

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF111822\
 Data File : BF131295.D
 Acq On : 18 Nov 2022 12:35
 Operator : CG\JU
 Sample : N4955-02
 Misc : LOQ-SOIL 5ppm
 ALS Vial : 7 Sample Multiplier: 1

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

Quant Time: Nov 21 01:15:05 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	76826	20.000	ng	0.00
21) Naphthalene-d8	8.257	136	283317	20.000	ng	0.00
39) Acenaphthene-d10	10.027	164	169644	20.000	ng	0.00
64) Phenanthrene-d10	11.521	188	313685	20.000	ng	0.00
76) Chrysene-d12	14.174	240	233425	20.000	ng	# 0.00
86) Perylene-d12	15.721	264	163499	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.569	112	406745	96.904	ng	0.00
7) Phenol-d6	6.581	99	508156	95.498	ng	0.00
23) Nitrobenzene-d5	7.533	82	375441	70.787	ng	0.00
42) 2,4,6-Tribromophenol	10.816	330	137926	91.332	ng	0.00
45) 2-Fluorobiphenyl	9.339	172	777875	65.490	ng	0.00
79) Terphenyl-d14	13.121	244	935141	59.883	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.769	88	9447	4.868	ng	99
3) Pyridine	3.575	79	22489	4.159	ng	99
4) n-Nitrosodimethylamine	3.487	42	13974	4.165	ng	# 97
6) Aniline	6.628	93	33583	5.043	ng	99
8) 2-Chlorophenol	6.751	128	23302	5.015	ng	93
9) Benzaldehyde	6.516	77	20887	5.407	ng	96
10) Phenol	6.592	94	26994	4.583	ng	95
11) bis(2-Chloroethyl)ether	6.698	93	22294	4.703	ng	94
12) 1,3-Dichlorobenzene	6.910	146	26669	4.825	ng	97
13) 1,4-Dichlorobenzene	6.986	146	25616	4.558	ng	96
14) 1,2-Dichlorobenzene	7.139	146	24647	4.711	ng	98
15) Benzyl Alcohol	7.128	79	7482m	1.651	ng	
16) 2,2'-oxybis(1-Chloropr...	7.239	45	42192	4.701	ng	98
17) 2-Methylphenol	7.204	107	17887	4.404	ng	97
18) Hexachloroethane	7.486	117	8822	4.415	ng	93
19) n-Nitroso-di-n-propyla...	7.369	70	17865	4.668	ng	98
20) 3+4-Methylphenols	7.363	107	23323	4.496	ng	92
22) Acetophenone	7.375	105	36032	4.813	ng	96
24) Nitrobenzene	7.551	77	26676	4.969	ng	94
25) Isophorone	7.786	82	47225	4.664	ng	99
26) 2-Nitrophenol	7.869	139	6220	3.658	ng	90
27) 2,4-Dimethylphenol	7.898	122	17300m	4.345	ng	
28) bis(2-Chloroethoxy)met...	7.998	93	28249	4.995	ng	99
29) 2,4-Dichlorophenol	8.104	162	18111	4.248	ng	94
30) 1,2,4-Trichlorobenzene	8.198	180	23730	4.483	ng	98
31) Naphthalene	8.280	128	70134	4.565	ng	98
32) Benzoic acid	7.916	122	5775m	2.425	ng	
33) 4-Chloroaniline	8.328	127	27861	4.669	ng	95
34) Hexachlorobutadiene	8.398	225	15057	4.304	ng	97
35) Caprolactam	8.651	113	5130	4.322	ng	# 89
36) 4-Chloro-3-methylphenol	8.798	107	19971	4.346	ng	97
37) 2-Methylnaphthalene	8.975	142	48632	4.697	ng	98
38) 1-Methylnaphthalene	9.075	142	44769	4.462	ng	98
40) 1,2,4,5-Tetrachloroben...	9.139	216	24711	4.452	ng	99
41) Hexachlorocyclopentadiene	9.127	237	9938	4.139	ng	91
43) 2,4,6-Trichlorophenol	9.245	196	9827	2.978	ng	97

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 Misc : LOQ-SOIL 5ppm
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Instrument :
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 LOQ-SOIL-02-QT4-2022

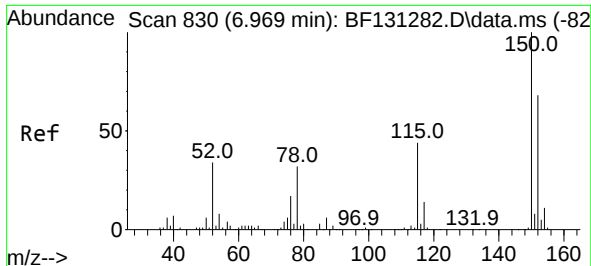
Quant Time: Nov 21 01:15:05 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF111722.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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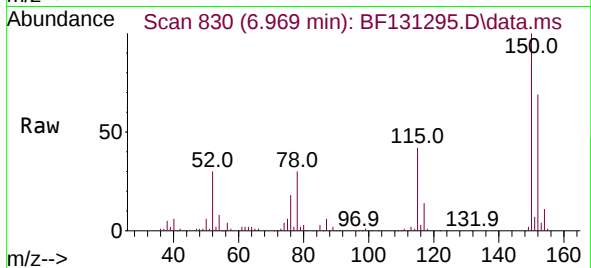
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.286	196	14498	4.032	ng	93
46) 1,1'-Biphenyl	9.439	154	61996	4.733	ng	99
47) 2-Chloronaphthalene	9.469	162	48333	4.595	ng	97
48) 2-Nitroaniline	9.557	65	10201	3.509	ng	90
49) Acenaphthylene	9.886	152	71851	4.472	ng	99
50) Dimethylphthalate	9.733	163	53121	4.324	ng	99
51) 2,6-Dinitrotoluene	9.798	165	7665	3.799	ng	90
52) Acenaphthene	10.057	154	44819	4.471	ng	97
53) 3-Nitroaniline	9.969	138	8178	3.830	ng	98
54) 2,4-Dinitrophenol	10.069	184	1277	1.797	ng	# 1
55) Dibenzofuran	10.227	168	68266	4.696	ng	96
56) 4-Nitrophenol	10.110	139	4021	2.502	ng	91
57) 2,4-Dinitrotoluene	10.198	165	8296	3.400	ng	# 96
58) Fluorene	10.574	166	53864	4.666	ng	95
59) 2,3,4,6-Tetrachlorophenol	10.345	232	11344m	3.725	ng	
60) Diethylphthalate	10.439	149	51740	4.415	ng	98
61) 4-Chlorophenyl-phenyle...	10.569	204	27414	4.684	ng	96
62) 4-Nitroaniline	10.580	138	8234	3.795	ng	97
63) Azobenzene	10.727	77	53195	4.370	ng	99
65) 4,6-Dinitro-2-methylph...	10.604	198	2236	2.056	ng	# 78
66) n-Nitrosodiphenylamine	10.680	169	45491	4.500	ng	96
67) 4-Bromophenyl-phenylether	11.063	248	16641	4.421	ng	89
68) Hexachlorobenzene	11.121	284	17729	4.341	ng	94
69) Atrazine	11.210	200	15073	4.674	ng	98
70) Pentachlorophenol	11.316	266	5405	2.477	ng	92
71) Phenanthrene	11.545	178	79109	4.561	ng	98
72) Anthracene	11.598	178	78100	4.604	ng	99
73) Carbazole	11.751	167	67516	4.735	ng	99
74) Di-n-butylphthalate	12.080	149	75210	4.368	ng	98
75) Fluoranthene	12.739	202	84024	4.668	ng	99
77) Benzidine	12.863	184	30740	5.822	ng	97
78) Pyrene	12.968	202	86617	3.857	ng	99
80) Butylbenzylphthalate	13.592	149	22390	3.296	ng	# 84
81) Benzo(a)anthracene	14.168	228	69238	4.207	ng	97
82) 3,3'-Dichlorobenzidine	14.127	252	18227	4.172	ng	94
83) Chrysene	14.204	228	69161	4.394	ng	97
84) Bis(2-ethylhexyl)phtha...	14.157	149	32922	4.163	ng	97
85) Di-n-octyl phthalate	14.786	149	39155	3.488	ng	97
87) Indeno(1,2,3-cd)pyrene	17.298	276	38419	3.098	ng	95
88) Benzo(b)fluoranthene	15.256	252	50179	4.560	ng	98
89) Benzo(k)fluoranthene	15.286	252	46719	4.154	ng	100
90) Benzo(a)pyrene	15.651	252	38583	4.271	ng	98
91) Dibenzo(a,h)anthracene	17.321	278	34293	3.361	ng	99
92) Benzo(g,h,i)perylene	17.774	276	32900	3.189	ng	97

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.969 min Scan# 830
Delta R.T. -0.000 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

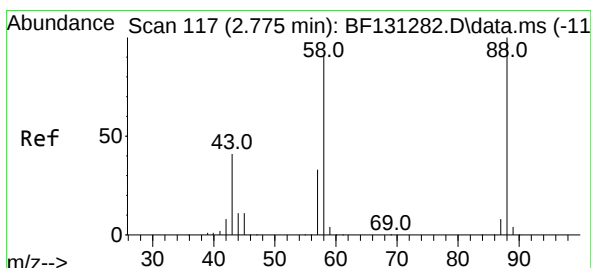
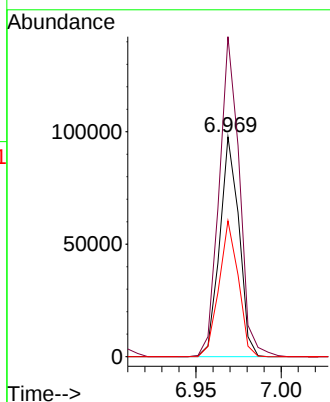
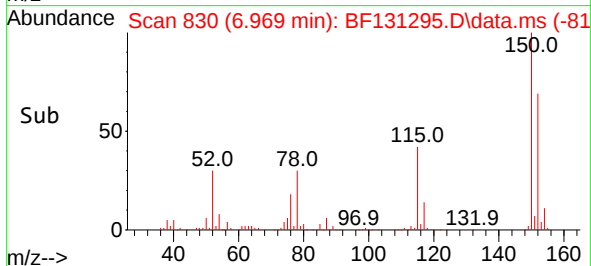
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:152 Resp: 76826
Ion Ratio Lower Upper
152 100
150 145.7 117.8 176.6
115 61.8 52.2 78.4

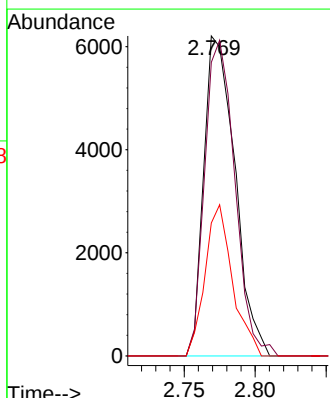
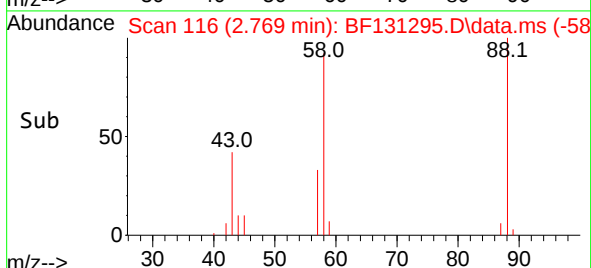
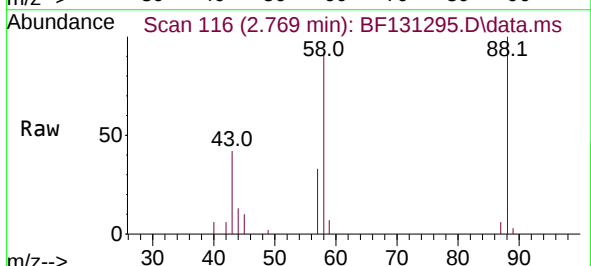
Manual Integrations
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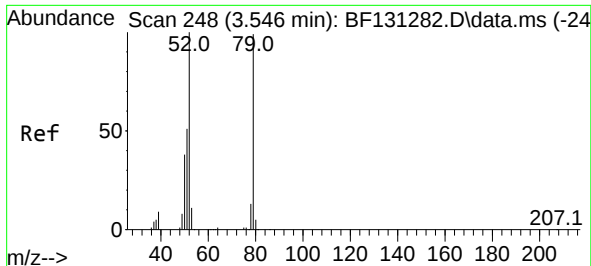
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#2
1,4-Dioxane
Concen: 4.868 ng
RT: 2.769 min Scan# 116
Delta R.T. -0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

Tgt Ion: 88 Resp: 9447
Ion Ratio Lower Upper
88 100
58 95.5 76.0 114.0
43 41.7 32.4 48.6





#3

Pyridine

Concen: 4.159 ng

RT: 3.575 min Scan# 21

Delta R.T. 0.029 min

Lab File: BF131295.D

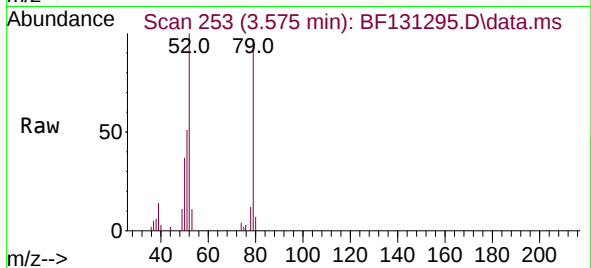
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Instrument :

BNA_F

ClientSampleId :

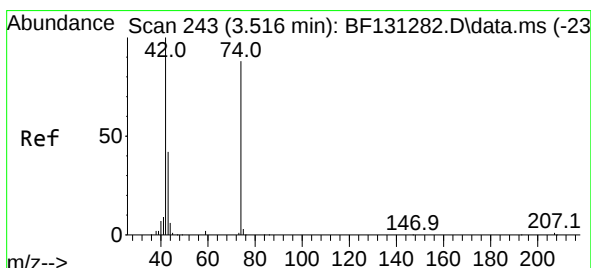
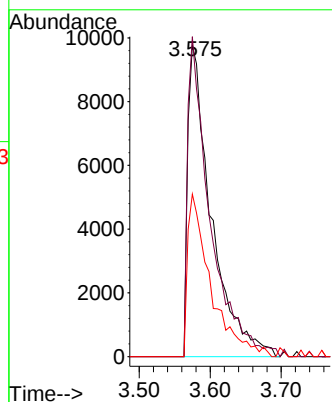
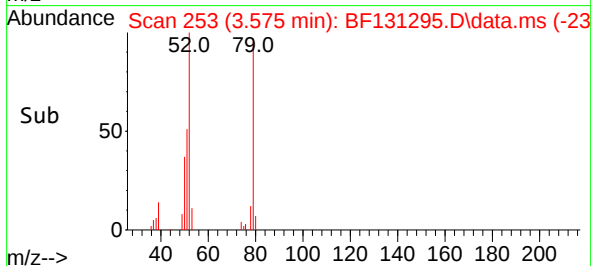
LOQ-SOIL-02-QT4-2022



Tgt Ion: 79	Resp: 22489
Ion Ratio	Lower Upper
79	100
52	102.8 80.7 121.1
51	52.2 41.6 62.4

Manual Integrations
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#4

n-Nitrosodimethylamine

Concen: 4.165 ng

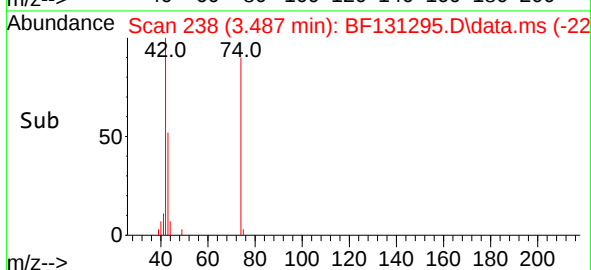
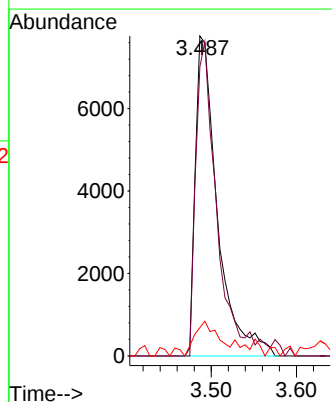
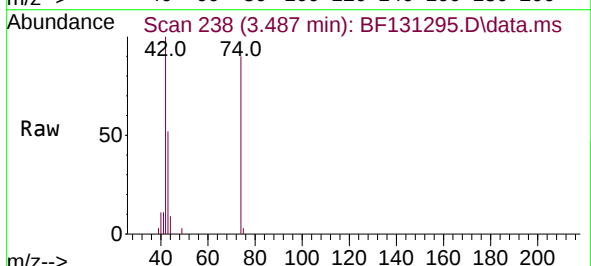
RT: 3.487 min Scan# 238

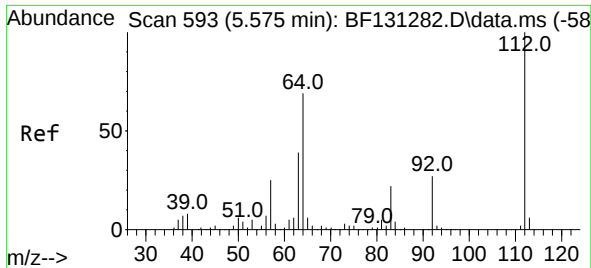
Delta R.T. -0.030 min

Lab File: BF131295.D

Acq: 18 Nov 2022 12:35

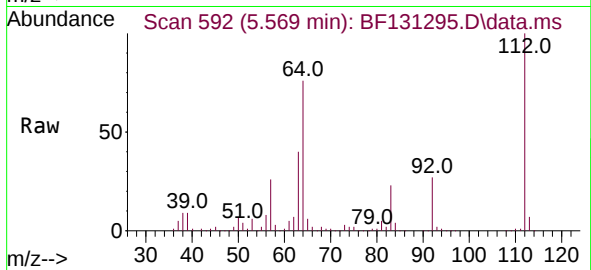
Tgt Ion: 42	Resp: 13974
Ion Ratio	Lower Upper
42	100
74	90.3 70.3 105.5
44	8.8 5.4 8.2





#5
2-Fluorophenol
Concen: 96.904 ng
RT: 5.569 min Scan# 593
Delta R.T. -0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

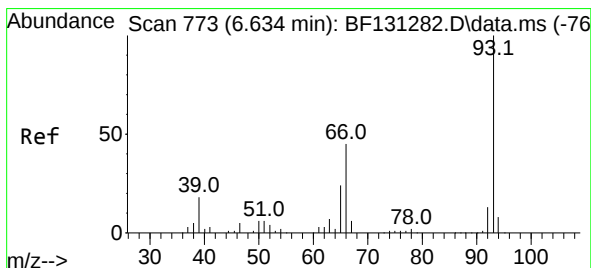
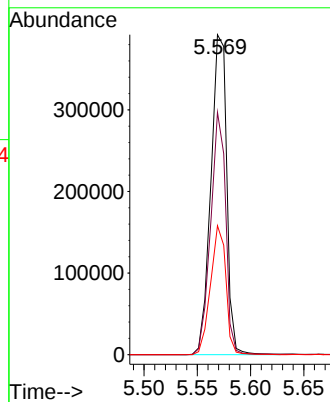
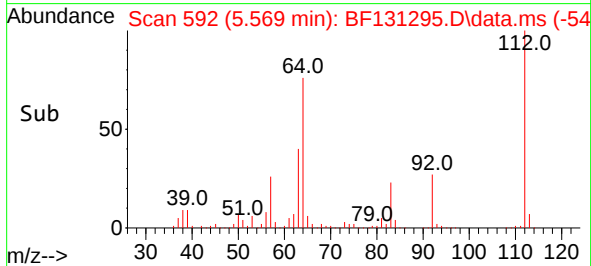
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:112 Resp: 406745
Ion Ratio Lower Upper
112 100
64 75.7 55.5 83.3
63 40.3 31.0 46.6

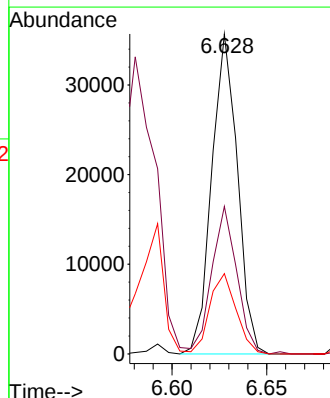
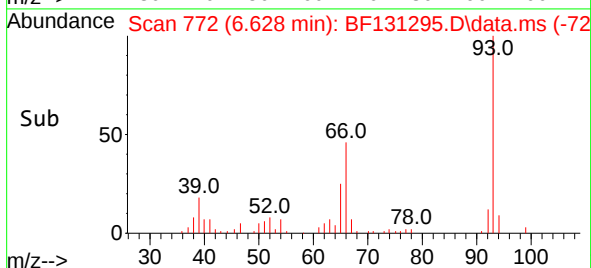
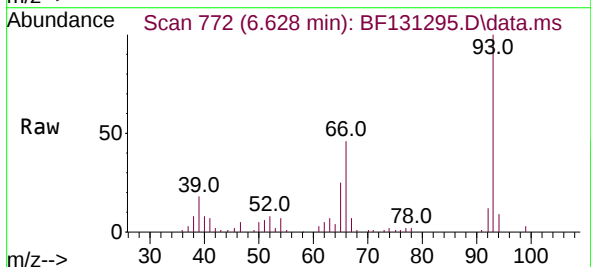
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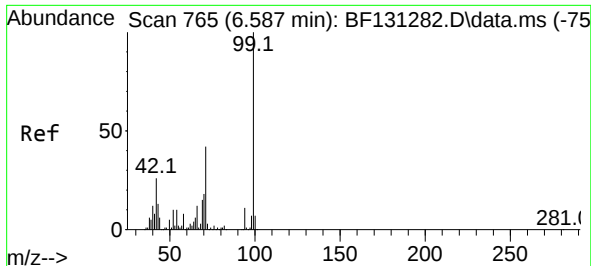
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#6
Aniline
Concen: 5.043 ng
RT: 6.628 min Scan# 772
Delta R.T. -0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

Tgt Ion: 93 Resp: 33583
Ion Ratio Lower Upper
93 100
66 46.1 37.7 56.5
65 25.1 19.5 29.3





#7

Phenol-d6

Concen: 95.498 ng

RT: 6.581 min Scan# 764

Delta R.T. -0.006 min

Lab File: BF131295.D

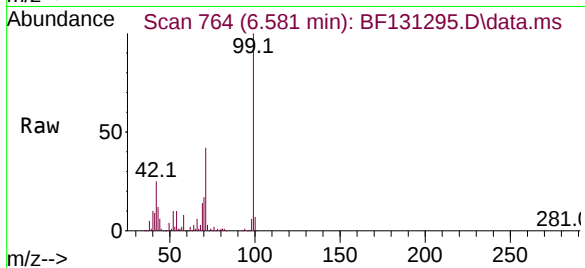
Acq: 18 Nov 2022 12:35

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022



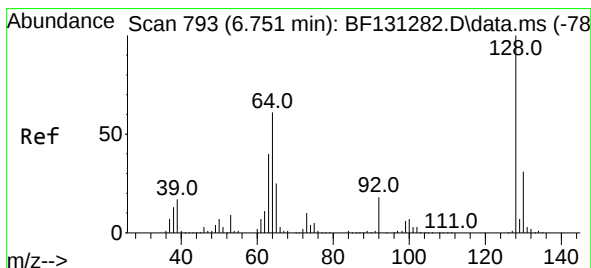
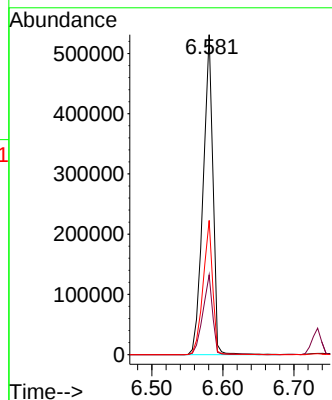
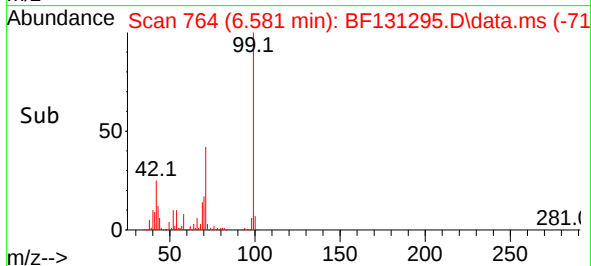
Tgt Ion:	99	Resp:	508156
Ion Ratio	Lower	Upper	
99	100		
42	24.9	21.2	31.8
71	41.9	33.8	50.6

Manual Integrations

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#8

2-Chlorophenol

Concen: 5.015 ng

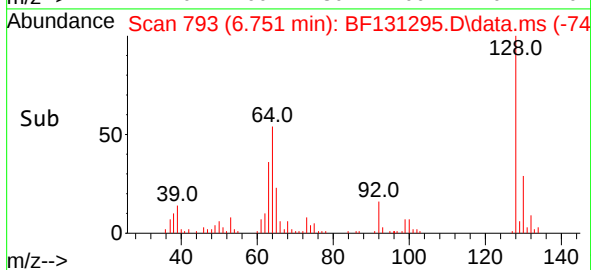
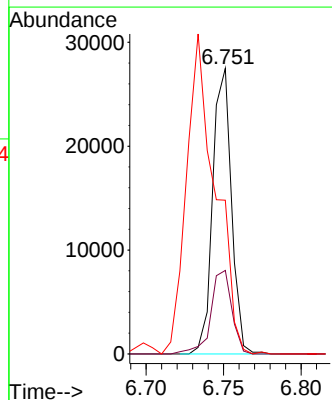
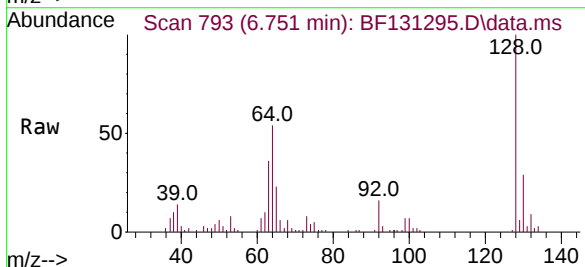
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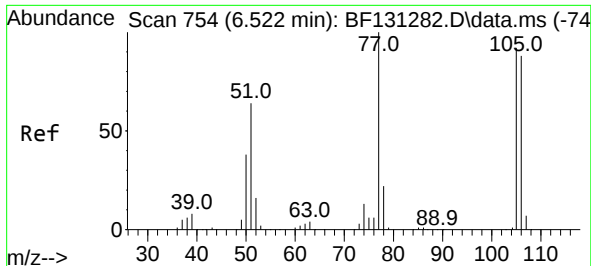
Delta R.T. -0.000 min

Lab File: BF131295.D

Acq: 18 Nov 2022 12:35

Tgt Ion:	128	Resp:	23302
Ion Ratio	Lower	Upper	
128	100		
130	29.2	11.4	51.4
64	53.8	40.9	80.9





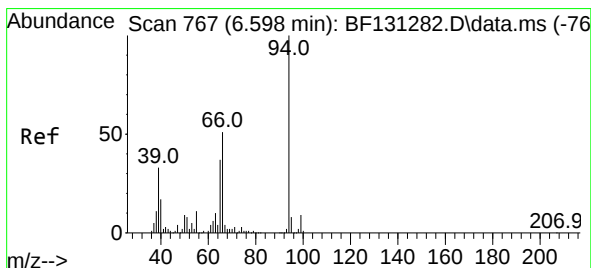
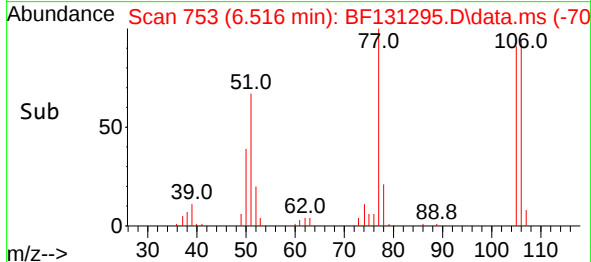
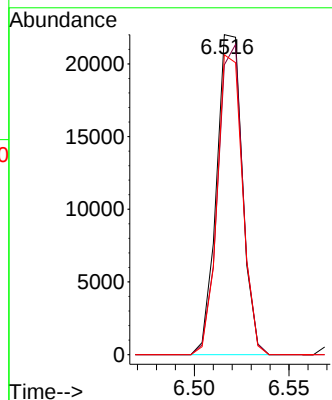
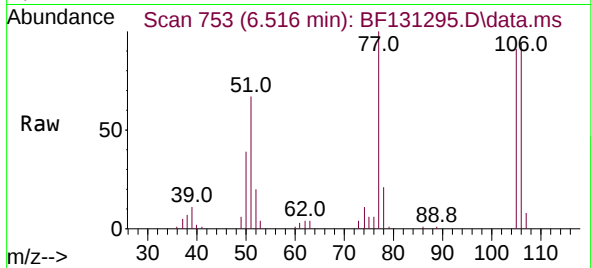
#9
Benzaldehyde
Concen: 5.407 ng
RT: 6.516 min Scan# 753
Delta R.T. -0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

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

Tgt Ion: 77 Resp: 2088
Ion Ratio Lower Upper
77 100
105 90.6 72.5 112.5
106 93.7 67.7 107.7

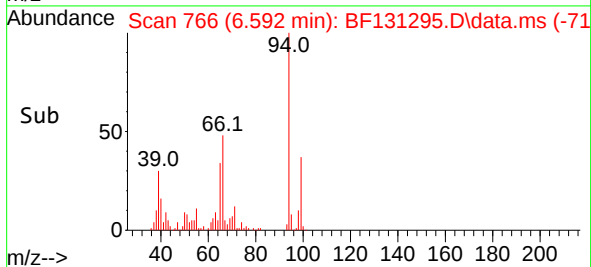
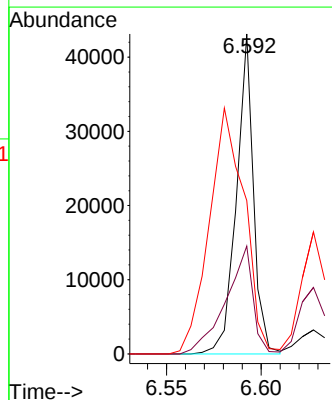
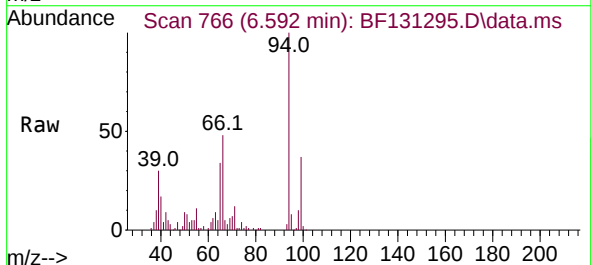
Manual Integrations
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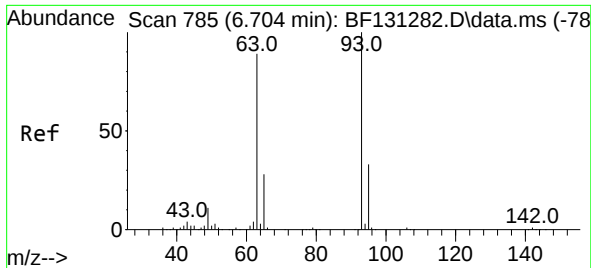
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#10
Phenol
Concen: 4.583 ng
RT: 6.592 min Scan# 766
Delta R.T. -0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

Tgt Ion: 94 Resp: 26994
Ion Ratio Lower Upper
94 100
65 33.7 16.8 56.8
66 47.9 31.4 71.4





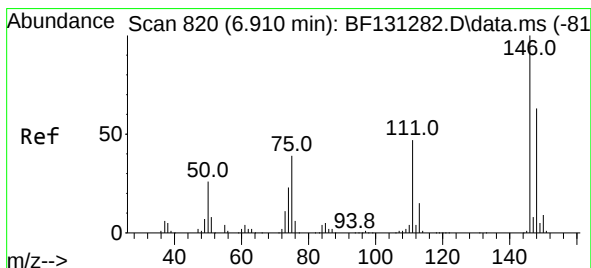
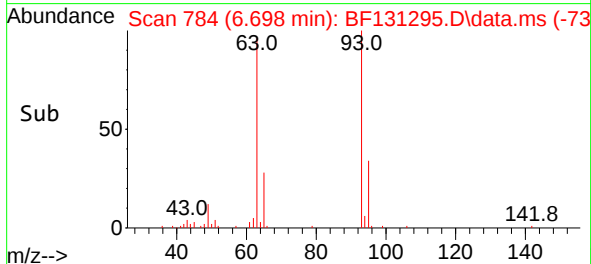
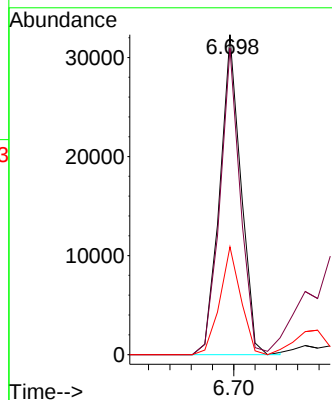
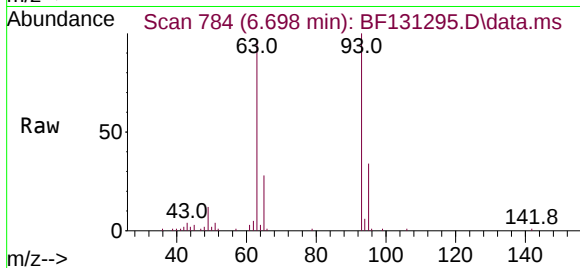
#11
bis(2-Chloroethyl)ether
Concen: 4.703 ng
RT: 6.698 min Scan# 785
Delta R.T. -0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

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

Tgt Ion: 93 Resp: 22294
Ion Ratio Lower Upper
93 100
63 95.8 68.8 108.8
95 33.7 12.4 52.4

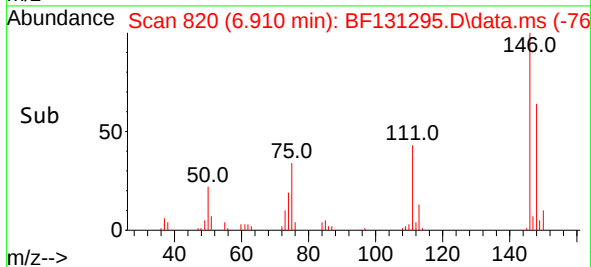
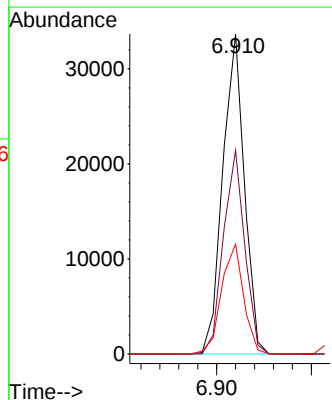
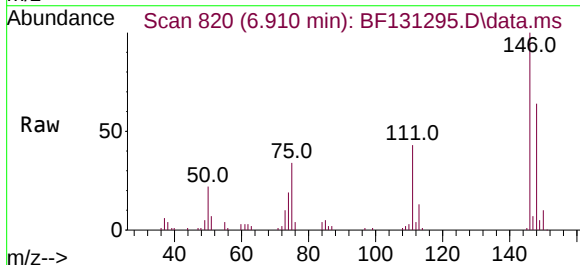
Manual Integrations
APPROVED

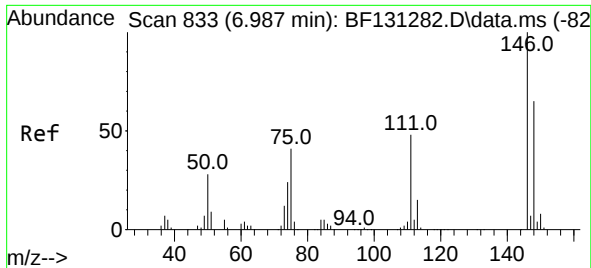
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#12
1,3-Dichlorobenzene
Concen: 4.825 ng
RT: 6.910 min Scan# 820
Delta R.T. -0.000 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

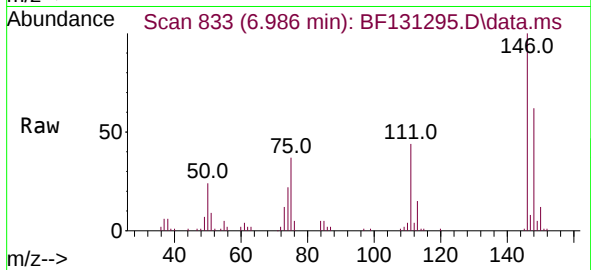
Tgt Ion:146 Resp: 26669
Ion Ratio Lower Upper
146 100
148 63.6 50.4 75.6
75 34.3 30.9 46.3





#13
1,4-Dichlorobenzene
Concen: 4.558 ng
RT: 6.986 min Scan# 841
Delta R.T. -0.000 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

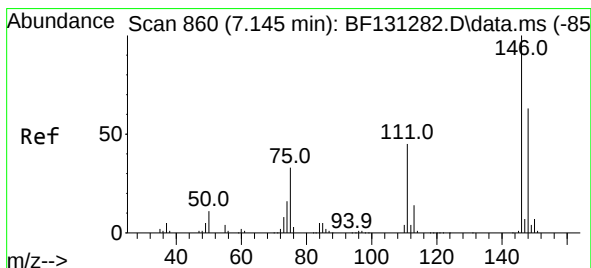
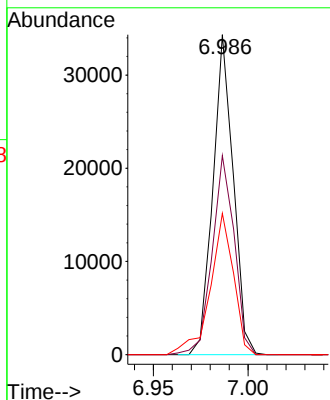
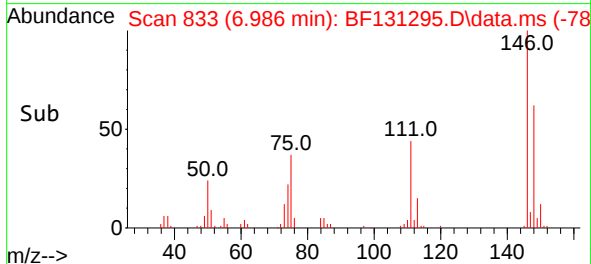
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



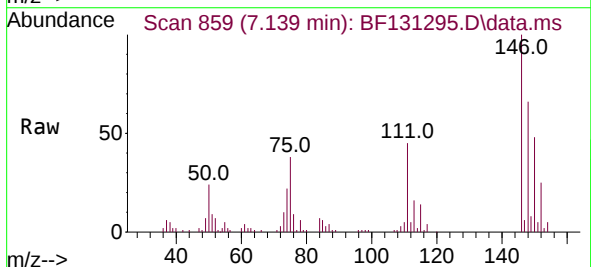
Tgt Ion:146 Resp: 25616
Ion Ratio Lower Upper
146 100
148 62.2 51.9 77.9
111 44.1 38.3 57.5

Manual Integrations
APPROVED

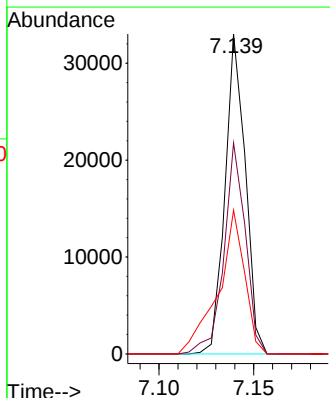
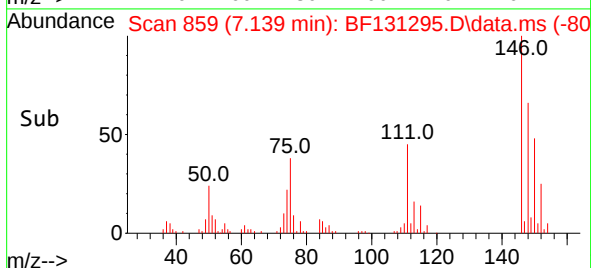
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

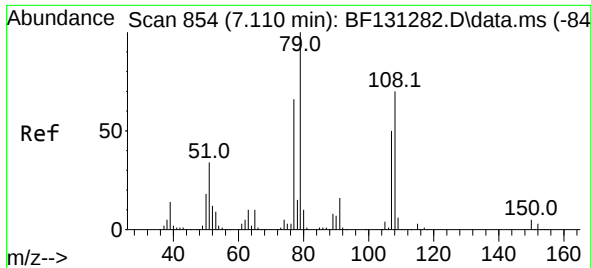


#14
1,2-Dichlorobenzene
Concen: 4.711 ng
RT: 7.139 min Scan# 859
Delta R.T. -0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35



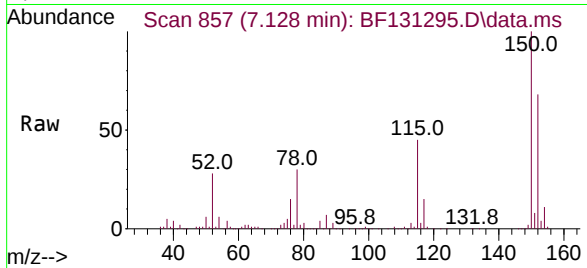
Tgt Ion:146 Resp: 24647
Ion Ratio Lower Upper
146 100
148 65.9 50.6 75.8
111 44.9 36.4 54.6





#15
Benzyl Alcohol
Concen: 1.651 ng m
RT: 7.128 min Scan# 854
Delta R.T. 0.017 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

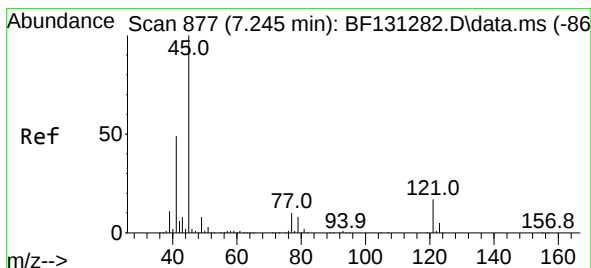
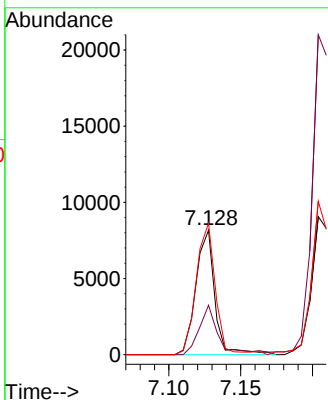
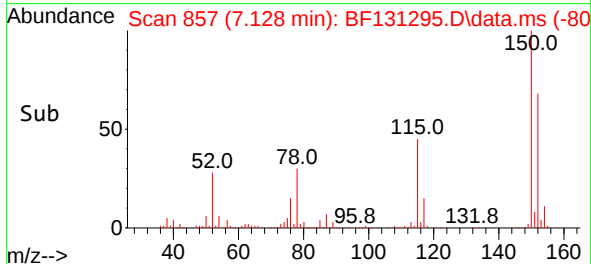
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion: 79 Resp: 7482
Ion Ratio Lower Upper
79 100
108 39.7 56.3 84.5
77 105.7 52.5 78.7

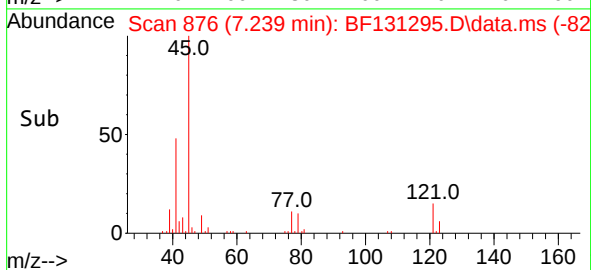
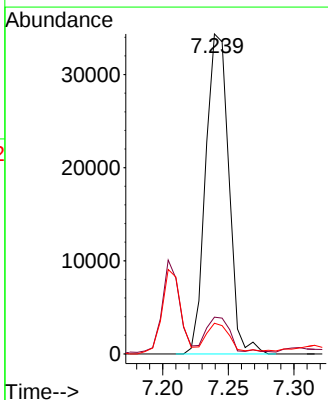
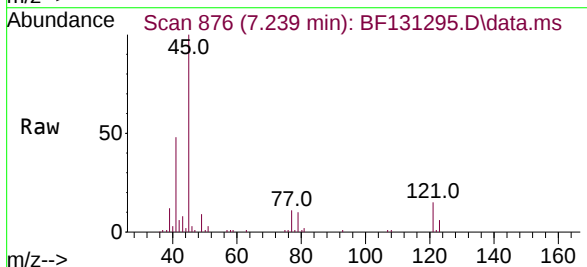
Manual Integrations
APPROVED

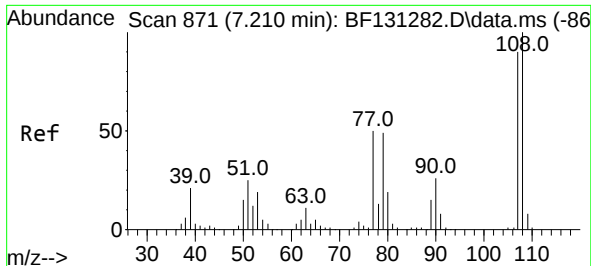
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.701 ng
RT: 7.239 min Scan# 876
Delta R.T. -0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

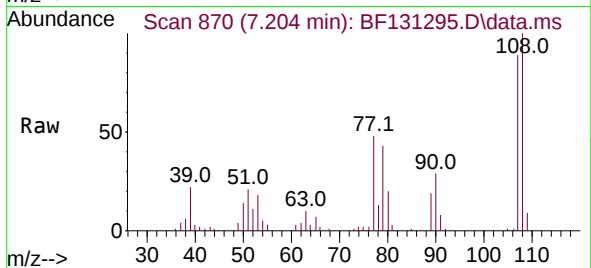
Tgt Ion: 45 Resp: 42192
Ion Ratio Lower Upper
45 100
77 11.5 0.0 30.8
79 9.6 0.0 28.4





#17
2-Methylphenol
Concen: 4.404 ng
RT: 7.204 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

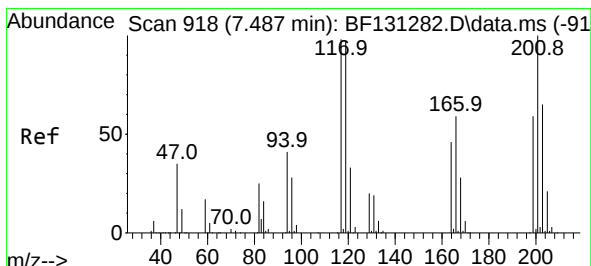
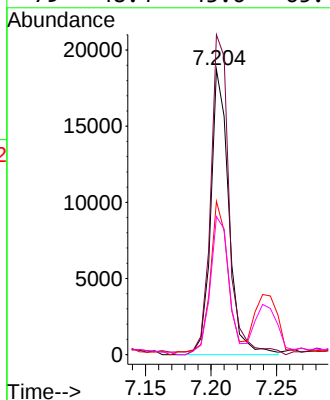
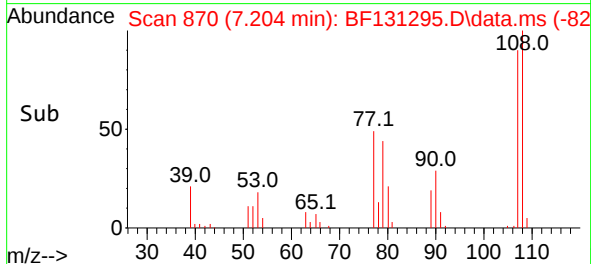
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:107 Resp: 1788
Ion Ratio Lower Upper
107 100
108 112.3 89.2 133.8
77 53.8 45.0 67.4
79 48.4 43.6 65.4

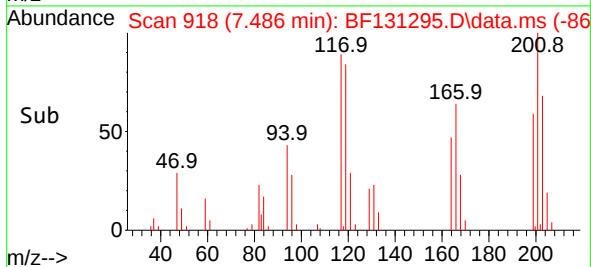
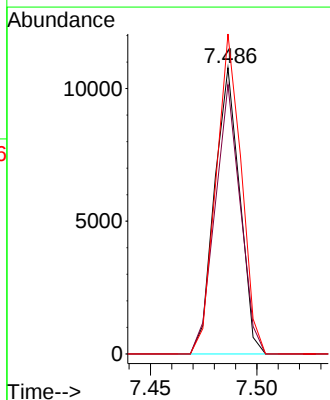
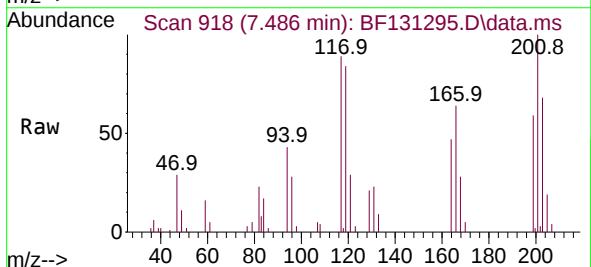
Manual Integrations
APPROVED

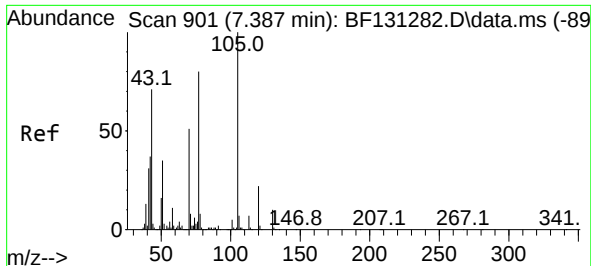
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#18
Hexachloroethane
Concen: 4.415 ng
RT: 7.486 min Scan# 918
Delta R.T. -0.000 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

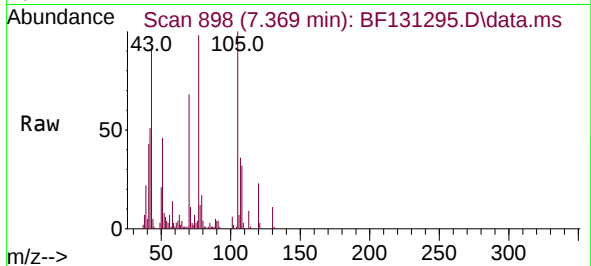
Tgt Ion:117 Resp: 8822
Ion Ratio Lower Upper
117 100
119 94.2 79.0 118.4
201 111.8 81.7 122.5





#19
n-Nitroso-di-n-propylamine
Concen: 4.668 ng
RT: 7.369 min Scan# 897
Delta R.T. -0.018 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

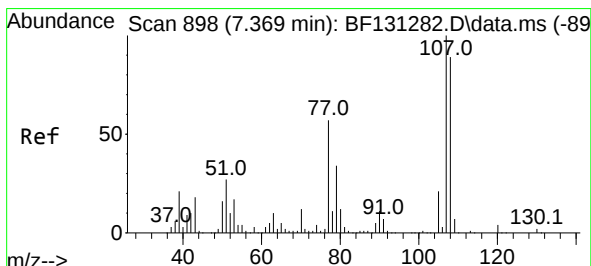
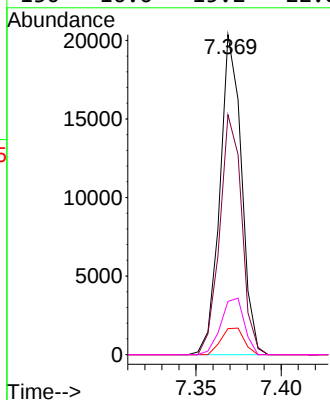
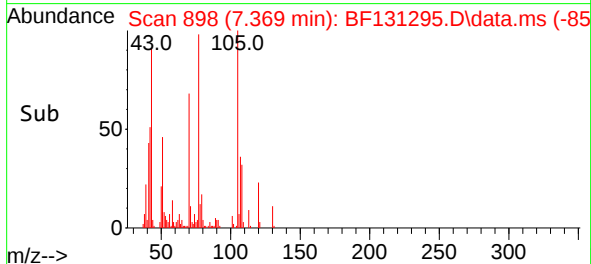
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion	Ratio	Lower	Upper
70	100		
42	74.9	58.9	88.3
101	8.1	7.2	10.8
130	16.6	15.2	22.8

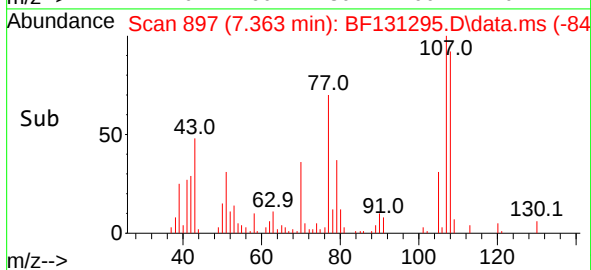
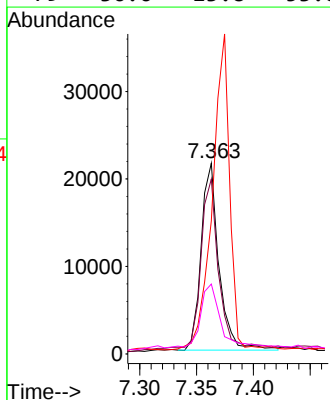
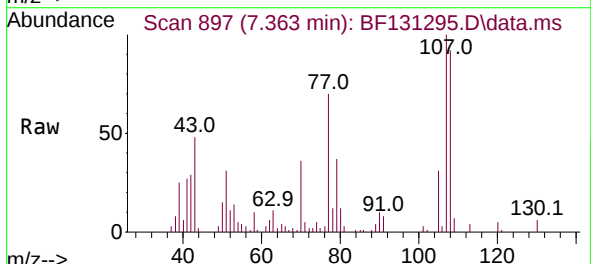
Manual Integrations
APPROVED

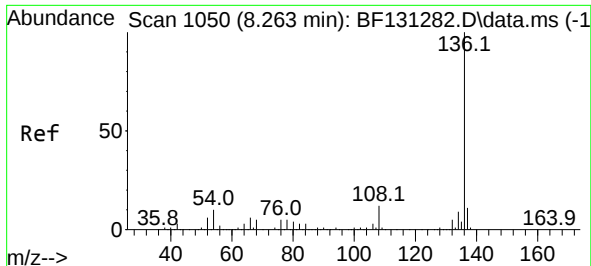
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#20
3+4-Methylphenols
Concen: 4.496 ng
RT: 7.363 min Scan# 897
Delta R.T. -0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

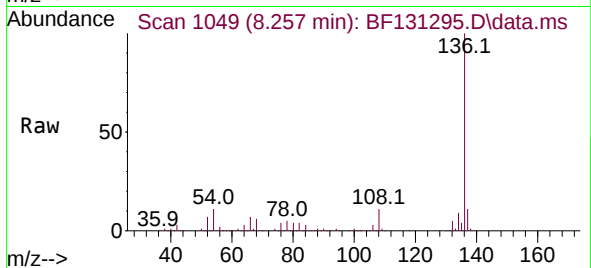
Tgt Ion	Ratio	Lower	Upper
107	100		
108	91.7	69.0	109.0
77	69.8	36.9	76.9
79	36.6	13.8	53.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.257 min Scan# 1049
Delta R.T. -0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

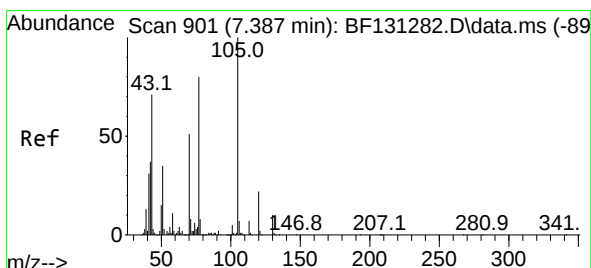
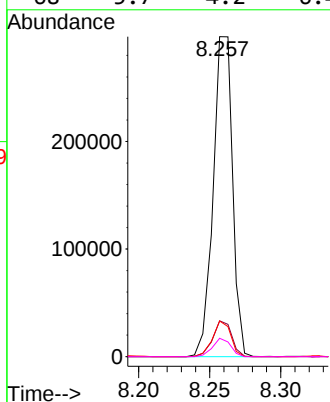
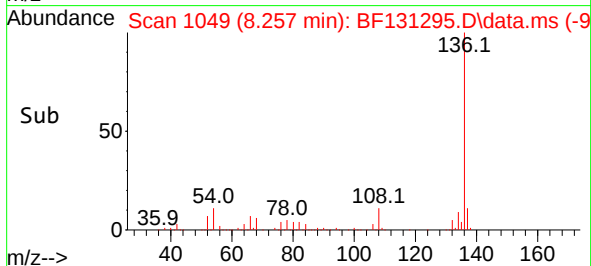
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



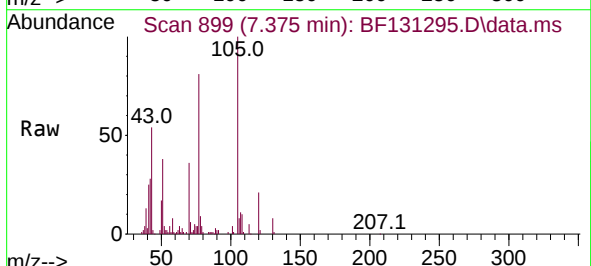
Tgt Ion:	136	Resp:	28331
Ion Ratio	Lower	Upper	
136	100		
137	11.2	8.6	12.8
54	11.1	8.2	12.2
68	5.7	4.2	6.4

Manual Integrations
APPROVED

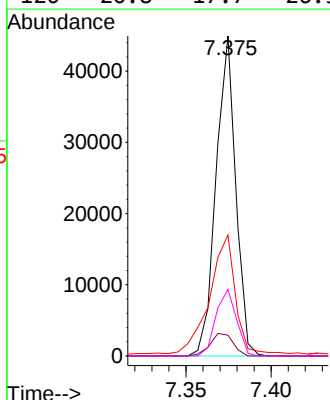
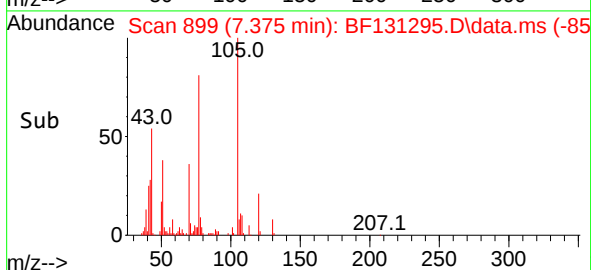
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

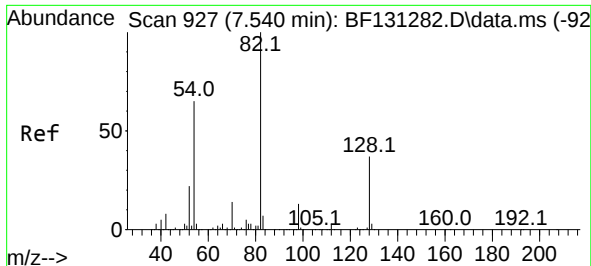


#22
Acetophenone
Concen: 4.813 ng
RT: 7.375 min Scan# 899
Delta R.T. -0.012 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35



Tgt Ion:	105	Resp:	36032
Ion Ratio	Lower	Upper	
105	100		
71	6.5	6.4	9.6
51	37.8	28.0	42.0
120	20.8	17.7	26.5





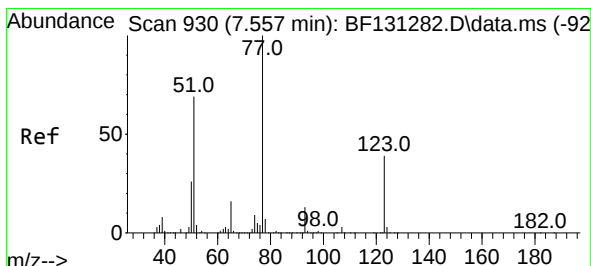
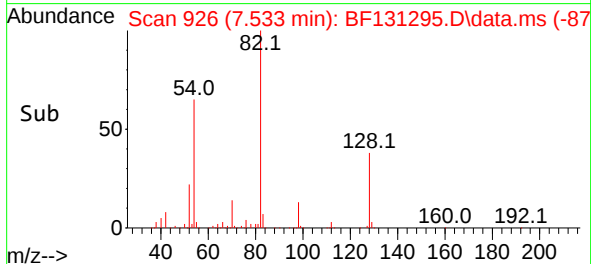
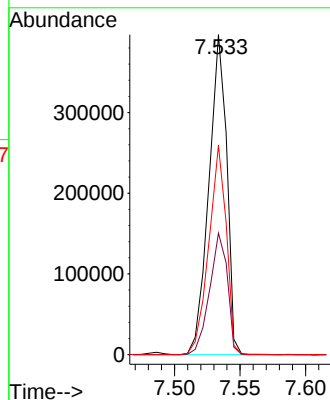
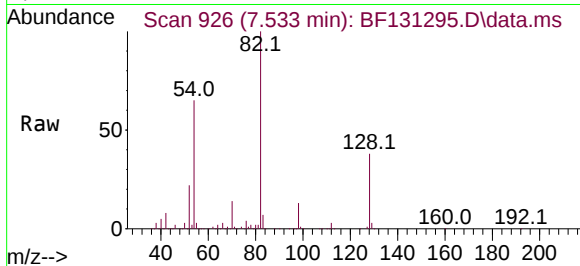
#23
Nitrobenzene-d5
Concen: 70.787 ng
RT: 7.533 min Scan# 91
Delta R.T. -0.007 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

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

Tgt Ion: 82 Resp: 37544
Ion Ratio Lower Upper
82 100
128 38.0 29.2 43.8
54 65.4 52.2 78.4

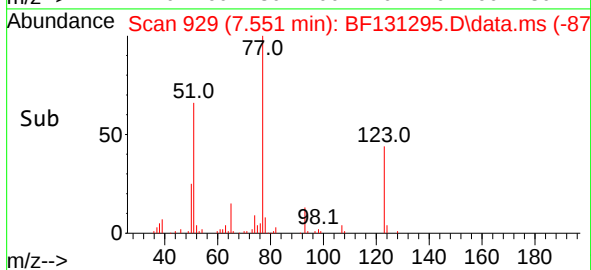
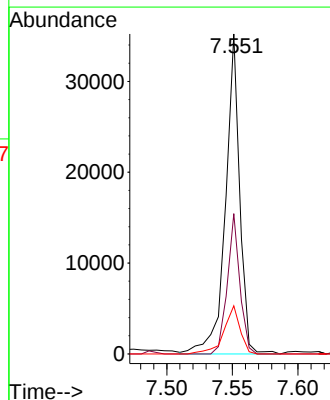
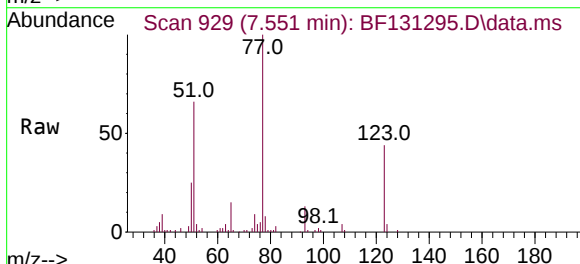
Manual Integrations
APPROVED

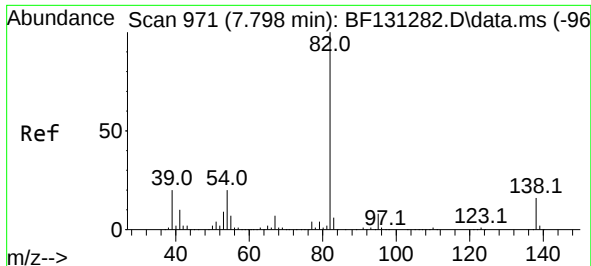
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#24
Nitrobenzene
Concen: 4.969 ng
RT: 7.551 min Scan# 929
Delta R.T. -0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

Tgt Ion: 77 Resp: 26676
Ion Ratio Lower Upper
77 100
123 43.8 31.0 46.6
65 15.0 12.6 19.0





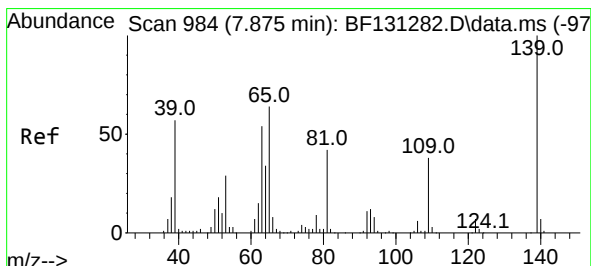
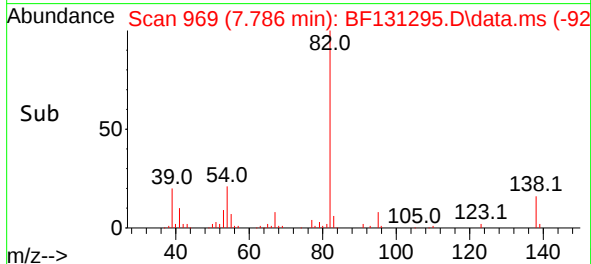
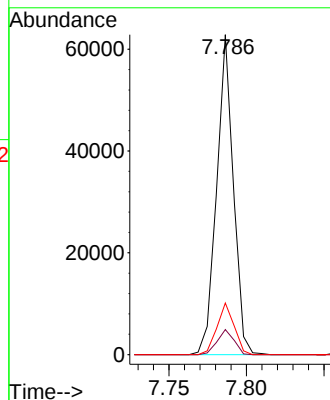
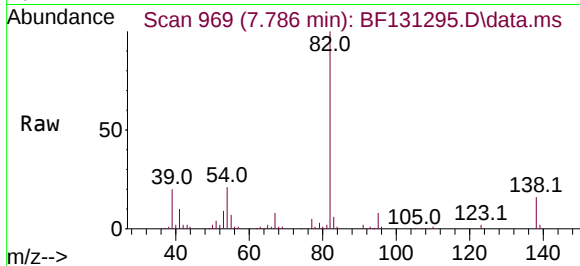
#25
Isophorone
Concen: 4.664 ng
RT: 7.786 min Scan# 90
Delta R.T. -0.012 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

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

Tgt Ion: 82 Resp: 47225
Ion Ratio Lower Upper
82 100
95 7.8 6.6 9.8
138 16.1 13.0 19.6

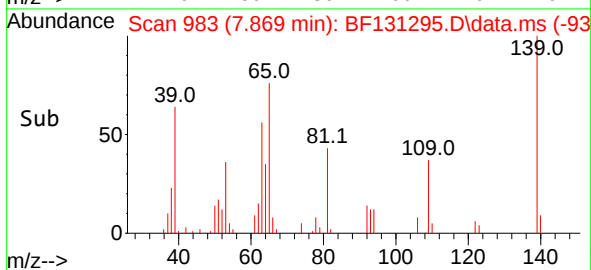
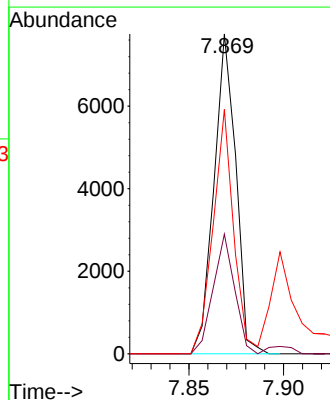
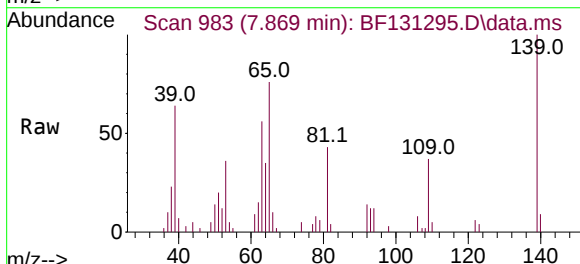
Manual Integrations
APPROVED

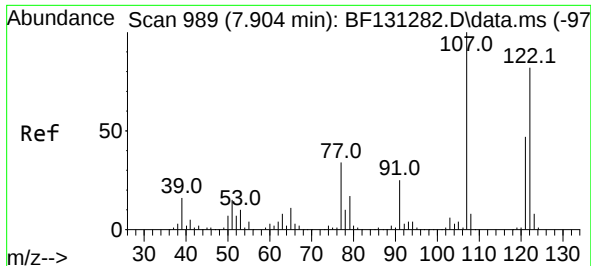
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#26
2-Nitrophenol
Concen: 3.658 ng
RT: 7.869 min Scan# 983
Delta R.T. -0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

Tgt Ion:139 Resp: 6220
Ion Ratio Lower Upper
139 100
109 37.4 30.4 45.6
65 76.4 51.5 77.3





#27

2,4-Dimethylphenol

Concen: 4.345 ng m

RT: 7.898 min Scan# 98

Delta R.T. -0.006 min

Lab File: BF131295.D

Acq: 18 Nov 2022 12:35

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

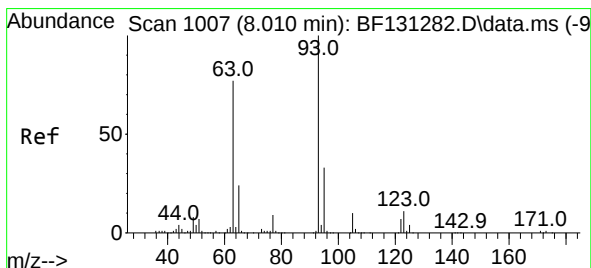
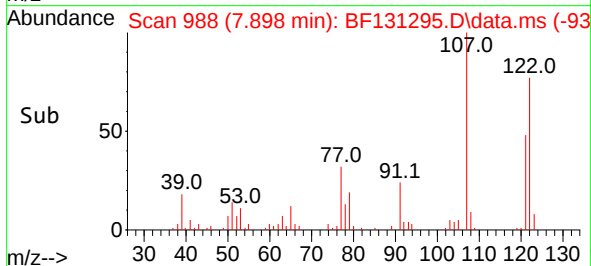
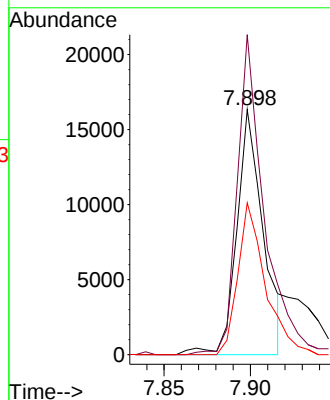
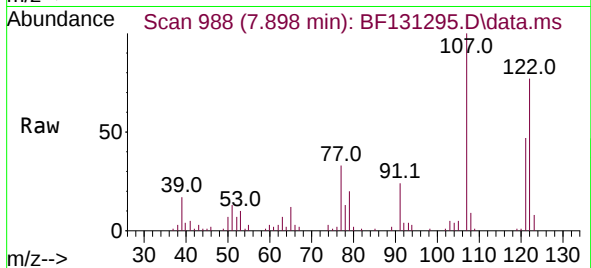
Tgt Ion:122	Resp:	17300
Ion Ratio	Lower	Upper
122	100	
107	130.6	98.2 147.2
121	62.0	46.3 69.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#28

bis(2-Chloroethoxy)methane

Concen: 4.995 ng

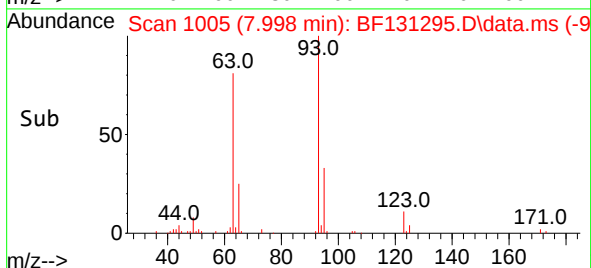
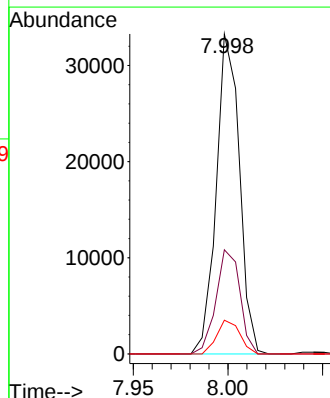
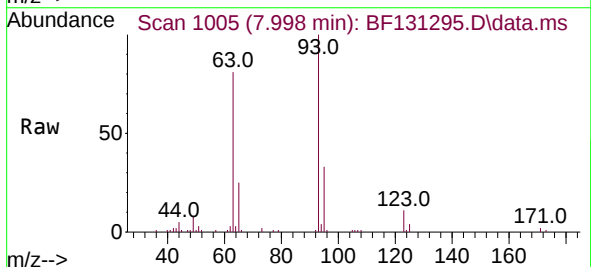
RT: 7.998 min Scan# 1005

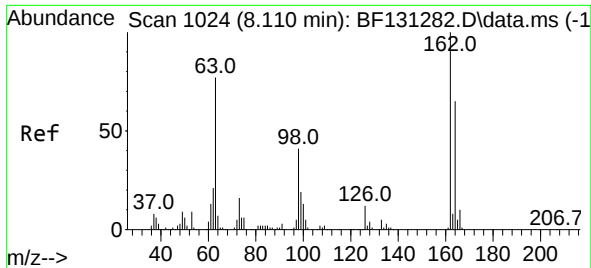
Delta R.T. -0.012 min

Lab File: BF131295.D

Acq: 18 Nov 2022 12:35

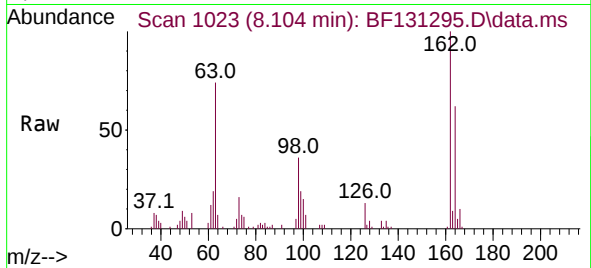
Tgt Ion: 93	Resp:	28249
Ion Ratio	Lower	Upper
93	100	
95	32.5	26.4 39.6
123	10.5	9.3 13.9





#29
2,4-Dichlorophenol
Concen: 4.248 ng
RT: 8.104 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

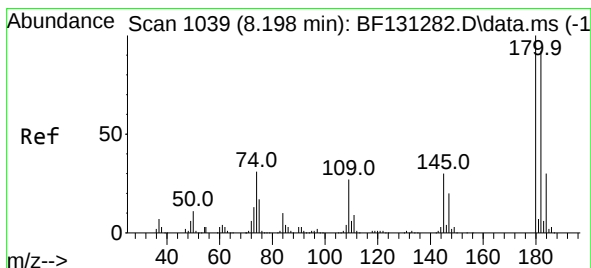
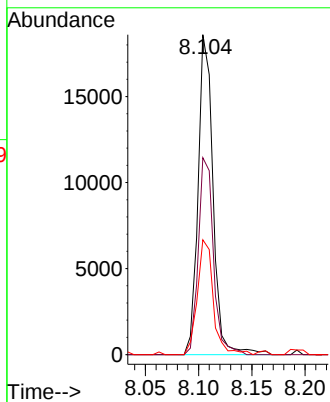
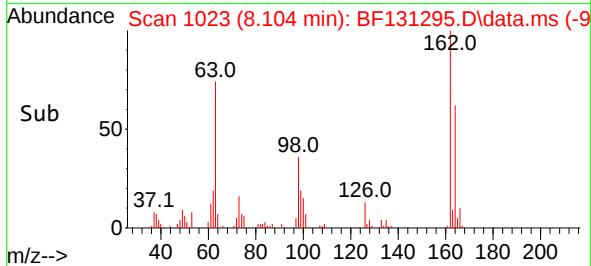
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:162 Resp: 1811
Ion Ratio Lower Upper
162 100
164 61.5 44.7 84.7
98 35.9 21.5 61.5

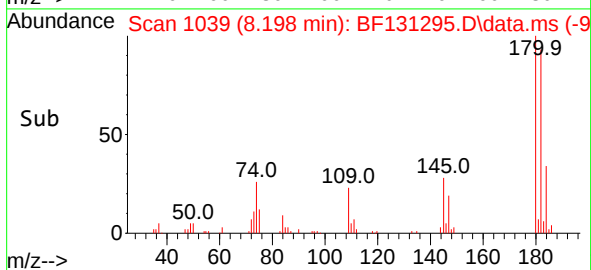
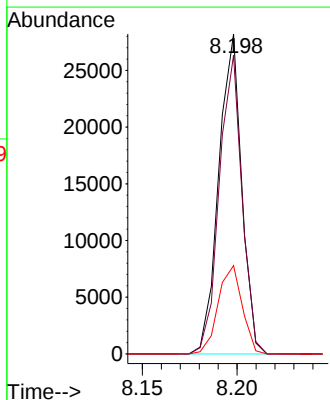
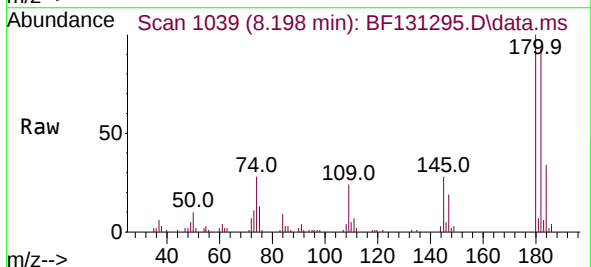
Manual Integrations
APPROVED

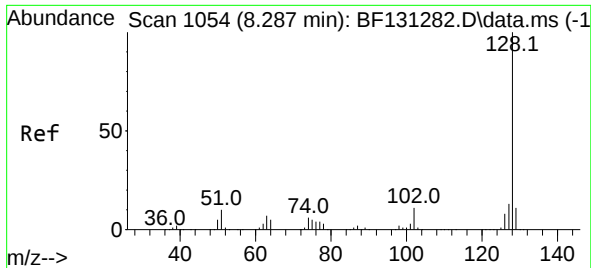
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#30
1,2,4-Trichlorobenzene
Concen: 4.483 ng
RT: 8.198 min Scan# 1039
Delta R.T. 0.000 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

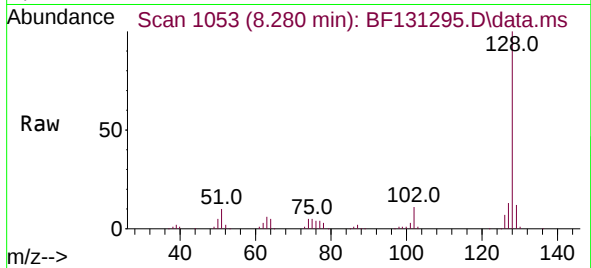
Tgt Ion:180 Resp: 23730
Ion Ratio Lower Upper
180 100
182 93.4 74.0 111.0
145 27.6 23.8 35.6





#31
Naphthalene
Concen: 4.565 ng
RT: 8.280 min Scan# 1054
Delta R.T. -0.007 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

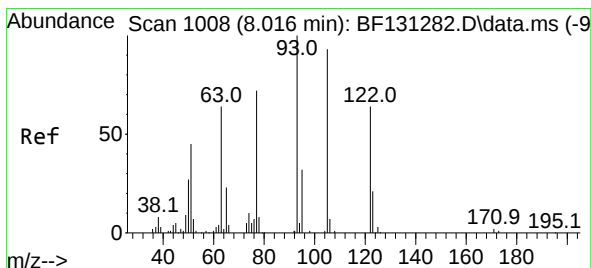
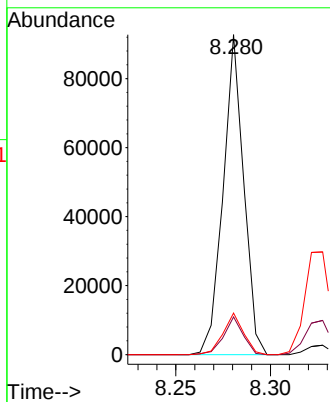
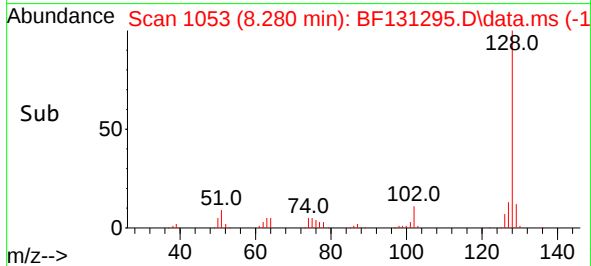
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:128 Resp: 70134
Ion Ratio Lower Upper
128 100
129 11.8 8.6 13.0
127 13.0 10.6 16.0

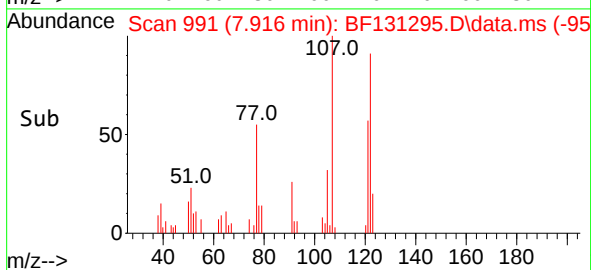
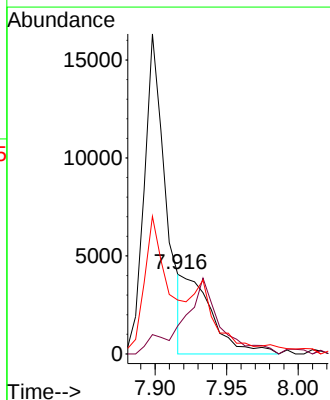
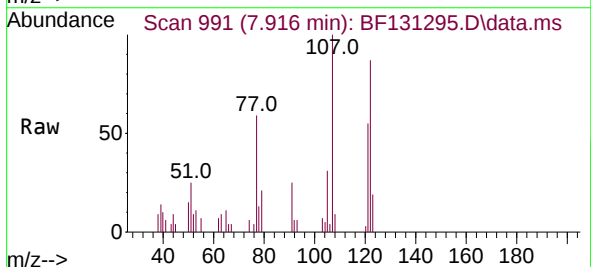
Manual Integrations
APPROVED

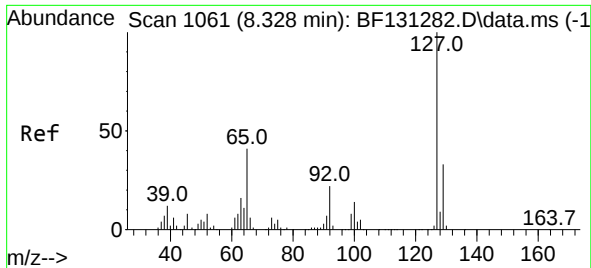
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#32
Benzoic acid
Concen: 2.425 ng m
RT: 7.916 min Scan# 991
Delta R.T. -0.100 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

Tgt Ion:122 Resp: 5775
Ion Ratio Lower Upper
122 100
105 35.1 121.4 161.4#
77 67.6 91.2 131.2#





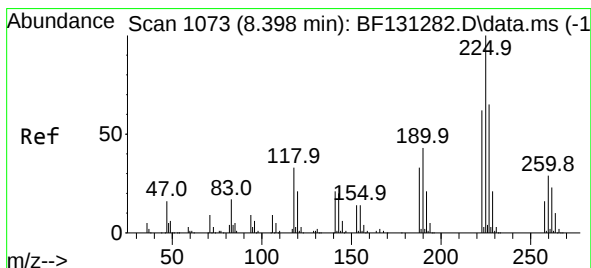
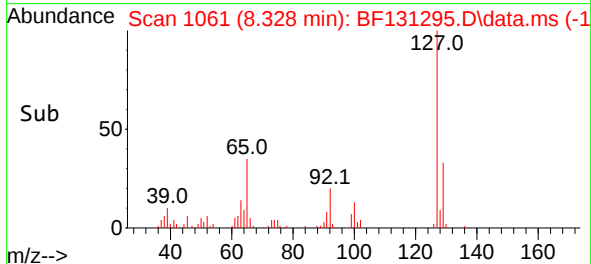
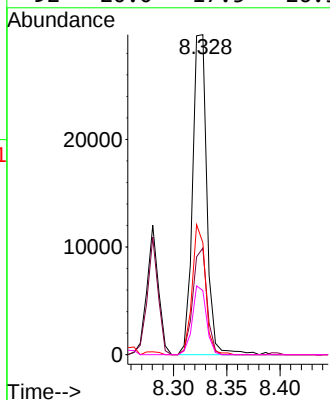
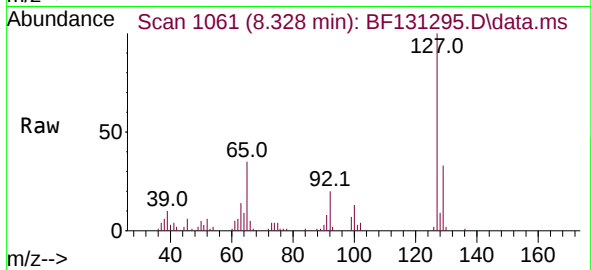
#33
4-Chloroaniline
Concen: 4.669 ng
RT: 8.328 min Scan# 1061
Delta R.T. -0.000 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

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

Tgt Ion:127	Resp: 2786
Ion Ratio	Lower Upper
127 100	
129 33.3	26.6 40.0
65 35.0	33.2 49.8
92 20.0	17.5 26.3

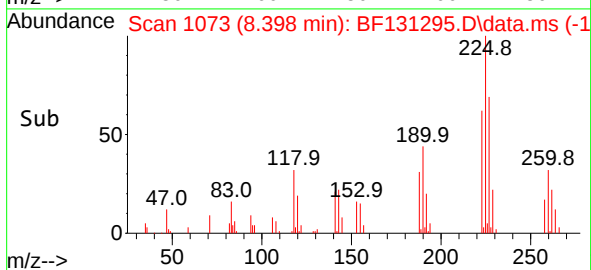
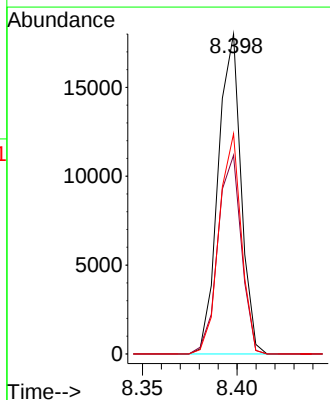
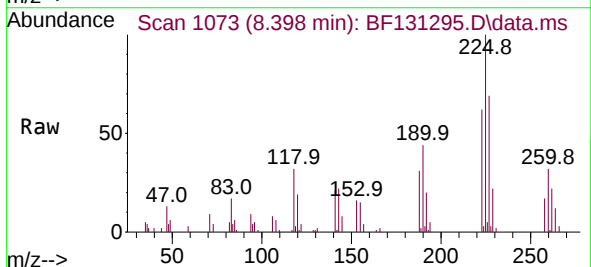
Manual Integrations
APPROVED

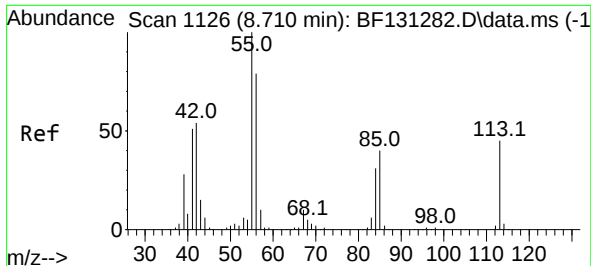
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#34
Hexachlorobutadiene
Concen: 4.304 ng
RT: 8.398 min Scan# 1073
Delta R.T. -0.000 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

Tgt Ion:225	Resp: 15057
Ion Ratio	Lower Upper
225 100	
223 62.1	49.4 74.2
227 68.8	51.7 77.5





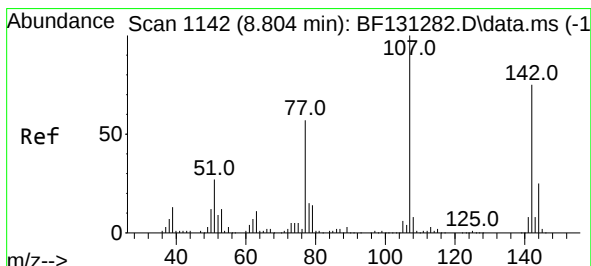
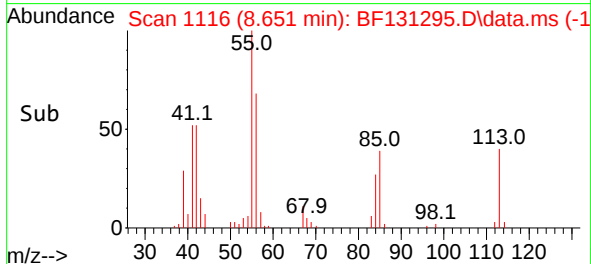
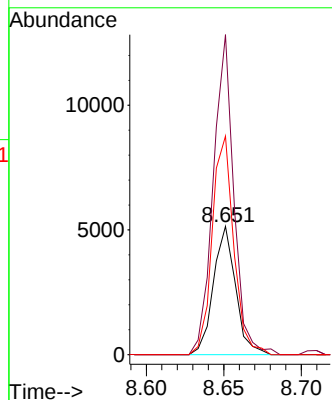
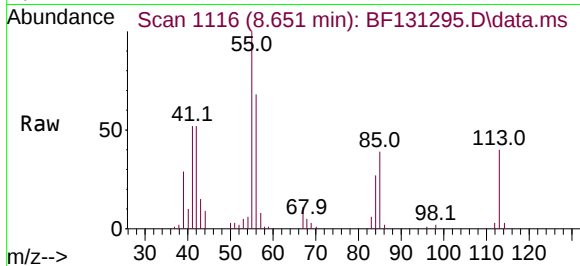
#35
Caprolactam
Concen: 4.322 ng
RT: 8.651 min Scan# 1116
Delta R.T. -0.059 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

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

Tgt Ion:113 Resp: 5130
Ion Ratio Lower Upper
113 100
55 249.4 200.6 240.6
56 170.2 154.5 194.5

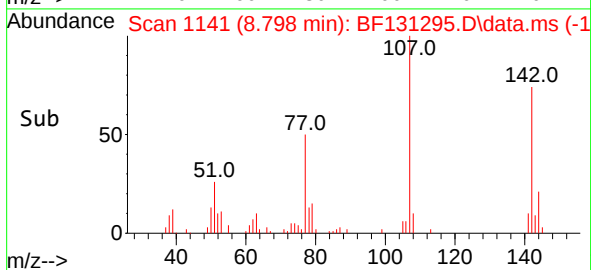
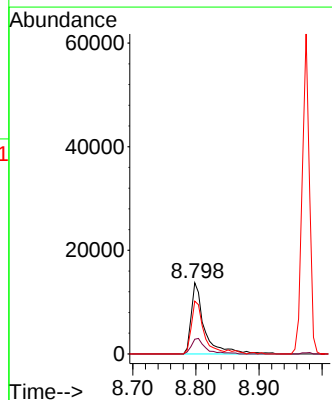
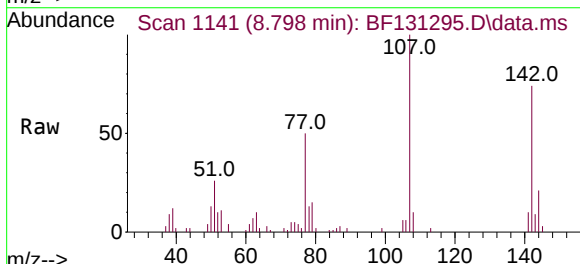
Manual Integrations
APPROVED

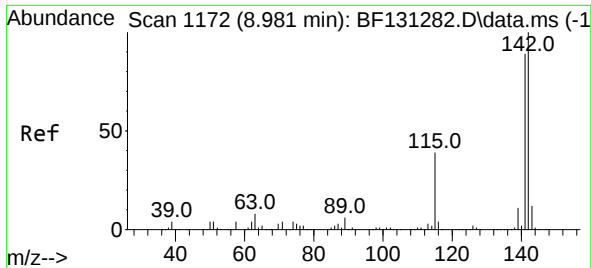
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#36
4-Chloro-3-methylphenol
Concen: 4.346 ng
RT: 8.798 min Scan# 1141
Delta R.T. -0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

Tgt Ion:107 Resp: 19971
Ion Ratio Lower Upper
107 100
144 20.7 19.6 29.4
142 74.3 60.1 90.1





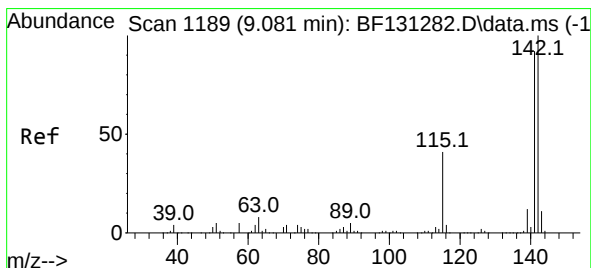
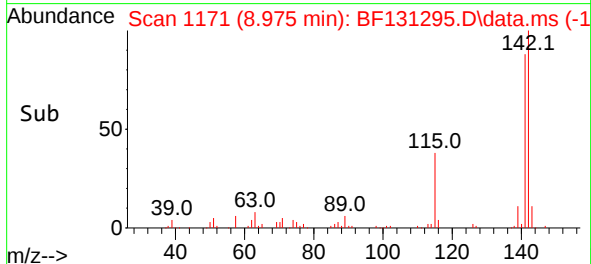
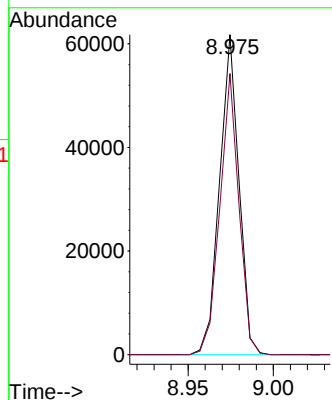
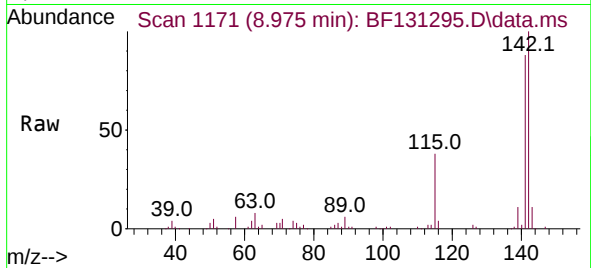
#37
2-Methylnaphthalene
Concen: 4.697 ng
RT: 8.975 min Scan# 1171
Delta R.T. -0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

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

Tgt Ion:142 Resp: 48632
Ion Ratio Lower Upper
142 100
141 87.8 71.4 107.2

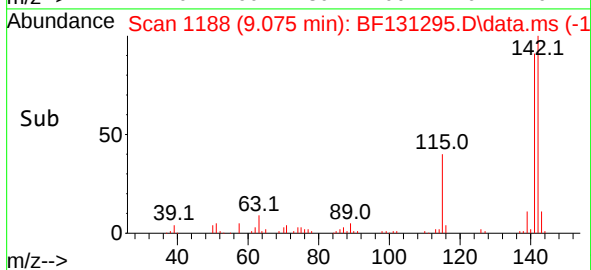
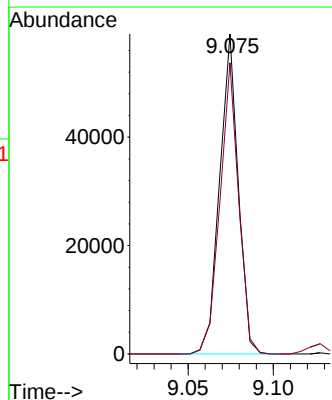
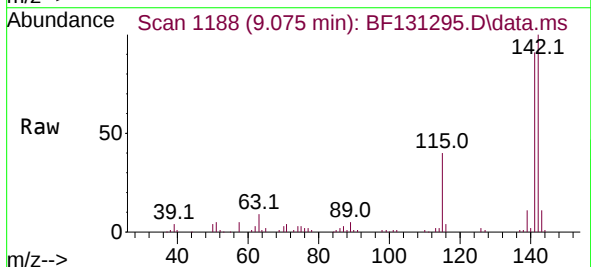
Manual Integrations
APPROVED

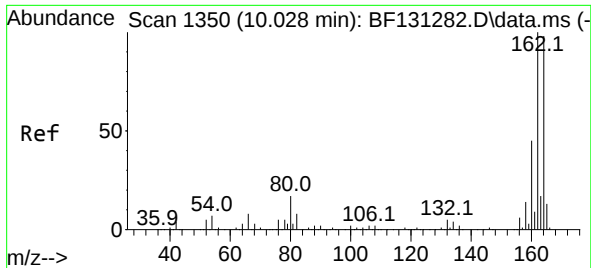
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#38
1-Methylnaphthalene
Concen: 4.462 ng
RT: 9.075 min Scan# 1188
Delta R.T. -0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

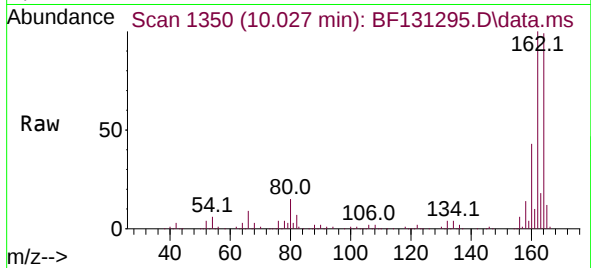
Tgt Ion:142 Resp: 44769
Ion Ratio Lower Upper
142 100
141 91.0 74.0 111.0





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.027 min Scan# 1199
Delta R.T. -0.001 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

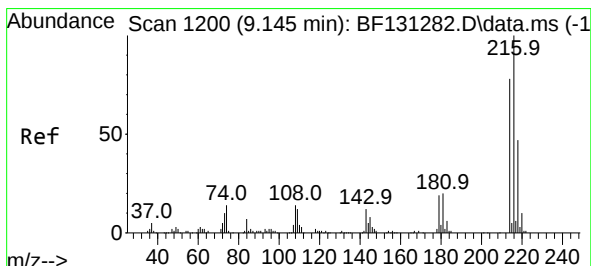
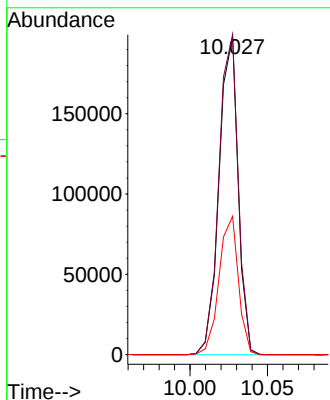
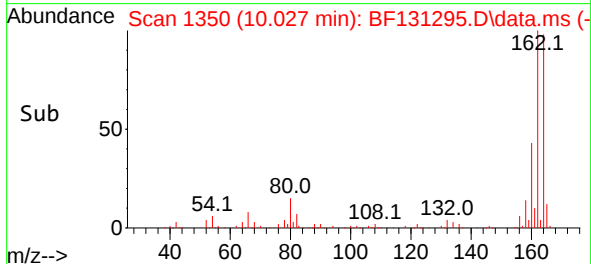
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2022



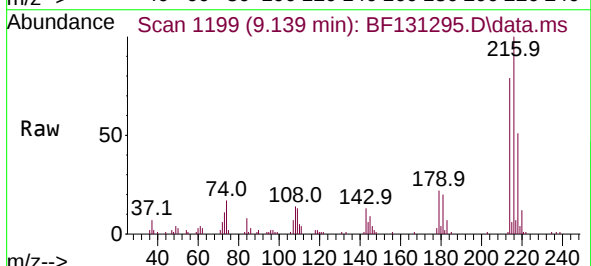
Tgt Ion:164 Resp: 169644
Ion Ratio Lower Upper
164 100
162 100.5 81.8 122.6
160 43.5 36.6 54.8

Manual Integrations
APPROVED

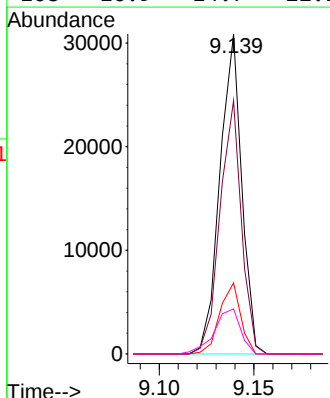
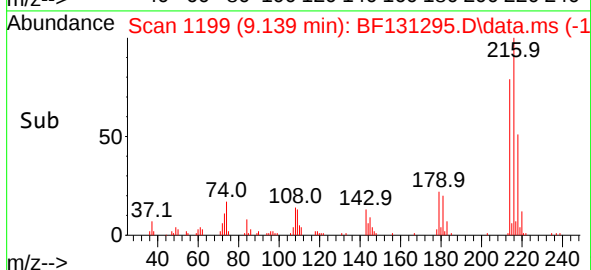
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

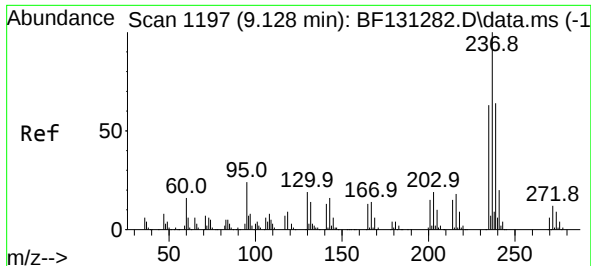


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.452 ng
RT: 9.139 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35



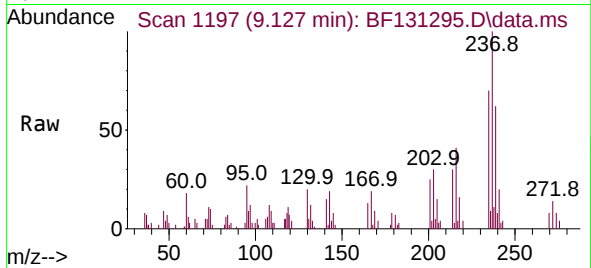
Tgt Ion:216 Resp: 24711
Ion Ratio Lower Upper
216 100
214 77.6 62.5 93.7
179 21.2 16.7 25.1
108 16.9 14.7 22.1





#41
Hexachlorocyclopentadiene
Concen: 4.139 ng
RT: 9.127 min Scan# 1197
Delta R.T. -0.001 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

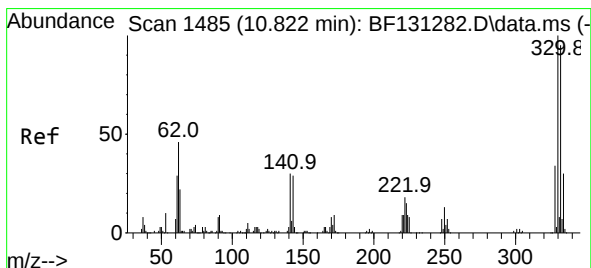
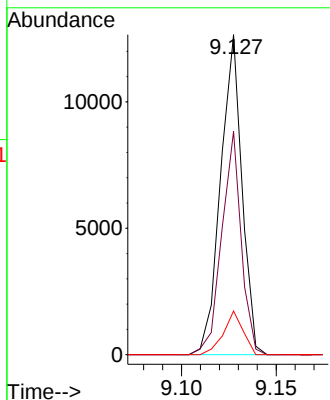
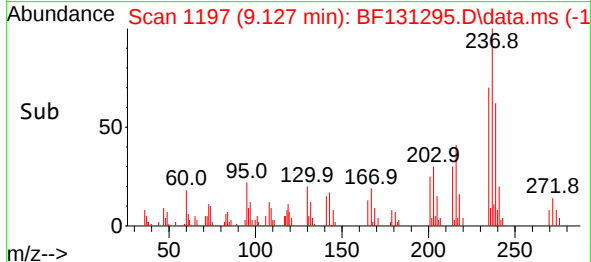
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



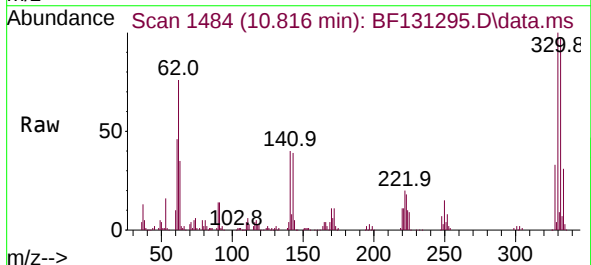
Tgt Ion:237 Resp: 9938
Ion Ratio Lower Upper
237 100
235 69.8 42.7 82.7
272 13.6 0.0 31.6

Manual Integrations
APPROVED

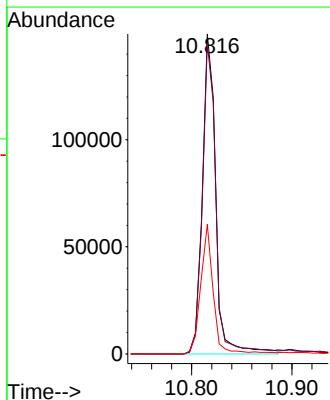
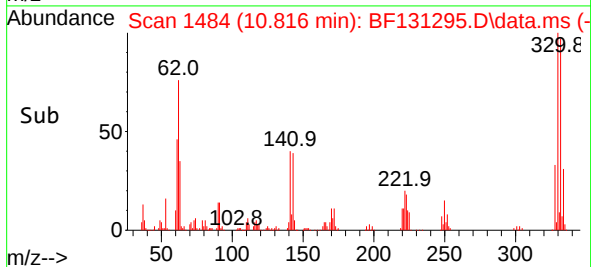
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

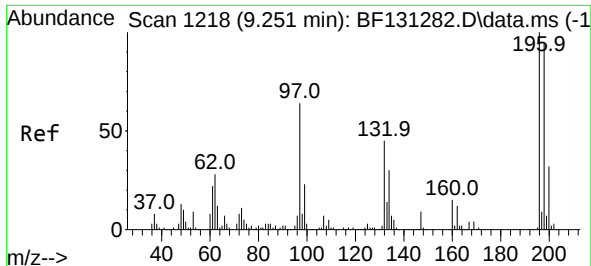


#42
2,4,6-Tribromophenol
Concen: 91.332 ng
RT: 10.816 min Scan# 1484
Delta R.T. -0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35



Tgt Ion:330 Resp: 137926
Ion Ratio Lower Upper
330 100
332 97.5 75.4 113.0
141 38.1 30.0 45.0





#43

2,4,6-Trichlorophenol

Concen: 2.978 ng

RT: 9.245 min Scan# 1217

Delta R.T. -0.006 min

Lab File: BF131295.D

Acq: 18 Nov 2022 12:35

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

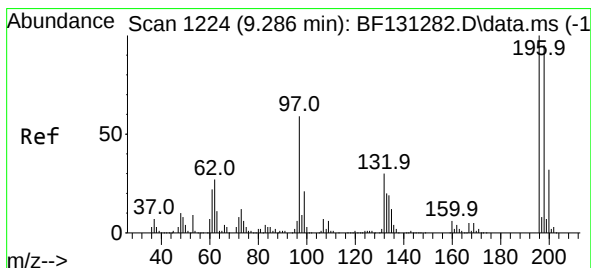
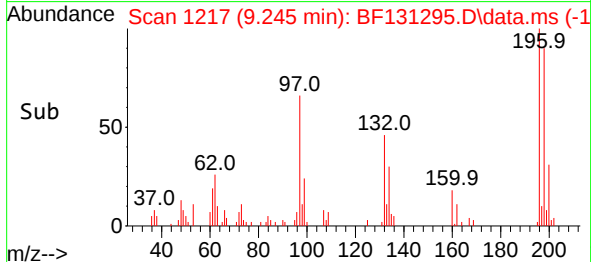
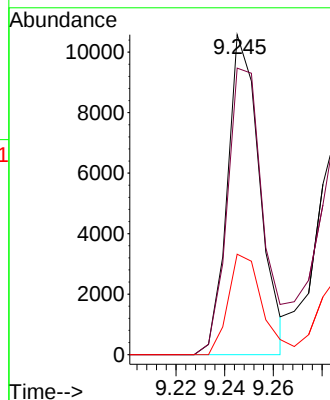
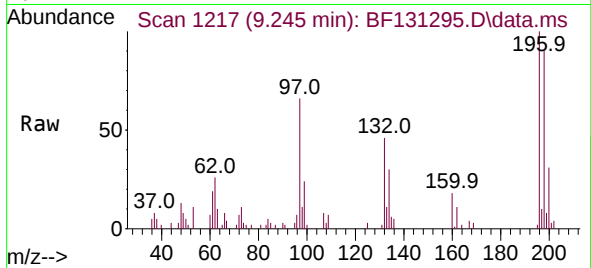
Tgt Ion:196	Resp:	982	
Ion Ratio	Lower	Upper	
196	100		
198	89.5	74.8	112.2
200	31.4	25.7	38.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#44

2,4,5-Trichlorophenol

Concen: 4.032 ng

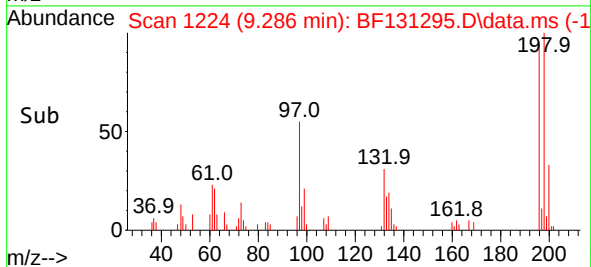
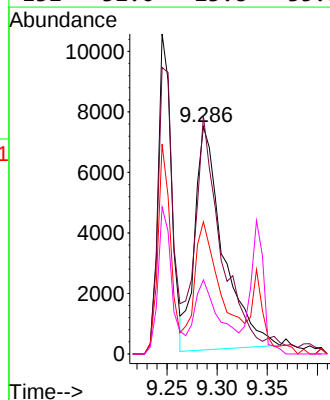
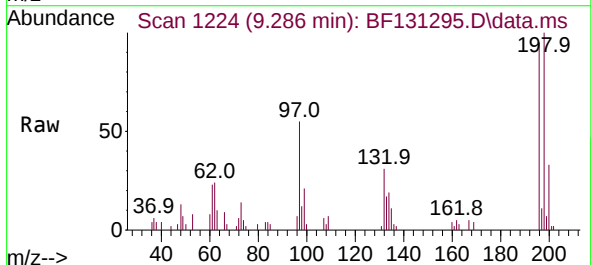
RT: 9.286 min Scan# 1224

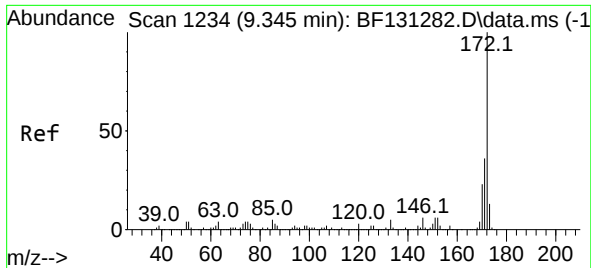
Delta R.T. -0.000 min

Lab File: BF131295.D

Acq: 18 Nov 2022 12:35

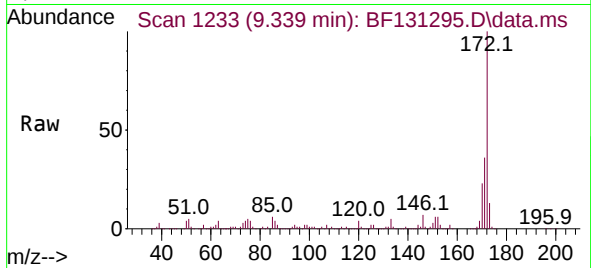
Tgt Ion:196	Resp:	14498	
Ion Ratio	Lower	Upper	
196	100		
198	104.8	75.6	113.4
97	58.2	47.4	71.0
132	32.6	23.8	35.8





#45
2-Fluorobiphenyl
Concen: 65.490 ng
RT: 9.339 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

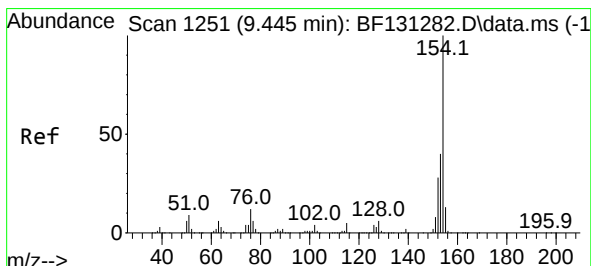
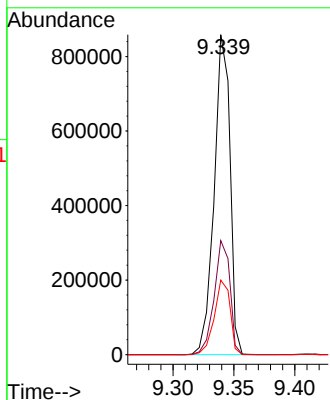
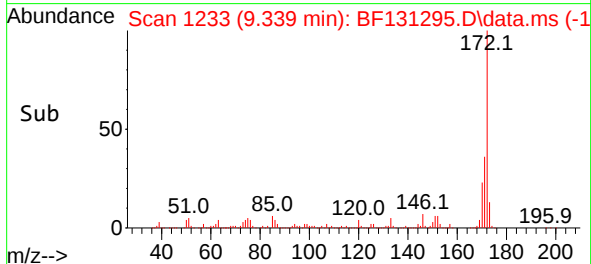
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



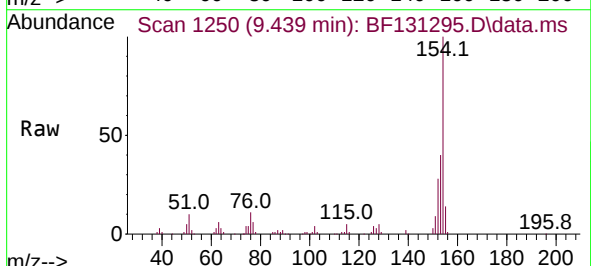
Tgt Ion:172 Resp: 777875
Ion Ratio Lower Upper
172 100
171 35.6 28.5 42.7
170 23.3 18.5 27.7

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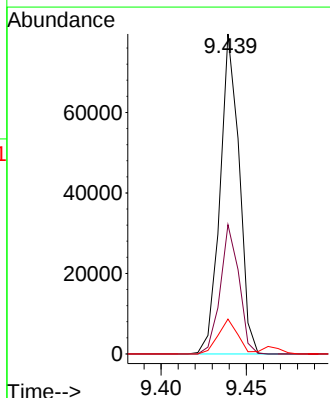
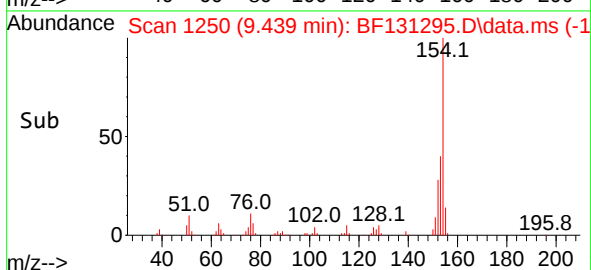
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

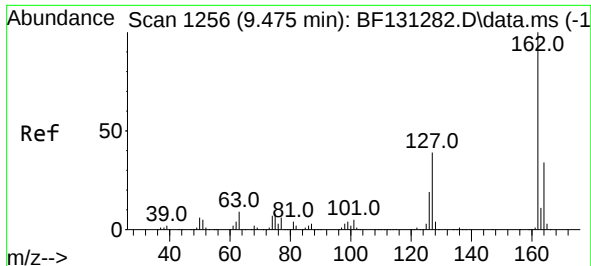


#46
1,1'-Biphenyl
Concen: 4.733 ng
RT: 9.439 min Scan# 1250
Delta R.T. -0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35



Tgt Ion:154 Resp: 61996
Ion Ratio Lower Upper
154 100
153 40.4 20.1 60.1
76 10.9 0.0 31.8





#47

2-Chloronaphthalene

Concen: 4.595 ng

RT: 9.469 min Scan# 1255

Delta R.T. -0.006 min

Lab File: BF131295.D

Acq: 18 Nov 2022 12:35

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

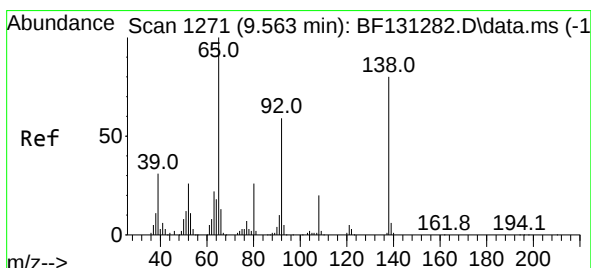
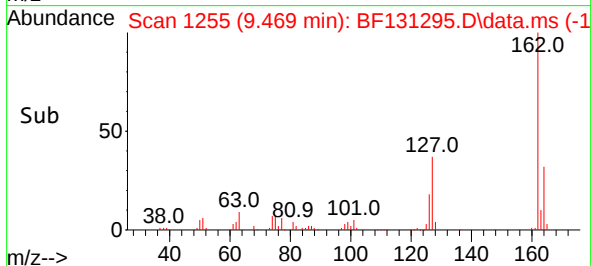
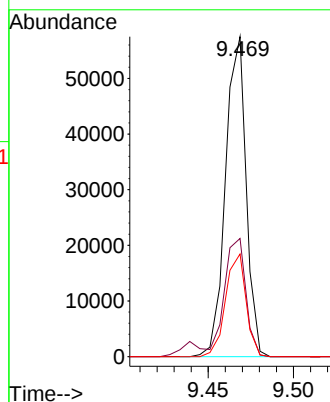
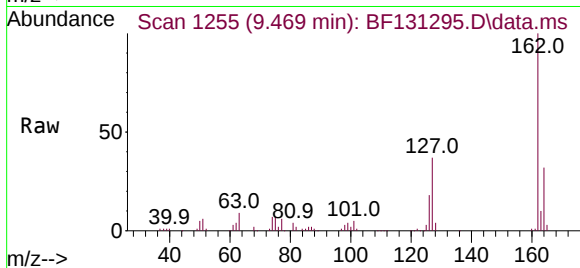
Tgt Ion:162	Resp:	4833
Ion Ratio	Lower	Upper
162	100	
127	36.9	31.1 46.7
164	32.1	26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#48

2-Nitroaniline

Concen: 3.509 ng

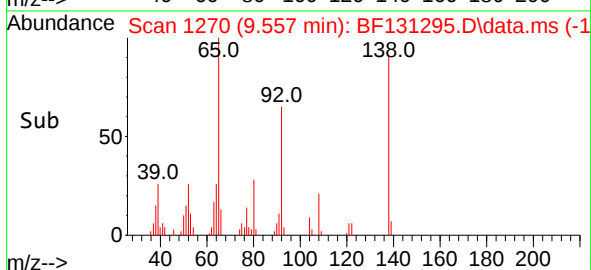
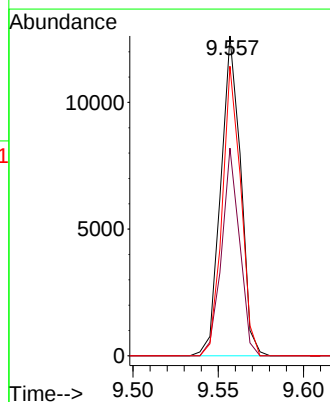
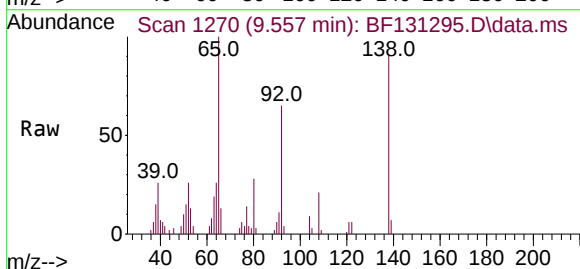
RT: 9.557 min Scan# 1270

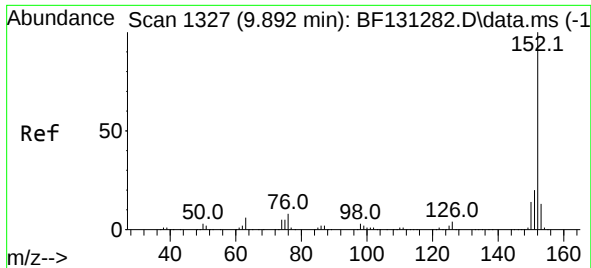
Delta R.T. -0.006 min

Lab File: BF131295.D

Acq: 18 Nov 2022 12:35

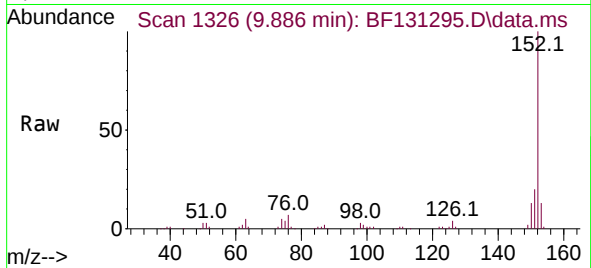
Tgt Ion: 65	Resp:	10201
Ion Ratio	Lower	Upper
65	100	
92	64.9	47.2 70.8
138	90.5	64.2 96.4





#49
Acenaphthylene
Concen: 4.472 ng
RT: 9.886 min Scan# 1326
Delta R.T. -0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

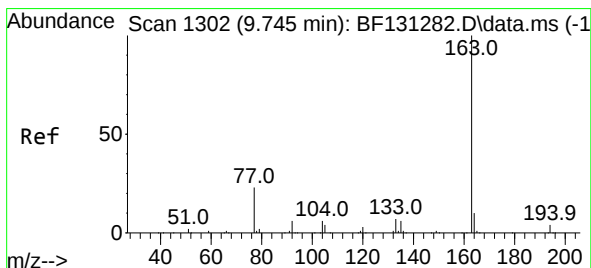
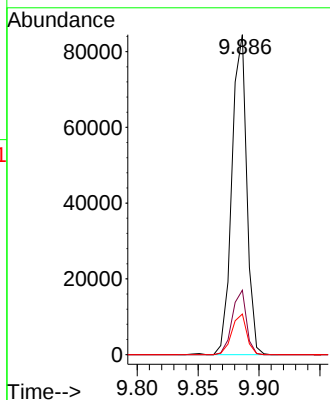
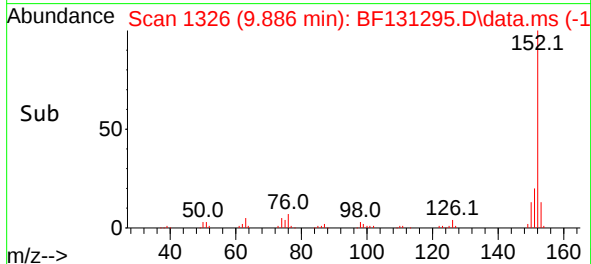
Instrument : BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



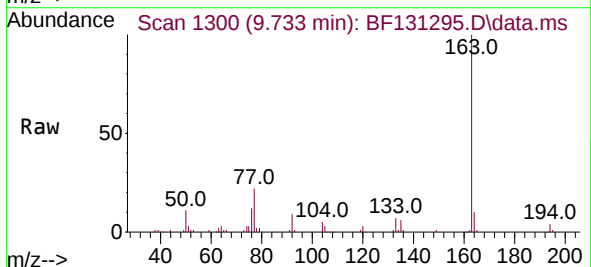
Tgt Ion:152 Resp: 7185
Ion Ratio Lower Upper
152 100
151 20.1 15.9 23.9
153 12.7 10.4 15.6

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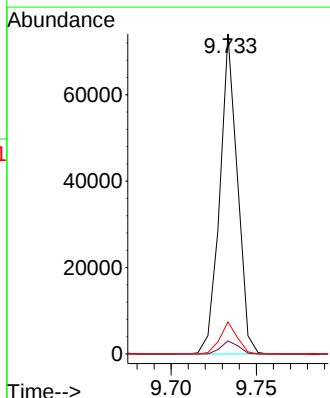
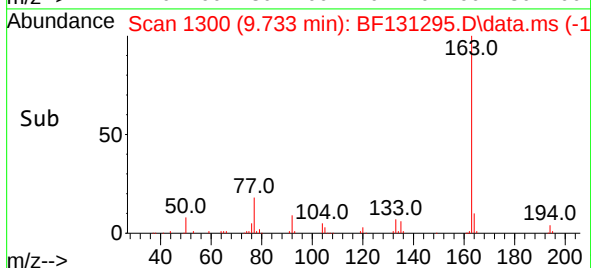
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

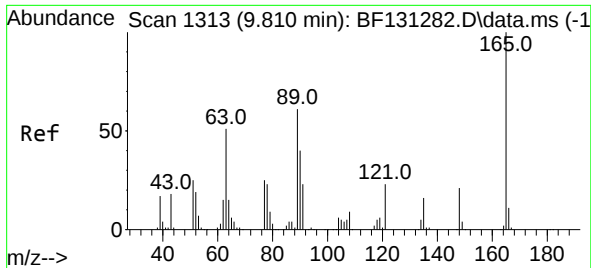


#50
Dimethylphthalate
Concen: 4.324 ng
RT: 9.733 min Scan# 1300
Delta R.T. -0.012 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35



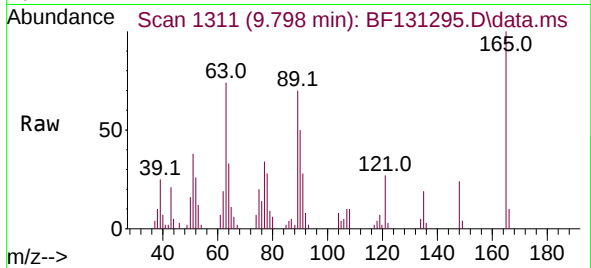
Tgt Ion:163 Resp: 53121
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 10.0 8.4 12.6





#51
2,6-Dinitrotoluene
Concen: 3.799 ng
RT: 9.798 min Scan# 1311
Delta R.T. -0.012 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

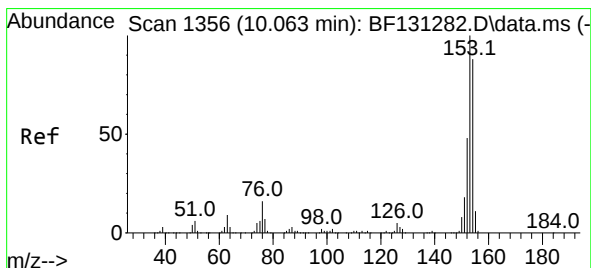
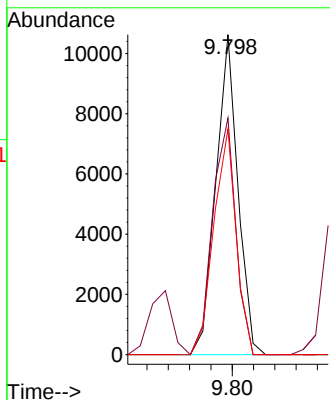
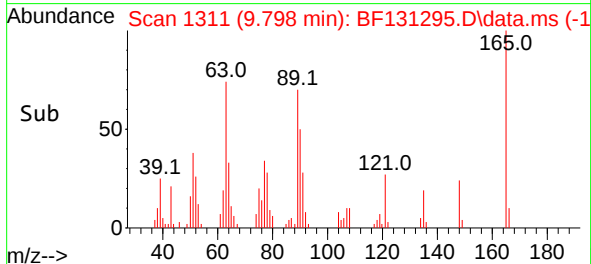
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



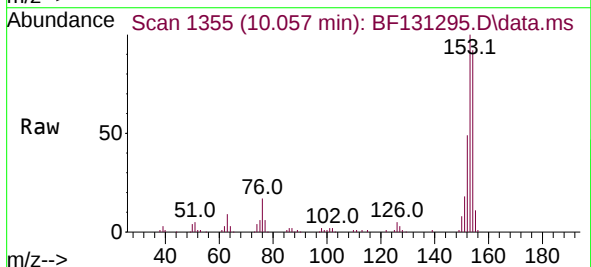
Tgt Ion:165 Resp: 7665
Ion Ratio Lower Upper
165 100
63 73.9 53.3 79.9
89 70.5 49.4 74.0

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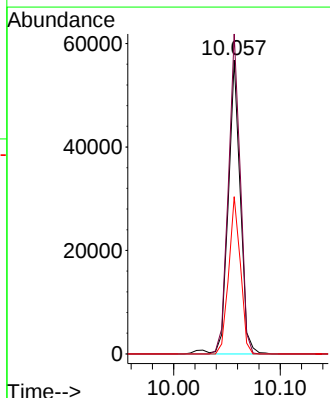
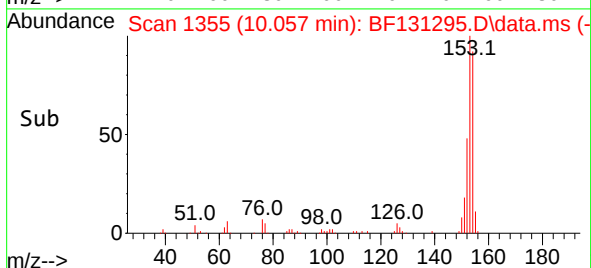
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

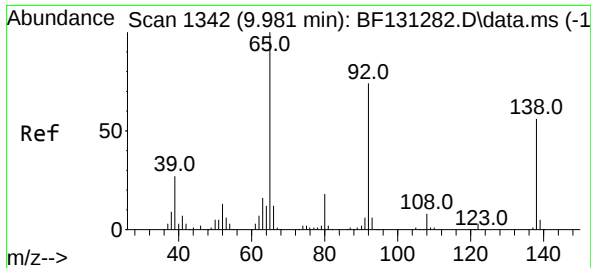


#52
Acenaphthene
Concen: 4.471 ng
RT: 10.057 min Scan# 1355
Delta R.T. -0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35



Tgt Ion:154 Resp: 44819
Ion Ratio Lower Upper
154 100
153 108.9 90.7 136.1
152 53.5 43.1 64.7





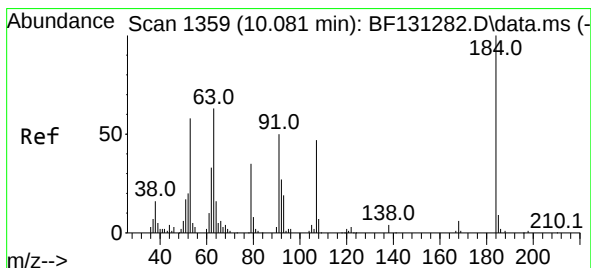
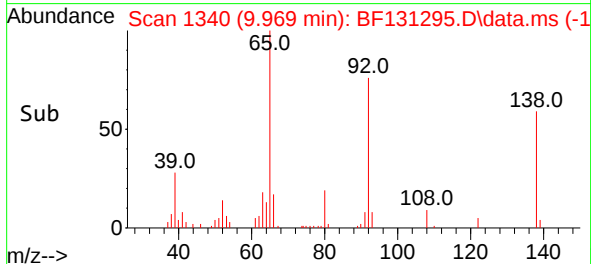
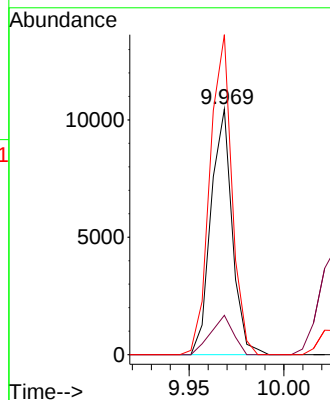
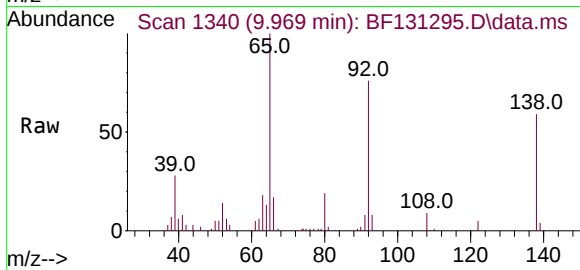
#53
3-Nitroaniline
Concen: 3.830 ng
RT: 9.969 min Scan# 1342
Delta R.T. -0.012 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

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

Tgt Ion:138 Resp: 8178
Ion Ratio Lower Upper
138 100
108 16.0 11.1 16.7
92 130.3 105.4 158.2

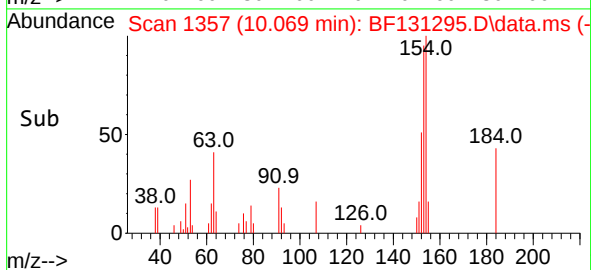
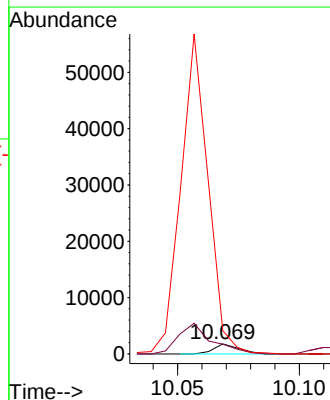
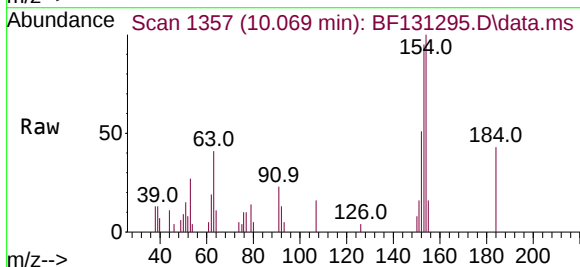
Manual Integrations
APPROVED

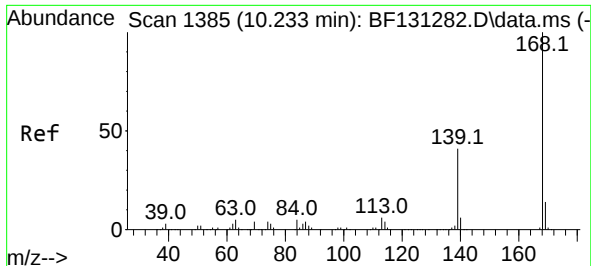
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#54
2,4-Dinitrophenol
Concen: 1.797 ng
RT: 10.069 min Scan# 1357
Delta R.T. -0.012 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

Tgt Ion:184 Resp: 1277
Ion Ratio Lower Upper
184 100
63 95.9 64.8 97.2
154 232.8 58.0 87.0#





#55

Dibenzofuran

Concen: 4.696 ng

RT: 10.227 min Scan# 1384

Delta R.T. -0.006 min

Lab File: BF131295.D

Acq: 18 Nov 2022 12:35

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022

Tgt Ion:168 Resp: 68266

Ion Ratio Lower Upper

168 100

139 38.6 33.2 49.8

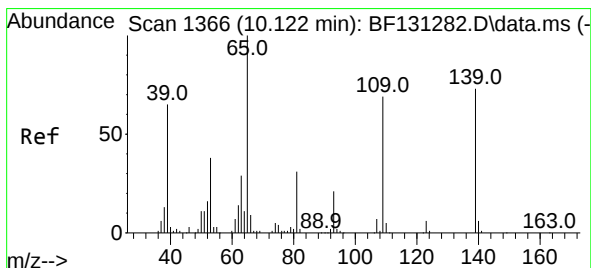
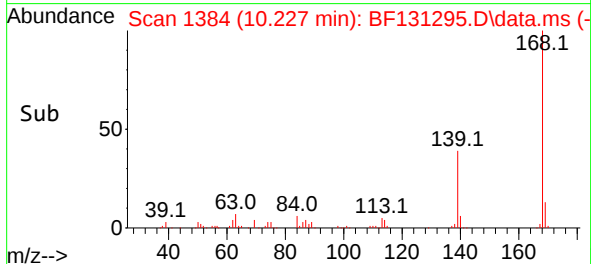
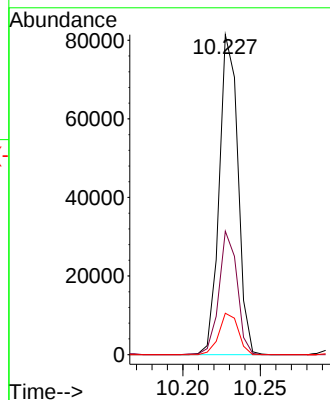
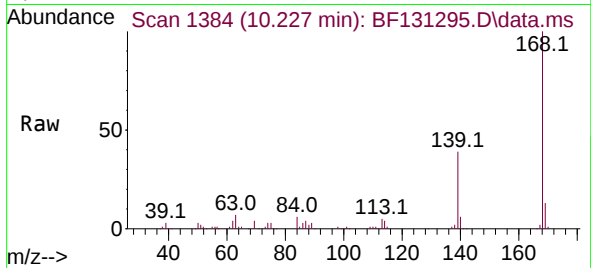
169 12.9 11.0 16.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#56

4-Nitrophenol

Concen: 2.502 ng

RT: 10.110 min Scan# 1364

Delta R.T. -0.012 min

Lab File: BF131295.D

Acq: 18 Nov 2022 12:35

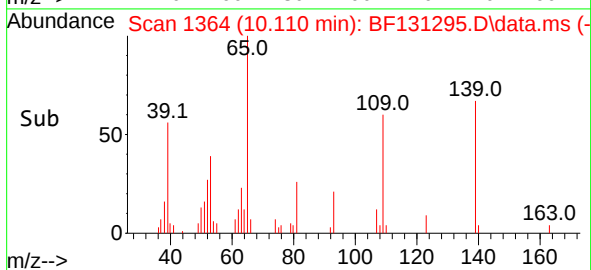
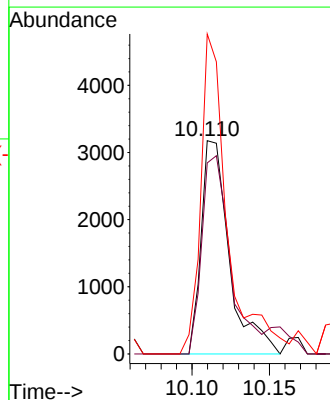
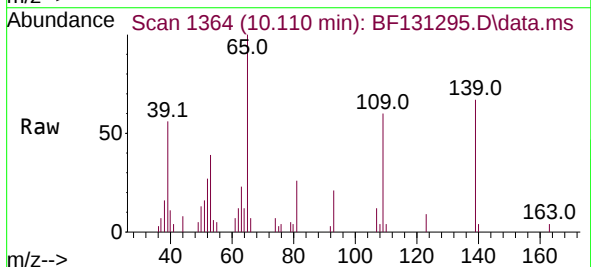
Tgt Ion:139 Resp: 4021

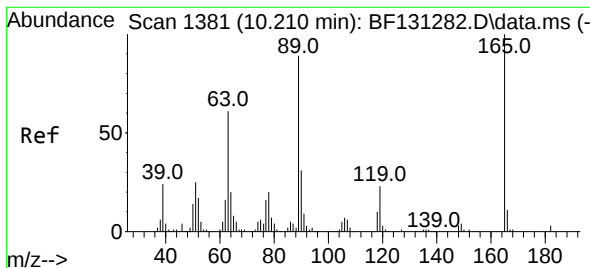
Ion Ratio Lower Upper

139 100

109 89.6 74.2 114.2

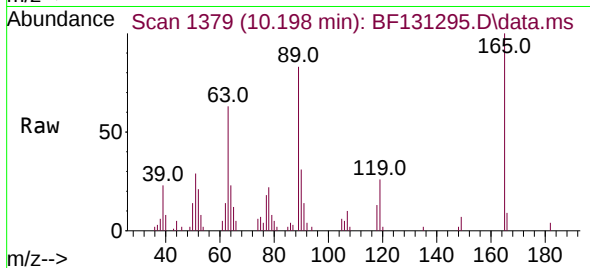
65 150.1 116.8 156.8





#57
2,4-Dinitrotoluene
Concen: 3.400 ng
RT: 10.198 min Scan# 1381
Delta R.T. -0.012 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

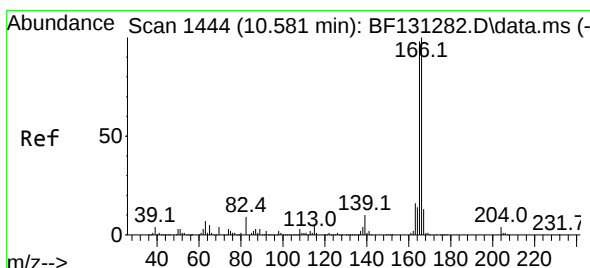
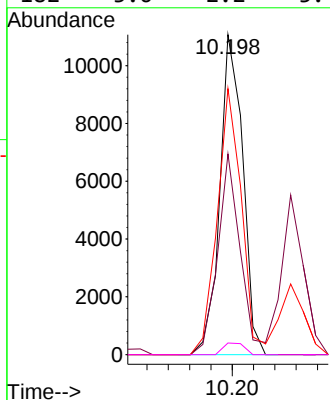
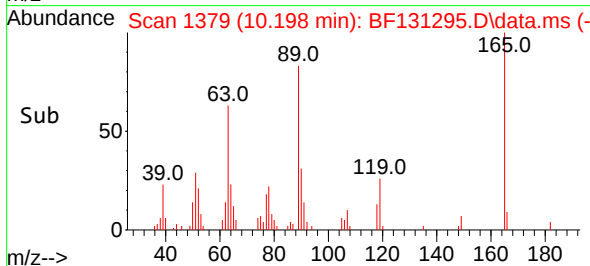
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2022



Tgt Ion:165 Resp: 8296
Ion Ratio Lower Upper
165 100
63 62.7 49.0 73.6
89 83.1 71.1 106.7
182 3.6 2.2 3.4#

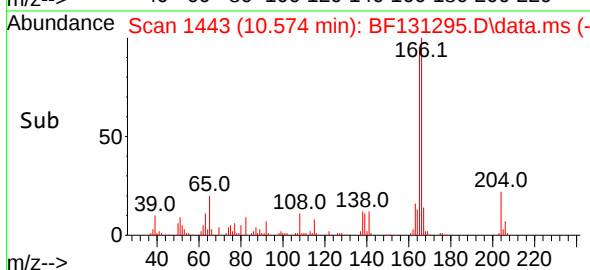
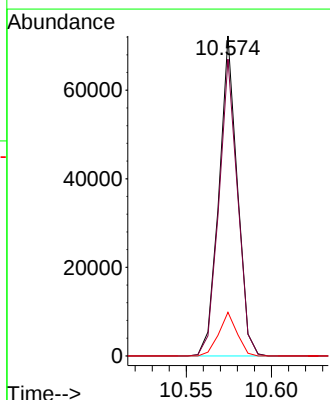
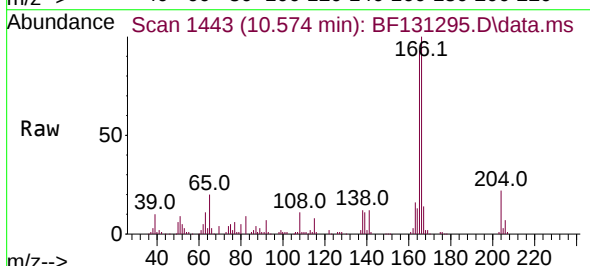
Manual Integrations
APPROVED

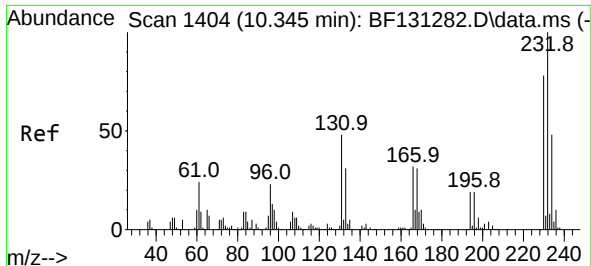
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#58
Fluorene
Concen: 4.666 ng
RT: 10.574 min Scan# 1443
Delta R.T. -0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

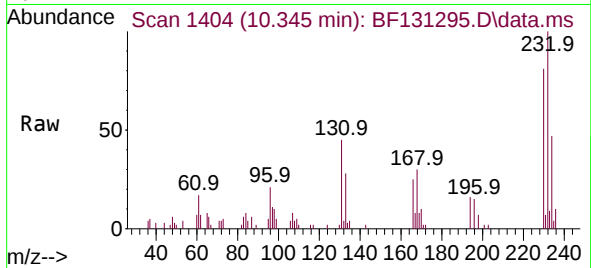
Tgt Ion:166 Resp: 53864
Ion Ratio Lower Upper
166 100
165 92.7 78.2 117.2
167 13.6 10.6 15.8





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.725 ng m
RT: 10.345 min Scan# 1404
Delta R.T. -0.000 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

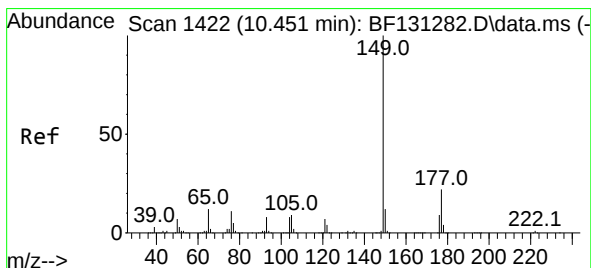
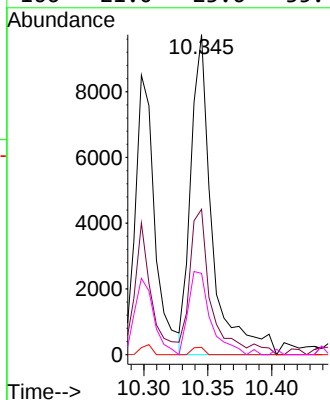
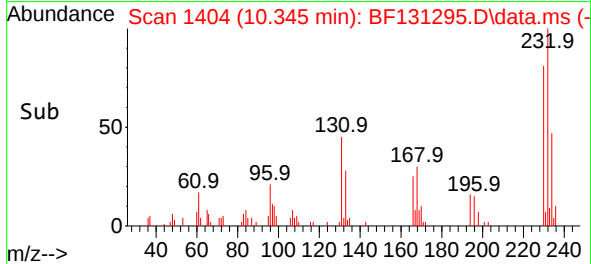
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:232 Resp: 11344
Ion Ratio Lower Upper
232 100
131 32.3 36.0 54.0
130 1.6 1.8 2.6
166 21.0 23.6 35.4

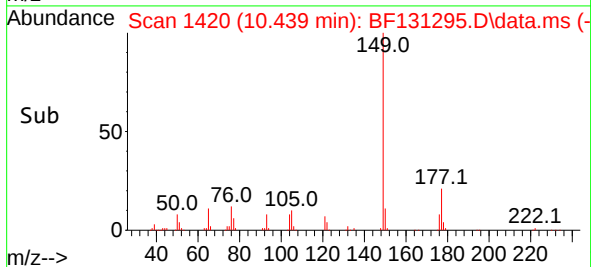
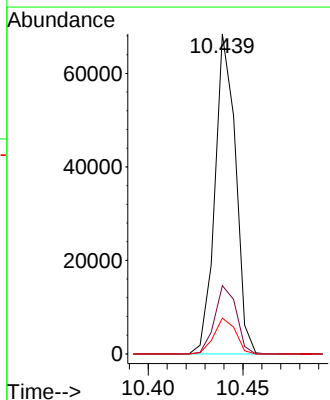
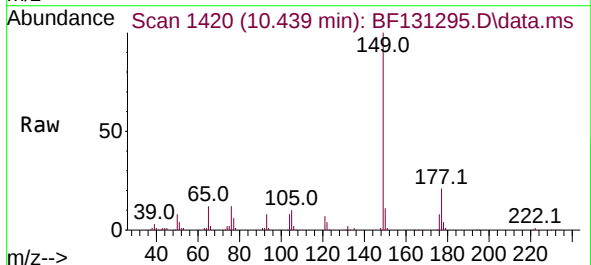
Manual Integrations
APPROVED

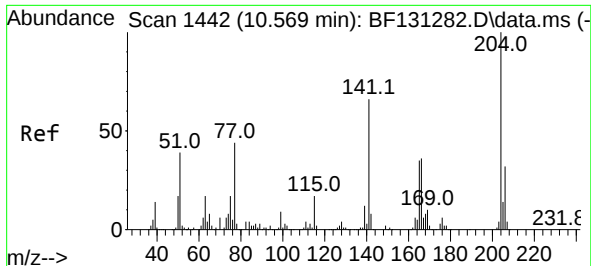
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#60
Diethylphthalate
Concen: 4.415 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.012 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

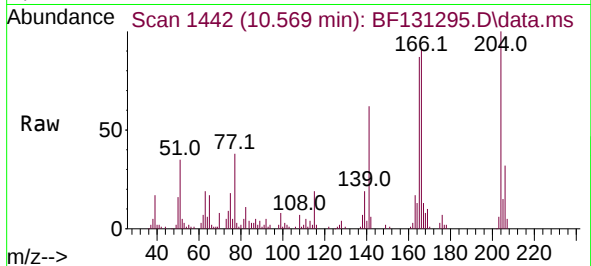
Tgt Ion:149 Resp: 51740
Ion Ratio Lower Upper
149 100
177 21.4 17.9 26.9
150 11.2 9.8 14.6





#61
4-Chlorophenyl-phenylether
Concen: 4.684 ng
RT: 10.569 min Scan# 1442
Delta R.T. -0.000 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

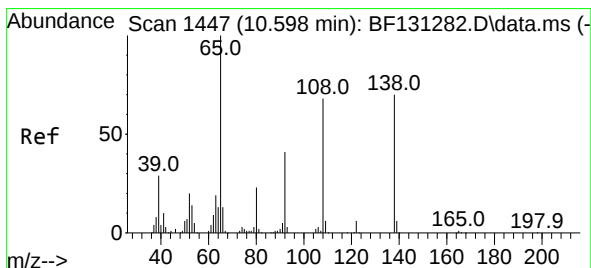
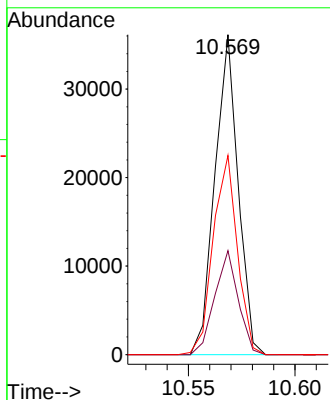
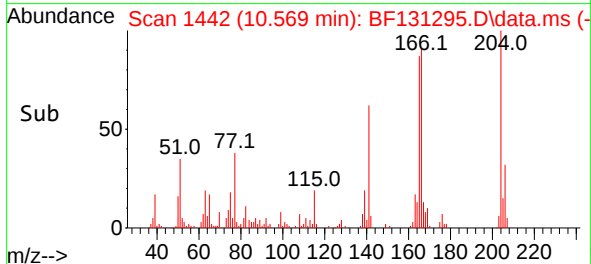
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion:204 Resp: 27414
Ion Ratio Lower Upper
204 100
206 32.5 25.7 38.5
141 62.2 53.1 79.7

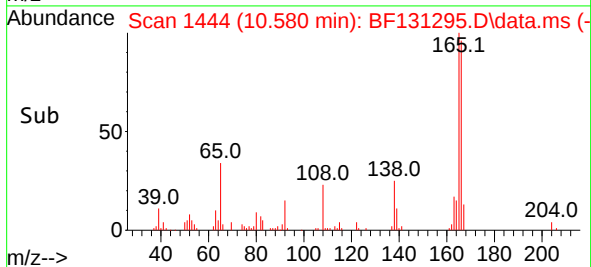
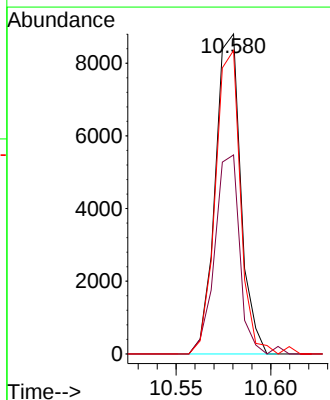
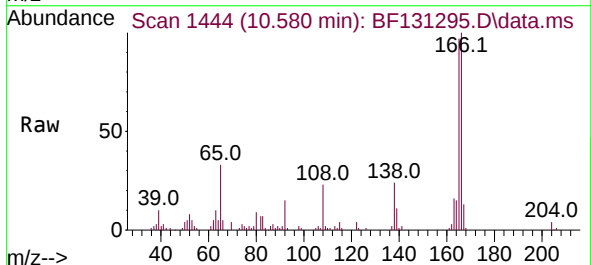
Manual Integrations
APPROVED

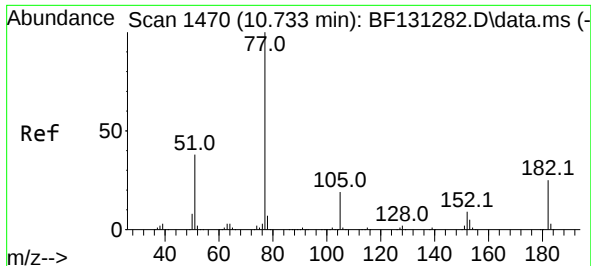
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#62
4-Nitroaniline
Concen: 3.795 ng
RT: 10.580 min Scan# 1444
Delta R.T. -0.018 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

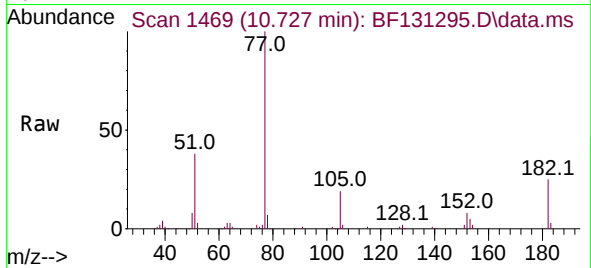
Tgt Ion:138 Resp: 8234
Ion Ratio Lower Upper
138 100
92 62.2 37.5 77.5
108 94.8 76.3 116.3





#63
Azobenzene
Concen: 4.370 ng
RT: 10.727 min Scan# 1470
Delta R.T. -0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

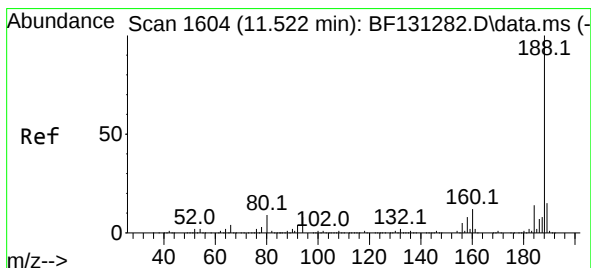
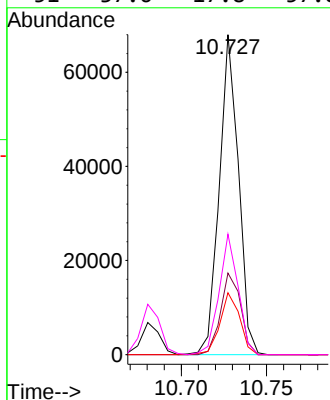
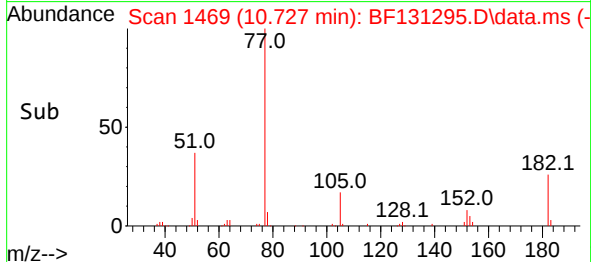
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2022



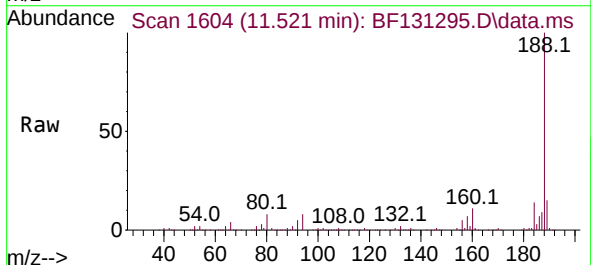
Tgt Ion: 77 Resp: 53195
Ion Ratio Lower Upper
77 100
182 25.5 5.0 45.0
105 19.3 0.0 39.5
51 37.6 17.8 57.8

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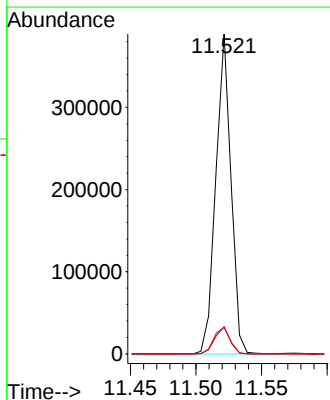
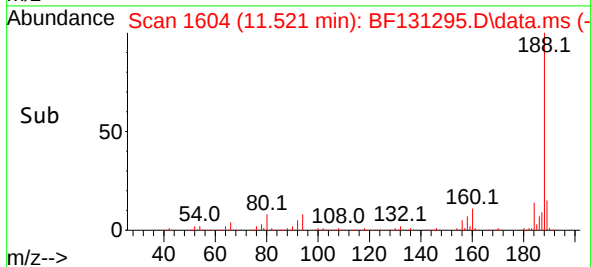
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

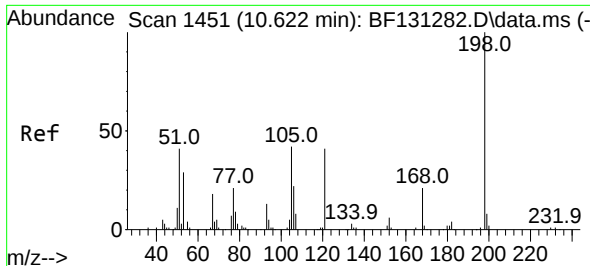


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.521 min Scan# 1604
Delta R.T. -0.001 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35



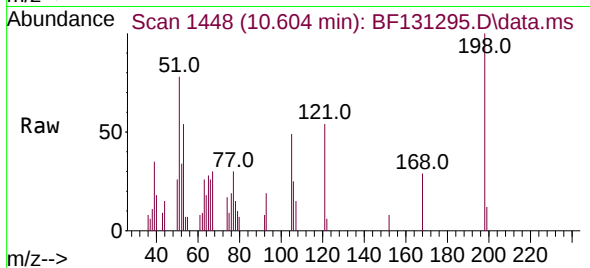
Tgt Ion:188 Resp: 313685
Ion Ratio Lower Upper
188 100
94 8.5 6.5 9.7
80 8.3 7.2 10.8





#65
4,6-Dinitro-2-methylphenol
Concen: 2.056 ng
RT: 10.604 min Scan# 1448
Delta R.T. -0.018 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

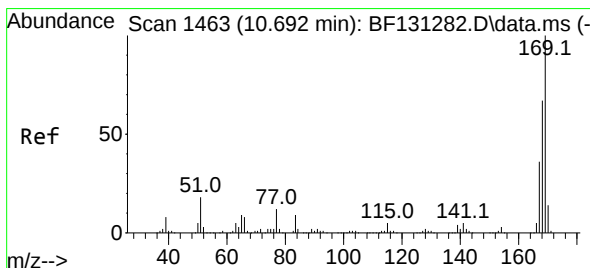
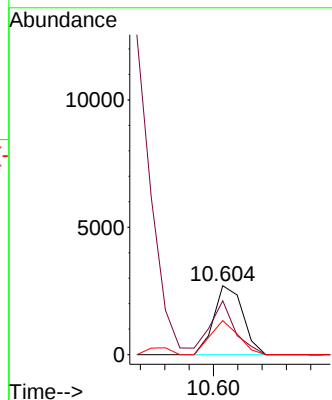
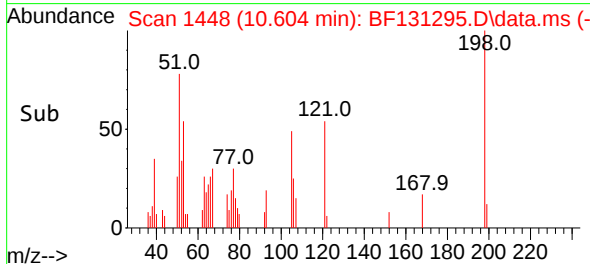
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



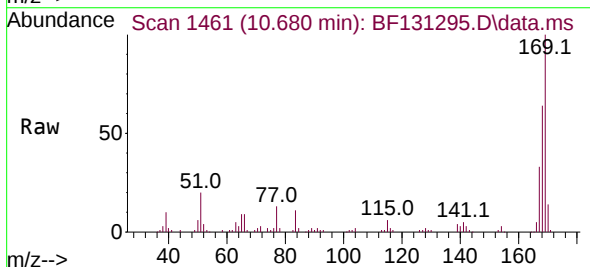
Tgt Ion:198 Resp: 2236
Ion Ratio Lower Upper
198 100
51 78.1 35.7 75.7
105 49.5 23.3 63.3

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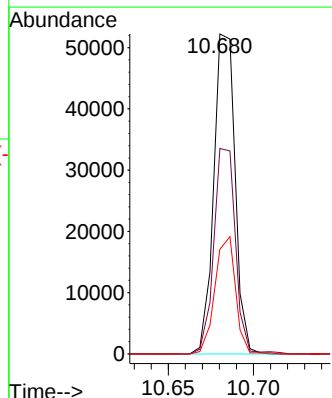
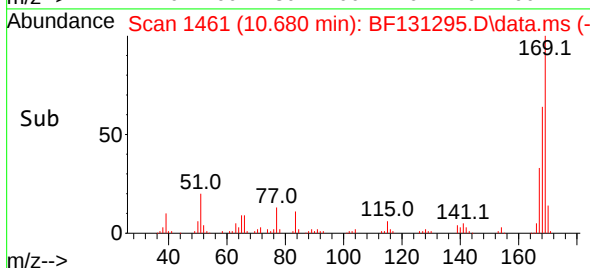
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

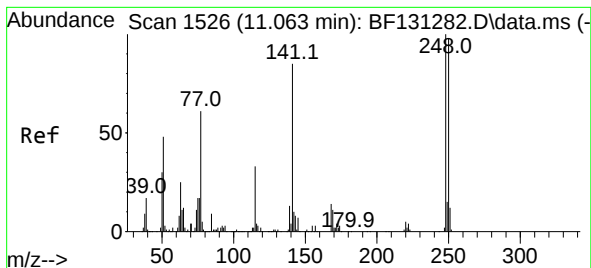


#66
n-Nitrosodiphenylamine
Concen: 4.500 ng
RT: 10.680 min Scan# 1461
Delta R.T. -0.012 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35



Tgt Ion:169 Resp: 45491
Ion Ratio Lower Upper
169 100
168 64.2 53.8 80.6
167 32.7 28.9 43.3





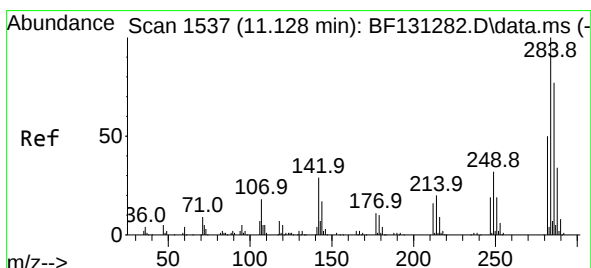
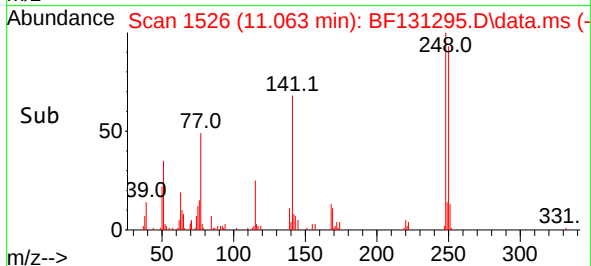
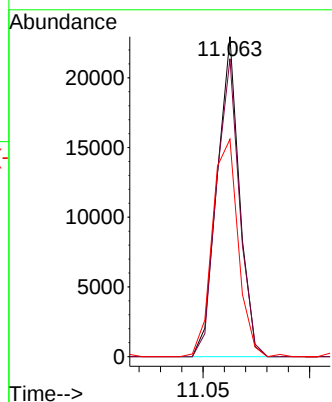
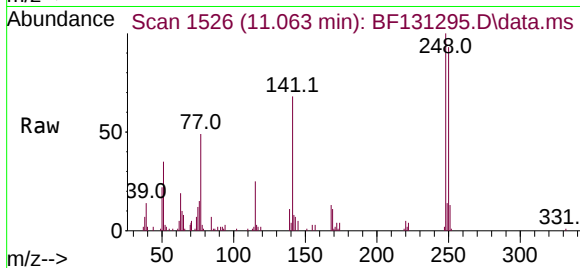
#67
4-Bromophenyl-phenylether
Concen: 4.421 ng
RT: 11.063 min Scan# 1526
Delta R.T. -0.000 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

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

Tgt Ion:248 Resp: 1664
Ion Ratio Lower Upper
248 100
250 93.1 78.3 117.5
141 67.9 67.6 101.4

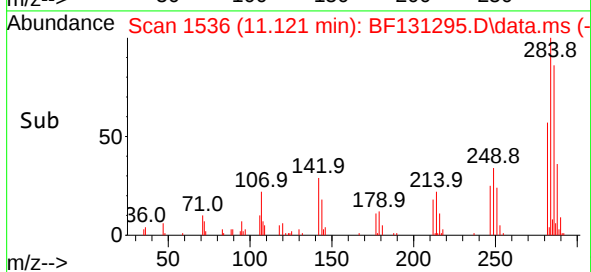
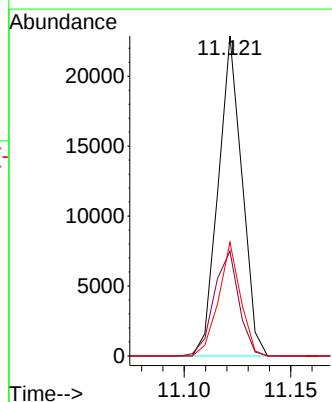
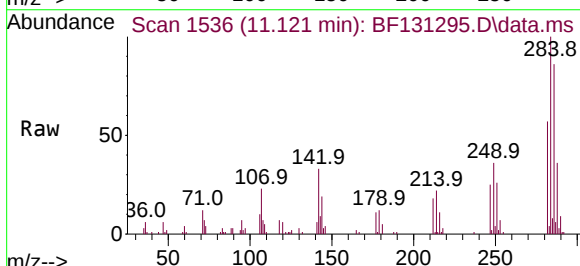
Manual Integrations
APPROVED

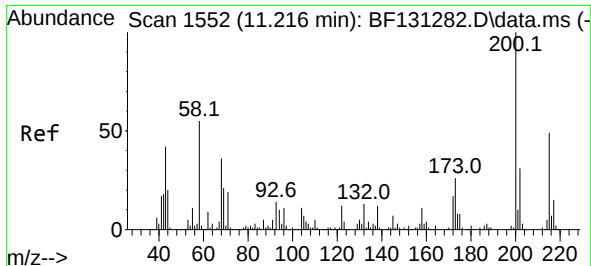
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#68
Hexachlorobenzene
Concen: 4.341 ng
RT: 11.121 min Scan# 1536
Delta R.T. -0.007 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

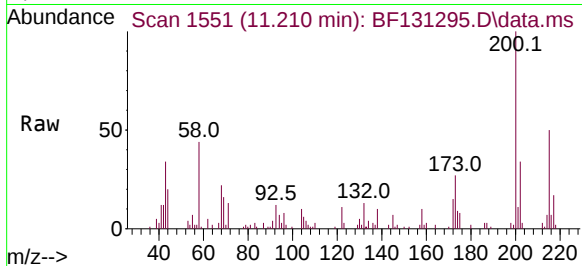
Tgt Ion:284 Resp: 17729
Ion Ratio Lower Upper
284 100
142 32.7 23.4 35.2
249 35.5 25.7 38.5





#69
 Atrazine
 Concen: 4.674 ng
 RT: 11.210 min Scan# 1551
 Delta R.T. -0.006 min
 Lab File: BF131295.D
 Acq: 18 Nov 2022 12:35

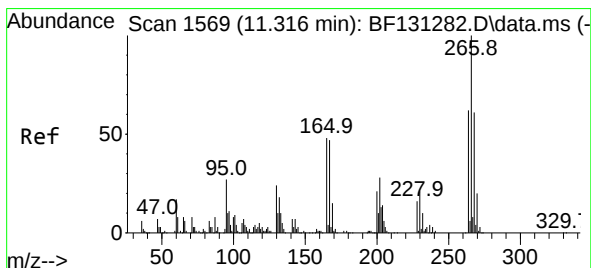
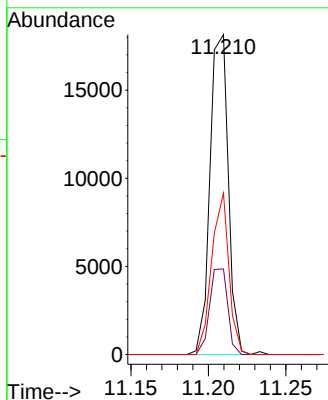
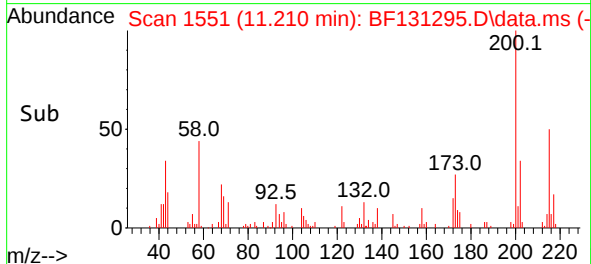
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022



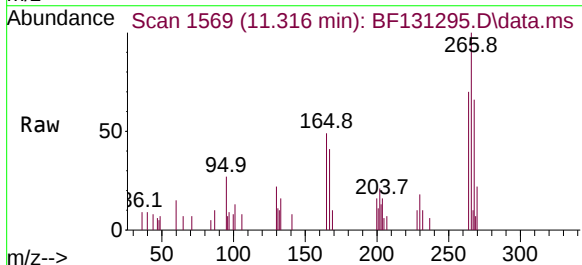
Tgt Ion:200 Resp: 15073
 Ion Ratio Lower Upper
 200 100
 173 26.8 6.0 46.0
 215 50.4 29.0 69.0

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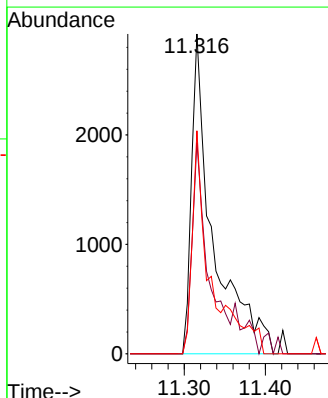
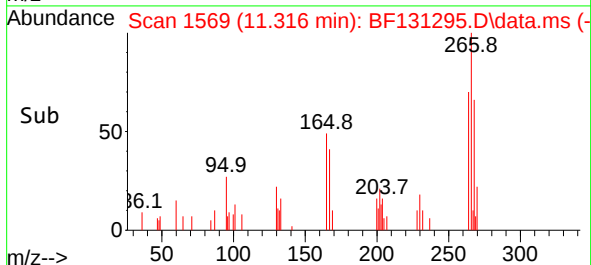
Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022

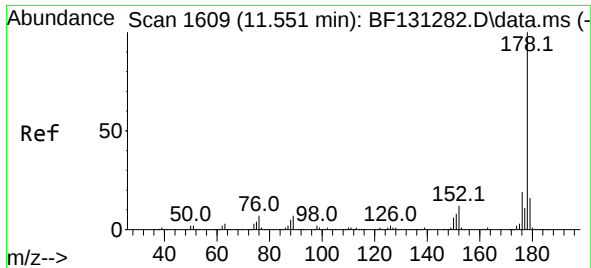


#70
 Pentachlorophenol
 Concen: 2.477 ng
 RT: 11.316 min Scan# 1569
 Delta R.T. -0.000 min
 Lab File: BF131295.D
 Acq: 18 Nov 2022 12:35



Tgt Ion:266 Resp: 5405
 Ion Ratio Lower Upper
 266 100
 268 66.1 49.0 73.4
 264 69.7 49.7 74.5





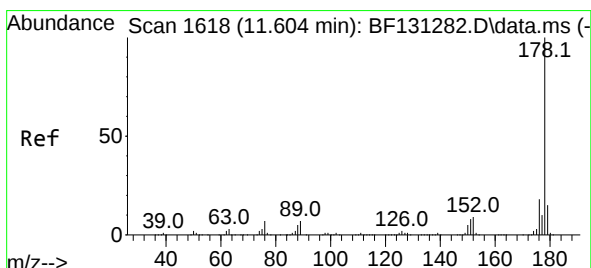
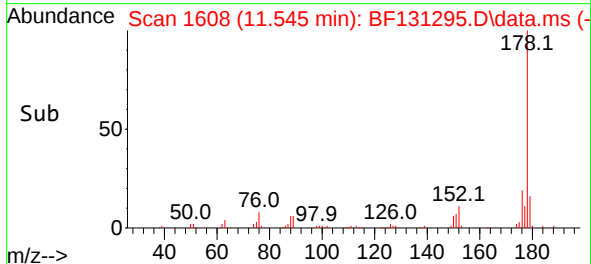
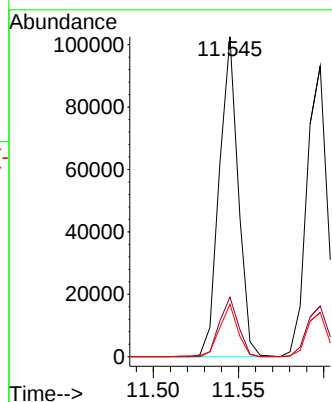
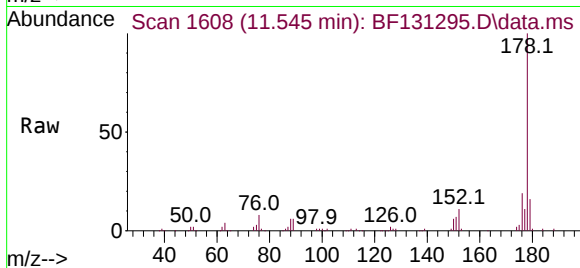
#71
Phenanthrene
Concen: 4.561 ng
RT: 11.545 min Scan# 1609
Delta R.T. -0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

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

Tgt Ion:178 Resp: 79109
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 16.3 12.4 18.6

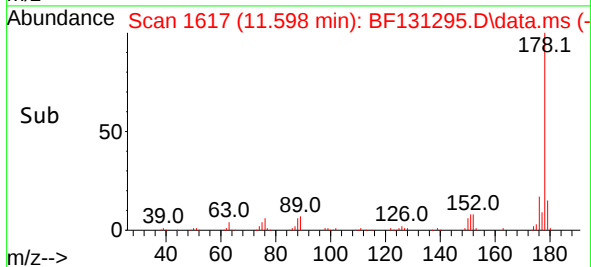
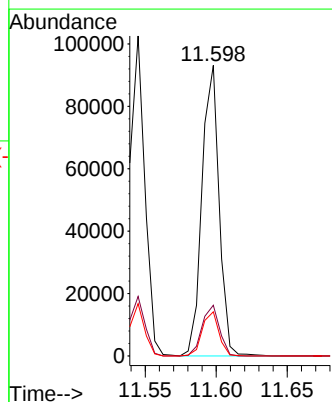
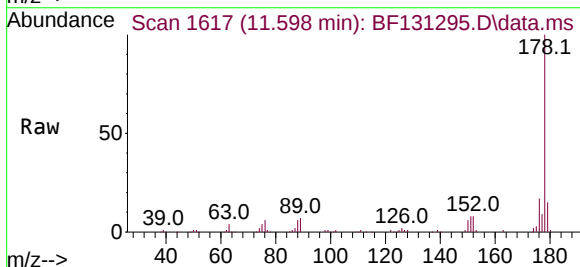
Manual Integrations
APPROVED

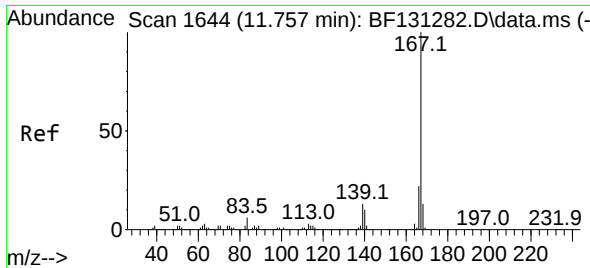
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022



#72
Anthracene
Concen: 4.604 ng
RT: 11.598 min Scan# 1617
Delta R.T. -0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

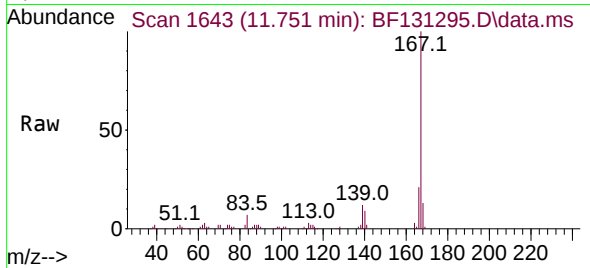
Tgt Ion:178 Resp: 78100
Ion Ratio Lower Upper
178 100
176 17.5 14.6 22.0
179 15.2 12.0 18.0





#73
 Carbazole
 Concen: 4.735 ng
 RT: 11.751 min Scan# 1643
 Delta R.T. -0.006 min
 Lab File: BF131295.D
 Acq: 18 Nov 2022 12:35

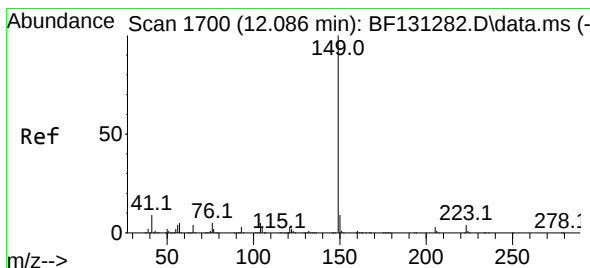
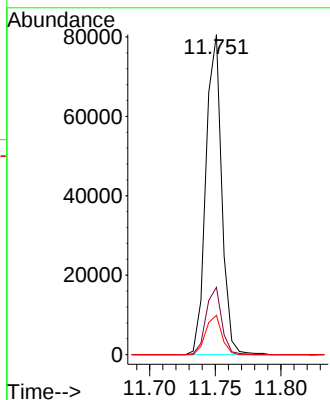
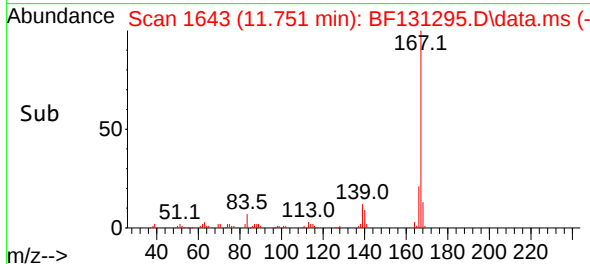
Instrument : BNA_F
 ClientSampleId : LOQ-SOIL-02-QT4-2022



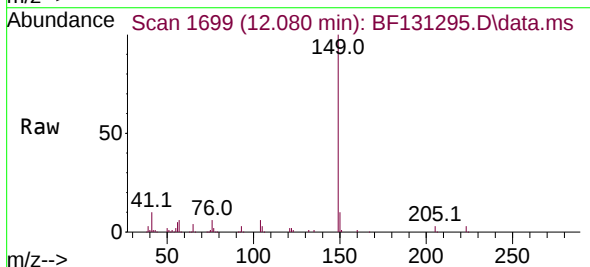
Tgt Ion:167 Resp: 67516
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.4 26.2
 139 12.3 10.2 15.4

Manual Integrations
 APPROVED

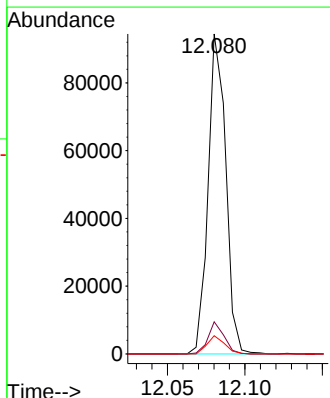
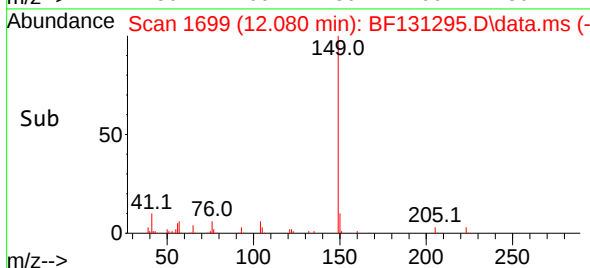
Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022

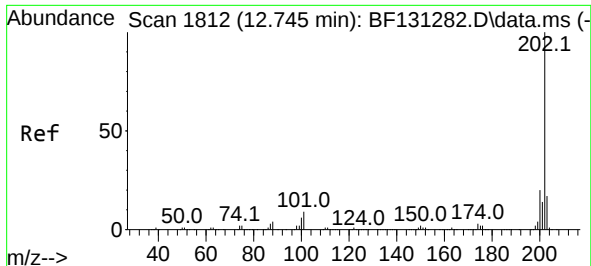


#74
 Di-n-butylphthalate
 Concen: 4.368 ng
 RT: 12.080 min Scan# 1699
 Delta R.T. -0.006 min
 Lab File: BF131295.D
 Acq: 18 Nov 2022 12:35



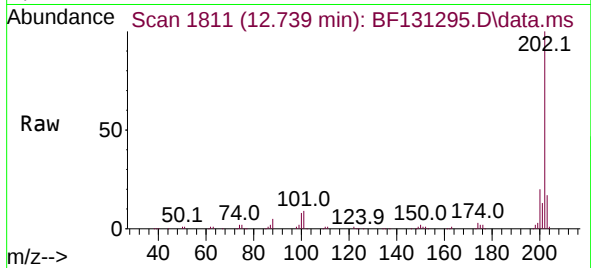
Tgt Ion:149 Resp: 75210
 Ion Ratio Lower Upper
 149 100
 150 10.0 7.1 10.7
 104 5.7 4.3 6.5





#75
Fluoranthene
Concen: 4.668 ng
RT: 12.739 min Scan# 1811
Delta R.T. -0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

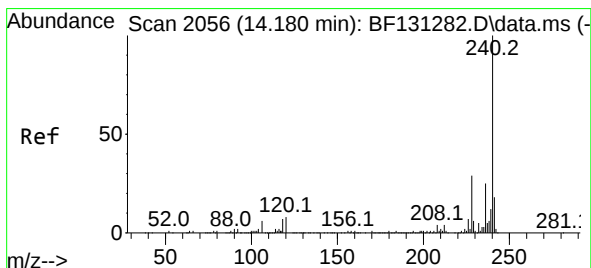
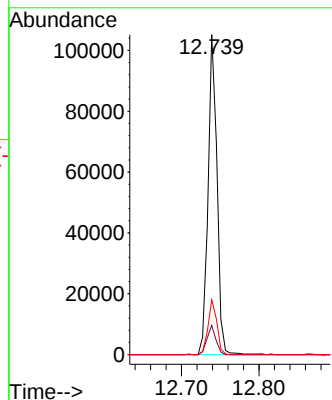
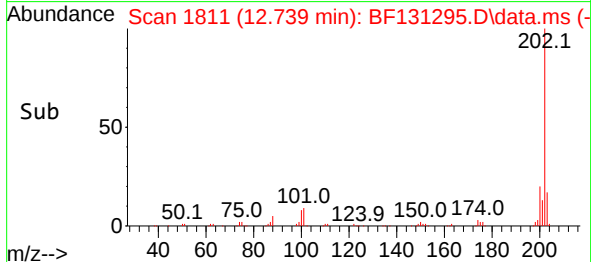
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



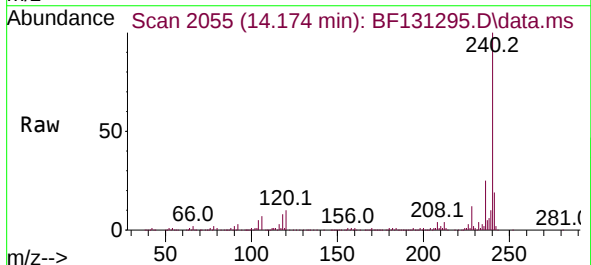
Tgt Ion:202 Resp: 84024
Ion Ratio Lower Upper
202 100
101 9.1 0.0 28.5
203 17.1 0.0 37.3

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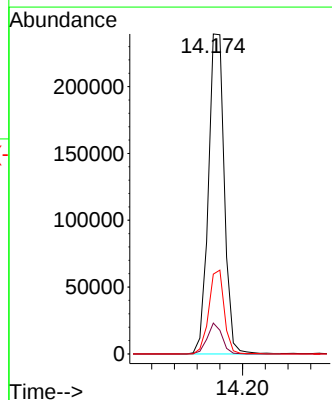
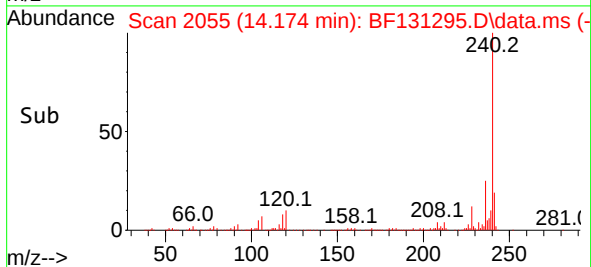
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

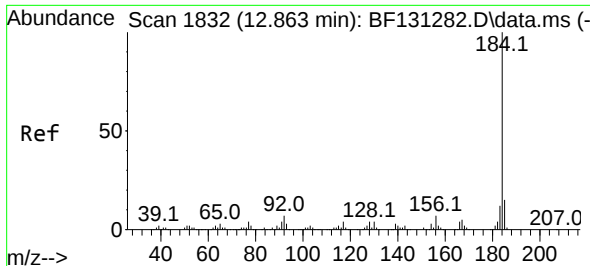


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.174 min Scan# 2055
Delta R.T. -0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35



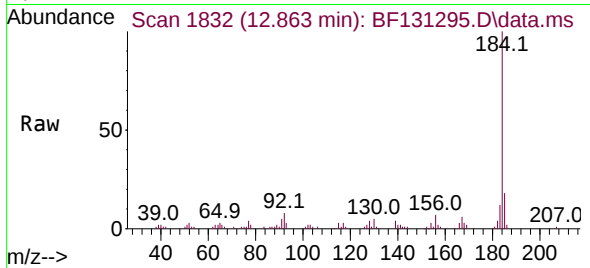
Tgt Ion:240 Resp: 233425
Ion Ratio Lower Upper
240 100
120 9.6 6.2 9.2#
236 24.9 19.8 29.6





#77
Benzidine
Concen: 5.822 ng
RT: 12.863 min Scan# 1832
Delta R.T. -0.000 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

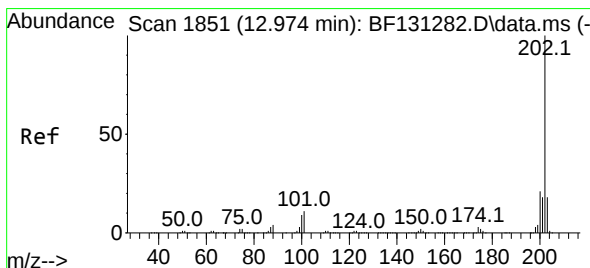
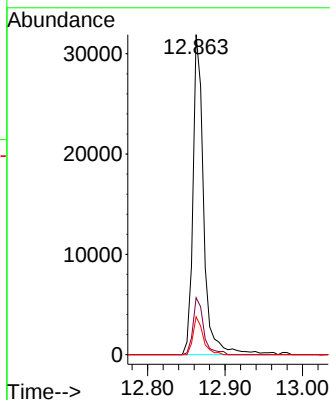
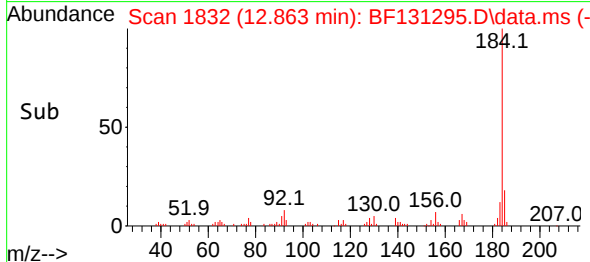
Instrument : BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



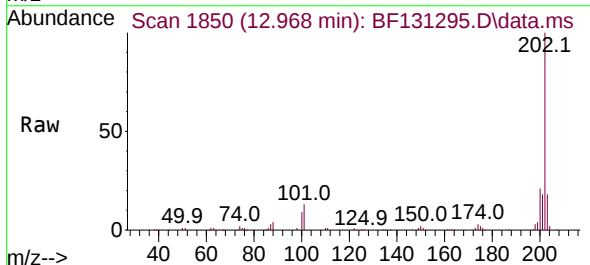
Tgt Ion:184 Resp: 30740
Ion Ratio Lower Upper
184 100
185 17.8 12.3 18.5
183 11.8 9.3 13.9

Manual Integrations
APPROVED

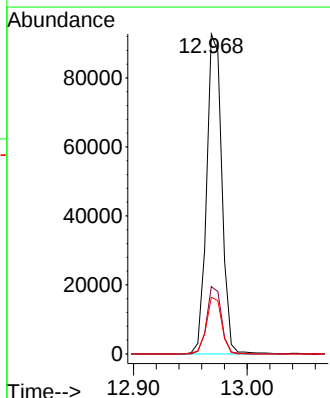
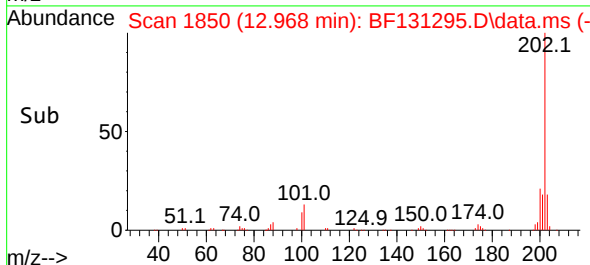
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

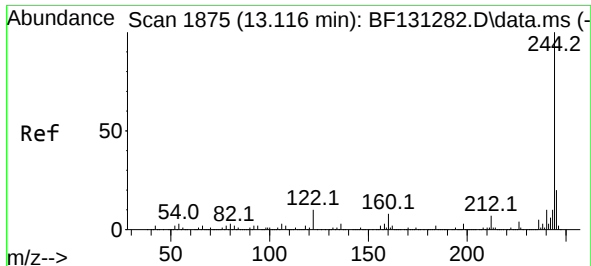


#78
Pyrene
Concen: 3.857 ng
RT: 12.968 min Scan# 1850
Delta R.T. -0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35



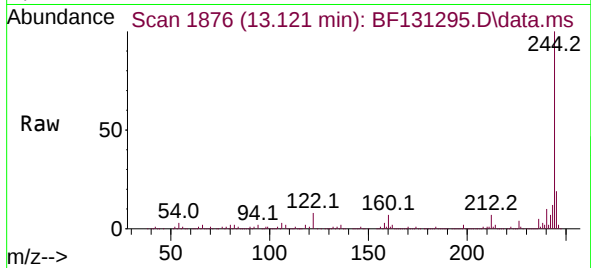
Tgt Ion:202 Resp: 86617
Ion Ratio Lower Upper
202 100
200 21.0 17.2 25.8
203 17.7 14.3 21.5





#79
 Terphenyl-d14
 Concen: 59.883 ng
 RT: 13.121 min Scan# 1875
 Delta R.T. 0.006 min
 Lab File: BF131295.D
 Acq: 18 Nov 2022 12:35

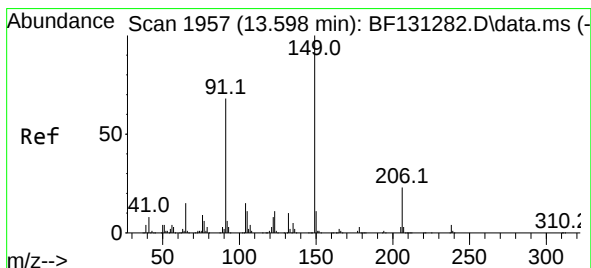
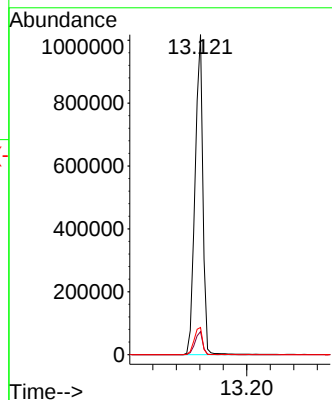
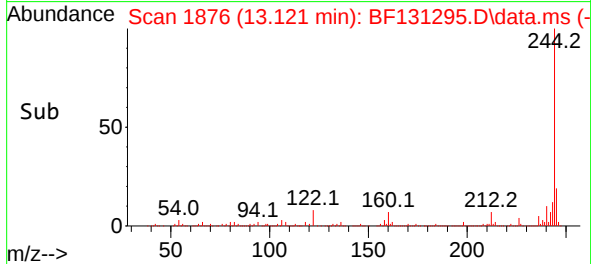
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT4-2022



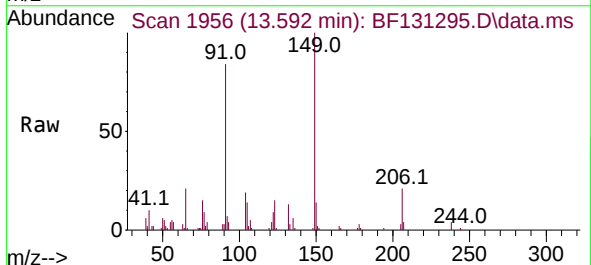
Tgt Ion:244 Resp: 93514
 Ion Ratio Lower Upper
 244 100
 212 7.2 5.8 8.6
 122 8.5 7.8 11.8

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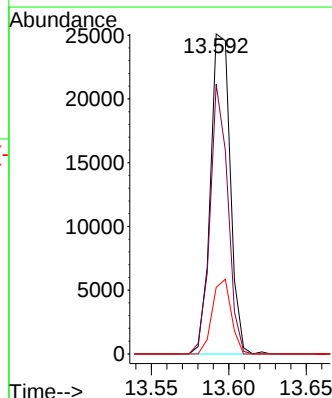
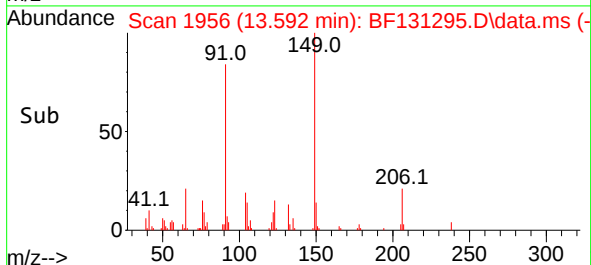
Reviewed By :Christian Giraldo 11/21/2022
 Supervised By :Jagrut Upadhyay 11/21/2022

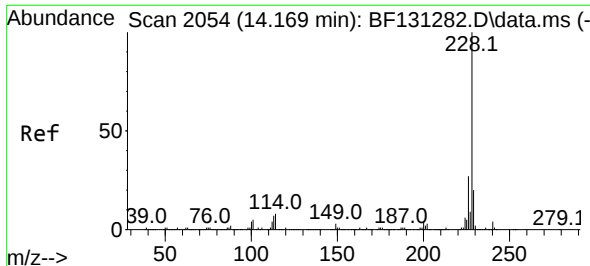


#80
 Butylbenzylphthalate
 Concen: 3.296 ng
 RT: 13.592 min Scan# 1956
 Delta R.T. -0.006 min
 Lab File: BF131295.D
 Acq: 18 Nov 2022 12:35



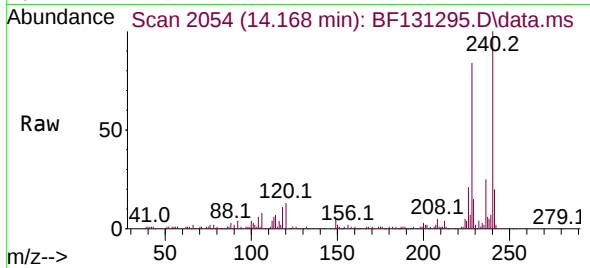
Tgt Ion:149 Resp: 22390
 Ion Ratio Lower Upper
 149 100
 91 84.3 54.6 82.0#
 206 20.8 18.1 27.1





#81
Benzo(a)anthracene
Concen: 4.207 ng
RT: 14.168 min Scan# 2054
Delta R.T. -0.001 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

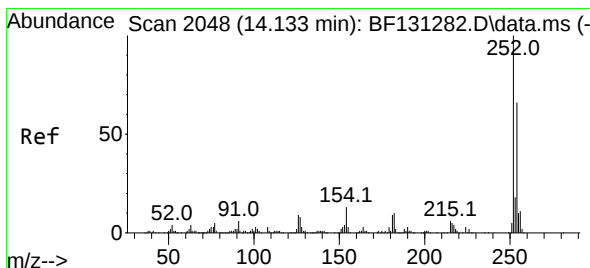
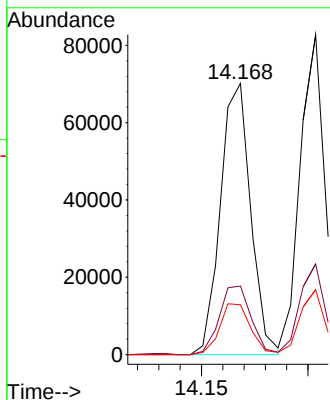
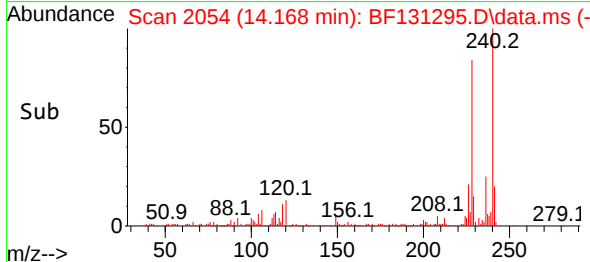
Instrument : BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



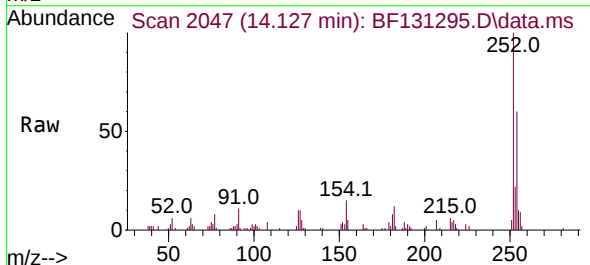
Tgt Ion:228 Resp: 69238
Ion Ratio Lower Upper
228 100
226 25.3 21.5 32.3
229 18.4 16.1 24.1

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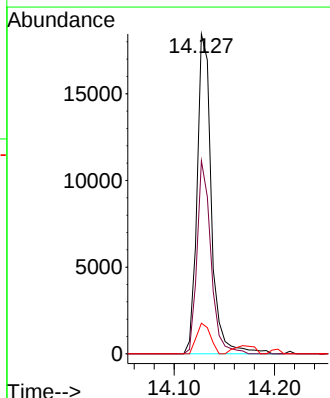
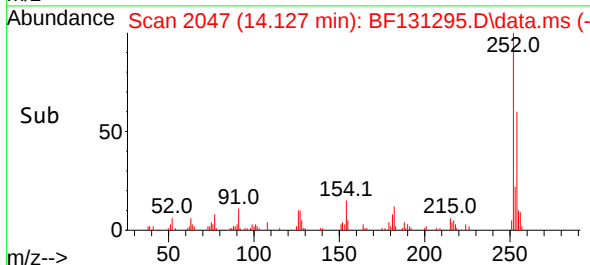
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

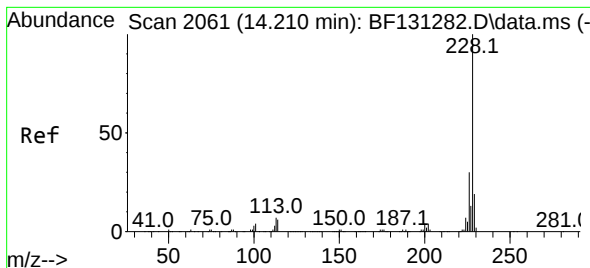


#82
3,3'-Dichlorobenzidine
Concen: 4.172 ng
RT: 14.127 min Scan# 2047
Delta R.T. -0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35



Tgt Ion:252 Resp: 18227
Ion Ratio Lower Upper
252 100
254 60.4 52.6 78.8
126 9.6 7.0 10.6





#83

Chrysene

Concen: 4.394 ng

RT: 14.204 min Scan# 2060

Delta R.T. -0.006 min

Lab File: BF131295.D

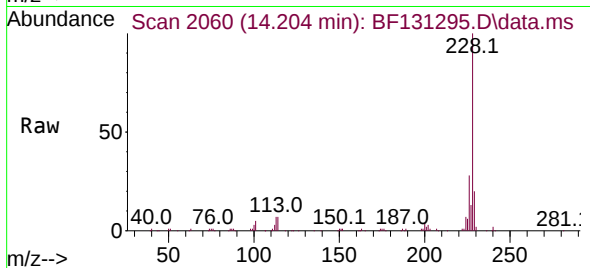
Acq: 18 Nov 2022 12:35

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT4-2022



Tgt Ion:228 Resp: 6916

Ion Ratio Lower Upper

228 100

226 28.3 23.8 35.6

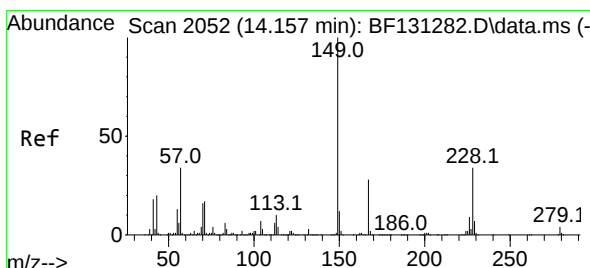
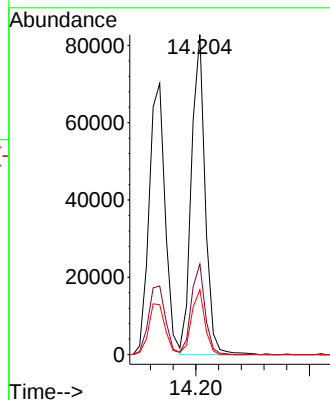
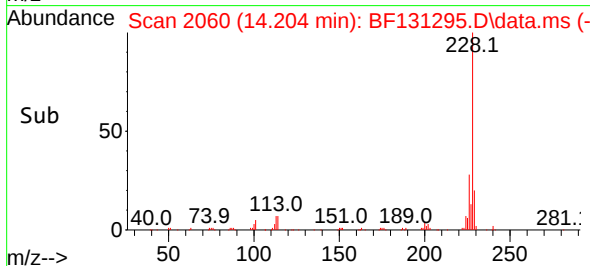
229 20.3 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 11/21/2022

Supervised By :Jagrut Upadhyay 11/21/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 4.163 ng

RT: 14.157 min Scan# 2052

Delta R.T. -0.000 min

Lab File: BF131295.D

Acq: 18 Nov 2022 12:35

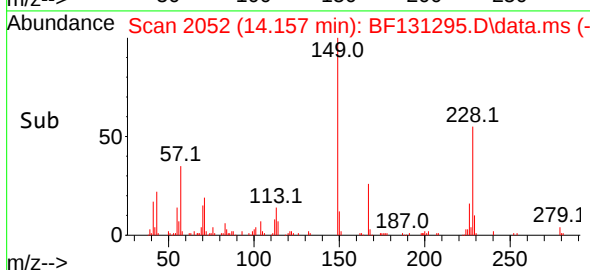
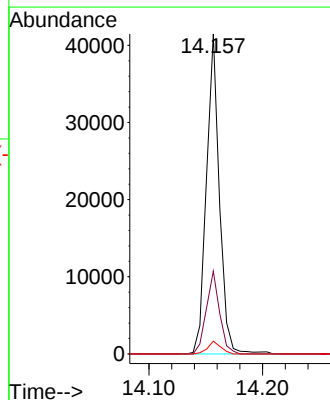
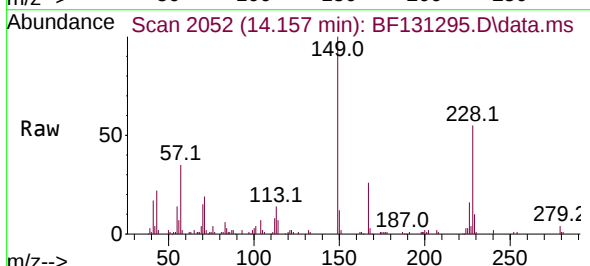
Tgt Ion:149 Resp: 32922

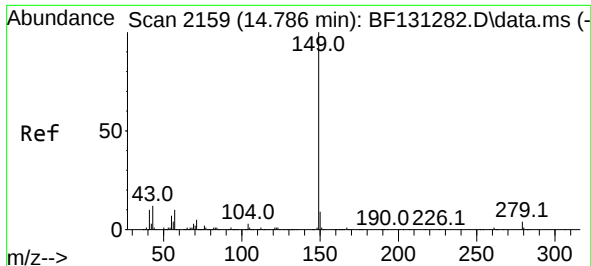
Ion Ratio Lower Upper

149 100

167 25.9 22.2 33.4

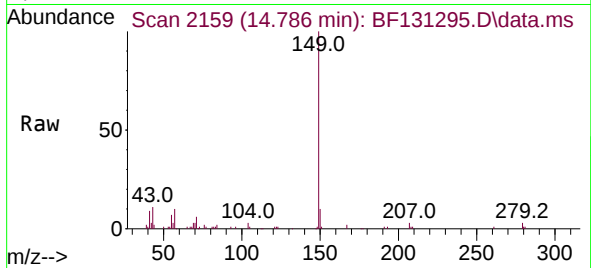
279 4.0 3.4 5.2





#85
Di-n-octyl phthalate
Concen: 3.488 ng
RT: 14.786 min Scan# 2159
Delta R.T. -0.000 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

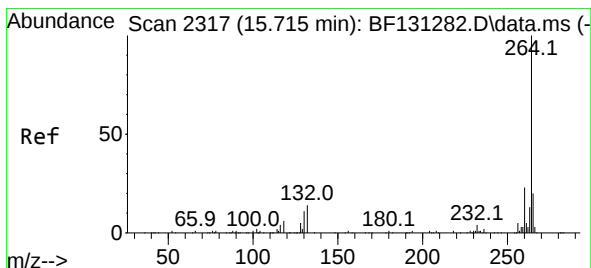
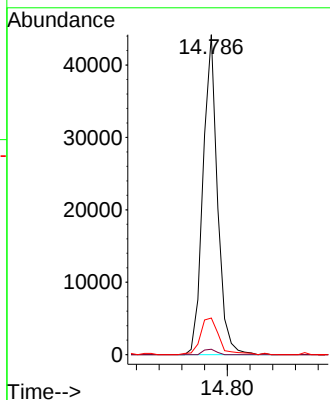
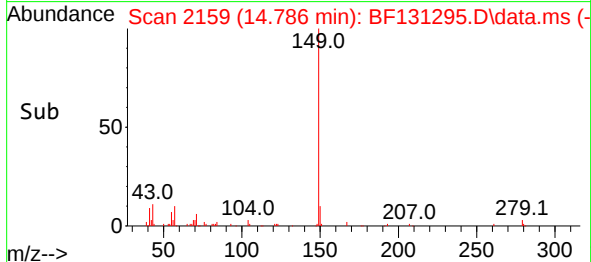
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2022



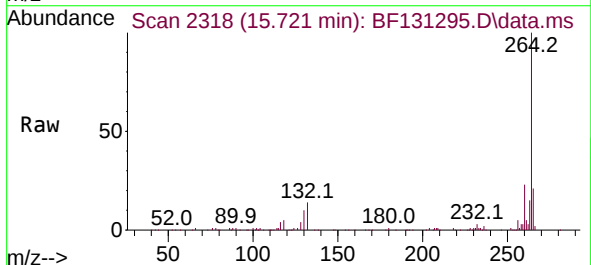
Tgt Ion:149 Resp: 39155
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 14.8 10.6 16.0

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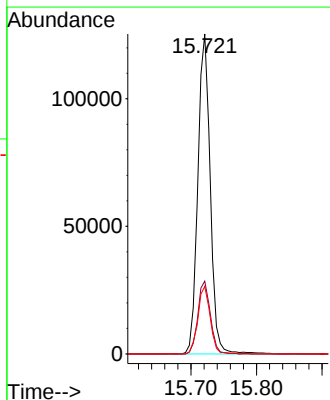
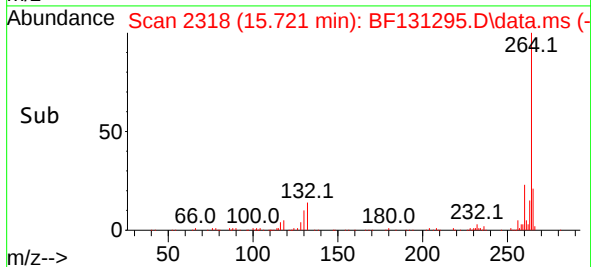
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

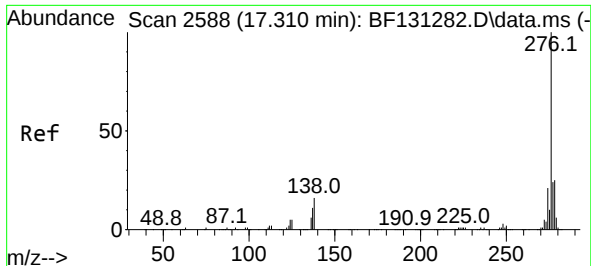


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.721 min Scan# 2318
Delta R.T. 0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35



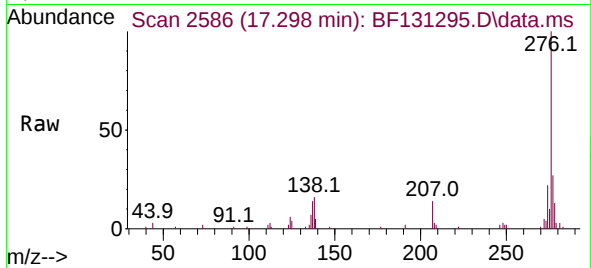
Tgt Ion:264 Resp: 163499
Ion Ratio Lower Upper
264 100
260 22.7 18.7 28.1
265 21.1 16.2 24.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.098 ng
RT: 17.298 min Scan# 2586
Delta R.T. -0.012 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

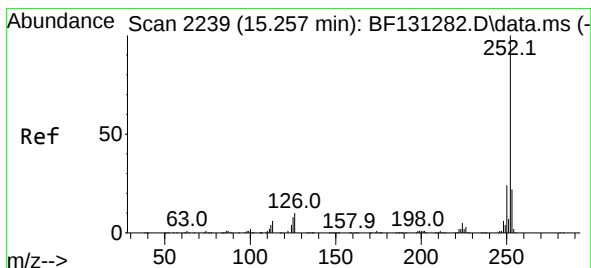
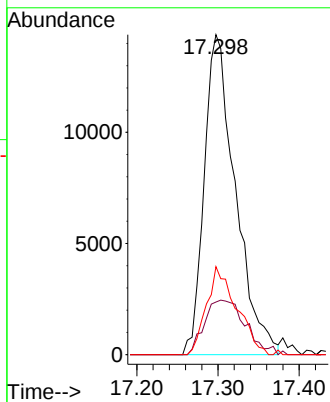
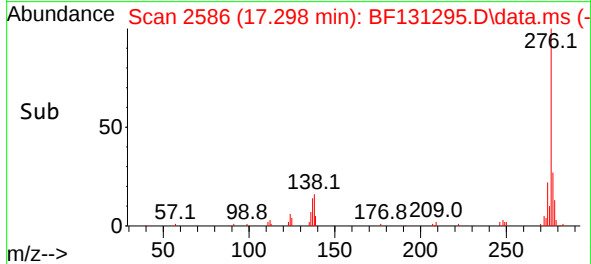
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT4-2022



Tgt Ion: 276 Resp: 38419
Ion Ratio Lower Upper
276 100
138 22.4 15.1 22.7
277 26.6 20.1 30.1

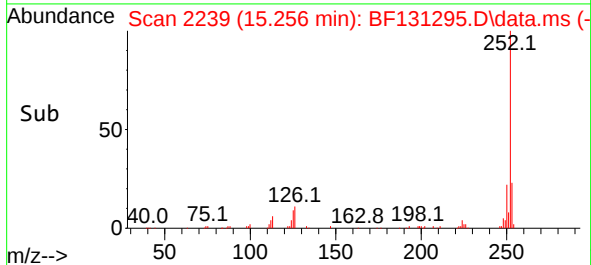
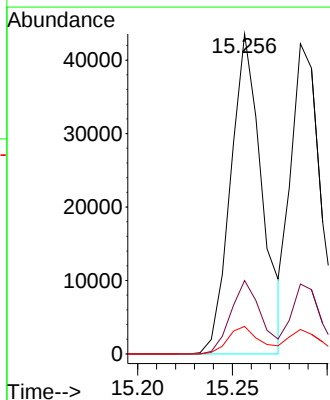
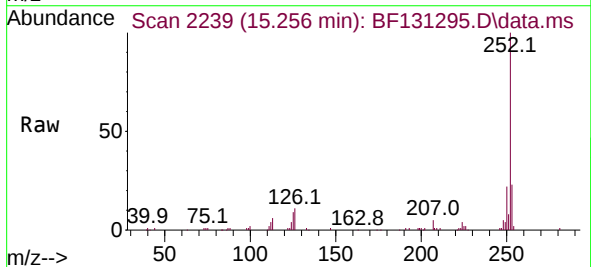
Manual Integrations
APPROVED

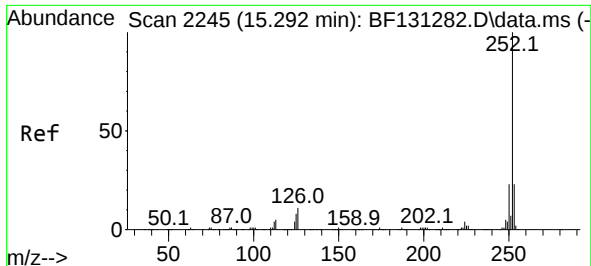
Reviewed By : Christian Giraldo 11/21/2022
Supervised By : Jagrut Upadhyay 11/21/2022



#88
Benzo(b)fluoranthene
Concen: 4.560 ng
RT: 15.256 min Scan# 2239
Delta R.T. -0.001 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

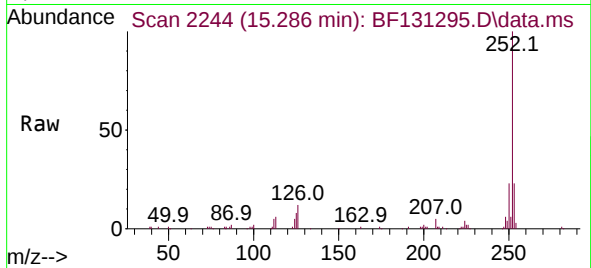
Tgt Ion: 252 Resp: 50179
Ion Ratio Lower Upper
252 100
253 22.9 17.4 26.0
125 8.6 6.3 9.5





#89
Benzo(k)fluoranthene
Concen: 4.154 ng
RT: 15.286 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

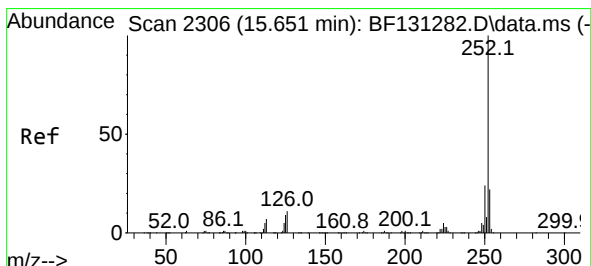
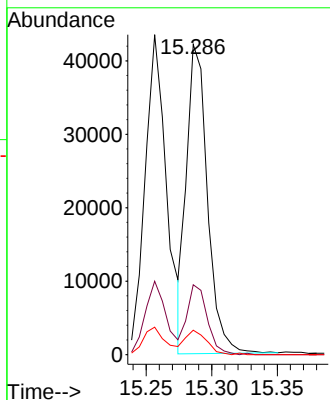
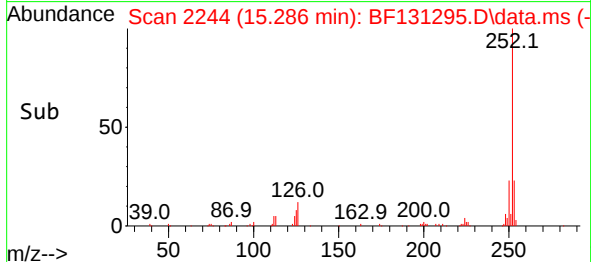
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



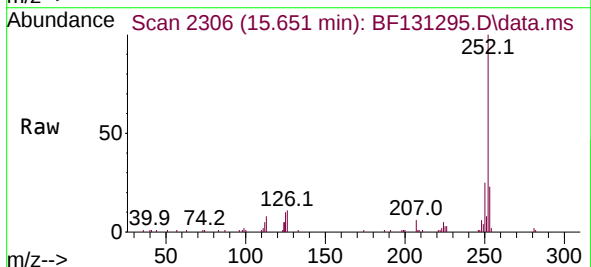
Tgt Ion:252 Resp: 46719
Ion Ratio Lower Upper
252 100
253 22.5 18.0 27.0
125 7.9 6.5 9.7

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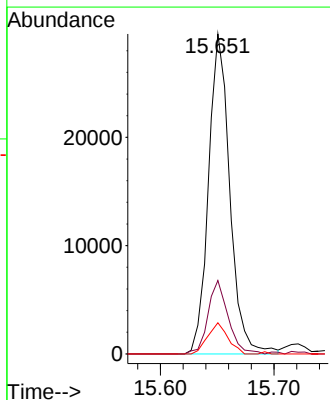
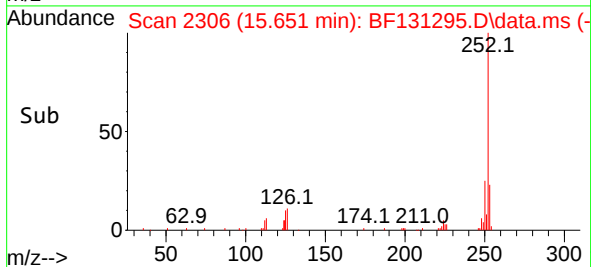
Reviewed By :Christian Giraldo 11/21/2022
Supervised By :Jagrut Upadhyay 11/21/2022

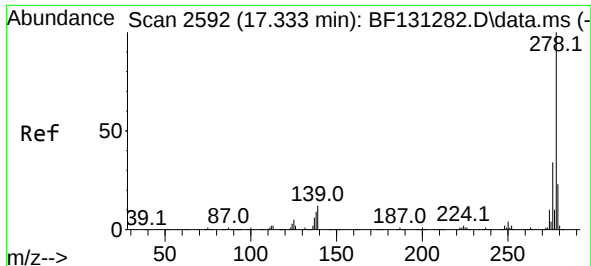


#90
Benzo(a)pyrene
Concen: 4.271 ng
RT: 15.651 min Scan# 2306
Delta R.T. -0.000 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35



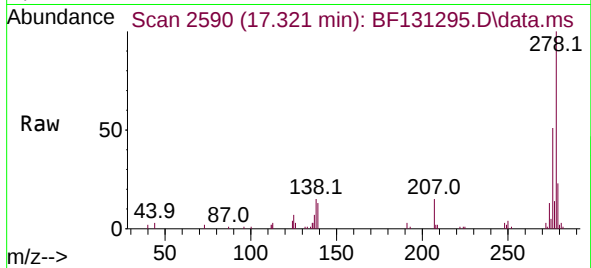
Tgt Ion:252 Resp: 38583
Ion Ratio Lower Upper
252 100
253 22.9 17.7 26.5
125 9.7 7.2 10.8





#91
Dibenzo(a,h)anthracene
Concen: 3.361 ng
RT: 17.321 min Scan# 21
Delta R.T. -0.012 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

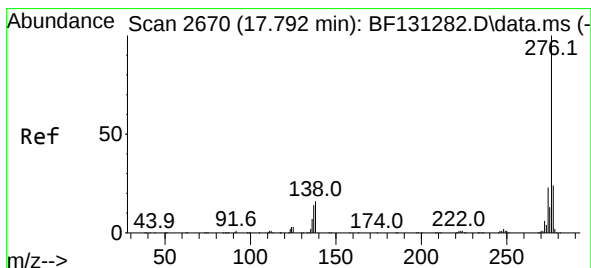
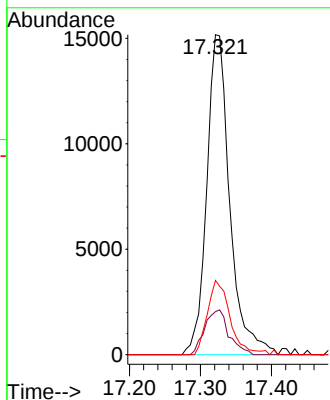
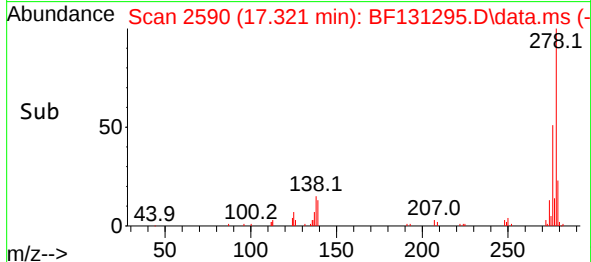
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT4-2022



Tgt Ion: 278 Resp: 34293
Ion Ratio Lower Upper
278 100
139 13.4 10.0 15.0
279 23.2 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: 3.189 ng
RT: 17.774 min Scan# 2667
Delta R.T. -0.018 min
Lab File: BF131295.D
Acq: 18 Nov 2022 12:35

Tgt Ion: 276 Resp: 32900
Ion Ratio Lower Upper
276 100
277 25.6 19.4 29.0
138 17.3 13.0 19.6

