

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111822\
 Data File : BF131298.D
 Acq On : 18 Nov 2022 15:22
 Operator : CG\JU
 Sample : N4955-02
 Misc : LOQ-SOIL 10ppm
 ALS Vial : 10 Sample Multiplier: 1

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

Quant Time: Nov 21 01:25:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 21 00:46:51 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.969	152	83049	20.000	ng	0.00
21) Naphthalene-d8	8.257	136	310210	20.000	ng	0.00
39) Acenaphthene-d10	10.022	164	186515	20.000	ng	0.00
64) Phenanthrene-d10	11.521	188	342327	20.000	ng	0.00
76) Chrysene-d12	14.174	240	226876	20.000	ng	0.00
86) Perylene-d12	15.715	264	169327	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	388909	85.712	ng	0.00
7) Phenol-d6	6.581	99	484252	84.187	ng	0.00
23) Nitrobenzene-d5	7.533	82	365833	62.996	ng	0.00
42) 2,4,6-Tribromophenol	10.816	330	138064	83.153	ng	0.00
45) 2-Fluorobiphenyl	9.339	172	761037	58.277	ng	0.00
79) Terphenyl-d14	13.115	244	855389	56.357	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.763	88	17834	8.501	ng	99
3) Pyridine	3.551	79	42489	7.269	ng	93
4) n-Nitrosodimethylamine	3.481	42	27393	7.553	ng	91
6) Aniline	6.628	93	66414	9.225	ng	99
8) 2-Chlorophenol	6.751	128	43430	8.647	ng	94
9) Benzaldehyde	6.516	77	39729	9.514	ng	96
10) Phenol	6.592	94	51622	8.108	ng	94
11) bis(2-Chloroethyl)ether	6.698	93	44113	8.608	ng	96
12) 1,3-Dichlorobenzene	6.910	146	51149	8.560	ng	95
13) 1,4-Dichlorobenzene	6.986	146	51993	8.558	ng	93
14) 1,2-Dichlorobenzene	7.139	146	48224	8.528	ng	97
15) Benzyl Alcohol	7.128	79	29421	6.005	ng	# 74
16) 2,2'-oxybis(1-Chloropr...	7.239	45	85405	8.802	ng	98
17) 2-Methylphenol	7.204	107	34841	7.935	ng	96
18) Hexachloroethane	7.486	117	18612	8.616	ng	96
19) n-Nitroso-di-n-propyla...	7.369	70	34890	8.433	ng	98
20) 3+4-Methylphenols	7.357	107	48413	8.633	ng	90
22) Acetophenone	7.375	105	68447	8.350	ng	# 99
24) Nitrobenzene	7.551	77	51534	8.767	ng	96
25) Isophorone	7.786	82	94358	8.510	ng	99
26) 2-Nitrophenol	7.869	139	15440	8.293	ng	99
27) 2,4-Dimethylphenol	7.898	122	40107	9.201	ng	99
28) bis(2-Chloroethoxy)met...	7.998	93	56665	9.150	ng	99
29) 2,4-Dichlorophenol	8.104	162	37925	8.124	ng	98
30) 1,2,4-Trichlorobenzene	8.198	180	45631	7.873	ng	94
31) Naphthalene	8.280	128	134709	8.008	ng	99
32) Benzoic acid	7.963	122	25638m	9.832	ng	
33) 4-Chloroaniline	8.322	127	55266	8.458	ng	96
34) Hexachlorobutadiene	8.398	225	30549	7.976	ng	99
35) Caprolactam	8.657	113	11416	8.783	ng	97
36) 4-Chloro-3-methylphenol	8.798	107	40850	8.119	ng	93
37) 2-Methylnaphthalene	8.975	142	93953	8.287	ng	98
38) 1-Methylnaphthalene	9.075	142	89083	8.109	ng	99
40) 1,2,4,5-Tetrachloroben...	9.139	216	50857	8.334	ng	98
41) Hexachlorocyclopentadiene	9.127	237	21593	8.179	ng	99
43) 2,4,6-Trichlorophenol	9.245	196	20719	5.710	ng	96

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111822\
 Data File : BF131298.D
 Acq On : 18 Nov 2022 15:22
 Operator : CG\JU
 Sample : N4955-02
 Misc : LOQ-SOIL 10ppm
 ALS Vial : 10 Sample Multiplier: 1

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

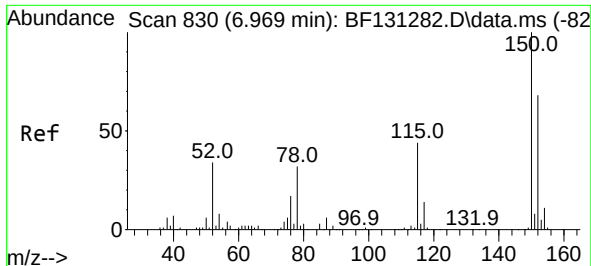
Quant Time: Nov 21 01:25:23 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Nov 21 00:46:51 2022
 Response via : Initial Calibration

Manual Integrations
 APPROVED

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

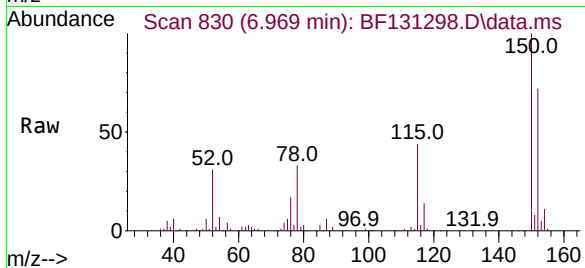
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.280	196	33284	8.419	ng	97
46) 1,1'-Biphenyl	9.439	154	122858	8.530	ng	100
47) 2-Chloronaphthalene	9.463	162	93315	8.070	ng	98
48) 2-Nitroaniline	9.557	65	25253	7.900	ng	99
49) Acenaphthylene	9.886	152	143206	8.107	ng	99
50) Dimethylphthalate	9.733	163	108381	8.025	ng	99
51) 2,6-Dinitrotoluene	9.798	165	18560	8.366	ng	98
52) Acenaphthene	10.057	154	87737	7.961	ng	97
53) 3-Nitroaniline	9.969	138	19131	8.148	ng	90
54) 2,4-Dinitrophenol	10.069	184	8100	10.365	ng	# 84
55) Dibenzofuran	10.227	168	128846	8.062	ng	97
56) 4-Nitrophenol	10.110	139	12264	6.942	ng	89
57) 2,4-Dinitrotoluene	10.198	165	21503	8.016	ng	99
58) Fluorene	10.574	166	104923	8.267	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.339	232	24262	7.245	ng	97
60) Diethylphthalate	10.439	149	107986	8.381	ng	99
61) 4-Chlorophenyl-phenyle...	10.569	204	55221	8.582	ng	90
62) 4-Nitroaniline	10.580	138	18330	7.684	ng	94
63) Azobenzene	10.727	77	107837	8.058	ng	98
65) 4,6-Dinitro-2-methylph...	10.604	198	8780	7.398	ng	# 68
66) n-Nitrosodiphenylamine	10.680	169	88522	8.024	ng	98
67) 4-Bromophenyl-phenylether	11.063	248	33384	8.127	ng	# 89
68) Hexachlorobenzene	11.121	284	36592	8.211	ng	98
69) Atrazine	11.204	200	30031	8.533	ng	100
70) Pentachlorophenol	11.316	266	23480m	9.862	ng	
71) Phenanthrene	11.545	178	152951	8.080	ng	97
72) Anthracene	11.592	178	149785	8.092	ng	99
73) Carbazole	11.751	167	127219	8.175	ng	99
74) Di-n-butylphthalate	12.080	149	161067	8.572	ng	100
75) Fluoranthene	12.739	202	158063	8.047	ng	99
77) Benzidine	12.863	184	66579	12.974	ng	97
78) Pyrene	12.968	202	159677	7.315	ng	98
80) Butylbenzylphthalate	13.592	149	48837	7.396	ng	95
81) Benzo(a)anthracene	14.162	228	121420	7.591	ng	98
82) 3,3'-Dichlorobenzidine	14.127	252	37883	8.921	ng	95
83) Chrysene	14.198	228	116520	7.617	ng	99
84) Bis(2-ethylhexyl)phtha...	14.151	149	62500	8.131	ng	95
85) Di-n-octyl phthalate	14.780	149	79249	7.264	ng	99
87) Indeno(1,2,3-cd)pyrene	17.292	276	82737	6.443	ng	98
88) Benzo(b)fluoranthene	15.251	252	89985	7.896	ng	97
89) Benzo(k)fluoranthene	15.286	252	89863	7.715	ng	96
90) Benzo(a)pyrene	15.645	252	74672	7.981	ng	99
91) Dibenzo(a,h)anthracene	17.315	278	71577	6.773	ng	# 96
92) Benzo(g,h,i)perylene	17.768	276	72939	6.827	ng	98

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



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.969 min Scan# 830
 Delta R.T. -0.000 min
 Lab File: BF131298.D
 Acq: 18 Nov 2022 15:22

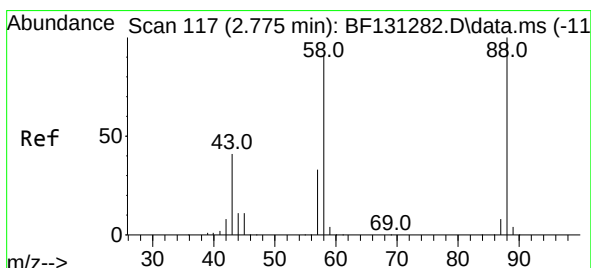
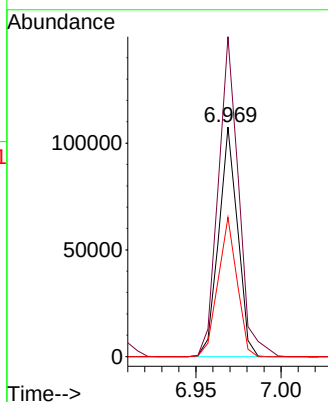
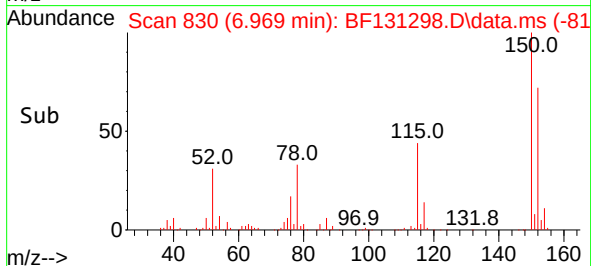
Instrument : BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022



Tgt Ion:152 Resp: 83049
 Ion Ratio Lower Upper
 152 100
 150 139.4 117.8 176.6
 115 60.6 52.2 78.4

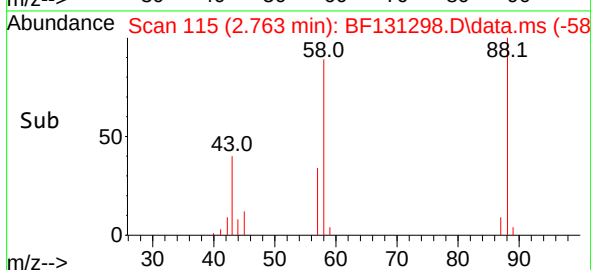
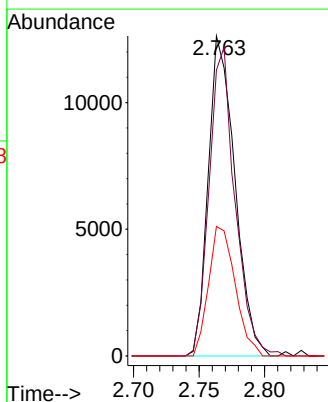
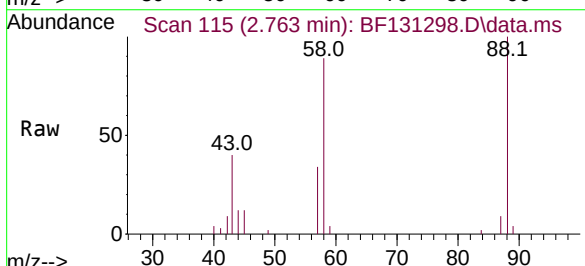
Manual Integrations
 APPROVED

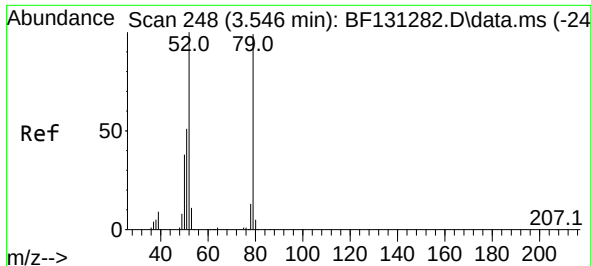
Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022



#2
 1,4-Dioxane
 Concen: 8.501 ng
 RT: 2.763 min Scan# 115
 Delta R.T. -0.012 min
 Lab File: BF131298.D
 Acq: 18 Nov 2022 15:22

Tgt Ion: 88 Resp: 17834
 Ion Ratio Lower Upper
 88 100
 58 93.7 76.0 114.0
 43 40.5 32.4 48.6





#3

Pyridine

Concen: 7.269 ng

RT: 3.551 min Scan# 24

Delta R.T. 0.006 min

Lab File: BF131298.D

Acq: 18 Nov 2022 15:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

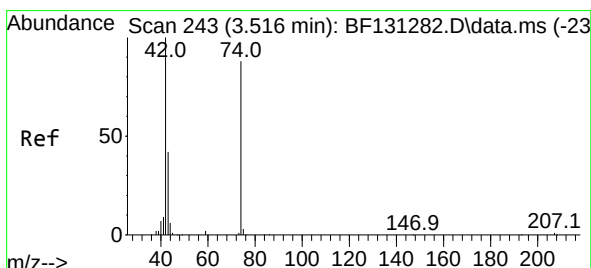
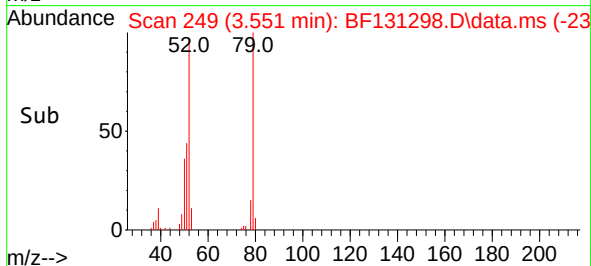
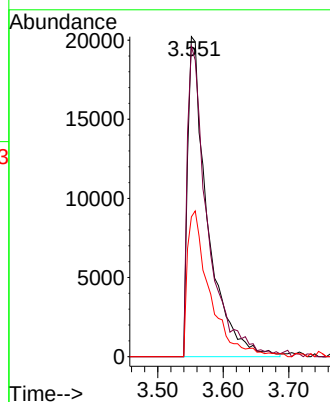
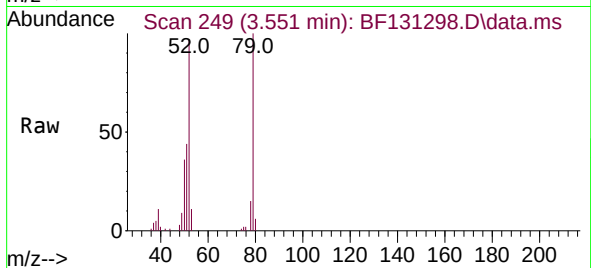
Tgt Ion: 79	Resp: 42489
Ion Ratio	Lower Upper
79 100	
52 96.9	80.7 121.1
51 43.7	41.6 62.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#4

n-Nitrosodimethylamine

Concen: 7.553 ng

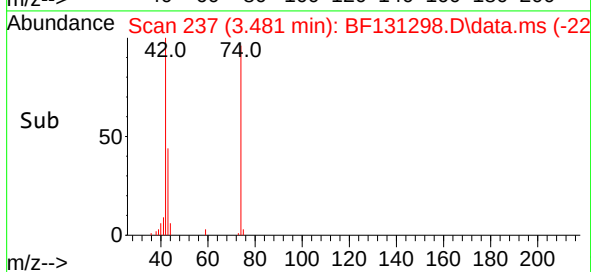
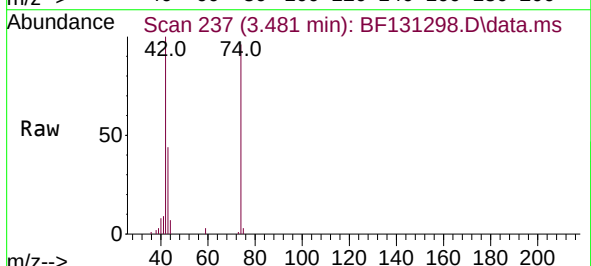
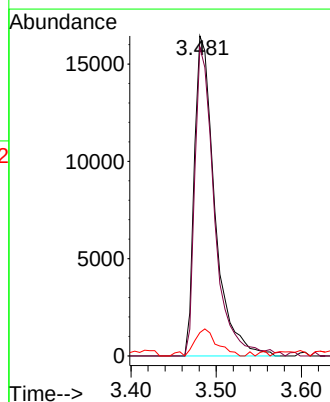
RT: 3.481 min Scan# 237

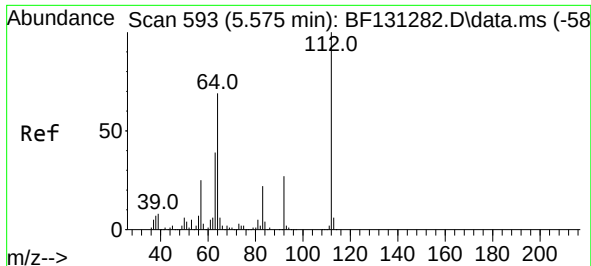
Delta R.T. -0.035 min

Lab File: BF131298.D

Acq: 18 Nov 2022 15:22

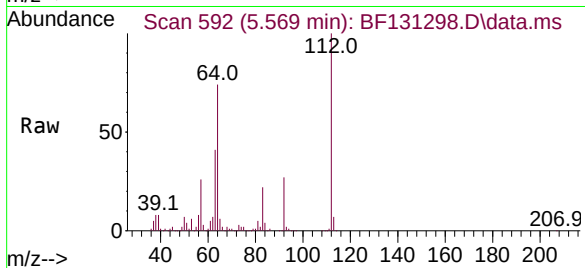
Tgt Ion: 42	Resp: 27393
Ion Ratio	Lower Upper
42 100	
74 96.5	70.3 105.5
44 7.3	5.4 8.2





#5
2-Fluorophenol
Concen: 85.712 ng
RT: 5.569 min Scan# 593
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

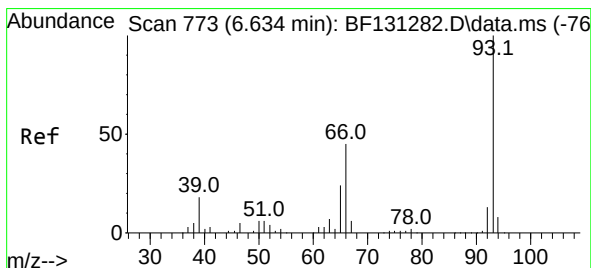
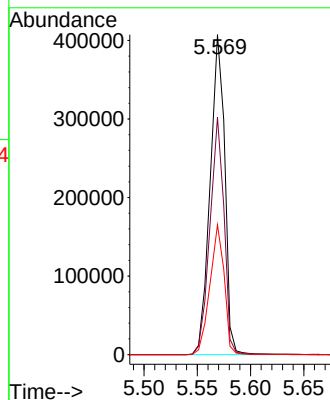
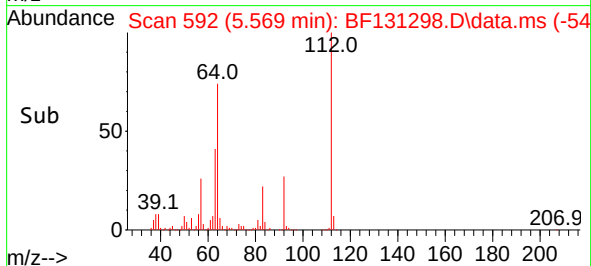
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:112 Resp: 388909
Ion Ratio Lower Upper
112 100
64 74.2 55.5 83.3
63 40.6 31.0 46.6

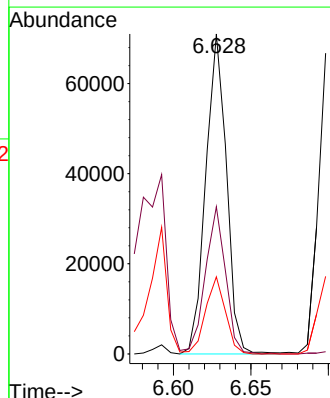
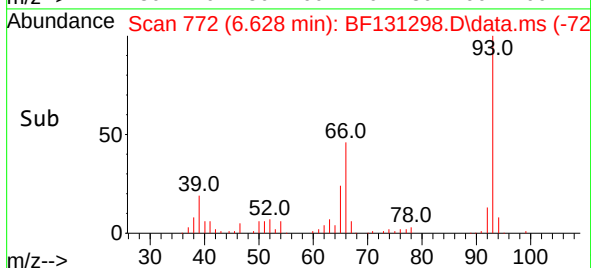
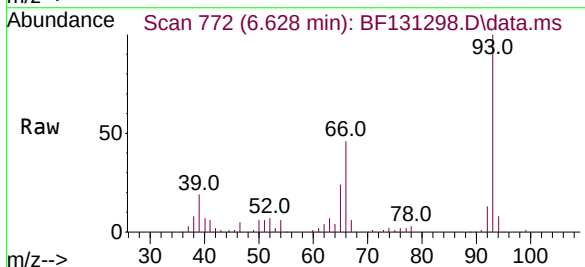
Manual Integrations
APPROVED

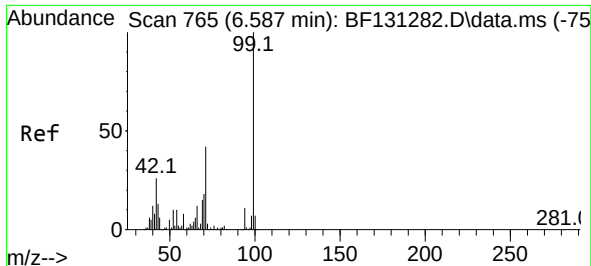
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#6
Aniline
Concen: 9.225 ng
RT: 6.628 min Scan# 772
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

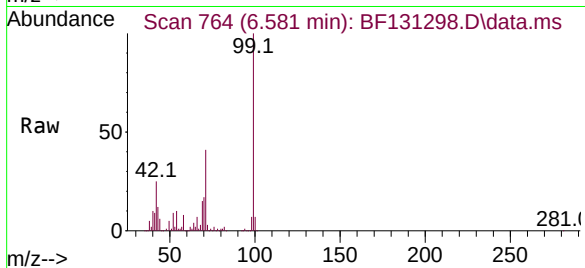
Tgt Ion: 93 Resp: 66414
Ion Ratio Lower Upper
93 100
66 46.0 37.7 56.5
65 24.1 19.5 29.3





#7
Phenol-d6
Concen: 84.187 ng
RT: 6.581 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

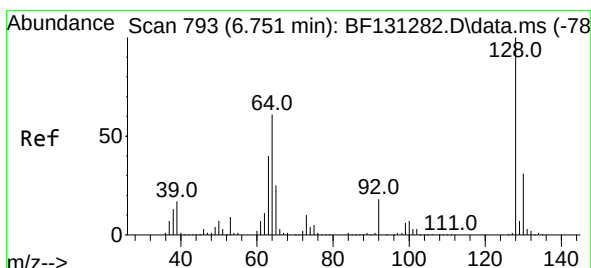
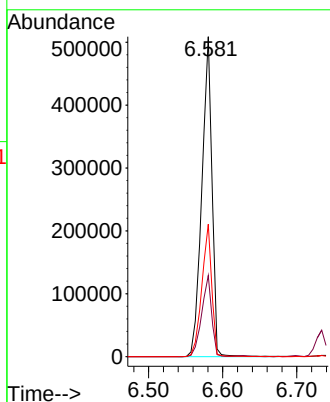
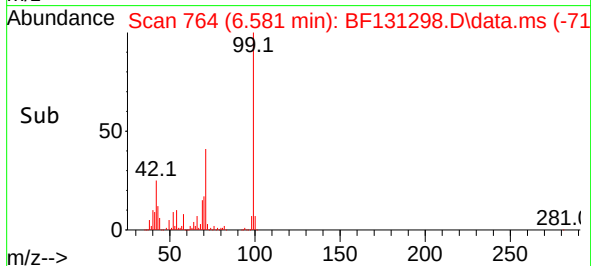
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion: 99 Resp: 484252
Ion Ratio Lower Upper
99 100
42 25.3 21.2 31.8
71 41.4 33.8 50.6

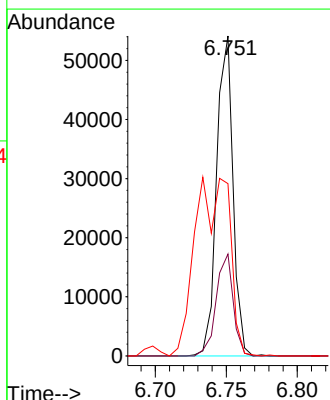
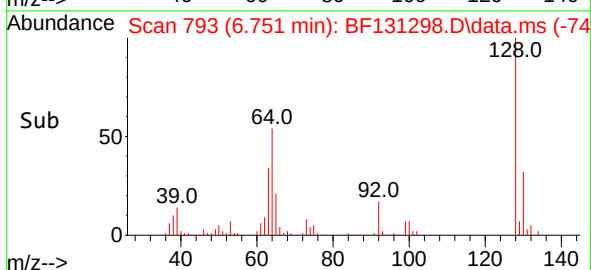
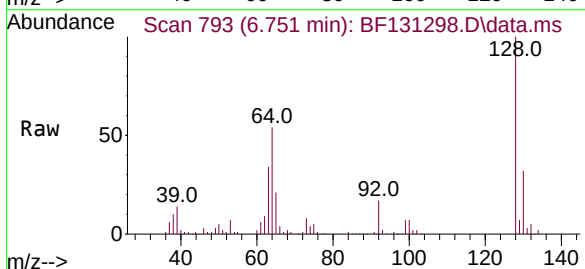
Manual Integrations
APPROVED

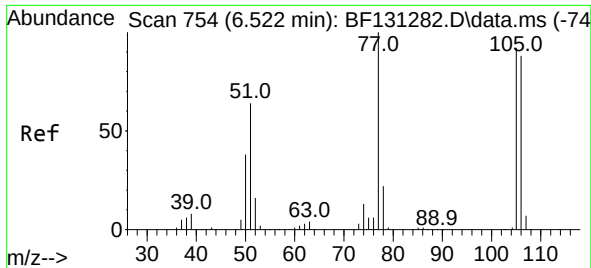
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#8
2-Chlorophenol
Concen: 8.647 ng
RT: 6.751 min Scan# 793
Delta R.T. -0.000 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

Tgt Ion:128 Resp: 43430
Ion Ratio Lower Upper
128 100
130 31.9 11.4 51.4
64 53.8 40.9 80.9





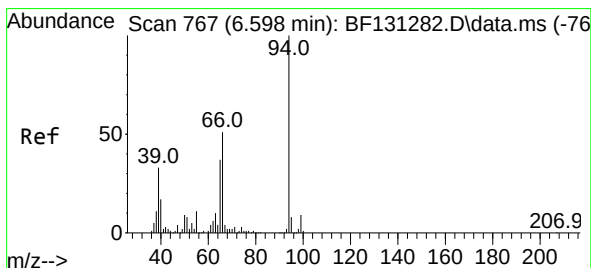
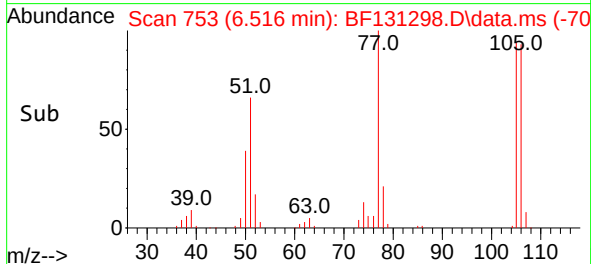
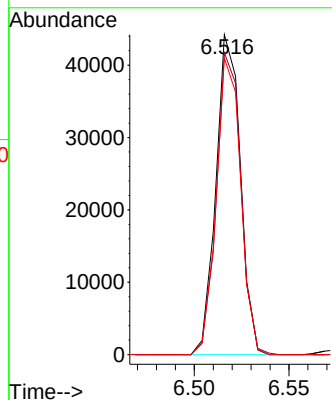
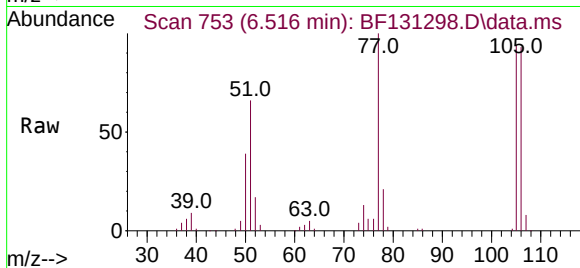
#9
Benzaldehyde
Concen: 9.514 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

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

Tgt Ion: 77 Resp: 39729
Ion Ratio Lower Upper
77 100
105 94.3 72.5 112.5
106 92.6 67.7 107.7

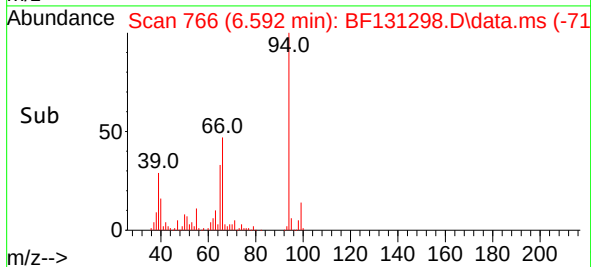
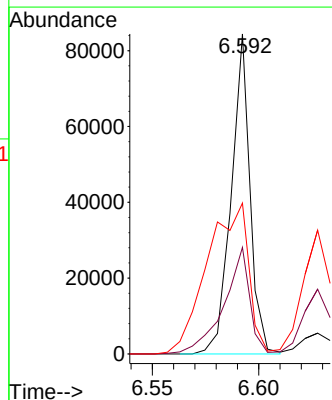
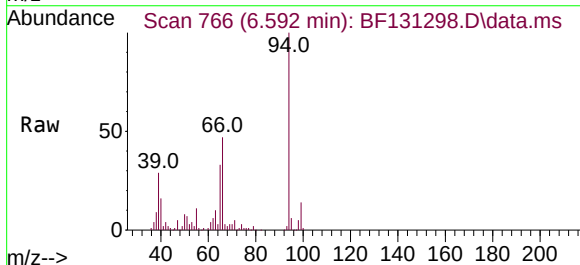
Manual Integrations
APPROVED

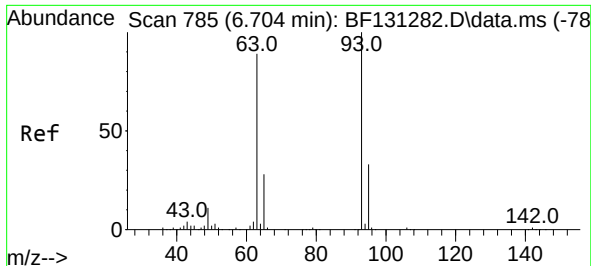
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#10
Phenol
Concen: 8.108 ng
RT: 6.592 min Scan# 766
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

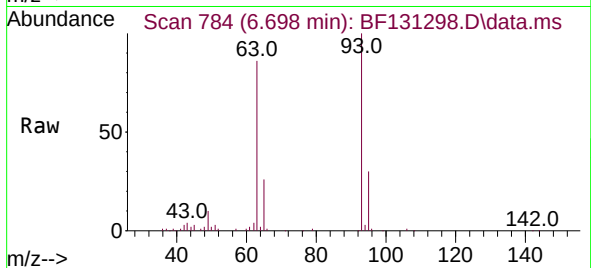
Tgt Ion: 94 Resp: 51622
Ion Ratio Lower Upper
94 100
65 33.3 16.8 56.8
66 47.1 31.4 71.4





#11
bis(2-Chloroethyl)ether
Concen: 8.608 ng
RT: 6.698 min Scan# 785
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

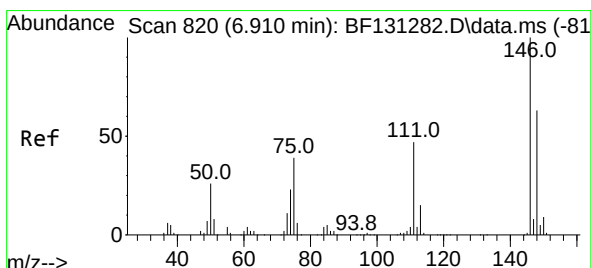
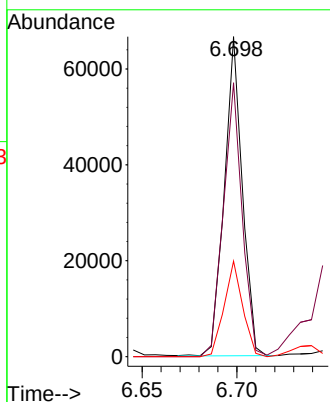
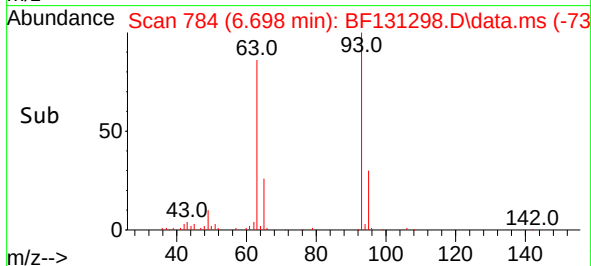
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion: 93 Resp: 44113
Ion Ratio Lower Upper
93 100
63 85.6 68.8 108.8
95 29.9 12.4 52.4

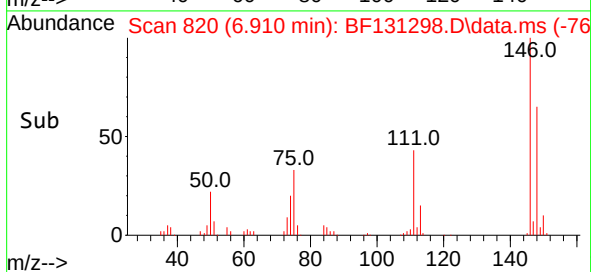
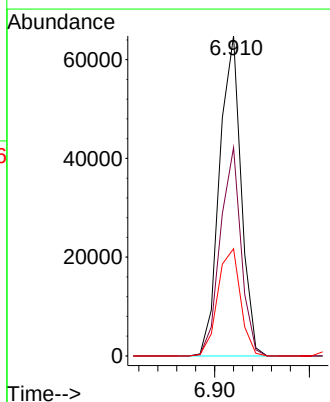
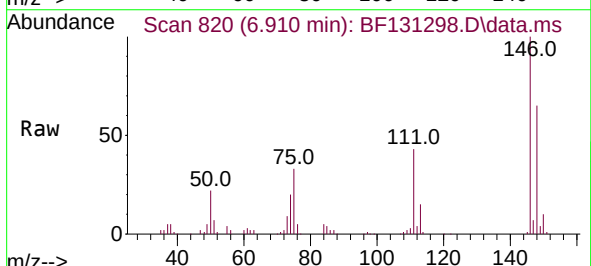
Manual Integrations
APPROVED

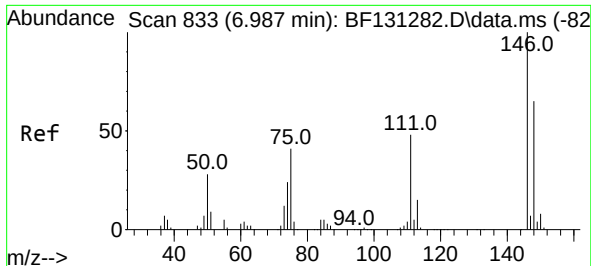
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#12
1,3-Dichlorobenzene
Concen: 8.560 ng
RT: 6.910 min Scan# 820
Delta R.T. -0.000 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

Tgt Ion:146 Resp: 51149
Ion Ratio Lower Upper
146 100
148 65.1 50.4 75.6
75 33.5 30.9 46.3





#13

1,4-Dichlorobenzene

Concen: 8.558 ng

RT: 6.986 min Scan# 841

Delta R.T. -0.000 min

Lab File: BF131298.D

Acq: 18 Nov 2022 15:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

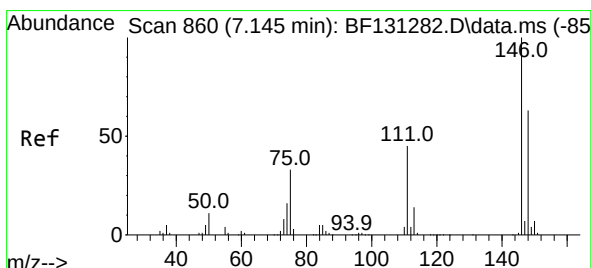
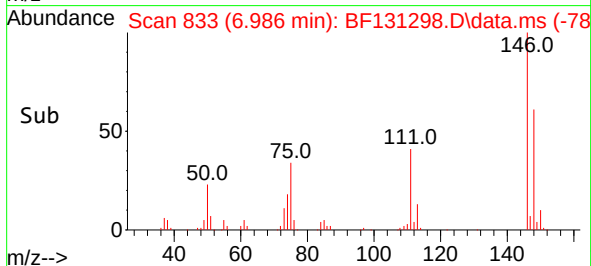
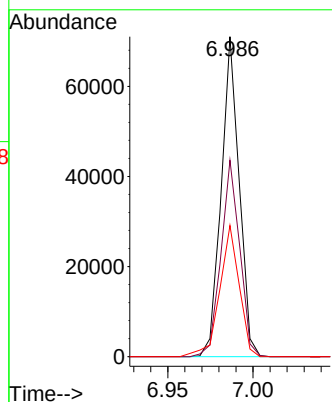
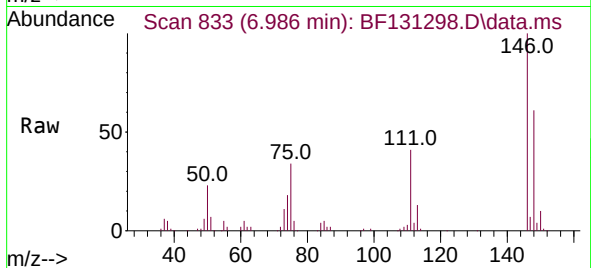
Tgt Ion:146	Resp:	51993
Ion Ratio	Lower	Upper
146	100	
148	61.4	51.9 77.9
111	41.0	38.3 57.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#14

1,2-Dichlorobenzene

Concen: 8.528 ng

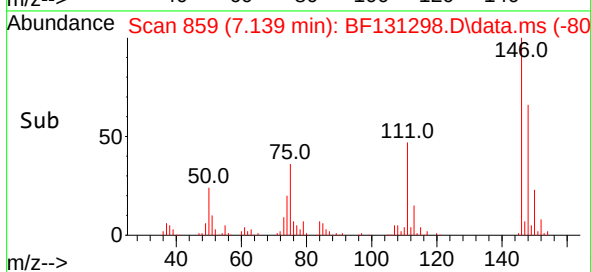
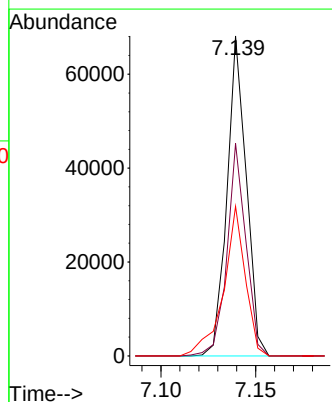
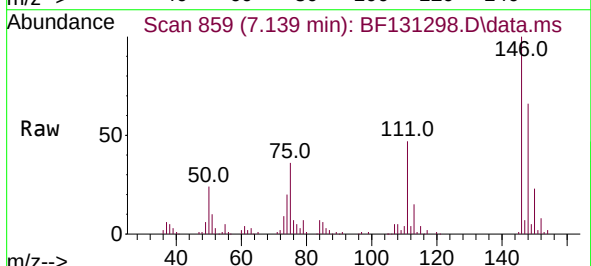
RT: 7.139 min Scan# 859

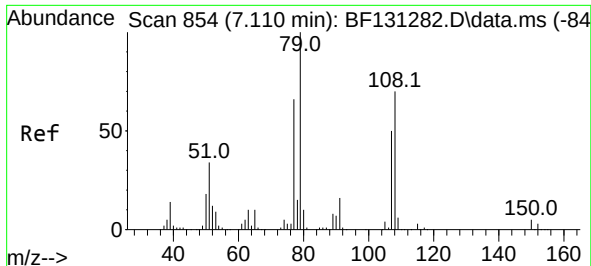
Delta R.T. -0.006 min

Lab File: BF131298.D

Acq: 18 Nov 2022 15:22

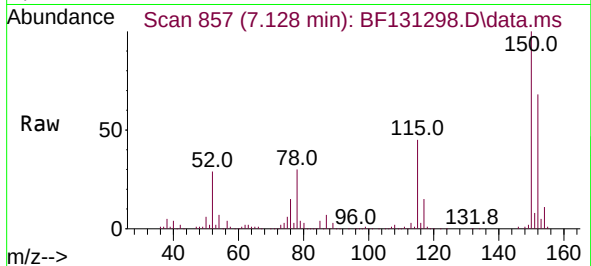
Tgt Ion:146	Resp:	48224
Ion Ratio	Lower	Upper
146	100	
148	66.4	50.6 75.8
111	46.7	36.4 54.6





#15
Benzyl Alcohol
Concen: 6.005 ng
RT: 7.128 min Scan# 854
Delta R.T. 0.017 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

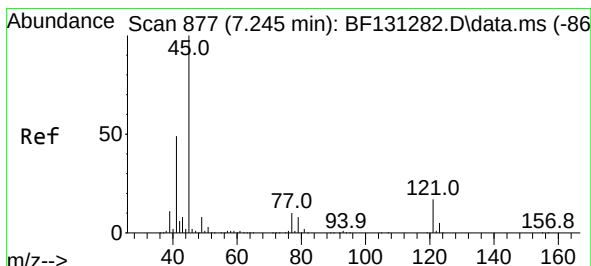
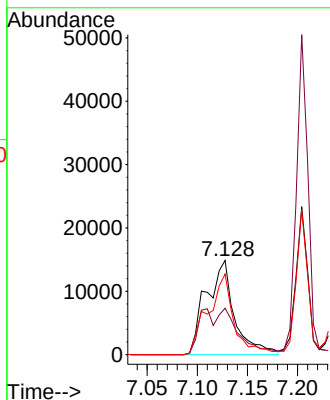
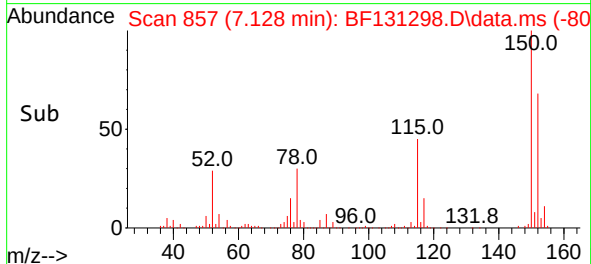
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion: 79 Resp: 2942
Ion Ratio Lower Upper
79 100
108 49.2 56.3 84.5
77 85.6 52.5 78.7

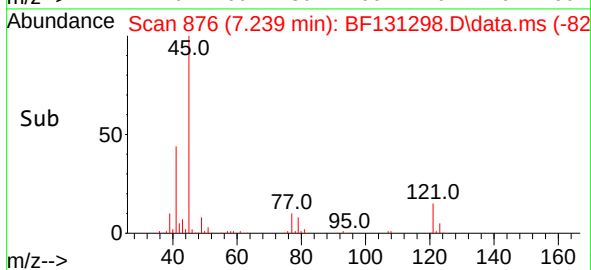
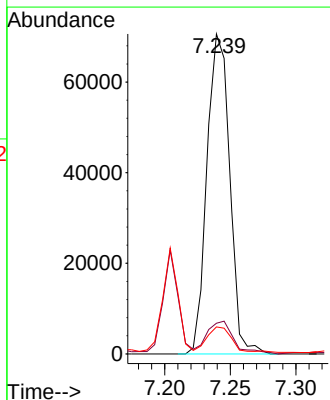
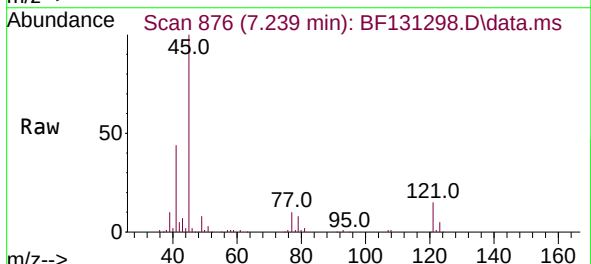
Manual Integrations
APPROVED

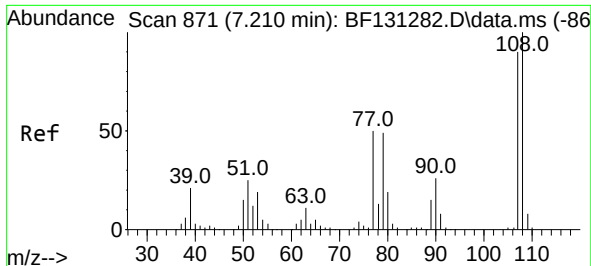
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 8.802 ng
RT: 7.239 min Scan# 876
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

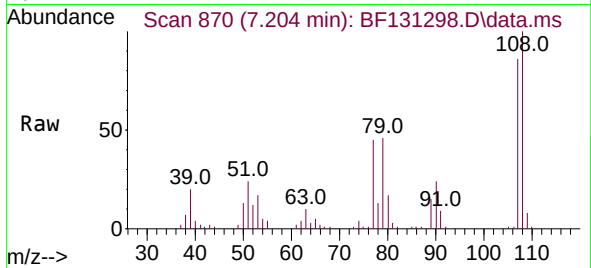
Tgt Ion: 45 Resp: 85405
Ion Ratio Lower Upper
45 100
77 9.6 0.0 30.8
79 8.4 0.0 28.4





#17
2-Methylphenol
Concen: 7.935 ng
RT: 7.204 min Scan# 871
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

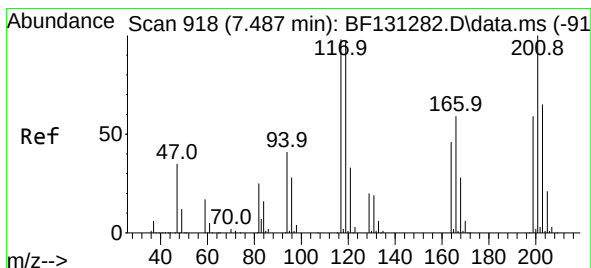
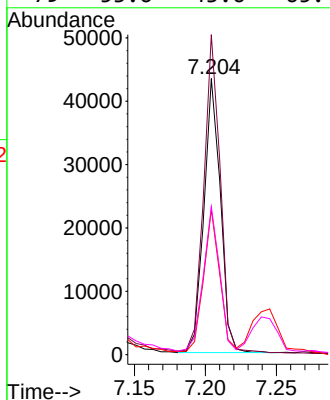
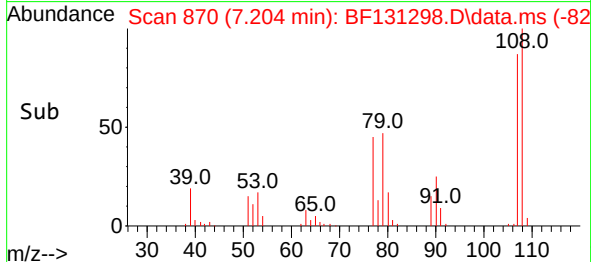
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:107 Resp: 3484
Ion Ratio Lower Upper
107 100
108 115.9 89.2 133.8
77 52.6 45.0 67.4
79 53.6 43.6 65.4

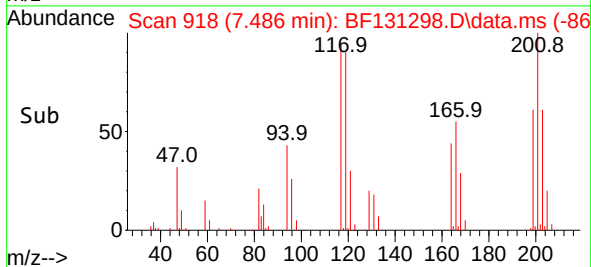
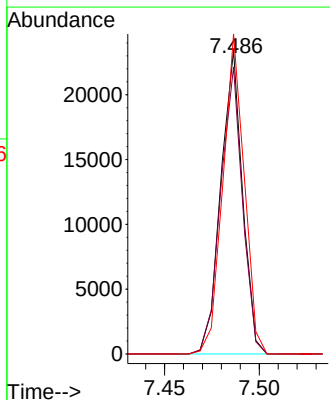
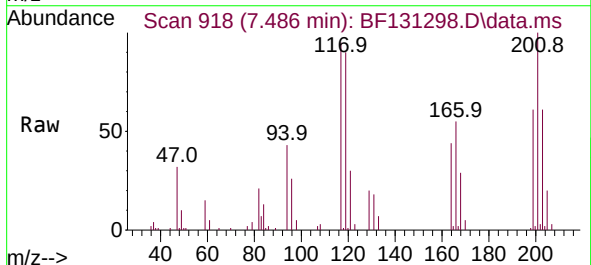
Manual Integrations
APPROVED

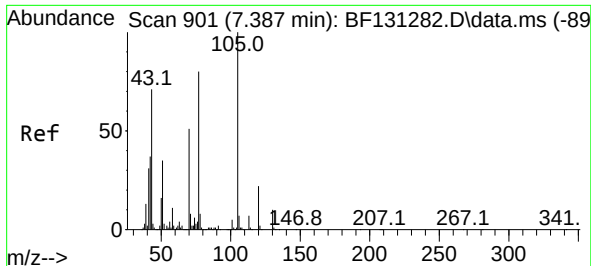
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#18
Hexachloroethane
Concen: 8.616 ng
RT: 7.486 min Scan# 918
Delta R.T. -0.000 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

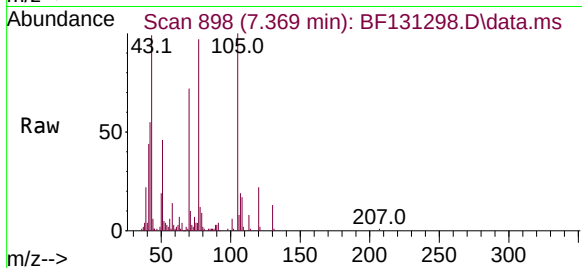
Tgt Ion:117 Resp: 18612
Ion Ratio Lower Upper
117 100
119 94.5 79.0 118.4
201 105.4 81.7 122.5





#19
n-Nitroso-di-n-propylamine
Concen: 8.433 ng
RT: 7.369 min Scan# 895
Delta R.T. -0.018 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

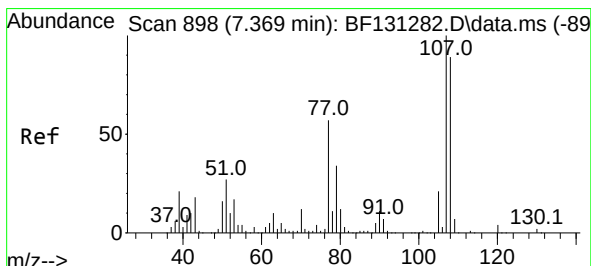
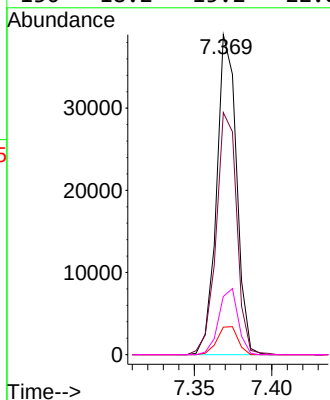
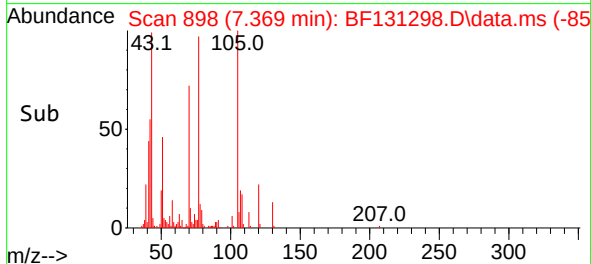
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



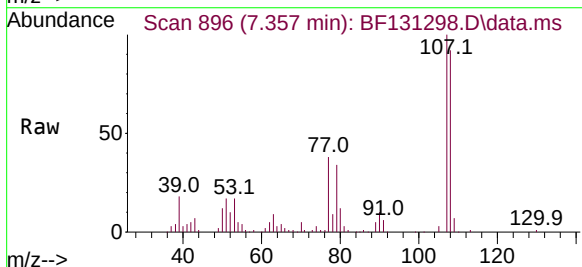
Tgt Ion:	70	Resp:	34890
Ion Ratio	Lower	Upper	
70	100		
42	75.6	58.9	88.3
101	8.6	7.2	10.8
130	18.2	15.2	22.8

Manual Integrations
APPROVED

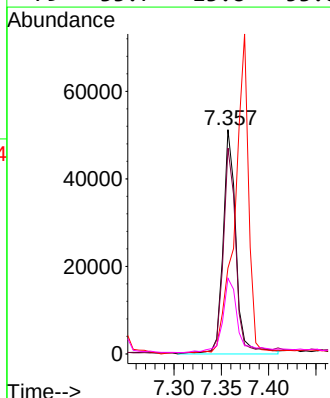
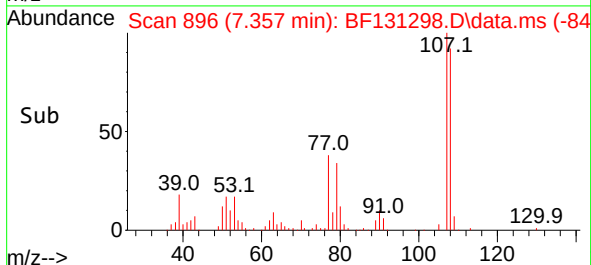
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

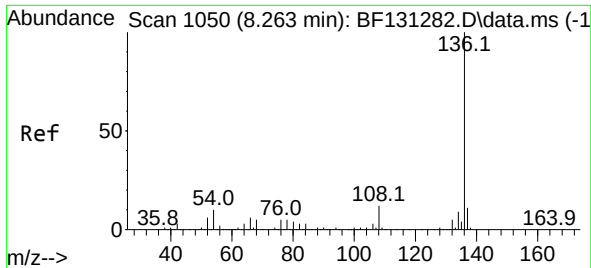


#20
3+4-Methylphenols
Concen: 8.633 ng
RT: 7.357 min Scan# 896
Delta R.T. -0.012 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22



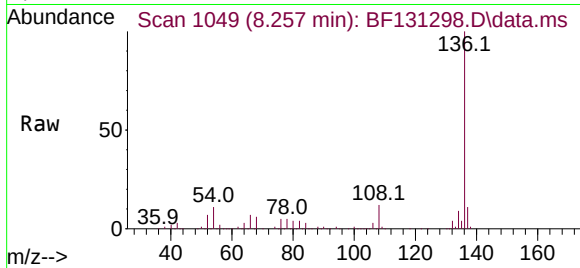
Tgt Ion:	107	Resp:	48413
Ion Ratio	Lower	Upper	
107	100		
108	91.8	69.0	109.0
77	38.3	36.9	76.9
79	33.7	13.8	53.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.257 min Scan# 1049
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

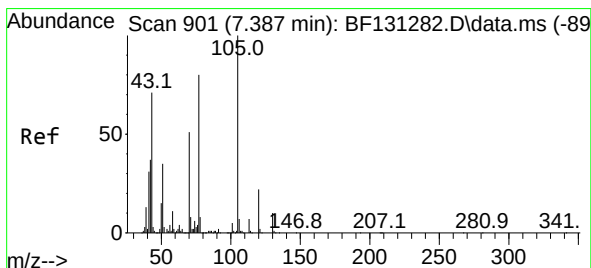
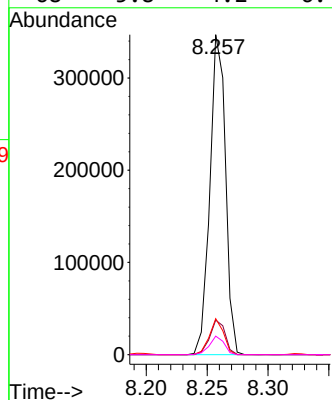
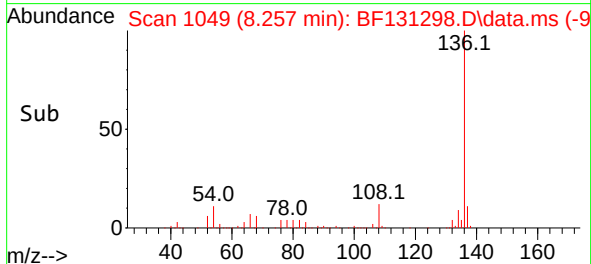
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2022



Tgt Ion:	136	Resp:	310210
Ion	Ratio	Lower	Upper
136	100		
137	10.8	8.6	12.8
54	11.2	8.2	12.2
68	5.8	4.2	6.4

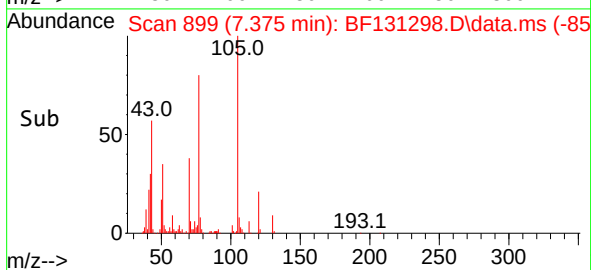
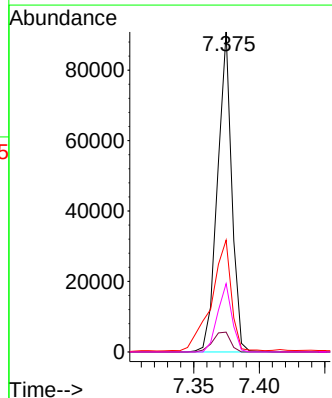
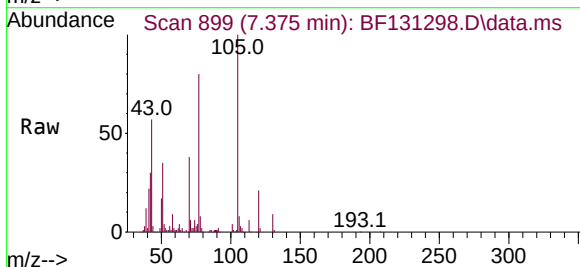
Manual Integrations
APPROVED

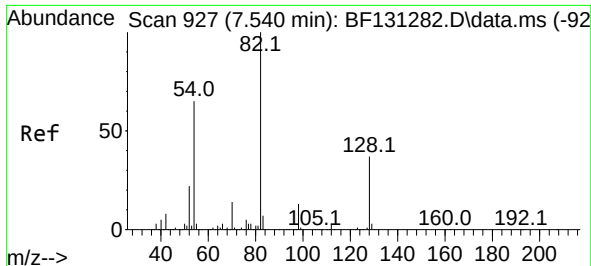
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#22
Acetophenone
Concen: 8.350 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

Tgt Ion:	105	Resp:	68447
Ion	Ratio	Lower	Upper
105	100		
71	6.2	6.4	9.6#
51	34.9	28.0	42.0
120	21.3	17.7	26.5





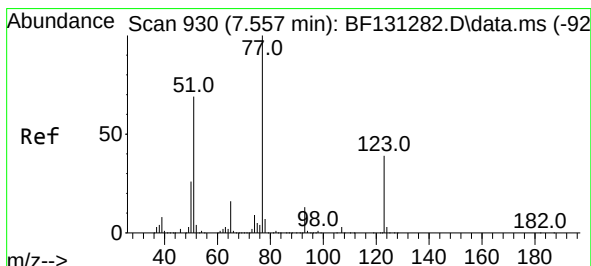
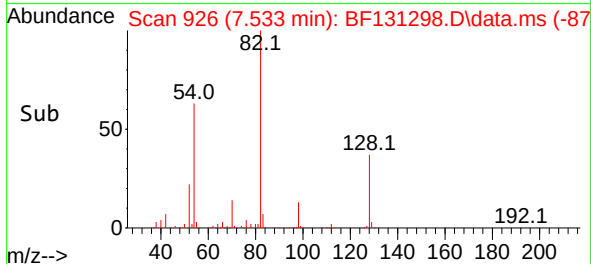
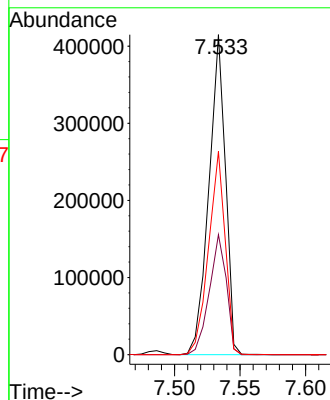
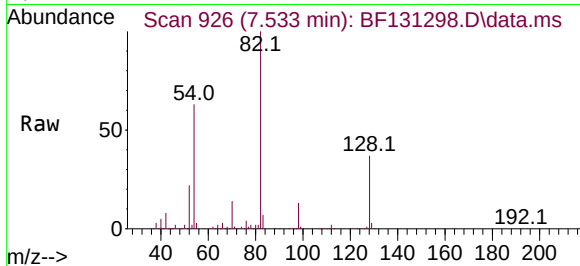
#23
Nitrobenzene-d5
Concen: 62.996 ng
RT: 7.533 min Scan# 91
Delta R.T. -0.007 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

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

Tgt Ion: 82 Resp: 365833
Ion Ratio Lower Upper
82 100
128 37.5 29.2 43.8
54 63.5 52.2 78.4

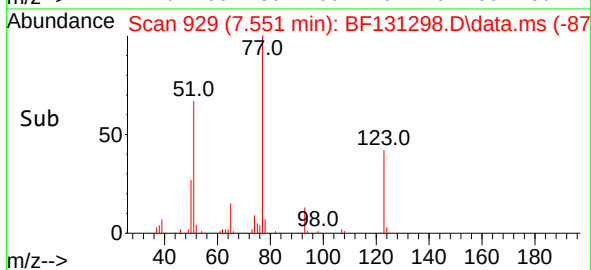
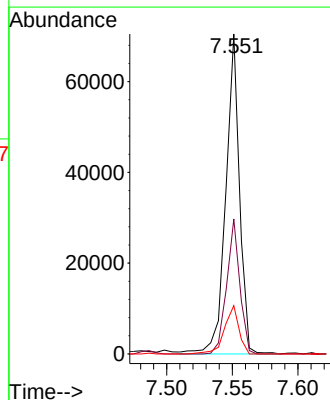
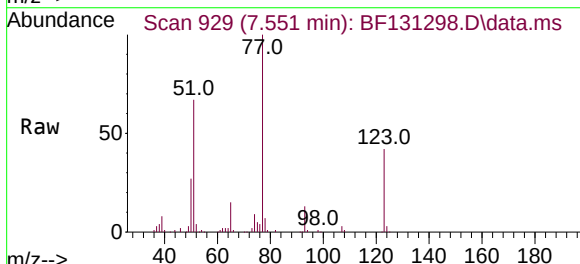
Manual Integrations
APPROVED

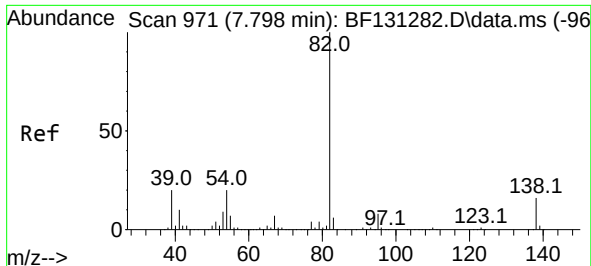
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#24
Nitrobenzene
Concen: 8.767 ng
RT: 7.551 min Scan# 929
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

Tgt Ion: 77 Resp: 51534
Ion Ratio Lower Upper
77 100
123 42.2 31.0 46.6
65 15.1 12.6 19.0





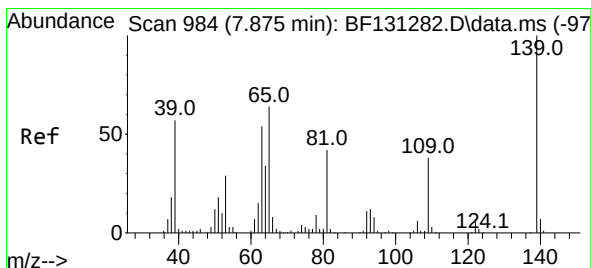
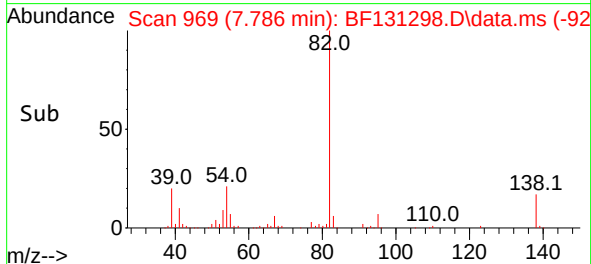
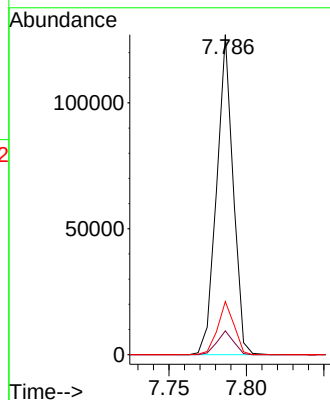
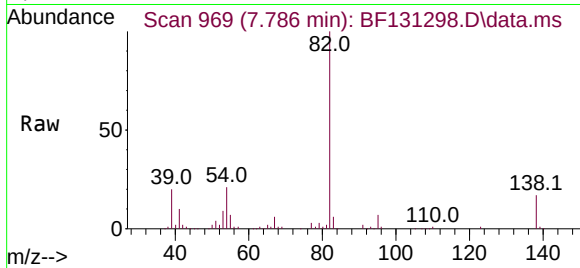
#25
Isophorone
Concen: 8.510 ng
RT: 7.786 min Scan# 94
Delta R.T. -0.012 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

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

Tgt Ion: 82 Resp: 94358
Ion Ratio Lower Upper
82 100
95 7.4 6.6 9.8
138 16.6 13.0 19.6

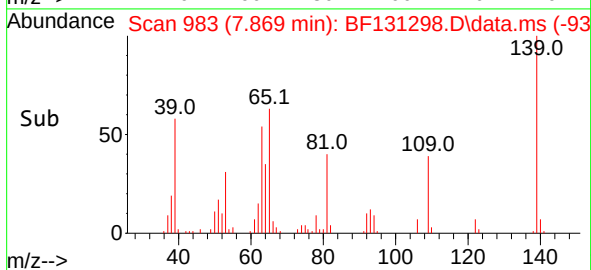
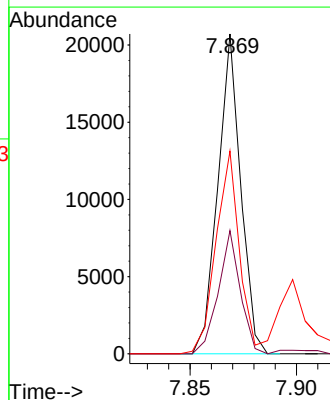
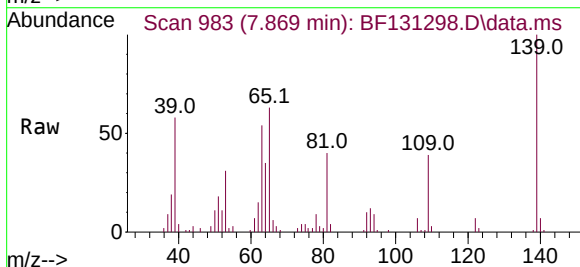
Manual Integrations
APPROVED

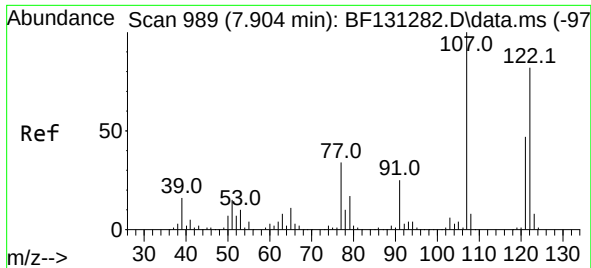
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#26
2-Nitrophenol
Concen: 8.293 ng
RT: 7.869 min Scan# 983
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

Tgt Ion:139 Resp: 15440
Ion Ratio Lower Upper
139 100
109 38.5 30.4 45.6
65 63.4 51.5 77.3





#27

2,4-Dimethylphenol

Concen: 9.201 ng

RT: 7.898 min Scan# 98

Delta R.T. -0.006 min

Lab File: BF131298.D

Acq: 18 Nov 2022 15:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

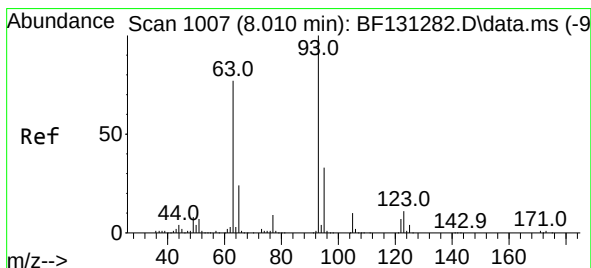
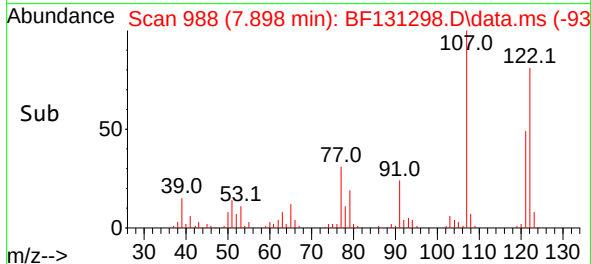
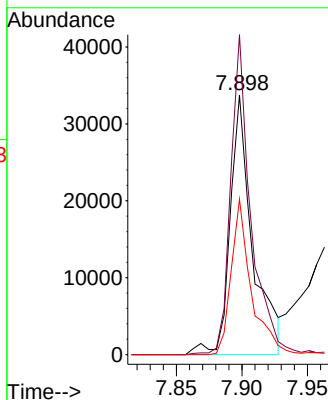
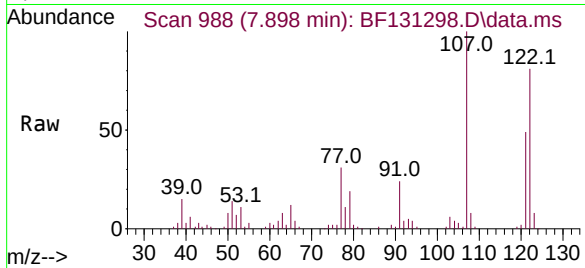
Tgt Ion:	122	Resp:	4010
Ion Ratio	Lower	Upper	
122	100		
107	123.2	98.2	147.2
121	59.8	46.3	69.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#28

bis(2-Chloroethoxy)methane

Concen: 9.150 ng

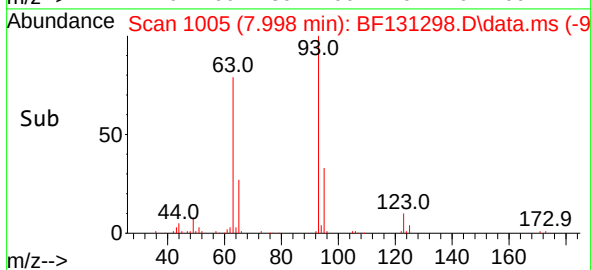
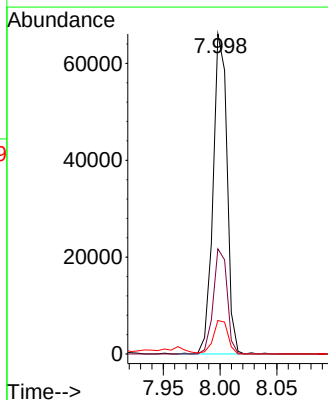
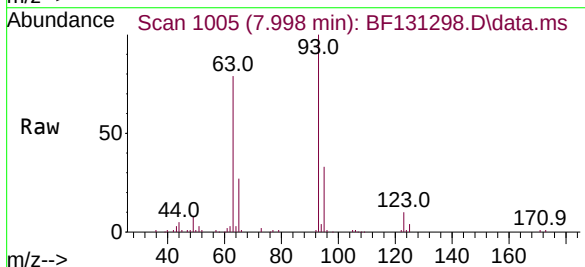
RT: 7.998 min Scan# 1005

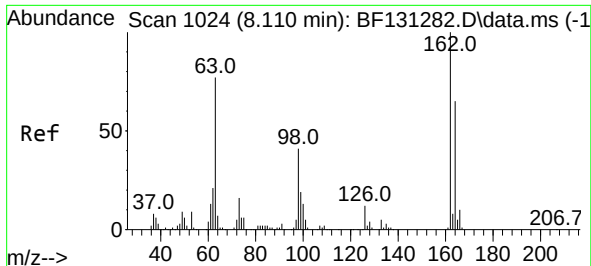
Delta R.T. -0.012 min

Lab File: BF131298.D

Acq: 18 Nov 2022 15:22

Tgt Ion:	93	Resp:	56665
Ion Ratio	Lower	Upper	
93	100		
95	32.8	26.4	39.6
123	10.4	9.3	13.9





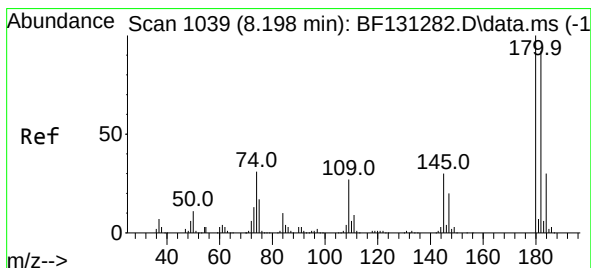
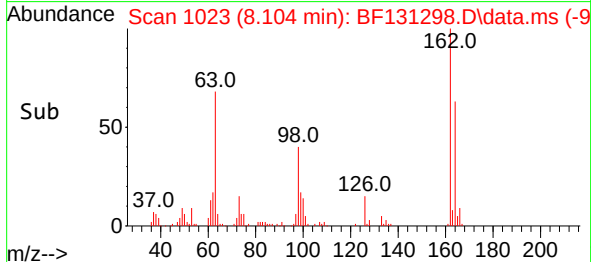
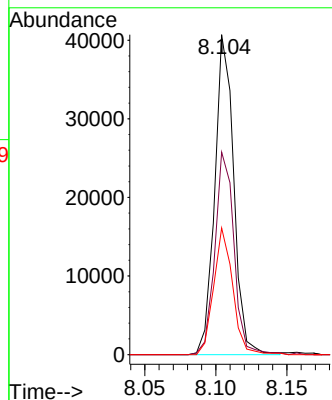
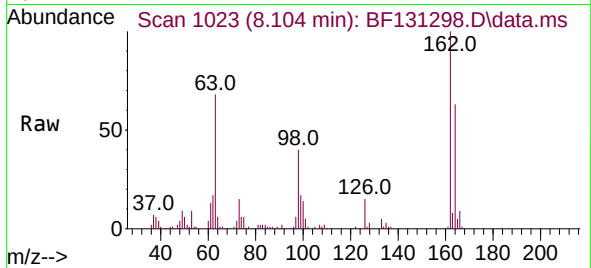
#29
2,4-Dichlorophenol
Concen: 8.124 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

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

Tgt Ion:162 Resp: 37925
Ion Ratio Lower Upper
162 100
164 63.3 44.7 84.7
98 39.6 21.5 61.5

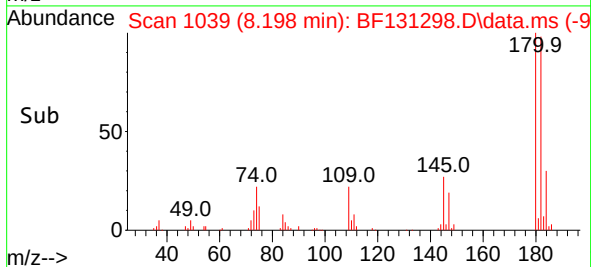
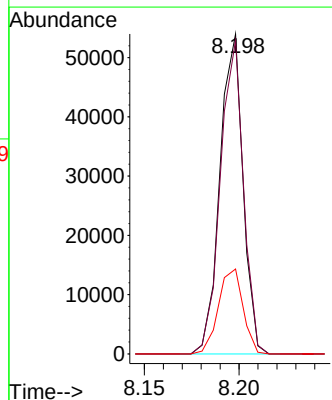
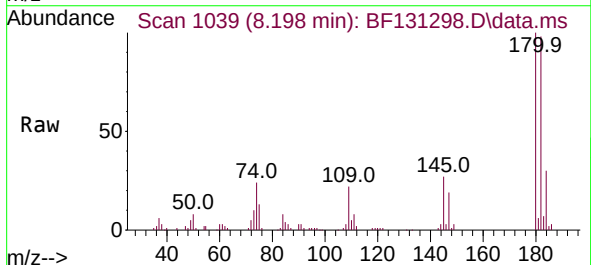
Manual Integrations
APPROVED

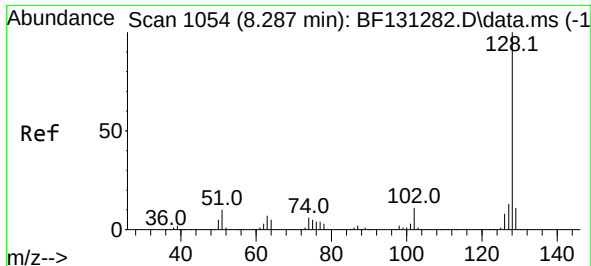
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#30
1,2,4-Trichlorobenzene
Concen: 7.873 ng
RT: 8.198 min Scan# 1039
Delta R.T. 0.000 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

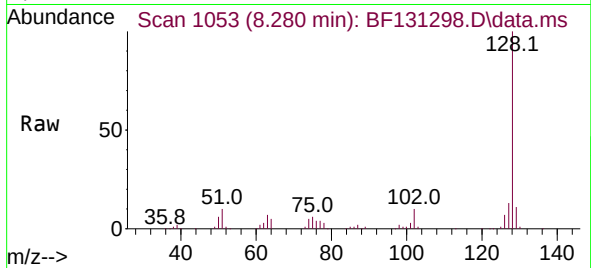
Tgt Ion:180 Resp: 45631
Ion Ratio Lower Upper
180 100
182 98.0 74.0 111.0
145 26.5 23.8 35.6





#31
Naphthalene
Concen: 8.008 ng
RT: 8.280 min Scan# 1054
Delta R.T. -0.007 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

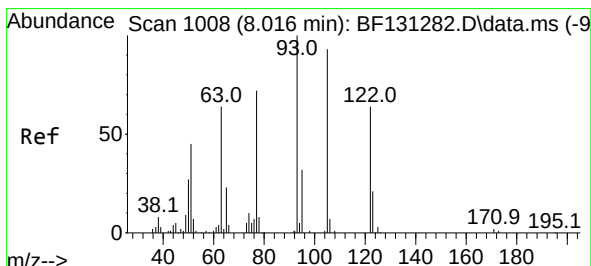
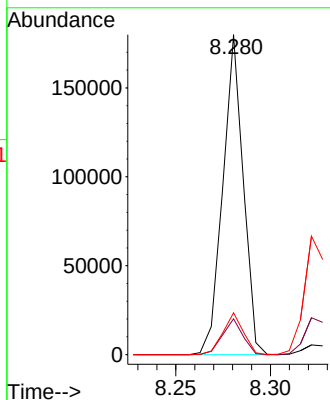
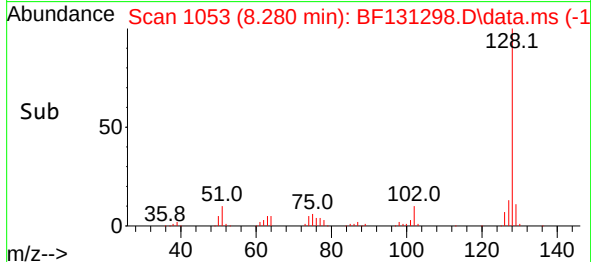
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



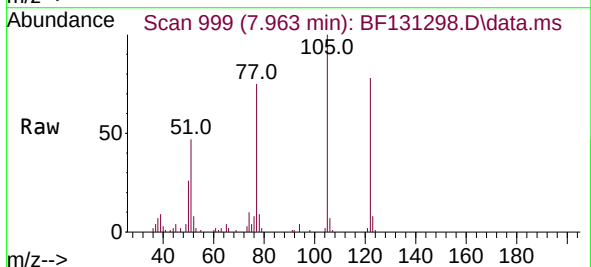
Tgt Ion:128 Resp: 134709
Ion Ratio Lower Upper
128 100
129 11.2 8.6 13.0
127 13.1 10.6 16.0

Manual Integrations
APPROVED

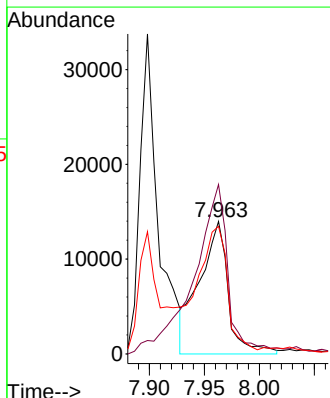
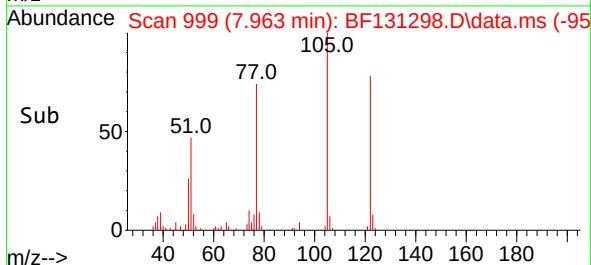
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

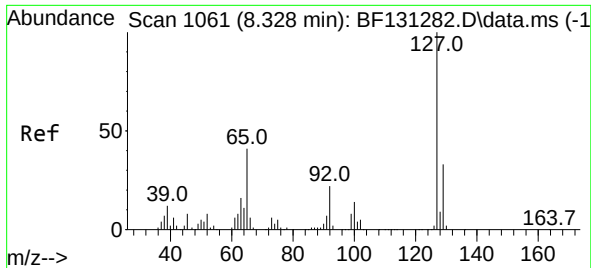


#32
Benzoic acid
Concen: 9.832 ng m
RT: 7.963 min Scan# 999
Delta R.T. -0.053 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22



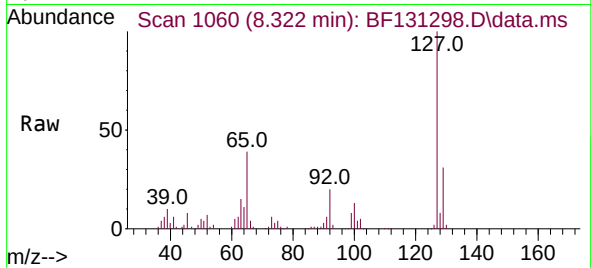
Tgt Ion:122 Resp: 25638
Ion Ratio Lower Upper
122 100
105 127.9 121.4 161.4
77 96.4 91.2 131.2





#33
4-Chloroaniline
Concen: 8.458 ng
RT: 8.322 min Scan# 1060
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

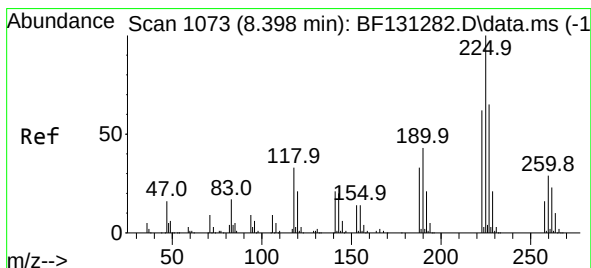
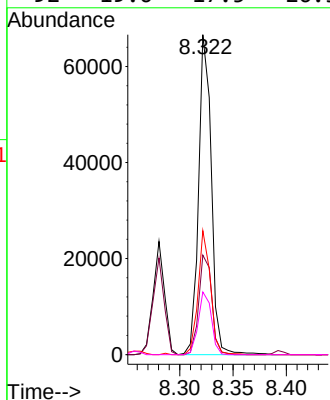
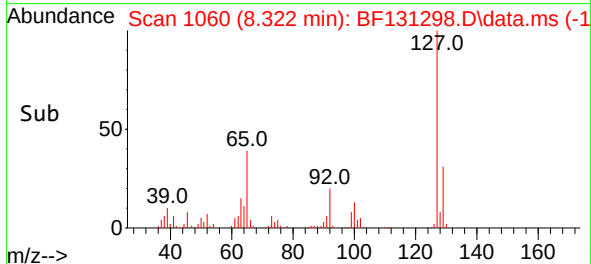
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2022



Tgt Ion:127 Resp: 55266
Ion Ratio Lower Upper
127 100
129 31.1 26.6 40.0
65 38.7 33.2 49.8
92 19.6 17.5 26.3

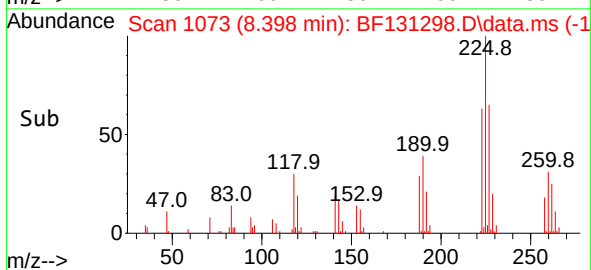
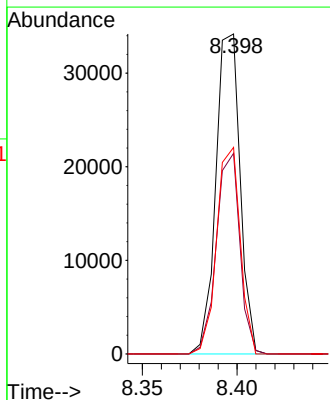
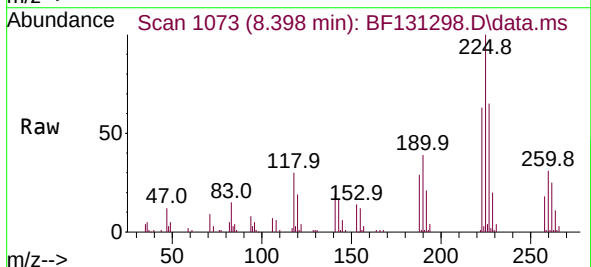
Manual Integrations
APPROVED

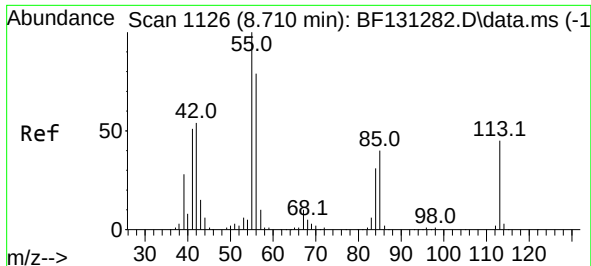
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#34
Hexachlorobutadiene
Concen: 7.976 ng
RT: 8.398 min Scan# 1073
Delta R.T. -0.000 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

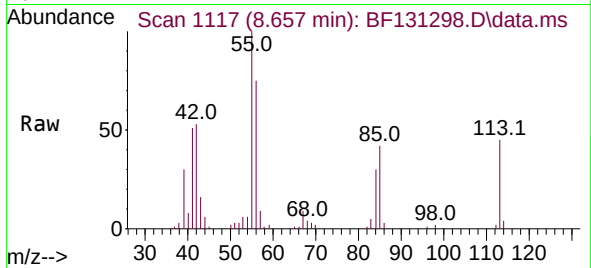
Tgt Ion:225 Resp: 30549
Ion Ratio Lower Upper
225 100
223 62.7 49.4 74.2
227 64.5 51.7 77.5





#35
 Caprolactam
 Concen: 8.783 ng
 RT: 8.657 min Scan# 1117
 Delta R.T. -0.053 min
 Lab File: BF131298.D
 Acq: 18 Nov 2022 15:22

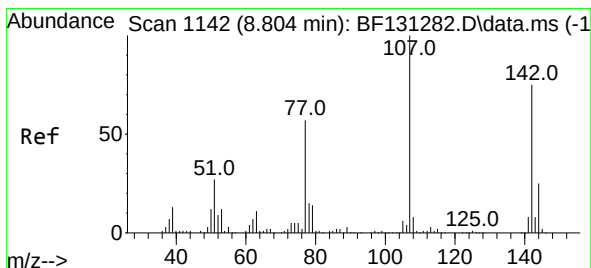
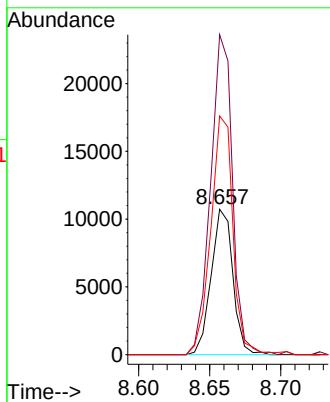
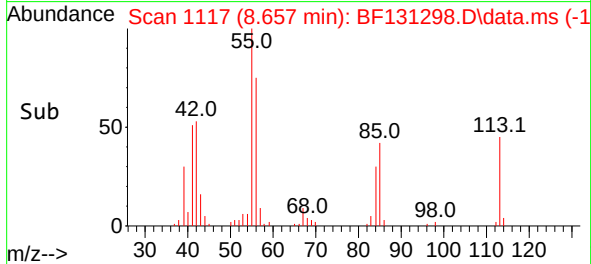
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022



Tgt Ion:113 Resp: 11416
 Ion Ratio Lower Upper
 113 100
 55 220.1 200.6 240.6
 56 164.1 154.5 194.5

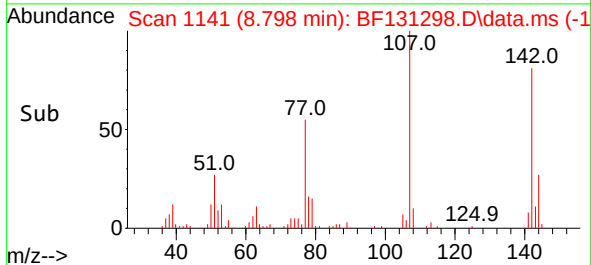
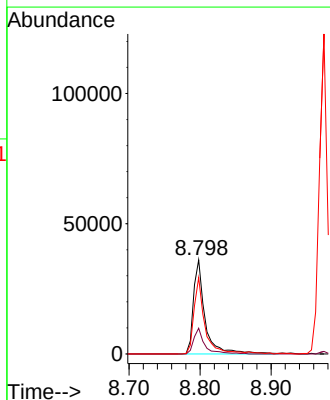
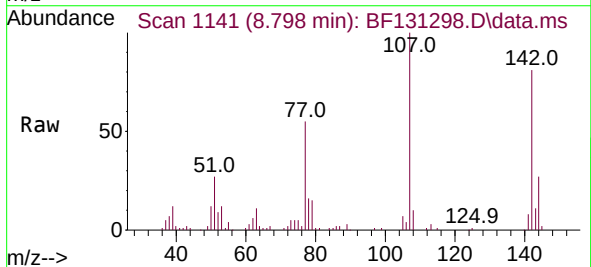
Manual Integrations
 APPROVED

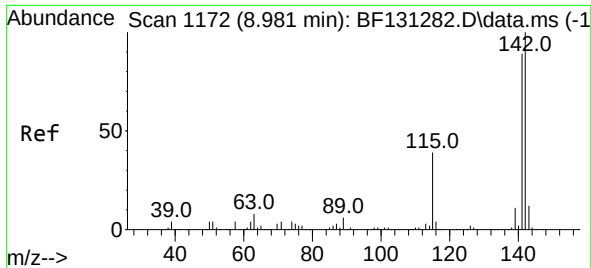
Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022



#36
 4-Chloro-3-methylphenol
 Concen: 8.119 ng
 RT: 8.798 min Scan# 1141
 Delta R.T. -0.006 min
 Lab File: BF131298.D
 Acq: 18 Nov 2022 15:22

Tgt Ion:107 Resp: 40850
 Ion Ratio Lower Upper
 107 100
 144 27.3 19.6 29.4
 142 81.2 60.1 90.1





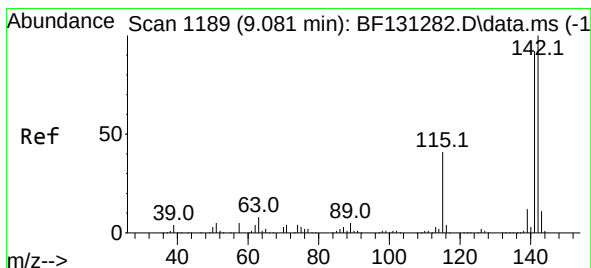
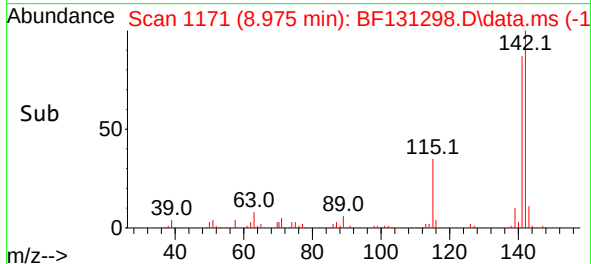
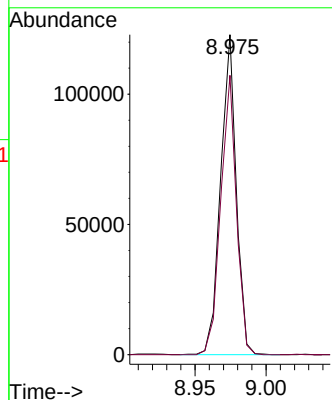
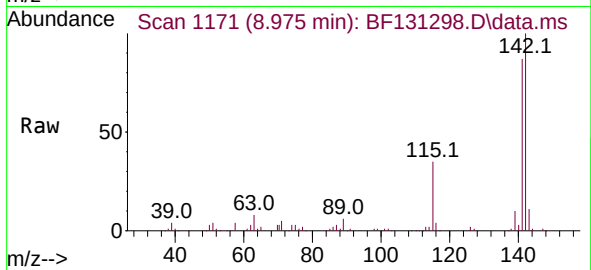
#37
2-Methylnaphthalene
Concen: 8.287 ng
RT: 8.975 min Scan# 1171
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

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

Tgt Ion:142 Resp: 93953
Ion Ratio Lower Upper
142 100
141 87.3 71.4 107.2

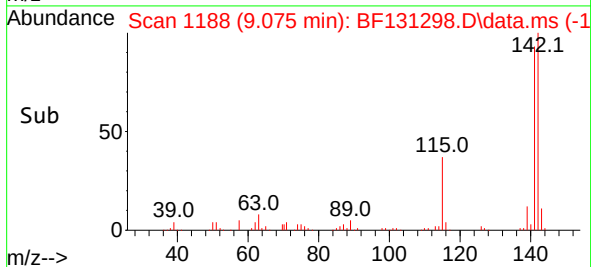
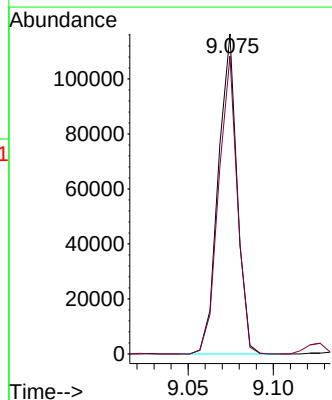
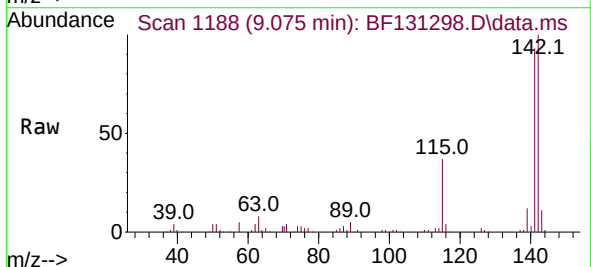
Manual Integrations
APPROVED

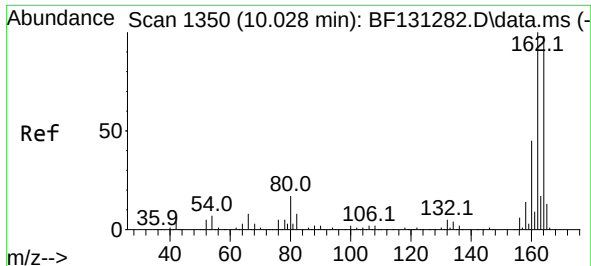
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#38
1-Methylnaphthalene
Concen: 8.109 ng
RT: 9.075 min Scan# 1188
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

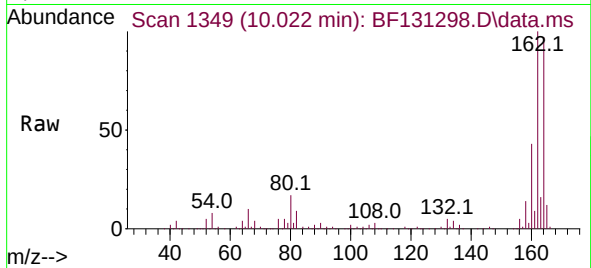
Tgt Ion:142 Resp: 89083
Ion Ratio Lower Upper
142 100
141 93.0 74.0 111.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.022 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

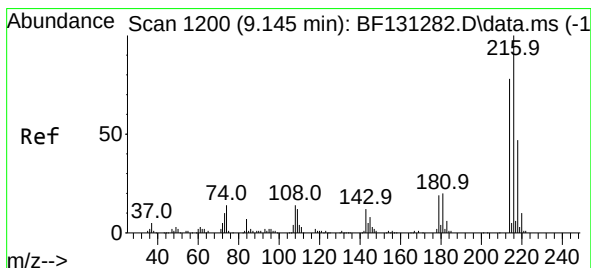
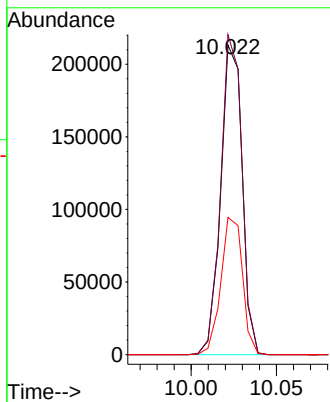
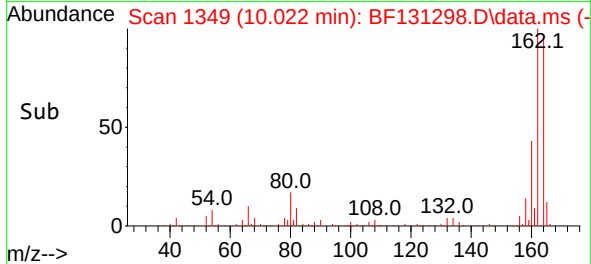
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2022



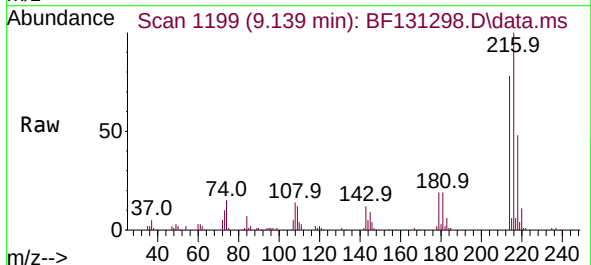
Tgt Ion:164 Resp: 186515
Ion Ratio Lower Upper
164 100
162 103.4 81.8 122.6
160 44.3 36.6 54.8

Manual Integrations
APPROVED

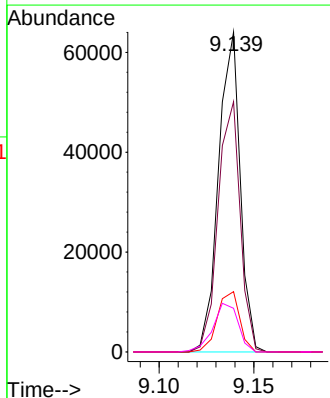
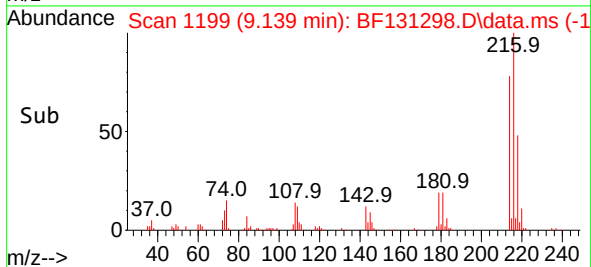
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

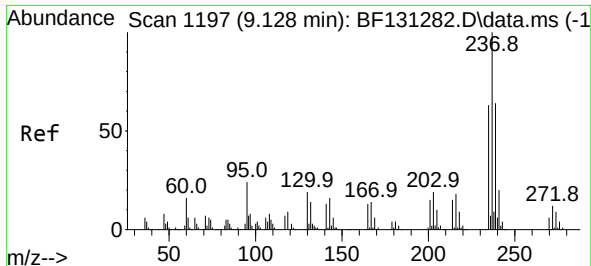


#40
1,2,4,5-Tetrachlorobenzene
Concen: 8.334 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22



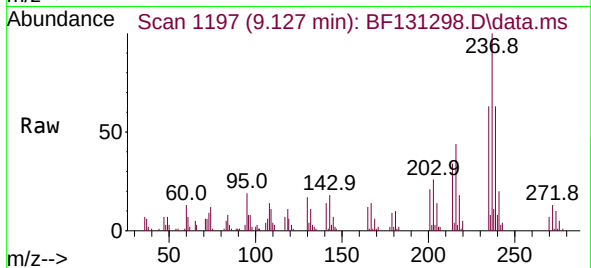
Tgt Ion:216 Resp: 50857
Ion Ratio Lower Upper
216 100
214 79.8 62.5 93.7
179 19.6 16.7 25.1
108 17.8 14.7 22.1





#41
Hexachlorocyclopentadiene
Concen: 8.179 ng
RT: 9.127 min Scan# 1197
Delta R.T. -0.001 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

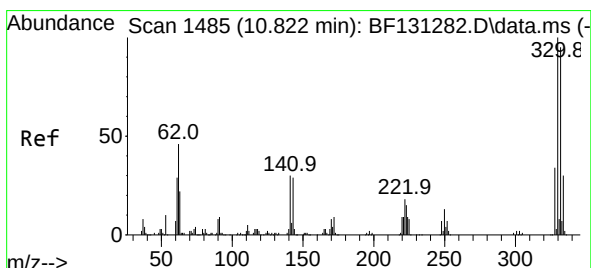
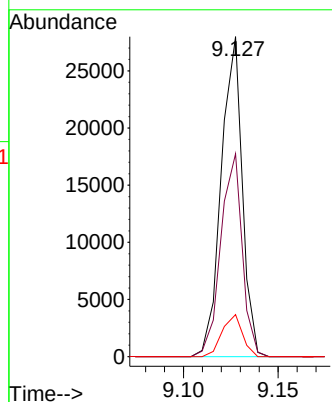
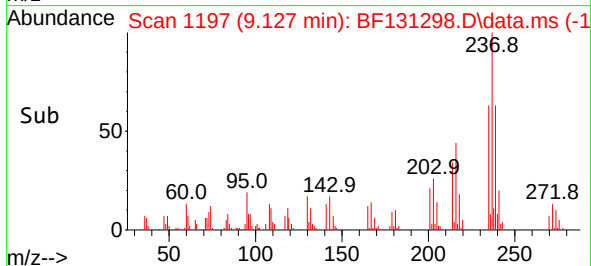
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



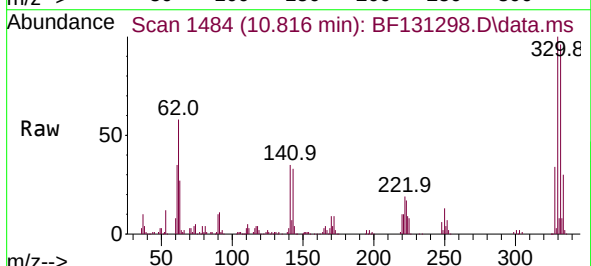
Tgt Ion: 237 Resp: 21593
Ion Ratio Lower Upper
237 100
235 63.4 42.7 82.7
272 13.1 0.0 31.6

Manual Integrations
APPROVED

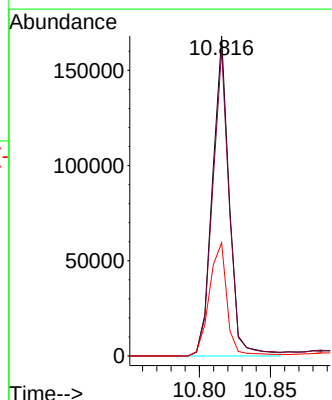
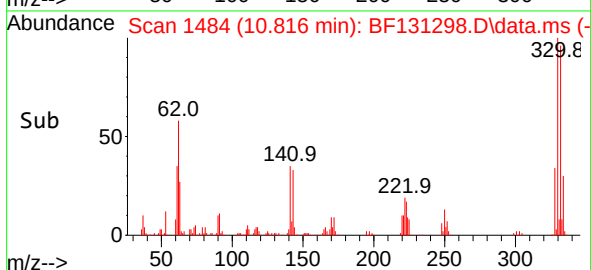
Reviewed By : Christian Giraldo 11/21/2022
Supervised By : Jagrut Upadhyay 11/21/2022

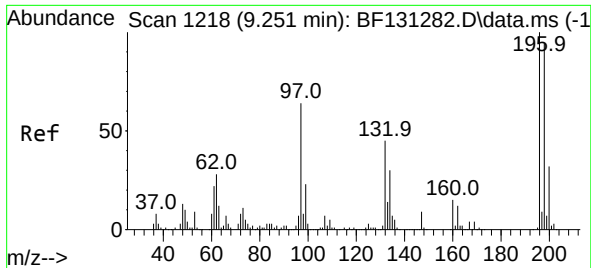


#42
2,4,6-Tribromophenol
Concen: 83.153 ng
RT: 10.816 min Scan# 1484
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22



Tgt Ion: 330 Resp: 138064
Ion Ratio Lower Upper
330 100
332 96.5 75.4 113.0
141 37.7 30.0 45.0





#43

2,4,6-Trichlorophenol

Concen: 5.710 ng

RT: 9.245 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF131298.D

Acq: 18 Nov 2022 15:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

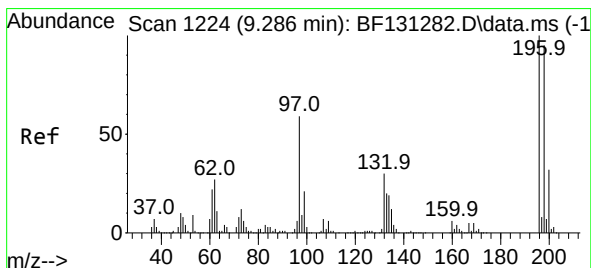
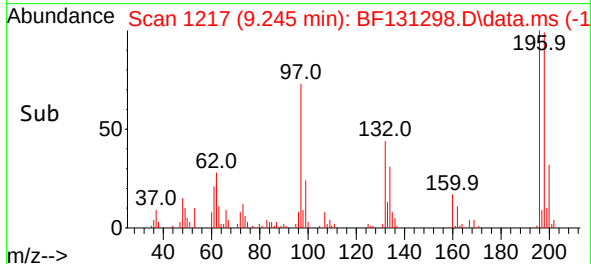
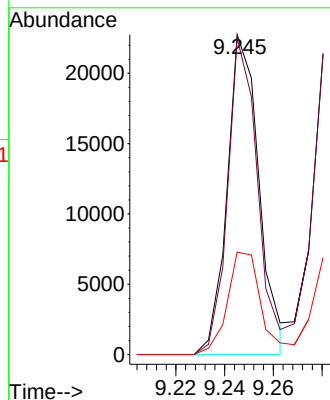
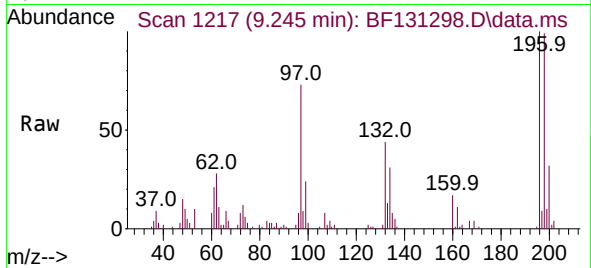
Tgt Ion:196	Resp:	20719
Ion Ratio	Lower	Upper
196	100	
198	98.9	74.8 112.2
200	32.0	25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#44

2,4,5-Trichlorophenol

Concen: 8.419 ng

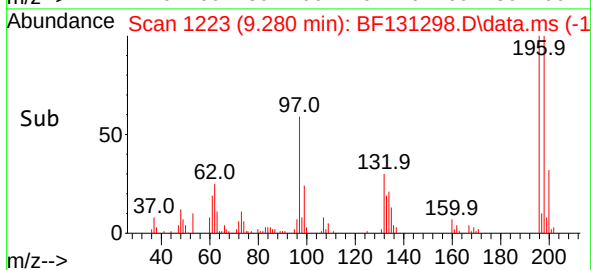
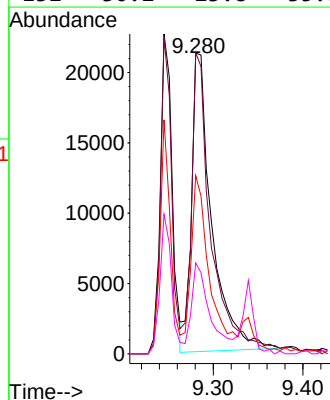
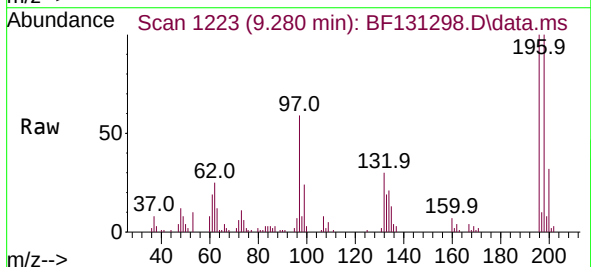
RT: 9.280 min Scan# 1223

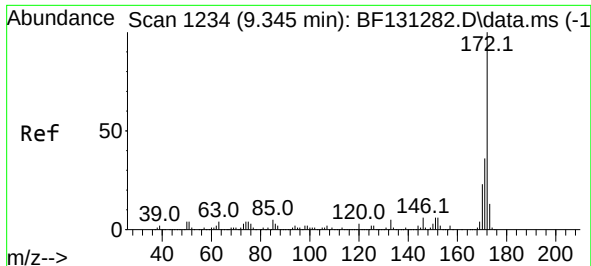
Delta R.T. -0.006 min

Lab File: BF131298.D

Acq: 18 Nov 2022 15:22

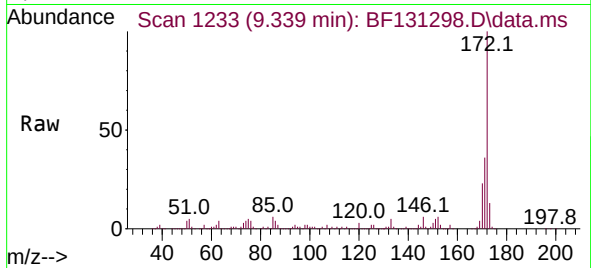
Tgt Ion:196	Resp:	33284
Ion Ratio	Lower	Upper
196	100	
198	100.1	75.6 113.4
97	59.3	47.4 71.0
132	30.2	23.8 35.8





#45
2-Fluorobiphenyl
Concen: 58.277 ng
RT: 9.339 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

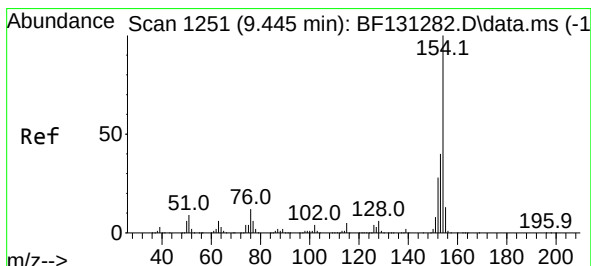
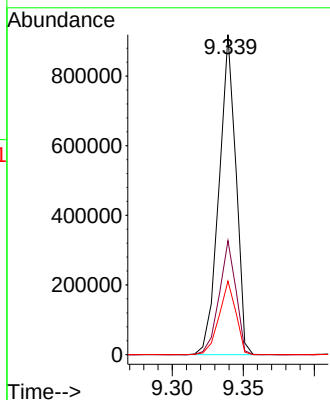
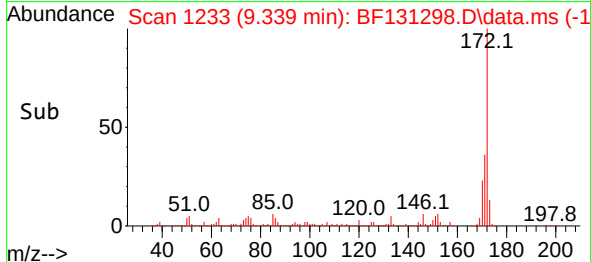
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:172 Resp: 76103
Ion Ratio Lower Upper
172 100
171 35.7 28.5 42.7
170 23.0 18.5 27.7

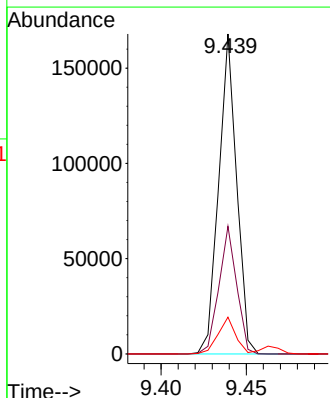
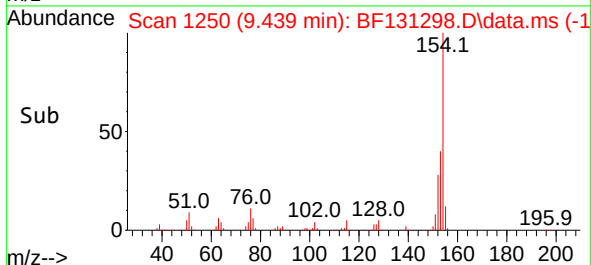
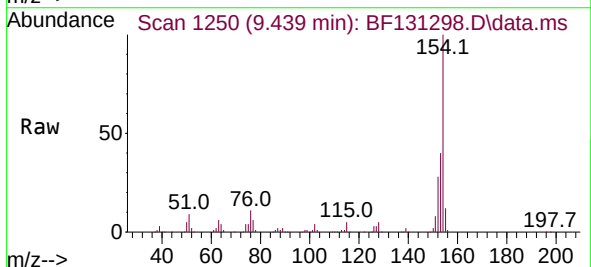
Manual Integrations
APPROVED

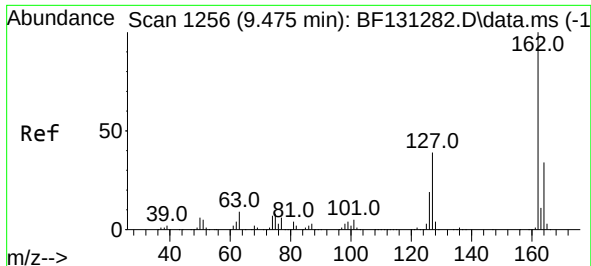
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#46
1,1'-Biphenyl
Concen: 8.530 ng
RT: 9.439 min Scan# 1250
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

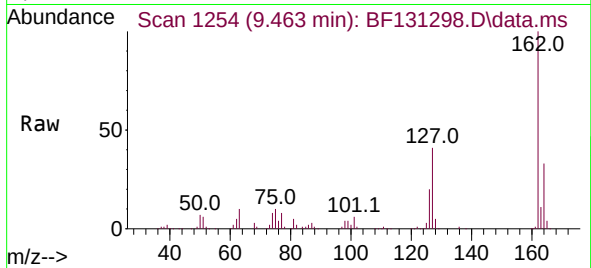
Tgt Ion:154 Resp: 122858
Ion Ratio Lower Upper
154 100
153 39.9 20.1 60.1
76 11.5 0.0 31.8





#47
2-Chloronaphthalene
Concen: 8.070 ng
RT: 9.463 min Scan# 1256
Delta R.T. -0.012 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

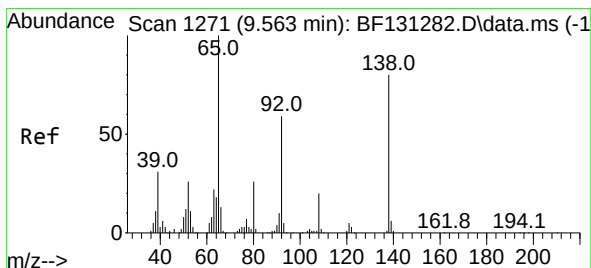
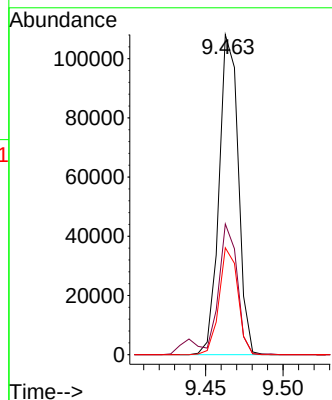
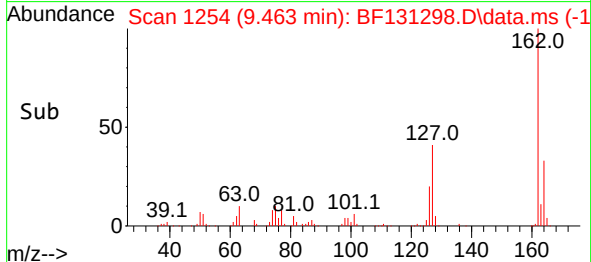
Instrument : BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:162 Resp: 93315
Ion Ratio Lower Upper
162 100
127 40.8 31.1 46.7
164 33.4 26.9 40.3

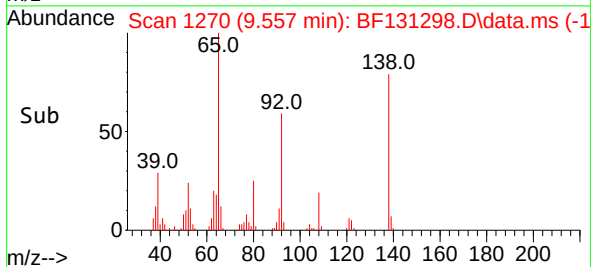
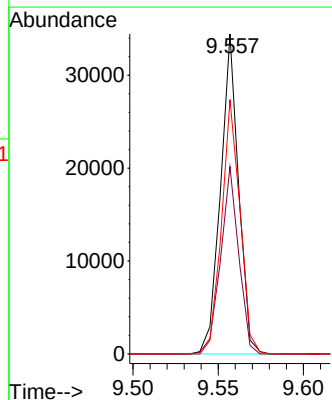
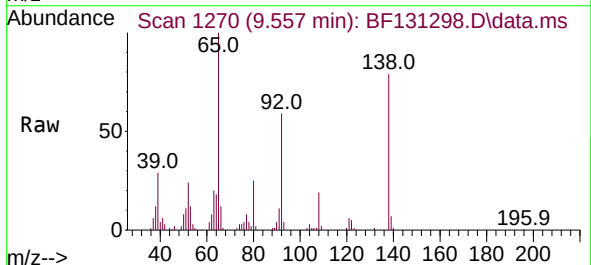
Manual Integrations
APPROVED

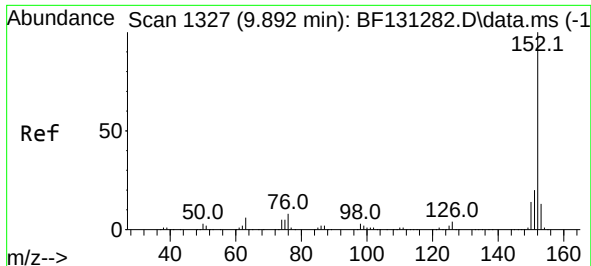
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#48
2-Nitroaniline
Concen: 7.900 ng
RT: 9.557 min Scan# 1270
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

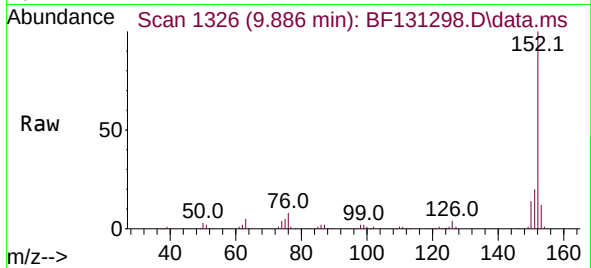
Tgt Ion: 65 Resp: 25253
Ion Ratio Lower Upper
65 100
92 58.5 47.2 70.8
138 79.5 64.2 96.4





#49
Acenaphthylene
Concen: 8.107 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

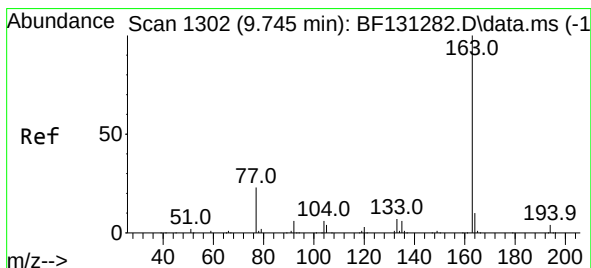
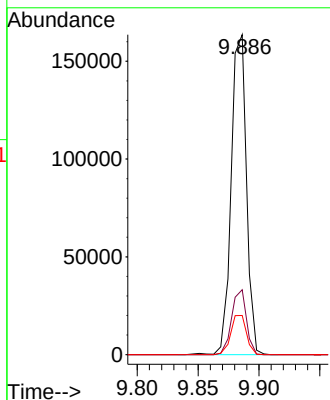
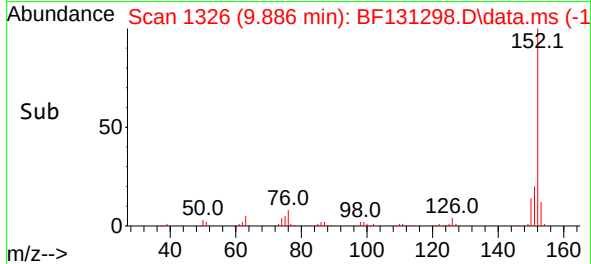
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



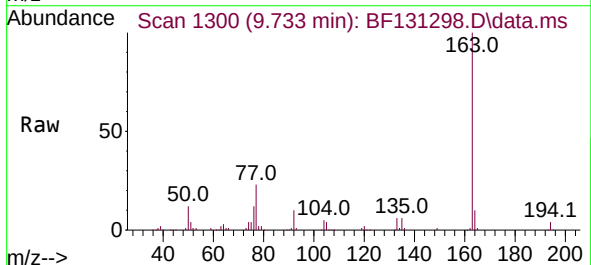
Tgt Ion:152 Resp: 143206
Ion Ratio Lower Upper
152 100
151 20.3 15.9 23.9
153 12.2 10.4 15.6

Manual Integrations
APPROVED

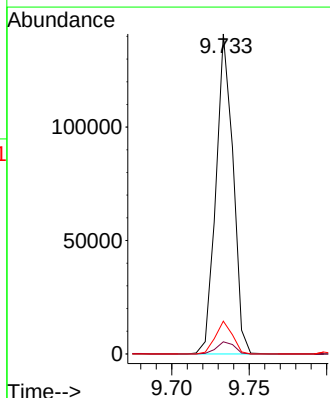
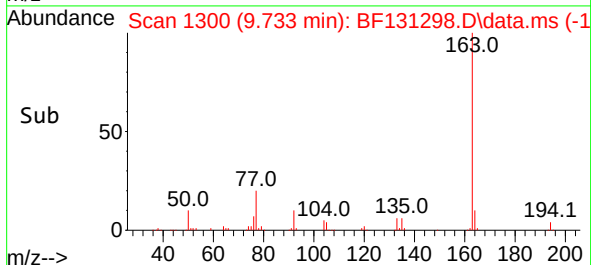
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

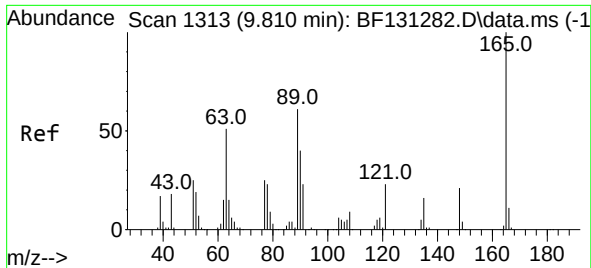


#50
Dimethylphthalate
Concen: 8.025 ng
RT: 9.733 min Scan# 1300
Delta R.T. -0.012 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22



Tgt Ion:163 Resp: 108381
Ion Ratio Lower Upper
163 100
194 3.8 3.1 4.7
164 10.2 8.4 12.6





#51

2,6-Dinitrotoluene

Concen: 8.366 ng

RT: 9.798 min Scan# 1311

Delta R.T. -0.012 min

Lab File: BF131298.D

Acq: 18 Nov 2022 15:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

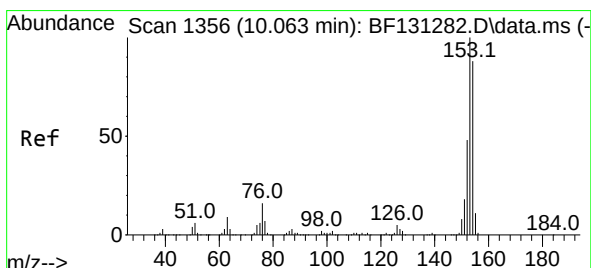
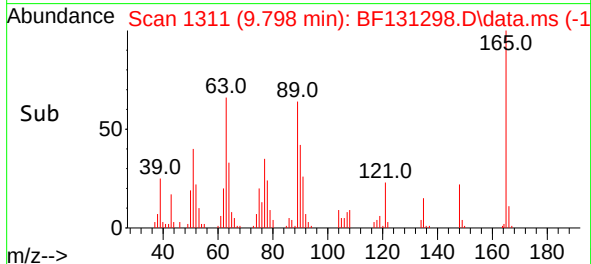
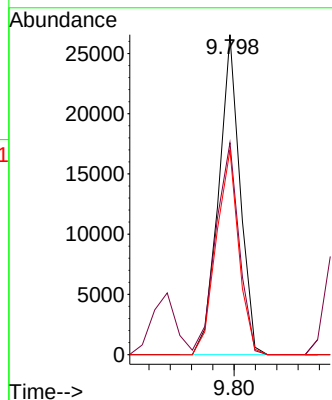
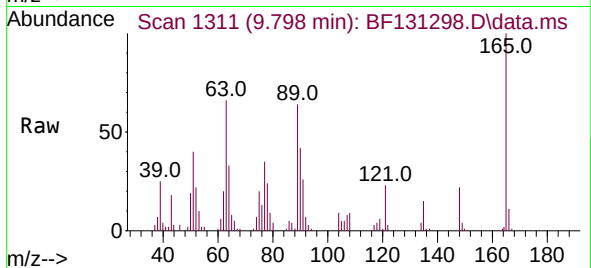
Tgt Ion:165	Resp:	18560
Ion Ratio	Lower	Upper
165	100	
63	66.2	53.3 79.9
89	63.9	49.4 74.0

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#52

Acenaphthene

Concen: 7.961 ng

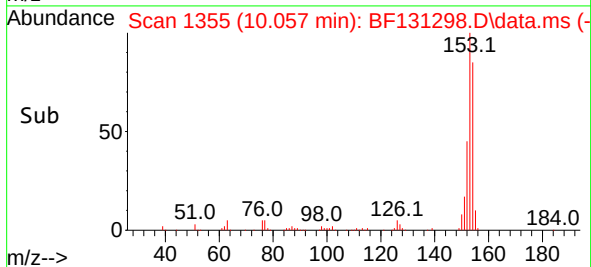
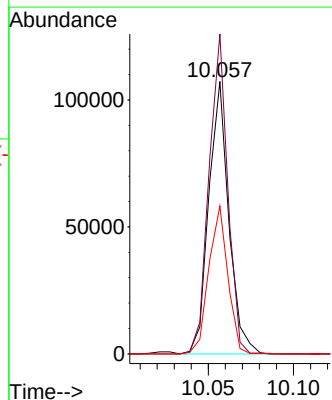
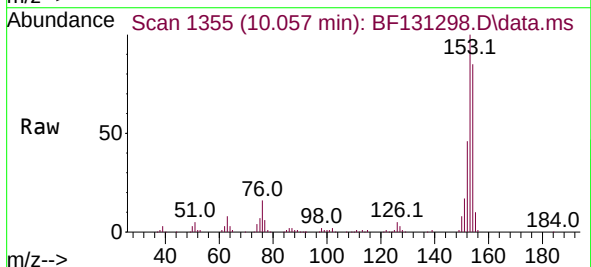
RT: 10.057 min Scan# 1355

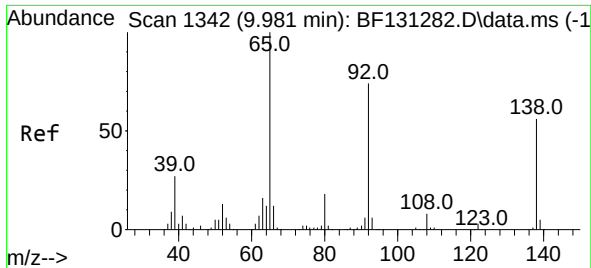
Delta R.T. -0.006 min

Lab File: BF131298.D

Acq: 18 Nov 2022 15:22

Tgt Ion:154	Resp:	87737
Ion Ratio	Lower	Upper
154	100	
153	117.5	90.7 136.1
152	54.3	43.1 64.7





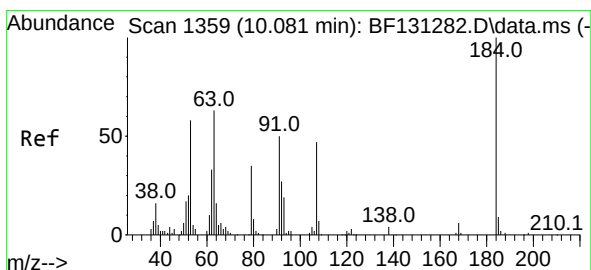
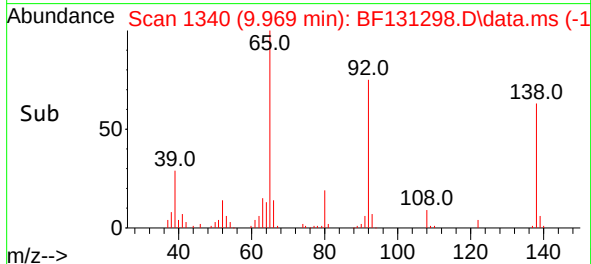
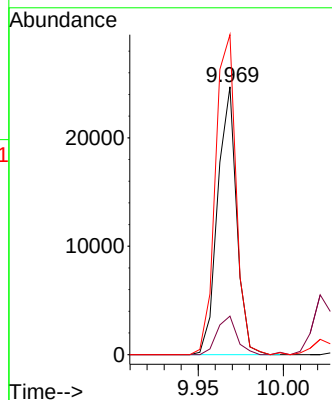
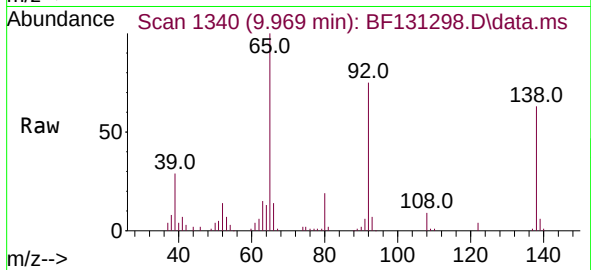
#53
3-Nitroaniline
Concen: 8.148 ng
RT: 9.969 min Scan# 1342
Delta R.T. -0.012 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

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

Tgt Ion:138 Resp: 1913
Ion Ratio Lower Upper
138 100
108 14.4 11.1 16.7
92 119.5 105.4 158.2

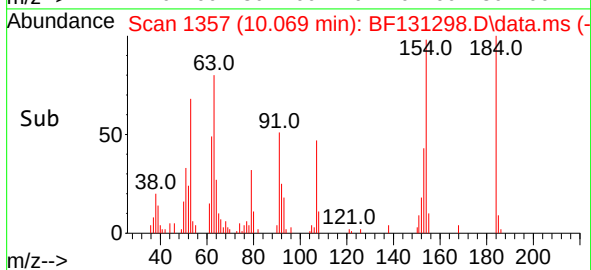
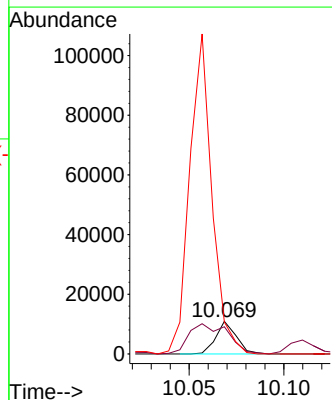
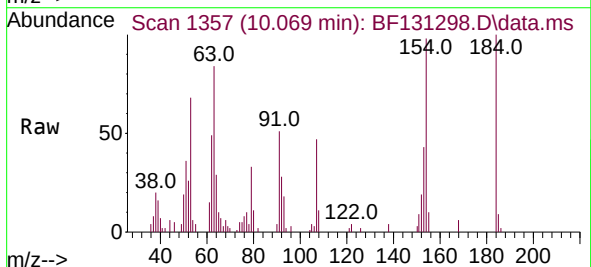
Manual Integrations
APPROVED

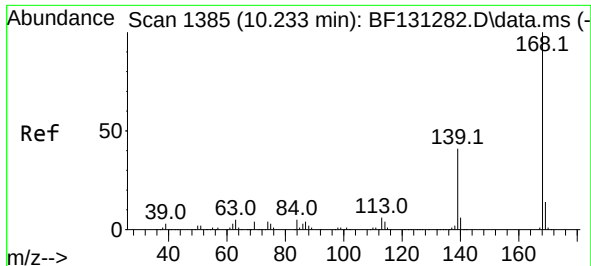
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#54
2,4-Dinitrophenol
Concen: 10.365 ng
RT: 10.069 min Scan# 1357
Delta R.T. -0.012 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

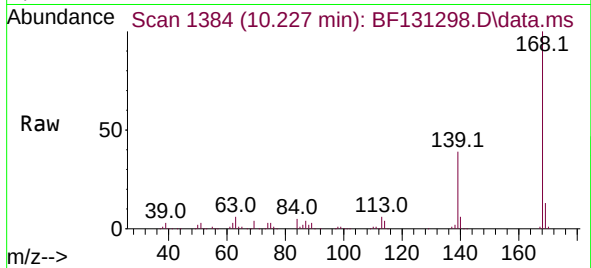
Tgt Ion:184 Resp: 8100
Ion Ratio Lower Upper
184 100
63 83.6 64.8 97.2
154 97.9 58.0 87.0#





#55
Dibenzenofuran
Concen: 8.062 ng
RT: 10.227 min Scan# 1384
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

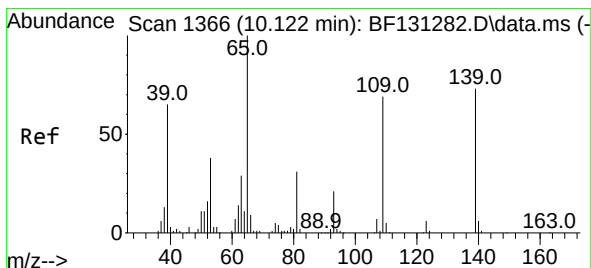
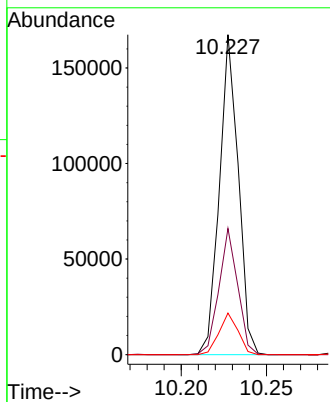
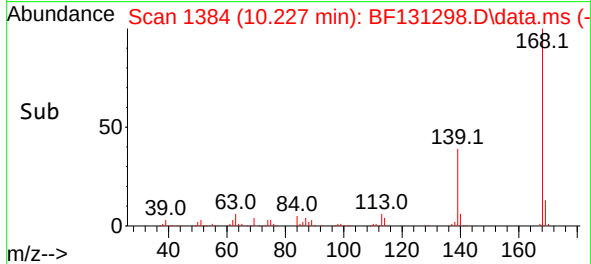
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2022



Tgt Ion:168 Resp: 128846
Ion Ratio Lower Upper
168 100
139 39.4 33.2 49.8
169 13.0 11.0 16.4

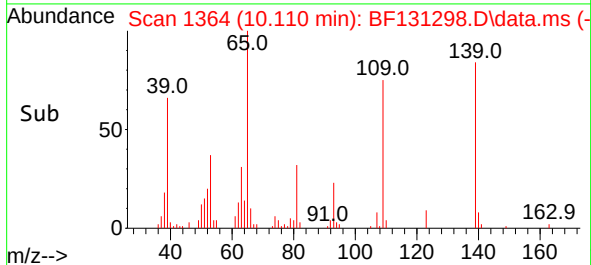
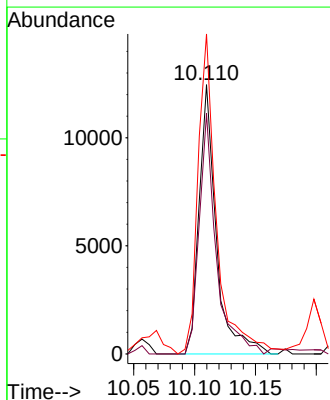
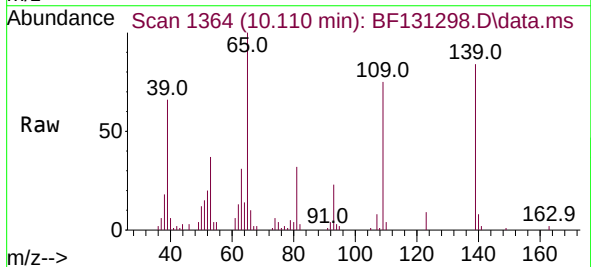
Manual Integrations
APPROVED

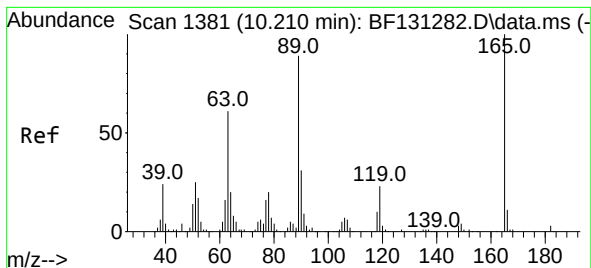
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#56
4-Nitrophenol
Concen: 6.942 ng
RT: 10.110 min Scan# 1364
Delta R.T. -0.012 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

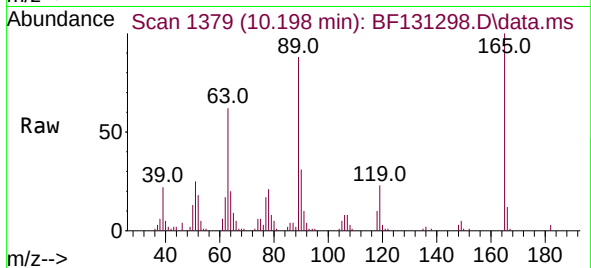
Tgt Ion:139 Resp: 12264
Ion Ratio Lower Upper
139 100
109 89.3 74.2 114.2
65 118.9 116.8 156.8





#57
2,4-Dinitrotoluene
Concen: 8.016 ng
RT: 10.198 min Scan# 1381
Delta R.T. -0.012 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

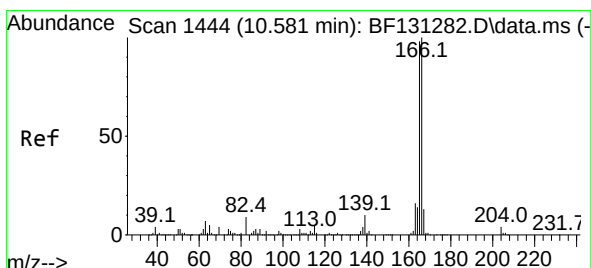
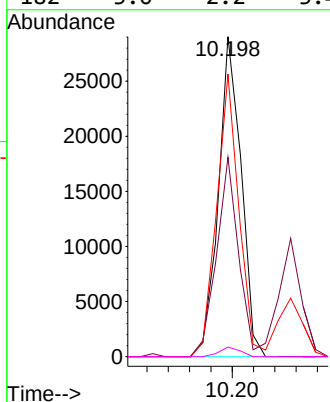
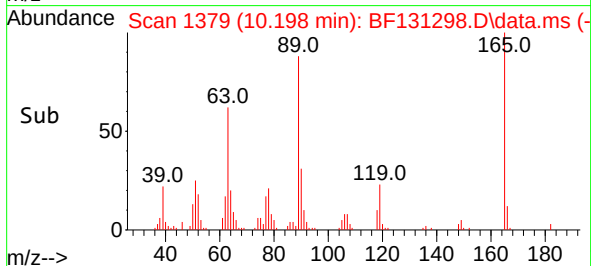
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2022



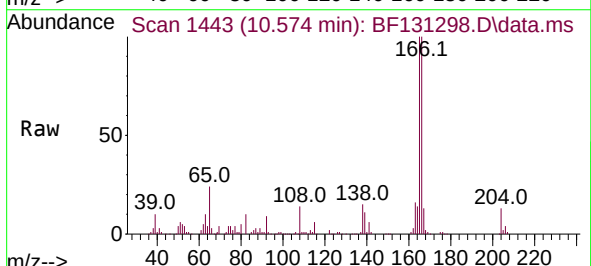
Tgt Ion:165 Resp: 21503
Ion Ratio Lower Upper
165 100
63 62.3 49.0 73.6
89 88.3 71.1 106.7
182 3.0 2.2 3.4

Manual Integrations
APPROVED

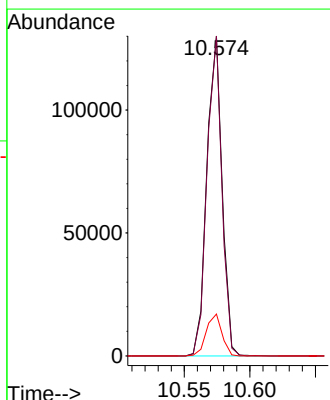
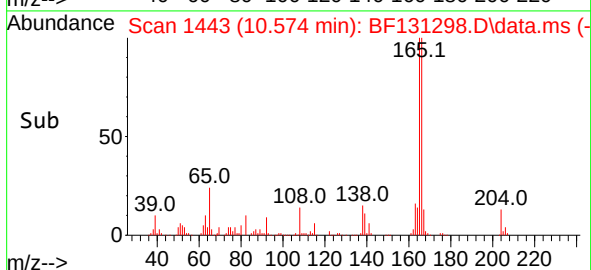
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

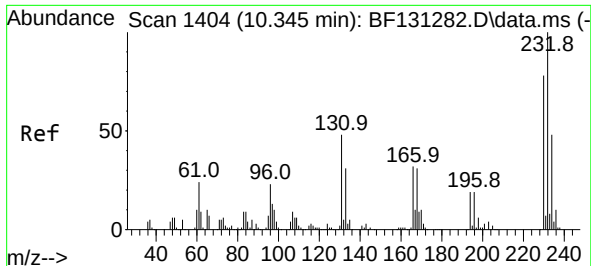


#58
Fluorene
Concen: 8.267 ng
RT: 10.574 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22



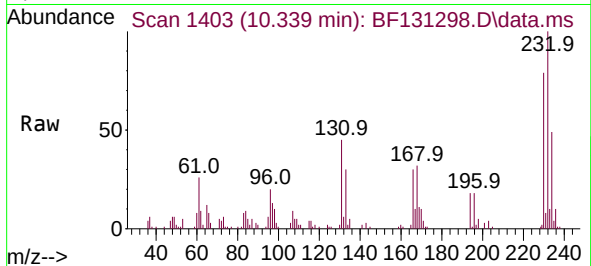
Tgt Ion:166 Resp: 104923
Ion Ratio Lower Upper
166 100
165 100.1 78.2 117.2
167 13.1 10.6 15.8





#59
2,3,4,6-Tetrachlorophenol
Concen: 7.245 ng
RT: 10.339 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

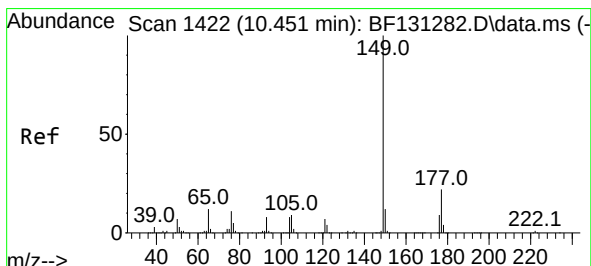
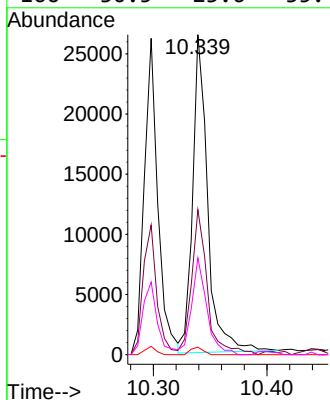
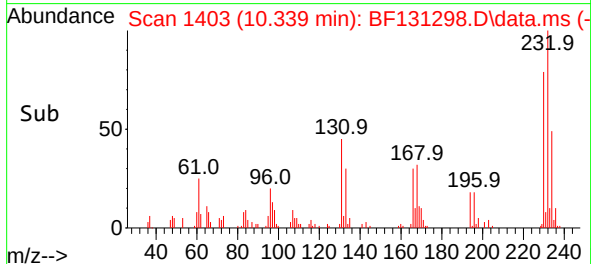
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:232 Resp: 24262
Ion Ratio Lower Upper
232 100
131 47.5 36.0 54.0
130 2.0 1.8 2.6
166 30.5 23.6 35.4

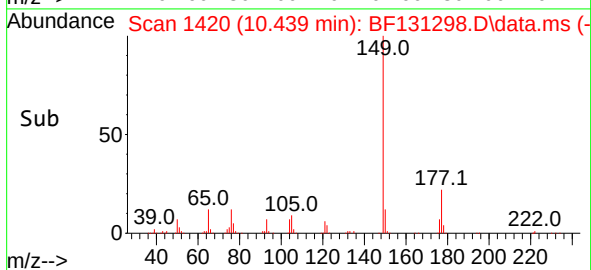
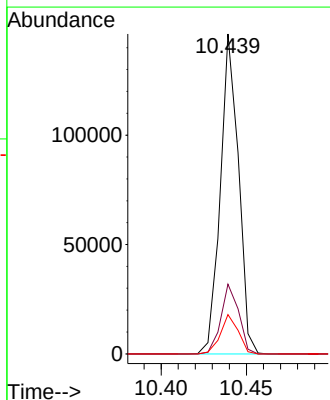
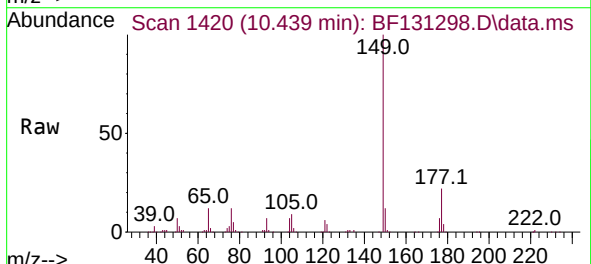
Manual Integrations
APPROVED

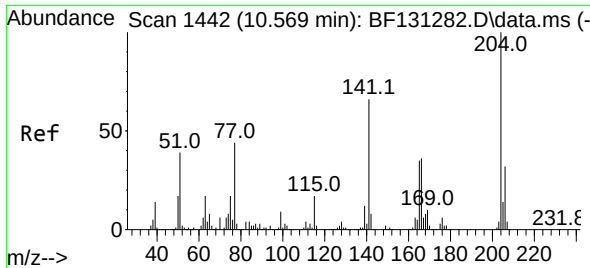
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#60
Diethylphthalate
Concen: 8.381 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.012 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

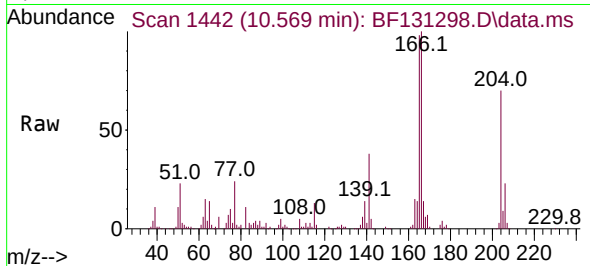
Tgt Ion:149 Resp: 107986
Ion Ratio Lower Upper
149 100
177 21.8 17.9 26.9
150 12.3 9.8 14.6





#61
4-Chlorophenyl-phenylether
Concen: 8.582 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.000 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

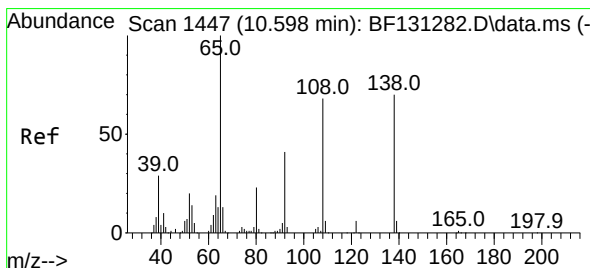
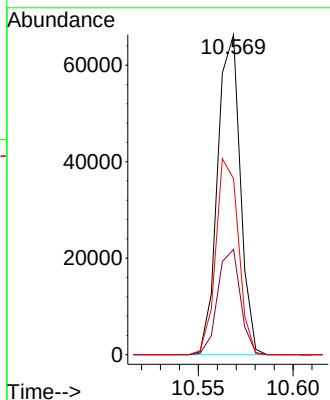
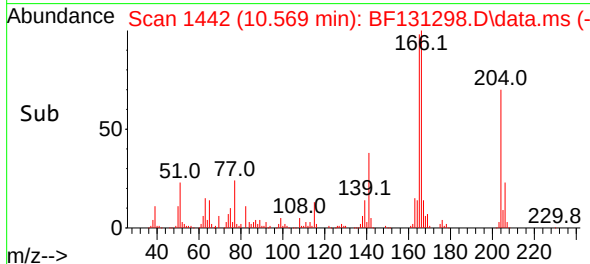
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:204 Resp: 55221
Ion Ratio Lower Upper
204 100
206 32.9 25.7 38.5
141 55.0 53.1 79.7

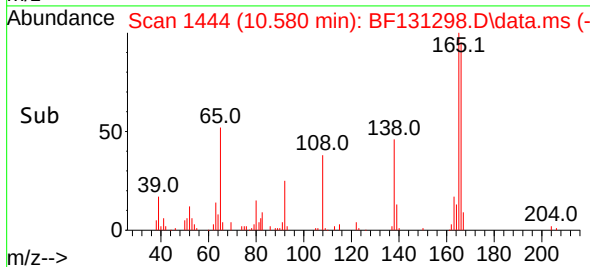
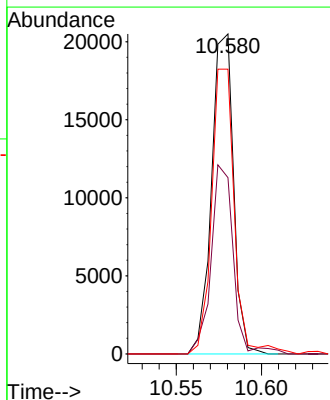
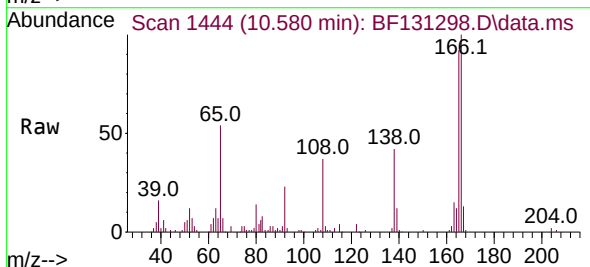
Manual Integrations
APPROVED

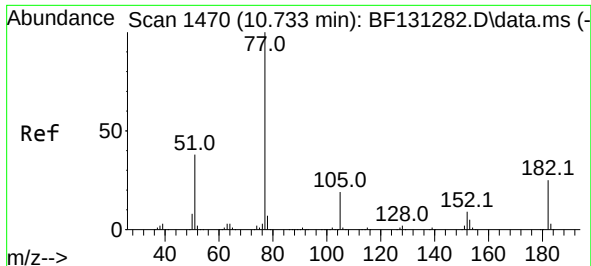
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#62
4-Nitroaniline
Concen: 7.684 ng
RT: 10.580 min Scan# 1444
Delta R.T. -0.018 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

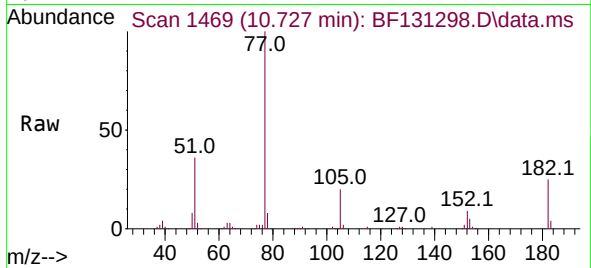
Tgt Ion:138 Resp: 18330
Ion Ratio Lower Upper
138 100
92 55.1 37.5 77.5
108 89.0 76.3 116.3





#63
Azobenzene
Concen: 8.058 ng
RT: 10.727 min Scan# 1470
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

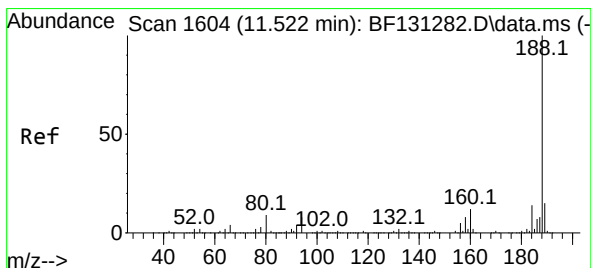
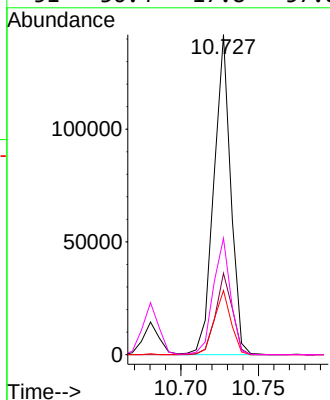
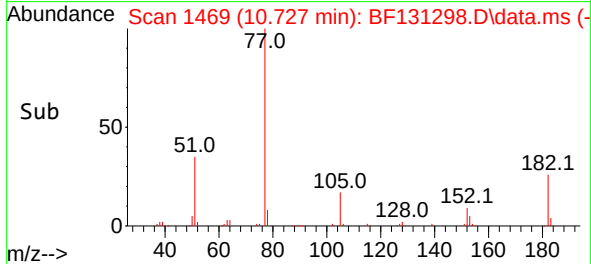
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



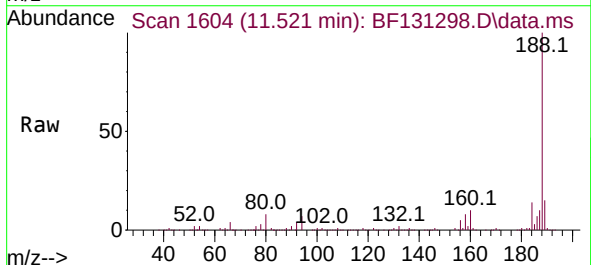
Tgt Ion: 77 Resp: 107832
Ion Ratio Lower Upper
77 100
182 25.4 5.0 45.0
105 20.1 0.0 39.5
51 36.4 17.8 57.8

Manual Integrations
APPROVED

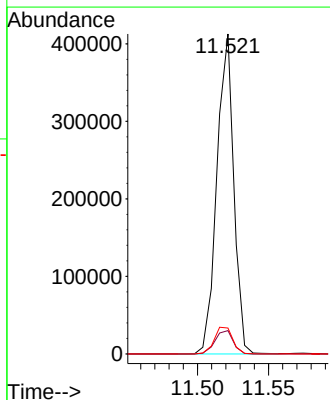
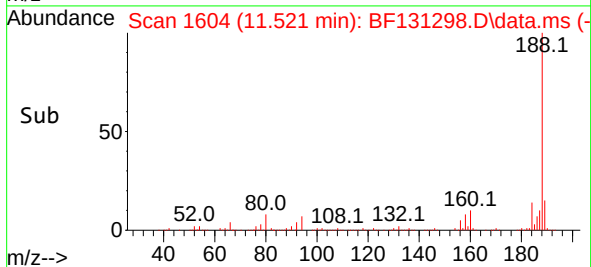
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

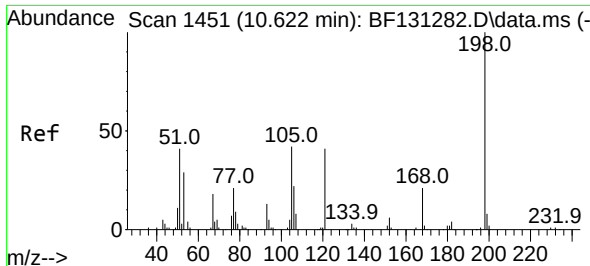


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.521 min Scan# 1604
Delta R.T. -0.001 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22



Tgt Ion:188 Resp: 342327
Ion Ratio Lower Upper
188 100
94 7.3 6.5 9.7
80 8.1 7.2 10.8





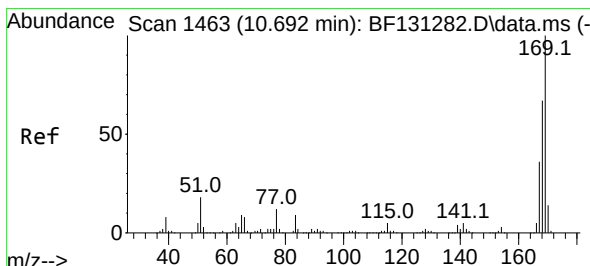
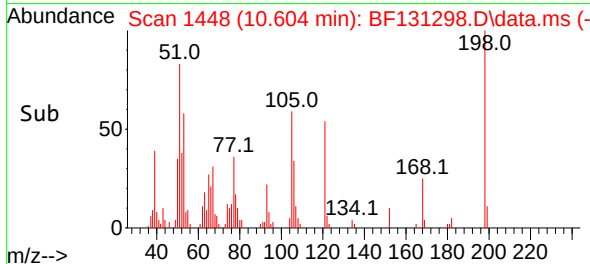
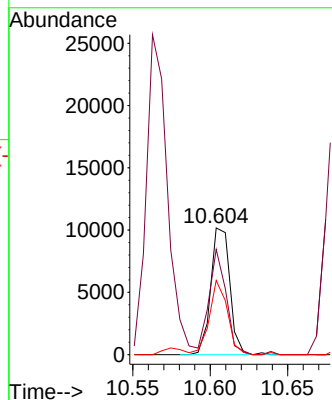
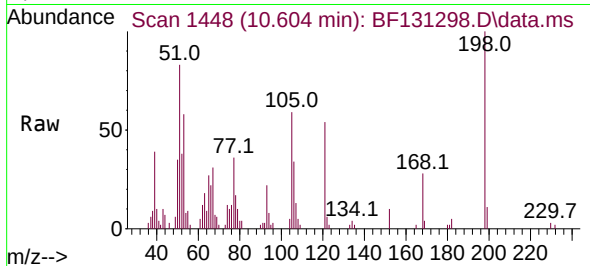
#65
4,6-Dinitro-2-methylphenol
Concen: 7.398 ng
RT: 10.604 min Scan# 1448
Delta R.T. -0.018 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

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

Tgt Ion:198 Resp: 8780
Ion Ratio Lower Upper
198 100
51 83.1 35.7 75.7
105 58.5 23.3 63.3

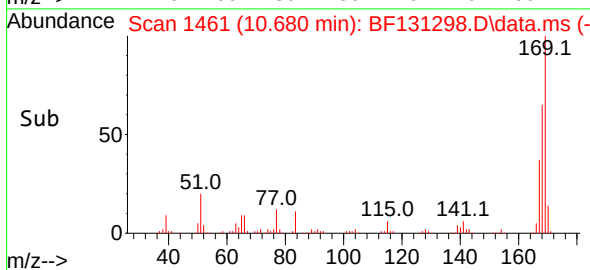
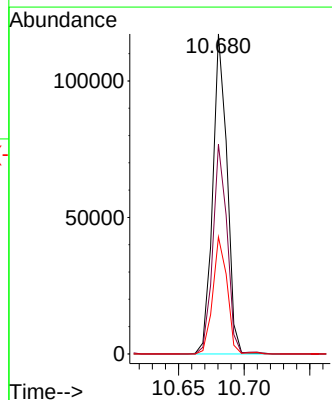
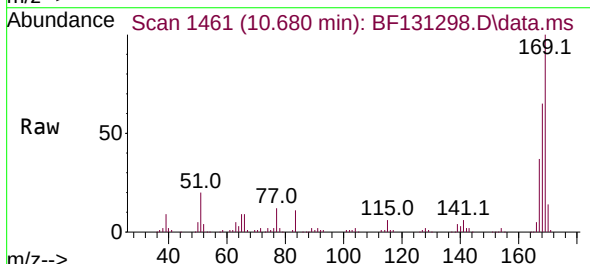
Manual Integrations
APPROVED

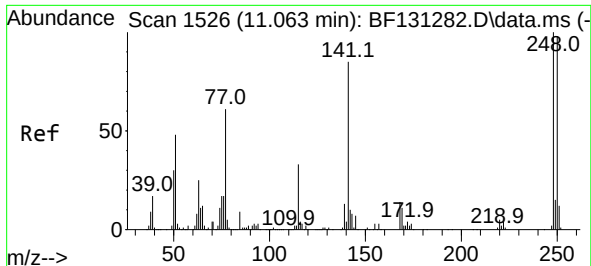
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#66
n-Nitrosodiphenylamine
Concen: 8.024 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

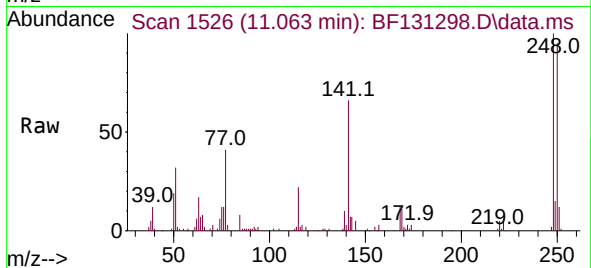
Tgt Ion:169 Resp: 88522
Ion Ratio Lower Upper
169 100
168 65.5 53.8 80.6
167 36.5 28.9 43.3





#67
4-Bromophenyl-phenylether
Concen: 8.127 ng
RT: 11.063 min Scan# 1526
Delta R.T. -0.000 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

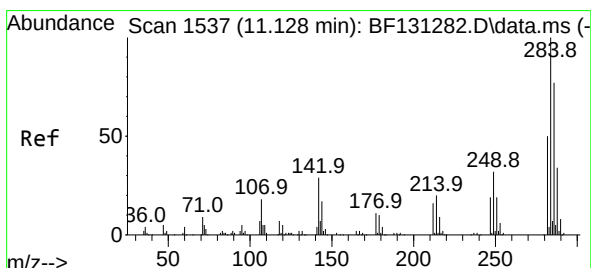
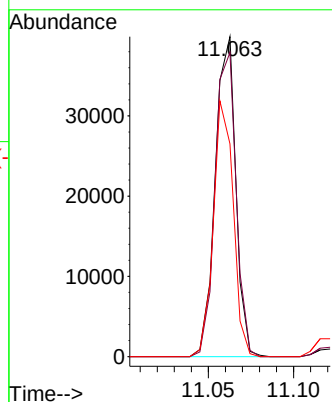
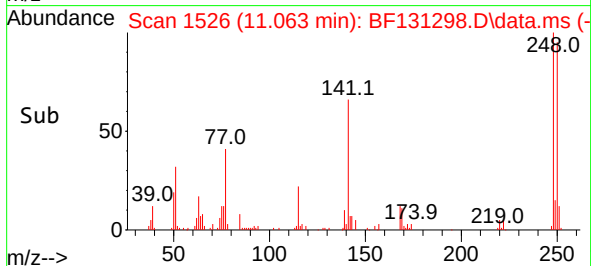
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



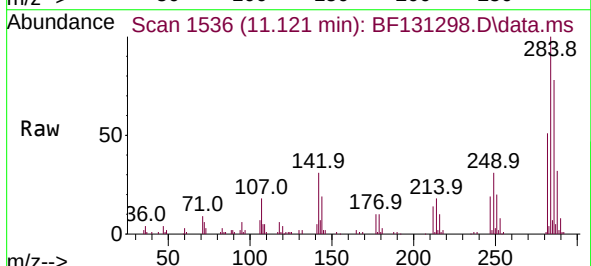
Tgt Ion:248 Resp: 33384
Ion Ratio Lower Upper
248 100
250 95.0 78.3 117.5
141 66.5 67.6 101.4

Manual Integrations
APPROVED

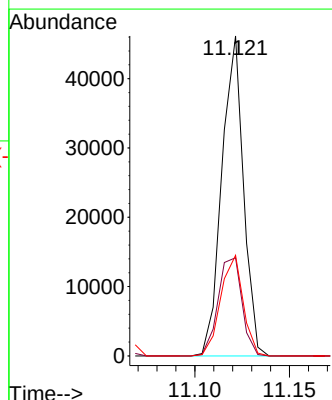
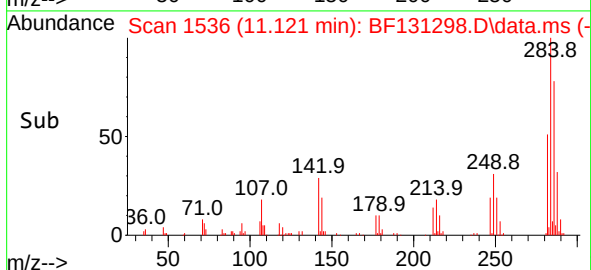
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

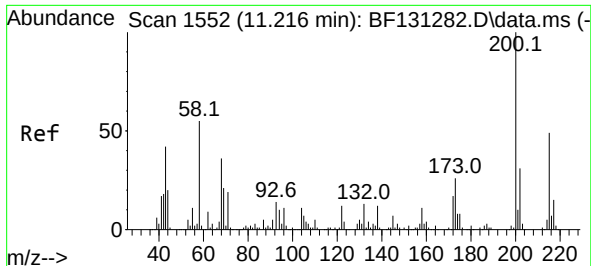


#68
Hexachlorobenzene
Concen: 8.211 ng
RT: 11.121 min Scan# 1536
Delta R.T. -0.007 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22



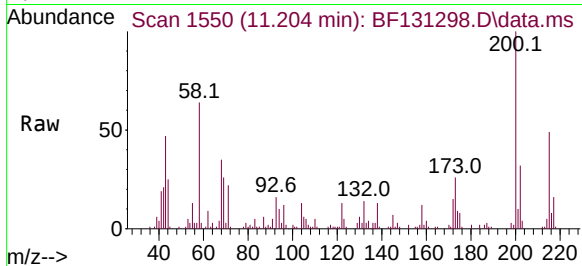
Tgt Ion:284 Resp: 36592
Ion Ratio Lower Upper
284 100
142 30.7 23.4 35.2
249 31.4 25.7 38.5





#69
Atrazine
Concen: 8.533 ng
RT: 11.204 min Scan# 1550
Delta R.T. -0.012 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

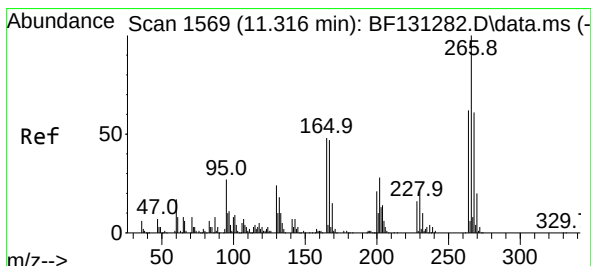
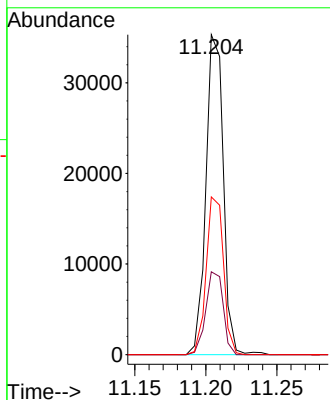
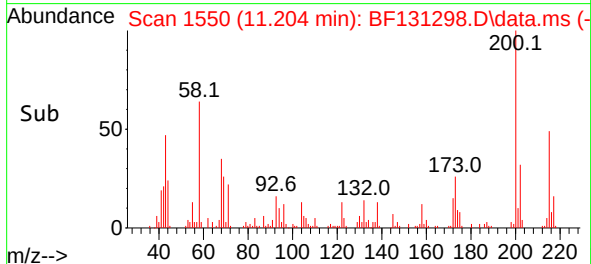
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



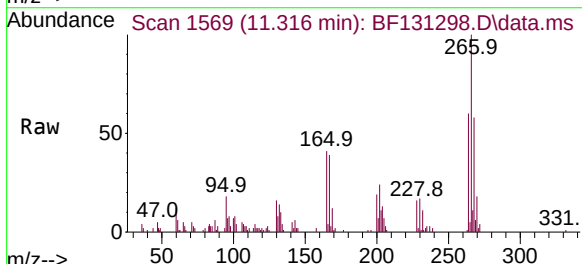
Tgt Ion:200 Resp: 30031
Ion Ratio Lower Upper
200 100
173 25.9 6.0 46.0
215 49.3 29.0 69.0

Manual Integrations
APPROVED

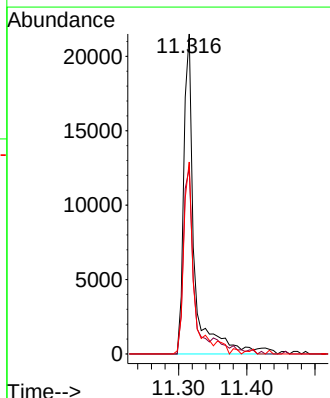
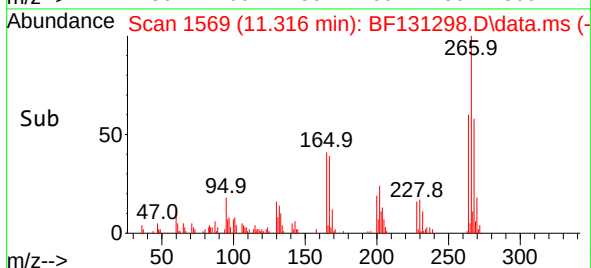
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

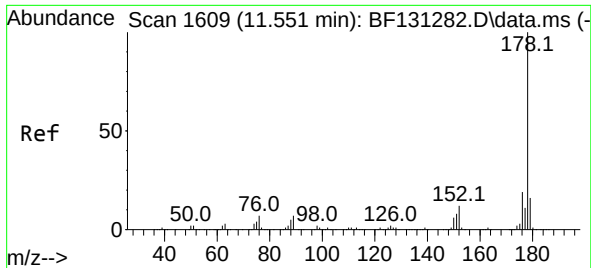


#70
Pentachlorophenol
Concen: 9.862 ng m
RT: 11.316 min Scan# 1569
Delta R.T. -0.000 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22



Tgt Ion:266 Resp: 23480
Ion Ratio Lower Upper
266 100
268 58.0 49.0 73.4
264 60.0 49.7 74.5





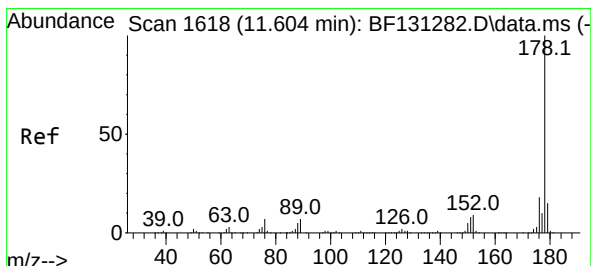
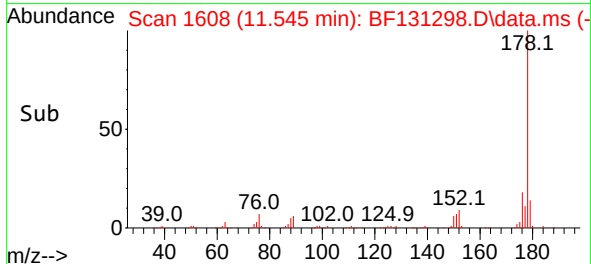
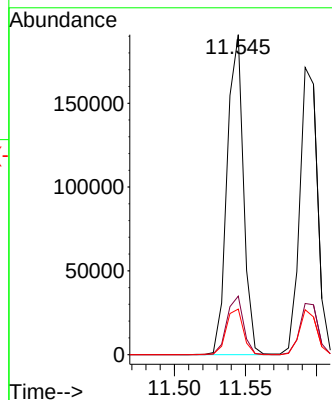
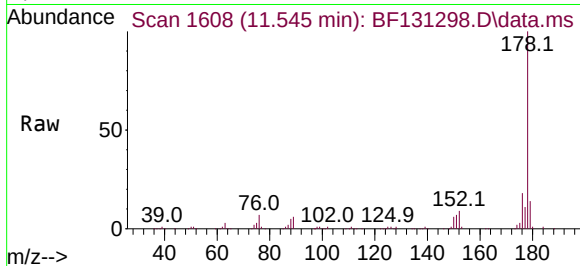
#71
Phenanthrene
Concen: 8.080 ng
RT: 11.545 min Scan# 1609
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

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

Tgt Ion:178 Resp: 152951
Ion Ratio Lower Upper
178 100
176 18.3 15.5 23.3
179 14.2 12.4 18.6

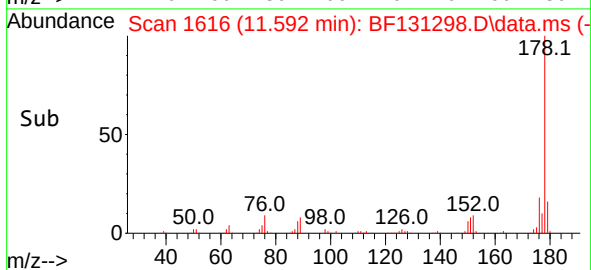
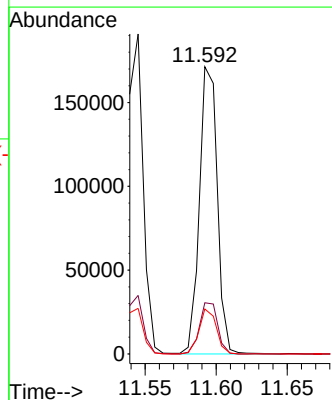
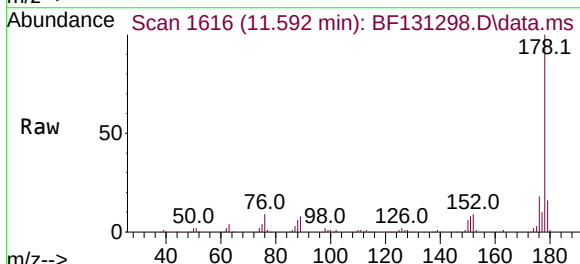
Manual Integrations
APPROVED

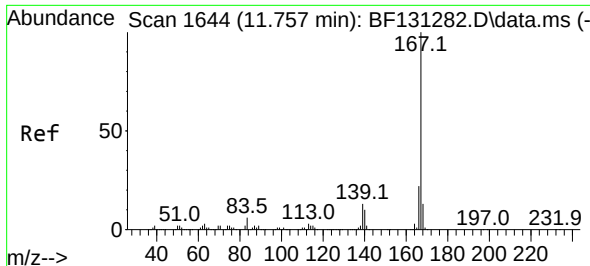
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#72
Anthracene
Concen: 8.092 ng
RT: 11.592 min Scan# 1616
Delta R.T. -0.012 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

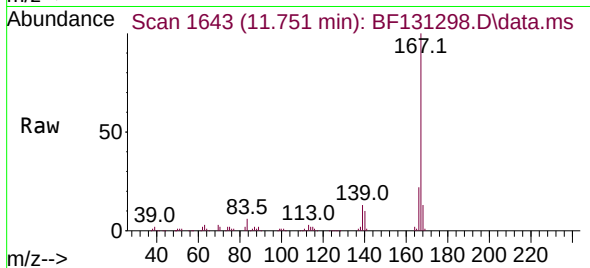
Tgt Ion:178 Resp: 149785
Ion Ratio Lower Upper
178 100
176 17.8 14.6 22.0
179 15.7 12.0 18.0





#73
 Carbazole
 Concen: 8.175 ng
 RT: 11.751 min Scan# 1643
 Delta R.T. -0.006 min
 Lab File: BF131298.D
 Acq: 18 Nov 2022 15:22

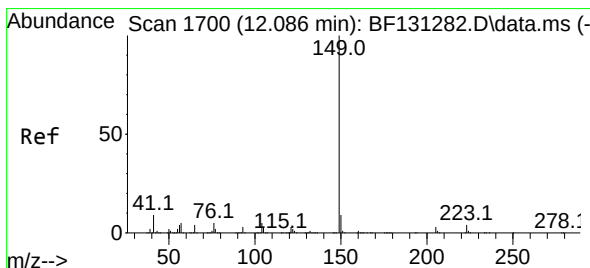
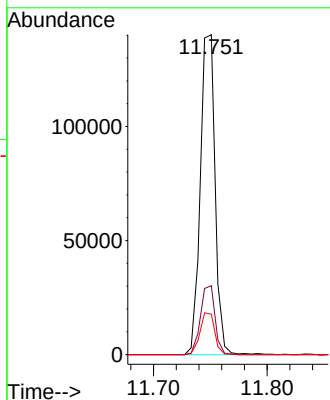
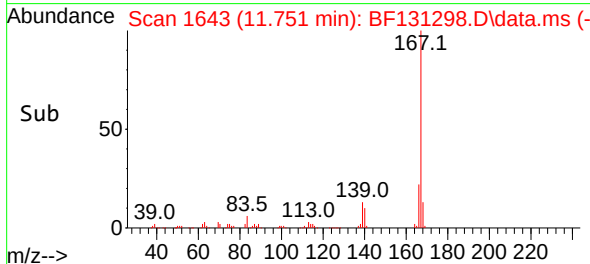
Instrument : BNA_F
 ClientSampleId : LOQ-SOIL-02-QT4-2022



Tgt Ion:167 Resp: 127219
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.4 26.2
 139 12.6 10.2 15.4

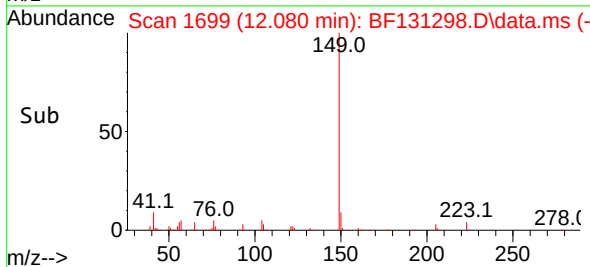
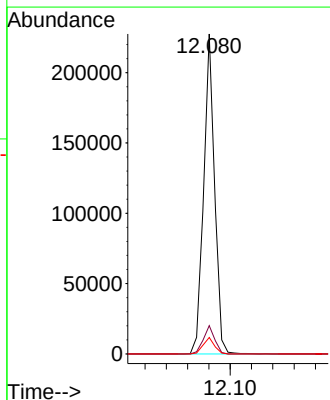
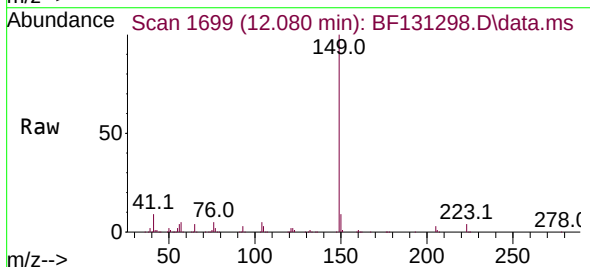
Manual Integrations
 APPROVED

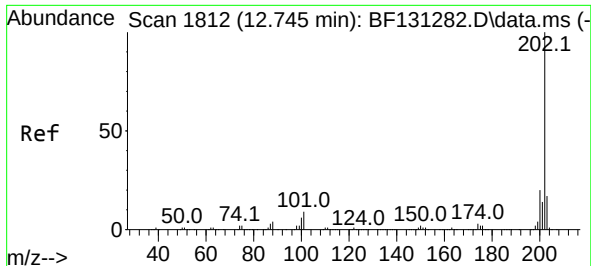
Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022



#74
 Di-n-butylphthalate
 Concen: 8.572 ng
 RT: 12.080 min Scan# 1699
 Delta R.T. -0.006 min
 Lab File: BF131298.D
 Acq: 18 Nov 2022 15:22

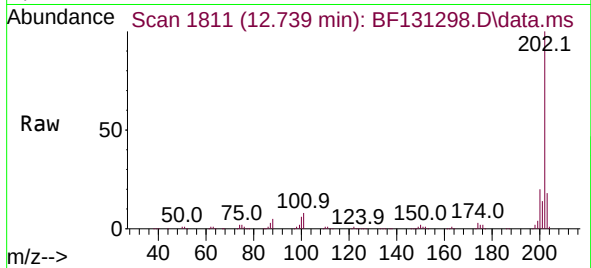
Tgt Ion:149 Resp: 161067
 Ion Ratio Lower Upper
 149 100
 150 8.8 7.1 10.7
 104 5.1 4.3 6.5





#75
Fluoranthene
Concen: 8.047 ng
RT: 12.739 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

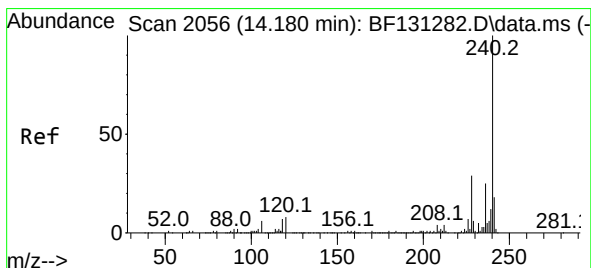
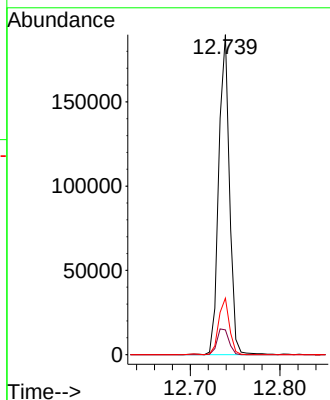
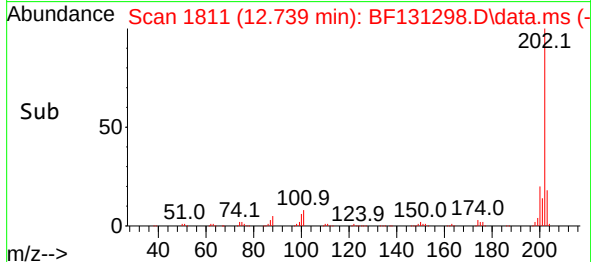
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



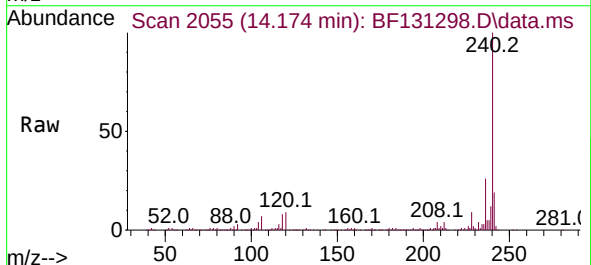
Tgt Ion:202 Resp: 158063
Ion Ratio Lower Upper
202 100
101 7.7 0.0 28.5
203 17.6 0.0 37.3

Manual Integrations
APPROVED

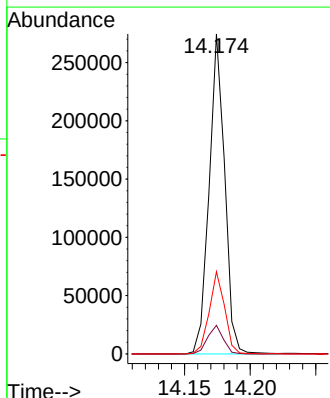
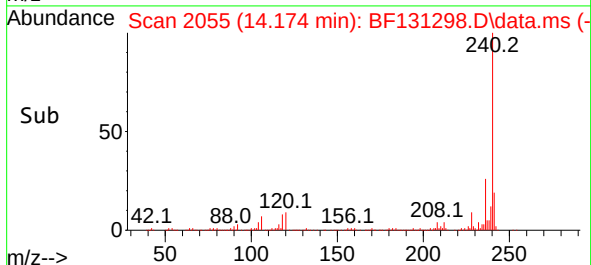
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

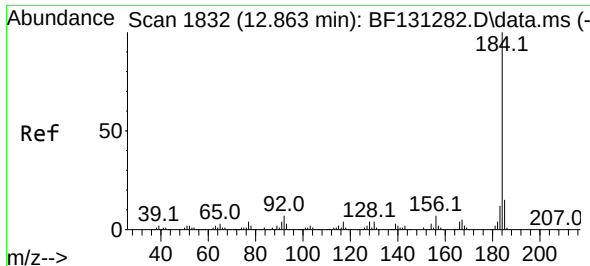


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.174 min Scan# 2055
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22



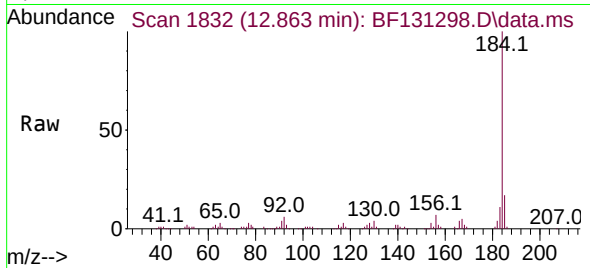
Tgt Ion:240 Resp: 226876
Ion Ratio Lower Upper
240 100
120 8.9 6.2 9.2
236 25.7 19.8 29.6





#77
Benzidine
Concen: 12.974 ng
RT: 12.863 min Scan# 1832
Delta R.T. -0.000 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

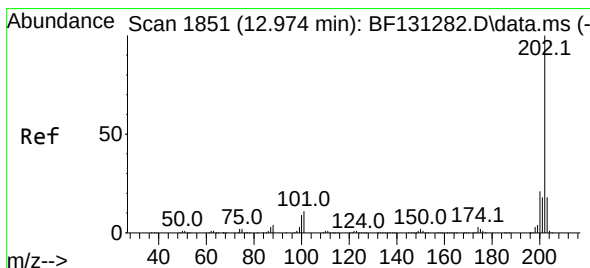
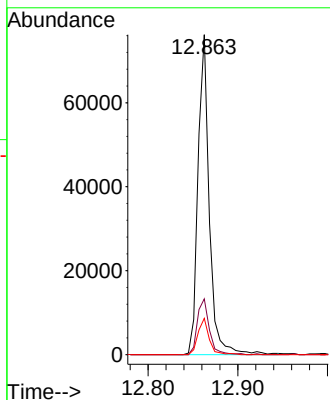
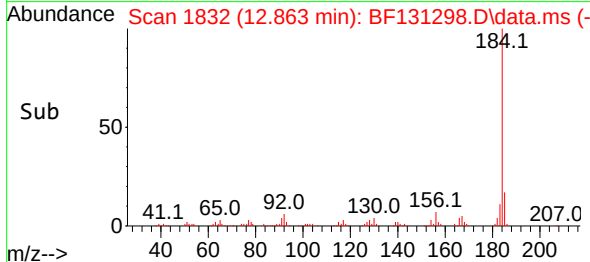
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



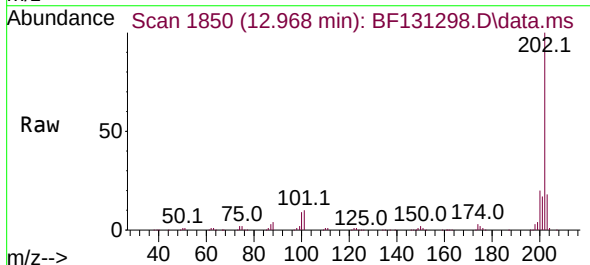
Tgt Ion:184 Resp: 66579
Ion Ratio Lower Upper
184 100
185 17.4 12.3 18.5
183 11.3 9.3 13.9

Manual Integrations
APPROVED

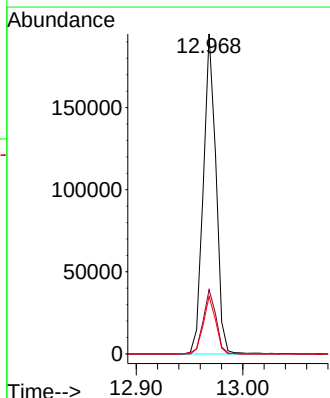
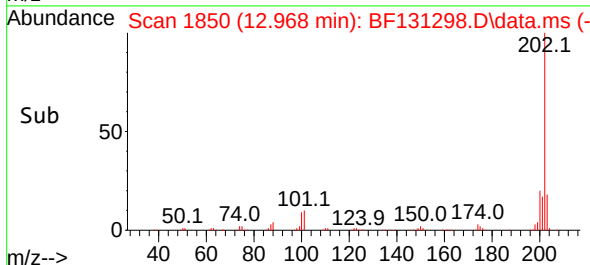
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

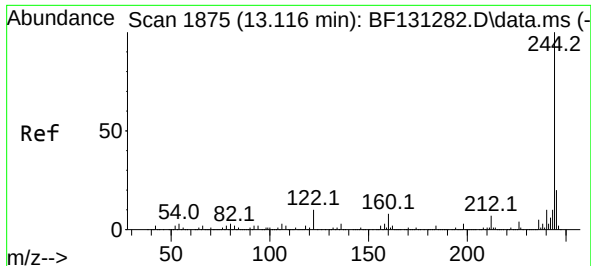


#78
Pyrene
Concen: 7.315 ng
RT: 12.968 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22



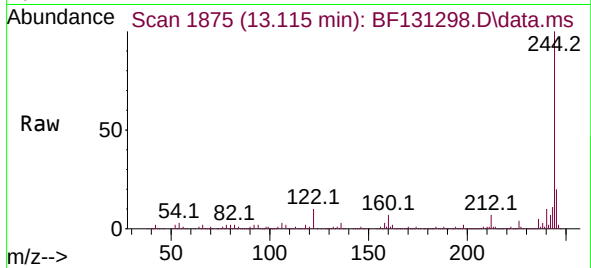
Tgt Ion:202 Resp: 159677
Ion Ratio Lower Upper
202 100
200 20.1 17.2 25.8
203 18.0 14.3 21.5





#79
 Terphenyl-d14
 Concen: 56.357 ng
 RT: 13.115 min Scan# 1875
 Delta R.T. -0.000 min
 Lab File: BF131298.D
 Acq: 18 Nov 2022 15:22

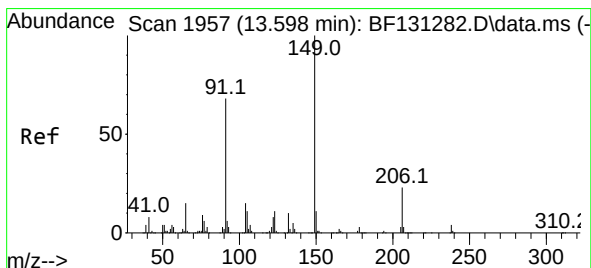
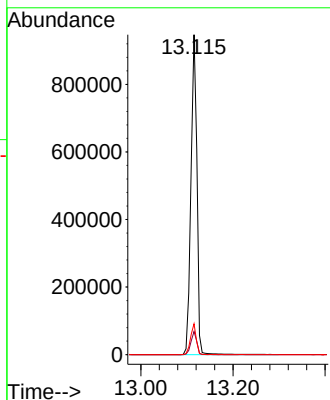
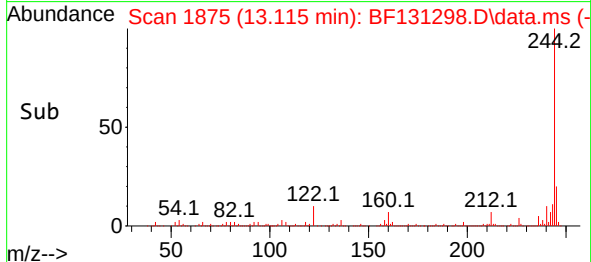
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022



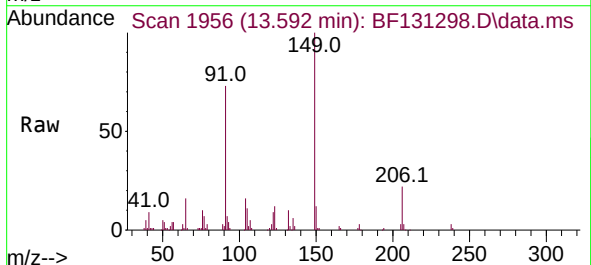
Tgt Ion:244 Resp: 855389
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 9.6 7.8 11.8

Manual Integrations
 APPROVED

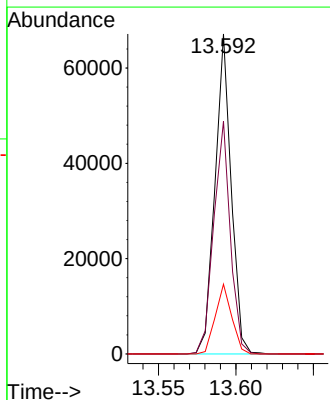
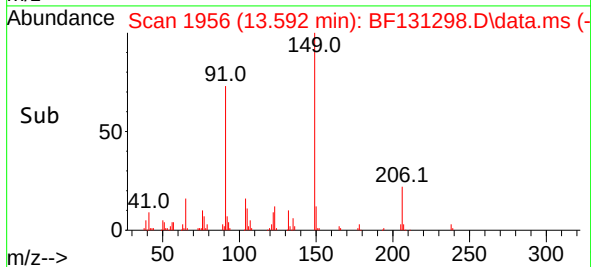
Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022

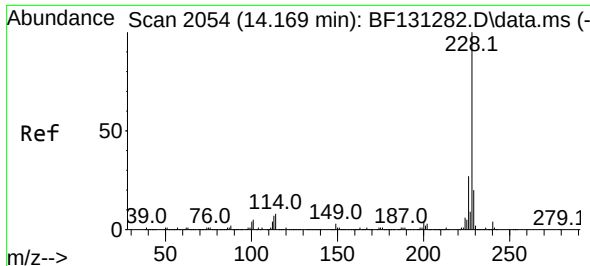


#80
 Butylbenzylphthalate
 Concen: 7.396 ng
 RT: 13.592 min Scan# 1956
 Delta R.T. -0.006 min
 Lab File: BF131298.D
 Acq: 18 Nov 2022 15:22



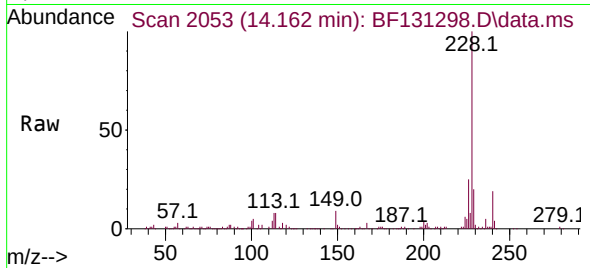
Tgt Ion:149 Resp: 48837
 Ion Ratio Lower Upper
 149 100
 91 72.7 54.6 82.0
 206 21.8 18.1 27.1





#81
Benzo(a)anthracene
Concen: 7.591 ng
RT: 14.162 min Scan# 2054
Delta R.T. -0.007 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

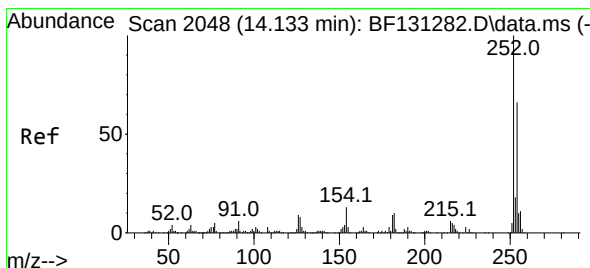
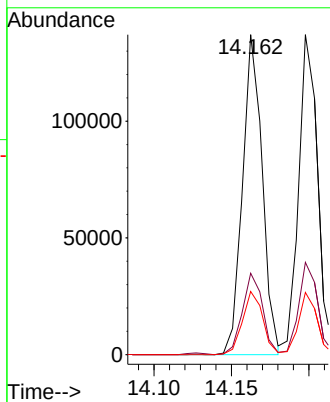
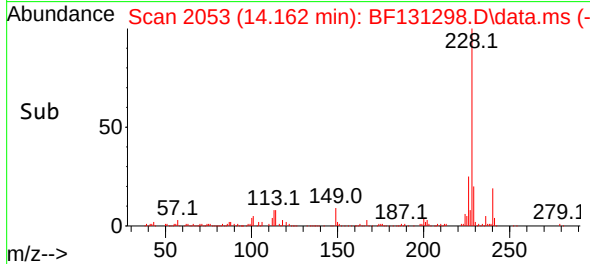
Instrument : BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



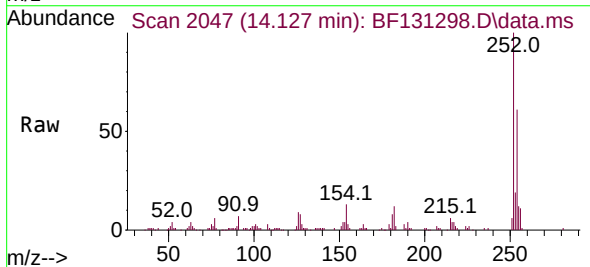
Tgt Ion:228 Resp: 121420
Ion Ratio Lower Upper
228 100
226 25.4 21.5 32.3
229 19.7 16.1 24.1

Manual Integrations
APPROVED

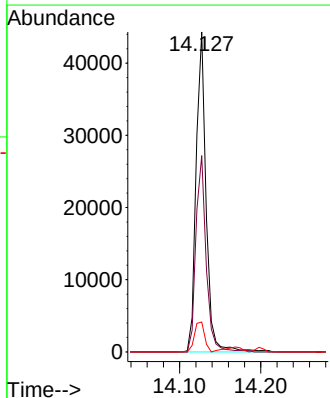
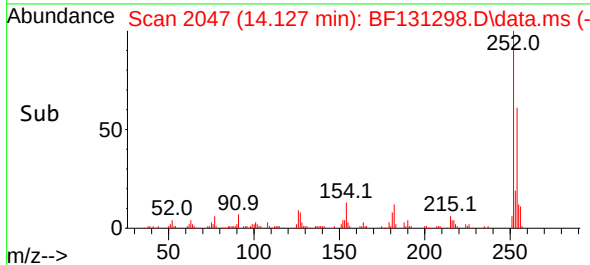
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

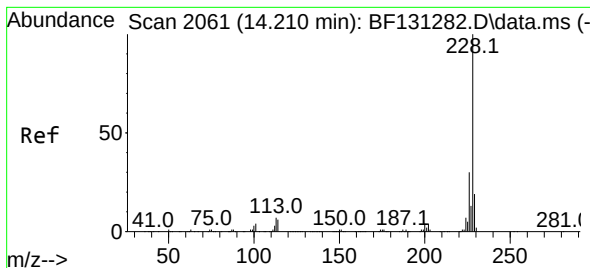


#82
3,3'-Dichlorobenzidine
Concen: 8.921 ng
RT: 14.127 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22



Tgt Ion:252 Resp: 37883
Ion Ratio Lower Upper
252 100
254 61.3 52.6 78.8
126 9.3 7.0 10.6





#83

Chrysene

Concen: 7.617 ng

RT: 14.198 min Scan# 2059

Delta R.T. -0.012 min

Lab File: BF131298.D

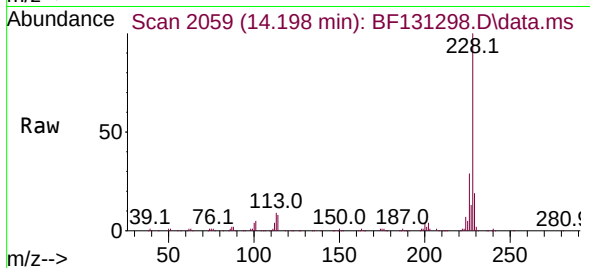
Acq: 18 Nov 2022 15:22

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022



Tgt Ion:228 Resp: 116520

Ion Ratio Lower Upper

228 100

226 28.8 23.8 35.6

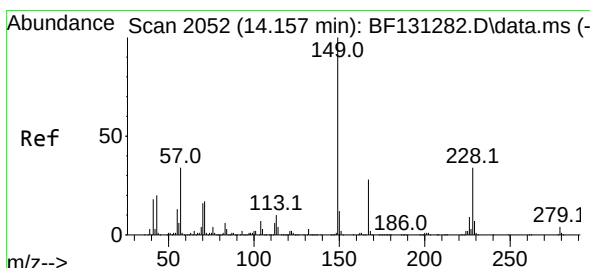
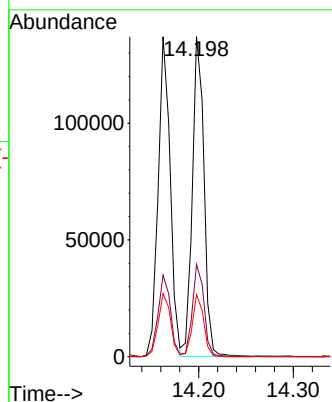
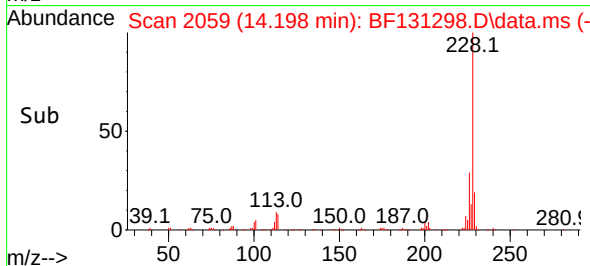
229 19.4 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 8.131 ng

RT: 14.151 min Scan# 2051

Delta R.T. -0.006 min

Lab File: BF131298.D

Acq: 18 Nov 2022 15:22

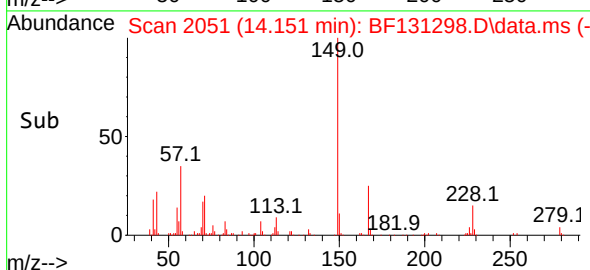
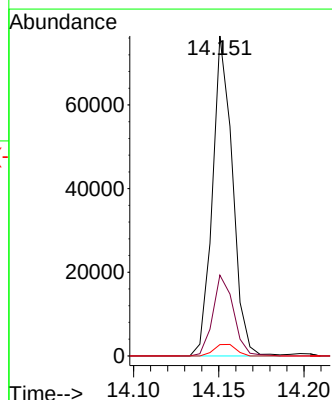
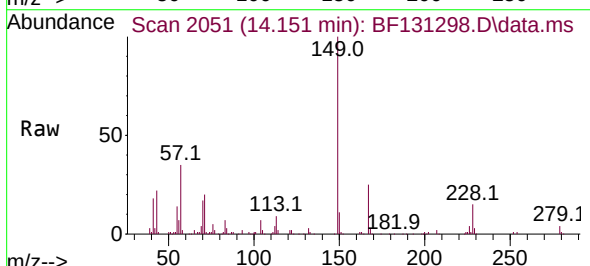
Tgt Ion:149 Resp: 62500

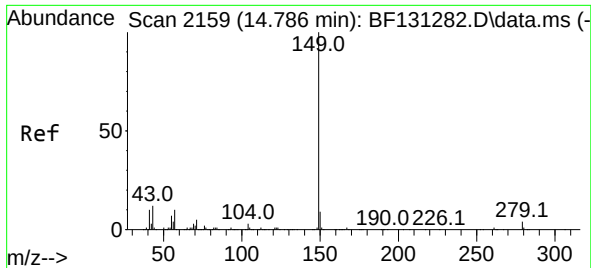
Ion Ratio Lower Upper

149 100

167 25.2 22.2 33.4

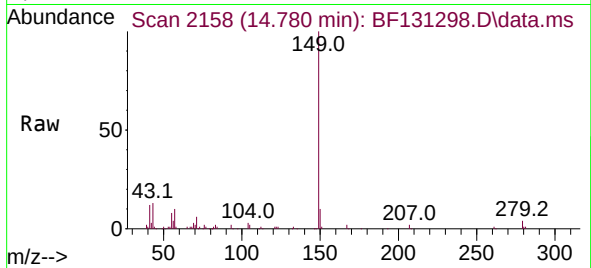
279 3.5 3.4 5.2





#85
Di-n-octyl phthalate
Concen: 7.264 ng
RT: 14.780 min Scan# 2159
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

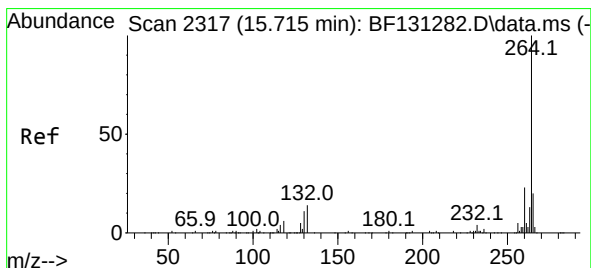
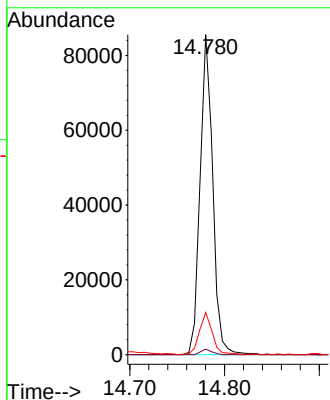
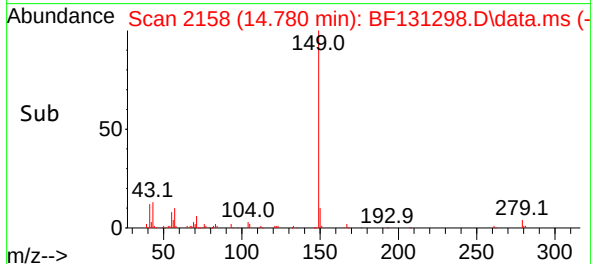
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:149 Resp: 79249
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 13.5 10.6 16.0

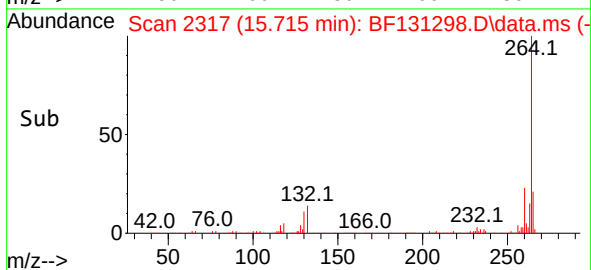
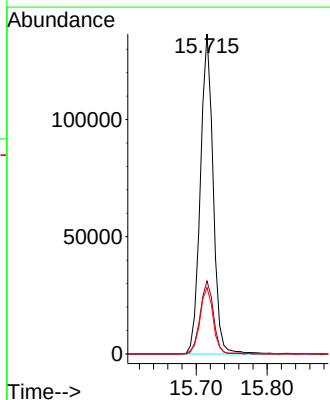
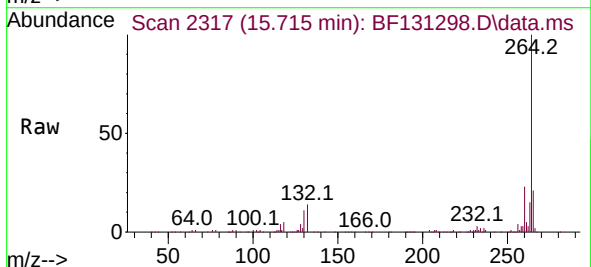
Manual Integrations
APPROVED

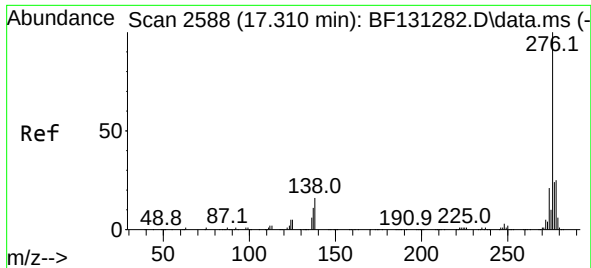
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.715 min Scan# 2317
Delta R.T. -0.000 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

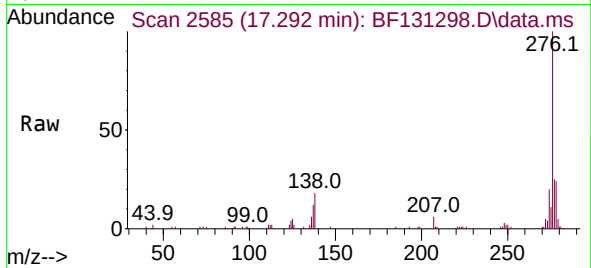
Tgt Ion:264 Resp: 169327
Ion Ratio Lower Upper
264 100
260 22.8 18.7 28.1
265 20.7 16.2 24.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.443 ng
RT: 17.292 min Scan# 2588
Delta R.T. -0.018 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

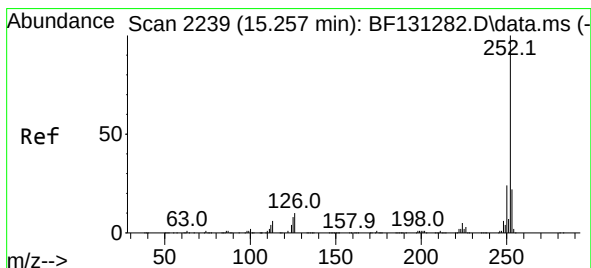
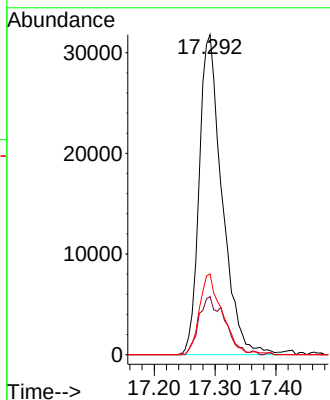
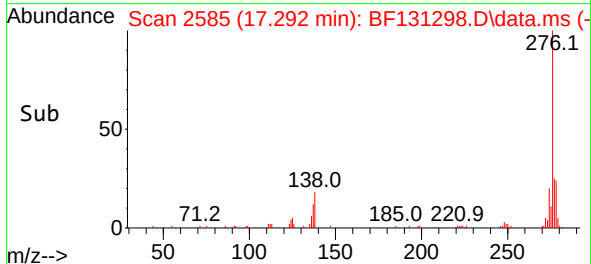
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion: 276 Resp: 8273
Ion Ratio Lower Upper
276 100
138 20.4 15.1 22.7
277 24.8 20.1 30.1

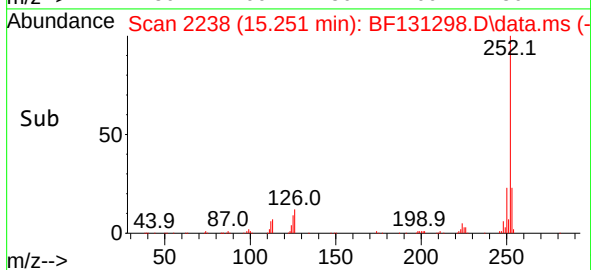
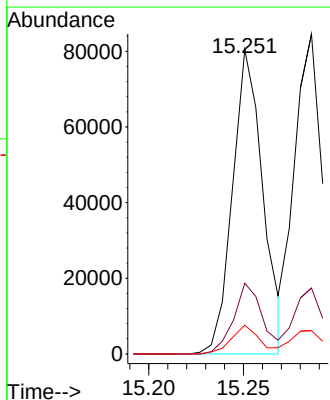
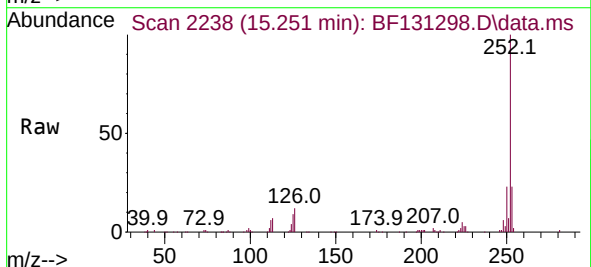
Manual Integrations
APPROVED

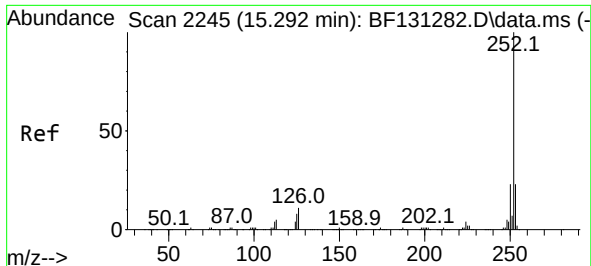
Reviewed By : Christian Giraldo 11/21/2022
Supervised By : Jagrut Upadhyay 11/21/2022



#88
Benzo(b)fluoranthene
Concen: 7.896 ng
RT: 15.251 min Scan# 2238
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

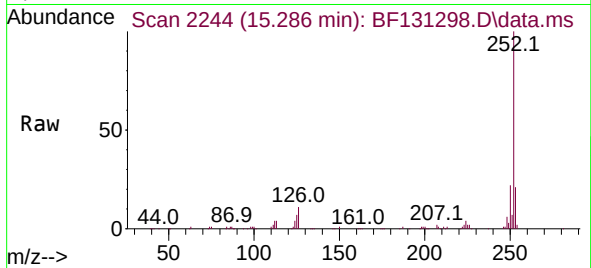
Tgt Ion: 252 Resp: 89985
Ion Ratio Lower Upper
252 100
253 23.2 17.4 26.0
125 9.4 6.3 9.5





#89
Benzo(k)fluoranthene
Concen: 7.715 ng
RT: 15.286 min Scan# 211
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

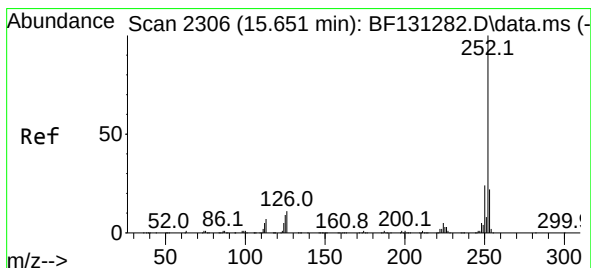
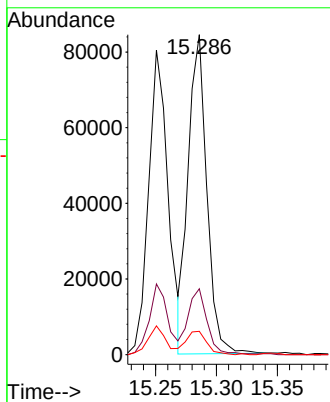
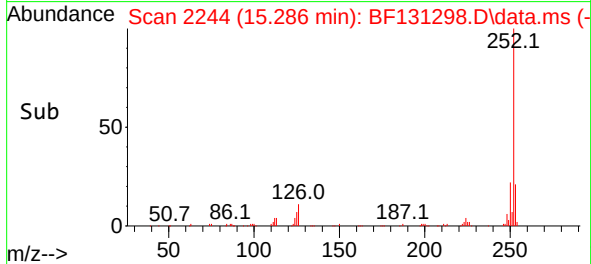
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2022



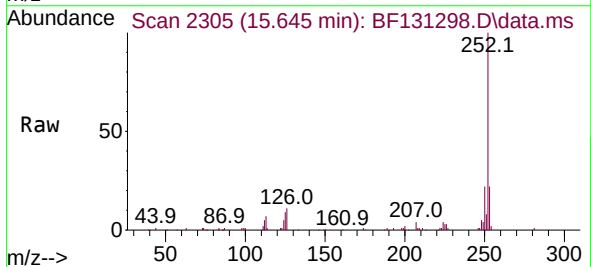
Tgt Ion:252 Resp: 89863
Ion Ratio Lower Upper
252 100
253 20.6 18.0 27.0
125 7.3 6.5 9.7

Manual Integrations
APPROVED

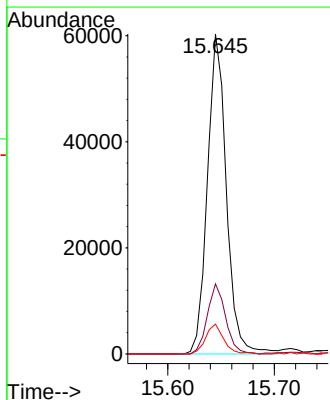
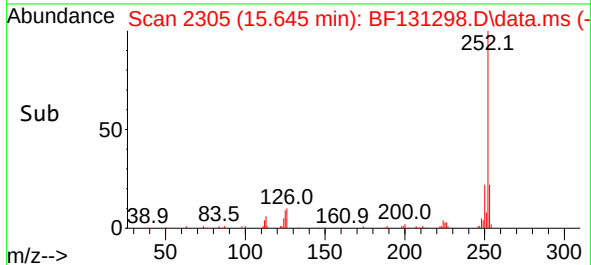
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

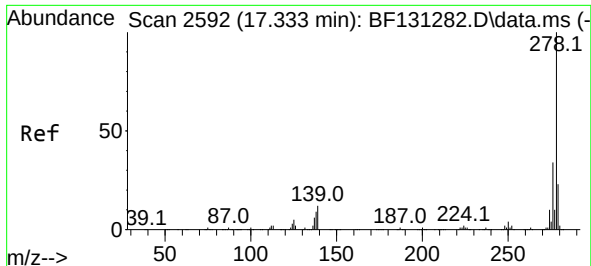


#90
Benzo(a)pyrene
Concen: 7.981 ng
RT: 15.645 min Scan# 2305
Delta R.T. -0.006 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22



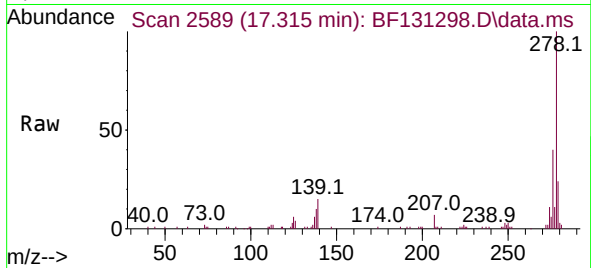
Tgt Ion:252 Resp: 74672
Ion Ratio Lower Upper
252 100
253 21.9 17.7 26.5
125 9.3 7.2 10.8





#91
Dibenzo(a,h)anthracene
Concen: 6.773 ng
RT: 17.315 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22

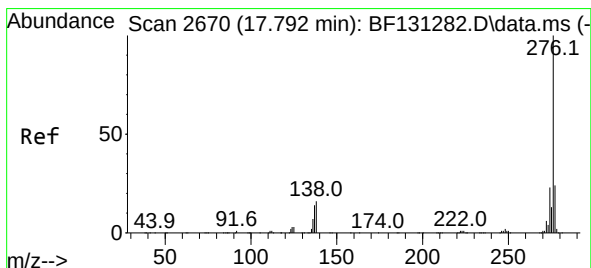
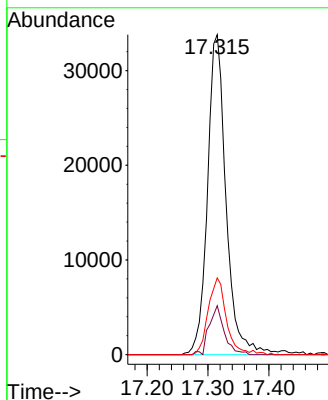
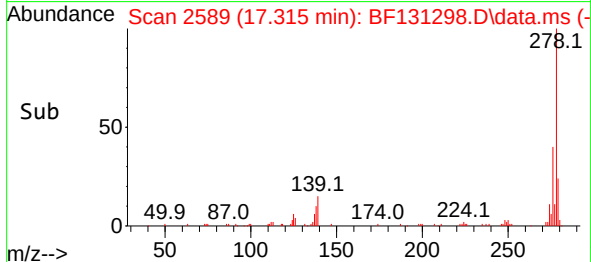
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



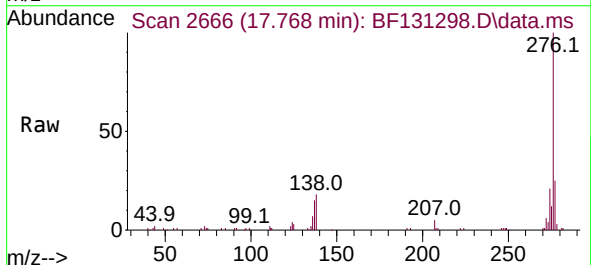
Tgt Ion:278 Resp: 71572
Ion Ratio Lower Upper
278 100
139 15.3 10.0 15.0
279 24.0 18.6 27.8

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 6.827 ng
RT: 17.768 min Scan# 2666
Delta R.T. -0.024 min
Lab File: BF131298.D
Acq: 18 Nov 2022 15:22



Tgt Ion:276 Resp: 72939
Ion Ratio Lower Upper
276 100
277 24.7 19.4 29.0
138 18.0 13.0 19.6

