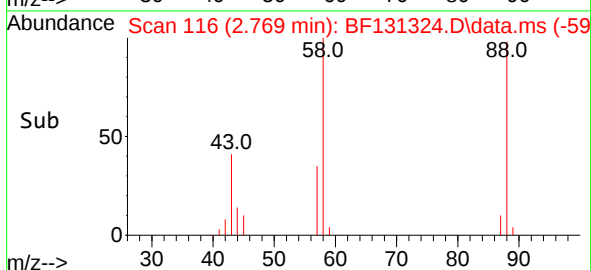
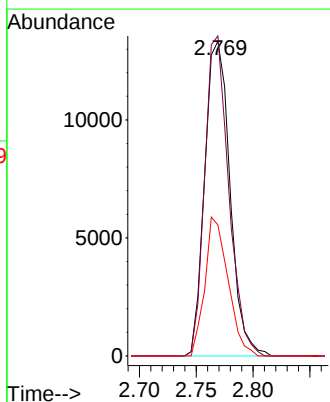
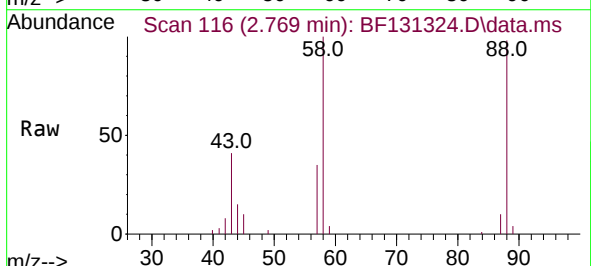
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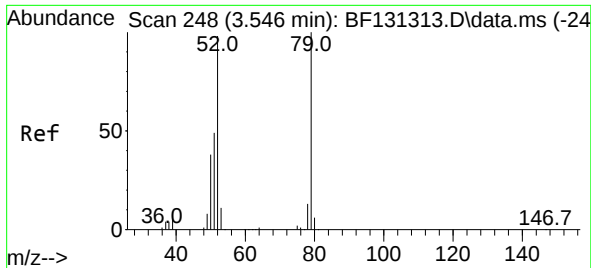
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#2
1,4-Dioxane
Concen: 8.393 ng
RT: 2.769 min Scan# 116
Delta R.T. -0.012 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

Tgt Ion: 88 Resp: 20621
Ion Ratio Lower Upper
88 100
58 96.7 78.2 117.4
43 40.4 31.6 47.4





#3

Pyridine

Concen: 7.592 ng

RT: 3.563 min Scan# 21

Delta R.T. 0.018 min

Lab File: BF131324.D

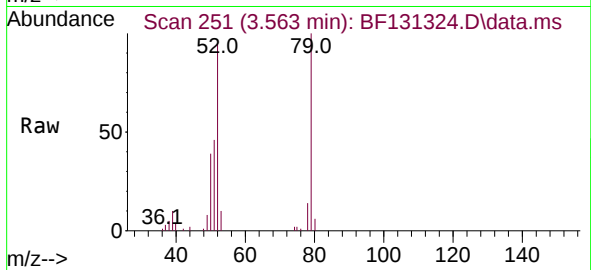
Acq: 22 Nov 2022 11:27

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022



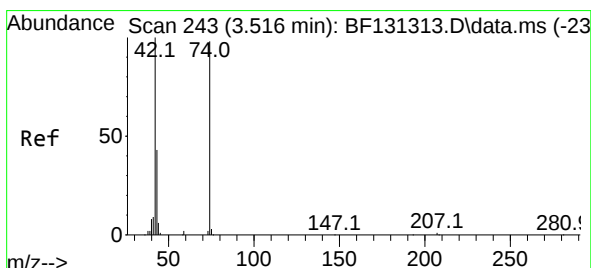
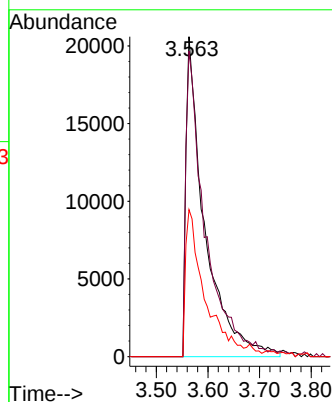
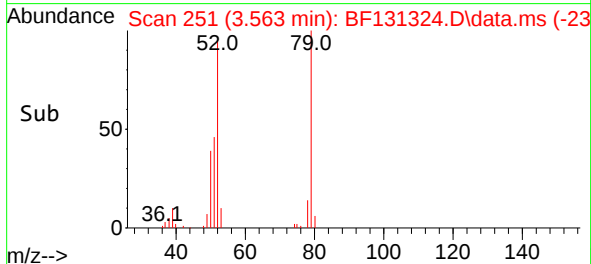
Tgt Ion:	79	Resp:	51792
Ion Ratio	100	Lower	Upper
79	100		
52	95.5	78.7	118.1
51	45.9	39.3	58.9

Manual Integrations

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Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#4

n-Nitrosodimethylamine

Concen: 7.479 ng

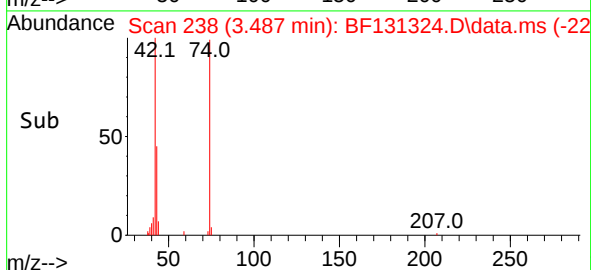
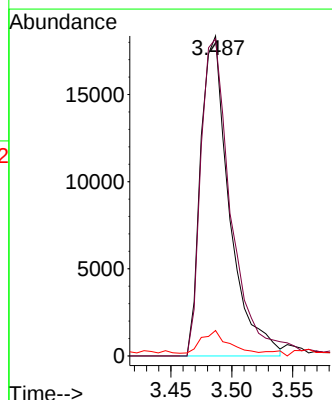
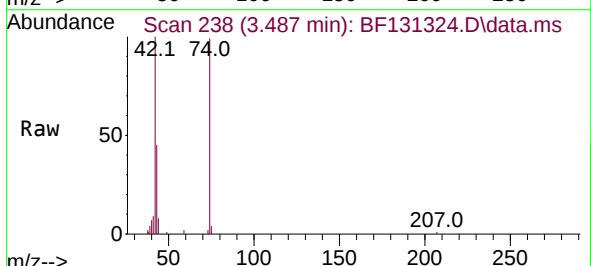
RT: 3.487 min Scan# 238

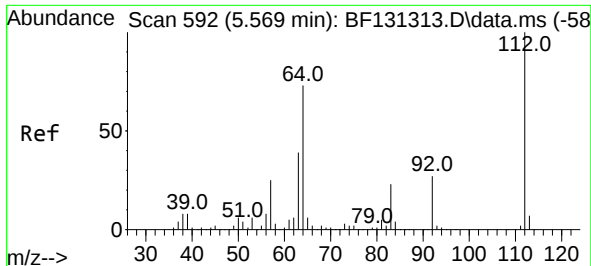
Delta R.T. -0.030 min

Lab File: BF131324.D

Acq: 22 Nov 2022 11:27

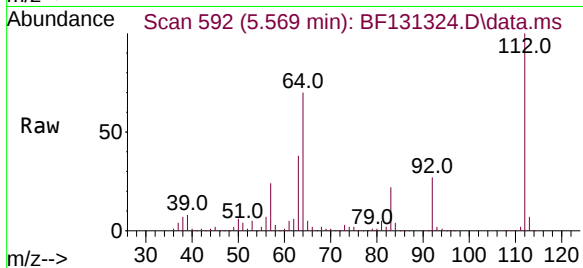
Tgt Ion:	42	Resp:	30090
Ion Ratio	100	Lower	Upper
42	100		
74	99.1	78.0	117.0
44	7.9	5.2	7.8





#5
2-Fluorophenol
Concen: 109.893 ng
RT: 5.569 min Scan# 592
Delta R.T. -0.000 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

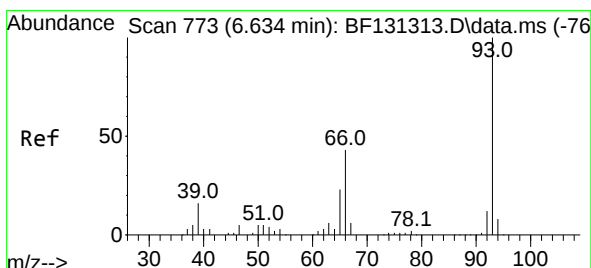
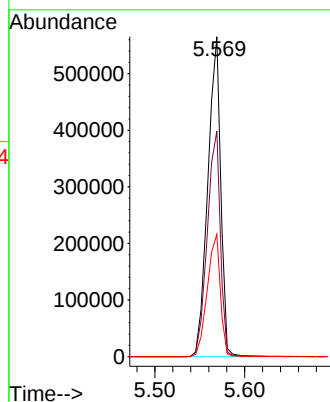
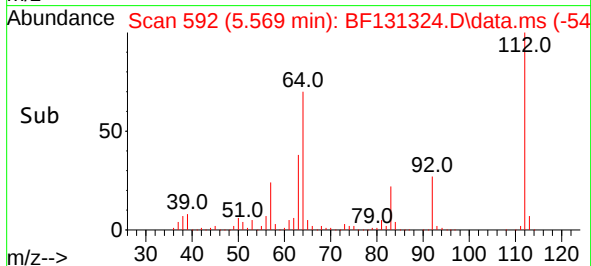
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:112 Resp: 566315
Ion Ratio Lower Upper
112 100
64 70.5 58.6 88.0
63 38.2 31.4 47.0

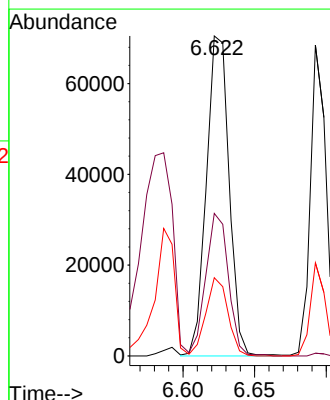
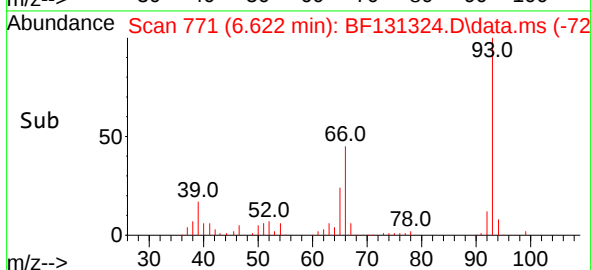
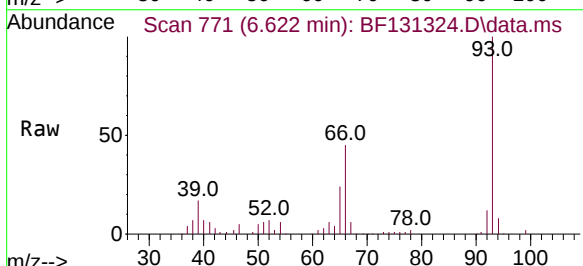
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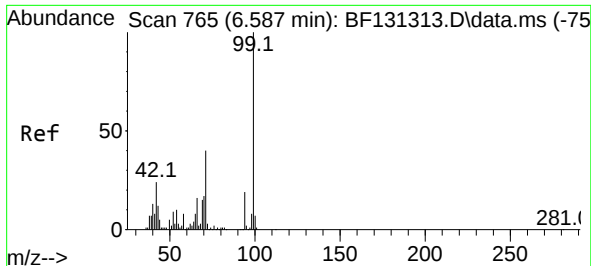
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#6
Aniline
Concen: 9.026 ng m
RT: 6.622 min Scan# 771
Delta R.T. -0.012 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

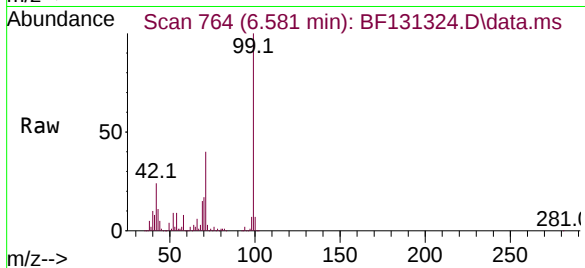
Tgt Ion: 93 Resp: 77775
Ion Ratio Lower Upper
93 100
66 44.5 35.6 53.4
65 24.4 18.4 27.6





#7
Phenol-d6
Concen: 107.261 ng
RT: 6.581 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

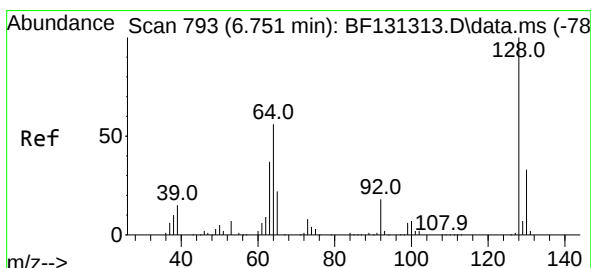
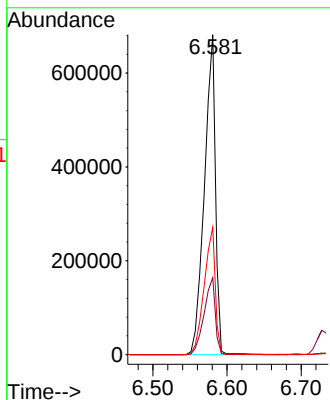
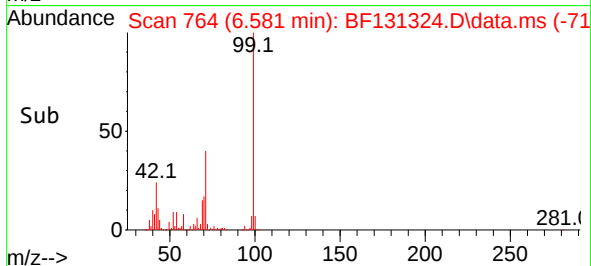
Instrument :
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Tgt Ion: 99 Resp: 705248
Ion Ratio Lower Upper
99 100
42 24.0 19.4 29.2
71 39.8 32.3 48.5

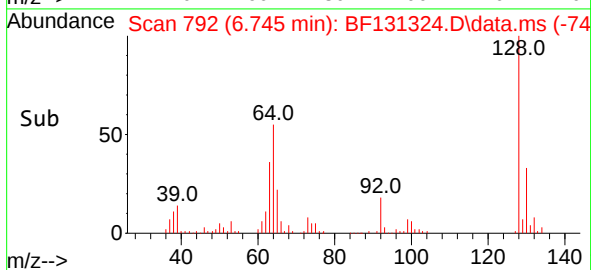
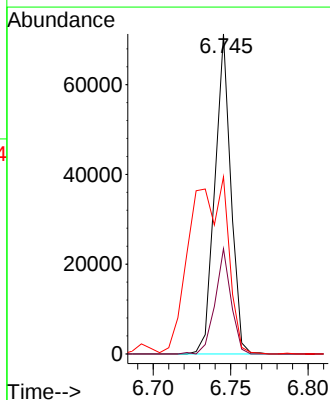
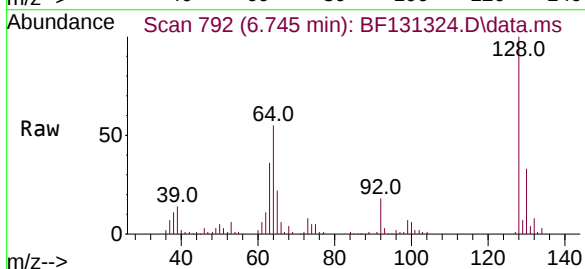
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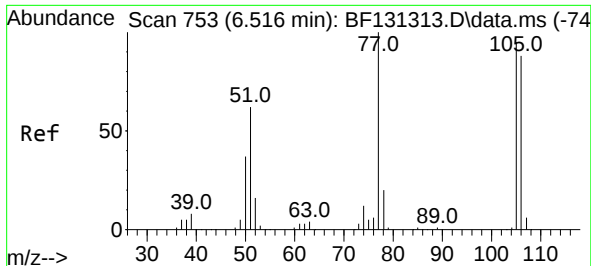
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#8
2-Chlorophenol
Concen: 8.754 ng
RT: 6.745 min Scan# 792
Delta R.T. -0.006 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

Tgt Ion:128 Resp: 51111
Ion Ratio Lower Upper
128 100
130 32.9 12.5 52.5
64 55.3 36.9 76.9





#9

Benzaldehyde

Concen: 10.156 ng

RT: 6.516 min Scan# 753

Delta R.T. -0.000 min

Lab File: BF131324.D

Acq: 22 Nov 2022 11:27

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022

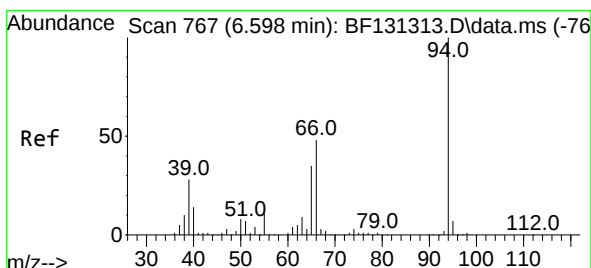
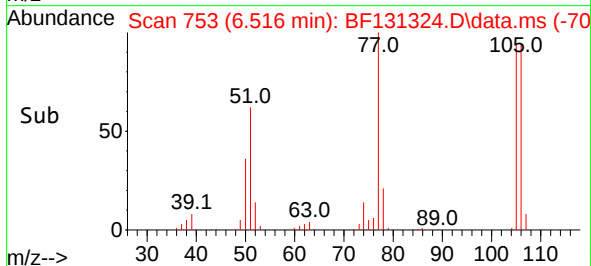
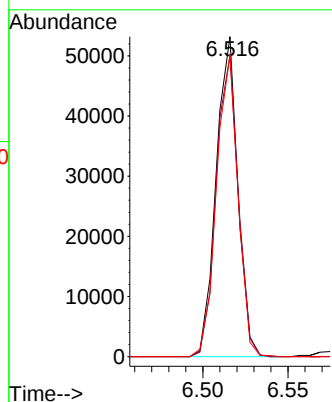
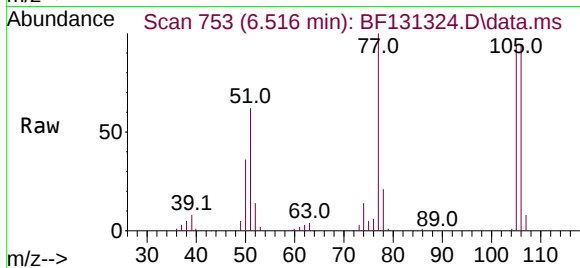
Tgt Ion:	77	Resp:	46914
Ion Ratio	Lower	Upper	
77	100		
105	94.2	74.5	114.5
106	94.2	68.1	108.1

Manual Integrations

APPROVED

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Supervised By :Jagrut Upadhyay 11/23/2022



#10

Phenol

Concen: 8.492 ng

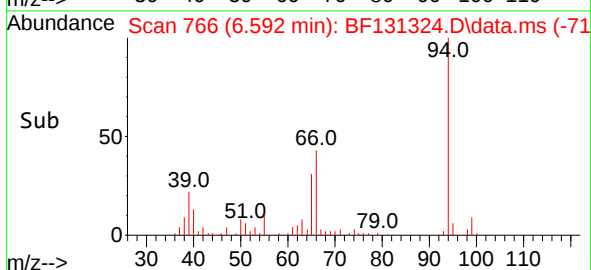
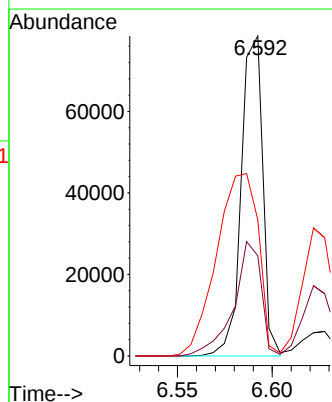
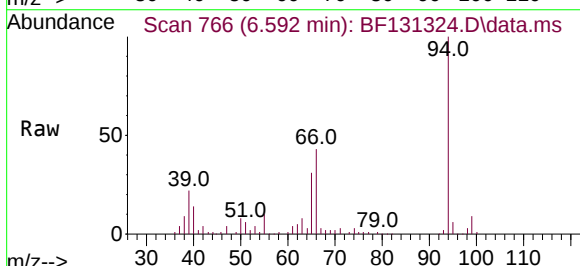
RT: 6.592 min Scan# 766

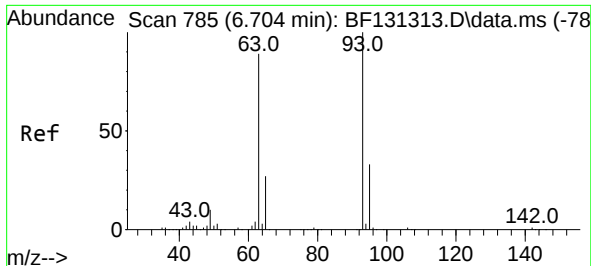
Delta R.T. -0.006 min

Lab File: BF131324.D

Acq: 22 Nov 2022 11:27

Tgt Ion:	94	Resp:	61909
Ion Ratio	Lower	Upper	
94	100		
65	31.3	15.0	55.0
66	42.5	28.6	68.6





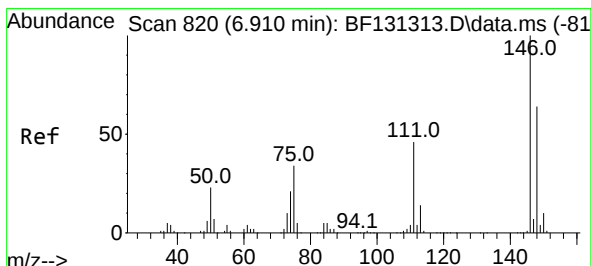
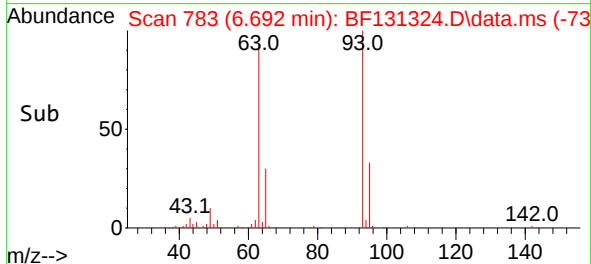
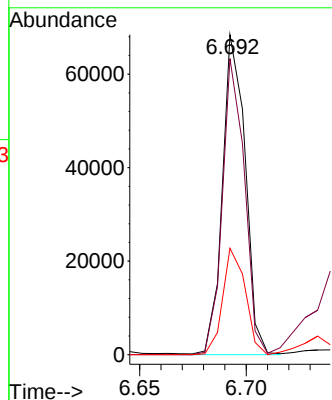
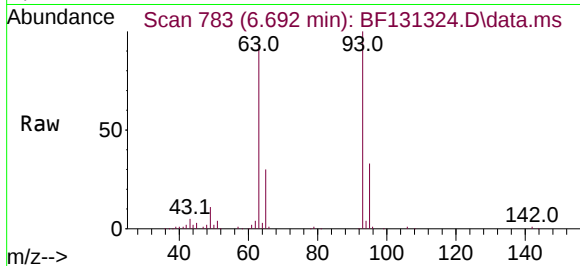
#11
bis(2-Chloroethyl)ether
Concen: 8.343 ng
RT: 6.692 min Scan# 785
Delta R.T. -0.012 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

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

Tgt Ion: 93 Resp: 50952
Ion Ratio Lower Upper
93 100
63 92.5 68.6 108.6
95 33.2 13.1 53.1

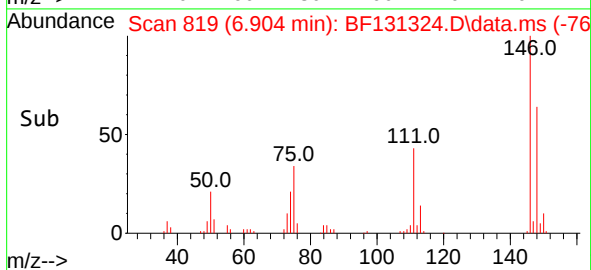
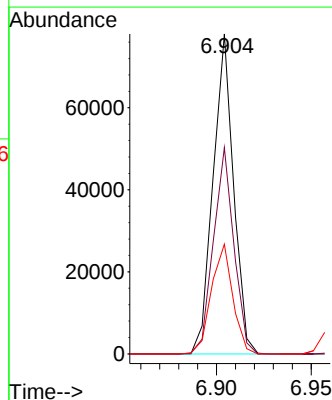
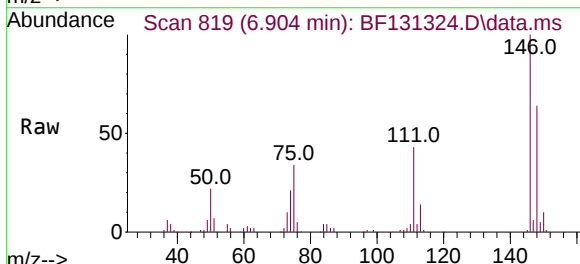
Manual Integrations
APPROVED

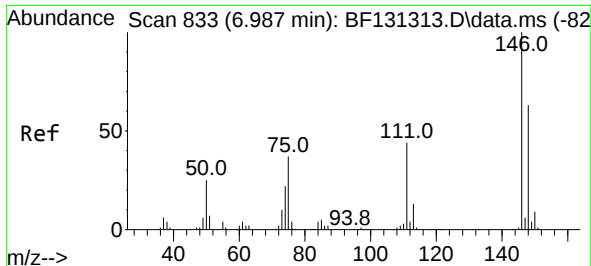
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#12
1,3-Dichlorobenzene
Concen: 8.419 ng
RT: 6.904 min Scan# 819
Delta R.T. -0.006 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

Tgt Ion:146 Resp: 58581
Ion Ratio Lower Upper
146 100
148 64.5 51.4 77.2
75 34.3 27.6 41.4





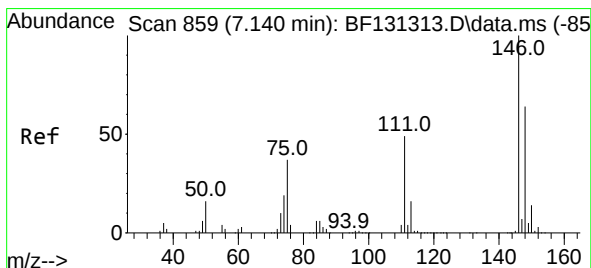
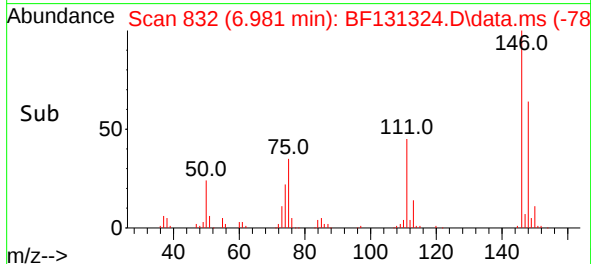
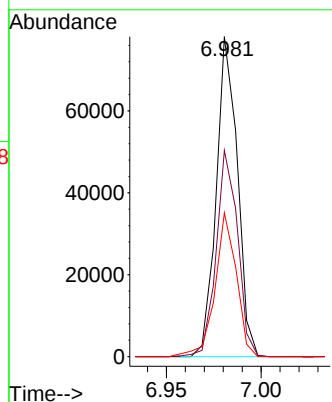
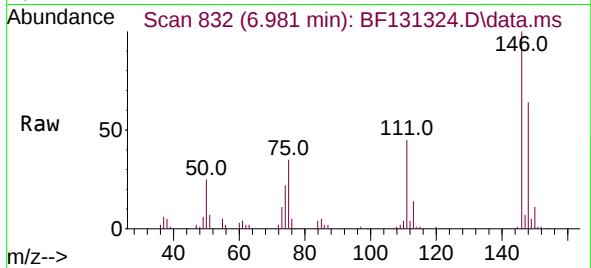
#13
1,4-Dichlorobenzene
Concen: 8.581 ng
RT: 6.981 min Scan# 841
Delta R.T. -0.006 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

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

Tgt Ion:146 Resp: 6067
Ion Ratio Lower Upper
146 100
148 64.4 50.2 75.2
111 44.9 35.0 52.6

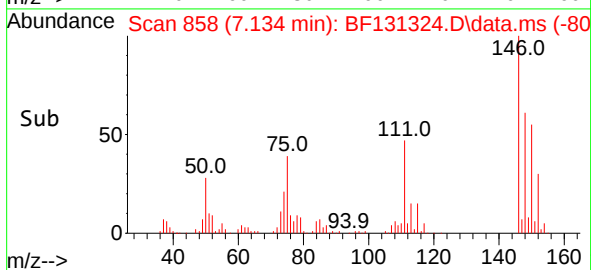
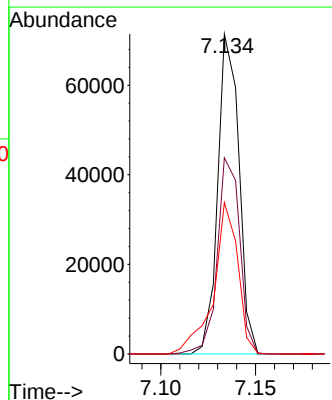
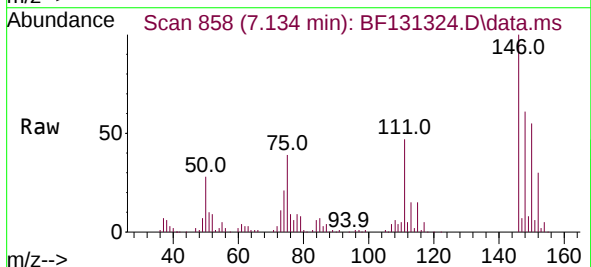
Manual Integrations
APPROVED

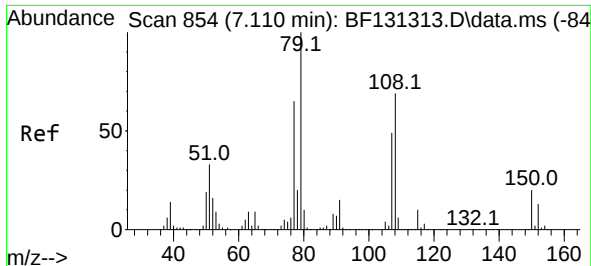
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#14
1,2-Dichlorobenzene
Concen: 8.554 ng
RT: 7.134 min Scan# 858
Delta R.T. -0.006 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

Tgt Ion:146 Resp: 55689
Ion Ratio Lower Upper
146 100
148 61.3 51.4 77.0
111 47.3 39.4 59.0





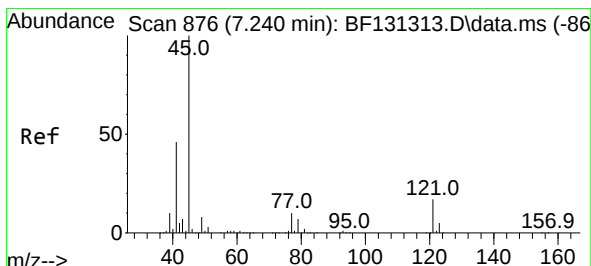
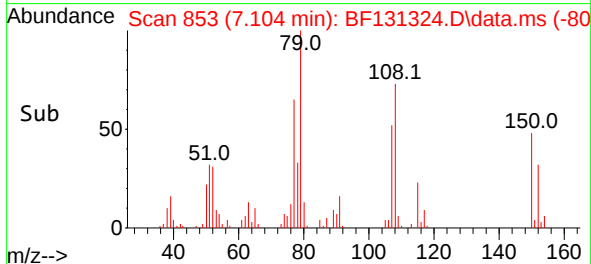
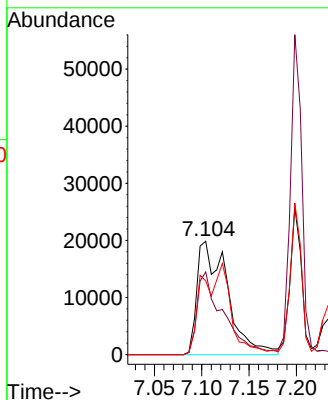
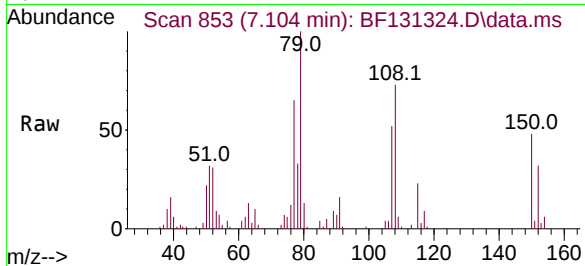
#15
Benzyl Alcohol
Concen: 8.236 ng
RT: 7.104 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

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

Tgt Ion: 79 Resp: 44404
Ion Ratio Lower Upper
79 100
108 73.0 55.1 82.7
77 65.0 51.8 77.8

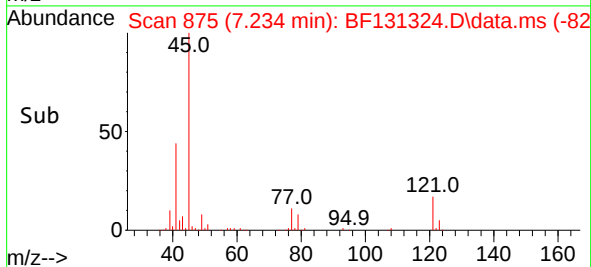
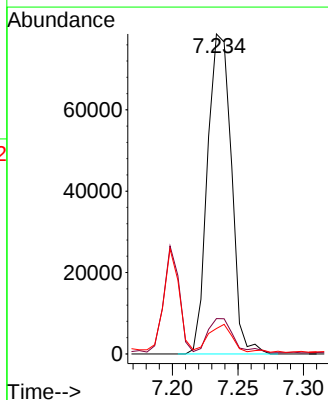
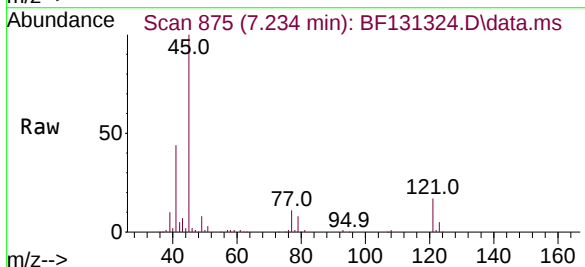
Manual Integrations
APPROVED

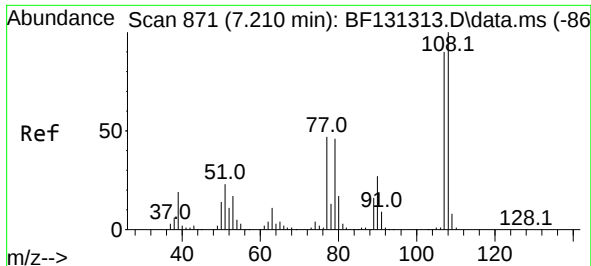
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.511 ng
RT: 7.234 min Scan# 875
Delta R.T. -0.006 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

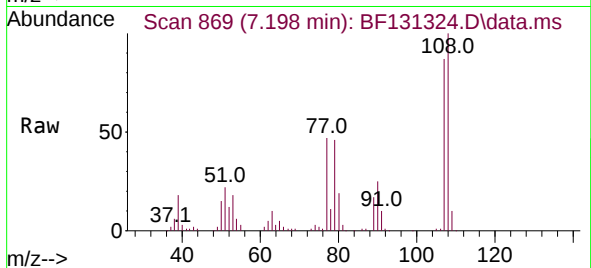
Tgt Ion: 45 Resp: 99410
Ion Ratio Lower Upper
45 100
77 11.0 0.0 31.2
79 7.9 0.0 28.4





#17
2-Methylphenol
Concen: 8.304 ng
RT: 7.198 min Scan# 80
Delta R.T. -0.012 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

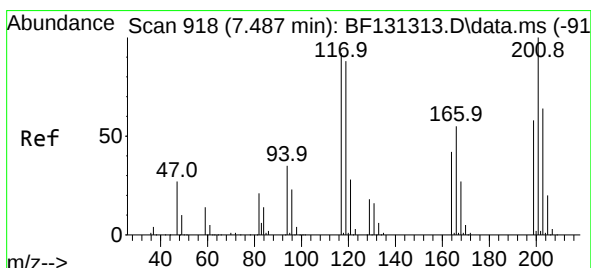
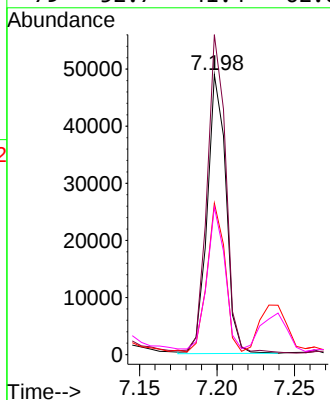
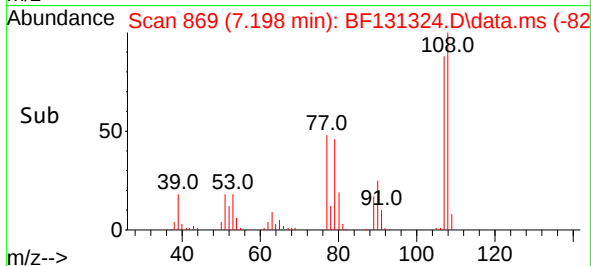
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:107 Resp: 4132
Ion Ratio Lower Upper
107 100
108 114.3 89.0 133.6
77 54.1 42.5 63.7
79 52.7 41.4 62.0

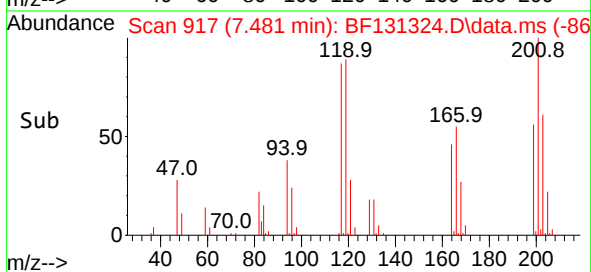
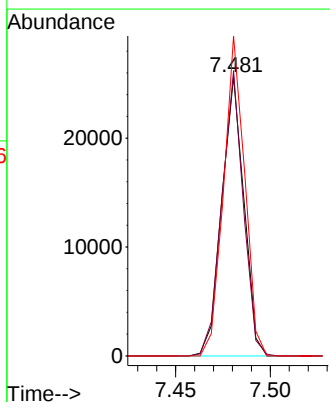
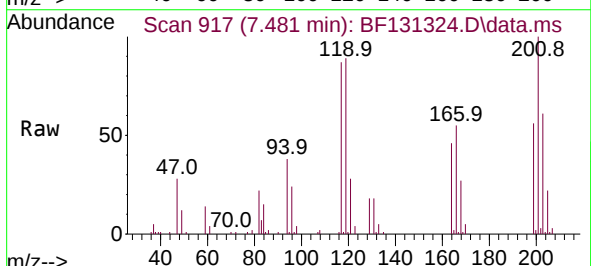
Manual Integrations
APPROVED

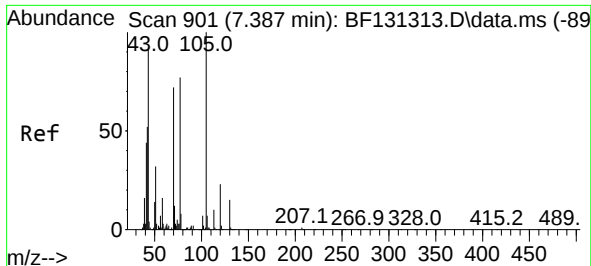
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#18
Hexachloroethane
Concen: 8.210 ng
RT: 7.481 min Scan# 917
Delta R.T. -0.006 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

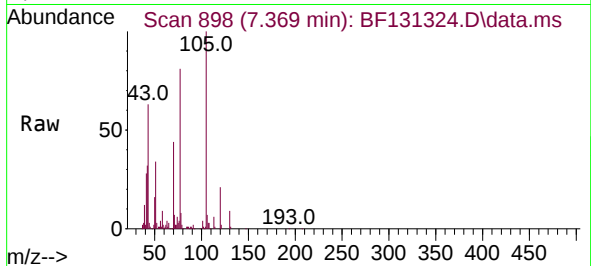
Tgt Ion:117 Resp: 20764
Ion Ratio Lower Upper
117 100
119 102.2 76.6 115.0
201 114.6 87.0 130.6





#19
n-Nitroso-di-n-propylamine
Concen: 8.313 ng
RT: 7.369 min Scan# 894
Delta R.T. -0.018 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

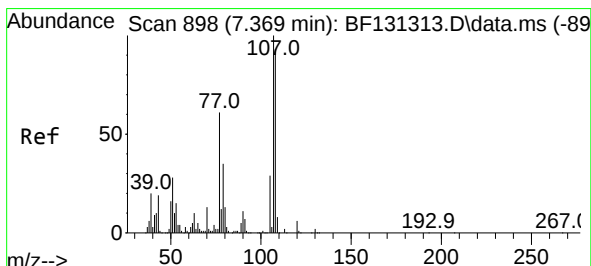
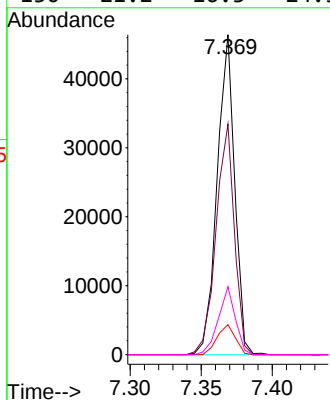
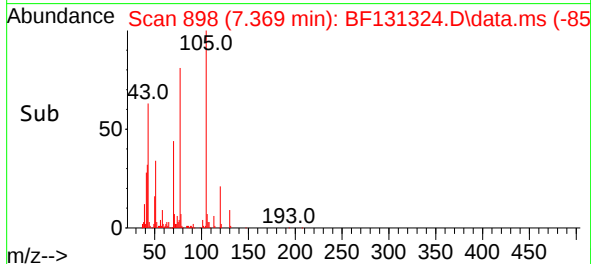
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



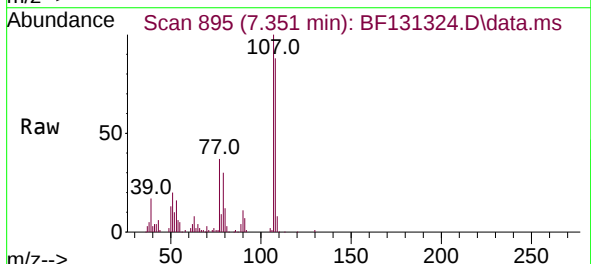
Tgt Ion: 70 Resp: 4001
Ion Ratio Lower Upper
70 100
42 72.0 57.6 86.4
101 9.4 8.2 12.2
130 21.2 16.3 24.5

Manual Integrations
APPROVED

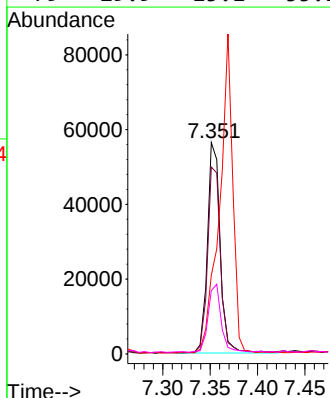
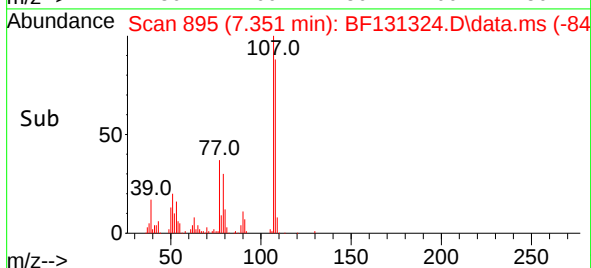
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

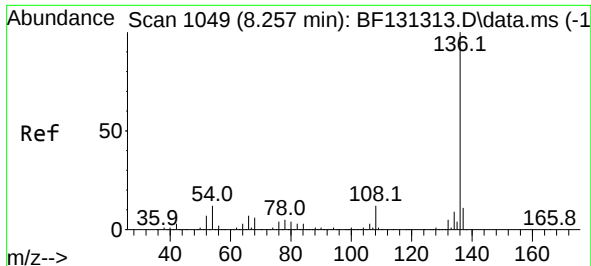


#20
3+4-Methylphenols
Concen: 8.347 ng
RT: 7.351 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27



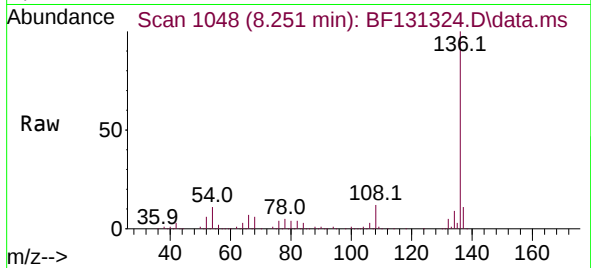
Tgt Ion: 107 Resp: 53032
Ion Ratio Lower Upper
107 100
108 88.4 72.6 112.6
77 37.2 41.4 81.4#
79 29.9 15.1 55.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1048
Delta R.T. -0.006 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

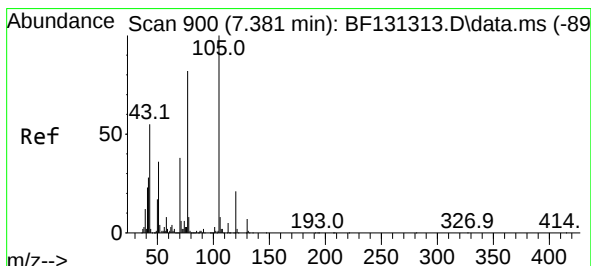
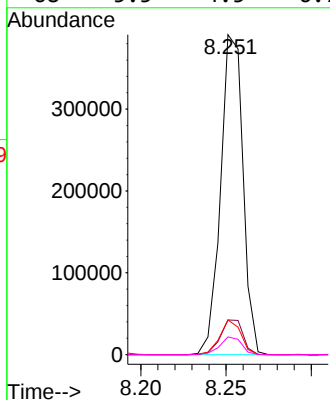
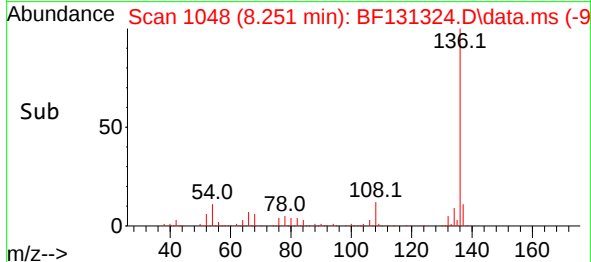
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:136 Resp: 356988
Ion Ratio Lower Upper
136 100
137 10.8 9.0 13.6
54 10.8 9.4 14.0
68 5.5 4.5 6.7

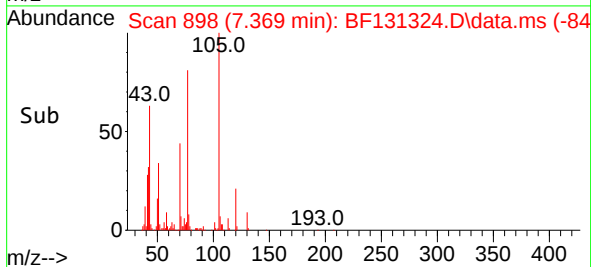
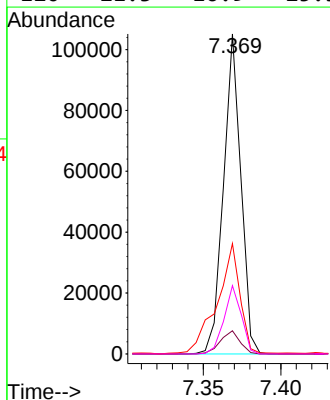
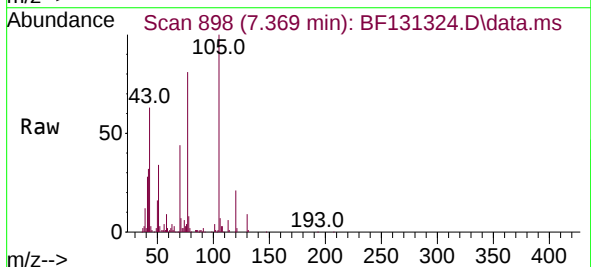
Manual Integrations
APPROVED

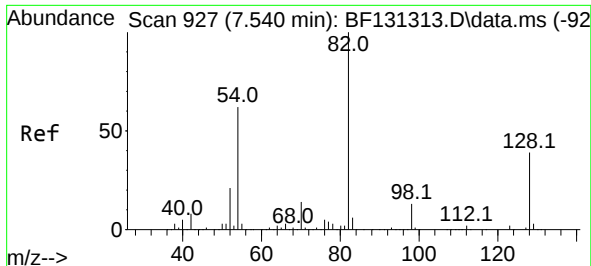
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#22
Acetophenone
Concen: 9.013 ng
RT: 7.369 min Scan# 898
Delta R.T. -0.012 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

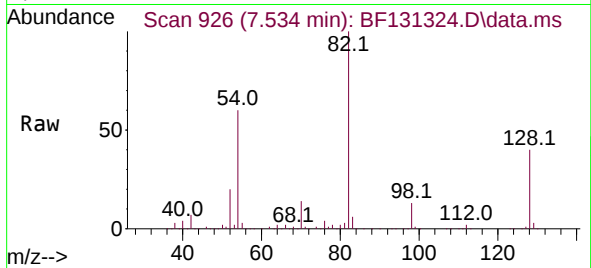
Tgt Ion:105 Resp: 81900
Ion Ratio Lower Upper
105 100
71 7.2 4.9 7.3
51 34.5 29.0 43.4
120 21.3 16.9 25.3





#23
Nitrobenzene-d5
Concen: 74.601 ng
RT: 7.534 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

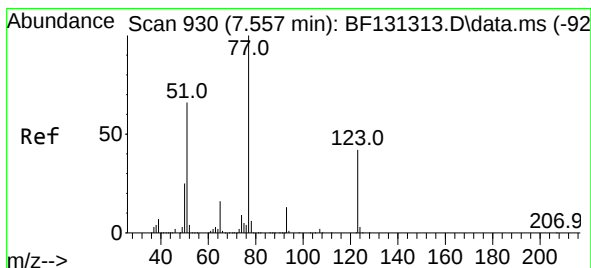
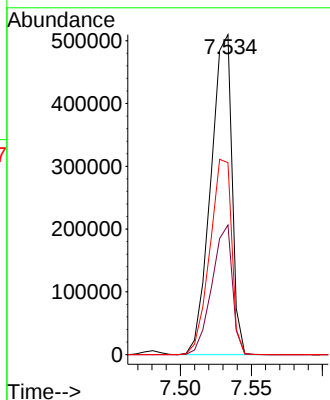
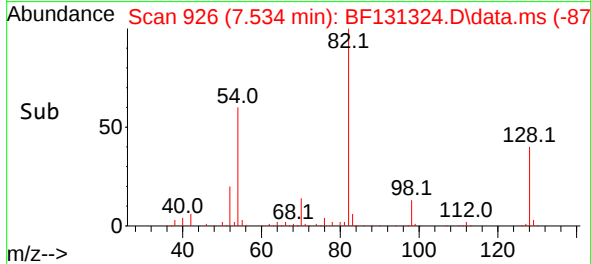
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



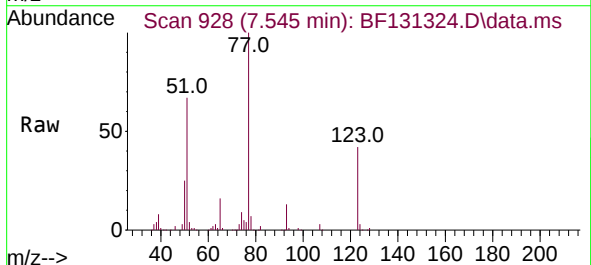
Tgt Ion: 82 Resp: 528318
Ion Ratio Lower Upper
82 100
128 40.5 31.4 47.0
54 60.0 49.8 74.6

Manual Integrations
APPROVED

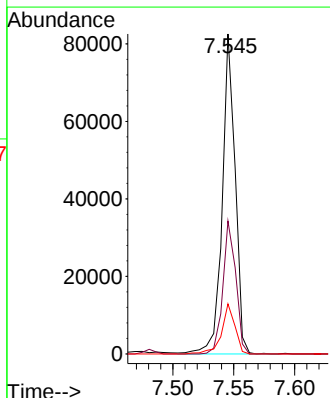
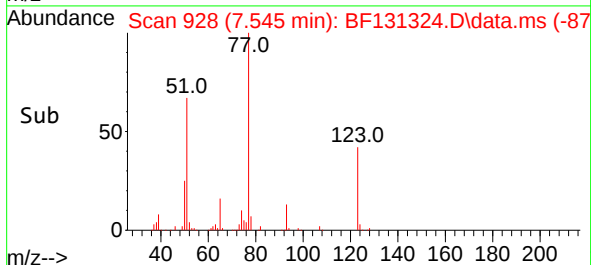
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

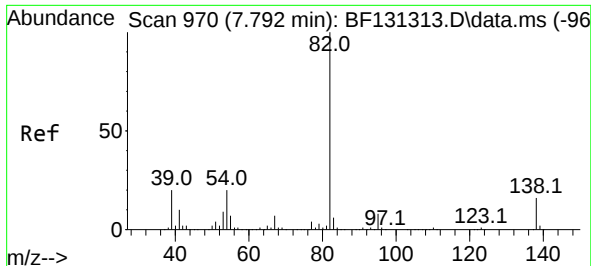


#24
Nitrobenzene
Concen: 8.227 ng
RT: 7.545 min Scan# 928
Delta R.T. -0.012 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27



Tgt Ion: 77 Resp: 60702
Ion Ratio Lower Upper
77 100
123 41.5 33.3 49.9
65 15.6 12.7 19.1





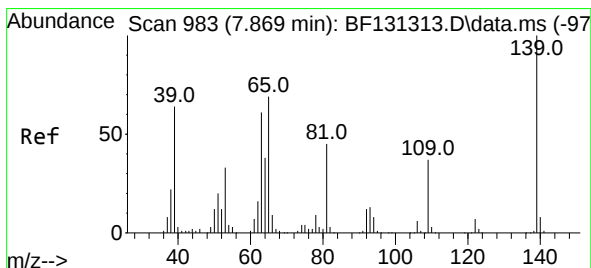
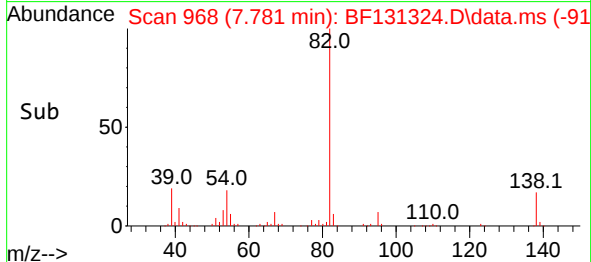
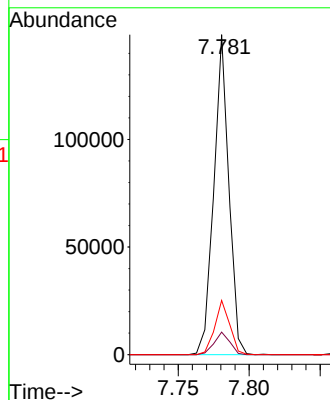
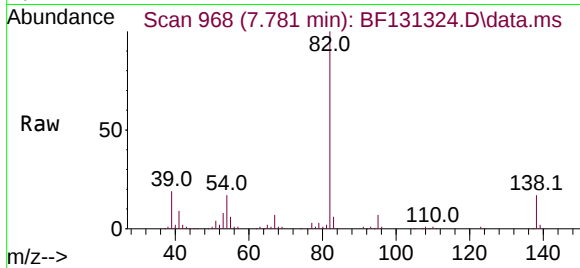
#25
Isophorone
Concen: 8.668 ng
RT: 7.781 min Scan# 90
Delta R.T. -0.012 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

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

Tgt Ion: 82 Resp: 109518
Ion Ratio Lower Upper
82 100
95 7.0 6.2 9.2
138 17.0 12.7 19.1

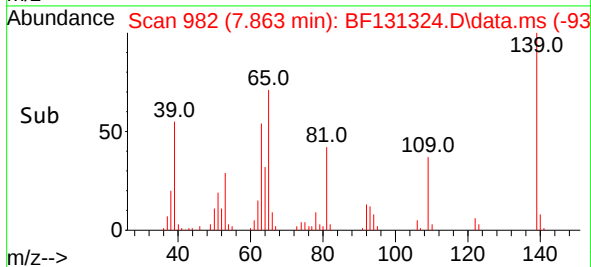
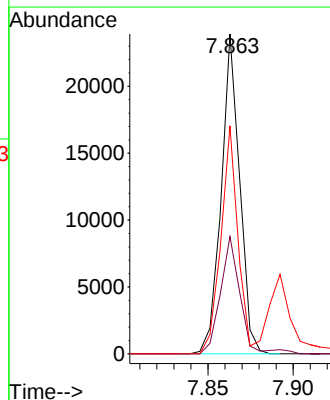
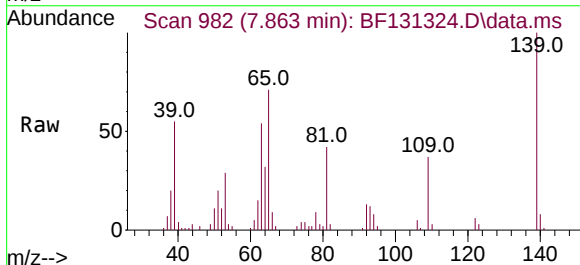
Manual Integrations
APPROVED

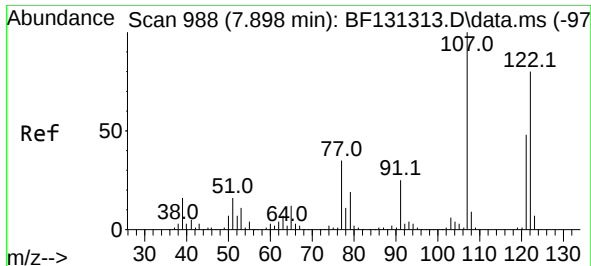
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#26
2-Nitrophenol
Concen: 9.094 ng
RT: 7.863 min Scan# 982
Delta R.T. -0.006 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

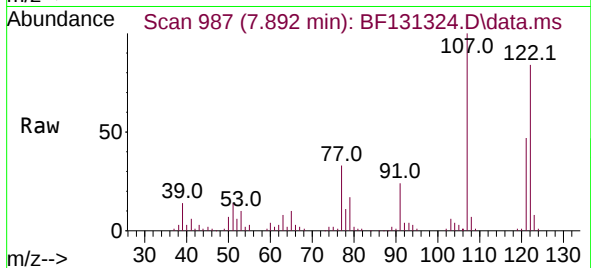
Tgt Ion:139 Resp: 17952
Ion Ratio Lower Upper
139 100
109 36.7 29.9 44.9
65 71.3 55.7 83.5





#27
2,4-Dimethylphenol
Concen: 9.923 ng
RT: 7.892 min Scan# 988
Delta R.T. -0.006 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

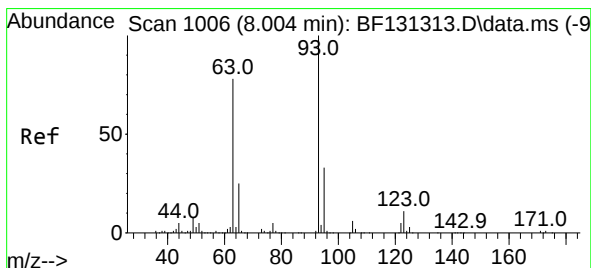
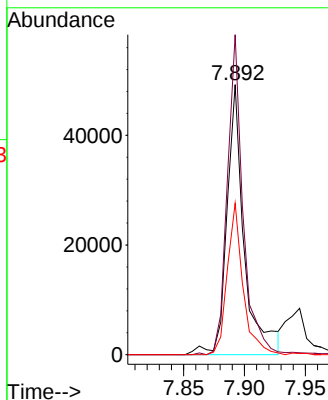
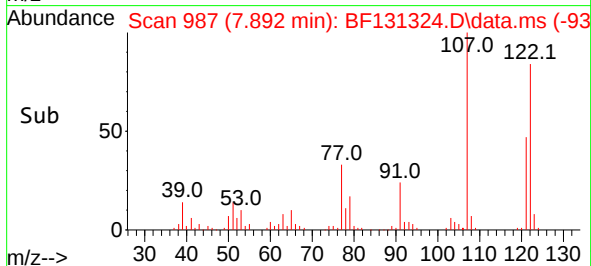
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



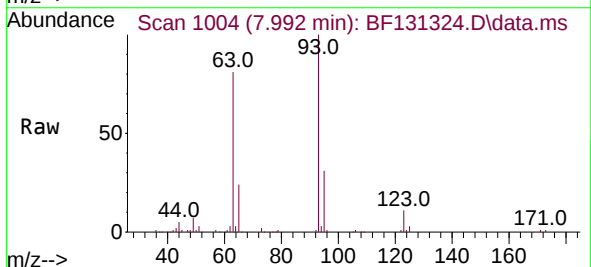
Tgt Ion:122 Resp: 48606
Ion Ratio Lower Upper
122 100
107 118.5 99.9 149.9
121 56.1 47.4 71.2

Manual Integrations
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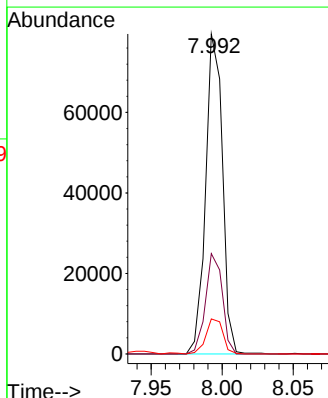
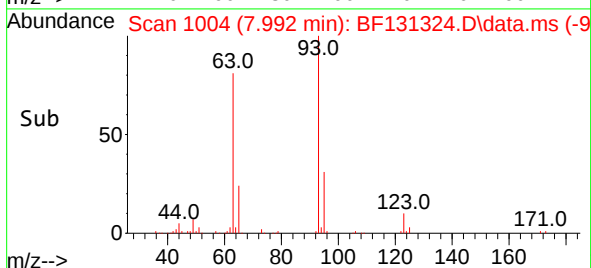
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

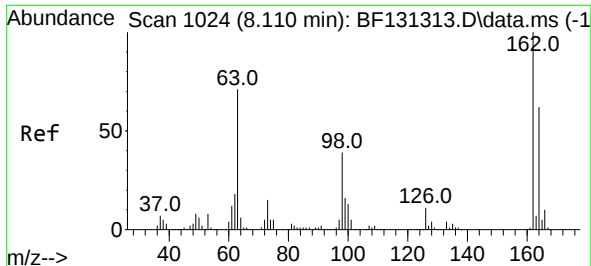


#28
bis(2-Chloroethoxy)methane
Concen: 9.135 ng
RT: 7.992 min Scan# 1004
Delta R.T. -0.012 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27



Tgt Ion: 93 Resp: 65553
Ion Ratio Lower Upper
93 100
95 31.3 26.4 39.6
123 10.9 8.8 13.2





#29

2,4-Dichlorophenol

Concen: 8.158 ng

RT: 8.098 min Scan# 1022

Delta R.T. -0.012 min

Lab File: BF131324.D

Acq: 22 Nov 2022 11:27

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022

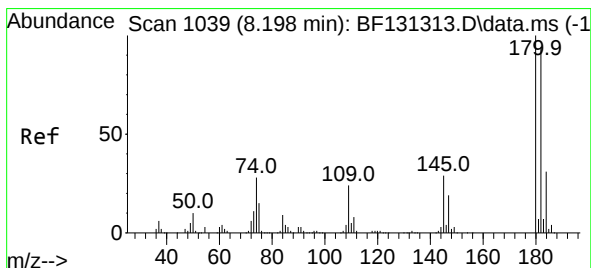
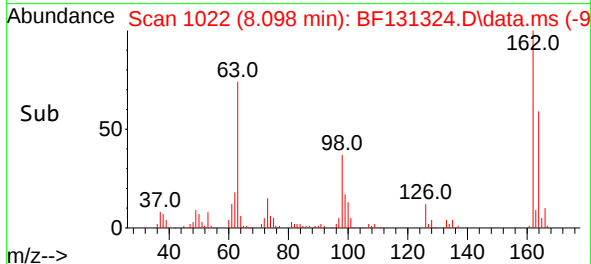
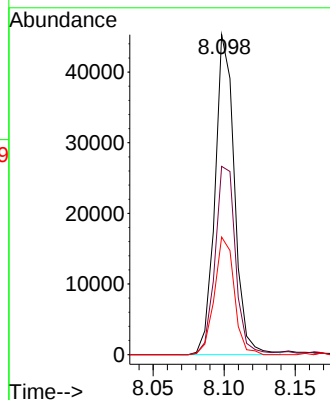
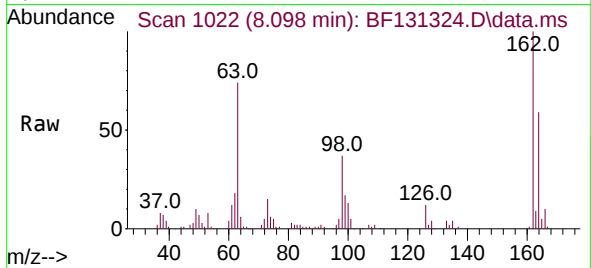
Tgt Ion:162	Resp:	4334
Ion Ratio	Lower	Upper
162	100	
164	58.8	42.2 82.2
98	36.7	18.8 58.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#30

1,2,4-Trichlorobenzene

Concen: 8.084 ng

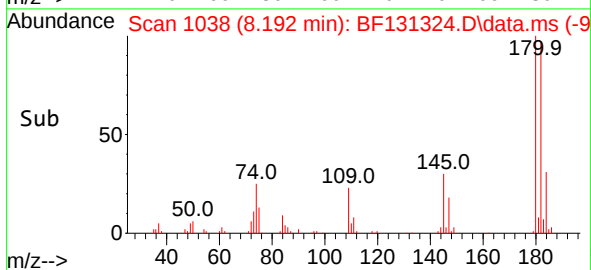
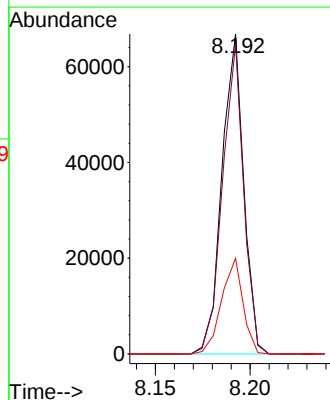
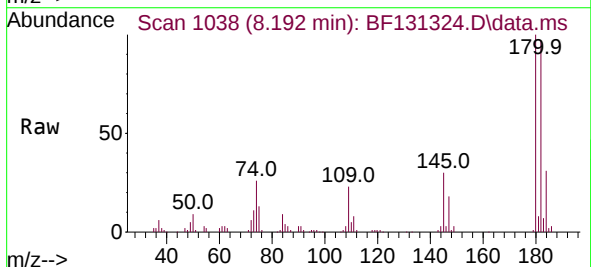
RT: 8.192 min Scan# 1038

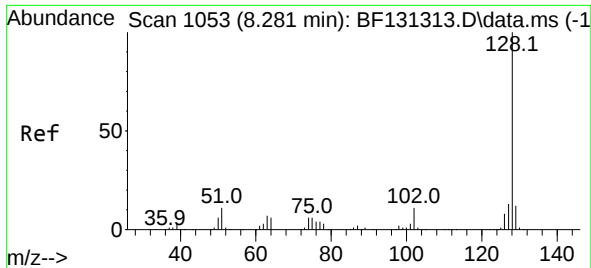
Delta R.T. -0.006 min

Lab File: BF131324.D

Acq: 22 Nov 2022 11:27

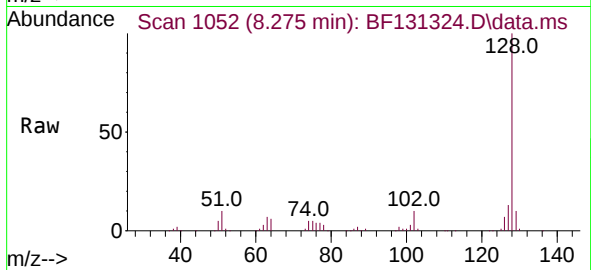
Tgt Ion:180	Resp:	53208
Ion Ratio	Lower	Upper
180	100	
182	96.9	75.3 112.9
145	29.9	23.4 35.0





#31
Naphthalene
Concen: 8.309 ng
RT: 8.275 min Scan# 1053
Delta R.T. -0.006 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

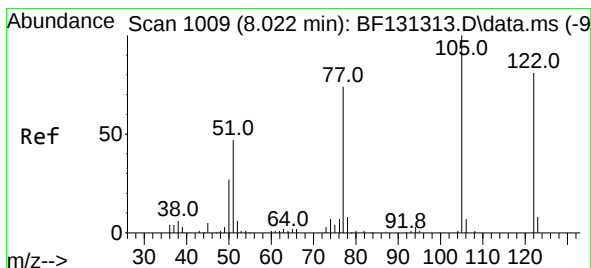
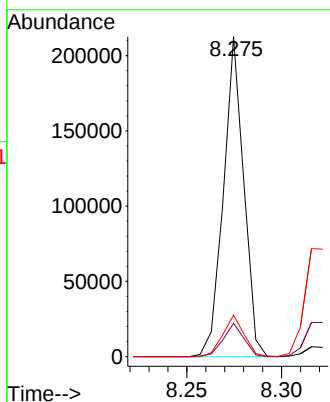
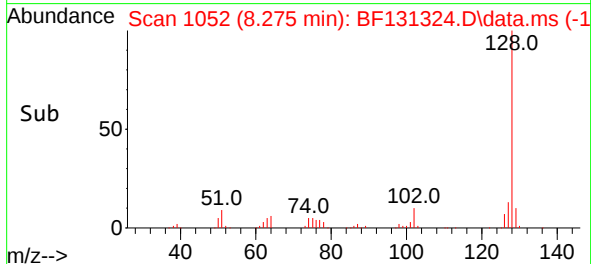
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:128 Resp: 158063
Ion Ratio Lower Upper
128 100
129 10.4 9.2 13.8
127 13.0 10.6 16.0

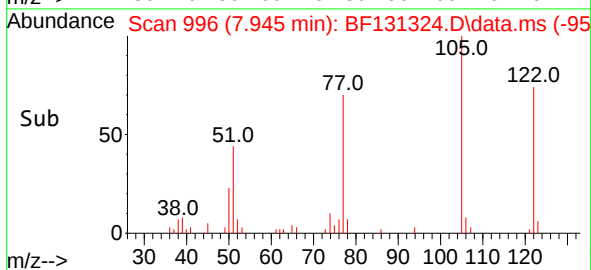
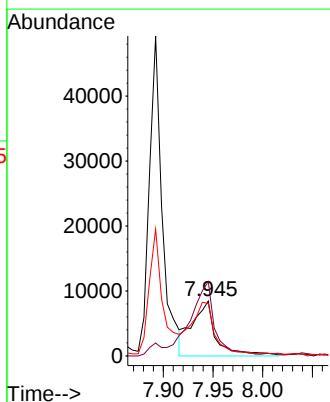
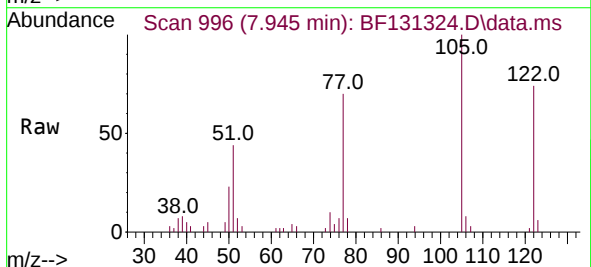
Manual Integrations
APPROVED

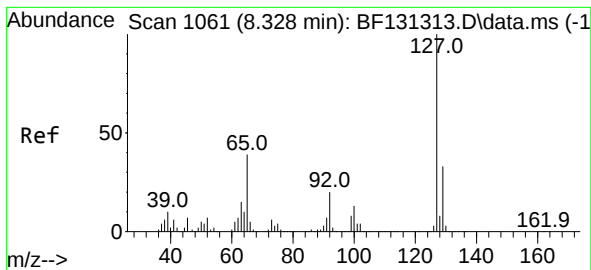
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#32
Benzoic acid
Concen: 5.134 ng m
RT: 7.945 min Scan# 996
Delta R.T. -0.077 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

Tgt Ion:122 Resp: 14295
Ion Ratio Lower Upper
122 100
105 135.5 103.8 143.8
77 95.5 74.3 114.3





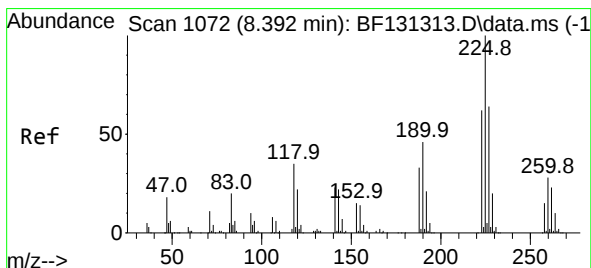
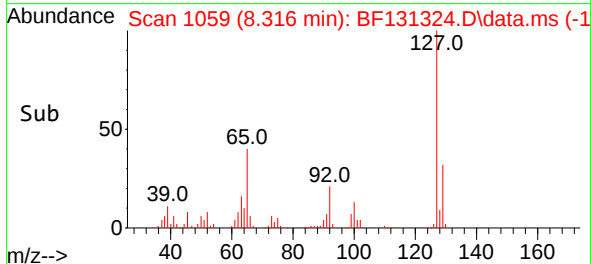
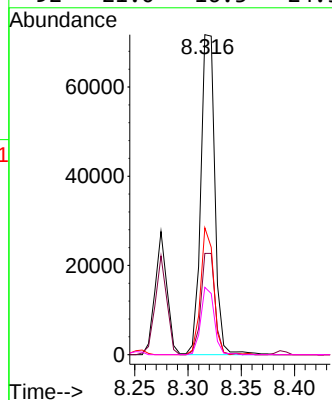
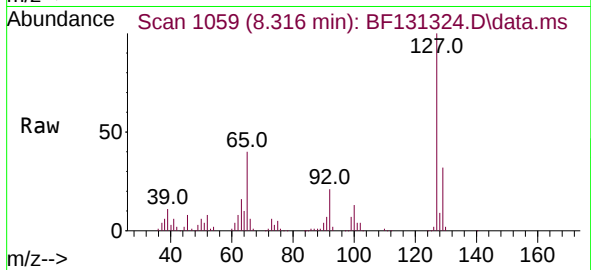
#33
4-Chloroaniline
Concen: 8.737 ng
RT: 8.316 min Scan# 1059
Delta R.T. -0.012 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

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

Tgt Ion:	127	Resp:	65575
Ion Ratio	Lower	Upper	
127	100		
129	31.6	26.4	39.6
65	39.6	31.0	46.6
92	21.0	16.3	24.5

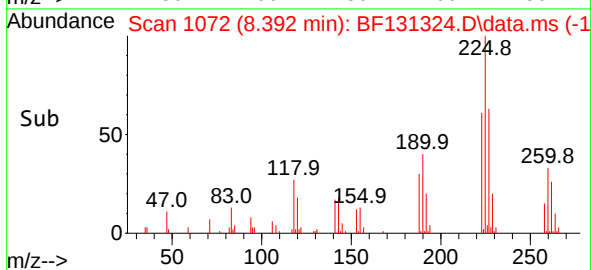
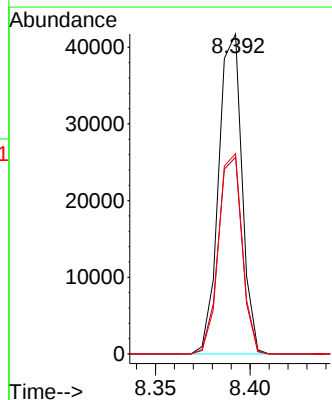
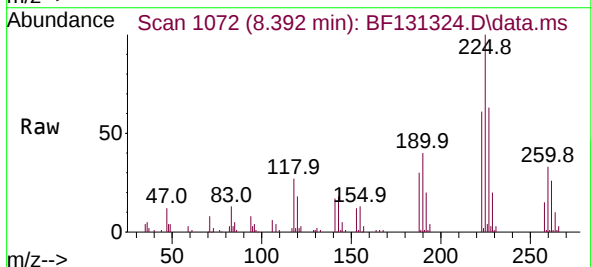
Manual Integrations
APPROVED

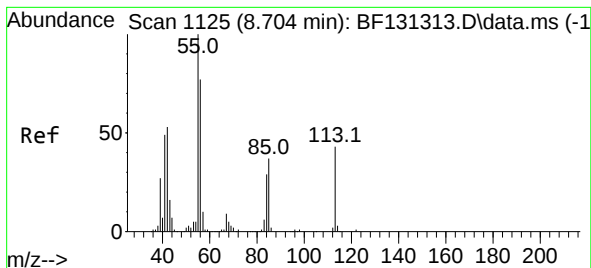
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#34
Hexachlorobutadiene
Concen: 8.413 ng
RT: 8.392 min Scan# 1072
Delta R.T. -0.000 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

Tgt Ion:	225	Resp:	35856
Ion Ratio	Lower	Upper	
225	100		
223	61.5	49.4	74.0
227	62.6	51.1	76.7





#35

Caprolactam

Concen: 9.155 ng

RT: 8.651 min Scan# 1116

Delta R.T. -0.053 min

Lab File: BF131324.D

Acq: 22 Nov 2022 11:27

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022

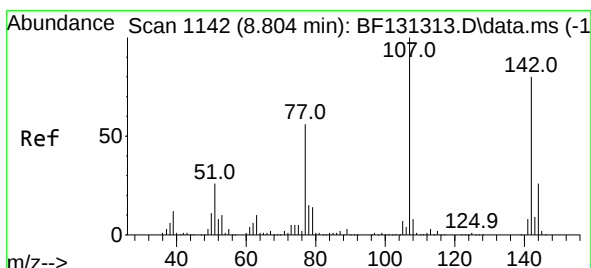
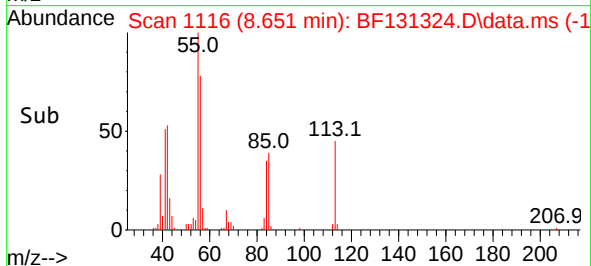
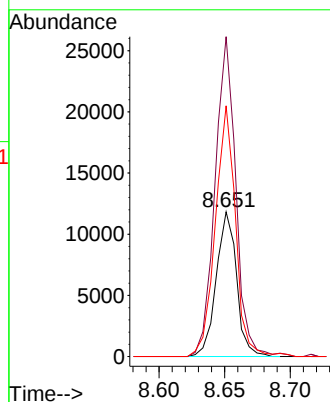
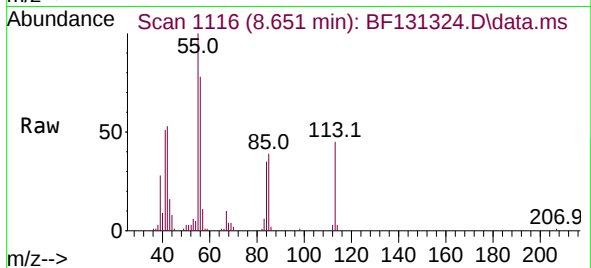
Tgt Ion:	113	Resp:	12782
Ion Ratio	Lower	Upper	
113	100		
55	221.1	214.5	254.5
56	173.3	159.4	199.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#36

4-Chloro-3-methylphenol

Concen: 8.349 ng

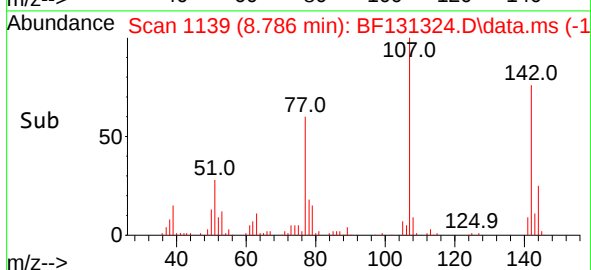
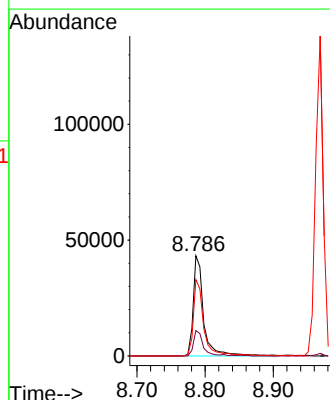
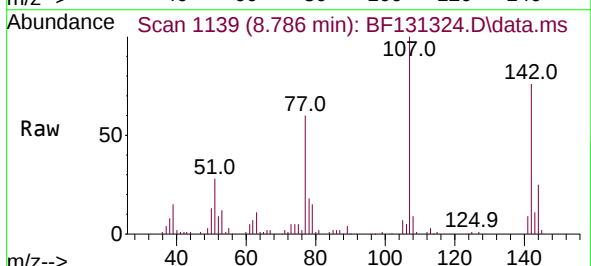
RT: 8.786 min Scan# 1139

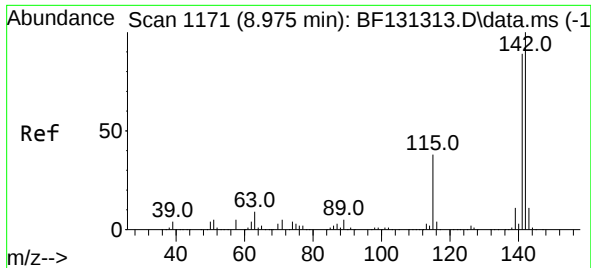
Delta R.T. -0.018 min

Lab File: BF131324.D

Acq: 22 Nov 2022 11:27

Tgt Ion:	107	Resp:	46083
Ion Ratio	Lower	Upper	
107	100		
144	25.3	20.9	31.3
142	76.1	63.9	95.9





#37

2-Methylnaphthalene

Concen: 8.359 ng

RT: 8.969 min Scan# 1170

Delta R.T. -0.006 min

Lab File: BF131324.D

Acq: 22 Nov 2022 11:27

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022

Tgt Ion:142 Resp: 107746

Ion Ratio Lower Upper

142 100

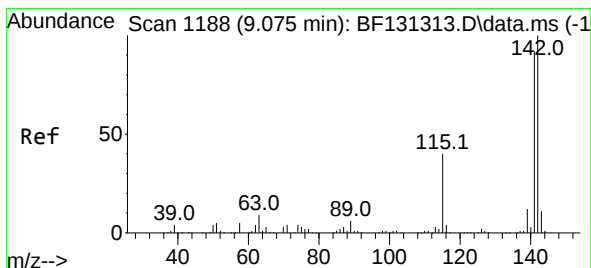
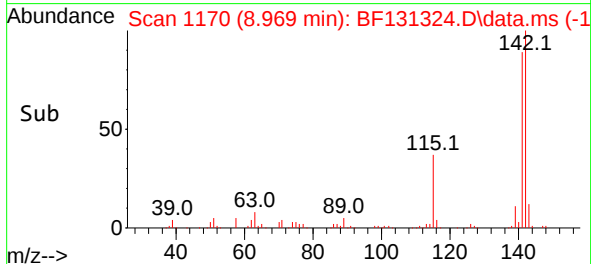
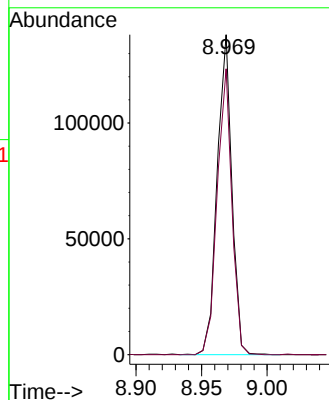
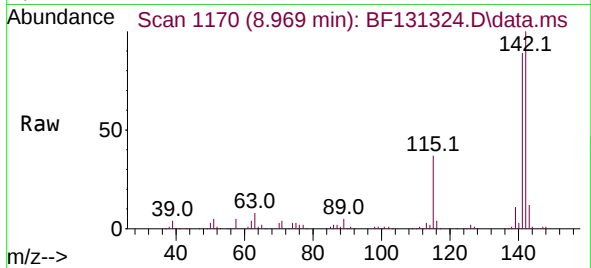
141 89.3 71.0 106.4

Manual Integrations

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Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#38

1-Methylnaphthalene

Concen: 8.287 ng

RT: 9.069 min Scan# 1187

Delta R.T. -0.006 min

Lab File: BF131324.D

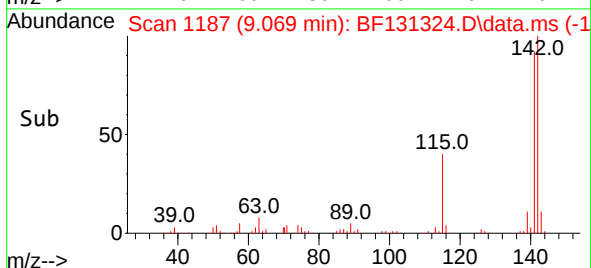
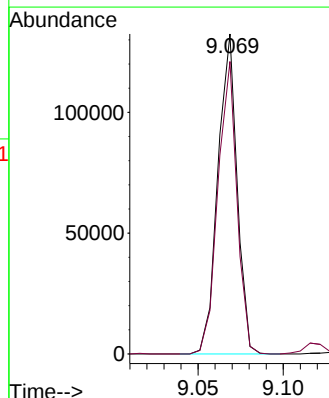
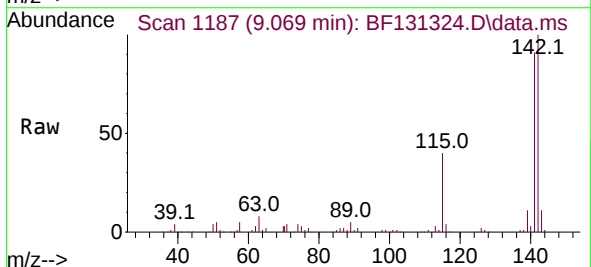
Acq: 22 Nov 2022 11:27

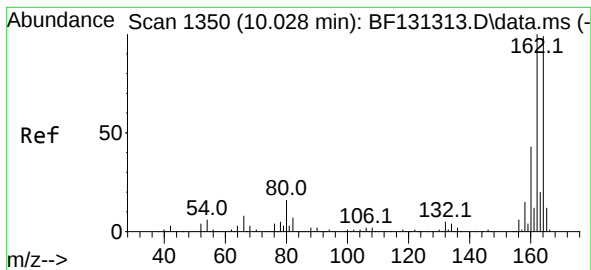
Tgt Ion:142 Resp: 103579

Ion Ratio Lower Upper

142 100

141 91.4 73.4 110.0





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.016 min Scan# 1348

Delta R.T. -0.012 min

Lab File: BF131324.D

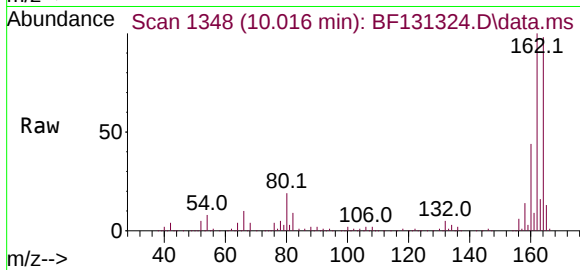
Acq: 22 Nov 2022 11:27

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022



Tgt Ion:164 Resp: 211155

Ion Ratio Lower Upper

164 100

162 101.7 80.6 120.8

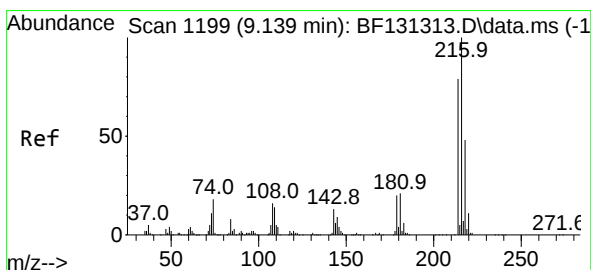
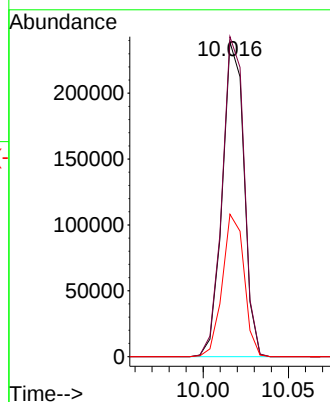
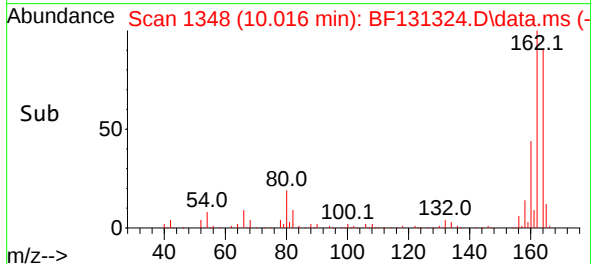
160 45.3 34.4 51.6

Manual Integrations

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Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.436 ng

RT: 9.133 min Scan# 1198

Delta R.T. -0.006 min

Lab File: BF131324.D

Acq: 22 Nov 2022 11:27

Tgt Ion:216 Resp: 57804

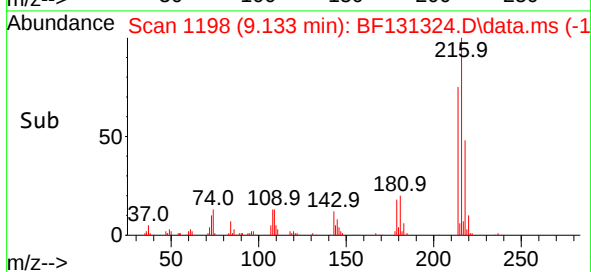
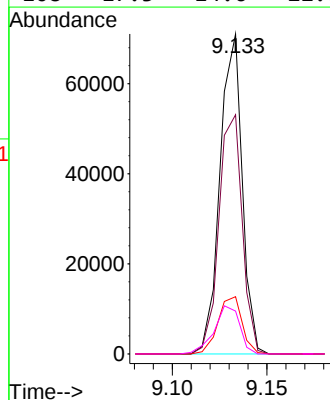
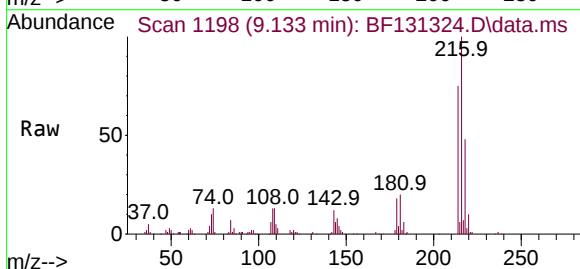
Ion Ratio Lower Upper

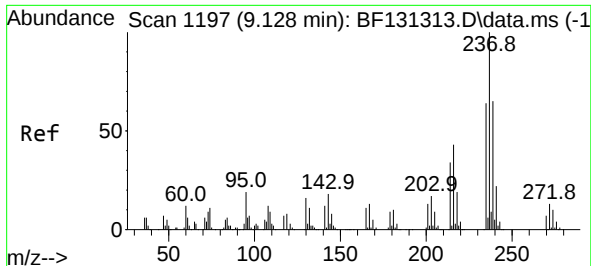
216 100

214 78.6 63.1 94.7

179 19.4 16.2 24.4

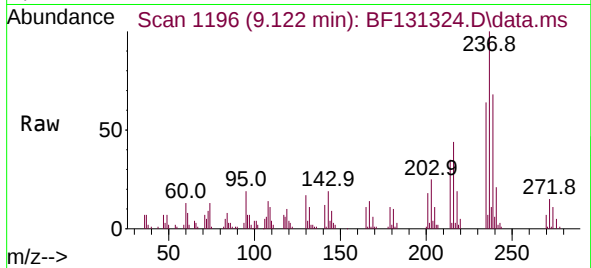
108 17.3 14.6 22.0





#41
Hexachlorocyclopentadiene
Concen: 8.548 ng
RT: 9.122 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

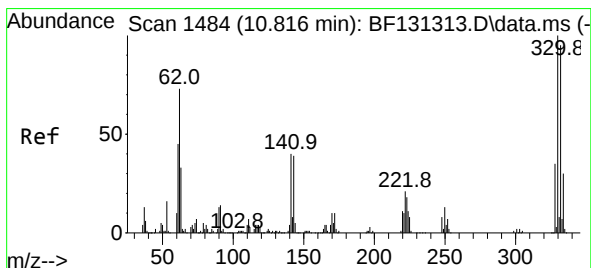
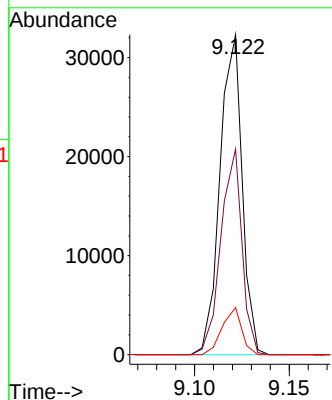
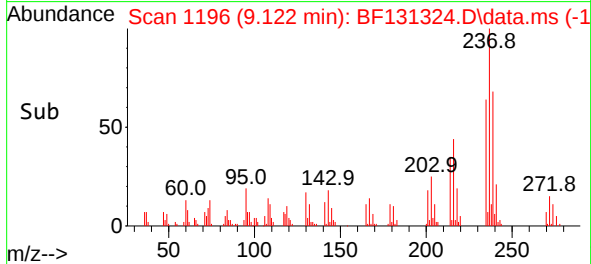
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



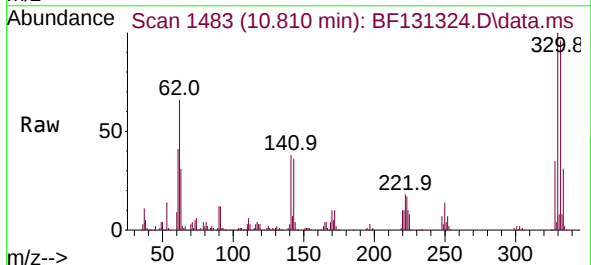
Tgt Ion: 237 Resp: 26332
Ion Ratio Lower Upper
237 100
235 64.2 44.2 84.2
272 14.7 0.0 33.4

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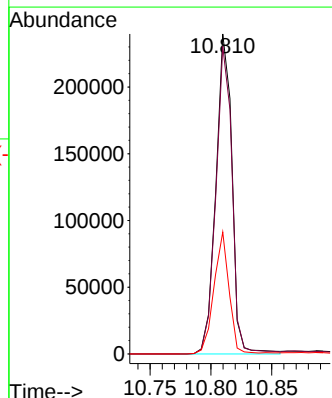
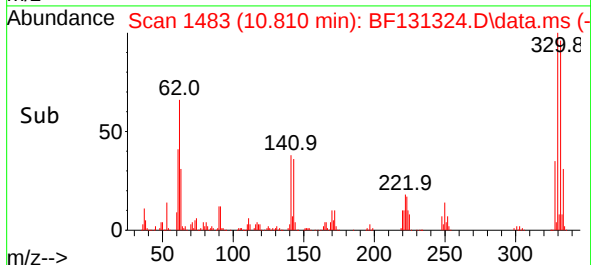
Reviewed By : Christian Giraldo 11/23/2022
Supervised By : Jagrut Upadhyay 11/23/2022

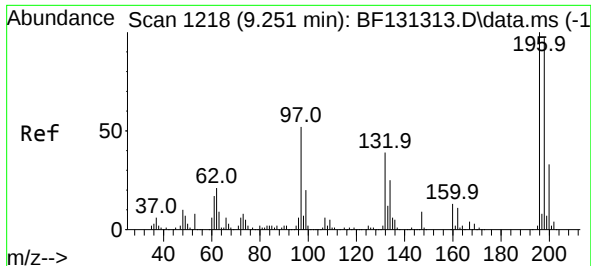


#42
2,4,6-Tribromophenol
Concen: 124.108 ng
RT: 10.810 min Scan# 1483
Delta R.T. -0.006 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27



Tgt Ion: 330 Resp: 220473
Ion Ratio Lower Upper
330 100
332 96.4 77.5 116.3
141 36.0 29.3 43.9





#43

2,4,6-Trichlorophenol

Concen: 7.263 ng

RT: 9.239 min Scan# 1216

Delta R.T. -0.012 min

Lab File: BF131324.D

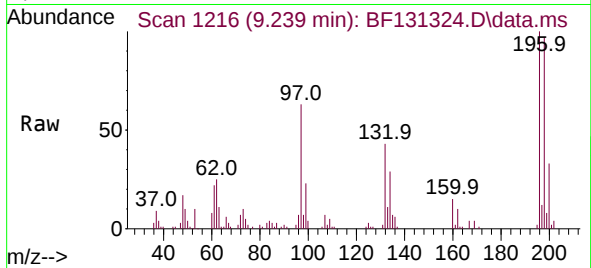
Acq: 22 Nov 2022 11:27

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022



Tgt Ion:196 Resp: 2823

Ion Ratio Lower Upper

196 100

198 97.4 77.4 116.0

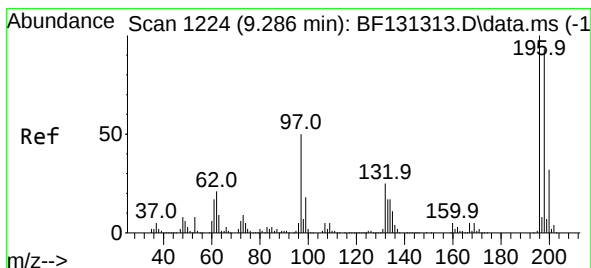
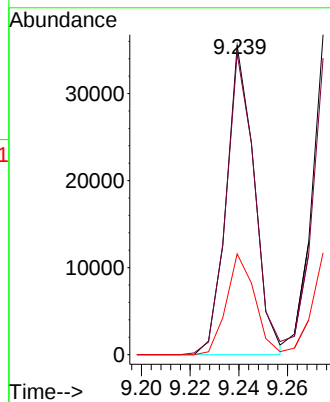
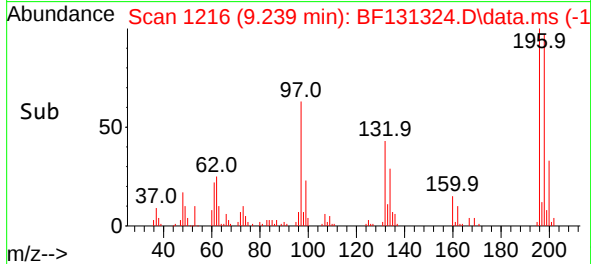
200 32.6 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#44

2,4,5-Trichlorophenol

Concen: 8.568 ng

RT: 9.275 min Scan# 1222

Delta R.T. -0.012 min

Lab File: BF131324.D

Acq: 22 Nov 2022 11:27

Tgt Ion:196 Resp: 37452

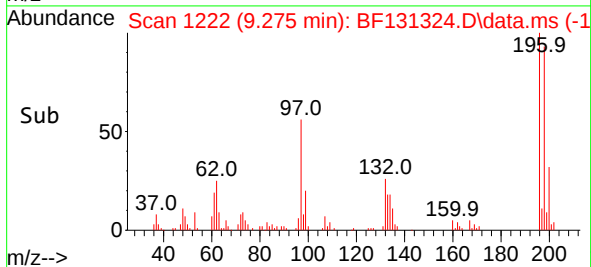
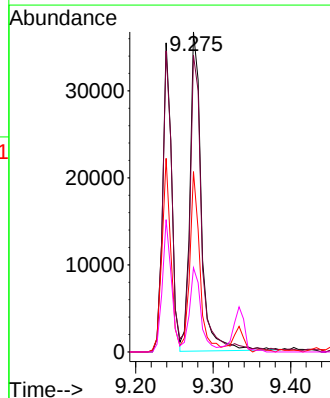
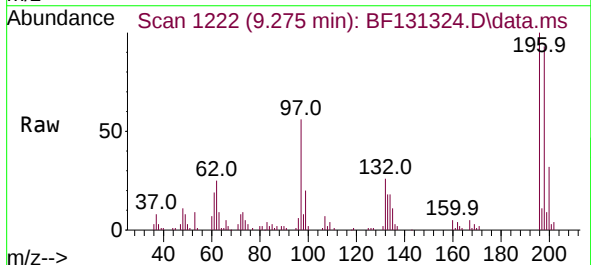
Ion Ratio Lower Upper

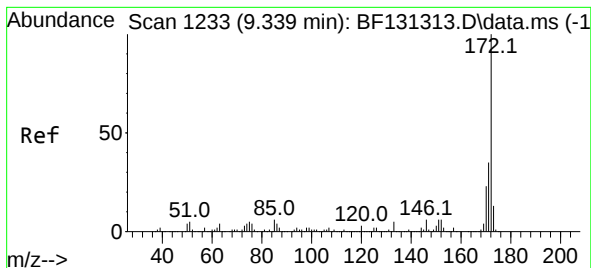
196 100

198 92.7 75.0 112.4

97 56.3 40.3 60.5

132 26.3 20.3 30.5





#45

2-Fluorobiphenyl

Concen: 70.199 ng

RT: 9.333 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF131324.D

Acq: 22 Nov 2022 11:27

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022

Tgt Ion:172 Resp: 101888

Ion Ratio Lower Upper

172 100

171 35.1 28.2 42.2

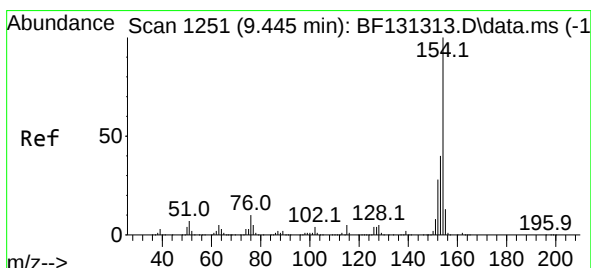
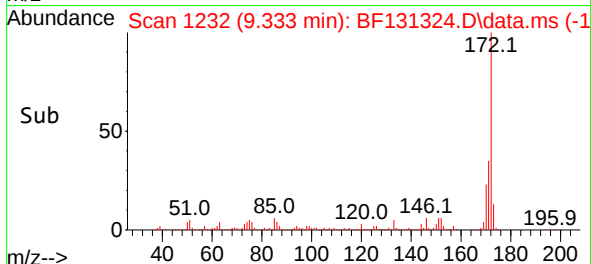
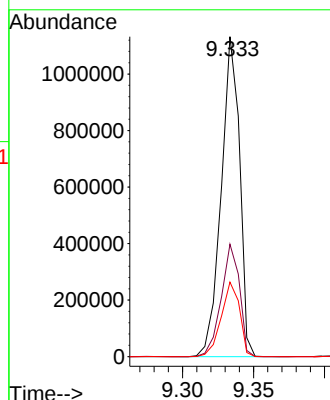
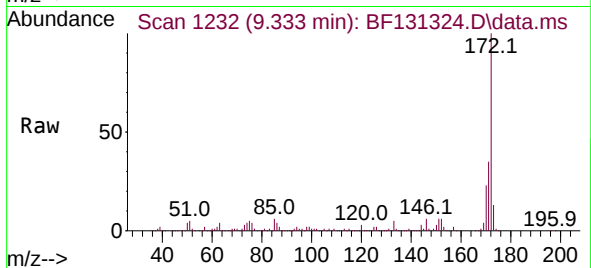
170 23.3 18.7 28.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#46

1,1'-Biphenyl

Concen: 8.892 ng

RT: 9.433 min Scan# 1249

Delta R.T. -0.012 min

Lab File: BF131324.D

Acq: 22 Nov 2022 11:27

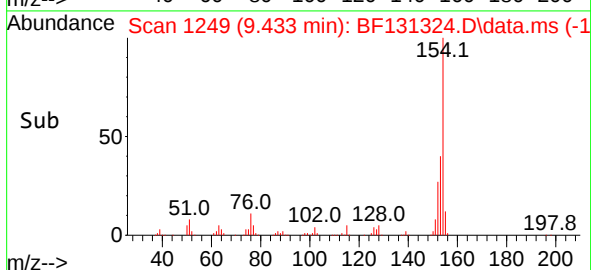
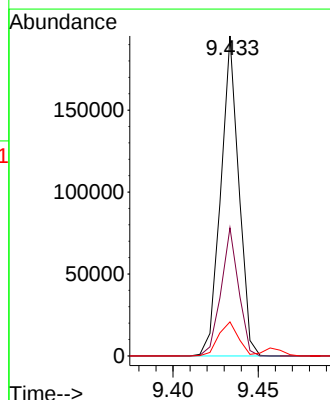
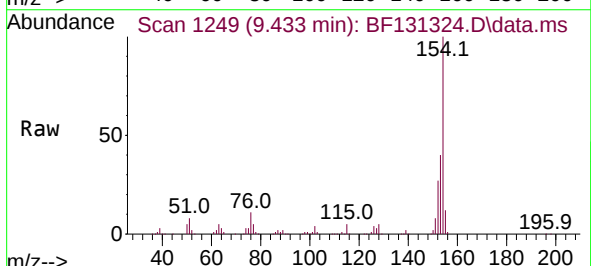
Tgt Ion:154 Resp: 143279

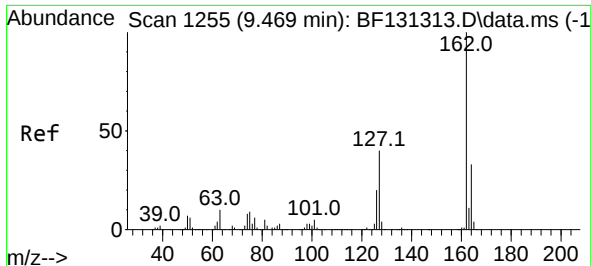
Ion Ratio Lower Upper

154 100

153 40.0 19.8 59.8

76 10.6 0.0 30.2





#47

2-Chloronaphthalene

Concen: 8.468 ng

RT: 9.457 min Scan# 1253

Delta R.T. -0.012 min

Lab File: BF131324.D

Acq: 22 Nov 2022 11:27

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022

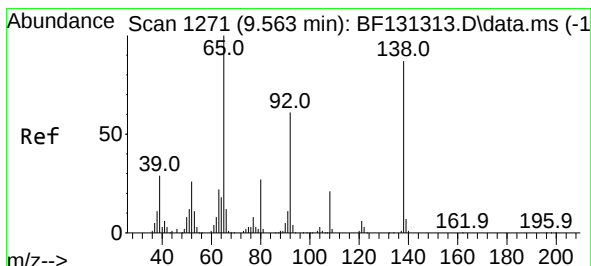
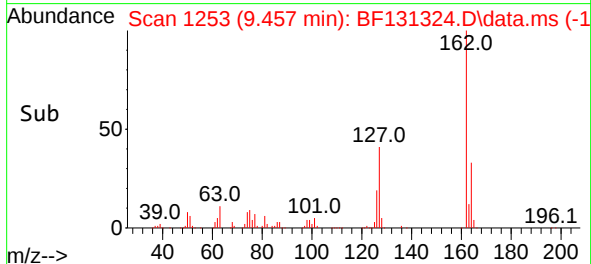
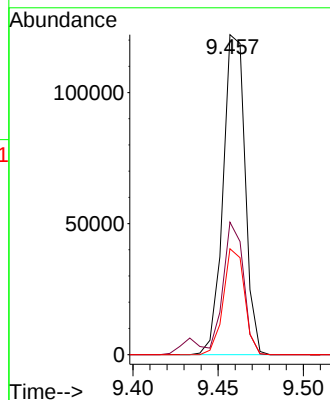
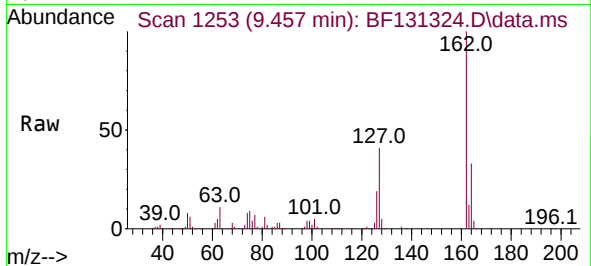
Tgt Ion:162 Resp: 109462
 Ion Ratio Lower Upper
 162 100
 127 41.4 32.1 48.1
 164 33.1 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#48

2-Nitroaniline

Concen: 7.783 ng

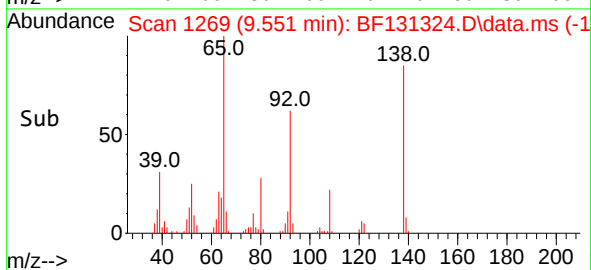
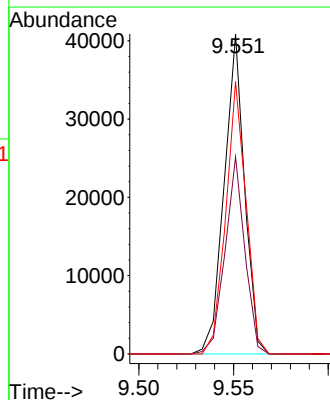
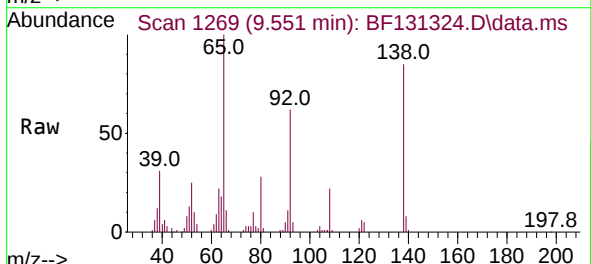
RT: 9.551 min Scan# 1269

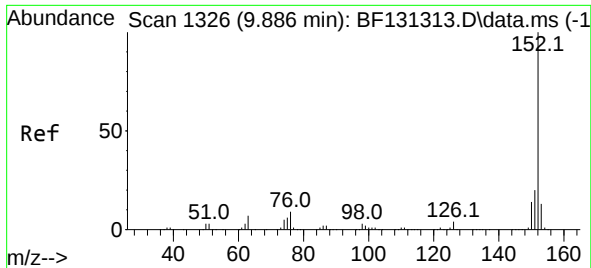
Delta R.T. -0.012 min

Lab File: BF131324.D

Acq: 22 Nov 2022 11:27

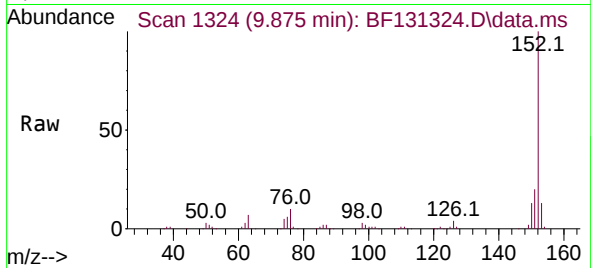
Tgt Ion: 65 Resp: 30545
 Ion Ratio Lower Upper
 65 100
 92 61.6 49.0 73.4
 138 85.1 69.4 104.2





#49
Acenaphthylene
Concen: 8.484 ng
RT: 9.875 min Scan# 1326
Delta R.T. -0.012 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

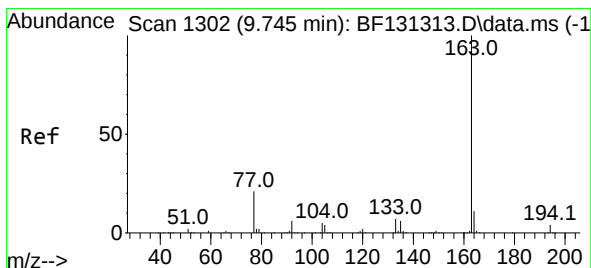
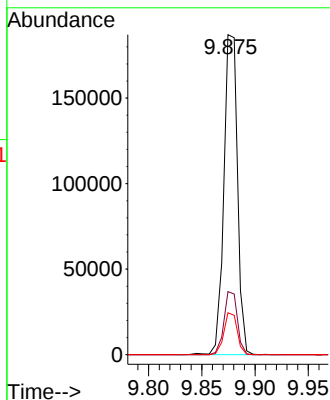
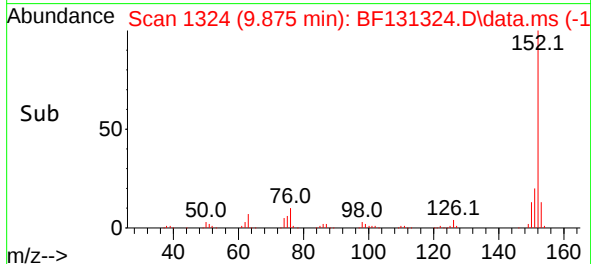
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



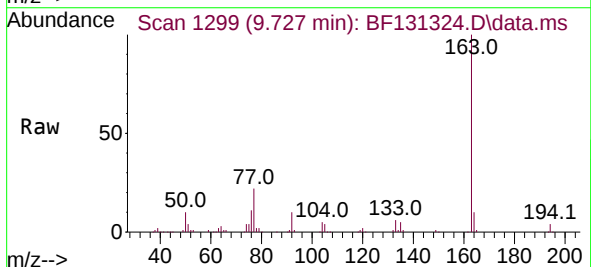
Tgt Ion:152 Resp: 16717
Ion Ratio Lower Upper
152 100
151 19.7 16.2 24.4
153 13.1 10.6 15.8

Manual Integrations
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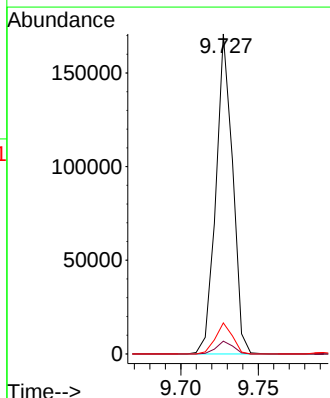
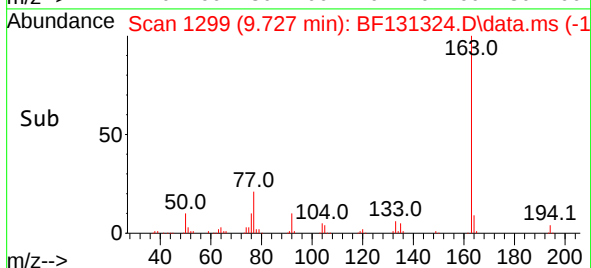
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

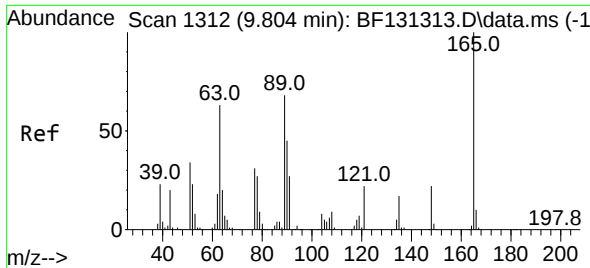


#50
Dimethylphthalate
Concen: 8.755 ng
RT: 9.727 min Scan# 1299
Delta R.T. -0.018 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27



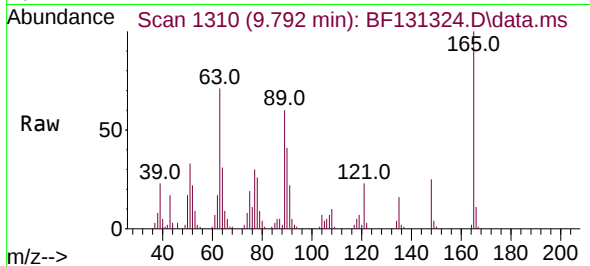
Tgt Ion:163 Resp: 128803
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 9.7 8.5 12.7





#51
2,6-Dinitrotoluene
Concen: 8.271 ng
RT: 9.792 min Scan# 1312
Delta R.T. -0.012 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

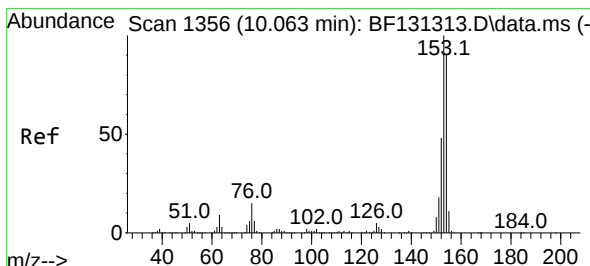
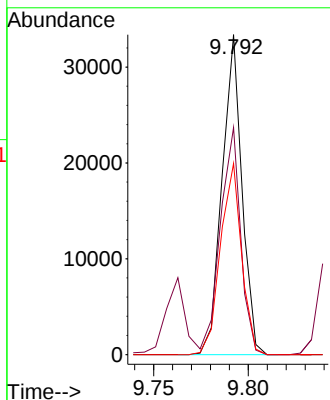
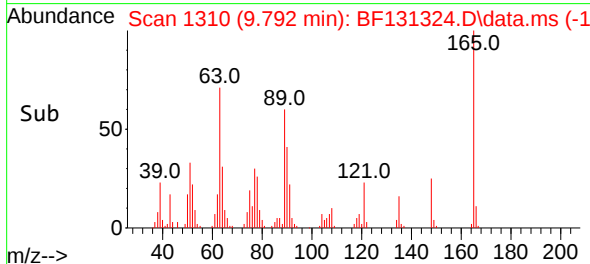
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:165 Resp: 24335
Ion Ratio Lower Upper
165 100
63 71.0 62.0 93.0
89 59.7 54.4 81.6

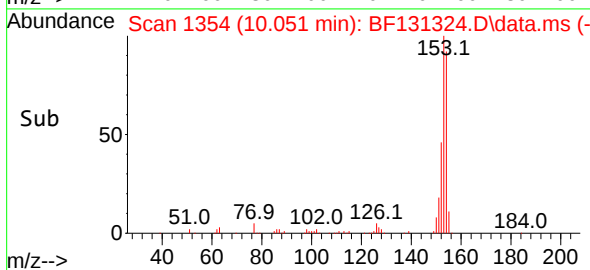
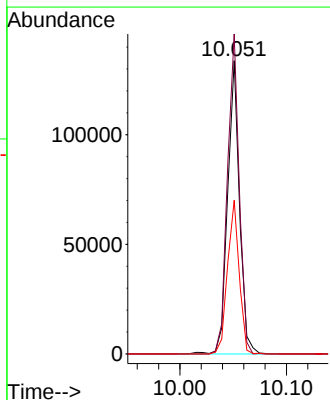
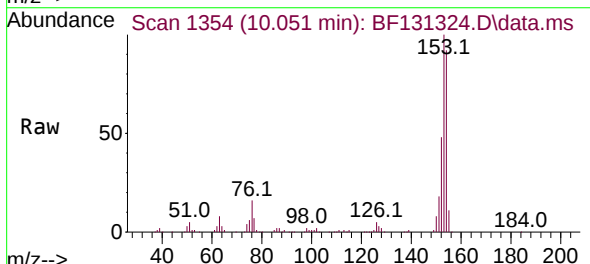
Manual Integrations
APPROVED

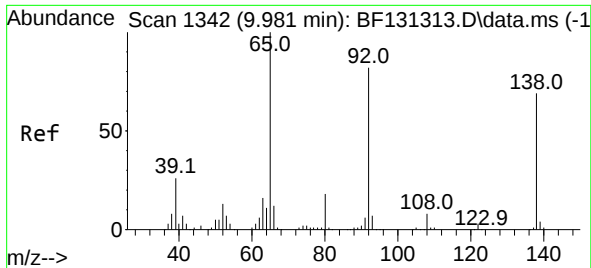
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#52
Acenaphthene
Concen: 8.359 ng
RT: 10.051 min Scan# 1354
Delta R.T. -0.012 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

Tgt Ion:154 Resp: 103140
Ion Ratio Lower Upper
154 100
153 109.1 88.4 132.6
152 52.4 42.8 64.2





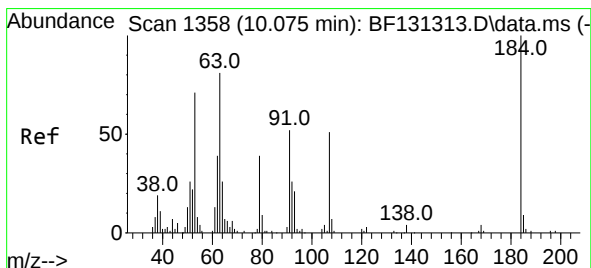
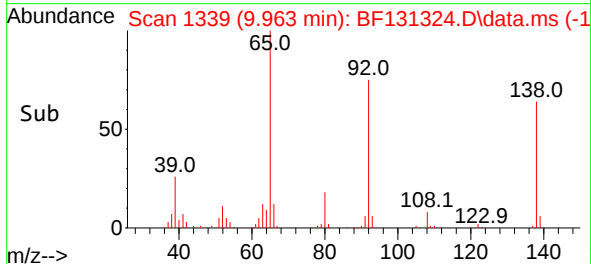
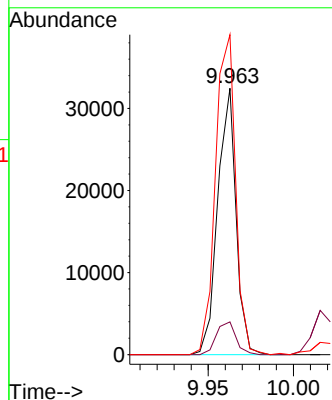
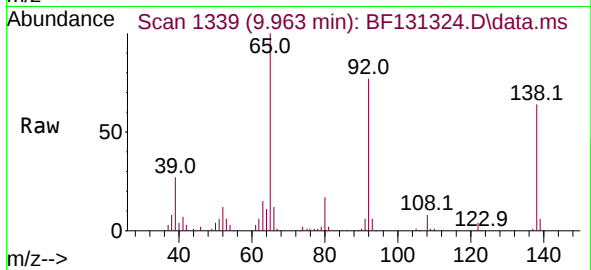
#53
3-Nitroaniline
Concen: 8.025 ng
RT: 9.963 min Scan# 1339
Delta R.T. -0.018 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

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

Tgt Ion:138 Resp: 2426
Ion Ratio Lower Upper
138 100
108 12.3 8.9 13.3
92 120.1 95.3 142.9

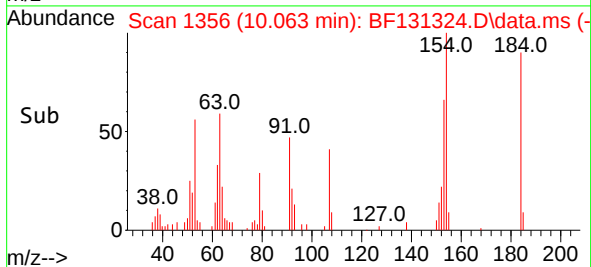
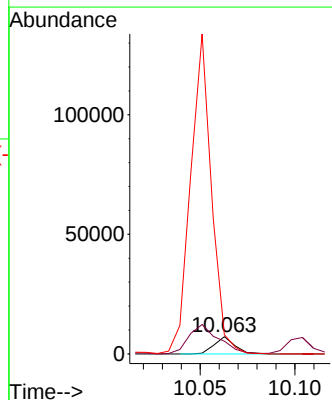
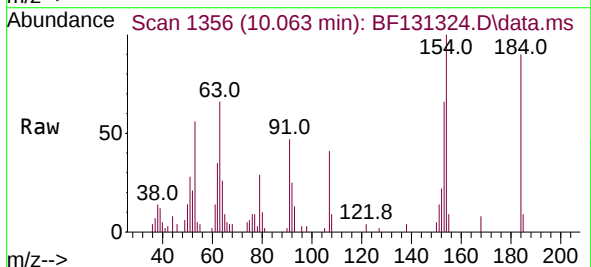
Manual Integrations
APPROVED

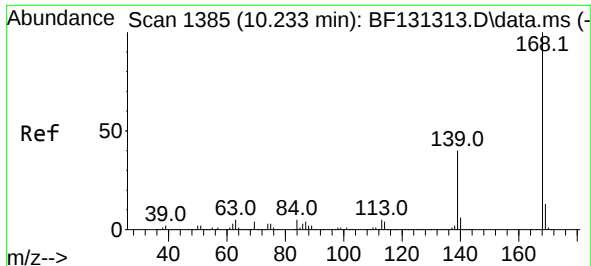
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#54
2,4-Dinitrophenol
Concen: 5.407 ng
RT: 10.063 min Scan# 1356
Delta R.T. -0.012 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

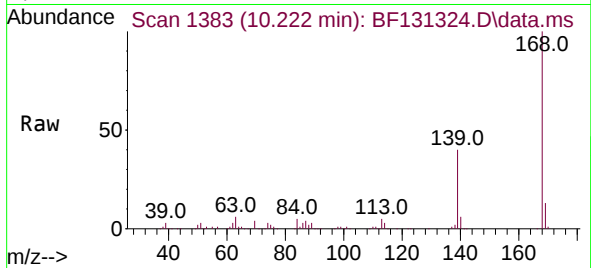
Tgt Ion:184 Resp: 5345
Ion Ratio Lower Upper
184 100
63 73.7 72.1 108.1
154 110.9 56.3 84.5#





#55
Dibenzofuran
Concen: 8.623 ng
RT: 10.222 min Scan# 1383
Delta R.T. -0.012 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

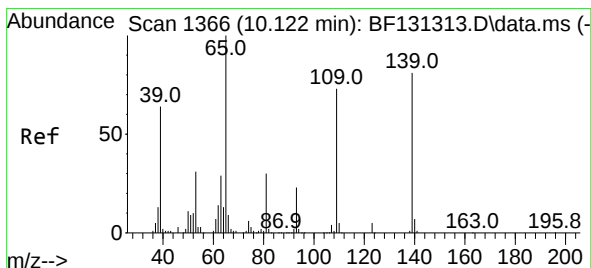
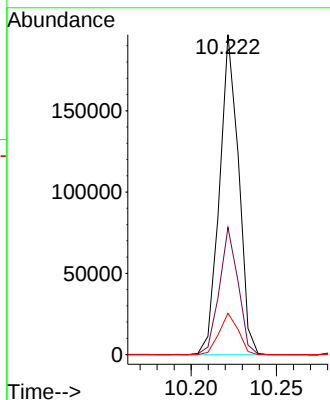
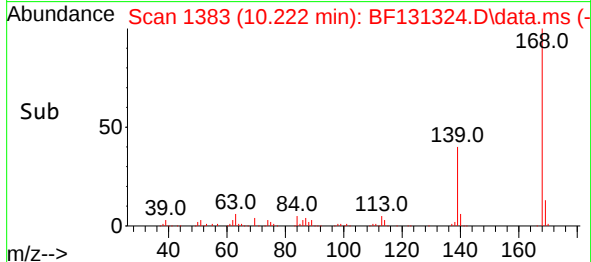
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:168 Resp: 153062
Ion Ratio Lower Upper
168 100
139 39.8 31.7 47.5
169 13.0 10.6 15.8

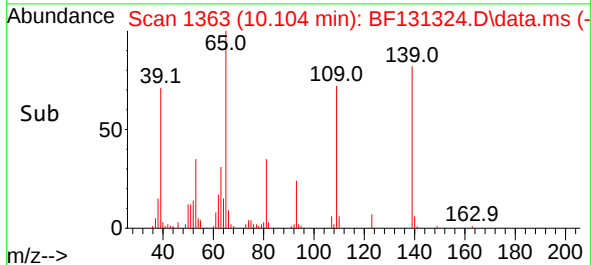
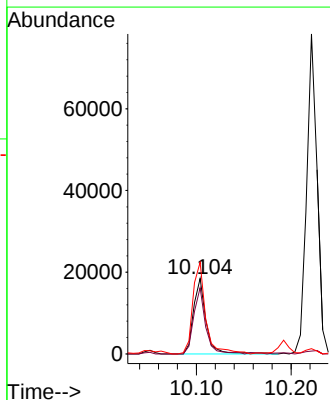
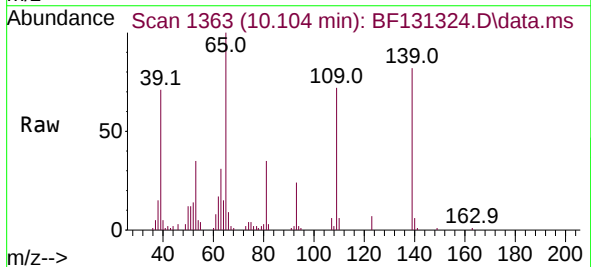
Manual Integrations
APPROVED

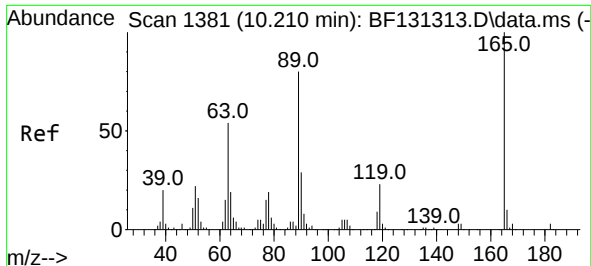
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#56
4-Nitrophenol
Concen: 7.984 ng
RT: 10.104 min Scan# 1363
Delta R.T. -0.018 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

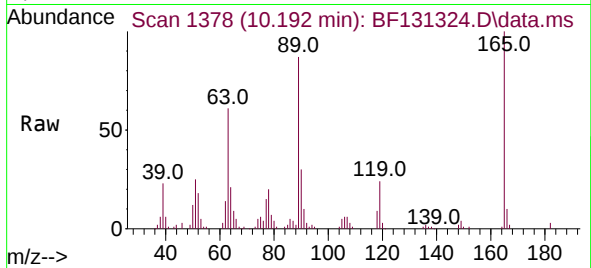
Tgt Ion:139 Resp: 16751
Ion Ratio Lower Upper
139 100
109 87.7 69.6 109.6
65 121.5 103.4 143.4





#57
2,4-Dinitrotoluene
Concen: 8.024 ng
RT: 10.192 min Scan# 1381
Delta R.T. -0.018 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

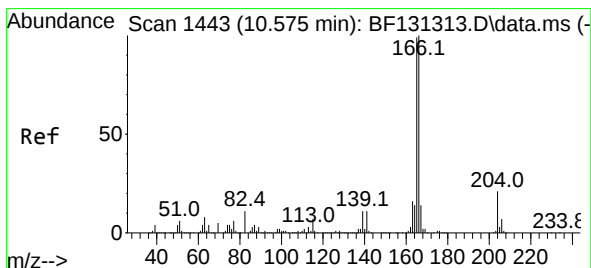
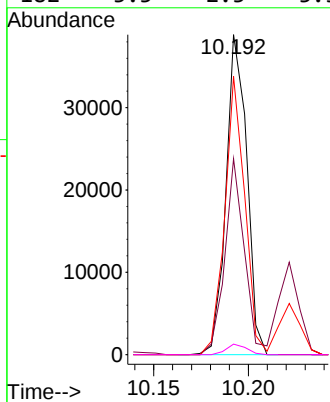
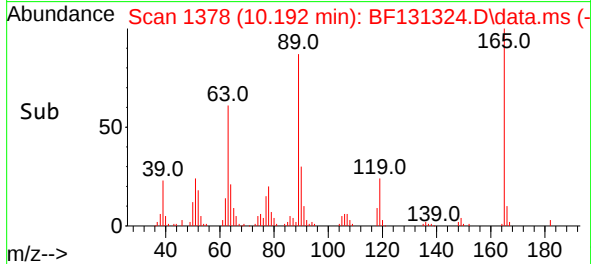
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:165 Resp: 29703
Ion Ratio Lower Upper
165 100
63 61.2 43.4 65.2
89 87.0 64.0 96.0
182 3.3 2.3 3.5

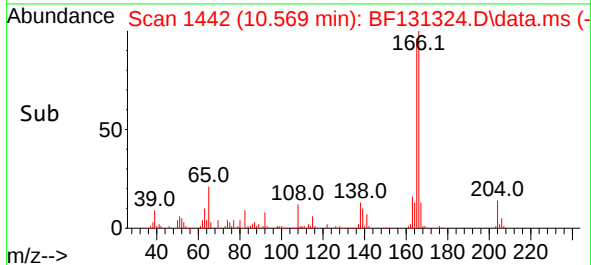
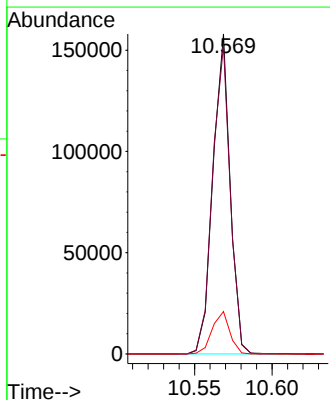
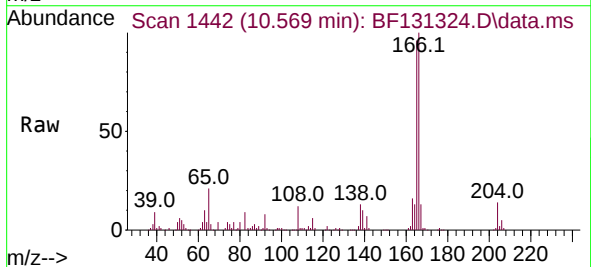
Manual Integrations
APPROVED

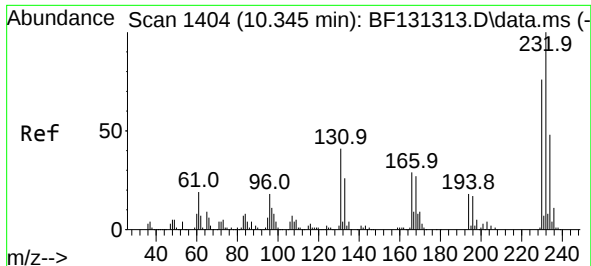
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#58
Fluorene
Concen: 8.781 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

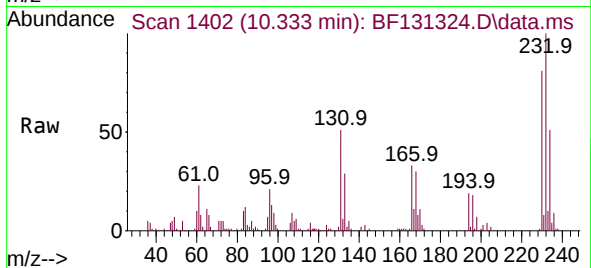
Tgt Ion:166 Resp: 121654
Ion Ratio Lower Upper
166 100
165 96.4 79.0 118.4
167 13.2 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 7.915 ng
RT: 10.333 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

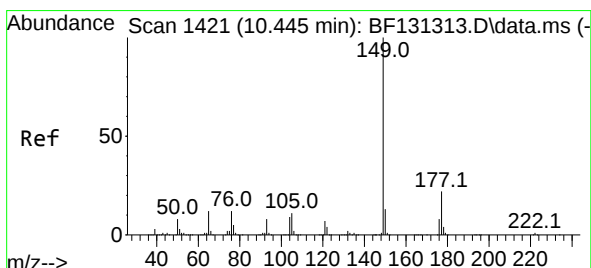
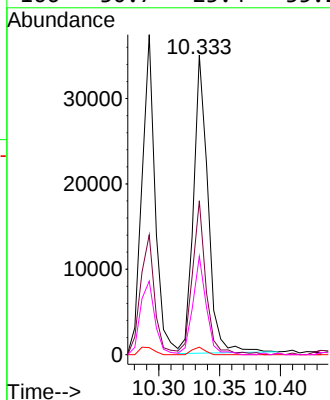
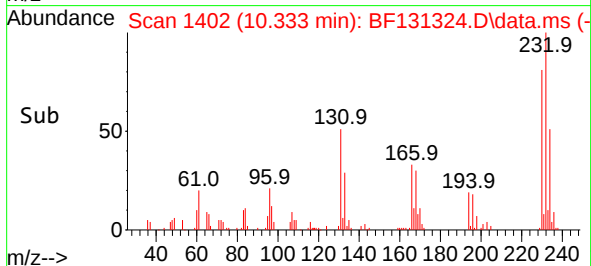
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



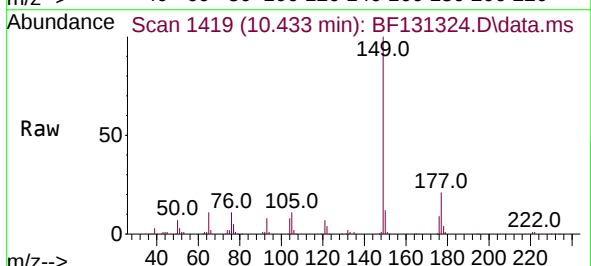
Tgt Ion:232 Resp: 28813
Ion Ratio Lower Upper
232 100
131 48.2 35.2 52.8
130 2.2 1.8 2.8
166 30.7 23.4 35.2

Manual Integrations
APPROVED

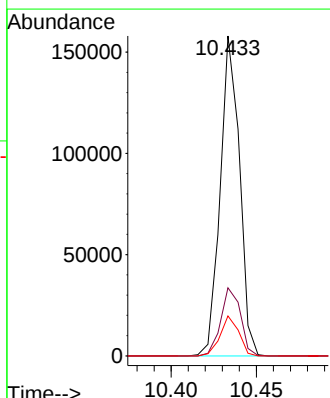
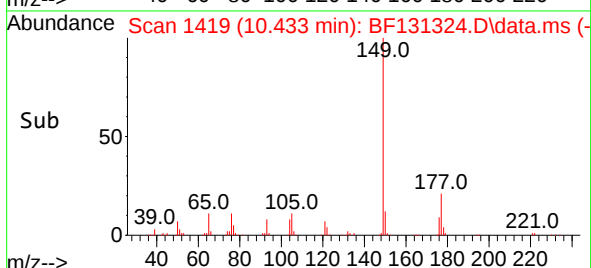
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

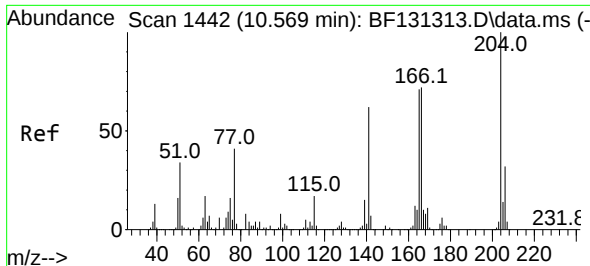


#60
Diethylphthalate
Concen: 8.936 ng
RT: 10.433 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27



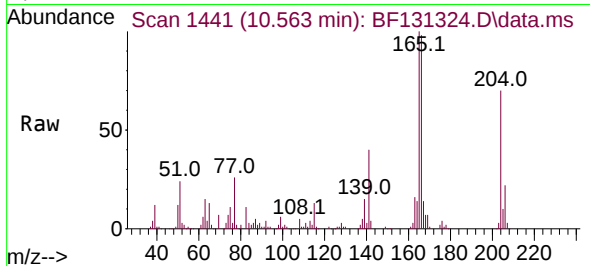
Tgt Ion:149 Resp: 124129
Ion Ratio Lower Upper
149 100
177 21.3 17.6 26.4
150 12.5 10.2 15.4





#61
4-Chlorophenyl-phenylether
Concen: 9.012 ng
RT: 10.563 min Scan# 1442
Delta R.T. -0.006 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

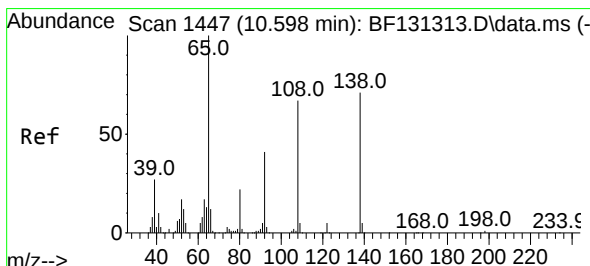
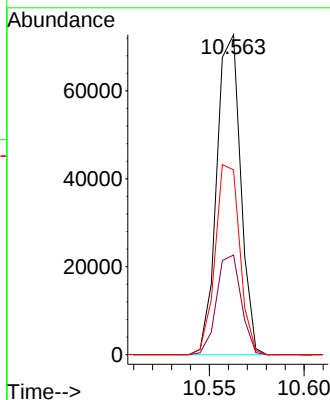
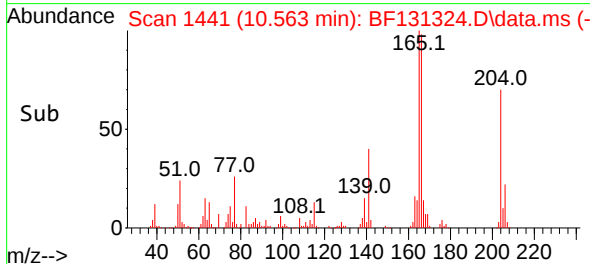
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:204 Resp: 64002
Ion Ratio Lower Upper
204 100
206 31.1 25.7 38.5
141 57.7 49.2 73.8

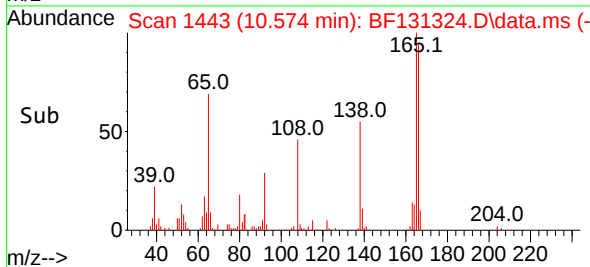
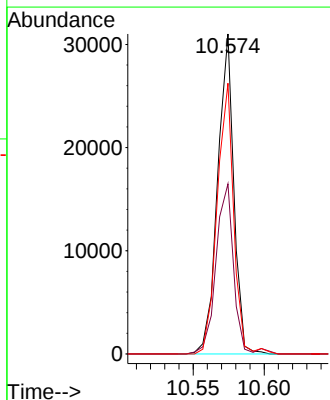
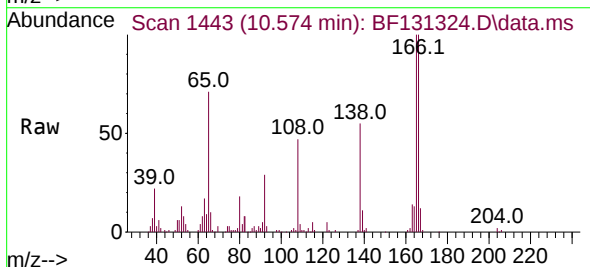
Manual Integrations
APPROVED

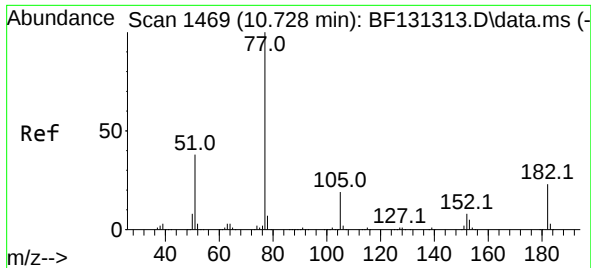
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#62
4-Nitroaniline
Concen: 8.194 ng
RT: 10.574 min Scan# 1443
Delta R.T. -0.024 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

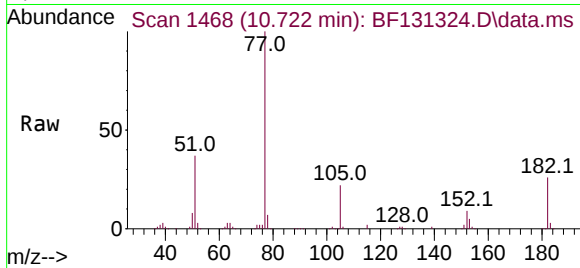
Tgt Ion:138 Resp: 24655
Ion Ratio Lower Upper
138 100
92 53.1 37.0 77.0
108 84.6 74.0 114.0





#63
Azobenzene
Concen: 8.409 ng
RT: 10.722 min Scan# 1469
Delta R.T. -0.006 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

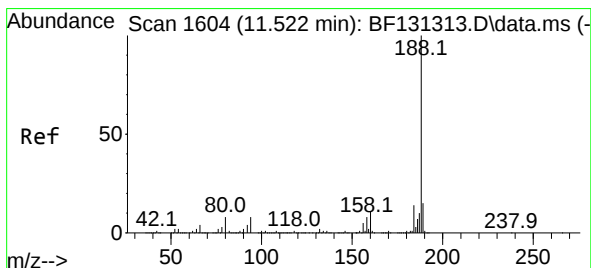
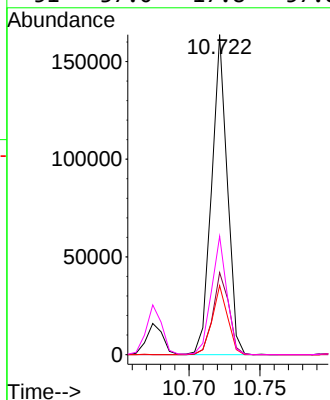
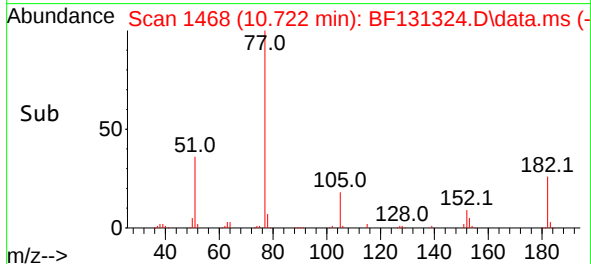
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



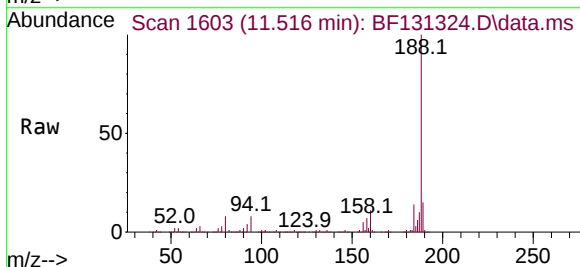
Tgt Ion: 77 Resp: 125603
Ion Ratio Lower Upper
77 100
182 25.6 3.1 43.1
105 21.6 0.0 39.2
51 37.0 17.8 57.8

Manual Integrations
APPROVED

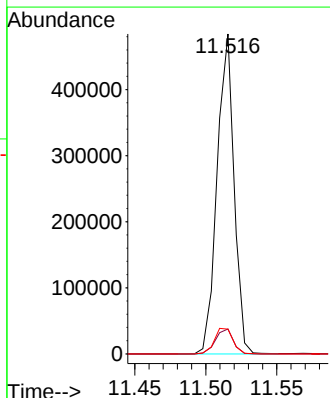
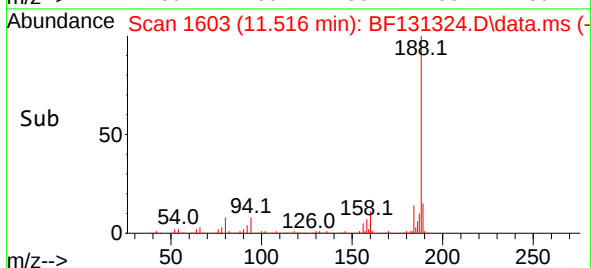
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

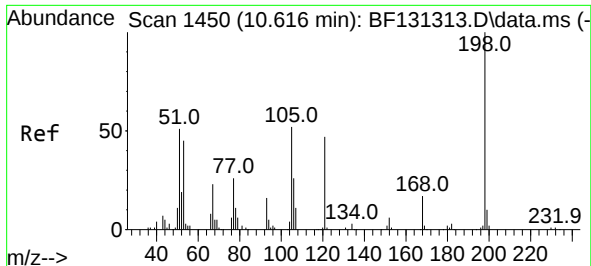


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.516 min Scan# 1603
Delta R.T. -0.006 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27



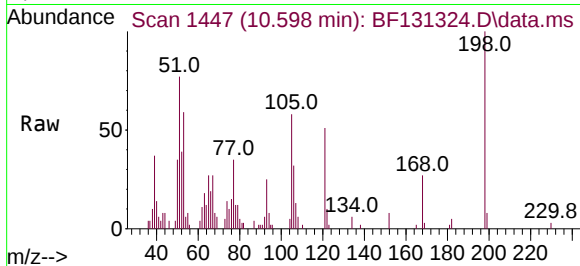
Tgt Ion:188 Resp: 403773
Ion Ratio Lower Upper
188 100
94 7.8 6.3 9.5
80 7.7 6.8 10.2





#65
4,6-Dinitro-2-methylphenol
Concen: 4.727 ng
RT: 10.598 min Scan# 1447
Delta R.T. -0.018 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

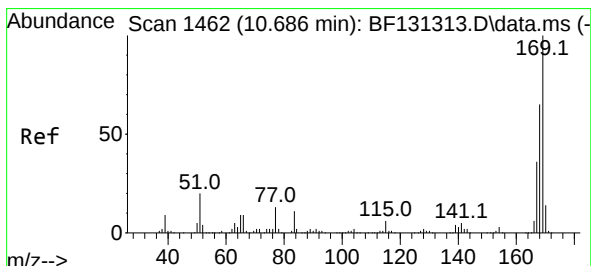
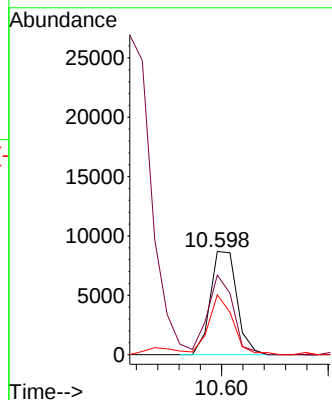
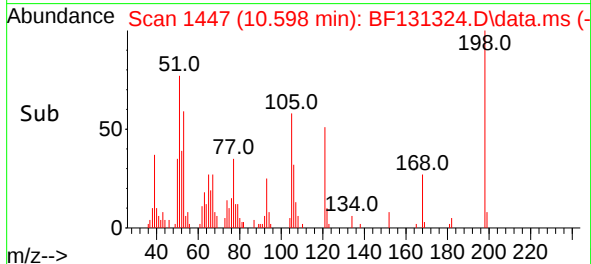
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



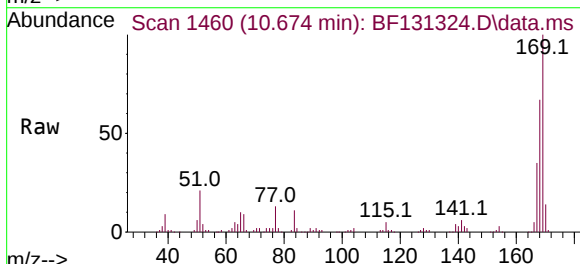
Tgt Ion:198 Resp: 7511
Ion Ratio Lower Upper
198 100
51 76.9 50.1 90.1
105 58.0 32.5 72.5

Manual Integrations
APPROVED

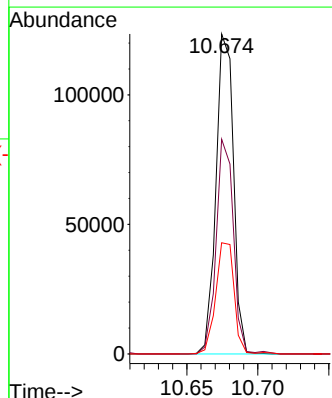
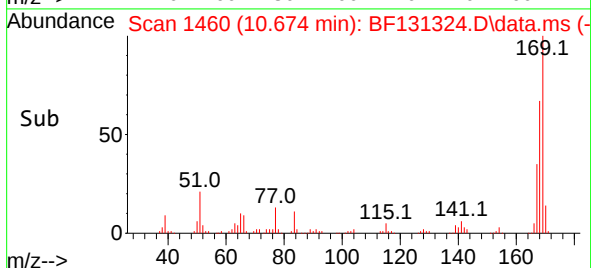
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

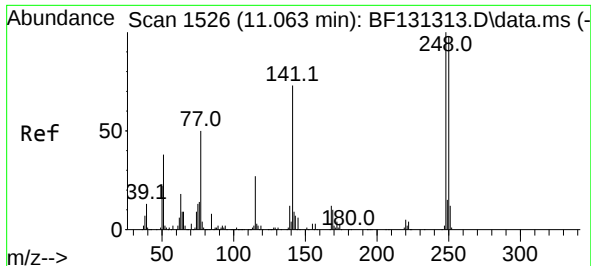


#66
n-Nitrosodiphenylamine
Concen: 8.246 ng
RT: 10.674 min Scan# 1460
Delta R.T. -0.012 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27



Tgt Ion:169 Resp: 106099
Ion Ratio Lower Upper
169 100
168 67.1 52.4 78.6
167 34.7 29.2 43.8





#67

4-Bromophenyl-phenylether

Concen: 8.136 ng

RT: 11.057 min Scan# 1526

Delta R.T. -0.006 min

Lab File: BF131324.D

Acq: 22 Nov 2022 11:27

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022

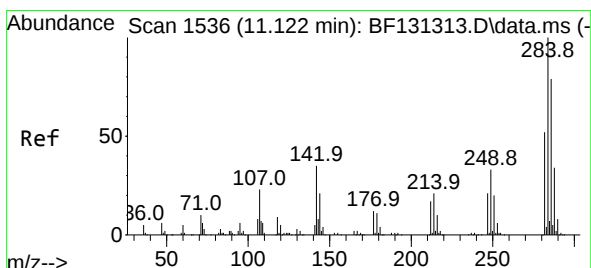
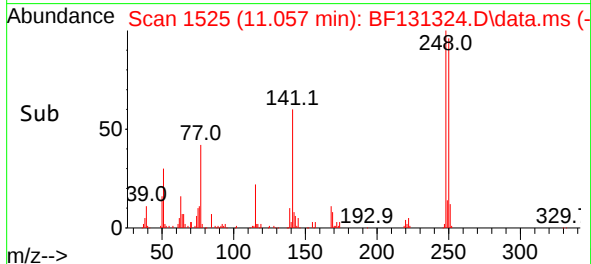
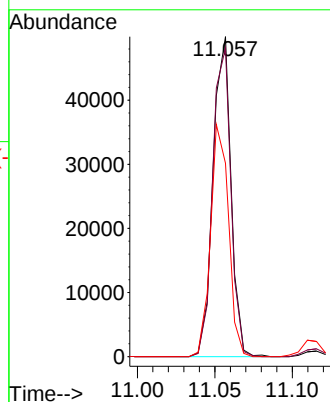
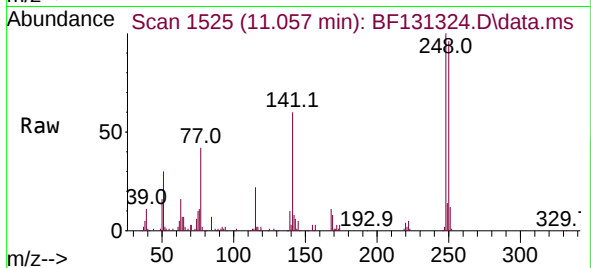
Tgt Ion:	248	Resp:	40262
Ion Ratio	Lower	Upper	
248	100		
250	96.4	78.3	117.5
141	60.4	58.0	87.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#68

Hexachlorobenzene

Concen: 8.125 ng

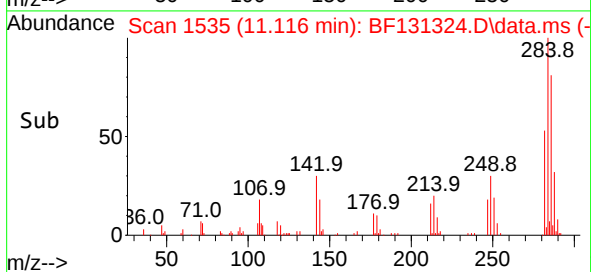
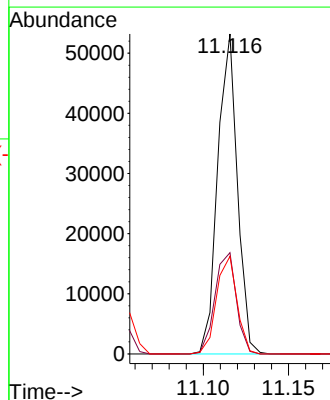
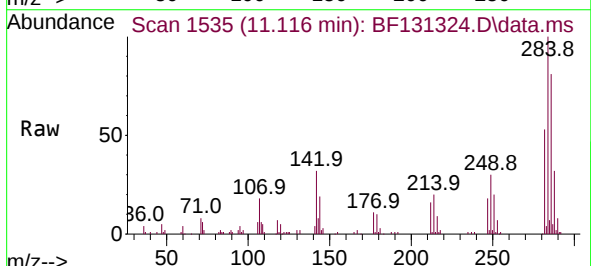
RT: 11.116 min Scan# 1535

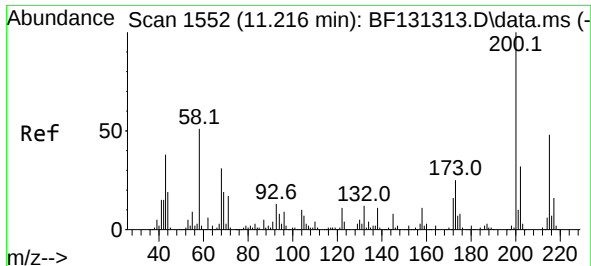
Delta R.T. -0.006 min

Lab File: BF131324.D

Acq: 22 Nov 2022 11:27

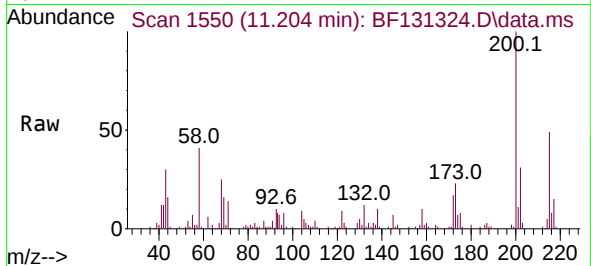
Tgt Ion:	284	Resp:	42674
Ion Ratio	Lower	Upper	
284	100		
142	31.6	28.4	42.6
249	30.5	26.5	39.7





#69
Atrazine
Concen: 9.817 ng
RT: 11.204 min Scan# 1550
Delta R.T. -0.012 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

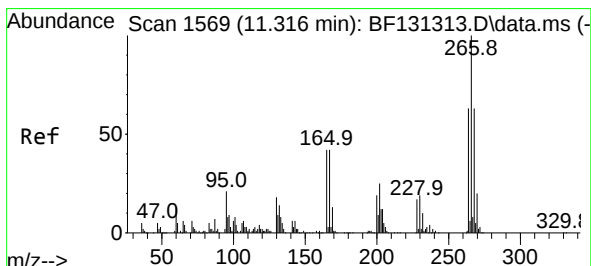
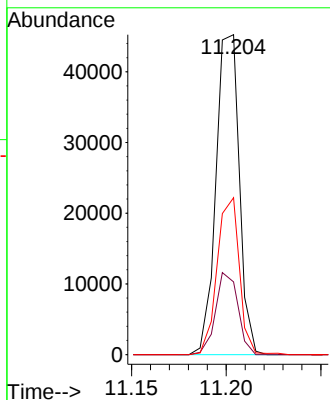
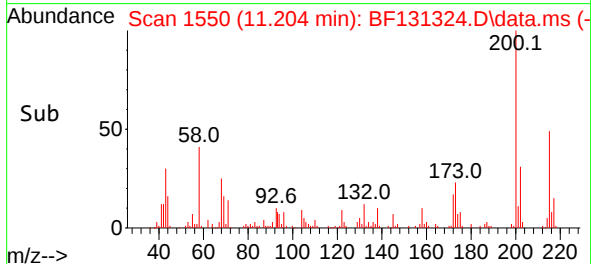
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



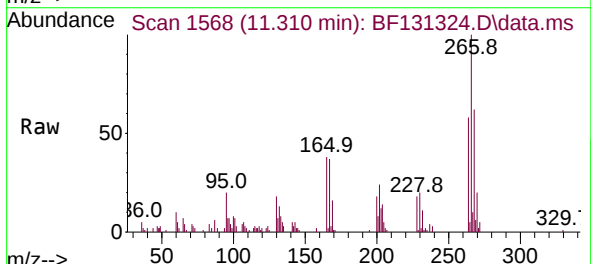
Tgt Ion:200 Resp: 3888
Ion Ratio Lower Upper
200 100
173 22.7 5.2 45.2
215 49.0 28.3 68.3

Manual Integrations
APPROVED

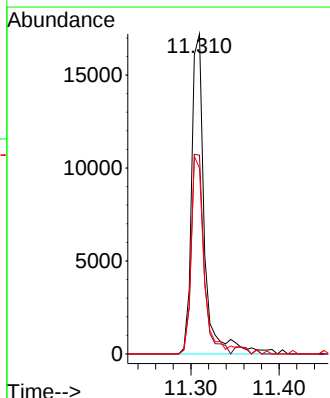
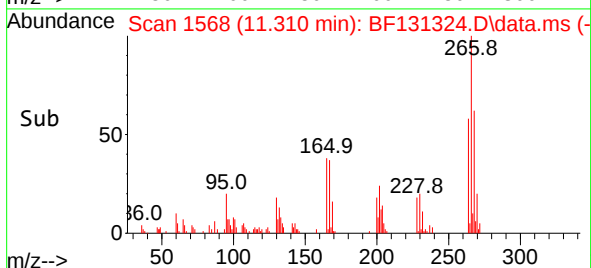
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

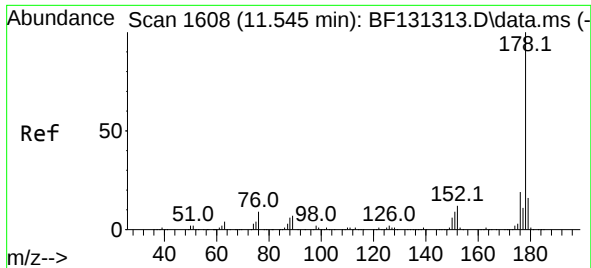


#70
Pentachlorophenol
Concen: 6.472 ng m
RT: 11.310 min Scan# 1568
Delta R.T. -0.006 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27



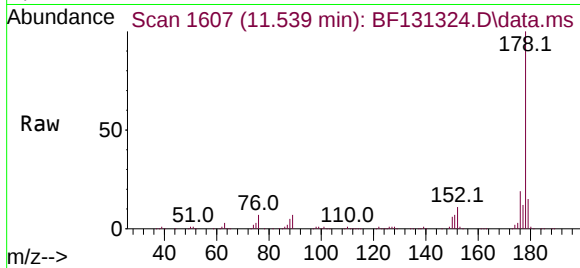
Tgt Ion:266 Resp: 17439
Ion Ratio Lower Upper
266 100
268 62.1 50.6 75.8
264 58.0 50.4 75.6





#71
Phenanthrene
Concen: 8.320 ng
RT: 11.539 min Scan# 1607
Delta R.T. -0.006 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

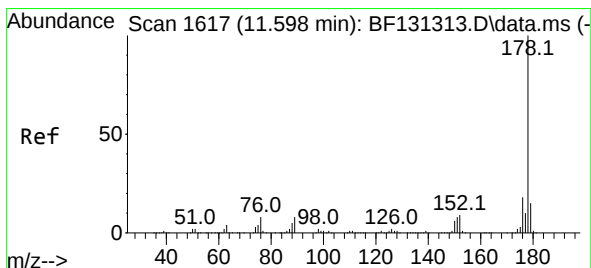
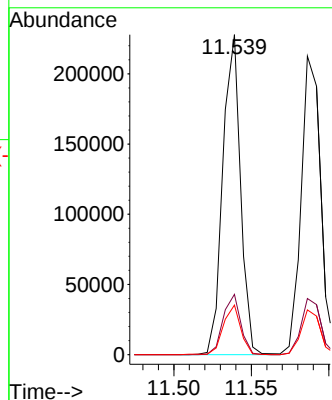
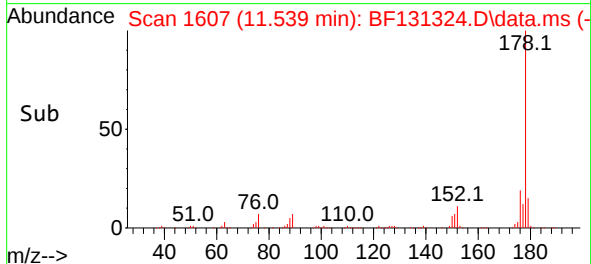
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



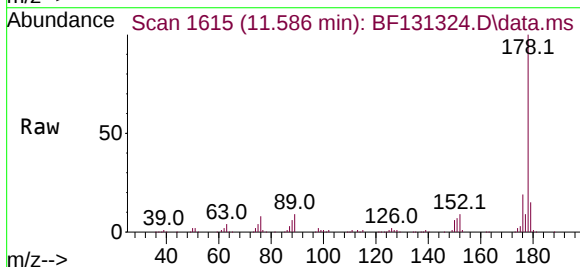
Tgt Ion:178 Resp: 181555
Ion Ratio Lower Upper
178 100
176 18.8 15.6 23.4
179 15.5 12.4 18.6

Manual Integrations
APPROVED

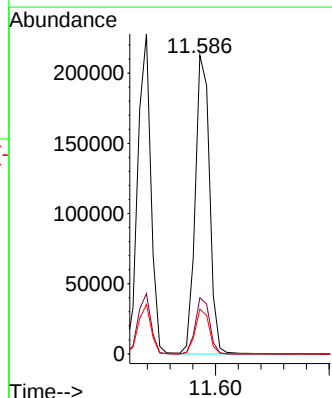
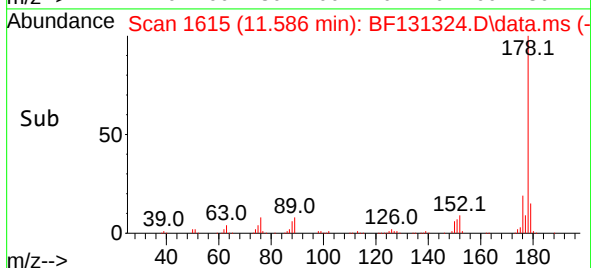
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

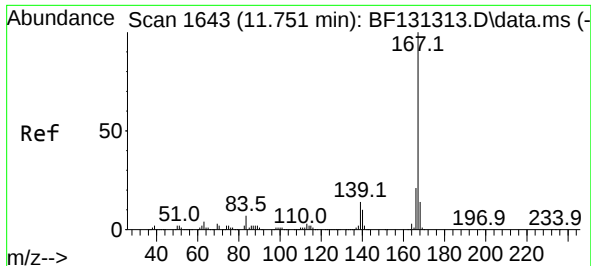


#72
Anthracene
Concen: 8.659 ng
RT: 11.586 min Scan# 1615
Delta R.T. -0.012 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27



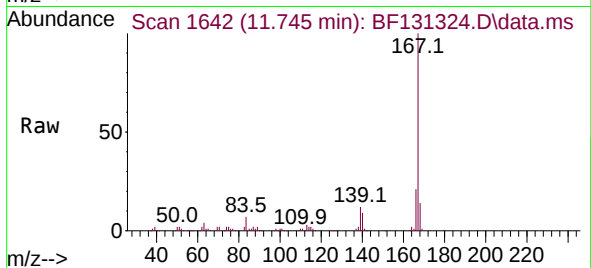
Tgt Ion:178 Resp: 185685
Ion Ratio Lower Upper
178 100
176 18.8 14.7 22.1
179 15.0 12.2 18.4





#73
 Carbazole
 Concen: 8.605 ng
 RT: 11.745 min Scan# 1642
 Delta R.T. -0.006 min
 Lab File: BF131324.D
 Acq: 22 Nov 2022 11:27

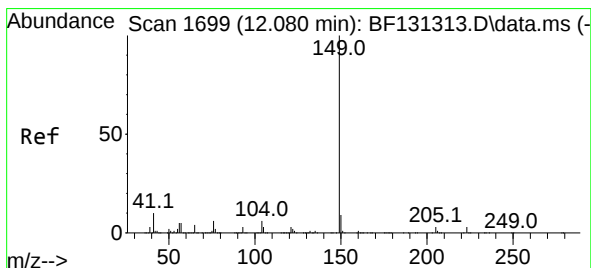
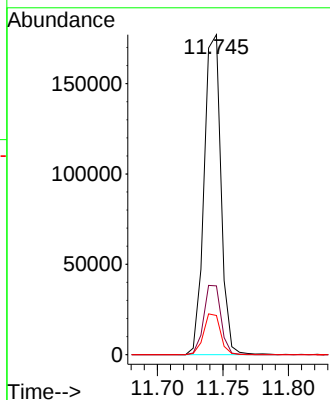
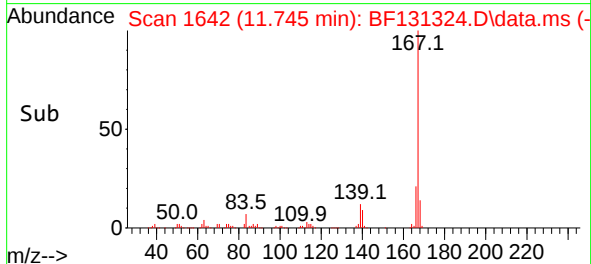
Instrument : BNA_F
 ClientSampleId : MDL-SOIL-03-QT4-2022



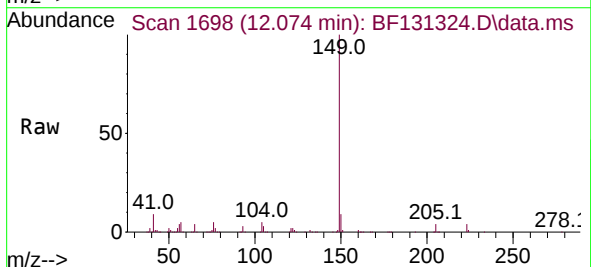
Tgt Ion:167 Resp: 157420
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.0 25.6
 139 12.2 10.8 16.2

Manual Integrations
 APPROVED

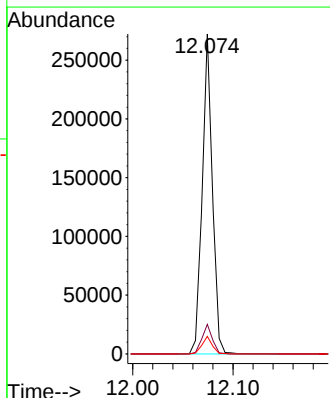
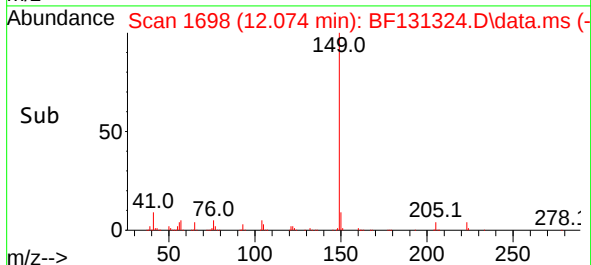
Reviewed By :Christian Giraldo 11/23/2022
 Supervised By :Jagrut Upadhyay 11/23/2022

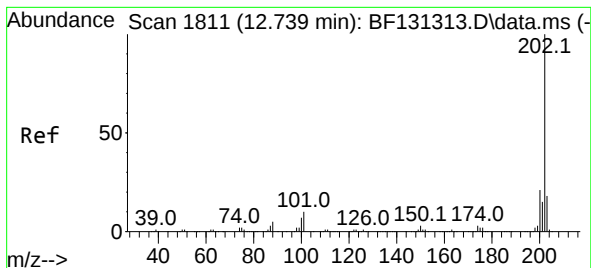


#74
 Di-n-butylphthalate
 Concen: 8.842 ng
 RT: 12.074 min Scan# 1698
 Delta R.T. -0.006 min
 Lab File: BF131324.D
 Acq: 22 Nov 2022 11:27



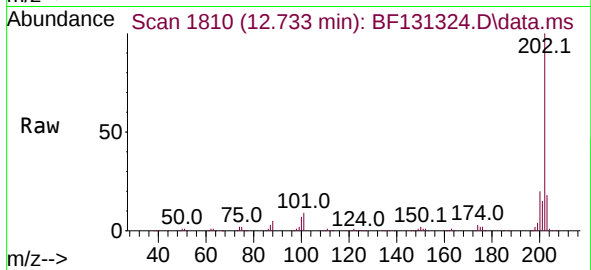
Tgt Ion:149 Resp: 190590
 Ion Ratio Lower Upper
 149 100
 150 9.2 7.3 10.9
 104 5.5 4.7 7.1





#75
Fluoranthene
Concen: 8.455 ng
RT: 12.733 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

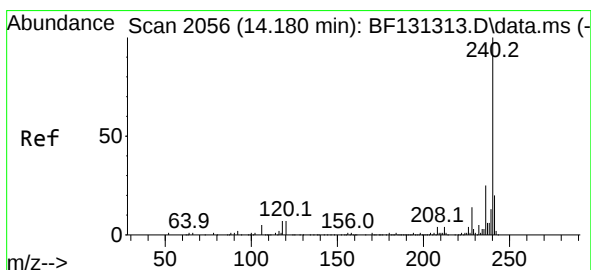
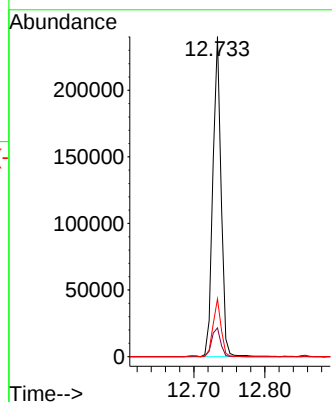
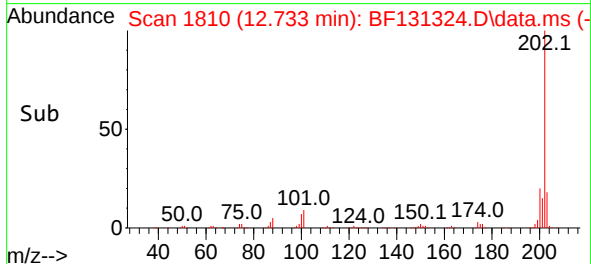
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



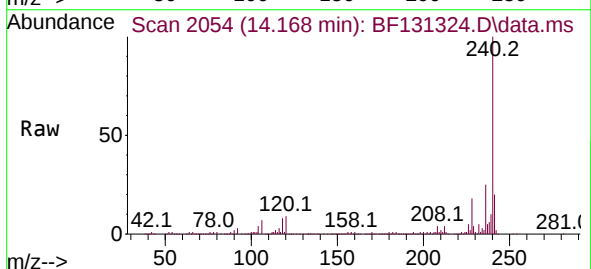
Tgt Ion:202 Resp: 194420
Ion Ratio Lower Upper
202 100
101 9.0 0.0 29.6
203 18.0 0.0 37.8

Manual Integrations
APPROVED

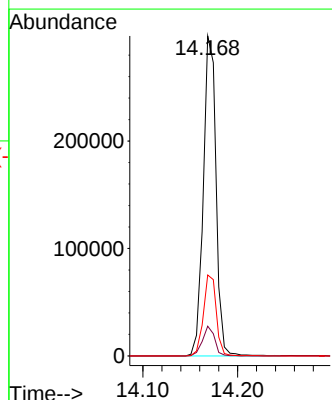
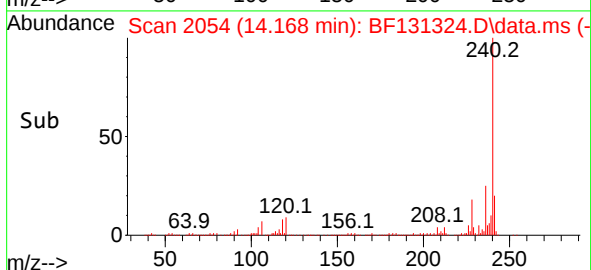
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

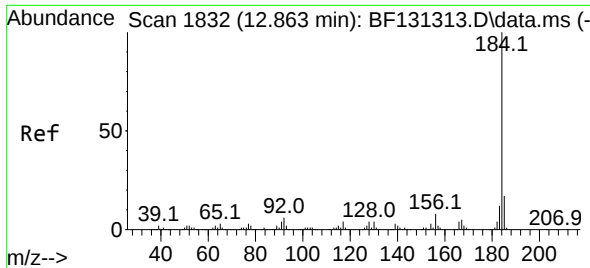


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.168 min Scan# 2054
Delta R.T. -0.012 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27



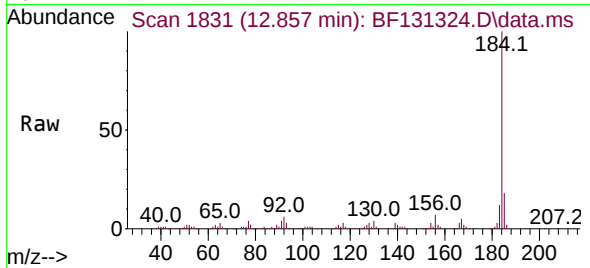
Tgt Ion:240 Resp: 278280
Ion Ratio Lower Upper
240 100
120 9.3 5.8 8.8#
236 25.3 20.3 30.5





#77
Benzidine
Concen: 16.026 ng
RT: 12.857 min Scan# 1831
Delta R.T. -0.006 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

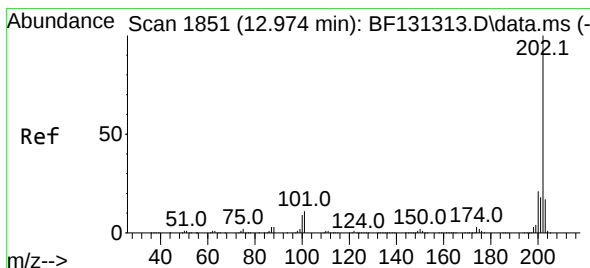
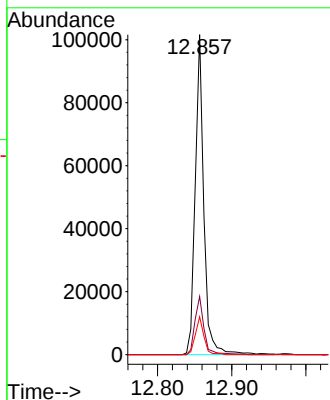
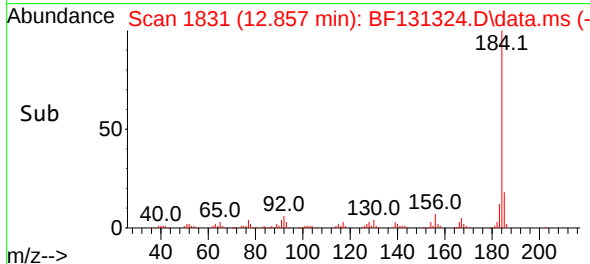
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



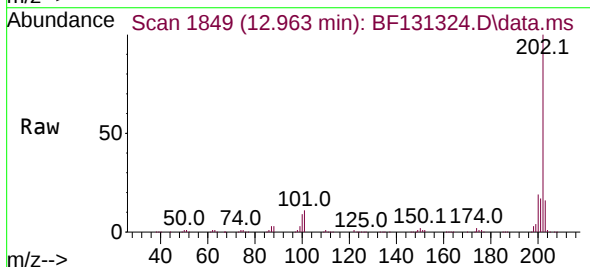
Tgt Ion:184 Resp: 82374
Ion Ratio Lower Upper
184 100
185 18.2 13.8 20.8
183 11.8 9.6 14.4

Manual Integrations
APPROVED

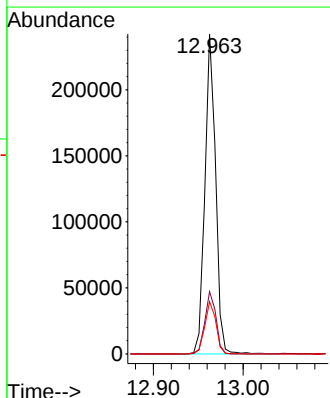
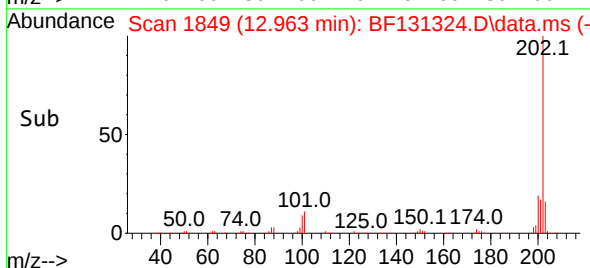
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

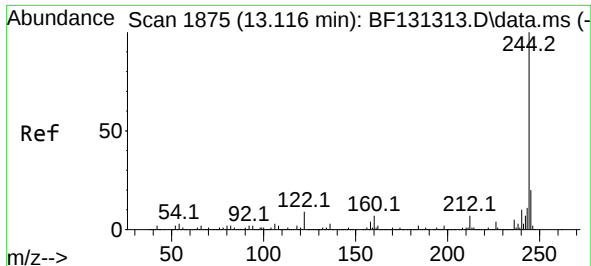


#78
Pyrene
Concen: 8.178 ng
RT: 12.963 min Scan# 1849
Delta R.T. -0.012 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27



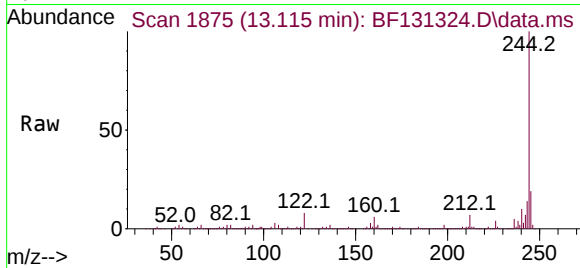
Tgt Ion:202 Resp: 200782
Ion Ratio Lower Upper
202 100
200 19.5 16.9 25.3
203 16.3 13.9 20.9





#79
Terphenyl-d14
Concen: 71.393 ng
RT: 13.115 min Scan# 1875
Delta R.T. -0.000 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

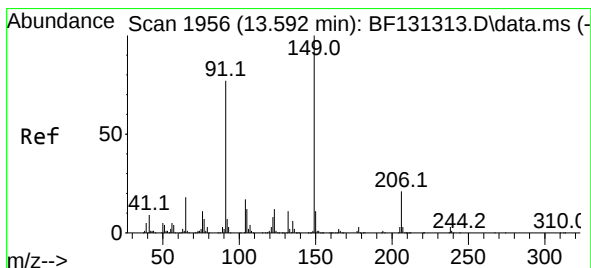
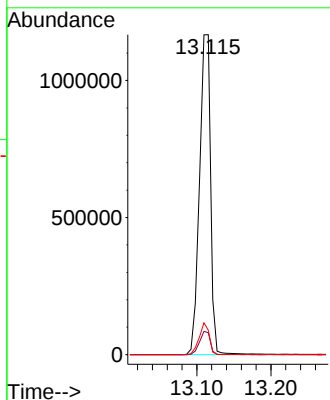
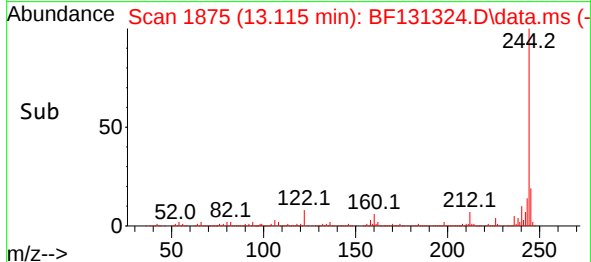
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



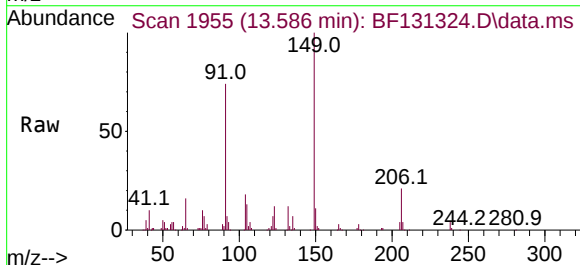
Tgt Ion:244 Resp: 1214923
Ion Ratio Lower Upper
244 100
212 6.8 5.9 8.9
122 7.6 7.5 11.3

Manual Integrations
APPROVED

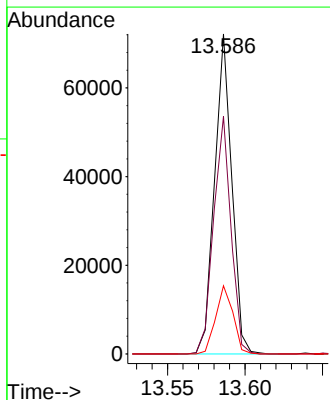
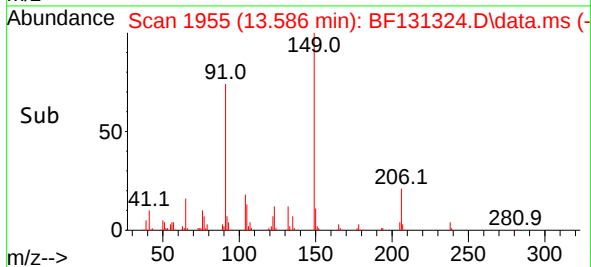
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

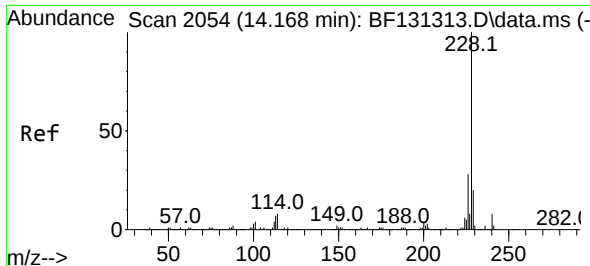


#80
Butylbenzylphthalate
Concen: 7.873 ng
RT: 13.586 min Scan# 1955
Delta R.T. -0.006 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27



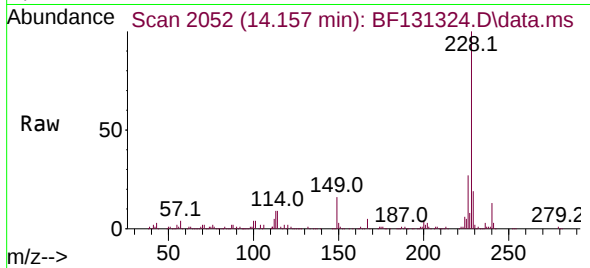
Tgt Ion:149 Resp: 55700
Ion Ratio Lower Upper
149 100
91 74.2 61.9 92.9
206 21.3 16.5 24.7





#81
Benzo(a)anthracene
Concen: 8.002 ng
RT: 14.157 min Scan# 2052
Delta R.T. -0.011 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

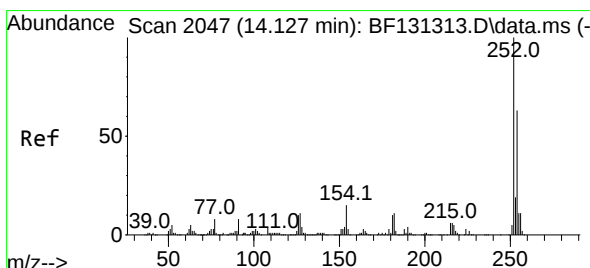
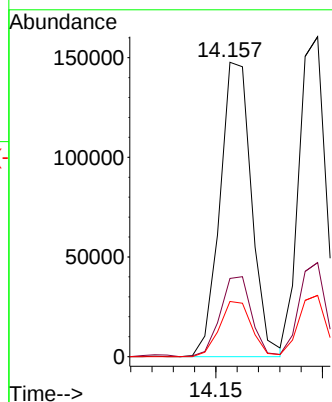
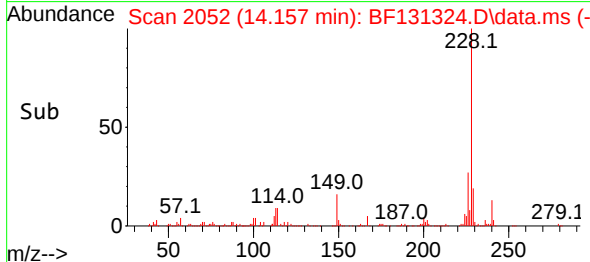
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



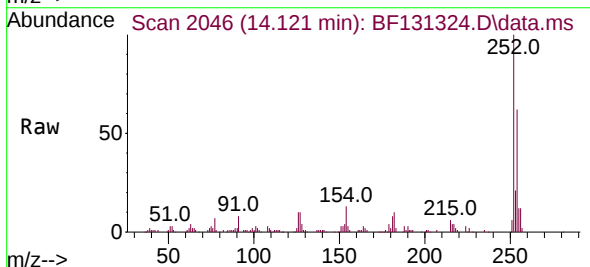
Tgt Ion:228 Resp: 152633
Ion Ratio Lower Upper
228 100
226 26.6 22.0 33.0
229 18.7 15.7 23.5

Manual Integrations
APPROVED

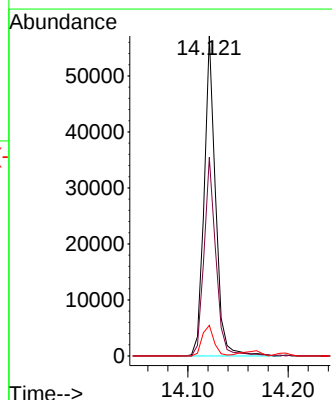
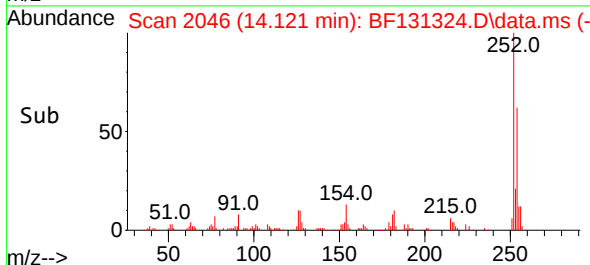
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

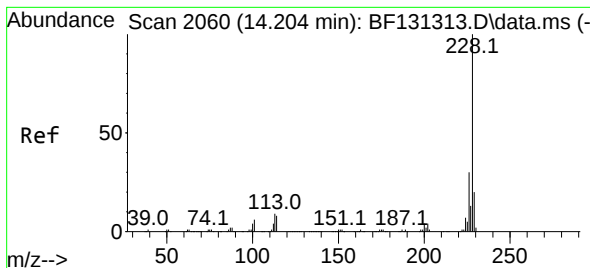


#82
3,3'-Dichlorobenzidine
Concen: 8.896 ng
RT: 14.121 min Scan# 2046
Delta R.T. -0.006 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27



Tgt Ion:252 Resp: 45030
Ion Ratio Lower Upper
252 100
254 62.0 50.8 76.2
126 9.5 8.3 12.5





#83

Chrysene

Concen: 7.687 ng

RT: 14.198 min Scan# 2059

Delta R.T. -0.006 min

Lab File: BF131324.D

Acq: 22 Nov 2022 11:27

Instrument :

BNA_F

ClientSampleId :

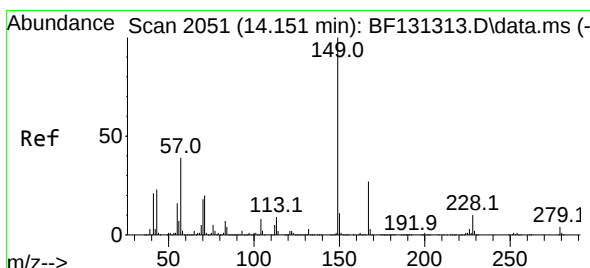
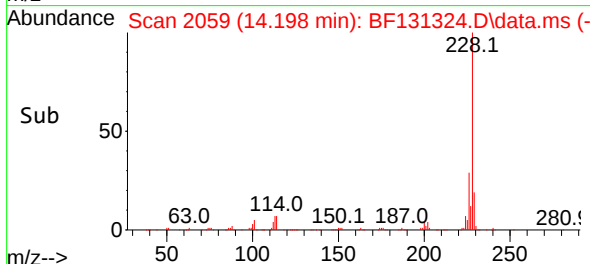
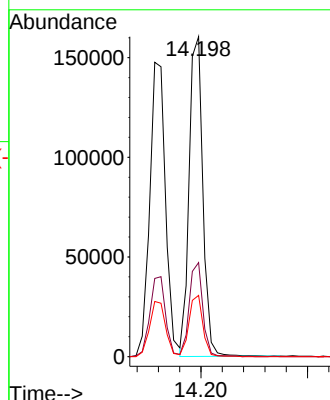
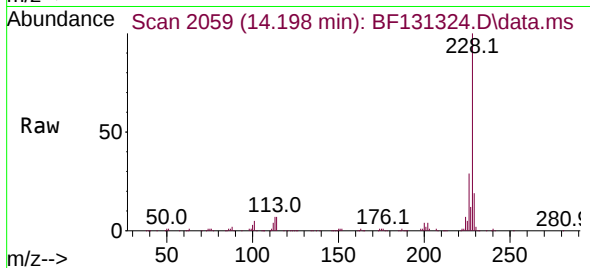
MDL-SOIL-03-QT4-2022

Tgt Ion:228 Resp: 143865
 Ion Ratio Lower Upper
 228 100
 226 29.4 23.7 35.5
 229 19.2 16.2 24.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/23/2022
 Supervised By :Jagrut Upadhyay 11/23/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.762 ng

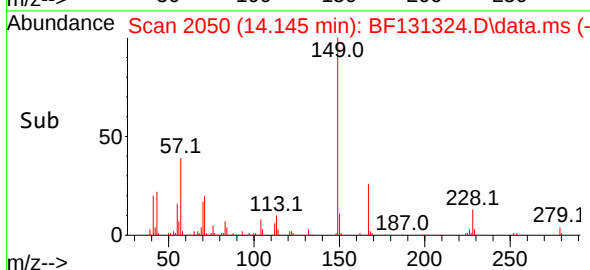
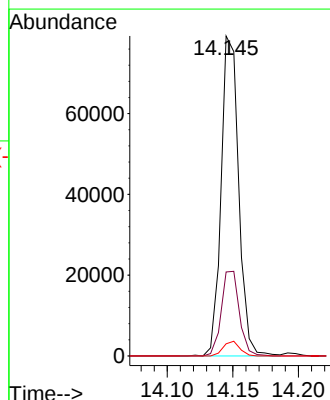
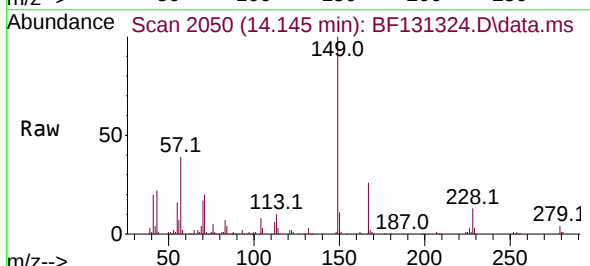
RT: 14.145 min Scan# 2050

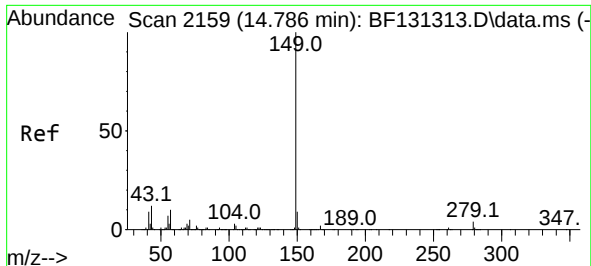
Delta R.T. -0.006 min

Lab File: BF131324.D

Acq: 22 Nov 2022 11:27

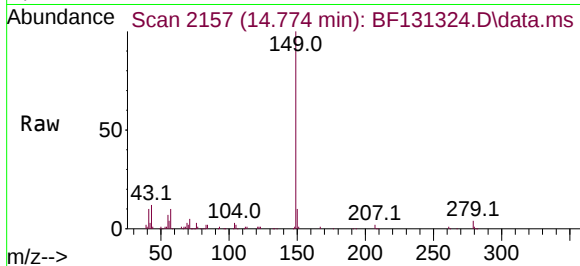
Tgt Ion:149 Resp: 74116
 Ion Ratio Lower Upper
 149 100
 167 26.2 21.9 32.9
 279 3.8 3.0 4.4





#85
Di-n-octyl phthalate
Concen: 6.023 ng
RT: 14.774 min Scan# 2159
Delta R.T. -0.012 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

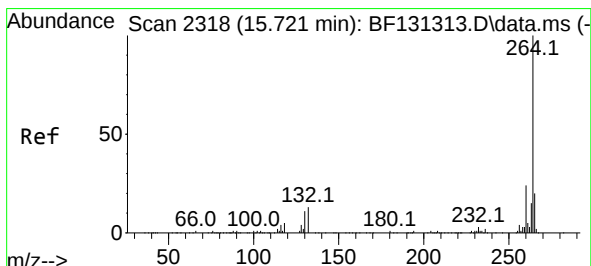
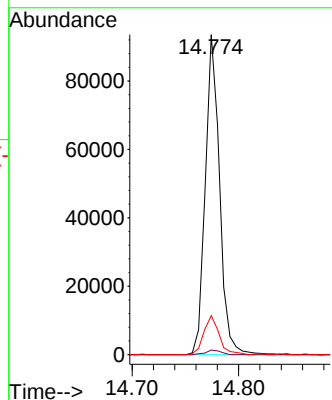
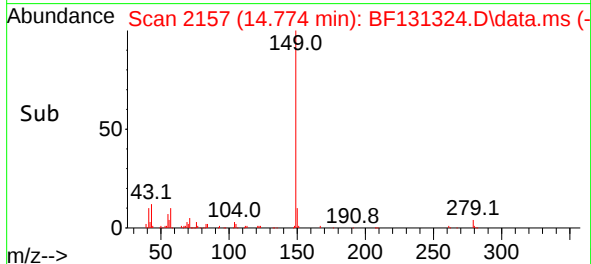
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



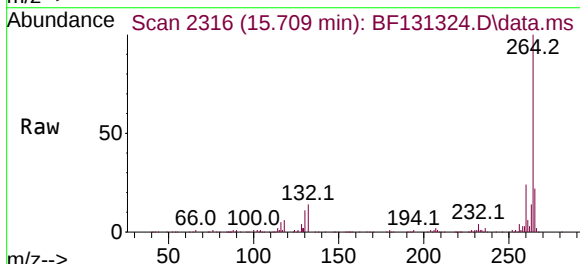
Tgt Ion:149 Resp: 86726
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 13.1 10.7 16.1

Manual Integrations
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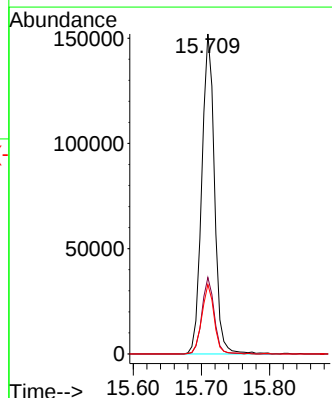
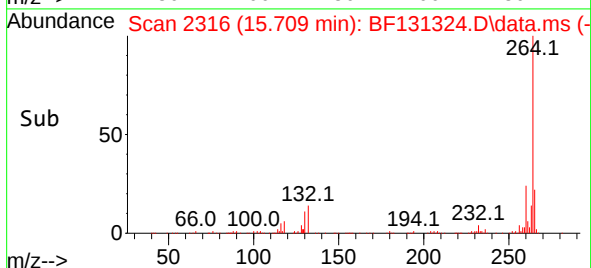
Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022

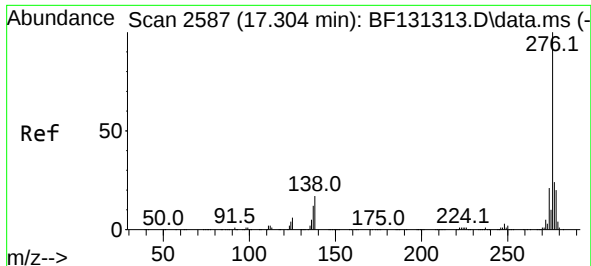


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.709 min Scan# 2316
Delta R.T. -0.012 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27



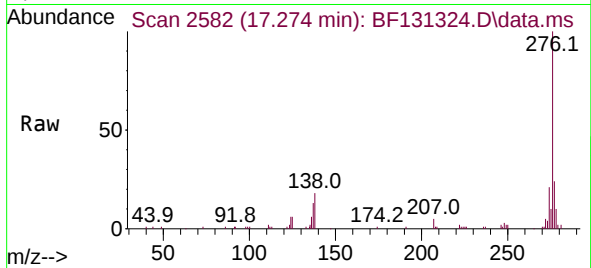
Tgt Ion:264 Resp: 196918
Ion Ratio Lower Upper
264 100
260 23.9 19.0 28.4
265 21.7 16.4 24.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.441 ng
RT: 17.274 min Scan# 21
Delta R.T. -0.030 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

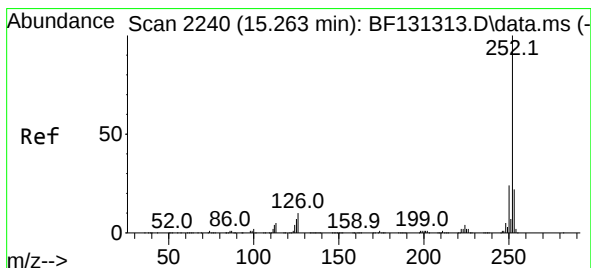
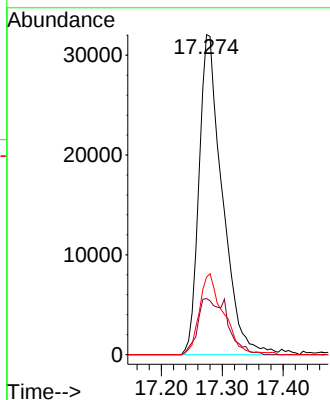
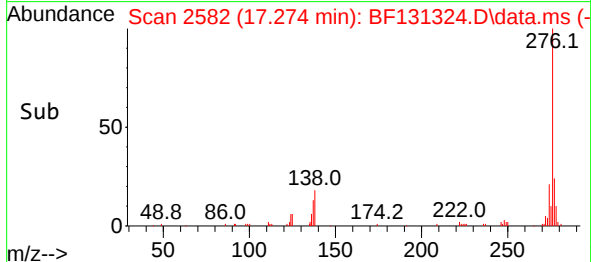
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



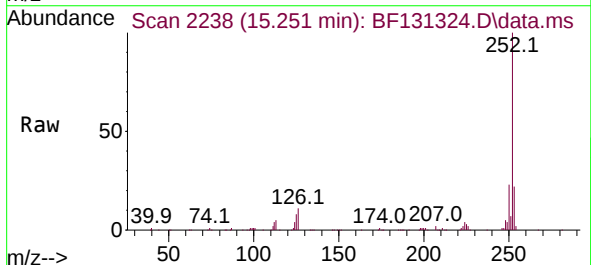
Tgt Ion: 276 Resp: 85184
Ion Ratio Lower Upper
276 100
138 22.5 15.8 23.6
277 25.9 20.3 30.5

Manual Integrations
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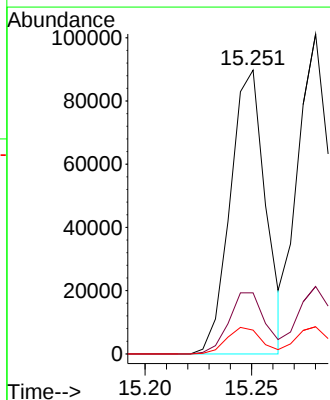
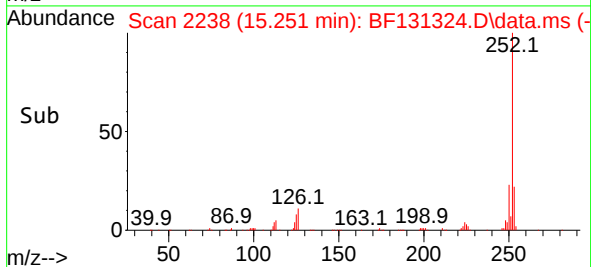
Reviewed By : Christian Giraldo 11/23/2022
Supervised By : Jagrut Upadhyay 11/23/2022

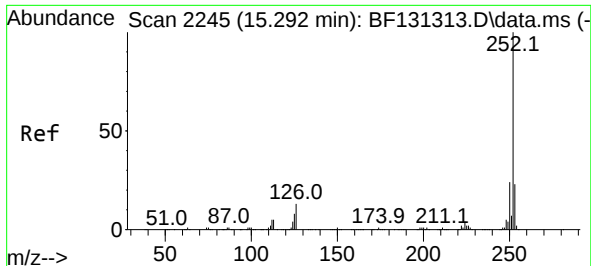


#88
Benzo(b)fluoranthene
Concen: 7.934 ng
RT: 15.251 min Scan# 2238
Delta R.T. -0.012 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27



Tgt Ion: 252 Resp: 103790
Ion Ratio Lower Upper
252 100
253 21.5 17.5 26.3
125 8.4 5.8 8.6





#89

Benzo(k)fluoranthene

Concen: 8.223 ng

RT: 15.280 min Scan# 21

Delta R.T. -0.012 min

Lab File: BF131324.D

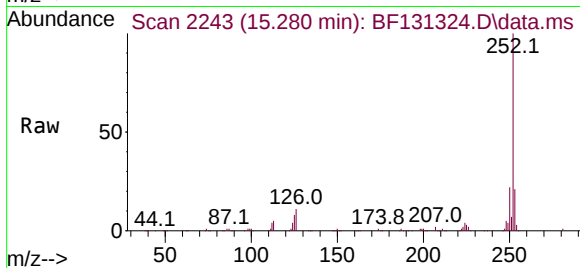
Acq: 22 Nov 2022 11:27

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT4-2022



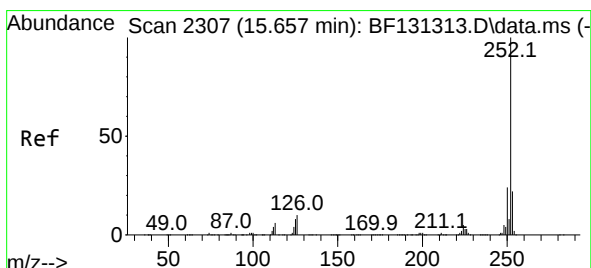
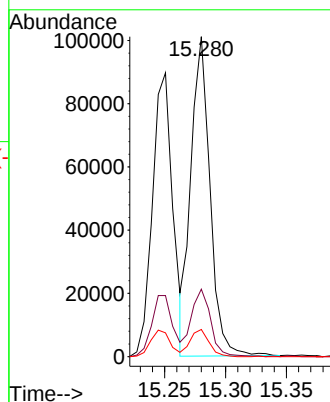
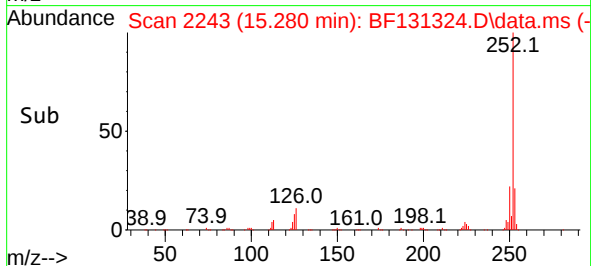
Tgt Ion:	252	Resp:	110545
Ion Ratio	Lower	Upper	
252	100		
253	21.1	17.9	26.9
125	8.5	6.6	10.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/23/2022

Supervised By :Jagrut Upadhyay 11/23/2022



#90

Benzo(a)pyrene

Concen: 8.101 ng

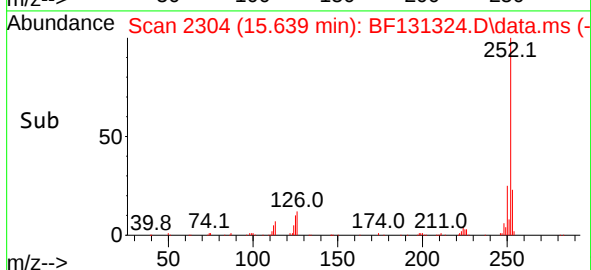
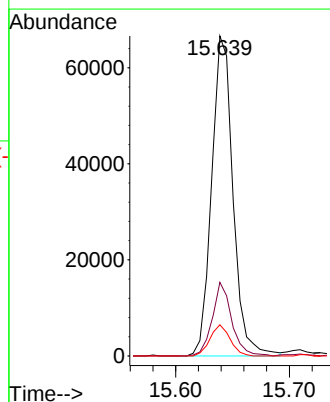
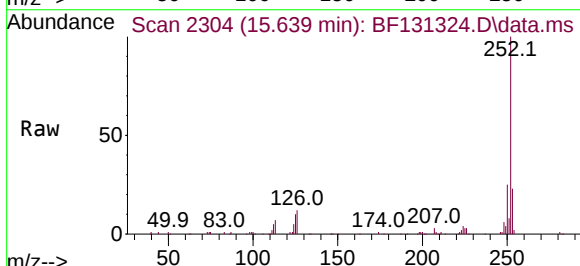
RT: 15.639 min Scan# 2304

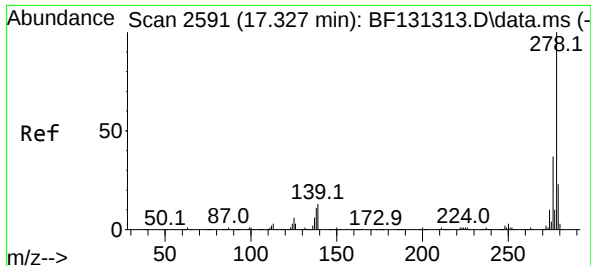
Delta R.T. -0.018 min

Lab File: BF131324.D

Acq: 22 Nov 2022 11:27

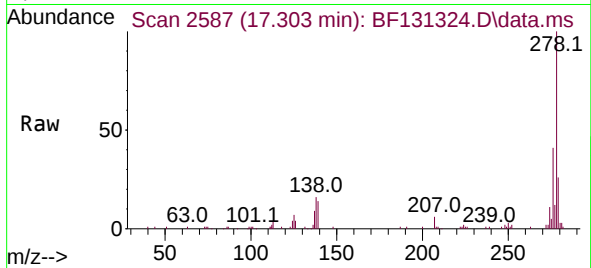
Tgt Ion:	252	Resp:	86951
Ion Ratio	Lower	Upper	
252	100		
253	23.0	17.5	26.3
125	9.7	6.1	9.1#





#91
Dibenzo(a,h)anthracene
Concen: 6.942 ng
RT: 17.303 min Scan# 2587
Delta R.T. -0.024 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

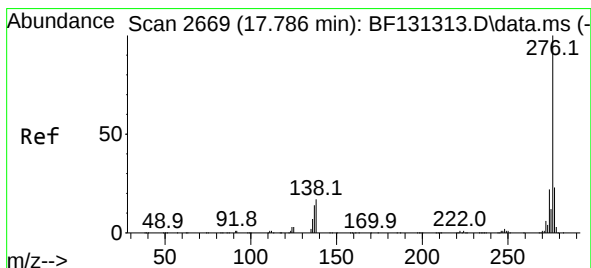
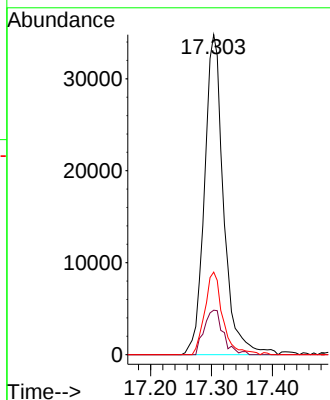
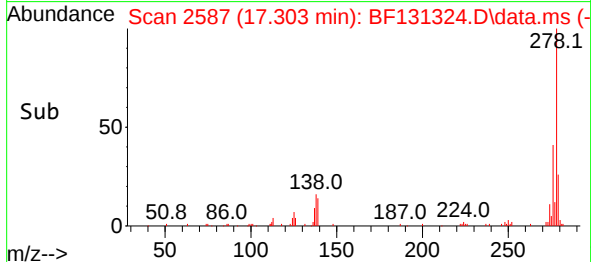
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT4-2022



Tgt Ion:278 Resp: 75803
Ion Ratio Lower Upper
278 100
139 13.9 10.4 15.6
279 25.8 18.3 27.5

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/23/2022
Supervised By :Jagrut Upadhyay 11/23/2022



#92
Benzo(g,h,i)perylene
Concen: 6.773 ng
RT: 17.750 min Scan# 2663
Delta R.T. -0.035 min
Lab File: BF131324.D
Acq: 22 Nov 2022 11:27

Tgt Ion:276 Resp: 73816
Ion Ratio Lower Upper
276 100
277 25.4 18.3 27.5
138 17.6 13.8 20.6

