

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111822\
 Data File : BF131297.D
 Acq On : 18 Nov 2022 13:49
 Operator : CG\JU
 Sample : N4955-02
 Misc : LOQ-SOIL 10ppm
 ALS Vial : 9 Sample Multiplier: 1

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

Manual Integrations
 APPROVED

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

Quant Time: Nov 21 01:22:10 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 21 00:46:51 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	82437	20.000	ng	0.00
21) Naphthalene-d8	8.257	136	298448	20.000	ng	0.00
39) Acenaphthene-d10	10.028	164	179975	20.000	ng	0.00
64) Phenanthrene-d10	11.522	188	337286	20.000	ng	0.00
76) Chrysene-d12	14.174	240	239285	20.000	ng	0.00
86) Perylene-d12	15.716	264	169177	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	435758	96.750	ng	0.00
7) Phenol-d6	6.581	99	550092	96.343	ng	0.00
23) Nitrobenzene-d5	7.534	82	416632	74.570	ng	0.00
42) 2,4,6-Tribromophenol	10.816	330	161739	100.952	ng	0.00
45) 2-Fluorobiphenyl	9.339	172	853642	67.744	ng	0.00
79) Terphenyl-d14	13.116	244	1000593	62.505	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.775	88	20077	9.641	ng	95
3) Pyridine	3.558	79	50706	8.739	ng	92
4) n-Nitrosodimethylamine	3.493	42	31085	8.635	ng	95
6) Aniline	6.628	93	73373	10.268	ng	98
8) 2-Chlorophenol	6.751	128	49025	9.834	ng	91
9) Benzaldehyde	6.516	77	46207	11.147	ng	97
10) Phenol	6.593	94	59639	9.437	ng	95
11) bis(2-Chloroethyl)ether	6.698	93	49091	9.651	ng	97
12) 1,3-Dichlorobenzene	6.910	146	56581	9.540	ng	96
13) 1,4-Dichlorobenzene	6.987	146	58398	9.684	ng	96
14) 1,2-Dichlorobenzene	7.140	146	54207	9.657	ng	95
15) Benzyl Alcohol	7.128	79	30177	6.205	ng	# 71
16) 2,2'-oxybis(1-Chloropr...	7.240	45	97177	10.090	ng	99
17) 2-Methylphenol	7.204	107	40573	9.309	ng	97
18) Hexachloroethane	7.487	117	20758	9.681	ng	93
19) n-Nitroso-di-n-propyla...	7.375	70	39913	9.719	ng	# 98
20) 3+4-Methylphenols	7.357	107	52524	9.435	ng	89
22) Acetophenone	7.375	105	80234	10.174	ng	97
24) Nitrobenzene	7.551	77	57518	10.171	ng	98
25) Isophorone	7.787	82	106113	9.948	ng	98
26) 2-Nitrophenol	7.869	139	16972	9.476	ng	98
27) 2,4-Dimethylphenol	7.898	122	47761	11.389	ng	97
28) bis(2-Chloroethoxy)met...	7.998	93	64196	10.775	ng	99
29) 2,4-Dichlorophenol	8.104	162	42582	9.481	ng	94
30) 1,2,4-Trichlorobenzene	8.198	180	52296	9.379	ng	97
31) Naphthalene	8.281	128	153710	9.498	ng	97
32) Benzoic acid	7.969	122	29789	11.874	ng	92
33) 4-Chloroaniline	8.328	127	62248	9.902	ng	92
34) Hexachlorobutadiene	8.398	225	34206	9.283	ng	96
35) Caprolactam	8.663	113	13216	10.569	ng	96
36) 4-Chloro-3-methylphenol	8.798	107	46692	9.646	ng	94
37) 2-Methylnaphthalene	8.975	142	104694	9.599	ng	97
38) 1-Methylnaphthalene	9.075	142	99712	9.435	ng	98
40) 1,2,4,5-Tetrachloroben...	9.140	216	56547	9.603	ng	99
41) Hexachlorocyclopentadiene	9.128	237	23861	9.367	ng	97
43) 2,4,6-Trichlorophenol	9.251	196	23871	6.818	ng	99

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111822\
 Data File : BF131297.D
 Acq On : 18 Nov 2022 13:49
 Operator : CG\JU
 Sample : N4955-02
 Misc : LOQ-SOIL 10ppm
 ALS Vial : 9 Sample Multiplier: 1

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

Quant Time: Nov 21 01:22:10 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	9.287	196	37663	9.873	ng	95
46) 1,1'-Biphenyl	9.439	154	136326	9.809	ng	99
47) 2-Chloronaphthalene	9.469	162	104229	9.341	ng	98
48) 2-Nitroaniline	9.557	65	27401	8.884	ng	98
49) Acenaphthylene	9.886	152	161425	9.471	ng	99
50) Dimethylphthalate	9.734	163	123476	9.475	ng	99
51) 2,6-Dinitrotoluene	9.798	165	21026	9.822	ng	96
52) Acenaphthene	10.057	154	102841	9.670	ng	97
53) 3-Nitroaniline	9.969	138	21895	9.664	ng	94
54) 2,4-Dinitrophenol	10.069	184	8758	11.614	ng	# 57
55) Dibenzofuran	10.228	168	148064	9.601	ng	99
56) 4-Nitrophenol	10.110	139	13858	8.129	ng	97
57) 2,4-Dinitrotoluene	10.198	165	25107	9.700	ng	98
58) Fluorene	10.575	166	116288	9.495	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.339	232	25945	8.029	ng	97
60) Diethylphthalate	10.439	149	118973	9.569	ng	98
61) 4-Chlorophenyl-phenyle...	10.569	204	60482	9.742	ng	93
62) 4-Nitroaniline	10.581	138	21448	9.318	ng	96
63) Azobenzene	10.728	77	120696	9.347	ng	99
65) 4,6-Dinitro-2-methylph...	10.610	198	10424	8.915	ng	92
66) n-Nitrosodiphenylamine	10.681	169	101287	9.319	ng	98
67) 4-Bromophenyl-phenylether	11.063	248	37442	9.251	ng	# 90
68) Hexachlorobenzene	11.122	284	39535	9.004	ng	97
69) Atrazine	11.210	200	35838	10.336	ng	97
70) Pentachlorophenol	11.316	266	27763m	11.835	ng	
71) Phenanthrene	11.545	178	173787	9.318	ng	99
72) Anthracene	11.598	178	176324	9.668	ng	99
73) Carbazole	11.745	167	149036	9.721	ng	99
74) Di-n-butylphthalate	12.080	149	183023	9.886	ng	100
75) Fluoranthene	12.739	202	185524	9.586	ng	99
77) Benzidine	12.863	184	78300	14.467	ng	97
78) Pyrene	12.969	202	187546	8.146	ng	99
80) Butylbenzylphthalate	13.592	149	61174	8.784	ng	96
81) Benzo(a)anthracene	14.163	228	149144	8.841	ng	100
82) 3,3'-Dichlorobenzidine	14.127	252	44824	10.009	ng	99
83) Chrysene	14.198	228	142171	8.812	ng	99
84) Bis(2-ethylhexyl)phtha...	14.157	149	81865	10.098	ng	100
85) Di-n-octyl phthalate	14.780	149	98391	8.551	ng	100
87) Indeno(1,2,3-cd)pyrene	17.292	276	92394	7.201	ng	97
88) Benzo(b)fluoranthene	15.257	252	108601	9.538	ng	99
89) Benzo(k)fluoranthene	15.286	252	109570	9.415	ng	99
90) Benzo(a)pyrene	15.645	252	87929	9.406	ng	100
91) Dibenzo(a,h)anthracene	17.321	278	81945	7.761	ng	99
92) Benzo(g,h,i)perylene	17.768	276	80496	7.541	ng	98

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

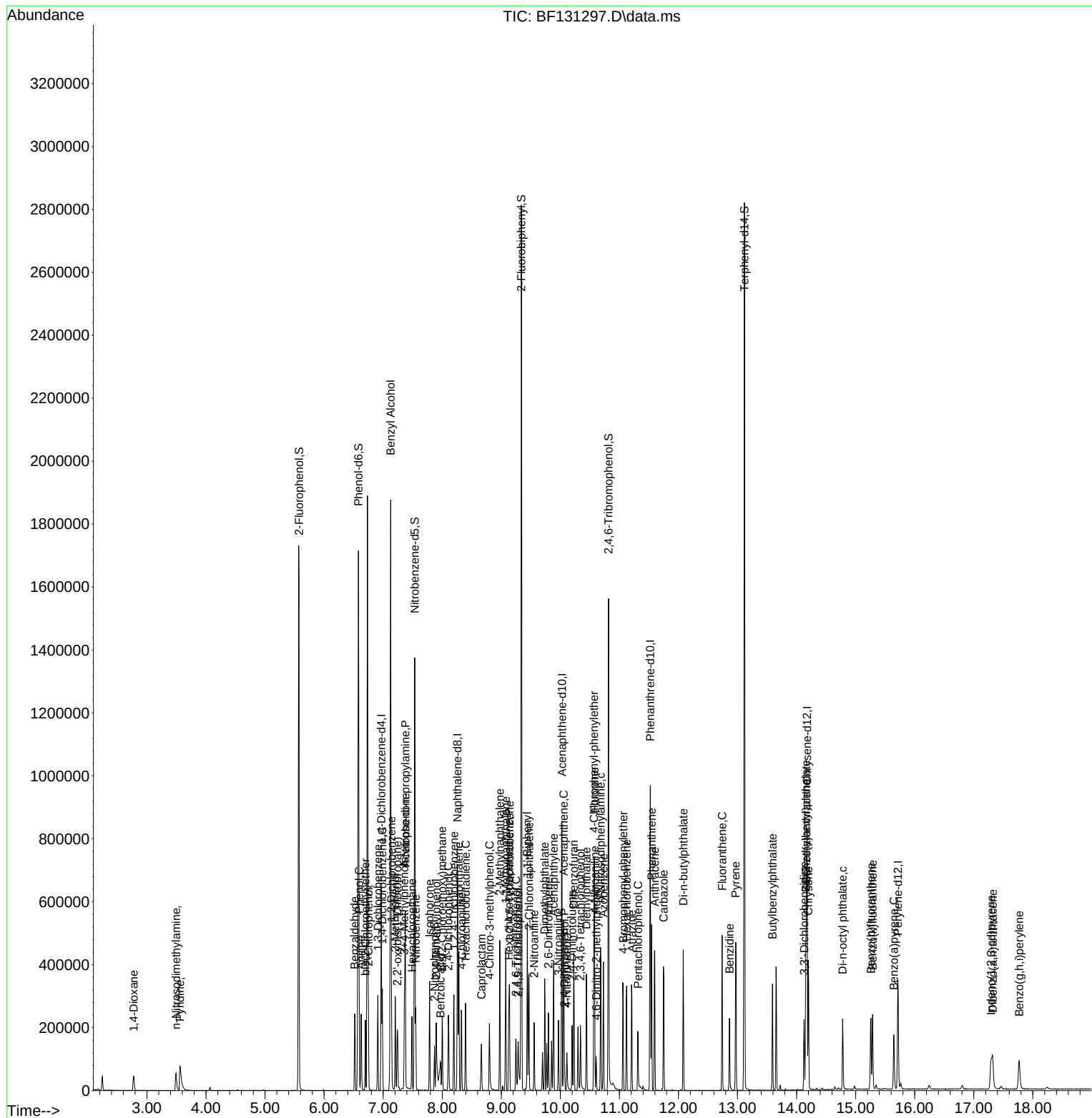
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111822\
 Data File : BF131297.D
 Acq On : 18 Nov 2022 13:49
 Operator : CG\JU
 Sample : N4955-02
 Misc : LOQ-SOIL 10ppm
 ALS Vial : 9 Sample Multiplier: 1

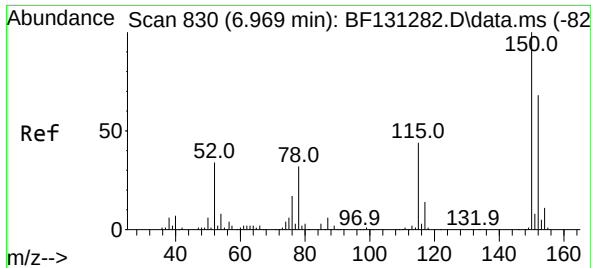
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022

Quant Time: Nov 21 01:22:10 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

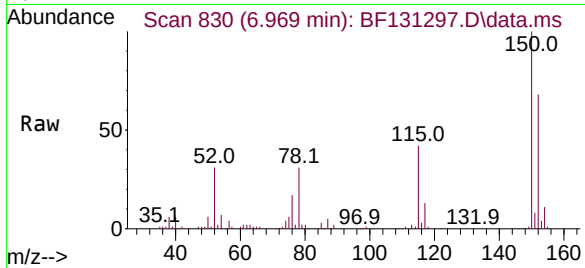
Reviewed By : Christian Giraldo 11/21/2022
 Supervised By : Jagrut Upadhyay 11/21/2022





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 830
Delta R.T. 0.000 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

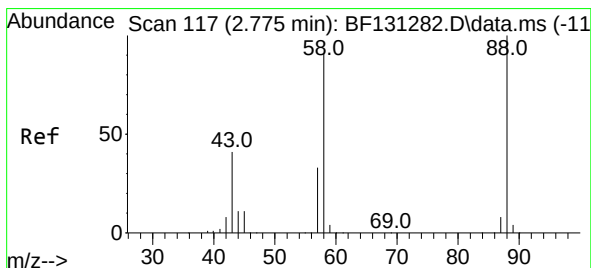
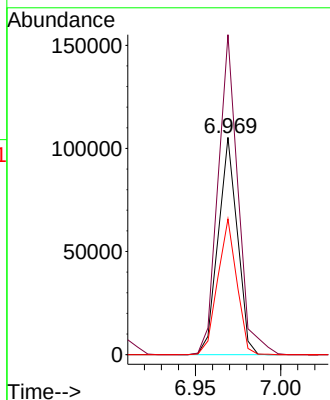
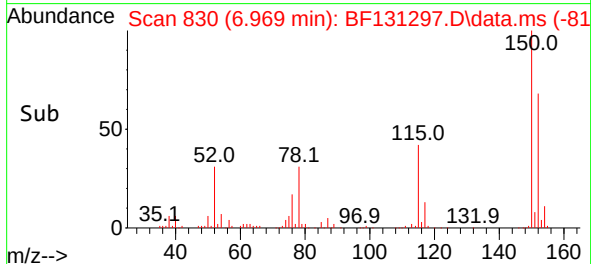
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:152 Resp: 82437
Ion Ratio Lower Upper
152 100
150 147.4 117.8 176.6
115 62.4 52.2 78.4

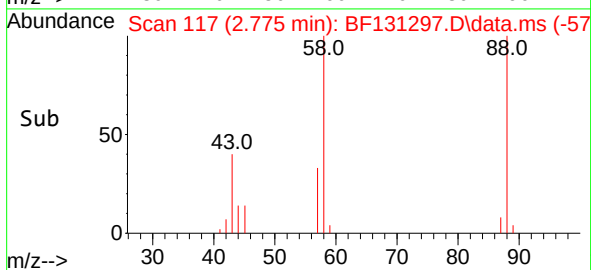
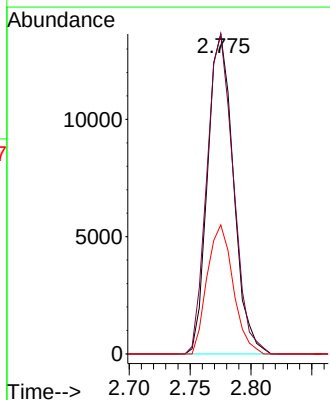
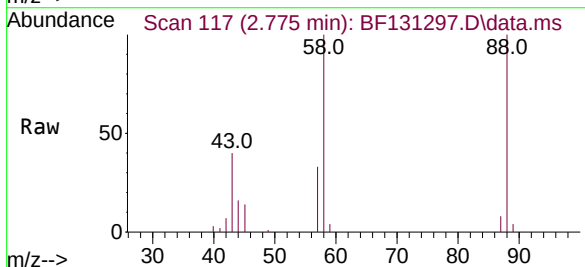
Manual Integrations
APPROVED

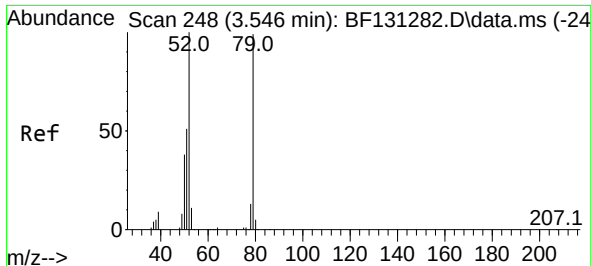
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#2
1,4-Dioxane
Concen: 9.641 ng
RT: 2.775 min Scan# 117
Delta R.T. 0.000 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

Tgt Ion: 88 Resp: 20077
Ion Ratio Lower Upper
88 100
58 102.2 76.0 114.0
43 40.7 32.4 48.6





#3

Pyridine

Concen: 8.739 ng

RT: 3.558 min Scan# 248

Delta R.T. 0.012 min

Lab File: BF131297.D

Acq: 18 Nov 2022 13:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

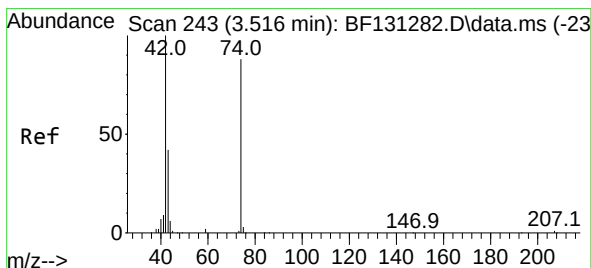
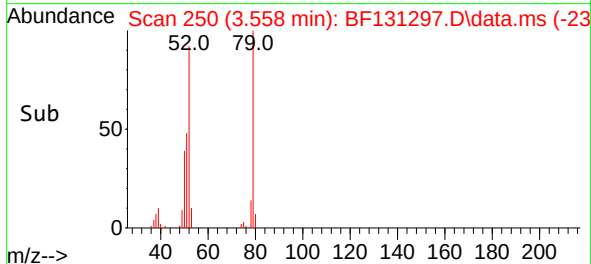
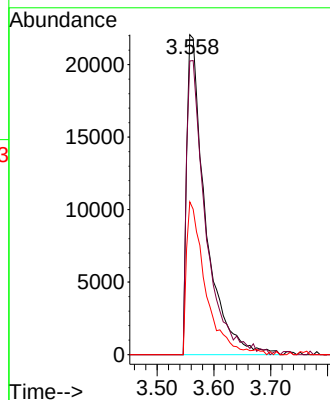
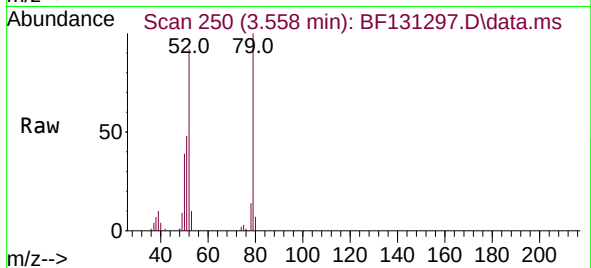
Tgt Ion: 79 Resp: 50706
 Ion Ratio Lower Upper
 79 100
 52 91.8 80.7 121.1
 51 47.7 41.6 62.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#4

n-Nitrosodimethylamine

Concen: 8.635 ng

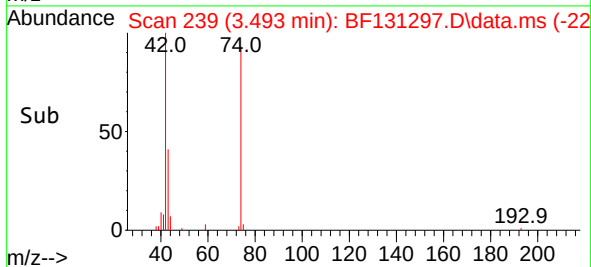
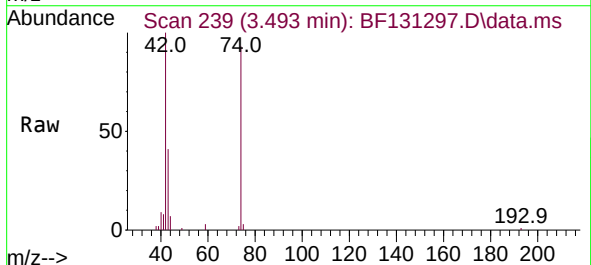
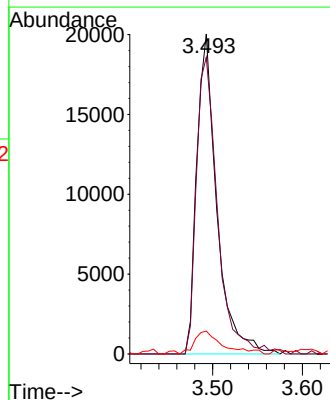
RT: 3.493 min Scan# 239

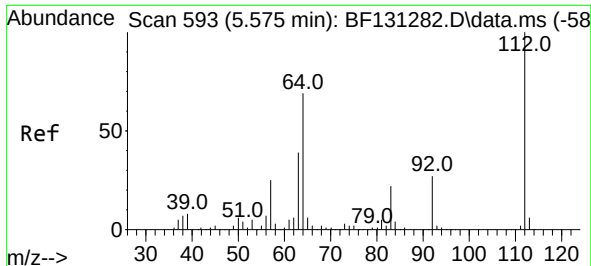
Delta R.T. -0.023 min

Lab File: BF131297.D

Acq: 18 Nov 2022 13:49

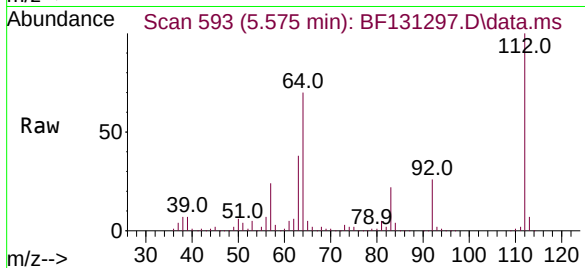
Tgt Ion: 42 Resp: 31085
 Ion Ratio Lower Upper
 42 100
 74 92.7 70.3 105.5
 44 7.1 5.4 8.2





#5
2-Fluorophenol
Concen: 96.750 ng
RT: 5.575 min Scan# 593
Delta R.T. 0.000 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

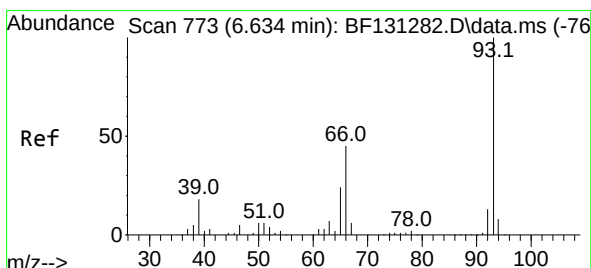
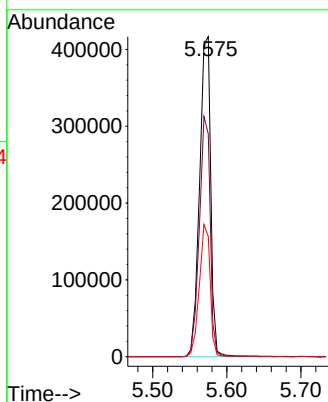
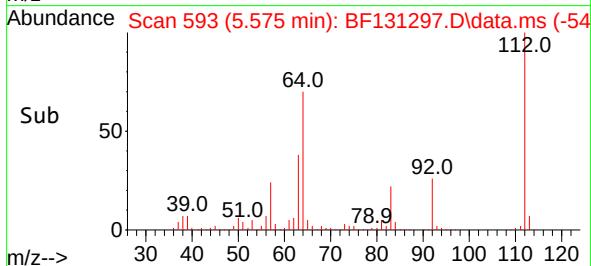
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



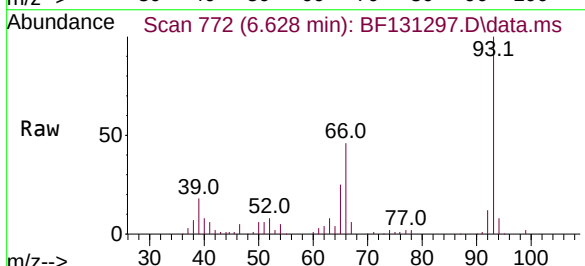
Tgt Ion:112 Resp: 435758
Ion Ratio Lower Upper
112 100
64 69.6 55.5 83.3
63 37.6 31.0 46.6

Manual Integrations
APPROVED

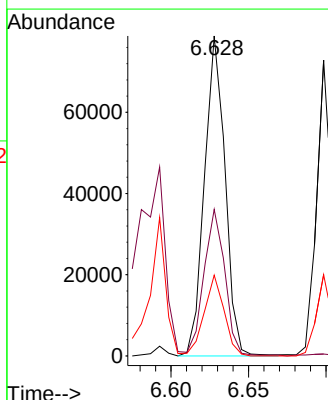
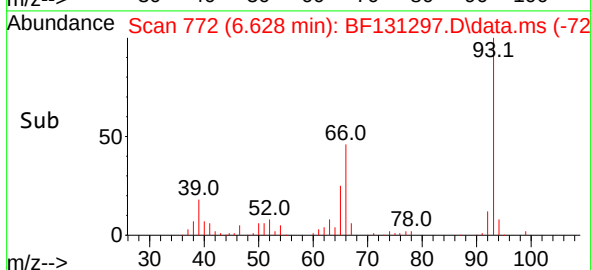
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

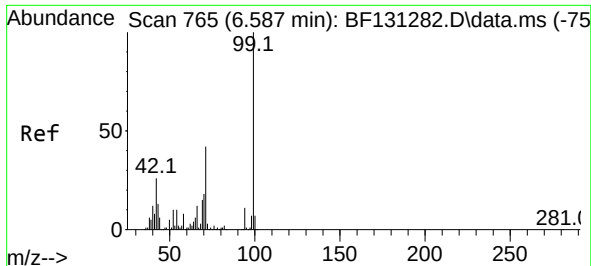


#6
Aniline
Concen: 10.268 ng
RT: 6.628 min Scan# 772
Delta R.T. -0.006 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49



Tgt Ion: 93 Resp: 73373
Ion Ratio Lower Upper
93 100
66 45.8 37.7 56.5
65 25.2 19.5 29.3





#7

Phenol-d6

Concen: 96.343 ng

RT: 6.581 min Scan# 764

Delta R.T. -0.006 min

Lab File: BF131297.D

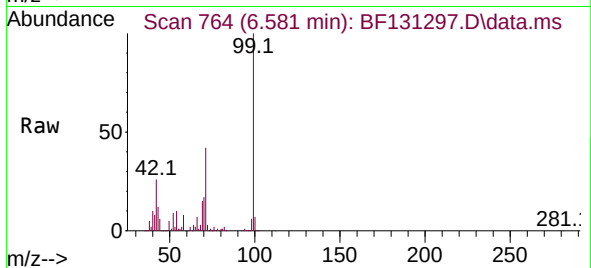
Acq: 18 Nov 2022 13:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022



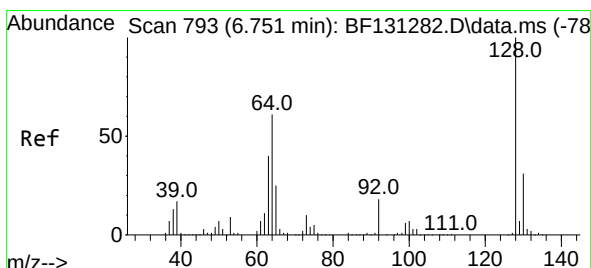
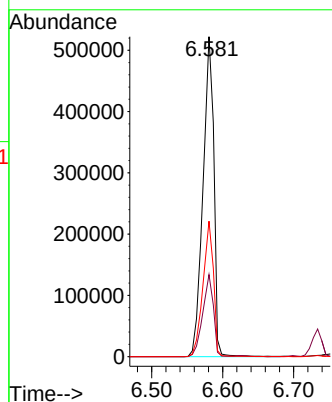
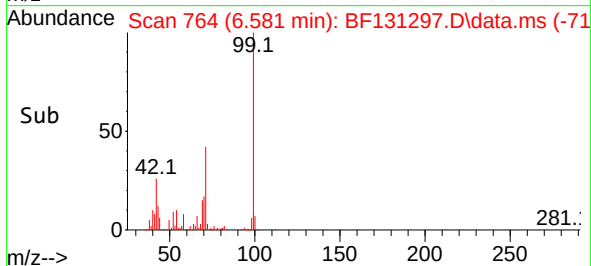
Tgt Ion:	99	Resp:	550092
Ion	Ratio	Lower	Upper
99	100		
42	25.6	21.2	31.8
71	42.3	33.8	50.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#8

2-Chlorophenol

Concen: 9.834 ng

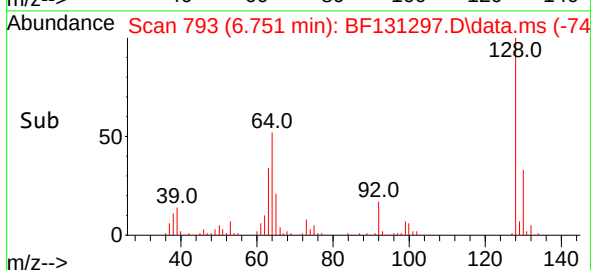
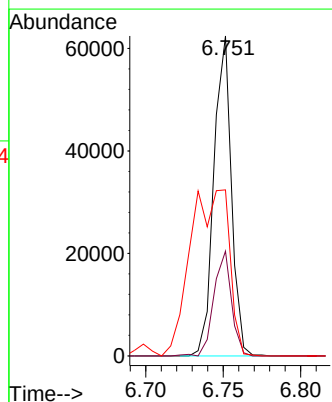
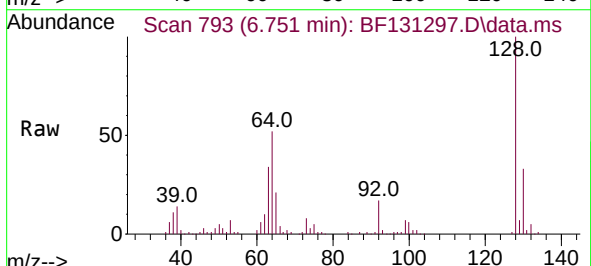
RT: 6.751 min Scan# 793

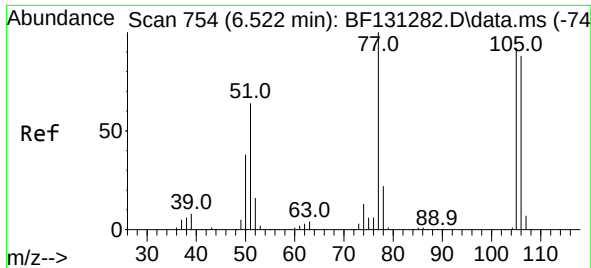
Delta R.T. 0.000 min

Lab File: BF131297.D

Acq: 18 Nov 2022 13:49

Tgt Ion:	128	Resp:	49025
Ion	Ratio	Lower	Upper
128	100		
130	32.7	11.4	51.4
64	51.9	40.9	80.9





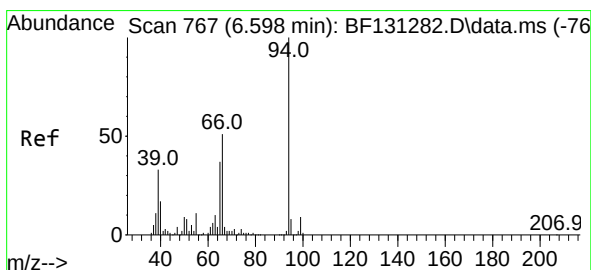
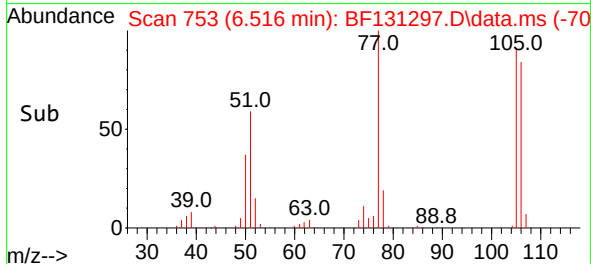
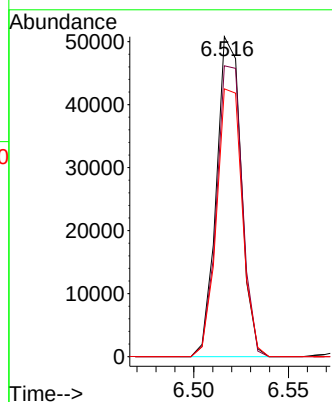
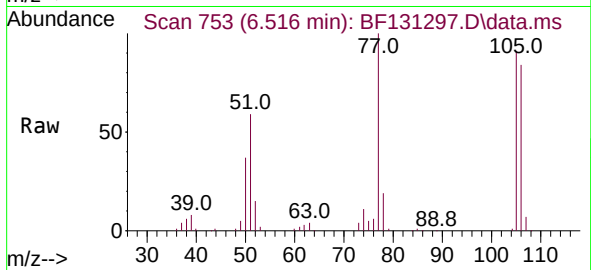
#9
Benzaldehyde
Concen: 11.147 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

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

Tgt Ion: 77 Resp: 4620
Ion Ratio Lower Upper
77 100
105 90.9 72.5 112.5
106 83.7 67.7 107.7

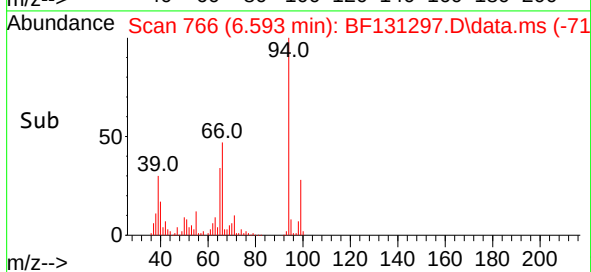
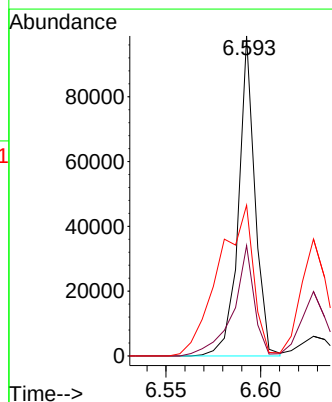
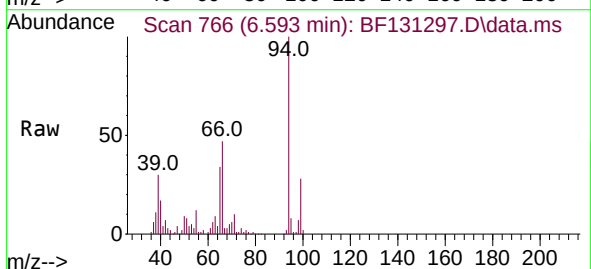
Manual Integrations
APPROVED

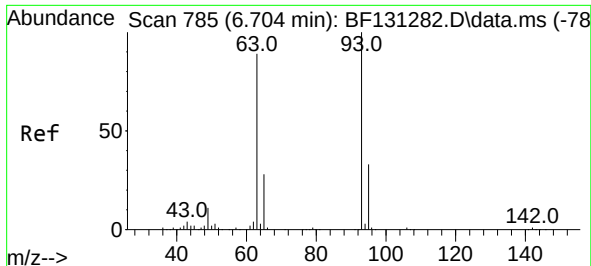
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#10
Phenol
Concen: 9.437 ng
RT: 6.593 min Scan# 766
Delta R.T. -0.006 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

Tgt Ion: 94 Resp: 59639
Ion Ratio Lower Upper
94 100
65 34.5 16.8 56.8
66 47.1 31.4 71.4





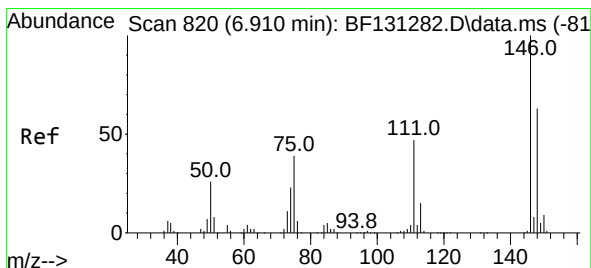
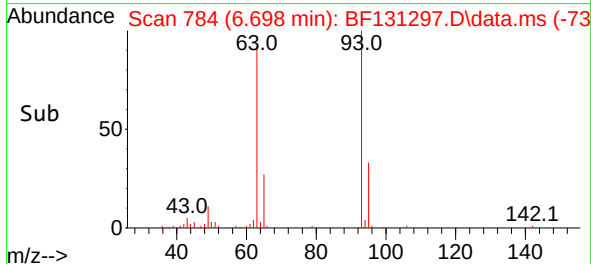
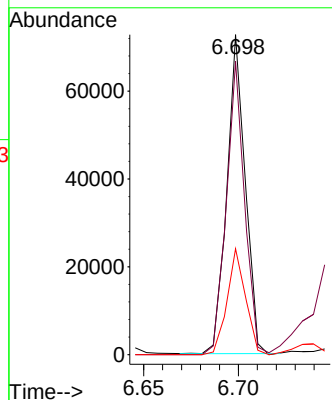
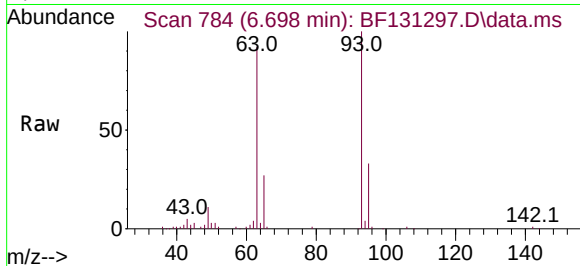
#11
bis(2-Chloroethyl)ether
Concen: 9.651 ng
RT: 6.698 min Scan# 785
Delta R.T. -0.006 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

Instrument : BNA_F
Client Sample Id : LOQ-SOIL-02-QT4-2022

Tgt Ion: 93 Resp: 49091
Ion Ratio Lower Upper
93 100
63 91.6 68.8 108.8
95 33.1 12.4 52.4

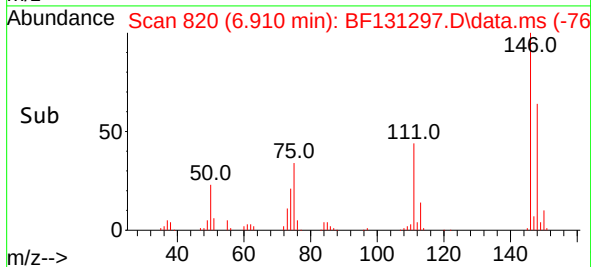
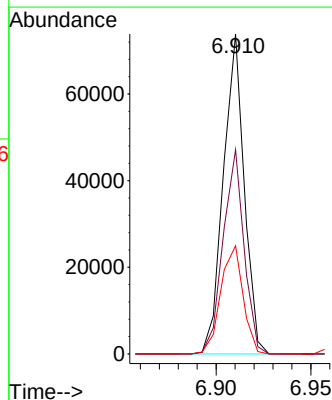
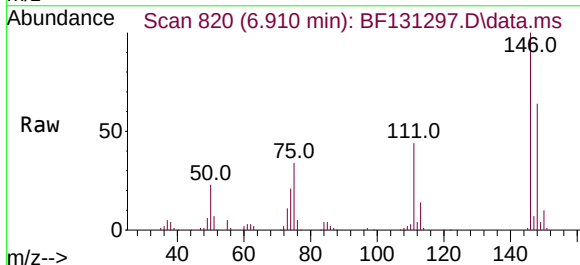
Manual Integrations
APPROVED

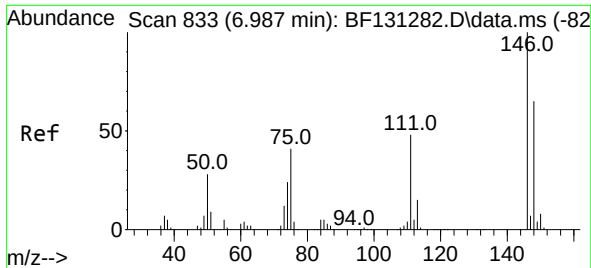
Reviewed By : Christian Giraldo 11/21/2022
Supervised By : Jagrut Upadhyay 11/21/2022



#12
1,3-Dichlorobenzene
Concen: 9.540 ng
RT: 6.910 min Scan# 820
Delta R.T. 0.000 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

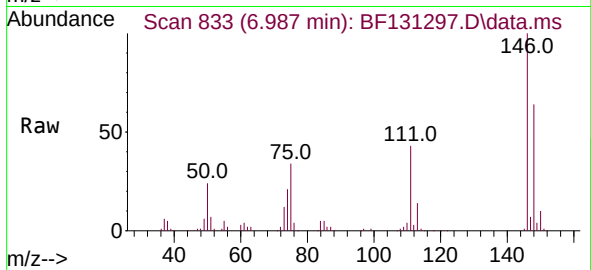
Tgt Ion: 146 Resp: 56581
Ion Ratio Lower Upper
146 100
148 63.8 50.4 75.6
75 33.8 30.9 46.3





#13
1,4-Dichlorobenzene
Concen: 9.684 ng
RT: 6.987 min Scan# 841
Delta R.T. 0.000 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

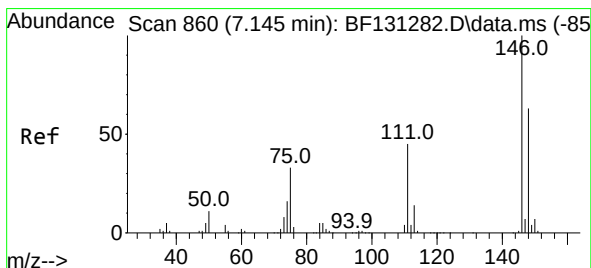
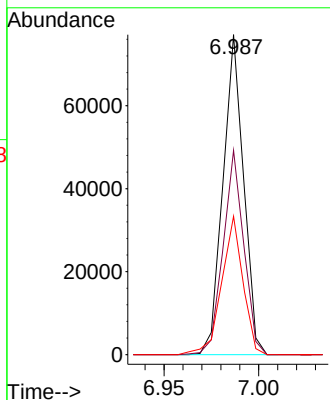
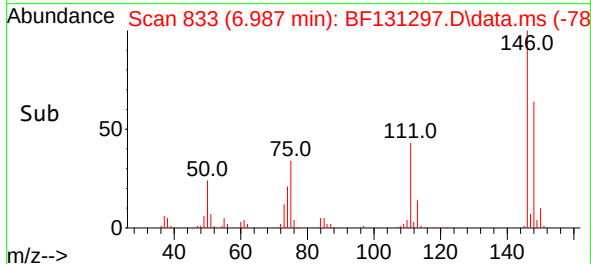
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



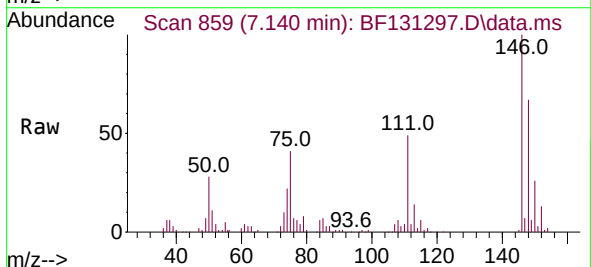
Tgt Ion:146 Resp: 58398
Ion Ratio Lower Upper
146 100
148 63.8 51.9 77.9
111 43.2 38.3 57.5

Manual Integrations
APPROVED

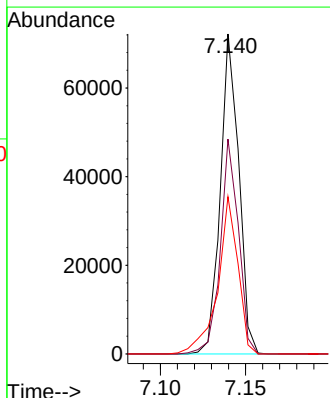
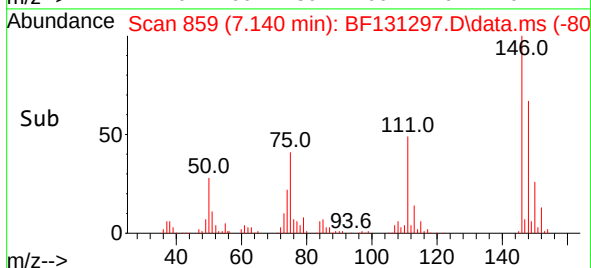
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

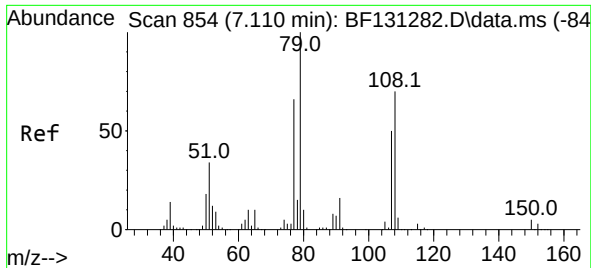


#14
1,2-Dichlorobenzene
Concen: 9.657 ng
RT: 7.140 min Scan# 859
Delta R.T. -0.006 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49



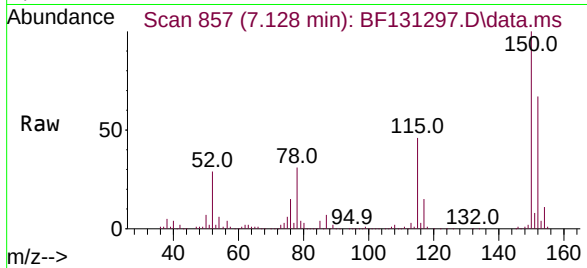
Tgt Ion:146 Resp: 54207
Ion Ratio Lower Upper
146 100
148 67.1 50.6 75.8
111 49.1 36.4 54.6





#15
Benzyl Alcohol
Concen: 6.205 ng
RT: 7.128 min Scan# 854
Delta R.T. 0.018 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

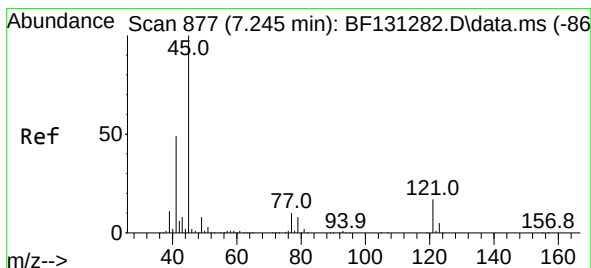
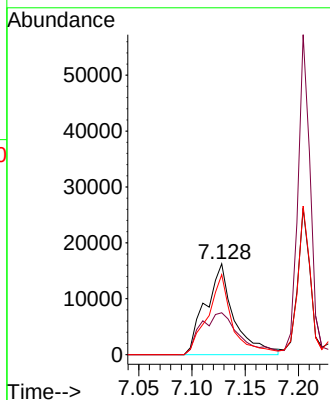
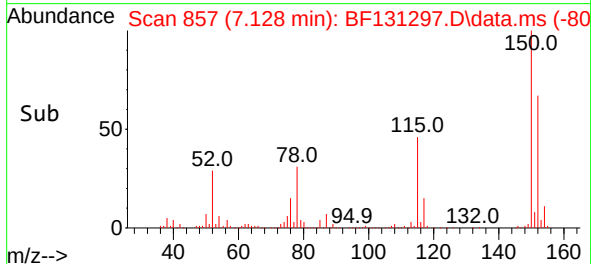
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion: 79 Resp: 3017
Ion Ratio Lower Upper
79 100
108 46.0 56.3 84.5
77 88.0 52.5 78.7

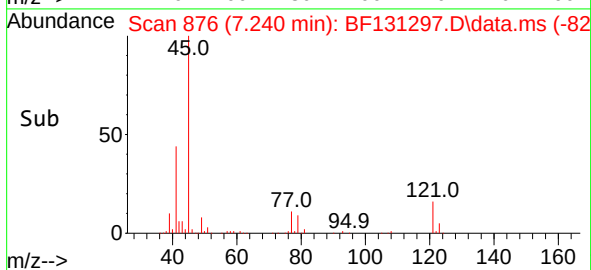
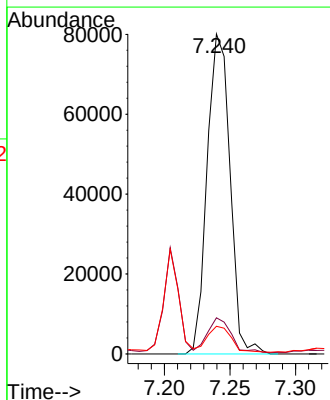
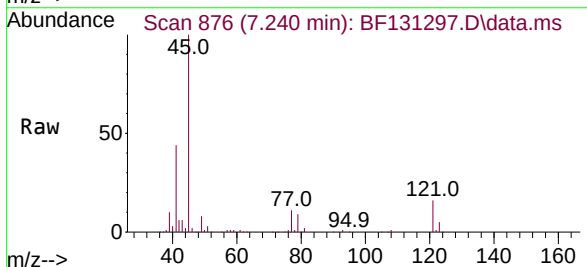
Manual Integrations
APPROVED

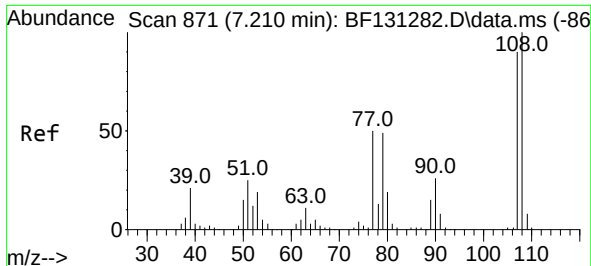
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 10.090 ng
RT: 7.240 min Scan# 876
Delta R.T. -0.006 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

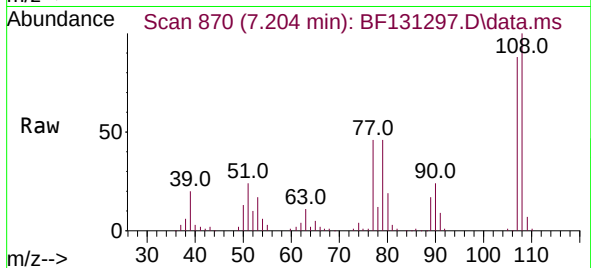
Tgt Ion: 45 Resp: 97177
Ion Ratio Lower Upper
45 100
77 11.3 0.0 30.8
79 8.6 0.0 28.4





#17
2-Methylphenol
Concen: 9.309 ng
RT: 7.204 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

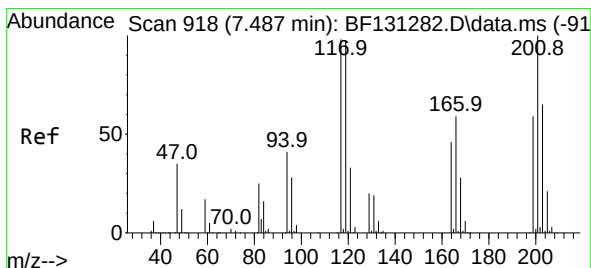
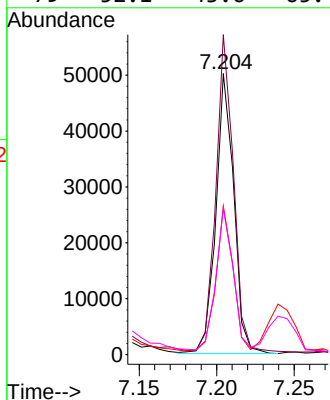
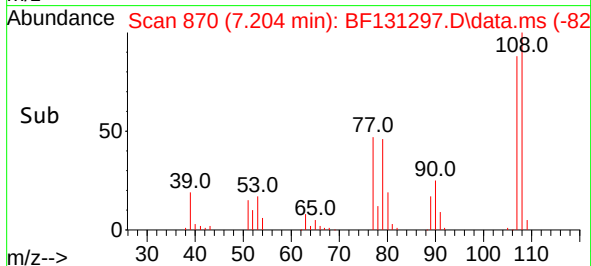
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:107 Resp: 40573
Ion Ratio Lower Upper
107 100
108 113.9 89.2 133.8
77 52.9 45.0 67.4
79 52.1 43.6 65.4

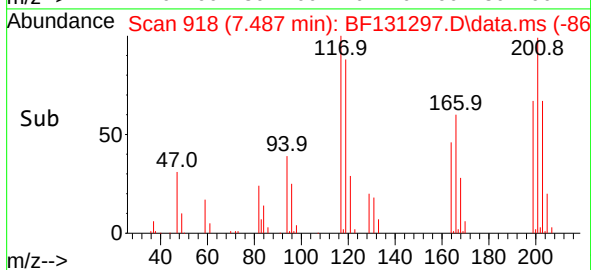
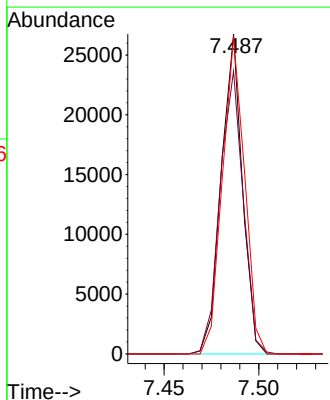
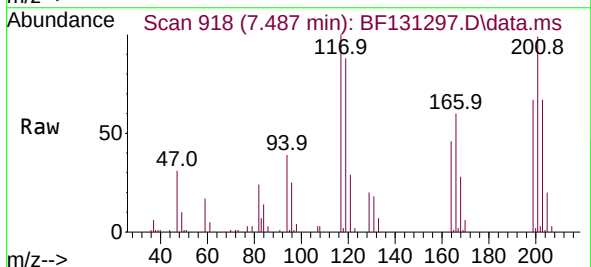
Manual Integrations
APPROVED

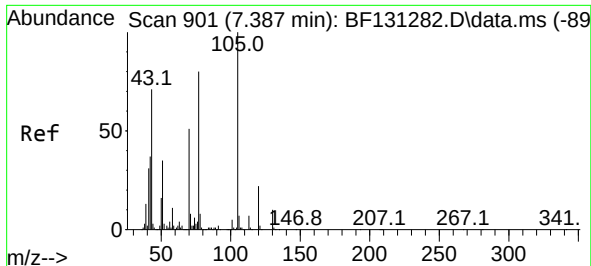
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#18
Hexachloroethane
Concen: 9.681 ng
RT: 7.487 min Scan# 918
Delta R.T. 0.000 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

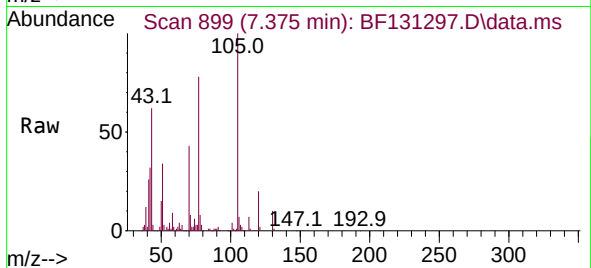
Tgt Ion:117 Resp: 20758
Ion Ratio Lower Upper
117 100
119 88.4 79.0 118.4
201 99.3 81.7 122.5





#19
n-Nitroso-di-n-propylamine
Concen: 9.719 ng
RT: 7.375 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

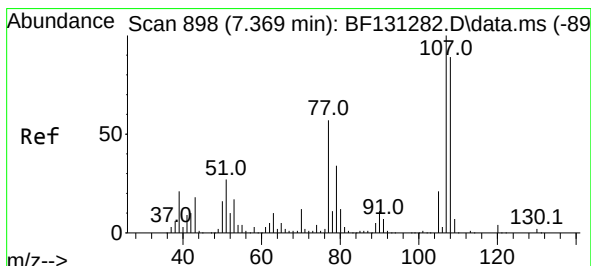
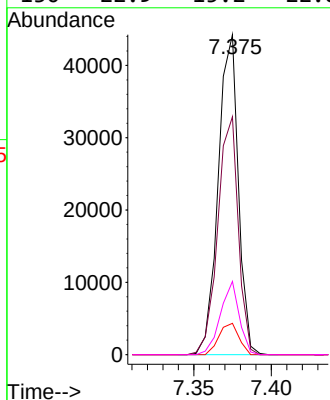
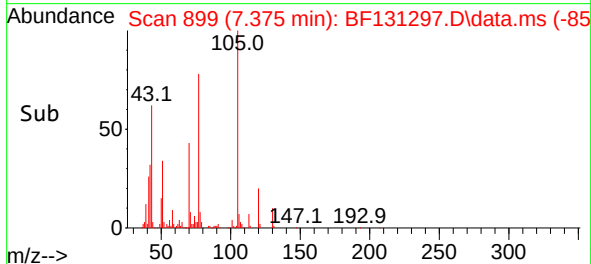
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion: 70 Resp: 39913
Ion Ratio Lower Upper
70 100
42 74.3 58.9 88.3
101 9.8 7.2 10.8
130 22.9 15.2 22.8#

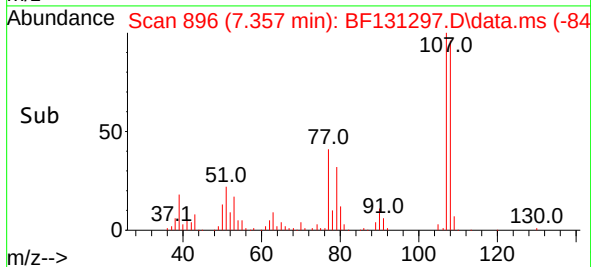
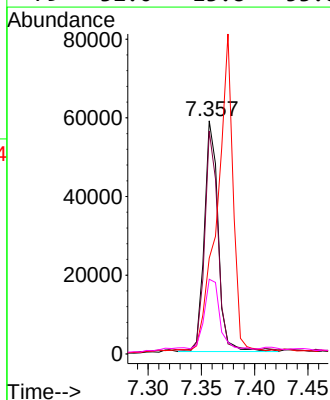
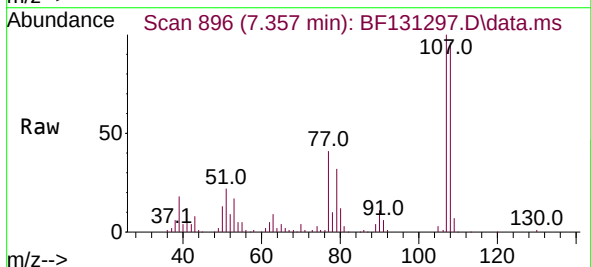
Manual Integrations
APPROVED

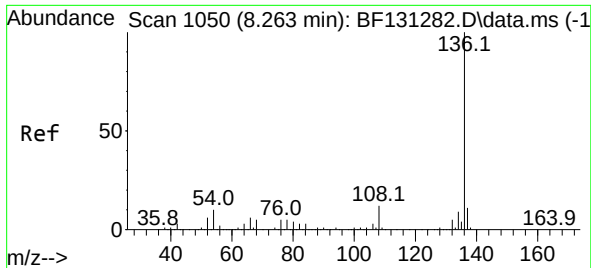
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#20
3+4-Methylphenols
Concen: 9.435 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

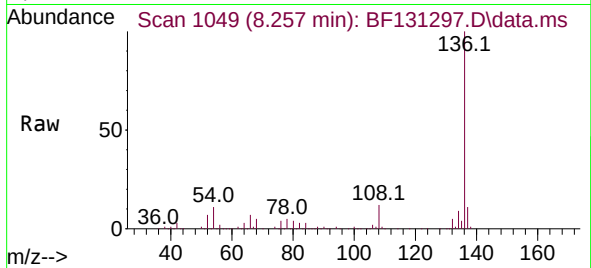
Tgt Ion:107 Resp: 52524
Ion Ratio Lower Upper
107 100
108 95.6 69.0 109.0
77 41.1 36.9 76.9
79 32.0 13.8 53.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.257 min Scan# 1049
Delta R.T. -0.006 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

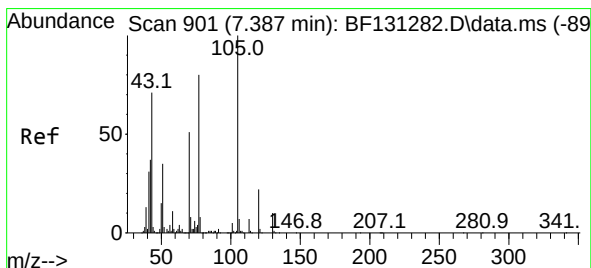
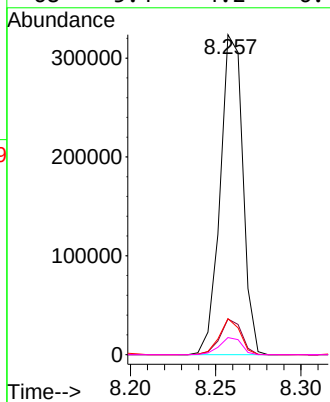
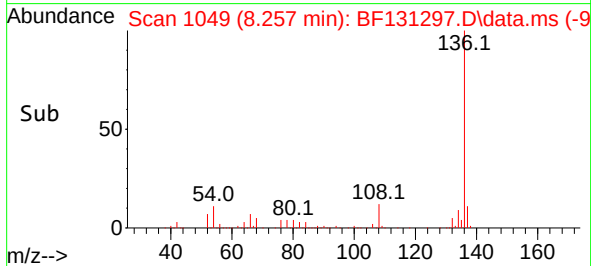
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2022



Tgt Ion:	136	Resp:	298448
Ion Ratio	Lower	Upper	
136	100		
137	11.1	8.6	12.8
54	11.3	8.2	12.2
68	5.4	4.2	6.4

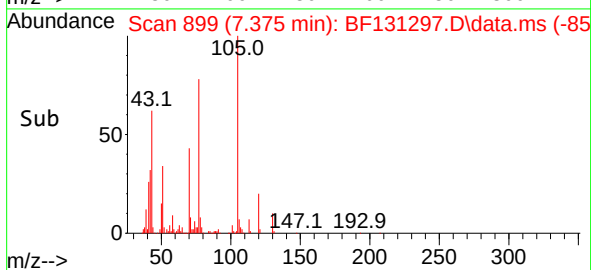
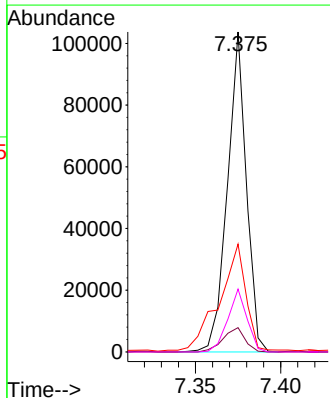
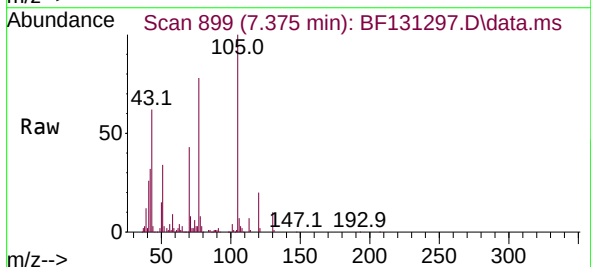
Manual Integrations
APPROVED

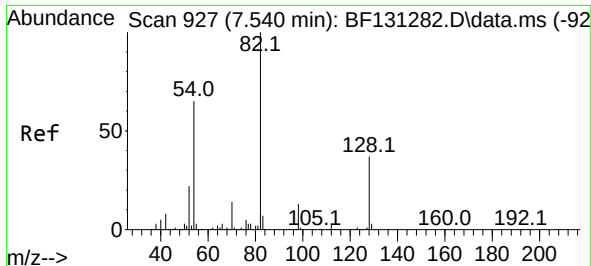
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#22
Acetophenone
Concen: 10.174 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

Tgt Ion:	105	Resp:	80234
Ion Ratio	Lower	Upper	
105	100		
71	7.6	6.4	9.6
51	33.7	28.0	42.0
120	19.6	17.7	26.5





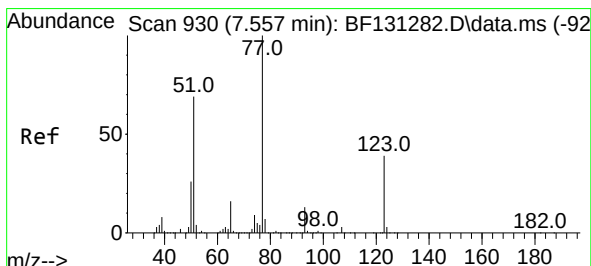
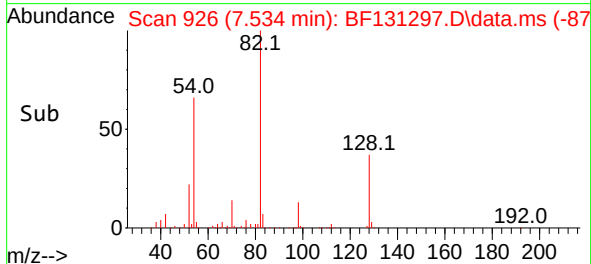
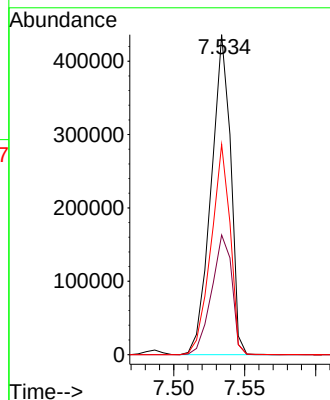
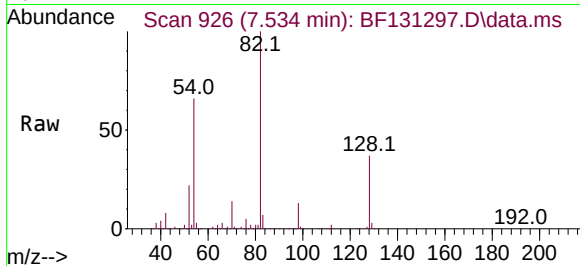
#23
Nitrobenzene-d5
Concen: 74.570 ng
RT: 7.534 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

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

Tgt Ion: 82 Resp: 416632
Ion Ratio Lower Upper
82 100
128 37.4 29.2 43.8
54 65.7 52.2 78.4

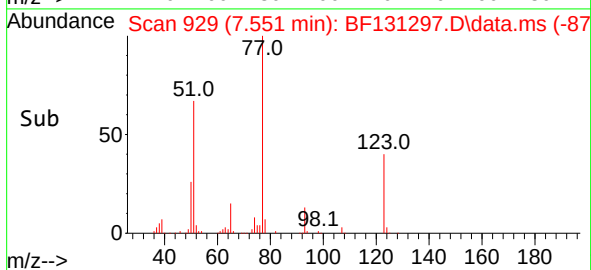
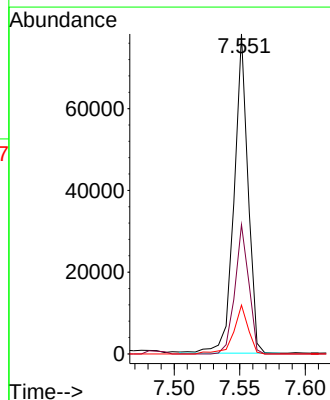
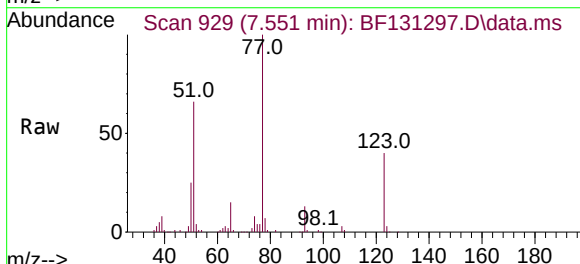
Manual Integrations
APPROVED

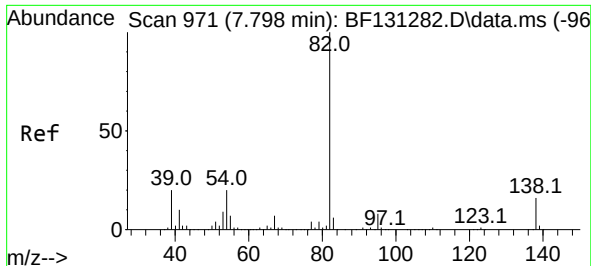
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#24
Nitrobenzene
Concen: 10.171 ng
RT: 7.551 min Scan# 929
Delta R.T. -0.006 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

Tgt Ion: 77 Resp: 57518
Ion Ratio Lower Upper
77 100
123 40.4 31.0 46.6
65 15.2 12.6 19.0





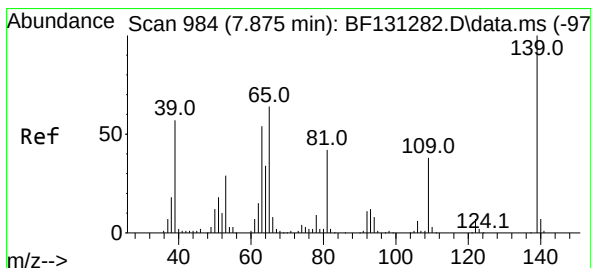
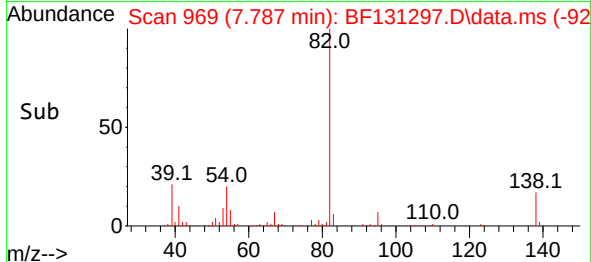
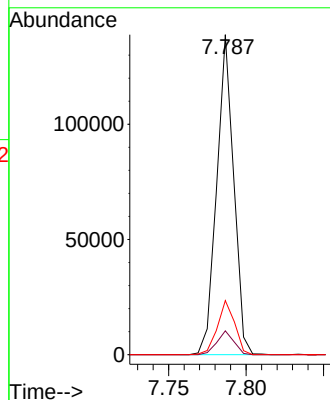
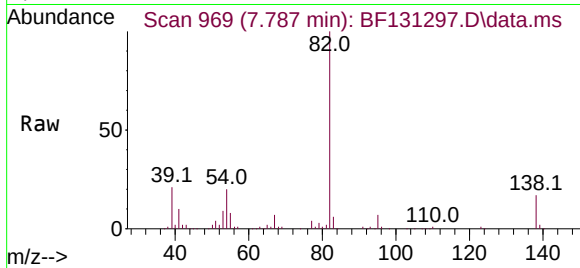
#25
Isophorone
Concen: 9.948 ng
RT: 7.787 min Scan# 90
Delta R.T. -0.011 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

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

Tgt Ion: 82 Resp: 106113
Ion Ratio Lower Upper
82 100
95 7.4 6.6 9.8
138 16.9 13.0 19.6

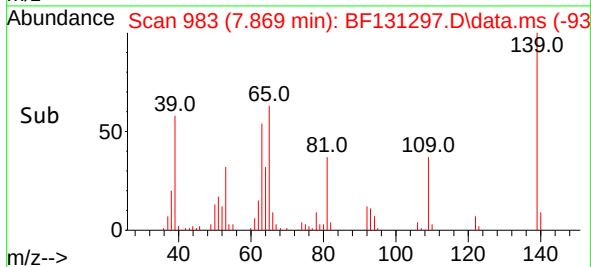
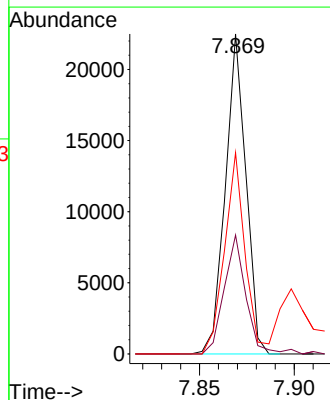
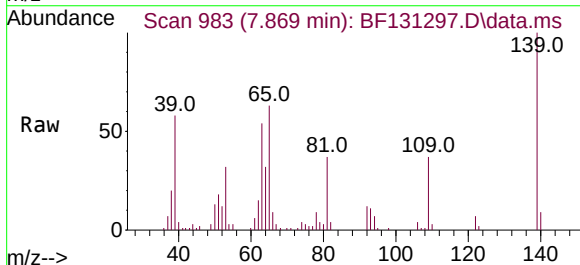
Manual Integrations
APPROVED

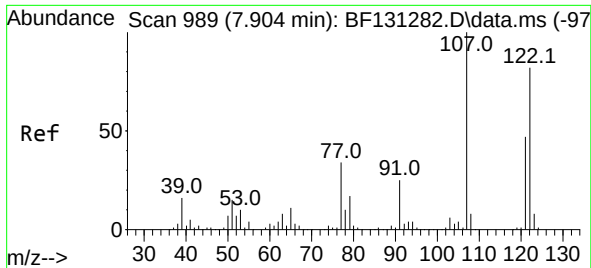
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#26
2-Nitrophenol
Concen: 9.476 ng
RT: 7.869 min Scan# 983
Delta R.T. -0.006 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

Tgt Ion:139 Resp: 16972
Ion Ratio Lower Upper
139 100
109 37.1 30.4 45.6
65 62.9 51.5 77.3





#27

2,4-Dimethylphenol

Concen: 11.389 ng

RT: 7.898 min Scan# 98

Delta R.T. -0.006 min

Lab File: BF131297.D

Acq: 18 Nov 2022 13:49

Instrument :

BNA_F

ClientSampleId :

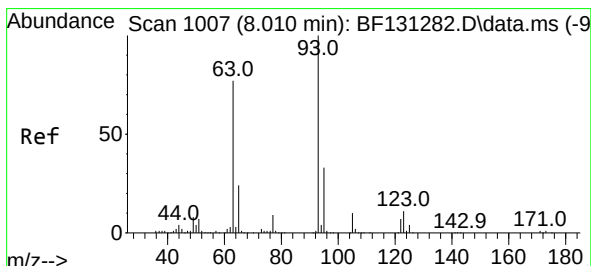
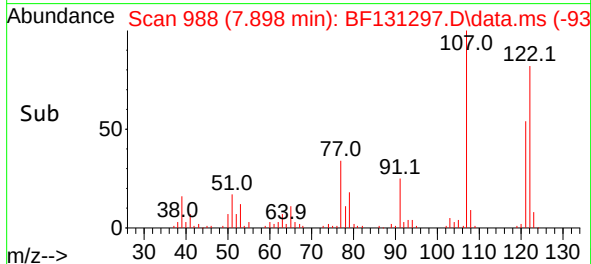
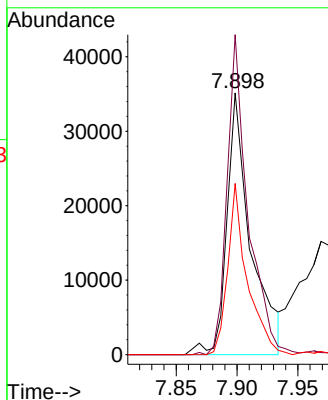
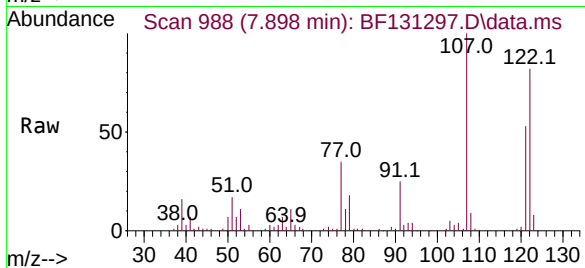
LOQ-SOIL-02-QT4-2022

Tgt Ion:122 Resp: 47763
 Ion Ratio Lower Upper
 122 100
 107 122.3 98.2 147.2
 121 65.4 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: 10.775 ng

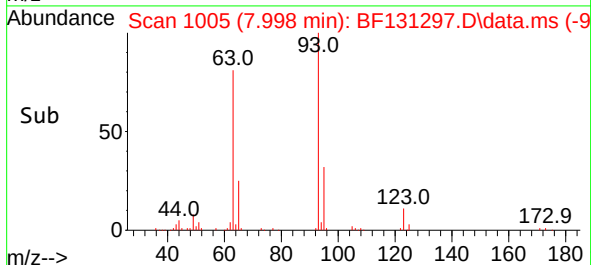
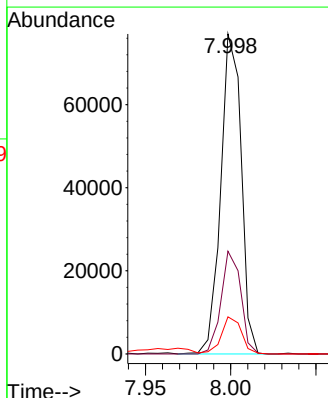
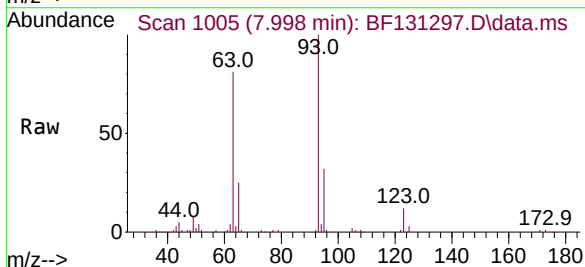
RT: 7.998 min Scan# 1005

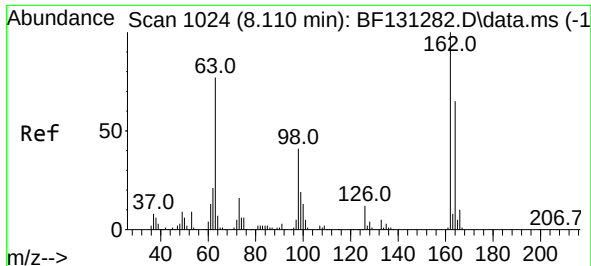
Delta R.T. -0.012 min

Lab File: BF131297.D

Acq: 18 Nov 2022 13:49

Tgt Ion: 93 Resp: 64196
 Ion Ratio Lower Upper
 93 100
 95 32.1 26.4 39.6
 123 11.6 9.3 13.9





#29

2,4-Dichlorophenol

Concen: 9.481 ng

RT: 8.104 min Scan# 1024

Delta R.T. -0.006 min

Lab File: BF131297.D

Acq: 18 Nov 2022 13:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

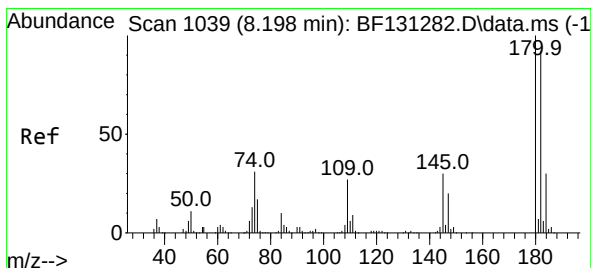
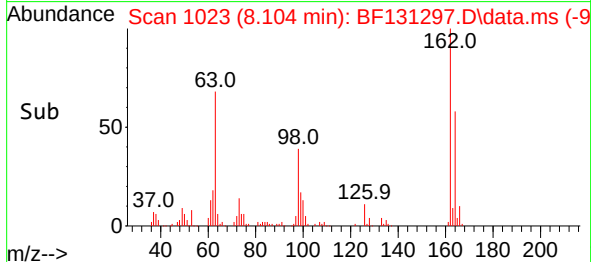
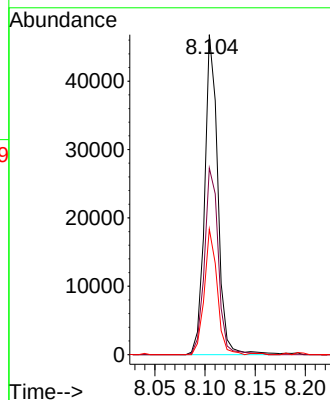
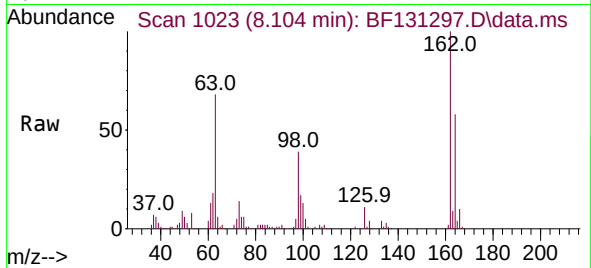
Tgt Ion:162	Resp:	42582
Ion Ratio	Lower	Upper
162	100	
164	58.3	44.7 84.7
98	39.2	21.5 61.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#30

1,2,4-Trichlorobenzene

Concen: 9.379 ng

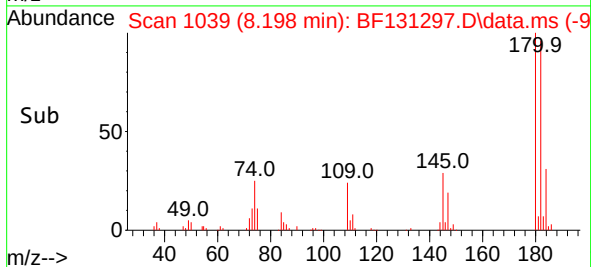
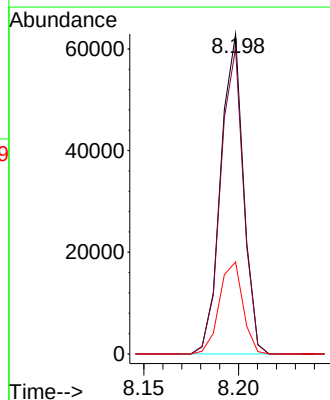
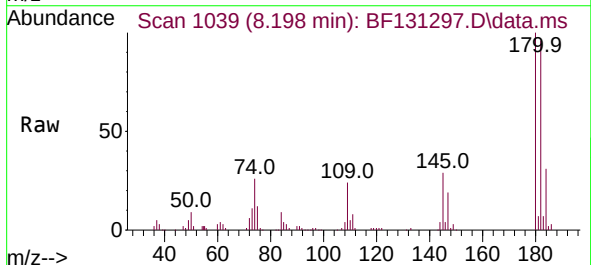
RT: 8.198 min Scan# 1039

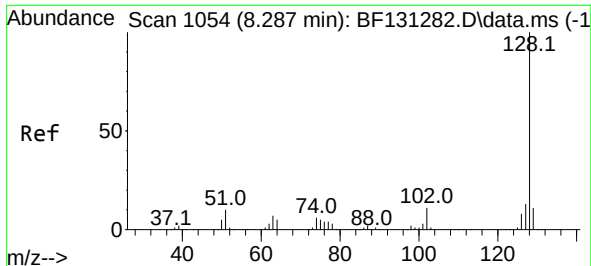
Delta R.T. 0.000 min

Lab File: BF131297.D

Acq: 18 Nov 2022 13:49

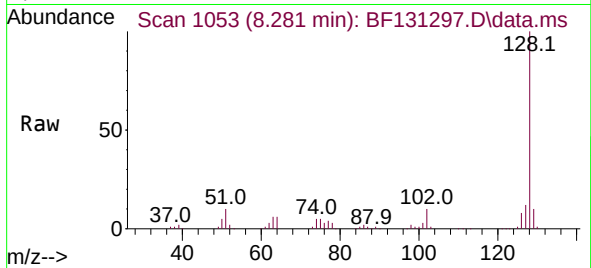
Tgt Ion:180	Resp:	52296
Ion Ratio	Lower	Upper
180	100	
182	95.5	74.0 111.0
145	28.7	23.8 35.6





#31
Naphthalene
Concen: 9.498 ng
RT: 8.281 min Scan# 1053
Delta R.T. -0.006 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

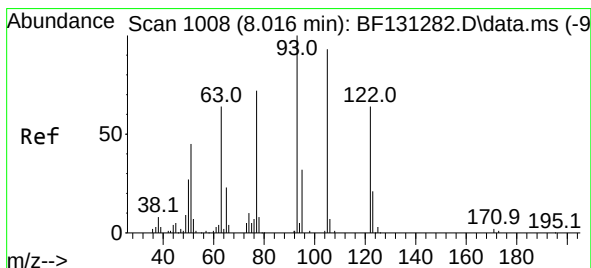
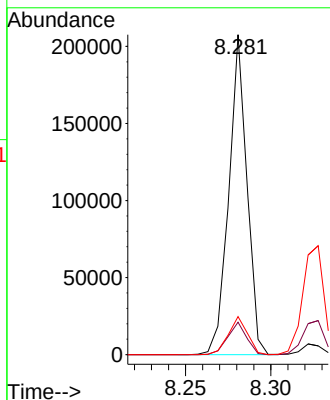
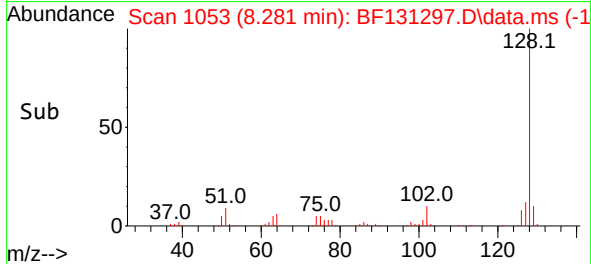
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:128 Resp: 153710
Ion Ratio Lower Upper
128 100
129 10.1 8.6 13.0
127 11.9 10.6 16.0

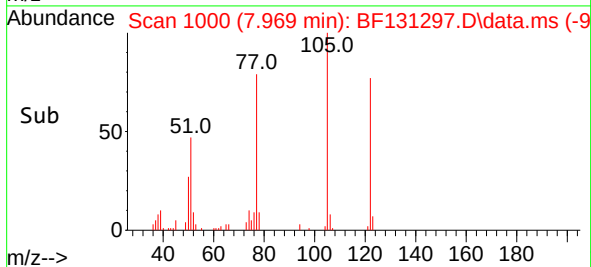
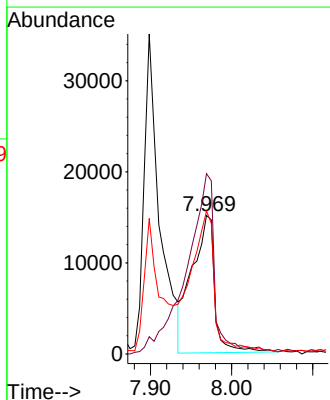
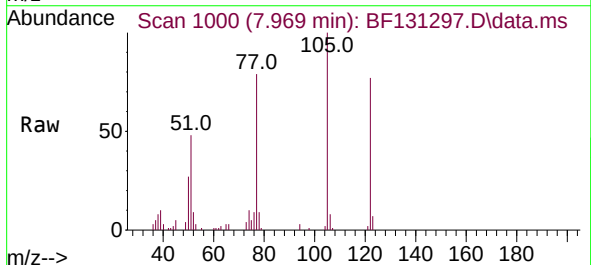
Manual Integrations
APPROVED

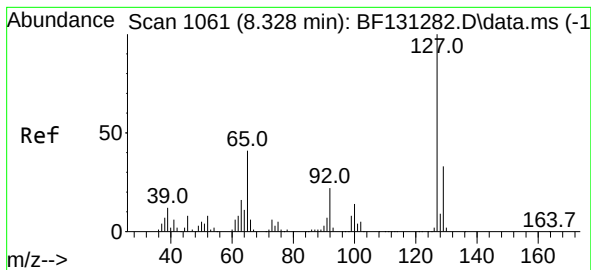
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#32
Benzoic acid
Concen: 11.874 ng
RT: 7.969 min Scan# 1000
Delta R.T. -0.047 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

Tgt Ion:122 Resp: 29789
Ion Ratio Lower Upper
122 100
105 130.3 121.4 161.4
77 103.2 91.2 131.2





#33

4-Chloroaniline

Concen: 9.902 ng

RT: 8.328 min Scan# 1061

Delta R.T. 0.000 min

Lab File: BF131297.D

Acq: 18 Nov 2022 13:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:127 Resp: 62248

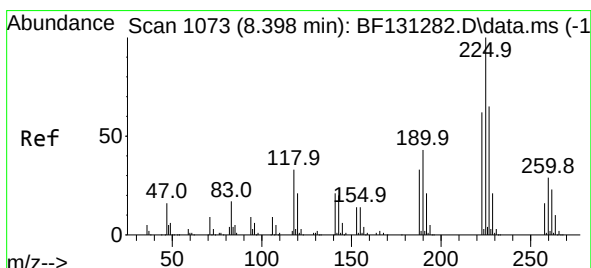
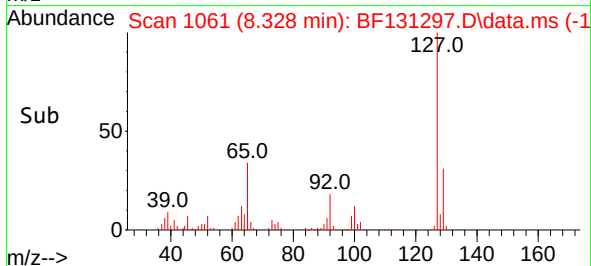
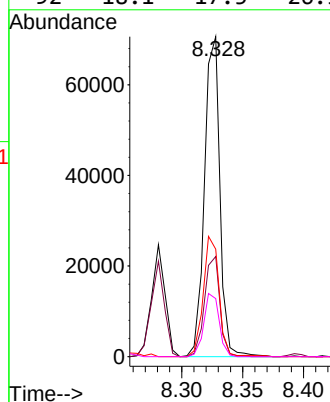
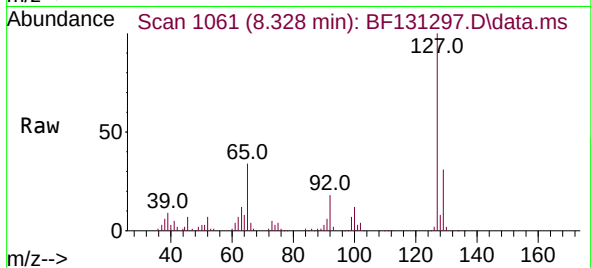
Ion	Ratio	Lower	Upper
127	100		
129	31.3	26.6	40.0
65	33.6	33.2	49.8
92	18.1	17.5	26.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#34

Hexachlorobutadiene

Concen: 9.283 ng

RT: 8.398 min Scan# 1073

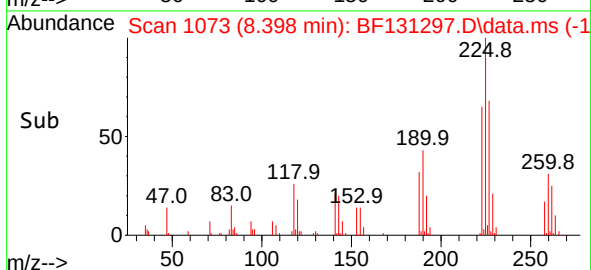
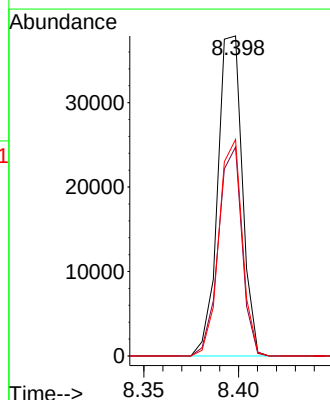
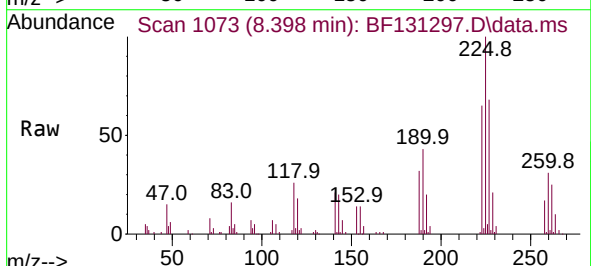
Delta R.T. 0.000 min

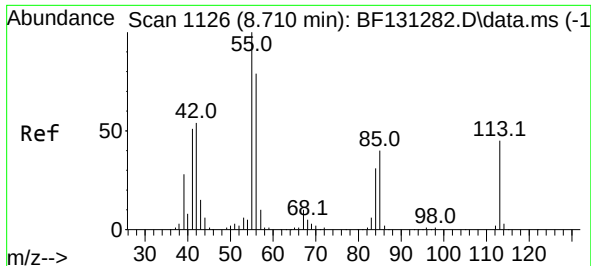
Lab File: BF131297.D

Acq: 18 Nov 2022 13:49

Tgt Ion:225 Resp: 34206

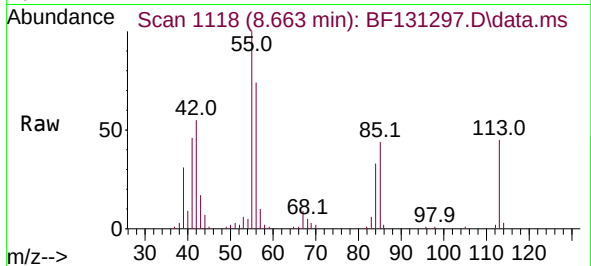
Ion	Ratio	Lower	Upper
225	100		
223	65.3	49.4	74.2
227	67.6	51.7	77.5





#35
 Caprolactam
 Concen: 10.569 ng
 RT: 8.663 min Scan# 1118
 Delta R.T. -0.047 min
 Lab File: BF131297.D
 Acq: 18 Nov 2022 13:49

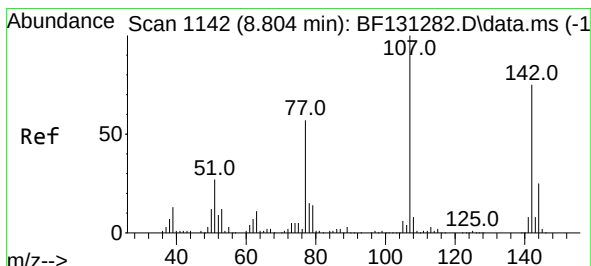
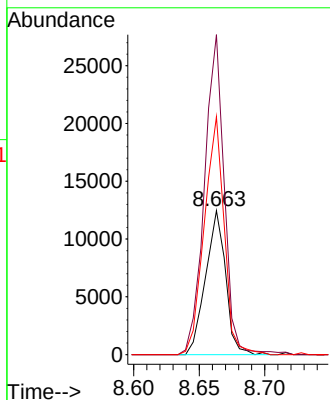
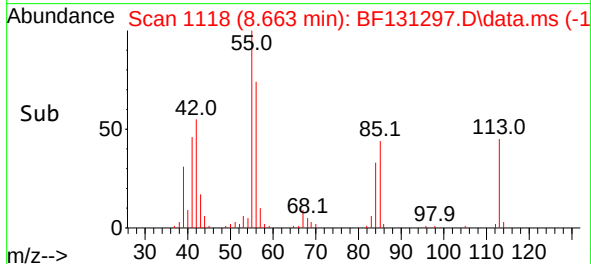
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022



Tgt Ion:113 Resp: 13216
 Ion Ratio Lower Upper
 113 100
 55 222.5 200.6 240.6
 56 165.4 154.5 194.5

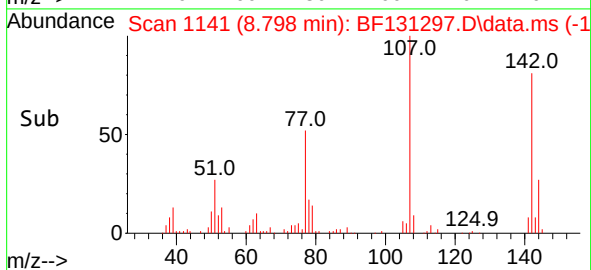
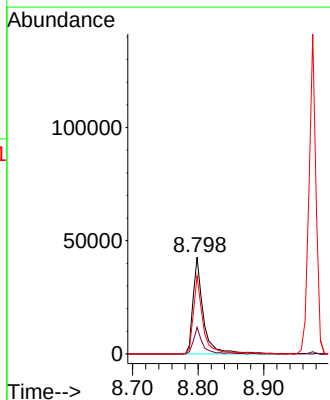
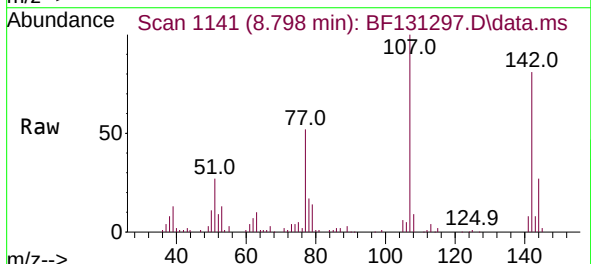
Manual Integrations
 APPROVED

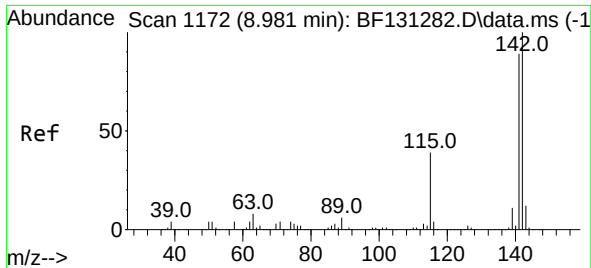
Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022



#36
 4-Chloro-3-methylphenol
 Concen: 9.646 ng
 RT: 8.798 min Scan# 1141
 Delta R.T. -0.006 min
 Lab File: BF131297.D
 Acq: 18 Nov 2022 13:49

Tgt Ion:107 Resp: 46692
 Ion Ratio Lower Upper
 107 100
 144 27.4 19.6 29.4
 142 80.6 60.1 90.1





#37

2-Methylnaphthalene

Concen: 9.599 ng

RT: 8.975 min Scan# 1171

Delta R.T. -0.006 min

Lab File: BF131297.D

Acq: 18 Nov 2022 13:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:142 Resp: 104694

Ion Ratio Lower Upper

142 100

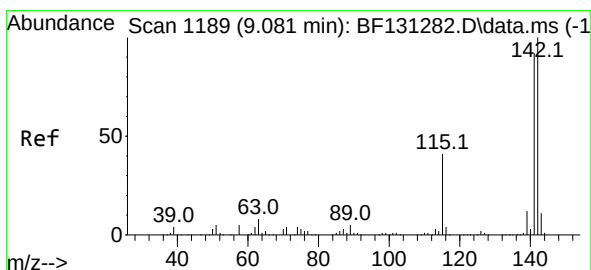
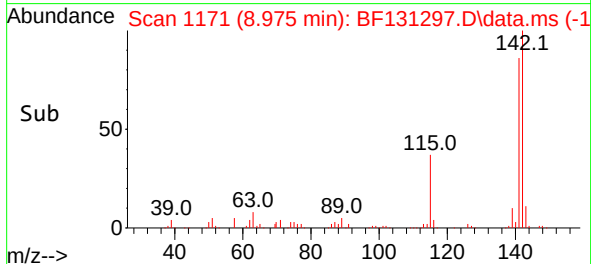
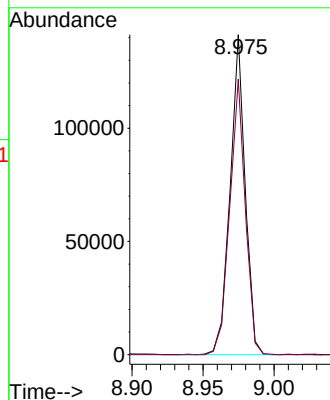
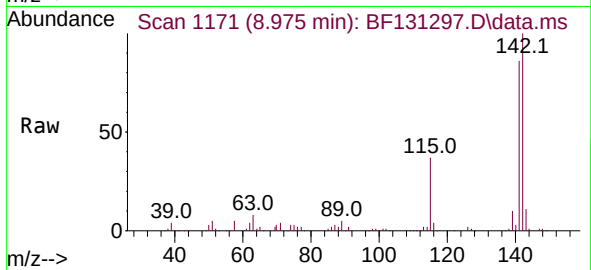
141 86.1 71.4 107.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#38

1-Methylnaphthalene

Concen: 9.435 ng

RT: 9.075 min Scan# 1188

Delta R.T. -0.006 min

Lab File: BF131297.D

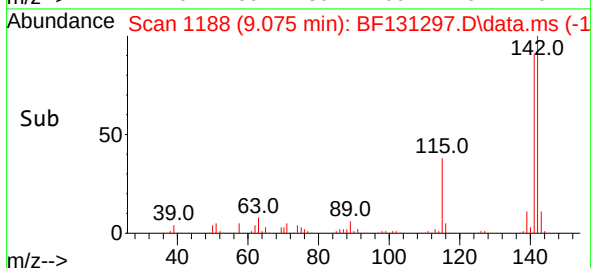
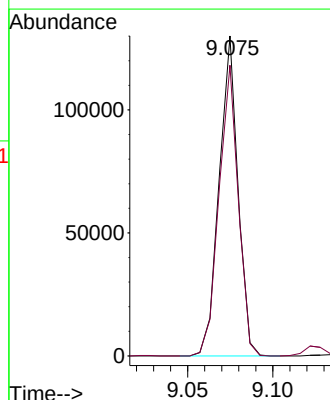
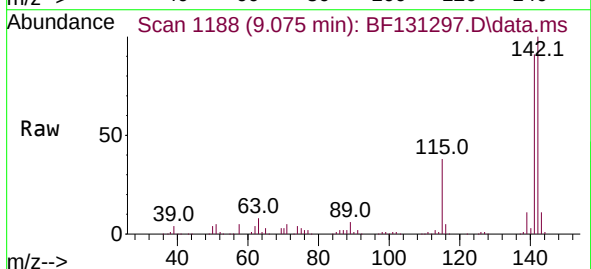
Acq: 18 Nov 2022 13:49

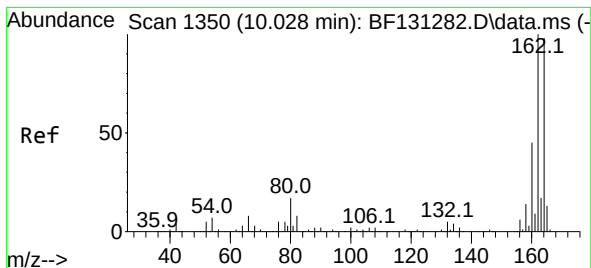
Tgt Ion:142 Resp: 99712

Ion Ratio Lower Upper

142 100

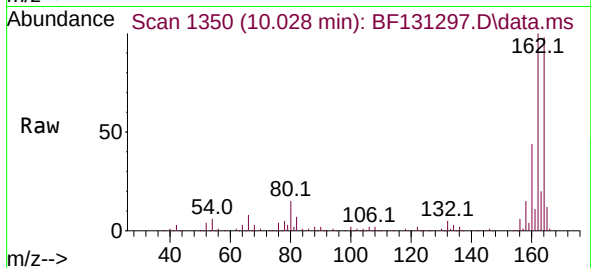
141 90.8 74.0 111.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.028 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

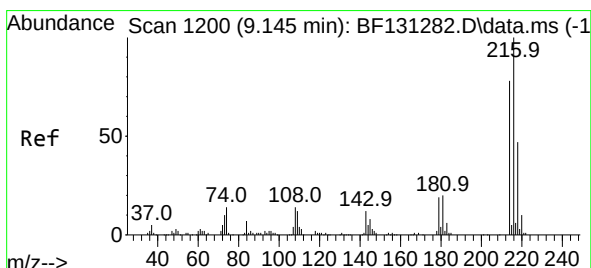
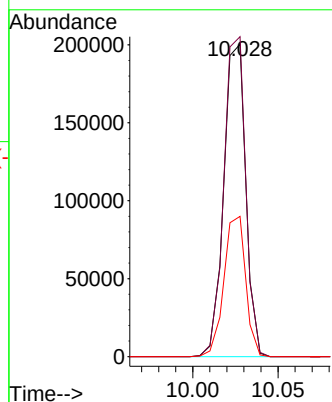
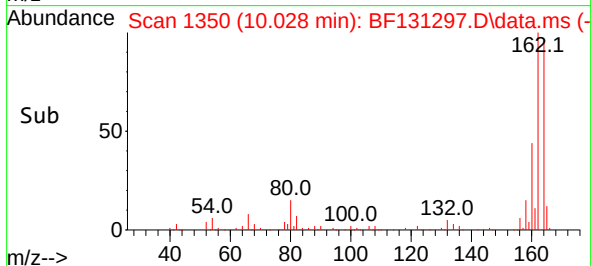
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2022



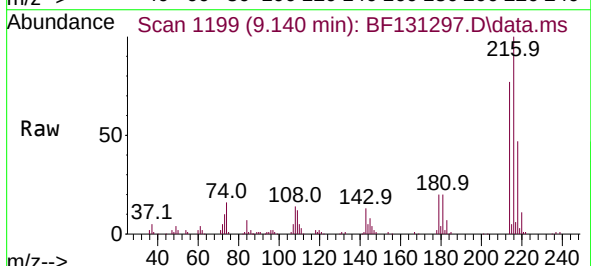
Tgt Ion:164 Resp: 179975
Ion Ratio Lower Upper
164 100
162 102.4 81.8 122.6
160 44.9 36.6 54.8

Manual Integrations
APPROVED

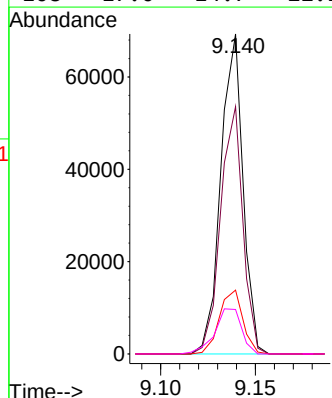
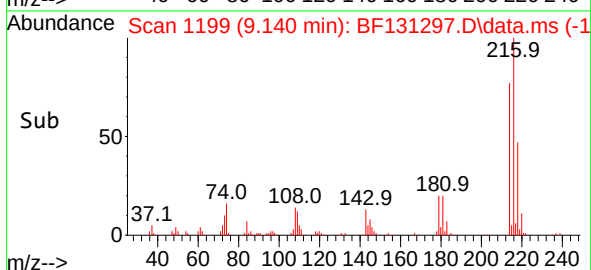
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

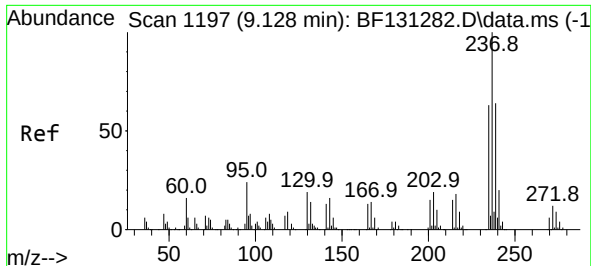


#40
1,2,4,5-Tetrachlorobenzene
Concen: 9.603 ng
RT: 9.140 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49



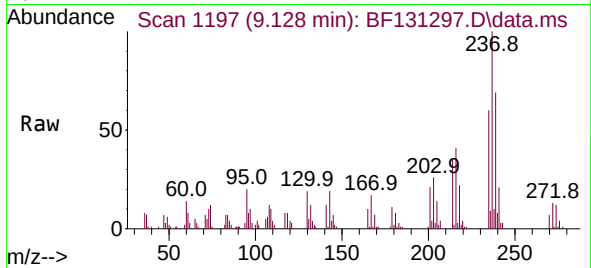
Tgt Ion:216 Resp: 56547
Ion Ratio Lower Upper
216 100
214 77.7 62.5 93.7
179 21.2 16.7 25.1
108 17.0 14.7 22.1





#41
Hexachlorocyclopentadiene
Concen: 9.367 ng
RT: 9.128 min Scan# 1197
Delta R.T. -0.000 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

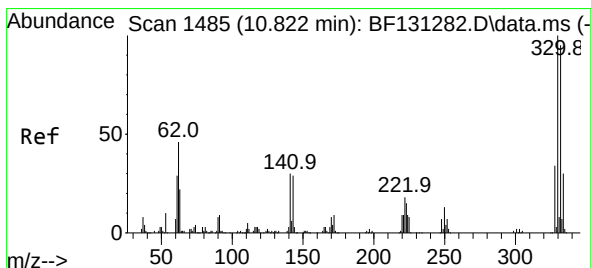
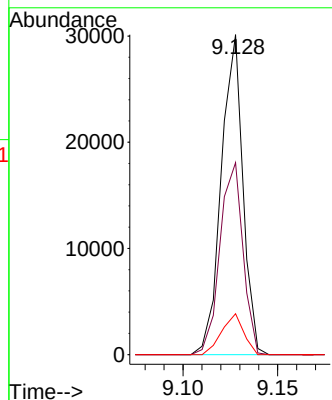
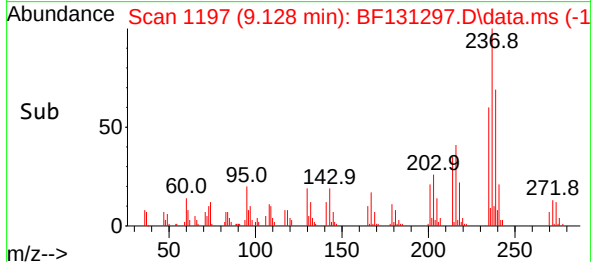
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



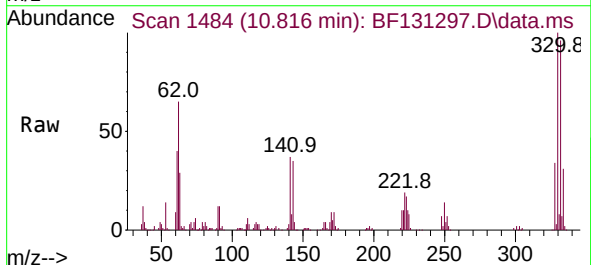
Tgt Ion: 237 Resp: 2386
Ion Ratio Lower Upper
237 100
235 60.0 42.7 82.7
272 12.8 0.0 31.6

Manual Integrations
APPROVED

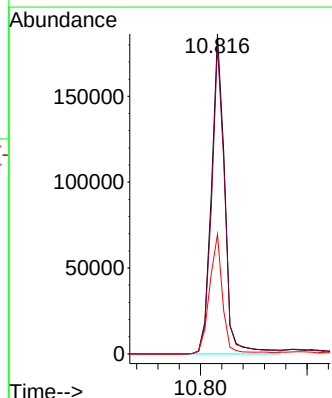
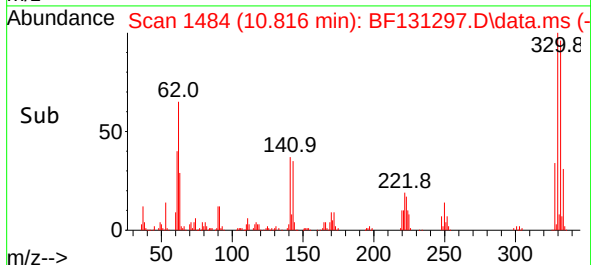
Reviewed By : Christian Giraldo 11/21/2022
Supervised By : Jagrut Upadhyay 11/21/2022

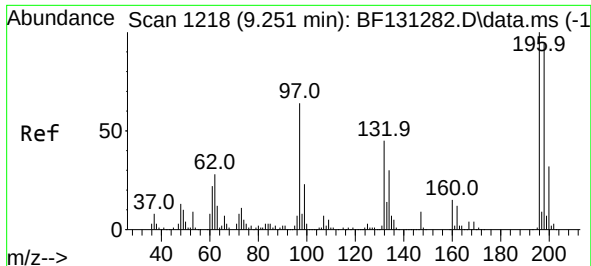


#42
2,4,6-Tribromophenol
Concen: 100.952 ng
RT: 10.816 min Scan# 1484
Delta R.T. -0.006 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49



Tgt Ion: 330 Resp: 161739
Ion Ratio Lower Upper
330 100
332 95.2 75.4 113.0
141 36.9 30.0 45.0





#43

2,4,6-Trichlorophenol

Concen: 6.818 ng

RT: 9.251 min Scan# 1218

Delta R.T. 0.000 min

Lab File: BF131297.D

Acq: 18 Nov 2022 13:49

Instrument :

BNA_F

ClientSampleId :

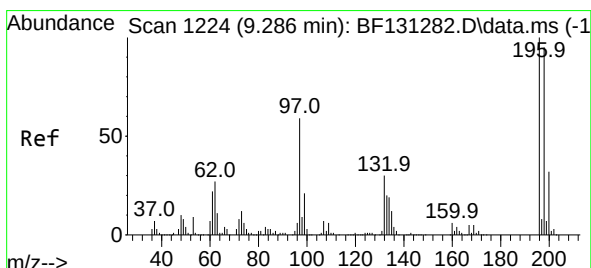
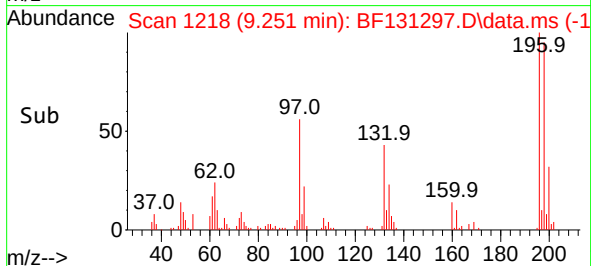
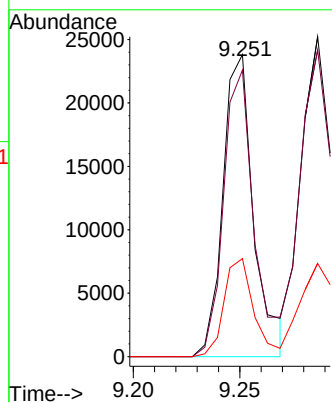
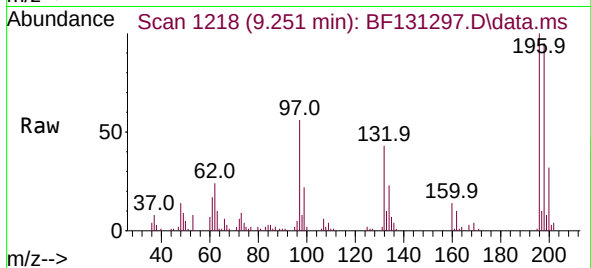
LOQ-SOIL-02-QT4-2022

Tgt Ion:196	Resp:	2387
Ion Ratio	Lower	Upper
196	100	
198	94.9	74.8 112.2
200	32.5	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: 9.873 ng

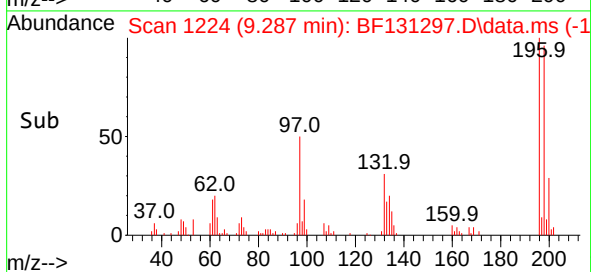
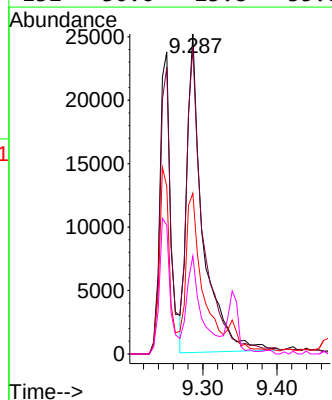
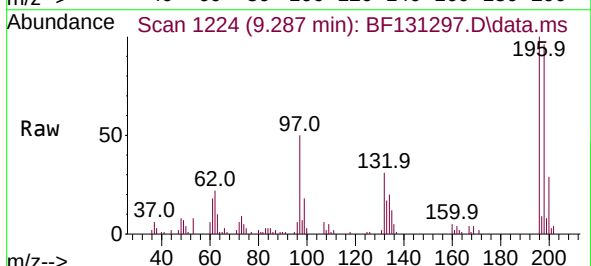
RT: 9.287 min Scan# 1224

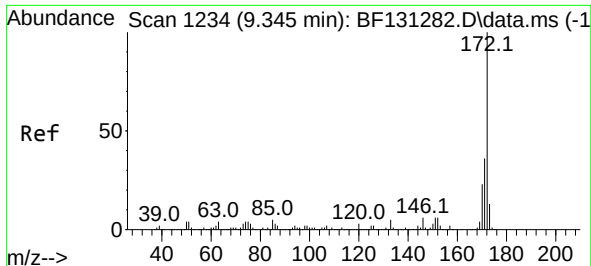
Delta R.T. 0.000 min

Lab File: BF131297.D

Acq: 18 Nov 2022 13:49

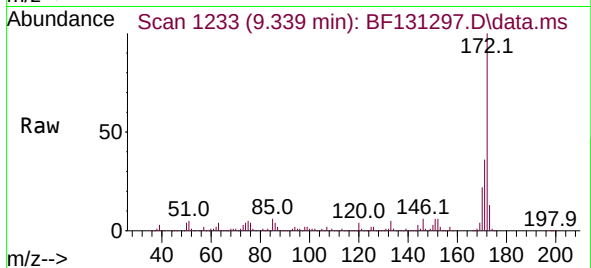
Tgt Ion:196	Resp:	37663
Ion Ratio	Lower	Upper
196	100	
198	95.8	75.6 113.4
97	50.2	47.4 71.0
132	30.6	23.8 35.8





#45
2-Fluorobiphenyl
Concen: 67.744 ng
RT: 9.339 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

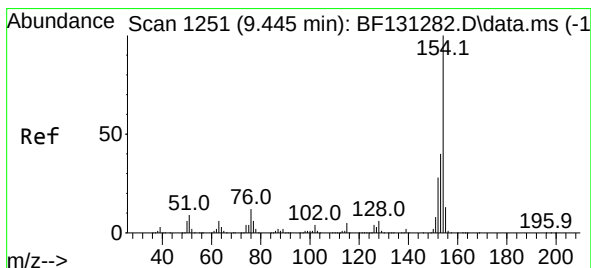
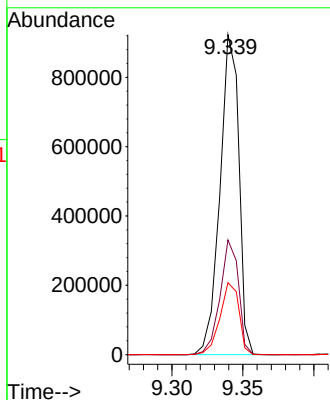
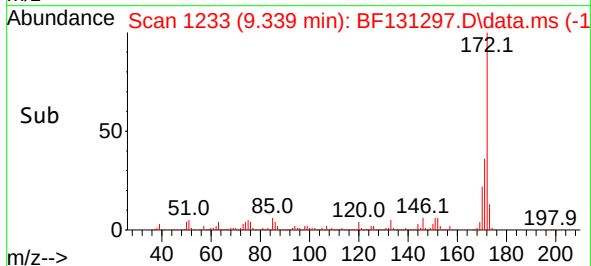
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



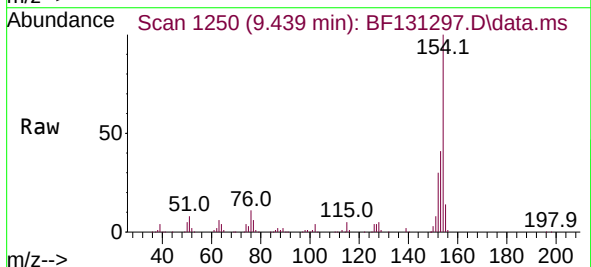
Tgt Ion:172 Resp: 853642
Ion Ratio Lower Upper
172 100
171 35.8 28.5 42.7
170 22.5 18.5 27.7

Manual Integrations
APPROVED

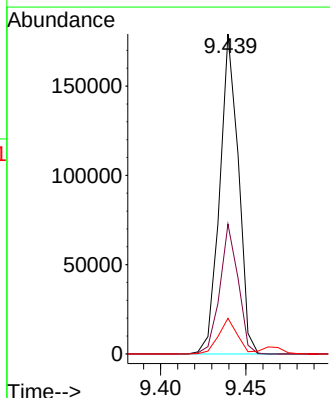
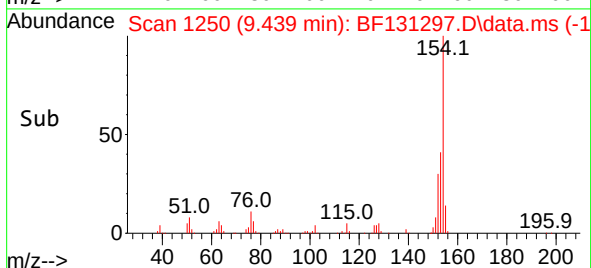
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

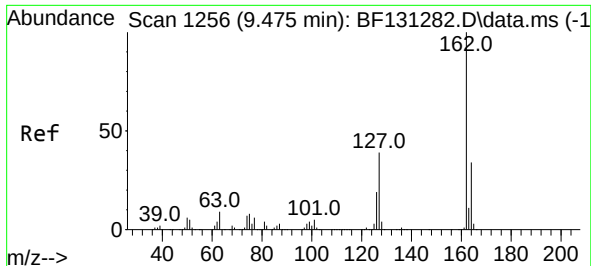


#46
1,1'-Biphenyl
Concen: 9.809 ng
RT: 9.439 min Scan# 1250
Delta R.T. -0.006 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49



Tgt Ion:154 Resp: 136326
Ion Ratio Lower Upper
154 100
153 40.6 20.1 60.1
76 11.1 0.0 31.8





#47

2-Chloronaphthalene

Concen: 9.341 ng

RT: 9.469 min Scan# 1255

Delta R.T. -0.006 min

Lab File: BF131297.D

Acq: 18 Nov 2022 13:49

Instrument :

BNA_F

ClientSampleId :

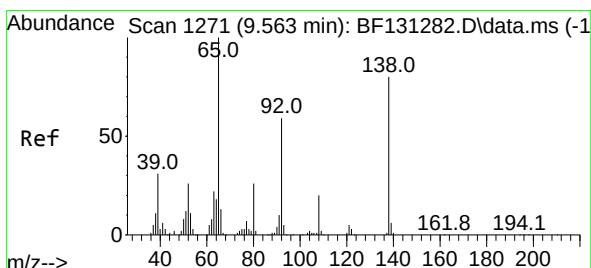
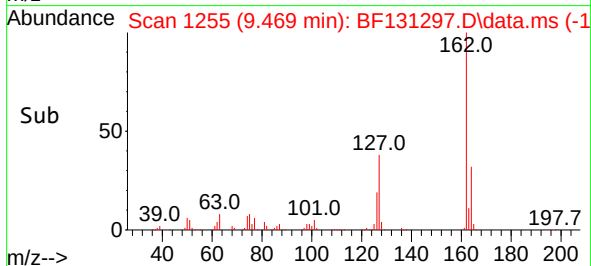
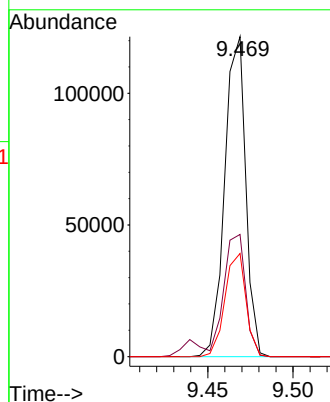
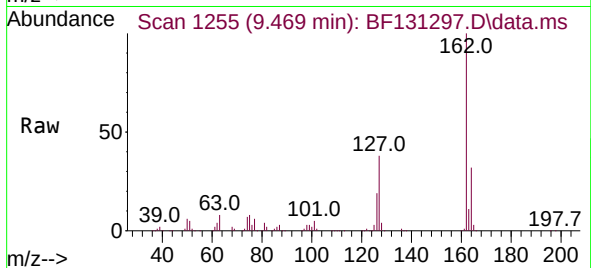
LOQ-SOIL-02-QT4-2022

Tgt Ion:162	Resp: 104229
Ion Ratio	Lower Upper
162	100
127	38.2 31.1 46.7
164	32.2 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: 8.884 ng

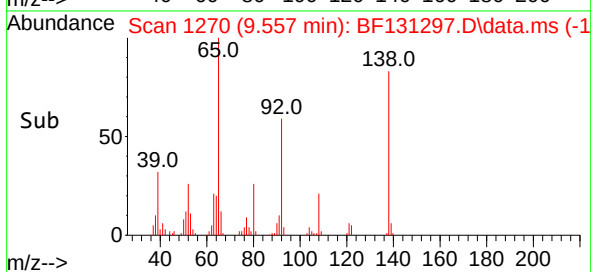
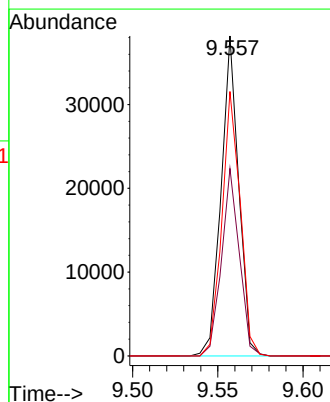
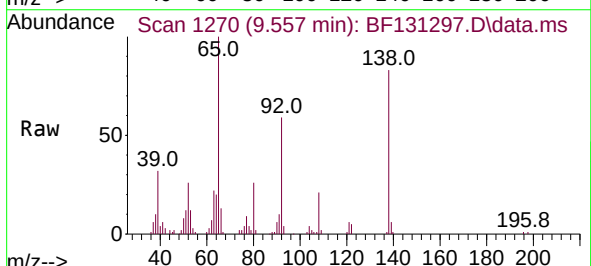
RT: 9.557 min Scan# 1270

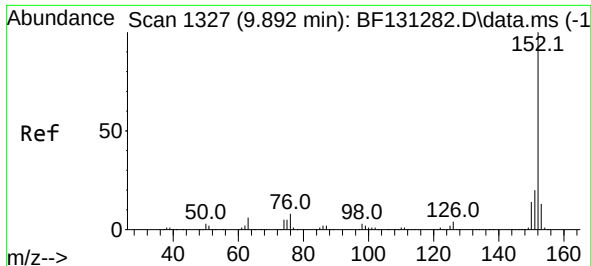
Delta R.T. -0.006 min

Lab File: BF131297.D

Acq: 18 Nov 2022 13:49

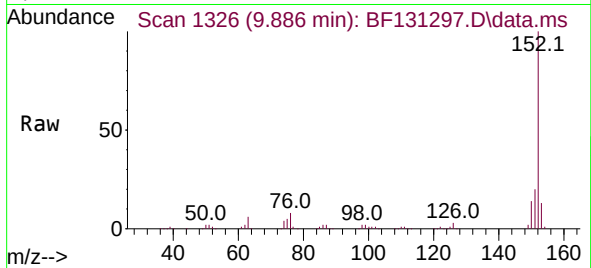
Tgt Ion: 65	Resp: 27401
Ion Ratio	Lower Upper
65	100
92	58.6 47.2 70.8
138	82.6 64.2 96.4





#49
Acenaphthylene
Concen: 9.471 ng
RT: 9.886 min Scan# 1327
Delta R.T. -0.005 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

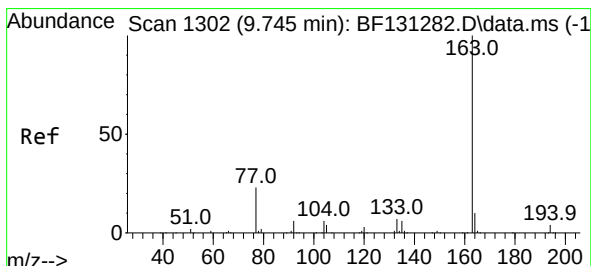
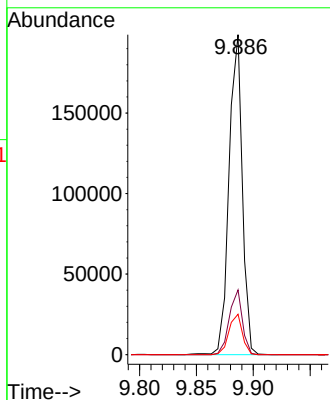
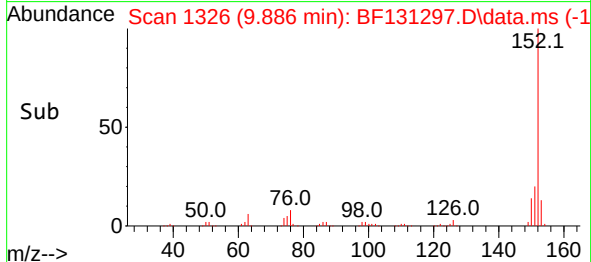
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



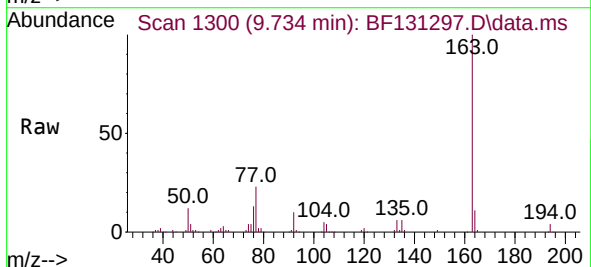
Tgt Ion:152 Resp: 161425
Ion Ratio Lower Upper
152 100
151 20.2 15.9 23.9
153 12.6 10.4 15.6

Manual Integrations
APPROVED

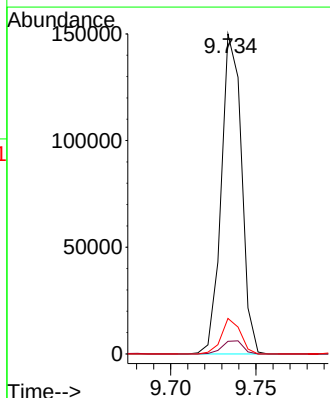
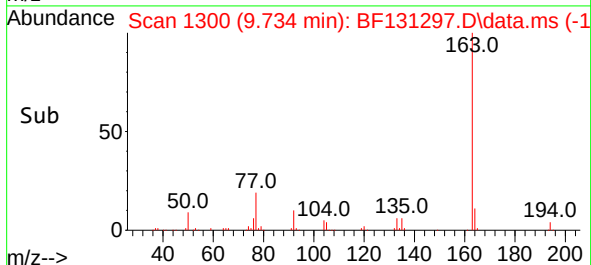
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

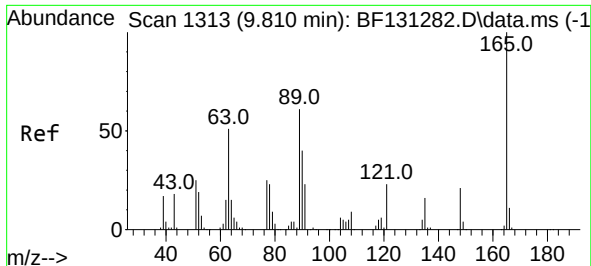


#50
Dimethylphthalate
Concen: 9.475 ng
RT: 9.734 min Scan# 1300
Delta R.T. -0.011 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49



Tgt Ion:163 Resp: 123476
Ion Ratio Lower Upper
163 100
194 3.9 3.1 4.7
164 11.1 8.4 12.6





#51

2,6-Dinitrotoluene

Concen: 9.822 ng

RT: 9.798 min Scan# 1311

Delta R.T. -0.012 min

Lab File: BF131297.D

Acq: 18 Nov 2022 13:49

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

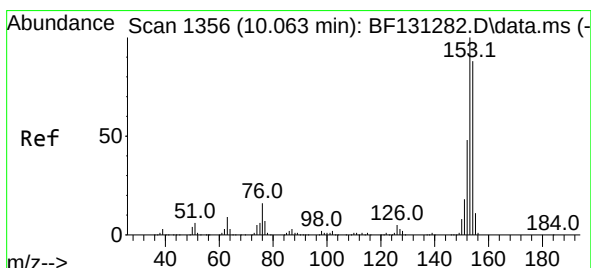
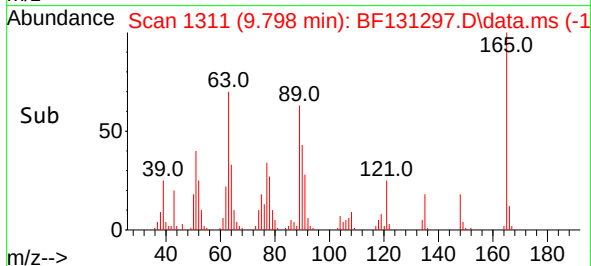
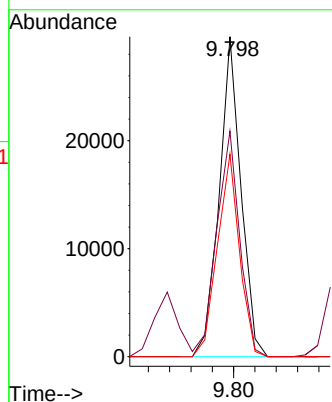
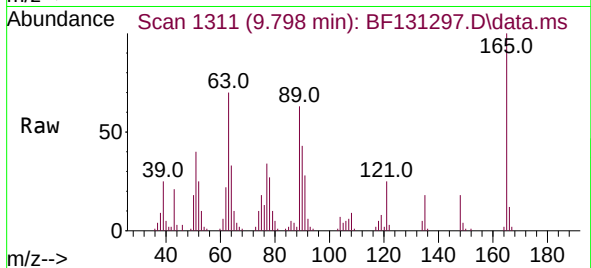
Tgt Ion:	165	Resp:	21026
Ion Ratio	Lower	Upper	
165	100		
63	70.5	53.3	79.9
89	63.3	49.4	74.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#52

Acenaphthene

Concen: 9.670 ng

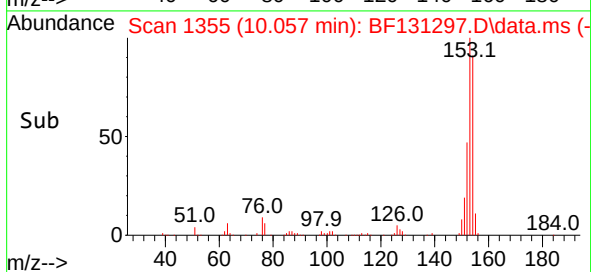
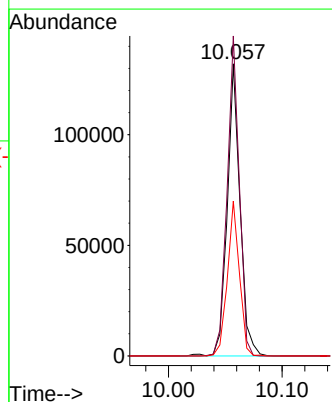
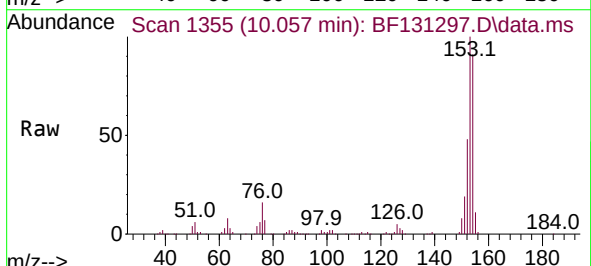
RT: 10.057 min Scan# 1355

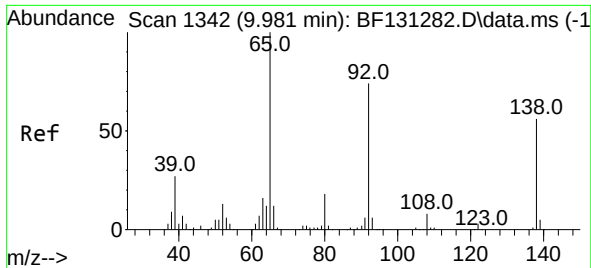
Delta R.T. -0.006 min

Lab File: BF131297.D

Acq: 18 Nov 2022 13:49

Tgt Ion:	154	Resp:	102841
Ion Ratio	Lower	Upper	
154	100		
153	109.5	90.7	136.1
152	53.0	43.1	64.7





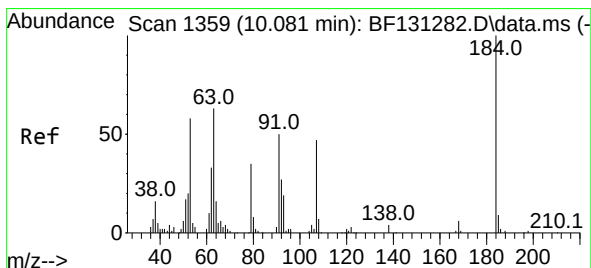
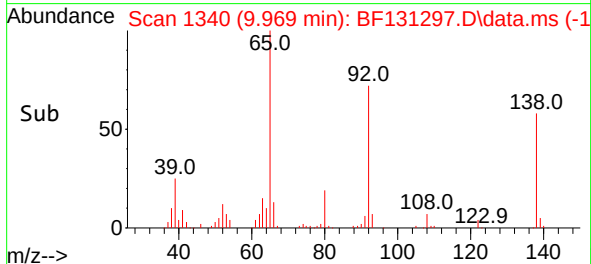
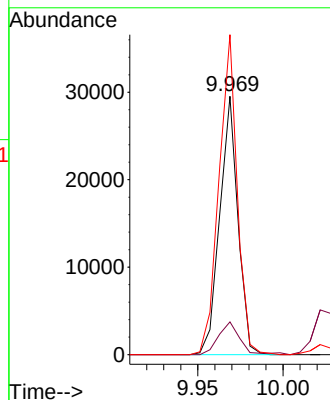
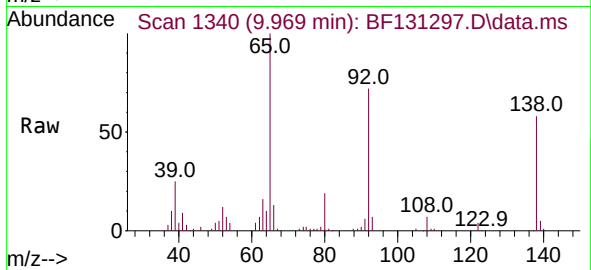
#53
3-Nitroaniline
Concen: 9.664 ng
RT: 9.969 min Scan# 1342
Delta R.T. -0.012 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

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

Tgt Ion:138 Resp: 21895
Ion Ratio Lower Upper
138 100
108 12.7 11.1 16.7
92 123.9 105.4 158.2

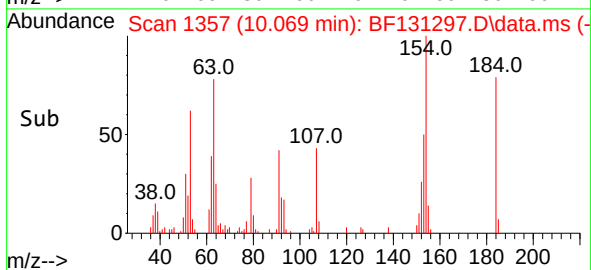
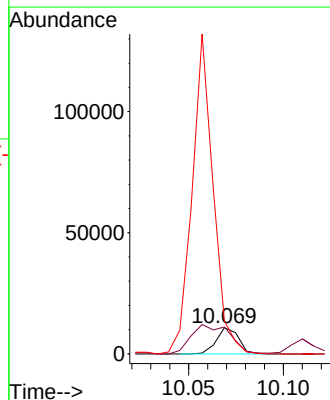
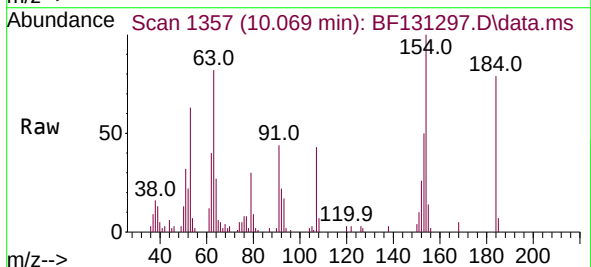
Manual Integrations
APPROVED

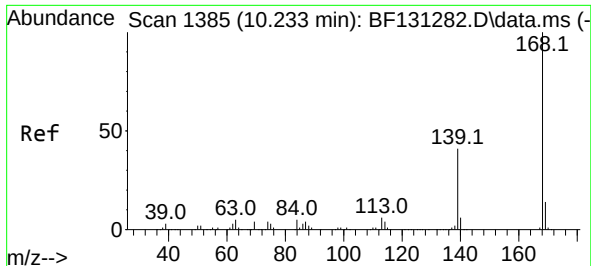
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#54
2,4-Dinitrophenol
Concen: 11.614 ng
RT: 10.069 min Scan# 1357
Delta R.T. -0.012 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

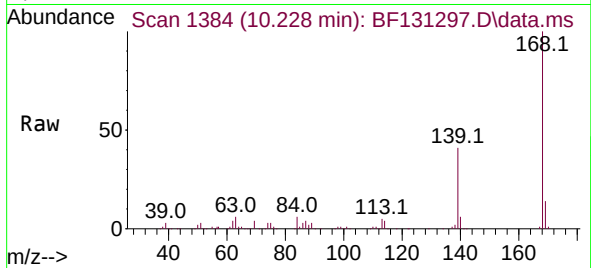
Tgt Ion:184 Resp: 8758
Ion Ratio Lower Upper
184 100
63 103.0 64.8 97.2#
154 125.9 58.0 87.0#





#55
Dibenzenofuran
Concen: 9.601 ng
RT: 10.228 min Scan# 1384
Delta R.T. -0.005 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

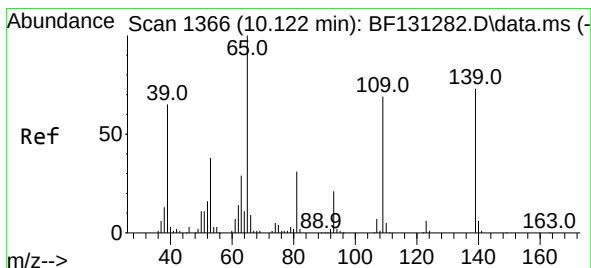
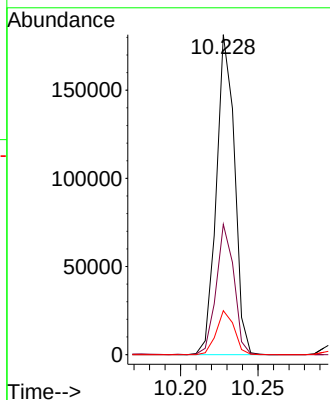
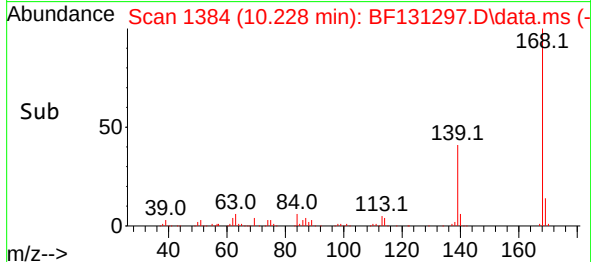
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2022



Tgt Ion:168 Resp: 148064
Ion Ratio Lower Upper
168 100
139 40.7 33.2 49.8
169 13.7 11.0 16.4

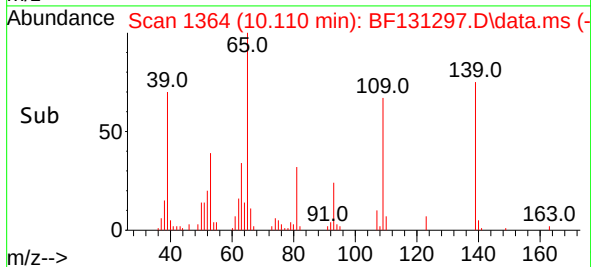
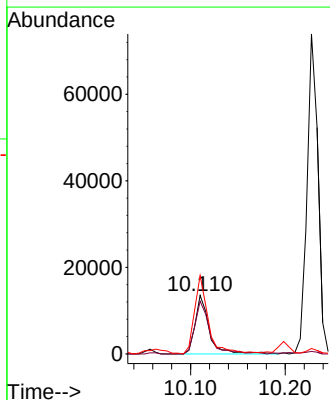
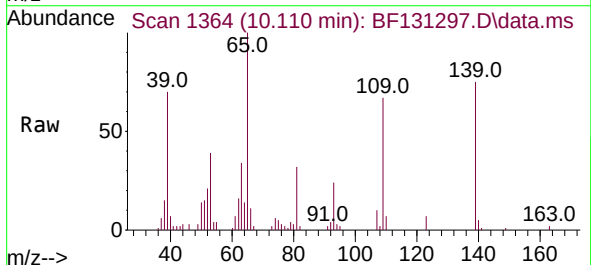
Manual Integrations
APPROVED

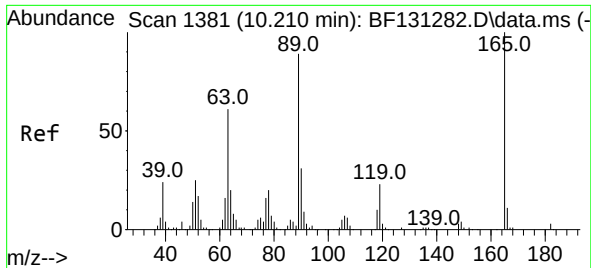
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#56
4-Nitrophenol
Concen: 8.129 ng
RT: 10.110 min Scan# 1364
Delta R.T. -0.012 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

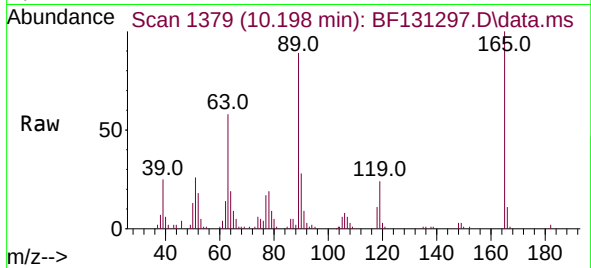
Tgt Ion:139 Resp: 13858
Ion Ratio Lower Upper
139 100
109 90.3 74.2 114.2
65 134.2 116.8 156.8





#57
2,4-Dinitrotoluene
Concen: 9.700 ng
RT: 10.198 min Scan# 1381
Delta R.T. -0.012 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

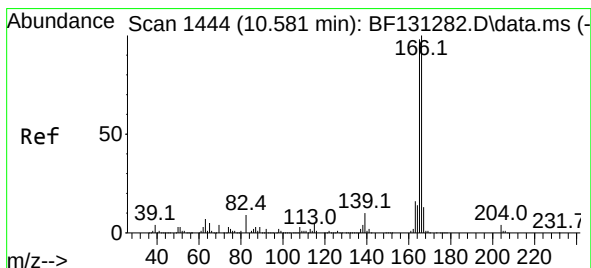
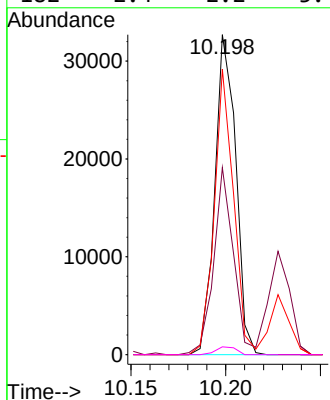
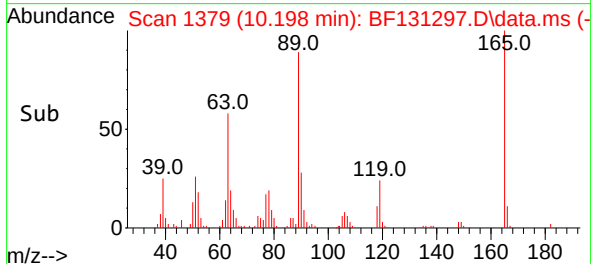
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



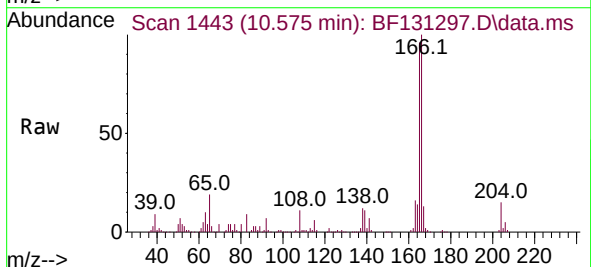
Tgt Ion:165 Resp: 25107
Ion Ratio Lower Upper
165 100
63 58.4 49.0 73.6
89 89.2 71.1 106.7
182 2.4 2.2 3.4

Manual Integrations
APPROVED

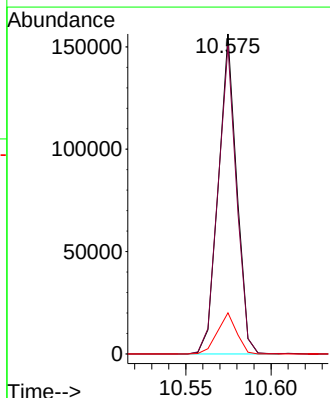
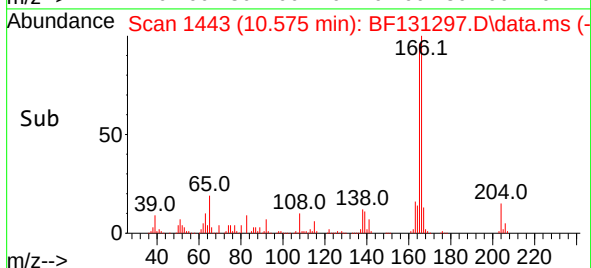
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

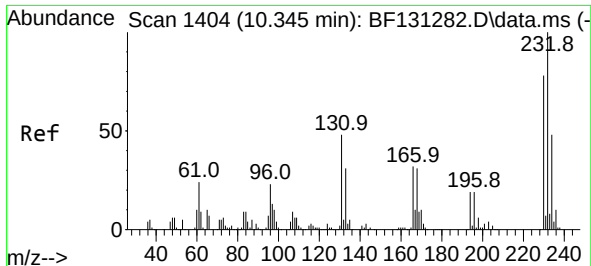


#58
Fluorene
Concen: 9.495 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49



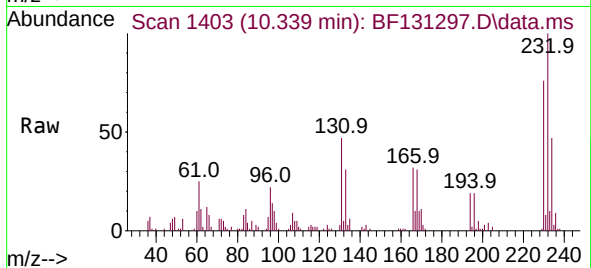
Tgt Ion:166 Resp: 116288
Ion Ratio Lower Upper
166 100
165 96.3 78.2 117.2
167 12.8 10.6 15.8





#59
2,3,4,6-Tetrachlorophenol
Concen: 8.029 ng
RT: 10.339 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

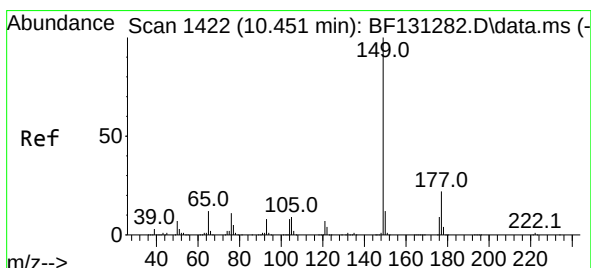
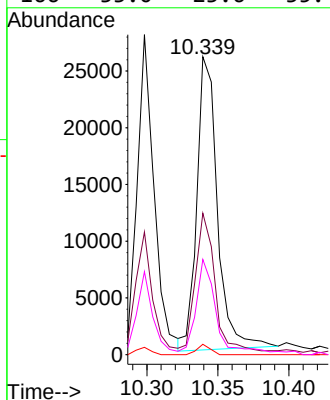
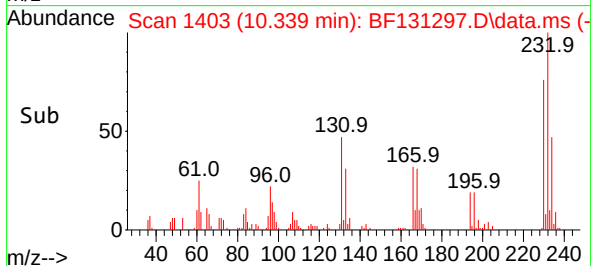
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:232 Resp: 25945
Ion Ratio Lower Upper
232 100
131 44.4 36.0 54.0
130 2.2 1.8 2.6
166 33.0 23.6 35.4

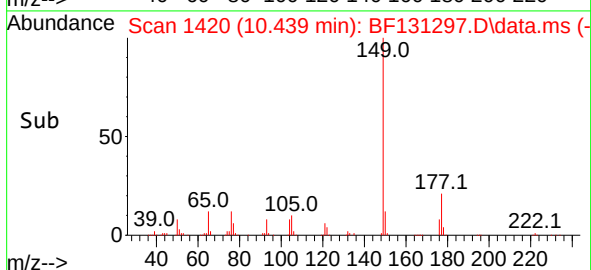
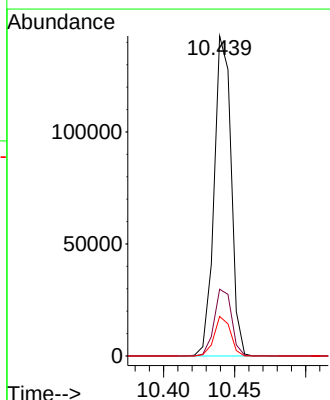
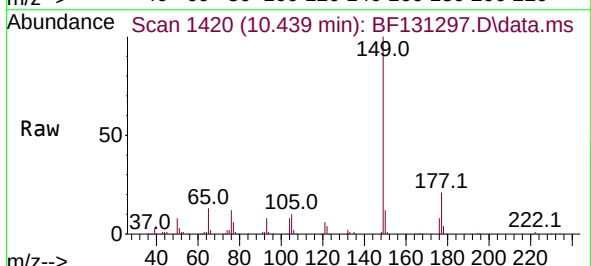
Manual Integrations
APPROVED

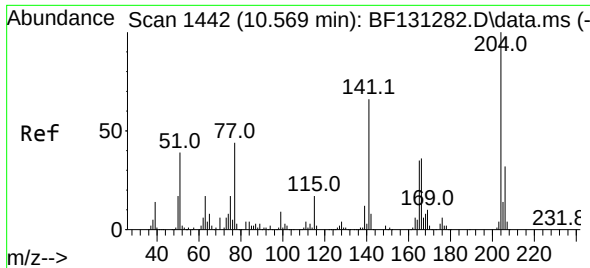
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#60
Diethylphthalate
Concen: 9.569 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.012 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

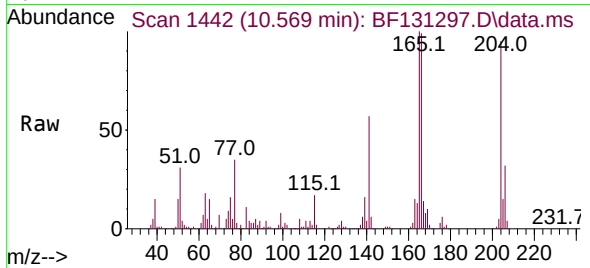
Tgt Ion:149 Resp: 118973
Ion Ratio Lower Upper
149 100
177 20.8 17.9 26.9
150 12.3 9.8 14.6





#61
4-Chlorophenyl-phenylether
Concen: 9.742 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.000 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

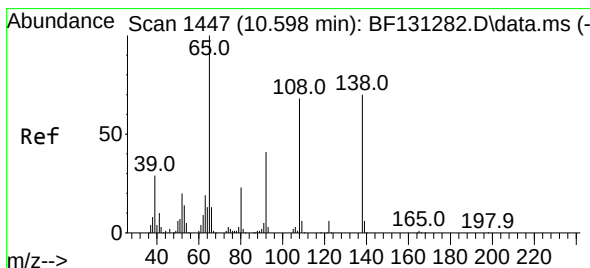
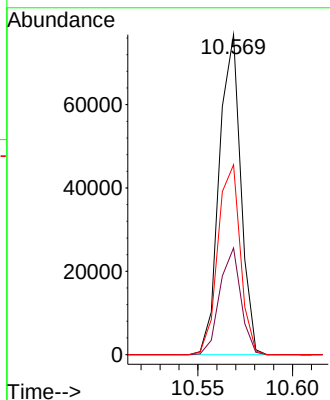
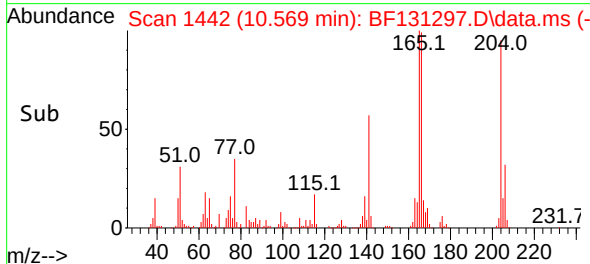
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



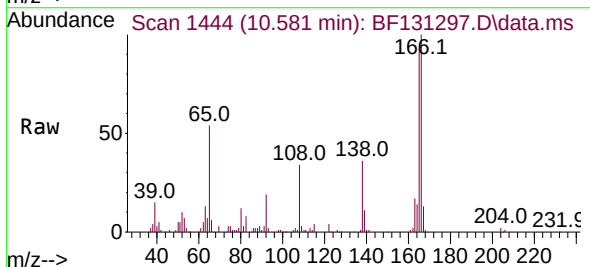
Tgt Ion:204 Resp: 60482
Ion Ratio Lower Upper
204 100
206 33.3 25.7 38.5
141 59.3 53.1 79.7

Manual Integrations
APPROVED

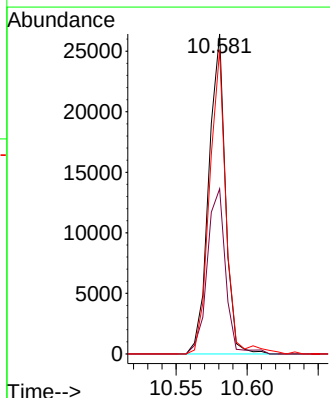
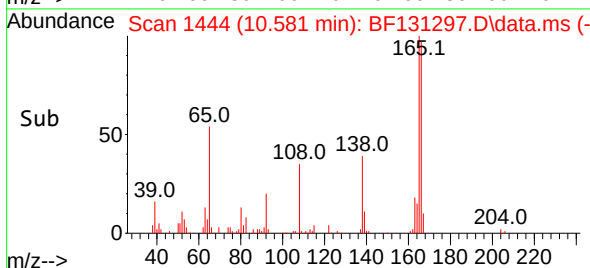
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

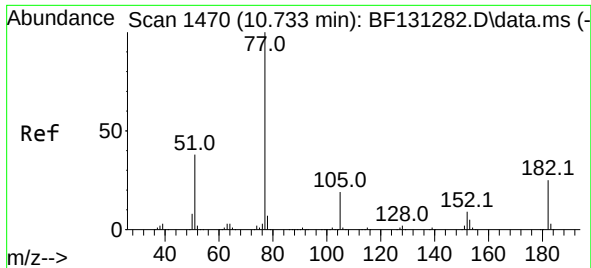


#62
4-Nitroaniline
Concen: 9.318 ng
RT: 10.581 min Scan# 1444
Delta R.T. -0.017 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49



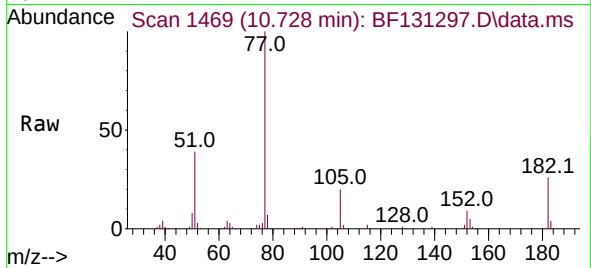
Tgt Ion:138 Resp: 21448
Ion Ratio Lower Upper
138 100
92 51.6 37.5 77.5
108 95.0 76.3 116.3





#63
Azobenzene
Concen: 9.347 ng
RT: 10.728 min Scan# 1470
Delta R.T. -0.006 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

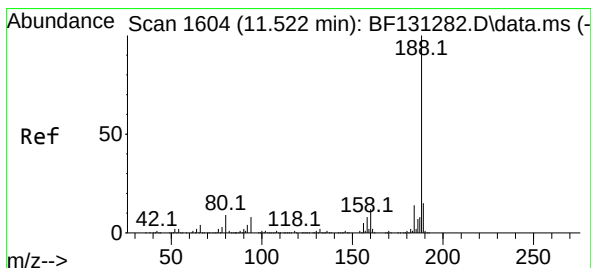
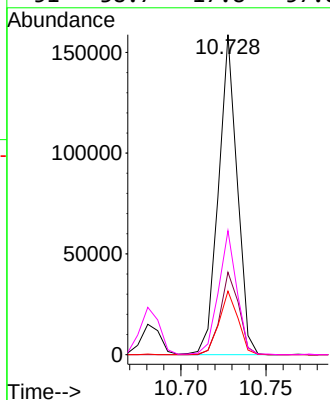
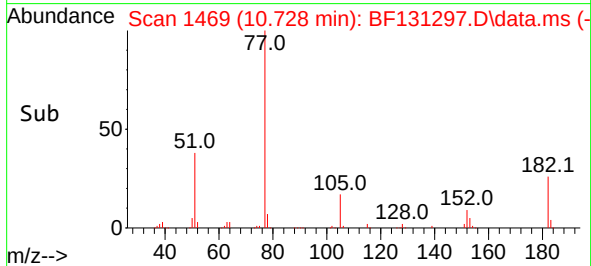
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



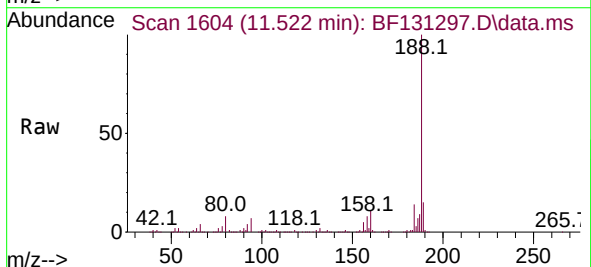
Tgt Ion: 77 Resp: 120696
Ion Ratio Lower Upper
77 100
182 25.7 5.0 45.0
105 19.8 0.0 39.5
51 38.7 17.8 57.8

Manual Integrations
APPROVED

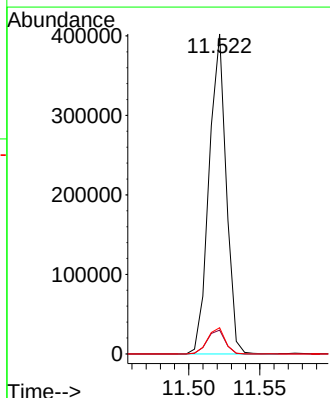
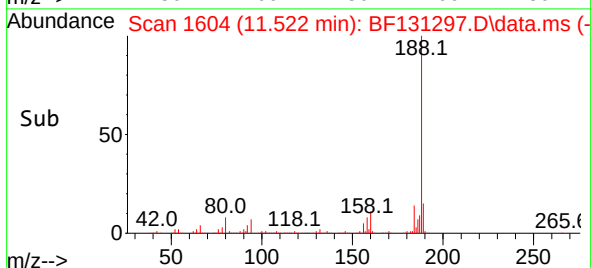
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

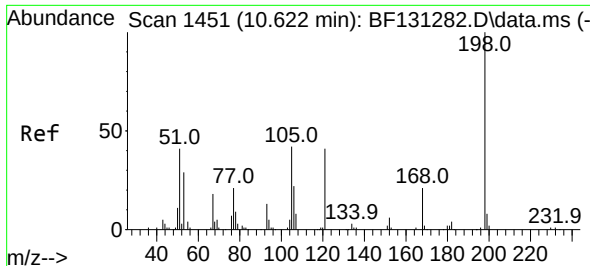


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.522 min Scan# 1604
Delta R.T. -0.000 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49



Tgt Ion:188 Resp: 337286
Ion Ratio Lower Upper
188 100
94 7.4 6.5 9.7
80 8.2 7.2 10.8





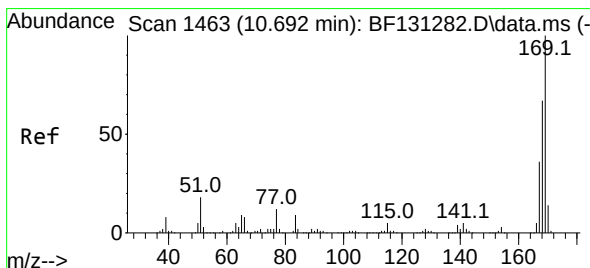
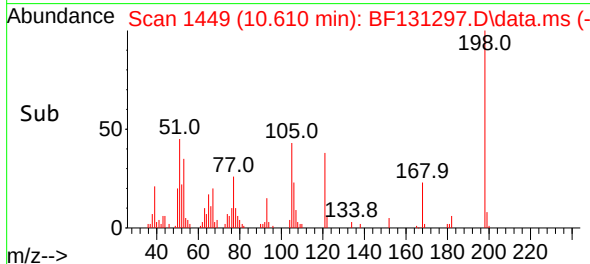
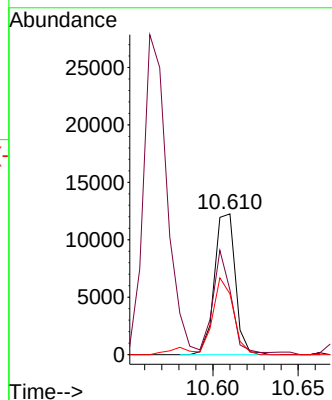
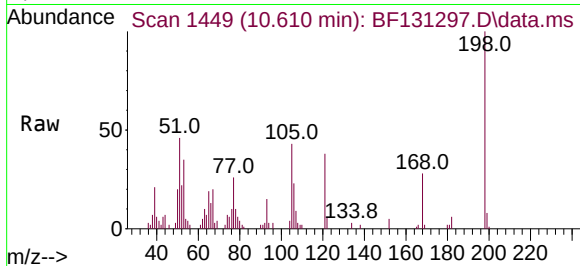
#65
4,6-Dinitro-2-methylphenol
Concen: 8.915 ng
RT: 10.610 min Scan# 1449
Delta R.T. -0.012 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

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

Tgt Ion:198 Resp: 10424
Ion Ratio Lower Upper
198 100
51 45.9 35.7 75.7
105 43.1 23.3 63.3

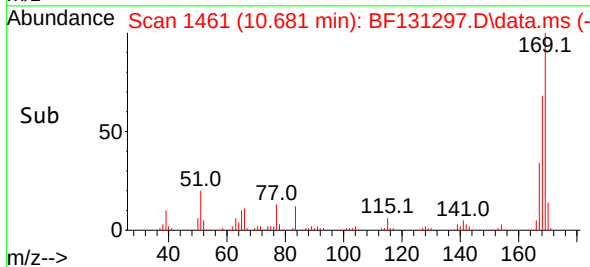
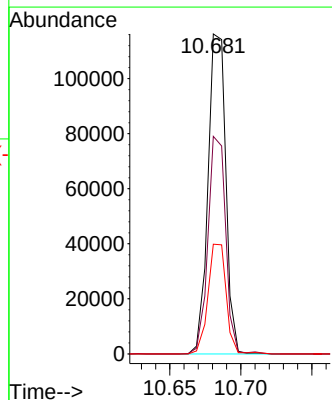
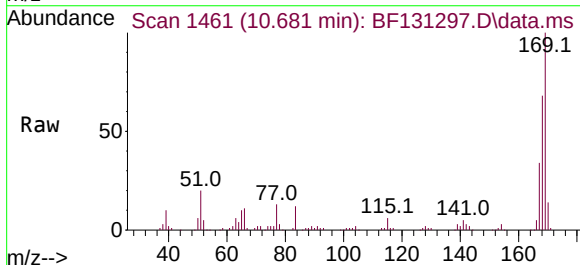
Manual Integrations
APPROVED

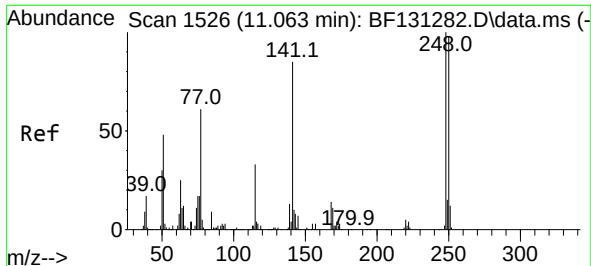
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#66
n-Nitrosodiphenylamine
Concen: 9.319 ng
RT: 10.681 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

Tgt Ion:169 Resp: 101287
Ion Ratio Lower Upper
169 100
168 68.0 53.8 80.6
167 34.3 28.9 43.3





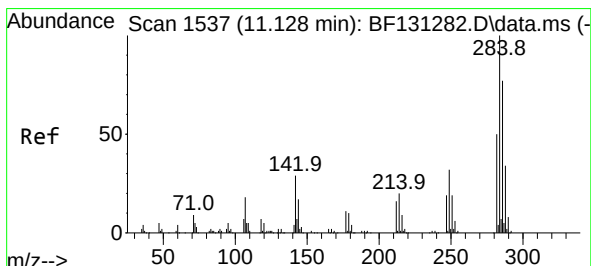
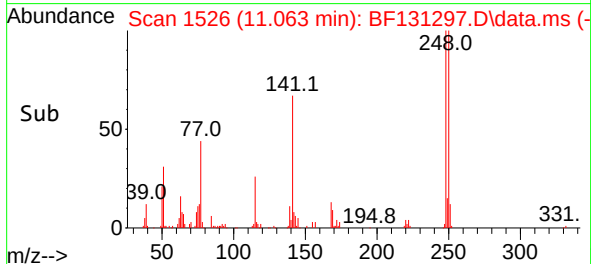
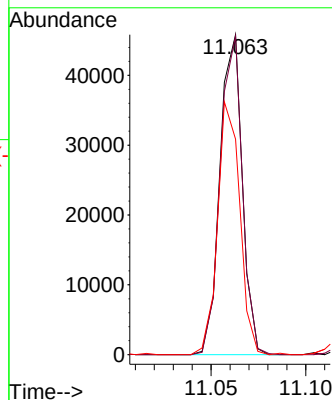
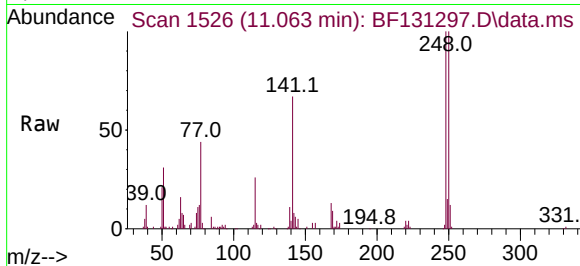
#67
4-Bromophenyl-phenylether
Concen: 9.251 ng
RT: 11.063 min Scan# 1526
Delta R.T. 0.000 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

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

Tgt Ion:248 Resp: 37442
Ion Ratio Lower Upper
248 100
250 99.6 78.3 117.5
141 67.3 67.6 101.4

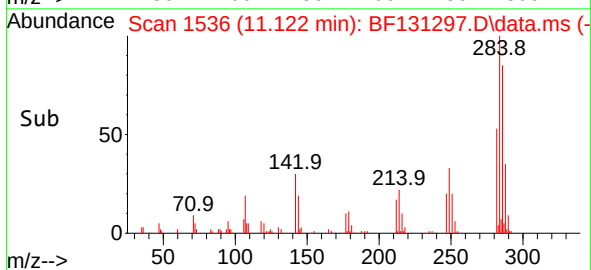
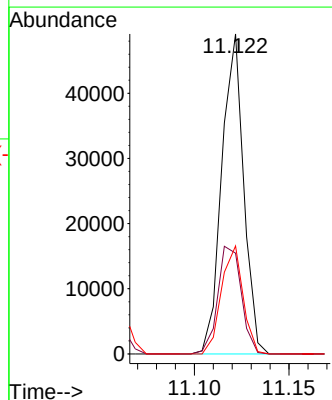
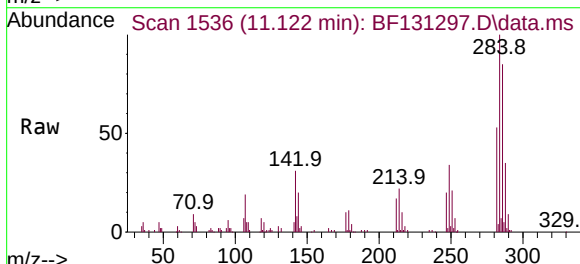
Manual Integrations
APPROVED

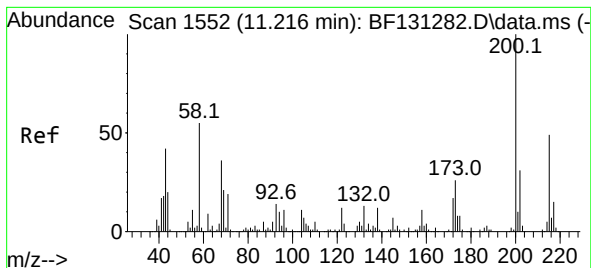
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#68
Hexachlorobenzene
Concen: 9.004 ng
RT: 11.122 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

Tgt Ion:284 Resp: 39535
Ion Ratio Lower Upper
284 100
142 31.5 23.4 35.2
249 33.7 25.7 38.5





#69

Atrazine

Concen: 10.336 ng

RT: 11.210 min Scan# 1552

Delta R.T. -0.006 min

Lab File: BF131297.D

Acq: 18 Nov 2022 13:49

Instrument :

BNA_F

ClientSampleId :

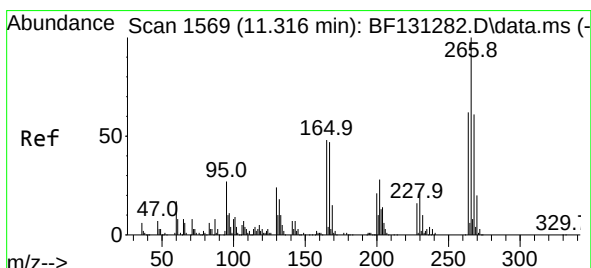
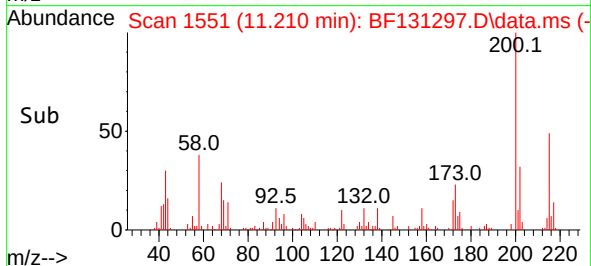
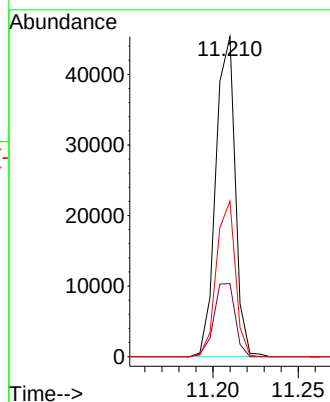
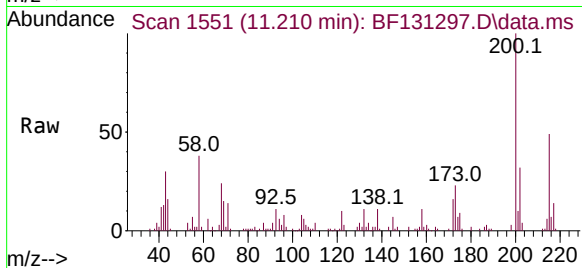
LOQ-SOIL-02-QT4-2022

Tgt Ion:200 Resp: 35838
 Ion Ratio Lower Upper
 200 100
 173 22.8 6.0 46.0
 215 48.6 29.0 69.0

Manual Integrations

APPROVED

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



#70

Pentachlorophenol

Concen: 11.835 ng m

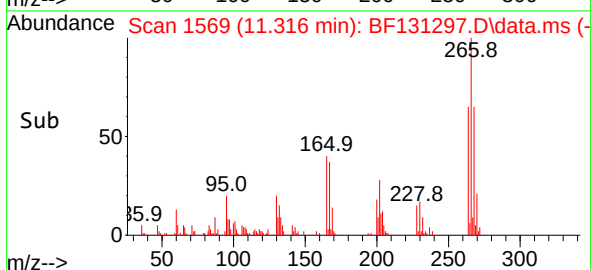
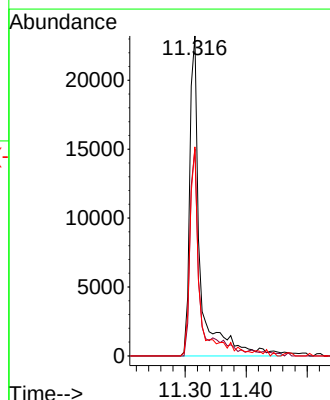
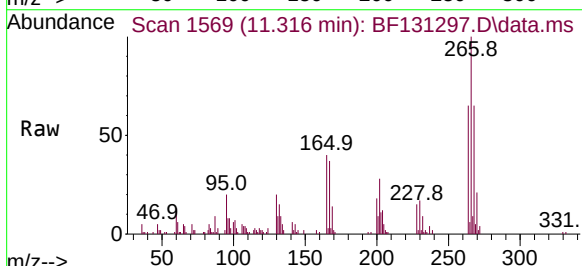
RT: 11.316 min Scan# 1569

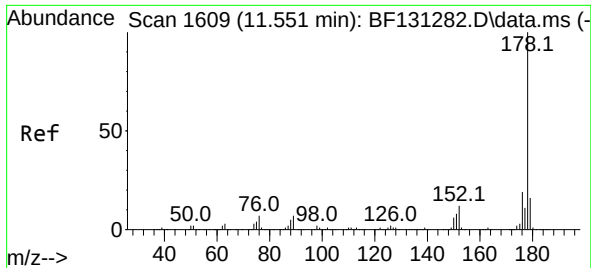
Delta R.T. -0.000 min

Lab File: BF131297.D

Acq: 18 Nov 2022 13:49

Tgt Ion:266 Resp: 27763
 Ion Ratio Lower Upper
 266 100
 268 64.7 49.0 73.4
 264 65.4 49.7 74.5





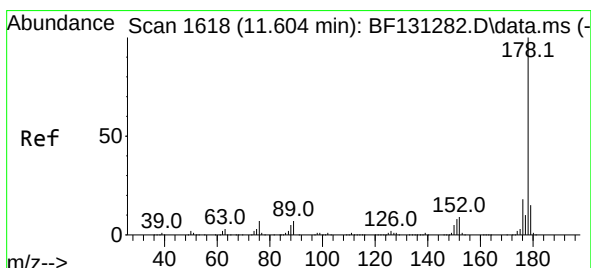
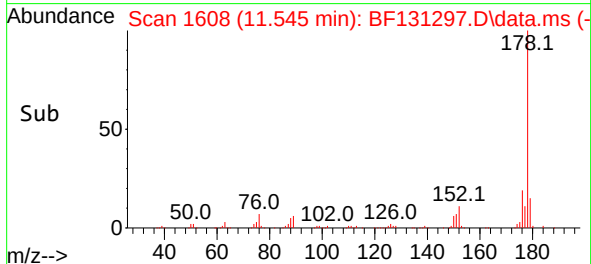
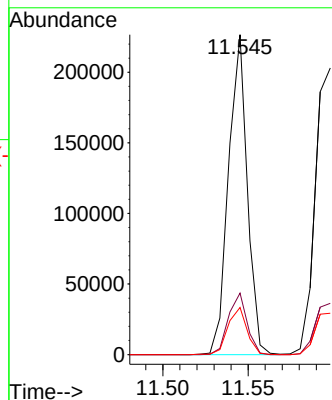
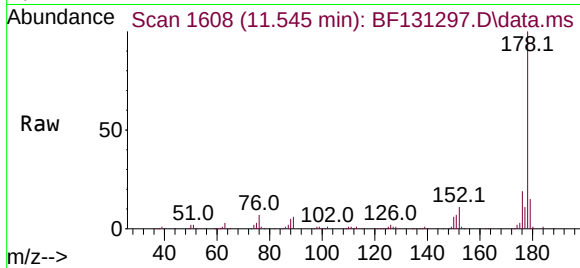
#71
Phenanthrene
Concen: 9.318 ng
RT: 11.545 min Scan# 1608
Delta R.T. -0.006 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

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

Tgt Ion:178 Resp: 17378
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 14.7 12.4 18.6

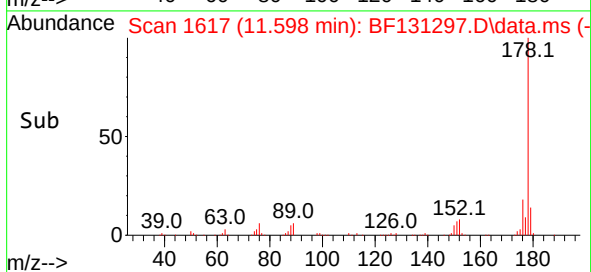
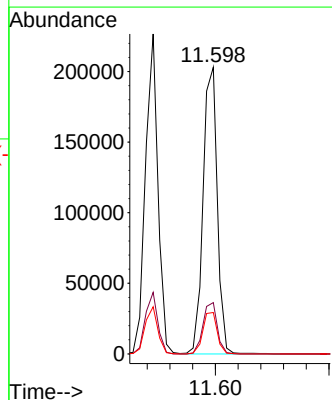
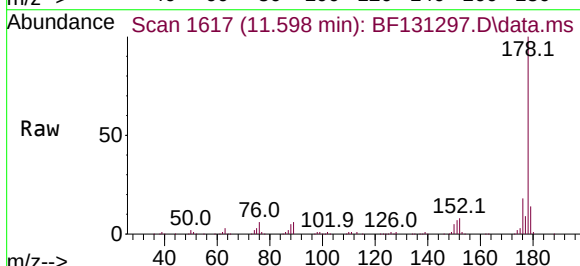
Manual Integrations
APPROVED

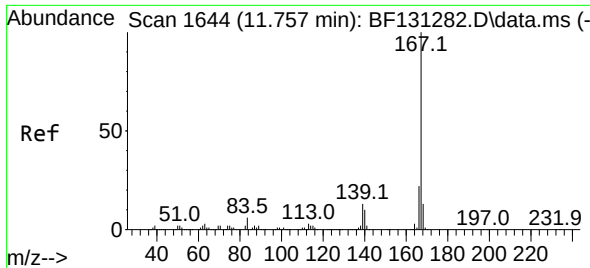
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#72
Anthracene
Concen: 9.668 ng
RT: 11.598 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

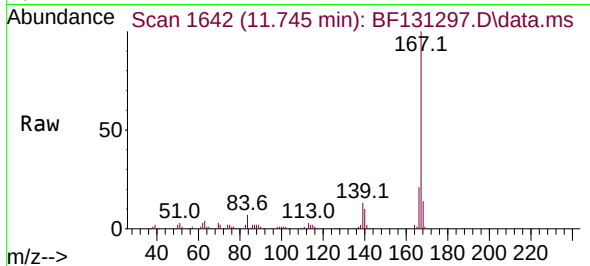
Tgt Ion:178 Resp: 176324
Ion Ratio Lower Upper
178 100
176 17.9 14.6 22.0
179 14.4 12.0 18.0





#73
Carbazole
Concen: 9.721 ng
RT: 11.745 min Scan# 1642
Delta R.T. -0.012 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

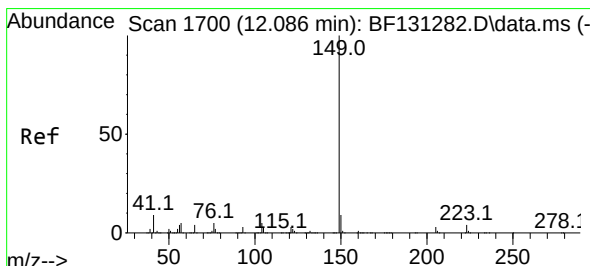
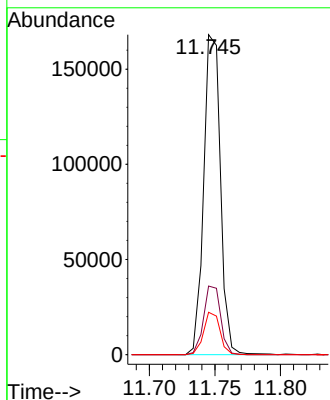
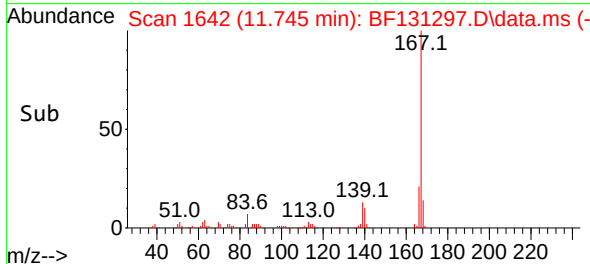
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2022



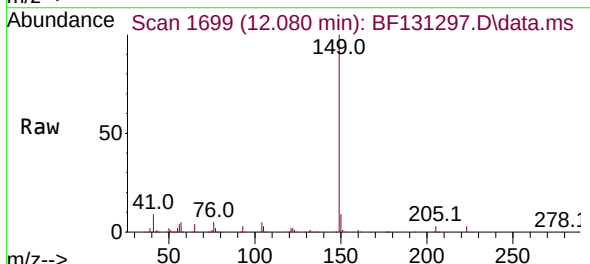
Tgt Ion:167 Resp: 149036
Ion Ratio Lower Upper
167 100
166 21.4 17.4 26.2
139 13.2 10.2 15.4

Manual Integrations
APPROVED

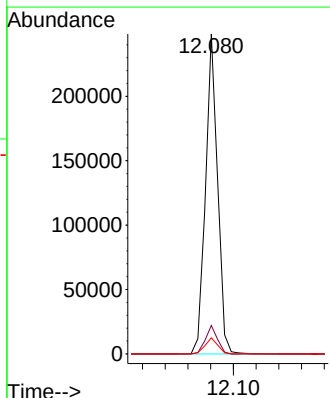
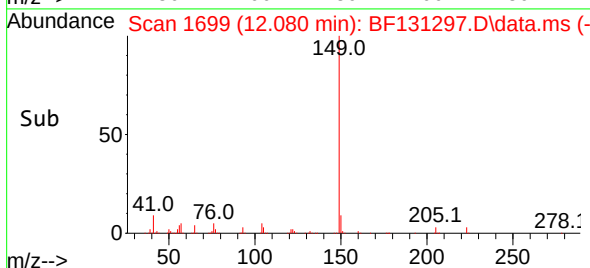
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

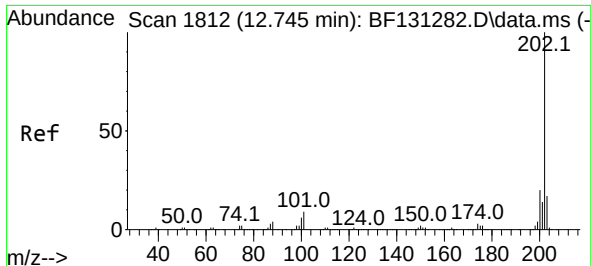


#74
Di-n-butylphthalate
Concen: 9.886 ng
RT: 12.080 min Scan# 1699
Delta R.T. -0.006 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49



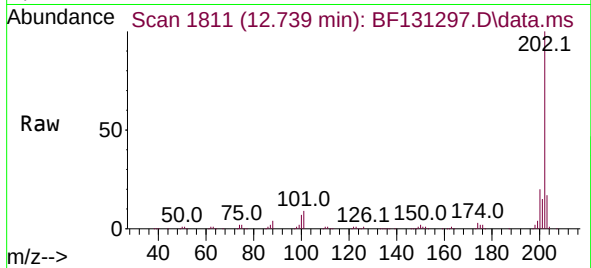
Tgt Ion:149 Resp: 183023
Ion Ratio Lower Upper
149 100
150 8.9 7.1 10.7
104 5.0 4.3 6.5





#75
Fluoranthene
Concen: 9.586 ng
RT: 12.739 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

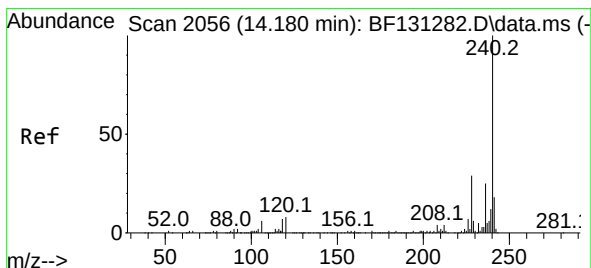
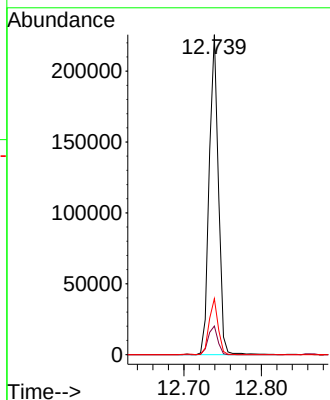
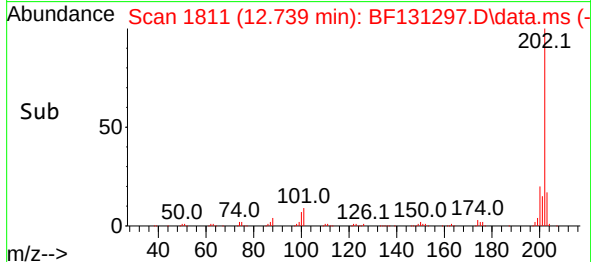
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



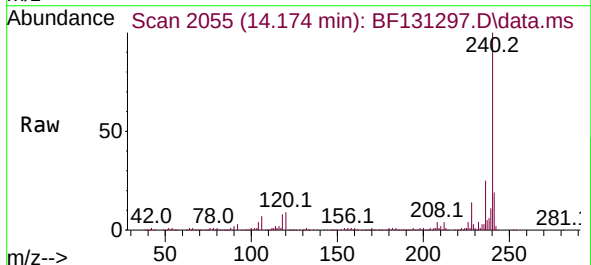
Tgt Ion:202 Resp: 185524
Ion Ratio Lower Upper
202 100
101 8.9 0.0 28.5
203 17.5 0.0 37.3

Manual Integrations
APPROVED

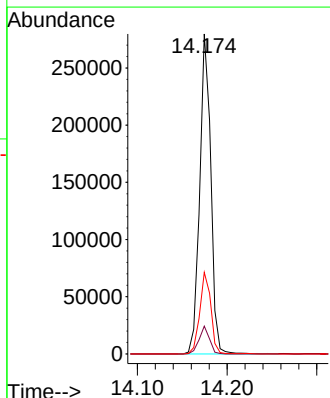
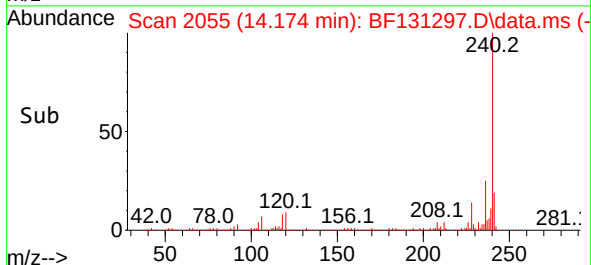
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

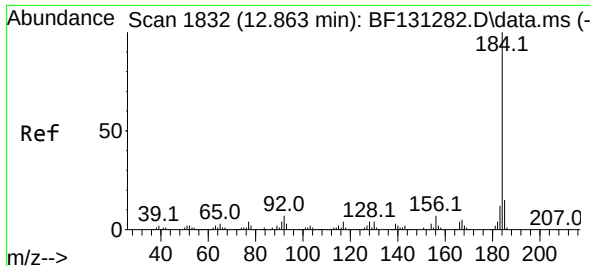


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.174 min Scan# 2055
Delta R.T. -0.006 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49



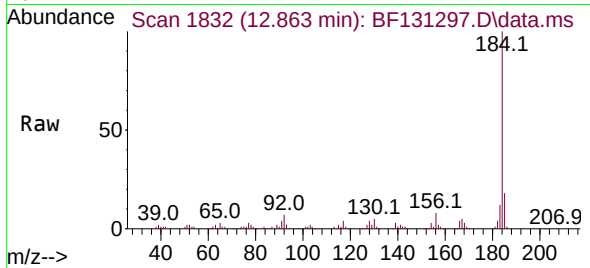
Tgt Ion:240 Resp: 239285
Ion Ratio Lower Upper
240 100
120 8.7 6.2 9.2
236 25.5 19.8 29.6





#77
Benzidine
Concen: 14.467 ng
RT: 12.863 min Scan# 1832
Delta R.T. 0.000 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

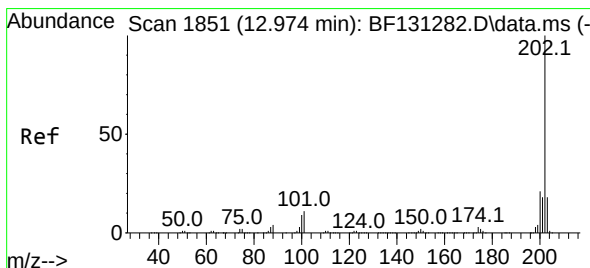
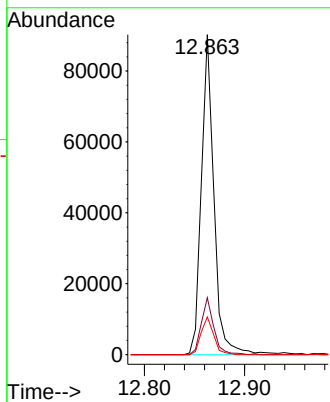
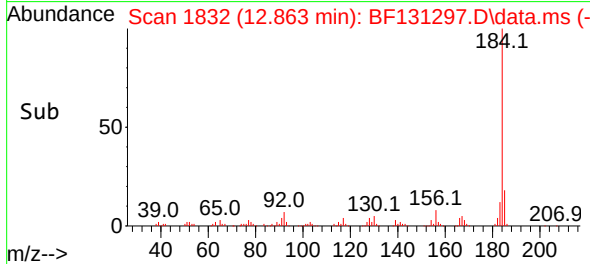
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



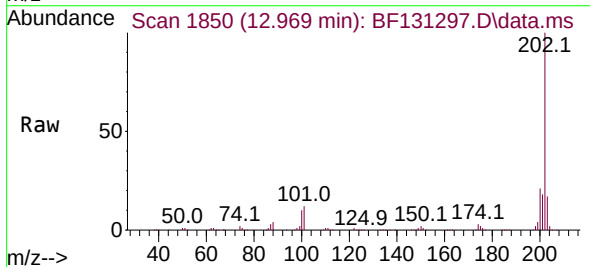
Tgt Ion:184 Resp: 78300
Ion Ratio Lower Upper
184 100
185 17.8 12.3 18.5
183 11.8 9.3 13.9

Manual Integrations
APPROVED

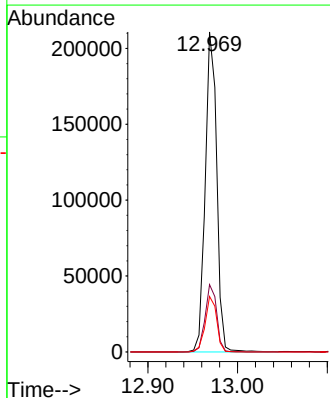
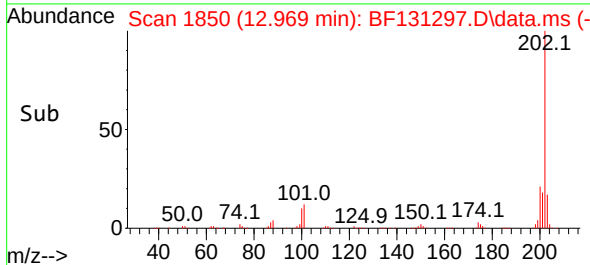
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

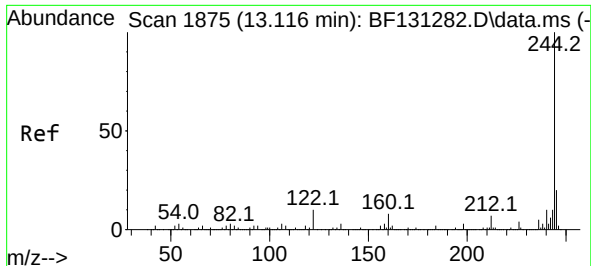


#78
Pyrene
Concen: 8.146 ng
RT: 12.969 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49



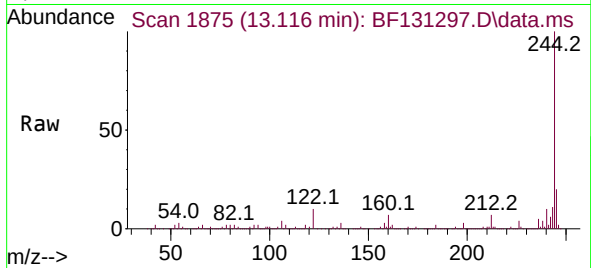
Tgt Ion:202 Resp: 187546
Ion Ratio Lower Upper
202 100
200 21.0 17.2 25.8
203 17.3 14.3 21.5





#79
 Terphenyl-d14
 Concen: 62.505 ng
 RT: 13.116 min Scan# 1875
 Delta R.T. 0.000 min
 Lab File: BF131297.D
 Acq: 18 Nov 2022 13:49

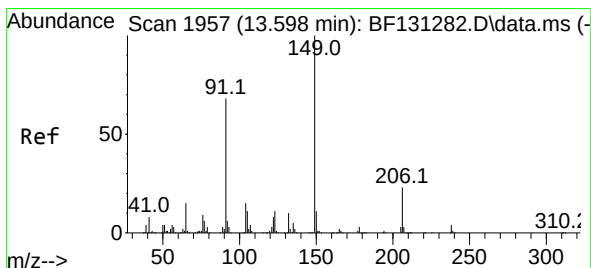
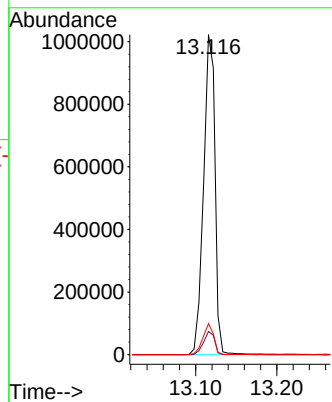
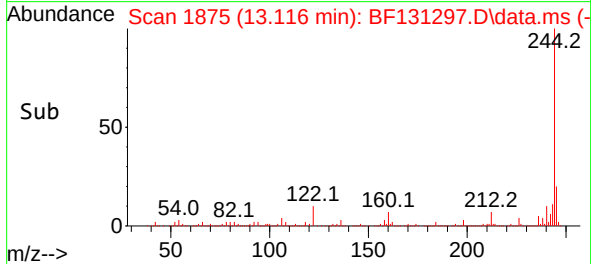
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022



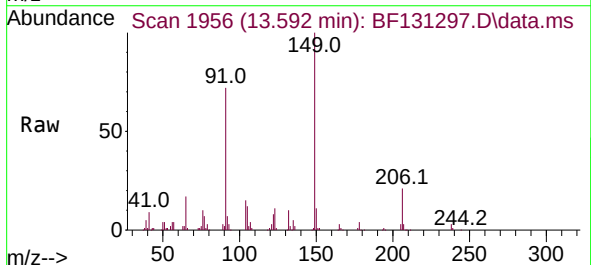
Tgt Ion:244 Resp: 1000593
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 9.7 7.8 11.8

Manual Integrations
 APPROVED

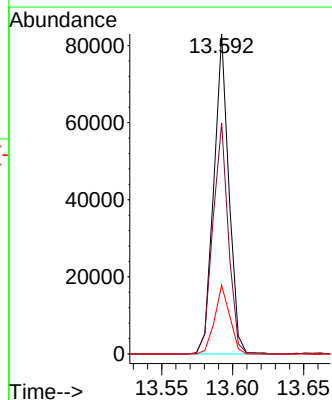
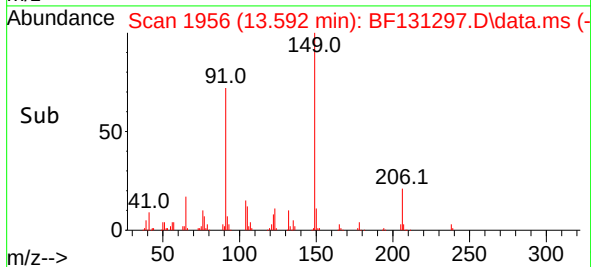
Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022

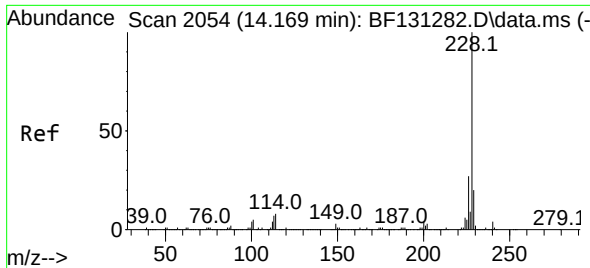


#80
 Butylbenzylphthalate
 Concen: 8.784 ng
 RT: 13.592 min Scan# 1956
 Delta R.T. -0.006 min
 Lab File: BF131297.D
 Acq: 18 Nov 2022 13:49



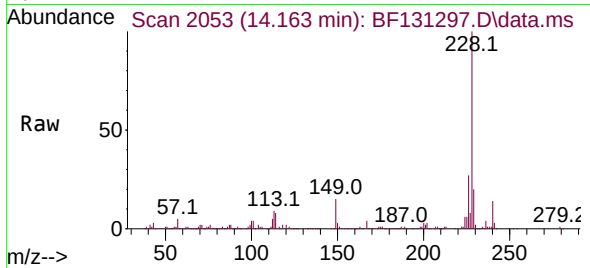
Tgt Ion:149 Resp: 61174
 Ion Ratio Lower Upper
 149 100
 91 72.2 54.6 82.0
 206 21.5 18.1 27.1





#81
Benzo(a)anthracene
Concen: 8.841 ng
RT: 14.163 min Scan# 2054
Delta R.T. -0.006 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

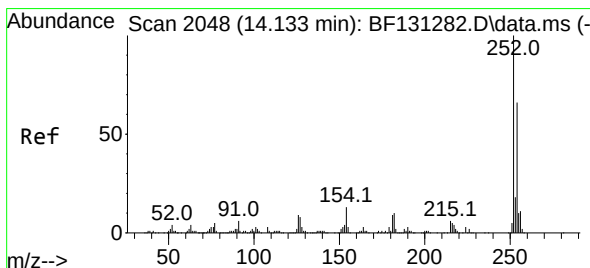
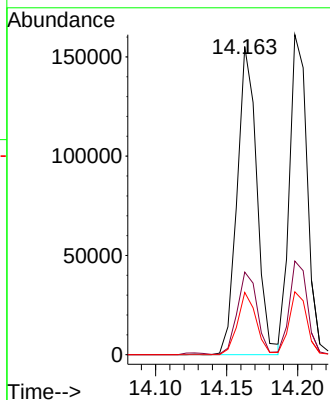
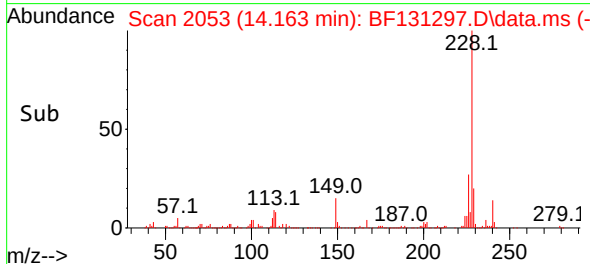
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2022



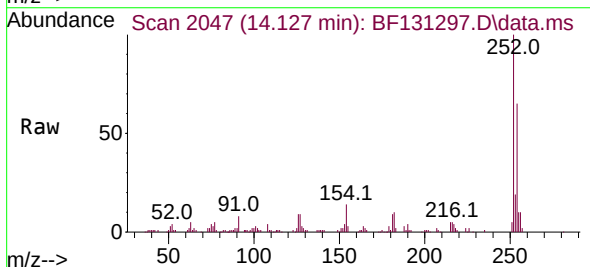
Tgt Ion:228 Resp: 149144
Ion Ratio Lower Upper
228 100
226 26.8 21.5 32.3
229 20.2 16.1 24.1

Manual Integrations
APPROVED

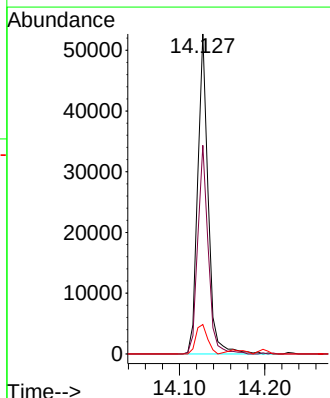
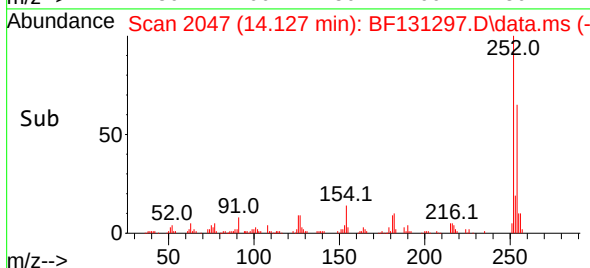
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

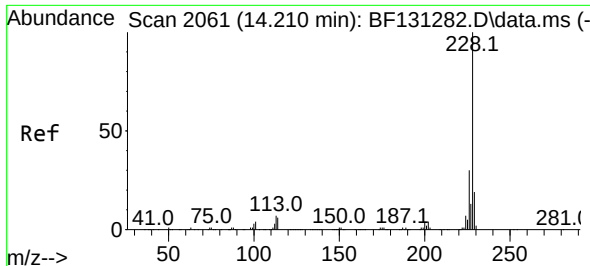


#82
3,3'-Dichlorobenzidine
Concen: 10.009 ng
RT: 14.127 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49



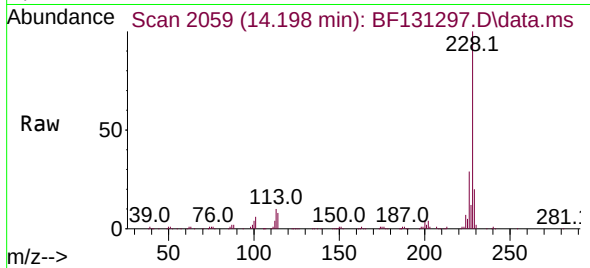
Tgt Ion:252 Resp: 44824
Ion Ratio Lower Upper
252 100
254 65.2 52.6 78.8
126 9.2 7.0 10.6





#83
Chrysene
Concen: 8.812 ng
RT: 14.198 min Scan# 2059
Delta R.T. -0.012 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

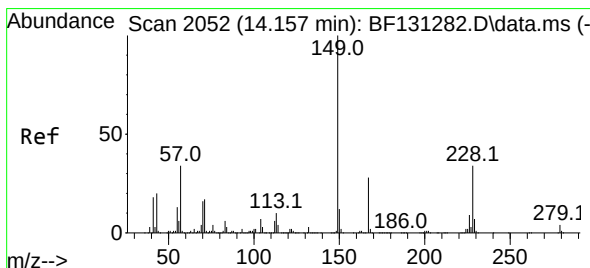
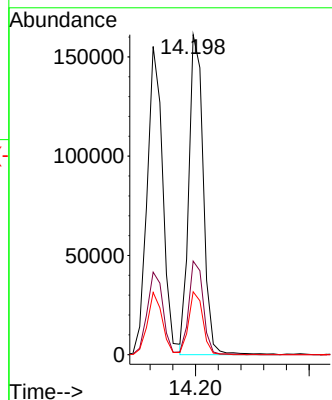
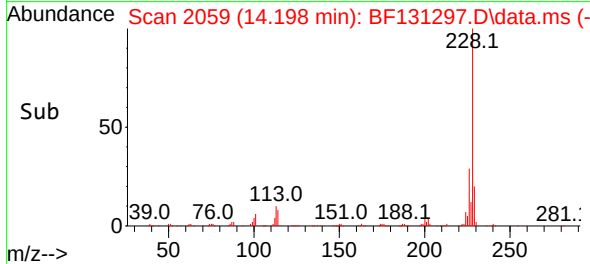
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2022



Tgt Ion:228 Resp: 14217
Ion Ratio Lower Upper
228 100
226 29.2 23.8 35.6
229 19.6 15.2 22.8

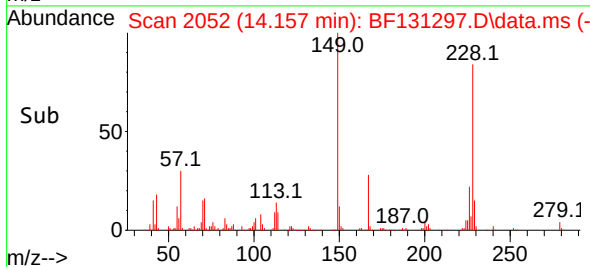
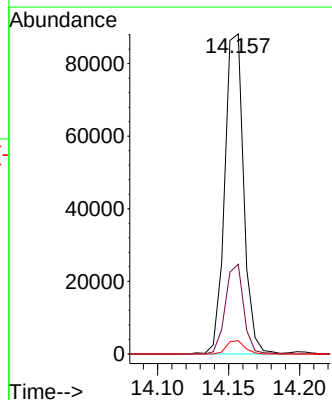
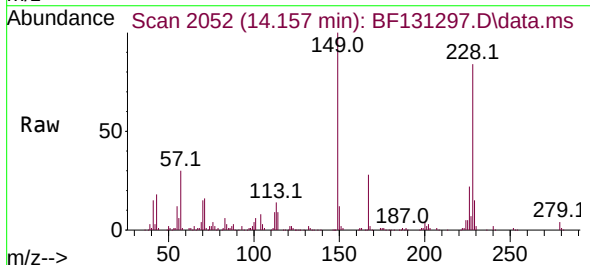
Manual Integrations
APPROVED

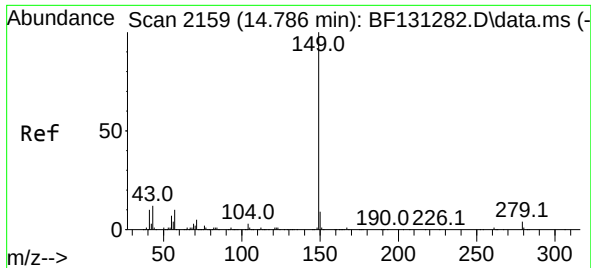
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 10.098 ng
RT: 14.157 min Scan# 2052
Delta R.T. -0.000 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

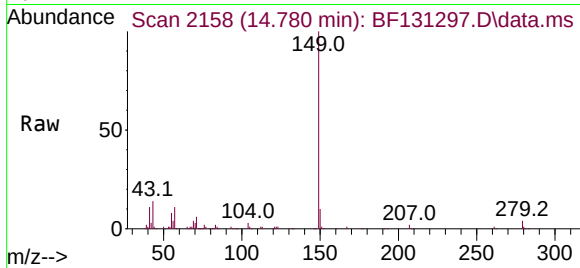
Tgt Ion:149 Resp: 81865
Ion Ratio Lower Upper
149 100
167 28.0 22.2 33.4
279 4.1 3.4 5.2





#85
Di-n-octyl phthalate
Concen: 8.551 ng
RT: 14.780 min Scan# 2159
Delta R.T. -0.006 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

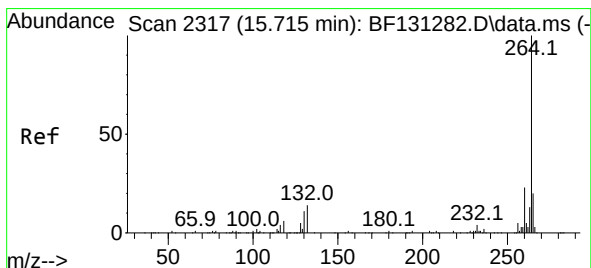
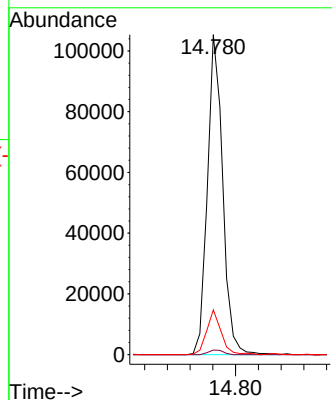
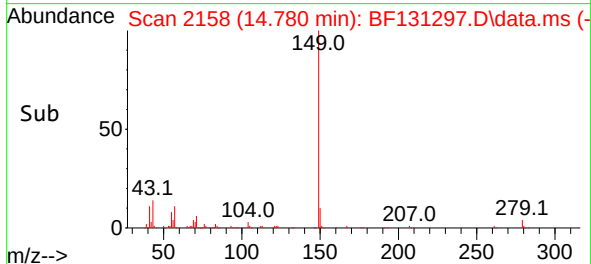
Instrument : BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:149 Resp: 98391
Ion Ratio Lower Upper
149 100
167 1.4 1.2 1.8
43 13.3 10.6 16.0

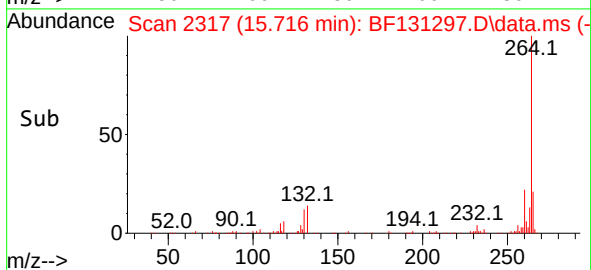
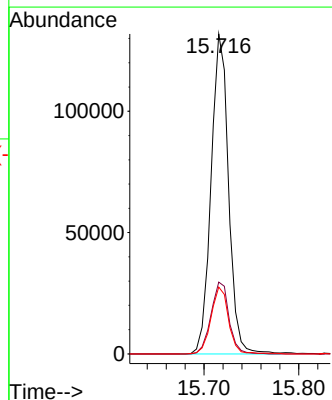
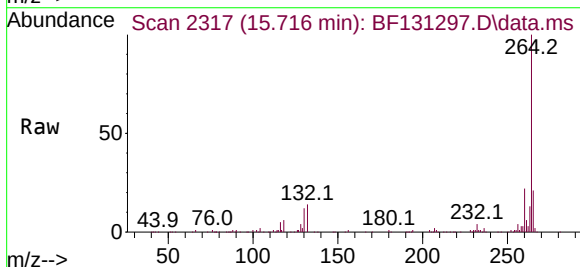
Manual Integrations
APPROVED

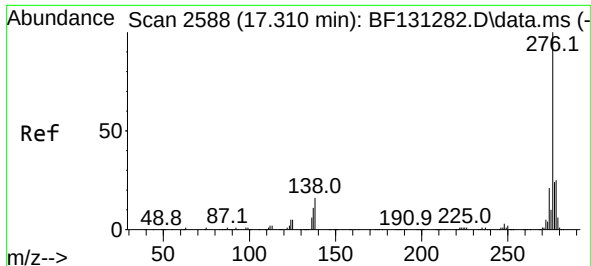
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.716 min Scan# 2317
Delta R.T. 0.000 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

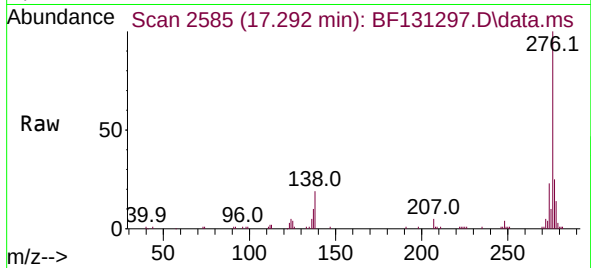
Tgt Ion:264 Resp: 169177
Ion Ratio Lower Upper
264 100
260 22.5 18.7 28.1
265 20.9 16.2 24.4





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 7.201 ng
 RT: 17.292 min Scan# 21
 Delta R.T. -0.018 min
 Lab File: BF131297.D
 Acq: 18 Nov 2022 13:49

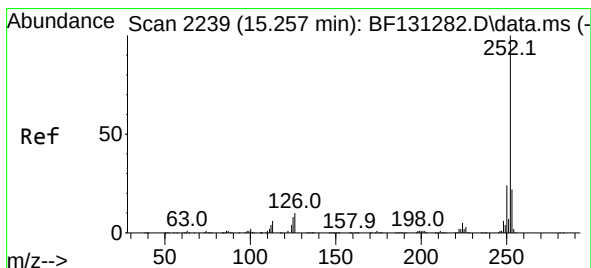
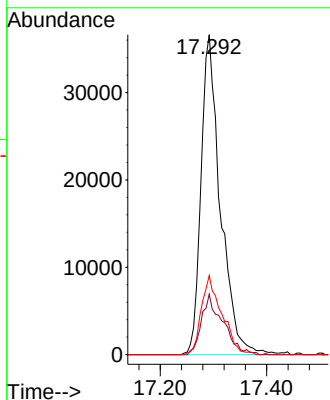
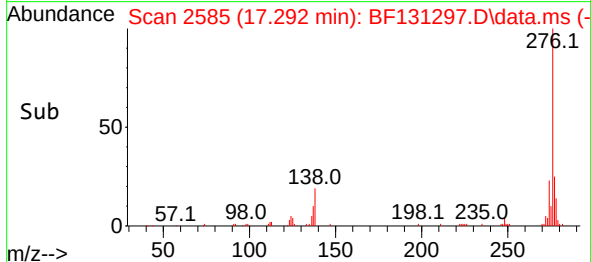
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022



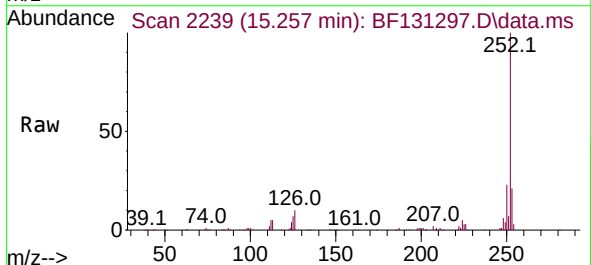
Tgt Ion:276 Resp: 92394
 Ion Ratio Lower Upper
 276 100
 138 20.7 15.1 22.7
 277 26.0 20.1 30.1

Manual Integrations
 APPROVED

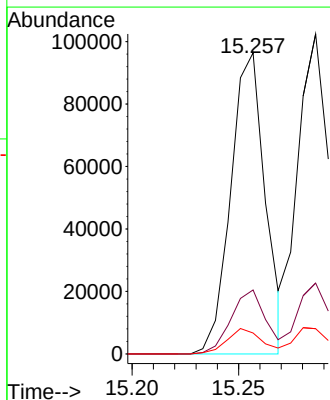
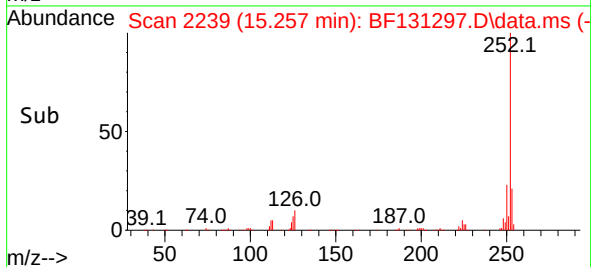
Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022

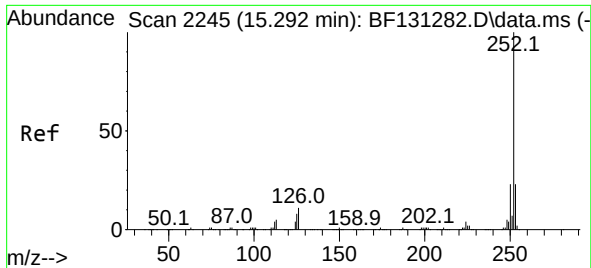


#88
 Benzo(b)fluoranthene
 Concen: 9.538 ng
 RT: 15.257 min Scan# 2239
 Delta R.T. -0.000 min
 Lab File: BF131297.D
 Acq: 18 Nov 2022 13:49



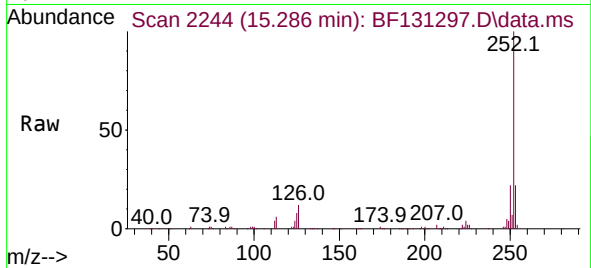
Tgt Ion:252 Resp: 108601
 Ion Ratio Lower Upper
 252 100
 253 21.3 17.4 26.0
 125 6.9 6.3 9.5





#89
Benzo(k)fluoranthene
Concen: 9.415 ng
RT: 15.286 min Scan# 211
Delta R.T. -0.006 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

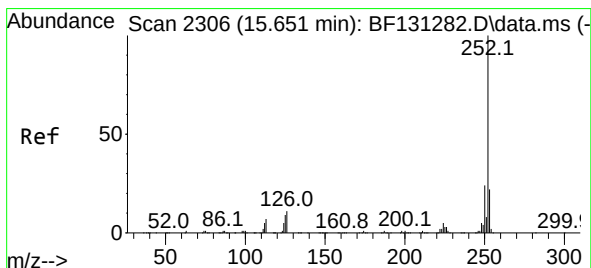
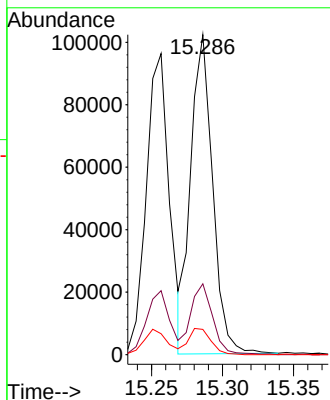
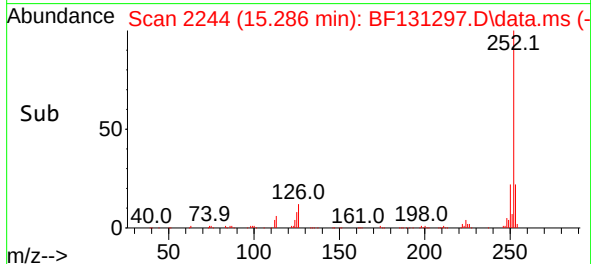
Instrument : BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



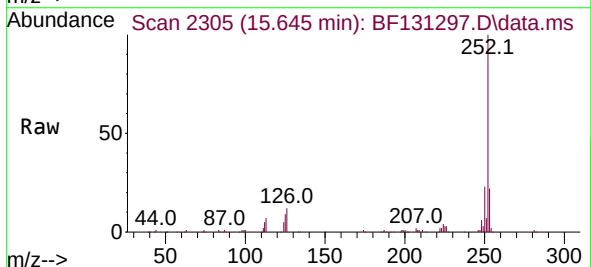
Tgt Ion:252 Resp: 109570
Ion Ratio Lower Upper
252 100
253 22.1 18.0 27.0
125 7.9 6.5 9.7

Manual Integrations
APPROVED

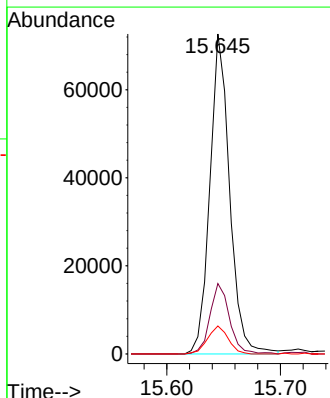
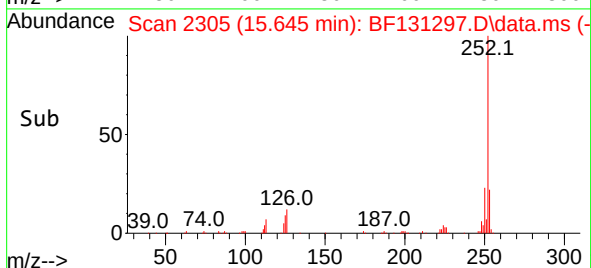
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

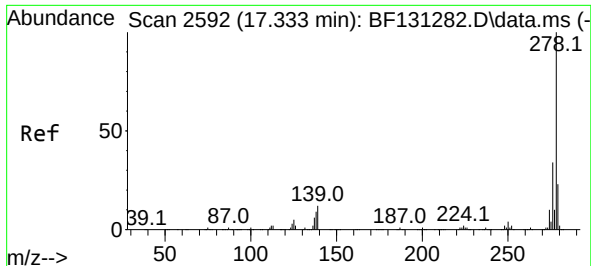


#90
Benzo(a)pyrene
Concen: 9.406 ng
RT: 15.645 min Scan# 2305
Delta R.T. -0.006 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49



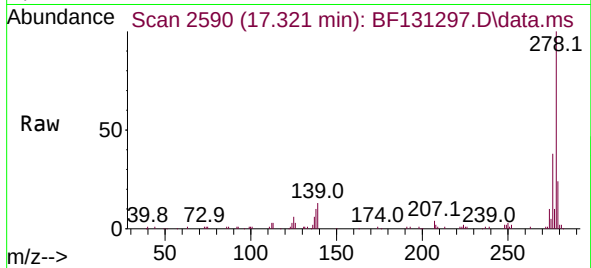
Tgt Ion:252 Resp: 87929
Ion Ratio Lower Upper
252 100
253 22.0 17.7 26.5
125 8.7 7.2 10.8





#91
Dibenzo(a,h)anthracene
Concen: 7.761 ng
RT: 17.321 min Scan# 2590
Delta R.T. -0.012 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49

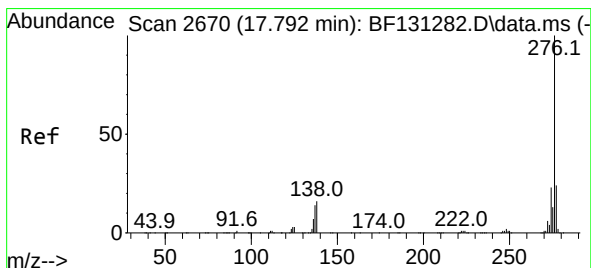
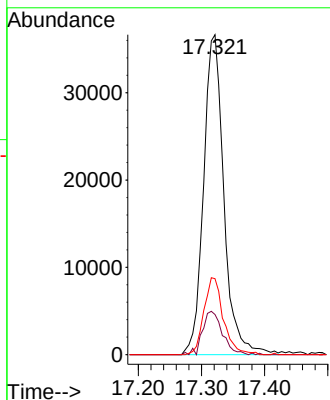
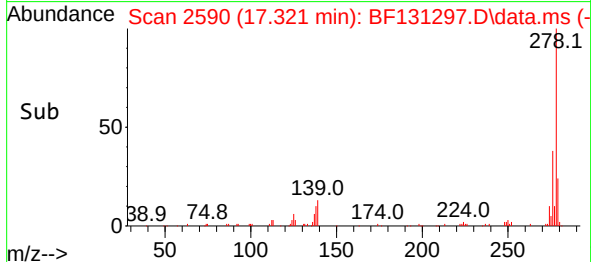
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



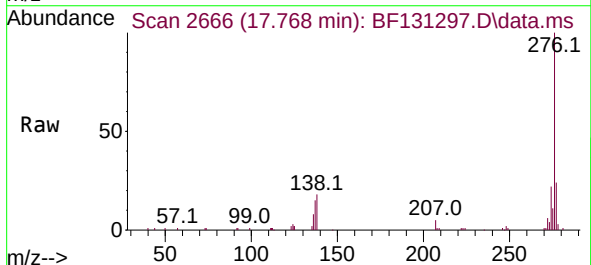
Tgt Ion:278 Resp: 81945
Ion Ratio Lower Upper
278 100
139 12.5 10.0 15.0
279 23.7 18.6 27.8

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 7.541 ng
RT: 17.768 min Scan# 2666
Delta R.T. -0.024 min
Lab File: BF131297.D
Acq: 18 Nov 2022 13:49



Tgt Ion:276 Resp: 80496
Ion Ratio Lower Upper
276 100
277 23.7 19.4 29.0
138 17.6 13.0 19.6

