

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111822\
 Data File : BF131293.D
 Acq On : 18 Nov 2022 10:54
 Operator : CG\JU
 Sample : N4955-01
 Misc : LOD-MDL-SOIL 8ppm
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Nov 21 01:05:02 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	78235	20.000	ng	0.00
21) Naphthalene-d8	8.263	136	278174	20.000	ng	0.00
39) Acenaphthene-d10	10.027	164	163427	20.000	ng	0.00
64) Phenanthrene-d10	11.522	188	307701	20.000	ng	0.00
76) Chrysene-d12	14.174	240	206828	20.000	ng	0.00
86) Perylene-d12	15.715	264	147640	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	456832	106.877	ng	0.00
7) Phenol-d6	6.587	99	572545	105.661	ng	0.00
23) Nitrobenzene-d5	7.534	82	403189	77.424	ng	0.00
42) 2,4,6-Tribromophenol	10.816	330	156923	107.864	ng	0.00
45) 2-Fluorobiphenyl	9.345	172	838688	73.296	ng	0.00
79) Terphenyl-d14	13.116	244	979001	70.754	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.775	88	16318	8.257	ng	96
3) Pyridine	3.569	79	39224	7.123	ng	96
4) n-Nitrosodimethylamine	3.493	42	26113	7.643	ng	91
6) Aniline	6.628	93	60279	8.888	ng	99
8) 2-Chlorophenol	6.751	128	40776	8.618	ng	96
9) Benzaldehyde	6.522	77	37240	9.467	ng	92
10) Phenol	6.592	94	48182	8.034	ng	94
11) bis(2-Chloroethyl)ether	6.698	93	41562	8.610	ng	96
12) 1,3-Dichlorobenzene	6.910	146	47732	8.480	ng	97
13) 1,4-Dichlorobenzene	6.987	146	48125	8.409	ng	93
14) 1,2-Dichlorobenzene	7.139	146	44433	8.341	ng	100
15) Benzyl Alcohol	7.128	79	10443	2.263	ng	# 52
16) 2,2'-oxybis(1-Chloropr...	7.239	45	79385	8.685	ng	99
17) 2-Methylphenol	7.210	107	33345	8.061	ng	96
18) Hexachloroethane	7.486	117	16983	8.346	ng	95
19) n-Nitroso-di-n-propyla...	7.375	70	31998	8.210	ng	# 95
20) 3+4-Methylphenols	7.363	107	44011	8.331	ng	99
22) Acetophenone	7.375	105	64563	8.783	ng	97
24) Nitrobenzene	7.551	77	46343	8.792	ng	99
25) Isophorone	7.786	82	86304	8.680	ng	99
26) 2-Nitrophenol	7.869	139	12149	7.277	ng	95
27) 2,4-Dimethylphenol	7.898	122	37294	9.541	ng	98
28) bis(2-Chloroethoxy)met...	7.998	93	52242	9.407	ng	99
29) 2,4-Dichlorophenol	8.104	162	34102	8.147	ng	99
30) 1,2,4-Trichlorobenzene	8.198	180	42436	8.165	ng	98
31) Naphthalene	8.281	128	124692	8.266	ng	99
32) Benzoic acid	7.945	122	7753	3.316	ng	91
33) 4-Chloroaniline	8.328	127	50582	8.633	ng	95
34) Hexachlorobutadiene	8.398	225	28143	8.194	ng	96
35) Caprolactam	8.657	113	9697	8.320	ng	94
36) 4-Chloro-3-methylphenol	8.798	107	36160	8.014	ng	98
37) 2-Methylnaphthalene	8.975	142	85922	8.452	ng	100
38) 1-Methylnaphthalene	9.075	142	82362	8.361	ng	98
40) 1,2,4,5-Tetrachloroben...	9.139	216	47095	8.807	ng	97
41) Hexachlorocyclopentadiene	9.128	237	19021	8.223	ng	94
43) 2,4,6-Trichlorophenol	9.251	196	18705	5.883	ng	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.286	196	29780	8.597	ng	95
46) 1,1'-Biphenyl	9.439	154	111292	8.819	ng	100
47) 2-Chloronaphthalene	9.469	162	87026	8.589	ng	99
48) 2-Nitroaniline	9.557	65	19305	6.893	ng	96
49) Acenaphthylene	9.886	152	130439	8.428	ng	99
50) Dimethylphthalate	9.733	163	96950	8.192	ng	100
51) 2,6-Dinitrotoluene	9.798	165	15434	7.940	ng	92
52) Acenaphthene	10.057	154	79014	8.182	ng	99
53) 3-Nitroaniline	9.969	138	16147	7.849	ng	96
54) 2,4-Dinitrophenol	10.069	184	2663	3.889	ng	# 8
55) Dibenzofuran	10.227	168	119906	8.562	ng	98
56) 4-Nitrophenol	10.116	139	8724	5.635	ng	90
57) 2,4-Dinitrotoluene	10.198	165	17371	7.390	ng	# 98
58) Fluorene	10.575	166	94637	8.510	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.345	232	20101m	6.851	ng	
60) Diethylphthalate	10.439	149	95523	8.461	ng	97
61) 4-Chlorophenyl-phenyle...	10.569	204	49963	8.862	ng	92
62) 4-Nitroaniline	10.580	138	16042	7.675	ng	93
63) Azobenzene	10.727	77	96759	8.252	ng	99
65) 4,6-Dinitro-2-methylph...	10.604	198	4232	3.967	ng	# 64
66) n-Nitrosodiphenylamine	10.680	169	81127	8.182	ng	98
67) 4-Bromophenyl-phenylether	11.063	248	30057	8.141	ng	90
68) Hexachlorobenzene	11.122	284	32927	8.220	ng	95
69) Atrazine	11.210	200	28626	9.049	ng	98
70) Pentachlorophenol	11.316	266	10603m	4.954	ng	
71) Phenanthrene	11.545	178	139299	8.187	ng	98
72) Anthracene	11.598	178	142174	8.545	ng	99
73) Carbazole	11.751	167	117180	8.378	ng	99
74) Di-n-butylphthalate	12.080	149	142959	8.465	ng	99
75) Fluoranthene	12.739	202	145952	8.266	ng	99
77) Benzidine	12.863	184	57138	12.214	ng	97
78) Pyrene	12.968	202	148855	7.480	ng	99
80) Butylbenzylphthalate	13.592	149	43019	7.147	ng	92
81) Benzo(a)anthracene	14.163	228	115766	7.939	ng	98
82) 3,3'-Dichlorobenzidine	14.127	252	31845	8.226	ng	99
83) Chrysene	14.204	228	108234	7.761	ng	98
84) Bis(2-ethylhexyl)phtha...	14.157	149	55566	7.930	ng	99
85) Di-n-octyl phthalate	14.780	149	65705	6.606	ng	99
87) Indeno(1,2,3-cd)pyrene	17.286	276	72990	6.519	ng	97
88) Benzo(b)fluoranthene	15.257	252	81765	8.229	ng	99
89) Benzo(k)fluoranthene	15.286	252	82874	8.160	ng	98
90) Benzo(a)pyrene	15.651	252	65856	8.072	ng	99
91) Dibenzo(a,h)anthracene	17.321	278	64836	7.036	ng	97
92) Benzo(g,h,i)perylene	17.768	276	64705	6.946	ng	96

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

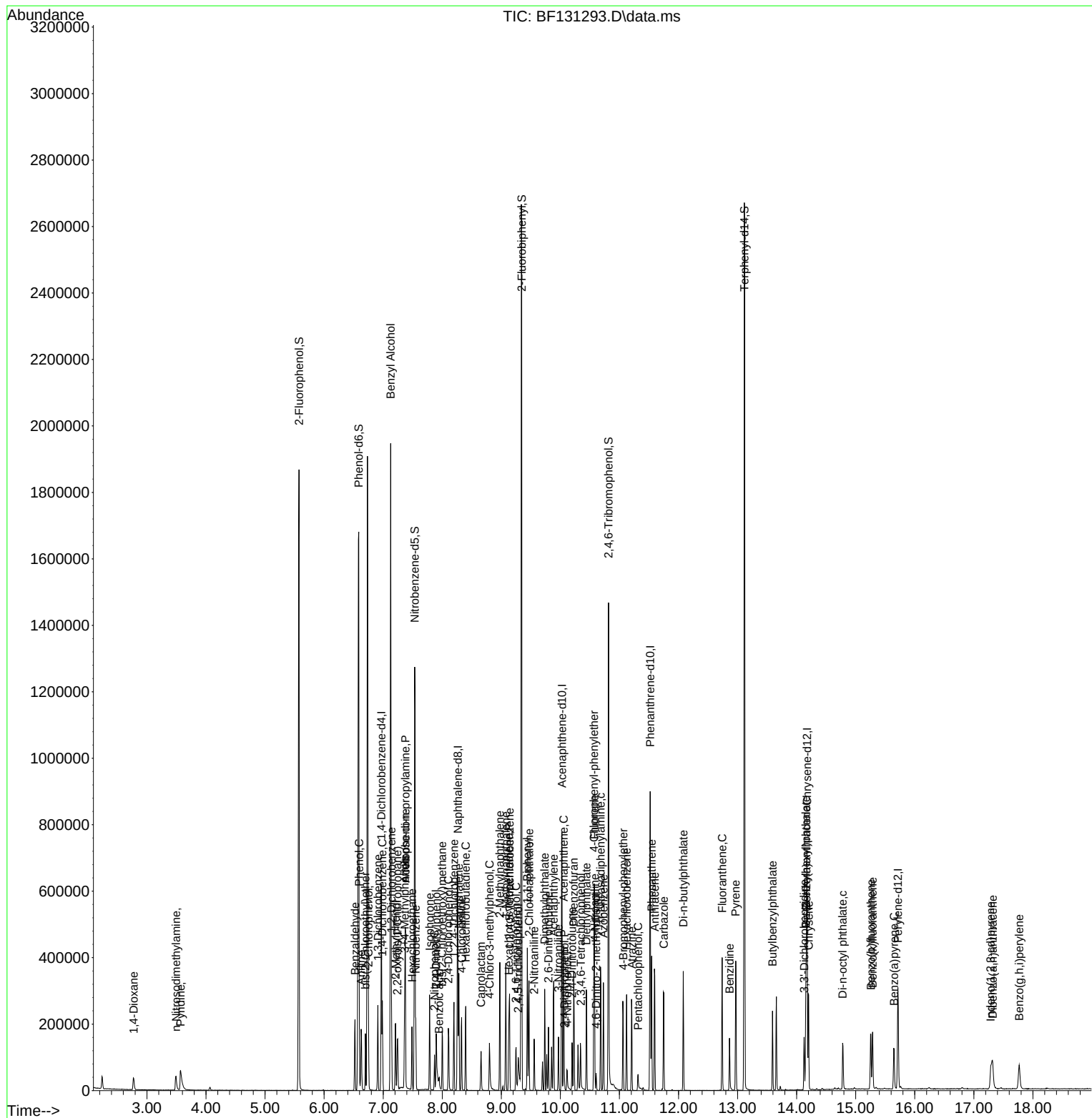
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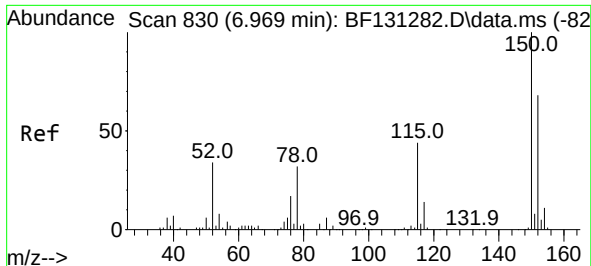
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 ClientSampleId :
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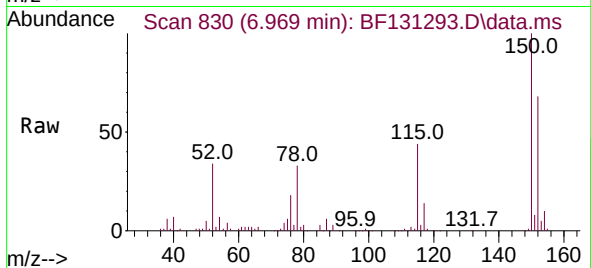
Reviewed By : Christian Giraldo 11/21/2022
 Supervised By : Jagrut Upadhyay 11/21/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 830
Delta R.T. -0.000 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

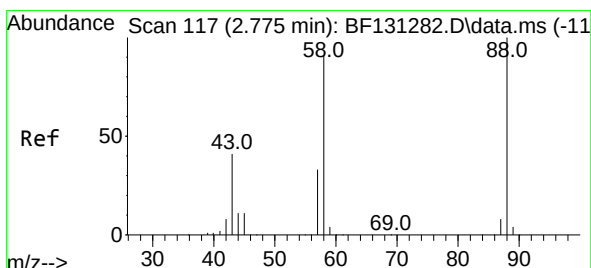
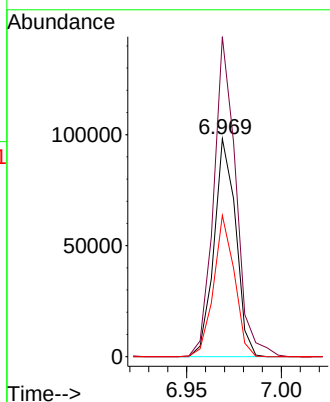
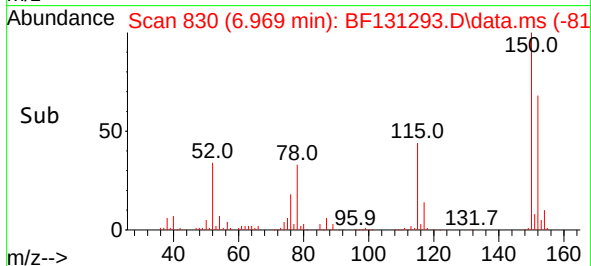
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022



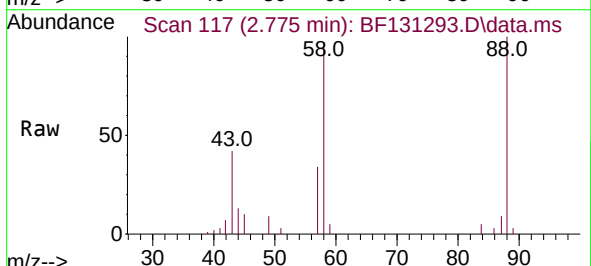
Tgt Ion:152 Resp: 78235
Ion Ratio Lower Upper
152 100
150 146.9 117.8 176.6
115 64.8 52.2 78.4

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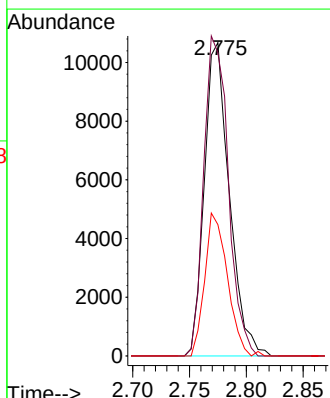
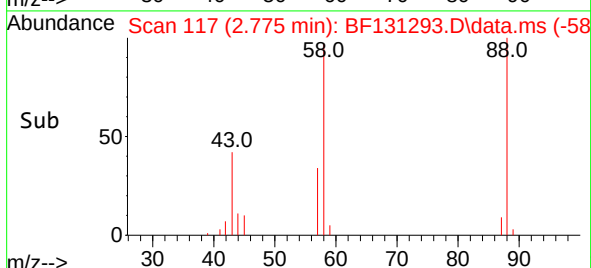
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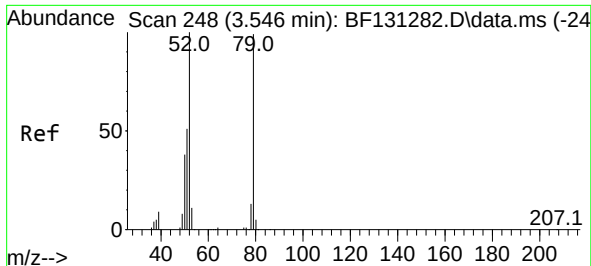


#2
1,4-Dioxane
Concen: 8.257 ng
RT: 2.775 min Scan# 117
Delta R.T. -0.000 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54



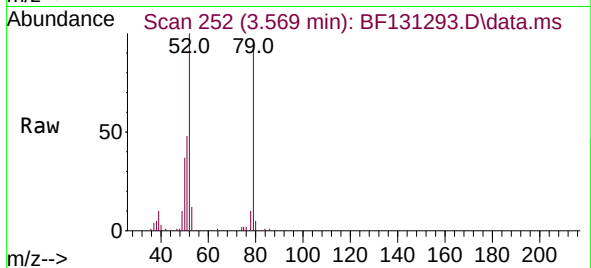
Tgt Ion: 88 Resp: 16318
Ion Ratio Lower Upper
88 100
58 100.2 76.0 114.0
43 41.5 32.4 48.6





#3
Pyridine
Concen: 7.123 ng
RT: 3.569 min Scan# 21
Delta R.T. 0.023 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

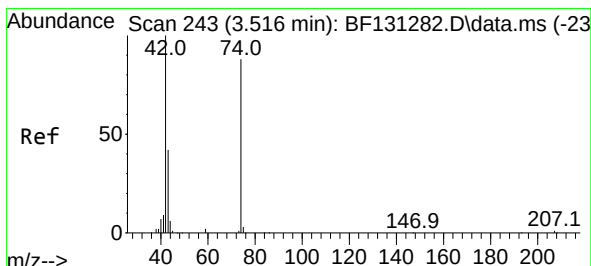
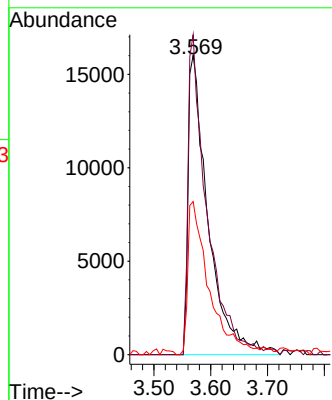
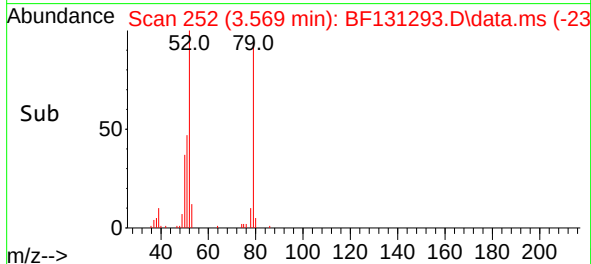
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



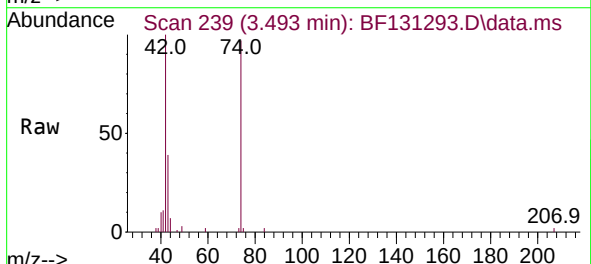
Tgt Ion: 79 Resp: 39224
Ion Ratio Lower Upper
79 100
52 106.9 80.7 121.1
51 51.1 41.6 62.4

Manual Integrations
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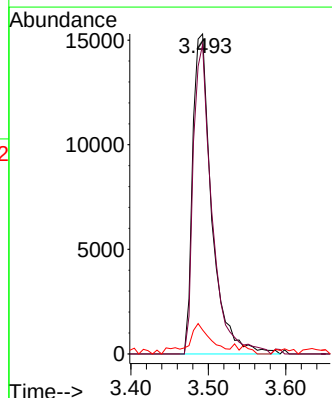
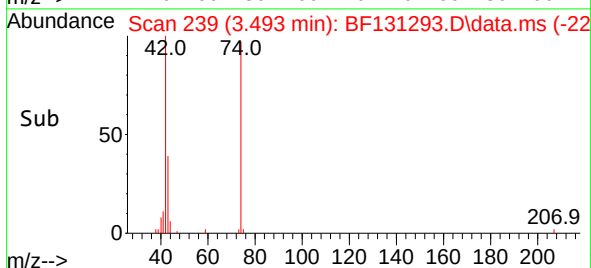
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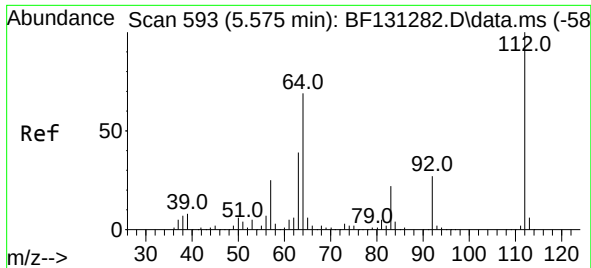


#4
n-Nitrosodimethylamine
Concen: 7.643 ng
RT: 3.493 min Scan# 239
Delta R.T. -0.024 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54



Tgt Ion: 42 Resp: 26113
Ion Ratio Lower Upper
42 100
74 96.7 70.3 105.5
44 7.5 5.4 8.2





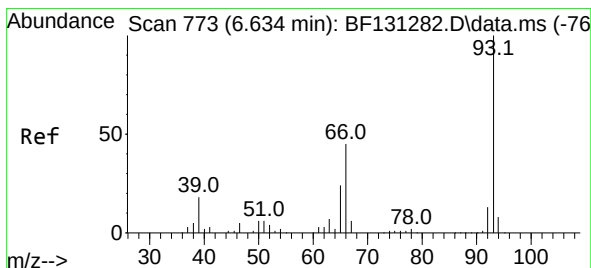
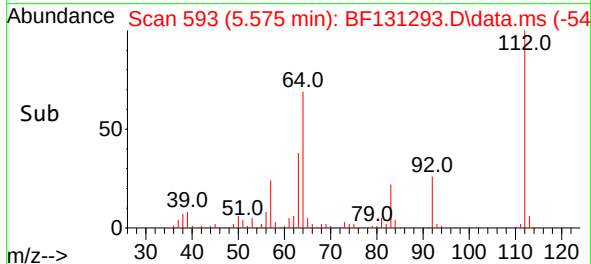
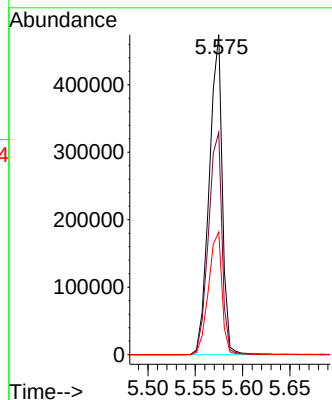
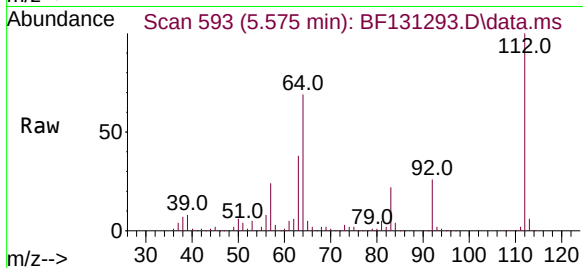
#5
2-Fluorophenol
Concen: 106.877 ng
RT: 5.575 min Scan# 593
Delta R.T. -0.000 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

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

Tgt Ion:112 Resp: 456832
Ion Ratio Lower Upper
112 100
64 69.4 55.5 83.3
63 38.3 31.0 46.6

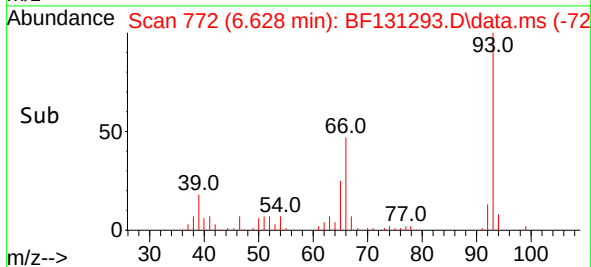
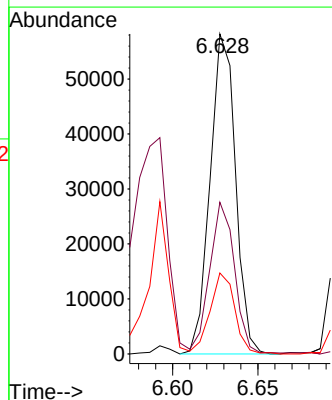
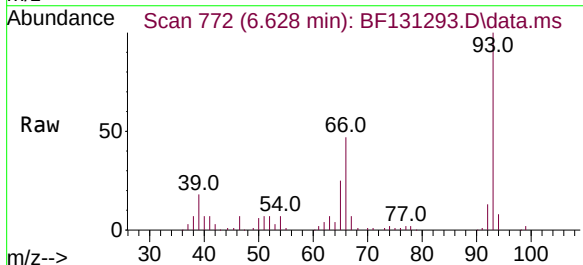
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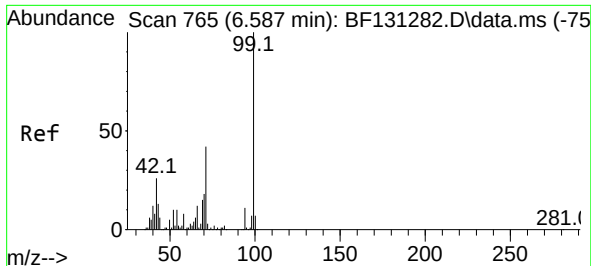
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#6
Aniline
Concen: 8.888 ng
RT: 6.628 min Scan# 772
Delta R.T. -0.006 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

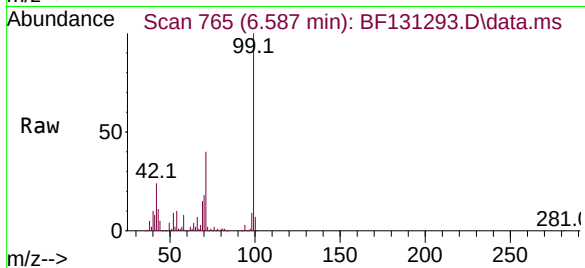
Tgt Ion: 93 Resp: 60279
Ion Ratio Lower Upper
93 100
66 47.4 37.7 56.5
65 25.3 19.5 29.3





#7
Phenol-d6
Concen: 105.661 ng
RT: 6.587 min Scan# 765
Delta R.T. -0.000 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

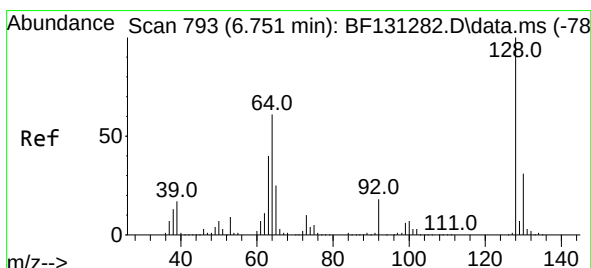
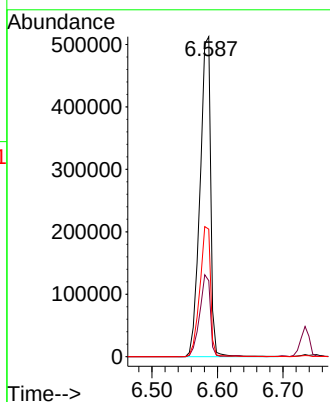
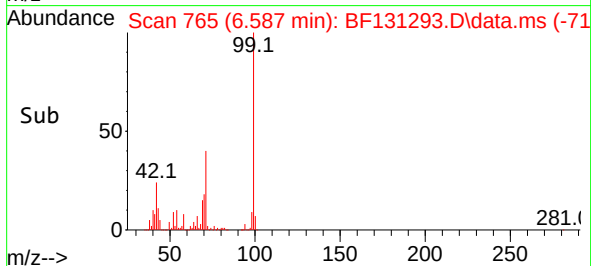
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Tgt Ion: 99 Resp: 572545
Ion Ratio Lower Upper
99 100
42 23.7 21.2 31.8
71 39.8 33.8 50.6

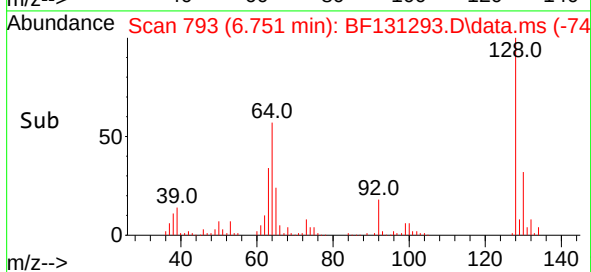
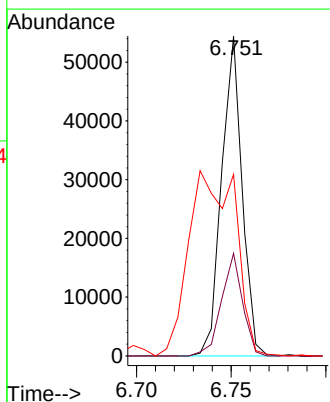
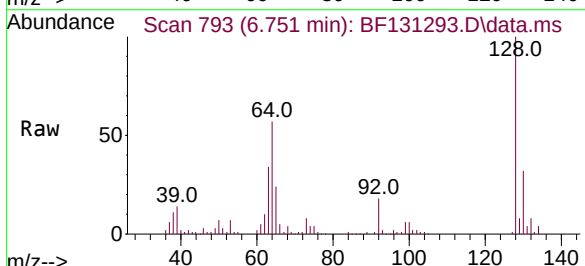
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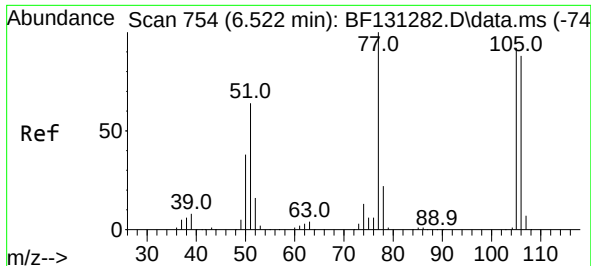
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#8
2-Chlorophenol
Concen: 8.618 ng
RT: 6.751 min Scan# 793
Delta R.T. -0.000 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

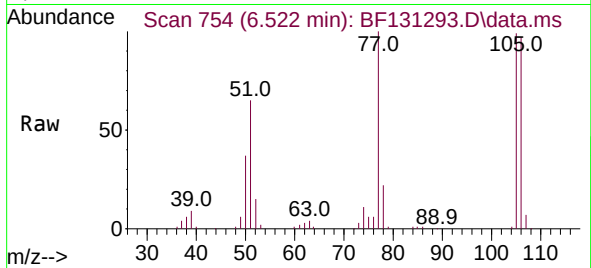
Tgt Ion:128 Resp: 40776
Ion Ratio Lower Upper
128 100
130 32.1 11.4 51.4
64 56.7 40.9 80.9





#9
Benzaldehyde
Concen: 9.467 ng
RT: 6.522 min Scan# 754
Delta R.T. -0.000 min
Lab File: BF131293.D
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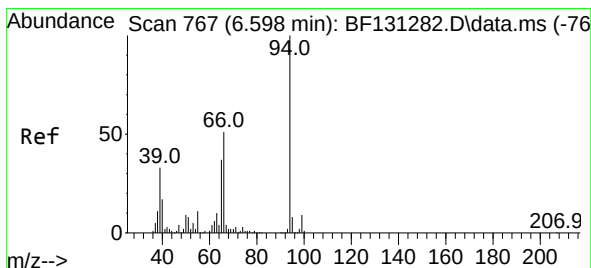
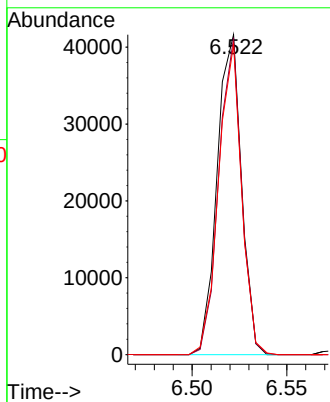
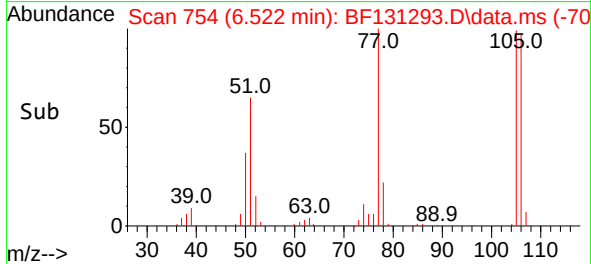
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Tgt Ion: 77 Resp: 37240
Ion Ratio Lower Upper
77 100
105 99.0 72.5 112.5
106 97.0 67.7 107.7

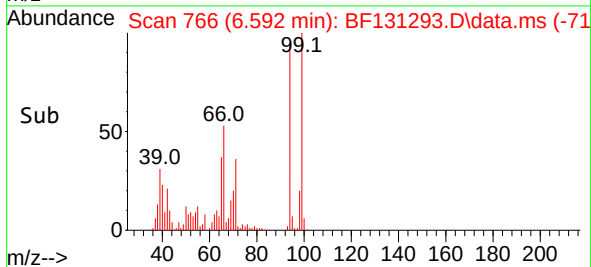
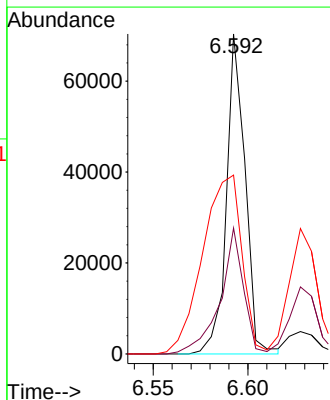
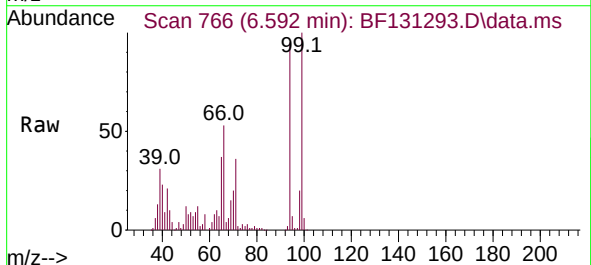
Manual Integrations
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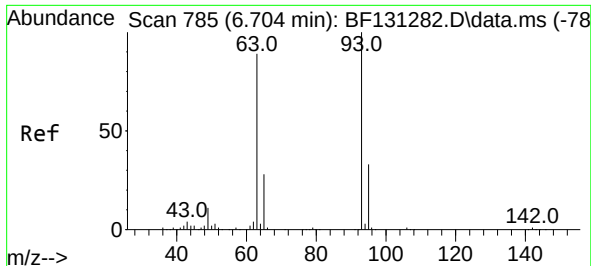
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#10
Phenol
Concen: 8.034 ng
RT: 6.592 min Scan# 766
Delta R.T. -0.006 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

Tgt Ion: 94 Resp: 48182
Ion Ratio Lower Upper
94 100
65 39.3 16.8 56.8
66 55.9 31.4 71.4





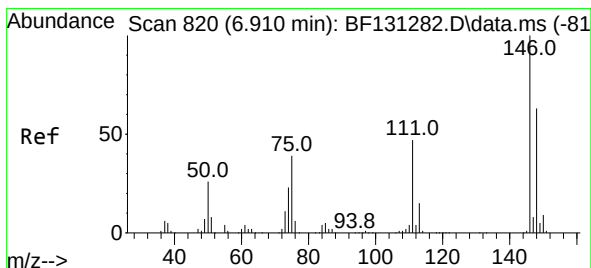
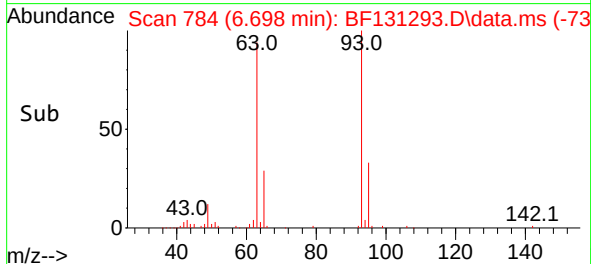
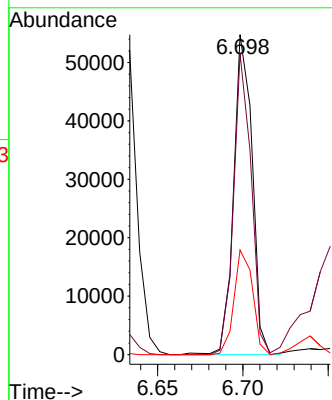
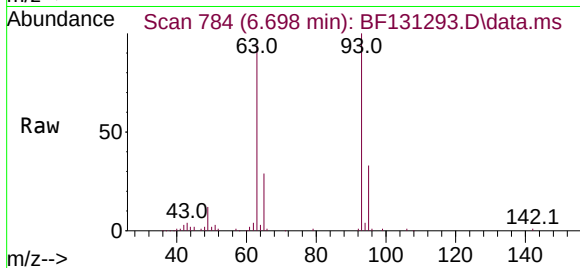
#11
bis(2-Chloroethyl)ether
Concen: 8.610 ng
RT: 6.698 min Scan# 785
Delta R.T. -0.006 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

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

Tgt Ion: 93 Resp: 41562
Ion Ratio Lower Upper
93 100
63 94.1 68.8 108.8
95 32.7 12.4 52.4

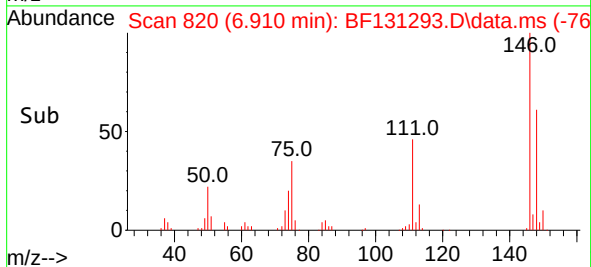
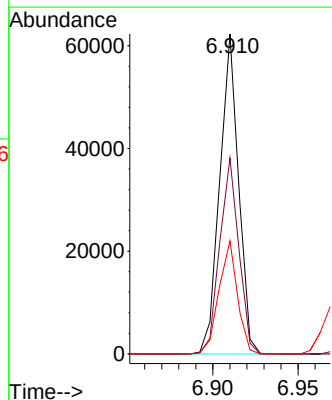
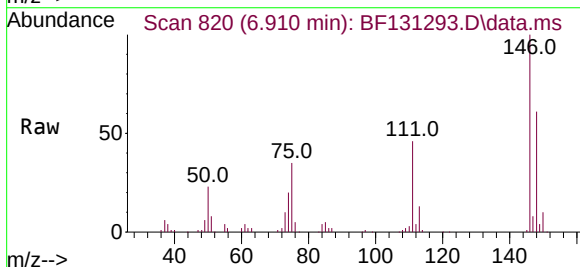
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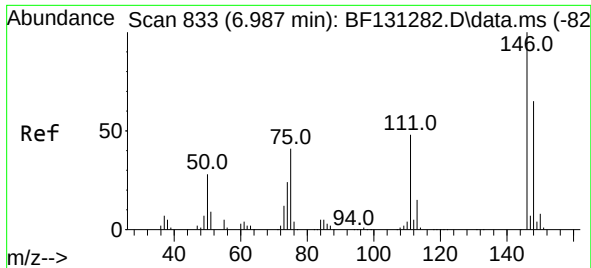
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#12
1,3-Dichlorobenzene
Concen: 8.480 ng
RT: 6.910 min Scan# 820
Delta R.T. -0.000 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

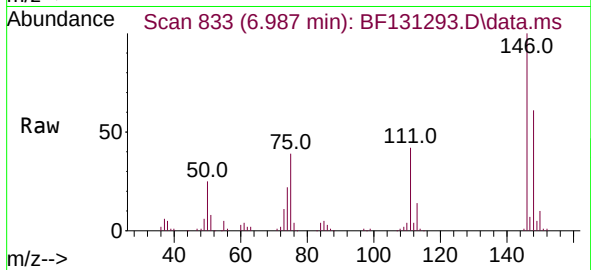
Tgt Ion:146 Resp: 47732
Ion Ratio Lower Upper
146 100
148 61.2 50.4 75.6
75 35.3 30.9 46.3





#13
1,4-Dichlorobenzene
Concen: 8.409 ng
RT: 6.987 min Scan# 841
Delta R.T. -0.000 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

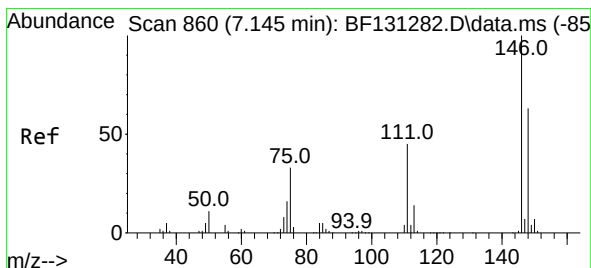
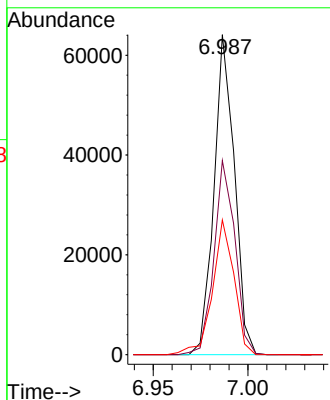
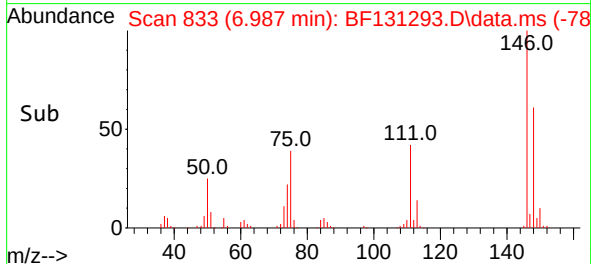
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



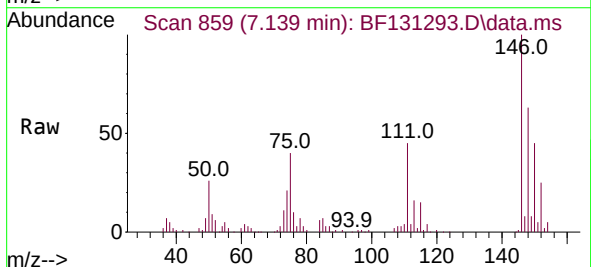
Tgt Ion:146 Resp: 48125
Ion Ratio Lower Upper
146 100
148 60.6 51.9 77.9
111 42.1 38.3 57.5

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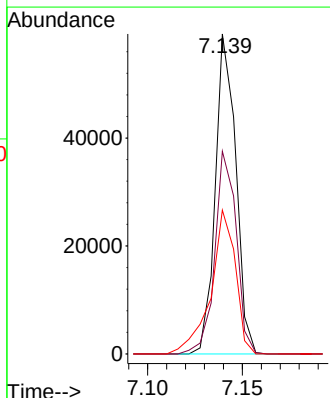
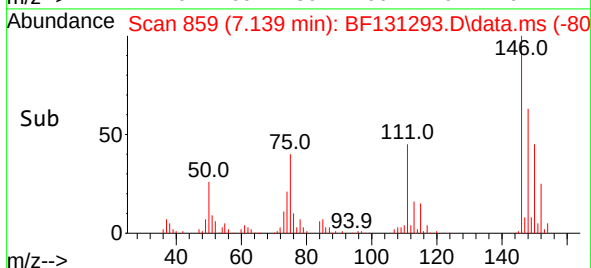
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

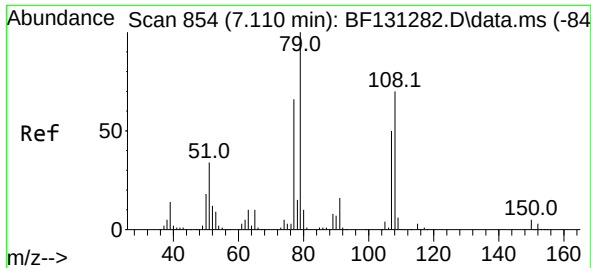


#14
1,2-Dichlorobenzene
Concen: 8.341 ng
RT: 7.139 min Scan# 859
Delta R.T. -0.006 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54



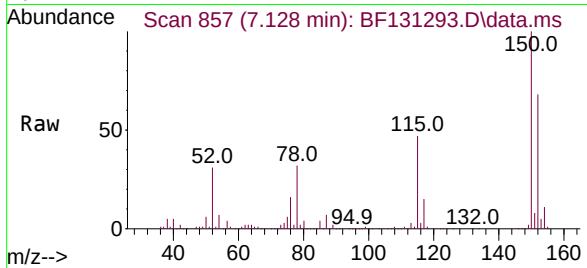
Tgt Ion:146 Resp: 44433
Ion Ratio Lower Upper
146 100
148 63.3 50.6 75.8
111 44.9 36.4 54.6





#15
Benzyl Alcohol
Concen: 2.263 ng
RT: 7.128 min Scan# 81
Delta R.T. 0.018 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

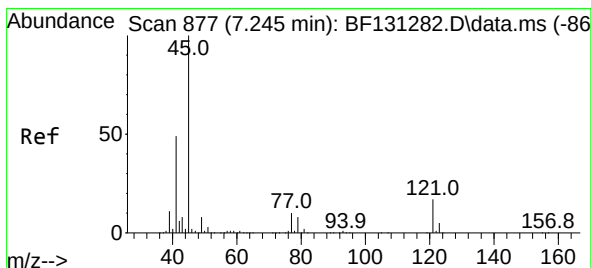
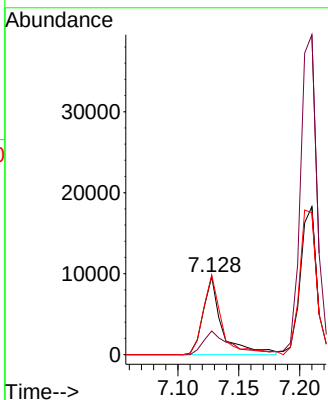
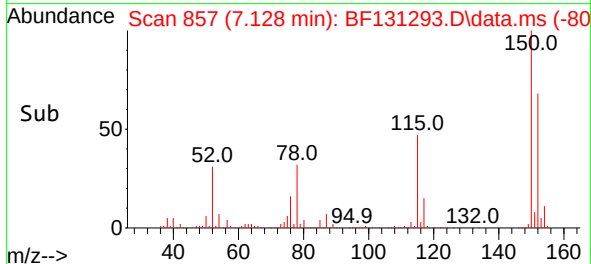
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



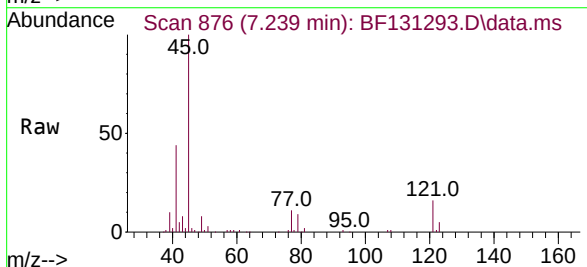
Tgt Ion: 79 Resp: 1044
Ion Ratio Lower Upper
79 100
108 30.4 56.3 84.5
77 102.4 52.5 78.7

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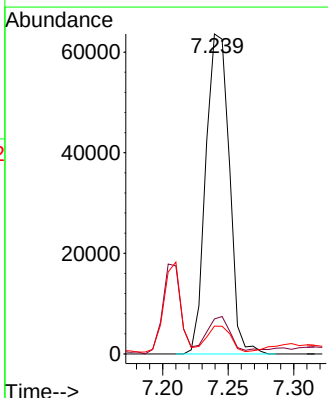
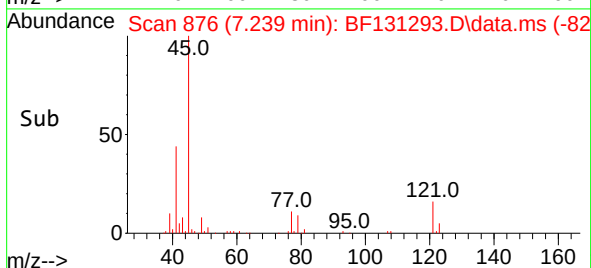
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

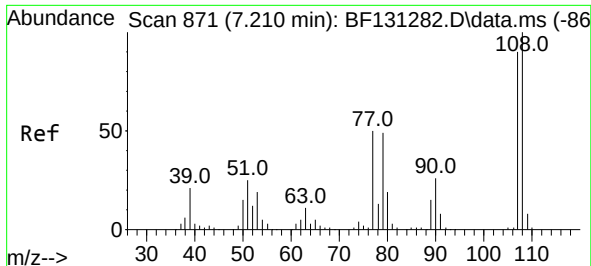


#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.685 ng
RT: 7.239 min Scan# 876
Delta R.T. -0.006 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54



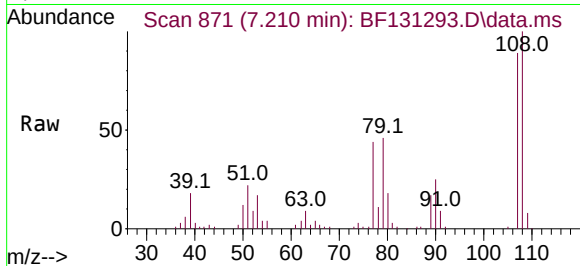
Tgt Ion: 45 Resp: 79385
Ion Ratio Lower Upper
45 100
77 11.0 0.0 30.8
79 8.7 0.0 28.4





#17
2-Methylphenol
Concen: 8.061 ng
RT: 7.210 min Scan# 871
Delta R.T. -0.000 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

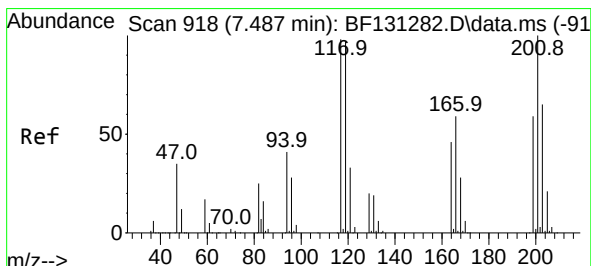
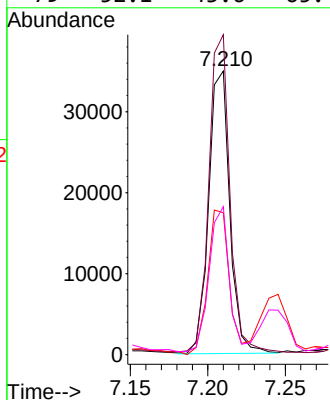
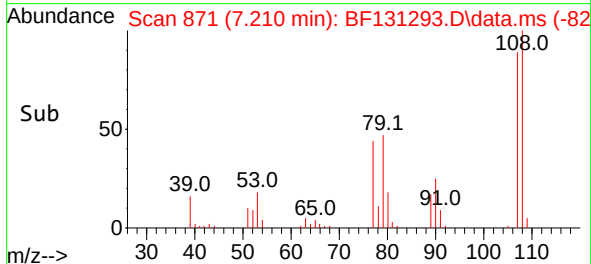
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:107 Resp: 33345
Ion Ratio Lower Upper
107 100
108 112.8 89.2 133.8
77 50.0 45.0 67.4
79 52.1 43.6 65.4

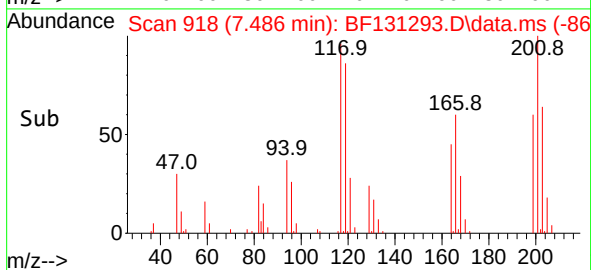
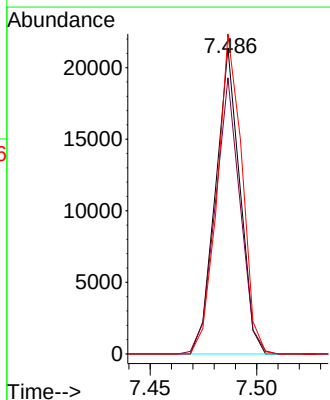
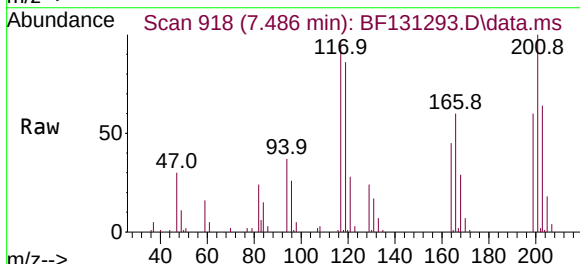
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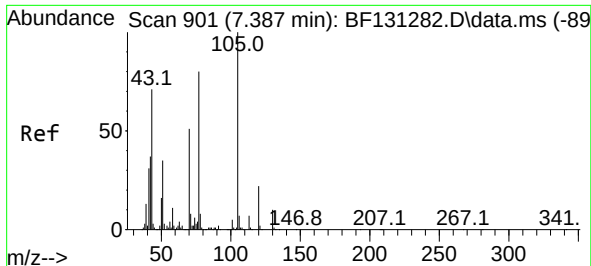
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#18
Hexachloroethane
Concen: 8.346 ng
RT: 7.486 min Scan# 918
Delta R.T. -0.000 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

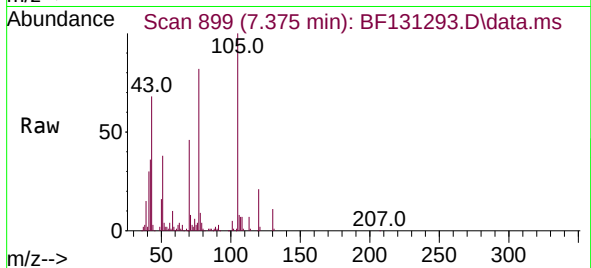
Tgt Ion:117 Resp: 16983
Ion Ratio Lower Upper
117 100
119 90.2 79.0 118.4
201 104.6 81.7 122.5





#19
n-Nitroso-di-n-propylamine
Concen: 8.210 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

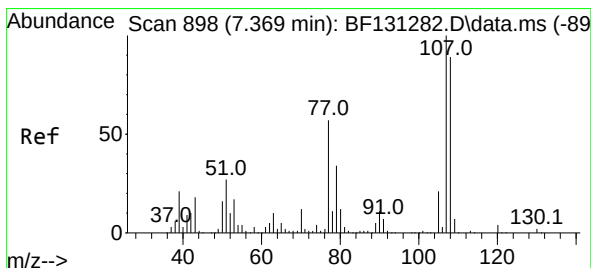
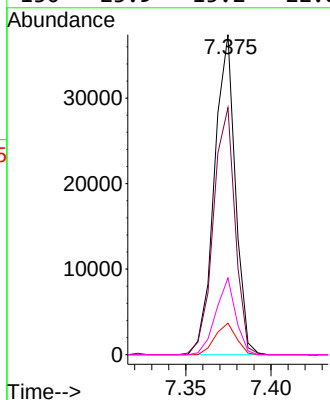
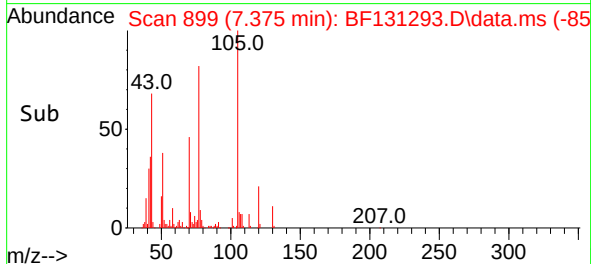
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion: 70 Resp: 31998
Ion Ratio Lower Upper
70 100
42 77.2 58.9 88.3
101 9.8 7.2 10.8
130 23.9 15.2 22.8#

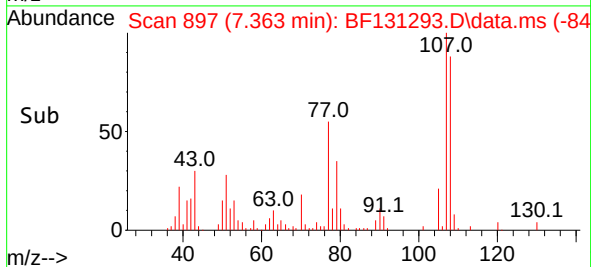
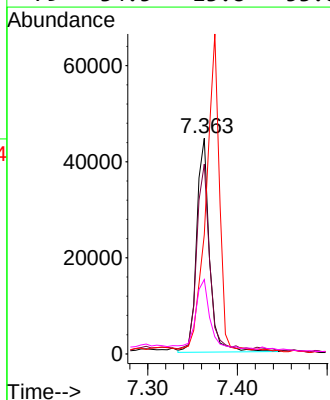
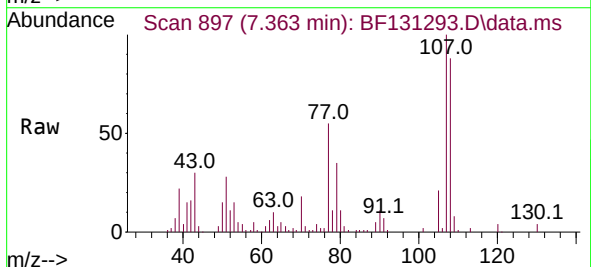
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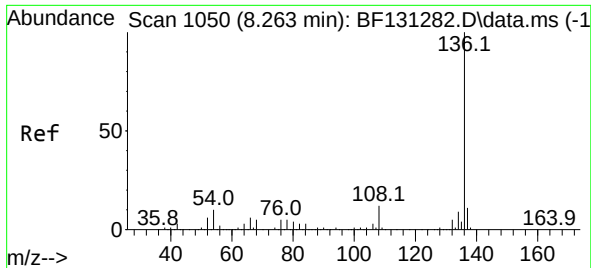
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#20
3+4-Methylphenols
Concen: 8.331 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

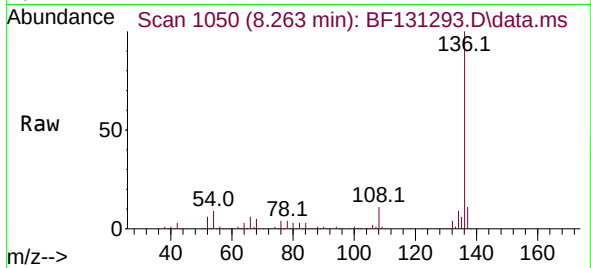
Tgt Ion:107 Resp: 44011
Ion Ratio Lower Upper
107 100
108 88.0 69.0 109.0
77 55.2 36.9 76.9
79 34.5 13.8 53.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.263 min Scan# 1050
Delta R.T. -0.000 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

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

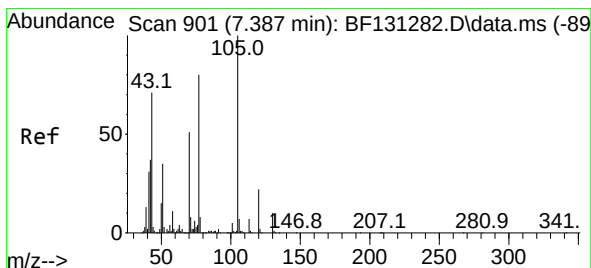
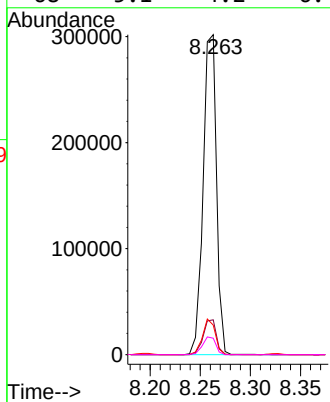
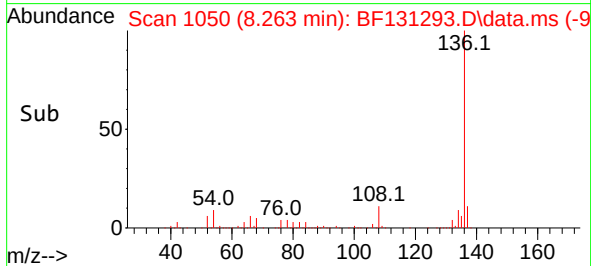


Tgt Ion:136 Resp: 278174

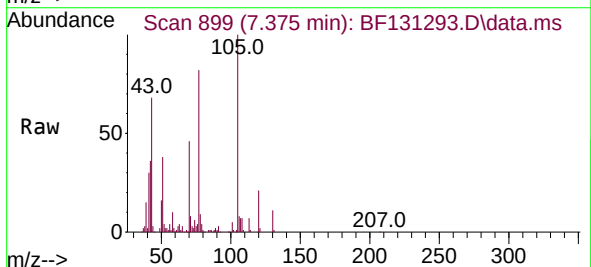
Ion	Ratio	Lower	Upper
136	100		
137	10.9	8.6	12.8
54	9.2	8.2	12.2
68	5.1	4.2	6.4

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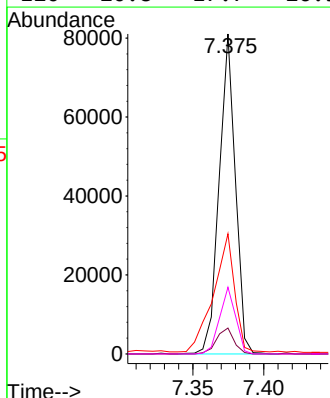
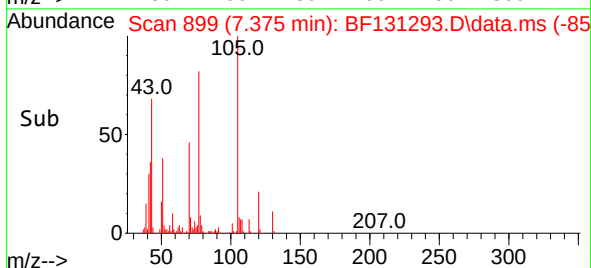


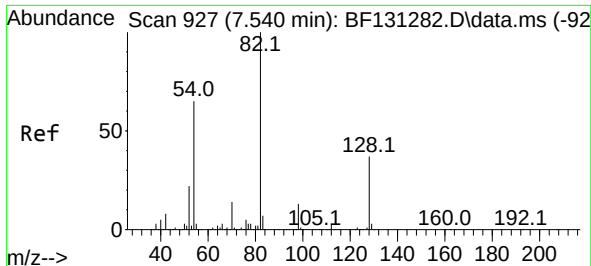
#22
Acetophenone
Concen: 8.783 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54



Tgt Ion:105 Resp: 64563

Ion	Ratio	Lower	Upper
105	100		
71	8.1	6.4	9.6
51	37.5	28.0	42.0
120	20.8	17.7	26.5





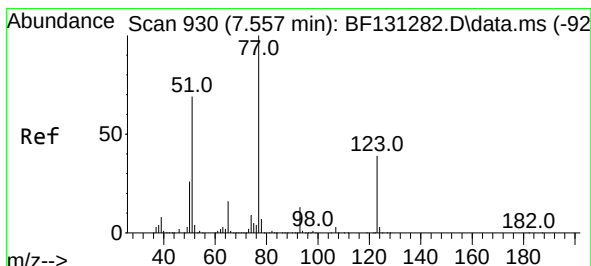
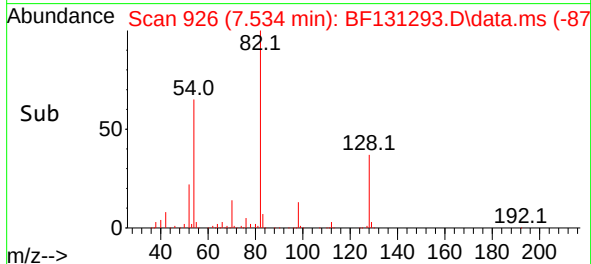
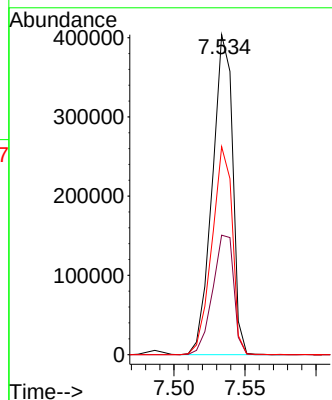
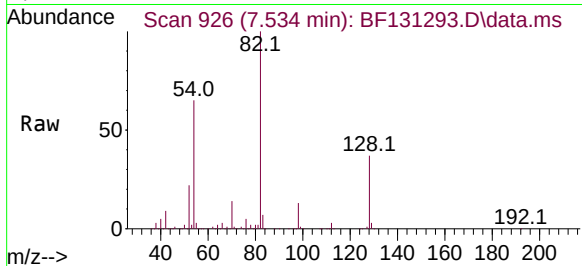
#23
Nitrobenzene-d5
Concen: 77.424 ng
RT: 7.534 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

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

Tgt Ion: 82 Resp: 403189
Ion Ratio Lower Upper
82 100
128 37.3 29.2 43.8
54 65.0 52.2 78.4

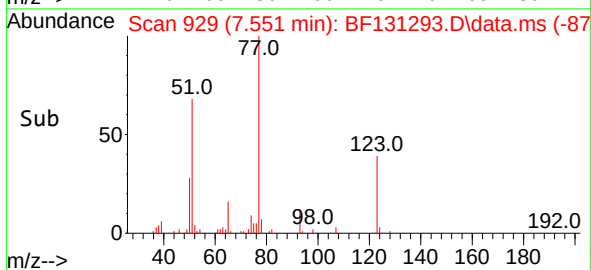
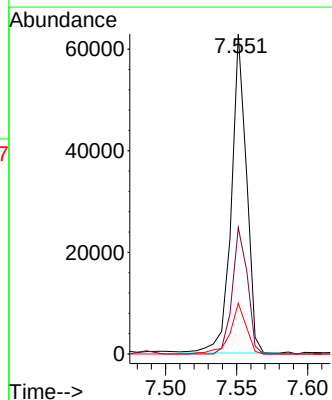
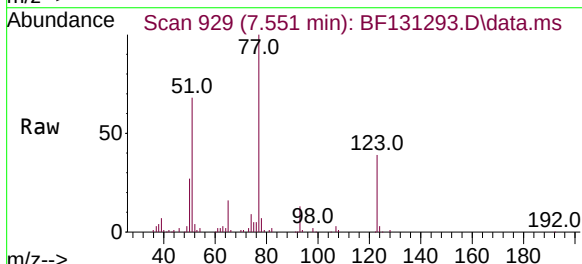
Manual Integrations
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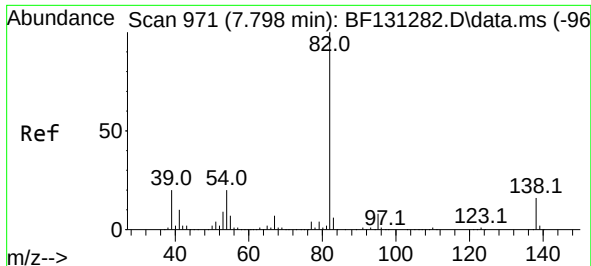
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#24
Nitrobenzene
Concen: 8.792 ng
RT: 7.551 min Scan# 929
Delta R.T. -0.006 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

Tgt Ion: 77 Resp: 46343
Ion Ratio Lower Upper
77 100
123 39.5 31.0 46.6
65 15.8 12.6 19.0





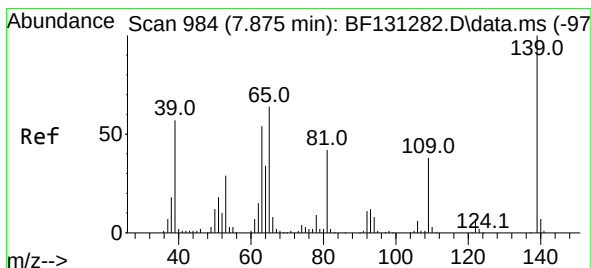
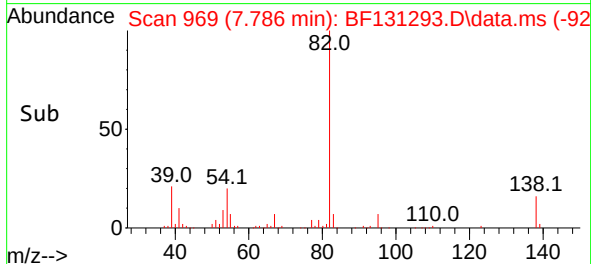
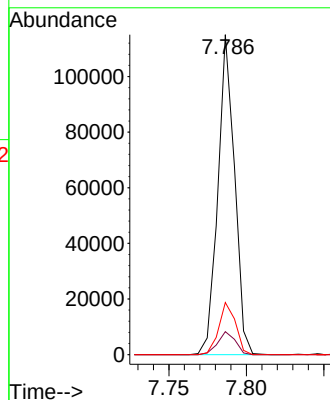
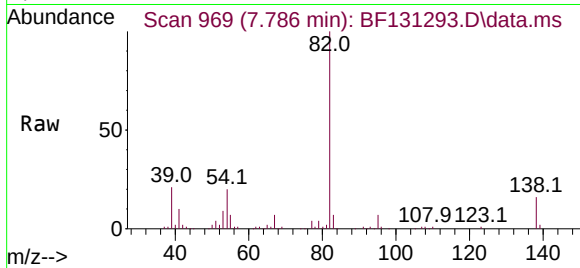
#25
Isophorone
Concen: 8.680 ng
RT: 7.786 min Scan# 90
Delta R.T. -0.012 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

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

Tgt Ion: 82 Resp: 86304
Ion Ratio Lower Upper
82 100
95 7.2 6.6 9.8
138 16.3 13.0 19.6

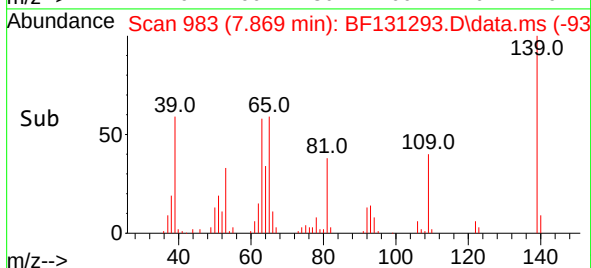
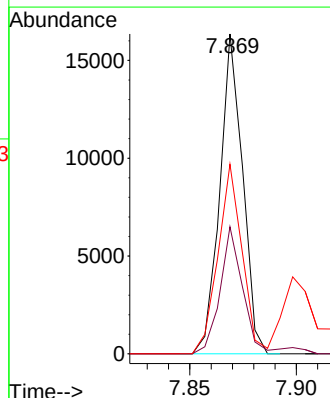
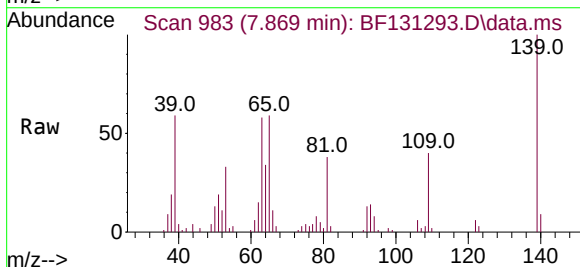
Manual Integrations
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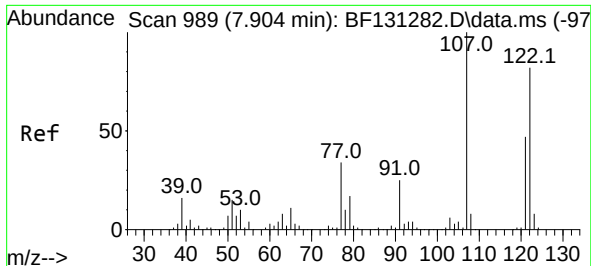
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#26
2-Nitrophenol
Concen: 7.277 ng
RT: 7.869 min Scan# 983
Delta R.T. -0.006 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

Tgt Ion:139 Resp: 12149
Ion Ratio Lower Upper
139 100
109 39.7 30.4 45.6
65 59.3 51.5 77.3





#27

2,4-Dimethylphenol

Concen: 9.541 ng

RT: 7.898 min Scan# 98

Delta R.T. -0.006 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

Instrument :

BNA_F

ClientSampleId :

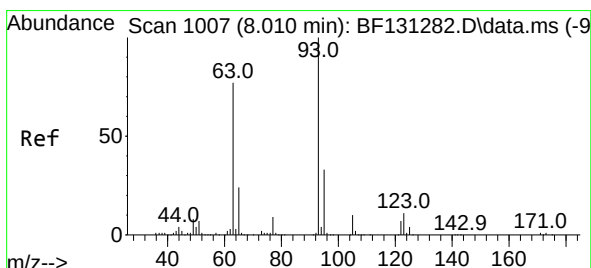
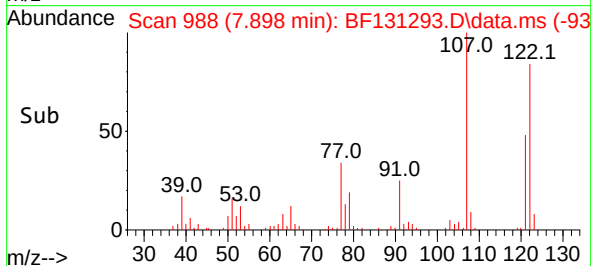
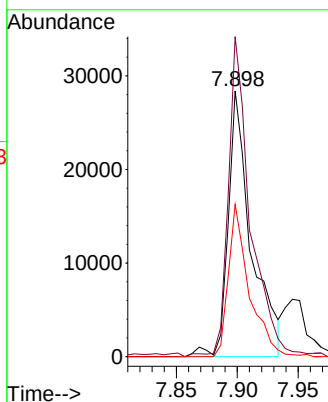
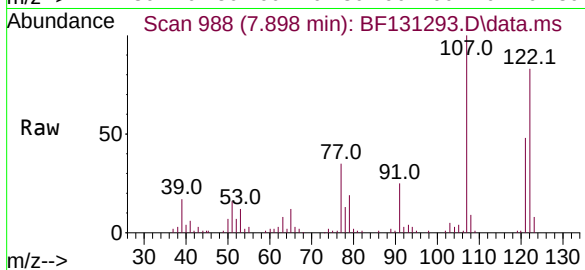
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:122 Resp: 37294
 Ion Ratio Lower Upper
 122 100
 107 120.5 98.2 147.2
 121 57.3 46.3 69.5

Manual Integrations

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 Supervised By :Jagrut Upadhyay 11/21/2022



#28

bis(2-Chloroethoxy)methane

Concen: 9.407 ng

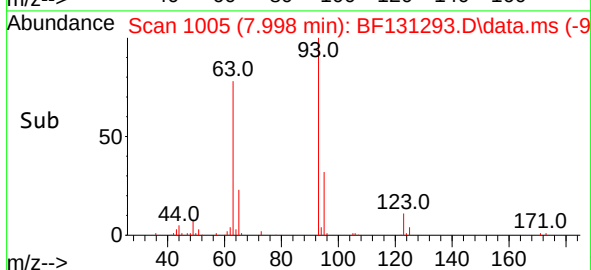
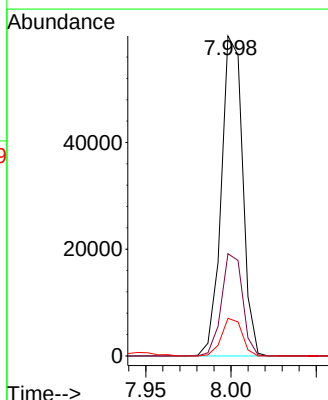
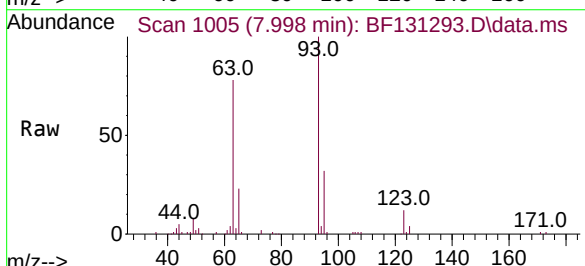
RT: 7.998 min Scan# 1005

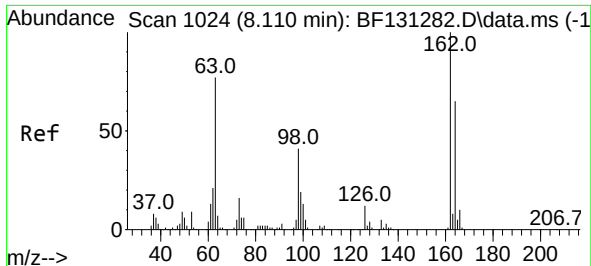
Delta R.T. -0.012 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

Tgt Ion: 93 Resp: 52242
 Ion Ratio Lower Upper
 93 100
 95 31.9 26.4 39.6
 123 11.7 9.3 13.9





#29

2,4-Dichlorophenol

Concen: 8.147 ng

RT: 8.104 min Scan# 1023

Delta R.T. -0.006 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

Instrument :

BNA_F

ClientSampleId :

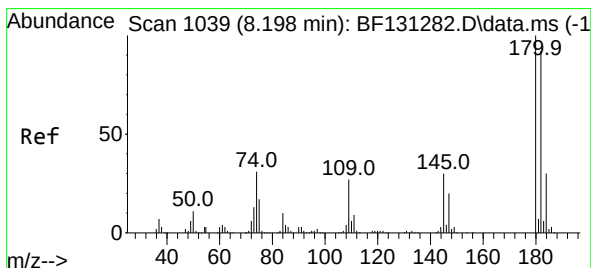
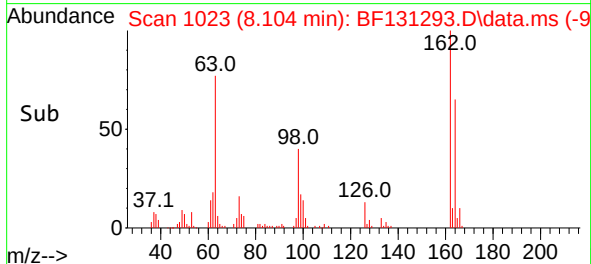
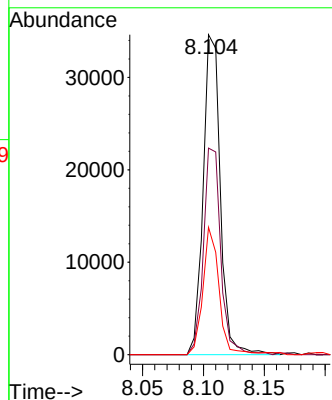
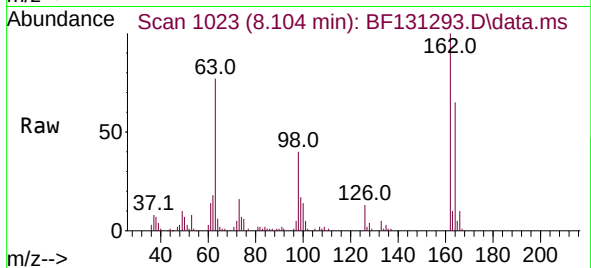
LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:	162	Resp:	3410
Ion Ratio	Lower	Upper	
162	100		
164	64.5	44.7	84.7
98	39.8	21.5	61.5

Manual Integrations

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Supervised By :Jagrut Upadhyay 11/21/2022



#30

1,2,4-Trichlorobenzene

Concen: 8.165 ng

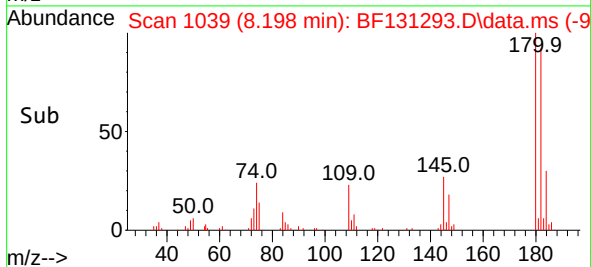
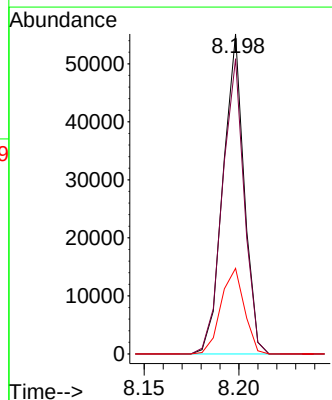
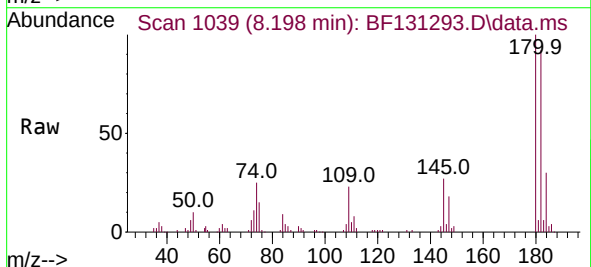
RT: 8.198 min Scan# 1039

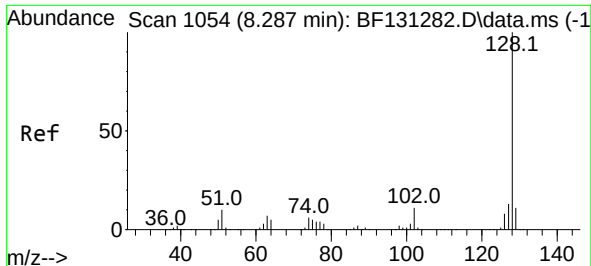
Delta R.T. 0.000 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

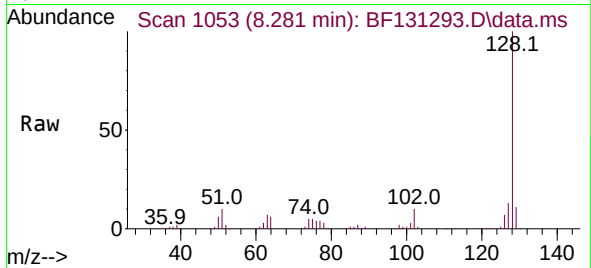
Tgt Ion:	180	Resp:	42436
Ion Ratio	Lower	Upper	
180	100		
182	92.2	74.0	111.0
145	26.7	23.8	35.6





#31
Naphthalene
Concen: 8.266 ng
RT: 8.281 min Scan# 1053
Delta R.T. -0.006 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

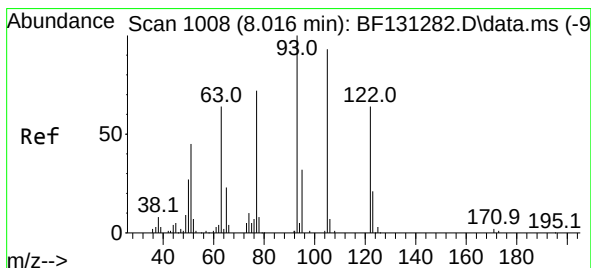
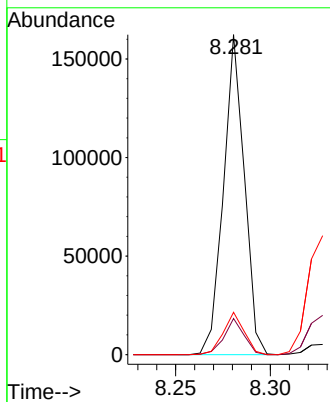
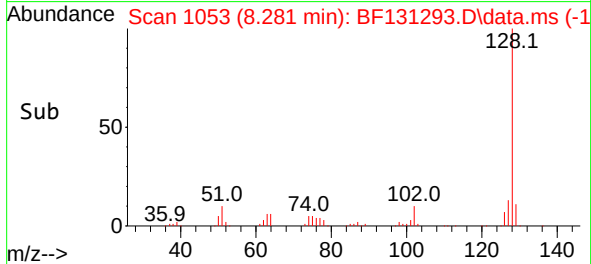
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:128 Resp: 124692
Ion Ratio Lower Upper
128 100
129 11.3 8.6 13.0
127 13.2 10.6 16.0

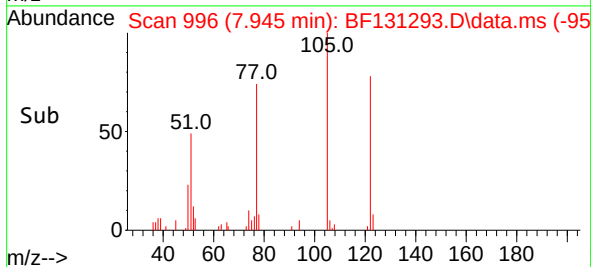
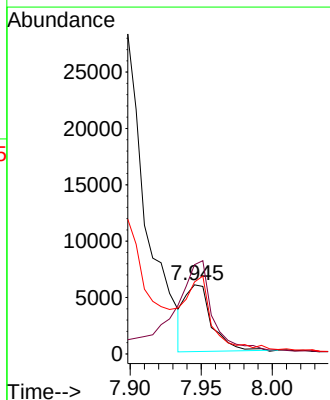
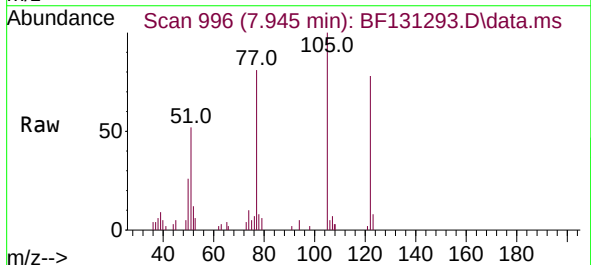
Manual Integrations
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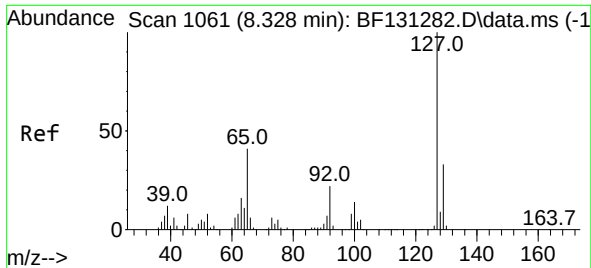
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#32
Benzoic acid
Concen: 3.316 ng
RT: 7.945 min Scan# 996
Delta R.T. -0.071 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

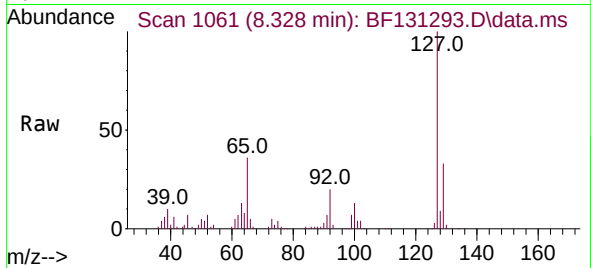
Tgt Ion:122 Resp: 7753
Ion Ratio Lower Upper
122 100
105 129.0 121.4 161.4
77 104.1 91.2 131.2





#33
4-Chloroaniline
Concen: 8.633 ng
RT: 8.328 min Scan# 1061
Delta R.T. -0.000 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

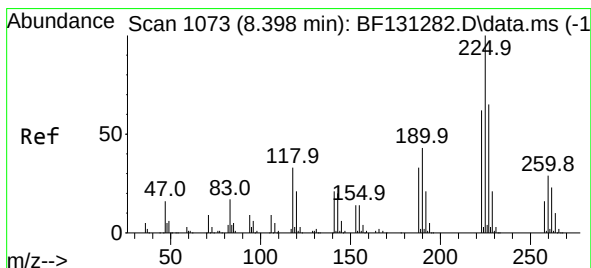
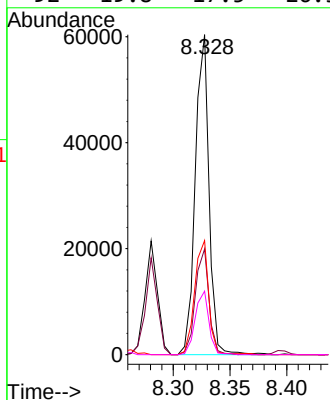
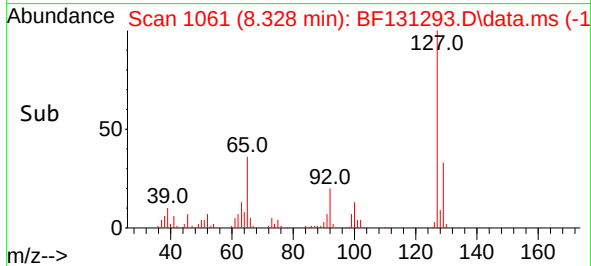
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:127 Resp: 50582
Ion Ratio Lower Upper
127 100
129 33.0 26.6 40.0
65 35.6 33.2 49.8
92 19.8 17.5 26.3

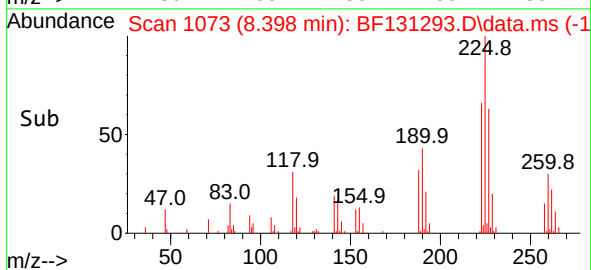
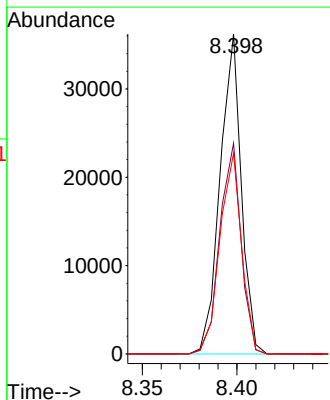
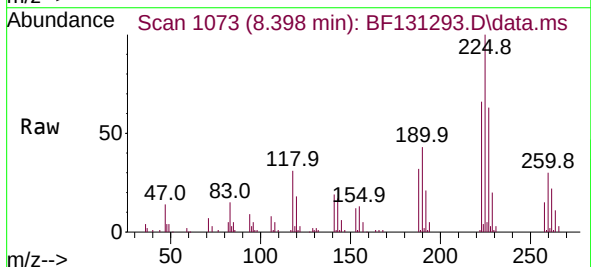
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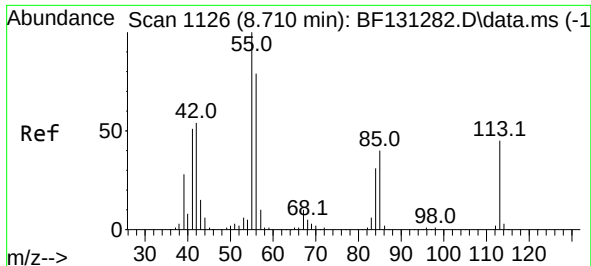
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#34
Hexachlorobutadiene
Concen: 8.194 ng
RT: 8.398 min Scan# 1073
Delta R.T. -0.000 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

Tgt Ion:225 Resp: 28143
Ion Ratio Lower Upper
225 100
223 65.8 49.4 74.2
227 62.7 51.7 77.5





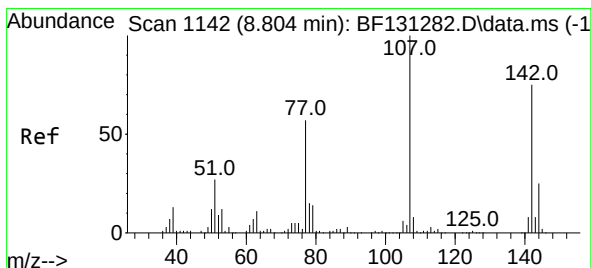
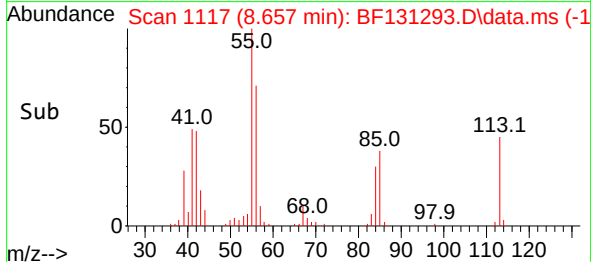
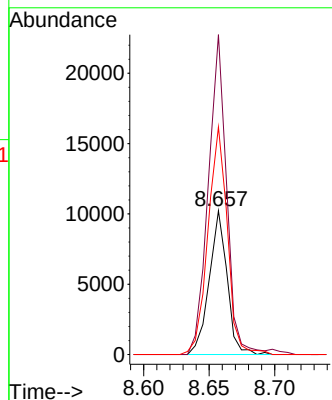
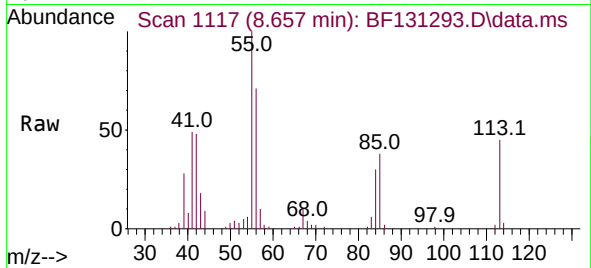
#35
 Caprolactam
 Concen: 8.320 ng
 RT: 8.657 min Scan# 1117
 Delta R.T. -0.053 min
 Lab File: BF131293.D
 Acq: 18 Nov 2022 10:54

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

Tgt Ion:113 Resp: 969
 Ion Ratio Lower Upper
 113 100
 55 222.6 200.6 240.6
 56 158.3 154.5 194.5

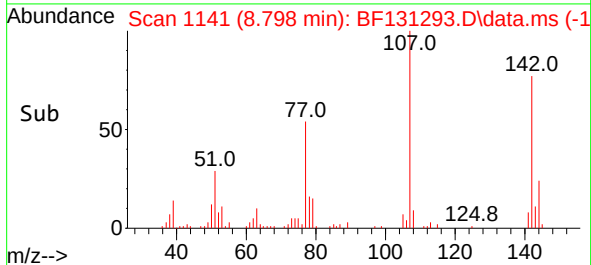
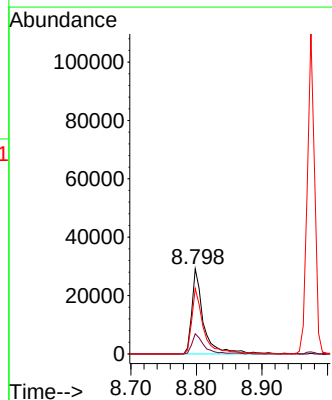
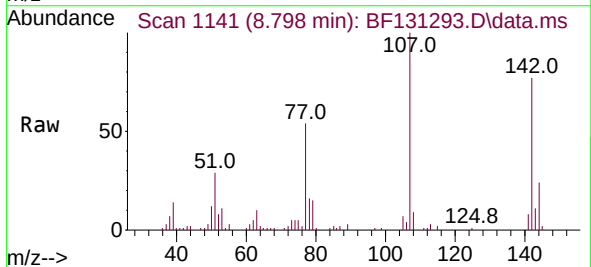
Manual Integrations
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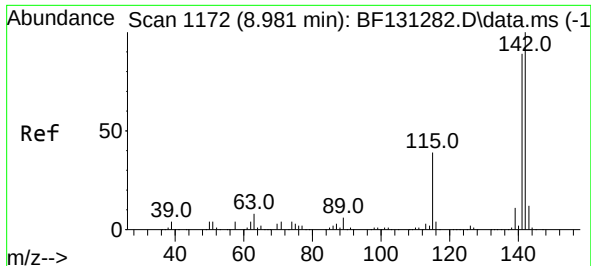
Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022



#36
 4-Chloro-3-methylphenol
 Concen: 8.014 ng
 RT: 8.798 min Scan# 1141
 Delta R.T. -0.006 min
 Lab File: BF131293.D
 Acq: 18 Nov 2022 10:54

Tgt Ion:107 Resp: 36160
 Ion Ratio Lower Upper
 107 100
 144 23.5 19.6 29.4
 142 76.8 60.1 90.1





#37

2-Methylnaphthalene

Concen: 8.452 ng

RT: 8.975 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

Tgt Ion:142 Resp: 85922

Ion Ratio Lower Upper

142 100

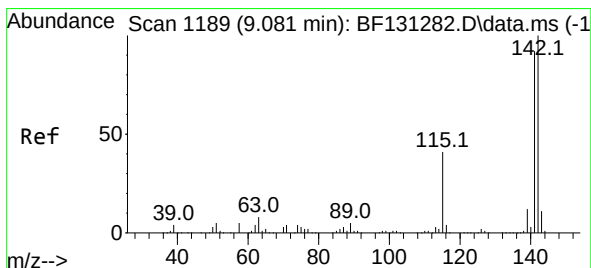
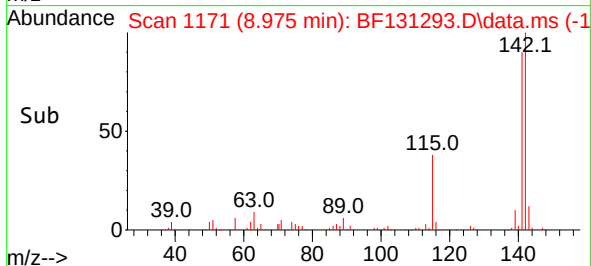
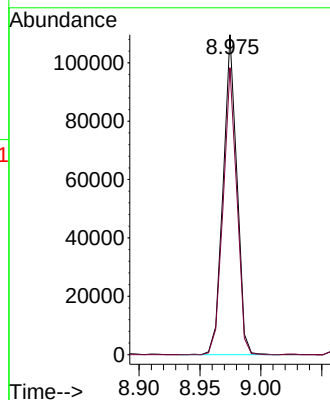
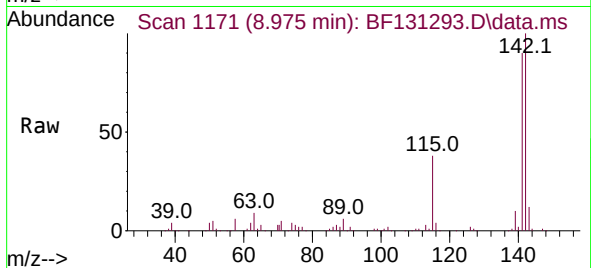
141 89.7 71.4 107.2

Manual Integrations

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Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#38

1-Methylnaphthalene

Concen: 8.361 ng

RT: 9.075 min Scan# 1188

Delta R.T. -0.006 min

Lab File: BF131293.D

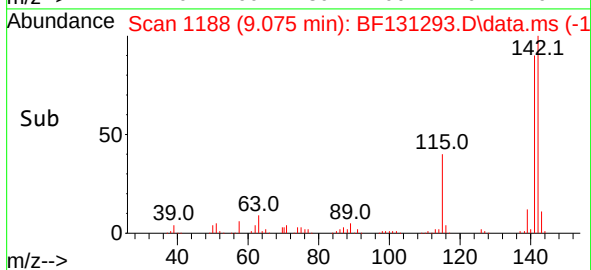
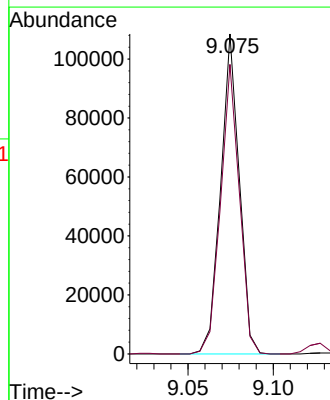
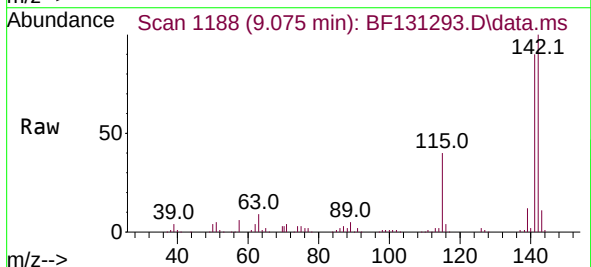
Acq: 18 Nov 2022 10:54

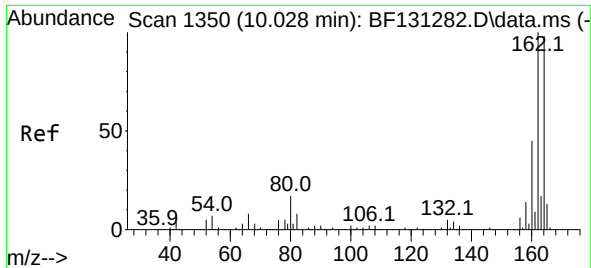
Tgt Ion:142 Resp: 82362

Ion Ratio Lower Upper

142 100

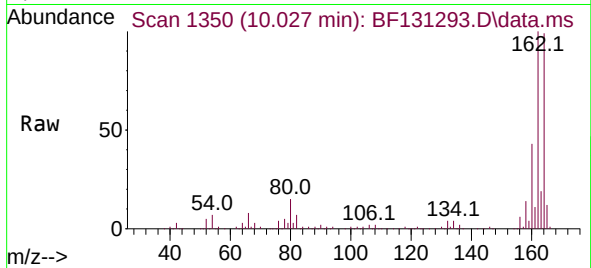
141 90.5 74.0 111.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.027 min Scan# 1199
Delta R.T. -0.001 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

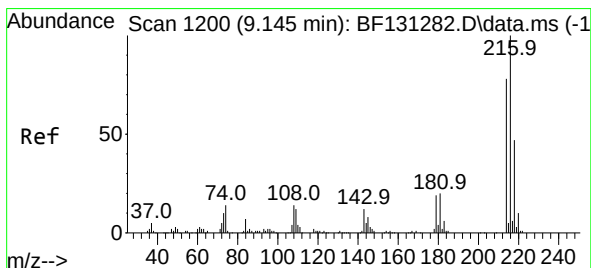
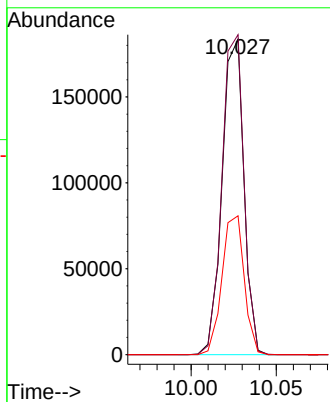
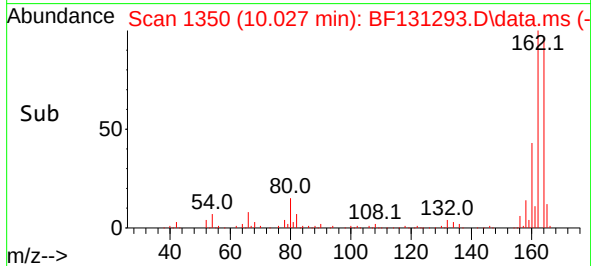
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:164 Resp: 163427
Ion Ratio Lower Upper
164 100
162 101.5 81.8 122.6
160 44.0 36.6 54.8

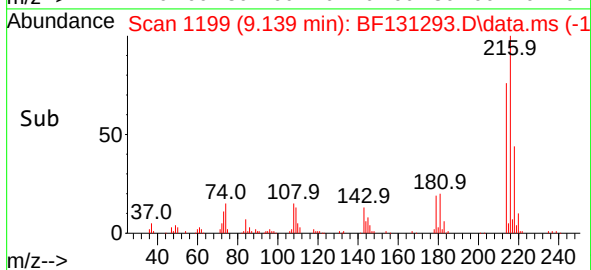
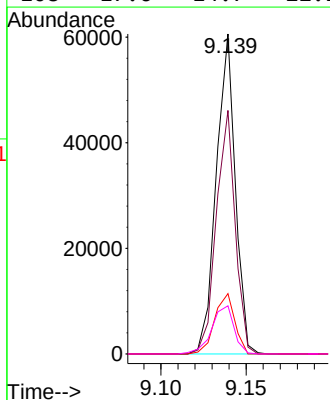
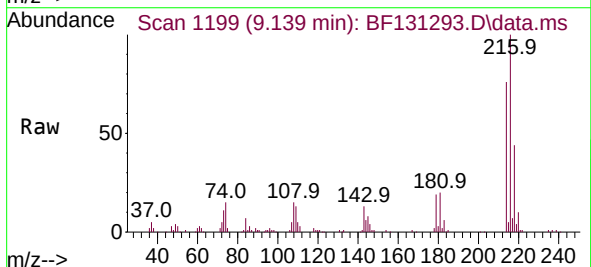
Manual Integrations
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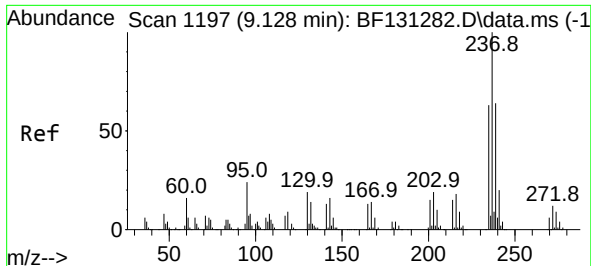
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.807 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

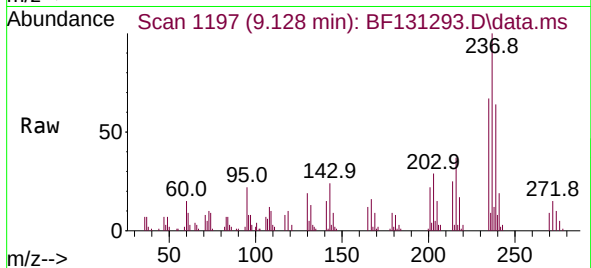
Tgt Ion:216 Resp: 47095
Ion Ratio Lower Upper
216 100
214 75.3 62.5 93.7
179 19.9 16.7 25.1
108 17.6 14.7 22.1





#41
Hexachlorocyclopentadiene
Concen: 8.223 ng
RT: 9.128 min Scan# 1197
Delta R.T. -0.000 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

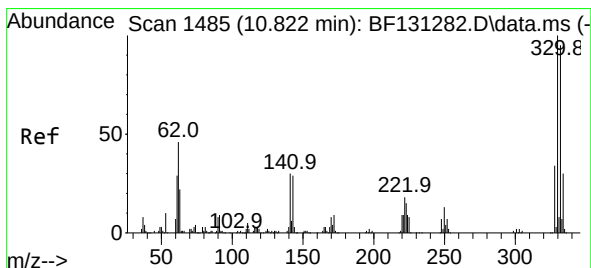
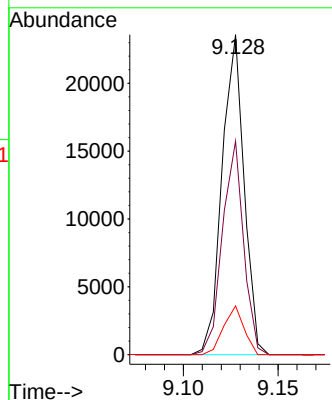
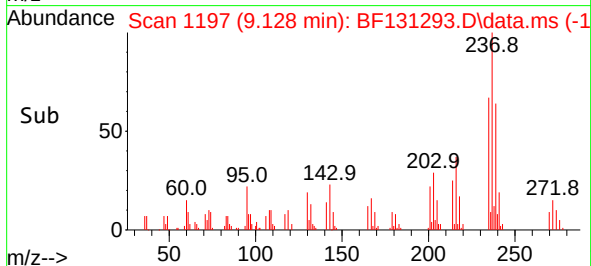
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022



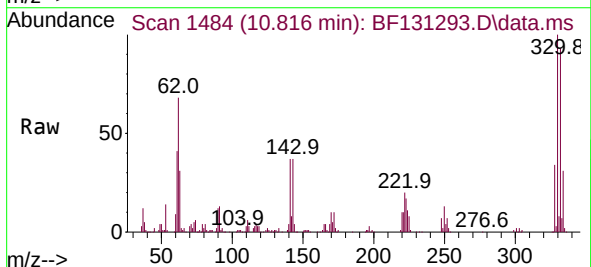
Tgt Ion: 237 Resp: 1902
Ion Ratio Lower Upper
237 100
235 66.7 42.7 82.7
272 15.2 0.0 31.6

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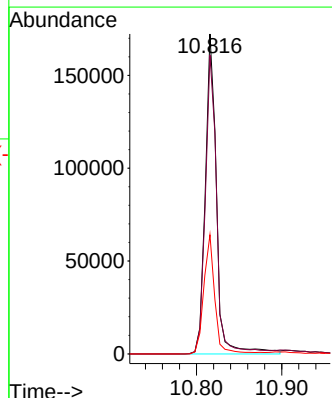
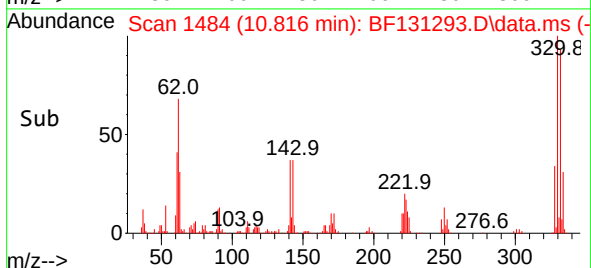
Reviewed By : Christian Giraldo 11/21/2022
Supervised By : Jagrut Upadhyay 11/21/2022

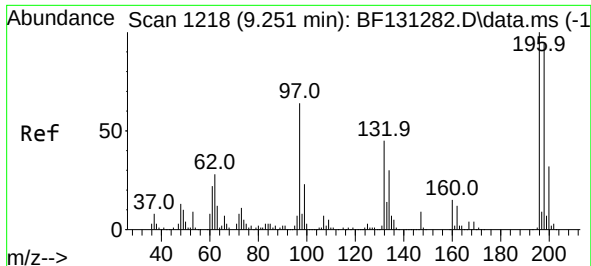


#42
2,4,6-Tribromophenol
Concen: 107.864 ng
RT: 10.816 min Scan# 1484
Delta R.T. -0.006 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54



Tgt Ion: 330 Resp: 156923
Ion Ratio Lower Upper
330 100
332 94.2 75.4 113.0
141 36.5 30.0 45.0





#43

2,4,6-Trichlorophenol

Concen: 5.883 ng

RT: 9.251 min Scan# 1218

Delta R.T. -0.000 min

Lab File: BF131293.D

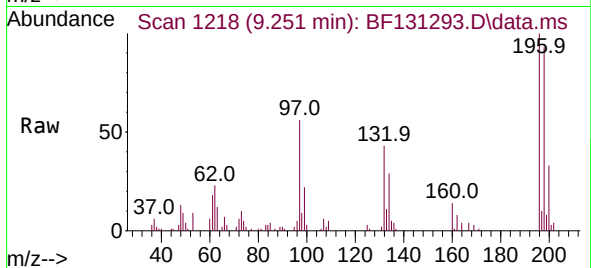
Acq: 18 Nov 2022 10:54

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022



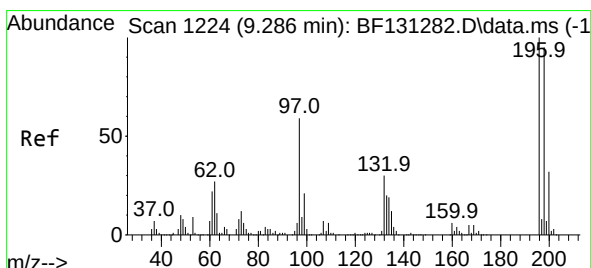
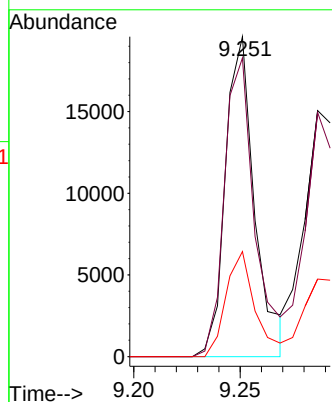
Tgt Ion:196	Resp:	18705
Ion Ratio	Lower	Upper
196	100	
198	93.3	74.8 112.2
200	32.8	25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#44

2,4,5-Trichlorophenol

Concen: 8.597 ng

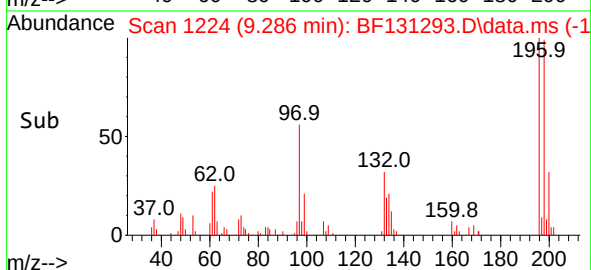
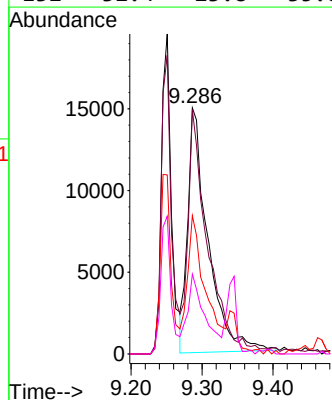
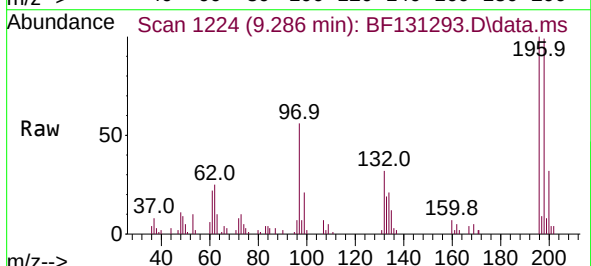
RT: 9.286 min Scan# 1224

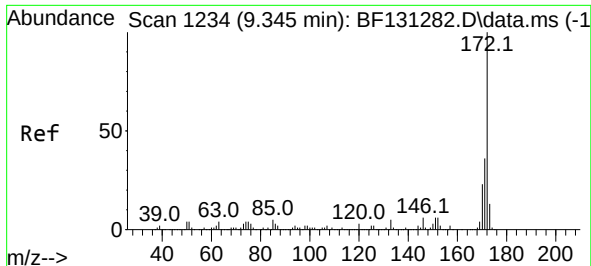
Delta R.T. -0.000 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

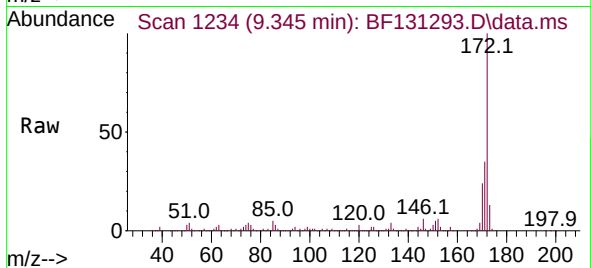
Tgt Ion:196	Resp:	29780
Ion Ratio	Lower	Upper
196	100	
198	99.2	75.6 113.4
97	56.2	47.4 71.0
132	32.4	23.8 35.8





#45
2-Fluorobiphenyl
Concen: 73.296 ng
RT: 9.345 min Scan# 1234
Delta R.T. 0.000 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

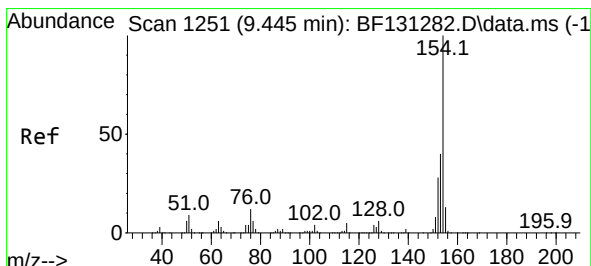
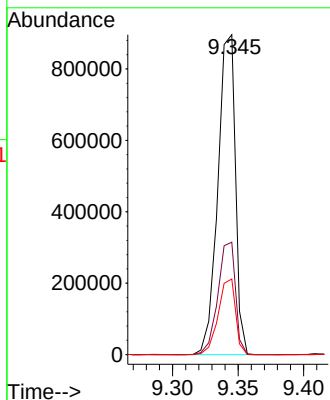
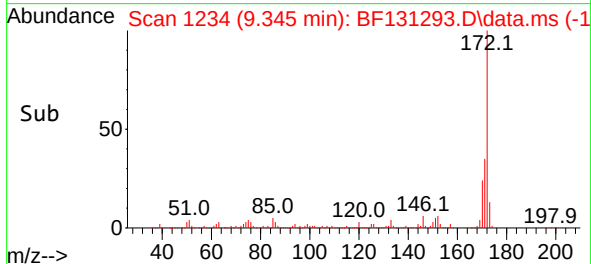
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



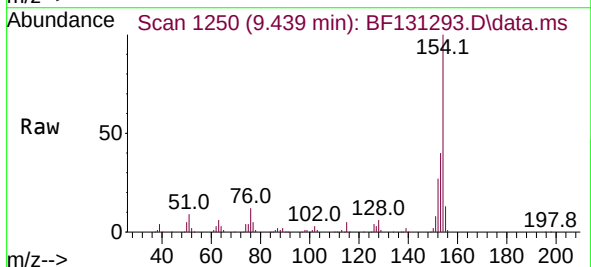
Tgt Ion:172 Resp: 838688
Ion Ratio Lower Upper
172 100
171 35.1 28.5 42.7
170 23.6 18.5 27.7

Manual Integrations
APPROVED

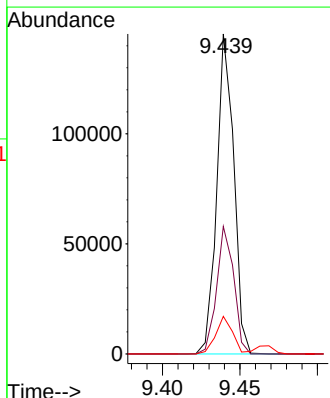
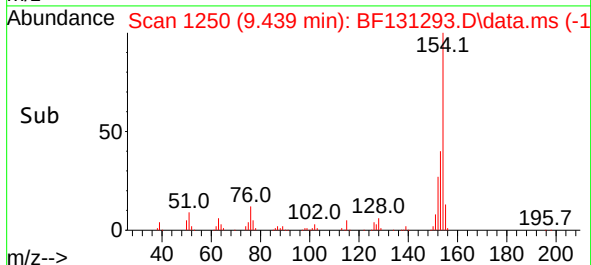
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

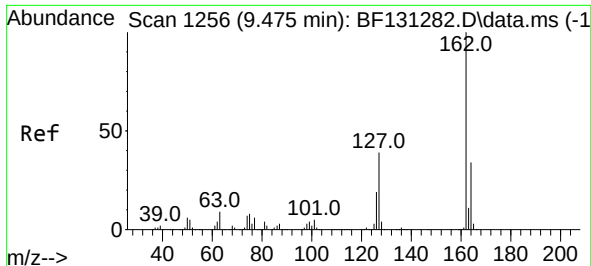


#46
1,1'-Biphenyl
Concen: 8.819 ng
RT: 9.439 min Scan# 1250
Delta R.T. -0.006 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54



Tgt Ion:154 Resp: 111292
Ion Ratio Lower Upper
154 100
153 39.8 20.1 60.1
76 11.7 0.0 31.8





#47

2-Chloronaphthalene

Concen: 8.589 ng

RT: 9.469 min Scan# 1256

Delta R.T. -0.006 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

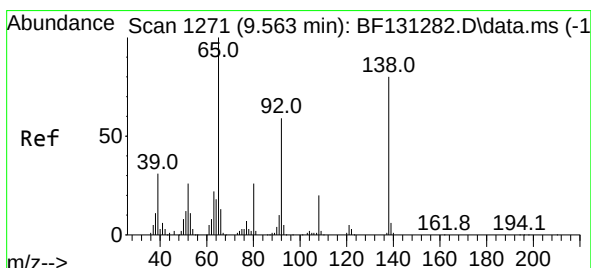
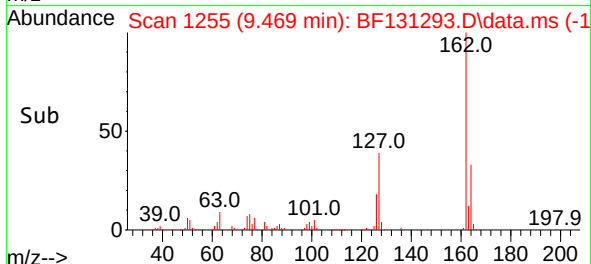
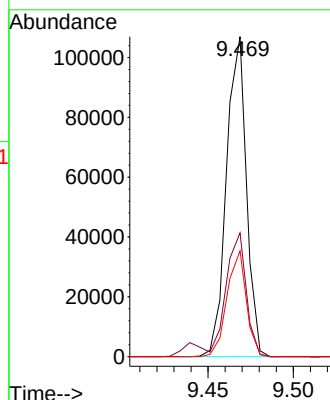
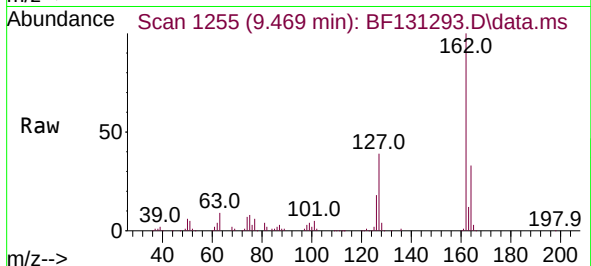
Tgt Ion:162 Resp: 87026

Ion	Ratio	Lower	Upper
162	100		
127	38.7	31.1	46.7
164	33.0	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: 6.893 ng

RT: 9.557 min Scan# 1270

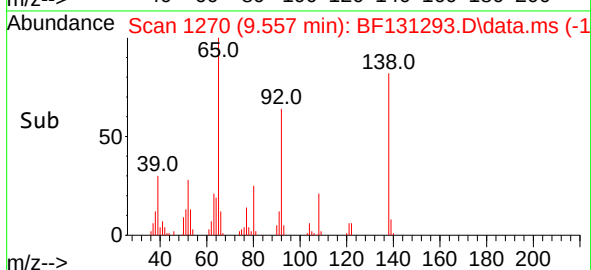
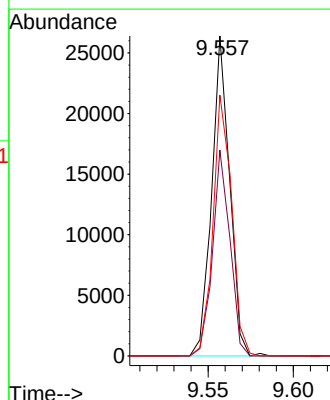
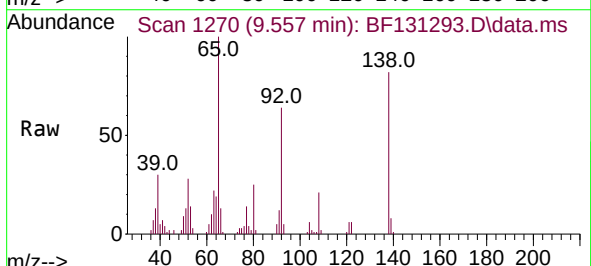
Delta R.T. -0.006 min

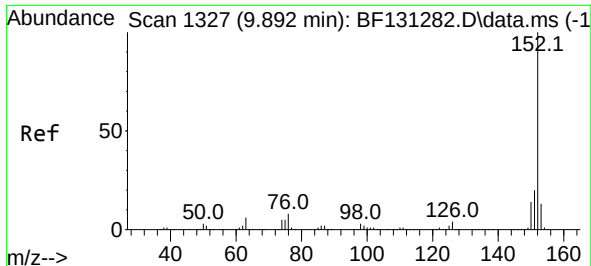
Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

Tgt Ion: 65 Resp: 19305

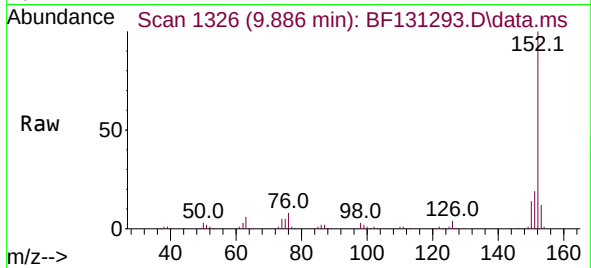
Ion	Ratio	Lower	Upper
65	100		
92	64.3	47.2	70.8
138	81.5	64.2	96.4





#49
Acenaphthylene
Concen: 8.428 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

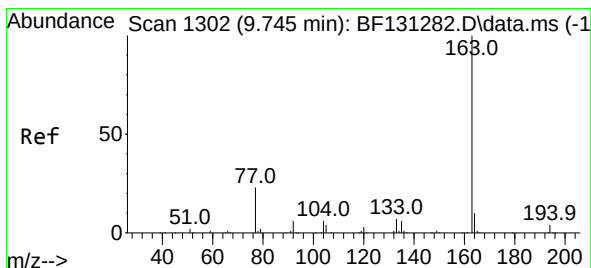
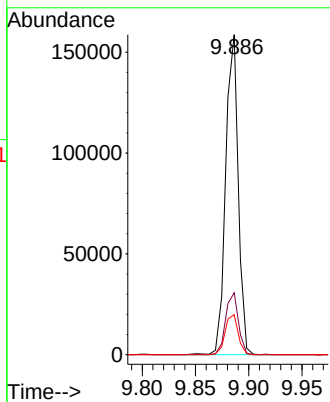
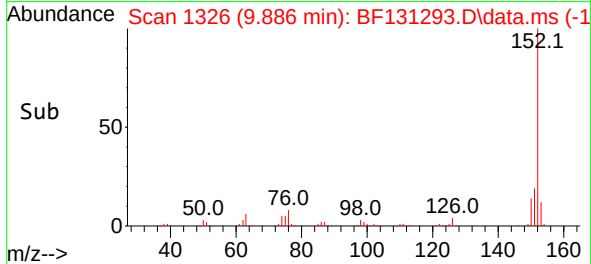
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



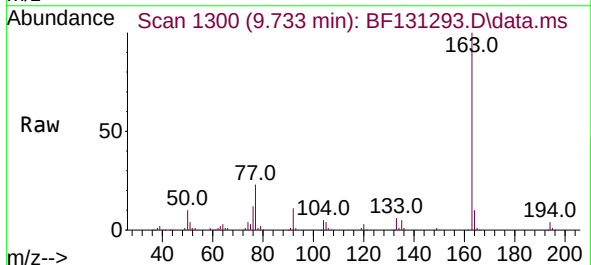
Tgt Ion:152 Resp: 130439
Ion Ratio Lower Upper
152 100
151 19.3 15.9 23.9
153 12.5 10.4 15.6

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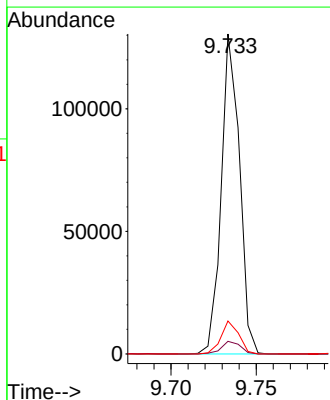
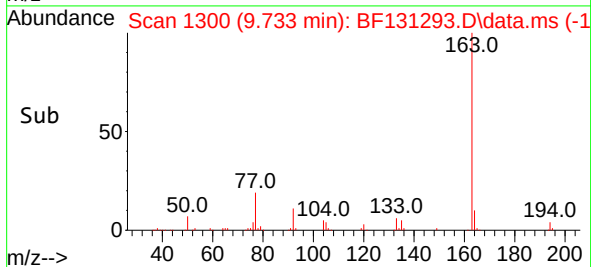
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

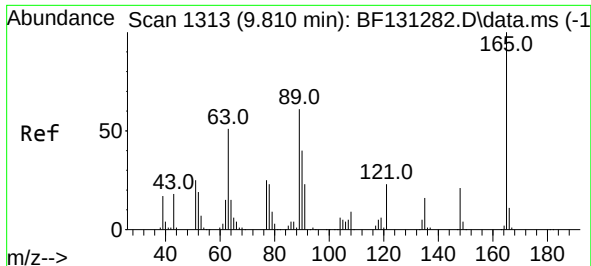


#50
Dimethylphthalate
Concen: 8.192 ng
RT: 9.733 min Scan# 1300
Delta R.T. -0.012 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54



Tgt Ion:163 Resp: 96950
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 10.3 8.4 12.6





#51

2,6-Dinitrotoluene

Concen: 7.940 ng

RT: 9.798 min Scan# 1311

Delta R.T. -0.012 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

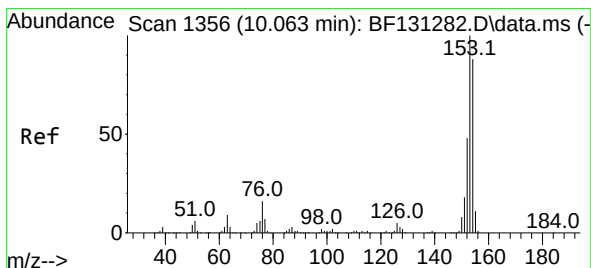
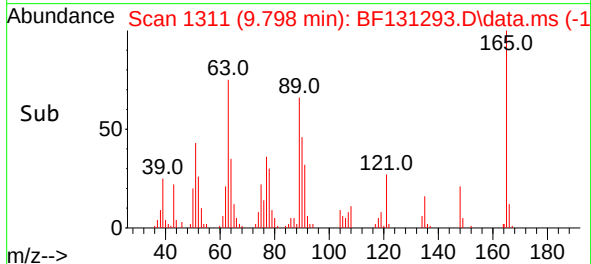
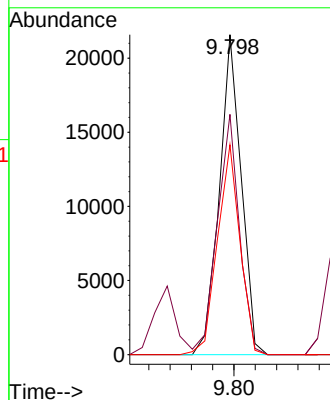
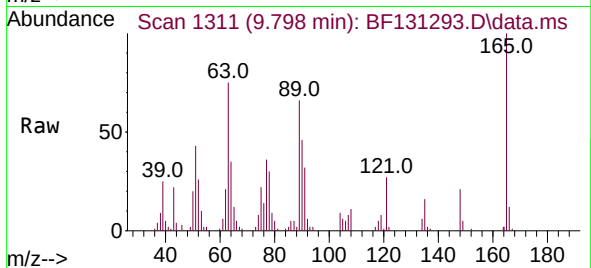
Tgt Ion:165	Resp:	15434
Ion Ratio	Lower	Upper
165	100	
63	75.1	53.3 79.9
89	65.6	49.4 74.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#52

Acenaphthene

Concen: 8.182 ng

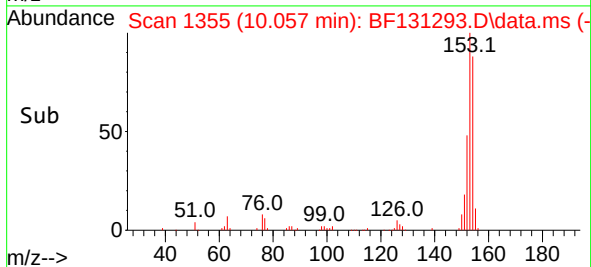
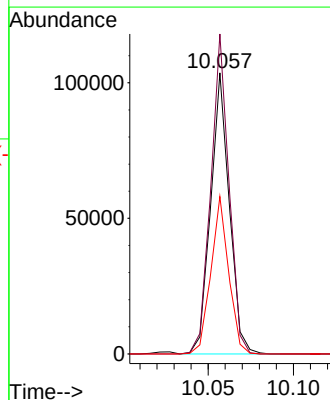
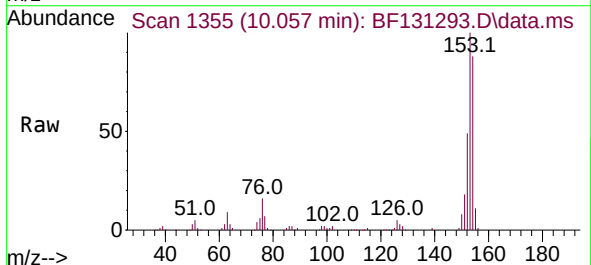
RT: 10.057 min Scan# 1355

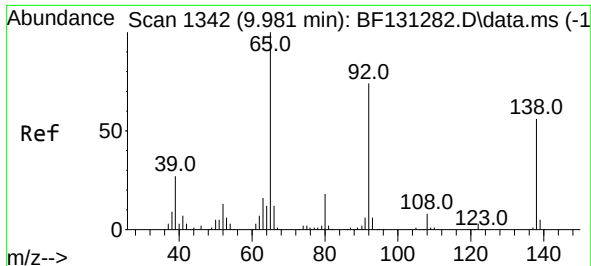
Delta R.T. -0.006 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

Tgt Ion:154	Resp:	79014
Ion Ratio	Lower	Upper
154	100	
153	113.9	90.7 136.1
152	56.0	43.1 64.7





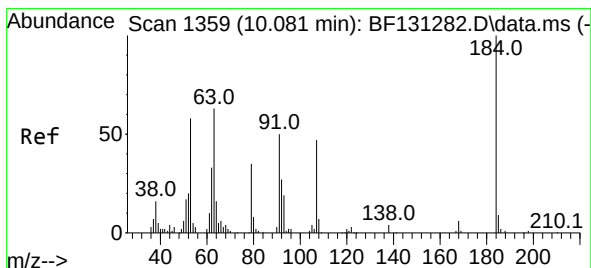
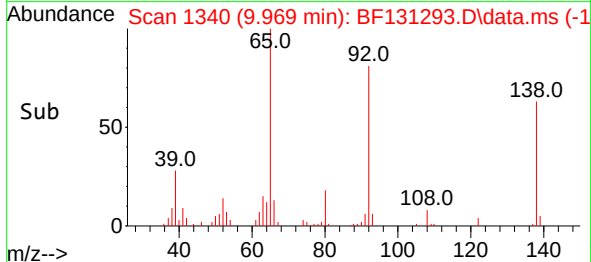
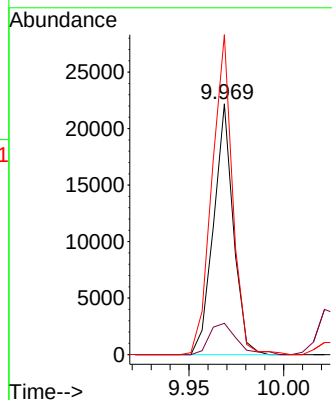
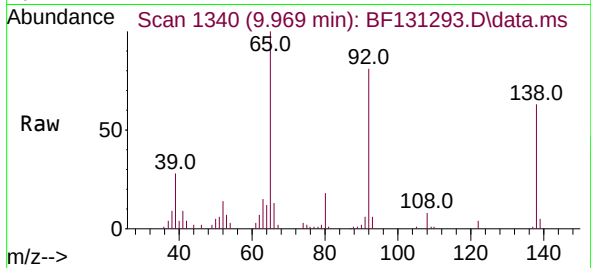
#53
3-Nitroaniline
Concen: 7.849 ng
RT: 9.969 min Scan# 1342
Delta R.T. -0.012 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

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

Tgt Ion:138 Resp: 1614
Ion Ratio Lower Upper
138 100
108 12.5 11.1 16.7
92 127.6 105.4 158.2

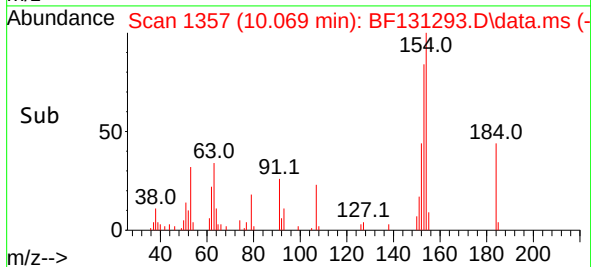
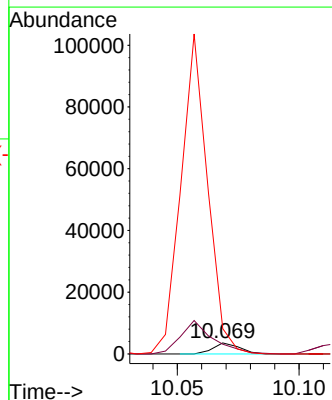
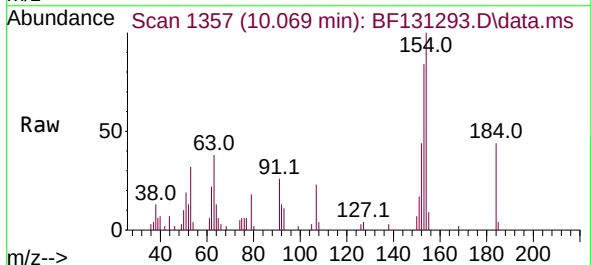
Manual Integrations
APPROVED

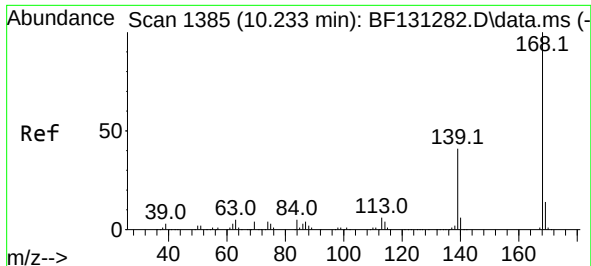
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#54
2,4-Dinitrophenol
Concen: 3.889 ng
RT: 10.069 min Scan# 1357
Delta R.T. -0.012 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

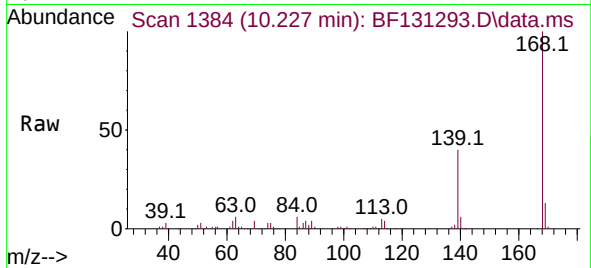
Tgt Ion:184 Resp: 2663
Ion Ratio Lower Upper
184 100
63 87.8 64.8 97.2
154 228.5 58.0 87.0#





#55
Dibenzenofuran
Concen: 8.562 ng
RT: 10.227 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

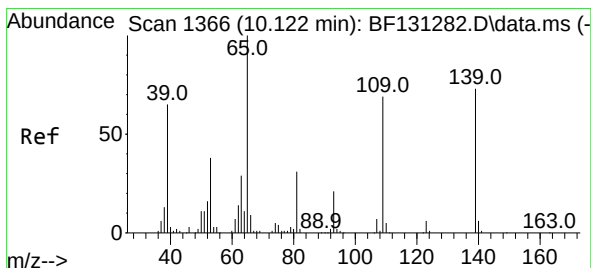
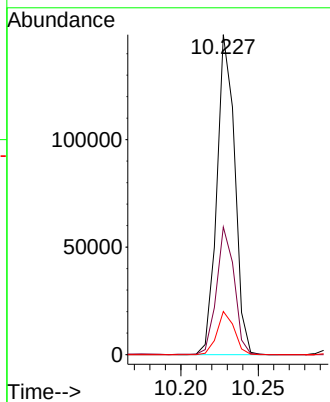
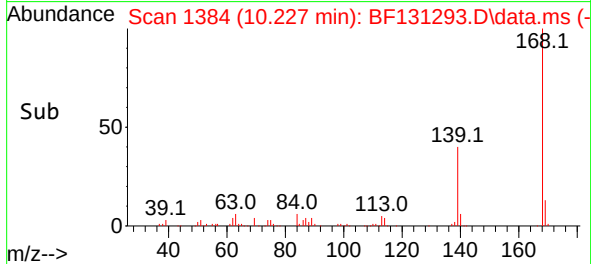
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:168 Resp: 119906
Ion Ratio Lower Upper
168 100
139 39.9 33.2 49.8
169 13.5 11.0 16.4

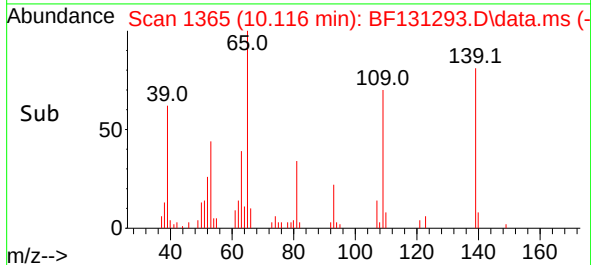
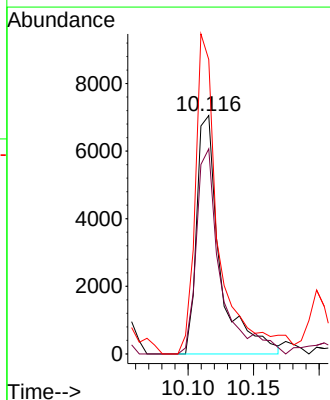
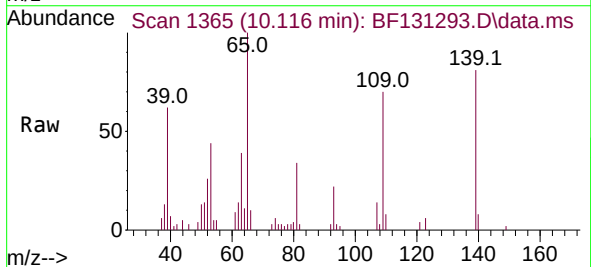
Manual Integrations
APPROVED

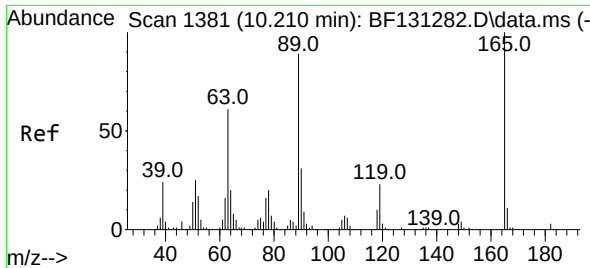
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#56
4-Nitrophenol
Concen: 5.635 ng
RT: 10.116 min Scan# 1365
Delta R.T. -0.006 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

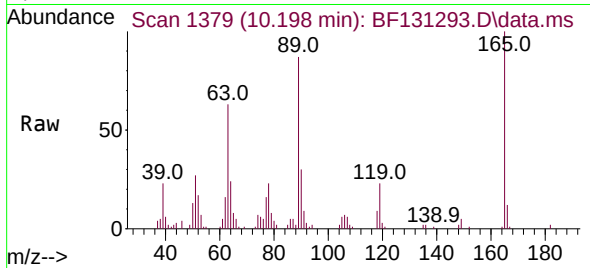
Tgt Ion:139 Resp: 8724
Ion Ratio Lower Upper
139 100
109 86.0 74.2 114.2
65 123.5 116.8 156.8





#57
2,4-Dinitrotoluene
Concen: 7.390 ng
RT: 10.198 min Scan# 1381
Delta R.T. -0.012 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

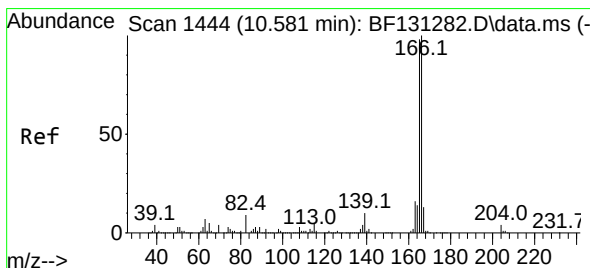
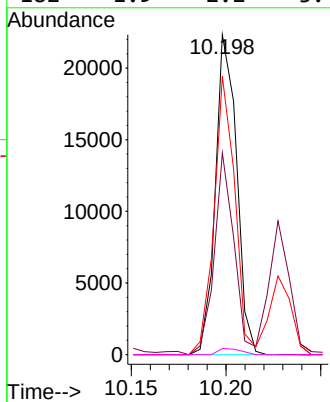
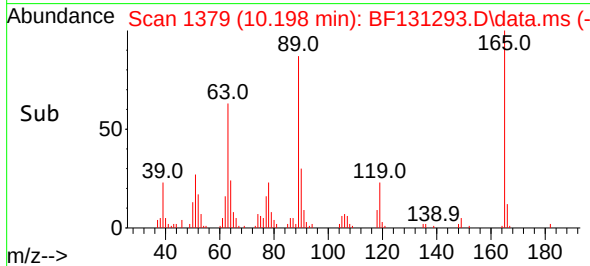
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022



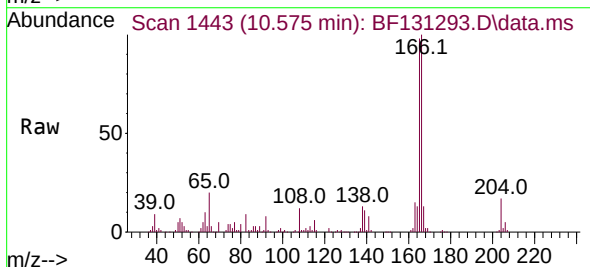
Tgt Ion:165 Resp: 1737
Ion Ratio Lower Upper
165 100
63 63.0 49.0 73.6
89 86.9 71.1 106.7
182 1.9 2.2 3.4#

Manual Integrations
APPROVED

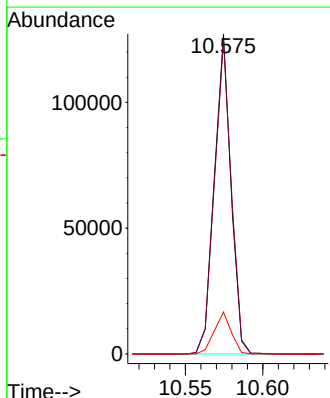
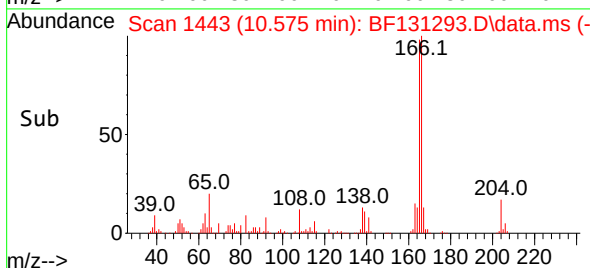
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

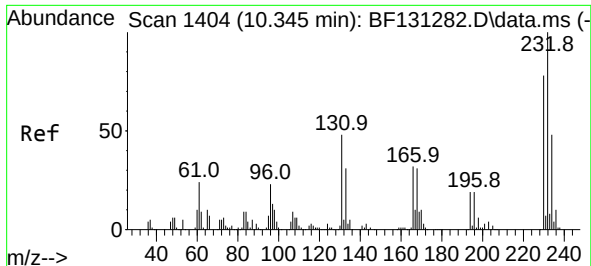


#58
Fluorene
Concen: 8.510 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54



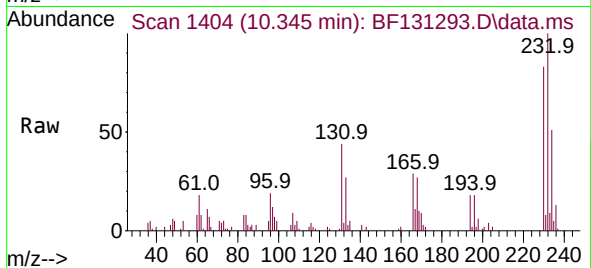
Tgt Ion:166 Resp: 94637
Ion Ratio Lower Upper
166 100
165 98.2 78.2 117.2
167 13.1 10.6 15.8





#59
2,3,4,6-Tetrachlorophenol
Concen: 6.851 ng m
RT: 10.345 min Scan# 1404
Delta R.T. -0.000 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

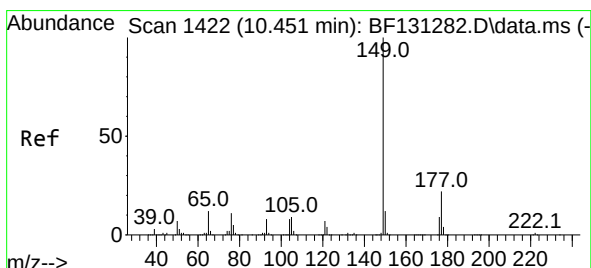
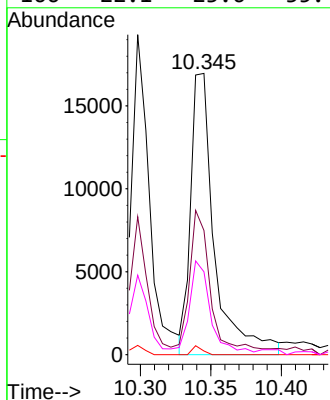
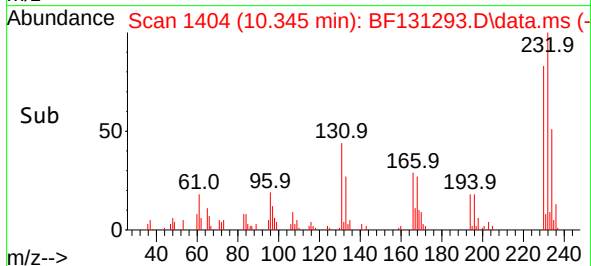
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:232 Resp: 2010
Ion Ratio Lower Upper
232 100
131 35.6 36.0 54.0
130 1.9 1.8 2.6
166 22.1 23.6 35.4#

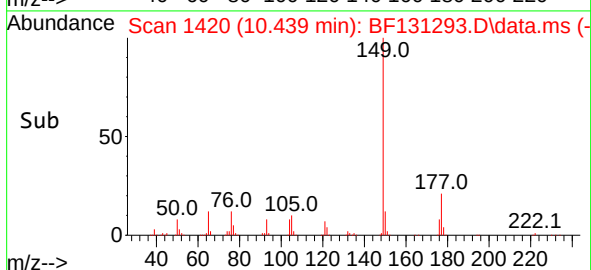
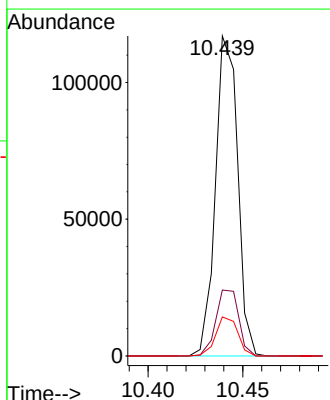
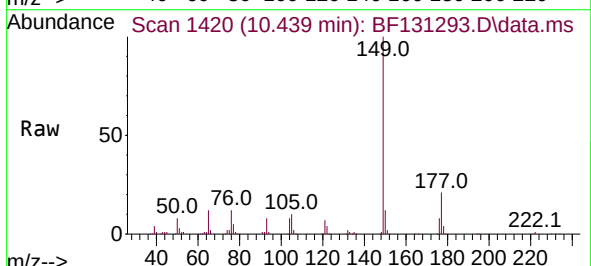
Manual Integrations
APPROVED

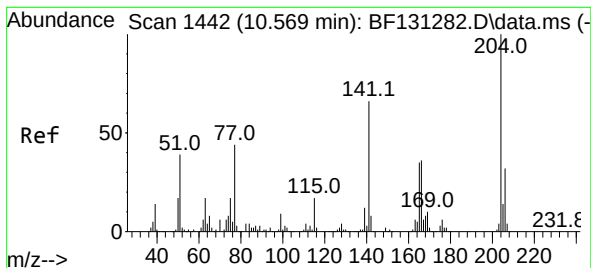
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#60
Diethylphthalate
Concen: 8.461 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.012 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

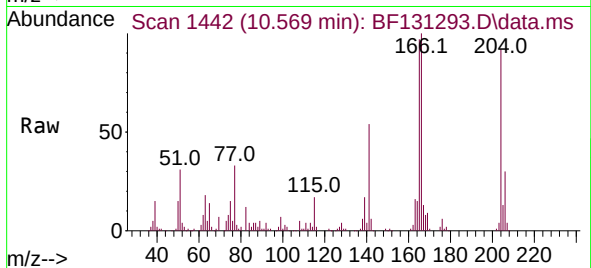
Tgt Ion:149 Resp: 95523
Ion Ratio Lower Upper
149 100
177 20.6 17.9 26.9
150 12.2 9.8 14.6





#61
4-Chlorophenyl-phenylether
Concen: 8.862 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.000 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

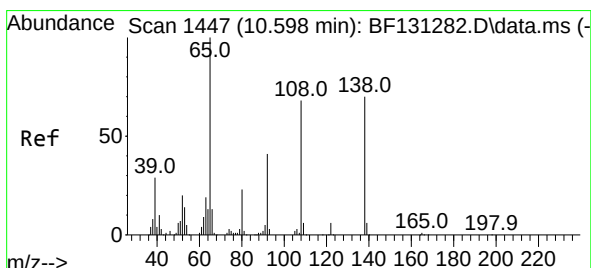
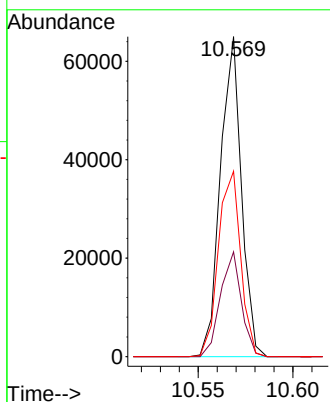
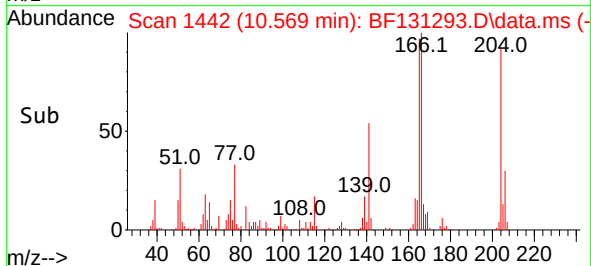
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



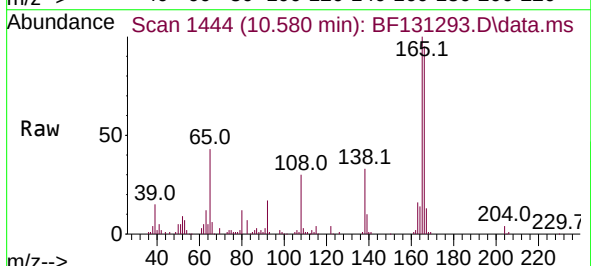
Tgt Ion:204 Resp: 49963
Ion Ratio Lower Upper
204 100
206 32.7 25.7 38.5
141 57.9 53.1 79.7

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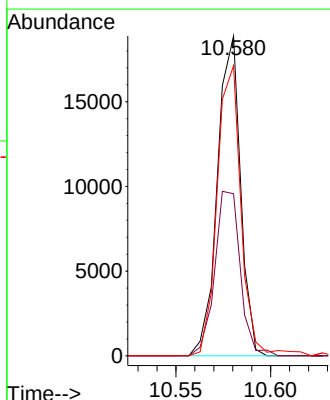
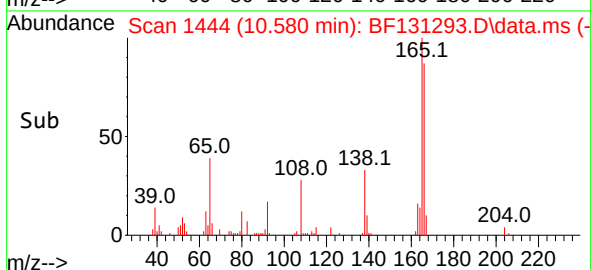
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

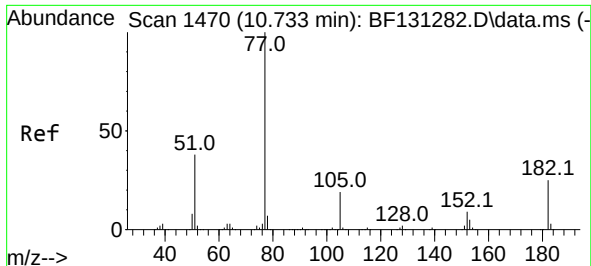


#62
4-Nitroaniline
Concen: 7.675 ng
RT: 10.580 min Scan# 1444
Delta R.T. -0.018 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54



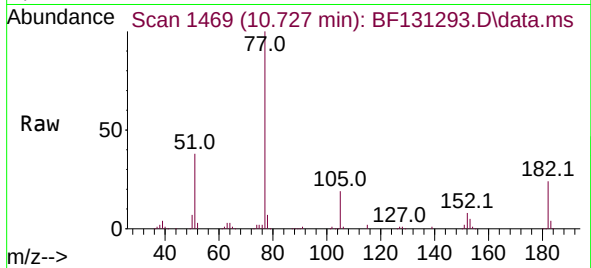
Tgt Ion:138 Resp: 16042
Ion Ratio Lower Upper
138 100
92 50.7 37.5 77.5
108 90.7 76.3 116.3





#63
Azobenzene
Concen: 8.252 ng
RT: 10.727 min Scan# 1470
Delta R.T. -0.006 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

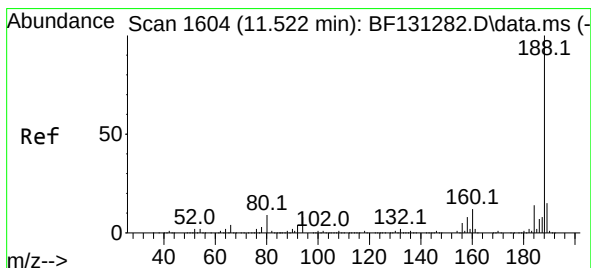
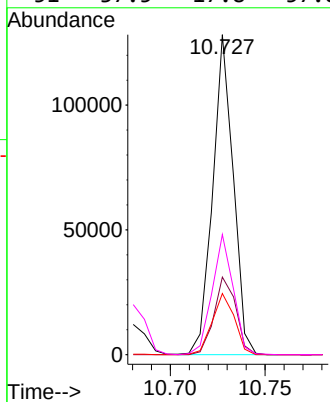
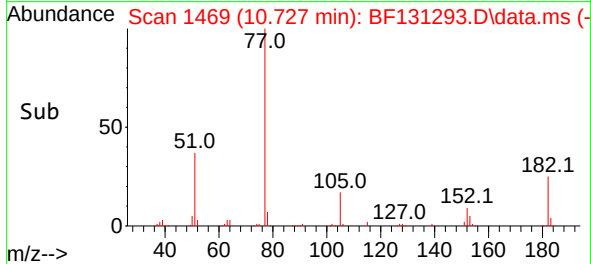
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



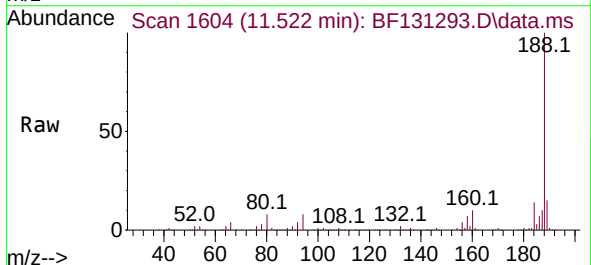
Tgt Ion: 77 Resp: 96759
Ion Ratio Lower Upper
77 100
182 24.2 5.0 45.0
105 19.1 0.0 39.5
51 37.5 17.8 57.8

Manual Integrations
APPROVED

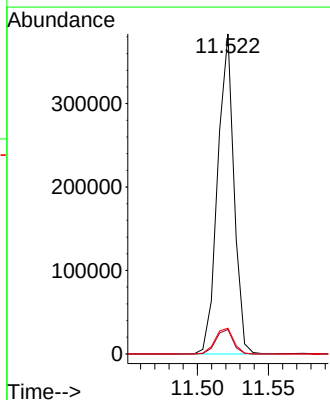
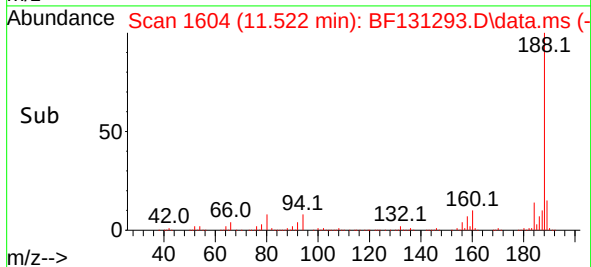
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

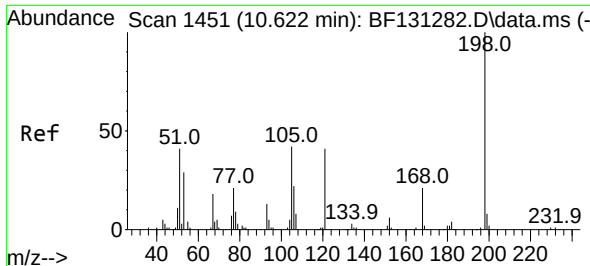


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.522 min Scan# 1604
Delta R.T. -0.001 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54



Tgt Ion:188 Resp: 307701
Ion Ratio Lower Upper
188 100
94 7.6 6.5 9.7
80 8.0 7.2 10.8





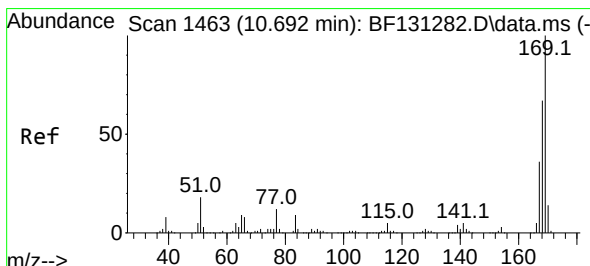
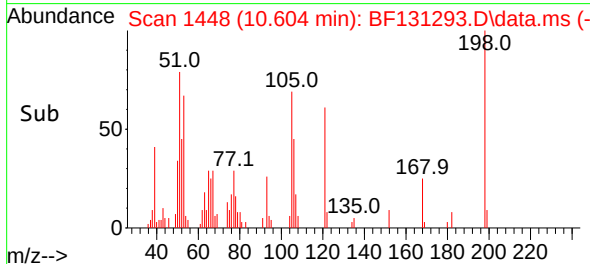
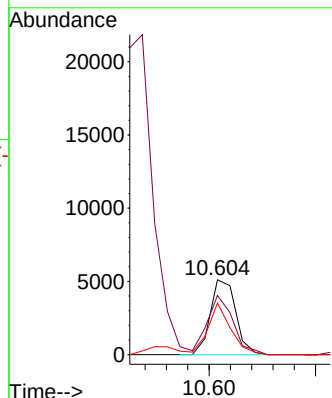
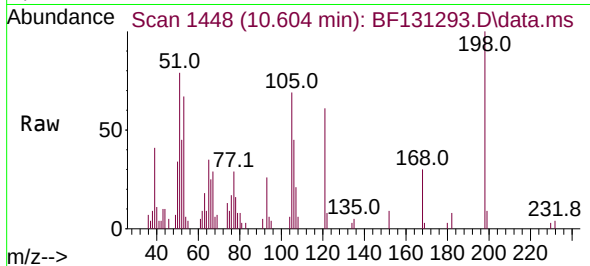
#65
4,6-Dinitro-2-methylphenol
Concen: 3.967 ng
RT: 10.604 min Scan# 1448
Delta R.T. -0.018 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

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

Tgt Ion:198 Resp: 4232
Ion Ratio Lower Upper
198 100
51 79.2 35.7 75.7
105 69.1 23.3 63.3

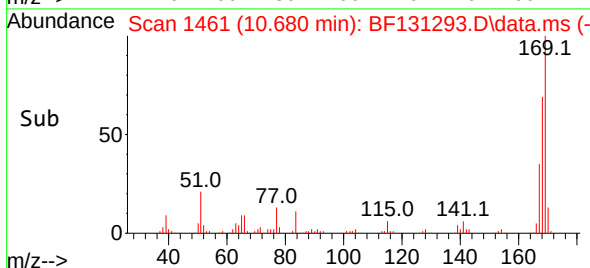
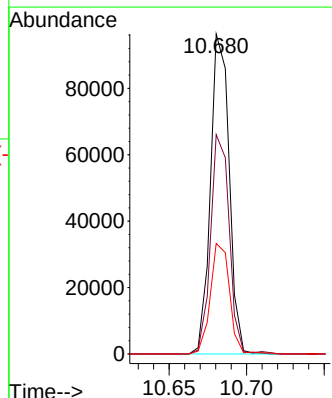
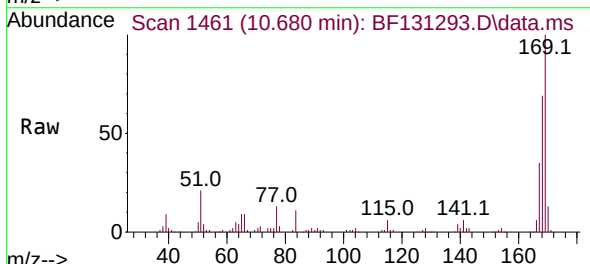
Manual Integrations
APPROVED

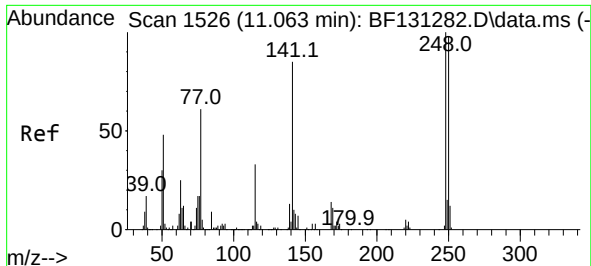
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#66
n-Nitrosodiphenylamine
Concen: 8.182 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

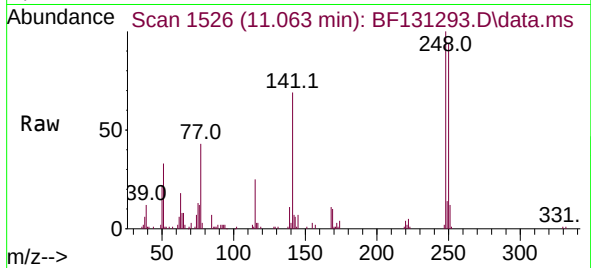
Tgt Ion:169 Resp: 81127
Ion Ratio Lower Upper
169 100
168 68.5 53.8 80.6
167 34.5 28.9 43.3





#67
4-Bromophenyl-phenylether
Concen: 8.141 ng
RT: 11.063 min Scan# 1526
Delta R.T. -0.000 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

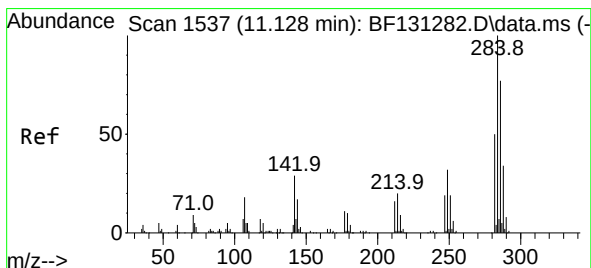
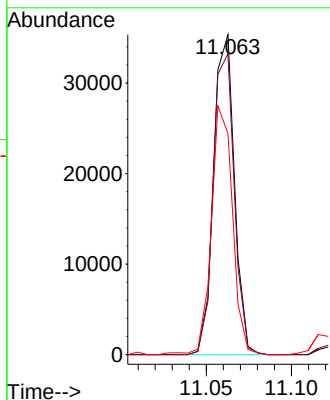
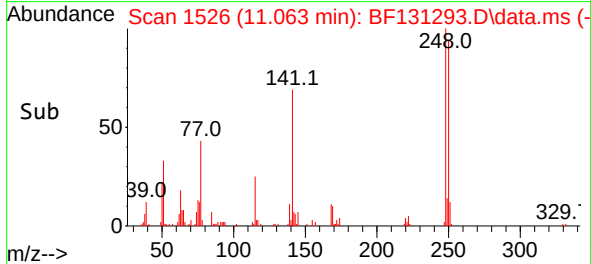
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



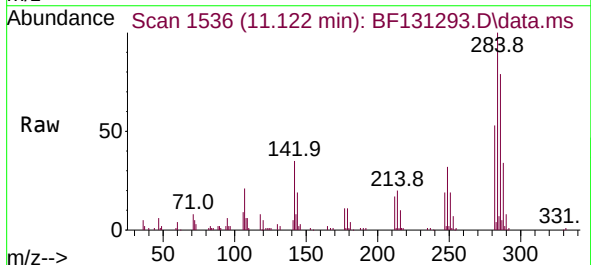
Tgt Ion:248 Resp: 30052
Ion Ratio Lower Upper
248 100
250 94.0 78.3 117.5
141 69.1 67.6 101.4

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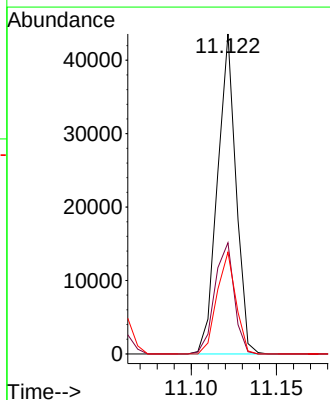
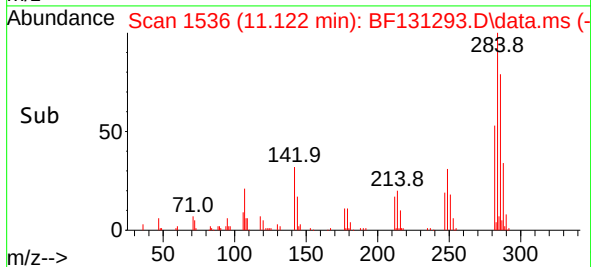
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

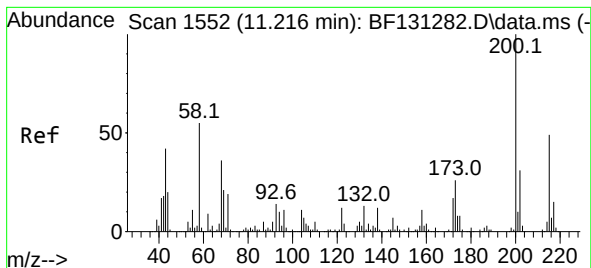


#68
Hexachlorobenzene
Concen: 8.220 ng
RT: 11.122 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54



Tgt Ion:284 Resp: 32927
Ion Ratio Lower Upper
284 100
142 34.7 23.4 35.2
249 31.8 25.7 38.5





#69

Atrazine

Concen: 9.049 ng

RT: 11.210 min Scan# 1552

Delta R.T. -0.006 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022

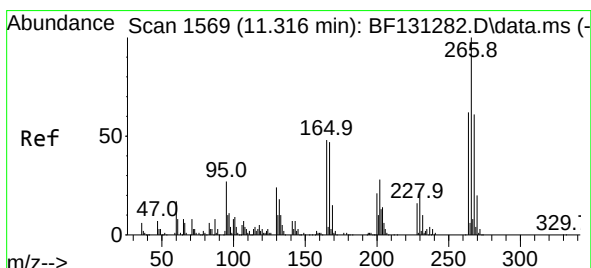
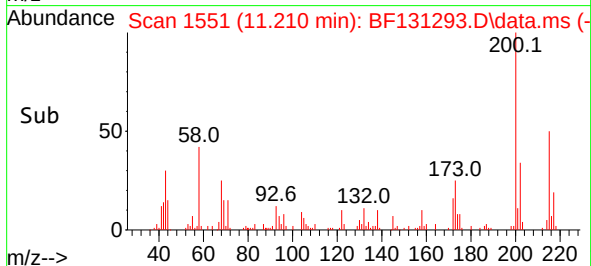
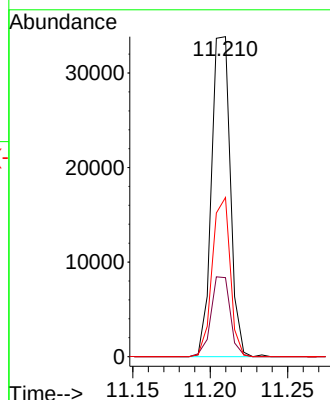
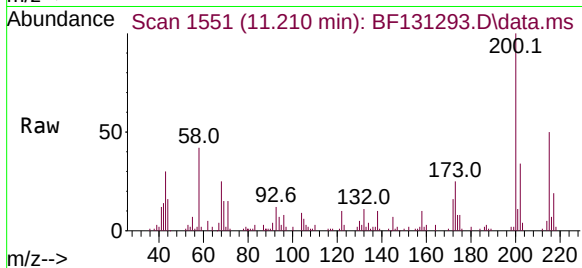
Tgt Ion:	200	Resp:	28620
Ion Ratio	Lower	Upper	
200	100		
173	24.7	6.0	46.0
215	49.7	29.0	69.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#70

Pentachlorophenol

Concen: 4.954 ng m

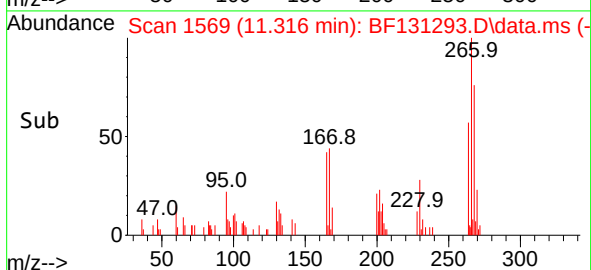
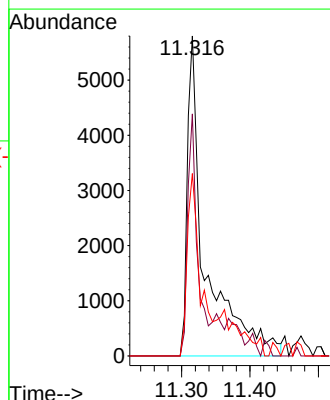
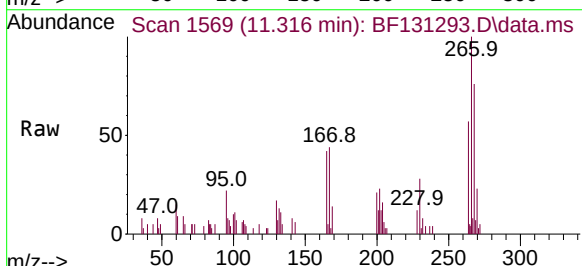
RT: 11.316 min Scan# 1569

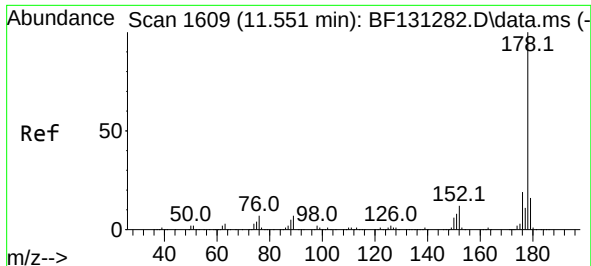
Delta R.T. -0.000 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

Tgt Ion:	266	Resp:	10603
Ion Ratio	Lower	Upper	
266	100		
268	75.6	49.0	73.4
264	57.0	49.7	74.5





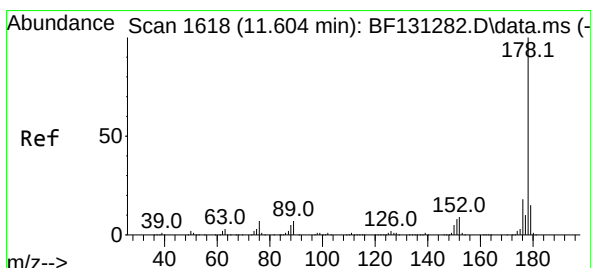
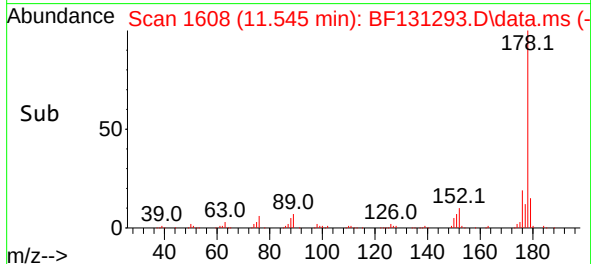
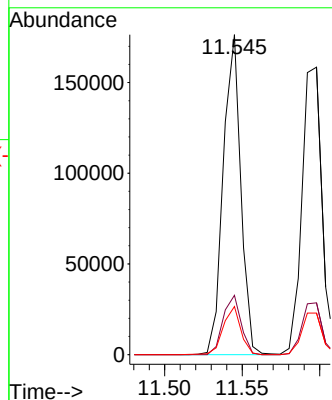
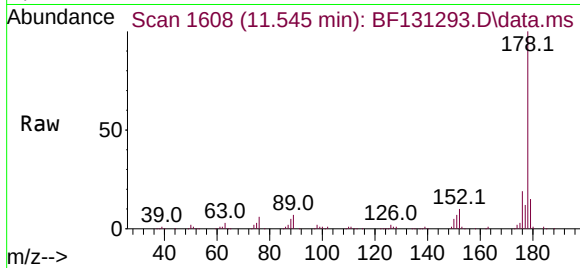
#71
Phenanthrene
Concen: 8.187 ng
RT: 11.545 min Scan# 1609
Delta R.T. -0.006 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

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

Tgt Ion:178 Resp: 139299
Ion Ratio Lower Upper
178 100
176 18.5 15.5 23.3
179 15.0 12.4 18.6

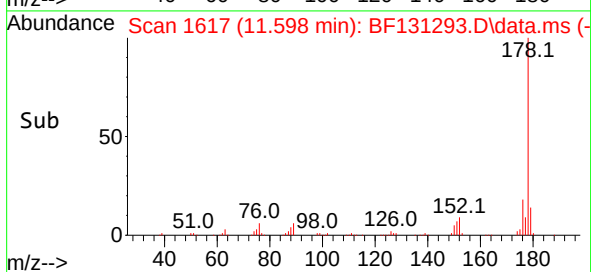
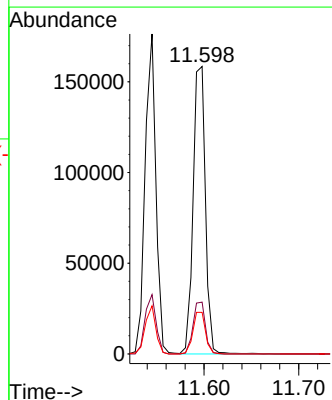
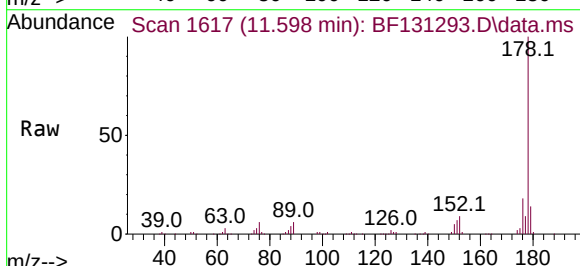
Manual Integrations
APPROVED

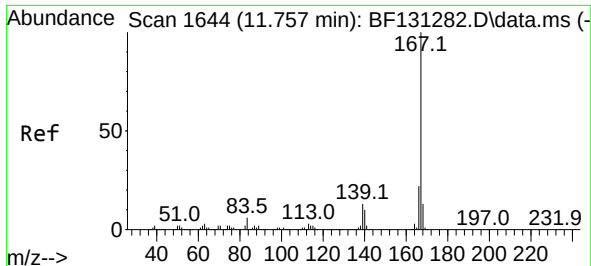
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#72
Anthracene
Concen: 8.545 ng
RT: 11.598 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

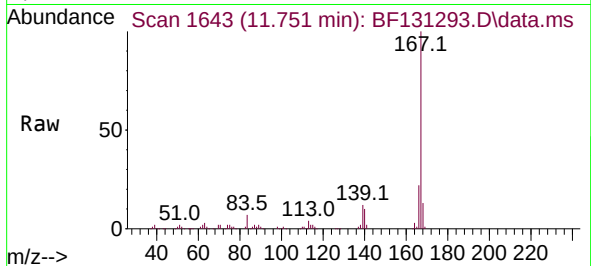
Tgt Ion:178 Resp: 142174
Ion Ratio Lower Upper
178 100
176 18.0 14.6 22.0
179 14.5 12.0 18.0





#73
Carbazole
Concen: 8.378 ng
RT: 11.751 min Scan# 1643
Delta R.T. -0.006 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

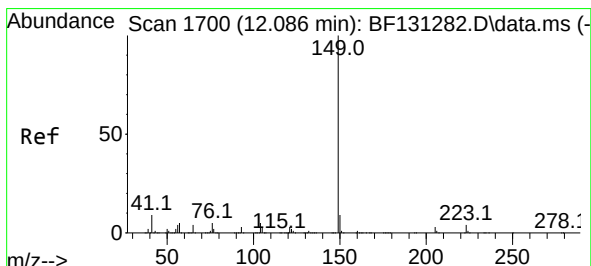
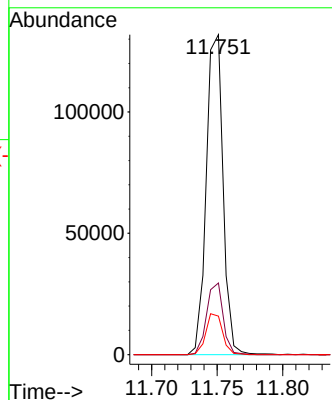
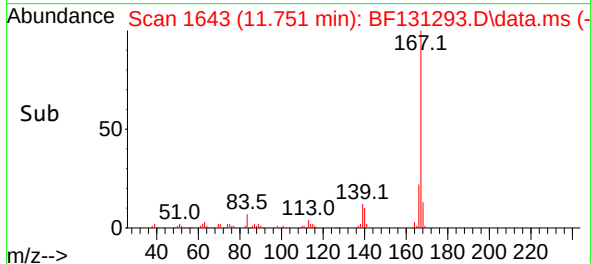
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022



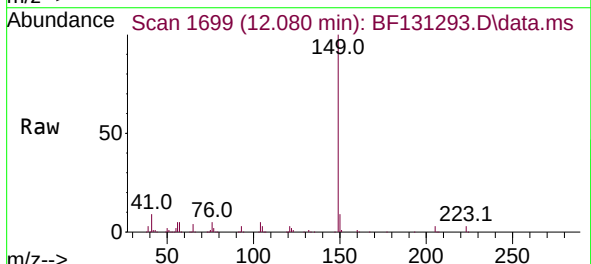
Tgt Ion:167 Resp: 117180
Ion Ratio Lower Upper
167 100
166 22.4 17.4 26.2
139 12.0 10.2 15.4

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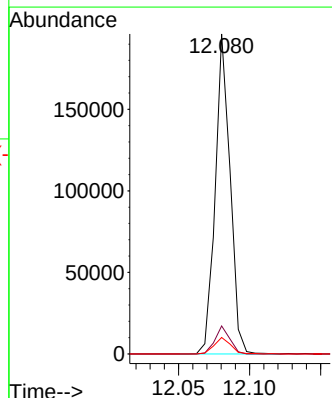
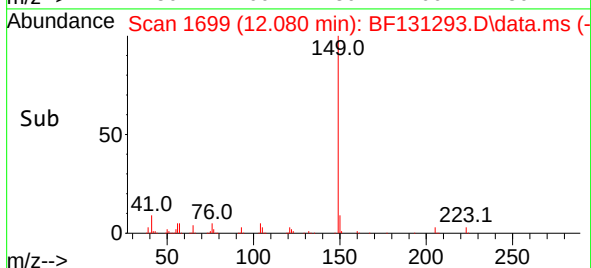
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

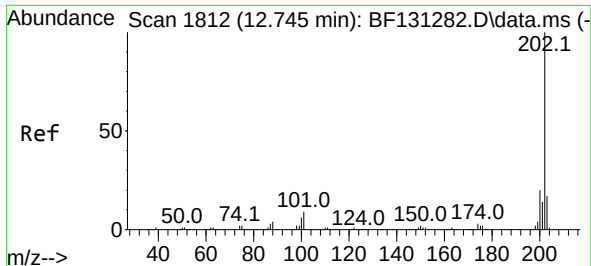


#74
Di-n-butylphthalate
Concen: 8.465 ng
RT: 12.080 min Scan# 1699
Delta R.T. -0.006 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54



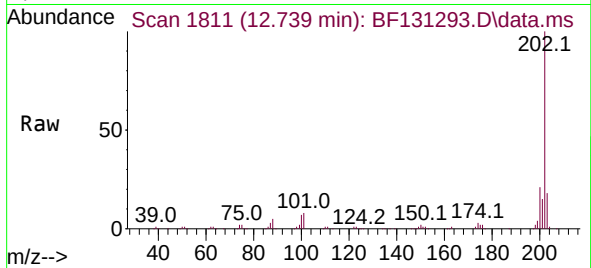
Tgt Ion:149 Resp: 142959
Ion Ratio Lower Upper
149 100
150 8.7 7.1 10.7
104 5.1 4.3 6.5





#75
Fluoranthene
Concen: 8.266 ng
RT: 12.739 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

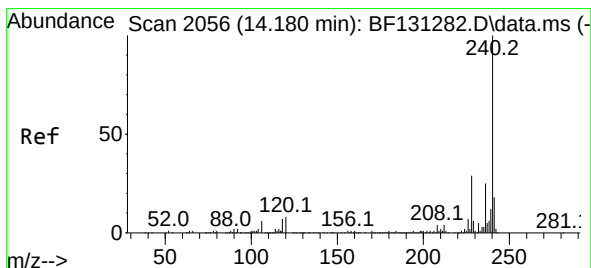
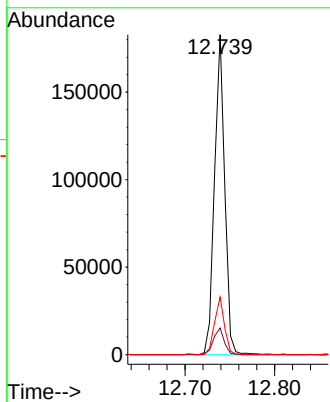
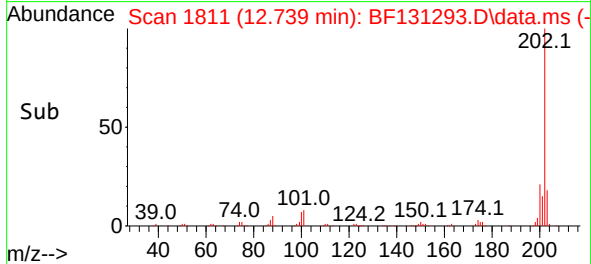
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



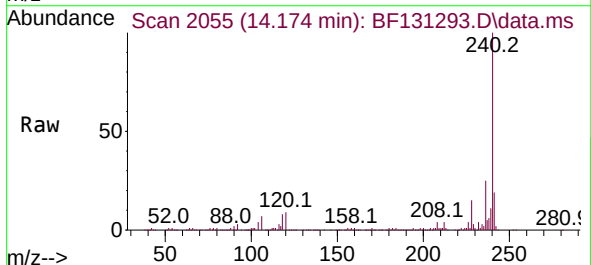
Tgt Ion:202 Resp: 145952
Ion Ratio Lower Upper
202 100
101 8.3 0.0 28.5
203 18.0 0.0 37.3

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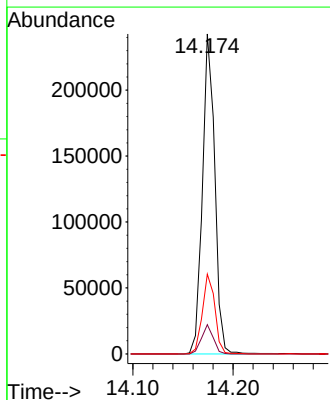
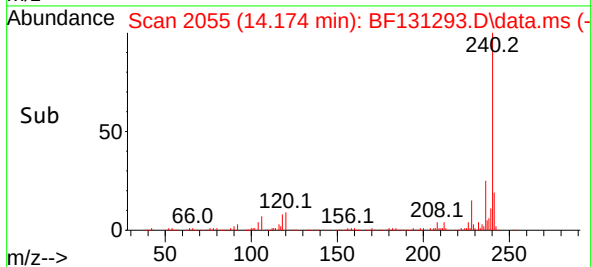
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

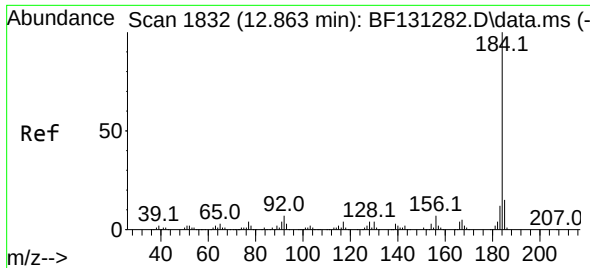


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.174 min Scan# 2055
Delta R.T. -0.006 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54



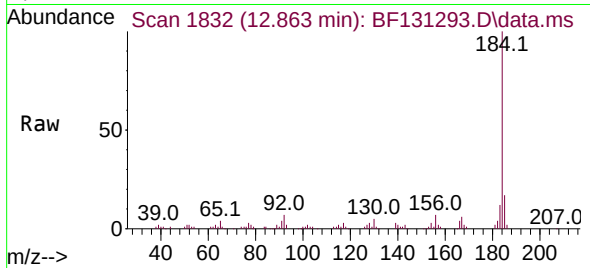
Tgt Ion:240 Resp: 206828
Ion Ratio Lower Upper
240 100
120 9.1 6.2 9.2
236 24.9 19.8 29.6





#77
Benzidine
Concen: 12.214 ng
RT: 12.863 min Scan# 1832
Delta R.T. -0.000 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

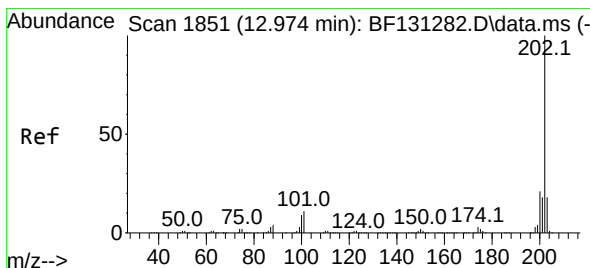
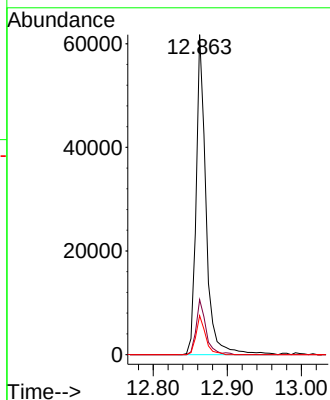
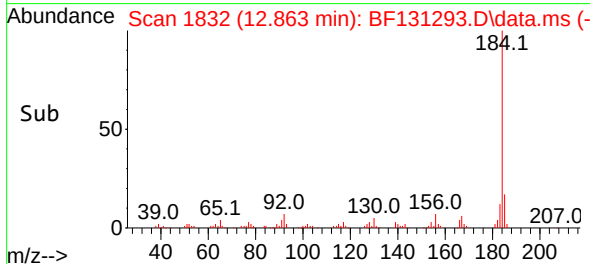
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



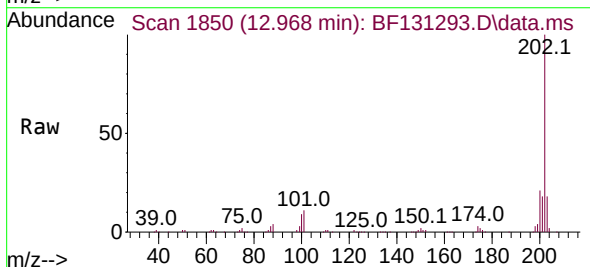
Tgt Ion:184 Resp: 57138
Ion Ratio Lower Upper
184 100
185 17.2 12.3 18.5
183 12.2 9.3 13.9

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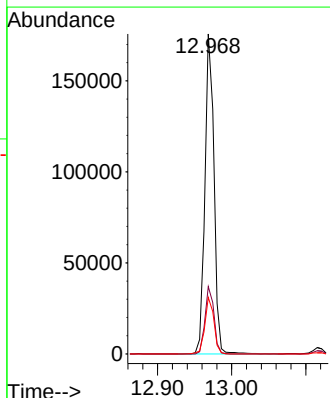
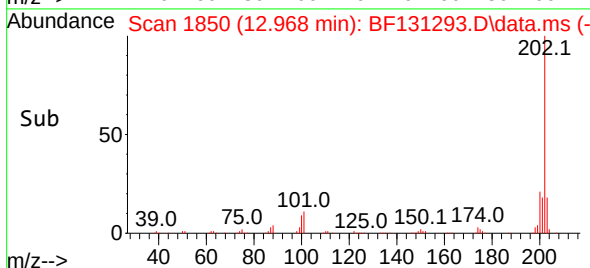
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

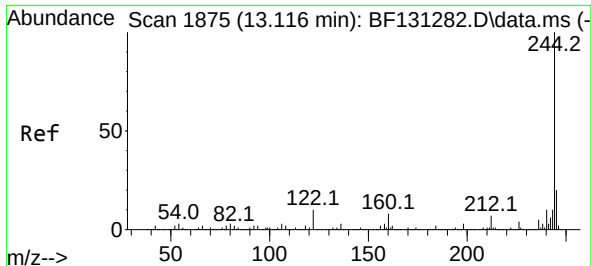


#78
Pyrene
Concen: 7.480 ng
RT: 12.968 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54



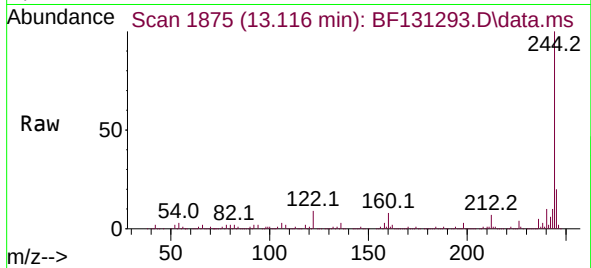
Tgt Ion:202 Resp: 148855
Ion Ratio Lower Upper
202 100
200 21.0 17.2 25.8
203 17.6 14.3 21.5





#79
 Terphenyl-d14
 Concen: 70.754 ng
 RT: 13.116 min Scan# 1875
 Delta R.T. -0.000 min
 Lab File: BF131293.D
 Acq: 18 Nov 2022 10:54

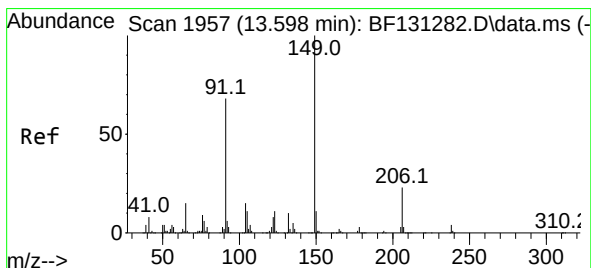
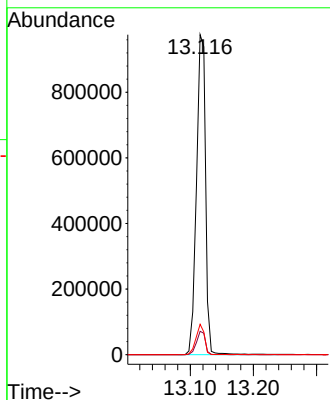
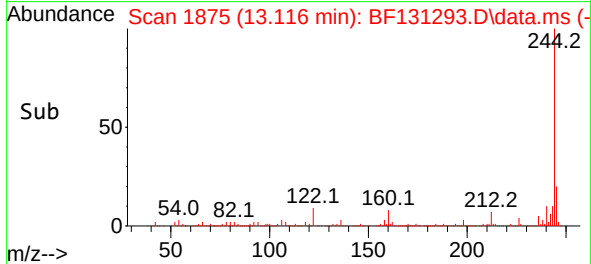
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT4-2022



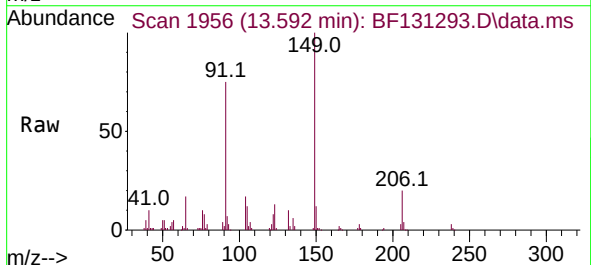
Tgt Ion:244 Resp: 979001
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.8 8.6
 122 9.5 7.8 11.8

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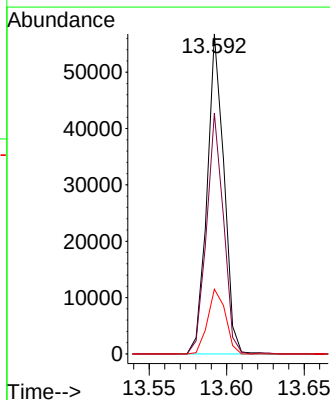
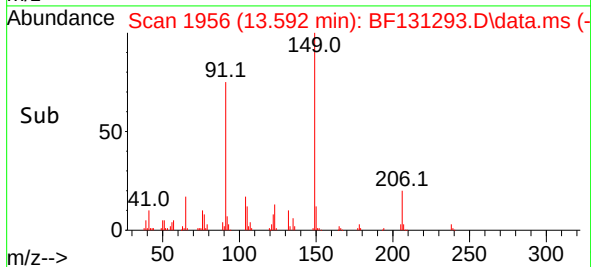
Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022

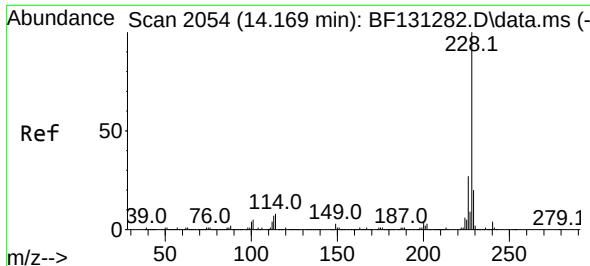


#80
 Butylbenzylphthalate
 Concen: 7.147 ng
 RT: 13.592 min Scan# 1956
 Delta R.T. -0.006 min
 Lab File: BF131293.D
 Acq: 18 Nov 2022 10:54



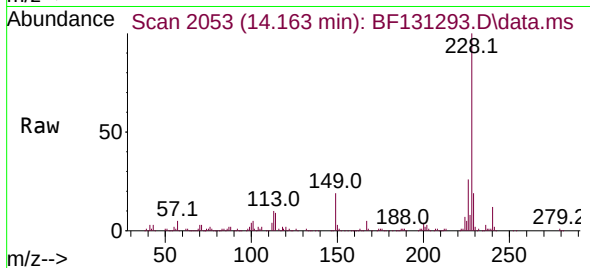
Tgt Ion:149 Resp: 43019
 Ion Ratio Lower Upper
 149 100
 91 75.2 54.6 82.0
 206 20.2 18.1 27.1





#81
Benzo(a)anthracene
Concen: 7.939 ng
RT: 14.163 min Scan# 2054
Delta R.T. -0.006 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

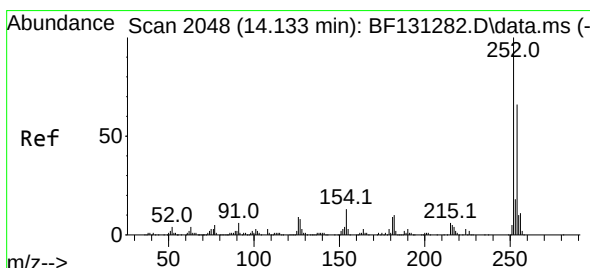
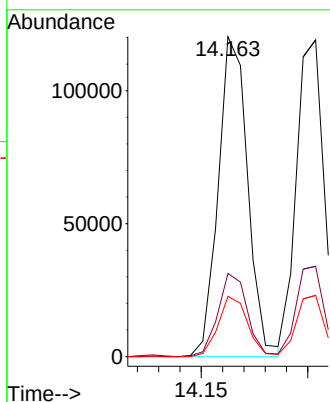
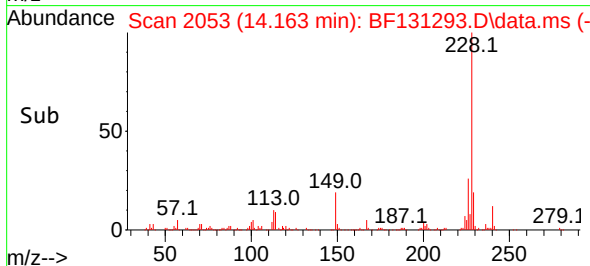
Instrument : BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



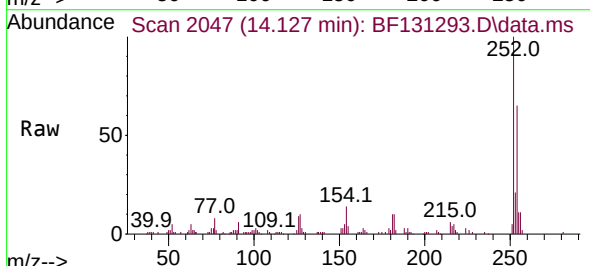
Tgt Ion:228 Resp: 115766
Ion Ratio Lower Upper
228 100
226 26.0 21.5 32.3
229 18.8 16.1 24.1

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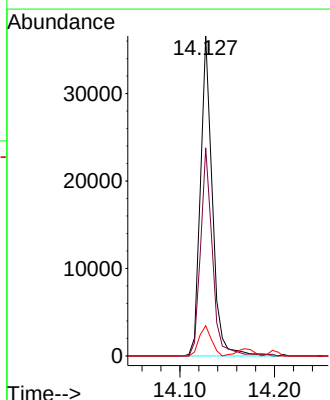
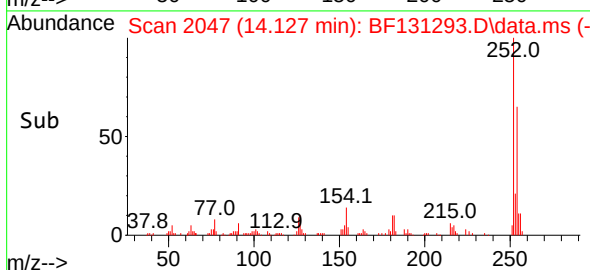
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

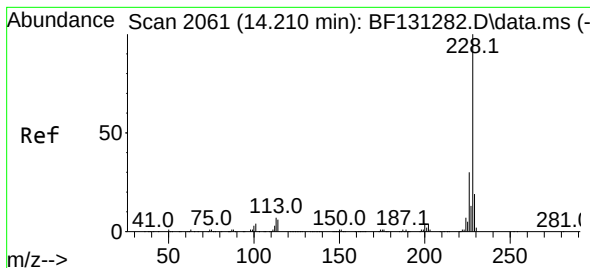


#82
3,3'-Dichlorobenzidine
Concen: 8.226 ng
RT: 14.127 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54



Tgt Ion:252 Resp: 31845
Ion Ratio Lower Upper
252 100
254 65.0 52.6 78.8
126 9.4 7.0 10.6





#83

Chrysene

Concen: 7.761 ng

RT: 14.204 min Scan# 2061

Delta R.T. -0.006 min

Lab File: BF131293.D

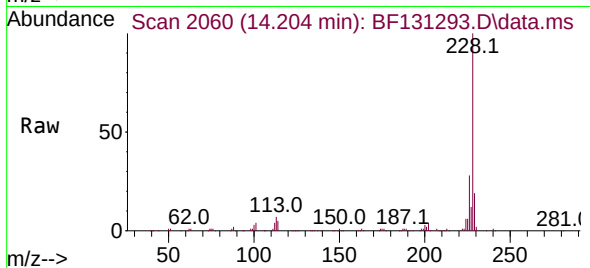
Acq: 18 Nov 2022 10:54

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:228 Resp: 108234

Ion Ratio Lower Upper

228 100

226 28.5 23.8 35.6

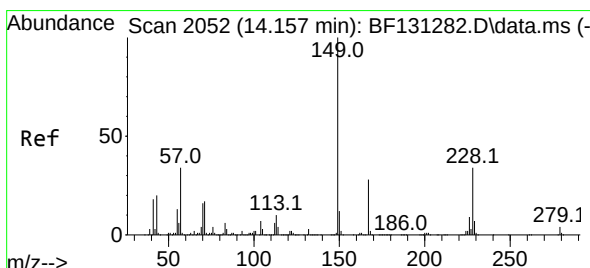
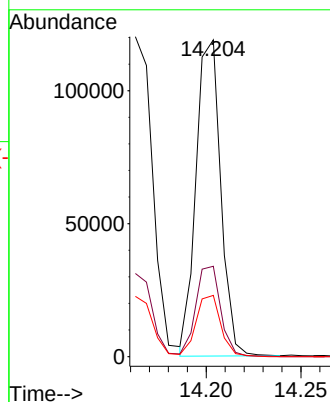
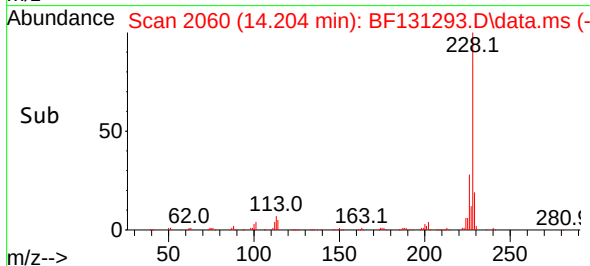
229 19.3 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 7.930 ng

RT: 14.157 min Scan# 2052

Delta R.T. -0.000 min

Lab File: BF131293.D

Acq: 18 Nov 2022 10:54

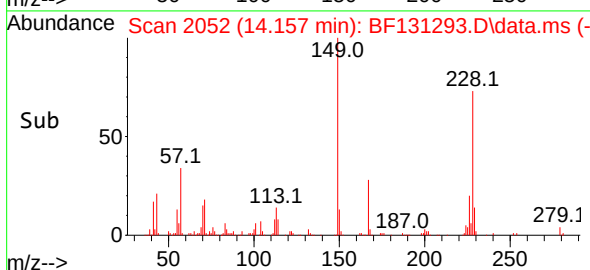
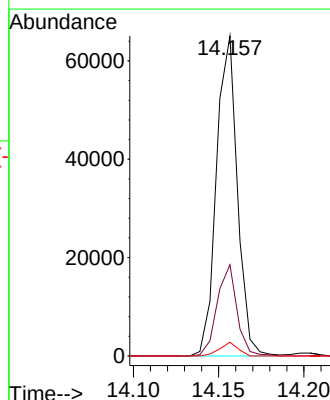
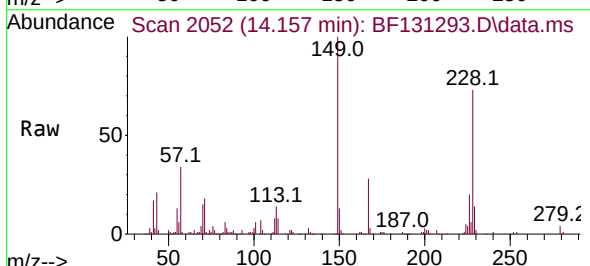
Tgt Ion:149 Resp: 55566

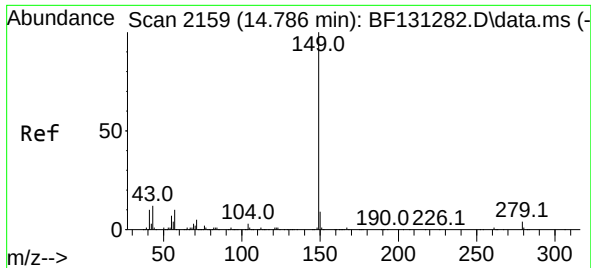
Ion Ratio Lower Upper

149 100

167 28.5 22.2 33.4

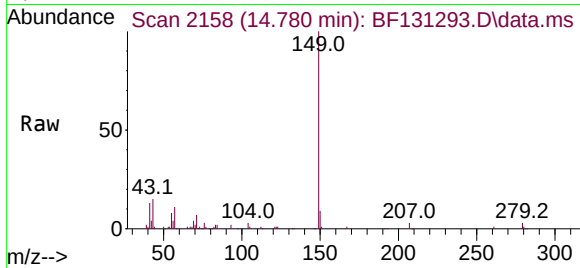
279 4.3 3.4 5.2





#85
Di-n-octyl phthalate
Concen: 6.606 ng
RT: 14.780 min Scan# 2159
Delta R.T. -0.006 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

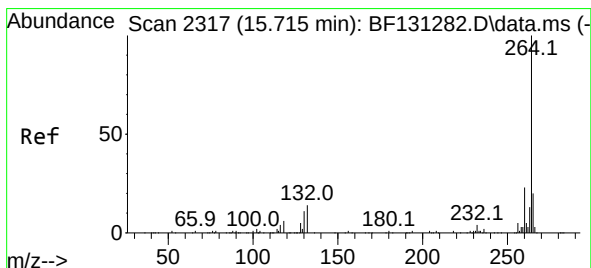
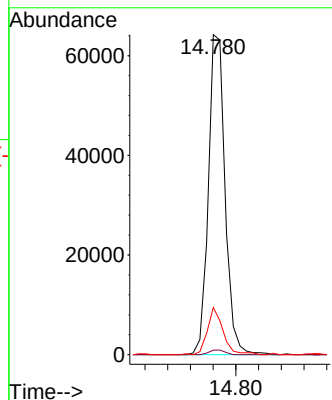
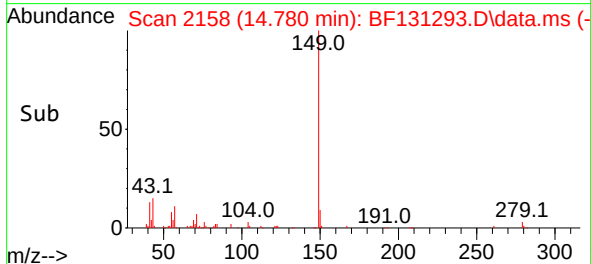
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT4-2022



Tgt Ion:149 Resp: 65705
Ion Ratio Lower Upper
149 100
167 1.3 1.2 1.8
43 13.8 10.6 16.0

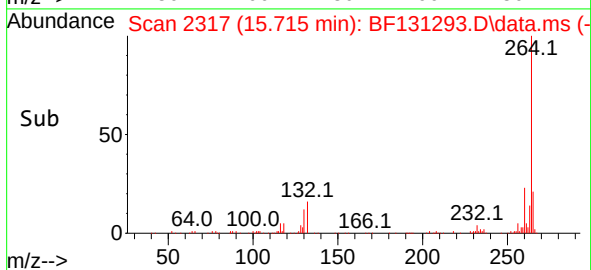
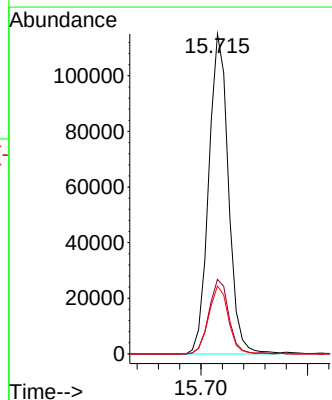
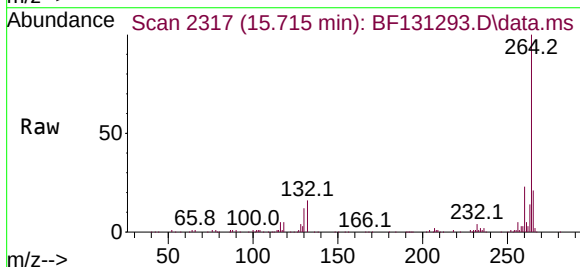
Manual Integrations
APPROVED

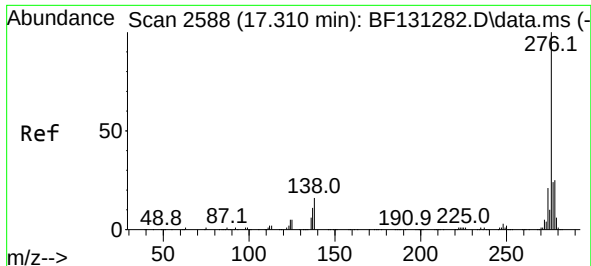
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.715 min Scan# 2317
Delta R.T. -0.000 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

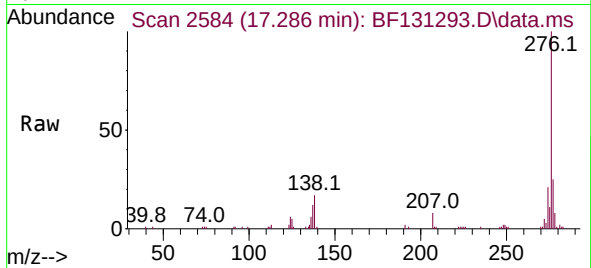
Tgt Ion:264 Resp: 147640
Ion Ratio Lower Upper
264 100
260 23.3 18.7 28.1
265 21.2 16.2 24.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.519 ng
RT: 17.286 min Scan# 21
Delta R.T. -0.024 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

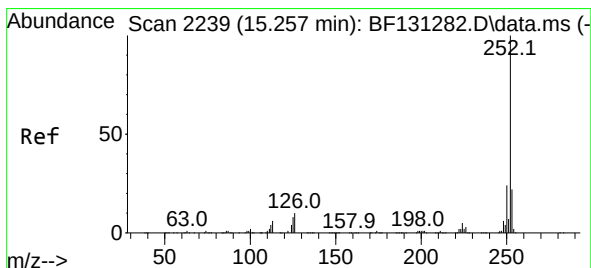
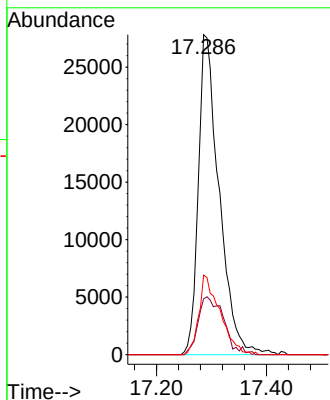
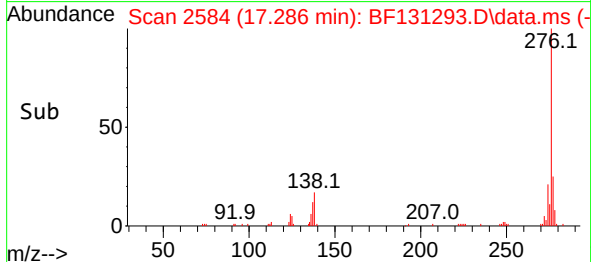
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



Tgt Ion: 276 Resp: 72990
Ion Ratio Lower Upper
276 100
138 22.2 15.1 22.7
277 25.1 20.1 30.1

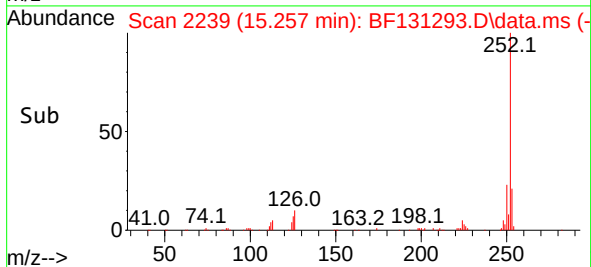
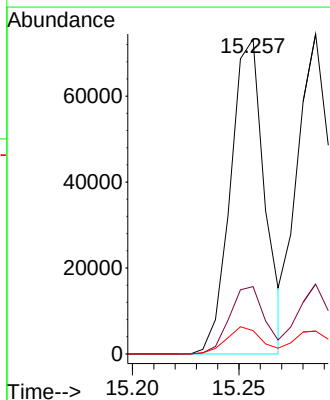
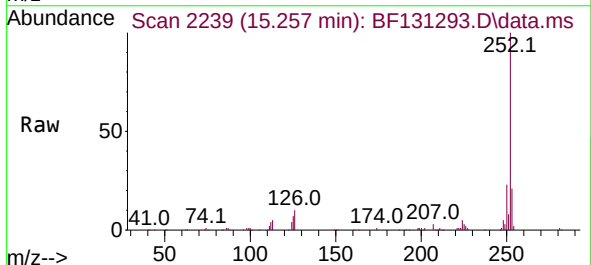
Manual Integrations
APPROVED

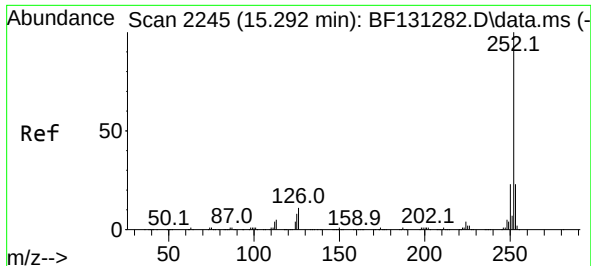
Reviewed By : Christian Giraldo 11/21/2022
Supervised By : Jagrut Upadhyay 11/21/2022



#88
Benzo(b)fluoranthene
Concen: 8.229 ng
RT: 15.257 min Scan# 2239
Delta R.T. -0.000 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

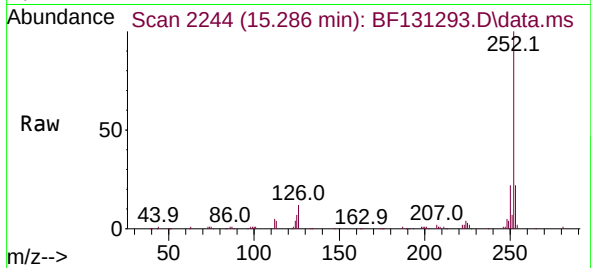
Tgt Ion: 252 Resp: 81765
Ion Ratio Lower Upper
252 100
253 21.4 17.4 26.0
125 7.4 6.3 9.5





#89
Benzo(k)fluoranthene
Concen: 8.160 ng
RT: 15.286 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

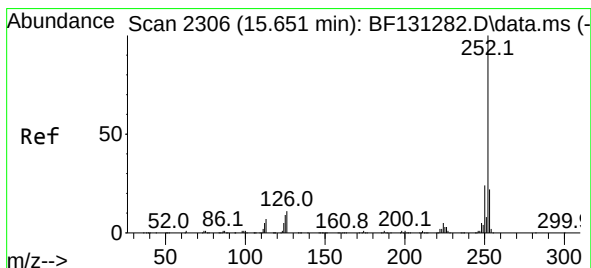
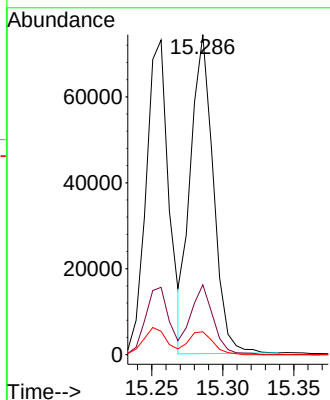
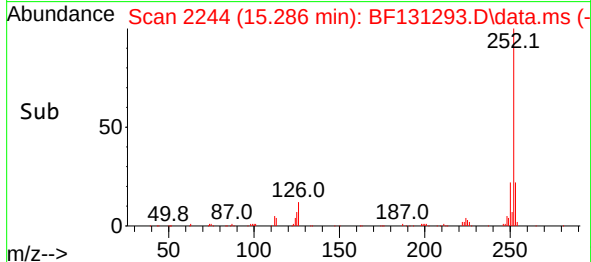
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



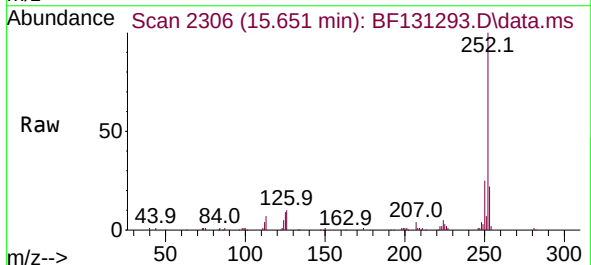
Tgt Ion:252 Resp: 82874
Ion Ratio Lower Upper
252 100
253 21.8 18.0 27.0
125 7.1 6.5 9.7

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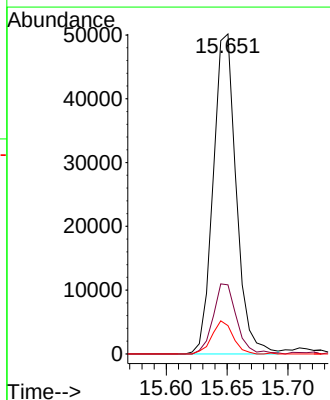
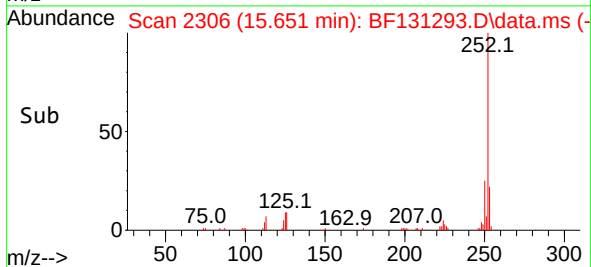
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

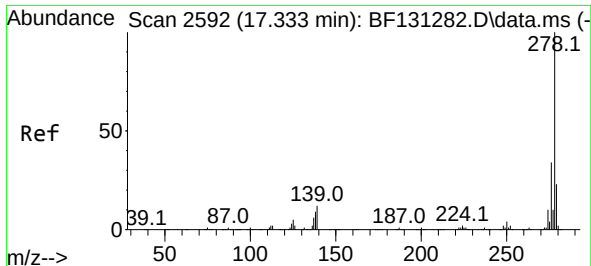


#90
Benzo(a)pyrene
Concen: 8.072 ng
RT: 15.651 min Scan# 2306
Delta R.T. -0.000 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54



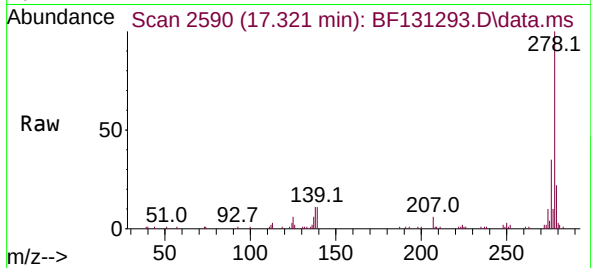
Tgt Ion:252 Resp: 65856
Ion Ratio Lower Upper
252 100
253 21.6 17.7 26.5
125 8.8 7.2 10.8





#91
Dibenzo(a,h)anthracene
Concen: 7.036 ng
RT: 17.321 min Scan# 2592
Delta R.T. -0.012 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54

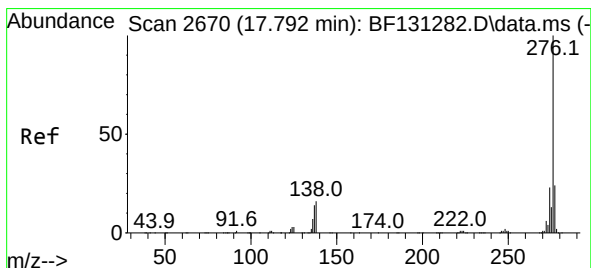
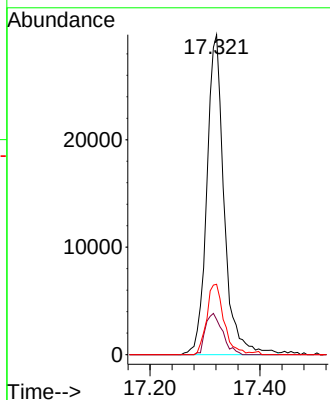
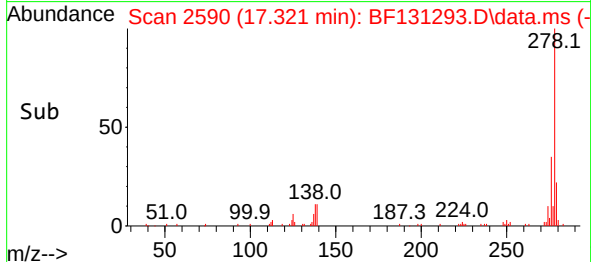
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT4-2022



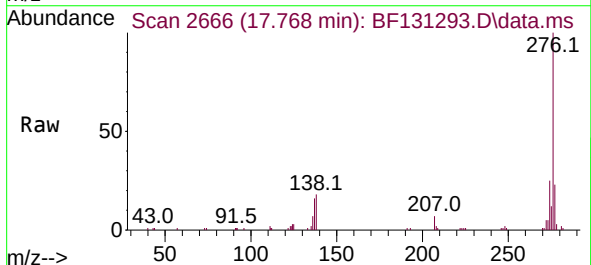
Tgt Ion:278 Resp: 64836
Ion Ratio Lower Upper
278 100
139 11.0 10.0 15.0
279 22.0 18.6 27.8

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 6.946 ng
RT: 17.768 min Scan# 2666
Delta R.T. -0.024 min
Lab File: BF131293.D
Acq: 18 Nov 2022 10:54



Tgt Ion:276 Resp: 64705
Ion Ratio Lower Upper
276 100
277 23.0 19.4 29.0
138 18.5 13.0 19.6

