

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111822\
 Data File : BF131294.D
 Acq On : 18 Nov 2022 11:40
 Operator : CG\JU
 Sample : N4955-02
 Misc : LOQ-SOIL 5ppm
 ALS Vial : 6 Sample Multiplier: 1

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

Quant Time: Nov 21 01:10:59 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	76895	20.000	ng	0.00
21) Naphthalene-d8	8.257	136	272071	20.000	ng	0.00
39) Acenaphthene-d10	10.028	164	154523	20.000	ng	0.00
64) Phenanthrene-d10	11.522	188	290237	20.000	ng	0.00
76) Chrysene-d12	14.174	240	200929	20.000	ng	# 0.00
86) Perylene-d12	15.715	264	139706	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	476669	113.462	ng	0.00
7) Phenol-d6	6.581	99	597537	112.195	ng	0.00
23) Nitrobenzene-d5	7.534	82	447126	87.787	ng	0.00
42) 2,4,6-Tribromophenol	10.816	330	156926	114.081	ng	0.00
45) 2-Fluorobiphenyl	9.339	172	900094	83.196	ng	0.00
79) Terphenyl-d14	13.122	244	996467	74.130	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.775	88	11188	5.760	ng	99
3) Pyridine	3.575	79	26099	4.822	ng	98
4) n-Nitrosodimethylamine	3.493	42	17344	5.165	ng	99
6) Aniline	6.628	93	40333	6.051	ng	97
8) 2-Chlorophenol	6.751	128	26245	5.644	ng	96
9) Benzaldehyde	6.516	77	24413	6.314	ng	98
10) Phenol	6.593	94	31713	5.380	ng	99
11) bis(2-Chloroethyl)ether	6.698	93	26723	5.632	ng	97
12) 1,3-Dichlorobenzene	6.910	146	29731	5.374	ng	97
13) 1,4-Dichlorobenzene	6.987	146	31120	5.532	ng	95
14) 1,2-Dichlorobenzene	7.140	146	29520	5.638	ng	99
15) Benzyl Alcohol	7.128	79	8741	1.927	ng	# 50
16) 2,2'-oxybis(1-Chloropr...	7.240	45	50991	5.676	ng	95
17) 2-Methylphenol	7.204	107	21848	5.374	ng	96
18) Hexachloroethane	7.487	117	11078	5.539	ng	97
19) n-Nitroso-di-n-propyla...	7.375	70	21105	5.510	ng	98
20) 3+4-Methylphenols	7.363	107	26667	5.136	ng	87
22) Acetophenone	7.375	105	43252	6.016	ng	96
24) Nitrobenzene	7.551	77	31900	6.188	ng	95
25) Isophorone	7.787	82	55924	5.751	ng	99
26) 2-Nitrophenol	7.869	139	7100	4.348	ng	94
27) 2,4-Dimethylphenol	7.898	122	22639m	5.922	ng	
28) bis(2-Chloroethoxy)met...	7.998	93	33317	6.134	ng	96
29) 2,4-Dichlorophenol	8.104	162	21463	5.242	ng	98
30) 1,2,4-Trichlorobenzene	8.198	180	28149	5.538	ng	98
31) Naphthalene	8.281	128	82738	5.608	ng	99
32) Benzoic acid	7.928	122	6507m	2.845	ng	
33) 4-Chloroaniline	8.328	127	34170	5.963	ng	92
34) Hexachlorobutadiene	8.398	225	18291	5.445	ng	97
35) Caprolactam	8.651	113	5754	5.048	ng	# 85
36) 4-Chloro-3-methylphenol	8.798	107	23726	5.377	ng	98
37) 2-Methylnaphthalene	8.975	142	57519	5.785	ng	95
38) 1-Methylnaphthalene	9.075	142	53986	5.603	ng	97
40) 1,2,4,5-Tetrachloroben...	9.139	216	30304	5.994	ng	98
41) Hexachlorocyclopentadiene	9.128	237	12035	5.502	ng	99
43) 2,4,6-Trichlorophenol	9.245	196	12319	4.098	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.287	196	17308	5.284	ng	94
46) 1,1'-Biphenyl	9.439	154	74728	6.263	ng	99
47) 2-Chloronaphthalene	9.469	162	56692	5.918	ng	96
48) 2-Nitroaniline	9.557	65	12651	4.777	ng	97
49) Acenaphthylene	9.886	152	85334	5.831	ng	98
50) Dimethylphthalate	9.734	163	62550	5.590	ng	99
51) 2,6-Dinitrotoluene	9.798	165	9100	4.951	ng	92
52) Acenaphthene	10.057	154	51235	5.611	ng	98
53) 3-Nitroaniline	9.969	138	9871	5.075	ng	99
54) 2,4-Dinitrophenol	10.069	184	1424	2.199	ng	# 14
55) Dibenzofuran	10.228	168	78985	5.965	ng	96
56) 4-Nitrophenol	10.110	139	5183	3.541	ng	# 88
57) 2,4-Dinitrotoluene	10.198	165	10325	4.646	ng	97
58) Fluorene	10.575	166	61784	5.876	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.339	232	12306	4.436	ng	# 97
60) Diethylphthalate	10.439	149	59447	5.569	ng	99
61) 4-Chlorophenyl-phenylether	10.569	204	32098	6.021	ng	92
62) 4-Nitroaniline	10.575	138	9328	4.720	ng	86
63) Azobenzene	10.728	77	61223	5.522	ng	99
65) 4,6-Dinitro-2-methylph...	10.604	198	2711	2.694	ng	91
66) n-Nitrosodiphenylamine	10.681	169	50945	5.447	ng	98
67) 4-Bromophenyl-phenylether	11.063	248	19333	5.551	ng	90
68) Hexachlorobenzene	11.122	284	21079	5.579	ng	98
69) Atrazine	11.204	200	17817	5.971	ng	93
70) Pentachlorophenol	11.316	266	6004m	2.974	ng	
71) Phenanthrene	11.545	178	88845	5.536	ng	98
72) Anthracene	11.592	178	90651	5.776	ng	98
73) Carbazole	11.751	167	75170	5.698	ng	99
74) Di-n-butylphthalate	12.080	149	84571	5.309	ng	100
75) Fluoranthene	12.739	202	94695	5.686	ng	98
77) Benzidine	12.863	184	34170	7.519	ng	95
78) Pyrene	12.969	202	94150	4.870	ng	99
80) Butylbenzylphthalate	13.592	149	24888	4.256	ng	# 90
81) Benzo(a)anthracene	14.163	228	75813	5.352	ng	96
82) 3,3'-Dichlorobenzidine	14.127	252	19027	5.059	ng	# 97
83) Chrysene	14.204	228	70495	5.203	ng	99
84) Bis(2-ethylhexyl)phtha...	14.157	149	32803	4.819	ng	95
85) Di-n-octyl phthalate	14.780	149	35258	3.649	ng	# 97
87) Indeno(1,2,3-cd)pyrene	17.292	276	42424	4.004	ng	97
88) Benzo(b)fluoranthene	15.257	252	50719	5.394	ng	97
89) Benzo(k)fluoranthene	15.286	252	52388	5.451	ng	98
90) Benzo(a)pyrene	15.651	252	41437	5.368	ng	99
91) Dibenzo(a,h)anthracene	17.315	278	37597	4.312	ng	94
92) Benzo(g,h,i)perylene	17.774	276	38323	4.347	ng	98

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

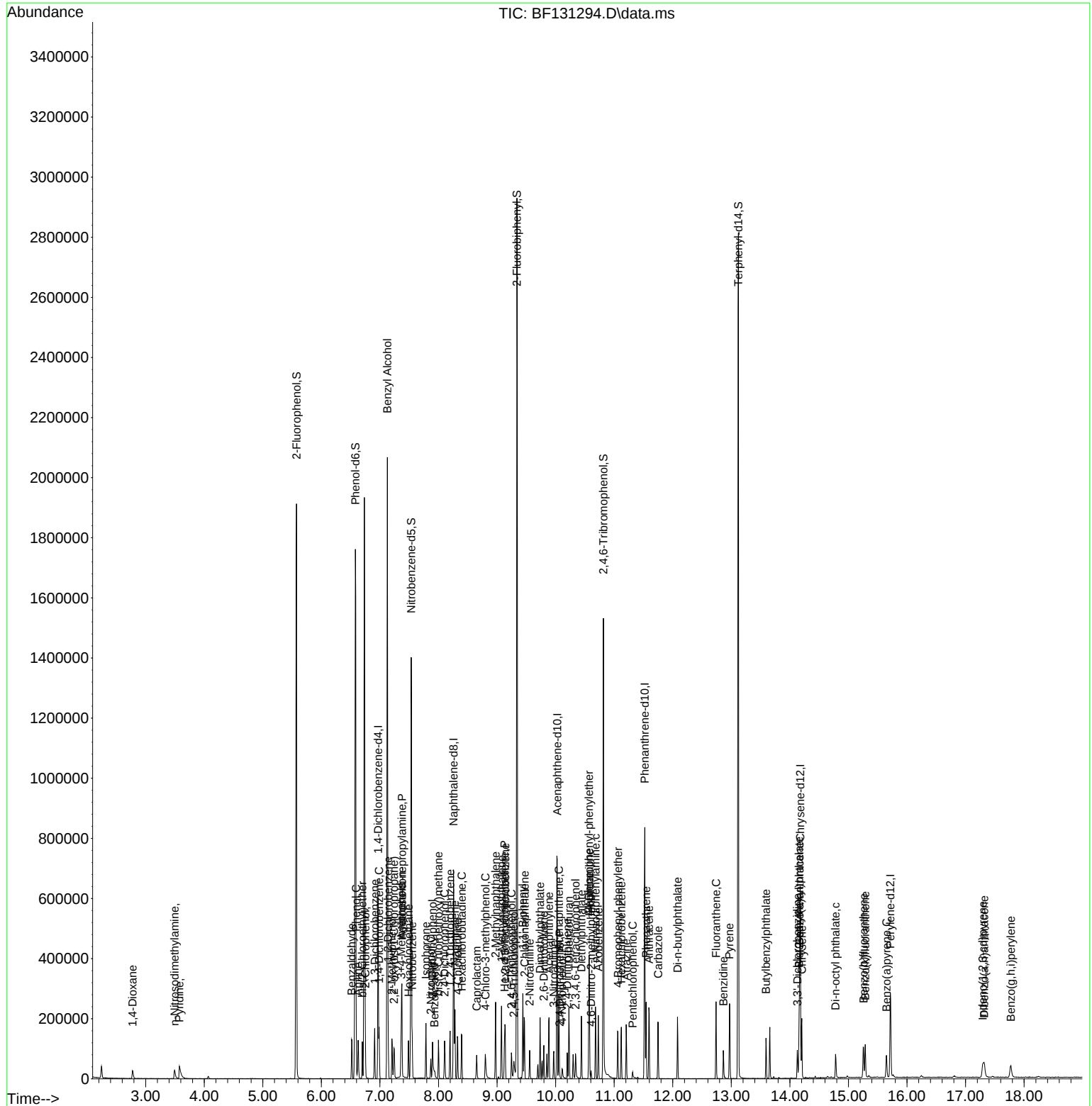
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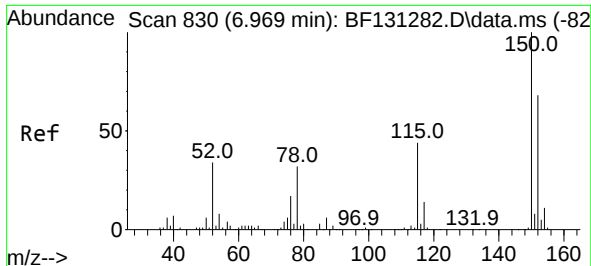
Instrument :
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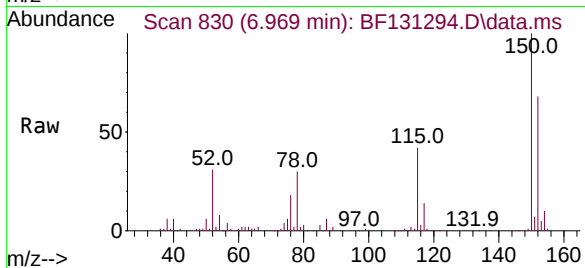
Reviewed By : Christian Giraldo 11/21/2022
 Supervised By : Jagrut Upadhyay 11/21/2022





#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.969 min Scan# 830
 Delta R.T. 0.000 min
 Lab File: BF131294.D
 Acq: 18 Nov 2022 11:40

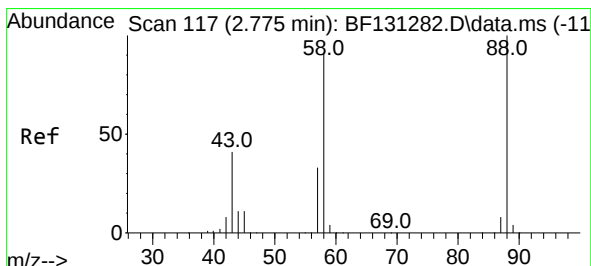
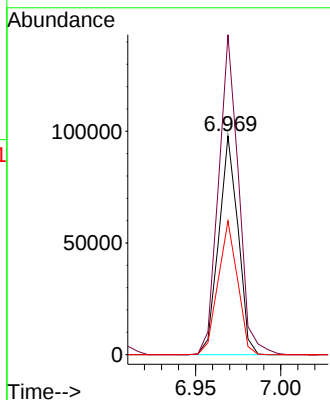
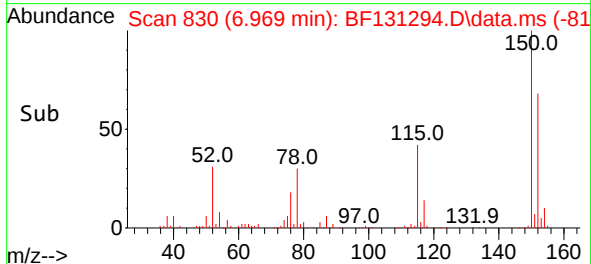
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022



Tgt Ion:152 Resp: 76895
 Ion Ratio Lower Upper
 152 100
 150 146.4 117.8 176.6
 115 61.1 52.2 78.4

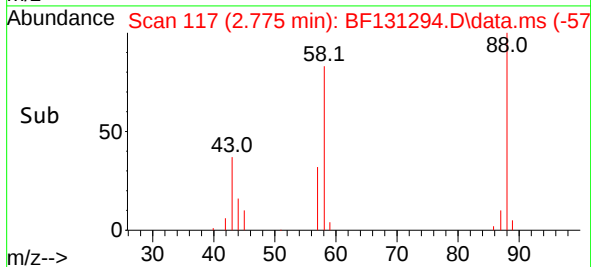
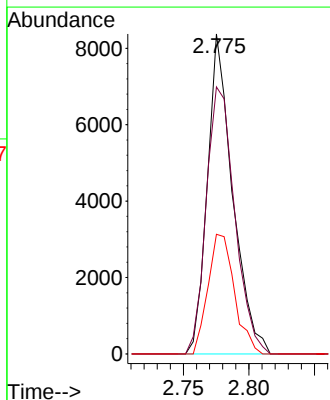
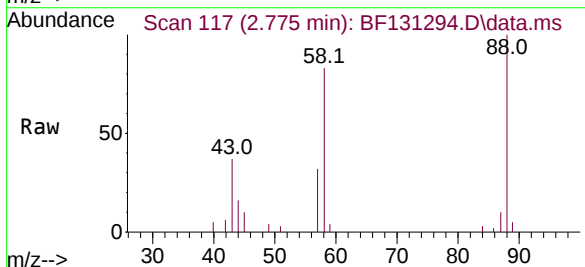
Manual Integrations
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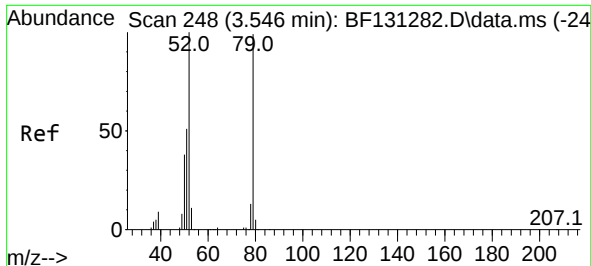
Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022



#2
 1,4-Dioxane
 Concen: 5.760 ng
 RT: 2.775 min Scan# 117
 Delta R.T. 0.000 min
 Lab File: BF131294.D
 Acq: 18 Nov 2022 11:40

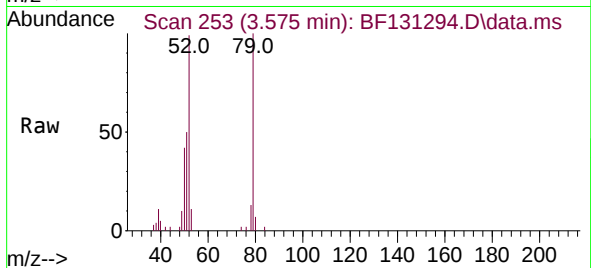
Tgt Ion: 88 Resp: 11188
 Ion Ratio Lower Upper
 88 100
 58 94.2 76.0 114.0
 43 39.2 32.4 48.6





#3
Pyridine
Concen: 4.822 ng
RT: 3.575 min Scan# 21
Delta R.T. 0.029 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

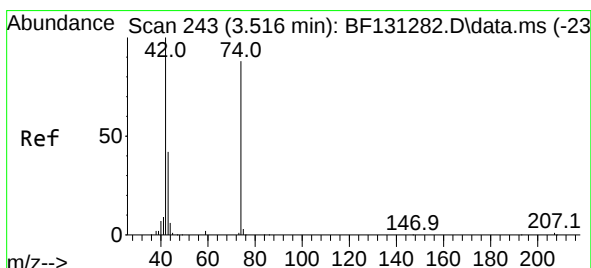
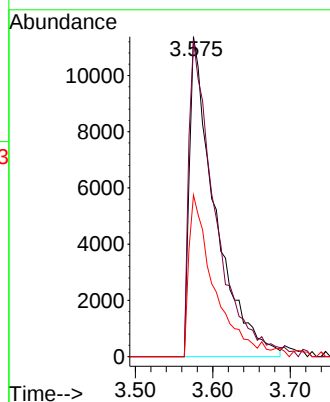
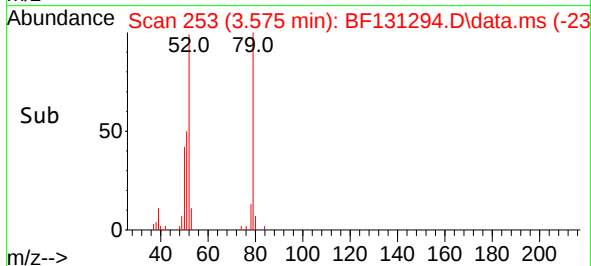
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



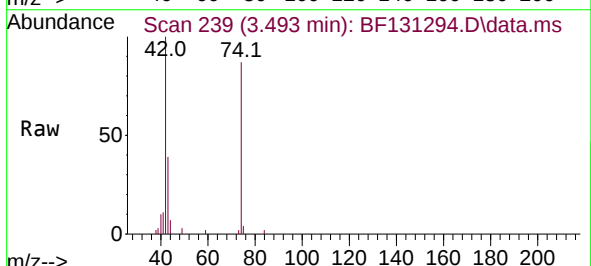
Tgt Ion: 79 Resp: 26099
Ion Ratio Lower Upper
79 100
52 98.9 80.7 121.1
51 50.5 41.6 62.4

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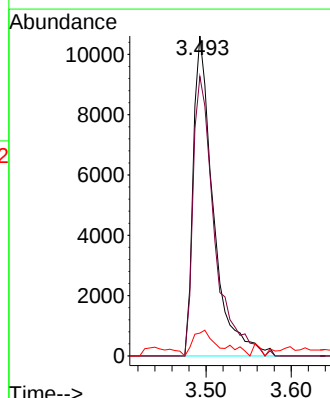
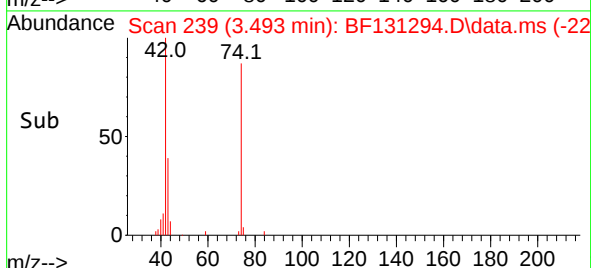
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

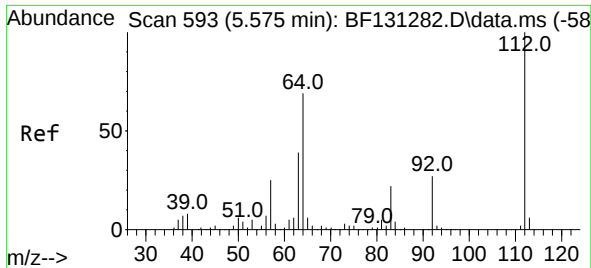


#4
n-Nitrosodimethylamine
Concen: 5.165 ng
RT: 3.493 min Scan# 239
Delta R.T. -0.024 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40



Tgt Ion: 42 Resp: 17344
Ion Ratio Lower Upper
42 100
74 87.3 70.3 105.5
44 7.2 5.4 8.2





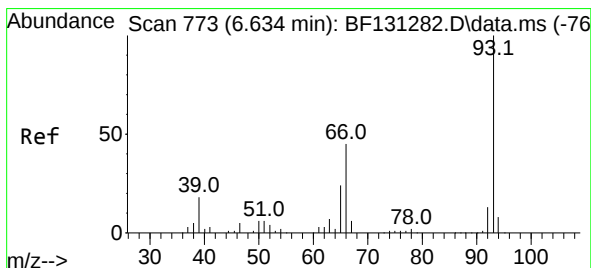
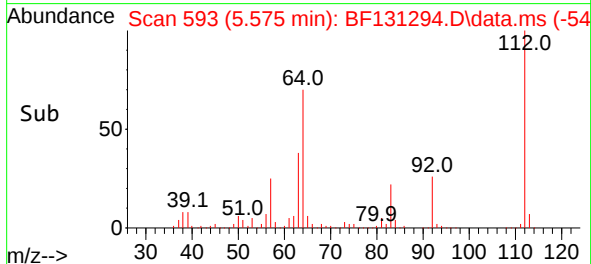
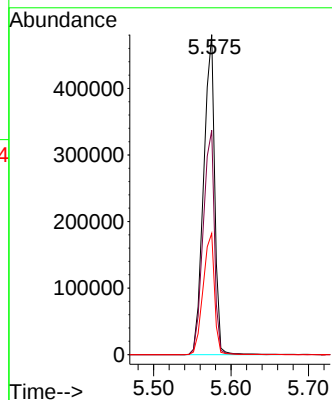
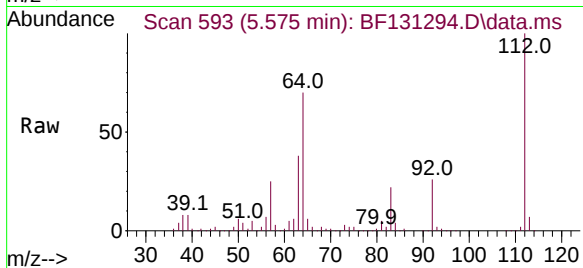
#5
2-Fluorophenol
Concen: 113.462 ng
RT: 5.575 min Scan# 593
Delta R.T. 0.000 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

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

Tgt Ion:112 Resp: 476669
Ion Ratio Lower Upper
112 100
64 70.1 55.5 83.3
63 37.9 31.0 46.6

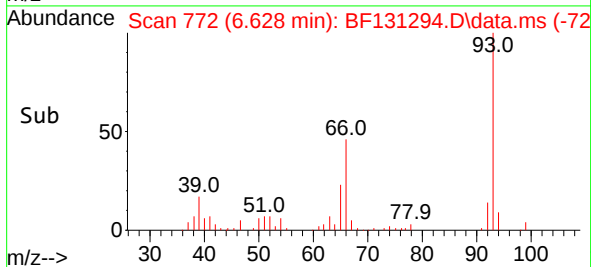
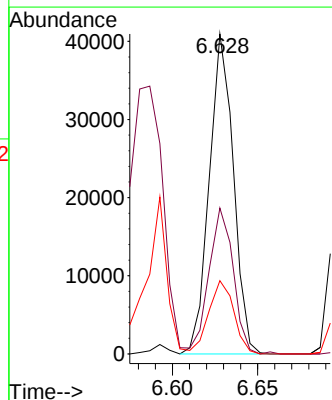
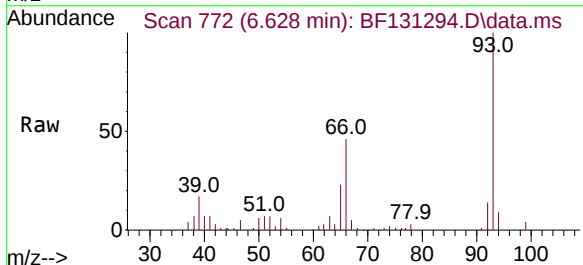
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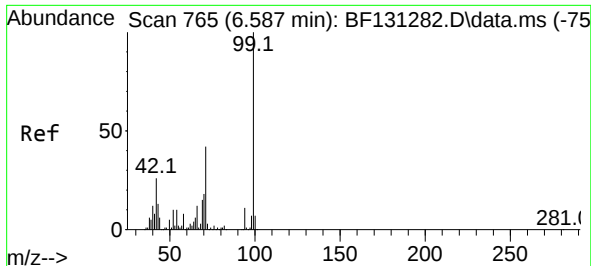
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#6
Aniline
Concen: 6.051 ng
RT: 6.628 min Scan# 772
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

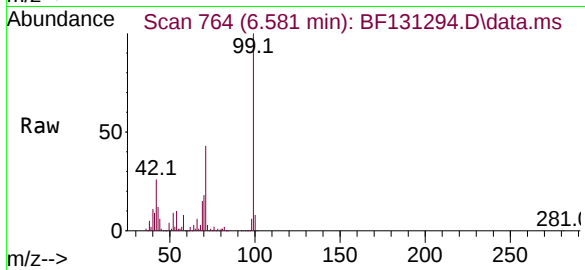
Tgt Ion: 93 Resp: 40333
Ion Ratio Lower Upper
93 100
66 45.6 37.7 56.5
65 22.9 19.5 29.3





#7
Phenol-d6
Concen: 112.195 ng
RT: 6.581 min Scan# 764
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

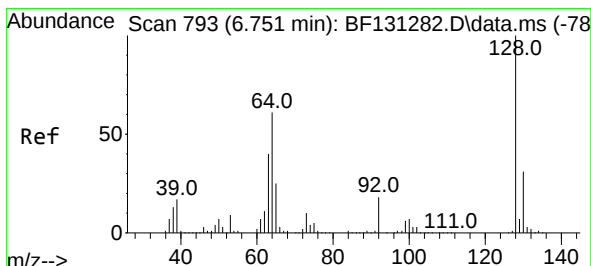
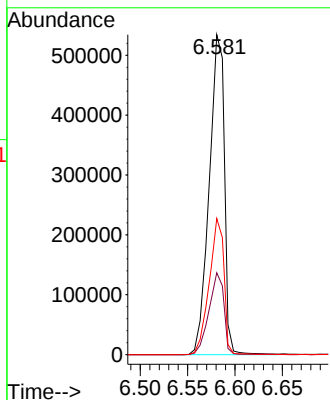
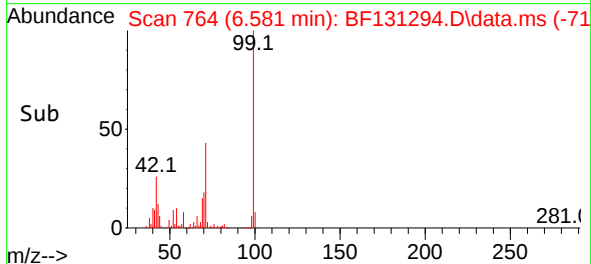
Instrument :
BNA_F
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LOQ-SOIL-02-QT4-2022



Tgt Ion: 99 Resp: 59753
Ion Ratio Lower Upper
99 100
42 25.6 21.2 31.8
71 42.5 33.8 50.6

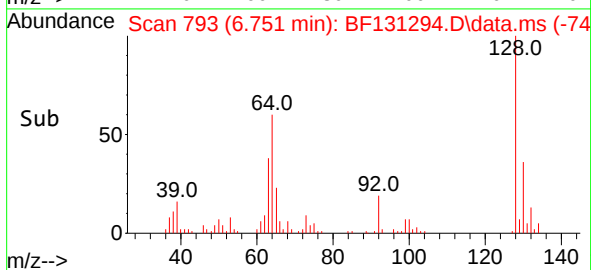
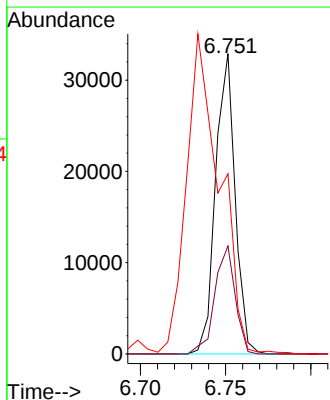
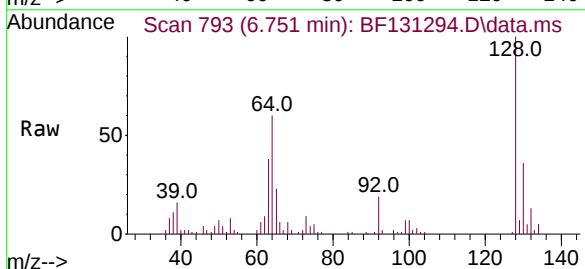
Manual Integrations
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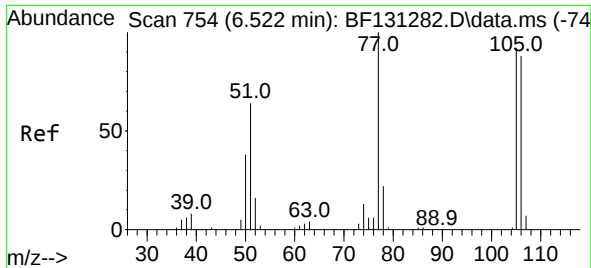
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#8
2-Chlorophenol
Concen: 5.644 ng
RT: 6.751 min Scan# 793
Delta R.T. 0.000 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:128 Resp: 26245
Ion Ratio Lower Upper
128 100
130 35.9 11.4 51.4
64 60.0 40.9 80.9





#9

Benzaldehyde

Concen: 6.314 ng

RT: 6.516 min Scan# 753

Delta R.T. -0.006 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

Instrument :

BNA_F

ClientSampleId :

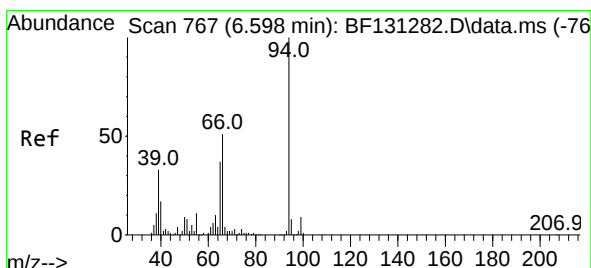
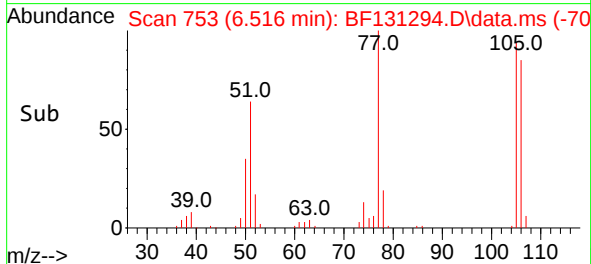
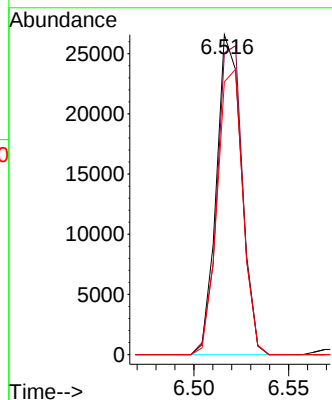
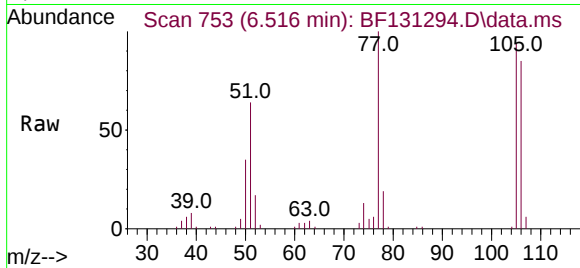
LOQ-SOIL-02-QT4-2022

Tgt Ion: 77	Resp: 24413
Ion Ratio	Lower Upper
77 100	
105 94.3	72.5 112.5
106 85.2	67.7 107.7

Manual Integrations

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



#10

Phenol

Concen: 5.380 ng

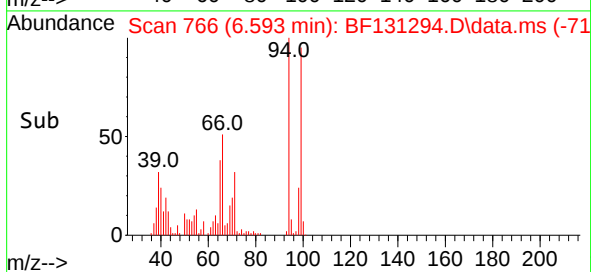
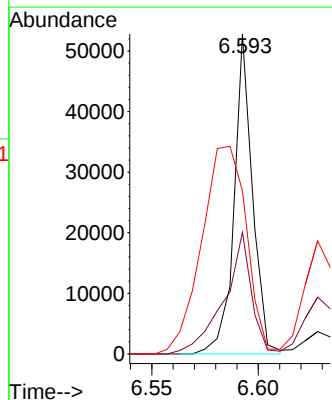
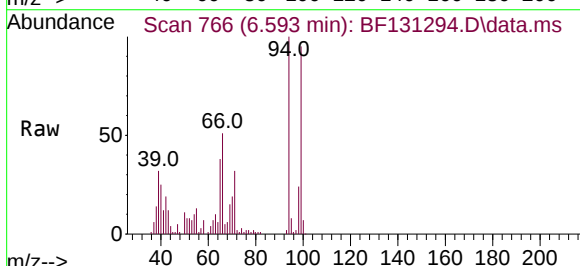
RT: 6.593 min Scan# 766

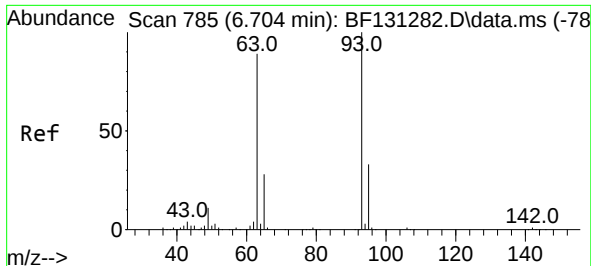
Delta R.T. -0.006 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

Tgt Ion: 94	Resp: 31713
Ion Ratio	Lower Upper
94 100	
65 38.0	16.8 56.8
66 51.0	31.4 71.4





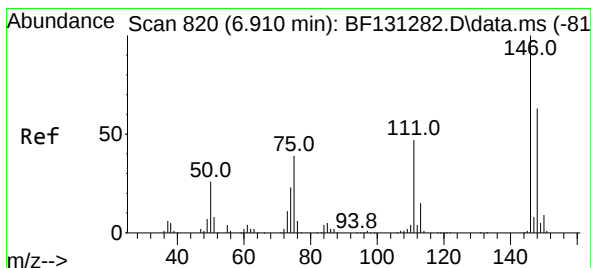
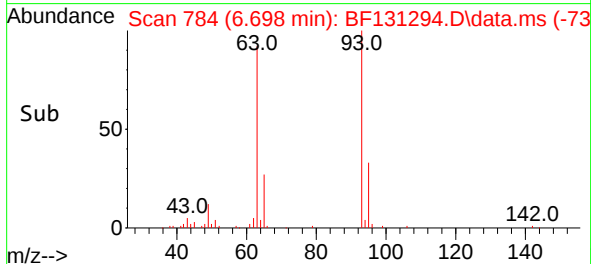
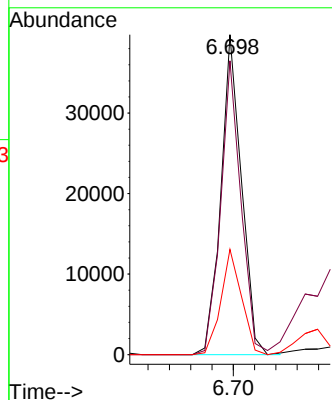
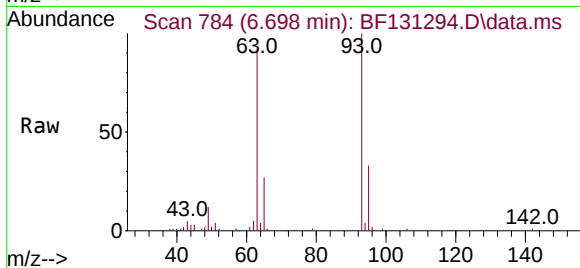
#11
bis(2-Chloroethyl)ether
Concen: 5.632 ng
RT: 6.698 min Scan# 785
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

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

Tgt Ion: 93 Resp: 26723
Ion Ratio Lower Upper
93 100
63 91.8 68.8 108.8
95 32.9 12.4 52.4

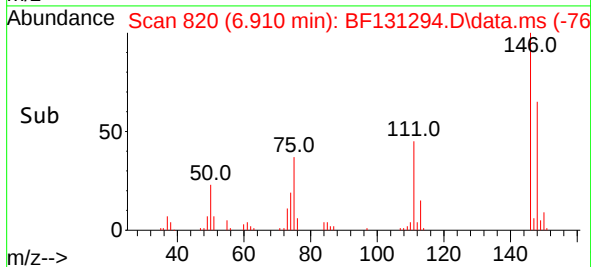
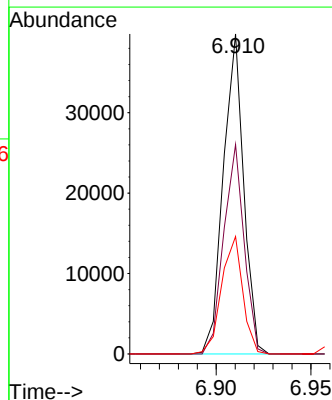
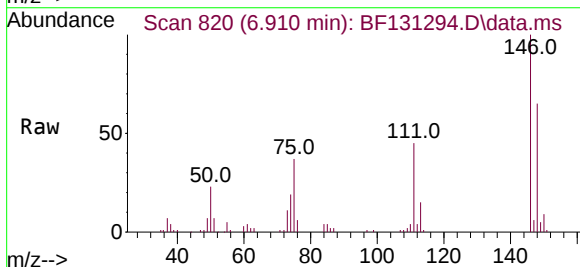
Manual Integrations
APPROVED

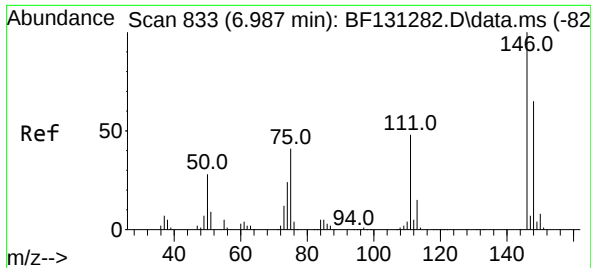
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#12
1,3-Dichlorobenzene
Concen: 5.374 ng
RT: 6.910 min Scan# 820
Delta R.T. 0.000 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

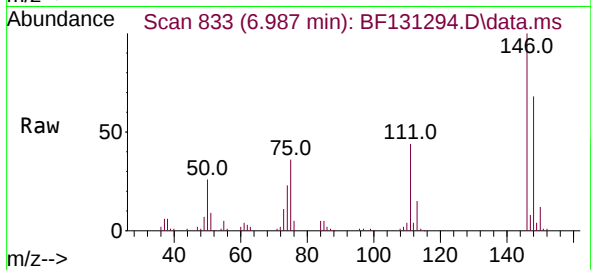
Tgt Ion:146 Resp: 29731
Ion Ratio Lower Upper
146 100
148 65.4 50.4 75.6
75 36.7 30.9 46.3





#13
1,4-Dichlorobenzene
Concen: 5.532 ng
RT: 6.987 min Scan# 833
Delta R.T. 0.000 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

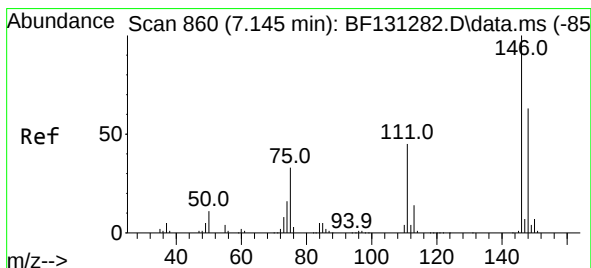
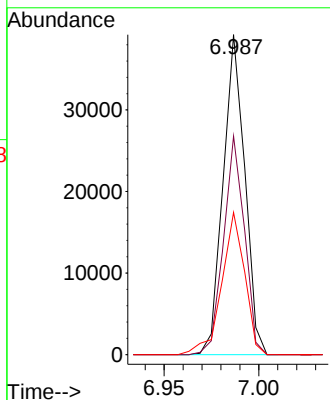
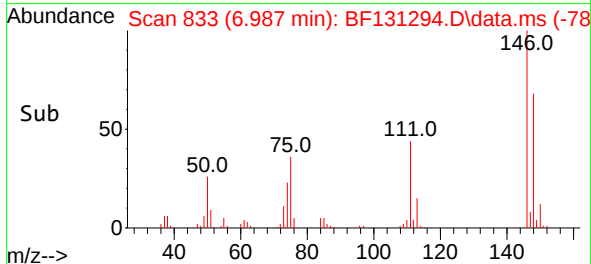
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



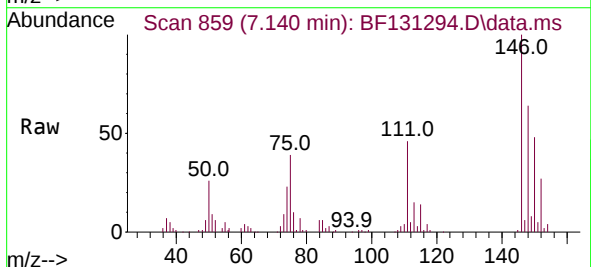
Tgt Ion:146 Resp: 31120
Ion Ratio Lower Upper
146 100
148 68.3 51.9 77.9
111 44.4 38.3 57.5

Manual Integrations
APPROVED

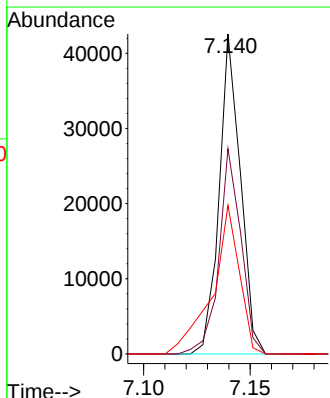
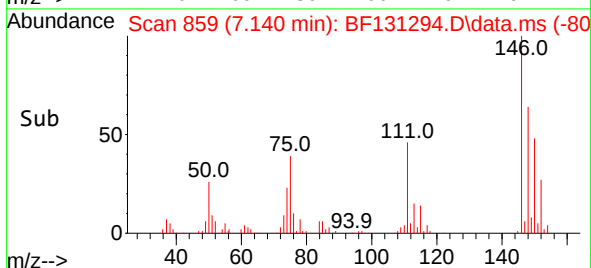
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

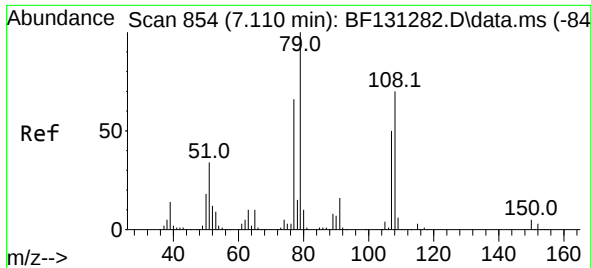


#14
1,2-Dichlorobenzene
Concen: 5.638 ng
RT: 7.140 min Scan# 859
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40



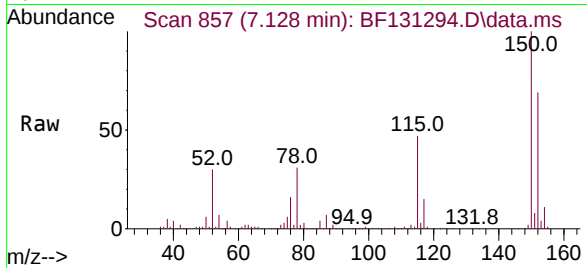
Tgt Ion:146 Resp: 29520
Ion Ratio Lower Upper
146 100
148 64.1 50.6 75.8
111 46.4 36.4 54.6





#15
Benzyl Alcohol
Concen: 1.927 ng
RT: 7.128 min Scan# 854
Delta R.T. 0.018 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

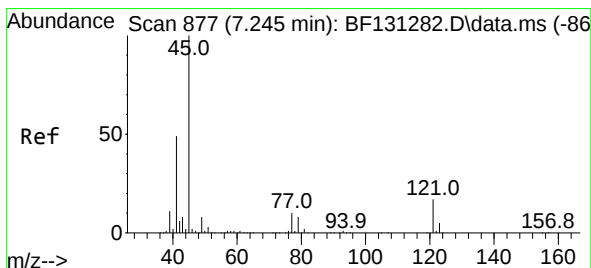
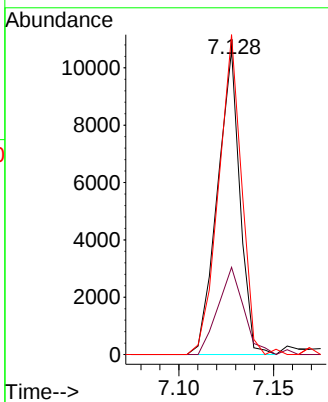
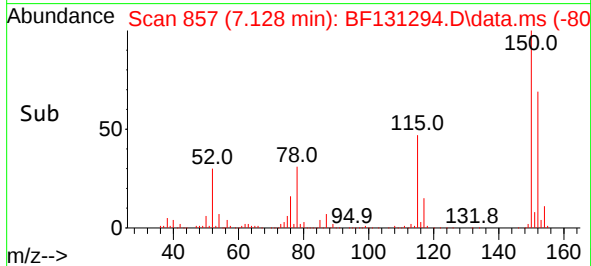
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion: 79 Resp: 874
Ion Ratio Lower Upper
79 100
108 28.7 56.3 84.5
77 105.0 52.5 78.7

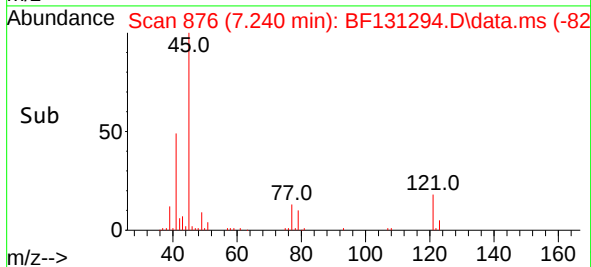
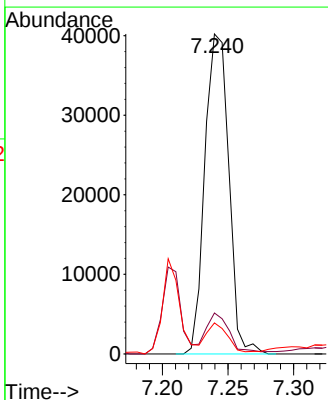
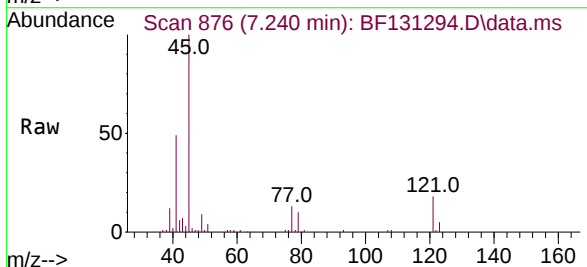
Manual Integrations
APPROVED

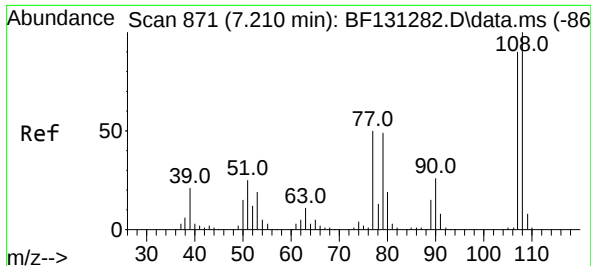
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 5.676 ng
RT: 7.240 min Scan# 876
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

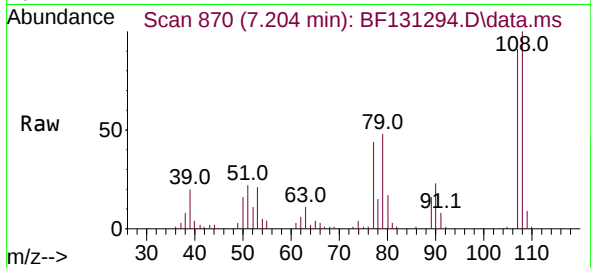
Tgt Ion: 45 Resp: 50991
Ion Ratio Lower Upper
45 100
77 12.8 0.0 30.8
79 9.7 0.0 28.4





#17
2-Methylphenol
Concen: 5.374 ng
RT: 7.204 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

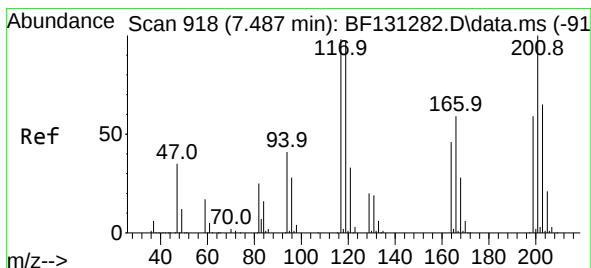
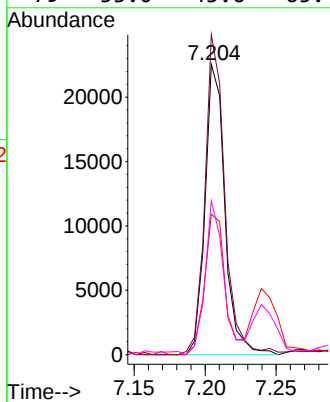
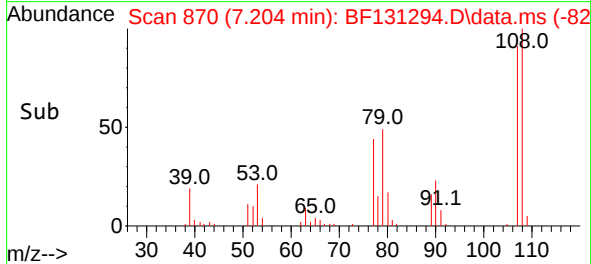
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:107 Resp: 21848
Ion Ratio Lower Upper
107 100
108 110.3 89.2 133.8
77 48.4 45.0 67.4
79 53.0 43.6 65.4

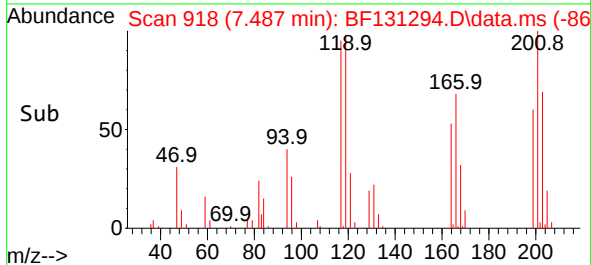
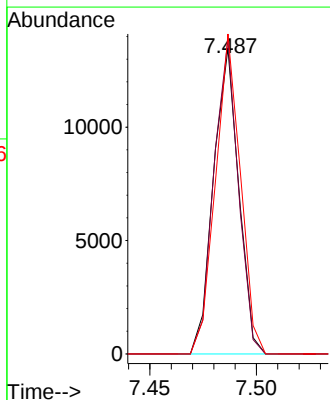
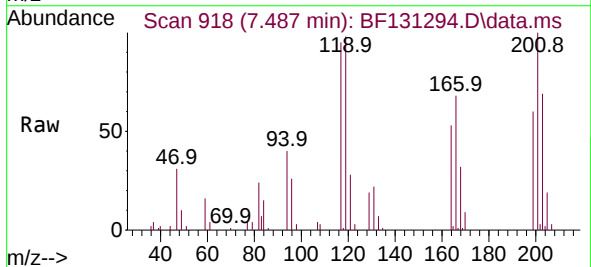
Manual Integrations
APPROVED

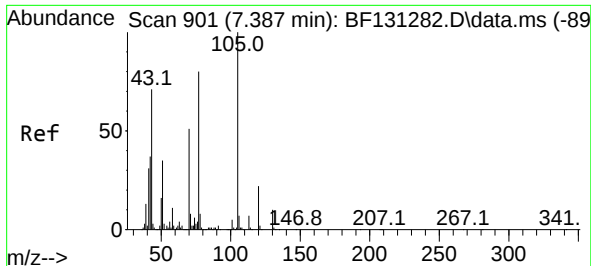
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#18
Hexachloroethane
Concen: 5.539 ng
RT: 7.487 min Scan# 918
Delta R.T. 0.000 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

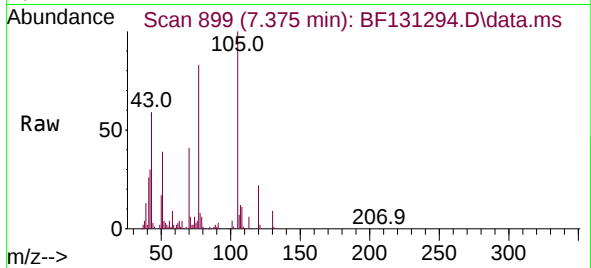
Tgt Ion:117 Resp: 11078
Ion Ratio Lower Upper
117 100
119 103.0 79.0 118.4
201 104.7 81.7 122.5





#19
n-Nitroso-di-n-propylamine
Concen: 5.510 ng
RT: 7.375 min Scan# 89
Delta R.T. -0.012 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

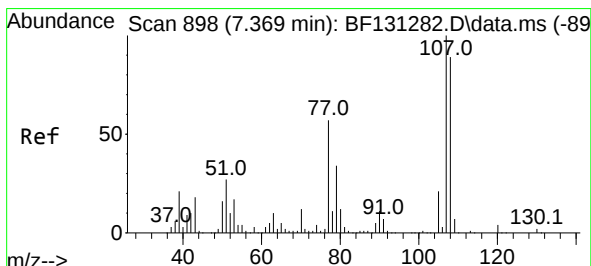
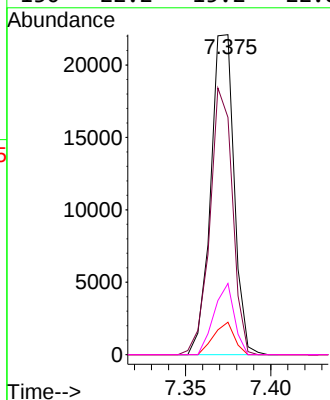
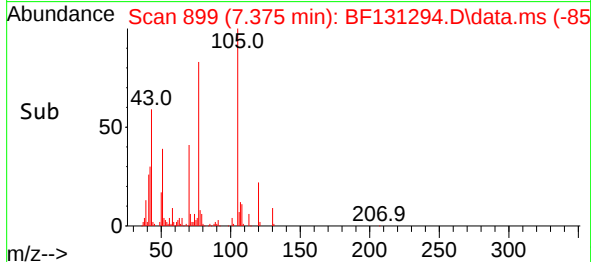
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion: 70 Resp: 21105
Ion Ratio Lower Upper
70 100
42 74.1 58.9 88.3
101 10.1 7.2 10.8
130 22.2 15.2 22.8

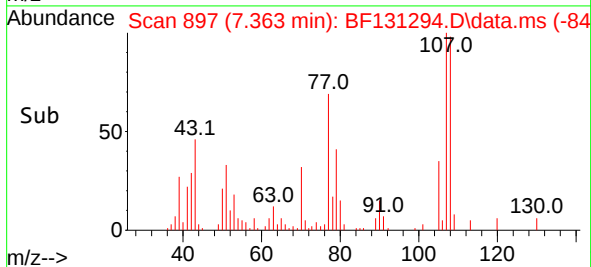
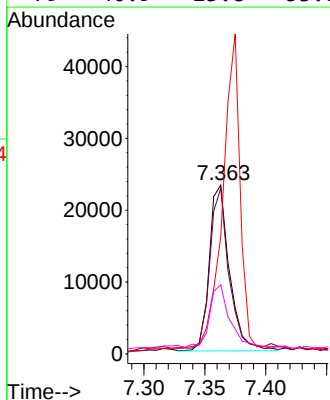
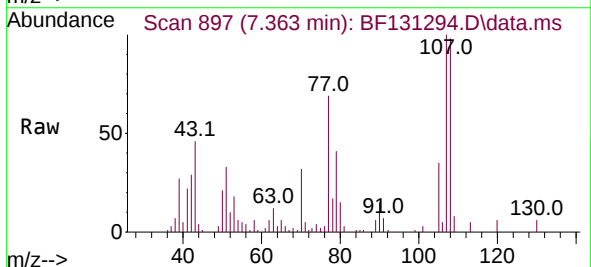
Manual Integrations
APPROVED

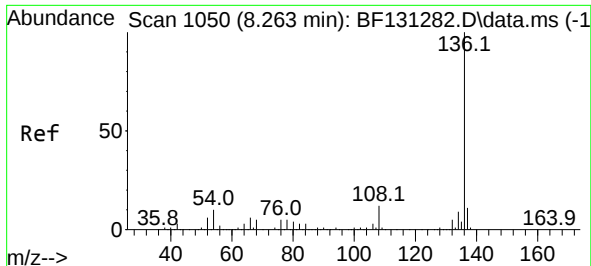
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#20
3+4-Methylphenols
Concen: 5.136 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

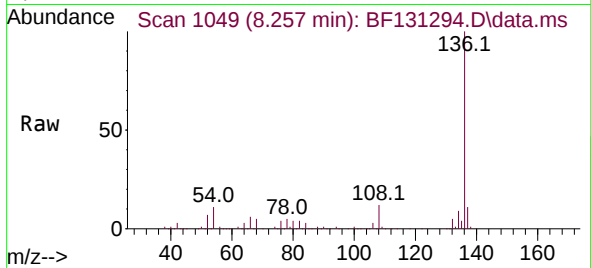
Tgt Ion:107 Resp: 26667
Ion Ratio Lower Upper
107 100
108 98.2 69.0 109.0
77 69.4 36.9 76.9
79 40.9 13.8 53.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.257 min Scan# 1049
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

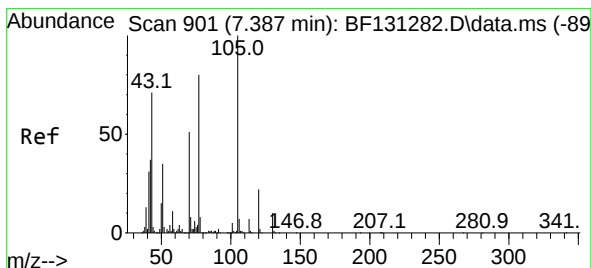
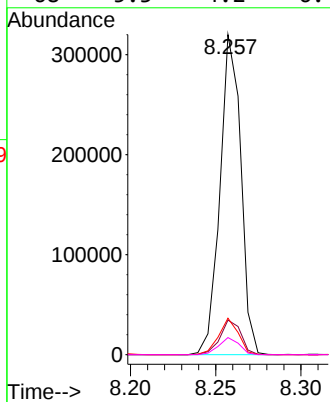
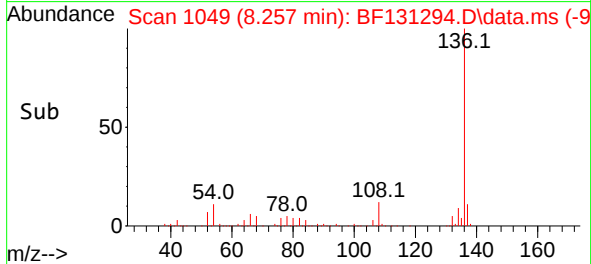
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



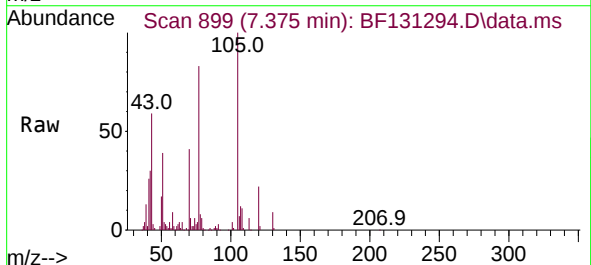
Tgt Ion:	136	Resp:	27207
Ion Ratio	Lower	Upper	
136	100		
137	10.8	8.6	12.8
54	11.4	8.2	12.2
68	5.3	4.2	6.4

Manual Integrations
APPROVED

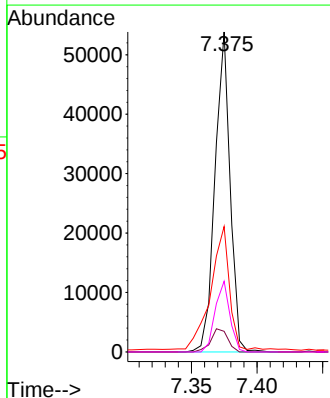
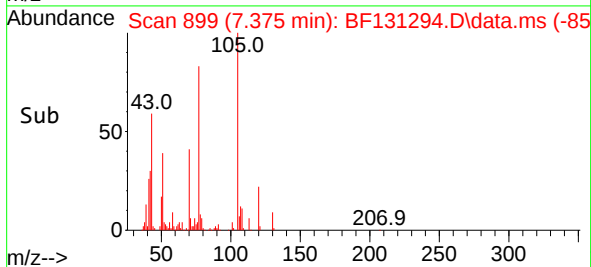
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

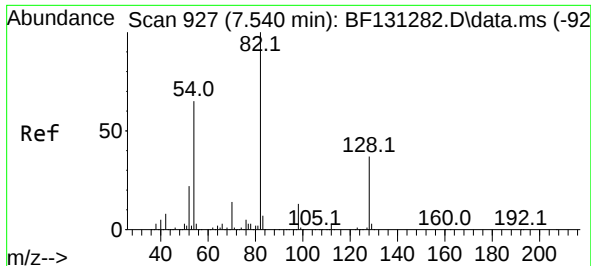


#22
Acetophenone
Concen: 6.016 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40



Tgt Ion:	105	Resp:	43252
Ion Ratio	Lower	Upper	
105	100		
71	6.4	6.4	9.6
51	39.2	28.0	42.0
120	22.1	17.7	26.5





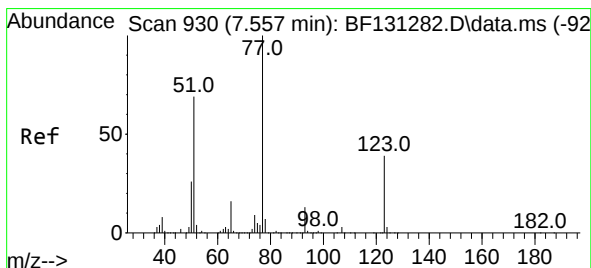
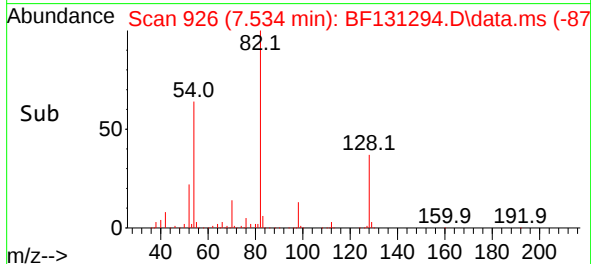
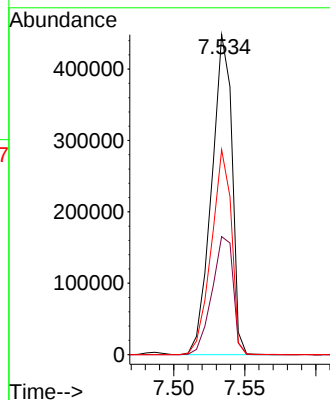
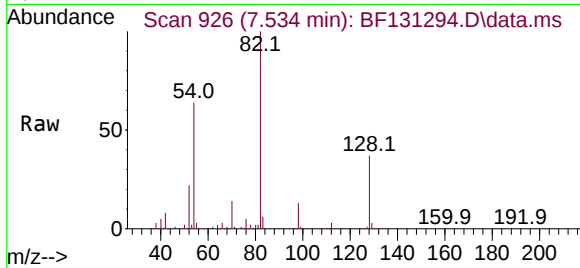
#23
Nitrobenzene-d5
Concen: 87.787 ng
RT: 7.534 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

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

Tgt Ion: 82 Resp: 447126
Ion Ratio Lower Upper
82 100
128 36.9 29.2 43.8
54 64.0 52.2 78.4

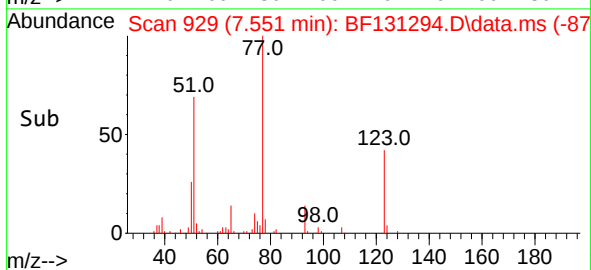
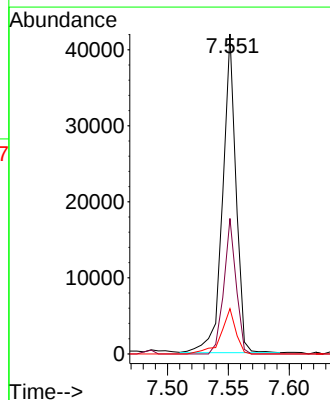
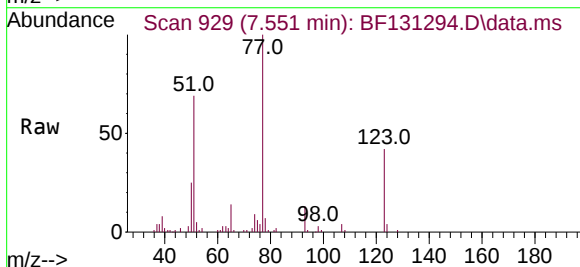
Manual Integrations
APPROVED

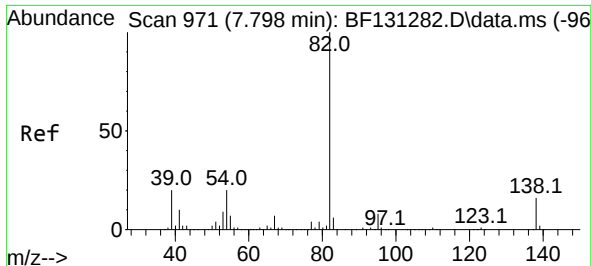
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#24
Nitrobenzene
Concen: 6.188 ng
RT: 7.551 min Scan# 929
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion: 77 Resp: 31900
Ion Ratio Lower Upper
77 100
123 42.3 31.0 46.6
65 14.1 12.6 19.0





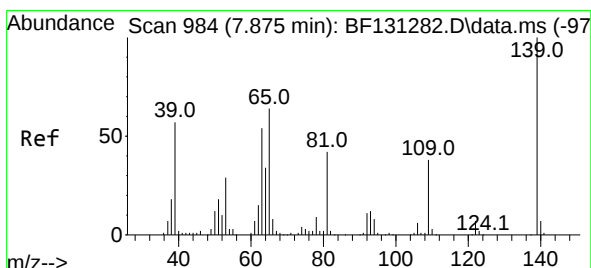
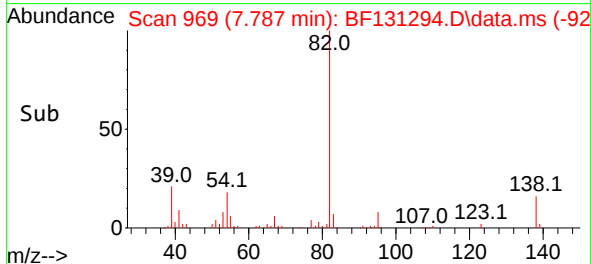
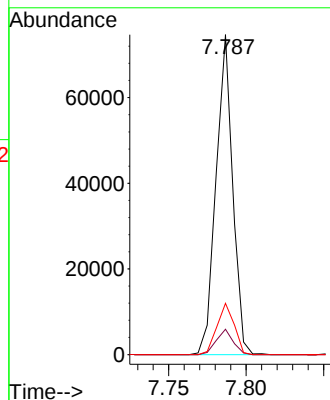
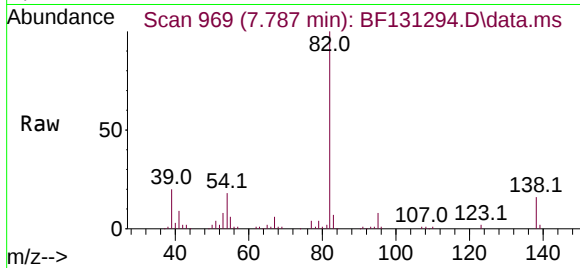
#25
Isophorone
Concen: 5.751 ng
RT: 7.787 min Scan# 90
Delta R.T. -0.011 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

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

Tgt Ion: 82 Resp: 55924
Ion Ratio Lower Upper
82 100
95 7.9 6.6 9.8
138 16.0 13.0 19.6

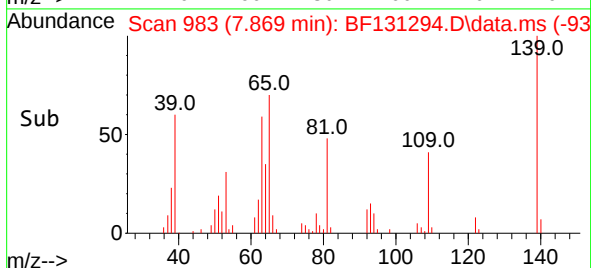
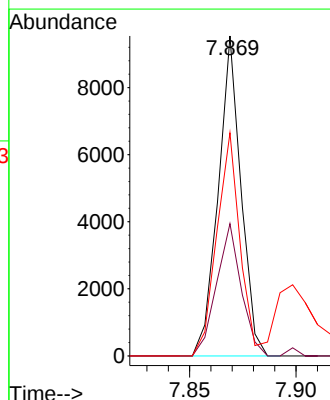
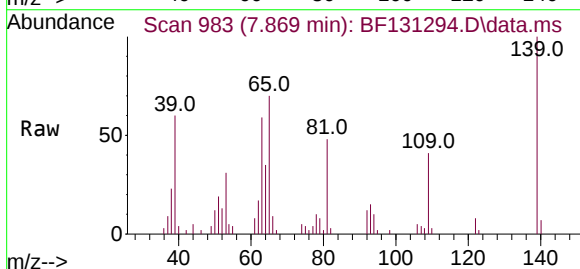
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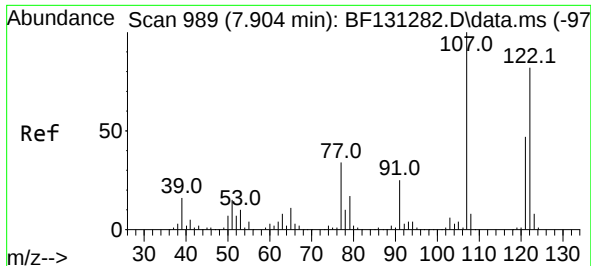
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#26
2-Nitrophenol
Concen: 4.348 ng
RT: 7.869 min Scan# 983
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:139 Resp: 7100
Ion Ratio Lower Upper
139 100
109 41.3 30.4 45.6
65 69.7 51.5 77.3





#27

2,4-Dimethylphenol

Concen: 5.922 ng m

RT: 7.898 min Scan# 98

Delta R.T. -0.006 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

Instrument :

BNA_F

ClientSampleId :

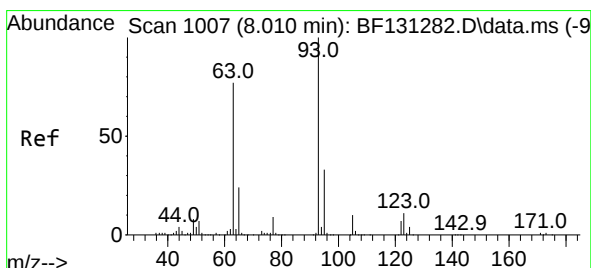
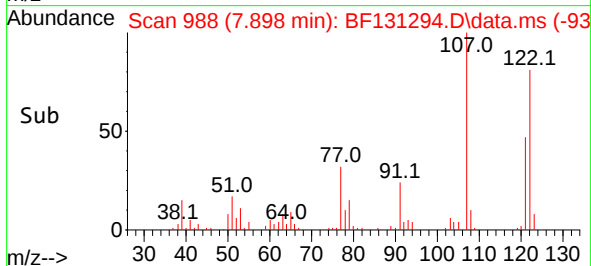
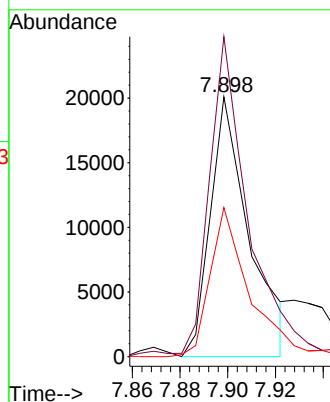
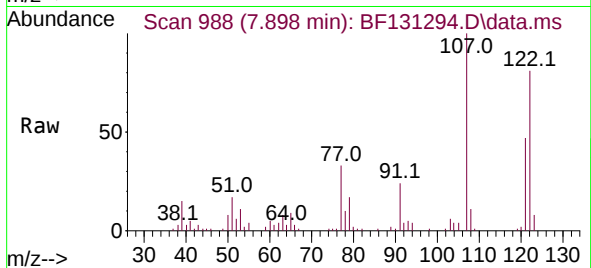
LOQ-SOIL-02-QT4-2022

Tgt Ion:122 Resp: 22639
 Ion Ratio Lower Upper
 122 100
 107 123.2 98.2 147.2
 121 57.4 46.3 69.5

Manual Integrations

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



#28

bis(2-Chloroethoxy)methane

Concen: 6.134 ng

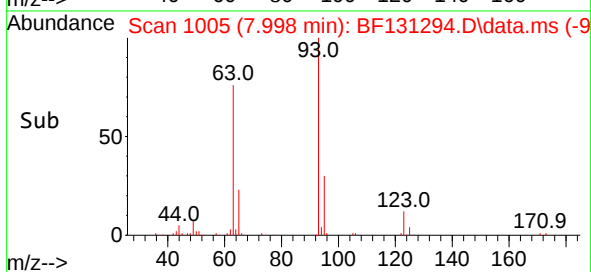
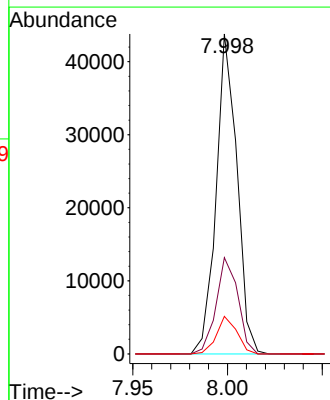
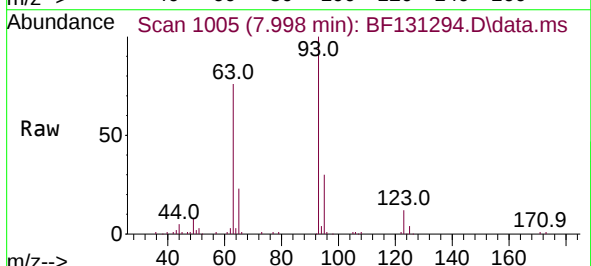
RT: 7.998 min Scan# 1005

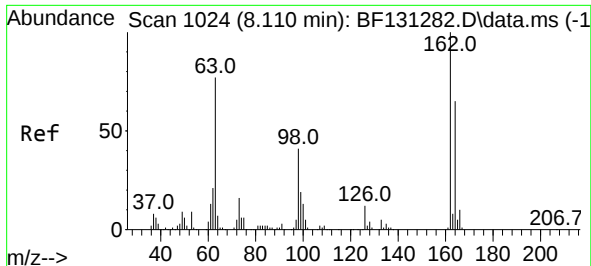
Delta R.T. -0.012 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

Tgt Ion: 93 Resp: 33317
 Ion Ratio Lower Upper
 93 100
 95 30.1 26.4 39.6
 123 11.7 9.3 13.9





#29

2,4-Dichlorophenol

Concen: 5.242 ng

RT: 8.104 min Scan# 1023

Delta R.T. -0.006 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

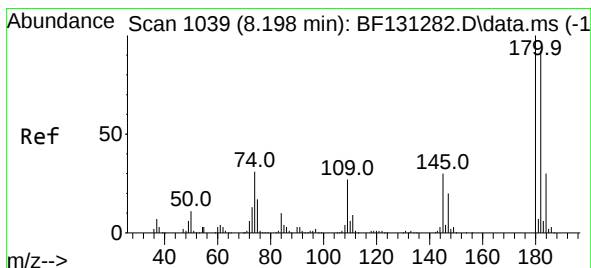
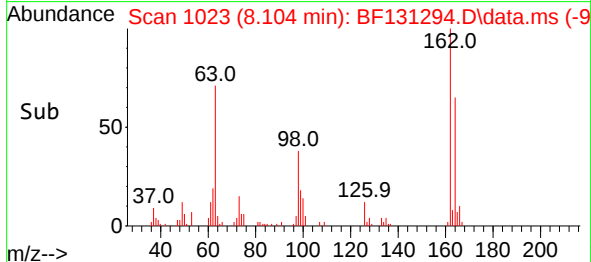
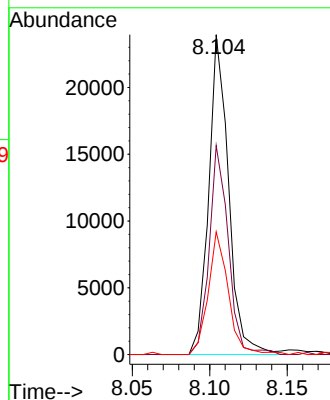
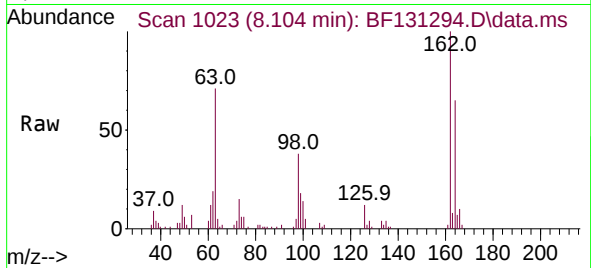
Tgt Ion:162	Resp:	21463
Ion Ratio	Lower	Upper
162	100	
164	65.3	44.7 84.7
98	38.4	21.5 61.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#30

1,2,4-Trichlorobenzene

Concen: 5.538 ng

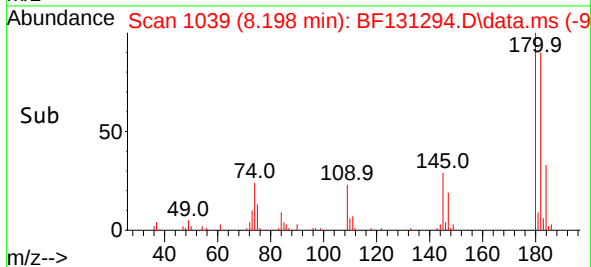
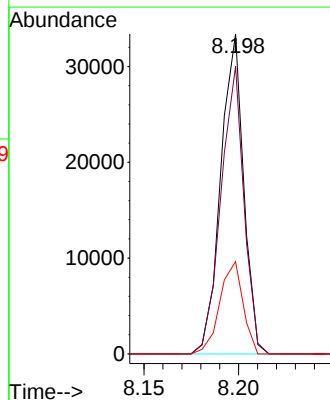
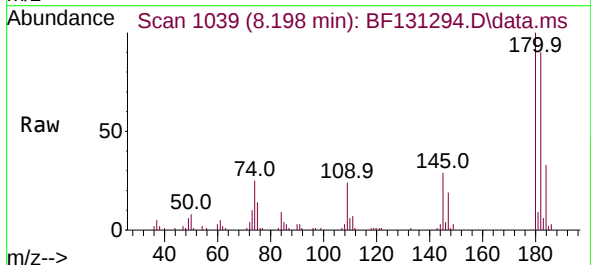
RT: 8.198 min Scan# 1039

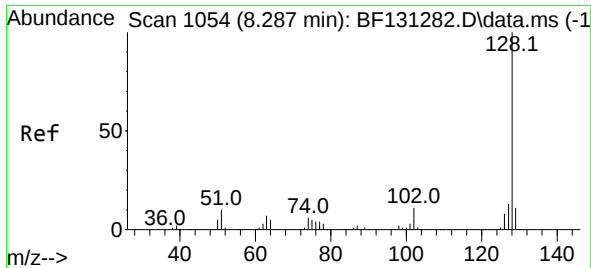
Delta R.T. 0.000 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

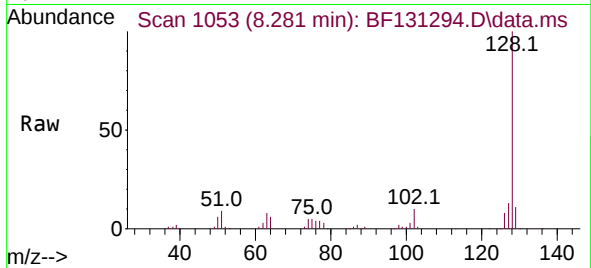
Tgt Ion:180	Resp:	28149
Ion Ratio	Lower	Upper
180	100	
182	89.9	74.0 111.0
145	28.8	23.8 35.6





#31
Naphthalene
Concen: 5.608 ng
RT: 8.281 min Scan# 1053
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

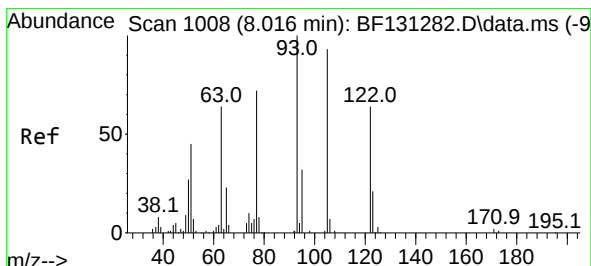
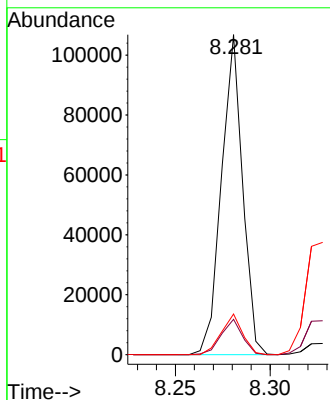
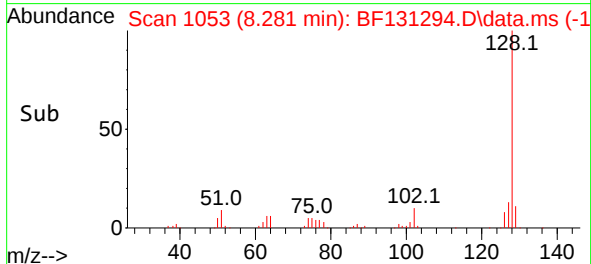
Instrument : BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:128 Resp: 82738
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 12.7 10.6 16.0

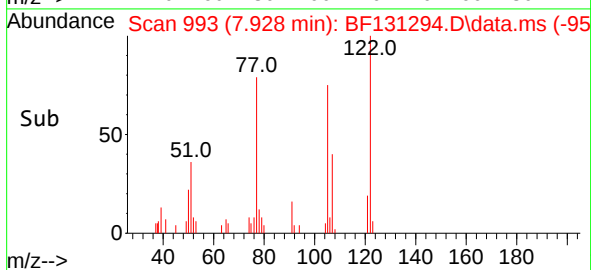
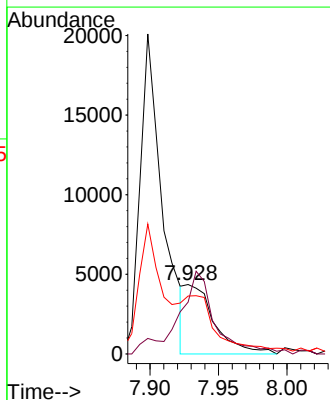
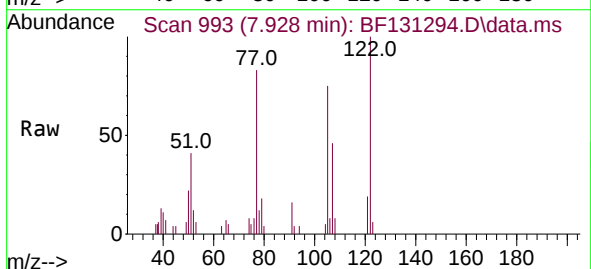
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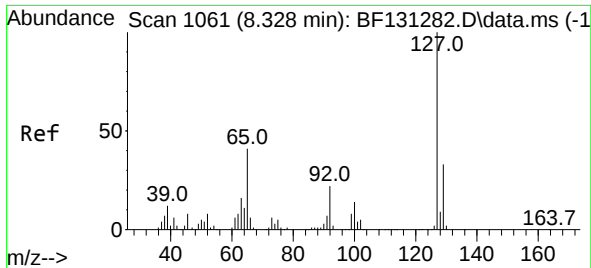
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#32
Benzoic acid
Concen: 2.845 ng m
RT: 7.928 min Scan# 993
Delta R.T. -0.088 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:122 Resp: 6507
Ion Ratio Lower Upper
122 100
105 74.7 121.4 161.4#
77 83.4 91.2 131.2#





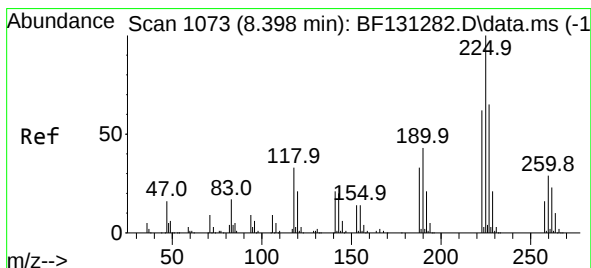
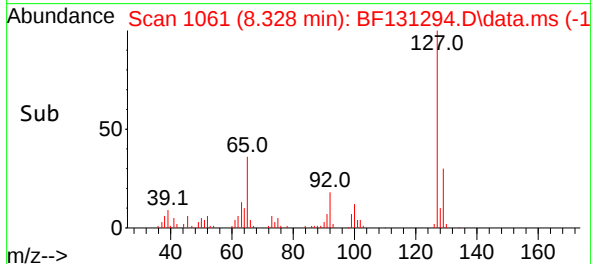
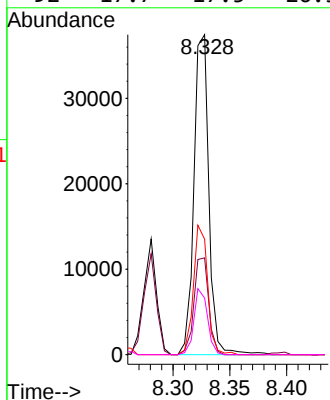
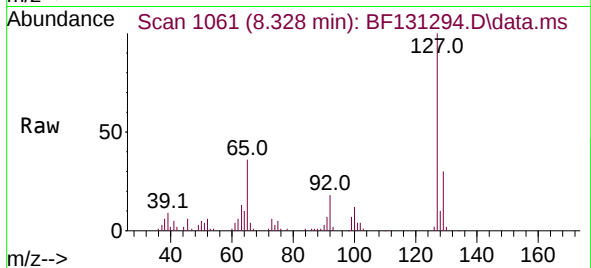
#33
4-Chloroaniline
Concen: 5.963 ng
RT: 8.328 min Scan# 1061
Delta R.T. 0.000 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

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

Tgt Ion:	127	Resp:	34170
Ion Ratio	Lower	Upper	
127	100		
129	30.2	26.6	40.0
65	36.1	33.2	49.8
92	17.7	17.5	26.3

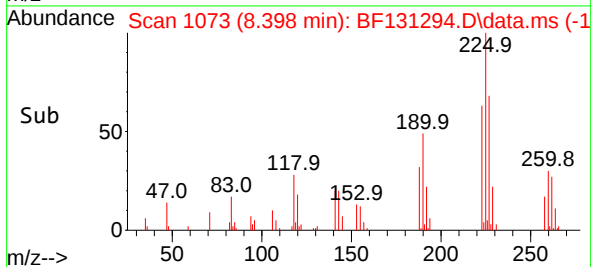
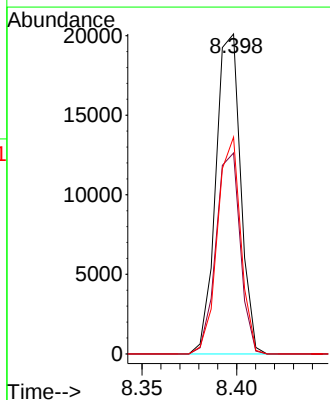
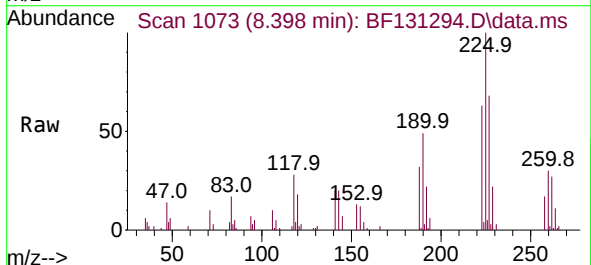
Manual Integrations
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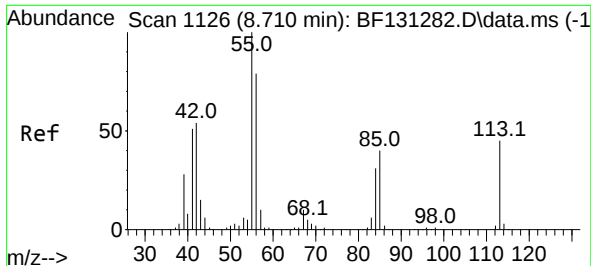
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#34
Hexachlorobutadiene
Concen: 5.445 ng
RT: 8.398 min Scan# 1073
Delta R.T. 0.000 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:	225	Resp:	18291
Ion Ratio	Lower	Upper	
225	100		
223	62.8	49.4	74.2
227	67.7	51.7	77.5





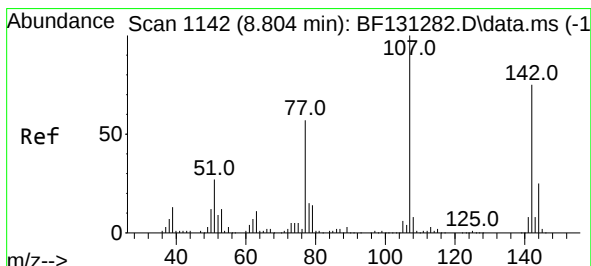
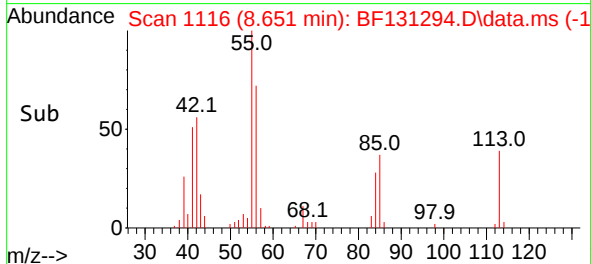
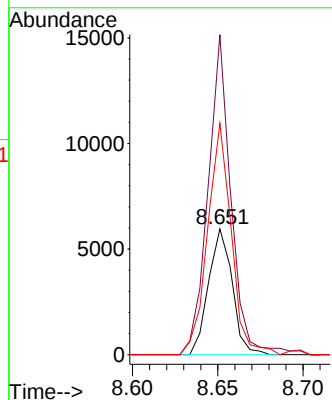
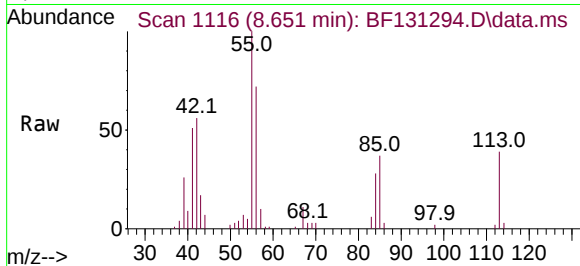
#35
Caprolactam
Concen: 5.048 ng
RT: 8.651 min Scan# 1116
Delta R.T. -0.059 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

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

Tgt Ion:113 Resp: 5754
Ion Ratio Lower Upper
113 100
55 254.6 200.6 240.6
56 184.1 154.5 194.5

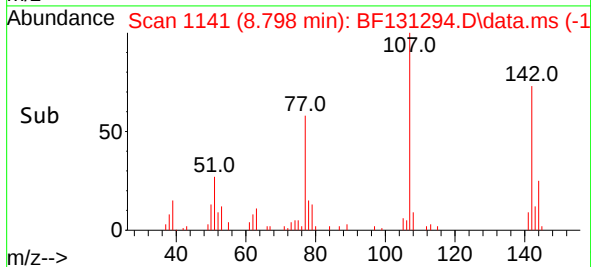
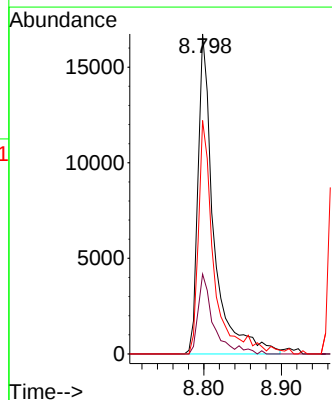
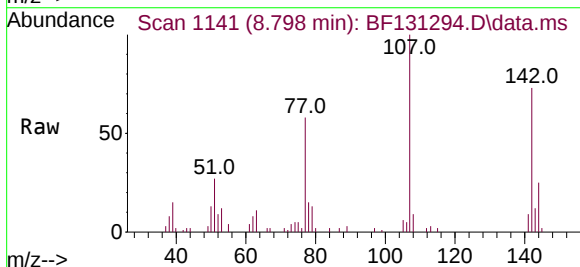
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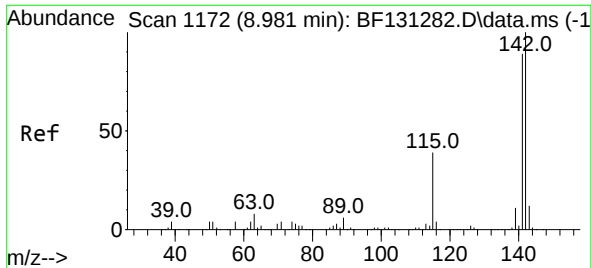
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#36
4-Chloro-3-methylphenol
Concen: 5.377 ng
RT: 8.798 min Scan# 1141
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:107 Resp: 23726
Ion Ratio Lower Upper
107 100
144 24.9 19.6 29.4
142 72.9 60.1 90.1





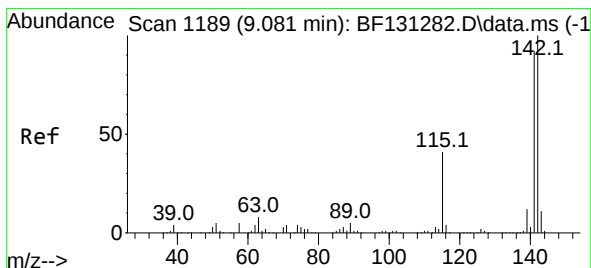
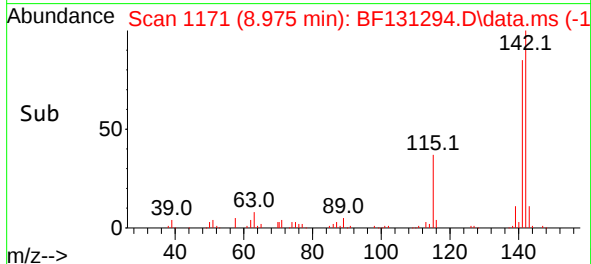
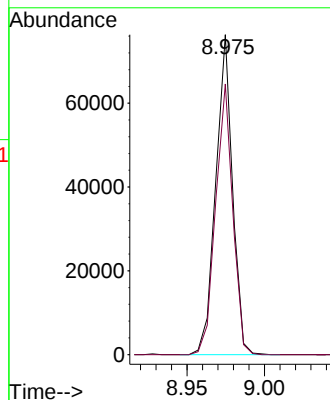
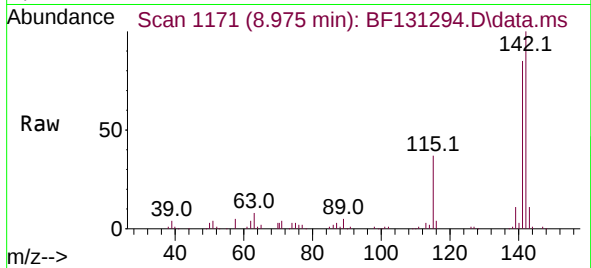
#37
2-Methylnaphthalene
Concen: 5.785 ng
RT: 8.975 min Scan# 1171
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

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

Tgt Ion:142 Resp: 57519
Ion Ratio Lower Upper
142 100
141 84.6 71.4 107.2

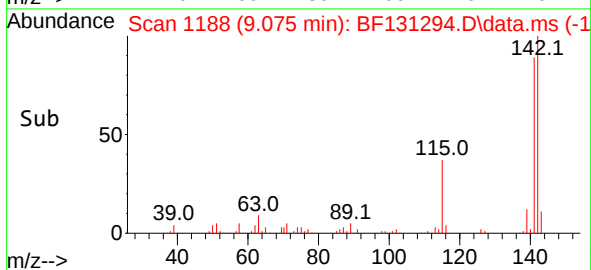
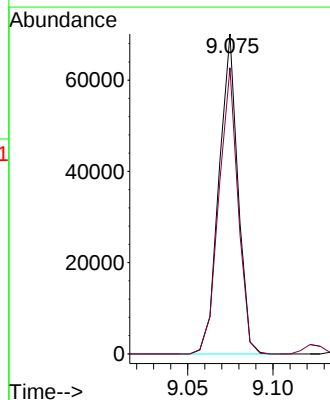
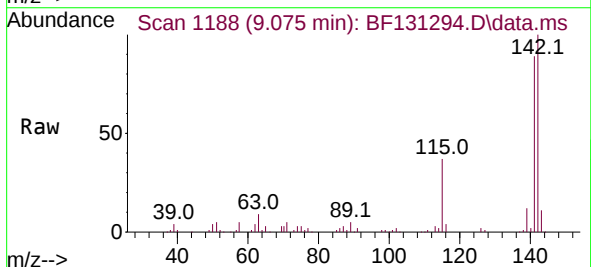
Manual Integrations
APPROVED

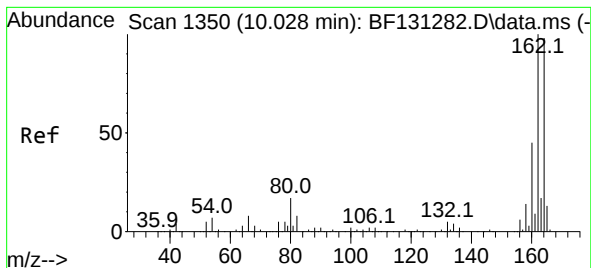
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#38
1-Methylnaphthalene
Concen: 5.603 ng
RT: 9.075 min Scan# 1188
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

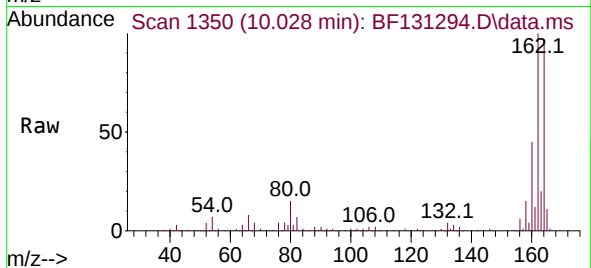
Tgt Ion:142 Resp: 53986
Ion Ratio Lower Upper
142 100
141 89.4 74.0 111.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.028 min Scan# 1199
Delta R.T. -0.000 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

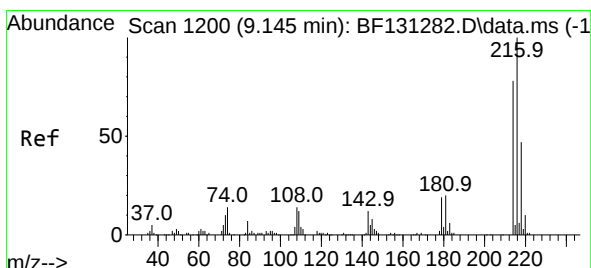
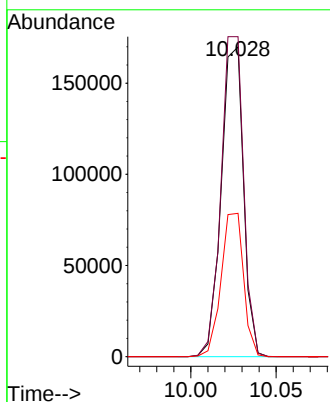
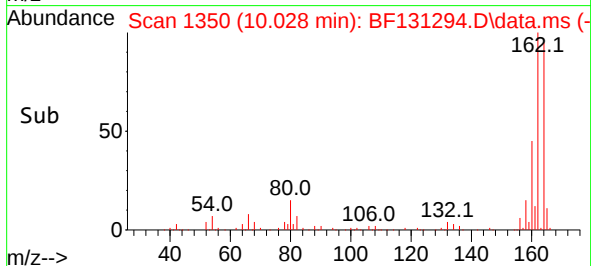
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2022



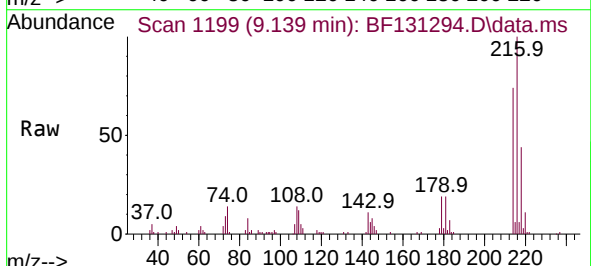
Tgt Ion:164 Resp: 154523
Ion Ratio Lower Upper
164 100
162 103.4 81.8 122.6
160 46.3 36.6 54.8

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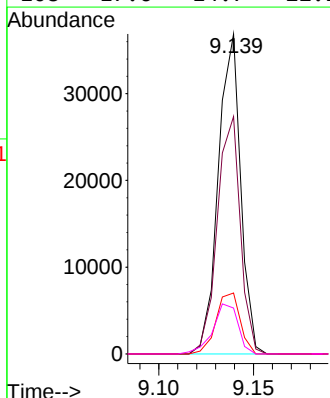
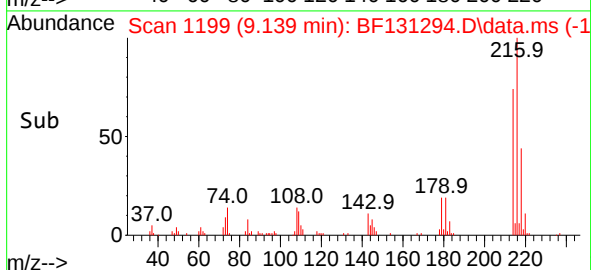
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

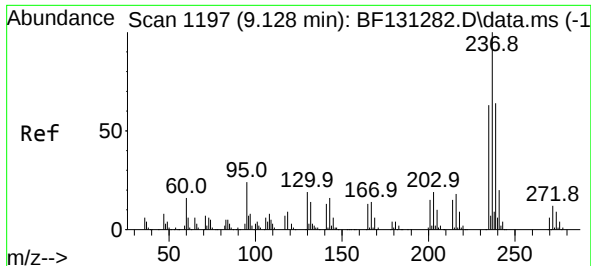


#40
1,2,4,5-Tetrachlorobenzene
Concen: 5.994 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40



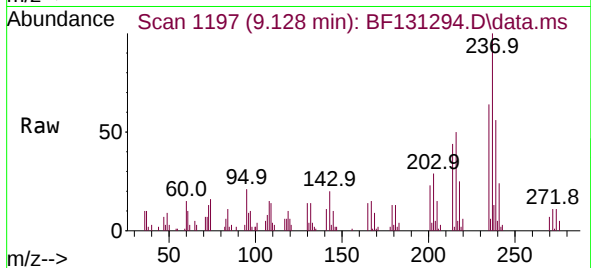
Tgt Ion:216 Resp: 30304
Ion Ratio Lower Upper
216 100
214 76.6 62.5 93.7
179 20.5 16.7 25.1
108 17.6 14.7 22.1





#41
Hexachlorocyclopentadiene
Concen: 5.502 ng
RT: 9.128 min Scan# 1197
Delta R.T. -0.000 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

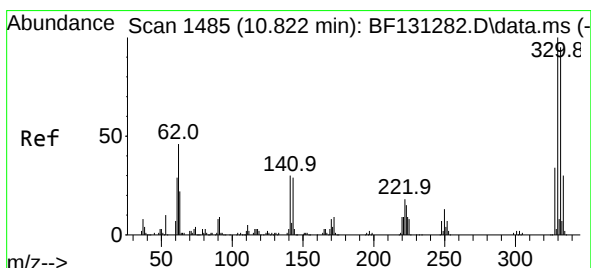
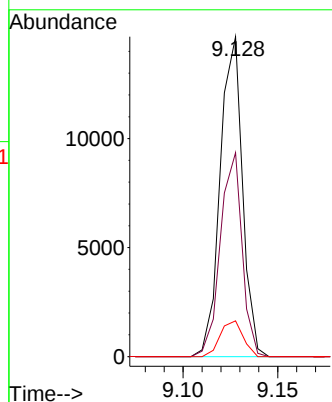
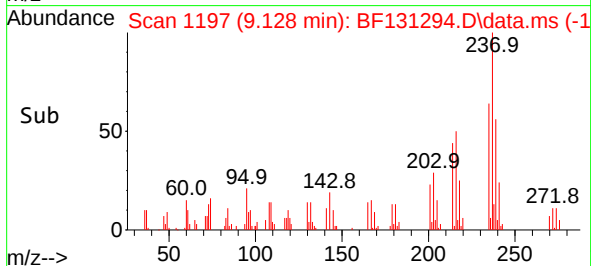
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



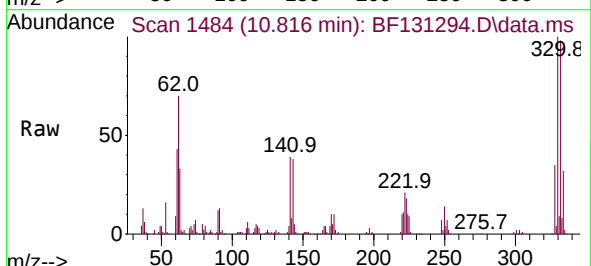
Tgt Ion:237 Resp: 12035
Ion Ratio Lower Upper
237 100
235 63.7 42.7 82.7
272 11.2 0.0 31.6

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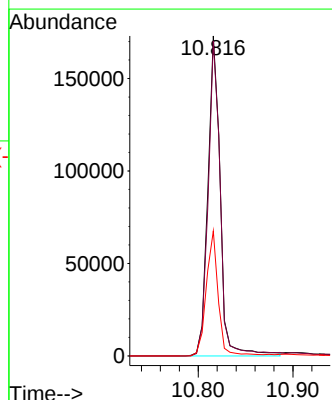
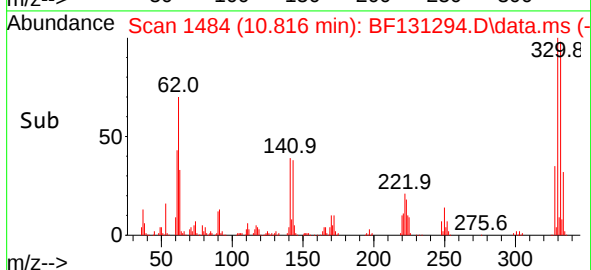
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

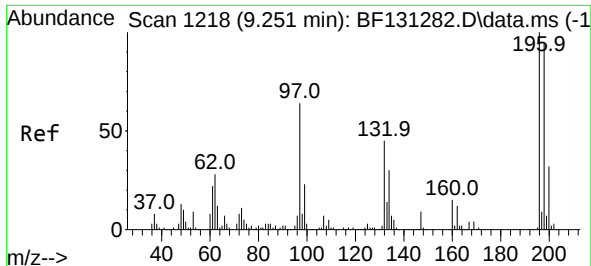


#42
2,4,6-Tribromophenol
Concen: 114.081 ng
RT: 10.816 min Scan# 1484
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40



Tgt Ion:330 Resp: 156926
Ion Ratio Lower Upper
330 100
332 97.4 75.4 113.0
141 37.8 30.0 45.0





#43

2,4,6-Trichlorophenol

Concen: 4.098 ng

RT: 9.245 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF131294.D

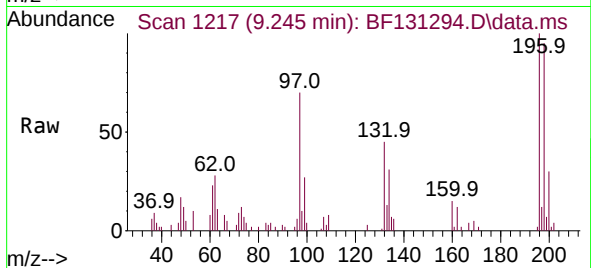
Acq: 18 Nov 2022 11:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022



Tgt Ion:196 Resp: 12319

Ion Ratio Lower Upper

196 100

198 94.7 74.8 112.2

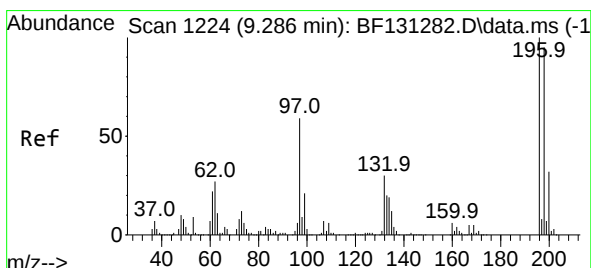
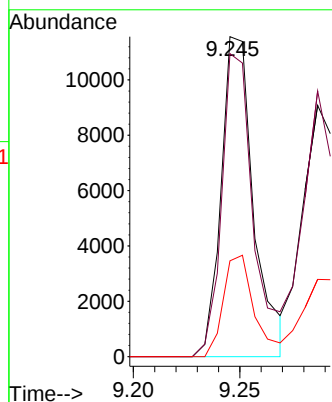
200 29.9 25.7 38.5

Manual Integrations

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Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#44

2,4,5-Trichlorophenol

Concen: 5.284 ng

RT: 9.287 min Scan# 1224

Delta R.T. 0.000 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

Tgt Ion:196 Resp: 17308

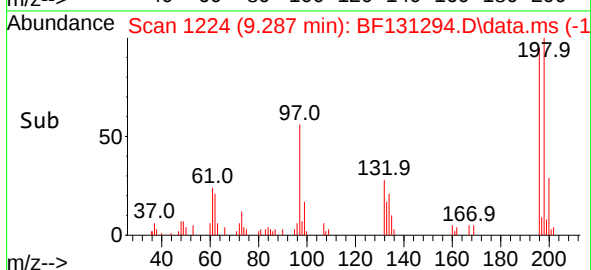
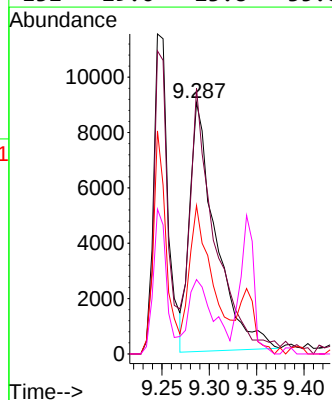
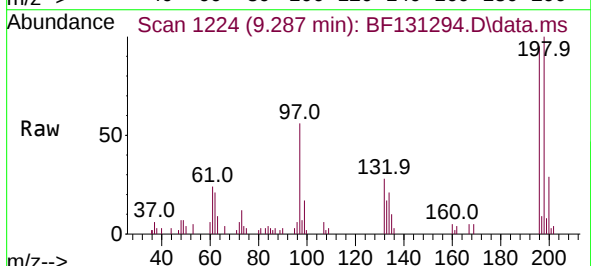
Ion Ratio Lower Upper

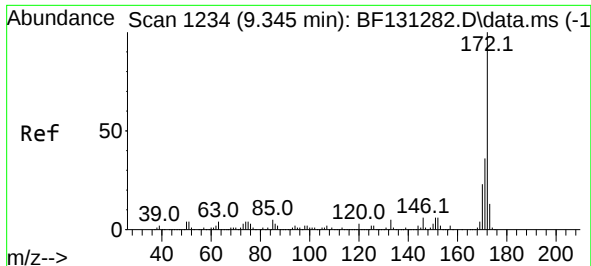
196 100

198 105.7 75.6 113.4

97 59.0 47.4 71.0

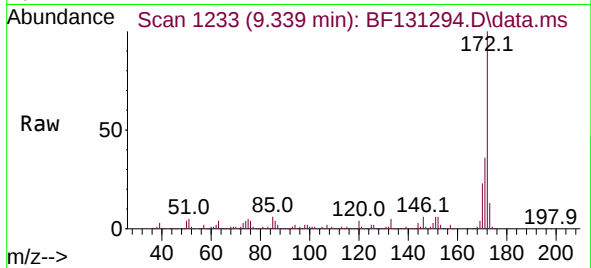
132 29.6 23.8 35.8





#45
2-Fluorobiphenyl
Concen: 83.196 ng
RT: 9.339 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

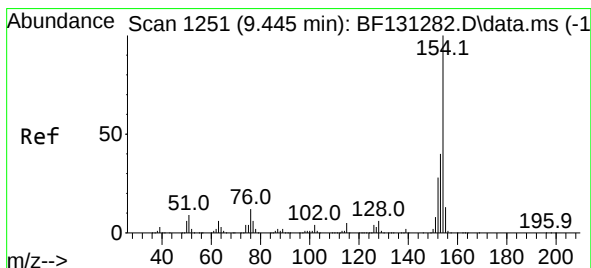
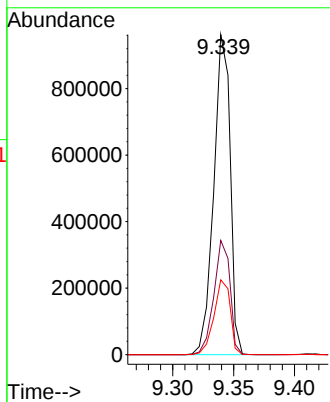
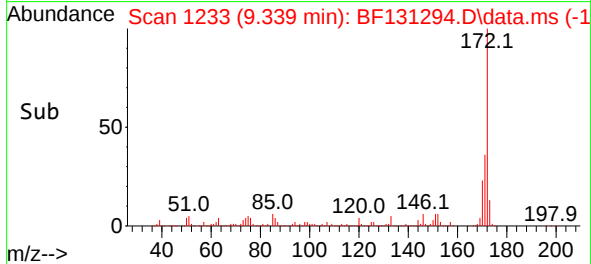
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:172 Resp: 900094
Ion Ratio Lower Upper
172 100
171 35.7 28.5 42.7
170 23.4 18.5 27.7

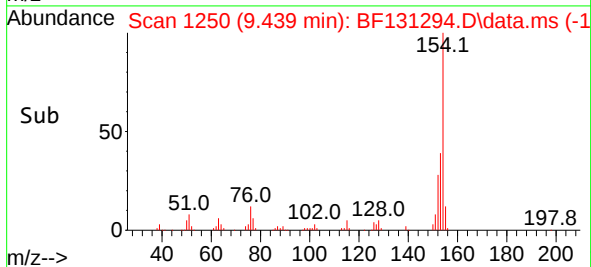
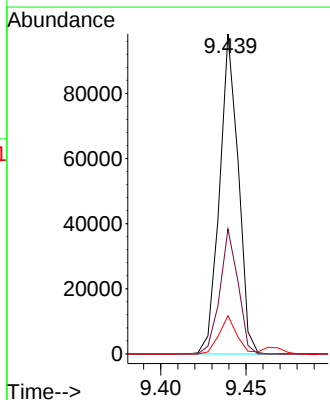
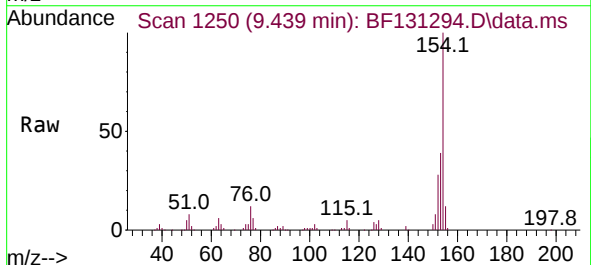
Manual Integrations
APPROVED

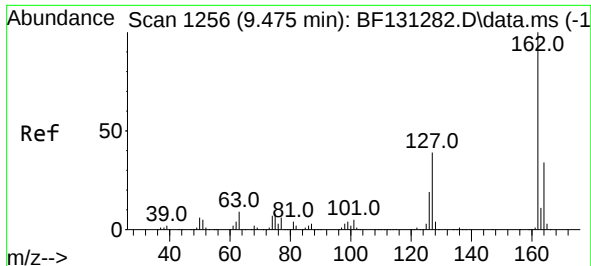
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#46
1,1'-Biphenyl
Concen: 6.263 ng
RT: 9.439 min Scan# 1250
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:154 Resp: 74728
Ion Ratio Lower Upper
154 100
153 39.0 20.1 60.1
76 11.9 0.0 31.8





#47

2-Chloronaphthalene

Concen: 5.918 ng

RT: 9.469 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

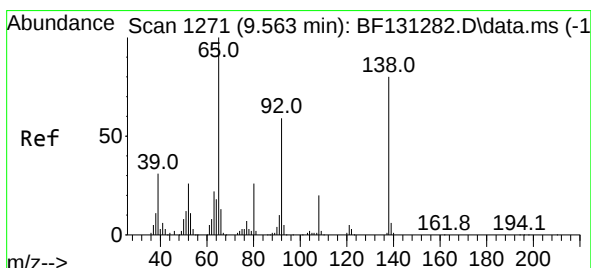
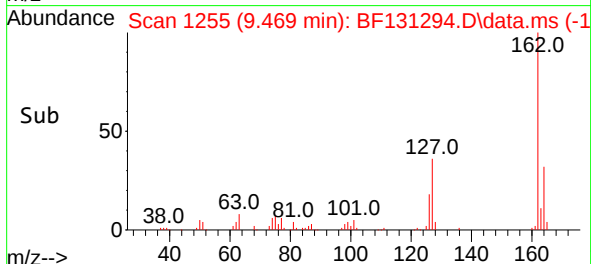
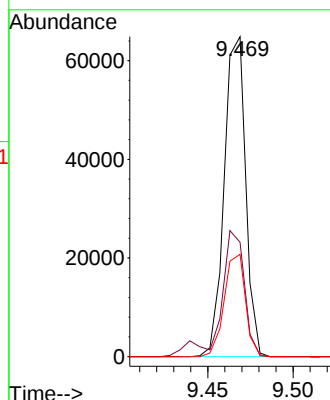
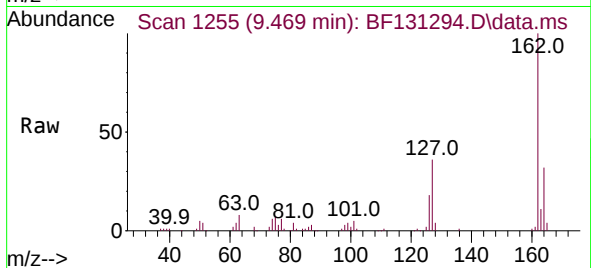
Tgt Ion:162	Resp:	5669
Ion Ratio	Lower	Upper
162	100	
127	35.7	31.1 46.7
164	32.0	26.9 40.3

Manual Integrations

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Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#48

2-Nitroaniline

Concen: 4.777 ng

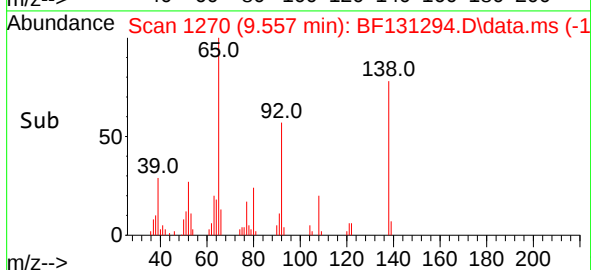
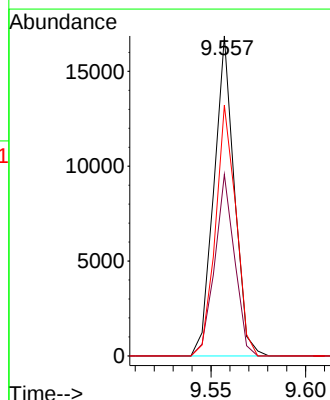
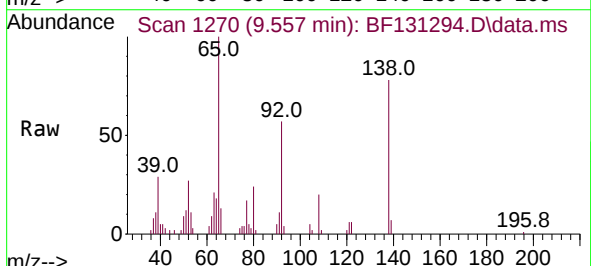
RT: 9.557 min Scan# 1270

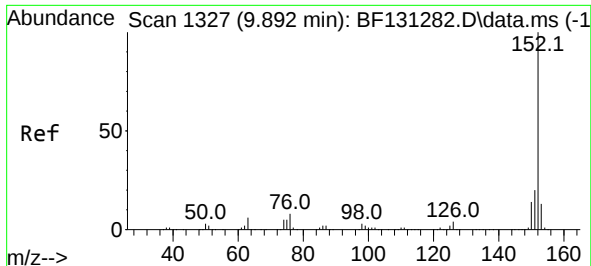
Delta R.T. -0.006 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

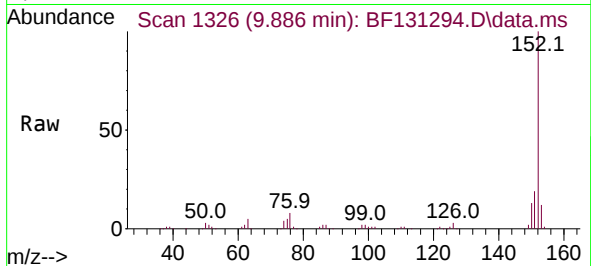
Tgt Ion: 65	Resp:	12651
Ion Ratio	Lower	Upper
65	100	
92	56.7	47.2 70.8
138	78.3	64.2 96.4





#49
Acenaphthylene
Concen: 5.831 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

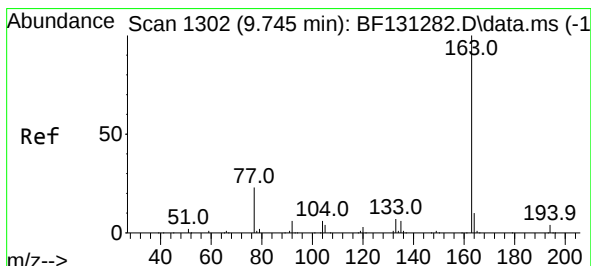
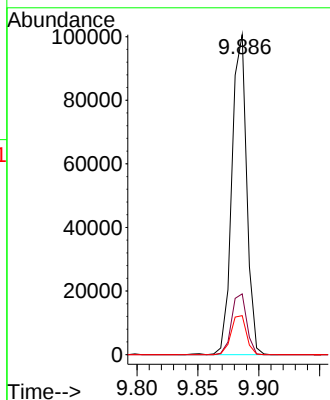
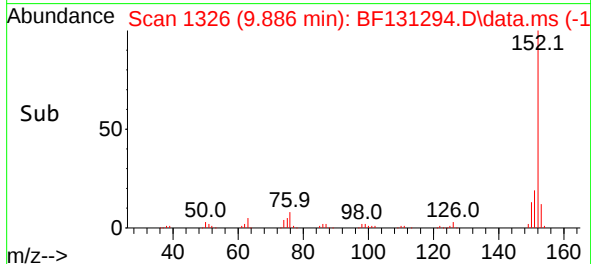
Instrument : BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



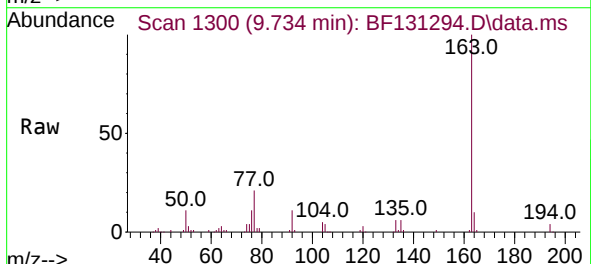
Tgt Ion:152 Resp: 85334
Ion Ratio Lower Upper
152 100
151 19.0 15.9 23.9
153 12.2 10.4 15.6

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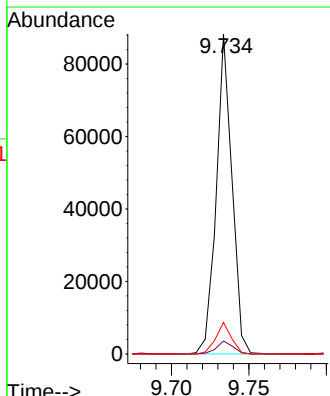
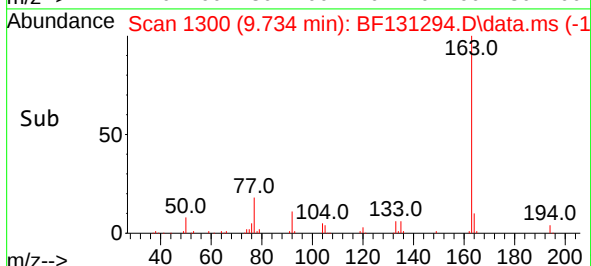
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

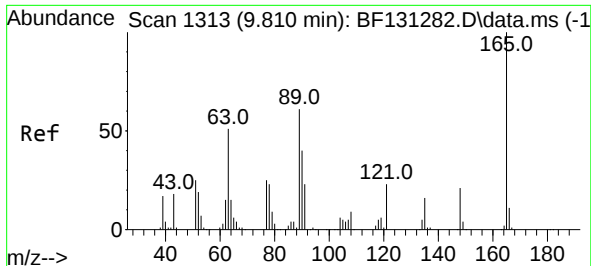


#50
Dimethylphthalate
Concen: 5.590 ng
RT: 9.734 min Scan# 1300
Delta R.T. -0.011 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40



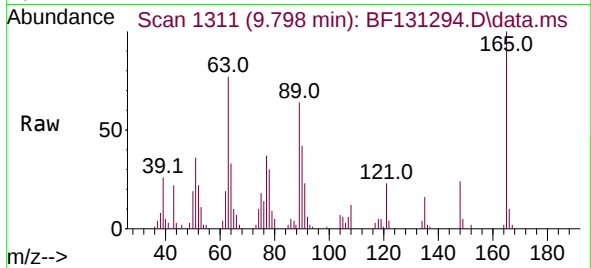
Tgt Ion:163 Resp: 62550
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 9.8 8.4 12.6





#51
2,6-Dinitrotoluene
Concen: 4.951 ng
RT: 9.798 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

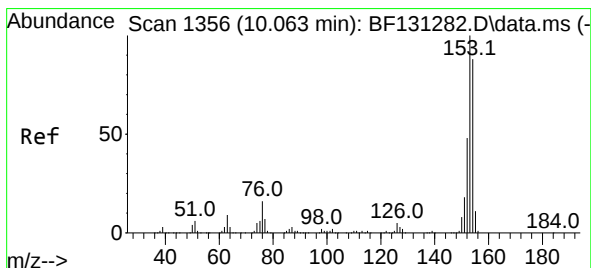
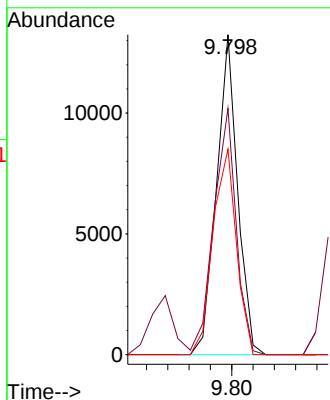
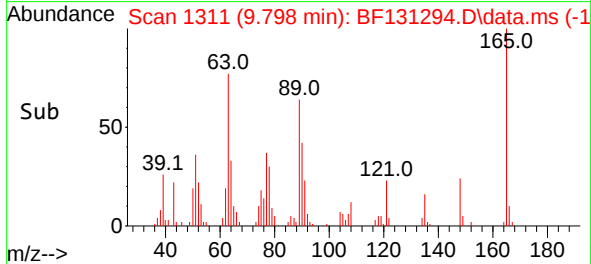
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:165 Resp: 9100
Ion Ratio Lower Upper
165 100
63 76.9 53.3 79.9
89 64.2 49.4 74.0

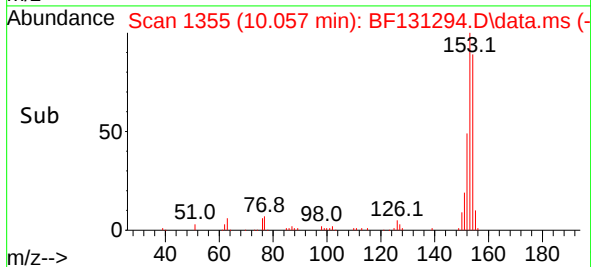
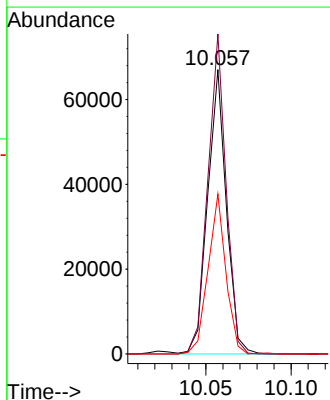
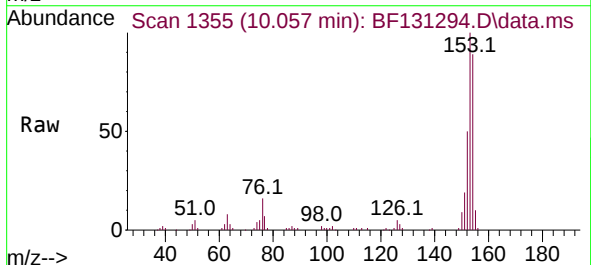
Manual Integrations
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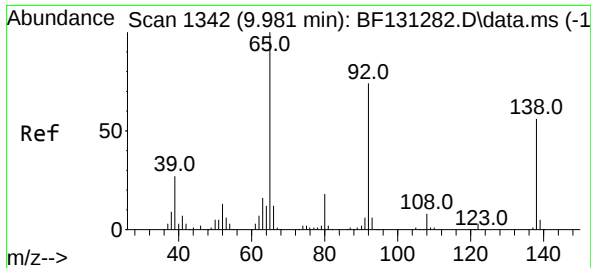
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#52
Acenaphthene
Concen: 5.611 ng
RT: 10.057 min Scan# 1355
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:154 Resp: 51235
Ion Ratio Lower Upper
154 100
153 112.6 90.7 136.1
152 56.3 43.1 64.7





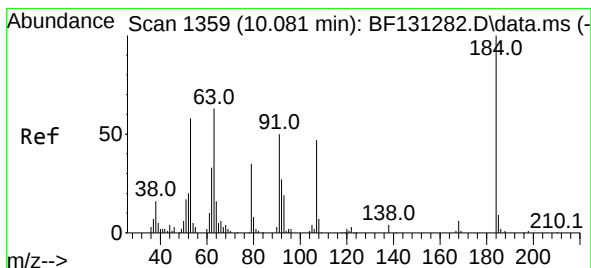
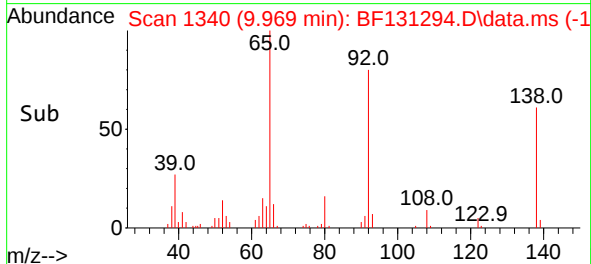
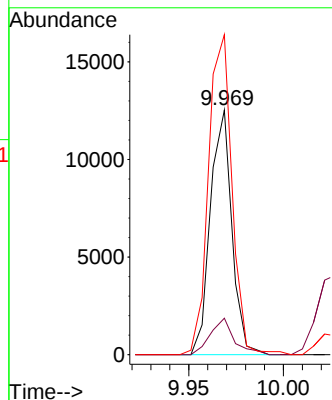
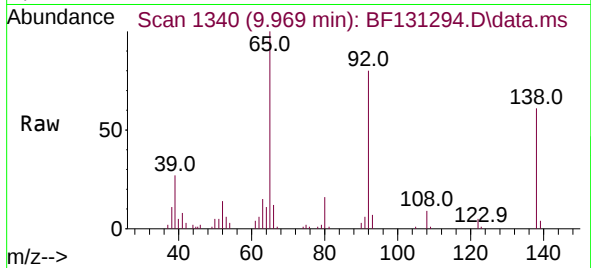
#53
3-Nitroaniline
Concen: 5.075 ng
RT: 9.969 min Scan# 1342
Delta R.T. -0.012 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

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

Tgt Ion:138 Resp: 987
Ion Ratio Lower Upper
138 100
108 14.9 11.1 16.7
92 130.8 105.4 158.2

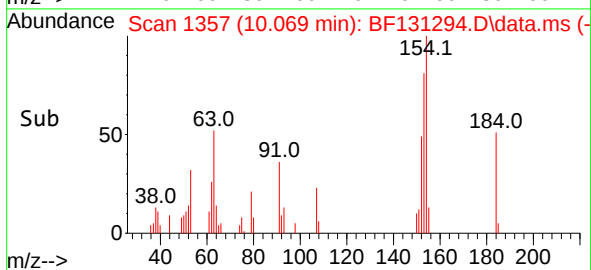
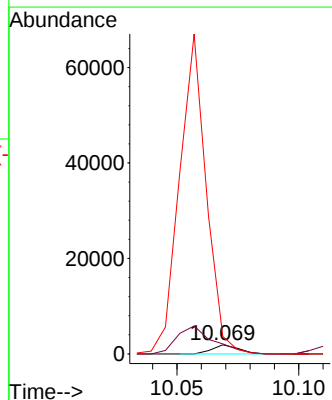
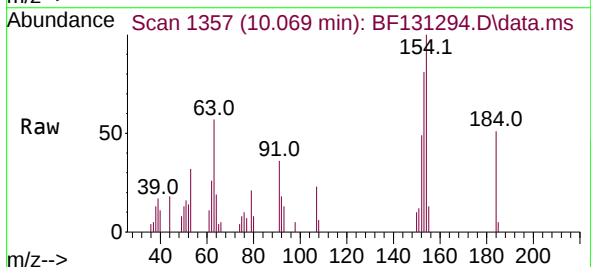
Manual Integrations
APPROVED

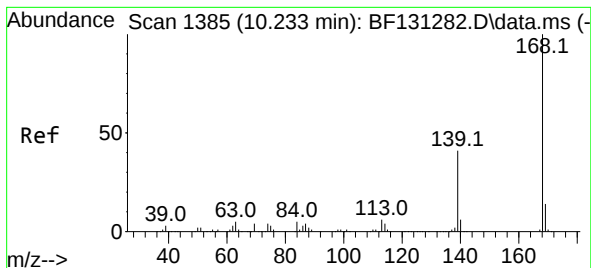
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#54
2,4-Dinitrophenol
Concen: 2.199 ng
RT: 10.069 min Scan# 1357
Delta R.T. -0.012 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:184 Resp: 1424
Ion Ratio Lower Upper
184 100
63 110.3 64.8 97.2#
154 194.3 58.0 87.0#





#55

Dibenzenofuran

Concen: 5.965 ng

RT: 10.228 min Scan# 1384

Delta R.T. -0.005 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

Instrument :

BNA_F

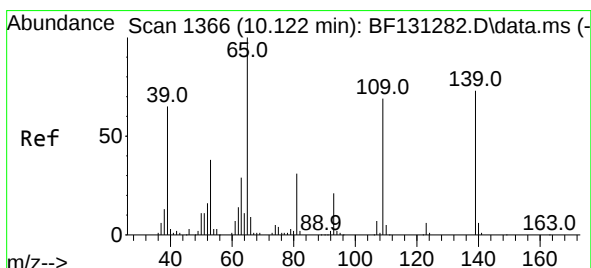
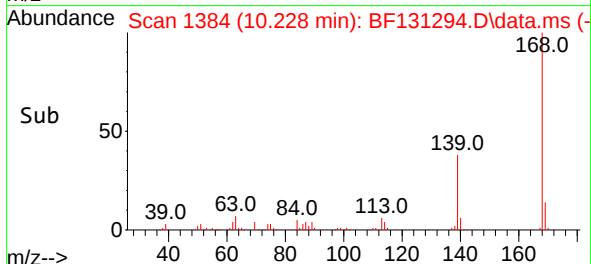
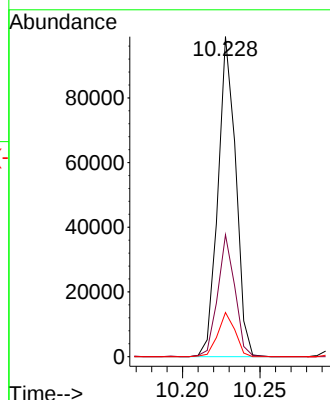
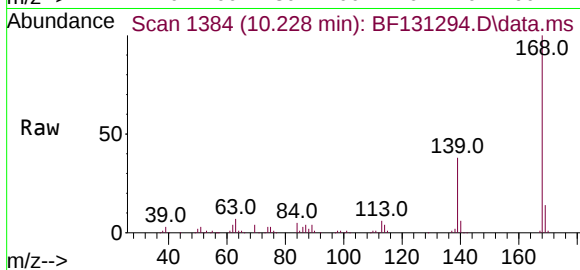
ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:168 Resp: 78985
 Ion Ratio Lower Upper
 168 100
 139 38.1 33.2 49.8
 169 13.8 11.0 16.4

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



#56

4-Nitrophenol

Concen: 3.541 ng

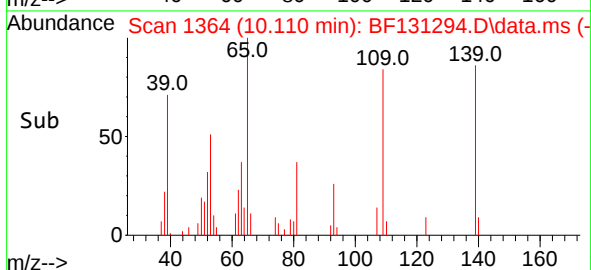
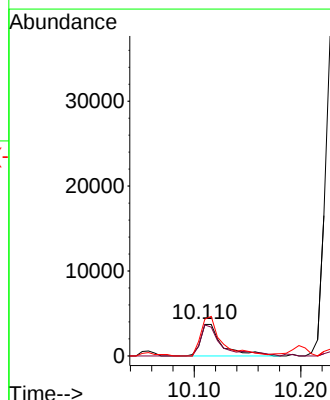
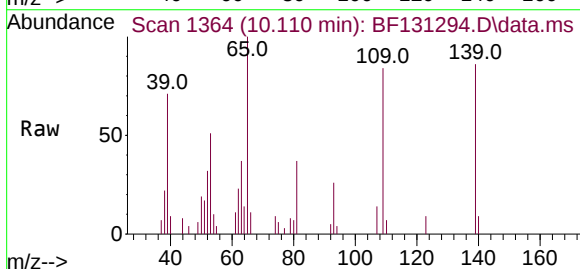
RT: 10.110 min Scan# 1364

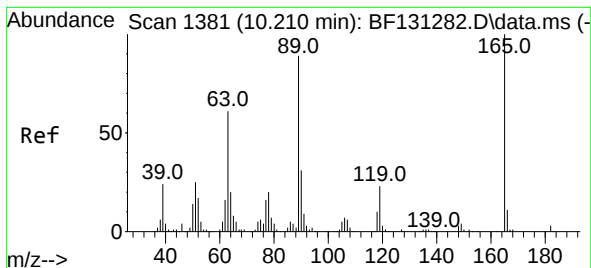
Delta R.T. -0.012 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

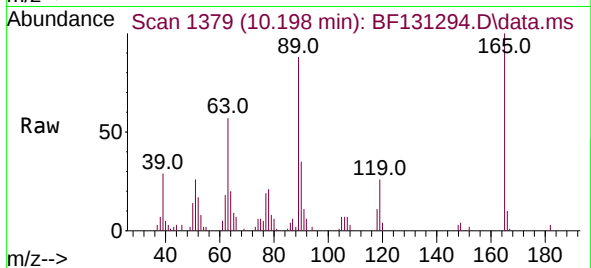
Tgt Ion:139 Resp: 5183
 Ion Ratio Lower Upper
 139 100
 109 98.4 74.2 114.2
 65 116.7 116.8 156.8#





#57
2,4-Dinitrotoluene
Concen: 4.646 ng
RT: 10.198 min Scan# 1381
Delta R.T. -0.012 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

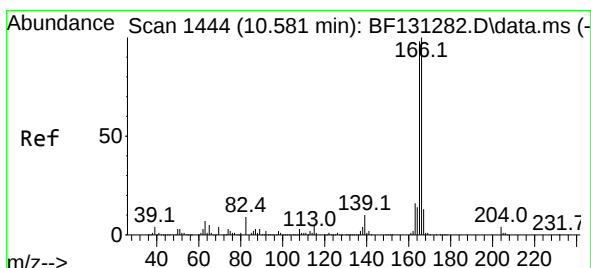
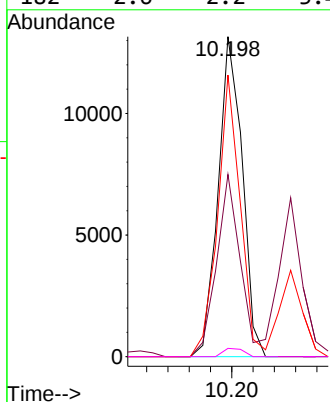
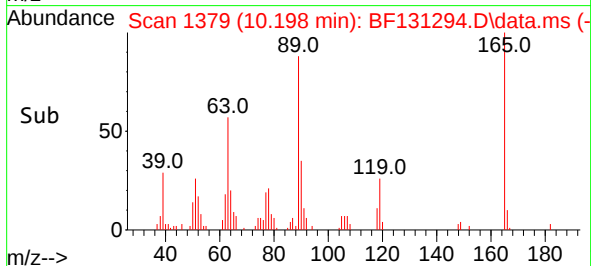
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:165 Resp: 10325
Ion Ratio Lower Upper
165 100
63 56.9 49.0 73.6
89 88.0 71.1 106.7
182 2.6 2.2 3.4

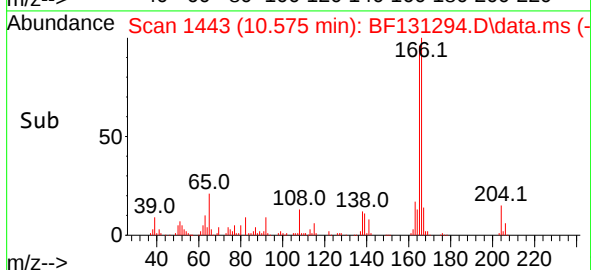
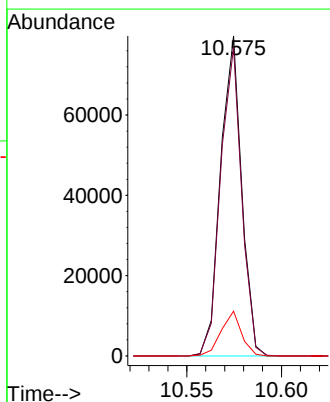
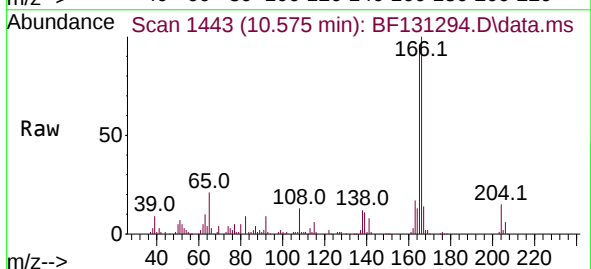
Manual Integrations
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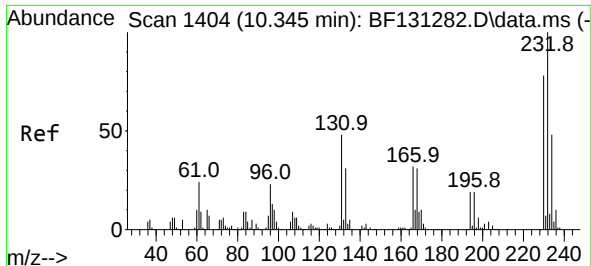
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#58
Fluorene
Concen: 5.876 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

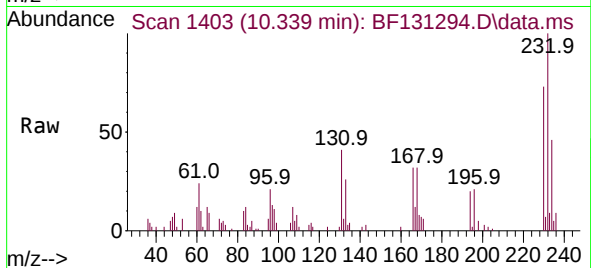
Tgt Ion:166 Resp: 61784
Ion Ratio Lower Upper
166 100
165 96.5 78.2 117.2
167 14.0 10.6 15.8





#59
2,3,4,6-Tetrachlorophenol
Concen: 4.436 ng
RT: 10.339 min Scan# 1403
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

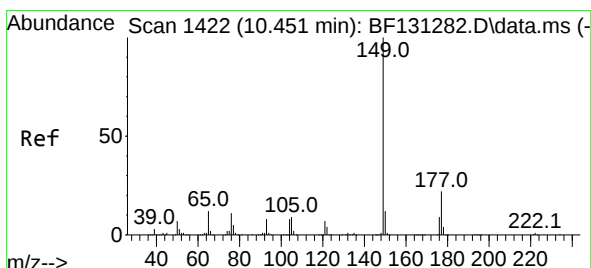
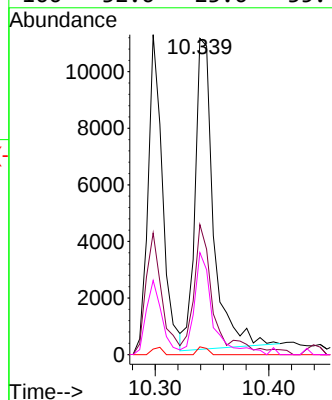
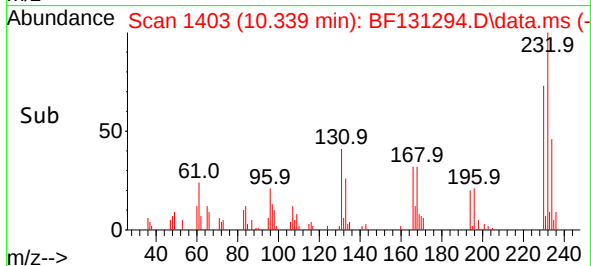
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



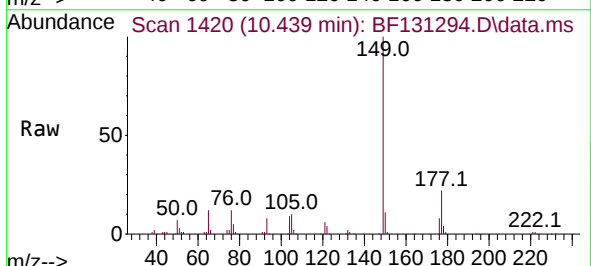
Tgt Ion:232 Resp: 12306
Ion Ratio Lower Upper
232 100
131 45.5 36.0 54.0
130 1.4 1.8 2.6
166 32.6 23.6 35.4

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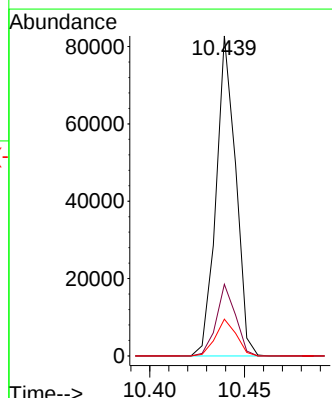
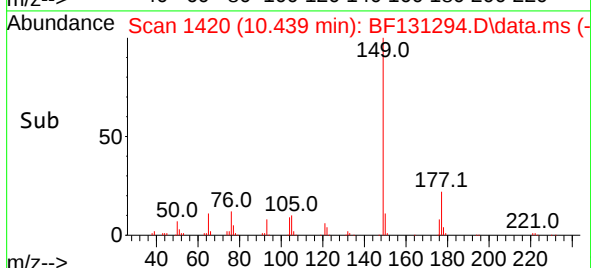
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

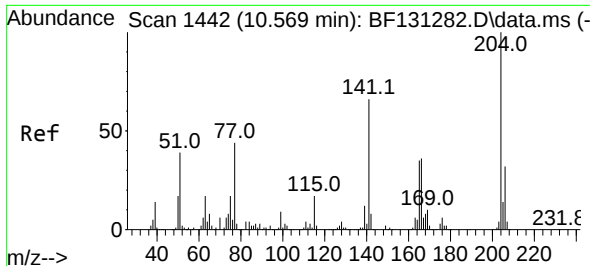


#60
Diethylphthalate
Concen: 5.569 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.012 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40



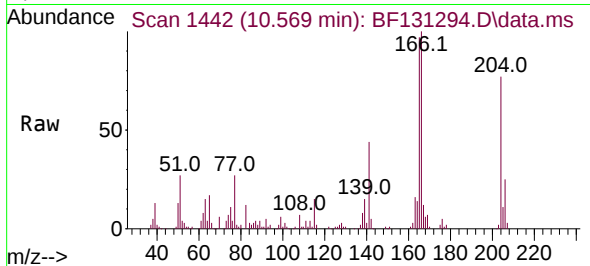
Tgt Ion:149 Resp: 59447
Ion Ratio Lower Upper
149 100
177 22.4 17.9 26.9
150 11.5 9.8 14.6





#61
4-Chlorophenyl-phenylether
Concen: 6.021 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.000 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

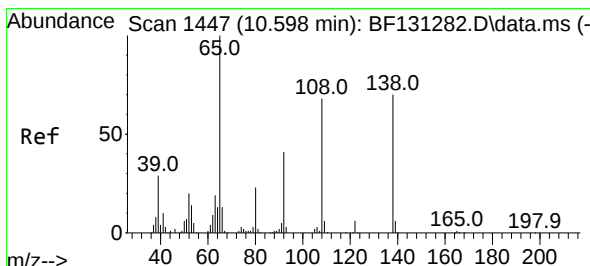
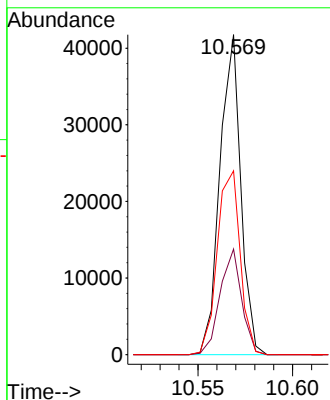
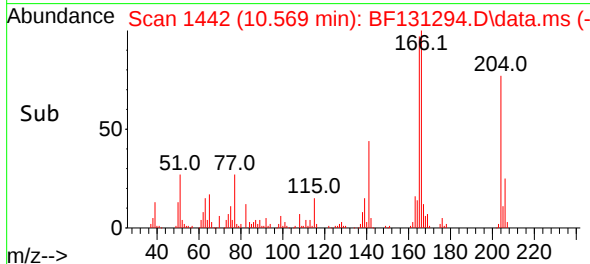
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:204 Resp: 32098
Ion Ratio Lower Upper
204 100
206 33.0 25.7 38.5
141 57.4 53.1 79.7

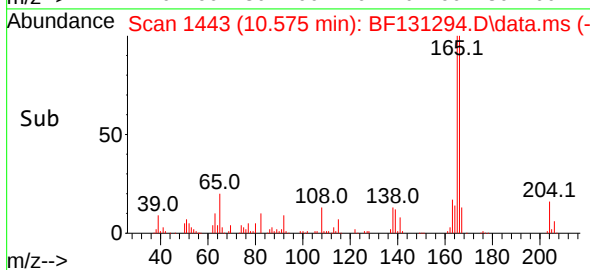
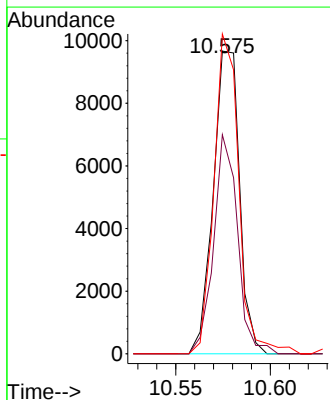
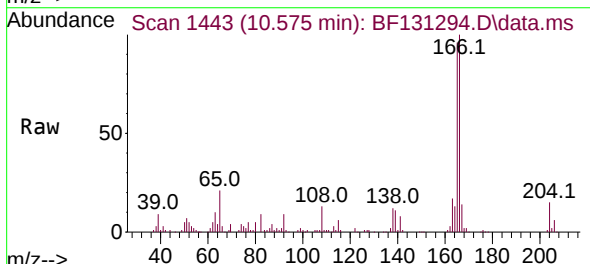
Manual Integrations
APPROVED

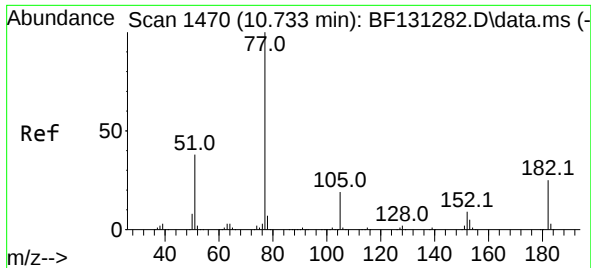
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#62
4-Nitroaniline
Concen: 4.720 ng
RT: 10.575 min Scan# 1443
Delta R.T. -0.023 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

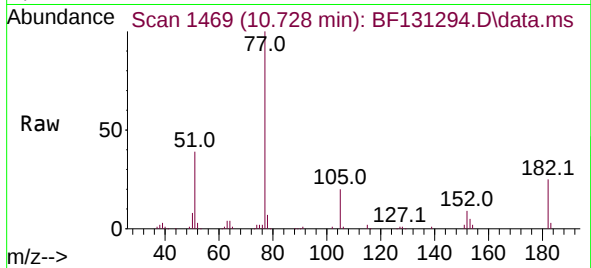
Tgt Ion:138 Resp: 9328
Ion Ratio Lower Upper
138 100
92 72.4 37.5 77.5
108 105.7 76.3 116.3





#63
Azobenzene
Concen: 5.522 ng
RT: 10.728 min Scan# 1470
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

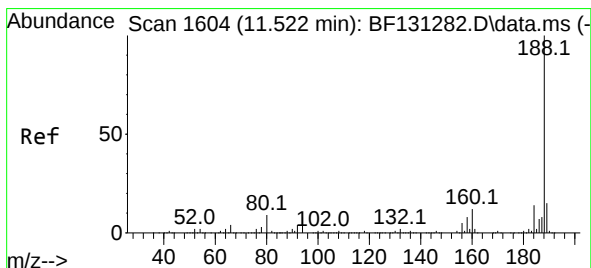
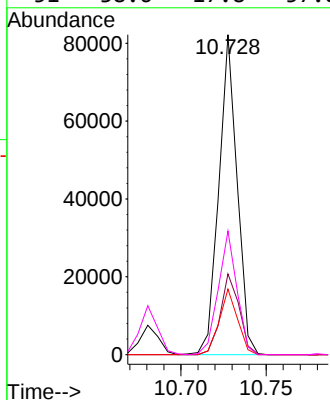
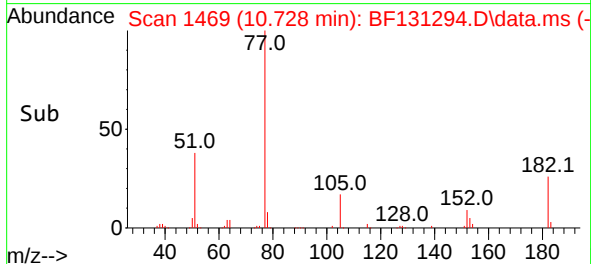
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



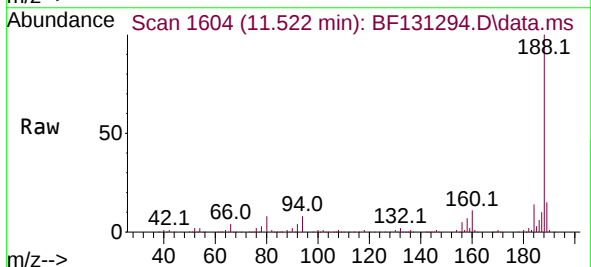
Tgt Ion: 77 Resp: 61223
Ion Ratio Lower Upper
77 100
182 25.3 5.0 45.0
105 20.5 0.0 39.5
51 38.6 17.8 57.8

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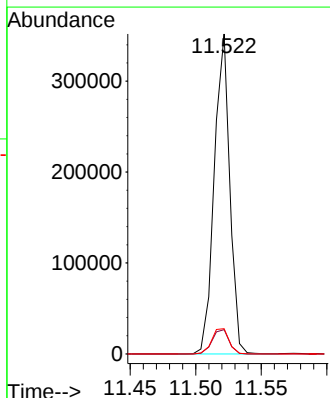
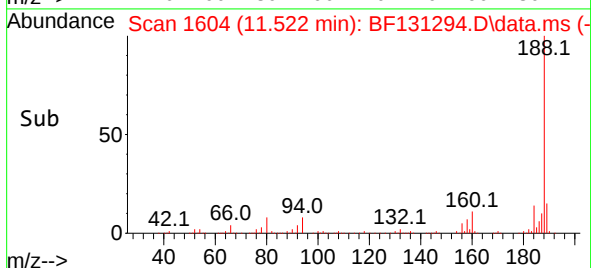
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

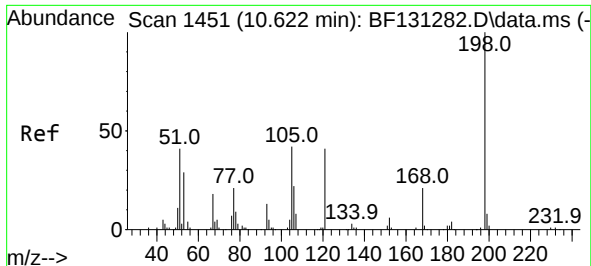


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.522 min Scan# 1604
Delta R.T. -0.000 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40



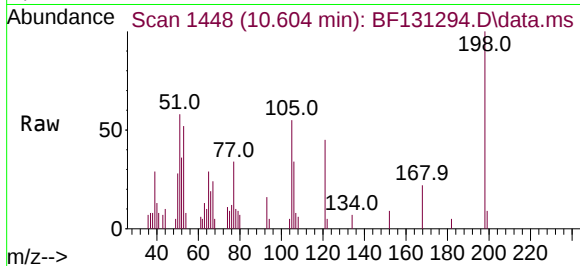
Tgt Ion:188 Resp: 290237
Ion Ratio Lower Upper
188 100
94 7.6 6.5 9.7
80 7.9 7.2 10.8





#65
4,6-Dinitro-2-methylphenol
Concen: 2.694 ng
RT: 10.604 min Scan# 1448
Delta R.T. -0.018 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

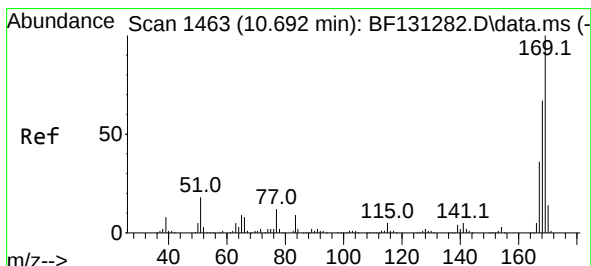
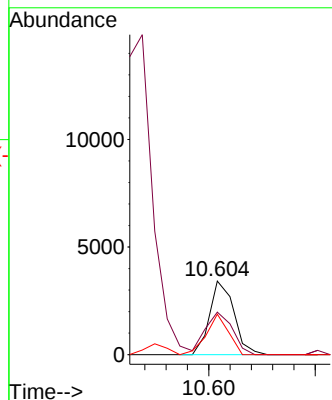
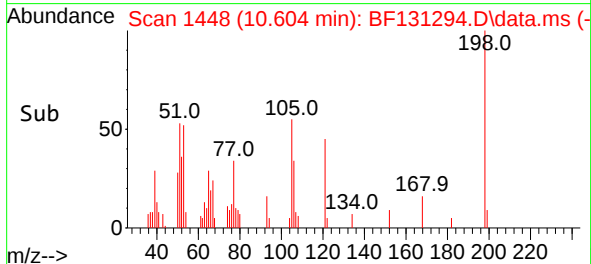
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



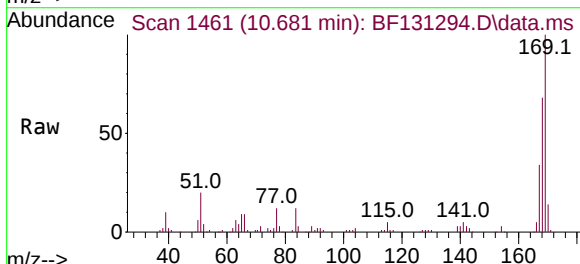
Tgt Ion:198 Resp: 2711
Ion Ratio Lower Upper
198 100
51 57.7 35.7 75.7
105 54.9 23.3 63.3

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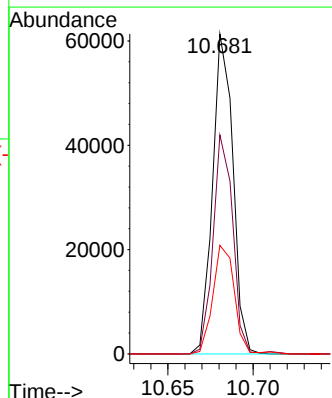
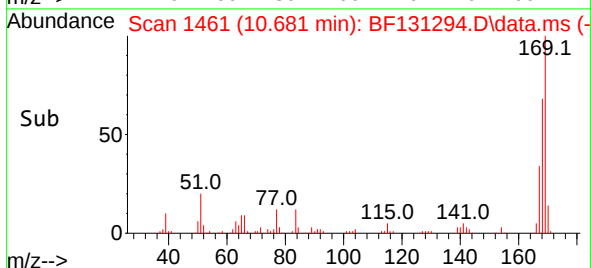
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

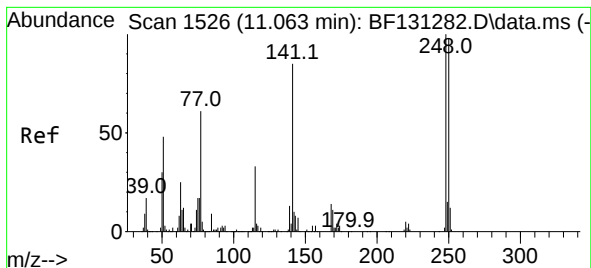


#66
n-Nitrosodiphenylamine
Concen: 5.447 ng
RT: 10.681 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40



Tgt Ion:169 Resp: 50945
Ion Ratio Lower Upper
169 100
168 68.4 53.8 80.6
167 33.9 28.9 43.3





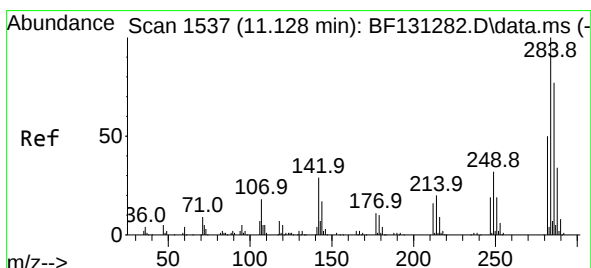
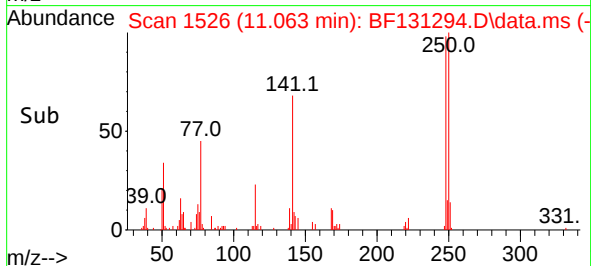
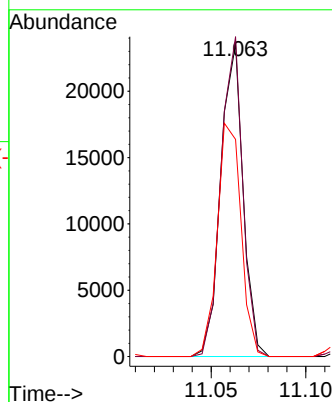
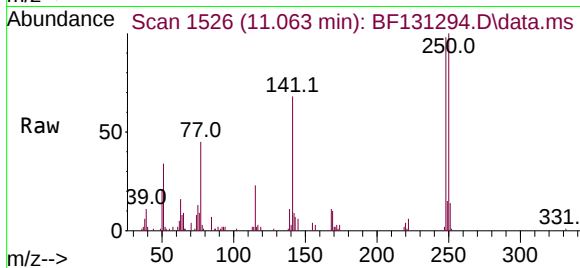
#67
4-Bromophenyl-phenylether
Concen: 5.551 ng
RT: 11.063 min Scan# 1526
Delta R.T. 0.000 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

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

Tgt Ion:248 Resp: 1933
Ion Ratio Lower Upper
248 100
250 102.3 78.3 117.5
141 69.4 67.6 101.4

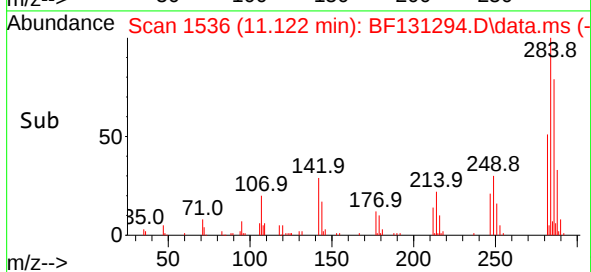
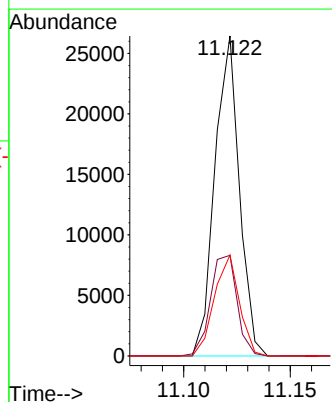
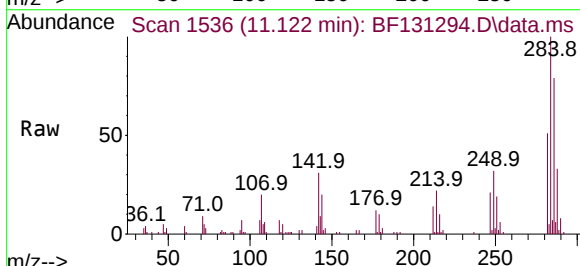
Manual Integrations
APPROVED

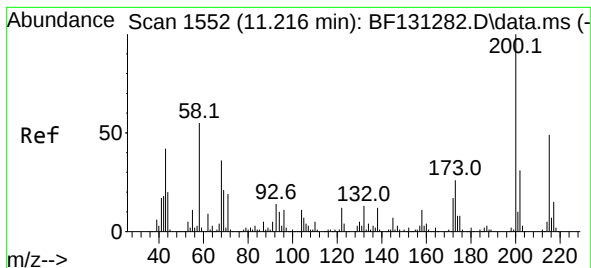
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#68
Hexachlorobenzene
Concen: 5.579 ng
RT: 11.122 min Scan# 1536
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

Tgt Ion:284 Resp: 21079
Ion Ratio Lower Upper
284 100
142 31.4 23.4 35.2
249 31.5 25.7 38.5





#69

Atrazine

Concen: 5.971 ng

RT: 11.204 min Scan# 1550

Delta R.T. -0.012 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

Instrument :

BNA_F

ClientSampleId :

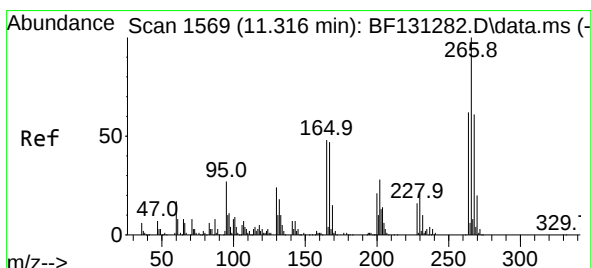
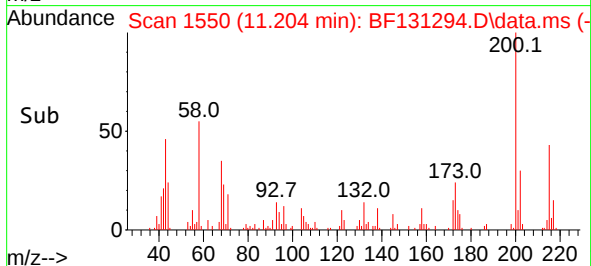
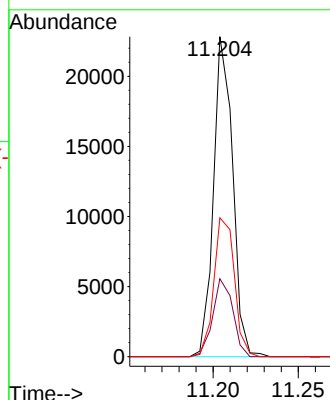
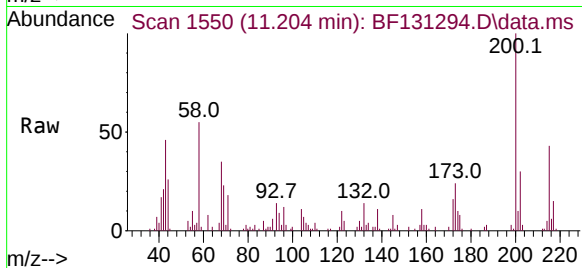
LOQ-SOIL-02-QT4-2022

Tgt Ion:200 Resp: 1781
 Ion Ratio Lower Upper
 200 100
 173 24.3 6.0 46.0
 215 43.4 29.0 69.0

Manual Integrations

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



#70

Pentachlorophenol

Concen: 2.974 ng m

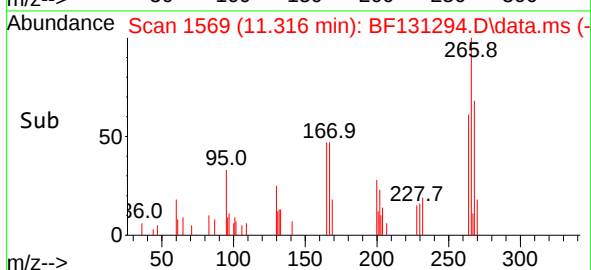
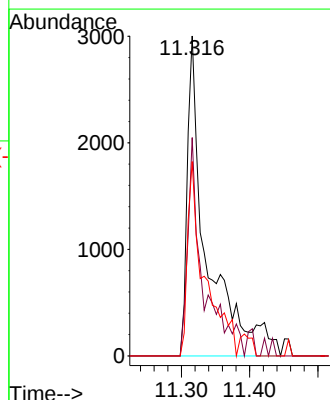
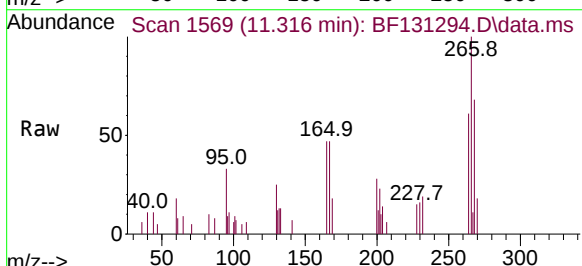
RT: 11.316 min Scan# 1569

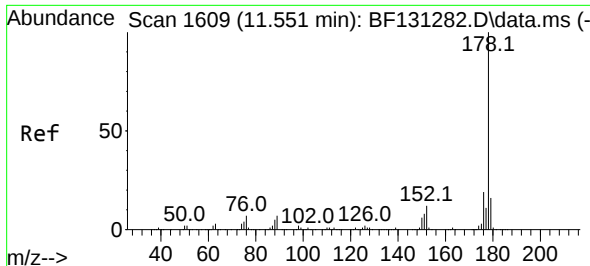
Delta R.T. -0.000 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

Tgt Ion:266 Resp: 6004
 Ion Ratio Lower Upper
 266 100
 268 68.2 49.0 73.4
 264 60.8 49.7 74.5





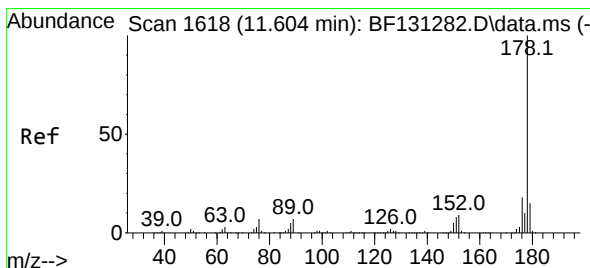
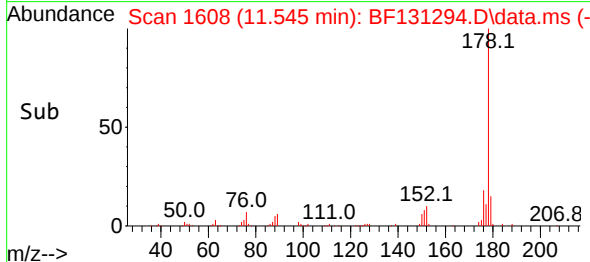
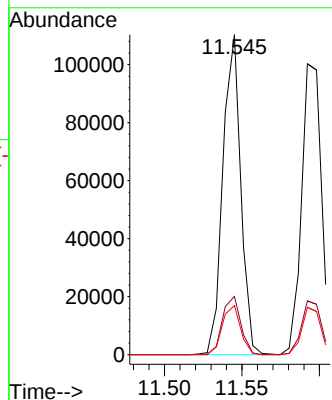
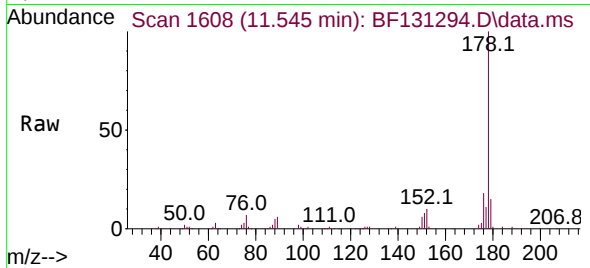
#71
Phenanthrene
Concen: 5.536 ng
RT: 11.545 min Scan# 1610
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

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

Tgt Ion:178 Resp: 88845
Ion Ratio Lower Upper
178 100
176 18.2 15.5 23.3
179 15.3 12.4 18.6

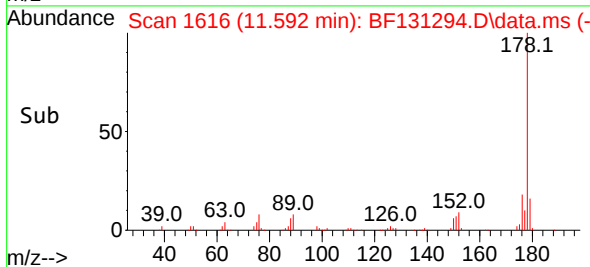
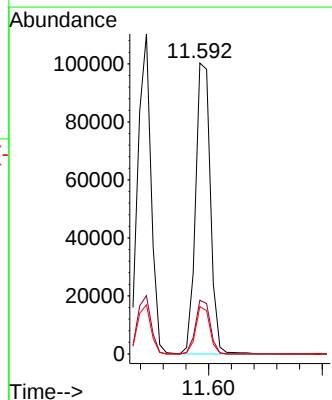
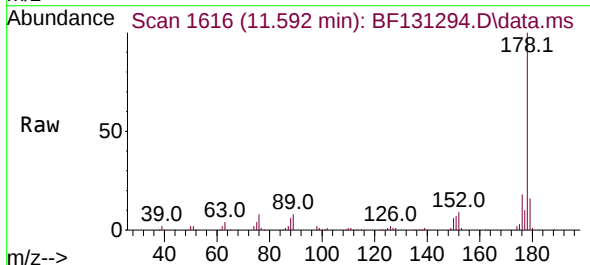
Manual Integrations
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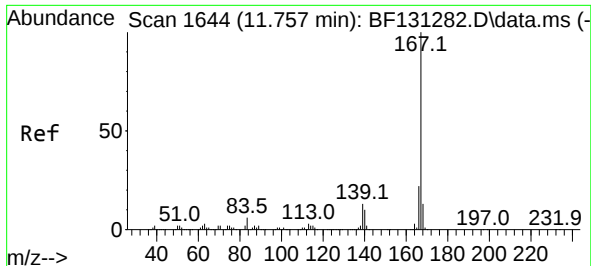
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#72
Anthracene
Concen: 5.776 ng
RT: 11.592 min Scan# 1616
Delta R.T. -0.012 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

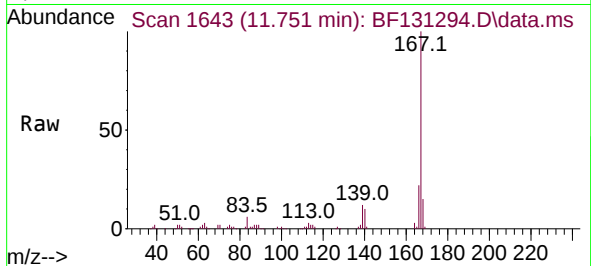
Tgt Ion:178 Resp: 90651
Ion Ratio Lower Upper
178 100
176 18.5 14.6 22.0
179 16.3 12.0 18.0





#73
 Carbazole
 Concen: 5.698 ng
 RT: 11.751 min Scan# 1643
 Delta R.T. -0.006 min
 Lab File: BF131294.D
 Acq: 18 Nov 2022 11:40

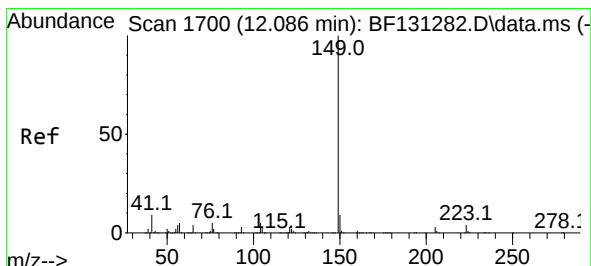
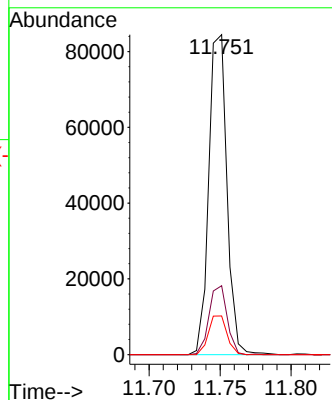
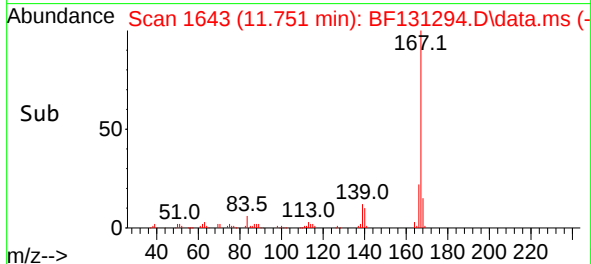
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022



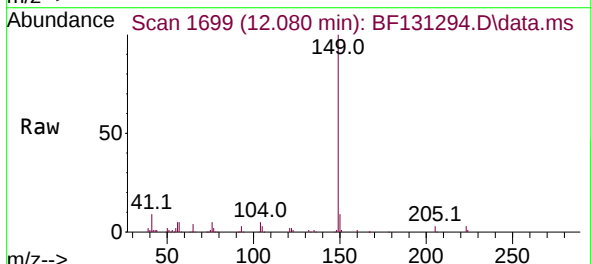
Tgt Ion:167 Resp: 75170
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.4 26.2
 139 12.1 10.2 15.4

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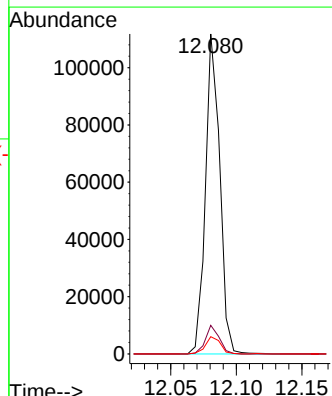
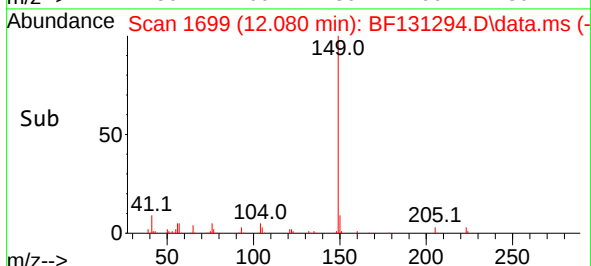
Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022

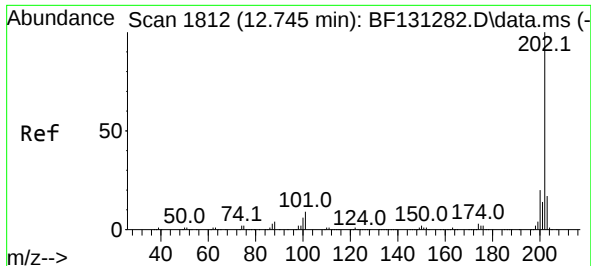


#74
 Di-n-butylphthalate
 Concen: 5.309 ng
 RT: 12.080 min Scan# 1699
 Delta R.T. -0.006 min
 Lab File: BF131294.D
 Acq: 18 Nov 2022 11:40



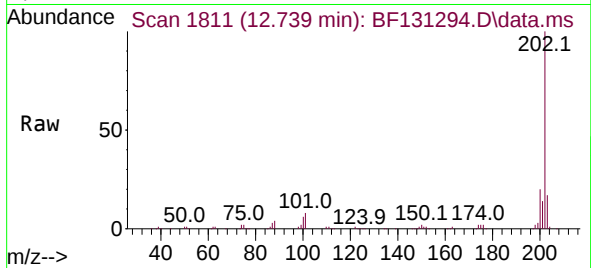
Tgt Ion:149 Resp: 84571
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.1 10.7
 104 5.4 4.3 6.5





#75
Fluoranthene
Concen: 5.686 ng
RT: 12.739 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

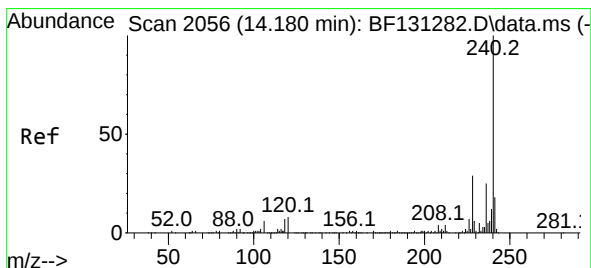
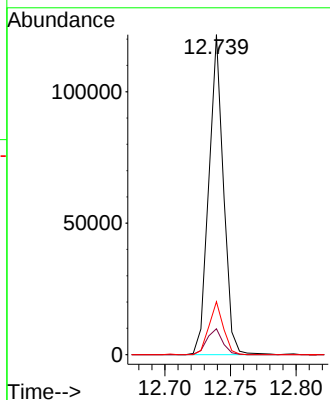
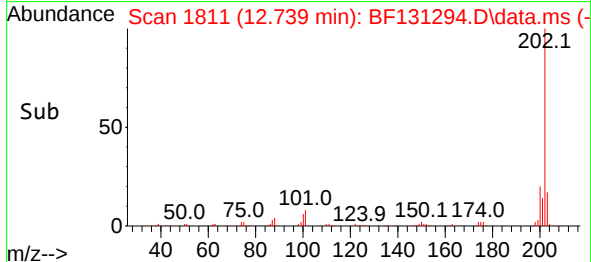
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



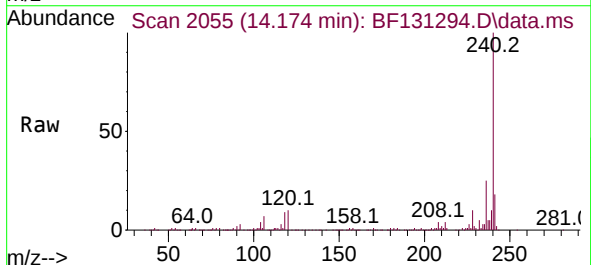
Tgt Ion:202 Resp: 94695
Ion Ratio Lower Upper
202 100
101 8.1 0.0 28.5
203 16.5 0.0 37.3

Manual Integrations
APPROVED

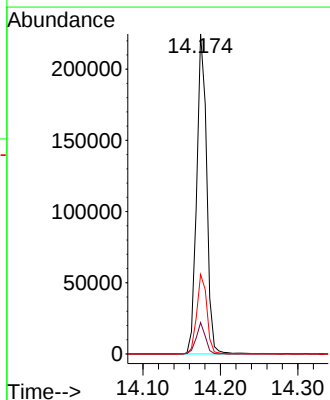
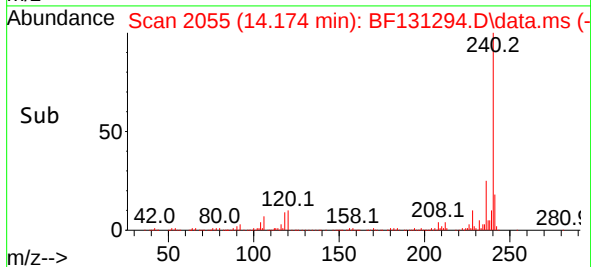
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

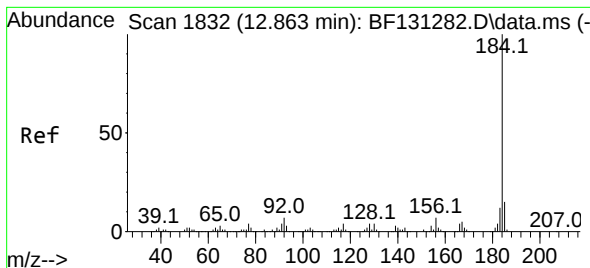


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.174 min Scan# 2055
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40



Tgt Ion:240 Resp: 200929
Ion Ratio Lower Upper
240 100
120 9.8 6.2 9.2#
236 24.8 19.8 29.6





#77

Benzidine

Concen: 7.519 ng

RT: 12.863 min Scan# 1832

Delta R.T. 0.000 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

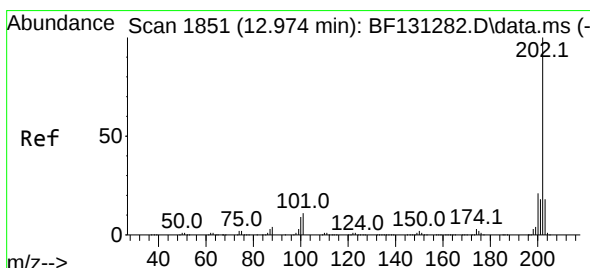
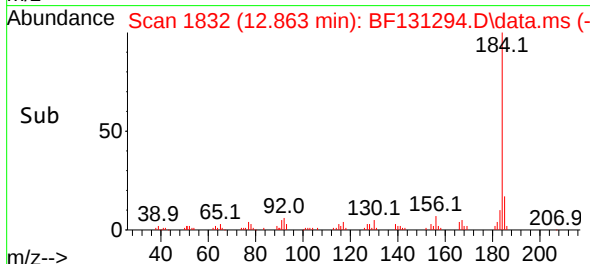
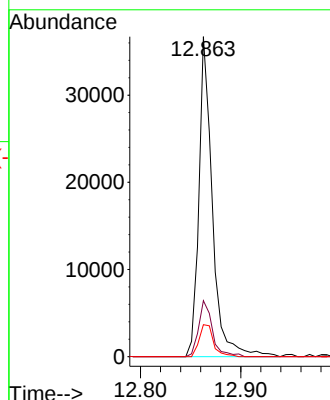
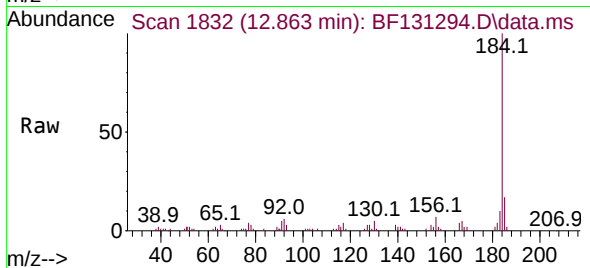
Tgt Ion:184	Resp:	34170
Ion Ratio	Lower	Upper
184	100	
185	17.5	12.3 18.5
183	10.0	9.3 13.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#78

Pyrene

Concen: 4.870 ng

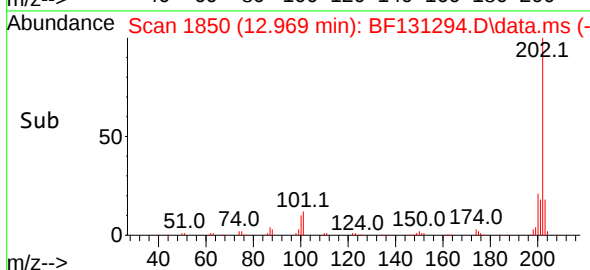
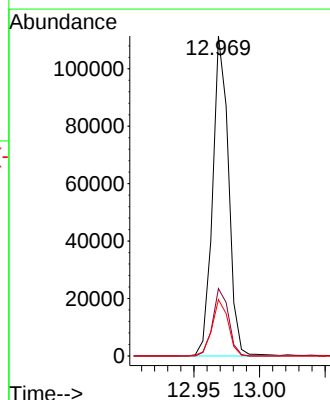
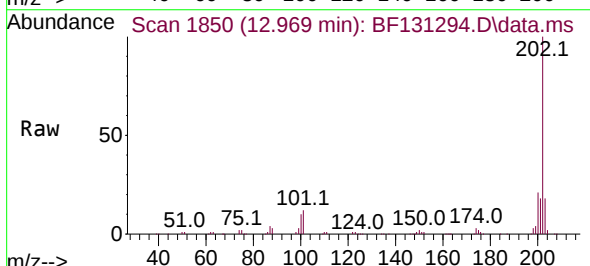
RT: 12.969 min Scan# 1850

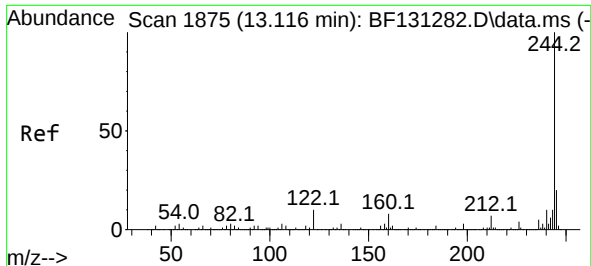
Delta R.T. -0.006 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

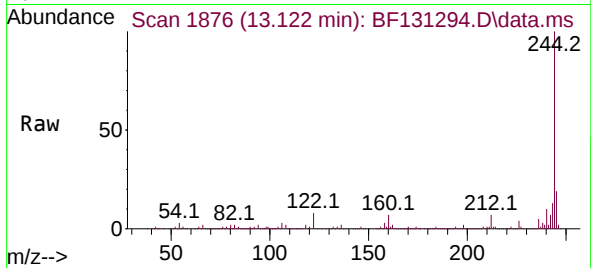
Tgt Ion:202	Resp:	94150
Ion Ratio	Lower	Upper
202	100	
200	21.0	17.2 25.8
203	17.6	14.3 21.5





#79
 Terphenyl-d14
 Concen: 74.130 ng
 RT: 13.122 min Scan# 1875
 Delta R.T. 0.006 min
 Lab File: BF131294.D
 Acq: 18 Nov 2022 11:40

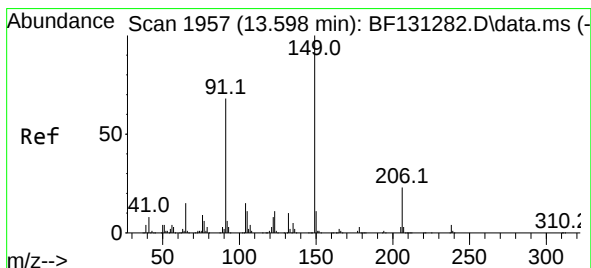
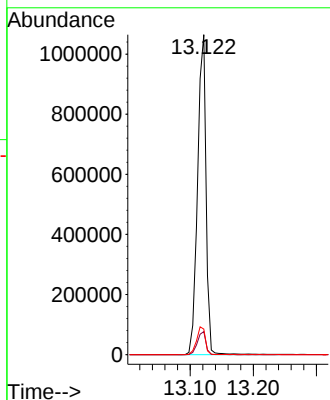
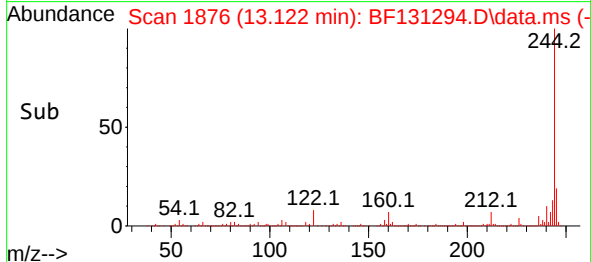
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022



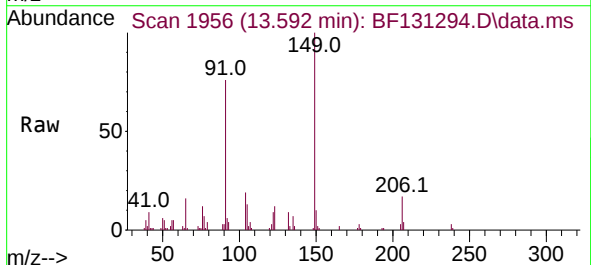
Tgt Ion:244 Resp: 996462
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 8.0 7.8 11.8

Manual Integrations
 APPROVED

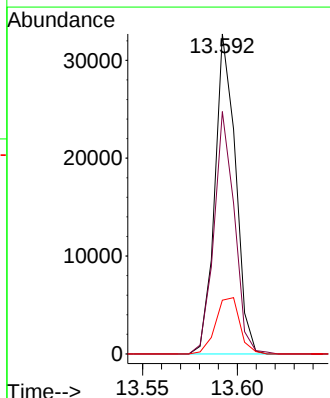
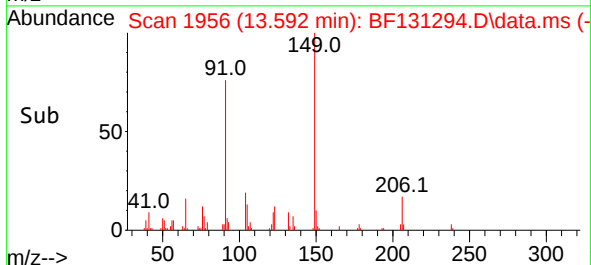
Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022

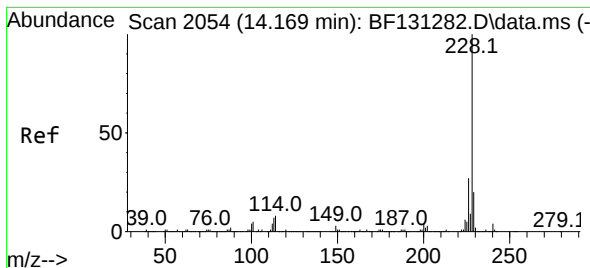


#80
 Butylbenzylphthalate
 Concen: 4.256 ng
 RT: 13.592 min Scan# 1956
 Delta R.T. -0.006 min
 Lab File: BF131294.D
 Acq: 18 Nov 2022 11:40



Tgt Ion:149 Resp: 24888
 Ion Ratio Lower Upper
 149 100
 91 75.7 54.6 82.0
 206 16.8 18.1 27.1#





#81

Benzo(a)anthracene

Concen: 5.352 ng

RT: 14.163 min Scan# 2054

Delta R.T. -0.006 min

Lab File: BF131294.D

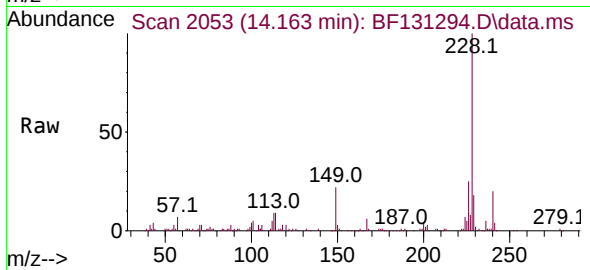
Acq: 18 Nov 2022 11:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022



Tgt Ion:228 Resp: 75813

Ion Ratio Lower Upper

228 100

226 25.2 21.5 32.3

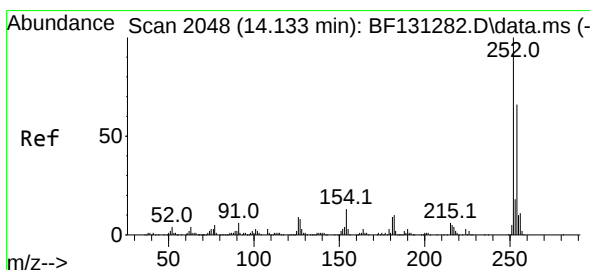
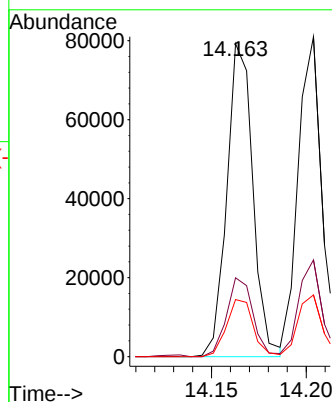
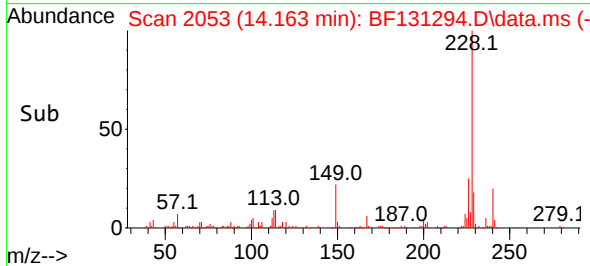
229 18.2 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#82

3,3'-Dichlorobenzidine

Concen: 5.059 ng

RT: 14.127 min Scan# 2047

Delta R.T. -0.006 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

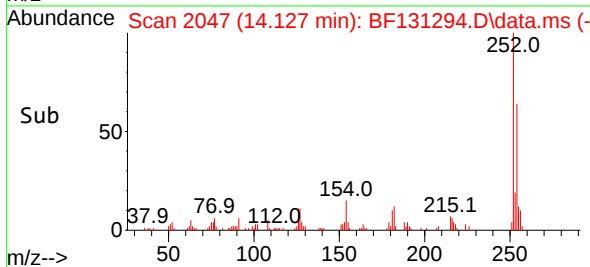
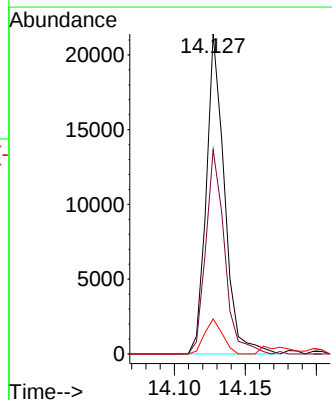
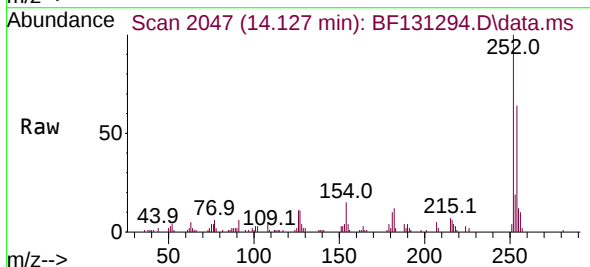
Tgt Ion:252 Resp: 19027

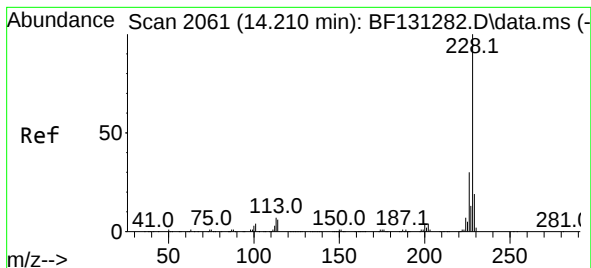
Ion Ratio Lower Upper

252 100

254 63.8 52.6 78.8

126 10.9 7.0 10.6#





#83

Chrysene

Concen: 5.203 ng

RT: 14.204 min Scan# 2060

Delta R.T. -0.006 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

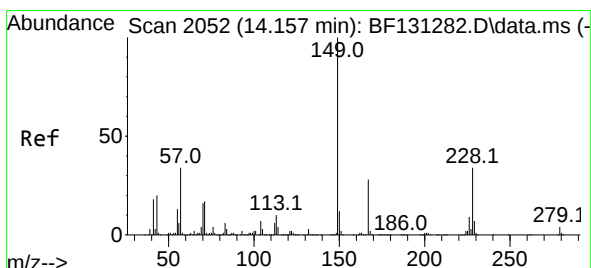
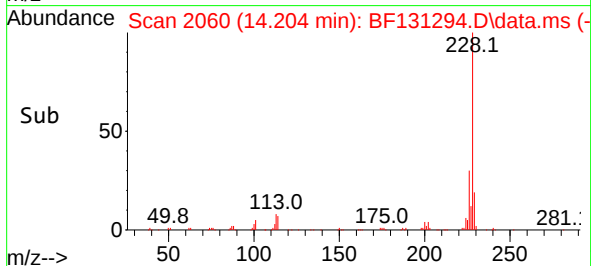
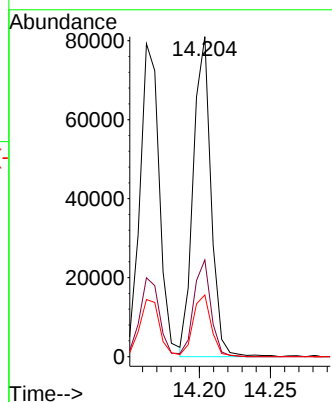
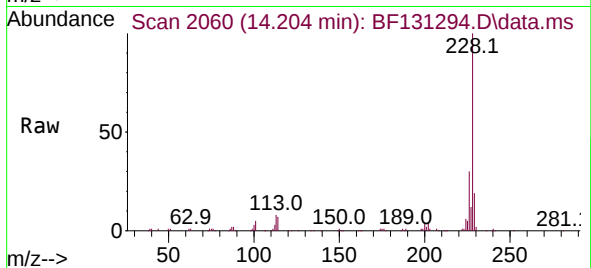
Tgt Ion:	228	Resp:	70495
Ion Ratio	Lower	Upper	
228	100		
226	30.2	23.8	35.6
229	19.3	15.2	22.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.819 ng

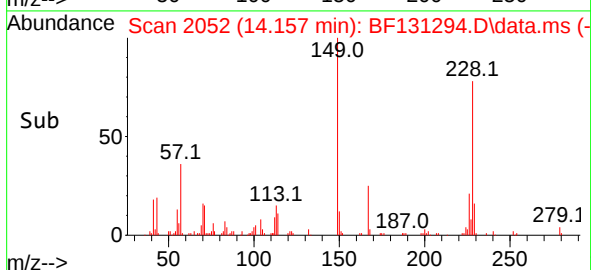
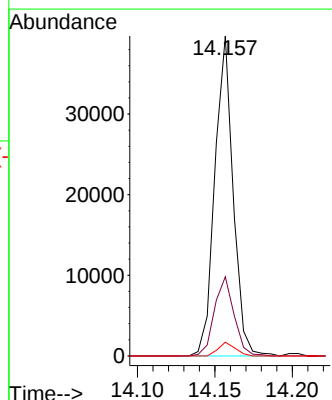
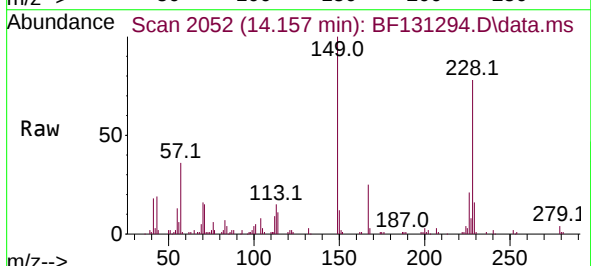
RT: 14.157 min Scan# 2052

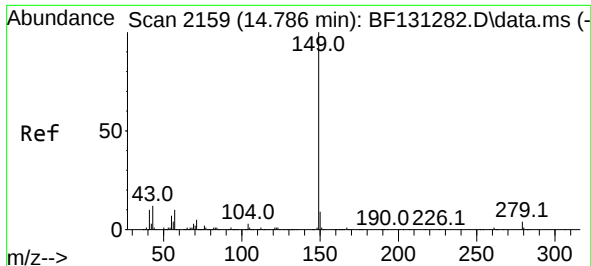
Delta R.T. -0.000 min

Lab File: BF131294.D

Acq: 18 Nov 2022 11:40

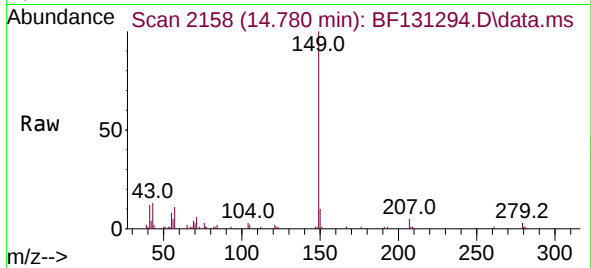
Tgt Ion:	149	Resp:	32803
Ion Ratio	Lower	Upper	
149	100		
167	24.8	22.2	33.4
279	4.3	3.4	5.2





#85
Di-n-octyl phthalate
Concen: 3.649 ng
RT: 14.780 min Scan# 2159
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

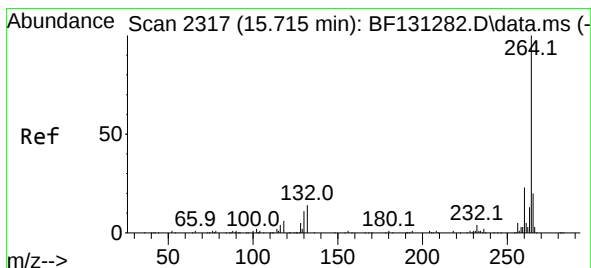
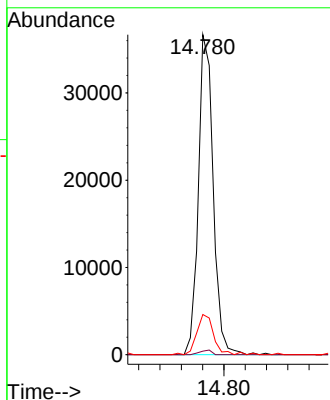
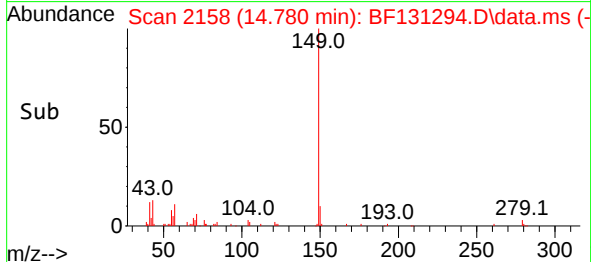
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2022



Tgt Ion:149 Resp: 35258
Ion Ratio Lower Upper
149 100
167 1.1 1.2 1.8
43 14.4 10.6 16.0

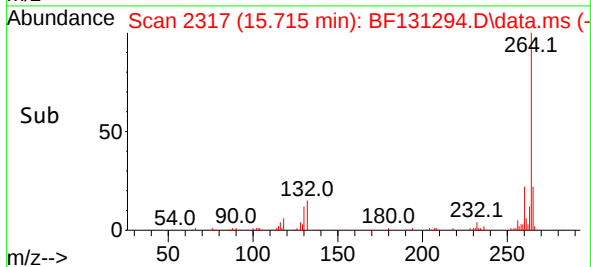
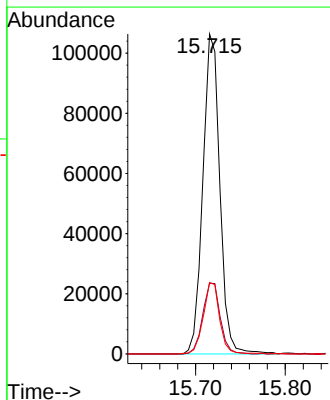
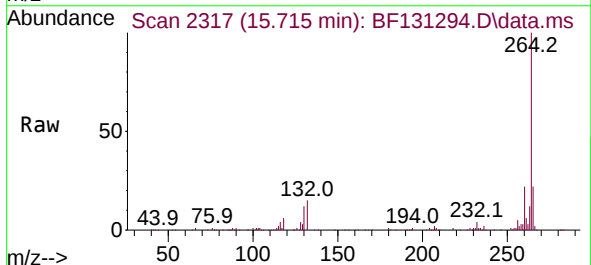
Manual Integrations
APPROVED

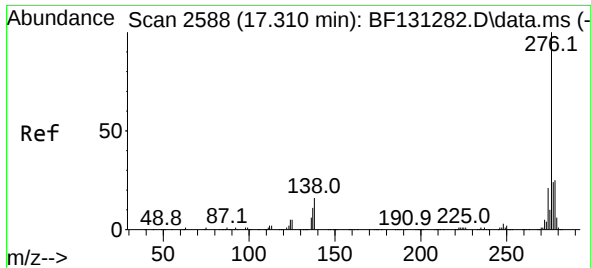
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.715 min Scan# 2317
Delta R.T. 0.000 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

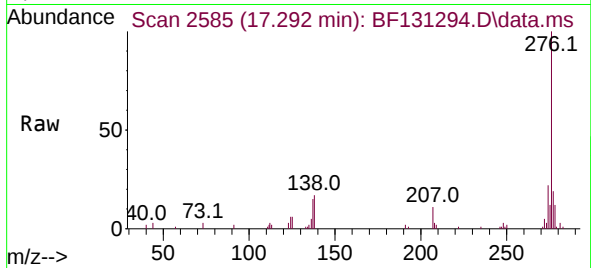
Tgt Ion:264 Resp: 139706
Ion Ratio Lower Upper
264 100
260 22.1 18.7 28.1
265 22.3 16.2 24.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 4.004 ng
RT: 17.292 min Scan# 21
Delta R.T. -0.018 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

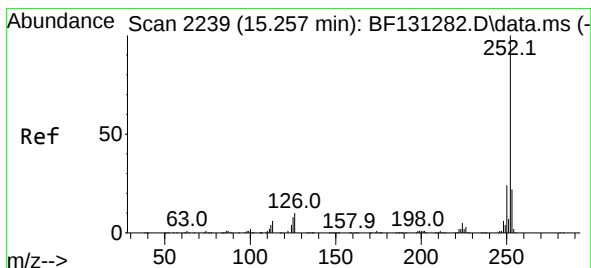
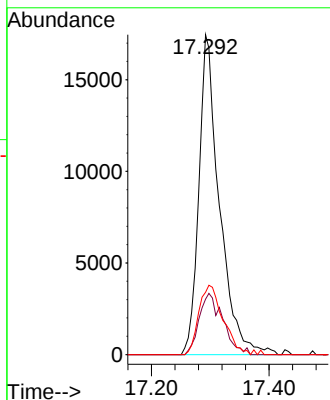
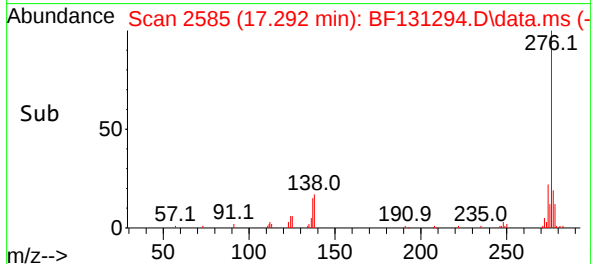
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



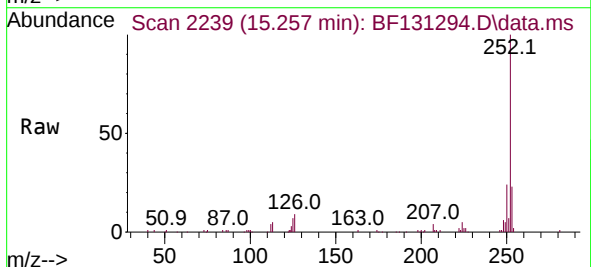
Tgt Ion:276 Resp: 42424
Ion Ratio Lower Upper
276 100
138 22.1 15.1 22.7
277 25.4 20.1 30.1

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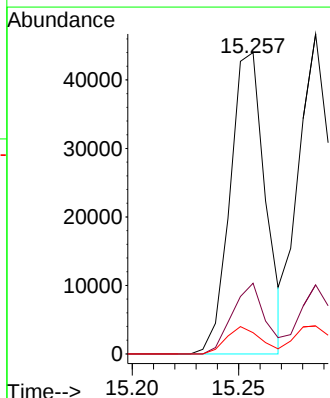
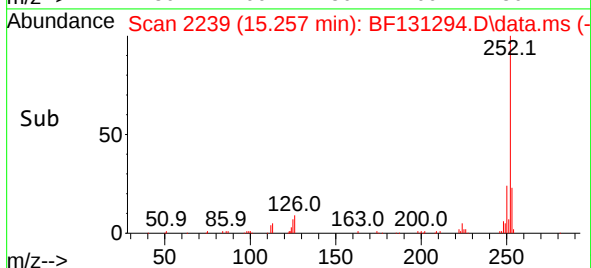
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

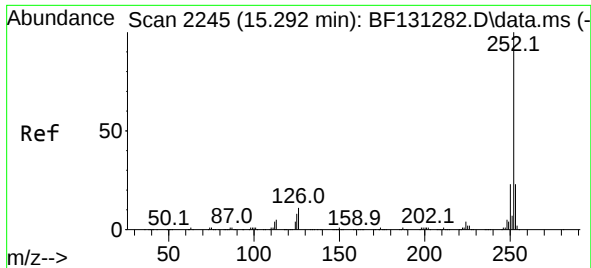


#88
Benzo(b)fluoranthene
Concen: 5.394 ng
RT: 15.257 min Scan# 2239
Delta R.T. -0.000 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40



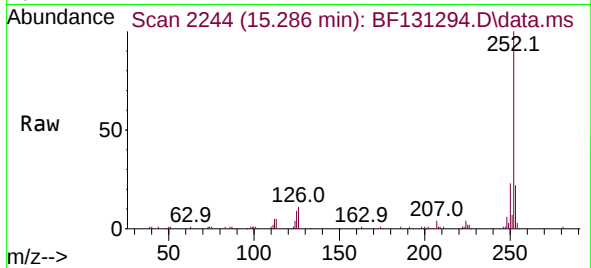
Tgt Ion:252 Resp: 50719
Ion Ratio Lower Upper
252 100
253 23.5 17.4 26.0
125 7.1 6.3 9.5





#89
Benzo(k)fluoranthene
Concen: 5.451 ng
RT: 15.286 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

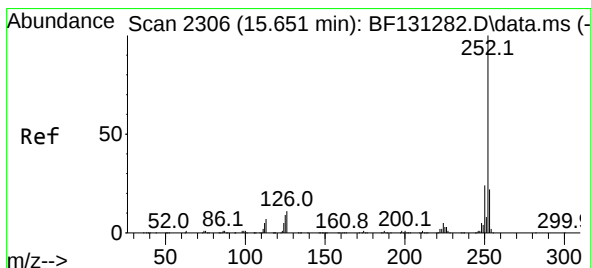
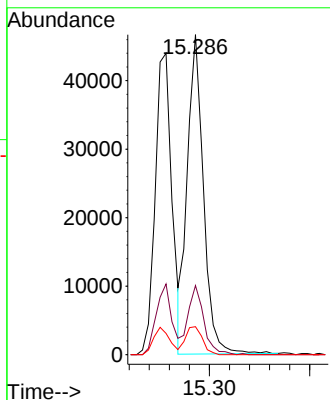
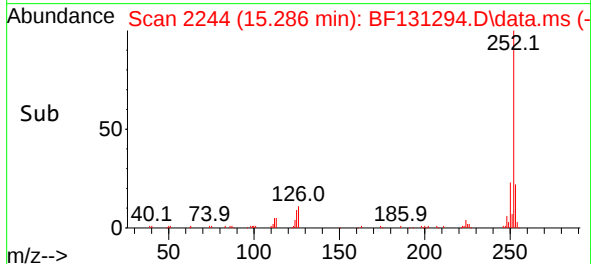
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:252 Resp: 52388
Ion Ratio Lower Upper
252 100
253 21.6 18.0 27.0
125 8.7 6.5 9.7

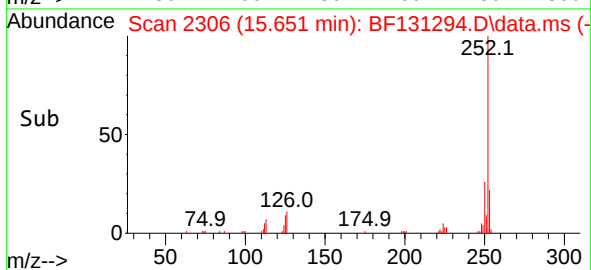
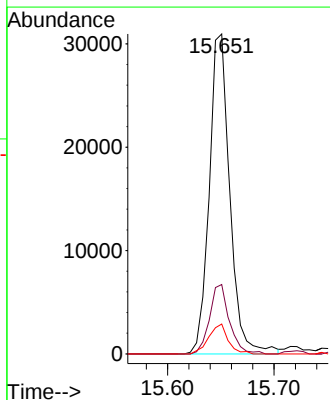
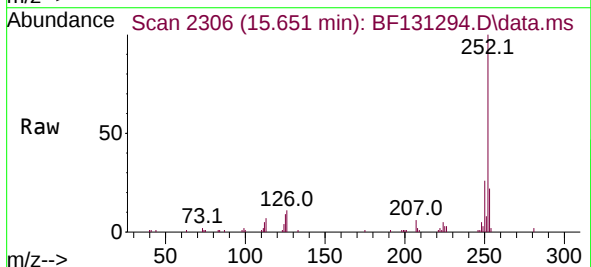
Manual Integrations
APPROVED

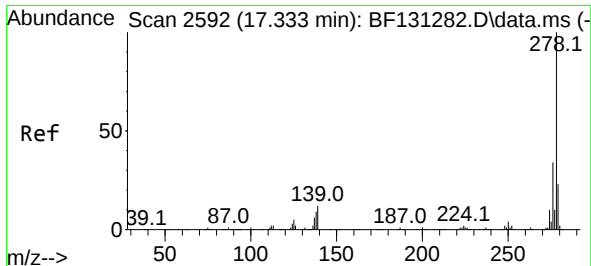
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#90
Benzo(a)pyrene
Concen: 5.368 ng
RT: 15.651 min Scan# 2306
Delta R.T. 0.000 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

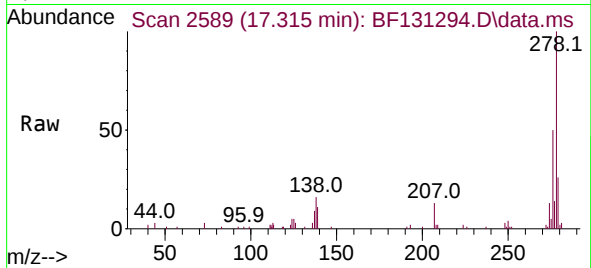
Tgt Ion:252 Resp: 41437
Ion Ratio Lower Upper
252 100
253 21.7 17.7 26.5
125 9.3 7.2 10.8





#91
Dibenzo(a,h)anthracene
Concen: 4.312 ng
RT: 17.315 min Scan# 2589
Delta R.T. -0.018 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40

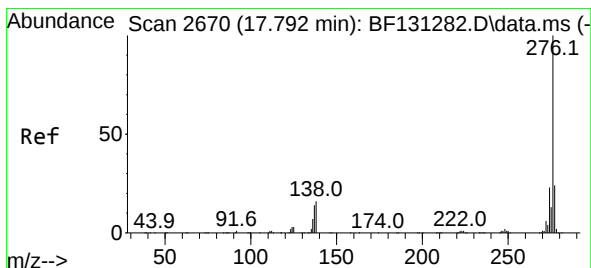
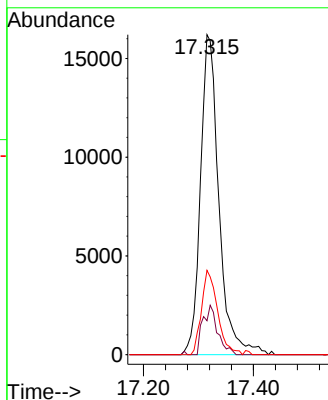
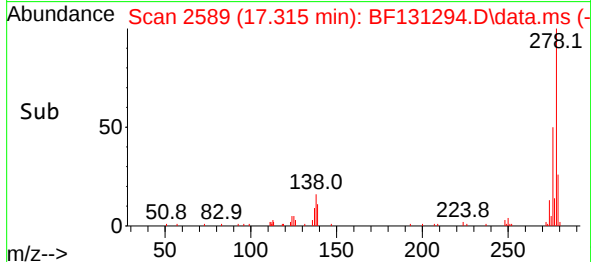
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2022



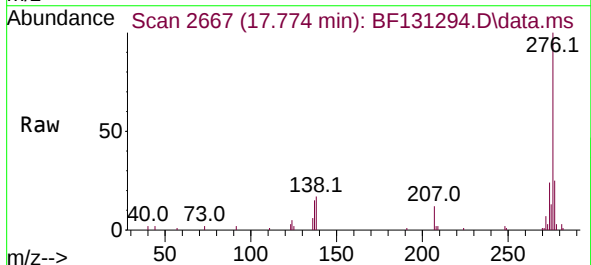
Tgt Ion: 278 Resp: 37592
Ion Ratio Lower Upper
278 100
139 10.6 10.0 15.0
279 26.3 18.6 27.8

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 4.347 ng
RT: 17.774 min Scan# 2667
Delta R.T. -0.018 min
Lab File: BF131294.D
Acq: 18 Nov 2022 11:40



Tgt Ion: 276 Resp: 38323
Ion Ratio Lower Upper
276 100
277 25.1 19.4 29.0
138 17.4 13.0 19.6

