

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111822\
 Data File : BF131296.D
 Acq On : 18 Nov 2022 13:07
 Operator : CG\JU
 Sample : N4955-02
 Misc : LOQ-SOIL 10ppm
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

Quant Time: Nov 21 01:19:38 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	73857	20.000	ng	0.00
21) Naphthalene-d8	8.257	136	263165	20.000	ng	0.00
39) Acenaphthene-d10	10.022	164	153113	20.000	ng	0.00
64) Phenanthrene-d10	11.522	188	288789	20.000	ng	0.00
76) Chrysene-d12	14.174	240	197992	20.000	ng	0.00
86) Perylene-d12	15.715	264	139393	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	447019	110.781	ng	0.00
7) Phenol-d6	6.581	99	559375	109.350	ng	0.00
23) Nitrobenzene-d5	7.534	82	419704	85.192	ng	0.00
42) 2,4,6-Tribromophenol	10.816	330	154500	113.352	ng	0.00
45) 2-Fluorobiphenyl	9.339	172	850642	79.349	ng	0.00
79) Terphenyl-d14	13.116	244	994419	75.075	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.775	88	21097	11.308	ng	98
3) Pyridine	3.557	79	50332	9.682	ng	99
4) n-Nitrosodimethylamine	3.487	42	32743	10.152	ng	95
6) Aniline	6.628	93	76588	11.963	ng	98
8) 2-Chlorophenol	6.751	128	51501	11.530	ng	91
9) Benzaldehyde	6.516	77	47837	12.881	ng	98
10) Phenol	6.592	94	60411	10.670	ng	97
11) bis(2-Chloroethyl)ether	6.698	93	50402	11.060	ng	96
12) 1,3-Dichlorobenzene	6.910	146	57977	10.911	ng	95
13) 1,4-Dichlorobenzene	6.987	146	59038	10.927	ng	97
14) 1,2-Dichlorobenzene	7.140	146	54722	10.881	ng	98
15) Benzyl Alcohol	7.128	79	31538	7.238	ng	# 65
16) 2,2'-oxybis(1-Chloropr...	7.239	45	95758	11.098	ng	98
17) 2-Methylphenol	7.204	107	41222	10.556	ng	98
18) Hexachloroethane	7.487	117	20808	10.831	ng	95
19) n-Nitroso-di-n-propyla...	7.375	70	39686	10.786	ng	95
20) 3+4-Methylphenols	7.357	107	53120	10.651	ng	91
22) Acetophenone	7.375	105	80769	11.615	ng	98
24) Nitrobenzene	7.551	77	58493	11.730	ng	95
25) Isophorone	7.787	82	106579	11.331	ng	99
26) 2-Nitrophenol	7.869	139	16776	10.622	ng	97
27) 2,4-Dimethylphenol	7.898	122	45634	12.340	ng	97
28) bis(2-Chloroethoxy)met...	7.998	93	64212	12.222	ng	97
29) 2,4-Dichlorophenol	8.104	162	42883	10.828	ng	97
30) 1,2,4-Trichlorobenzene	8.198	180	52733	10.725	ng	98
31) Naphthalene	8.281	128	153258	10.740	ng	99
32) Benzoic acid	7.951	122	14446m	6.530	ng	
33) 4-Chloroaniline	8.322	127	63136	11.390	ng	97
34) Hexachlorobutadiene	8.398	225	34073	10.487	ng	99
35) Caprolactam	8.657	113	12385	11.232	ng	93
36) 4-Chloro-3-methylphenol	8.798	107	45369	10.629	ng	96
37) 2-Methylnaphthalene	8.975	142	105858	11.007	ng	99
38) 1-Methylnaphthalene	9.075	142	100661	10.801	ng	98
40) 1,2,4,5-Tetrachloroben...	9.139	216	56287	11.235	ng	99
41) Hexachlorocyclopentadiene	9.128	237	25036	11.552	ng	98
43) 2,4,6-Trichlorophenol	9.245	196	22805	7.656	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111822\
 Data File : BF131296.D
 Acq On : 18 Nov 2022 13:07
 Operator : CG\JU
 Sample : N4955-02
 Misc : LOQ-SOIL 10ppm
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

Quant Time: Nov 21 01:19:38 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)
44) 2,4,5-Trichlorophenol	9.286	196	37654	11.602	ng	# 90
46) 1,1'-Biphenyl	9.439	154	139886	11.831	ng	98
47) 2-Chloronaphthalene	9.469	162	107302	11.304	ng	98
48) 2-Nitroaniline	9.557	65	27067	10.315	ng	99
49) Acenaphthylene	9.886	152	160989	11.102	ng	98
50) Dimethylphthalate	9.733	163	122203	11.022	ng	99
51) 2,6-Dinitrotoluene	9.798	165	19876	10.914	ng	87
52) Acenaphthene	10.057	154	98865	10.927	ng	99
53) 3-Nitroaniline	9.969	138	21290	11.046	ng	90
54) 2,4-Dinitrophenol	10.069	184	3606	5.621	ng	# 5
55) Dibenzofuran	10.228	168	145503	11.090	ng	99
56) 4-Nitrophenol	10.110	139	12740	8.784	ng	91
57) 2,4-Dinitrotoluene	10.198	165	23107	10.493	ng	99
58) Fluorene	10.575	166	117786	11.305	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.339	232	25732	9.361	ng	97
60) Diethylphthalate	10.439	149	118322	11.186	ng	98
61) 4-Chlorophenyl-phenyle...	10.569	204	60896	11.529	ng	91
62) 4-Nitroaniline	10.580	138	21111	10.781	ng	95
63) Azobenzene	10.727	77	120412	10.961	ng	99
65) 4,6-Dinitro-2-methylph...	10.604	198	6619	6.611	ng	77
66) n-Nitrosodiphenylamine	10.680	169	98611	10.596	ng	100
67) 4-Bromophenyl-phenylether	11.063	248	37387	10.789	ng	# 90
68) Hexachlorobenzene	11.122	284	40196	10.691	ng	98
69) Atrazine	11.204	200	35662	12.012	ng	97
70) Pentachlorophenol	11.310	266	15724m	7.828	ng	
71) Phenanthrene	11.545	178	170127	10.654	ng	99
72) Anthracene	11.592	178	178379	11.423	ng	99
73) Carbazole	11.745	167	145006	11.046	ng	99
74) Di-n-butylphthalate	12.080	149	178629	11.269	ng	99
75) Fluoranthene	12.739	202	180175	10.873	ng	99
77) Benzidine	12.863	184	78693	17.572	ng	97
78) Pyrene	12.969	202	183908	9.654	ng	98
80) Butylbenzylphthalate	13.592	149	55960	9.711	ng	95
81) Benzo(a)anthracene	14.163	228	145120	10.396	ng	98
82) 3,3'-Dichlorobenzidine	14.127	252	42242	11.399	ng	96
83) Chrysene	14.198	228	140345	10.513	ng	99
84) Bis(2-ethylhexyl)phtha...	14.151	149	73440	10.949	ng	# 95
85) Di-n-octyl phthalate	14.780	149	90017	9.454	ng	98
87) Indeno(1,2,3-cd)pyrene	17.292	276	94831	8.970	ng	97
88) Benzo(b)fluoranthene	15.251	252	104280	11.115	ng	98
89) Benzo(k)fluoranthene	15.286	252	106524	11.109	ng	99
90) Benzo(a)pyrene	15.651	252	85884	11.150	ng	98
91) Dibenzo(a,h)anthracene	17.315	278	82402	9.472	ng	98
92) Benzo(g,h,i)perylene	17.768	276	80998	9.209	ng	98

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

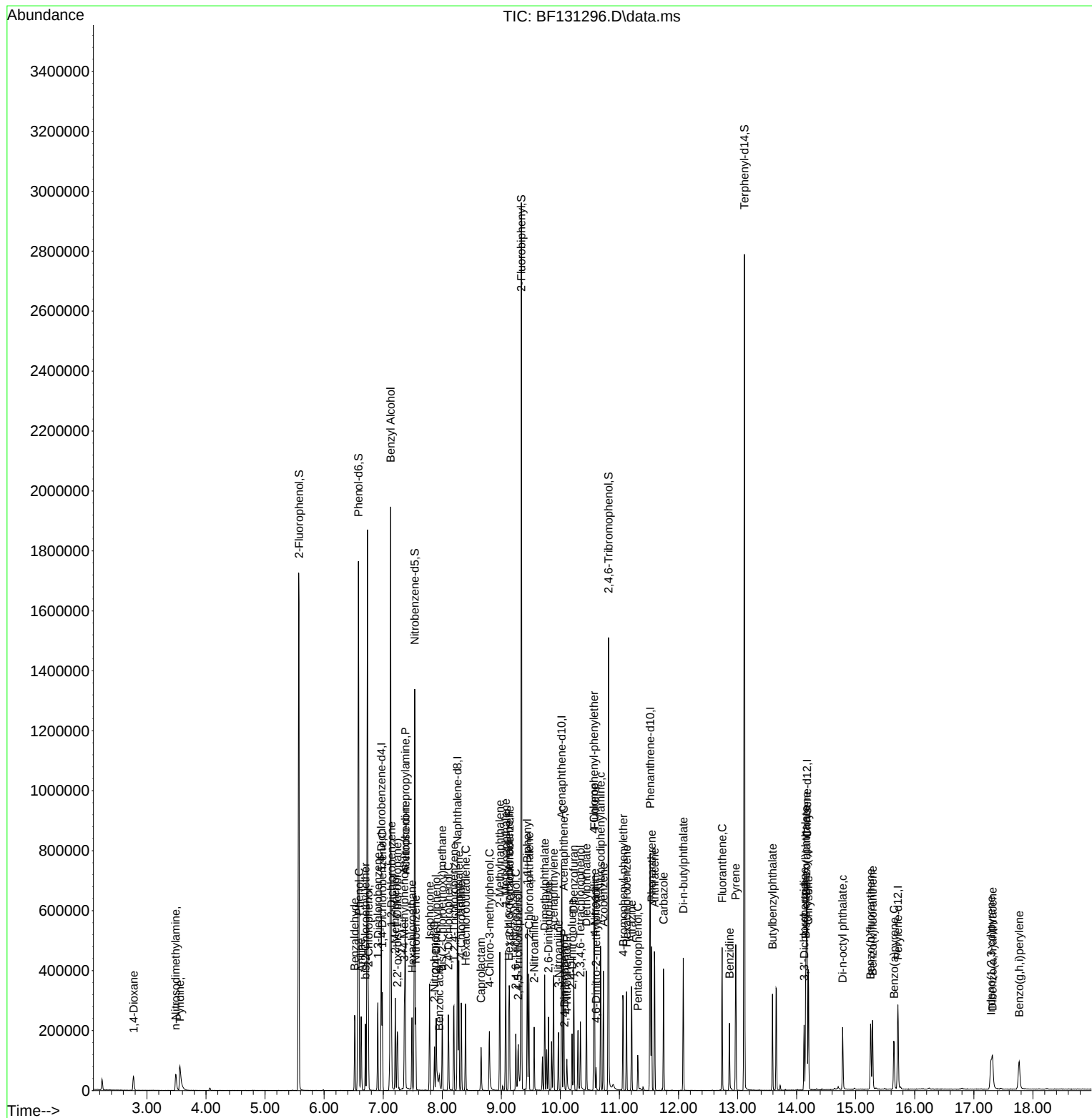
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111822\
 Data File : BF131296.D
 Acq On : 18 Nov 2022 13:07
 Operator : CG\JU
 Sample : N4955-02
 Misc : LOQ-SOIL 10ppm
 ALS Vial : 8 Sample Multiplier: 1

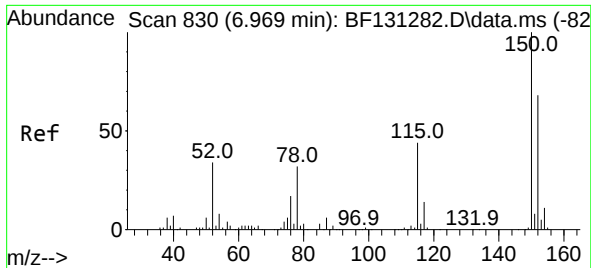
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

Quant Time: Nov 21 01:19:38 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

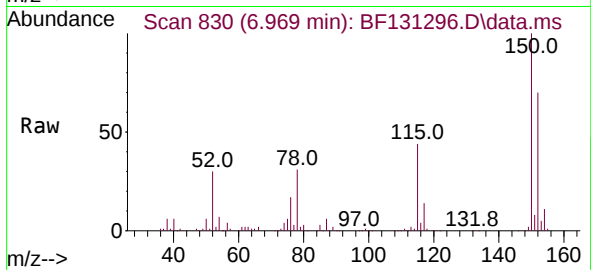
Reviewed By : Christian Giraldo 11/21/2022
 Supervised By : Jagrut Upadhyay 11/21/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 830
Delta R.T. -0.000 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

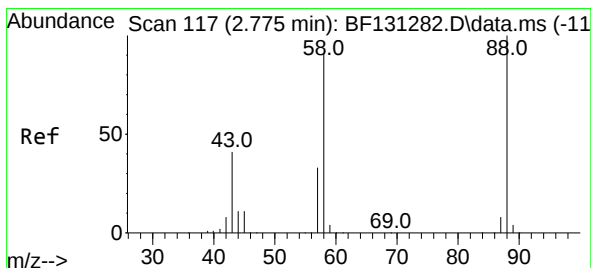
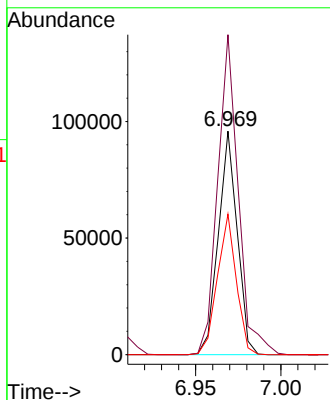
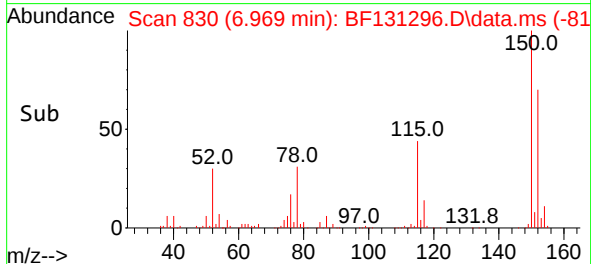
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:152 Resp: 73852
Ion Ratio Lower Upper
152 100
150 143.2 117.8 176.6
115 62.9 52.2 78.4

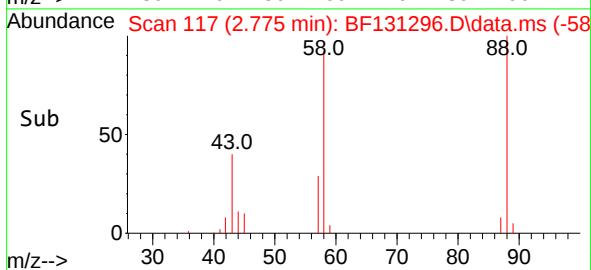
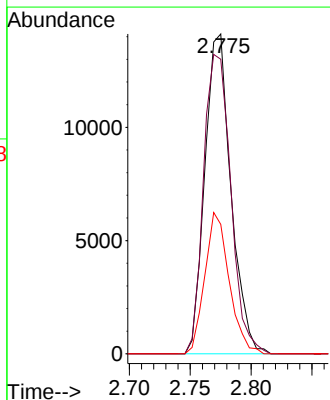
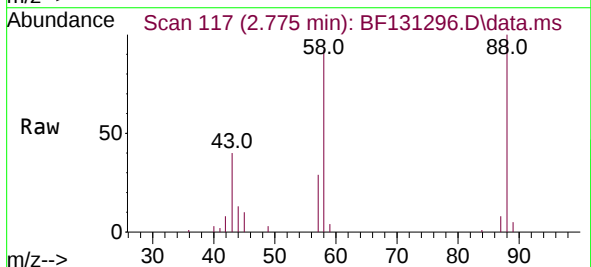
Manual Integrations
APPROVED

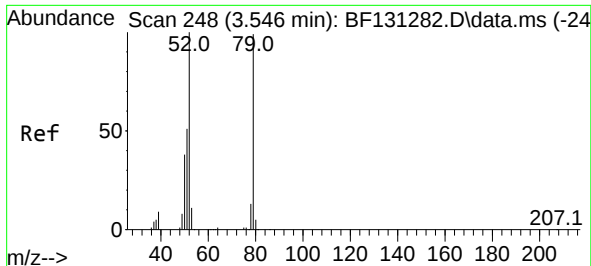
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#2
1,4-Dioxane
Concen: 11.308 ng
RT: 2.775 min Scan# 117
Delta R.T. -0.000 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion: 88 Resp: 21097
Ion Ratio Lower Upper
88 100
58 97.5 76.0 114.0
43 41.3 32.4 48.6





#3

Pyridine

Concen: 9.682 ng

RT: 3.557 min Scan# 248

Delta R.T. 0.012 min

Lab File: BF131296.D

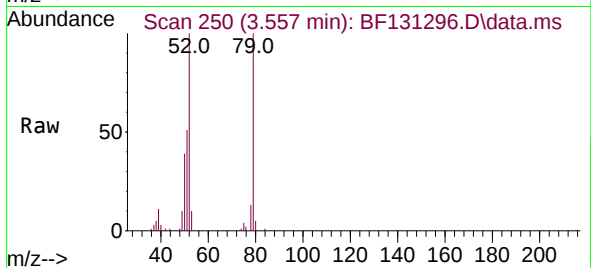
Acq: 18 Nov 2022 13:07

Instrument :

BNA_F

ClientSampleId :

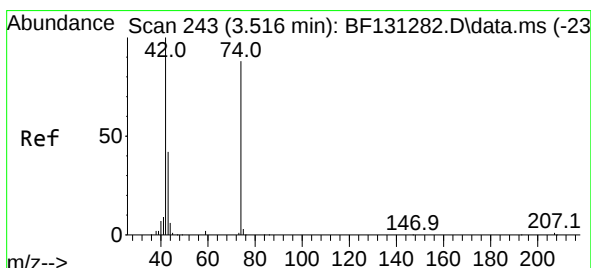
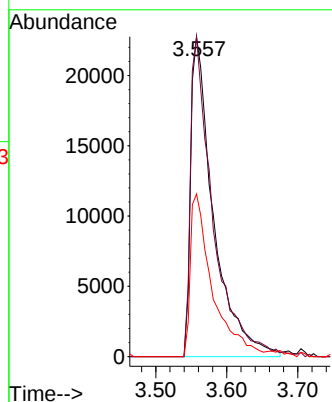
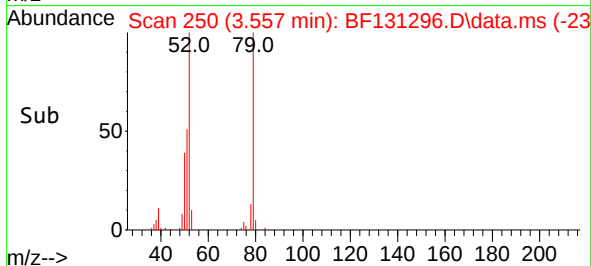
LOQ-SOIL-02-QT4-2022



Tgt Ion: 79	Resp: 50332
Ion Ratio	Lower Upper
79	100
52	100.0 80.7 121.1
51	50.9 41.6 62.4

Manual Integrations
APPROVED

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



#4

n-Nitrosodimethylamine

Concen: 10.152 ng

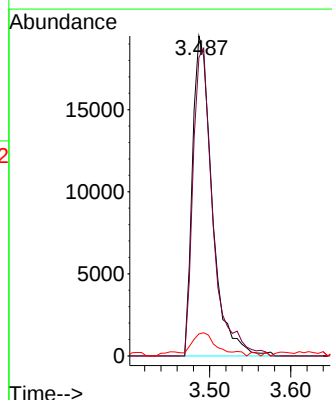
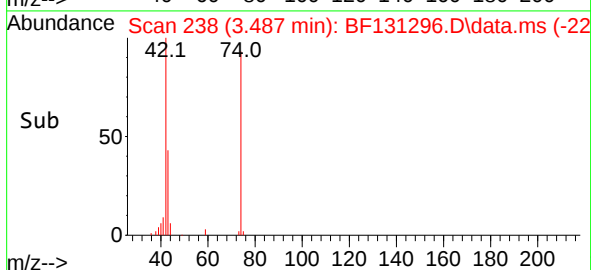
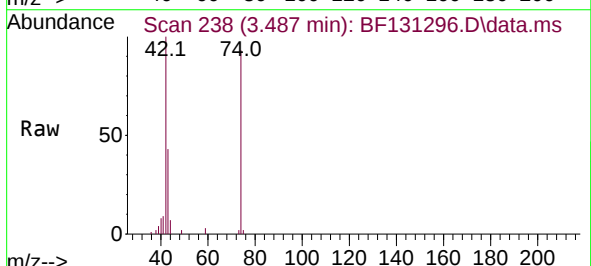
RT: 3.487 min Scan# 238

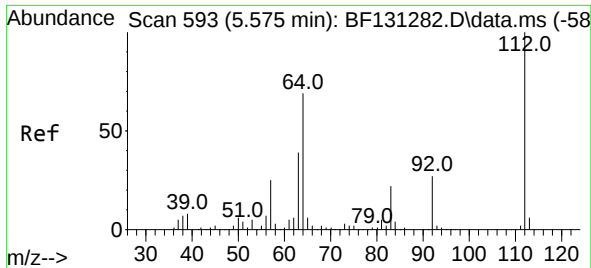
Delta R.T. -0.029 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

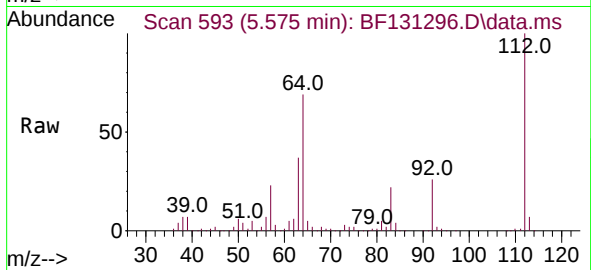
Tgt Ion: 42	Resp: 32743
Ion Ratio	Lower Upper
42	100
74	93.3 70.3 105.5
44	6.9 5.4 8.2





#5
2-Fluorophenol
Concen: 110.781 ng
RT: 5.575 min Scan# 593
Delta R.T. -0.000 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

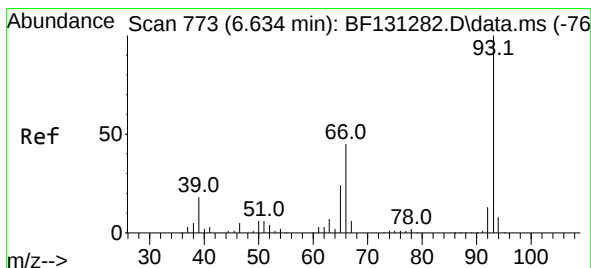
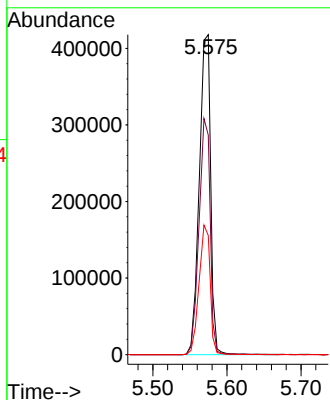
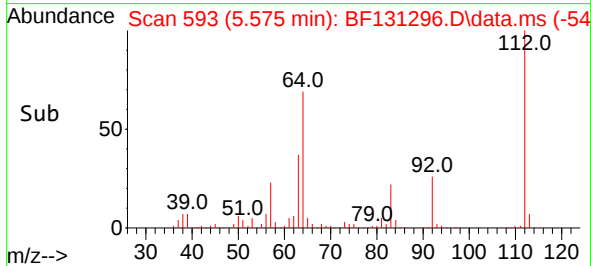
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:112 Resp: 447019
Ion Ratio Lower Upper
112 100
64 68.6 55.5 83.3
63 37.2 31.0 46.6

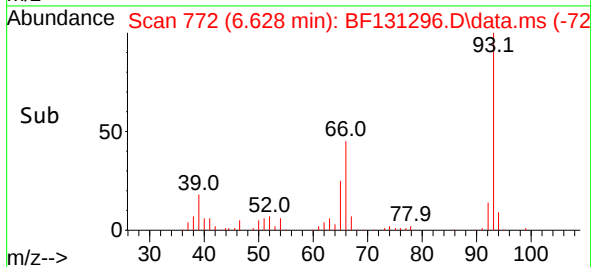
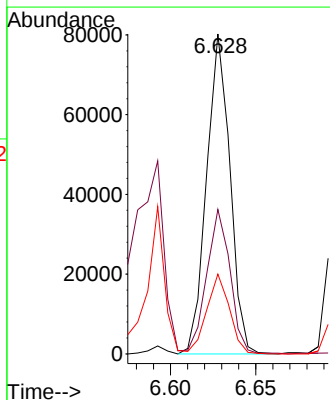
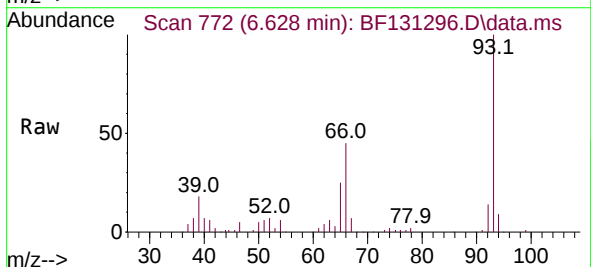
Manual Integrations
APPROVED

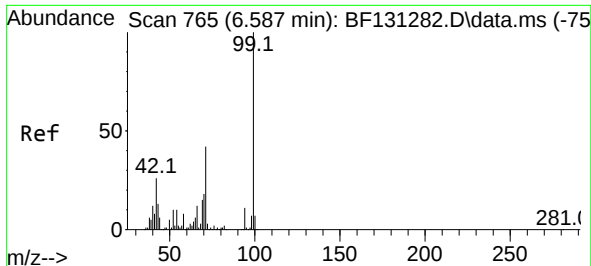
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#6
Aniline
Concen: 11.963 ng
RT: 6.628 min Scan# 772
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion: 93 Resp: 76588
Ion Ratio Lower Upper
93 100
66 45.1 37.7 56.5
65 24.9 19.5 29.3





#7

Phenol-d6

Concen: 109.350 ng

RT: 6.581 min Scan# 764

Delta R.T. -0.006 min

Lab File: BF131296.D

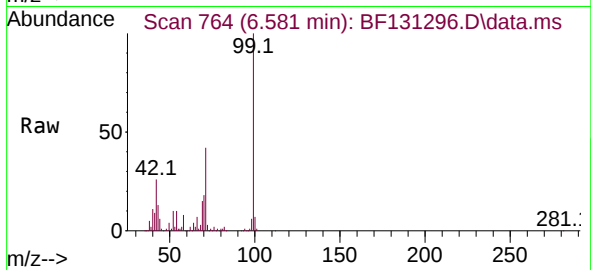
Acq: 18 Nov 2022 13:07

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022



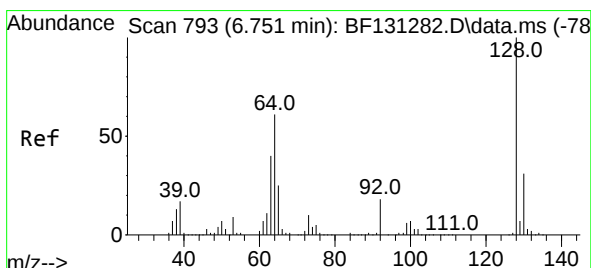
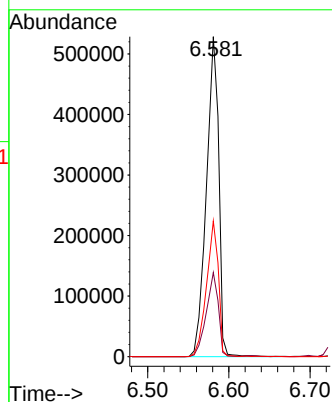
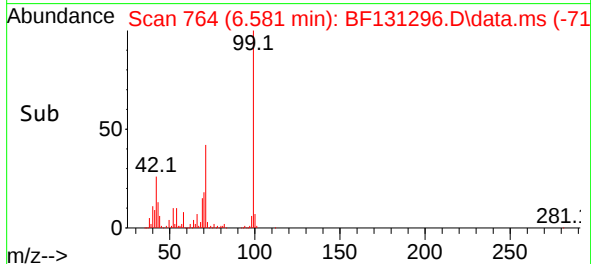
Tgt Ion:	99	Resp:	559375
Ion	Ratio	Lower	Upper
99	100		
42	26.3	21.2	31.8
71	42.4	33.8	50.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#8

2-Chlorophenol

Concen: 11.530 ng

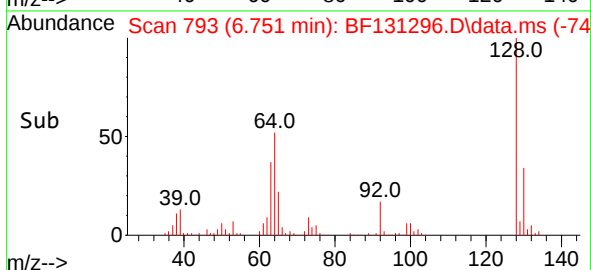
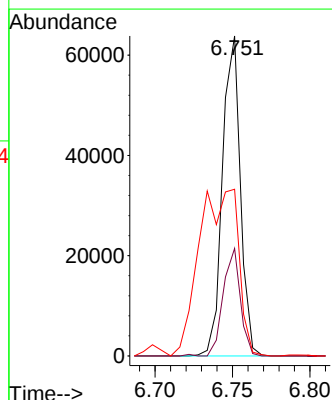
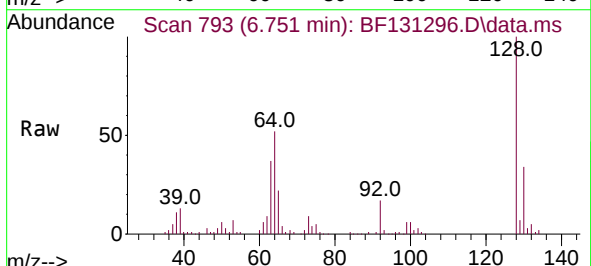
RT: 6.751 min Scan# 793

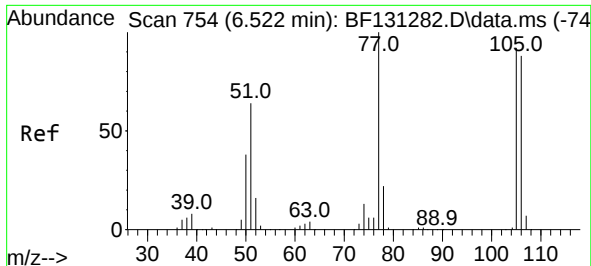
Delta R.T. -0.000 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

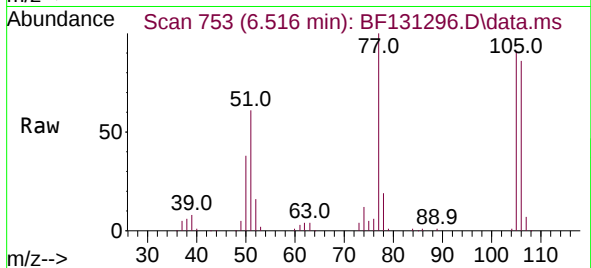
Tgt Ion:	128	Resp:	51501
Ion	Ratio	Lower	Upper
128	100		
130	33.6	11.4	51.4
64	52.1	40.9	80.9





#9
Benzaldehyde
Concen: 12.881 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

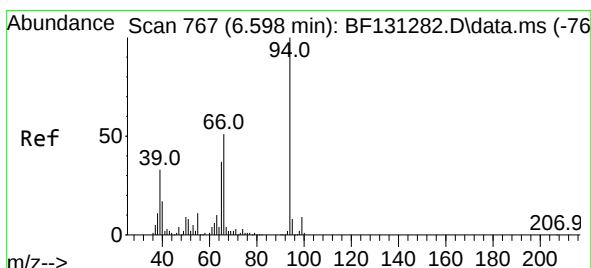
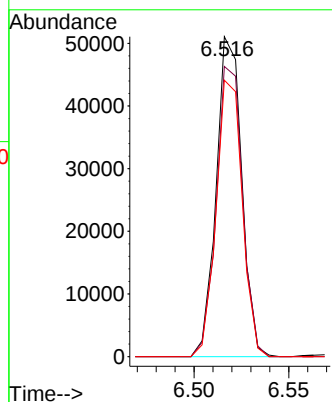
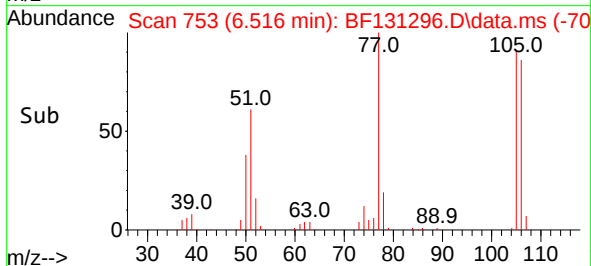
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



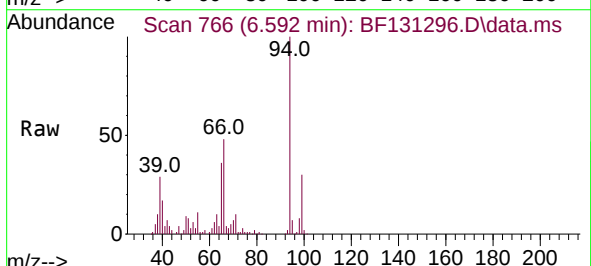
Tgt Ion: 77 Resp: 4783
Ion Ratio Lower Upper
77 100
105 90.7 72.5 112.5
106 86.4 67.7 107.7

Manual Integrations
APPROVED

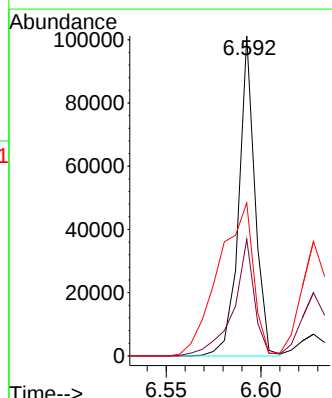
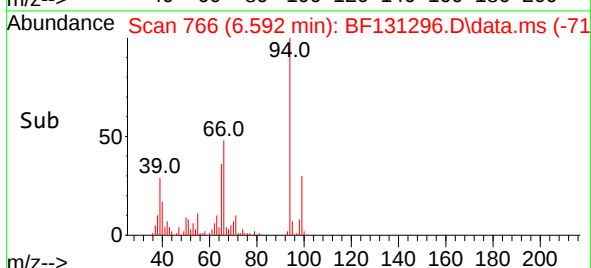
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

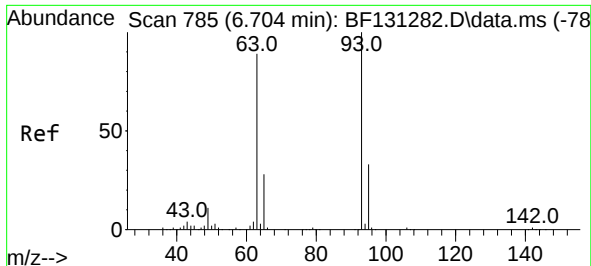


#10
Phenol
Concen: 10.670 ng
RT: 6.592 min Scan# 766
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07



Tgt Ion: 94 Resp: 60411
Ion Ratio Lower Upper
94 100
65 36.5 16.8 56.8
66 47.8 31.4 71.4





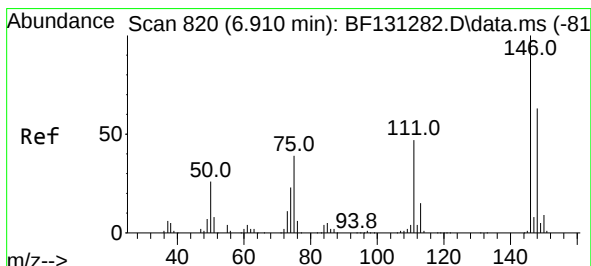
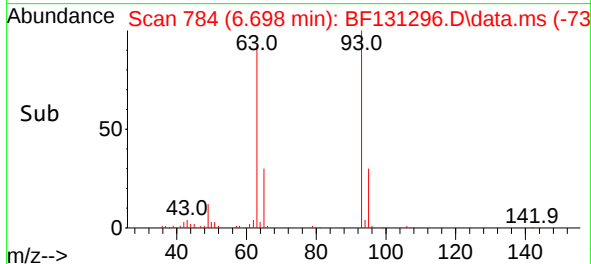
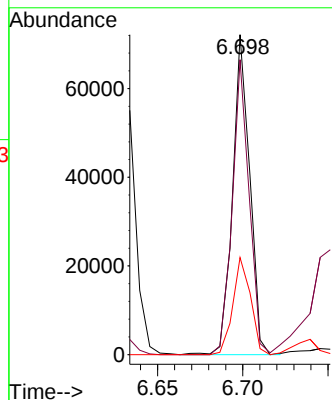
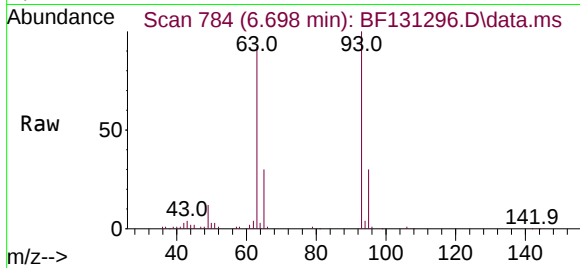
#11
bis(2-Chloroethyl)ether
Concen: 11.060 ng
RT: 6.698 min Scan# 785
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

Tgt Ion: 93 Resp: 50402
Ion Ratio Lower Upper
93 100
63 92.2 68.8 108.8
95 30.3 12.4 52.4

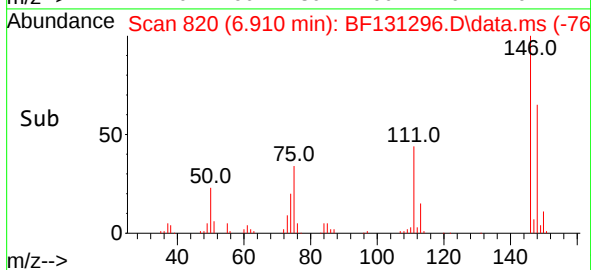
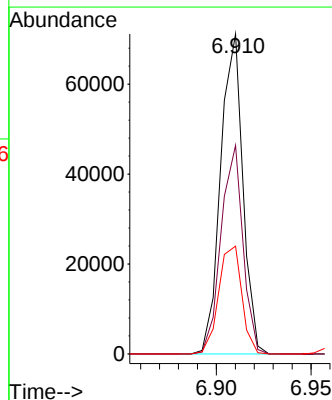
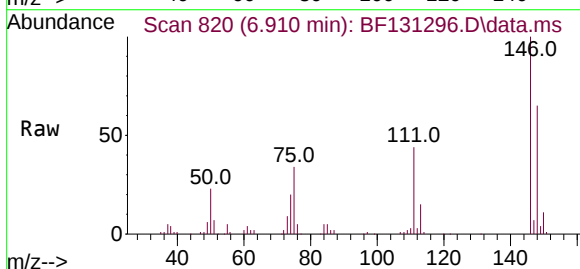
Manual Integrations
APPROVED

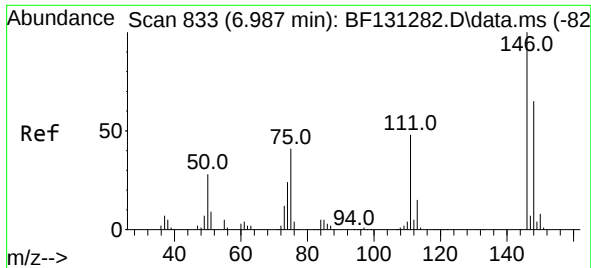
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#12
1,3-Dichlorobenzene
Concen: 10.911 ng
RT: 6.910 min Scan# 820
Delta R.T. -0.000 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion:146 Resp: 57977
Ion Ratio Lower Upper
146 100
148 65.2 50.4 75.6
75 33.7 30.9 46.3





#13

1,4-Dichlorobenzene

Concen: 10.927 ng

RT: 6.987 min Scan# 841

Delta R.T. -0.000 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:146 Resp: 59038

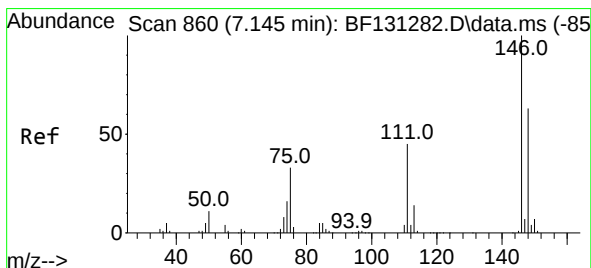
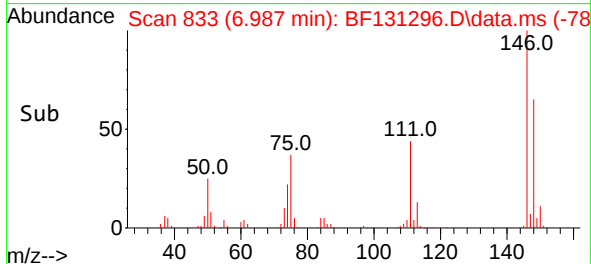
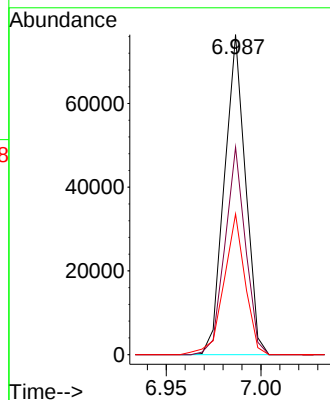
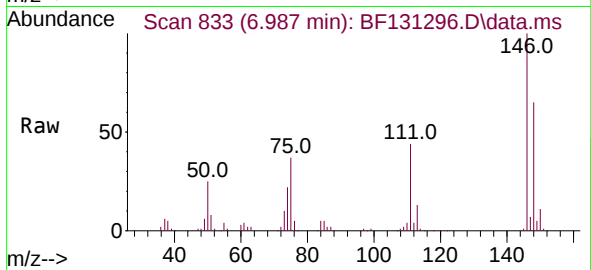
Ion	Ratio	Lower	Upper
146	100		
148	64.8	51.9	77.9
111	43.9	38.3	57.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#14

1,2-Dichlorobenzene

Concen: 10.881 ng

RT: 7.140 min Scan# 859

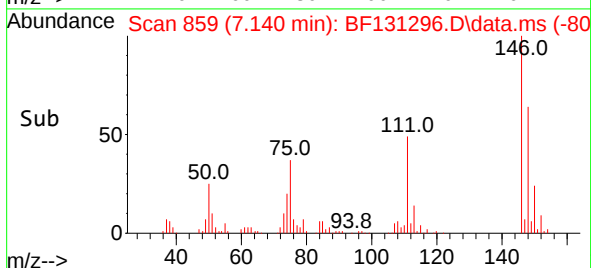
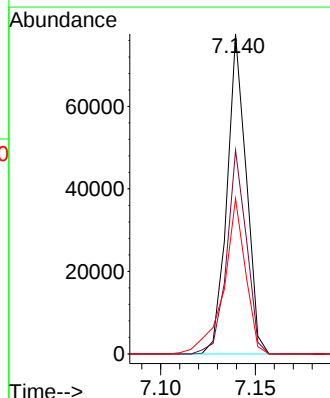
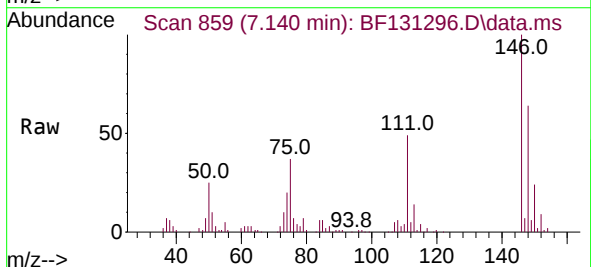
Delta R.T. -0.006 min

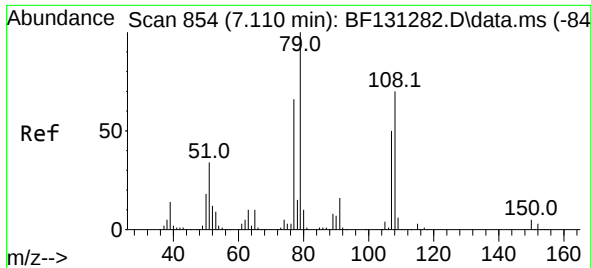
Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

Tgt Ion:146 Resp: 54722

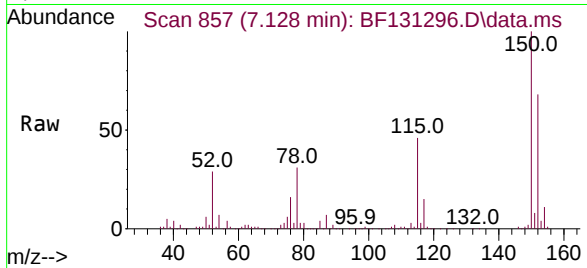
Ion	Ratio	Lower	Upper
146	100		
148	63.6	50.6	75.8
111	48.5	36.4	54.6





#15
Benzyl Alcohol
Concen: 7.238 ng
RT: 7.128 min Scan# 854
Delta R.T. 0.018 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

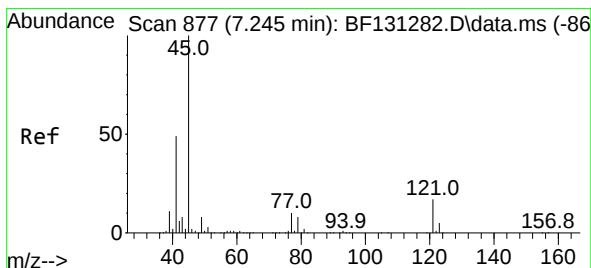
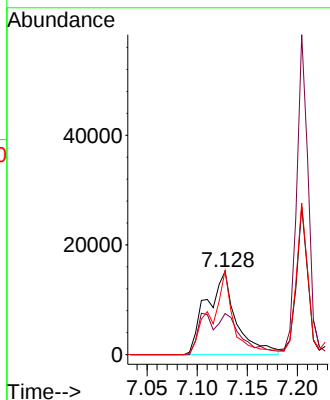
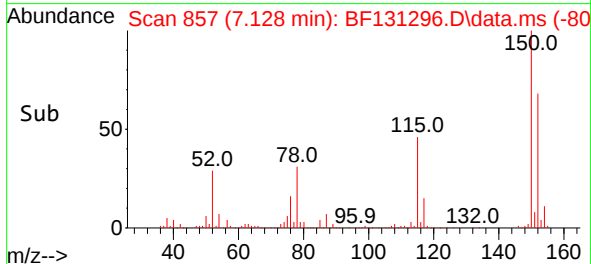
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion: 79 Resp: 31538
Ion Ratio Lower Upper
79 100
108 49.2 56.3 84.5
77 100.9 52.5 78.7

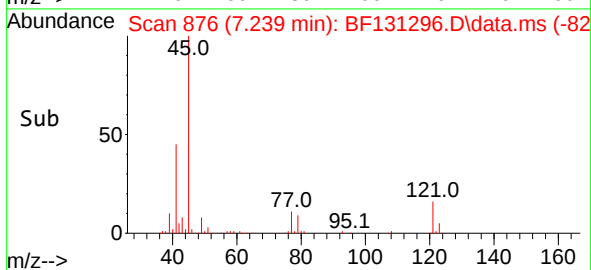
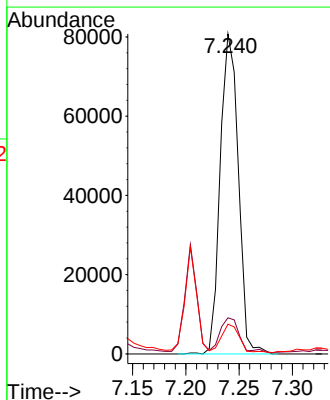
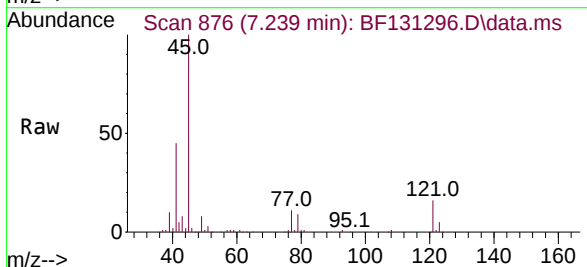
Manual Integrations
APPROVED

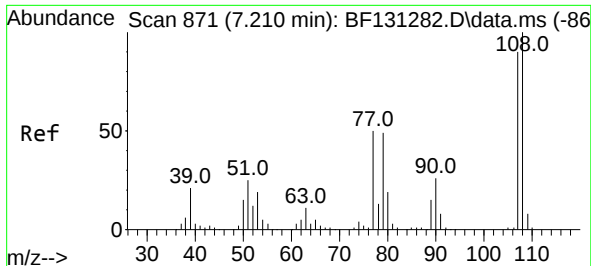
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 11.098 ng
RT: 7.239 min Scan# 876
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

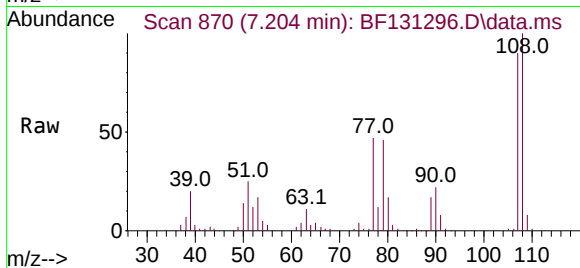
Tgt Ion: 45 Resp: 95758
Ion Ratio Lower Upper
45 100
77 11.3 0.0 30.8
79 9.3 0.0 28.4





#17
2-Methylphenol
Concen: 10.556 ng
RT: 7.204 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

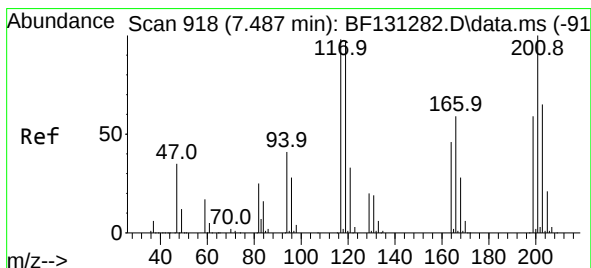
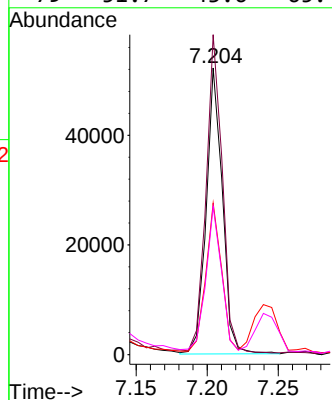
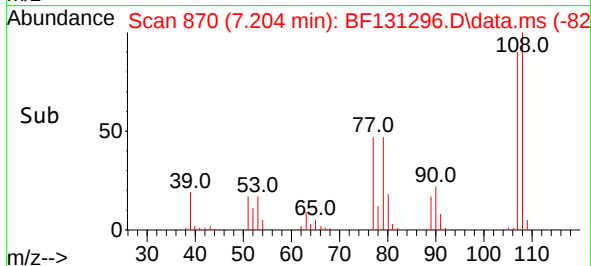
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:107 Resp: 41222
Ion Ratio Lower Upper
107 100
108 111.6 89.2 133.8
77 52.8 45.0 67.4
79 51.7 43.6 65.4

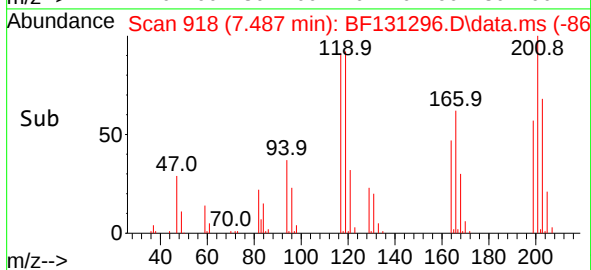
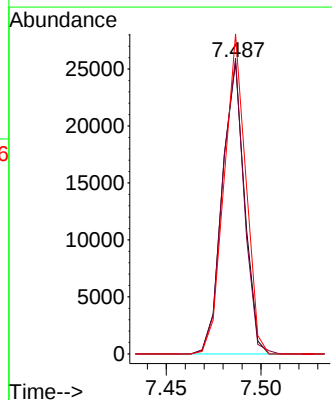
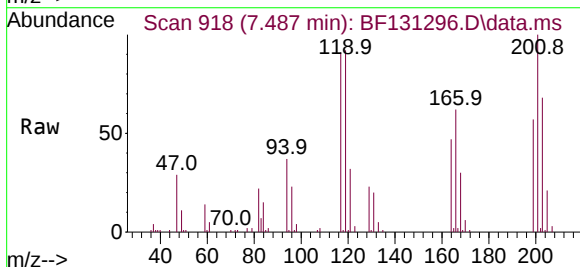
Manual Integrations
APPROVED

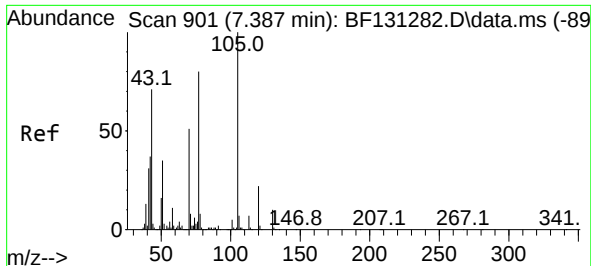
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#18
Hexachloroethane
Concen: 10.831 ng
RT: 7.487 min Scan# 918
Delta R.T. -0.000 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

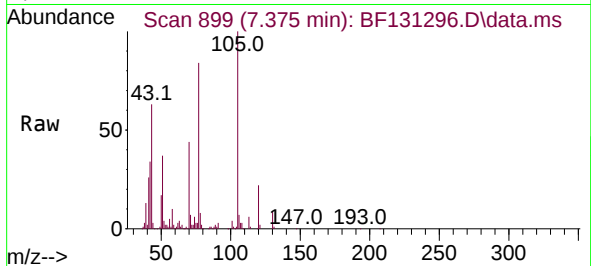
Tgt Ion:117 Resp: 20808
Ion Ratio Lower Upper
117 100
119 101.4 79.0 118.4
201 109.8 81.7 122.5





#19
n-Nitroso-di-n-propylamine
Concen: 10.786 ng
RT: 7.375 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

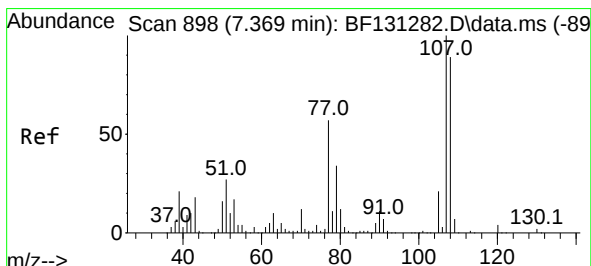
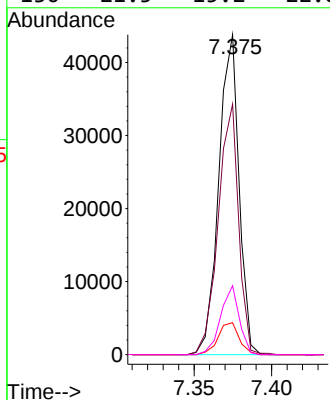
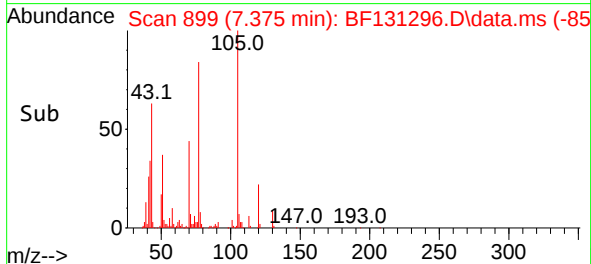
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion: 70 Resp: 39686
Ion Ratio Lower Upper
70 100
42 78.3 58.9 88.3
101 10.0 7.2 10.8
130 21.5 15.2 22.8

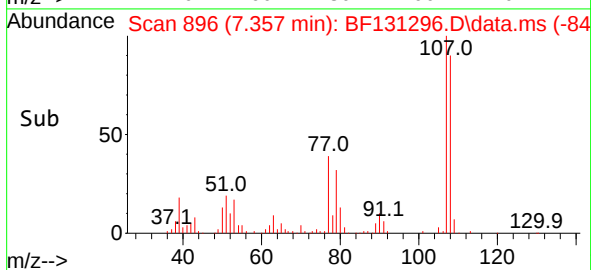
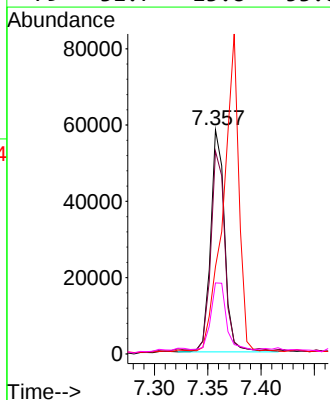
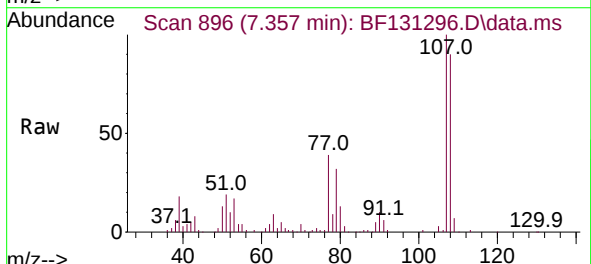
Manual Integrations
APPROVED

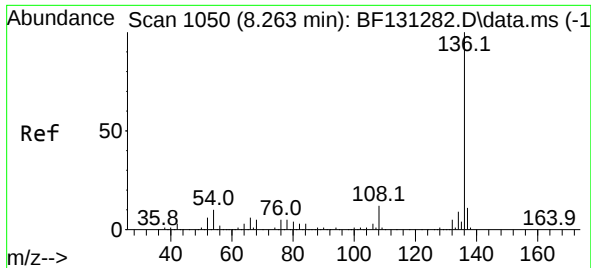
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#20
3+4-Methylphenols
Concen: 10.651 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

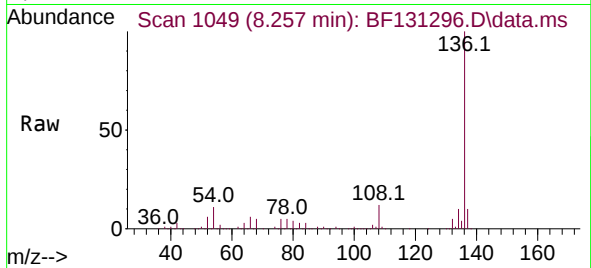
Tgt Ion:107 Resp: 53120
Ion Ratio Lower Upper
107 100
108 90.4 69.0 109.0
77 39.0 36.9 76.9
79 31.7 13.8 53.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.257 min Scan# 1049
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

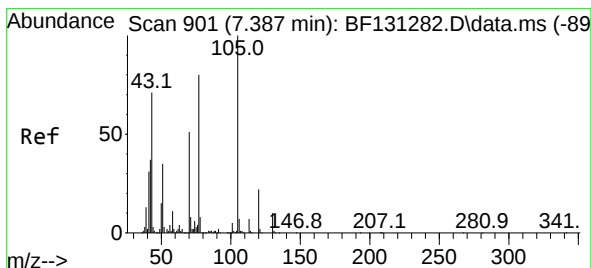
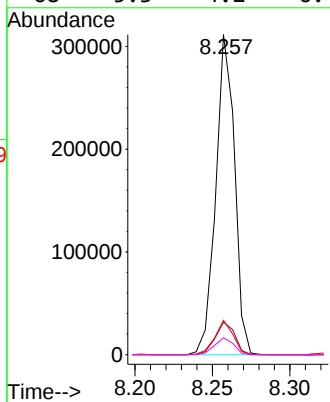
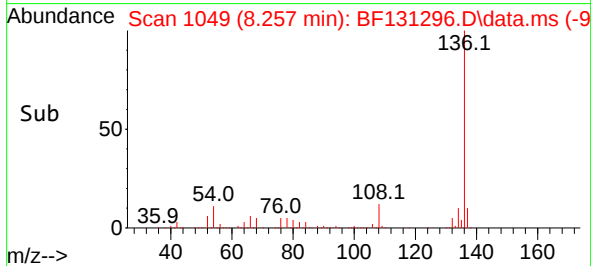
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:136	Resp: 26316
Ion Ratio	Lower Upper
136 100	
137 10.1	8.6 12.8
54 10.7	8.2 12.2
68 5.3	4.2 6.4

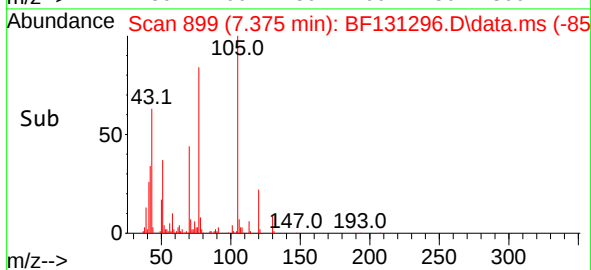
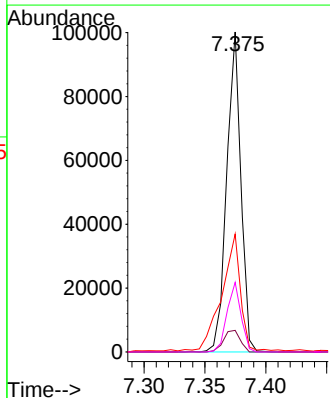
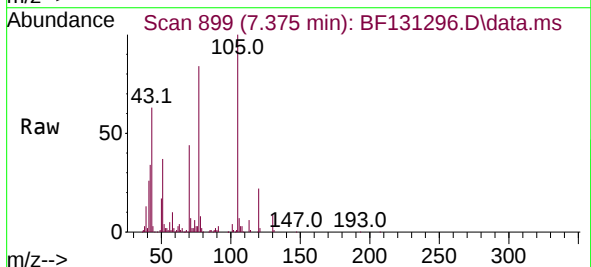
Manual Integrations
APPROVED

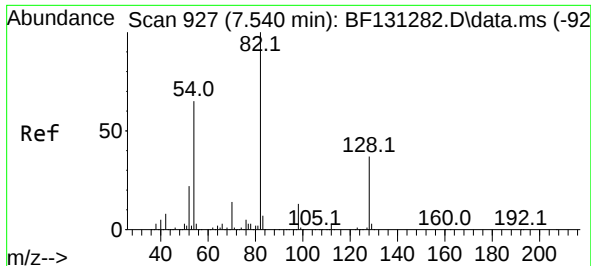
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#22
Acetophenone
Concen: 11.615 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion:105	Resp: 80769
Ion Ratio	Lower Upper
105 100	
71 6.7	6.4 9.6
51 36.8	28.0 42.0
120 21.7	17.7 26.5





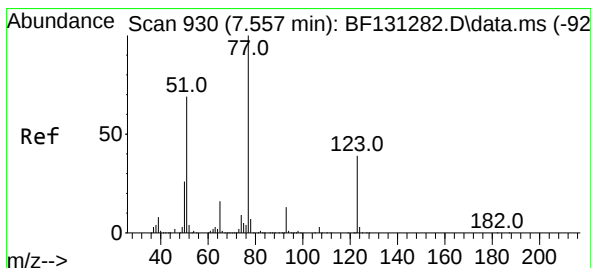
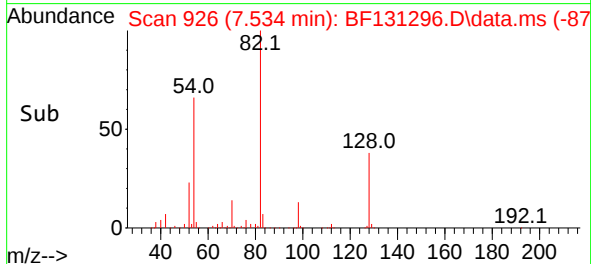
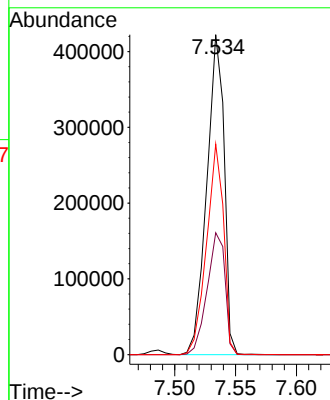
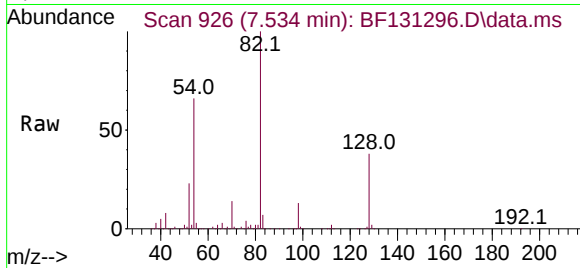
#23
Nitrobenzene-d5
Concen: 85.192 ng
RT: 7.534 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

Tgt Ion: 82 Resp: 419704
Ion Ratio Lower Upper
82 100
128 38.1 29.2 43.8
54 65.8 52.2 78.4

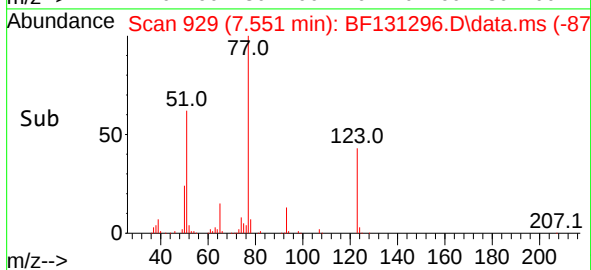
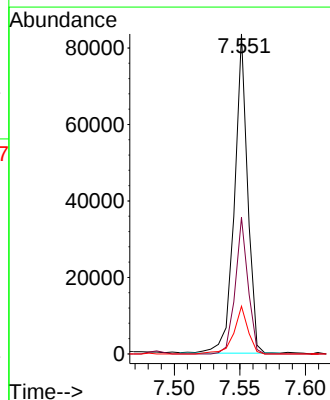
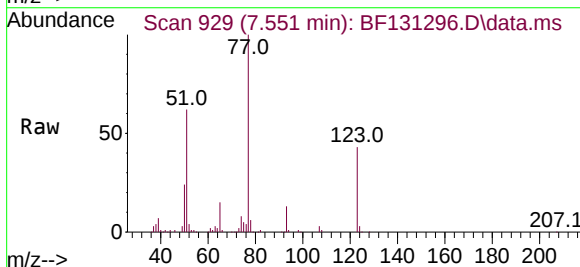
Manual Integrations
APPROVED

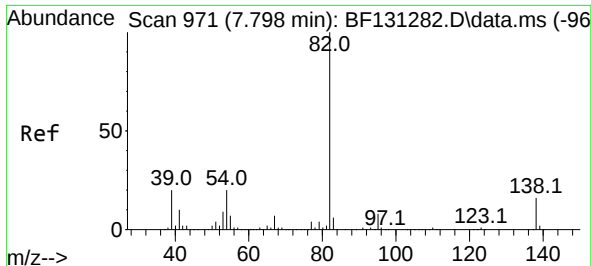
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#24
Nitrobenzene
Concen: 11.730 ng
RT: 7.551 min Scan# 929
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

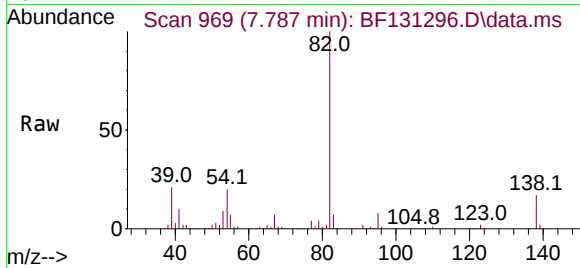
Tgt Ion: 77 Resp: 58493
Ion Ratio Lower Upper
77 100
123 42.6 31.0 46.6
65 14.9 12.6 19.0





#25
Isophorone
Concen: 11.331 ng
RT: 7.787 min Scan# 90
Delta R.T. -0.011 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

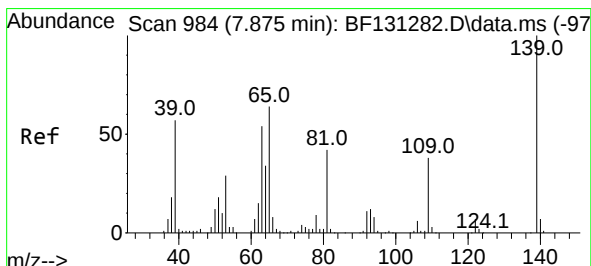
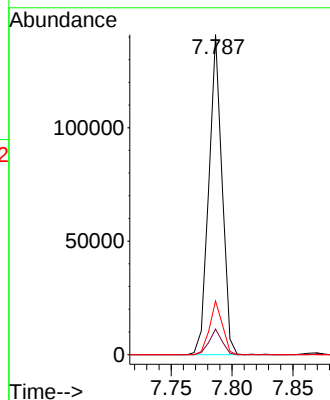
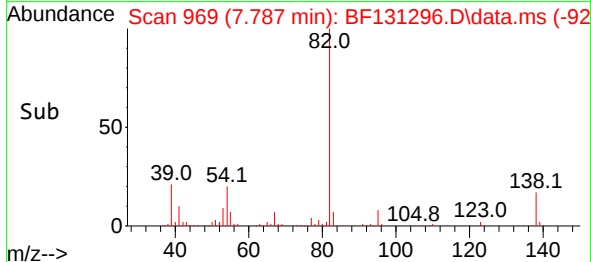
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion: 82 Resp: 106579
Ion Ratio Lower Upper
82 100
95 8.0 6.6 9.8
138 16.8 13.0 19.6

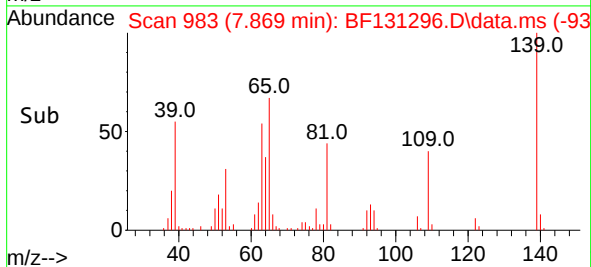
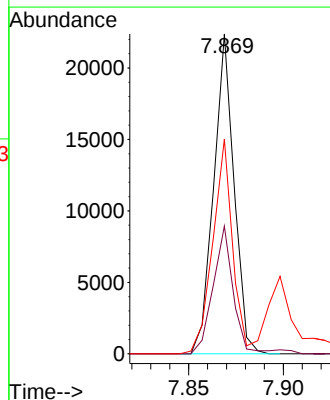
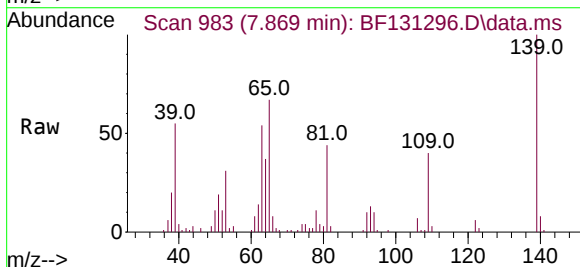
Manual Integrations
APPROVED

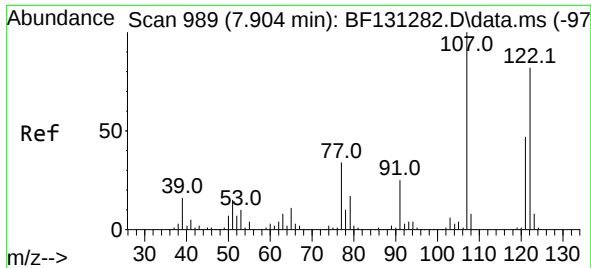
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#26
2-Nitrophenol
Concen: 10.622 ng
RT: 7.869 min Scan# 983
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion:139 Resp: 16776
Ion Ratio Lower Upper
139 100
109 39.9 30.4 45.6
65 67.1 51.5 77.3





#27

2,4-Dimethylphenol

Concen: 12.340 ng

RT: 7.898 min Scan# 98

Delta R.T. -0.006 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

Instrument :

BNA_F

ClientSampleId :

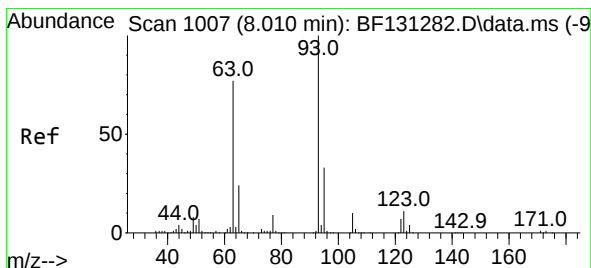
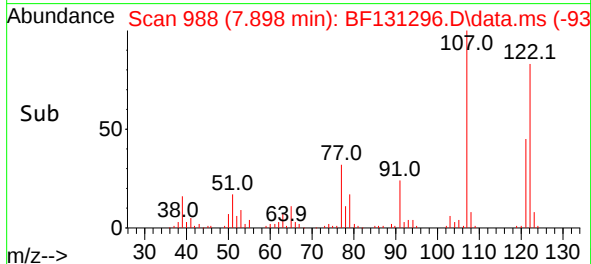
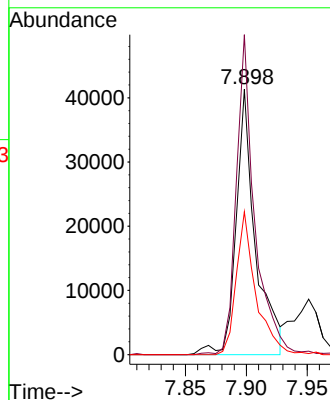
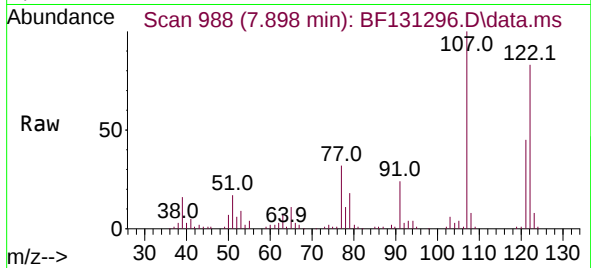
LOQ-SOIL-02-QT4-2022

Tgt Ion:122 Resp: 45634
 Ion Ratio Lower Upper
 122 100
 107 120.6 98.2 147.2
 121 53.8 46.3 69.5

Manual Integrations

APPROVED

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



#28

bis(2-Chloroethoxy)methane

Concen: 12.222 ng

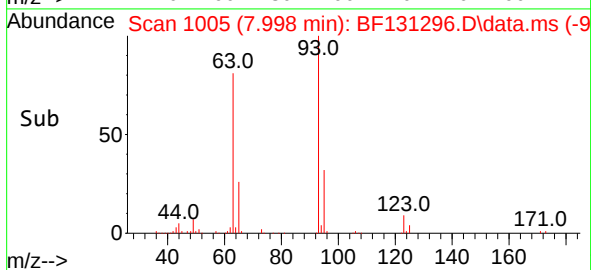
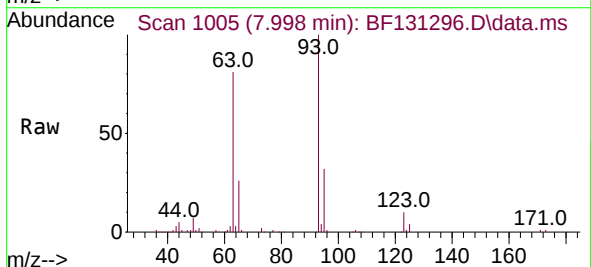
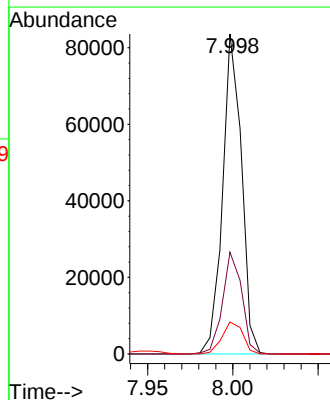
RT: 7.998 min Scan# 1005

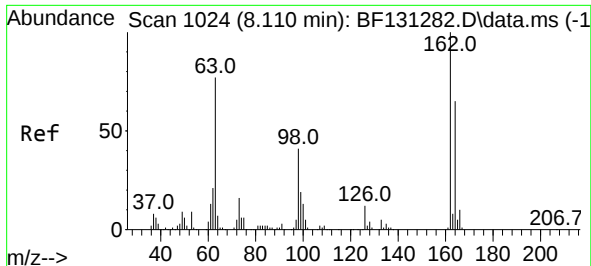
Delta R.T. -0.012 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

Tgt Ion: 93 Resp: 64212
 Ion Ratio Lower Upper
 93 100
 95 31.8 26.4 39.6
 123 10.0 9.3 13.9





#29

2,4-Dichlorophenol

Concen: 10.828 ng

RT: 8.104 min Scan# 1023

Delta R.T. -0.006 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

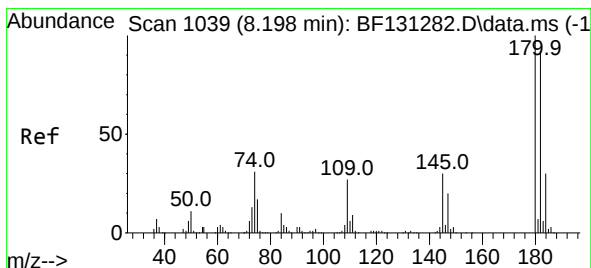
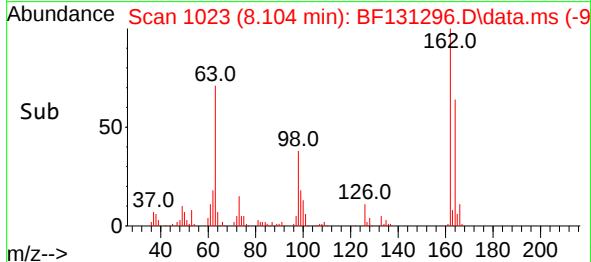
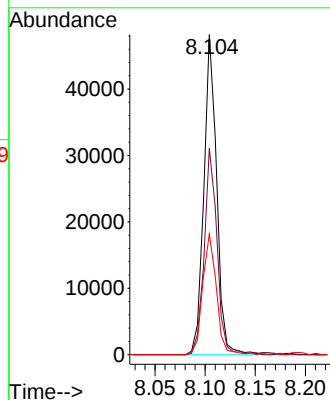
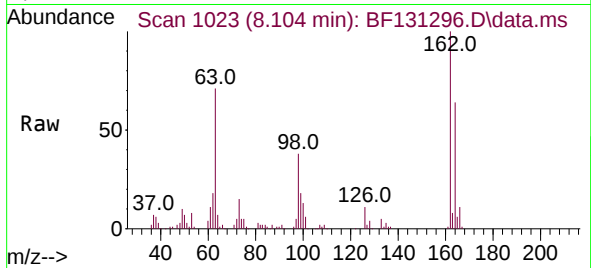
Tgt Ion:162 Resp: 42883
 Ion Ratio Lower Upper
 162 100
 164 64.5 44.7 84.7
 98 37.7 21.5 61.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#30

1,2,4-Trichlorobenzene

Concen: 10.725 ng

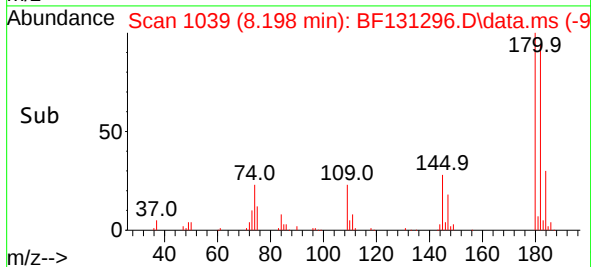
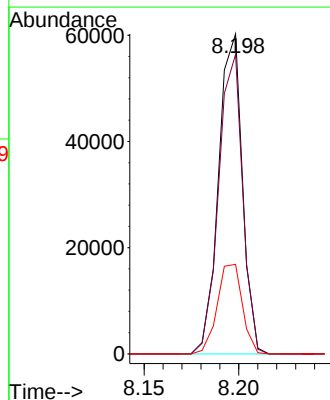
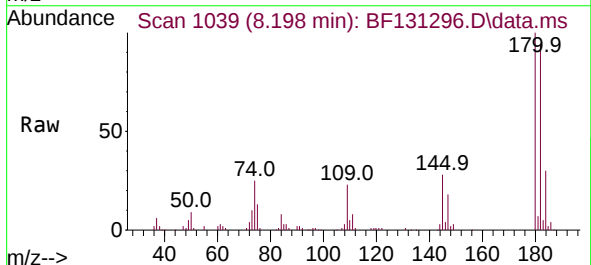
RT: 8.198 min Scan# 1039

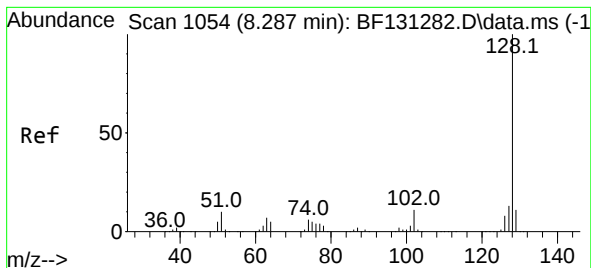
Delta R.T. 0.000 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

Tgt Ion:180 Resp: 52733
 Ion Ratio Lower Upper
 180 100
 182 93.6 74.0 111.0
 145 28.0 23.8 35.6





#31

Naphthalene

Concen: 10.740 ng

RT: 8.281 min Scan# 1054

Delta R.T. -0.006 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

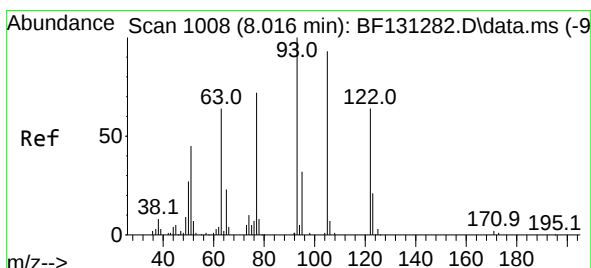
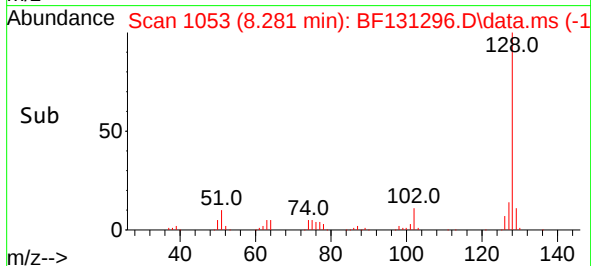
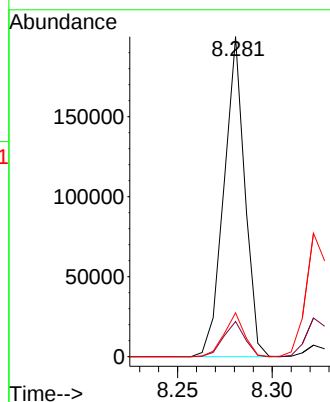
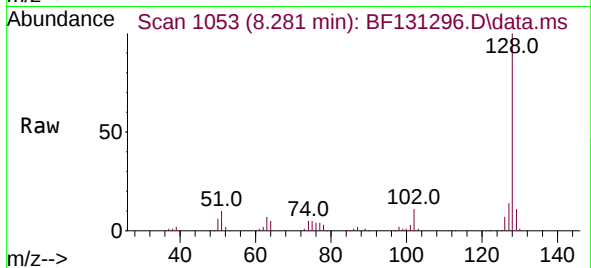
Tgt Ion:128 Resp: 153258
 Ion Ratio Lower Upper
 128 100
 129 11.0 8.6 13.0
 127 13.7 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#32

Benzoic acid

Concen: 6.530 ng m

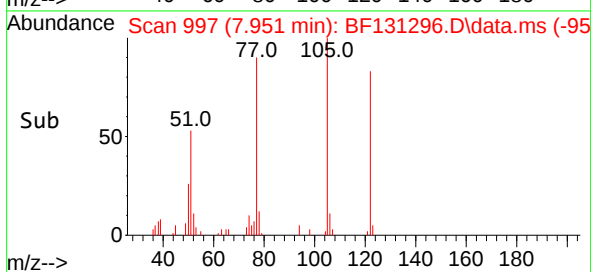
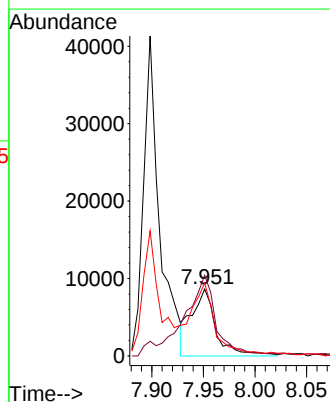
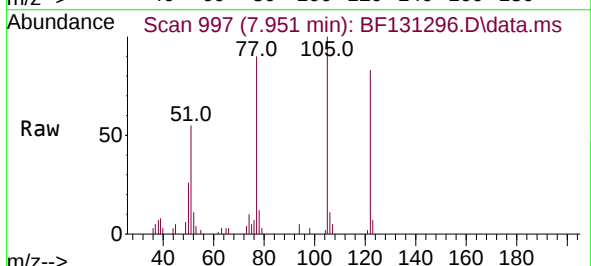
RT: 7.951 min Scan# 997

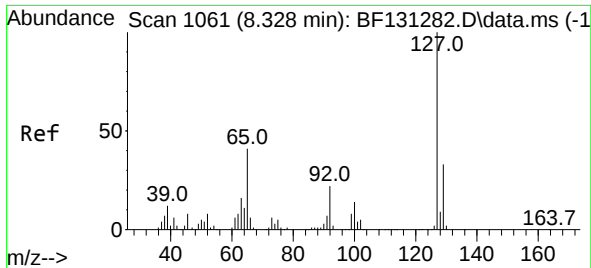
Delta R.T. -0.065 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

Tgt Ion:122 Resp: 14446
 Ion Ratio Lower Upper
 122 100
 105 120.4 121.4 161.4#
 77 108.9 91.2 131.2





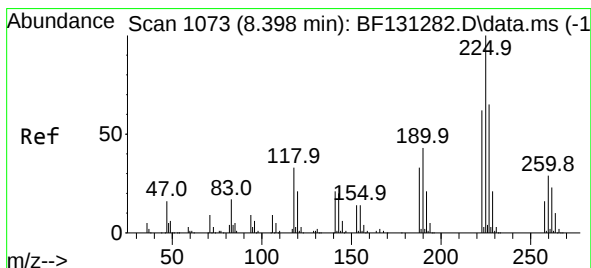
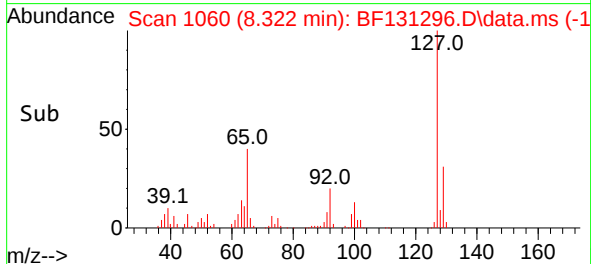
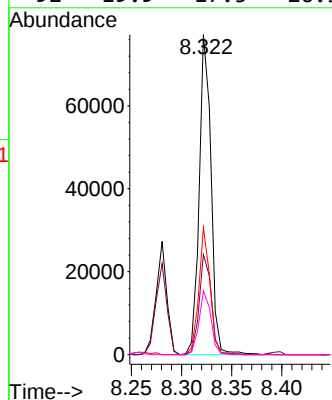
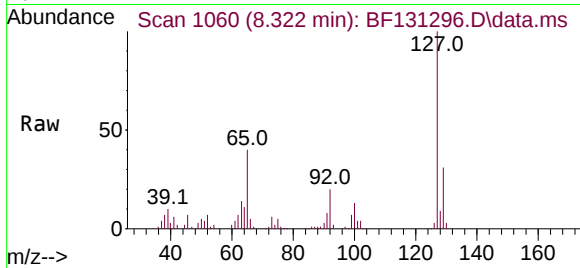
#33
4-Chloroaniline
Concen: 11.390 ng
RT: 8.322 min Scan# 1061
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

Tgt Ion:	127	Resp:	63136
Ion Ratio	Lower	Upper	
127	100		
129	31.3	26.6	40.0
65	39.6	33.2	49.8
92	19.9	17.5	26.3

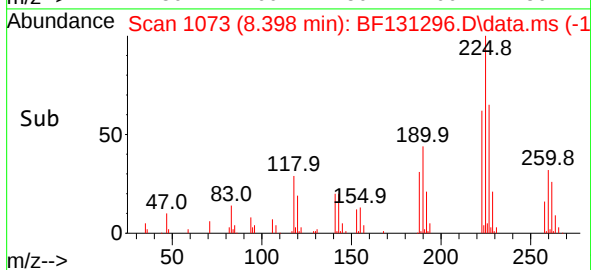
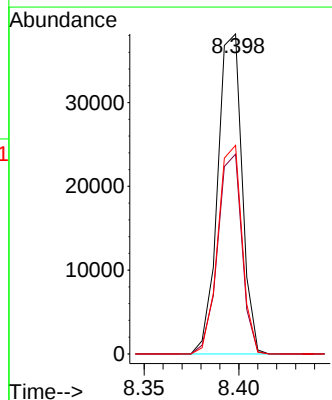
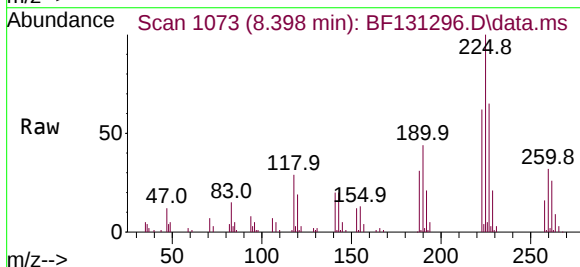
Manual Integrations
APPROVED

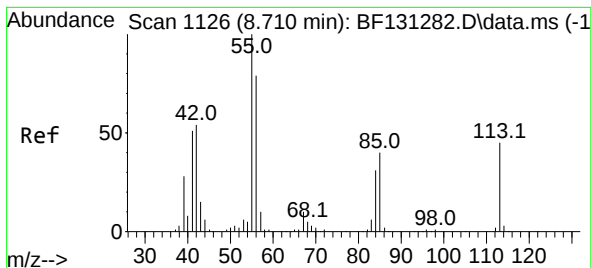
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#34
Hexachlorobutadiene
Concen: 10.487 ng
RT: 8.398 min Scan# 1073
Delta R.T. -0.000 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion:	225	Resp:	34073
Ion Ratio	Lower	Upper	
225	100		
223	62.4	49.4	74.2
227	65.2	51.7	77.5





#35

Caprolactam

Concen: 11.232 ng

RT: 8.657 min Scan# 1117

Delta R.T. -0.053 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

Instrument :

BNA_F

ClientSampleId :

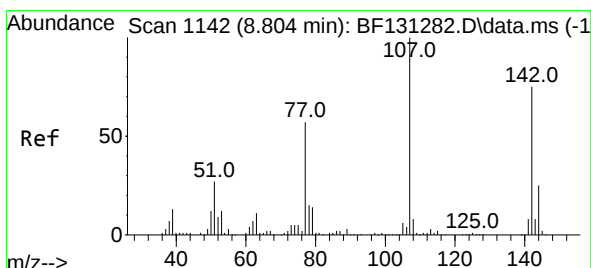
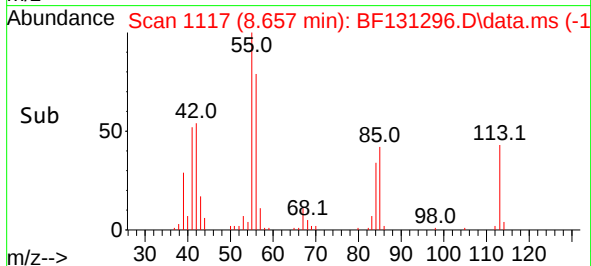
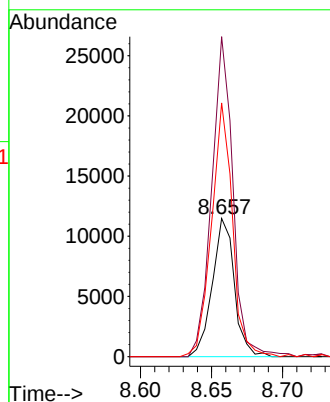
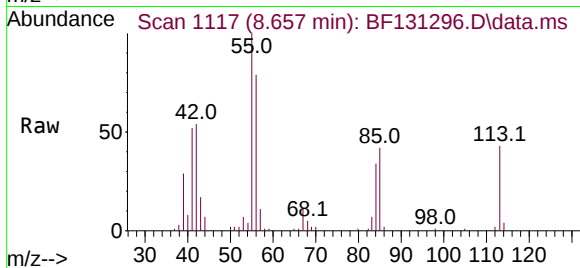
LOQ-SOIL-02-QT4-2022

Tgt Ion:	113	Resp:	12385
Ion Ratio	Lower	Upper	
113	100		
55	231.7	200.6	240.6
56	183.6	154.5	194.5

Manual Integrations

APPROVED

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



#36

4-Chloro-3-methylphenol

Concen: 10.629 ng

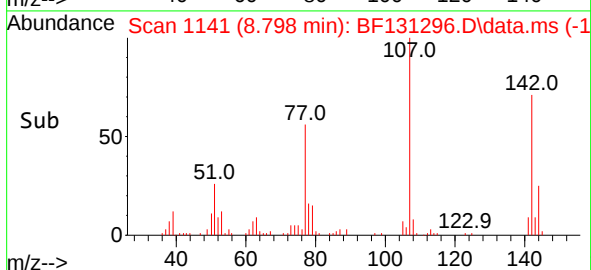
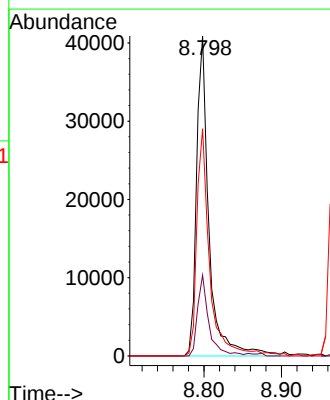
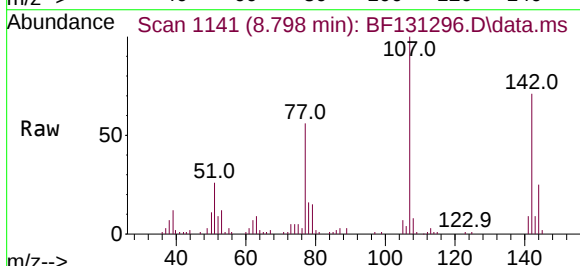
RT: 8.798 min Scan# 1141

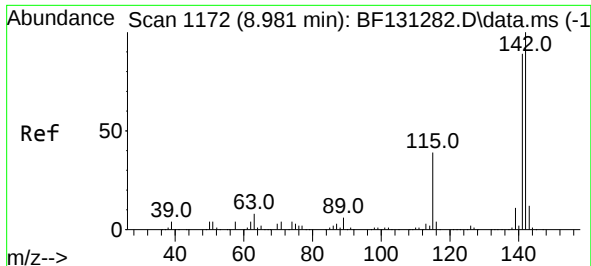
Delta R.T. -0.006 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

Tgt Ion:	107	Resp:	45369
Ion Ratio	Lower	Upper	
107	100		
144	25.2	19.6	29.4
142	71.0	60.1	90.1





#37

2-Methylnaphthalene

Concen: 11.007 ng

RT: 8.975 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:142 Resp: 105858

Ion Ratio Lower Upper

142 100

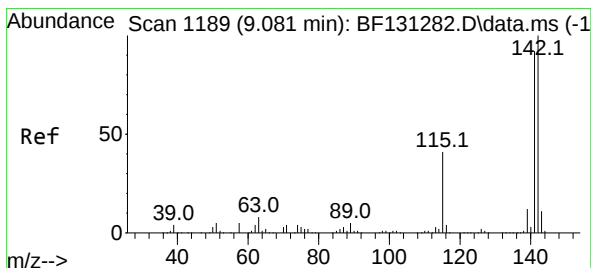
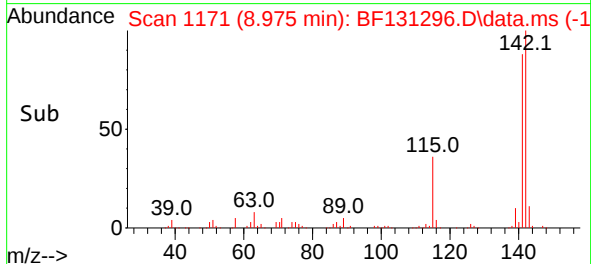
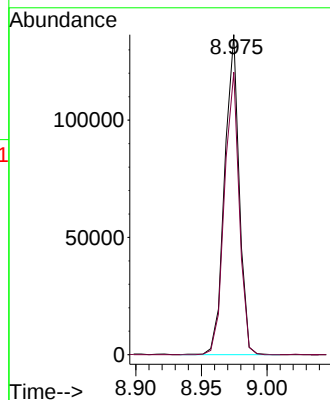
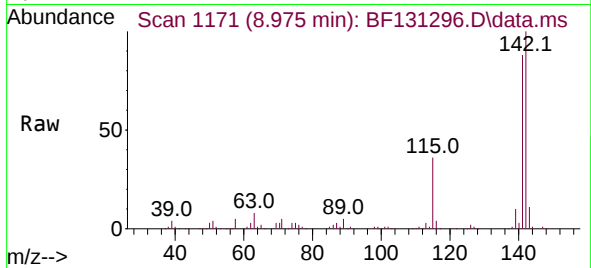
141 88.2 71.4 107.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#38

1-Methylnaphthalene

Concen: 10.801 ng

RT: 9.075 min Scan# 1188

Delta R.T. -0.006 min

Lab File: BF131296.D

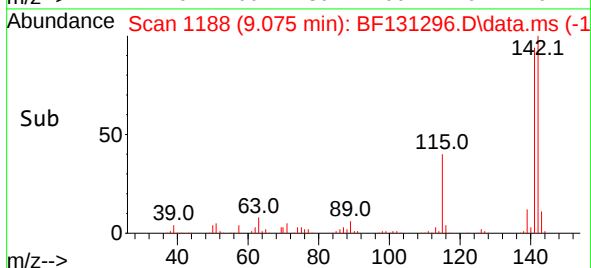
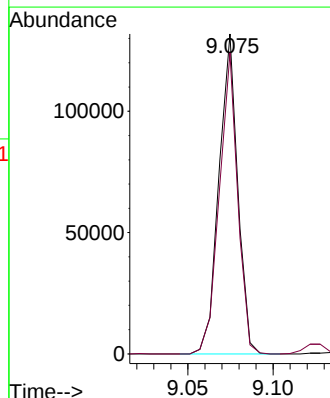
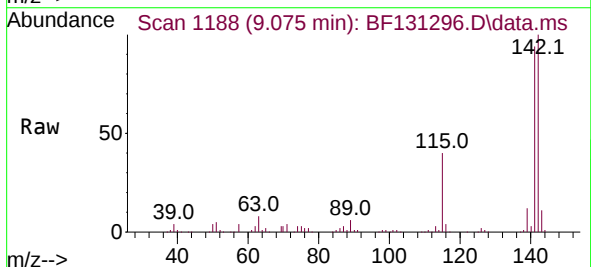
Acq: 18 Nov 2022 13:07

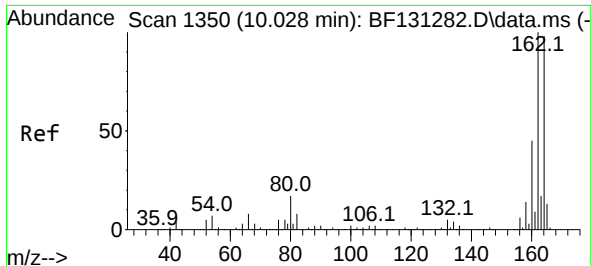
Tgt Ion:142 Resp: 100661

Ion Ratio Lower Upper

142 100

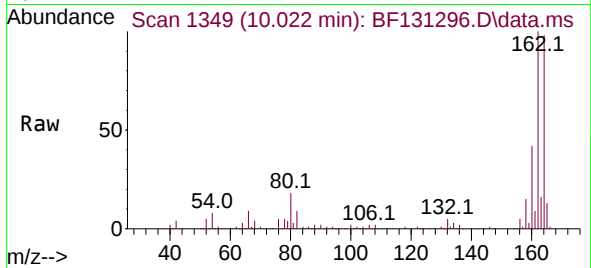
141 94.1 74.0 111.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.022 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

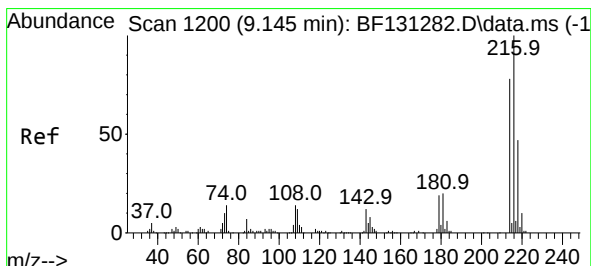
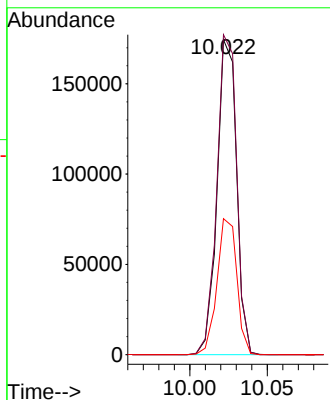
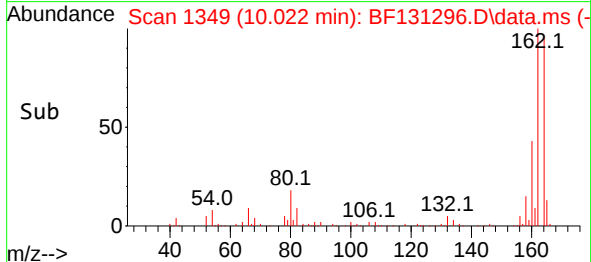
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



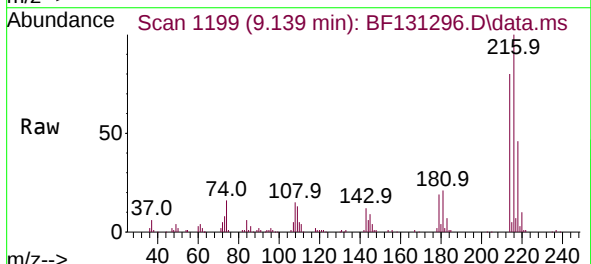
Tgt Ion:164 Resp: 153113
Ion Ratio Lower Upper
164 100
162 101.6 81.8 122.6
160 43.1 36.6 54.8

Manual Integrations
APPROVED

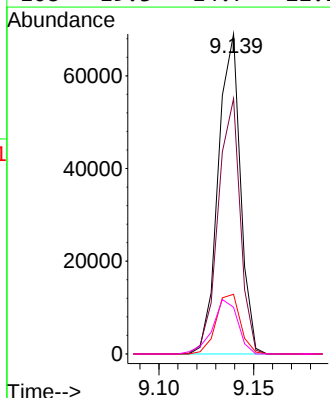
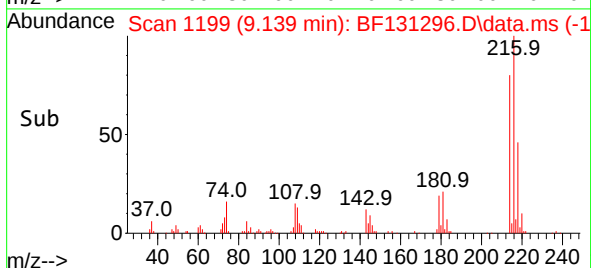
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

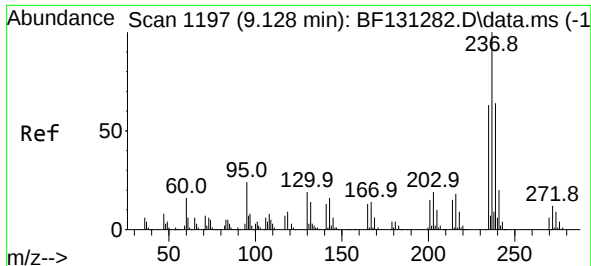


#40
1,2,4,5-Tetrachlorobenzene
Concen: 11.235 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07



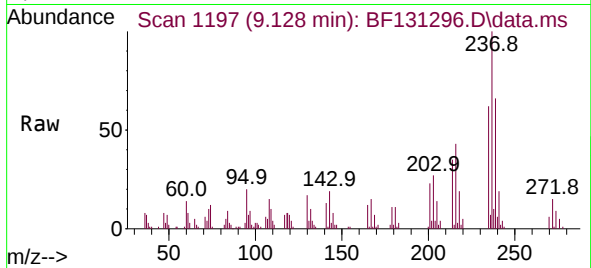
Tgt Ion:216 Resp: 56287
Ion Ratio Lower Upper
216 100
214 79.2 62.5 93.7
179 20.4 16.7 25.1
108 19.3 14.7 22.1





#41
Hexachlorocyclopentadiene
Concen: 11.552 ng
RT: 9.128 min Scan# 1197
Delta R.T. -0.000 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

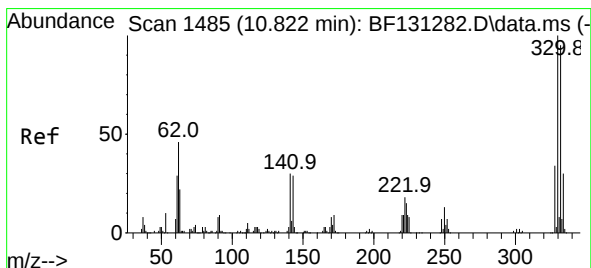
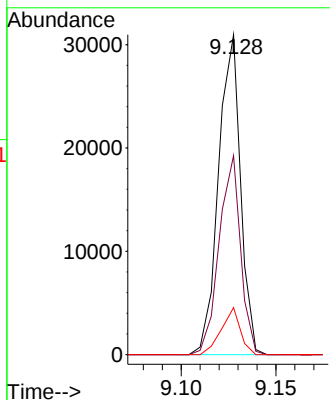
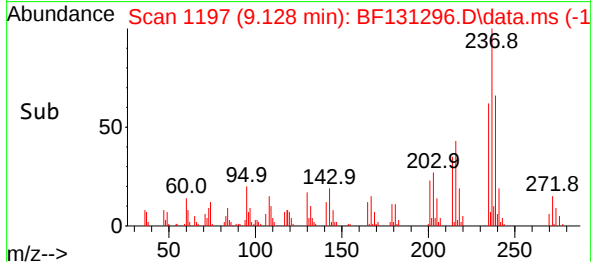
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



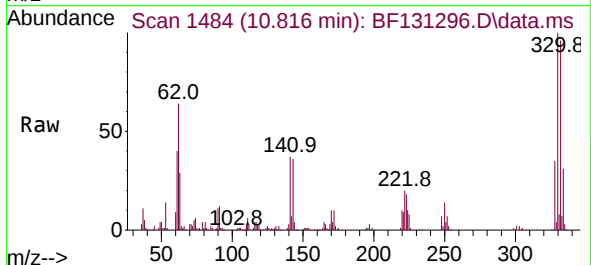
Tgt Ion:237 Resp: 25036
Ion Ratio Lower Upper
237 100
235 62.2 42.7 82.7
272 14.7 0.0 31.6

Manual Integrations
APPROVED

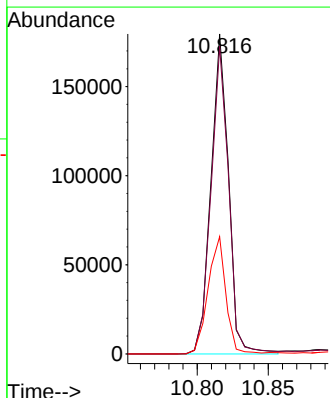
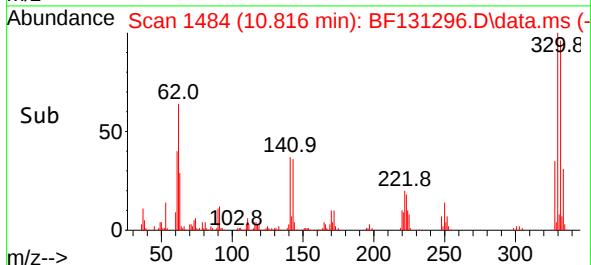
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

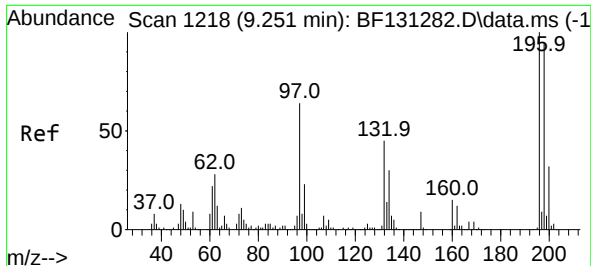


#42
2,4,6-Tribromophenol
Concen: 113.352 ng
RT: 10.816 min Scan# 1484
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07



Tgt Ion:330 Resp: 154500
Ion Ratio Lower Upper
330 100
332 97.1 75.4 113.0
141 37.7 30.0 45.0





#43

2,4,6-Trichlorophenol

Concen: 7.656 ng

RT: 9.245 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF131296.D

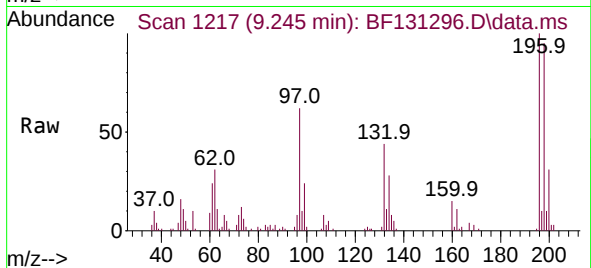
Acq: 18 Nov 2022 13:07

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022



Tgt Ion:196 Resp: 22805

Ion Ratio Lower Upper

196 100

198 94.6 74.8 112.2

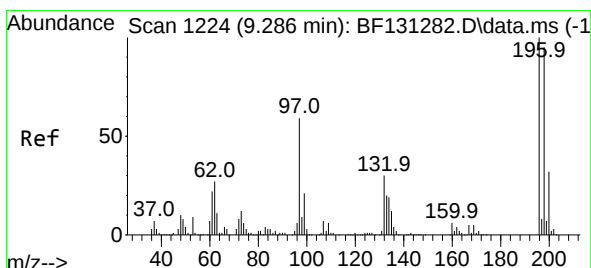
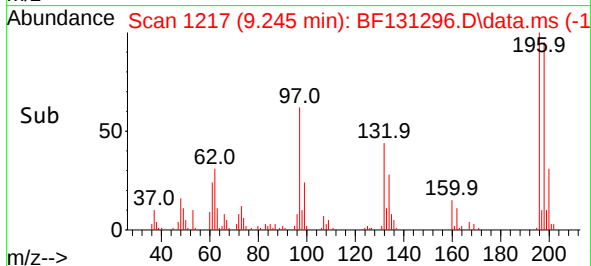
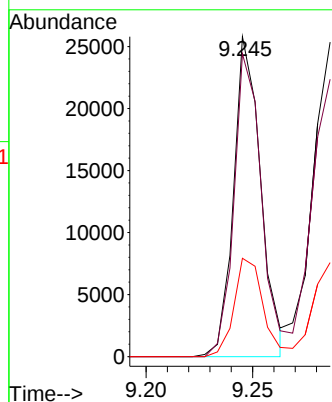
200 30.7 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#44

2,4,5-Trichlorophenol

Concen: 11.602 ng

RT: 9.286 min Scan# 1224

Delta R.T. -0.000 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

Tgt Ion:196 Resp: 37654

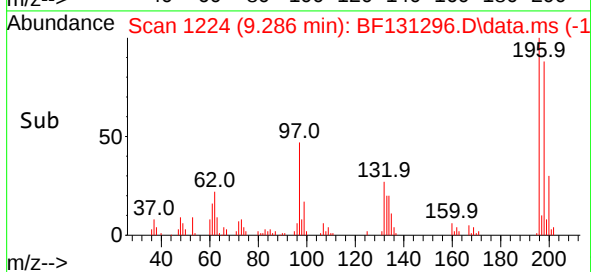
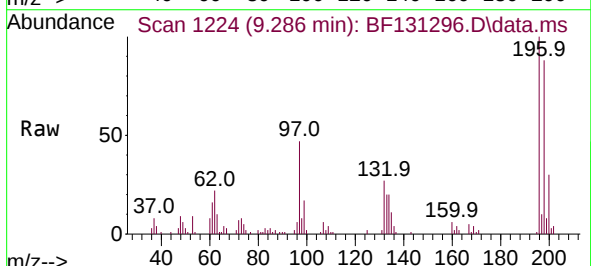
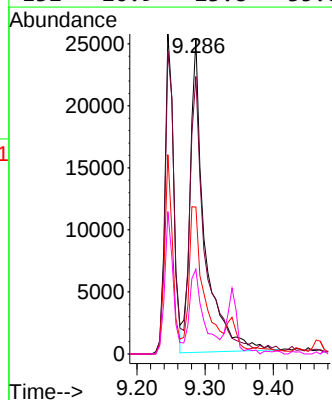
Ion Ratio Lower Upper

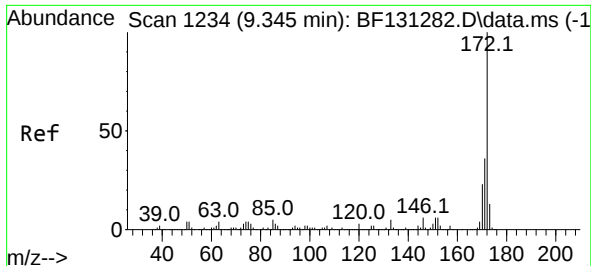
196 100

198 88.2 75.6 113.4

97 46.7 47.4 71.0#

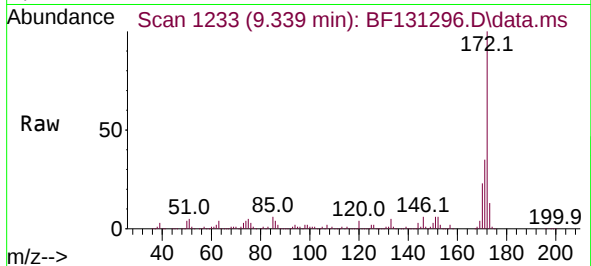
132 26.9 23.8 35.8





#45
2-Fluorobiphenyl
Concen: 79.349 ng
RT: 9.339 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

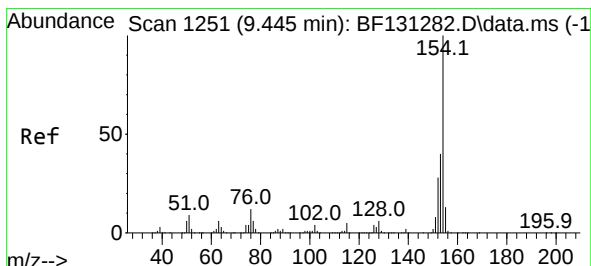
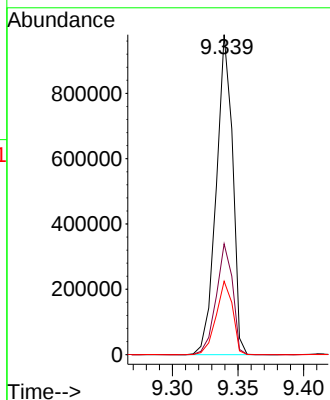
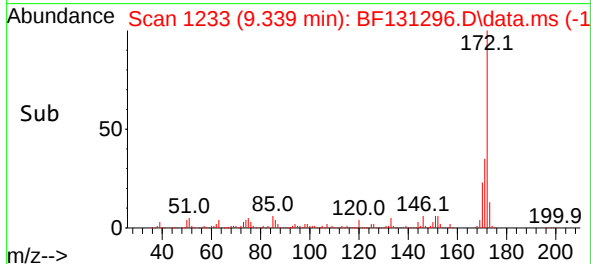
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



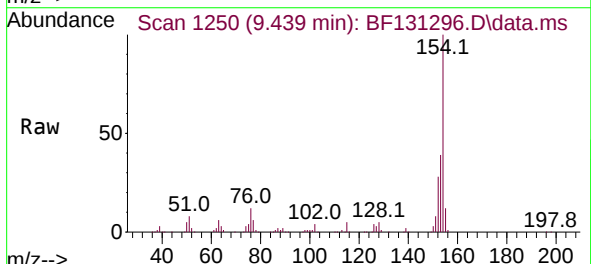
Tgt Ion:172 Resp: 850642
Ion Ratio Lower Upper
172 100
171 34.6 28.5 42.7
170 22.9 18.5 27.7

Manual Integrations
APPROVED

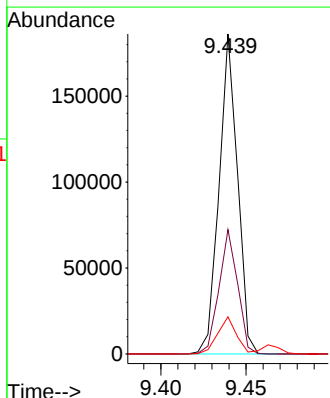
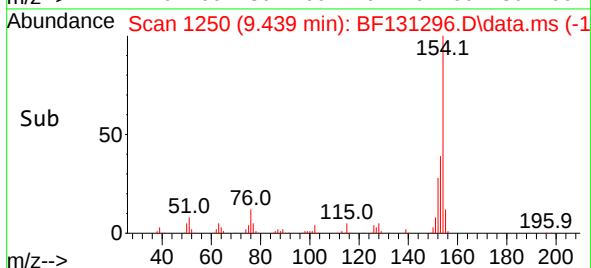
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

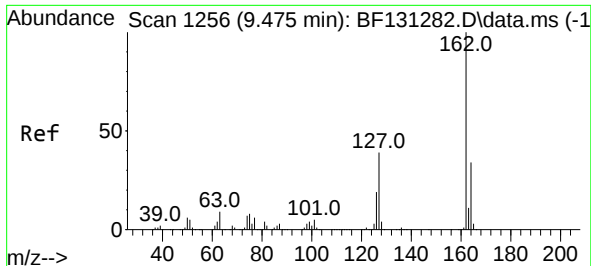


#46
1,1'-Biphenyl
Concen: 11.831 ng
RT: 9.439 min Scan# 1250
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07



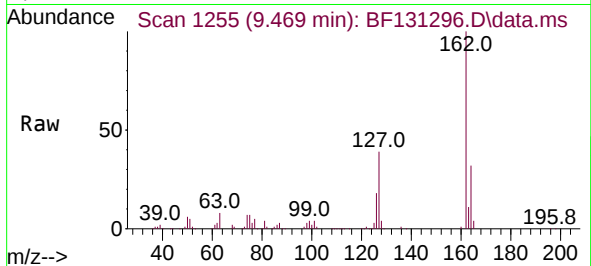
Tgt Ion:154 Resp: 139886
Ion Ratio Lower Upper
154 100
153 38.8 20.1 60.1
76 11.6 0.0 31.8





#47
2-Chloronaphthalene
Concen: 11.304 ng
RT: 9.469 min Scan# 1256
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

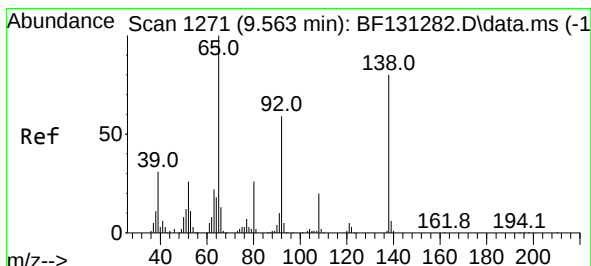
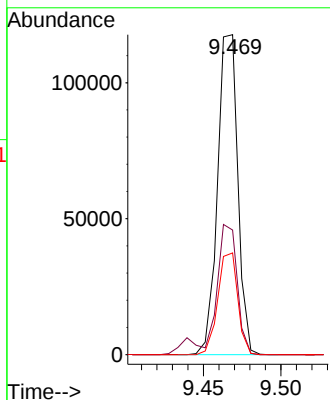
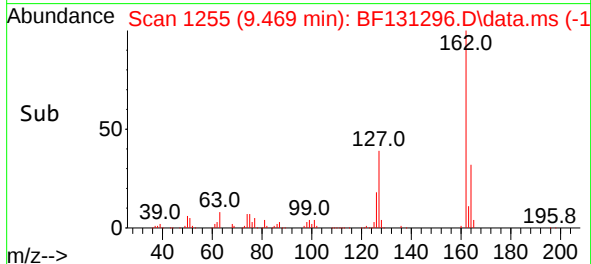
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2022



Tgt Ion:162 Resp: 107302
Ion Ratio Lower Upper
162 100
127 38.9 31.1 46.7
164 31.8 26.9 40.3

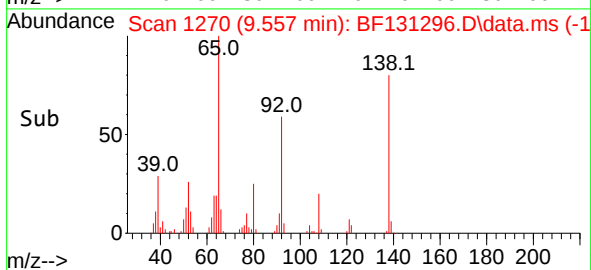
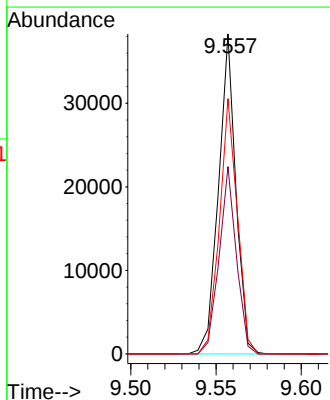
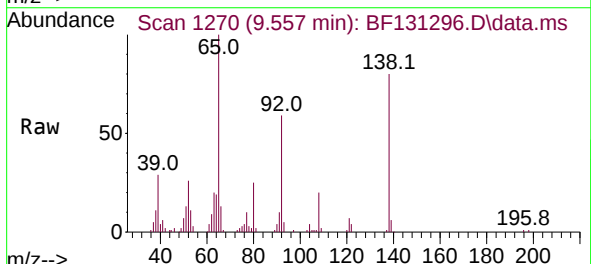
Manual Integrations
APPROVED

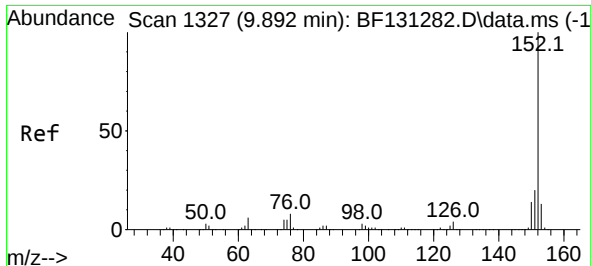
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#48
2-Nitroaniline
Concen: 10.315 ng
RT: 9.557 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

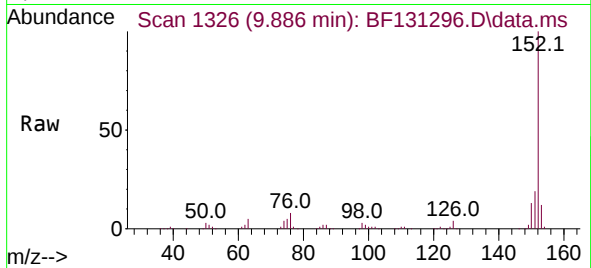
Tgt Ion: 65 Resp: 27067
Ion Ratio Lower Upper
65 100
92 58.5 47.2 70.8
138 79.8 64.2 96.4





#49
Acenaphthylene
Concen: 11.102 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

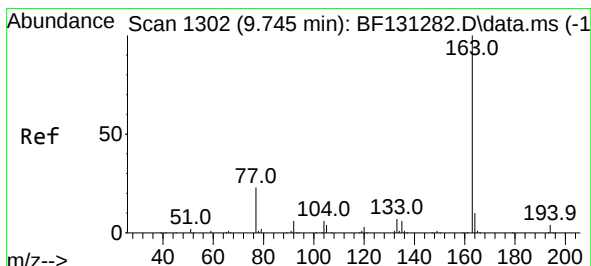
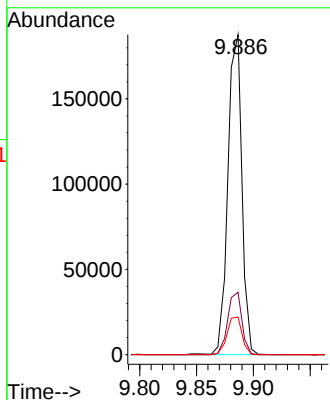
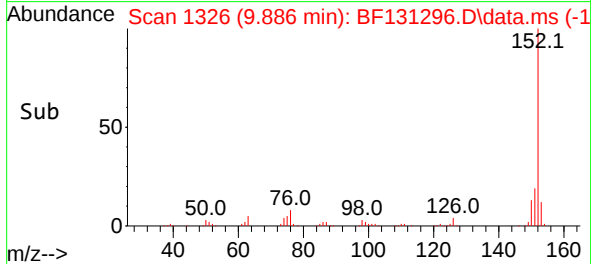
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



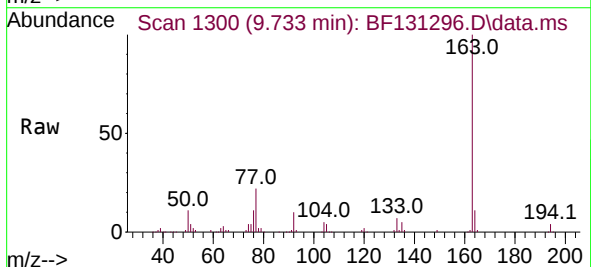
Tgt Ion:152 Resp: 160989
Ion Ratio Lower Upper
152 100
151 19.5 15.9 23.9
153 11.7 10.4 15.6

Manual Integrations
APPROVED

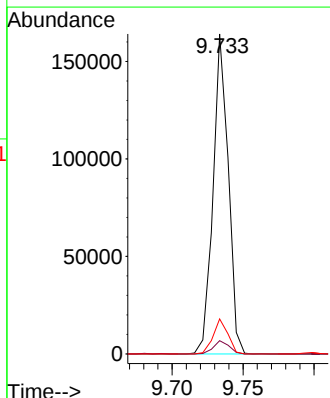
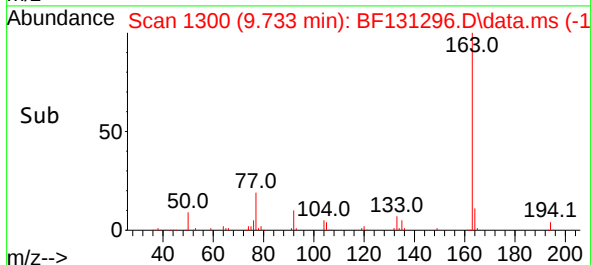
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

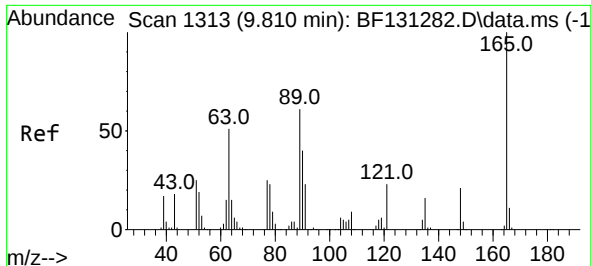


#50
Dimethylphthalate
Concen: 11.022 ng
RT: 9.733 min Scan# 1300
Delta R.T. -0.012 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07



Tgt Ion:163 Resp: 122203
Ion Ratio Lower Upper
163 100
194 4.2 3.1 4.7
164 10.9 8.4 12.6





#51

2,6-Dinitrotoluene

Concen: 10.914 ng

RT: 9.798 min Scan# 1311

Delta R.T. -0.012 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

Instrument :

BNA_F

ClientSampleId :

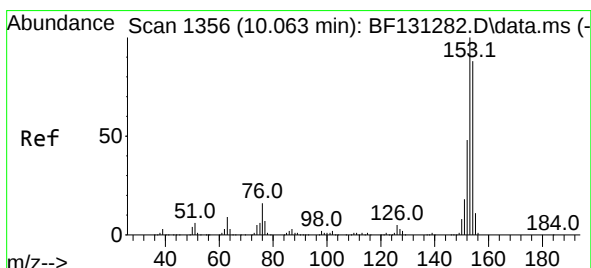
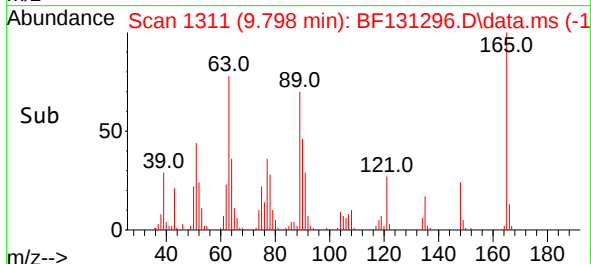
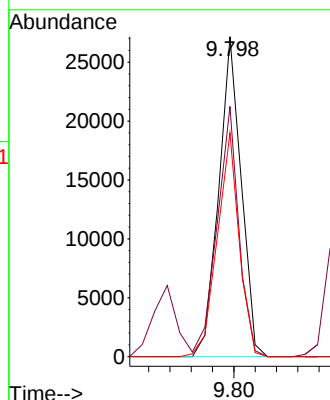
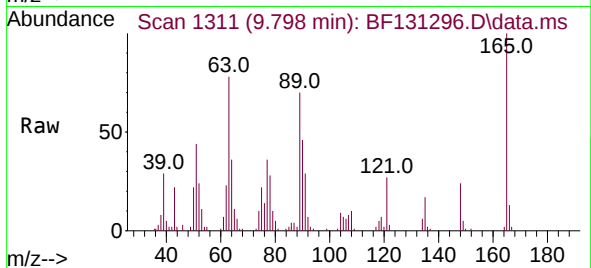
LOQ-SOIL-02-QT4-2022

Tgt Ion:165	Resp:	19876
Ion Ratio	Lower	Upper
165	100	
63	78.2	53.3 79.9
89	69.9	49.4 74.0

Manual Integrations

APPROVED

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



#52

Acenaphthene

Concen: 10.927 ng

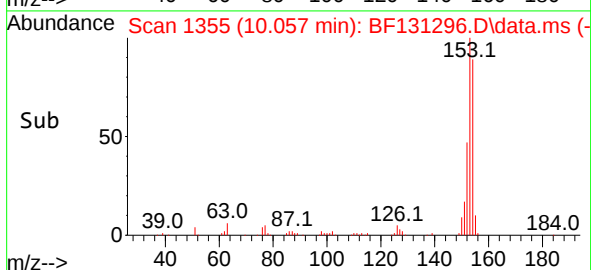
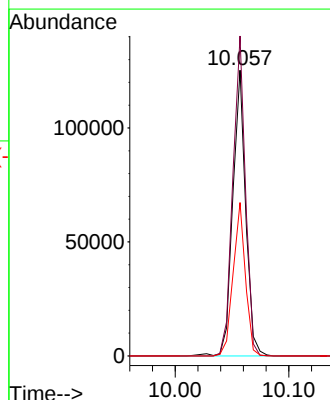
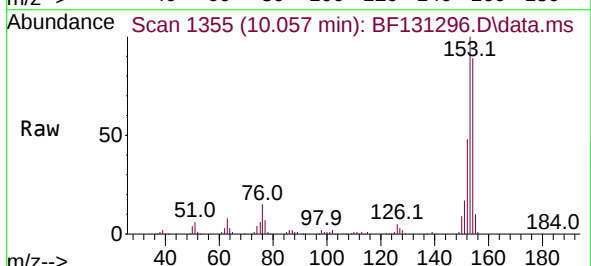
RT: 10.057 min Scan# 1355

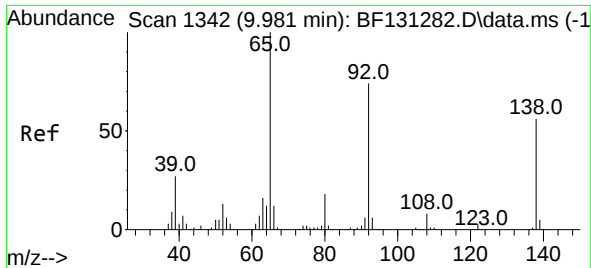
Delta R.T. -0.006 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

Tgt Ion:154	Resp:	98865
Ion Ratio	Lower	Upper
154	100	
153	112.0	90.7 136.1
152	53.7	43.1 64.7





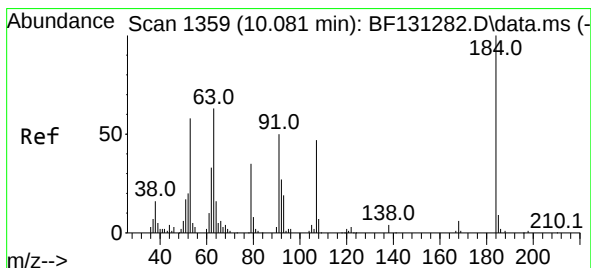
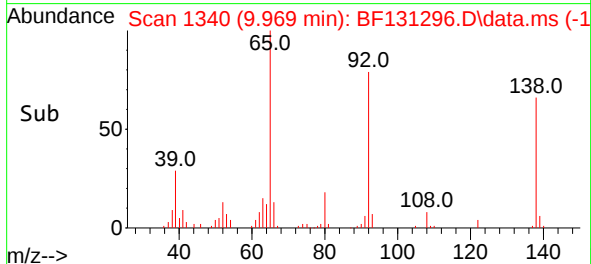
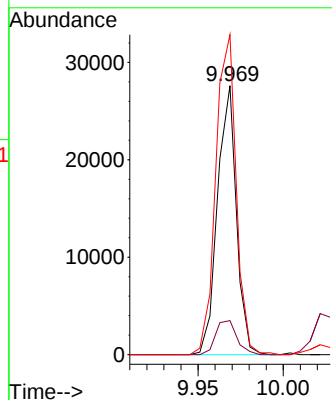
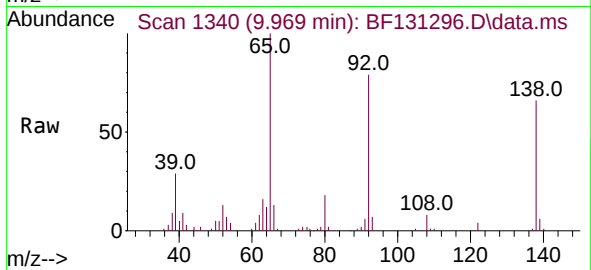
#53
3-Nitroaniline
Concen: 11.046 ng
RT: 9.969 min Scan# 1342
Delta R.T. -0.012 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

Tgt Ion:138 Resp: 21290
Ion Ratio Lower Upper
138 100
108 12.6 11.1 16.7
92 119.0 105.4 158.2

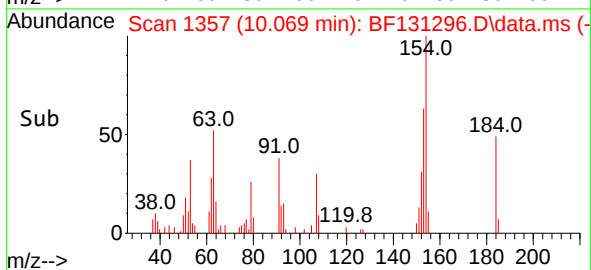
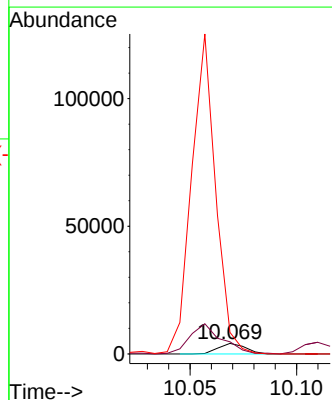
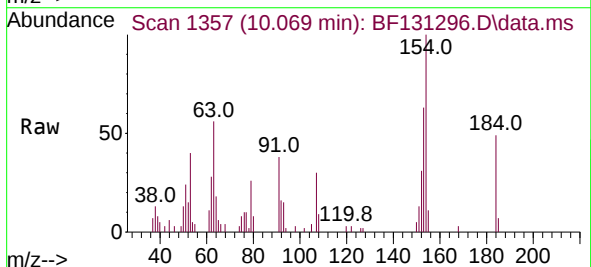
Manual Integrations
APPROVED

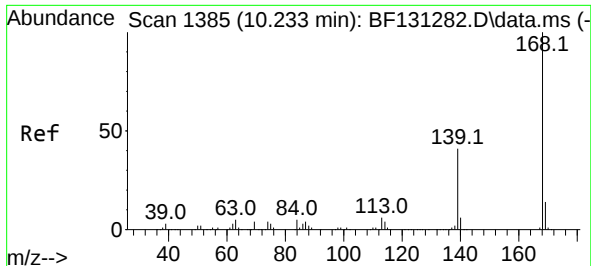
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#54
2,4-Dinitrophenol
Concen: 5.621 ng
RT: 10.069 min Scan# 1357
Delta R.T. -0.012 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

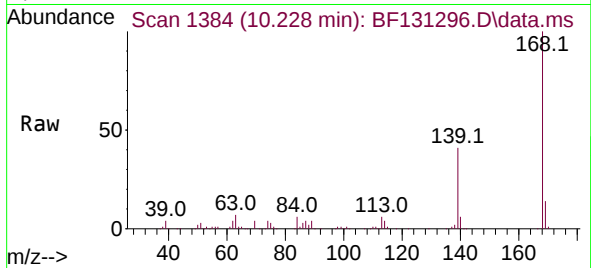
Tgt Ion:184 Resp: 3606
Ion Ratio Lower Upper
184 100
63 115.1 64.8 97.2#
154 205.0 58.0 87.0#





#55
Dibenzofuran
Concen: 11.090 ng
RT: 10.228 min Scan# 1385
Delta R.T. -0.005 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

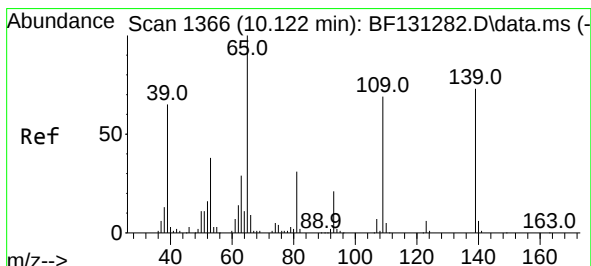
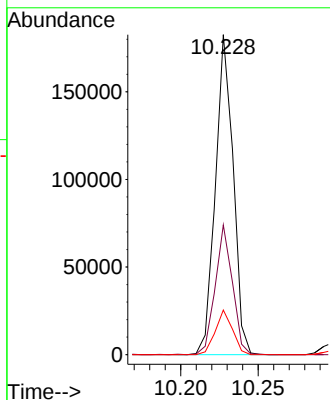
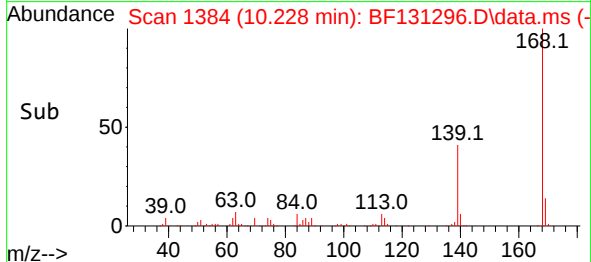
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:168 Resp: 145503
Ion Ratio Lower Upper
168 100
139 40.5 33.2 49.8
169 13.9 11.0 16.4

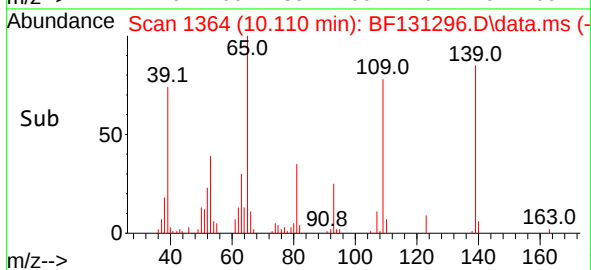
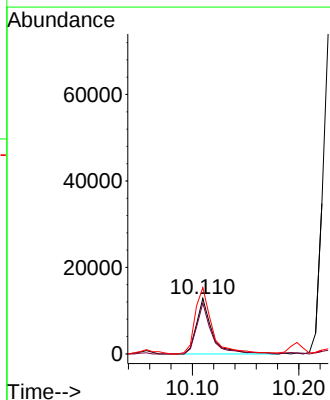
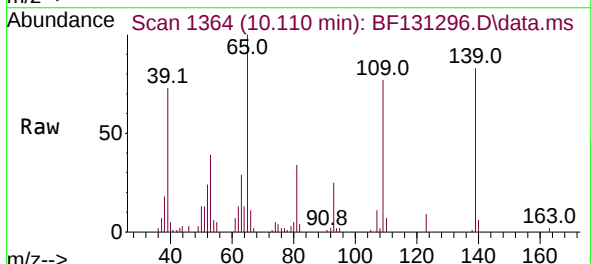
Manual Integrations
APPROVED

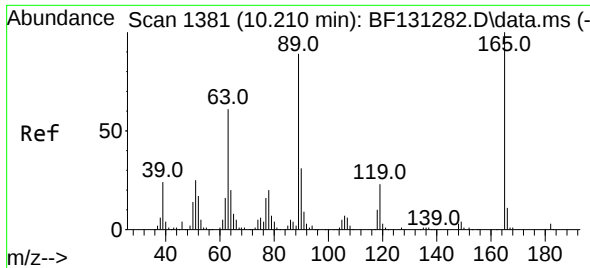
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#56
4-Nitrophenol
Concen: 8.784 ng
RT: 10.110 min Scan# 1364
Delta R.T. -0.012 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

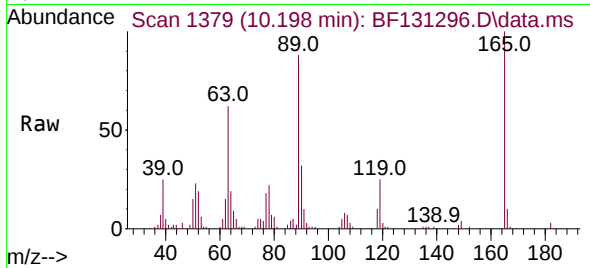
Tgt Ion:139 Resp: 12740
Ion Ratio Lower Upper
139 100
109 91.8 74.2 114.2
65 119.8 116.8 156.8





#57
2,4-Dinitrotoluene
Concen: 10.493 ng
RT: 10.198 min Scan# 1381
Delta R.T. -0.012 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

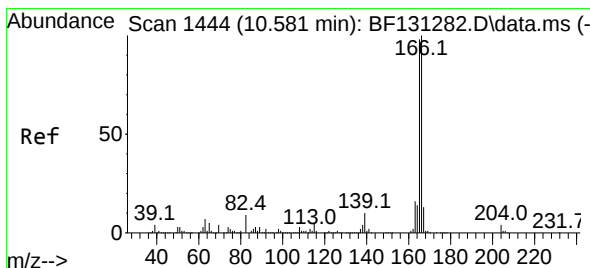
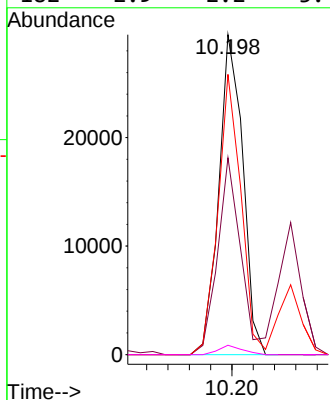
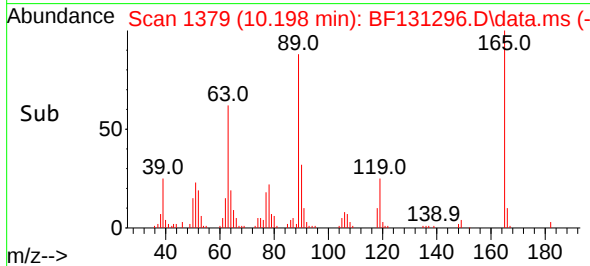
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:165 Resp: 2310
Ion Ratio Lower Upper
165 100
63 61.5 49.0 73.6
89 87.6 71.1 106.7
182 2.9 2.2 3.4

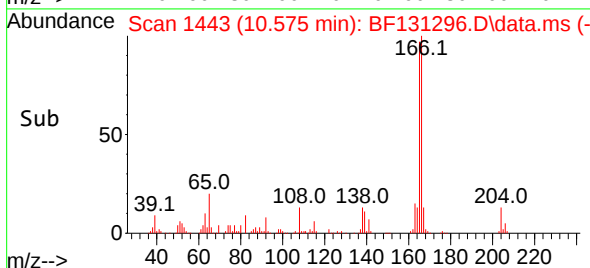
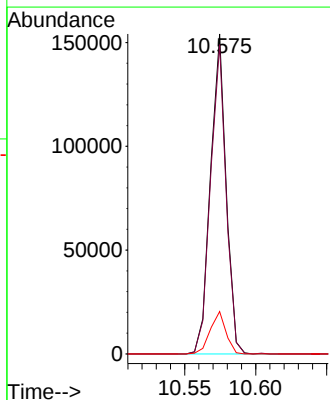
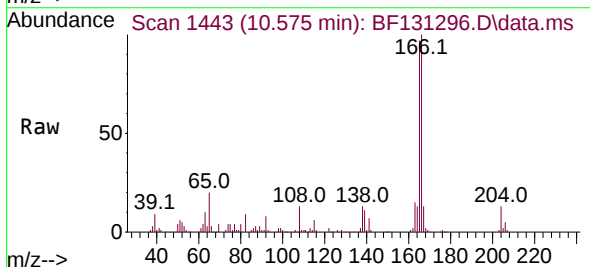
Manual Integrations
APPROVED

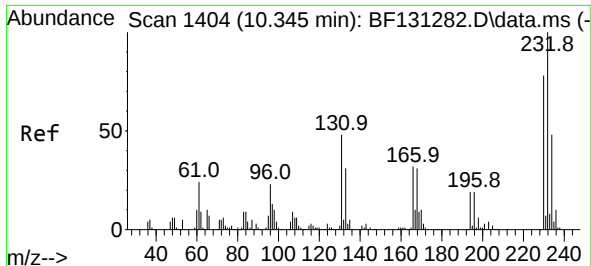
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#58
Fluorene
Concen: 11.305 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

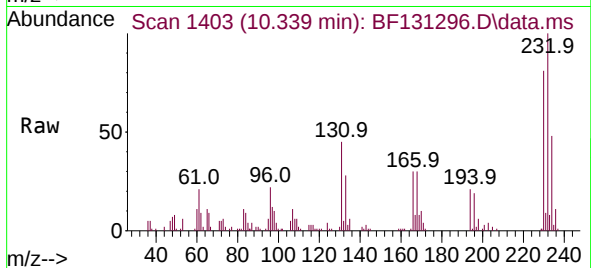
Tgt Ion:166 Resp: 117786
Ion Ratio Lower Upper
166 100
165 96.6 78.2 117.2
167 13.2 10.6 15.8





#59
2,3,4,6-Tetrachlorophenol
Concen: 9.361 ng
RT: 10.339 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

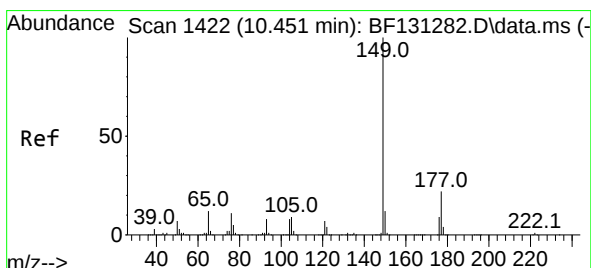
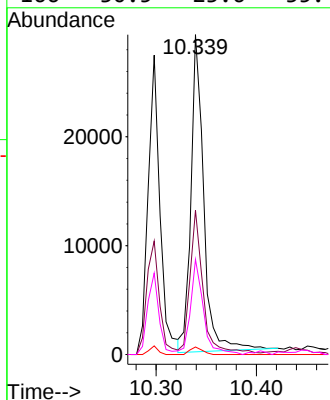
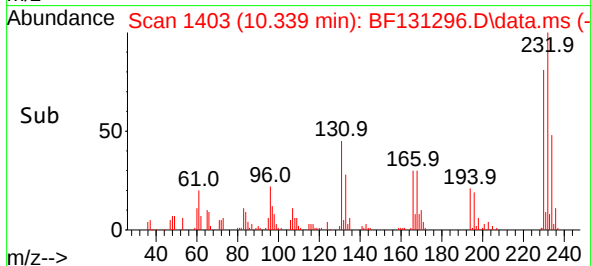
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:232 Resp: 25732
Ion Ratio Lower Upper
232 100
131 47.7 36.0 54.0
130 2.3 1.8 2.6
166 30.5 23.6 35.4

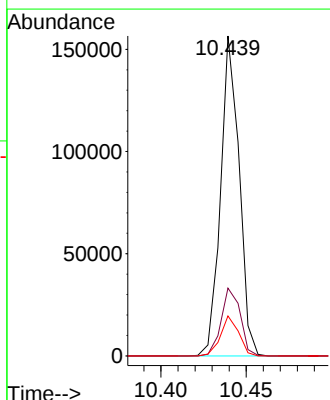
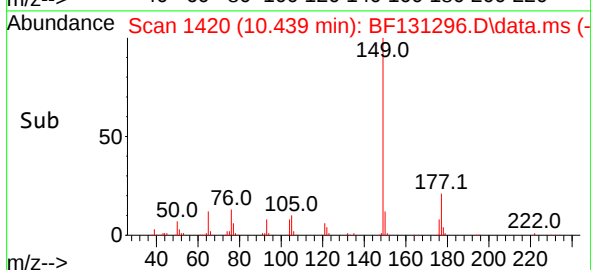
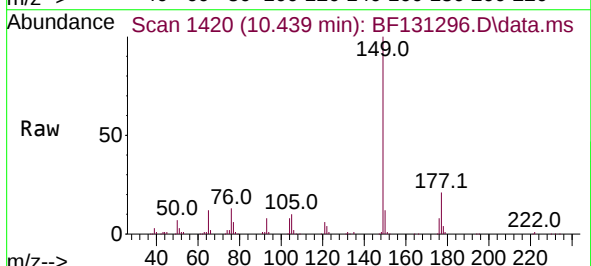
Manual Integrations
APPROVED

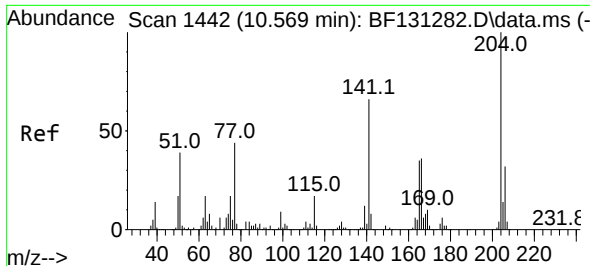
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#60
Diethylphthalate
Concen: 11.186 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.012 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

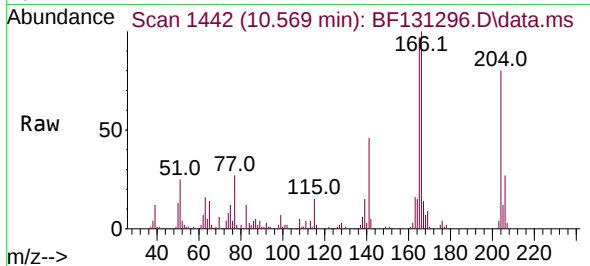
Tgt Ion:149 Resp: 118322
Ion Ratio Lower Upper
149 100
177 21.2 17.9 26.9
150 12.5 9.8 14.6





#61
4-Chlorophenyl-phenylether
Concen: 11.529 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.000 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

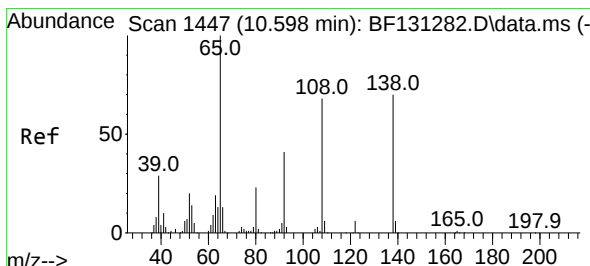
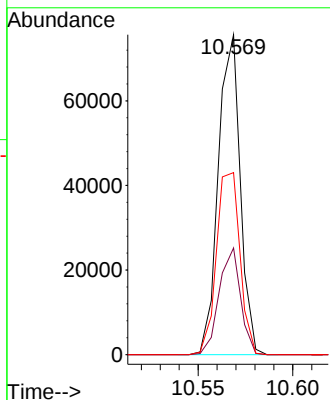
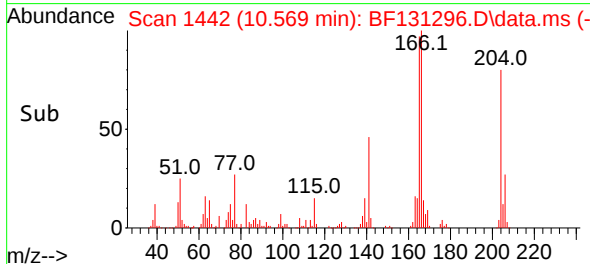
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:204 Resp: 60896
Ion Ratio Lower Upper
204 100
206 33.3 25.7 38.5
141 56.9 53.1 79.7

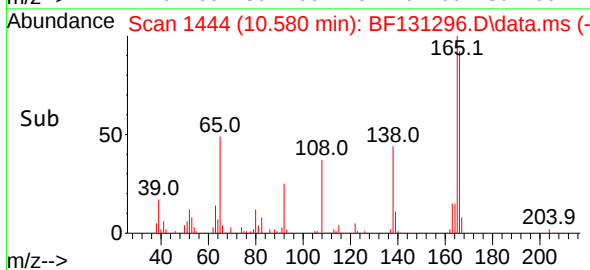
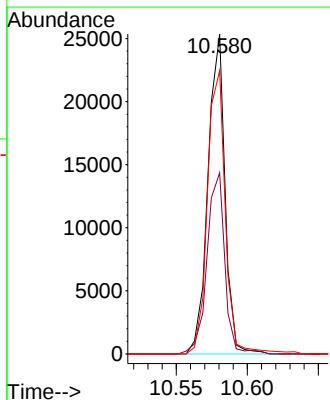
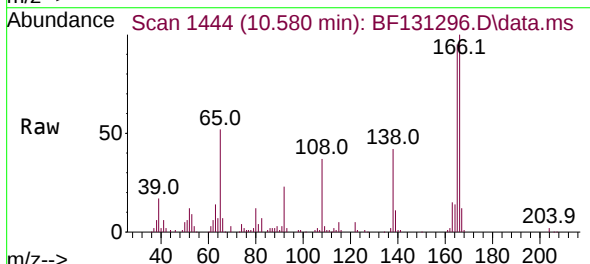
Manual Integrations
APPROVED

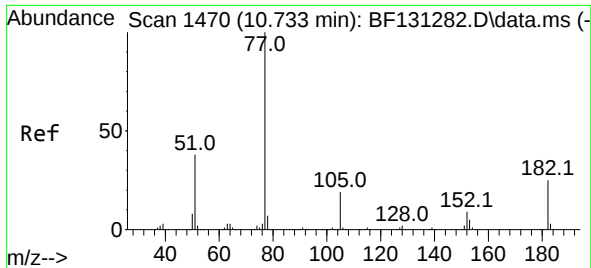
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#62
4-Nitroaniline
Concen: 10.781 ng
RT: 10.580 min Scan# 1444
Delta R.T. -0.018 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

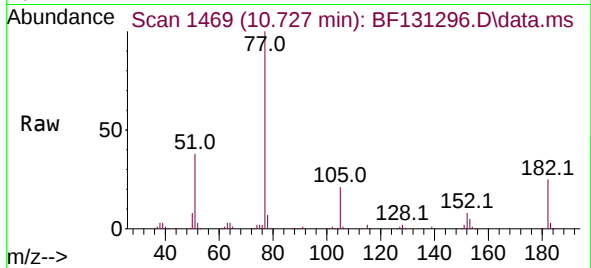
Tgt Ion:138 Resp: 21111
Ion Ratio Lower Upper
138 100
92 56.6 37.5 77.5
108 88.5 76.3 116.3





#63
Azobenzene
Concen: 10.961 ng
RT: 10.727 min Scan# 1470
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

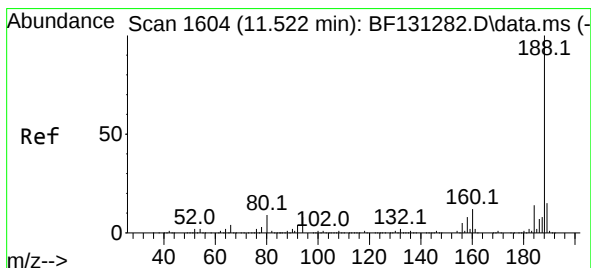
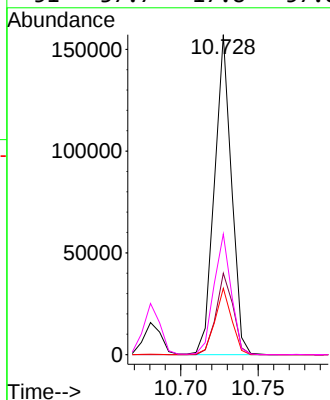
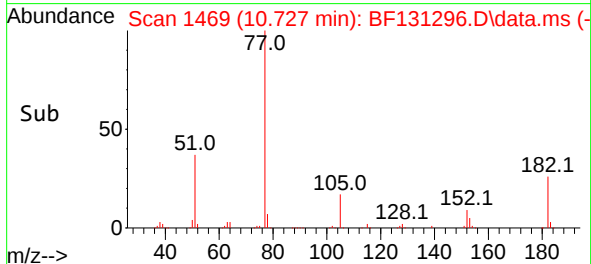
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



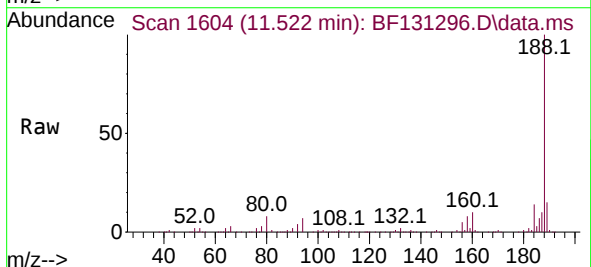
Tgt Ion: 77 Resp: 120412
Ion Ratio Lower Upper
77 100
182 25.4 5.0 45.0
105 20.7 0.0 39.5
51 37.7 17.8 57.8

Manual Integrations
APPROVED

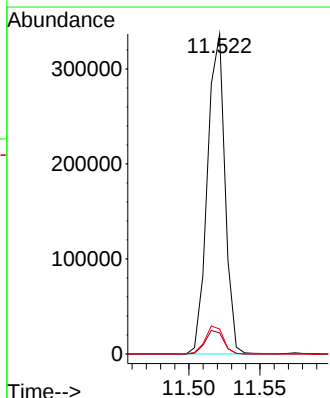
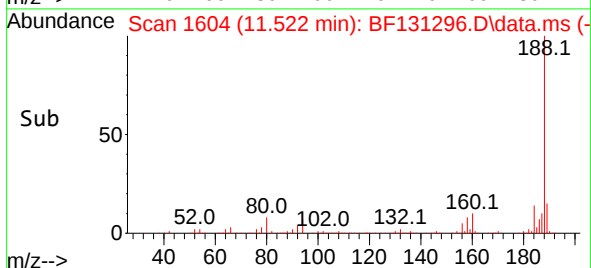
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

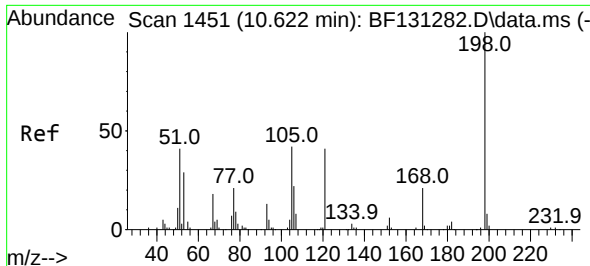


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.522 min Scan# 1604
Delta R.T. -0.000 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07



Tgt Ion:188 Resp: 288789
Ion Ratio Lower Upper
188 100
94 6.5 6.5 9.7
80 7.8 7.2 10.8





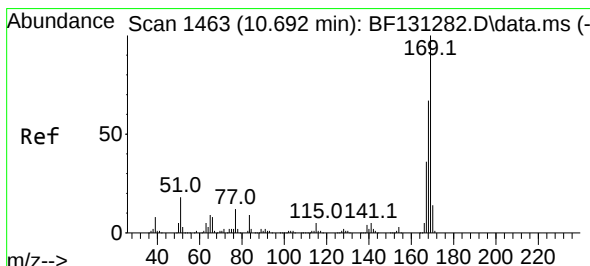
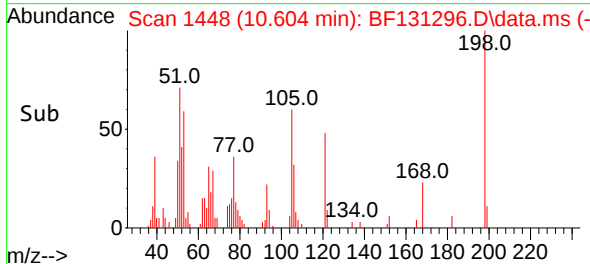
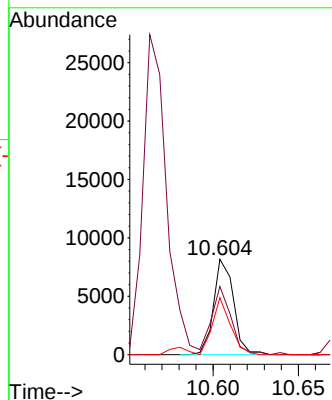
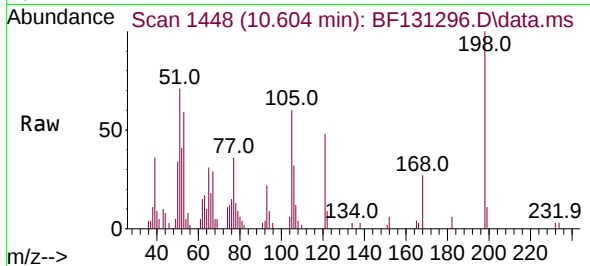
#65
4,6-Dinitro-2-methylphenol
Concen: 6.611 ng
RT: 10.604 min Scan# 1451
Delta R.T. -0.018 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022

Tgt Ion:198 Resp: 6619
Ion Ratio Lower Upper
198 100
51 71.4 35.7 75.7
105 59.8 23.3 63.3

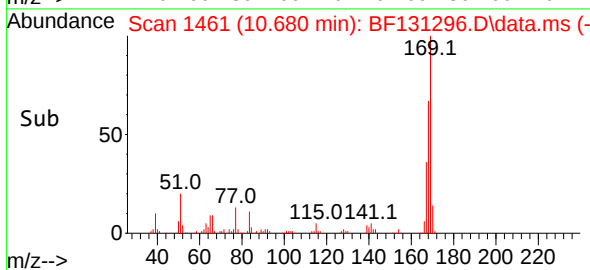
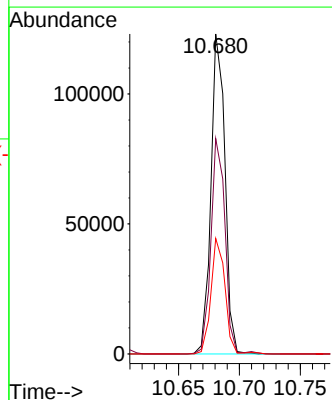
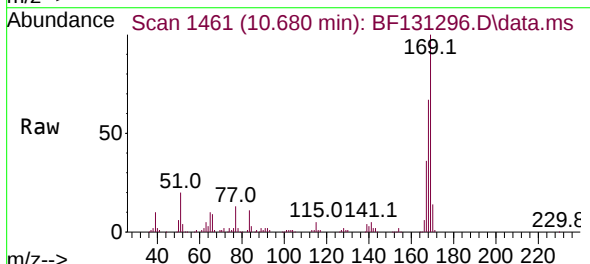
Manual Integrations
APPROVED

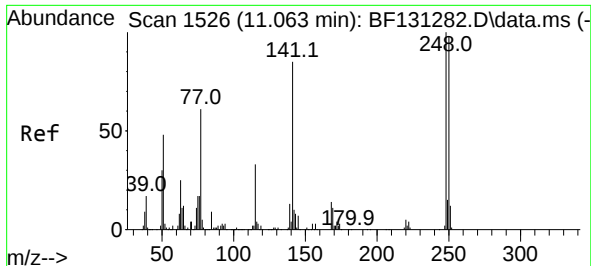
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#66
n-Nitrosodiphenylamine
Concen: 10.596 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

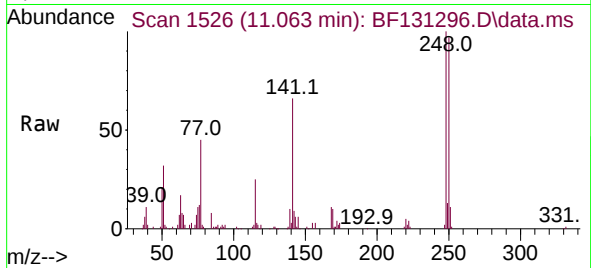
Tgt Ion:169 Resp: 98611
Ion Ratio Lower Upper
169 100
168 67.3 53.8 80.6
167 36.1 28.9 43.3





#67
4-Bromophenyl-phenylether
Concen: 10.789 ng
RT: 11.063 min Scan# 1526
Delta R.T. -0.000 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

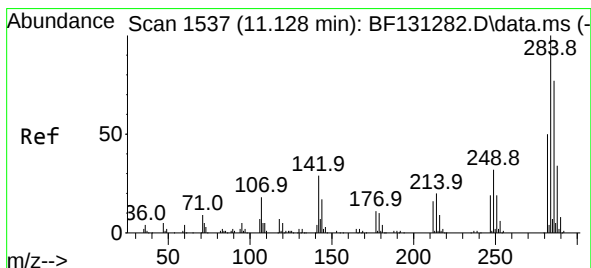
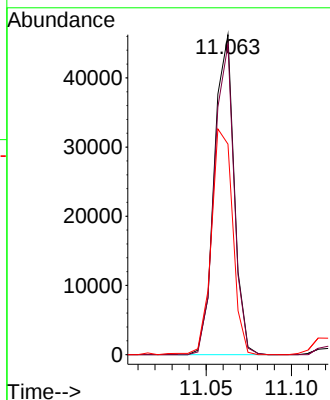
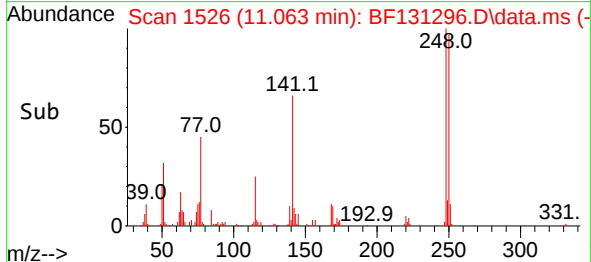
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



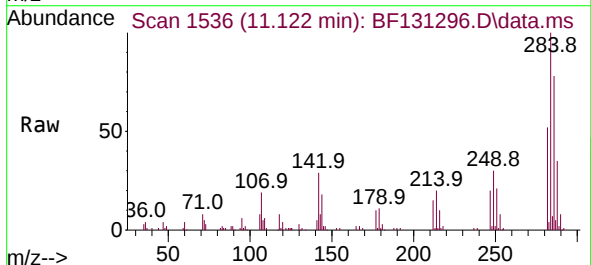
Tgt Ion:248 Resp: 3738
Ion Ratio Lower Upper
248 100
250 96.9 78.3 117.5
141 65.8 67.6 101.4

Manual Integrations
APPROVED

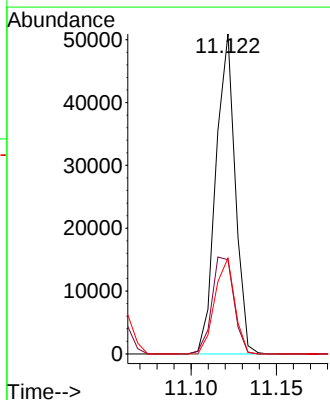
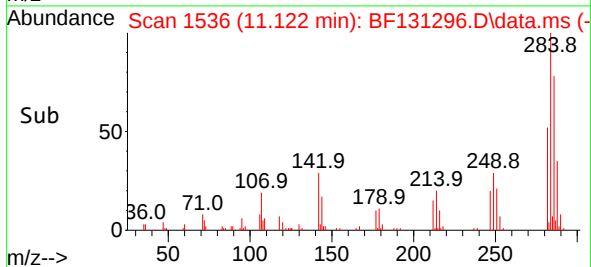
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

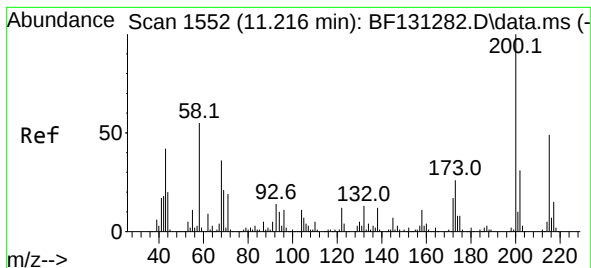


#68
Hexachlorobenzene
Concen: 10.691 ng
RT: 11.122 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07



Tgt Ion:284 Resp: 40196
Ion Ratio Lower Upper
284 100
142 29.4 23.4 35.2
249 29.9 25.7 38.5





#69

Atrazine

Concen: 12.012 ng

RT: 11.204 min Scan# 1550

Delta R.T. -0.012 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

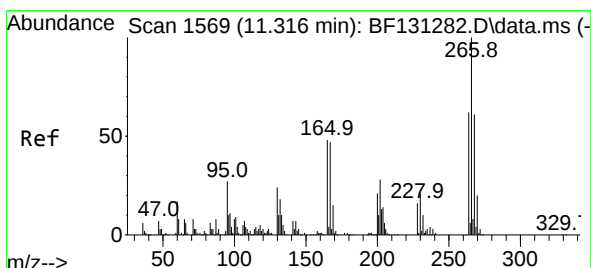
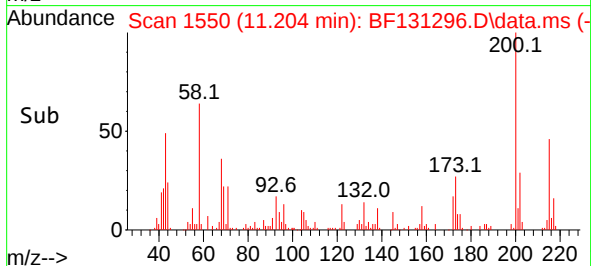
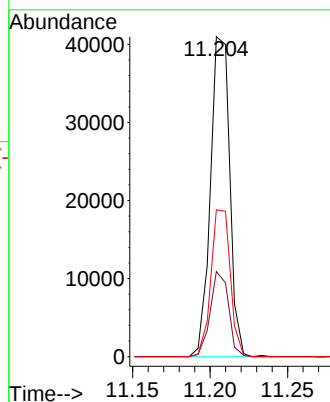
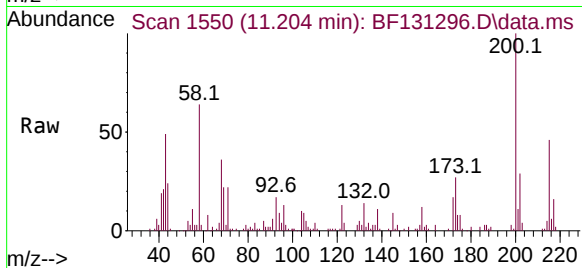
Tgt Ion:200	Resp:	35662
Ion Ratio	Lower	Upper
200	100	
173	26.6	6.0 46.0
215	45.9	29.0 69.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#70

Pentachlorophenol

Concen: 7.828 ng m

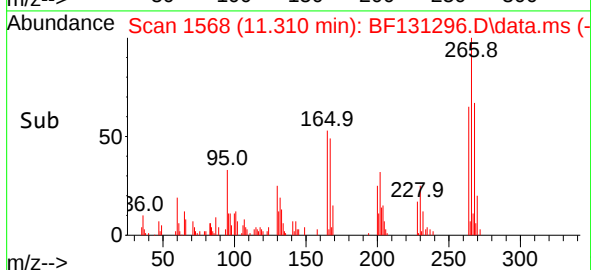
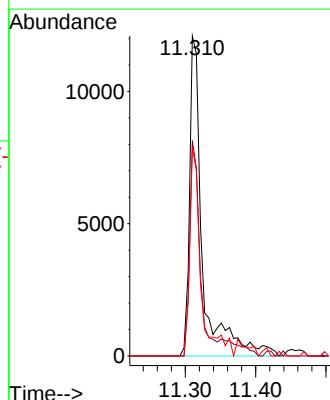
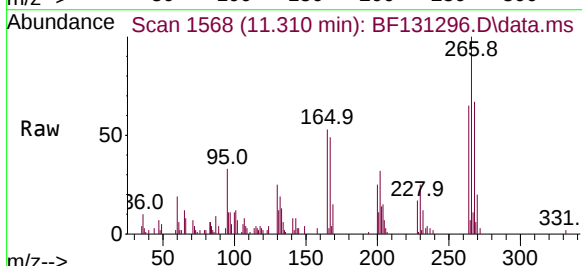
RT: 11.310 min Scan# 1568

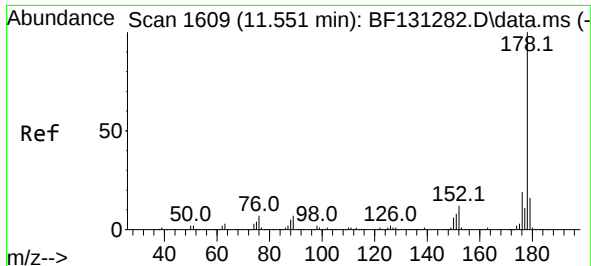
Delta R.T. -0.006 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

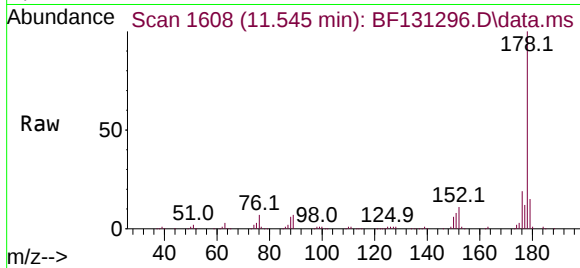
Tgt Ion:266	Resp:	15724
Ion Ratio	Lower	Upper
266	100	
268	67.3	49.0 73.4
264	64.9	49.7 74.5





#71
Phenanthrene
Concen: 10.654 ng
RT: 11.545 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

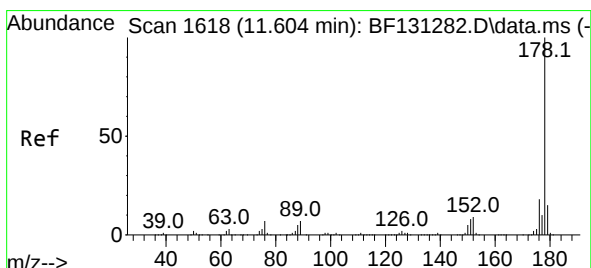
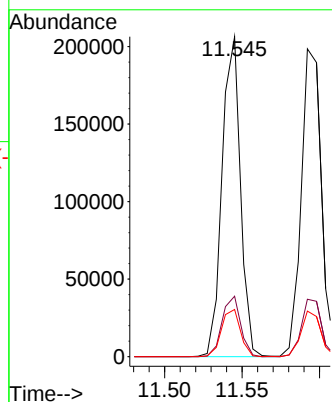
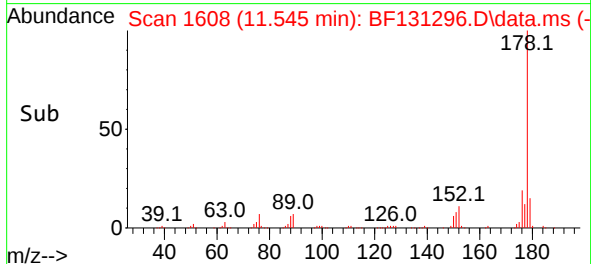
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



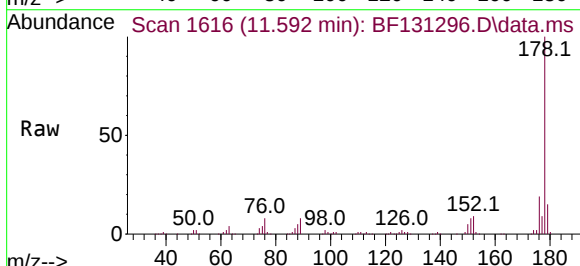
Tgt Ion:178 Resp: 170127
Ion Ratio Lower Upper
178 100
176 18.9 15.5 23.3
179 14.7 12.4 18.6

Manual Integrations
APPROVED

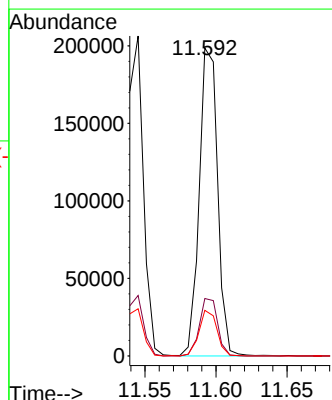
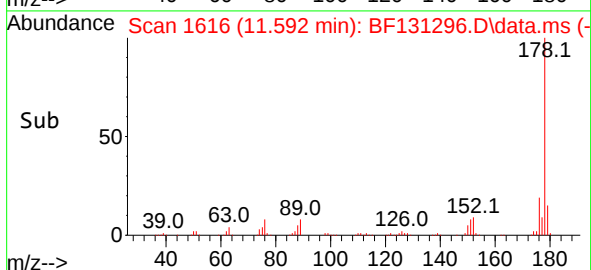
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

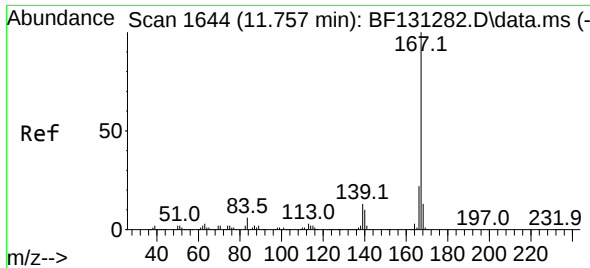


#72
Anthracene
Concen: 11.423 ng
RT: 11.592 min Scan# 1616
Delta R.T. -0.012 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07



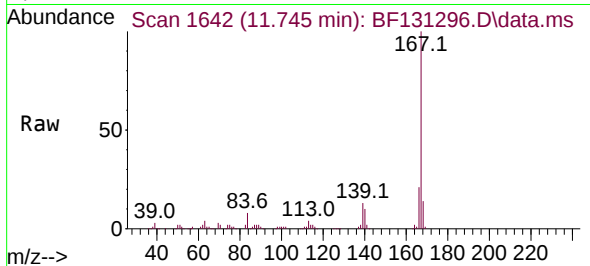
Tgt Ion:178 Resp: 178379
Ion Ratio Lower Upper
178 100
176 18.6 14.6 22.0
179 14.8 12.0 18.0





#73
 Carbazole
 Concen: 11.046 ng
 RT: 11.745 min Scan# 1642
 Delta R.T. -0.012 min
 Lab File: BF131296.D
 Acq: 18 Nov 2022 13:07

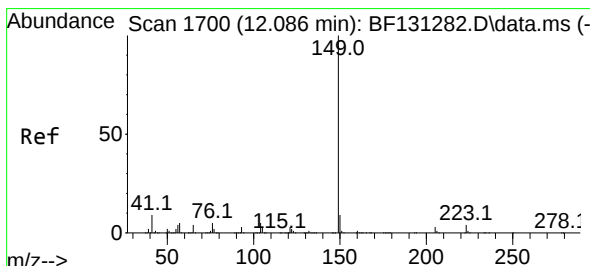
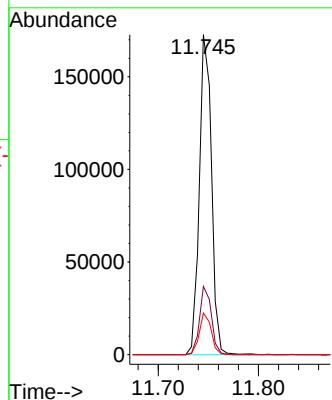
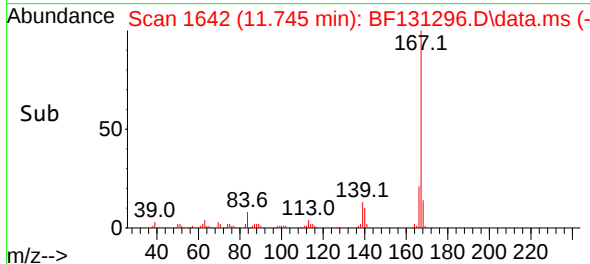
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022



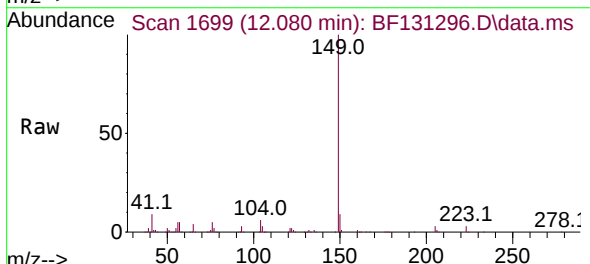
Tgt Ion:167 Resp: 145006
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.4 26.2
 139 13.0 10.2 15.4

Manual Integrations
 APPROVED

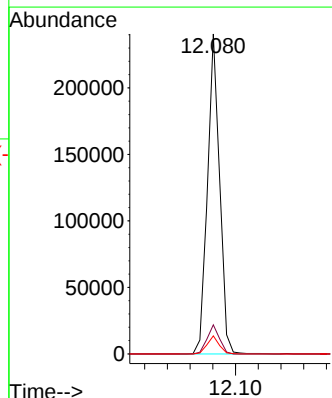
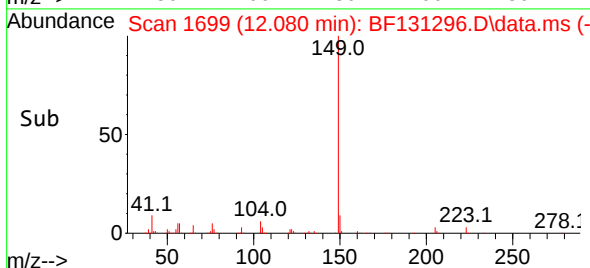
Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022

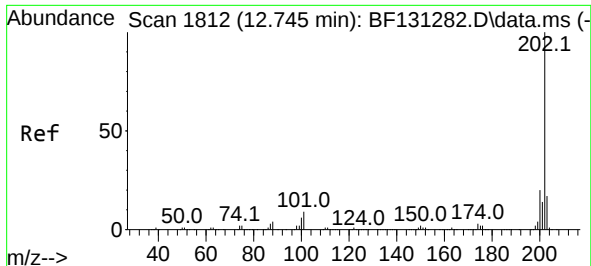


#74
 Di-n-butylphthalate
 Concen: 11.269 ng
 RT: 12.080 min Scan# 1699
 Delta R.T. -0.006 min
 Lab File: BF131296.D
 Acq: 18 Nov 2022 13:07



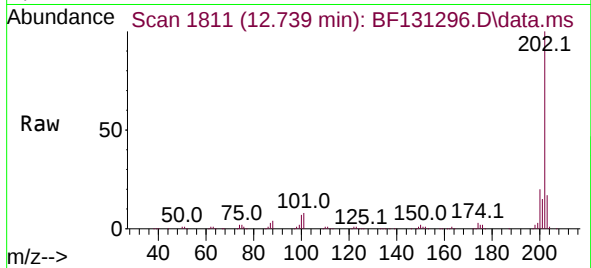
Tgt Ion:149 Resp: 178629
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.1 10.7
 104 5.6 4.3 6.5





#75
Fluoranthene
Concen: 10.873 ng
RT: 12.739 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

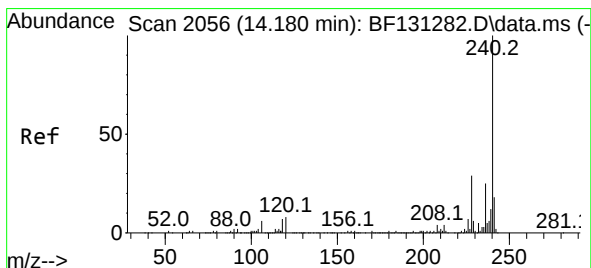
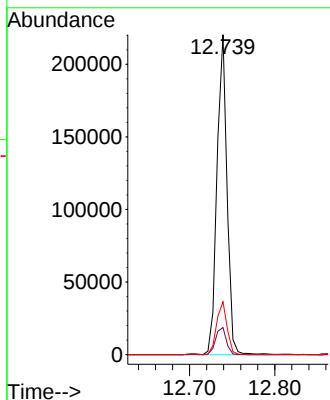
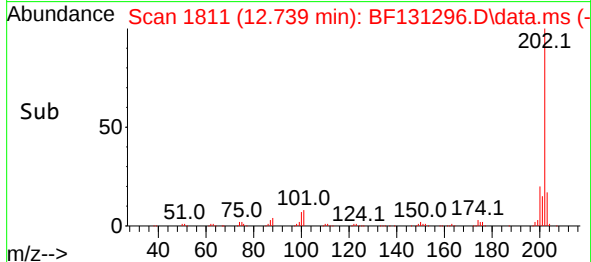
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



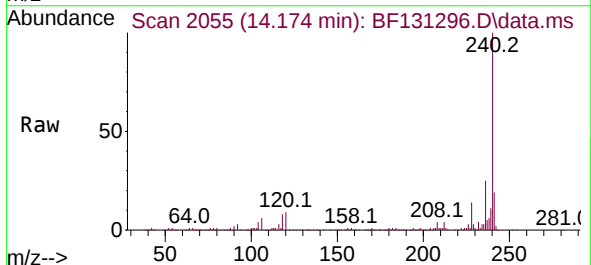
Tgt Ion:202 Resp: 180175
Ion Ratio Lower Upper
202 100
101 8.5 0.0 28.5
203 16.5 0.0 37.3

Manual Integrations
APPROVED

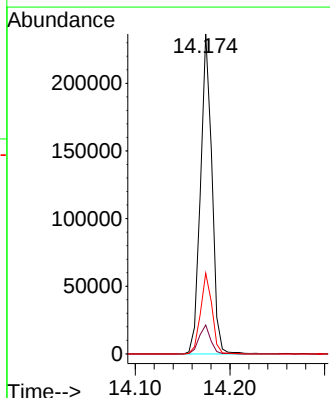
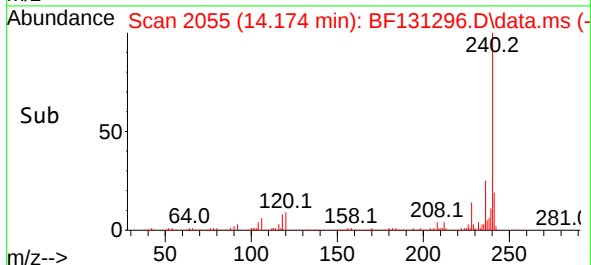
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

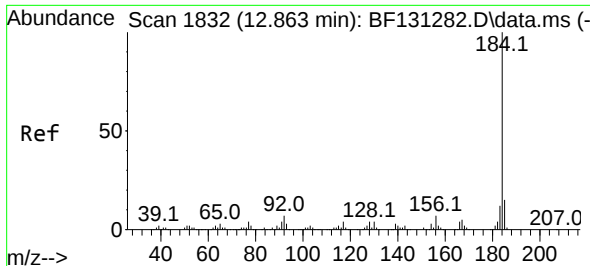


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.174 min Scan# 2055
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07



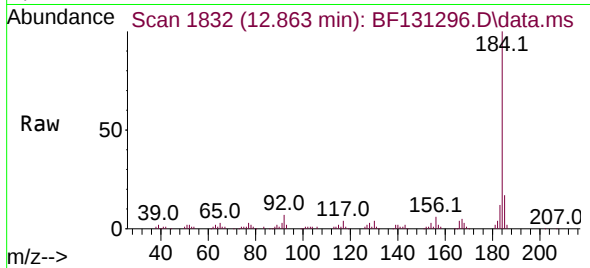
Tgt Ion:240 Resp: 197992
Ion Ratio Lower Upper
240 100
120 9.0 6.2 9.2
236 25.2 19.8 29.6





#77
Benzidine
Concen: 17.572 ng
RT: 12.863 min Scan# 1832
Delta R.T. -0.000 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

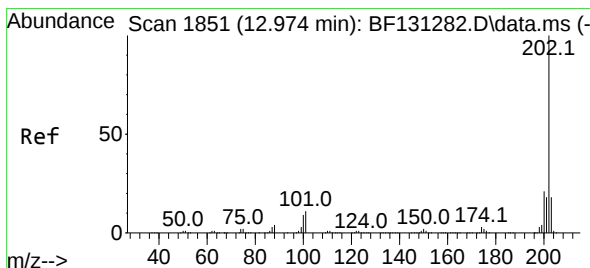
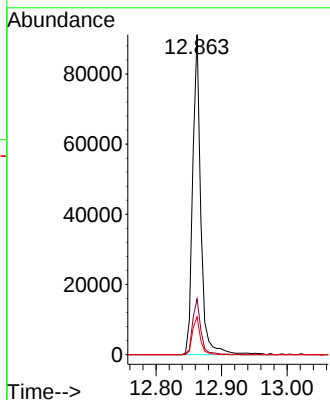
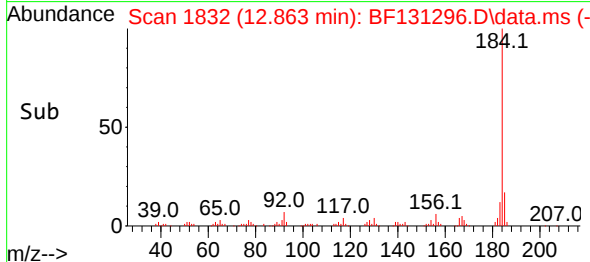
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:184 Resp: 78693
Ion Ratio Lower Upper
184 100
185 17.4 12.3 18.5
183 11.9 9.3 13.9

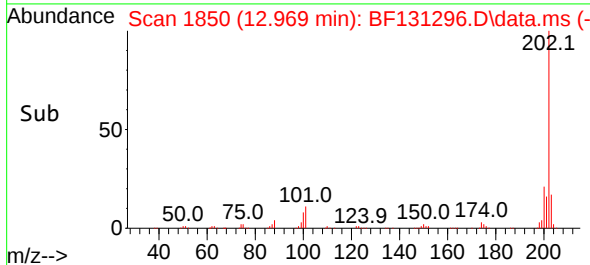
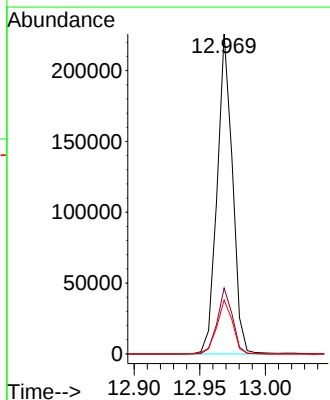
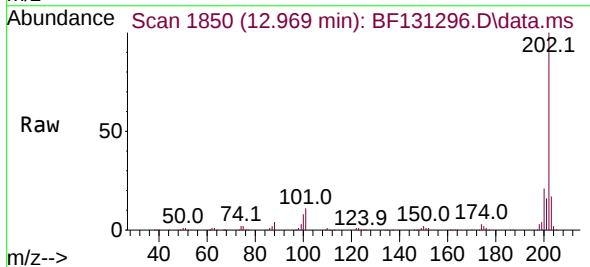
Manual Integrations
APPROVED

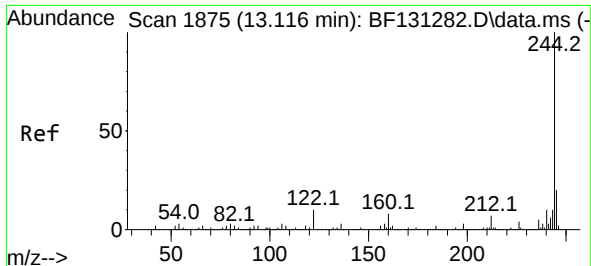
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#78
Pyrene
Concen: 9.654 ng
RT: 12.969 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

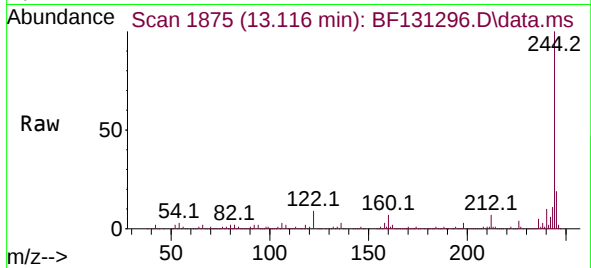
Tgt Ion:202 Resp: 183908
Ion Ratio Lower Upper
202 100
200 20.6 17.2 25.8
203 16.8 14.3 21.5





#79
 Terphenyl-d14
 Concen: 75.075 ng
 RT: 13.116 min Scan# 1875
 Delta R.T. -0.000 min
 Lab File: BF131296.D
 Acq: 18 Nov 2022 13:07

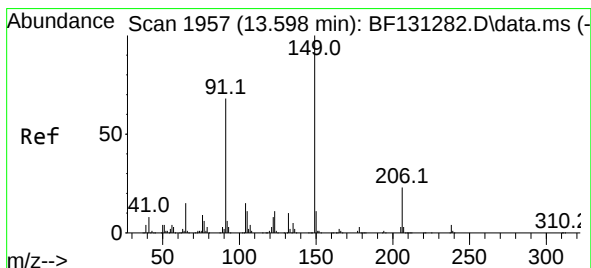
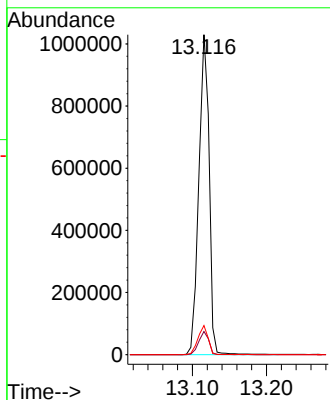
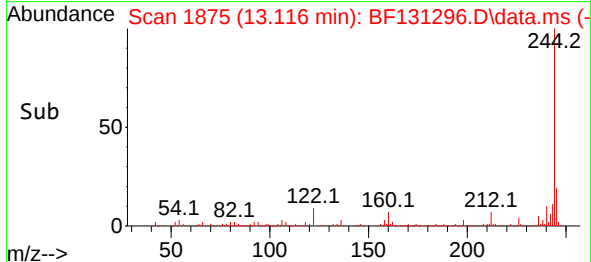
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022



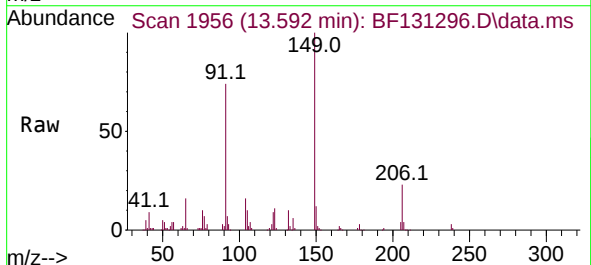
Tgt Ion:244 Resp: 994419
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 9.1 7.8 11.8

Manual Integrations
 APPROVED

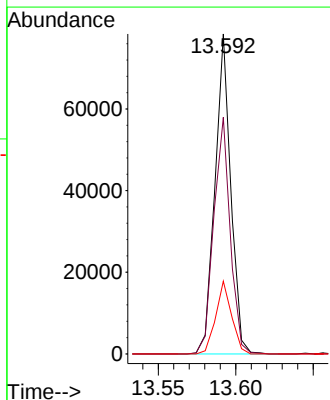
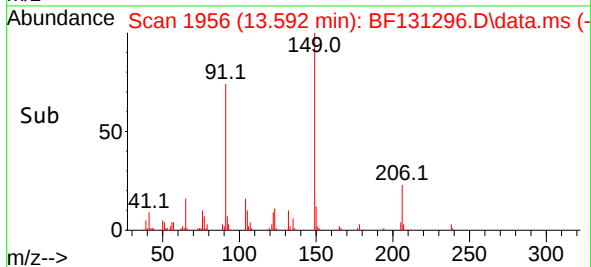
Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022

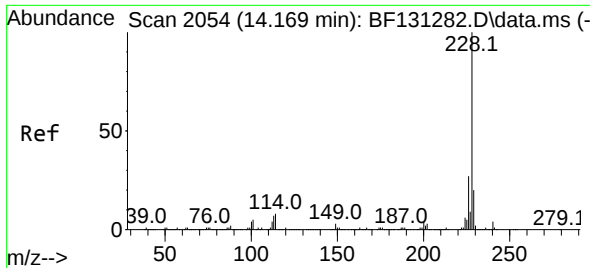


#80
 Butylbenzylphthalate
 Concen: 9.711 ng
 RT: 13.592 min Scan# 1956
 Delta R.T. -0.006 min
 Lab File: BF131296.D
 Acq: 18 Nov 2022 13:07



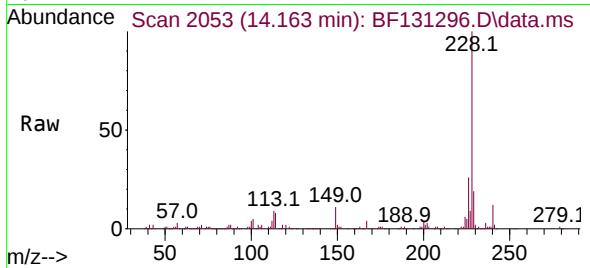
Tgt Ion:149 Resp: 55960
 Ion Ratio Lower Upper
 149 100
 91 73.9 54.6 82.0
 206 22.8 18.1 27.1





#81
Benzo(a)anthracene
Concen: 10.396 ng
RT: 14.163 min Scan# 2053
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

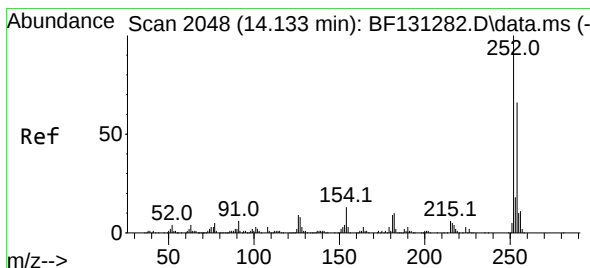
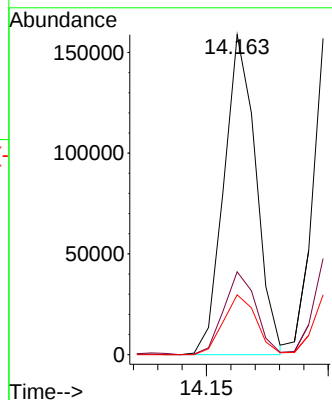
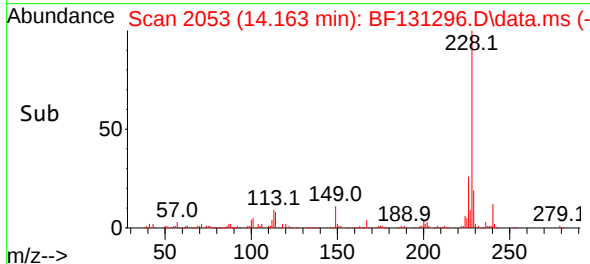
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2022



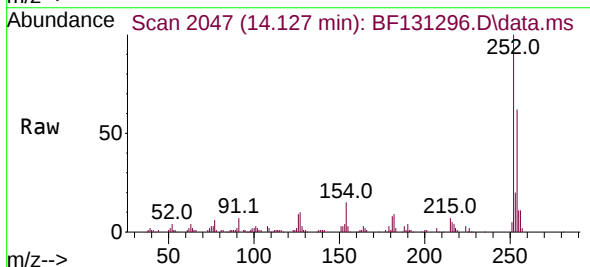
Tgt Ion:228 Resp: 145120
Ion Ratio Lower Upper
228 100
226 25.9 21.5 32.3
229 18.7 16.1 24.1

Manual Integrations
APPROVED

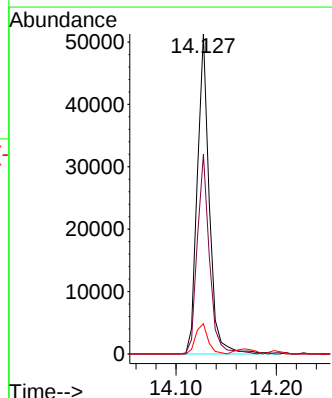
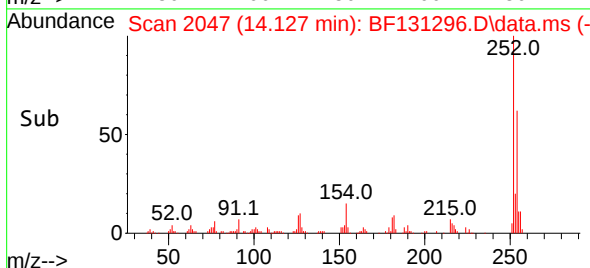
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

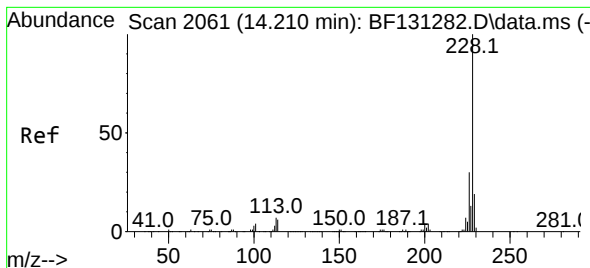


#82
3,3'-Dichlorobenzidine
Concen: 11.399 ng
RT: 14.127 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07



Tgt Ion:252 Resp: 42242
Ion Ratio Lower Upper
252 100
254 62.4 52.6 78.8
126 9.4 7.0 10.6





#83

Chrysene

Concen: 10.513 ng

RT: 14.198 min Scan# 2061

Delta R.T. -0.012 min

Lab File: BF131296.D

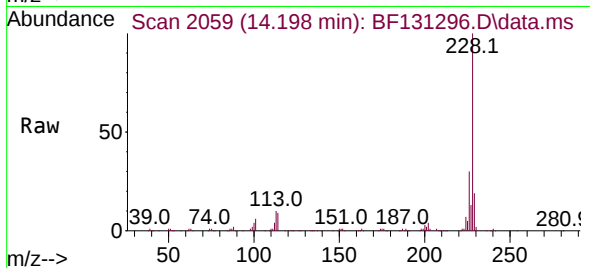
Acq: 18 Nov 2022 13:07

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022



Tgt Ion:228 Resp: 140345

Ion Ratio Lower Upper

228 100

226 30.4 23.8 35.6

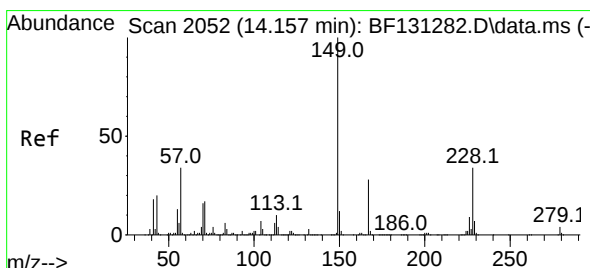
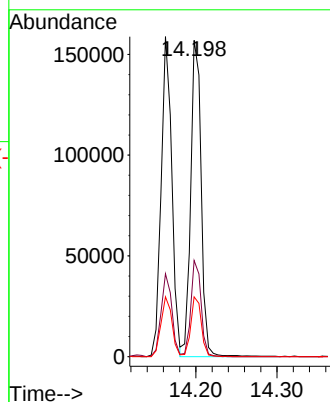
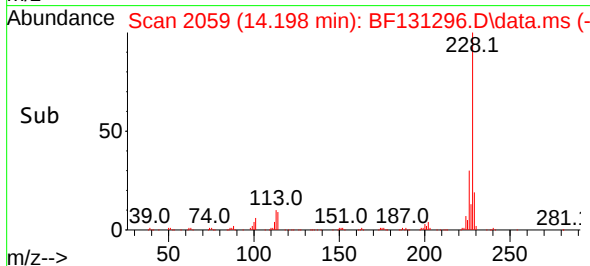
229 18.9 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 10.949 ng

RT: 14.151 min Scan# 2051

Delta R.T. -0.006 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

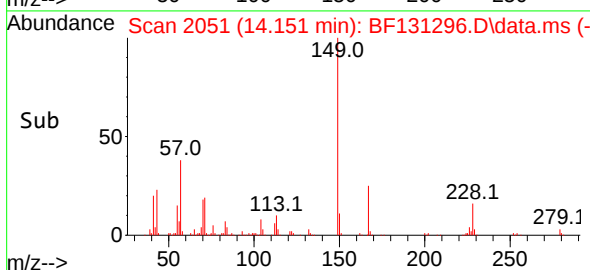
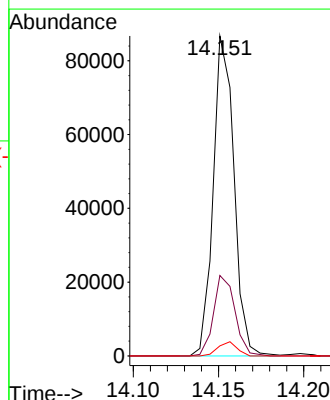
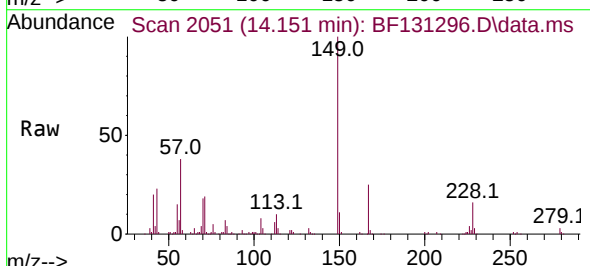
Tgt Ion:149 Resp: 73440

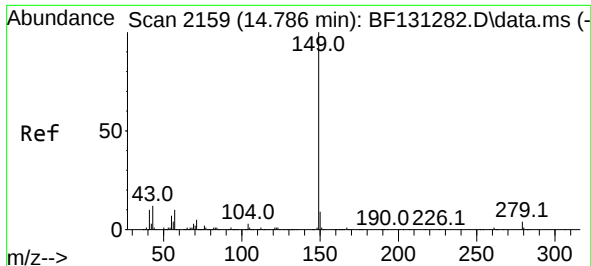
Ion Ratio Lower Upper

149 100

167 25.1 22.2 33.4

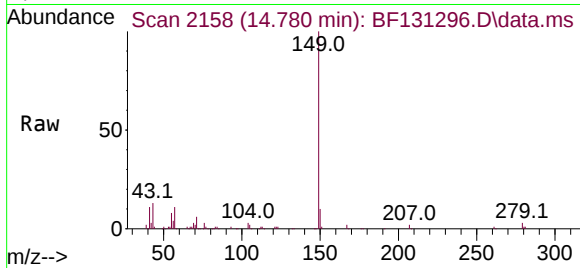
279 3.1 3.4 5.2#





#85
Di-n-octyl phthalate
Concen: 9.454 ng
RT: 14.780 min Scan# 2159
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

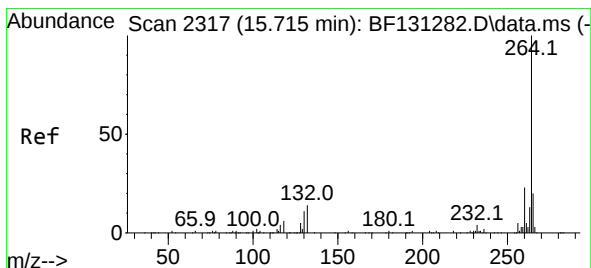
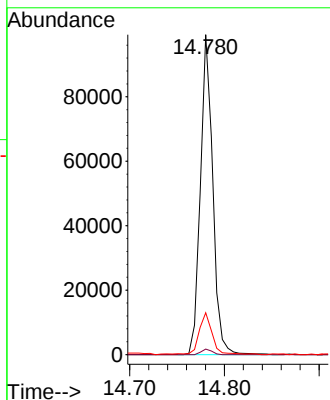
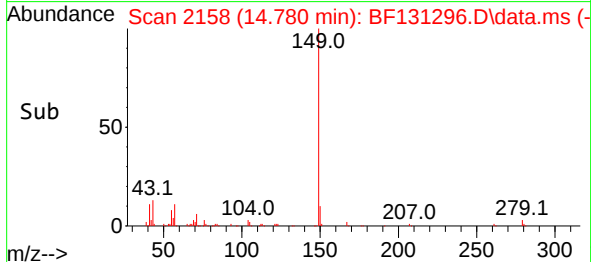
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2022



Tgt Ion:149 Resp: 90017
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 14.1 10.6 16.0

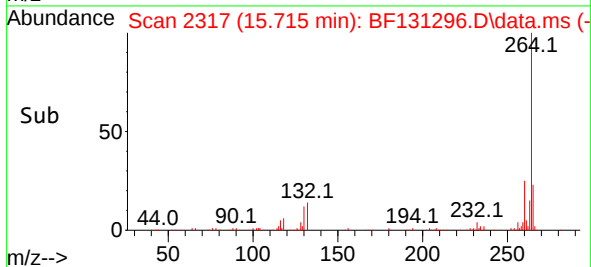
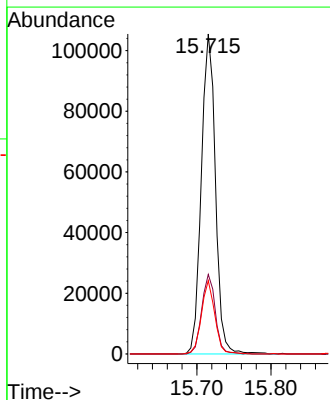
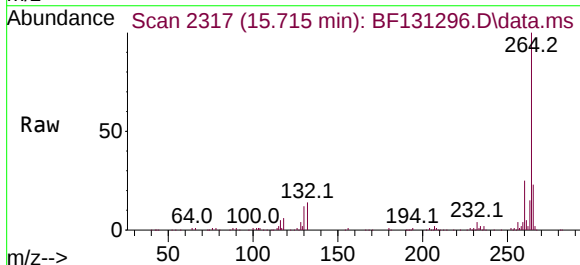
Manual Integrations
APPROVED

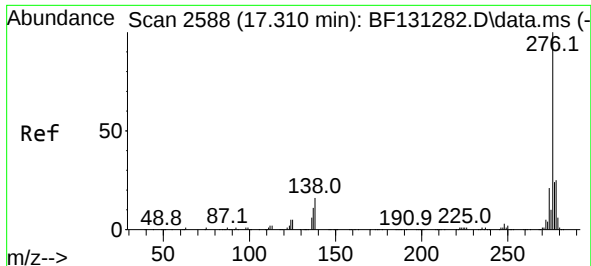
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.715 min Scan# 2317
Delta R.T. -0.000 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

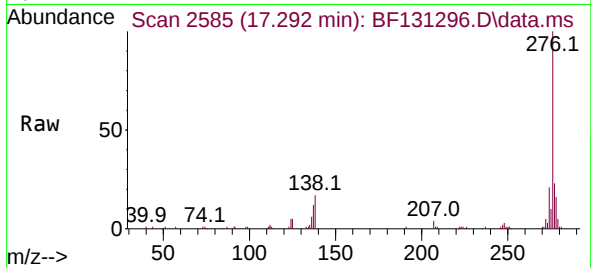
Tgt Ion:264 Resp: 139393
Ion Ratio Lower Upper
264 100
260 24.8 18.7 28.1
265 22.9 16.2 24.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 8.970 ng
RT: 17.292 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

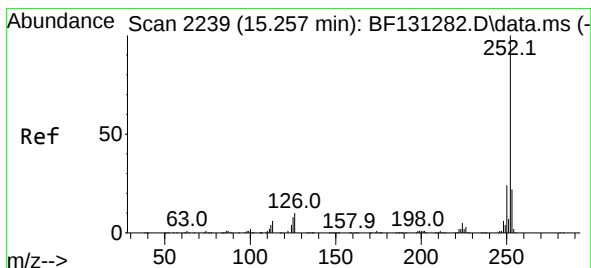
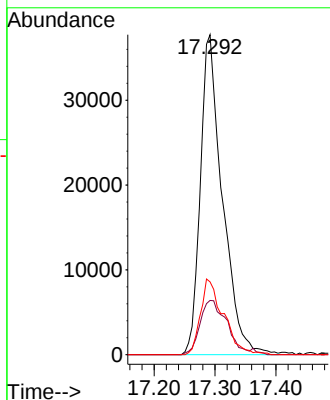
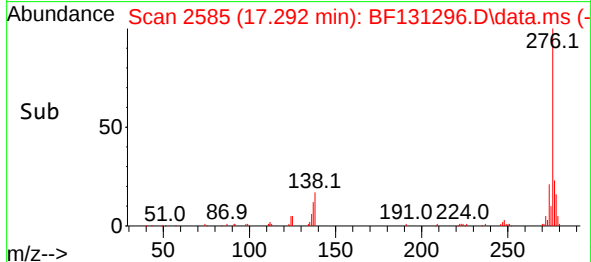
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion: 276 Resp: 94831
Ion Ratio Lower Upper
276 100
138 21.0 15.1 22.7
277 24.6 20.1 30.1

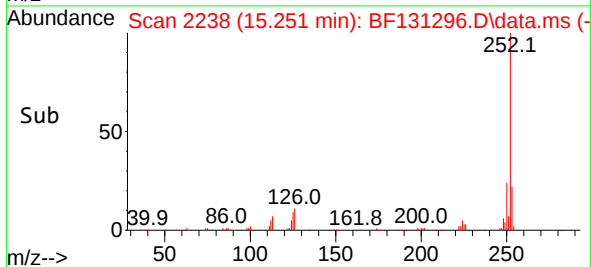
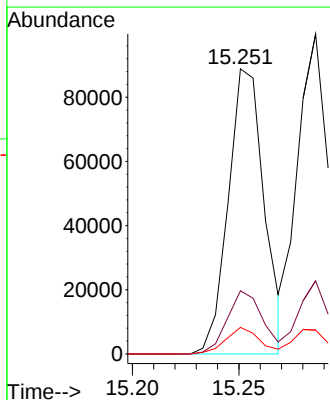
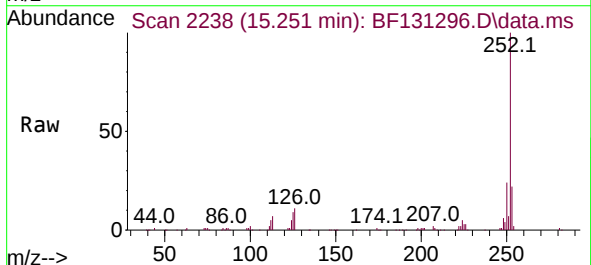
Manual Integrations
APPROVED

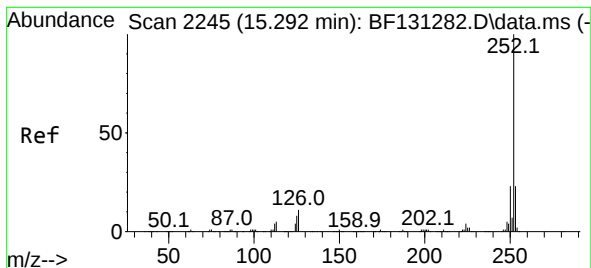
Reviewed By : Christian Giraldo 11/21/2022
Supervised By : Jagrut Upadhyay 11/21/2022



#88
Benzo(b)fluoranthene
Concen: 11.115 ng
RT: 15.251 min Scan# 2238
Delta R.T. -0.006 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

Tgt Ion: 252 Resp: 104280
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.0
125 9.3 6.3 9.5





#89

Benzo(k)fluoranthene

Concen: 11.109 ng

RT: 15.286 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

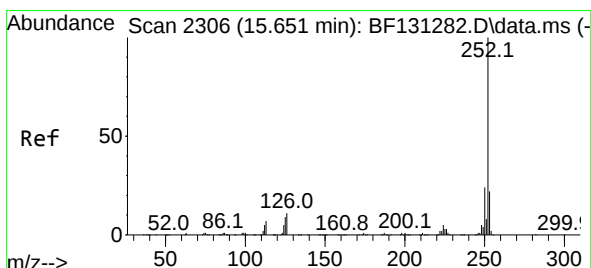
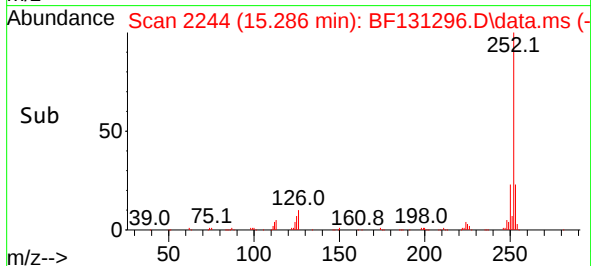
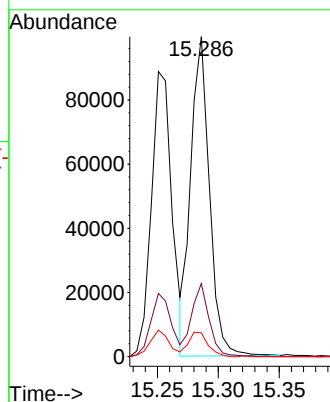
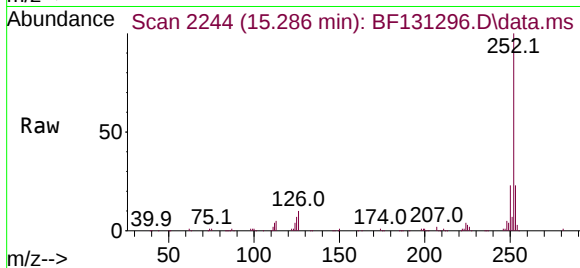
Tgt Ion:252 Resp: 106524
 Ion Ratio Lower Upper
 252 100
 253 22.8 18.0 27.0
 125 7.4 6.5 9.7

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#90

Benzo(a)pyrene

Concen: 11.150 ng

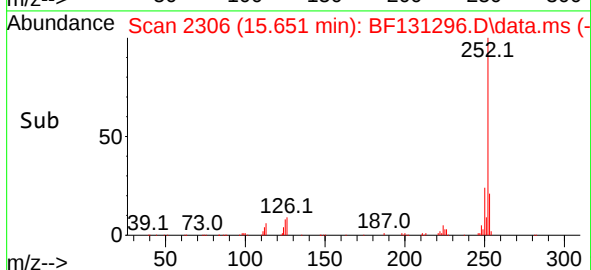
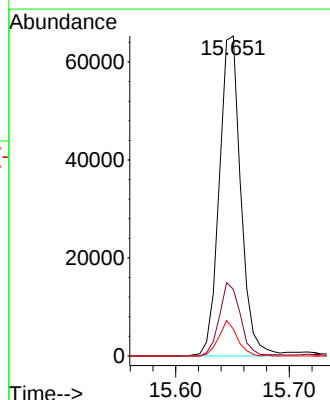
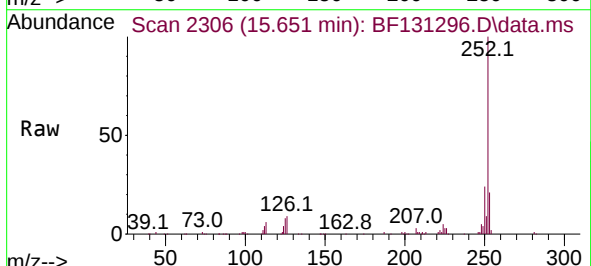
RT: 15.651 min Scan# 2306

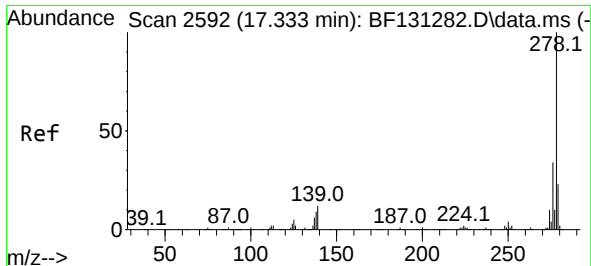
Delta R.T. -0.000 min

Lab File: BF131296.D

Acq: 18 Nov 2022 13:07

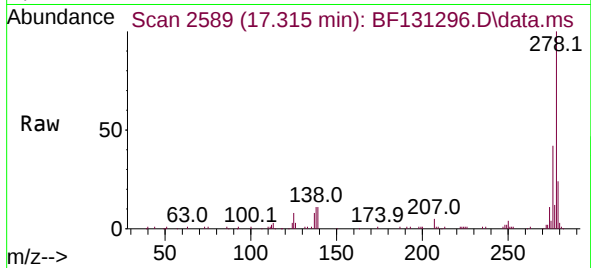
Tgt Ion:252 Resp: 85884
 Ion Ratio Lower Upper
 252 100
 253 20.8 17.7 26.5
 125 8.4 7.2 10.8





#91
Dibenzo(a,h)anthracene
Concen: 9.472 ng
RT: 17.315 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07

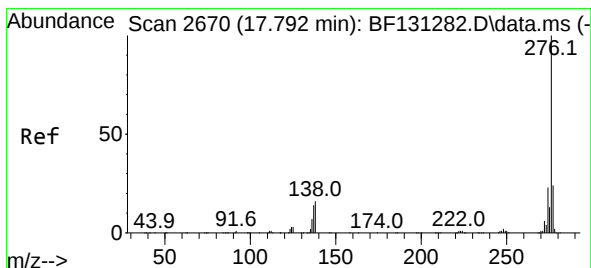
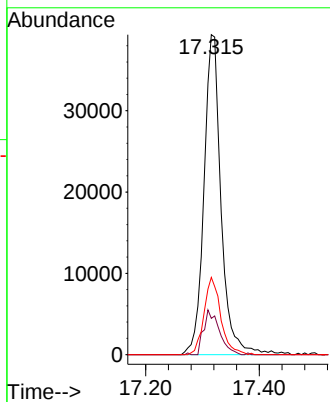
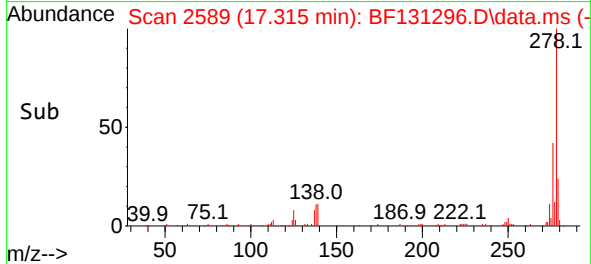
Instrument : BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



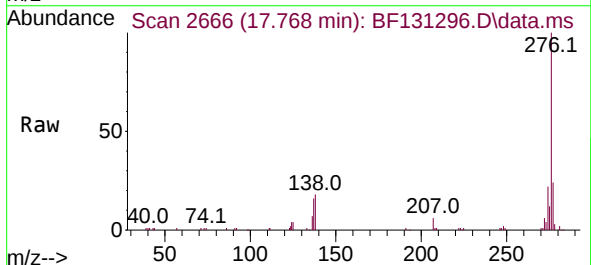
Tgt Ion:278 Resp: 82402
Ion Ratio Lower Upper
278 100
139 11.3 10.0 15.0
279 24.1 18.6 27.8

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 9.209 ng
RT: 17.768 min Scan# 2666
Delta R.T. -0.024 min
Lab File: BF131296.D
Acq: 18 Nov 2022 13:07



Tgt Ion:276 Resp: 80998
Ion Ratio Lower Upper
276 100
277 23.6 19.4 29.0
138 17.6 13.0 19.6

