

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111822\
 Data File : BF131292.D
 Acq On : 18 Nov 2022 10:11
 Operator : CG\JU
 Sample : N4955-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2022

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 11/21/2022
 Supervised By : Jagrut Upadhyay 11/21/2022

Quant Time: Nov 21 00:58:58 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 21 00:46:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	80986	20.000	ng	0.00
21) Naphthalene-d8	8.257	136	288562	20.000	ng	0.00
39) Acenaphthene-d10	10.022	164	168472	20.000	ng	0.00
64) Phenanthrene-d10	11.522	188	320169	20.000	ng	0.00
76) Chrysene-d12	14.174	240	216886	20.000	ng	0.00
86) Perylene-d12	15.716	264	158093	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	462439	104.514	ng	0.00
7) Phenol-d6	6.581	99	587741	104.781	ng	0.00
23) Nitrobenzene-d5	7.534	82	434929	80.512	ng	0.00
42) 2,4,6-Tribromophenol	10.816	330	157295	104.882	ng	0.00
45) 2-Fluorobiphenyl	9.339	172	903548	76.600	ng	0.00
79) Terphenyl-d14	13.116	244	1049648	72.341	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.781	88	8525	4.167	ng	96
3) Pyridine	3.587	79	18791	3.297	ng	93
4) n-Nitrosodimethylamine	3.493	42	12825	3.626	ng	# 88
6) Aniline	6.628	93	30171	4.298	ng	98
8) 2-Chlorophenol	6.751	128	21313	4.352	ng	88
9) Benzaldehyde	6.516	77	19368	4.756	ng	95
10) Phenol	6.593	94	24530	3.951	ng	97
11) bis(2-Chloroethyl)ether	6.698	93	20266	4.056	ng	97
12) 1,3-Dichlorobenzene	6.910	146	24772	4.251	ng	91
13) 1,4-Dichlorobenzene	6.987	146	24041	4.058	ng	98
14) 1,2-Dichlorobenzene	7.140	146	22173	4.021	ng	96
15) Benzyl Alcohol	7.128	79	8718	1.825	ng	# 51
16) 2,2'-oxybis(1-Chloropr...	7.240	45	39526	4.178	ng	96
17) 2-Methylphenol	7.210	107	16229	3.790	ng	92
18) Hexachloroethane	7.487	117	8303	3.942	ng	95
19) n-Nitroso-di-n-propyla...	7.369	70	16134	3.999	ng	89
20) 3+4-Methylphenols	7.363	107	21836m	3.993	ng	
22) Acetophenone	7.375	105	32582	4.273	ng	97
24) Nitrobenzene	7.551	77	24423	4.467	ng	92
25) Isophorone	7.787	82	44469	4.312	ng	97
26) 2-Nitrophenol	7.869	139	5378	3.105	ng	97
27) 2,4-Dimethylphenol	7.904	122	19384m	4.780	ng	
28) bis(2-Chloroethoxy)met...	7.998	93	26306	4.566	ng	98
29) 2,4-Dichlorophenol	8.104	162	16370	3.770	ng	94
30) 1,2,4-Trichlorobenzene	8.198	180	21166	3.926	ng	95
31) Naphthalene	8.281	128	63897	4.084	ng	99
32) Benzoic acid	7.940	122	1875m	0.773	ng	
33) 4-Chloroaniline	8.322	127	25054	4.122	ng	94
34) Hexachlorobutadiene	8.392	225	14059	3.946	ng	95
35) Caprolactam	8.651	113	4663	3.857	ng	# 74
36) 4-Chloro-3-methylphenol	8.798	107	17313m	3.699	ng	
37) 2-Methylnaphthalene	8.975	142	43997	4.172	ng	94
38) 1-Methylnaphthalene	9.075	142	43047	4.213	ng	100
40) 1,2,4,5-Tetrachloroben...	9.134	216	23292	4.225	ng	98
41) Hexachlorocyclopentadiene	9.128	237	8665	3.634	ng	96
43) 2,4,6-Trichlorophenol	9.245	196	9424	2.875	ng	97

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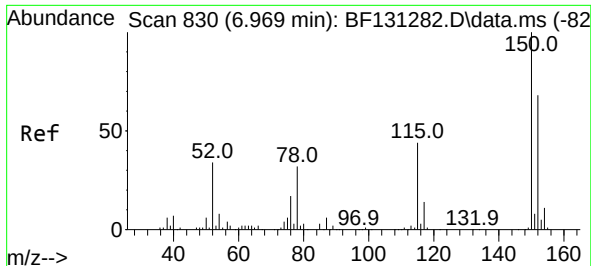
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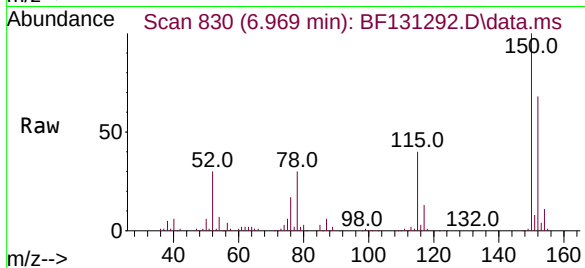
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.287	196	14134	3.958	ng	92
46) 1,1'-Biphenyl	9.439	154	58878	4.526	ng	96
47) 2-Chloronaphthalene	9.463	162	43191	4.135	ng	94
48) 2-Nitroaniline	9.557	65	8548	2.961	ng	# 88
49) Acenaphthylene	9.881	152	67002	4.199	ng	98
50) Dimethylphthalate	9.734	163	51605	4.230	ng	99
51) 2,6-Dinitrotoluene	9.798	165	6659	3.323	ng	94
52) Acenaphthene	10.057	154	40531	4.071	ng	97
53) 3-Nitroaniline	9.969	138	7460	3.518	ng	# 97
54) 2,4-Dinitrophenol	10.069	184	1062	1.505	ng	# 50
55) Dibenzofuran	10.228	168	63673	4.411	ng	96
56) 4-Nitrophenol	10.116	139	3642	2.282	ng	# 83
57) 2,4-Dinitrotoluene	10.198	165	6987	2.884	ng	97
58) Fluorene	10.575	166	50026	4.364	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.339	232	9008	2.978	ng	# 92
60) Diethylphthalate	10.439	149	48462	4.164	ng	99
61) 4-Chlorophenyl-phenyle...	10.569	204	25610	4.407	ng	94
62) 4-Nitroaniline	10.575	138	7510	3.486	ng	96
63) Azobenzene	10.728	77	49226	4.072	ng	98
65) 4,6-Dinitro-2-methylph...	10.604	198	1851	1.668	ng	93
66) n-Nitrosodiphenylamine	10.681	169	40727	3.947	ng	97
67) 4-Bromophenyl-phenylether	11.063	248	15563	4.051	ng	# 84
68) Hexachlorobenzene	11.122	284	17249	4.138	ng	99
69) Atrazine	11.204	200	14787	4.493	ng	96
70) Pentachlorophenol	11.316	266	4374m	1.964	ng	
71) Phenanthrene	11.539	178	74497	4.208	ng	99
72) Anthracene	11.592	178	74256	4.289	ng	99
73) Carbazole	11.745	167	60710	4.171	ng	99
74) Di-n-butylphthalate	12.080	149	70881	4.033	ng	99
75) Fluoranthene	12.739	202	76376	4.157	ng	98
77) Benzidine	12.863	184	24465	4.987	ng	94
78) Pyrene	12.969	202	78199	3.747	ng	97
80) Butylbenzylphthalate	13.592	149	19314	3.060	ng	93
81) Benzo(a)anthracene	14.163	228	58879	3.851	ng	100
82) 3,3'-Dichlorobenzidine	14.127	252	15055	3.709	ng	94
83) Chrysene	14.198	228	57937	3.962	ng	98
84) Bis(2-ethylhexyl)phtha...	14.151	149	26354	3.587	ng	96
85) Di-n-octyl phthalate	14.780	149	30135	2.889	ng	96
87) Indeno(1,2,3-cd)pyrene	17.286	276	35133	2.930	ng	96
88) Benzo(b)fluoranthene	15.251	252	43620	4.100	ng	97
89) Benzo(k)fluoranthene	15.280	252	42911	3.946	ng	99
90) Benzo(a)pyrene	15.645	252	33229	3.804	ng	99
91) Dibenzo(a,h)anthracene	17.310	278	31221	3.164	ng	# 95
92) Benzo(g,h,i)perylene	17.762	276	31725	3.180	ng	98

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 830
Delta R.T. 0.000 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

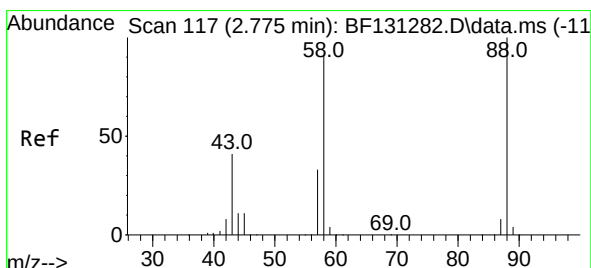
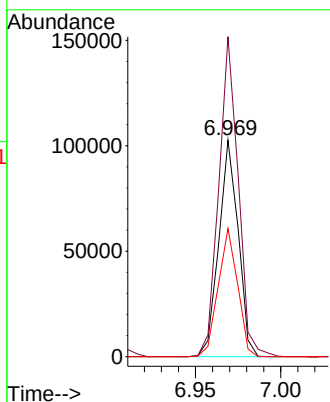
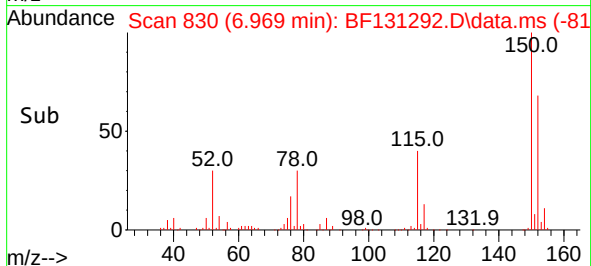
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



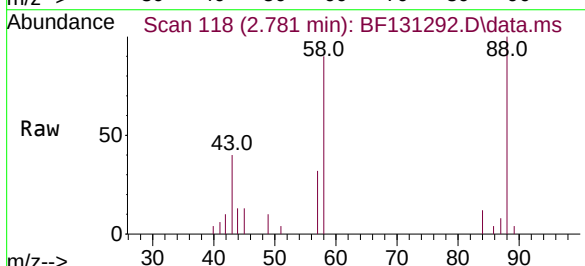
Tgt Ion:152 Resp: 80986
Ion Ratio Lower Upper
152 100
150 147.8 117.8 176.6
115 59.2 52.2 78.4

Manual Integrations
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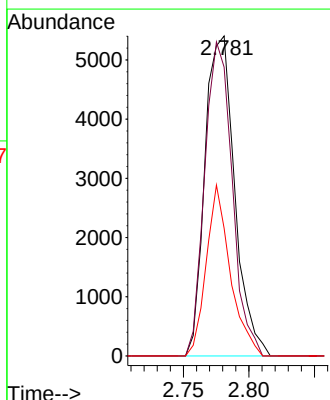
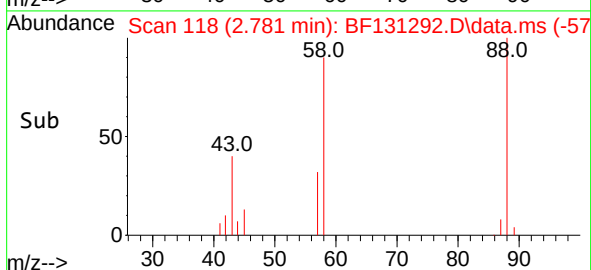
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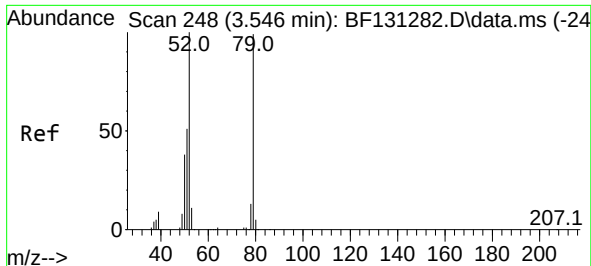


#2
1,4-Dioxane
Concen: 4.167 ng
RT: 2.781 min Scan# 118
Delta R.T. 0.006 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11



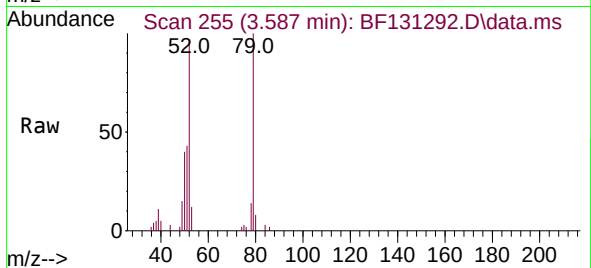
Tgt Ion: 88 Resp: 8525
Ion Ratio Lower Upper
88 100
58 90.8 76.0 114.0
43 43.1 32.4 48.6





#3
Pyridine
Concen: 3.297 ng
RT: 3.587 min Scan# 21
Delta R.T. 0.041 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

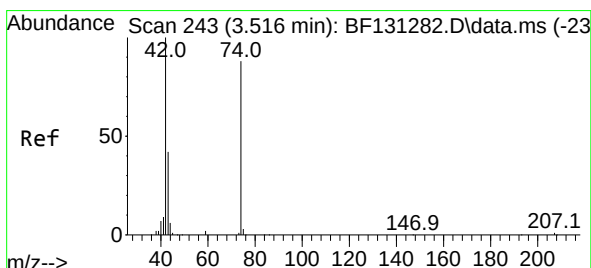
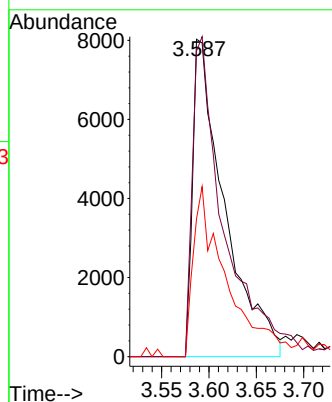
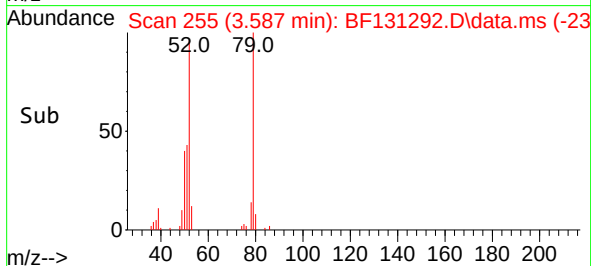
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion: 79 Resp: 1879
Ion Ratio Lower Upper
79 100
52 96.3 80.7 121.1
51 43.4 41.6 62.4

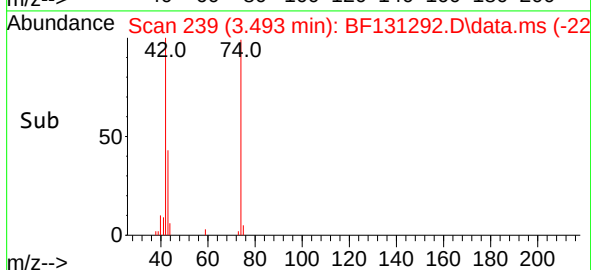
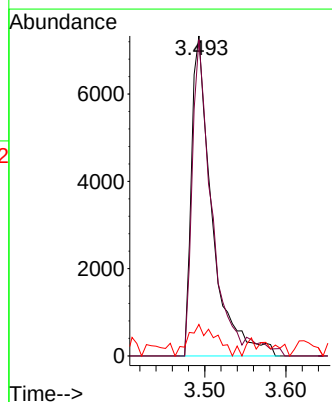
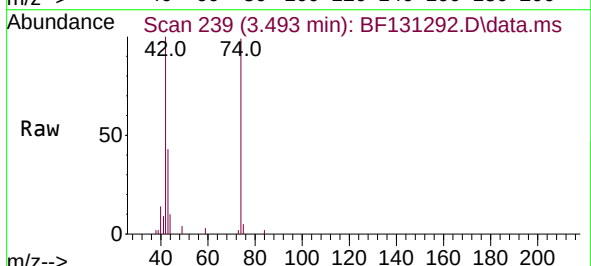
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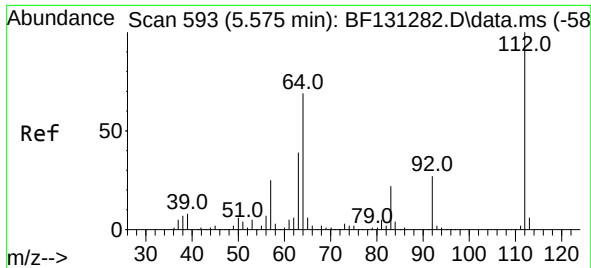
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#4
n-Nitrosodimethylamine
Concen: 3.626 ng
RT: 3.493 min Scan# 239
Delta R.T. -0.023 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

Tgt Ion: 42 Resp: 12825
Ion Ratio Lower Upper
42 100
74 98.8 70.3 105.5
44 9.8 5.4 8.2





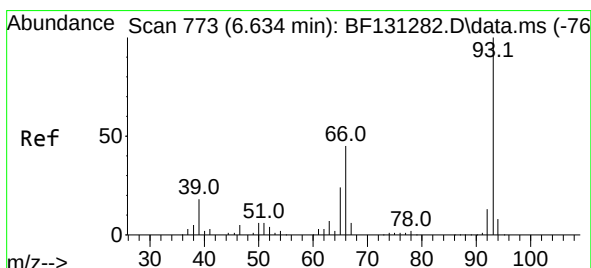
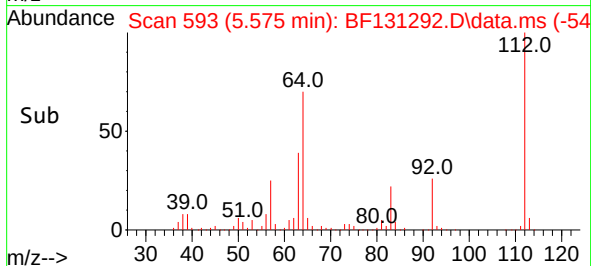
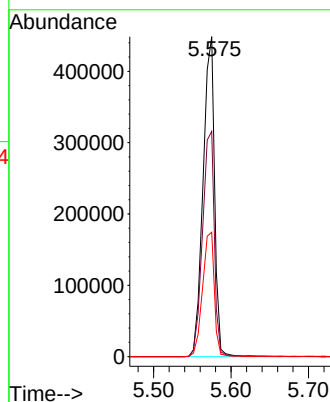
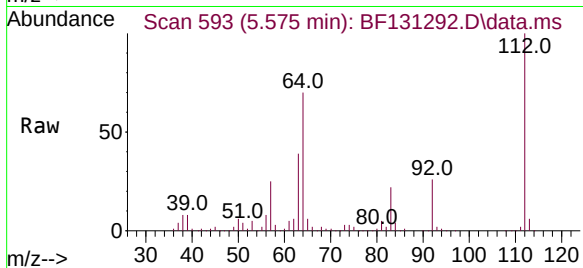
#5
2-Fluorophenol
Concen: 104.514 ng
RT: 5.575 min Scan# 593
Delta R.T. 0.000 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:112 Resp: 462439
Ion Ratio Lower Upper
112 100
64 70.4 55.5 83.3
63 38.9 31.0 46.6

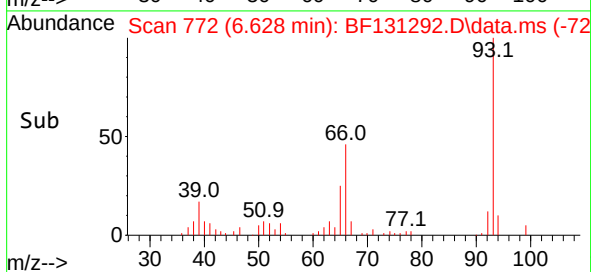
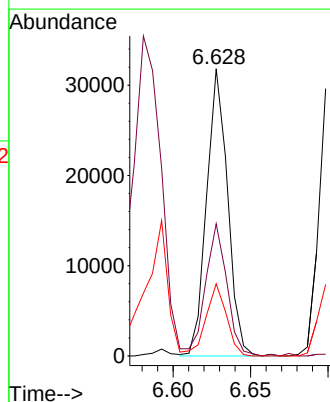
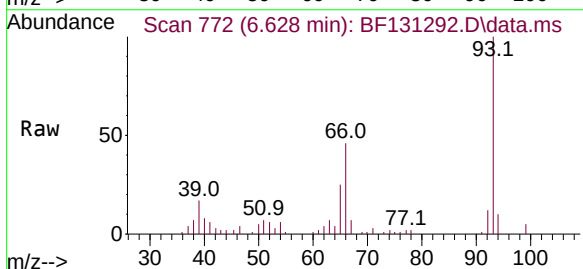
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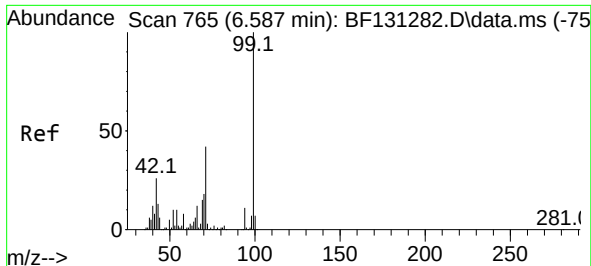
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#6
Aniline
Concen: 4.298 ng
RT: 6.628 min Scan# 772
Delta R.T. -0.006 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

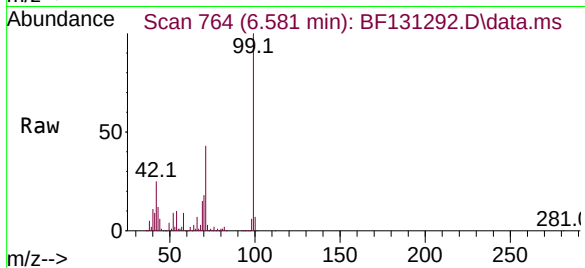
Tgt Ion: 93 Resp: 30171
Ion Ratio Lower Upper
93 100
66 46.0 37.7 56.5
65 25.1 19.5 29.3





#7
Phenol-d6
Concen: 104.781 ng
RT: 6.581 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

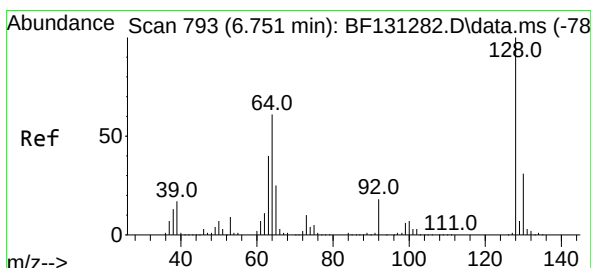
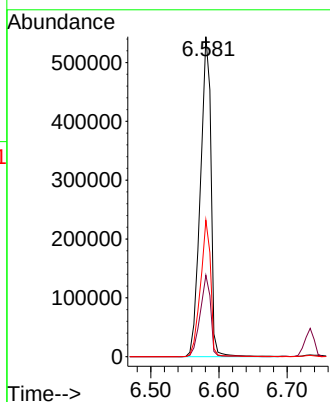
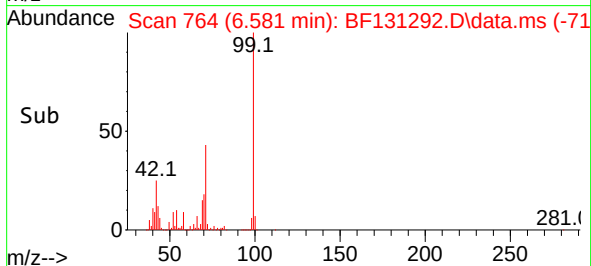
Instrument :
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Tgt Ion: 99 Resp: 58774
Ion Ratio Lower Upper
99 100
42 25.4 21.2 31.8
71 42.6 33.8 50.6

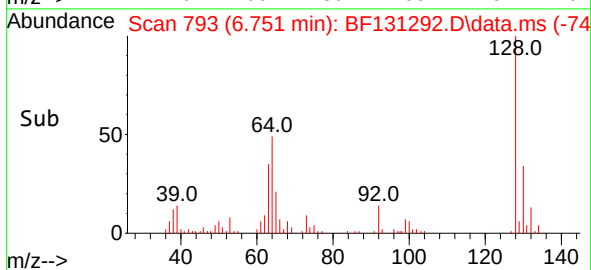
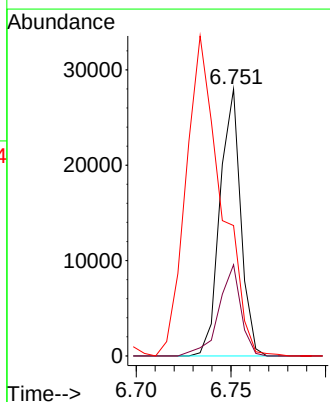
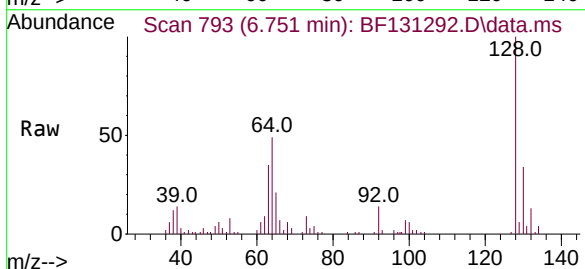
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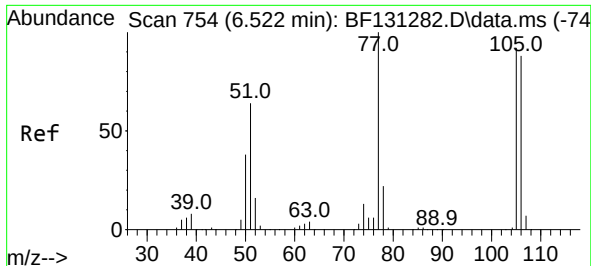
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#8
2-Chlorophenol
Concen: 4.352 ng
RT: 6.751 min Scan# 793
Delta R.T. 0.000 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

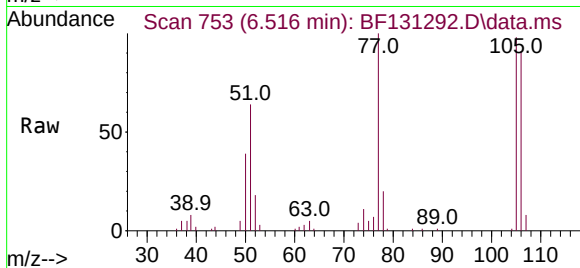
Tgt Ion:128 Resp: 21313
Ion Ratio Lower Upper
128 100
130 34.2 11.4 51.4
64 48.9 40.9 80.9





#9
Benzaldehyde
Concen: 4.756 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

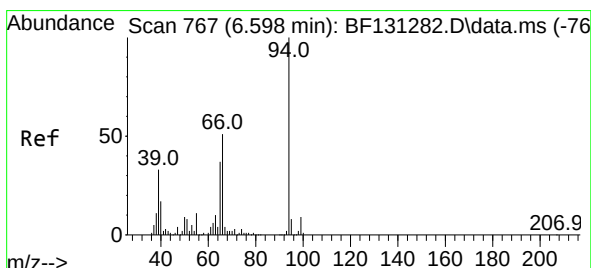
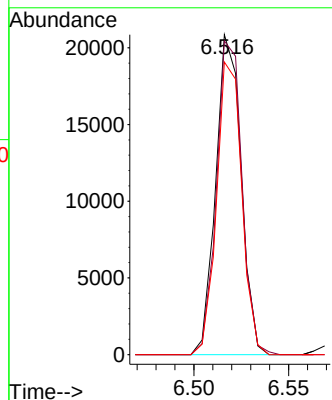
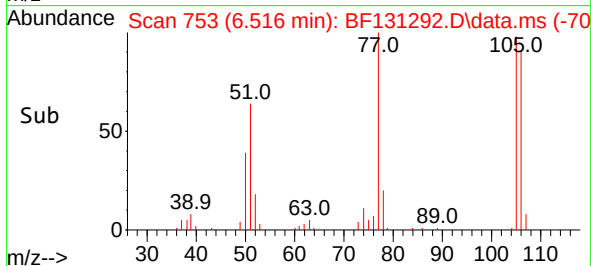
Instrument :
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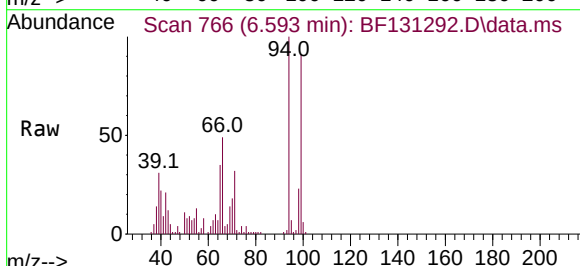
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Ion Ratio Lower Upper
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105 98.0 72.5 112.5
106 91.4 67.7 107.7

Manual Integrations
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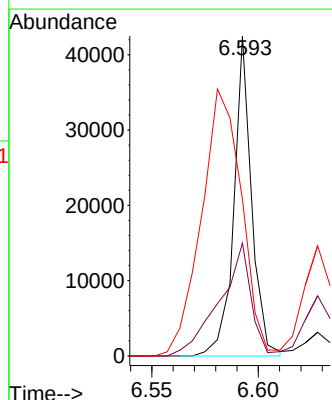
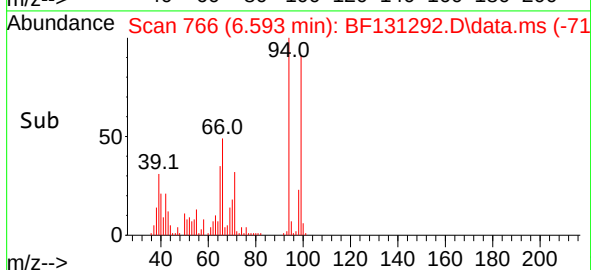
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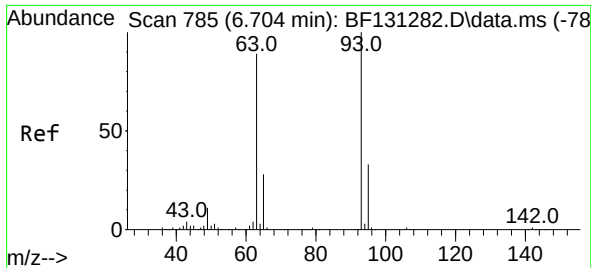


#10
Phenol
Concen: 3.951 ng
RT: 6.593 min Scan# 766
Delta R.T. -0.006 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11



Tgt Ion: 94 Resp: 24530
Ion Ratio Lower Upper
94 100
65 35.3 16.8 56.8
66 49.0 31.4 71.4





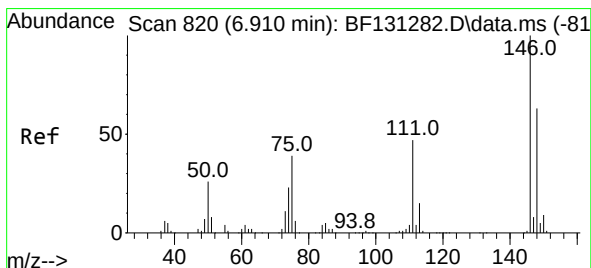
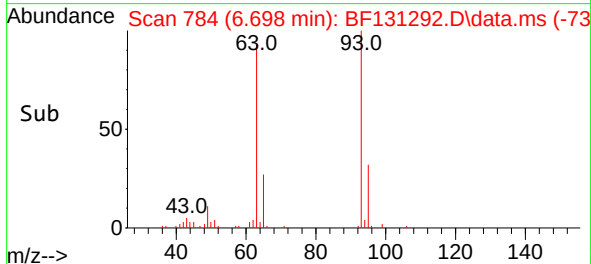
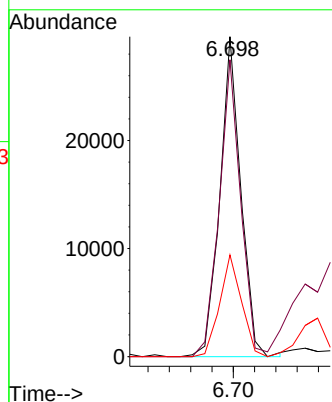
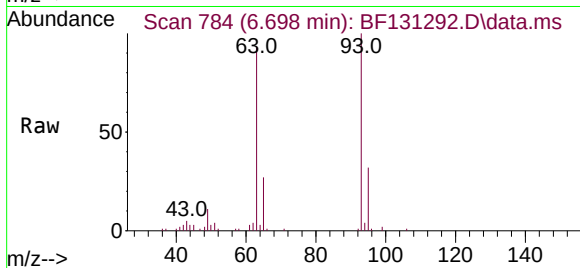
#11
bis(2-Chloroethyl)ether
Concen: 4.056 ng
RT: 6.698 min Scan# 785
Delta R.T. -0.006 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022

Tgt Ion: 93 Resp: 20266
Ion Ratio Lower Upper
93 100
63 92.8 68.8 108.8
95 31.8 12.4 52.4

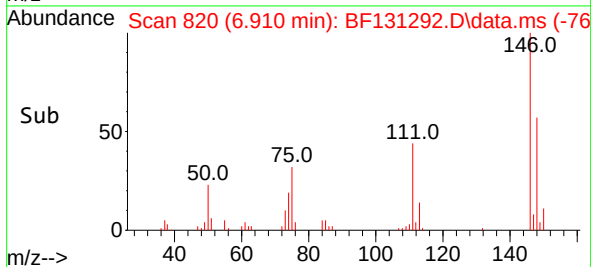
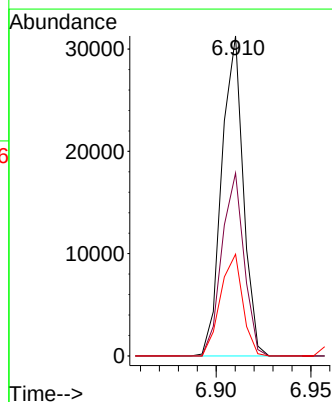
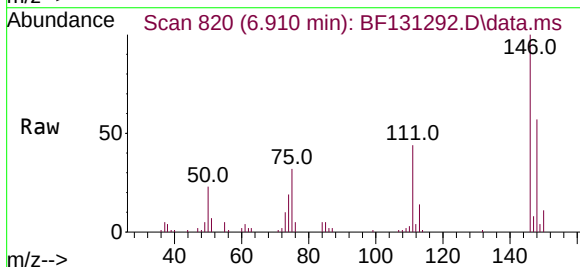
Manual Integrations
APPROVED

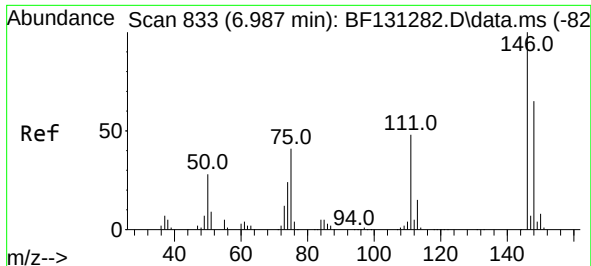
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#12
1,3-Dichlorobenzene
Concen: 4.251 ng
RT: 6.910 min Scan# 820
Delta R.T. 0.000 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

Tgt Ion:146 Resp: 24772
Ion Ratio Lower Upper
146 100
148 57.1 50.4 75.6
75 31.8 30.9 46.3





#13

1,4-Dichlorobenzene

Concen: 4.058 ng

RT: 6.987 min Scan# 841

Delta R.T. 0.000 min

Lab File: BF131292.D

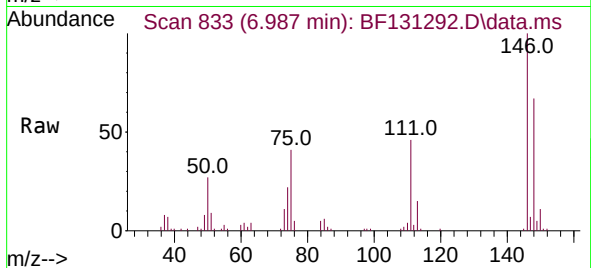
Acq: 18 Nov 2022 10:11

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022



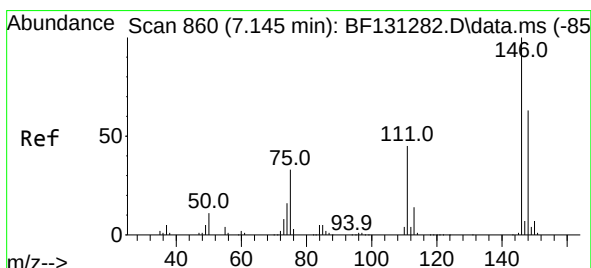
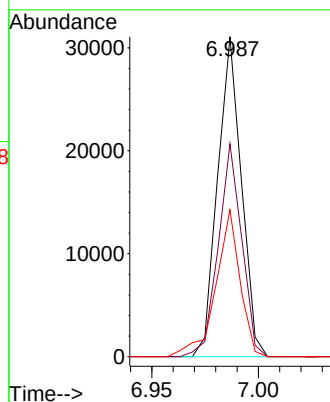
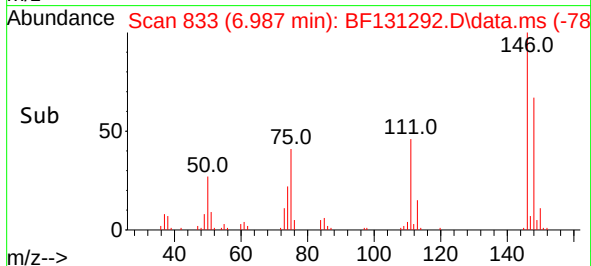
Tgt Ion:	146	Resp:	2404
Ion Ratio	Lower	Upper	
146	100		
148	66.5	51.9	77.9
111	45.9	38.3	57.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#14

1,2-Dichlorobenzene

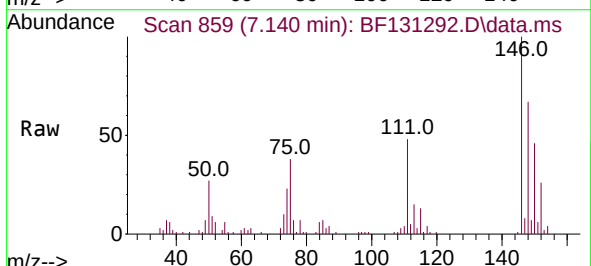
Concen: 4.021 ng

RT: 7.140 min Scan# 859

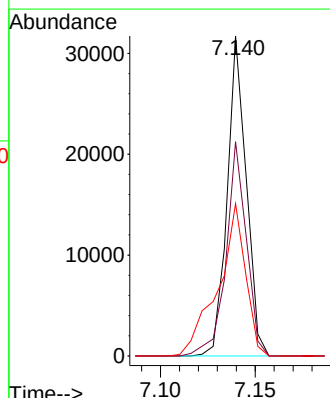
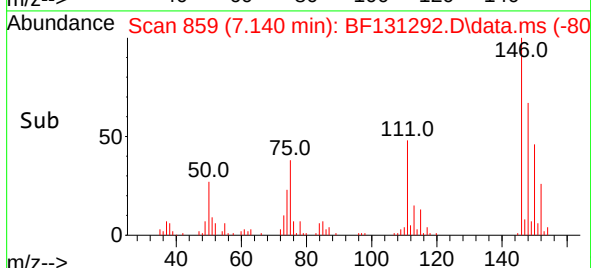
Delta R.T. -0.006 min

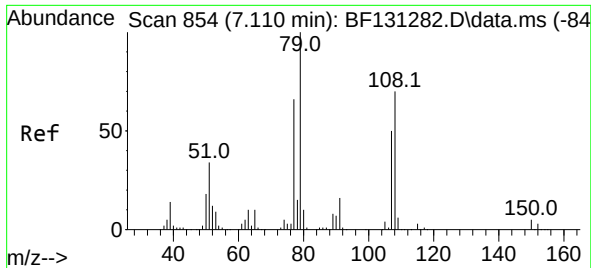
Lab File: BF131292.D

Acq: 18 Nov 2022 10:11



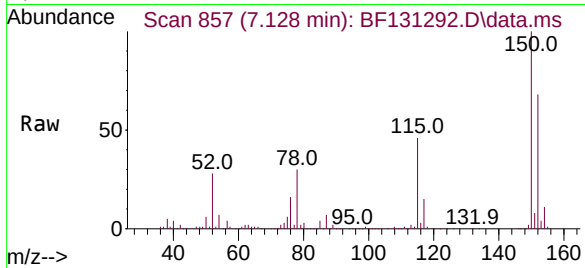
Tgt Ion:	146	Resp:	22173
Ion Ratio	Lower	Upper	
146	100		
148	66.9	50.6	75.8
111	47.6	36.4	54.6





#15
Benzyl Alcohol
Concen: 1.825 ng
RT: 7.128 min Scan# 854
Delta R.T. 0.018 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

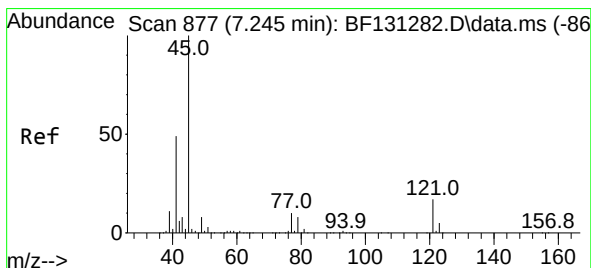
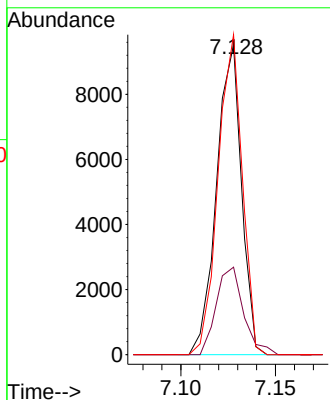
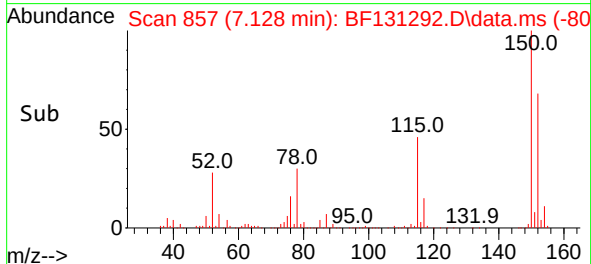
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion: 79 Resp: 8718
Ion Ratio Lower Upper
79 100
108 28.2 56.3 84.5
77 103.3 52.5 78.7

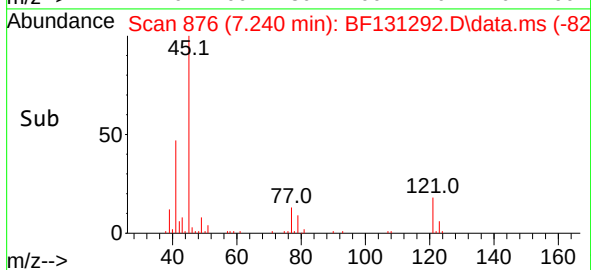
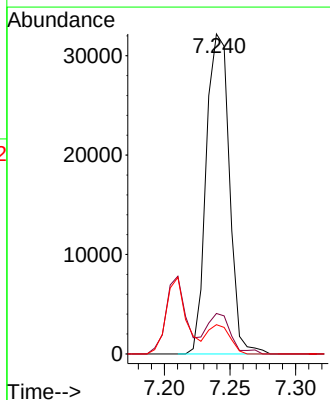
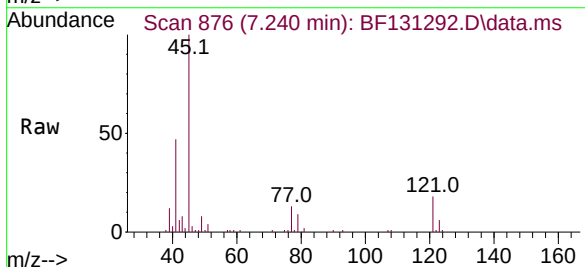
Manual Integrations
APPROVED

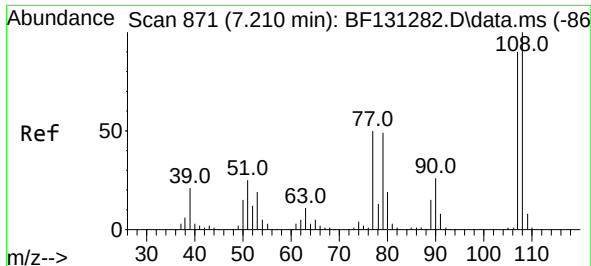
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.178 ng
RT: 7.240 min Scan# 876
Delta R.T. -0.006 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

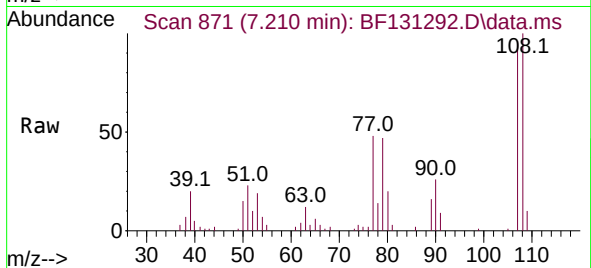
Tgt Ion: 45 Resp: 39526
Ion Ratio Lower Upper
45 100
77 12.6 0.0 30.8
79 9.1 0.0 28.4





#17
2-Methylphenol
Concen: 3.790 ng
RT: 7.210 min Scan# 871
Delta R.T. 0.000 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

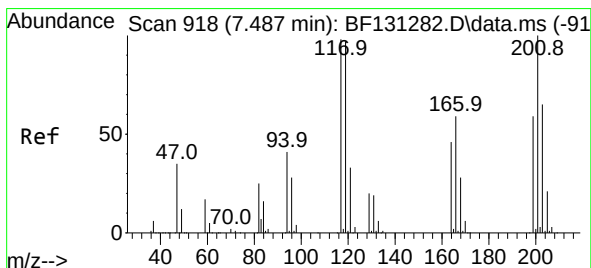
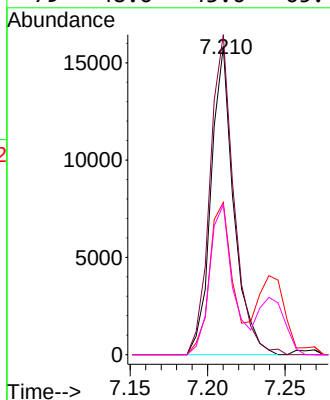
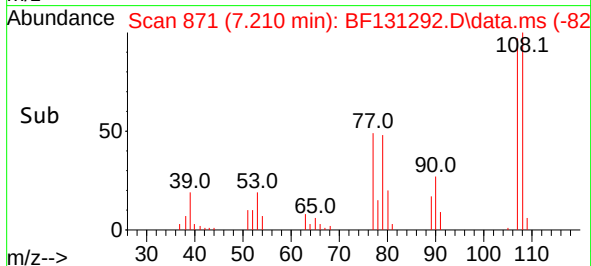
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:107 Resp: 16229
Ion Ratio Lower Upper
107 100
108 103.9 89.2 133.8
77 49.4 45.0 67.4
79 48.6 43.6 65.4

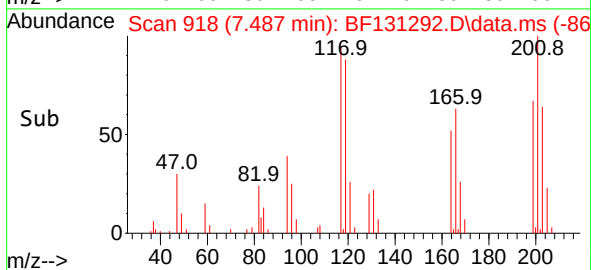
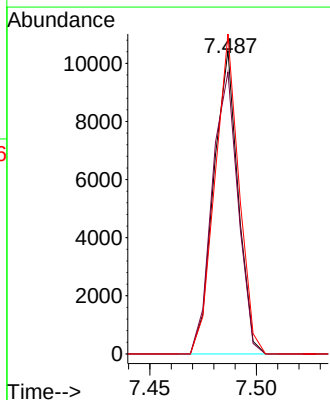
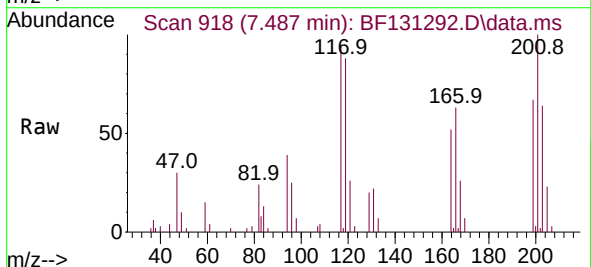
Manual Integrations
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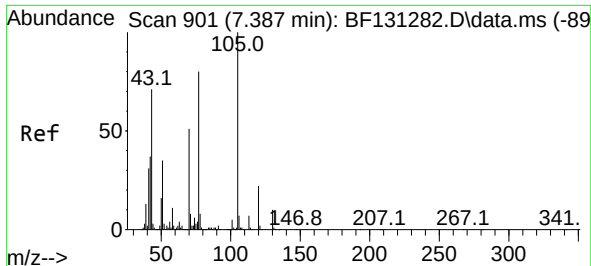
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#18
Hexachloroethane
Concen: 3.942 ng
RT: 7.487 min Scan# 918
Delta R.T. 0.000 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

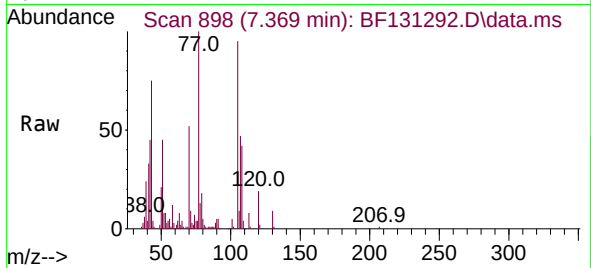
Tgt Ion:117 Resp: 8303
Ion Ratio Lower Upper
117 100
119 92.8 79.0 118.4
201 105.5 81.7 122.5





#19
n-Nitroso-di-n-propylamine
Concen: 3.999 ng
RT: 7.369 min Scan# 897
Delta R.T. -0.018 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

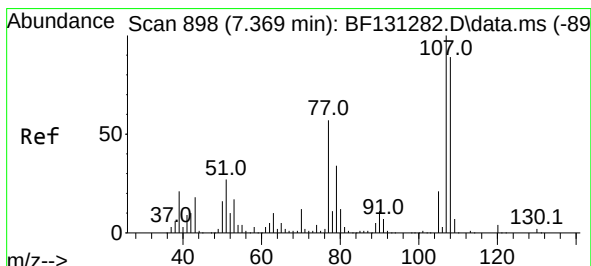
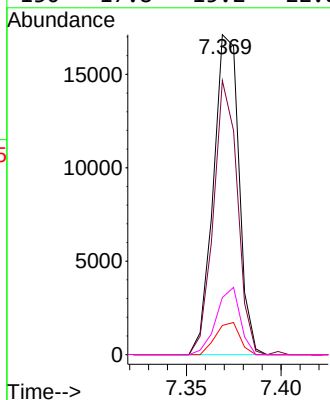
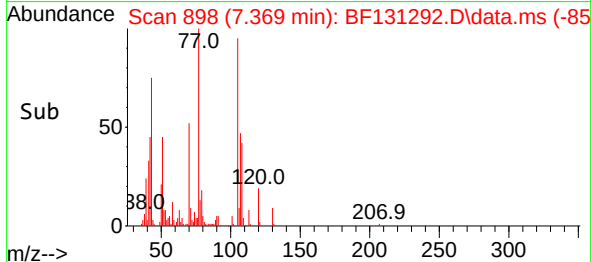
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion: 70 Resp: 16134
Ion Ratio Lower Upper
70 100
42 85.6 58.9 88.3
101 9.1 7.2 10.8
130 17.8 15.2 22.8

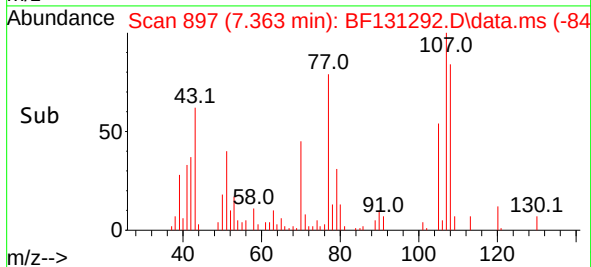
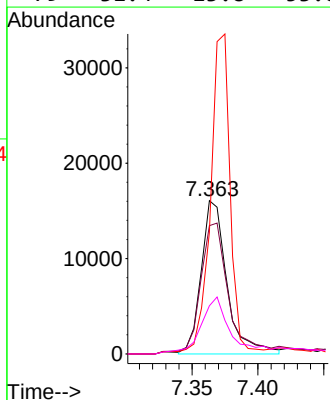
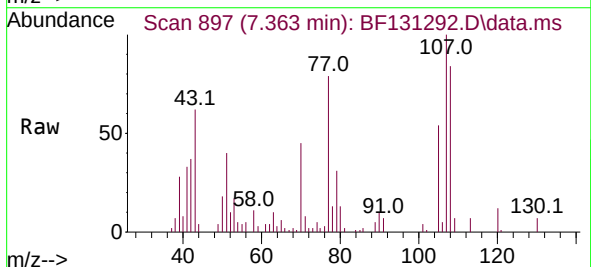
Manual Integrations
APPROVED

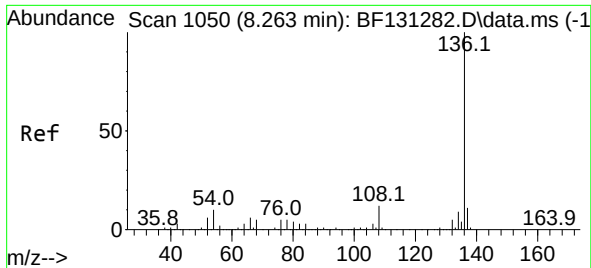
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#20
3+4-Methylphenols
Concen: 3.993 ng m
RT: 7.363 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

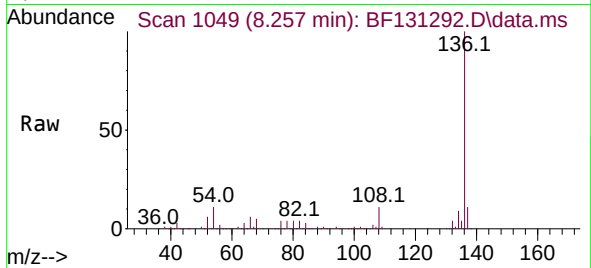
Tgt Ion:107 Resp: 21836
Ion Ratio Lower Upper
107 100
108 83.7 69.0 109.0
77 79.4 36.9 76.9#
79 31.4 13.8 53.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.257 min Scan# 1049
Delta R.T. -0.006 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

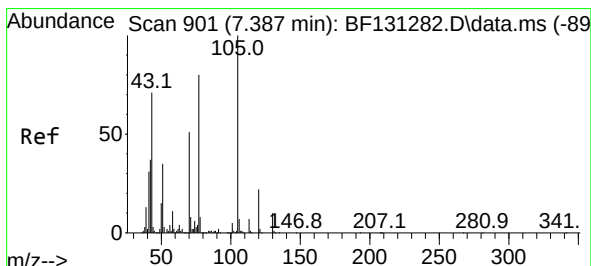
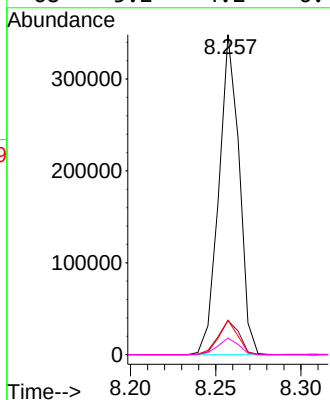
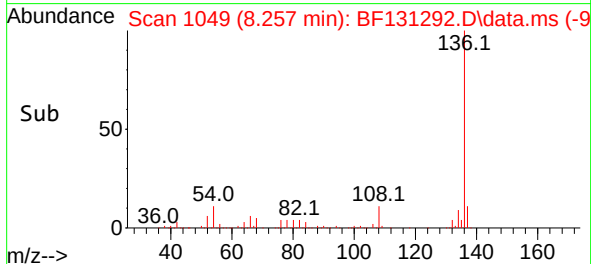
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:136 Resp: 288562
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 10.7 8.2 12.2
68 5.2 4.2 6.4

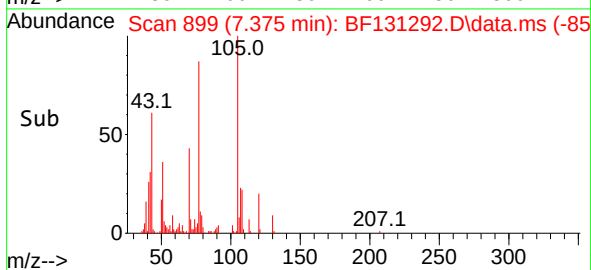
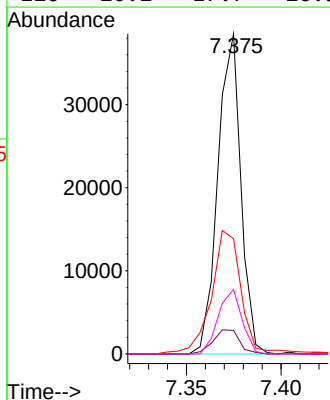
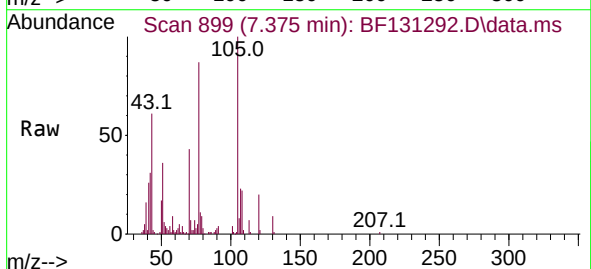
Manual Integrations
APPROVED

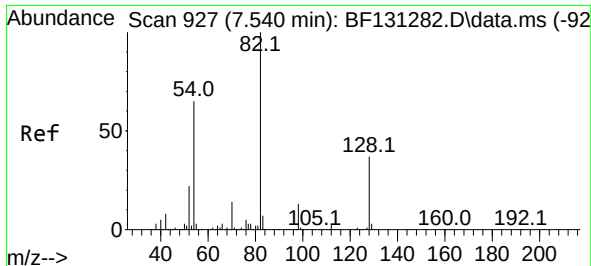
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#22
Acetophenone
Concen: 4.273 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

Tgt Ion:105 Resp: 32582
Ion Ratio Lower Upper
105 100
71 7.3 6.4 9.6
51 36.0 28.0 42.0
120 20.2 17.7 26.5





#23

Nitrobenzene-d5

Concen: 80.512 ng

RT: 7.534 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF131292.D

Acq: 18 Nov 2022 10:11

Instrument :

BNA_F

ClientSampleId :

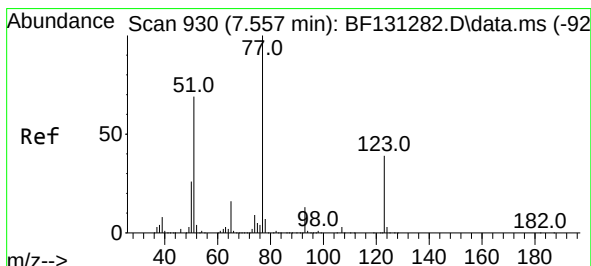
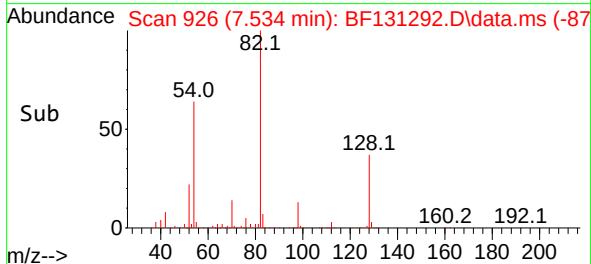
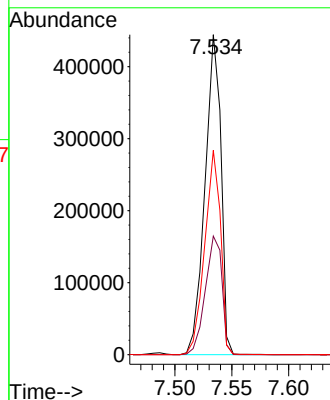
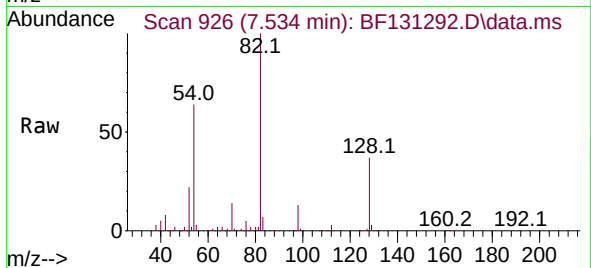
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion: 82 Resp: 434929
 Ion Ratio Lower Upper
 82 100
 128 37.0 29.2 43.8
 54 63.8 52.2 78.4

Manual Integrations

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Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022



#24

Nitrobenzene

Concen: 4.467 ng

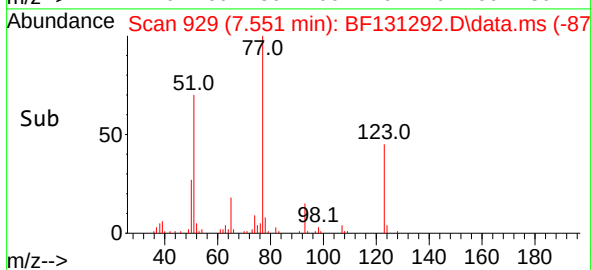
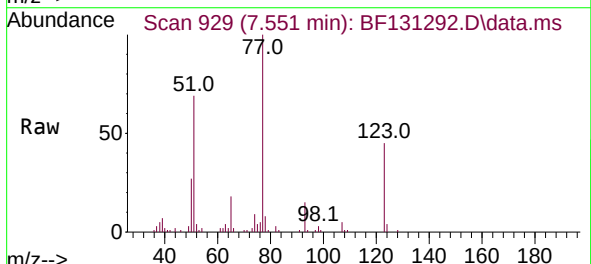
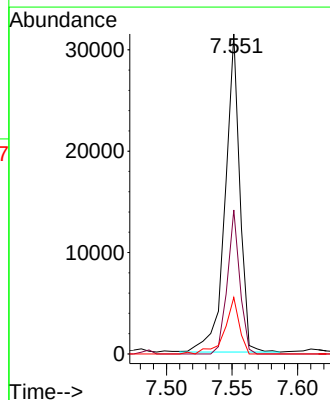
RT: 7.551 min Scan# 929

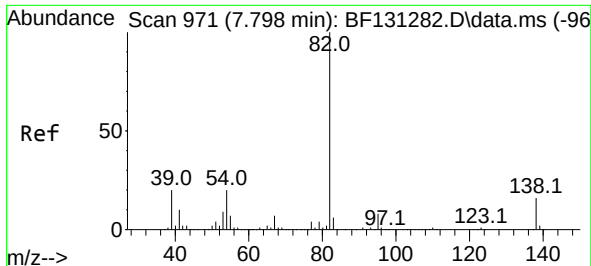
Delta R.T. -0.006 min

Lab File: BF131292.D

Acq: 18 Nov 2022 10:11

Tgt Ion: 77 Resp: 24423
 Ion Ratio Lower Upper
 77 100
 123 45.0 31.0 46.6
 65 17.6 12.6 19.0





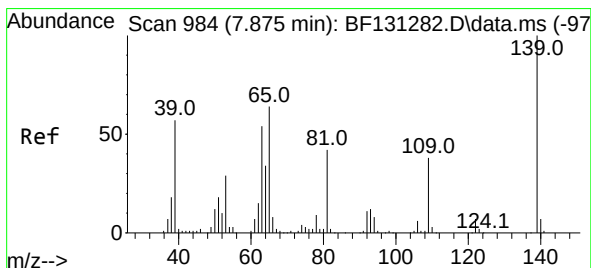
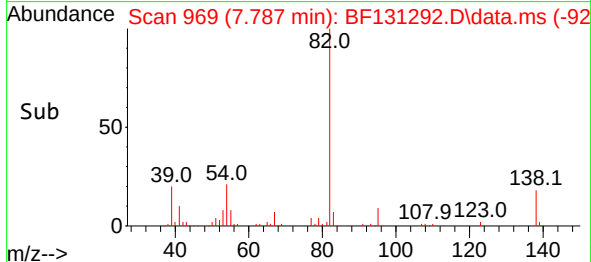
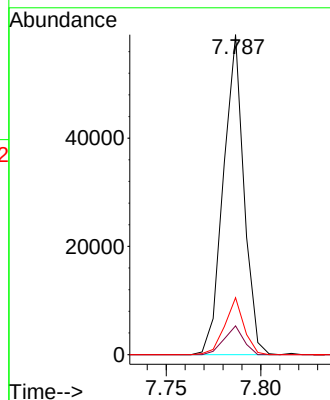
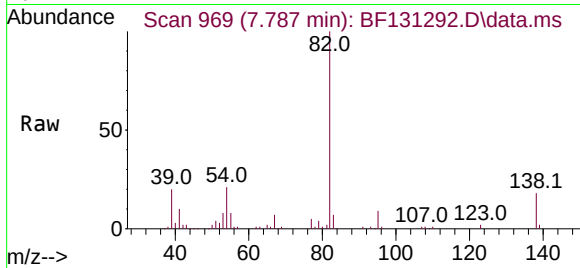
#25
Isophorone
Concen: 4.312 ng
RT: 7.787 min Scan# 90
Delta R.T. -0.011 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion: 82 Resp: 44469
Ion Ratio Lower Upper
82 100
95 9.0 6.6 9.8
138 17.8 13.0 19.6

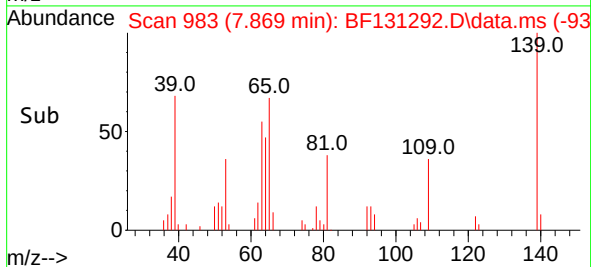
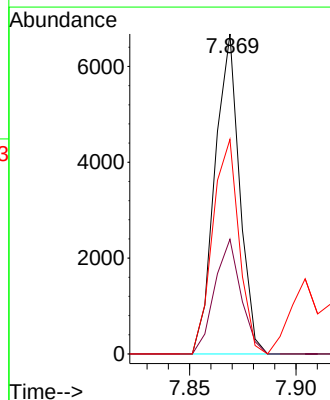
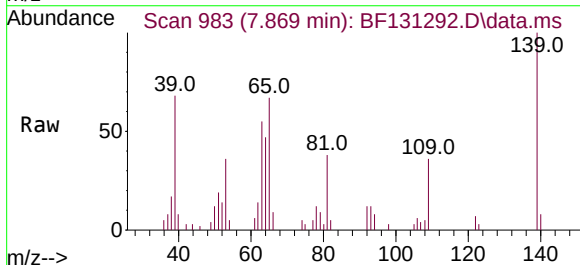
Manual Integrations
APPROVED

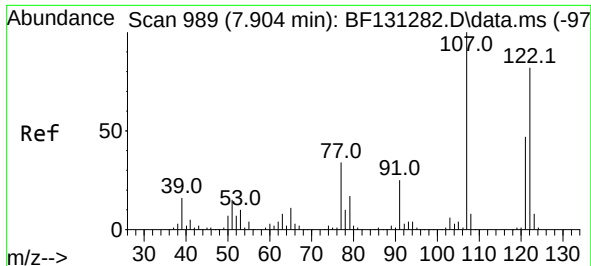
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#26
2-Nitrophenol
Concen: 3.105 ng
RT: 7.869 min Scan# 983
Delta R.T. -0.006 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

Tgt Ion:139 Resp: 5378
Ion Ratio Lower Upper
139 100
109 35.8 30.4 45.6
65 67.0 51.5 77.3





#27

2,4-Dimethylphenol

Concen: 4.780 ng m

RT: 7.904 min Scan# 989

Delta R.T. 0.000 min

Lab File: BF131292.D

Acq: 18 Nov 2022 10:11

Instrument :

BNA_F

ClientSampleId :

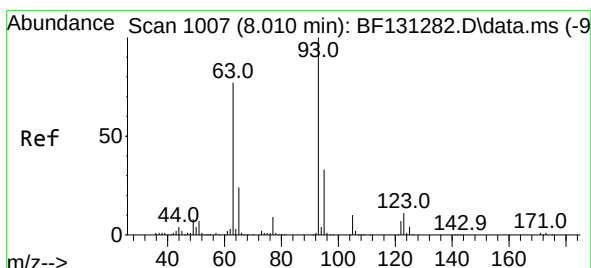
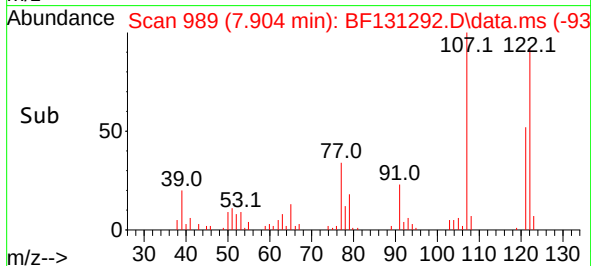
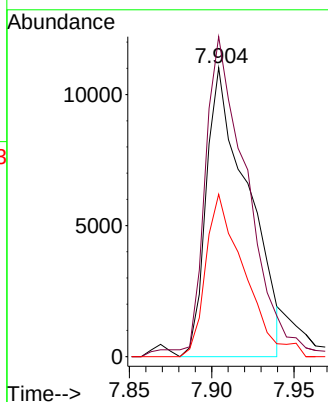
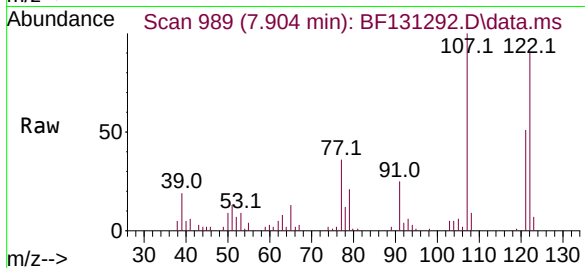
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:	122	Resp:	19384
Ion Ratio	Lower	Upper	
122	100		
107	110.8	98.2	147.2
121	56.2	46.3	69.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#28

bis(2-Chloroethoxy)methane

Concen: 4.566 ng

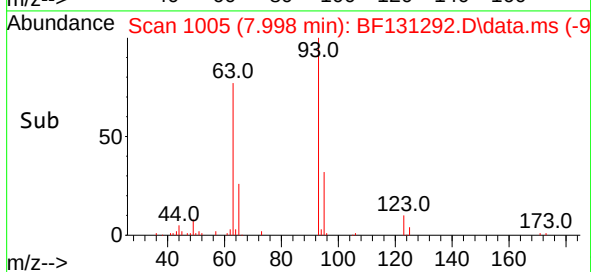
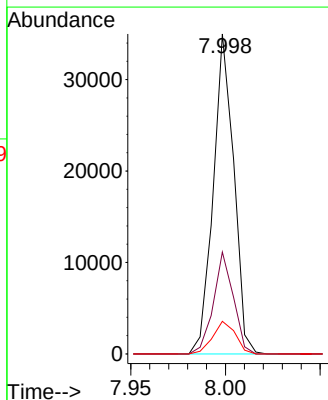
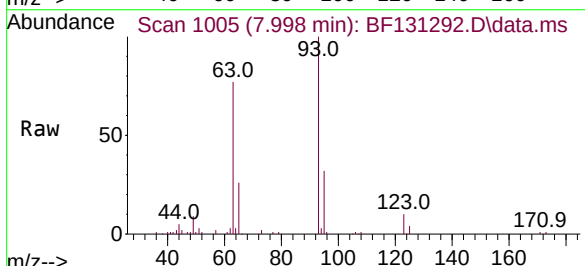
RT: 7.998 min Scan# 1005

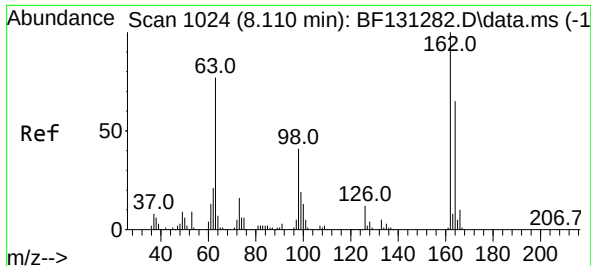
Delta R.T. -0.012 min

Lab File: BF131292.D

Acq: 18 Nov 2022 10:11

Tgt Ion:	93	Resp:	26306
Ion Ratio	Lower	Upper	
93	100		
95	31.8	26.4	39.6
123	10.2	9.3	13.9





#29

2,4-Dichlorophenol

Concen: 3.770 ng

RT: 8.104 min Scan# 1024

Delta R.T. -0.006 min

Lab File: BF131292.D

Acq: 18 Nov 2022 10:11

Instrument :

BNA_F

ClientSampleId :

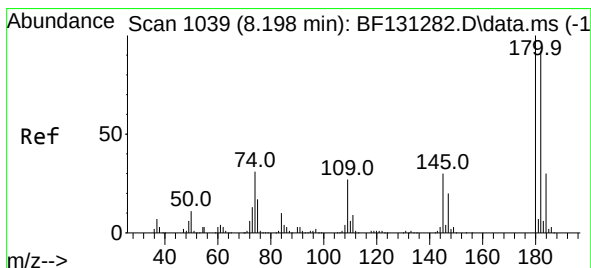
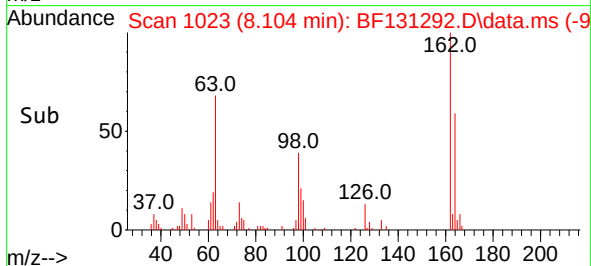
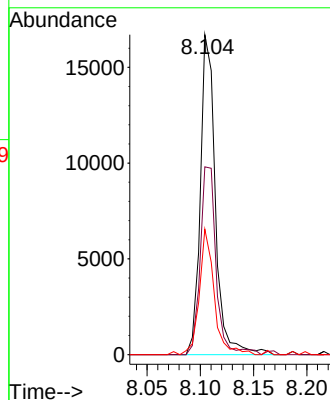
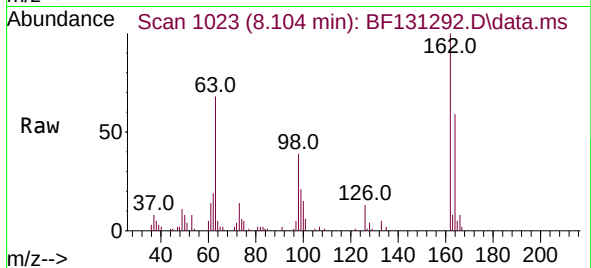
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:162	Resp:	16370
Ion Ratio	Lower	Upper
162	100	
164	58.7	44.7 84.7
98	39.2	21.5 61.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#30

1,2,4-Trichlorobenzene

Concen: 3.926 ng

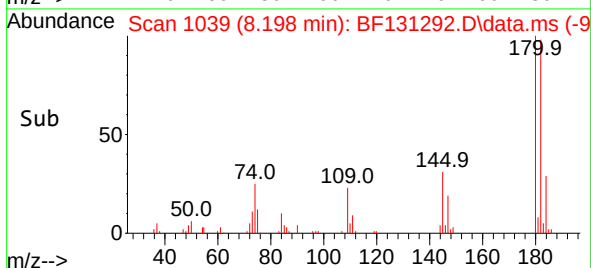
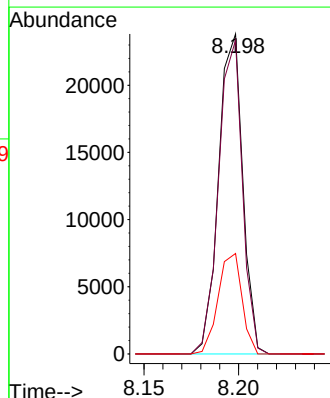
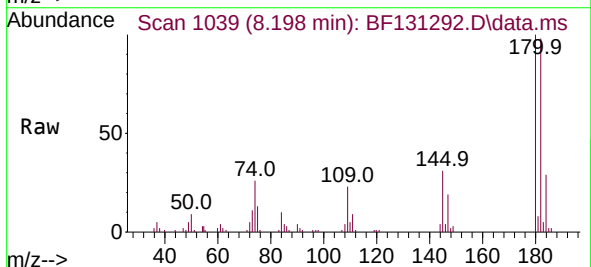
RT: 8.198 min Scan# 1039

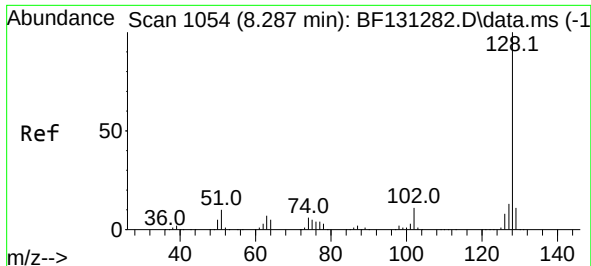
Delta R.T. 0.000 min

Lab File: BF131292.D

Acq: 18 Nov 2022 10:11

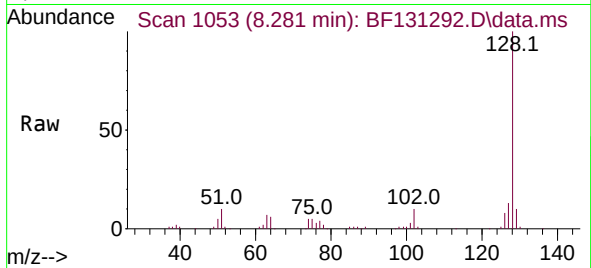
Tgt Ion:180	Resp:	21166
Ion Ratio	Lower	Upper
180	100	
182	98.0	74.0 111.0
145	31.4	23.8 35.6





#31
Naphthalene
Concen: 4.084 ng
RT: 8.281 min Scan# 1054
Delta R.T. -0.006 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

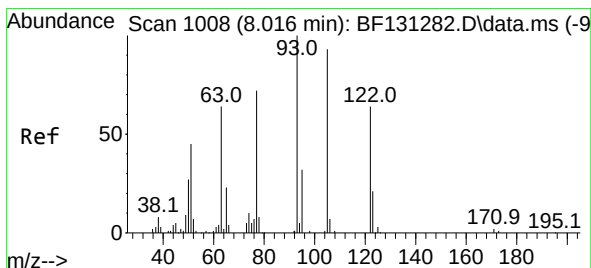
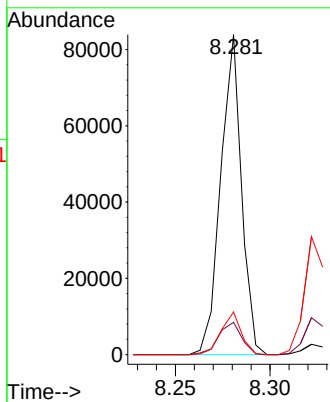
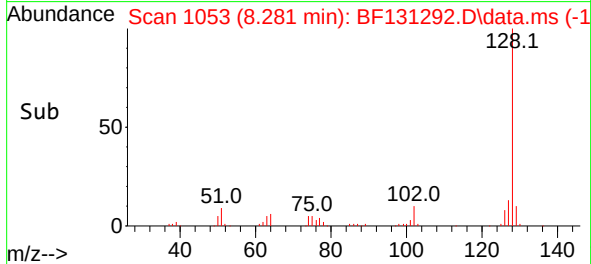
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:128 Resp: 63897
Ion Ratio Lower Upper
128 100
129 10.1 8.6 13.0
127 13.3 10.6 16.0

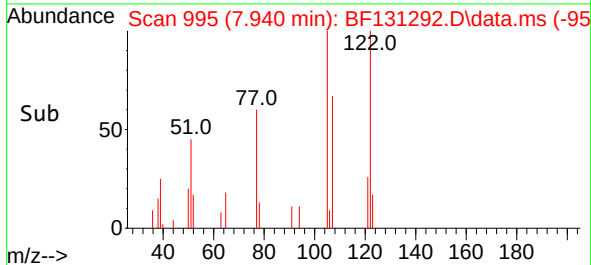
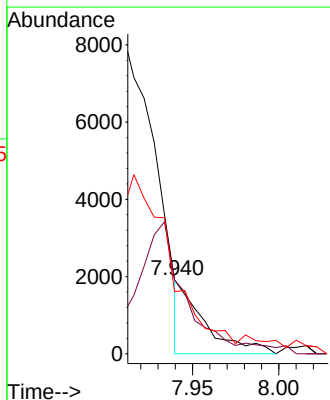
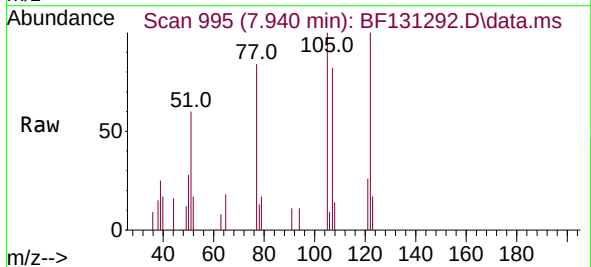
Manual Integrations
APPROVED

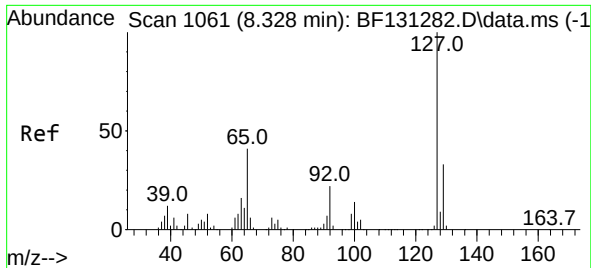
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#32
Benzoic acid
Concen: 0.773 ng m
RT: 7.940 min Scan# 995
Delta R.T. -0.076 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

Tgt Ion:122 Resp: 1875
Ion Ratio Lower Upper
122 100
105 99.8 121.4 161.4#
77 84.3 91.2 131.2#





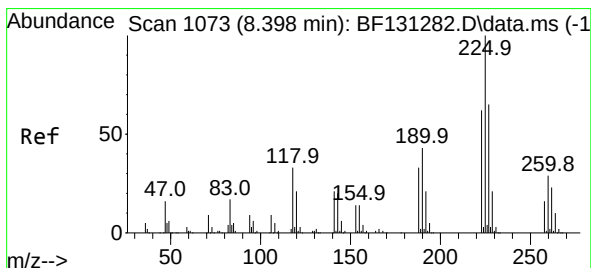
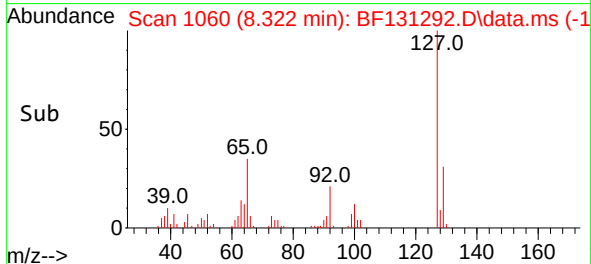
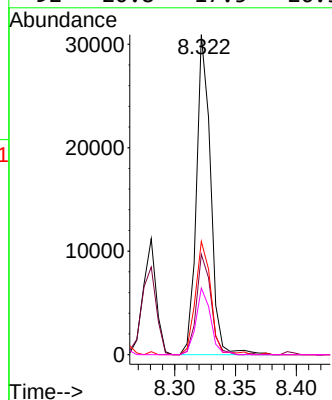
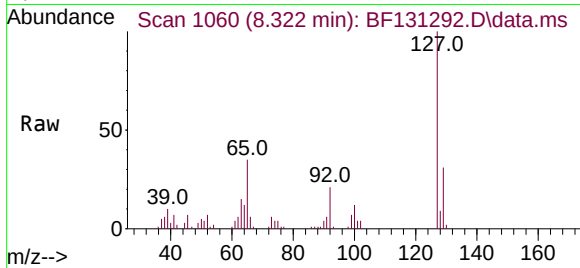
#33
4-Chloroaniline
Concen: 4.122 ng
RT: 8.322 min Scan# 1061
Delta R.T. -0.006 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:127	Resp: 25054
Ion Ratio	Lower Upper
127 100	
129 31.3	26.6 40.0
65 35.4	33.2 49.8
92 20.8	17.5 26.3

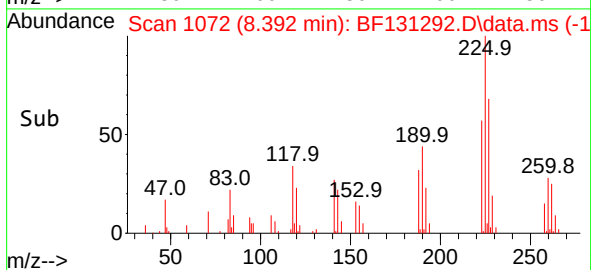
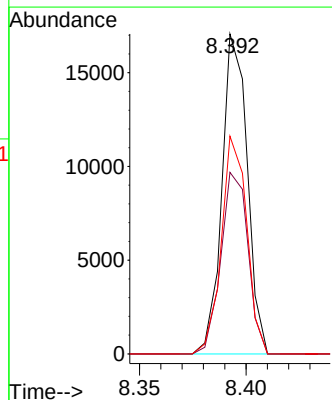
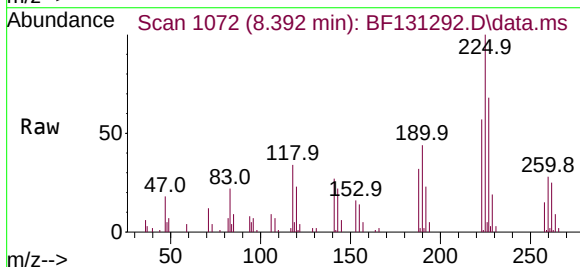
Manual Integrations
APPROVED

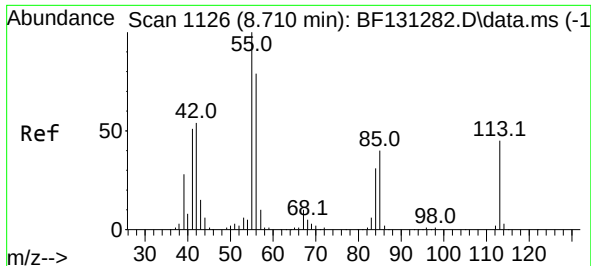
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#34
Hexachlorobutadiene
Concen: 3.946 ng
RT: 8.392 min Scan# 1072
Delta R.T. -0.006 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

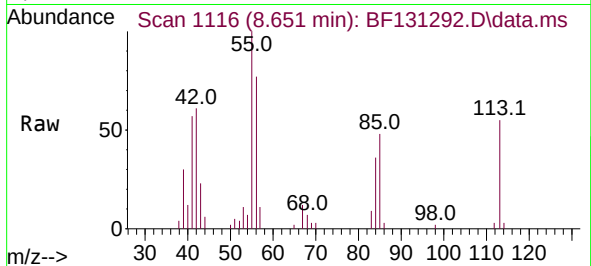
Tgt Ion:225	Resp: 14059
Ion Ratio	Lower Upper
225 100	
223 56.7	49.4 74.2
227 68.0	51.7 77.5





#35
 Caprolactam
 Concen: 3.857 ng
 RT: 8.651 min Scan# 1116
 Delta R.T. -0.059 min
 Lab File: BF131292.D
 Acq: 18 Nov 2022 10:11

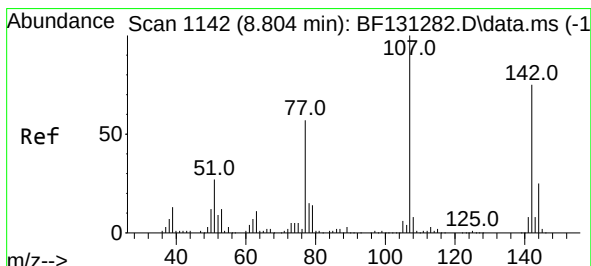
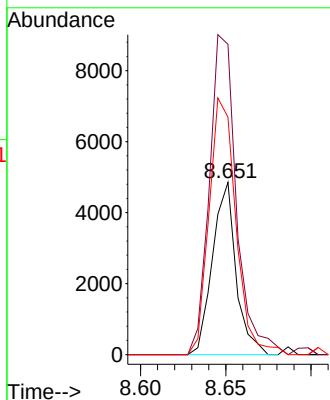
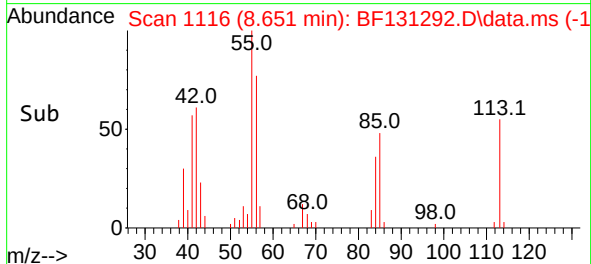
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:113 Resp: 4663
 Ion Ratio Lower Upper
 113 100
 55 180.2 200.6 240.6
 56 137.9 154.5 194.5

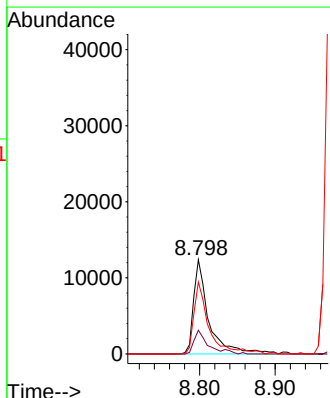
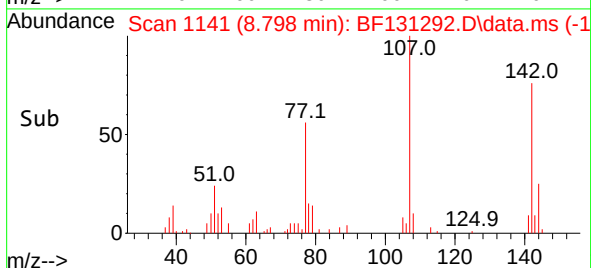
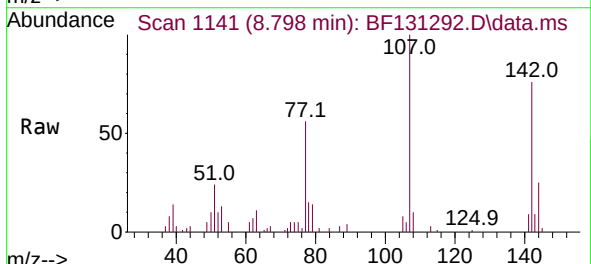
Manual Integrations
 APPROVED

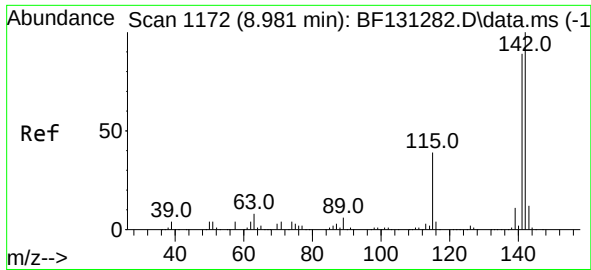
Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022



#36
 4-Chloro-3-methylphenol
 Concen: 3.699 ng m
 RT: 8.798 min Scan# 1141
 Delta R.T. -0.006 min
 Lab File: BF131292.D
 Acq: 18 Nov 2022 10:11

Tgt Ion:107 Resp: 17313
 Ion Ratio Lower Upper
 107 100
 144 25.0 19.6 29.4
 142 76.3 60.1 90.1





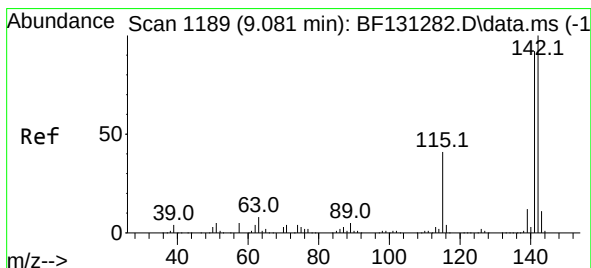
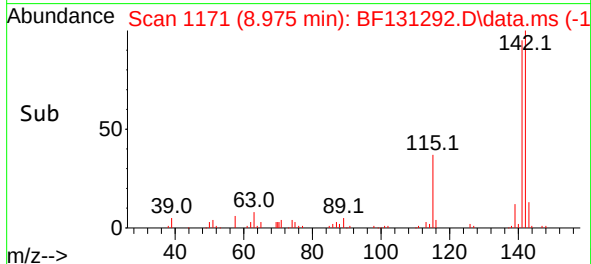
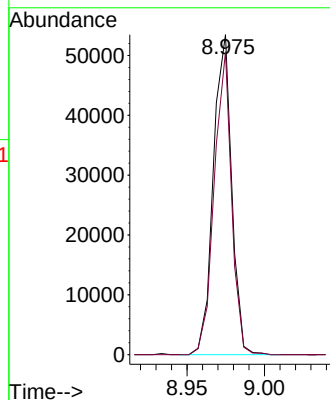
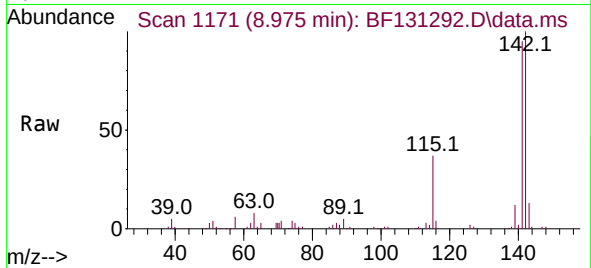
#37
2-Methylnaphthalene
Concen: 4.172 ng
RT: 8.975 min Scan# 1171
Delta R.T. -0.006 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:142 Resp: 43997
Ion Ratio Lower Upper
142 100
141 94.6 71.4 107.2

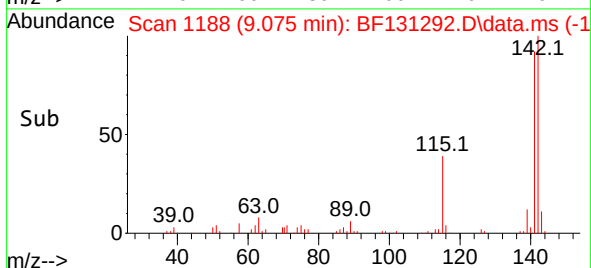
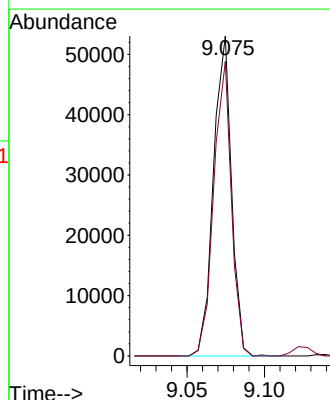
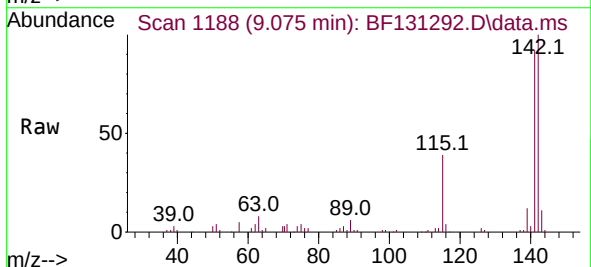
Manual Integrations
APPROVED

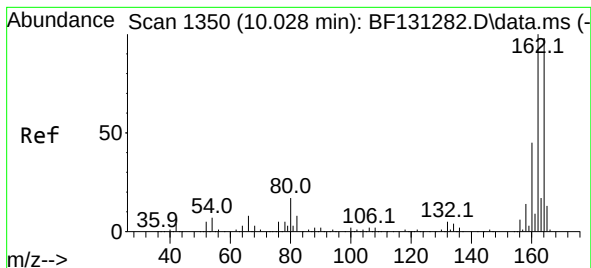
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#38
1-Methylnaphthalene
Concen: 4.213 ng
RT: 9.075 min Scan# 1188
Delta R.T. -0.006 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

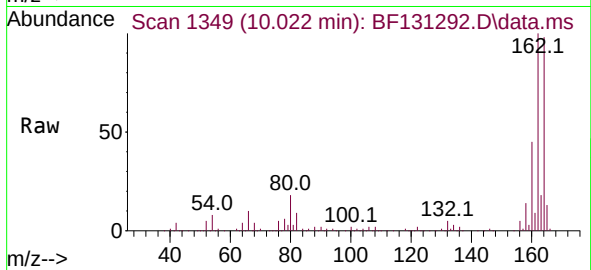
Tgt Ion:142 Resp: 43047
Ion Ratio Lower Upper
142 100
141 92.0 74.0 111.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.022 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

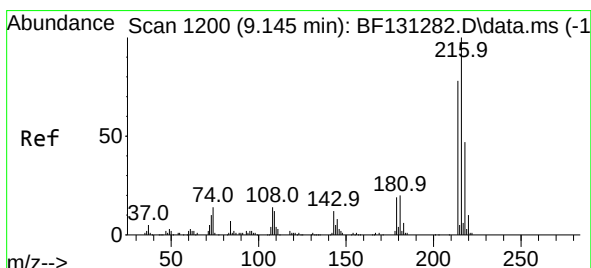
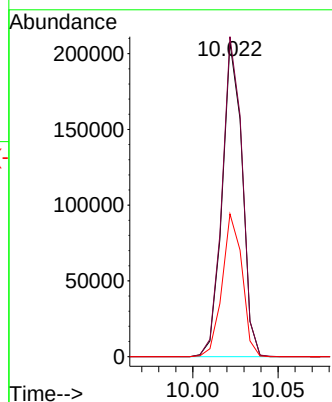
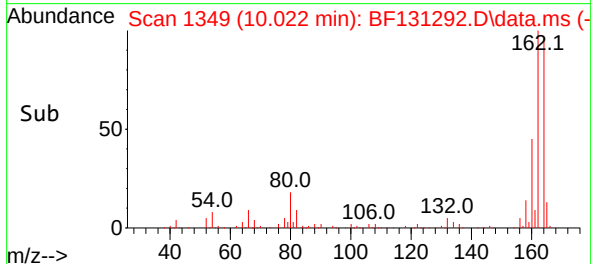
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



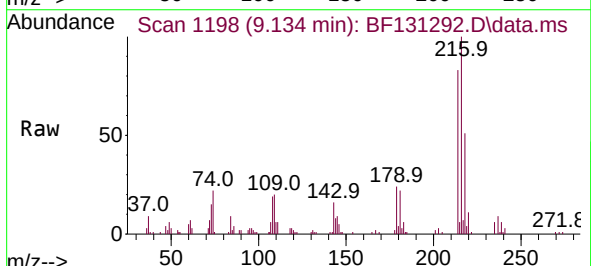
Tgt Ion:164 Resp: 168472
Ion Ratio Lower Upper
164 100
162 101.8 81.8 122.6
160 45.4 36.6 54.8

Manual Integrations
APPROVED

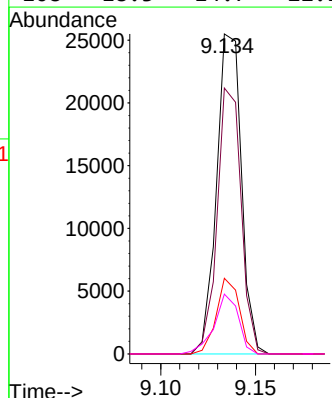
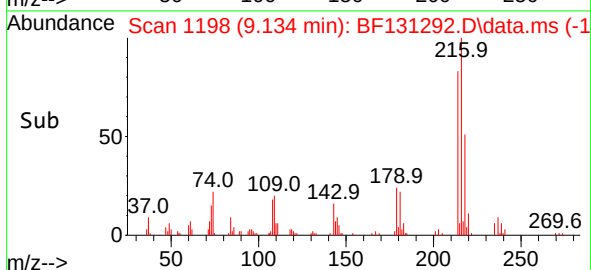
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

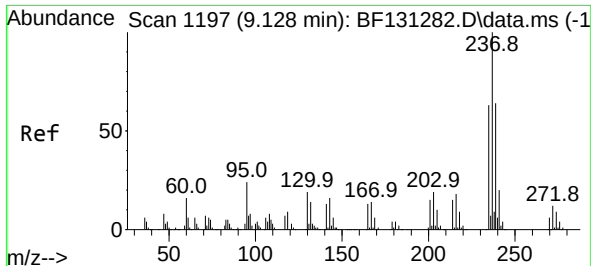


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.225 ng
RT: 9.134 min Scan# 1198
Delta R.T. -0.012 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11



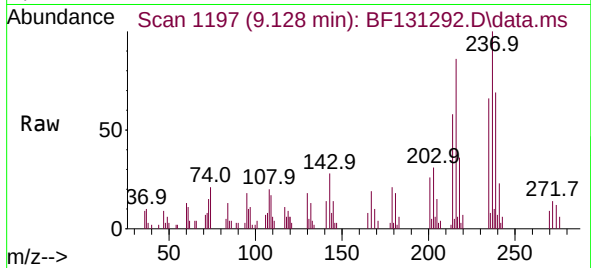
Tgt Ion:216 Resp: 23292
Ion Ratio Lower Upper
216 100
214 80.2 62.5 93.7
179 21.9 16.7 25.1
108 18.3 14.7 22.1





#41
Hexachlorocyclopentadiene
Concen: 3.634 ng
RT: 9.128 min Scan# 1197
Delta R.T. -0.000 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

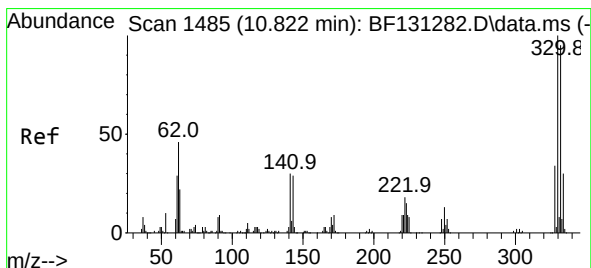
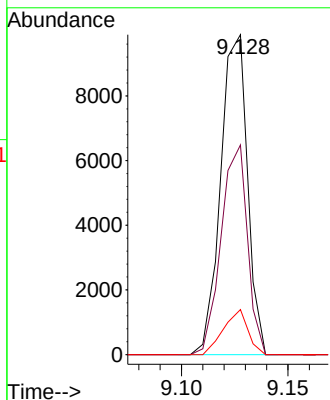
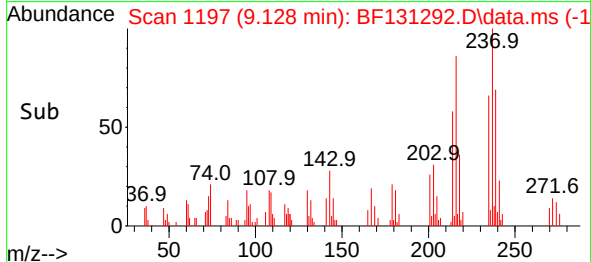
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



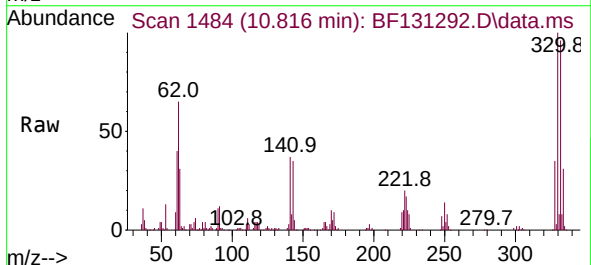
Tgt Ion:237 Resp: 866
Ion Ratio Lower Upper
237 100
235 65.5 42.7 82.7
272 14.1 0.0 31.6

Manual Integrations
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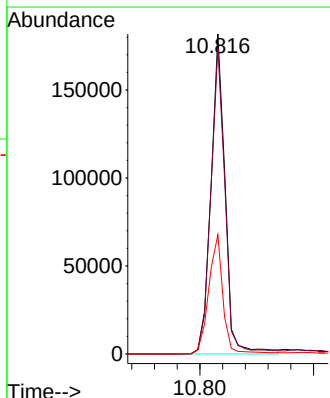
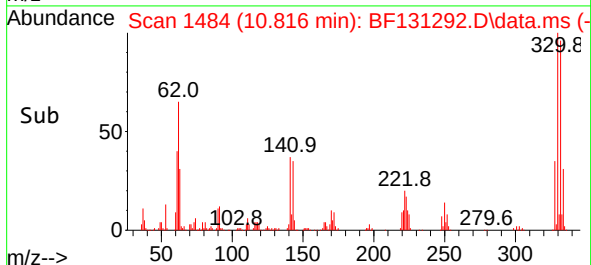
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

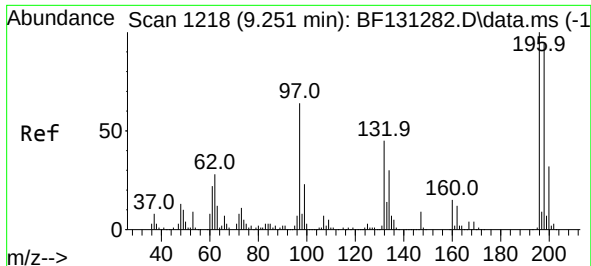


#42
2,4,6-Tribromophenol
Concen: 104.882 ng
RT: 10.816 min Scan# 1484
Delta R.T. -0.006 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11



Tgt Ion:330 Resp: 157295
Ion Ratio Lower Upper
330 100
332 96.4 75.4 113.0
141 37.7 30.0 45.0





#43

2,4,6-Trichlorophenol

Concen: 2.875 ng

RT: 9.245 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF131292.D

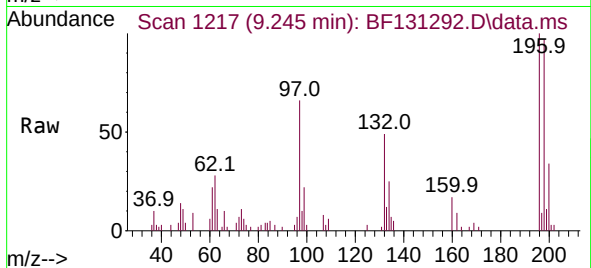
Acq: 18 Nov 2022 10:11

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022



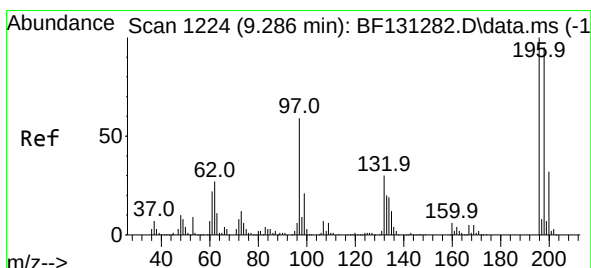
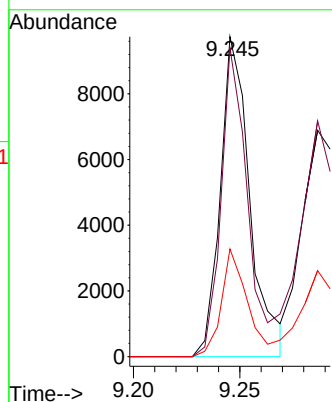
Tgt Ion:196	Resp:	9424
Ion Ratio	Lower	Upper
196	100	
198	96.5	74.8 112.2
200	33.6	25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#44

2,4,5-Trichlorophenol

Concen: 3.958 ng

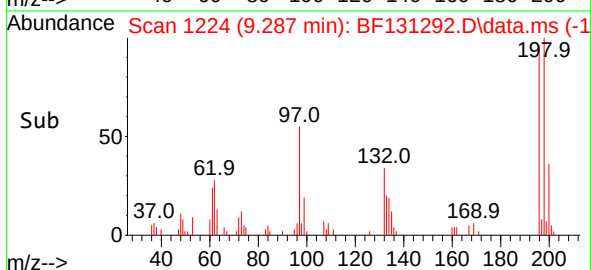
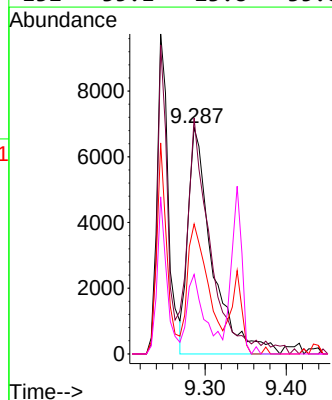
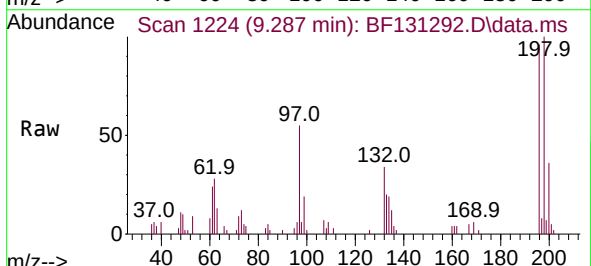
RT: 9.287 min Scan# 1224

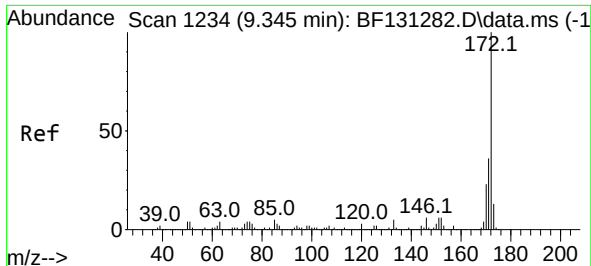
Delta R.T. 0.000 min

Lab File: BF131292.D

Acq: 18 Nov 2022 10:11

Tgt Ion:196	Resp:	14134
Ion Ratio	Lower	Upper
196	100	
198	104.2	75.6 113.4
97	57.3	47.4 71.0
132	35.1	23.8 35.8





#45

2-Fluorobiphenyl

Concen: 76.600 ng

RT: 9.339 min Scan# 1233

Delta R.T. -0.006 min

Lab File: BF131292.D

Acq: 18 Nov 2022 10:11

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

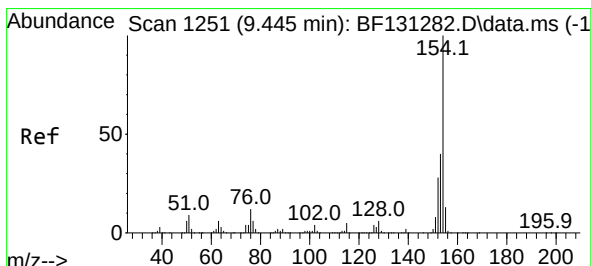
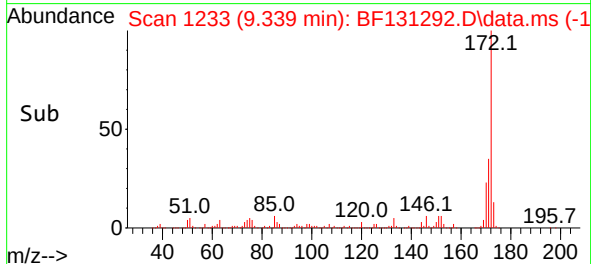
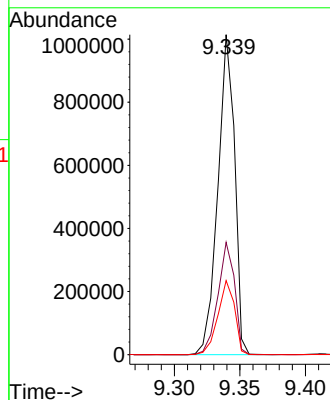
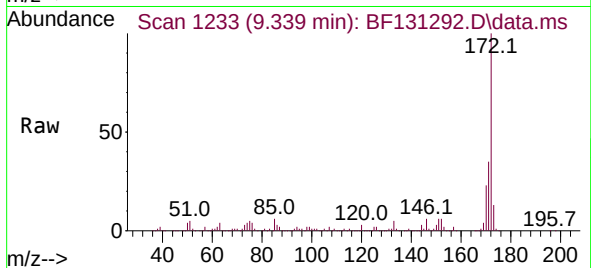
Tgt Ion:172 Resp: 903548

Ion	Ratio	Lower	Upper
172	100		
171	35.1	28.5	42.7
170	23.1	18.5	27.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#46

1,1'-Biphenyl

Concen: 4.526 ng

RT: 9.439 min Scan# 1250

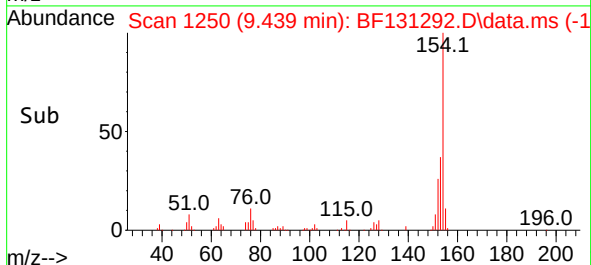
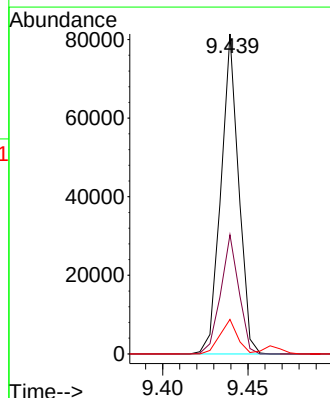
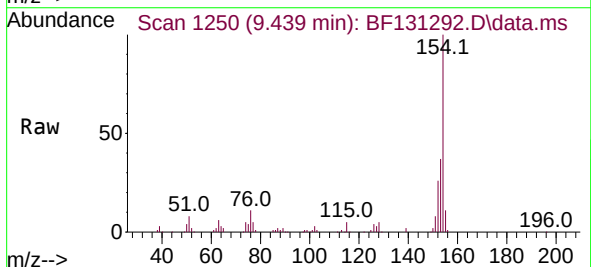
Delta R.T. -0.006 min

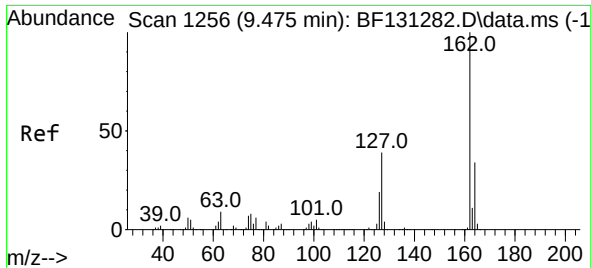
Lab File: BF131292.D

Acq: 18 Nov 2022 10:11

Tgt Ion:154 Resp: 58878

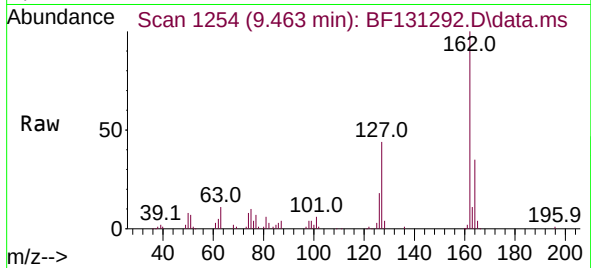
Ion	Ratio	Lower	Upper
154	100		
153	37.2	20.1	60.1
76	10.8	0.0	31.8





#47
2-Chloronaphthalene
Concen: 4.135 ng
RT: 9.463 min Scan# 1256
Delta R.T. -0.012 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

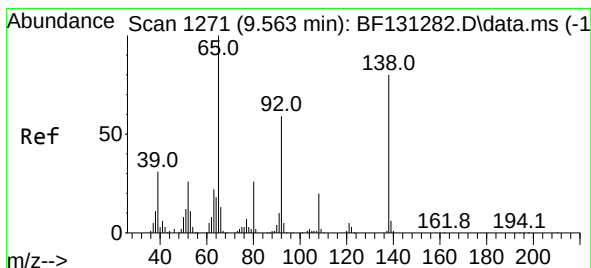
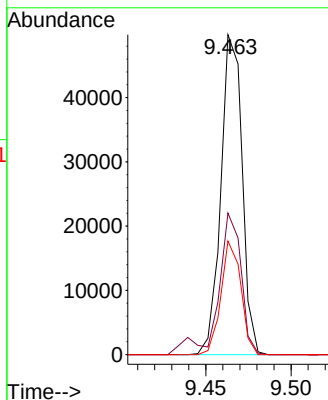
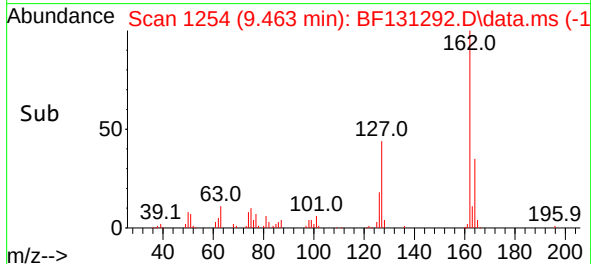
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:162 Resp: 4319
Ion Ratio Lower Upper
162 100
127 44.2 31.1 46.7
164 35.5 26.9 40.3

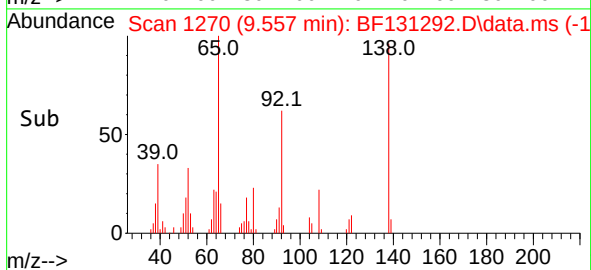
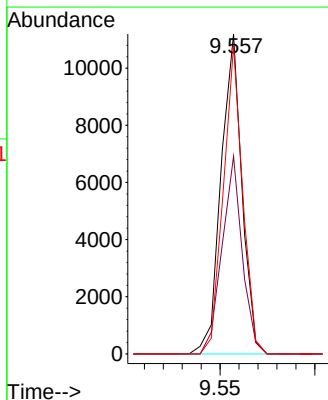
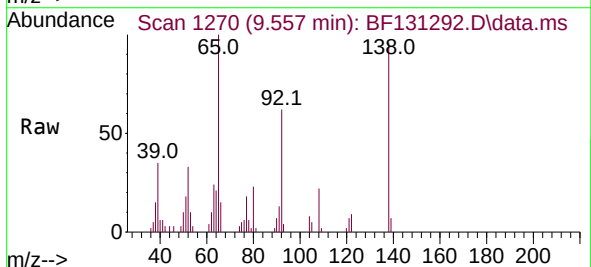
Manual Integrations
APPROVED

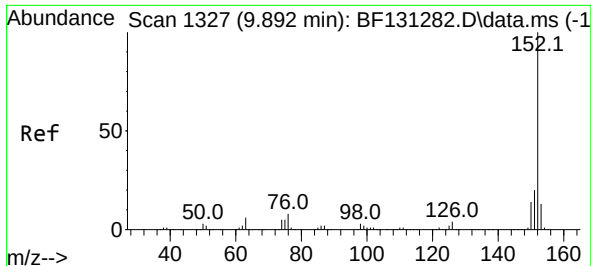
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#48
2-Nitroaniline
Concen: 2.961 ng
RT: 9.557 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

Tgt Ion: 65 Resp: 8548
Ion Ratio Lower Upper
65 100
92 61.8 47.2 70.8
138 96.4 64.2 96.4#





#49

Acenaphthylene

Concen: 4.199 ng

RT: 9.881 min Scan# 1325

Delta R.T. -0.011 min

Lab File: BF131292.D

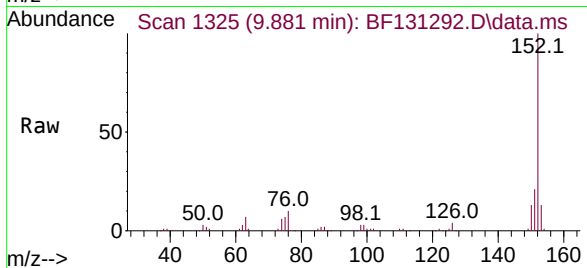
Acq: 18 Nov 2022 10:11

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022



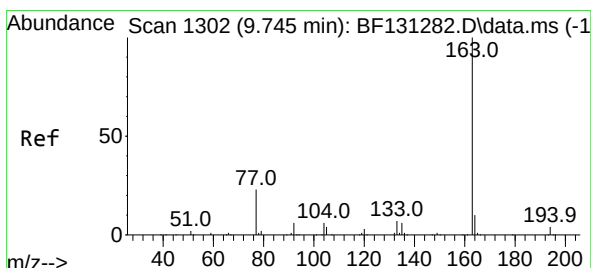
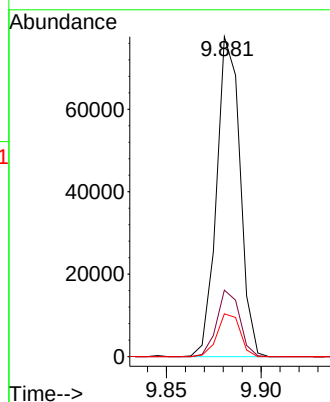
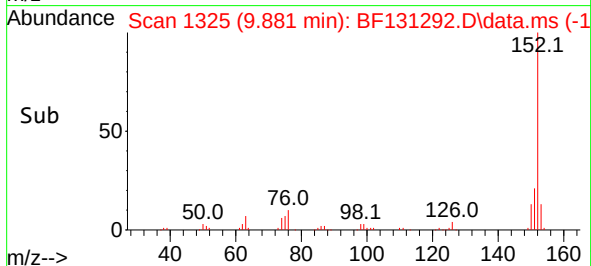
Tgt Ion:	152	Resp:	67002
Ion Ratio	Lower	Upper	
152	100		
151	20.8	15.9	23.9
153	13.4	10.4	15.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#50

Dimethylphthalate

Concen: 4.230 ng

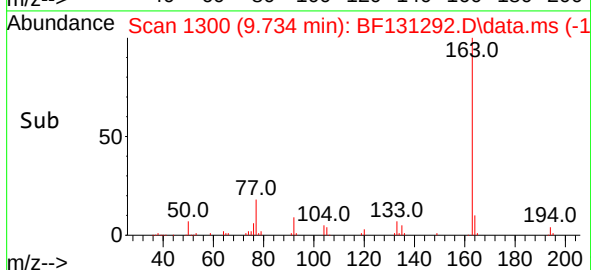
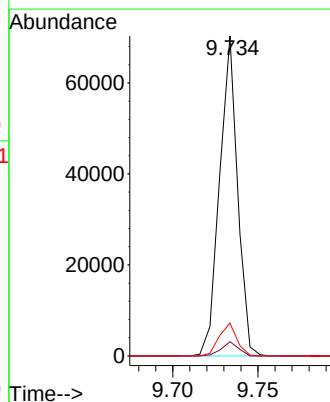
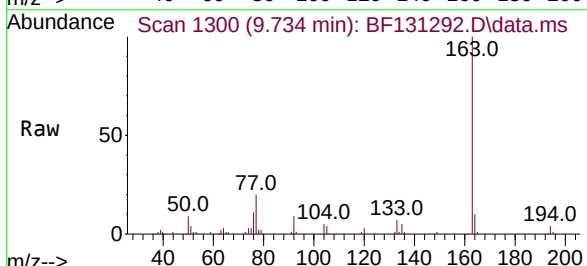
RT: 9.734 min Scan# 1300

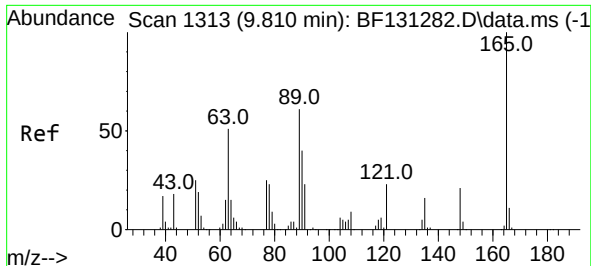
Delta R.T. -0.011 min

Lab File: BF131292.D

Acq: 18 Nov 2022 10:11

Tgt Ion:	163	Resp:	51605
Ion Ratio	Lower	Upper	
163	100		
194	4.4	3.1	4.7
164	10.2	8.4	12.6





#51

2,6-Dinitrotoluene

Concen: 3.323 ng

RT: 9.798 min Scan# 1311

Delta R.T. -0.012 min

Lab File: BF131292.D

Acq: 18 Nov 2022 10:11

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

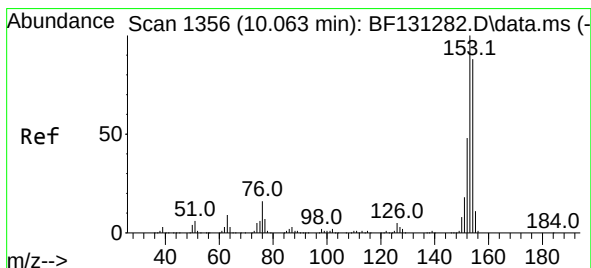
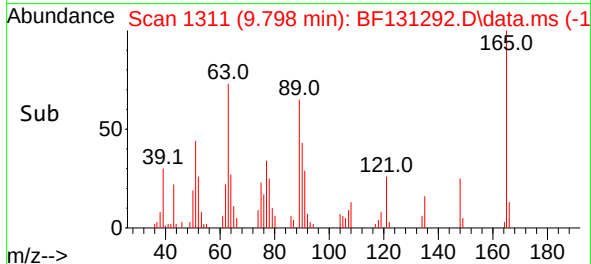
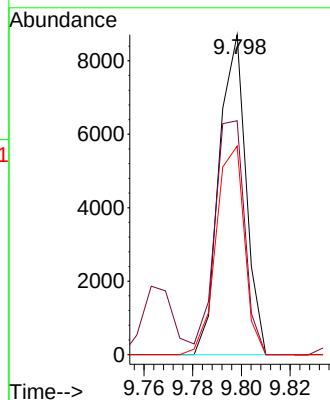
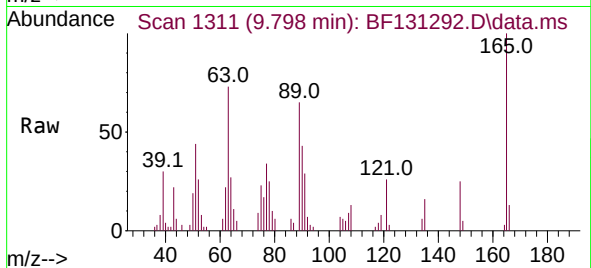
Tgt Ion:165	Resp:	6659
Ion Ratio	Lower	Upper
165	100	
63	73.1	53.3 79.9
89	65.2	49.4 74.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#52

Acenaphthene

Concen: 4.071 ng

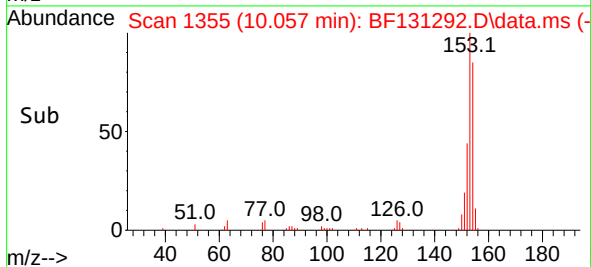
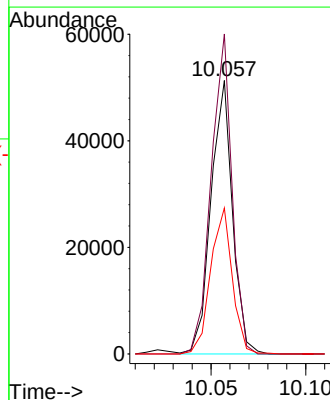
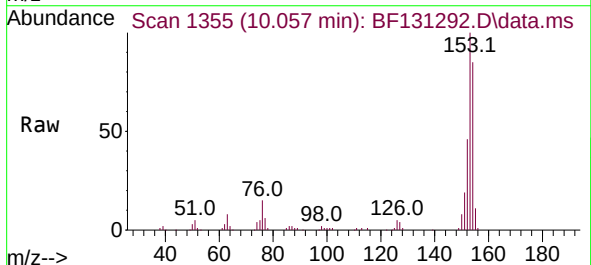
RT: 10.057 min Scan# 1355

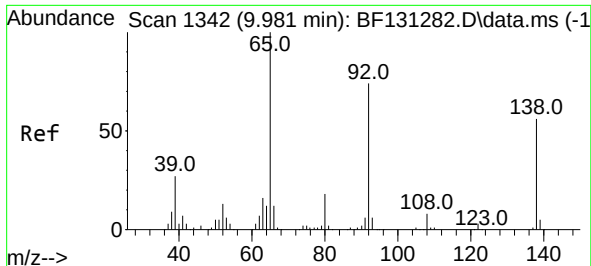
Delta R.T. -0.006 min

Lab File: BF131292.D

Acq: 18 Nov 2022 10:11

Tgt Ion:154	Resp:	40531
Ion Ratio	Lower	Upper
154	100	
153	117.1	90.7 136.1
152	53.3	43.1 64.7





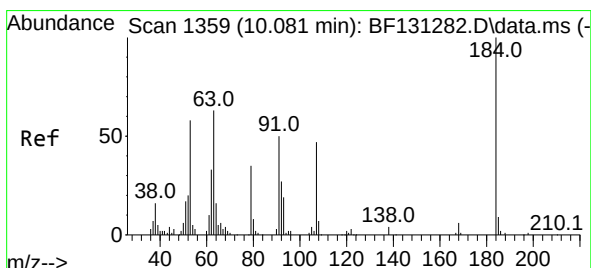
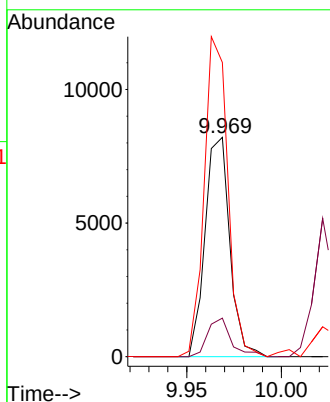
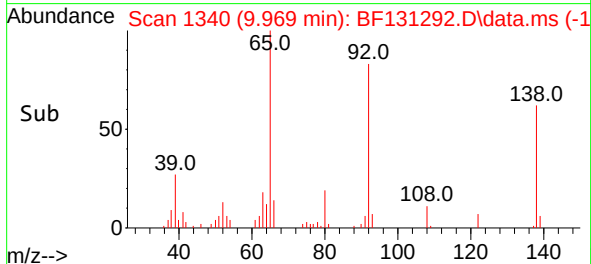
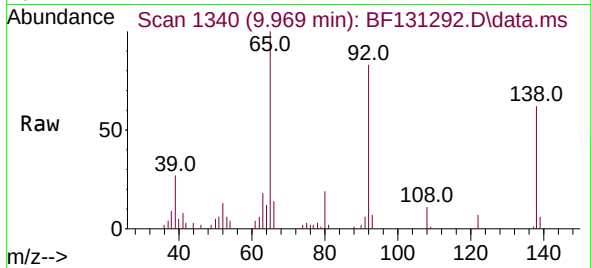
#53
3-Nitroaniline
Concen: 3.518 ng
RT: 9.969 min Scan# 1342
Delta R.T. -0.012 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:138 Resp: 7460
Ion Ratio Lower Upper
138 100
108 17.5 11.1 16.7
92 134.2 105.4 158.2

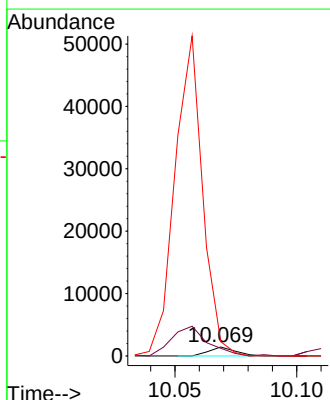
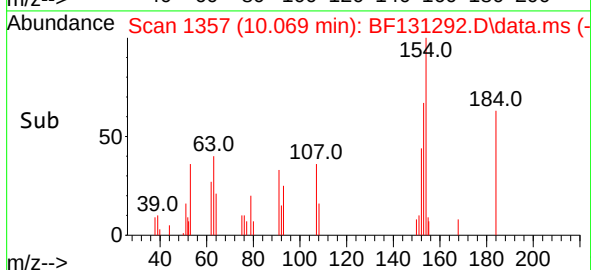
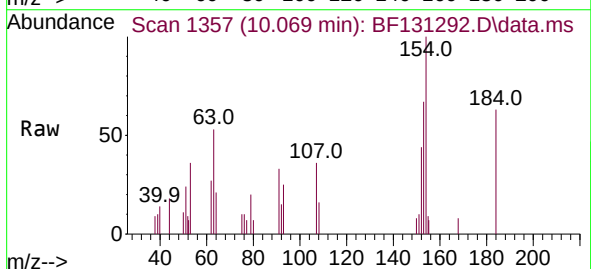
Manual Integrations
APPROVED

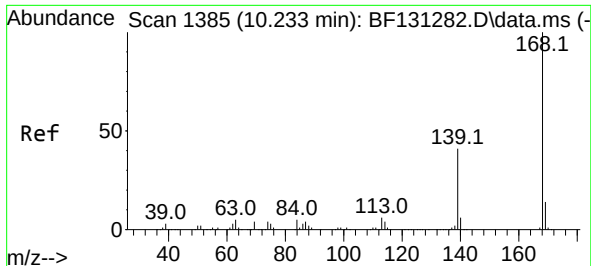
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#54
2,4-Dinitrophenol
Concen: 1.505 ng
RT: 10.069 min Scan# 1357
Delta R.T. -0.012 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

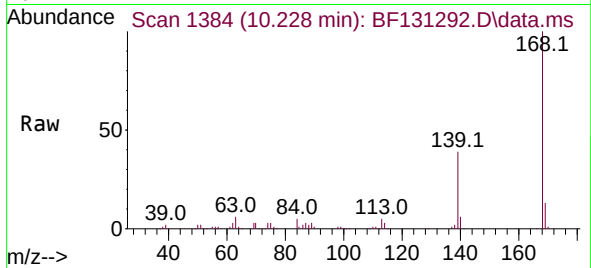
Tgt Ion:184 Resp: 1062
Ion Ratio Lower Upper
184 100
63 84.2 64.8 97.2
154 158.2 58.0 87.0#





#55
Dibenzofuran
Concen: 4.411 ng
RT: 10.228 min Scan# 1384
Delta R.T. -0.005 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

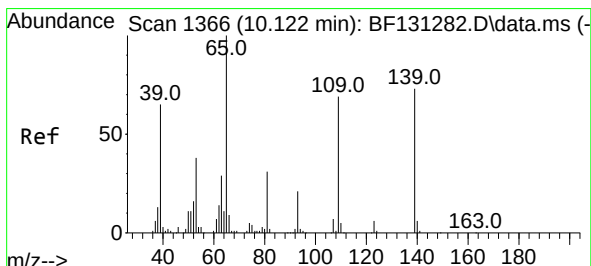
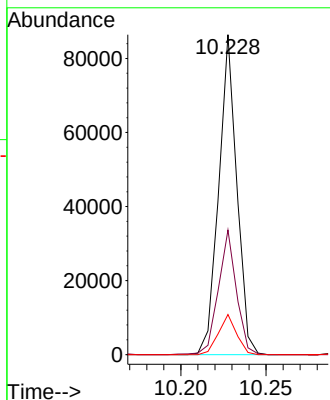
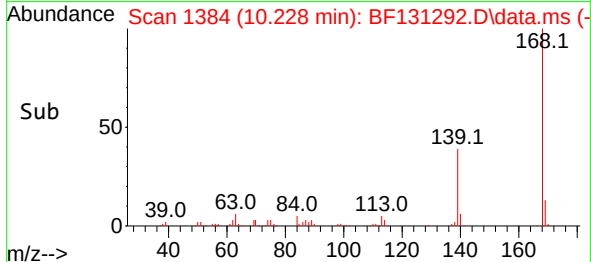
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:168 Resp: 63673
Ion Ratio Lower Upper
168 100
139 39.0 33.2 49.8
169 12.5 11.0 16.4

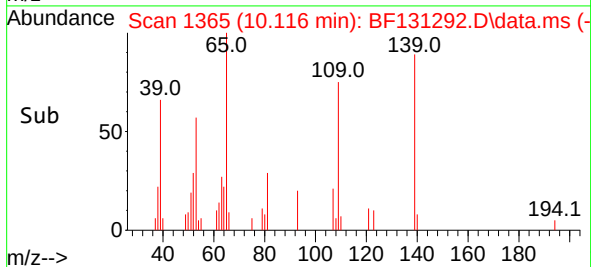
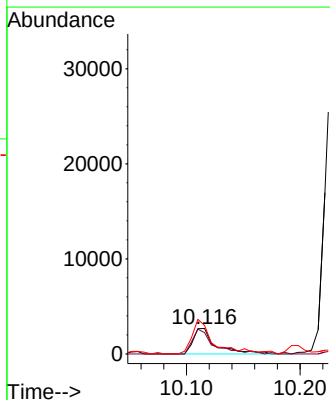
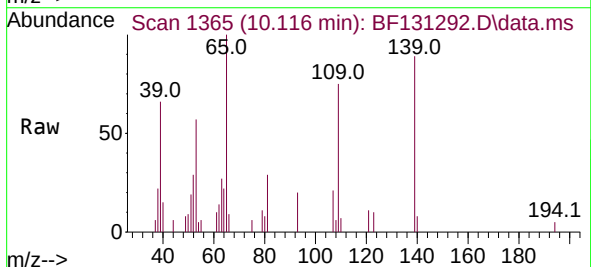
Manual Integrations
APPROVED

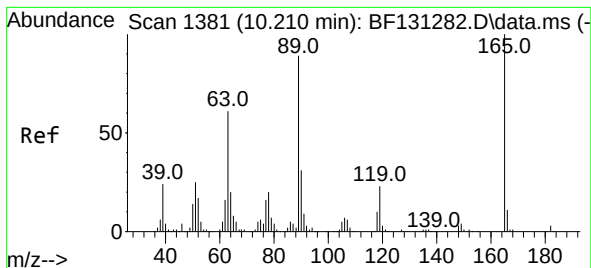
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#56
4-Nitrophenol
Concen: 2.282 ng
RT: 10.116 min Scan# 1365
Delta R.T. -0.006 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

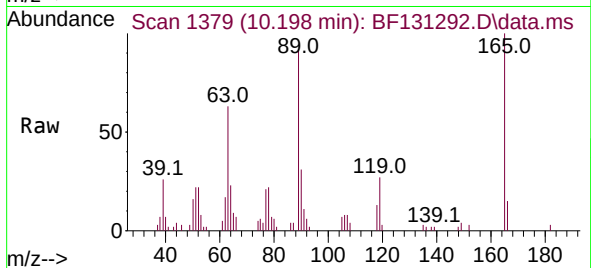
Tgt Ion:139 Resp: 3642
Ion Ratio Lower Upper
139 100
109 83.6 74.2 114.2
65 111.9 116.8 156.8#





#57
2,4-Dinitrotoluene
Concen: 2.884 ng
RT: 10.198 min Scan# 1381
Delta R.T. -0.012 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

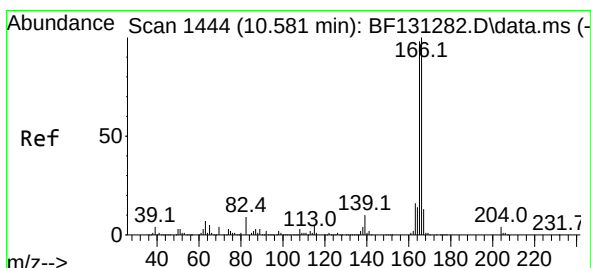
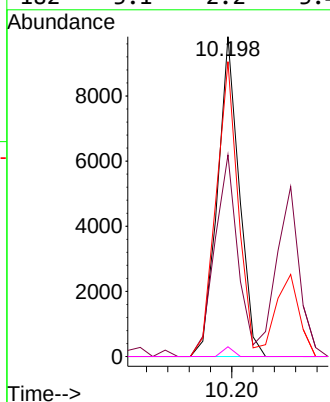
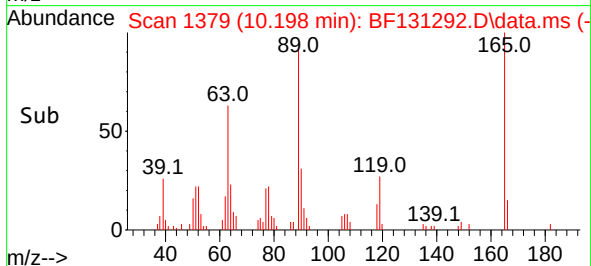
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



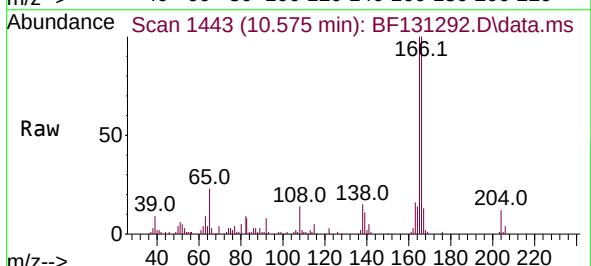
Tgt Ion:165 Resp: 698
Ion Ratio Lower Upper
165 100
63 63.0 49.0 73.6
89 92.2 71.1 106.7
182 3.1 2.2 3.4

Manual Integrations
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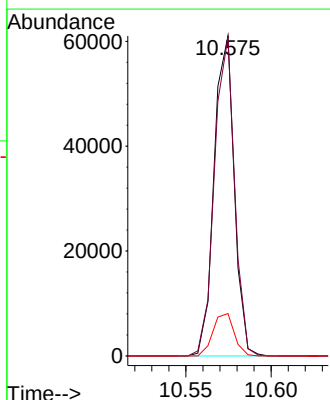
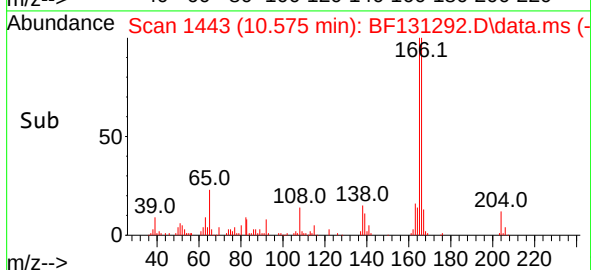
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

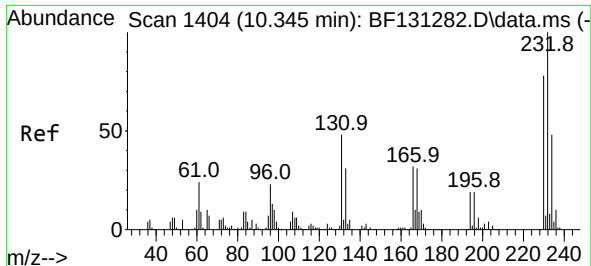


#58
Fluorene
Concen: 4.364 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11



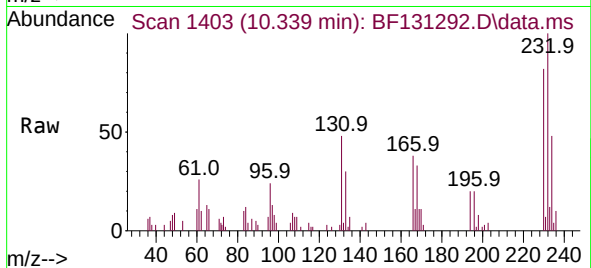
Tgt Ion:166 Resp: 50026
Ion Ratio Lower Upper
166 100
165 99.6 78.2 117.2
167 13.2 10.6 15.8





#59
2,3,4,6-Tetrachlorophenol
Concen: 2.978 ng
RT: 10.339 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

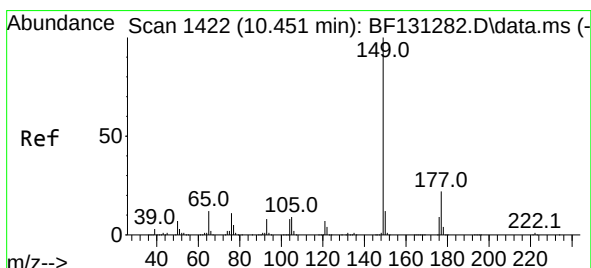
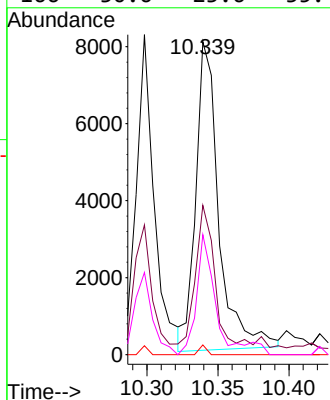
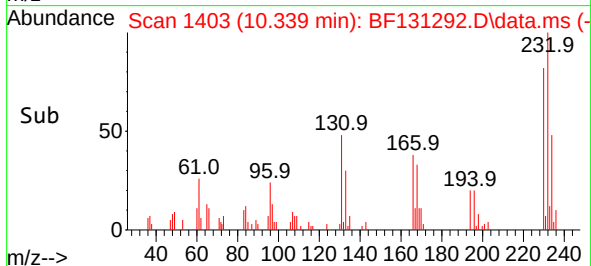
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:232 Resp: 9008
Ion Ratio Lower Upper
232 100
131 36.6 36.0 54.0
130 1.0 1.8 2.6
166 30.6 23.6 35.4

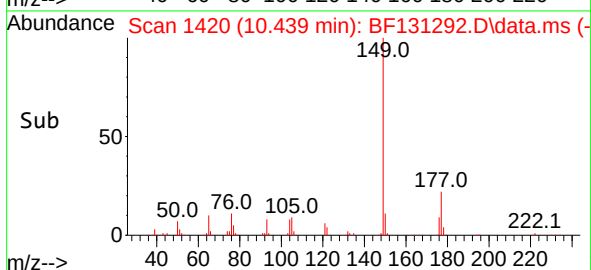
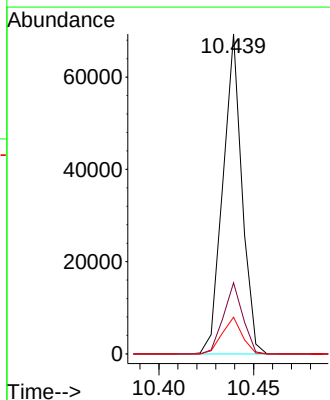
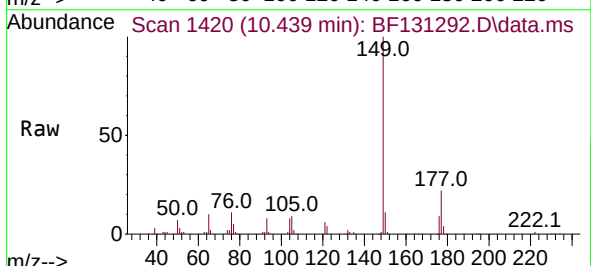
Manual Integrations
APPROVED

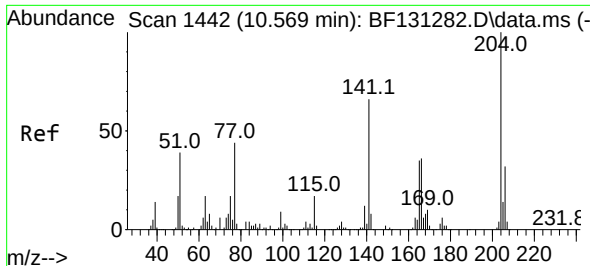
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#60
Diethylphthalate
Concen: 4.164 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.012 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

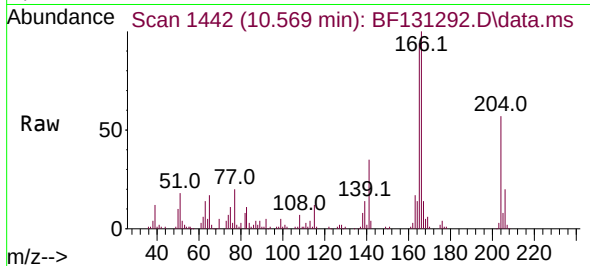
Tgt Ion:149 Resp: 48462
Ion Ratio Lower Upper
149 100
177 22.2 17.9 26.9
150 11.5 9.8 14.6





#61
4-Chlorophenyl-phenylether
Concen: 4.407 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.000 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

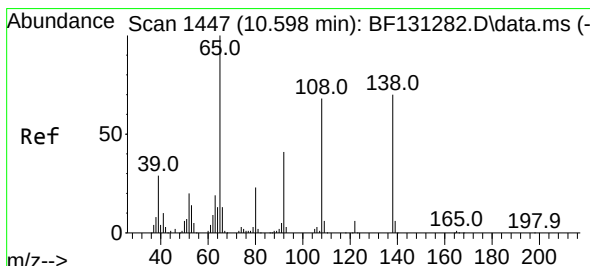
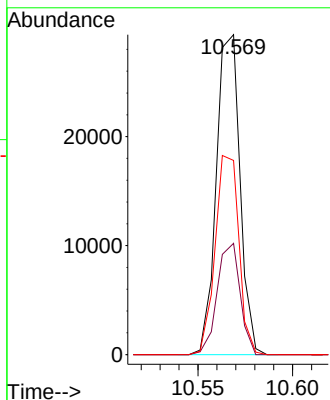
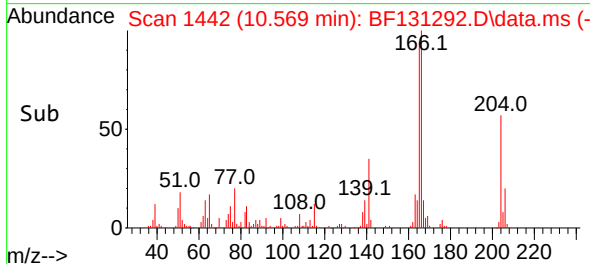
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:204 Resp: 25610
Ion Ratio Lower Upper
204 100
206 34.8 25.7 38.5
141 60.7 53.1 79.7

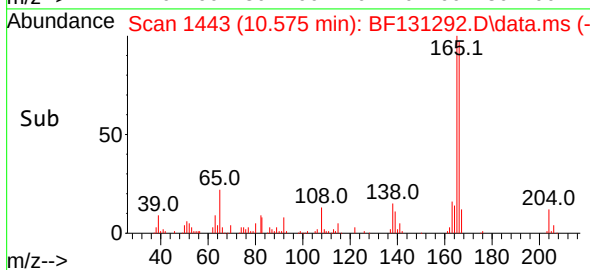
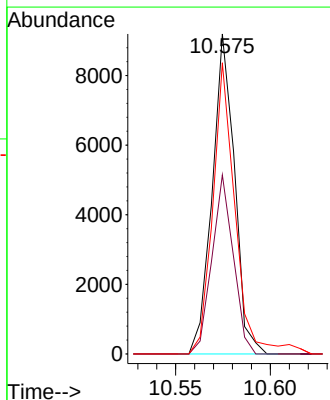
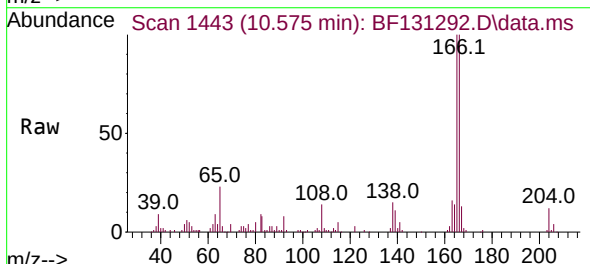
Manual Integrations
APPROVED

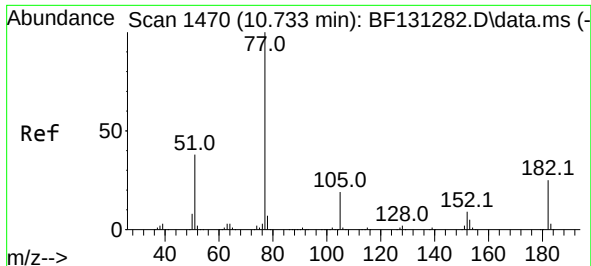
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#62
4-Nitroaniline
Concen: 3.486 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.023 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

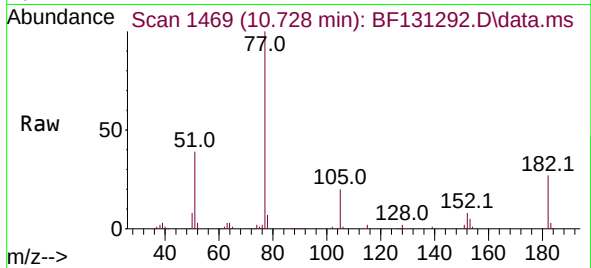
Tgt Ion:138 Resp: 7510
Ion Ratio Lower Upper
138 100
92 55.9 37.5 77.5
108 91.0 76.3 116.3





#63
Azobenzene
Concen: 4.072 ng
RT: 10.728 min Scan# 1470
Delta R.T. -0.006 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

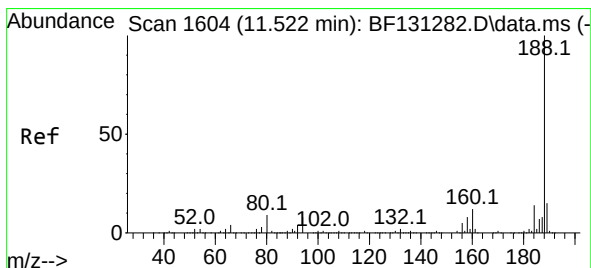
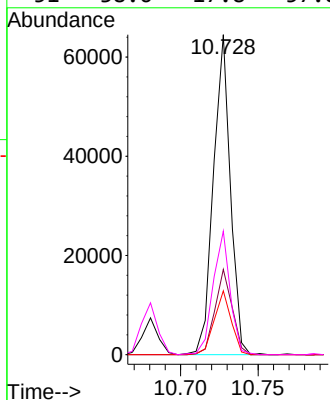
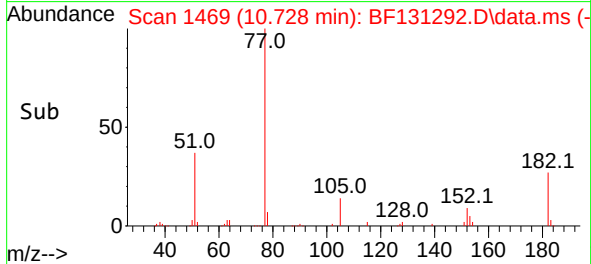
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



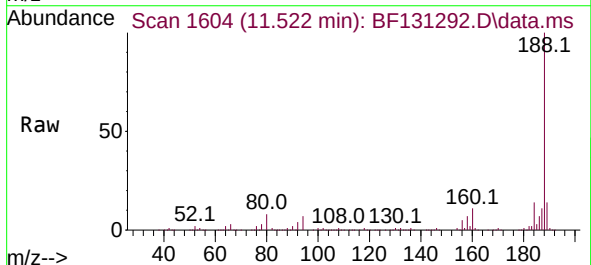
Tgt Ion: 77 Resp: 49226
Ion Ratio Lower Upper
77 100
182 26.6 5.0 45.0
105 19.9 0.0 39.5
51 38.6 17.8 57.8

Manual Integrations
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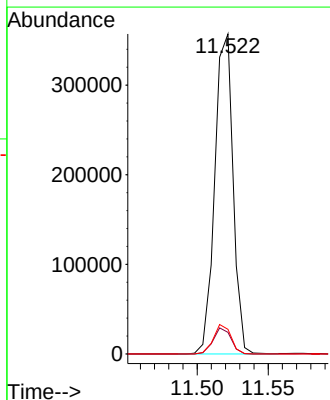
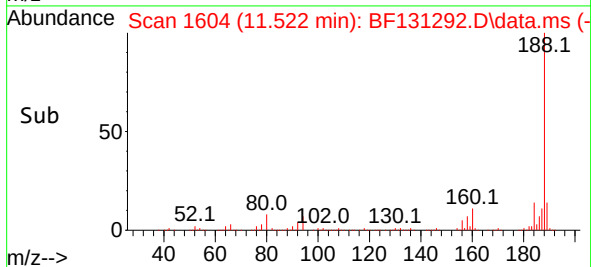
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

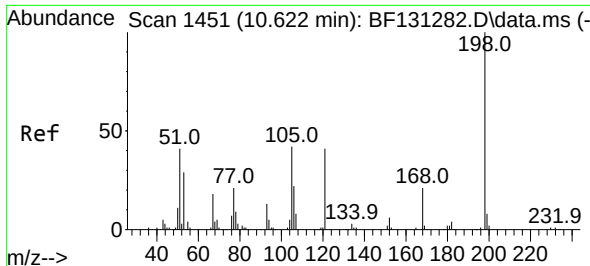


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.522 min Scan# 1604
Delta R.T. -0.000 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11



Tgt Ion:188 Resp: 320169
Ion Ratio Lower Upper
188 100
94 6.7 6.5 9.7
80 7.7 7.2 10.8





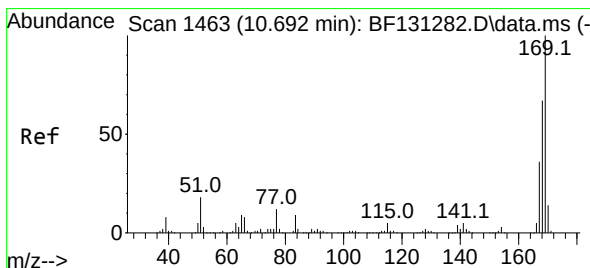
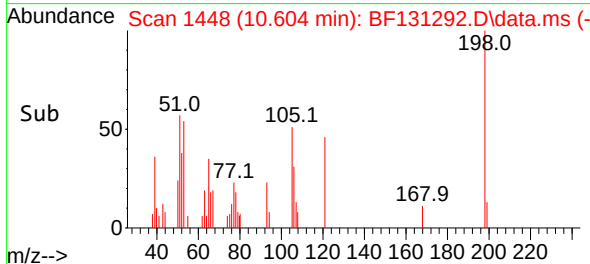
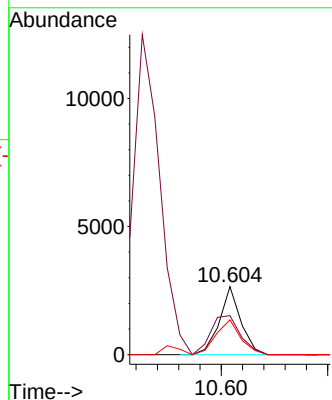
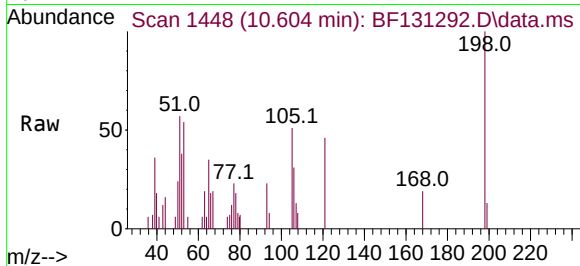
#65
4,6-Dinitro-2-methylphenol
Concen: 1.668 ng
RT: 10.604 min Scan# 1448
Delta R.T. -0.018 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:198 Resp: 185
Ion Ratio Lower Upper
198 100
51 57.3 35.7 75.7
105 51.3 23.3 63.3

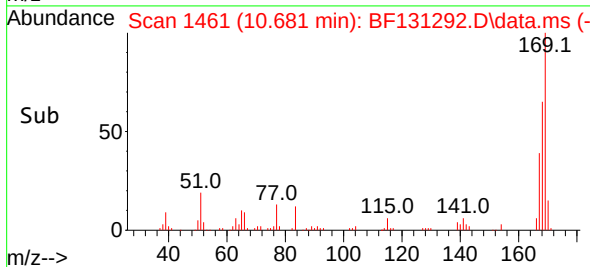
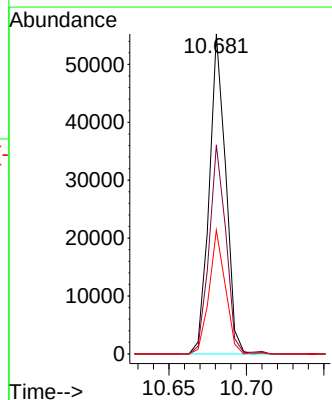
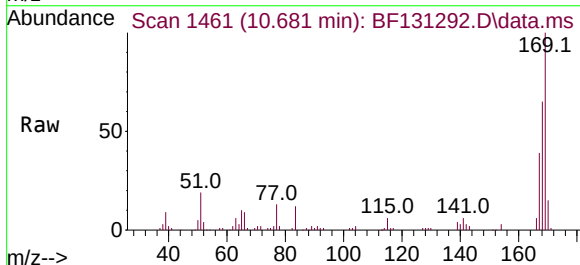
Manual Integrations
APPROVED

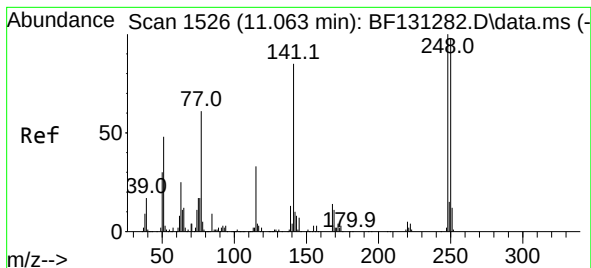
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#66
n-Nitrosodiphenylamine
Concen: 3.947 ng
RT: 10.681 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

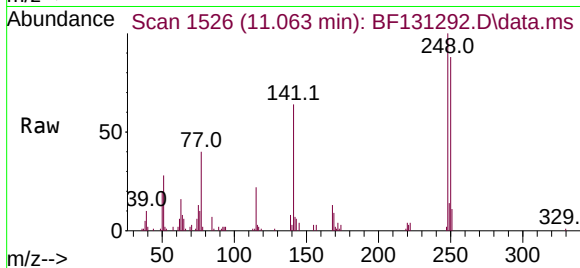
Tgt Ion:169 Resp: 40727
Ion Ratio Lower Upper
169 100
168 65.3 53.8 80.6
167 38.7 28.9 43.3





#67
4-Bromophenyl-phenylether
Concen: 4.051 ng
RT: 11.063 min Scan# 1526
Delta R.T. 0.000 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

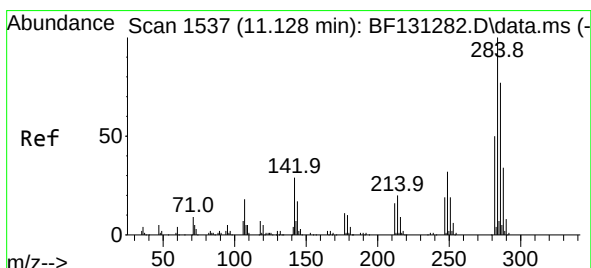
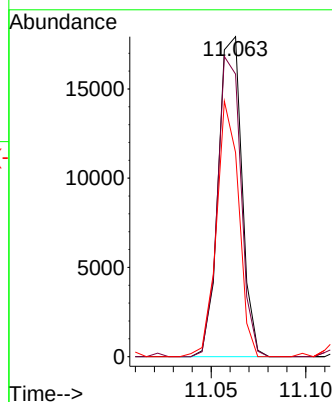
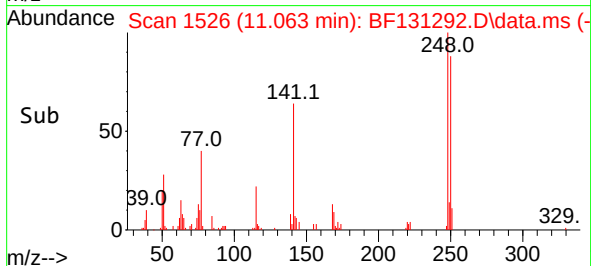
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



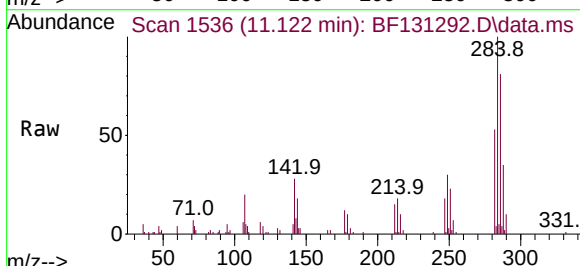
Tgt Ion:248 Resp: 1556
Ion Ratio Lower Upper
248 100
250 88.3 78.3 117.5
141 63.8 67.6 101.4

Manual Integrations
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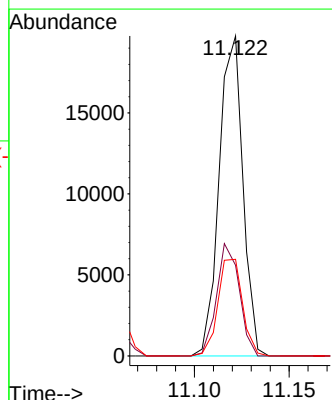
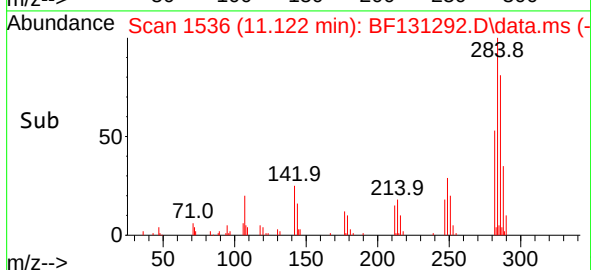
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

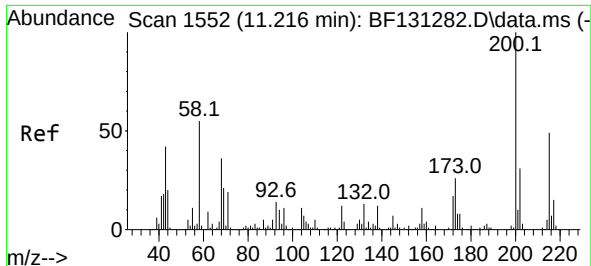


#68
Hexachlorobenzene
Concen: 4.138 ng
RT: 11.122 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11



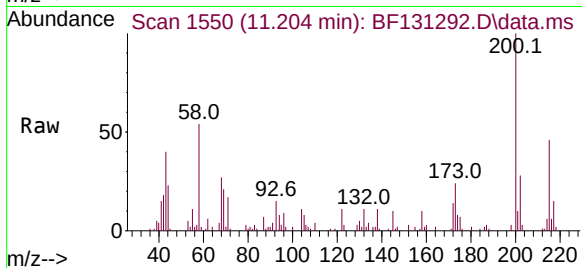
Tgt Ion:284 Resp: 17249
Ion Ratio Lower Upper
284 100
142 28.4 23.4 35.2
249 32.8 25.7 38.5





#69
 Atrazine
 Concen: 4.493 ng
 RT: 11.204 min Scan# 1550
 Delta R.T. -0.012 min
 Lab File: BF131292.D
 Acq: 18 Nov 2022 10:11

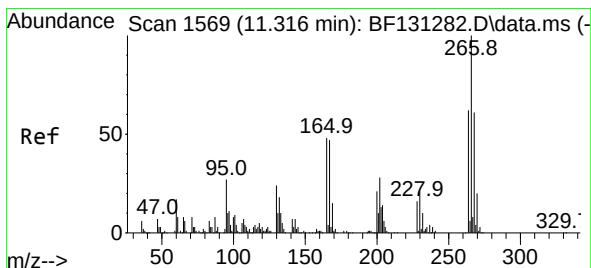
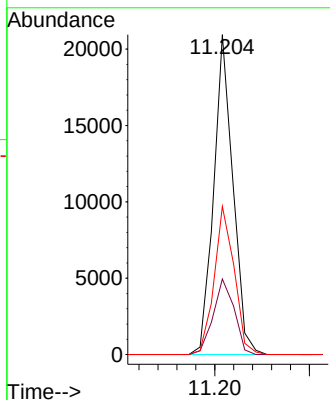
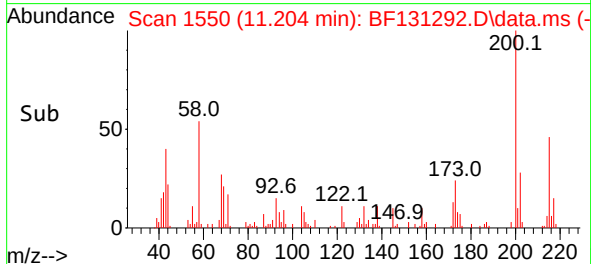
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:200 Resp: 1478
 Ion Ratio Lower Upper
 200 100
 173 23.6 6.0 46.0
 215 46.3 29.0 69.0

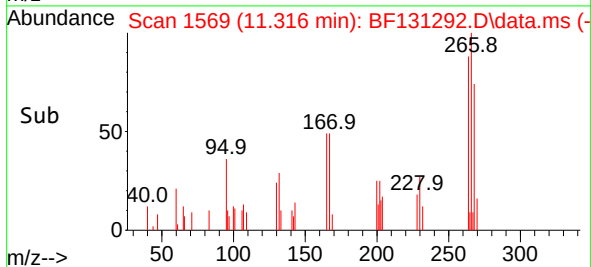
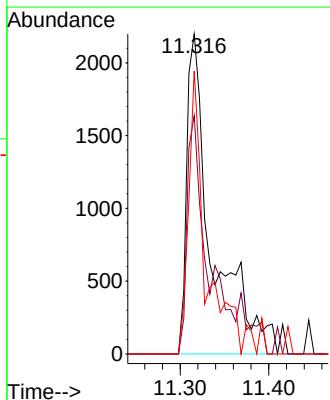
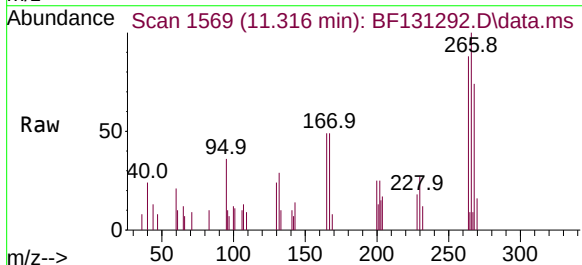
Manual Integrations
 APPROVED

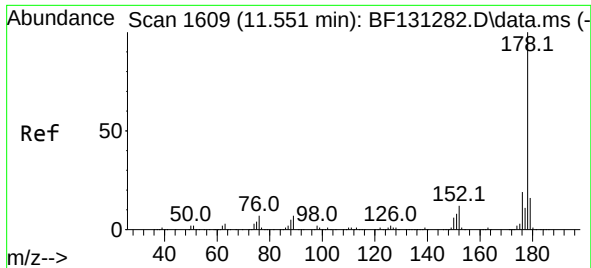
Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022



#70
 Pentachlorophenol
 Concen: 1.964 ng m
 RT: 11.316 min Scan# 1569
 Delta R.T. -0.000 min
 Lab File: BF131292.D
 Acq: 18 Nov 2022 10:11

Tgt Ion:266 Resp: 4374
 Ion Ratio Lower Upper
 266 100
 268 74.5 49.0 73.4#
 264 88.4 49.7 74.5#





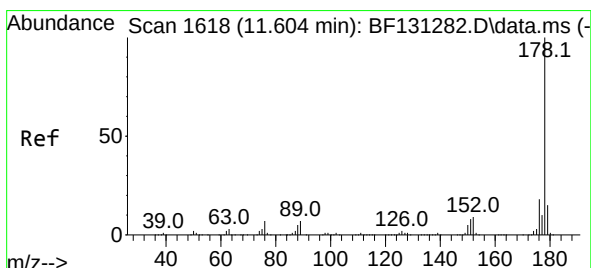
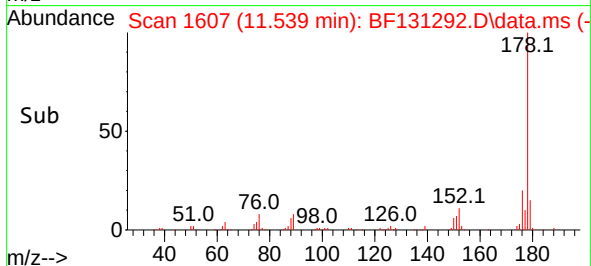
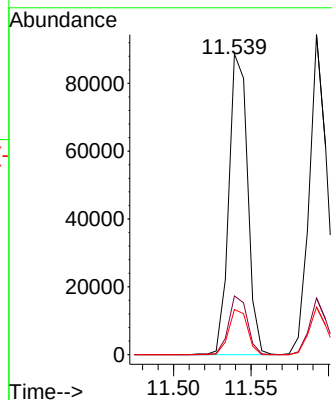
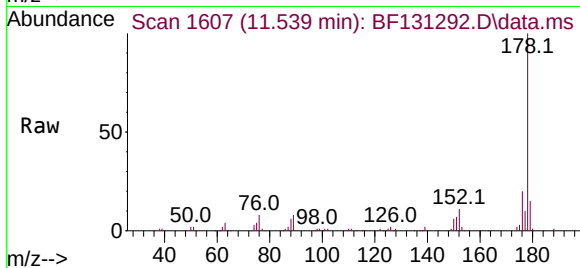
#71
Phenanthrene
Concen: 4.208 ng
RT: 11.539 min Scan# 1609
Delta R.T. -0.012 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:178 Resp: 74497
Ion Ratio Lower Upper
178 100
176 19.5 15.5 23.3
179 15.0 12.4 18.6

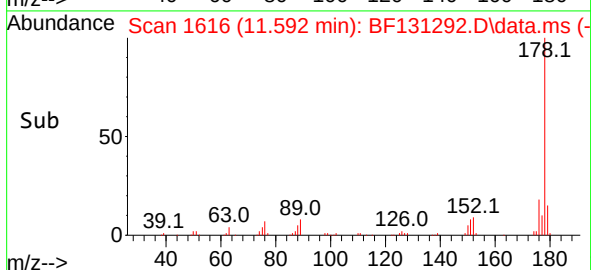
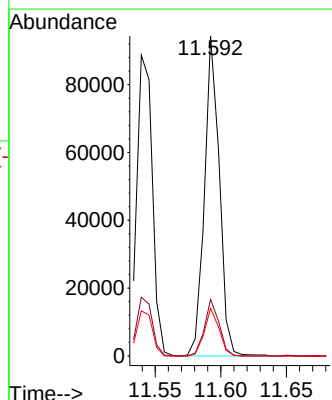
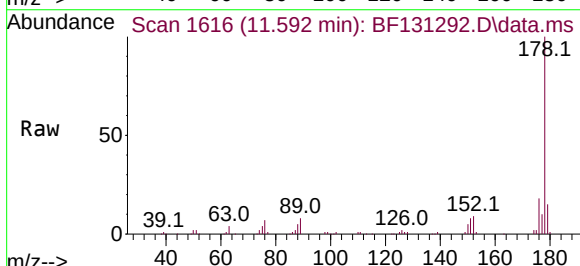
Manual Integrations
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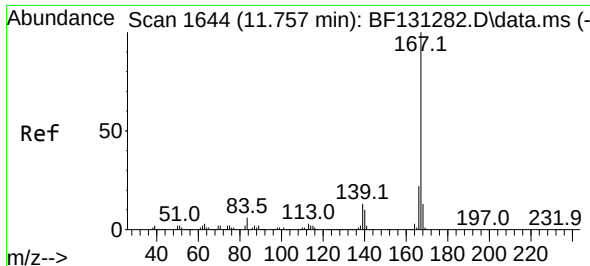
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#72
Anthracene
Concen: 4.289 ng
RT: 11.592 min Scan# 1616
Delta R.T. -0.012 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

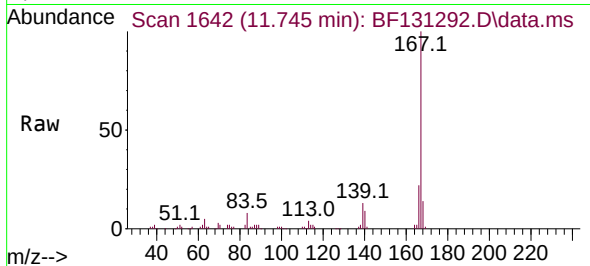
Tgt Ion:178 Resp: 74256
Ion Ratio Lower Upper
178 100
176 17.7 14.6 22.0
179 14.9 12.0 18.0





#73
 Carbazole
 Concen: 4.171 ng
 RT: 11.745 min Scan# 1642
 Delta R.T. -0.012 min
 Lab File: BF131292.D
 Acq: 18 Nov 2022 10:11

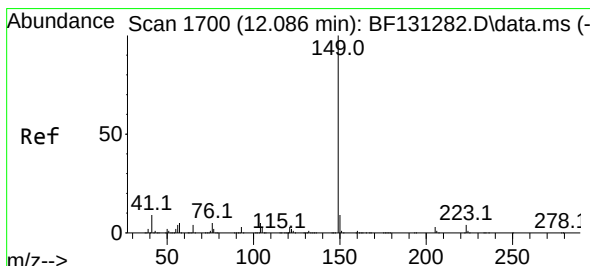
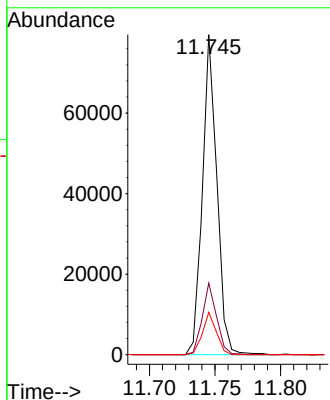
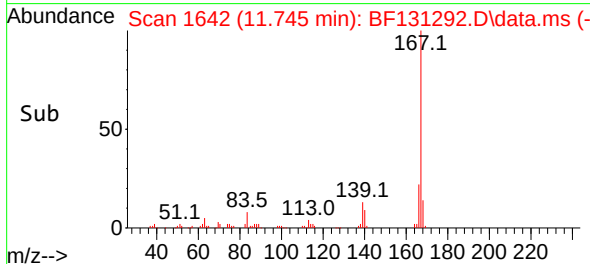
Instrument : BNA_F
 ClientSampleId : LOD-MDL-SOIL-01-QT4-2022



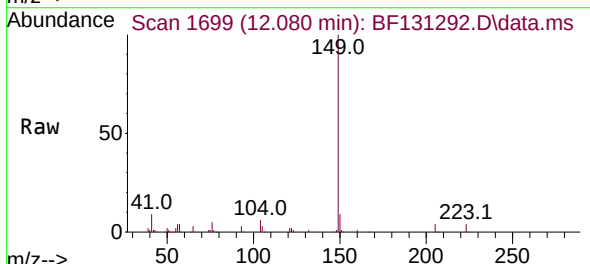
Tgt Ion:167 Resp: 60710
 Ion Ratio Lower Upper
 167 100
 166 22.4 17.4 26.2
 139 13.2 10.2 15.4

Manual Integrations
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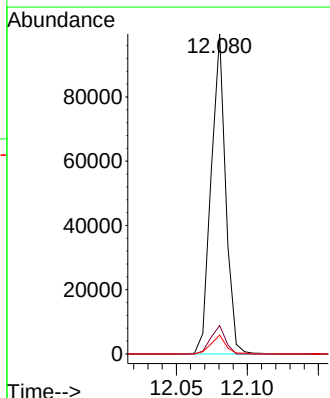
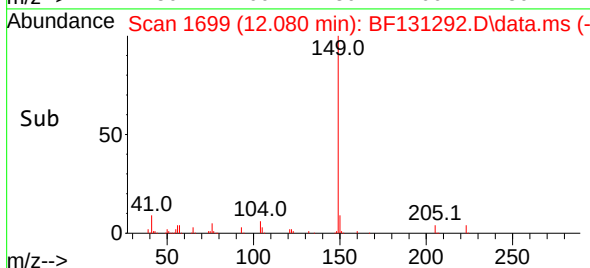
Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022

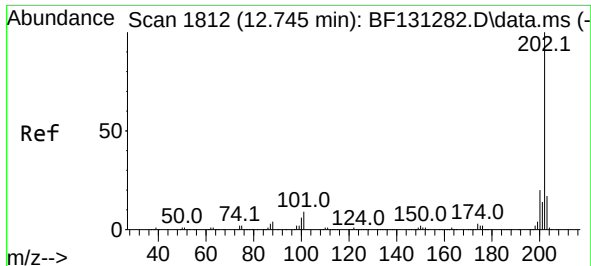


#74
 Di-n-butylphthalate
 Concen: 4.033 ng
 RT: 12.080 min Scan# 1699
 Delta R.T. -0.006 min
 Lab File: BF131292.D
 Acq: 18 Nov 2022 10:11



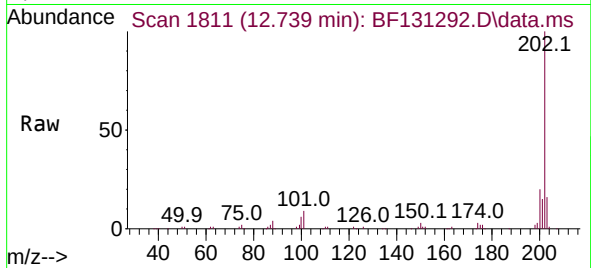
Tgt Ion:149 Resp: 70881
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.1 10.7
 104 5.9 4.3 6.5





#75
Fluoranthene
Concen: 4.157 ng
RT: 12.739 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

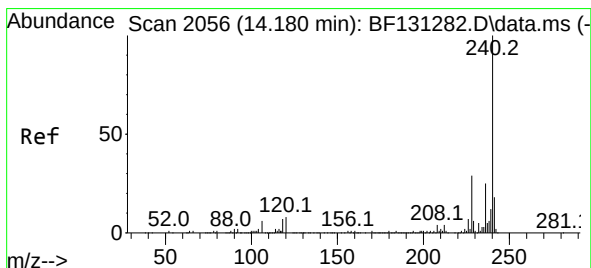
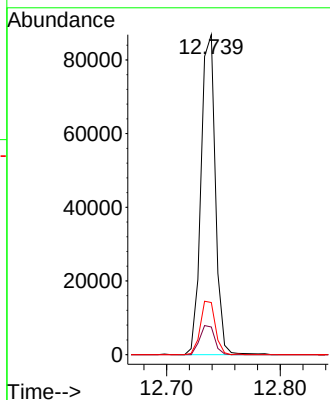
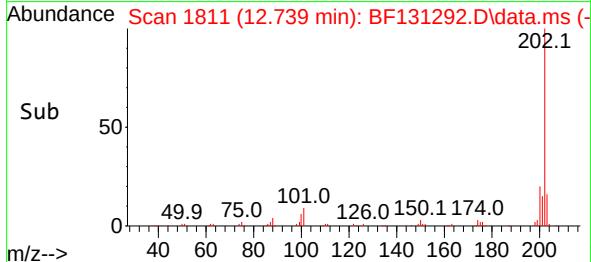
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



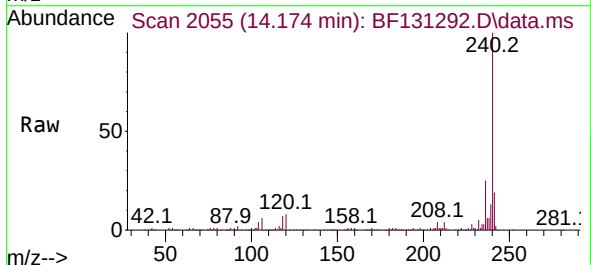
Tgt Ion:202 Resp: 76376
Ion Ratio Lower Upper
202 100
101 8.6 0.0 28.5
203 16.3 0.0 37.3

Manual Integrations
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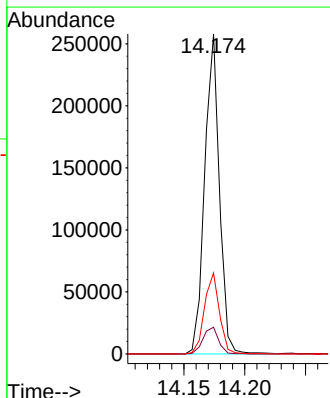
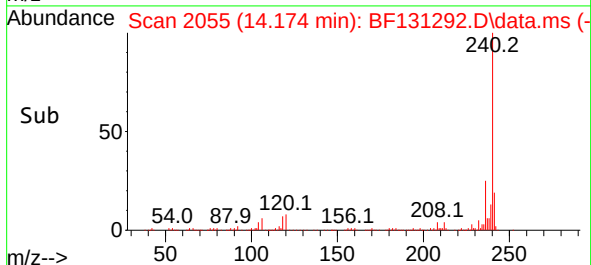
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

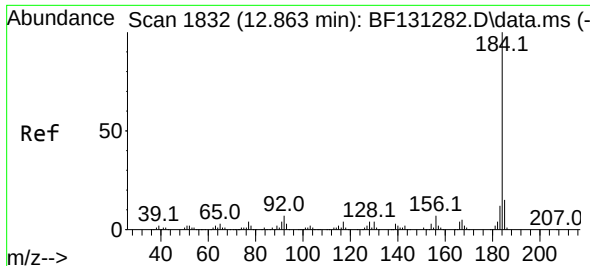


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.174 min Scan# 2055
Delta R.T. -0.006 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11



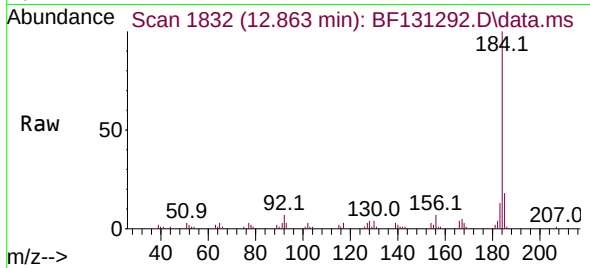
Tgt Ion:240 Resp: 216886
Ion Ratio Lower Upper
240 100
120 8.3 6.2 9.2
236 25.3 19.8 29.6





#77
Benzidine
Concen: 4.987 ng
RT: 12.863 min Scan# 1832
Delta R.T. 0.000 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

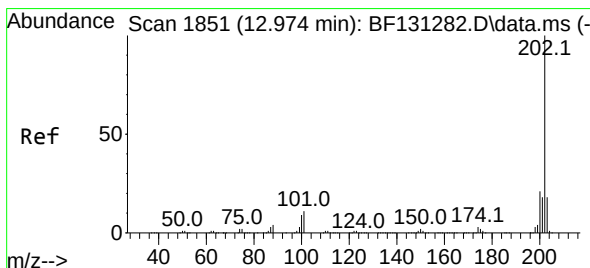
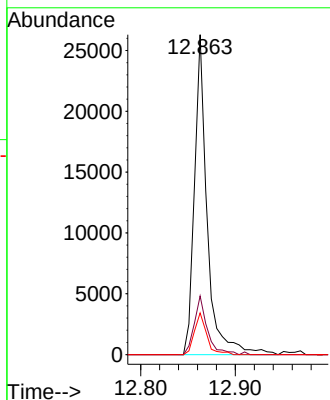
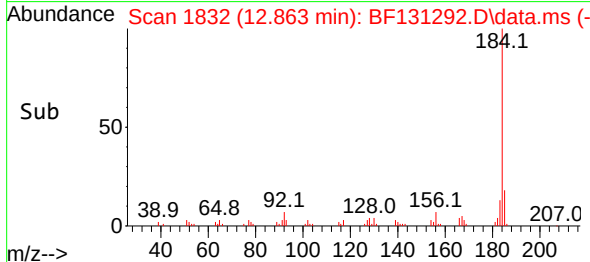
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



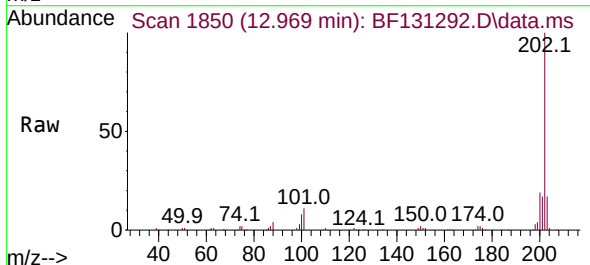
Tgt Ion:184 Resp: 2446
Ion Ratio Lower Upper
184 100
185 18.3 12.3 18.5
183 13.0 9.3 13.9

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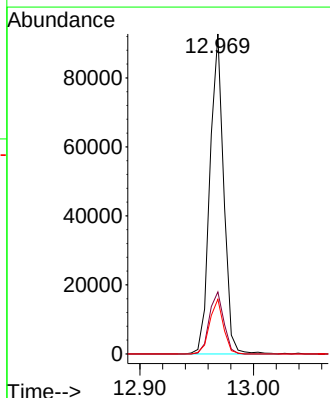
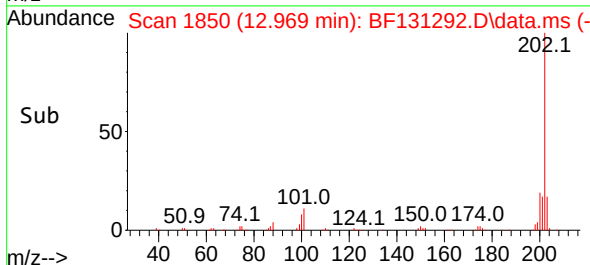
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

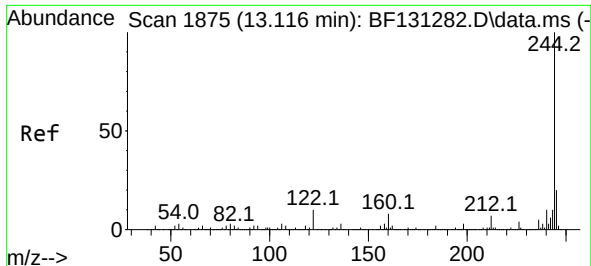


#78
Pyrene
Concen: 3.747 ng
RT: 12.969 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11



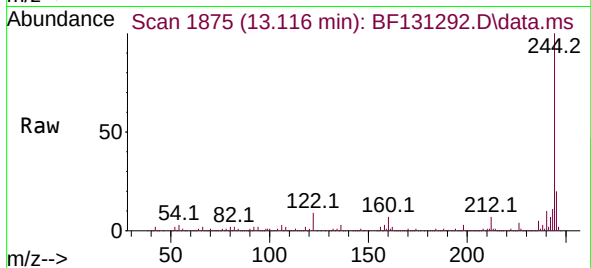
Tgt Ion:202 Resp: 78199
Ion Ratio Lower Upper
202 100
200 19.4 17.2 25.8
203 17.1 14.3 21.5





#79
 Terphenyl-d14
 Concen: 72.341 ng
 RT: 13.116 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: BF131292.D
 Acq: 18 Nov 2022 10:11

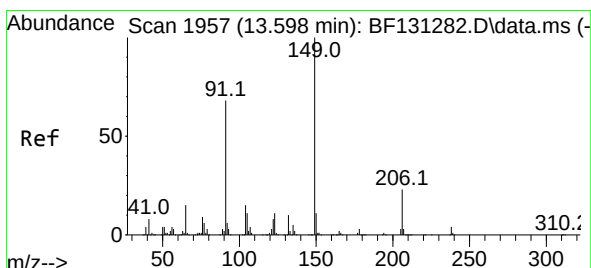
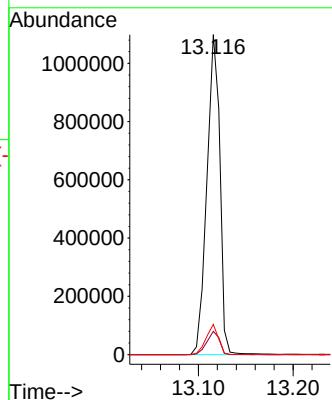
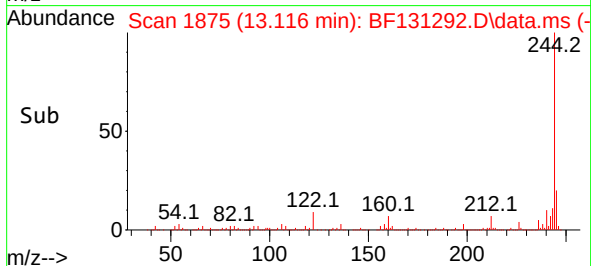
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2022



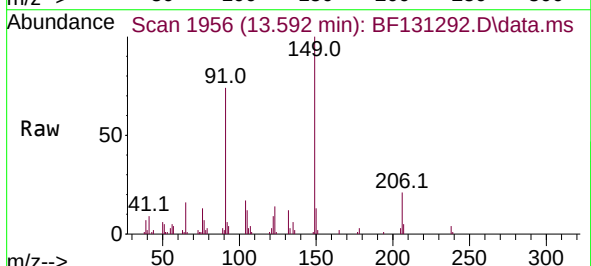
Tgt Ion:244 Resp: 1049648
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.6
 122 9.4 7.8 11.8

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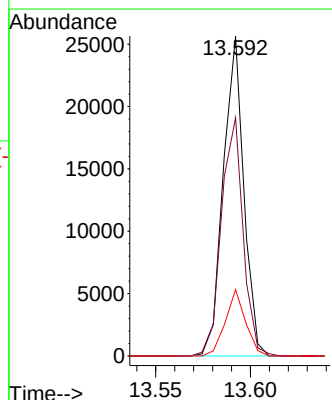
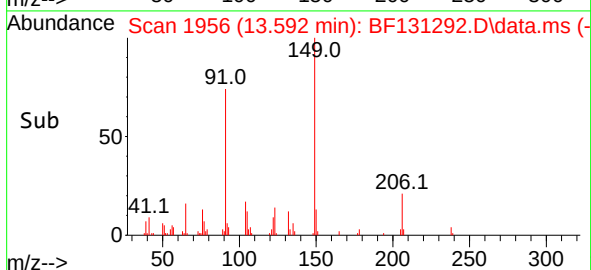
Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022

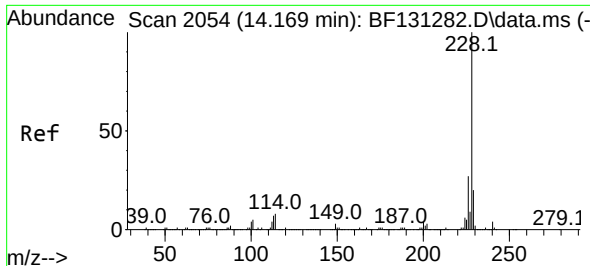


#80
 Butylbenzylphthalate
 Concen: 3.060 ng
 RT: 13.592 min Scan# 1956
 Delta R.T. -0.006 min
 Lab File: BF131292.D
 Acq: 18 Nov 2022 10:11



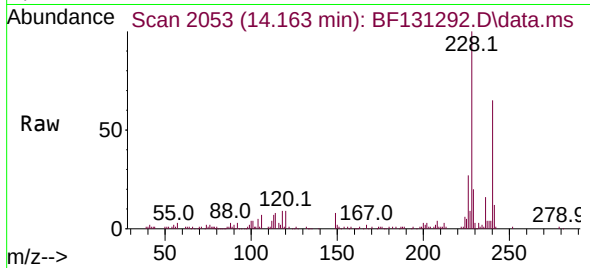
Tgt Ion:149 Resp: 19314
 Ion Ratio Lower Upper
 149 100
 91 74.4 54.6 82.0
 206 20.7 18.1 27.1





#81
Benzo(a)anthracene
Concen: 3.851 ng
RT: 14.163 min Scan# 2054
Delta R.T. -0.006 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

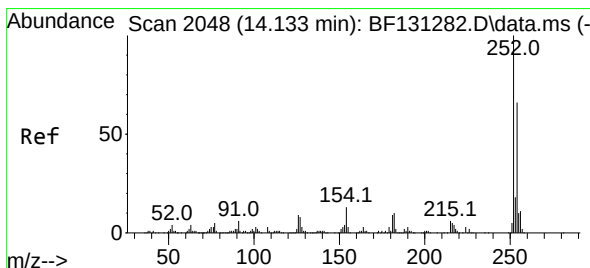
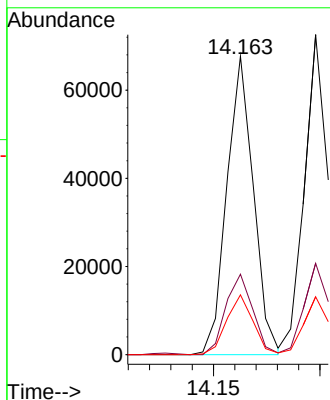
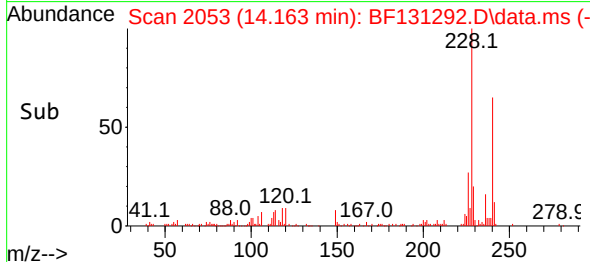
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:228 Resp: 58879
Ion Ratio Lower Upper
228 100
226 26.9 21.5 32.3
229 20.0 16.1 24.1

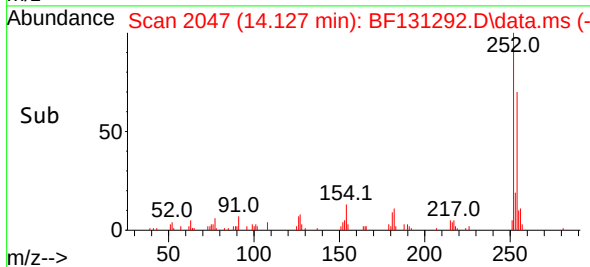
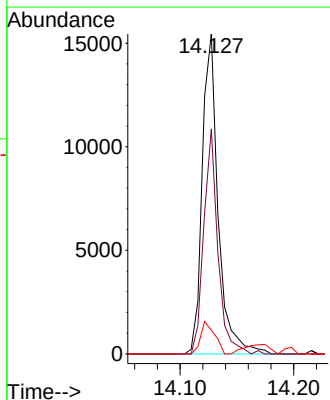
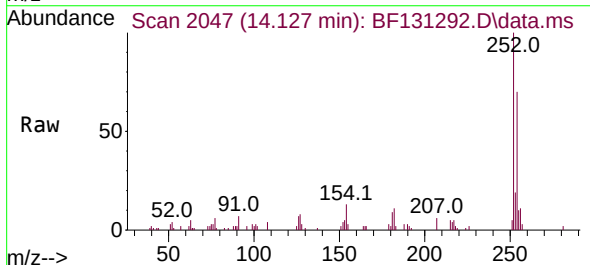
Manual Integrations
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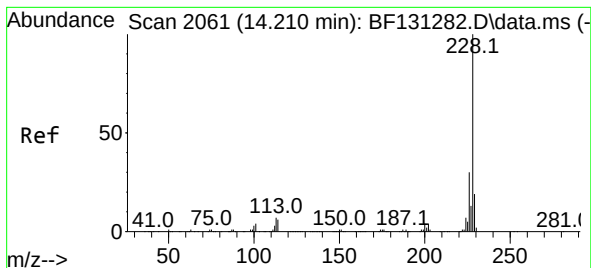
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#82
3,3'-Dichlorobenzidine
Concen: 3.709 ng
RT: 14.127 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

Tgt Ion:252 Resp: 15055
Ion Ratio Lower Upper
252 100
254 70.3 52.6 78.8
126 7.4 7.0 10.6





#83

Chrysene

Concen: 3.962 ng

RT: 14.198 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF131292.D

Acq: 18 Nov 2022 10:11

Instrument :

BNA_F

ClientSampleId :

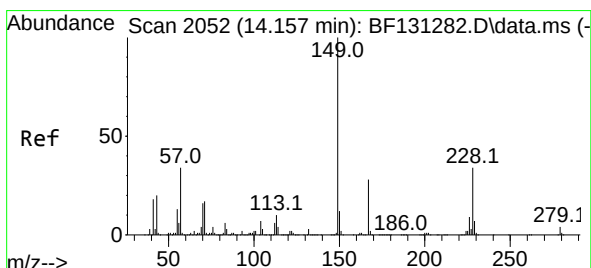
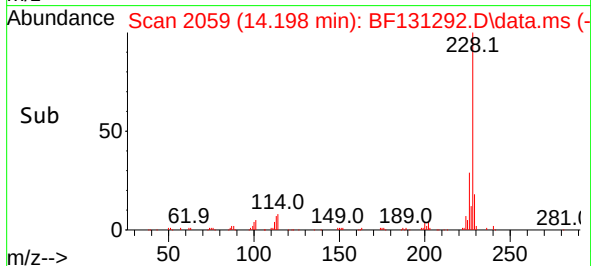
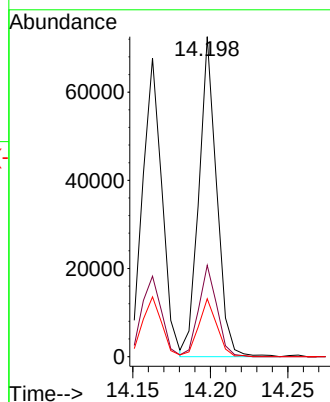
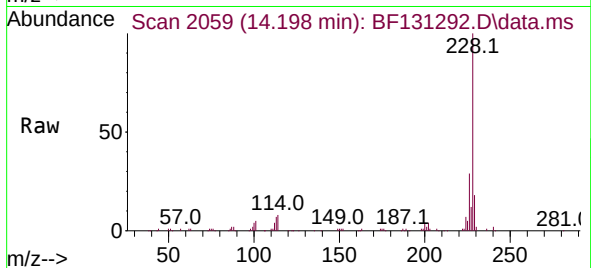
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:	228	Resp:	5793
Ion Ratio	Lower	Upper	
228	100		
226	28.5	23.8	35.6
229	18.1	15.2	22.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.587 ng

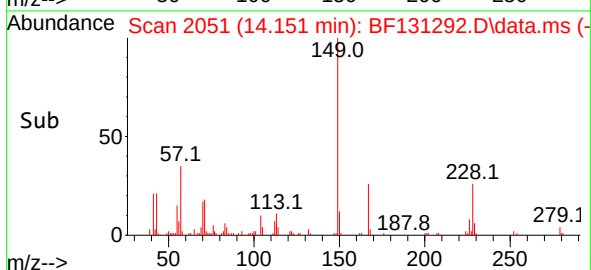
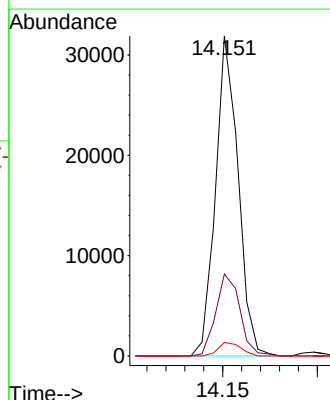
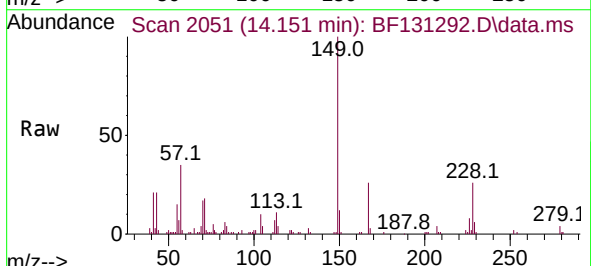
RT: 14.151 min Scan# 2051

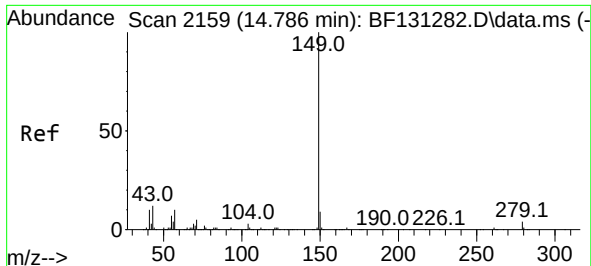
Delta R.T. -0.006 min

Lab File: BF131292.D

Acq: 18 Nov 2022 10:11

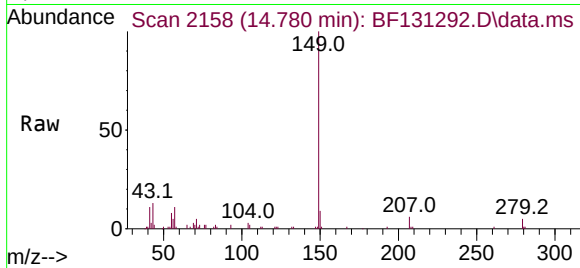
Tgt Ion:	149	Resp:	26354
Ion Ratio	Lower	Upper	
149	100		
167	25.6	22.2	33.4
279	4.2	3.4	5.2





#85
Di-n-octyl phthalate
Concen: 2.889 ng
RT: 14.780 min Scan# 2159
Delta R.T. -0.006 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

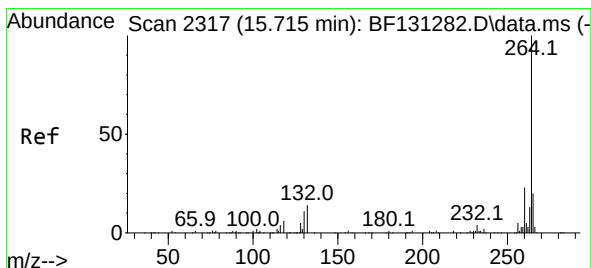
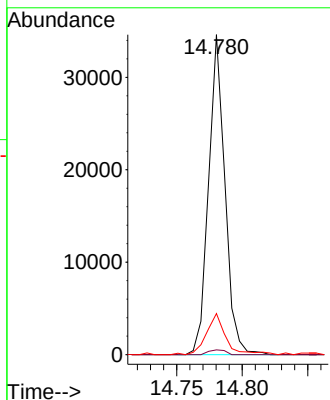
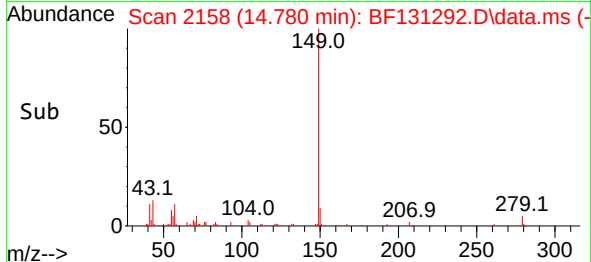
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:149 Resp: 30135
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 15.1 10.6 16.0

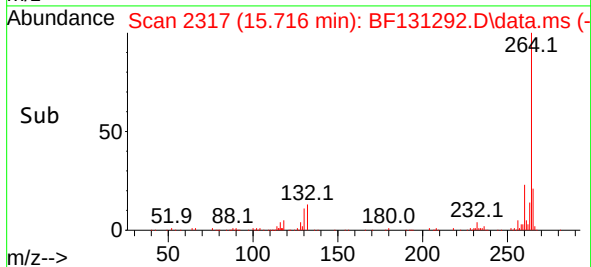
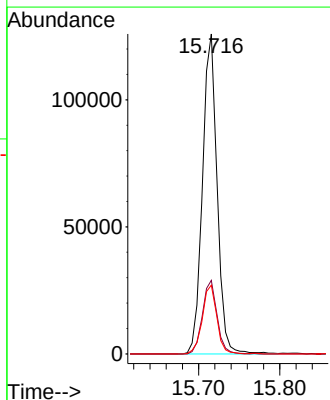
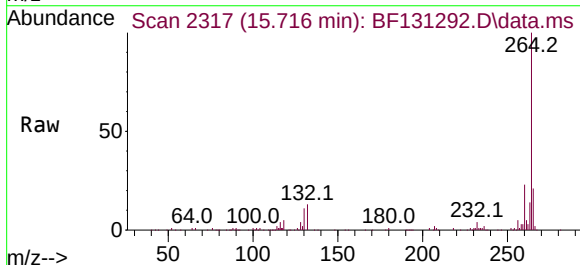
Manual Integrations
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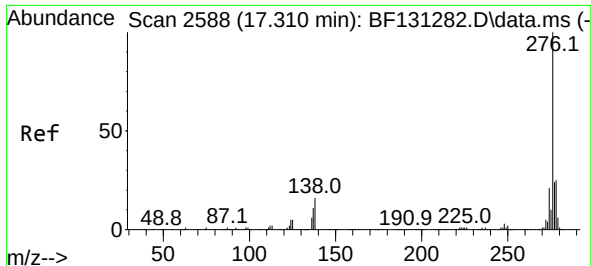
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.716 min Scan# 2317
Delta R.T. 0.000 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

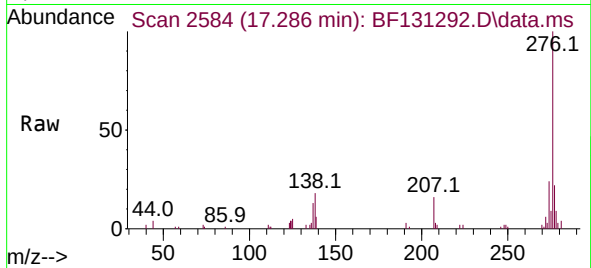
Tgt Ion:264 Resp: 158093
Ion Ratio Lower Upper
264 100
260 23.0 18.7 28.1
265 21.5 16.2 24.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 2.930 ng
RT: 17.286 min Scan# 2588
Delta R.T. -0.024 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

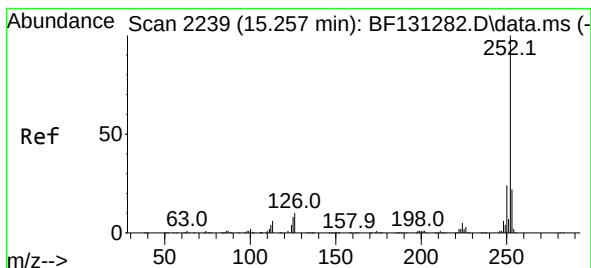
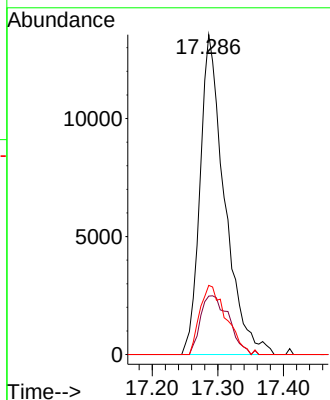
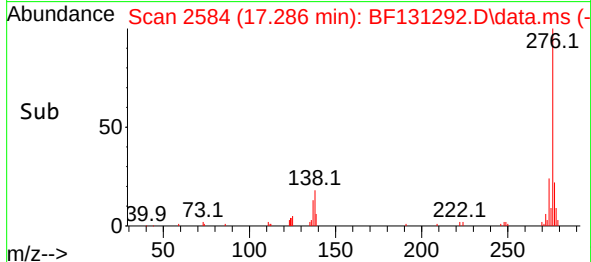
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:276 Resp: 35133
Ion Ratio Lower Upper
276 100
138 21.4 15.1 22.7
277 23.4 20.1 30.1

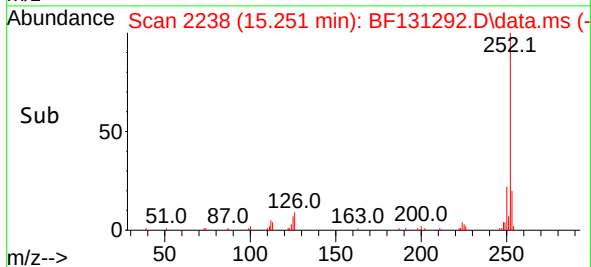
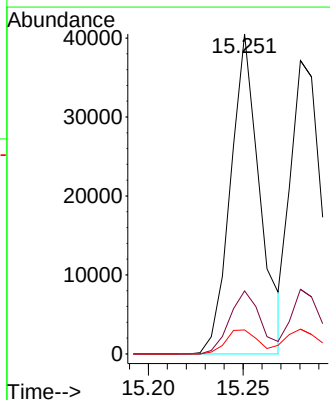
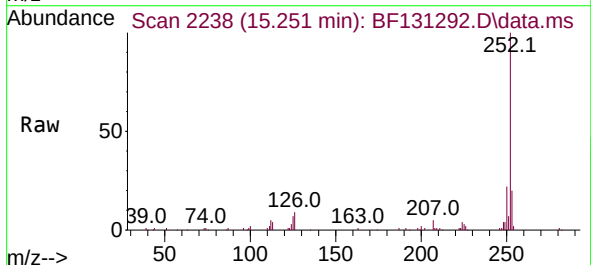
Manual Integrations
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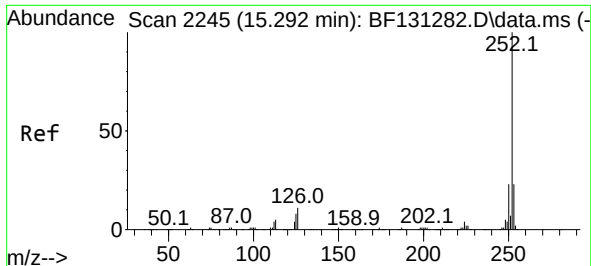
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#88
Benzo(b)fluoranthene
Concen: 4.100 ng
RT: 15.251 min Scan# 2238
Delta R.T. -0.006 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

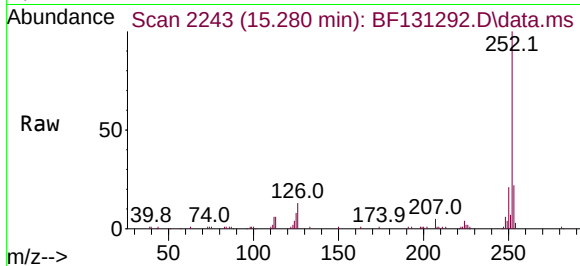
Tgt Ion:252 Resp: 43620
Ion Ratio Lower Upper
252 100
253 19.7 17.4 26.0
125 7.5 6.3 9.5





#89
Benzo(k)fluoranthene
Concen: 3.946 ng
RT: 15.280 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

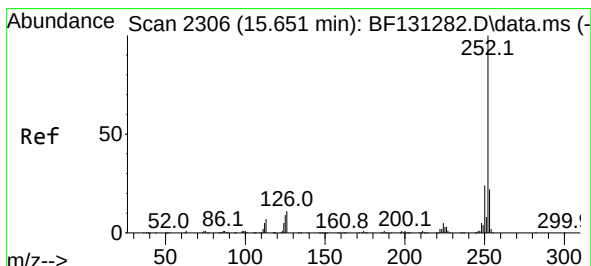
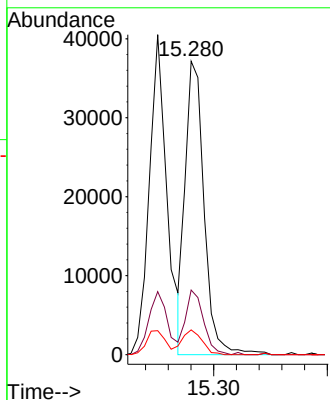
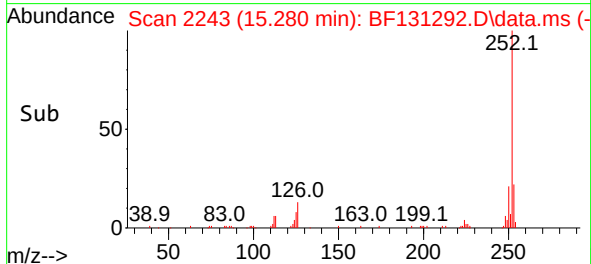
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



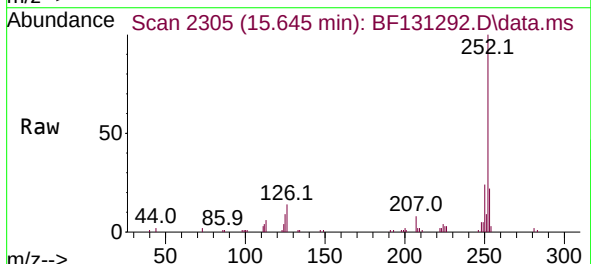
Tgt Ion:252 Resp: 42911
Ion Ratio Lower Upper
252 100
253 22.0 18.0 27.0
125 8.4 6.5 9.7

Manual Integrations
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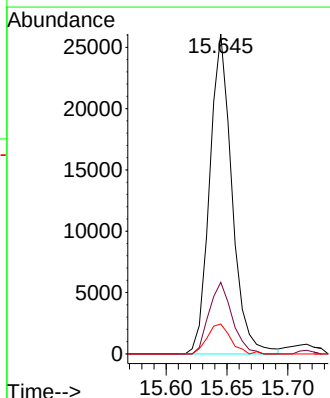
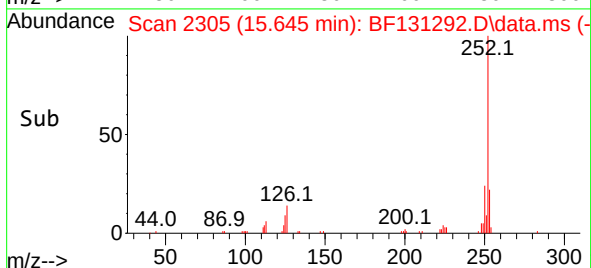
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

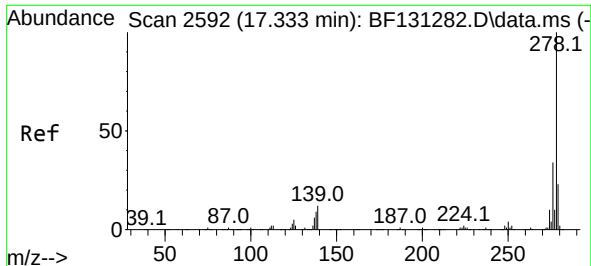


#90
Benzo(a)pyrene
Concen: 3.804 ng
RT: 15.645 min Scan# 2305
Delta R.T. -0.006 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11



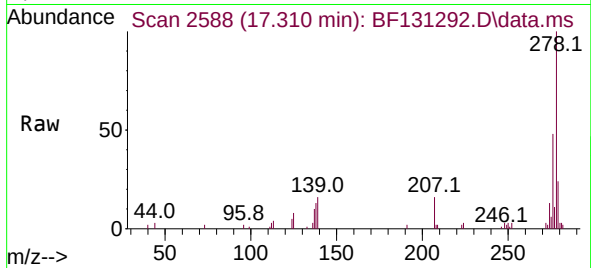
Tgt Ion:252 Resp: 33229
Ion Ratio Lower Upper
252 100
253 22.4 17.7 26.5
125 9.3 7.2 10.8





#91
Dibenzo(a,h)anthracene
Concen: 3.164 ng
RT: 17.310 min Scan# 21
Delta R.T. -0.023 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11

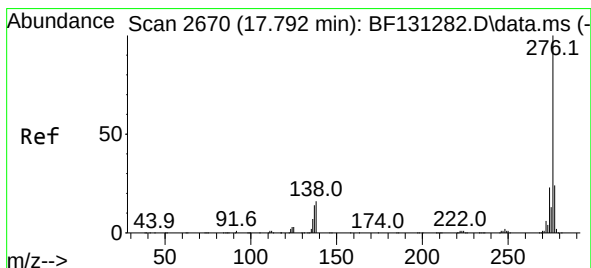
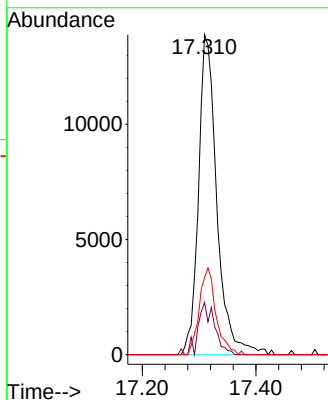
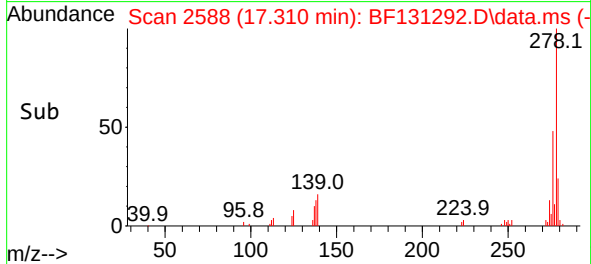
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



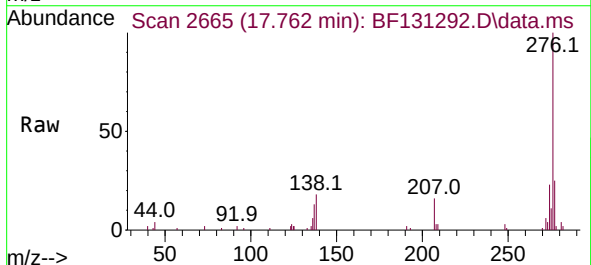
Tgt Ion:278 Resp: 3122
Ion Ratio Lower Upper
278 100
139 16.3 10.0 15.0
279 24.1 18.6 27.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#92
Benzo(g,h,i)perylene
Concen: 3.180 ng
RT: 17.762 min Scan# 2665
Delta R.T. -0.030 min
Lab File: BF131292.D
Acq: 18 Nov 2022 10:11



Tgt Ion:276 Resp: 31725
Ion Ratio Lower Upper
276 100
277 25.1 19.4 29.0
138 17.7 13.0 19.6

