

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031122\
 Data File : BF127301.D
 Acq On : 11 Mar 2022 15:53
 Operator : CG\JU
 Sample : N1645-02
 Misc : LOQ-SOIL 10ppm
 ALS Vial : 8 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2022

Quant Time: Mar 11 16:26:19 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Mar 11 12:42:13 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/14/2022
 Supervised By : Jagrut Upadhyay 03/14/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	120690	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	421431	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	246193	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	437759	20.000	ng	# 0.00
76) Chrysene-d12	14.051	240	349905	20.000	ng	# 0.00
86) Perylene-d12	15.533	264	282378	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	579945	77.247	ng	0.00
7) Phenol-d6	6.504	99	805838	78.025	ng	0.00
23) Nitrobenzene-d5	7.434	82	553171	54.208	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	215652	81.370	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	937446	53.834	ng	0.00
79) Terphenyl-d14	12.992	244	1063090	52.317	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.681	88	26068	6.697	ng	# 80
3) Pyridine	3.469	79	65169	6.291	ng	# 68
4) n-Nitrosodimethylamine	3.393	42	38855	6.770	ng	# 63
6) Aniline	6.534	93	110715	8.970	ng	95
8) 2-Chlorophenol	6.657	128	62418	8.037	ng	99
9) Benzaldehyde	6.422	77	62952	10.456	ng	92
10) Phenol	6.510	94	91741	8.086	ng	80
11) bis(2-Chloroethyl)ether	6.604	93	69374	8.234	ng	95
12) 1,3-Dichlorobenzene	6.810	146	70904	8.133	ng	98
13) 1,4-Dichlorobenzene	6.887	146	71678	8.195	ng	98
14) 1,2-Dichlorobenzene	7.040	146	66918	8.129	ng	95
15) Benzyl Alcohol	7.010	79	61700	7.970	ng	91
16) 2,2'-oxybis(1-Chloropr...	7.140	45	124017	7.844	ng	99
17) 2-Methylphenol	7.116	107	52360	7.930	ng	# 95
18) Hexachloroethane	7.375	117	26408	7.860	ng	# 79
19) n-Nitroso-di-n-propyla...	7.275	70	52777	8.189	ng	# 86
20) 3+4-Methylphenols	7.275	107	71176	8.312	ng	# 57
22) Acetophenone	7.275	105	96269	8.343	ng	# 90
24) Nitrobenzene	7.451	77	80195	8.309	ng	96
25) Isophorone	7.687	82	143568	8.749	ng	98
26) 2-Nitrophenol	7.769	139	31968	7.998	ng	# 83
27) 2,4-Dimethylphenol	7.798	122	56802	9.467	ng	94
28) bis(2-Chloroethoxy)met...	7.898	93	87813	8.446	ng	97
29) 2,4-Dichlorophenol	8.010	162	56549	8.229	ng	96
30) 1,2,4-Trichlorobenzene	8.092	180	63986	8.168	ng	98
31) Naphthalene	8.175	128	192409	8.559	ng	99
32) Benzoic acid	7.892	122	16007	4.299	ng	# 78
33) 4-Chloroaniline	8.222	127	77216	8.861	ng	# 93
34) Hexachlorobutadiene	8.281	225	40303	7.715	ng	98
35) Caprolactam	8.569	113	16636	8.104	ng	# 86
36) 4-Chloro-3-methylphenol	8.704	107	60611	8.138	ng	98
37) 2-Methylnaphthalene	8.863	142	128783	8.767	ng	98
38) 1-Methylnaphthalene	8.963	142	121452	8.600	ng	99
40) 1,2,4,5-Tetrachloroben...	9.028	216	66935	8.588	ng	# 94
41) Hexachlorocyclopentadiene	9.010	237	16789	6.130	ng	89
43) 2,4,6-Trichlorophenol	9.145	196	37632	7.650	ng	98

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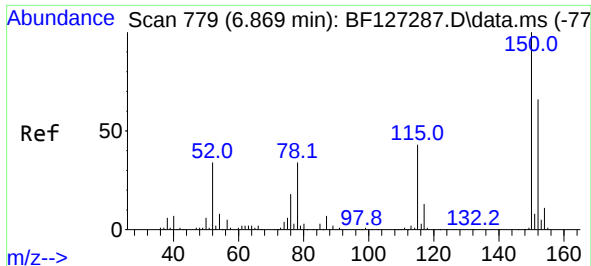
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 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031022.M
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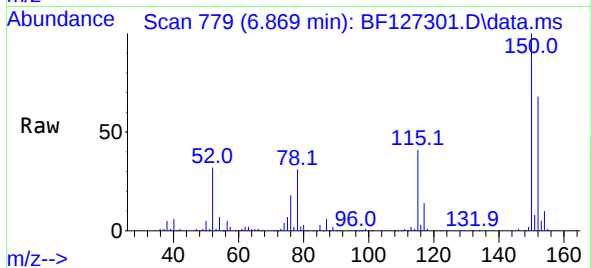
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	38850m	7.442	ng	
46) 1,1'-Biphenyl	9.328	154	161677	8.701	ng	96
47) 2-Chloronaphthalene	9.357	162	123902	8.566	ng	96
48) 2-Nitroaniline	9.451	65	44502	7.996	ng	87
49) Acenaphthylene	9.769	152	203285	9.184	ng	98
50) Dimethylphthalate	9.622	163	142694	8.089	ng	# 99
51) 2,6-Dinitrotoluene	9.692	165	31825	8.918	ng	96
52) Acenaphthene	9.939	154	111870	8.479	ng	93
53) 3-Nitroaniline	9.863	138	31457	8.089	ng	89
54) 2,4-Dinitrophenol	9.981	184	8389	4.771	ng	93
55) Dibenzofuran	10.116	168	172180	8.400	ng	97
56) 4-Nitrophenol	10.033	139	15628	6.612	ng	87
57) 2,4-Dinitrotoluene	10.098	165	39789	8.475	ng	# 93
58) Fluorene	10.457	166	136371	8.580	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.233	232	33203	7.653	ng	# 79
60) Diethylphthalate	10.322	149	134544	8.361	ng	96
61) 4-Chlorophenyl-phenyle...	10.445	204	72611	8.430	ng	90
62) 4-Nitroaniline	10.475	138	30535	7.880	ng	# 79
63) Azobenzene	10.610	77	153005	8.272	ng	90
65) 4,6-Dinitro-2-methylph...	10.510	198	16764	6.211	ng	90
66) n-Nitrosodiphenylamine	10.569	169	116187	8.546	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	43001	8.149	ng	93
68) Hexachlorobenzene	11.004	284	47058	8.183	ng	89
69) Atrazine	11.092	200	41395	8.824	ng	94
70) Pentachlorophenol	11.204	266	11123	4.790	ng	96
71) Phenanthrene	11.422	178	198074	8.571	ng	99
72) Anthracene	11.475	178	202906	8.866	ng	97
73) Carbazole	11.633	167	180363	8.369	ng	98
74) Di-n-butylphthalate	11.951	149	210405	8.347	ng	99
75) Fluoranthene	12.616	202	222074	8.595	ng	93
77) Benzidine	12.739	184	110898	12.463	ng	96
78) Pyrene	12.845	202	224197	8.226	ng	99
80) Butylbenzylphthalate	13.457	149	82031	7.821	ng	# 95
81) Benzo(a)anthracene	14.039	228	191772	8.140	ng	99
82) 3,3'-Dichlorobenzidine	13.998	252	63853	8.717	ng	# 97
83) Chrysene	14.074	228	179598	8.196	ng	100
84) Bis(2-ethylhexyl)phtha...	14.010	149	117725	8.338	ng	# 100
85) Di-n-octyl phthalate	14.627	149	178608	8.358	ng	97
87) Indeno(1,2,3-cd)pyrene	17.039	276	116481	6.847	ng	# 87
88) Benzo(b)fluoranthene	15.092	252	156358	8.436	ng	# 93
89) Benzo(k)fluoranthene	15.121	252	149459	8.576	ng	# 94
90) Benzo(a)pyrene	15.468	252	138304	9.476	ng	# 93
91) Dibenzo(a,h)anthracene	17.051	278	104980	7.415	ng	# 88
92) Benzo(g,h,i)perylene	17.492	276	100788	7.298	ng	# 86

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

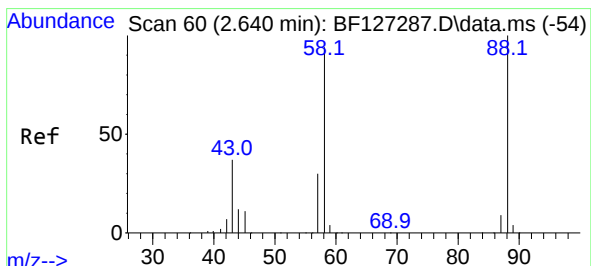
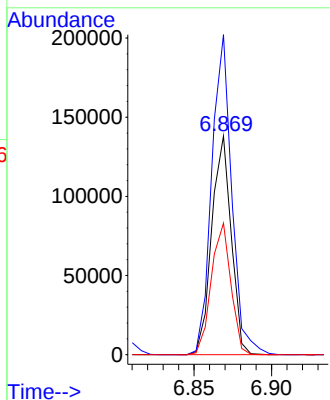
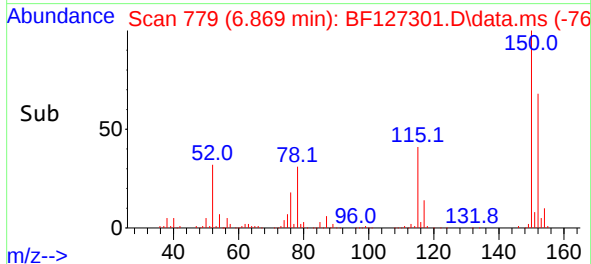
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2022



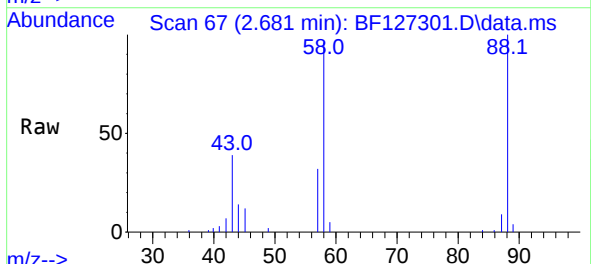
Tgt Ion:152 Resp: 120690
Ion Ratio Lower Upper
152 100
150 146.3 128.1 192.1
115 60.1 56.7 85.1

Manual Integrations
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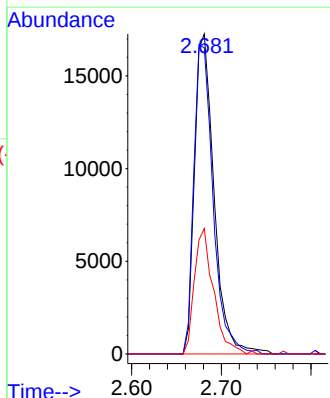
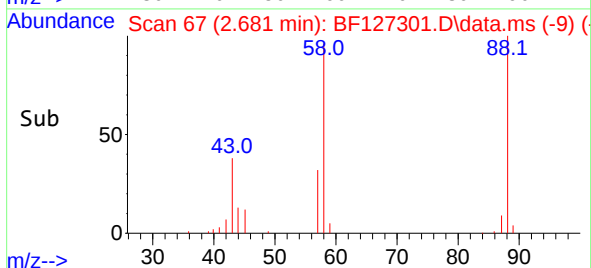
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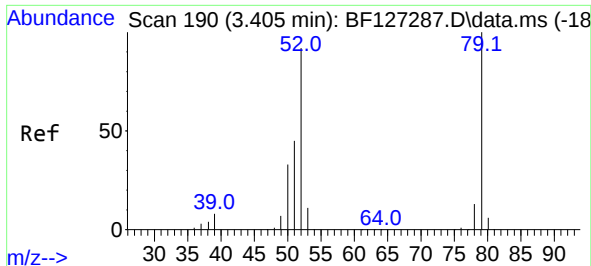


#2
1,4-Dioxane
Concen: 6.697 ng
RT: 2.681 min Scan# 67
Delta R.T. 0.041 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53



Tgt Ion: 88 Resp: 26068
Ion Ratio Lower Upper
88 100
58 95.4 62.8 94.2#
43 38.4 22.3 33.5#





#3

Pyridine

Concen: 6.291 ng

RT: 3.469 min Scan# 201

Delta R.T. 0.065 min

Lab File: BF127301.D

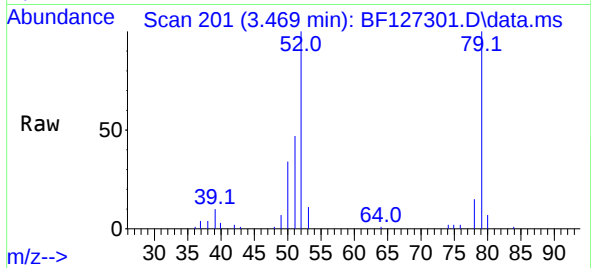
Acq: 11 Mar 2022 15:53

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2022



Tgt Ion: 79 Resp: 65169

Ion Ratio Lower Upper

79 100

52 100.2 56.2 84.4

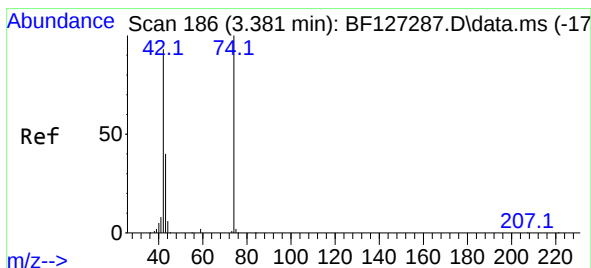
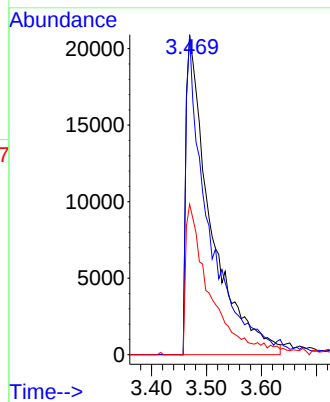
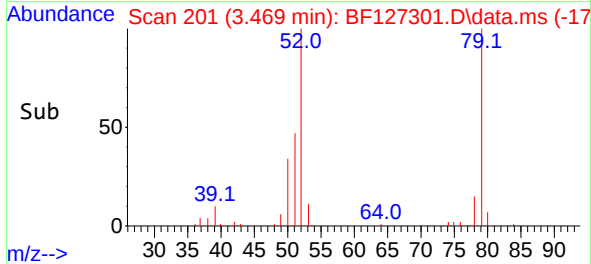
51 47.1 26.7 40.1

Manual Integrations

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#4

n-Nitrosodimethylamine

Concen: 6.770 ng

RT: 3.393 min Scan# 188

Delta R.T. 0.012 min

Lab File: BF127301.D

Acq: 11 Mar 2022 15:53

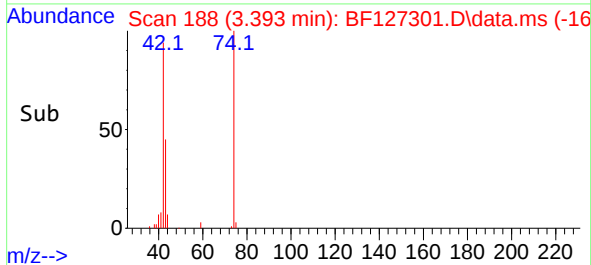
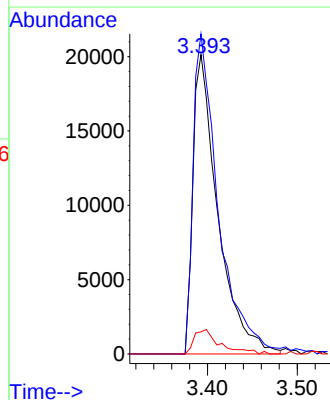
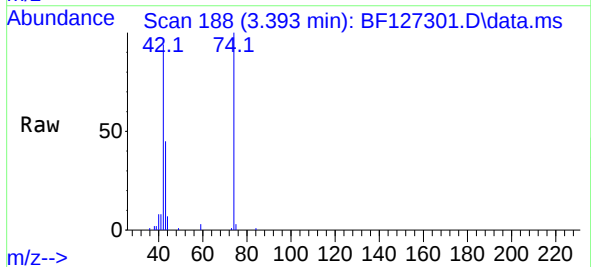
Tgt Ion: 42 Resp: 38855

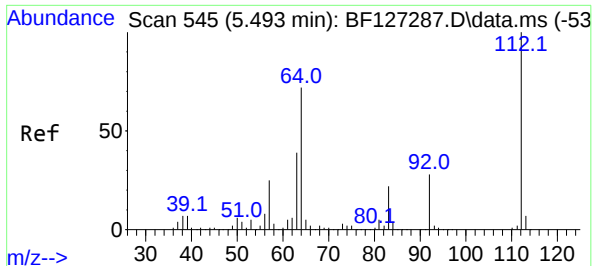
Ion Ratio Lower Upper

42 100

74 106.9 125.6 188.4

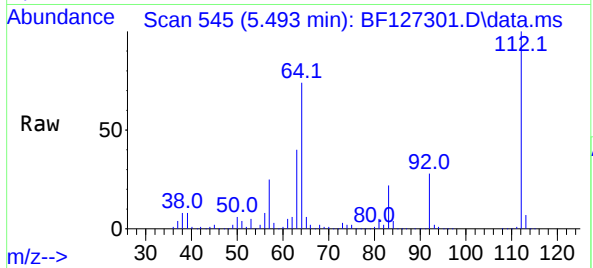
44 7.4 5.7 8.5





#5
2-Fluorophenol
Concen: 77.247 ng
RT: 5.493 min Scan# 545
Delta R.T. -0.000 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

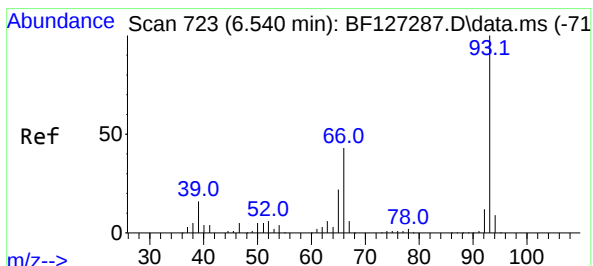
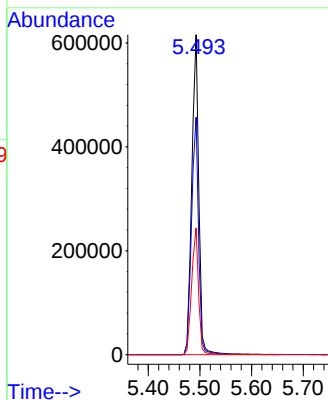
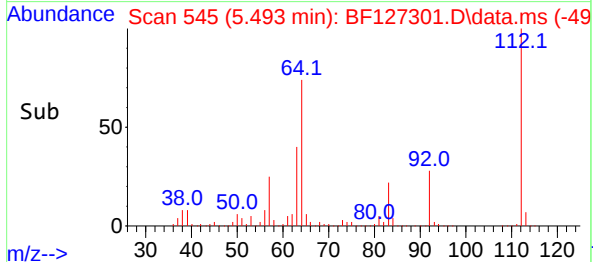
Instrument :
BNA_F
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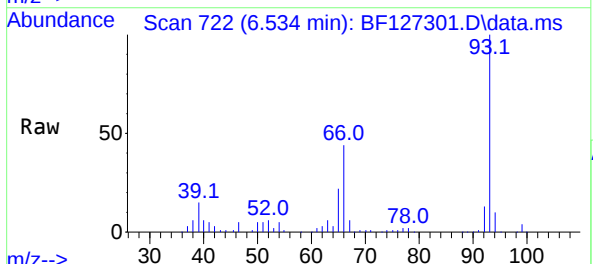
Tgt Ion:112 Resp: 57994
Ion Ratio Lower Upper
112 100
64 74.3 49.5 74.3
63 39.7 23.9 35.9

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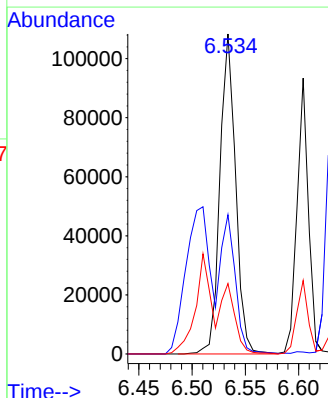
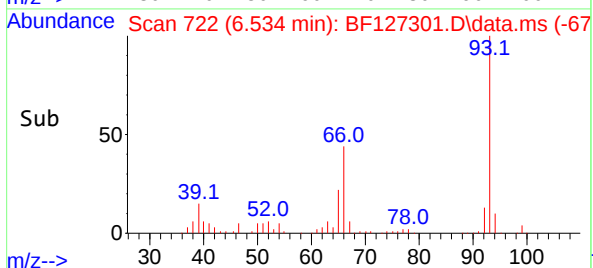
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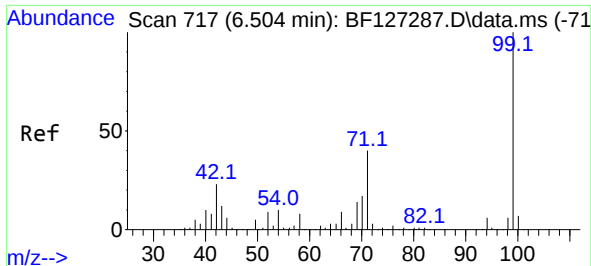


#6
Aniline
Concen: 8.970 ng
RT: 6.534 min Scan# 722
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53



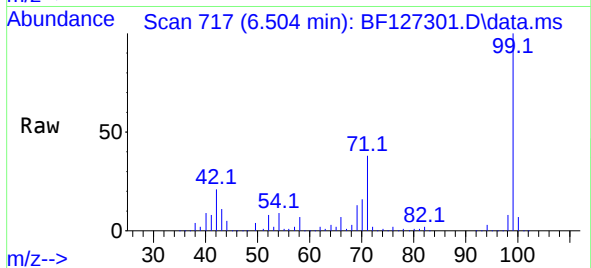
Tgt Ion: 93 Resp: 110715
Ion Ratio Lower Upper
93 100
66 43.5 32.2 48.4
65 22.0 16.3 24.5





#7
Phenol-d6
Concen: 78.025 ng
RT: 6.504 min Scan# 717
Delta R.T. -0.000 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

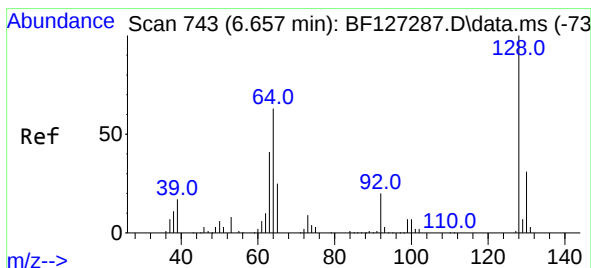
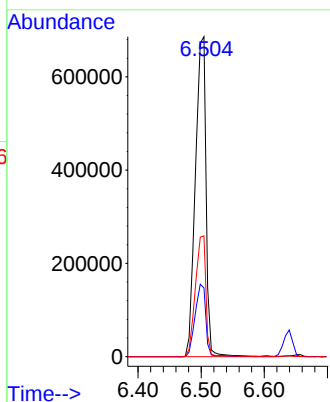
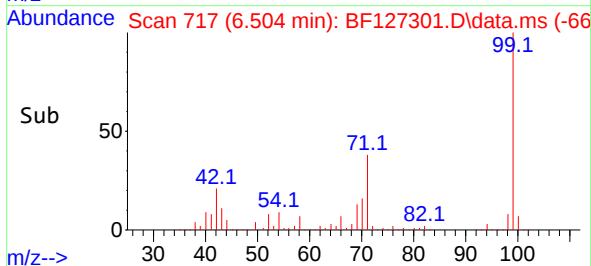
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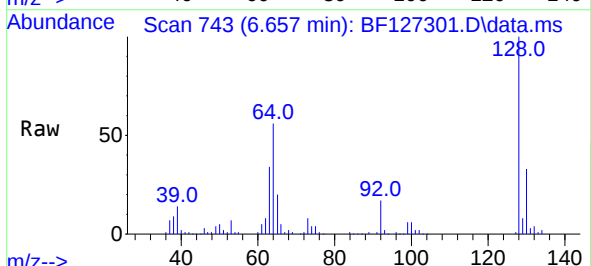
Tgt Ion: 99 Resp: 805838
Ion Ratio Lower Upper
99 100
42 21.5 14.2 21.4
71 37.8 24.3 36.5

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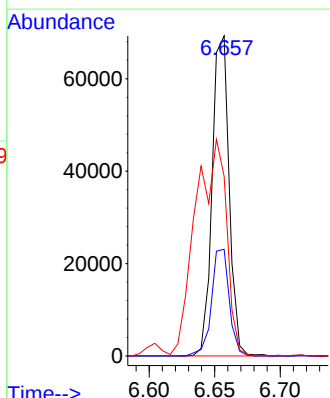
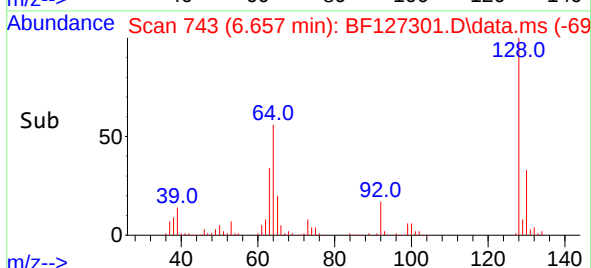
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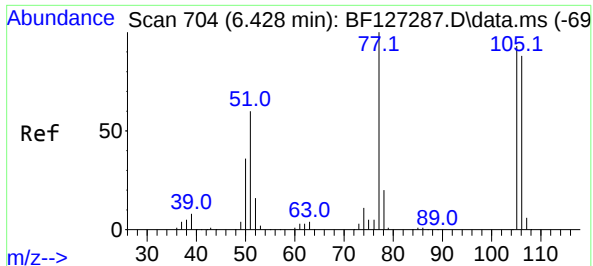


#8
2-Chlorophenol
Concen: 8.037 ng
RT: 6.657 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53



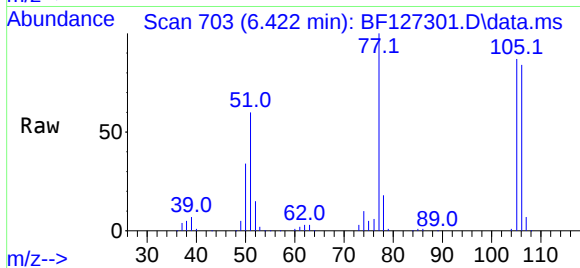
Tgt Ion:128 Resp: 62418
Ion Ratio Lower Upper
128 100
130 33.4 12.7 52.7
64 56.1 35.6 75.6





#9
Benzaldehyde
Concen: 10.456 ng
RT: 6.422 min Scan# 704
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

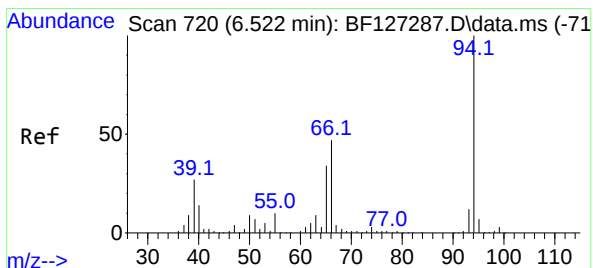
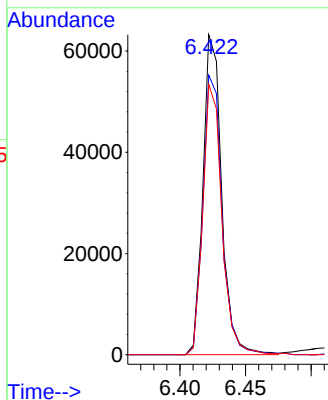
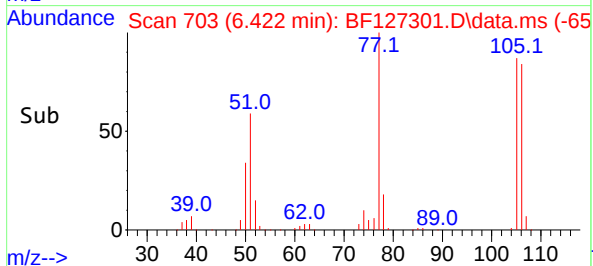
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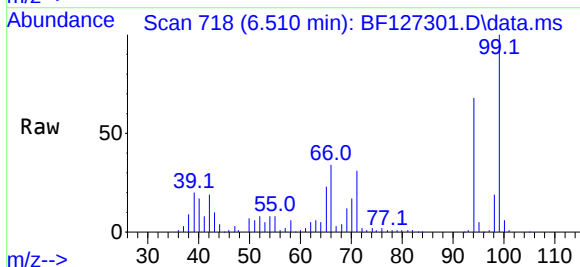
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Ion Ratio Lower Upper
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105 87.4 74.9 114.9
106 84.4 72.4 112.4

Manual Integrations
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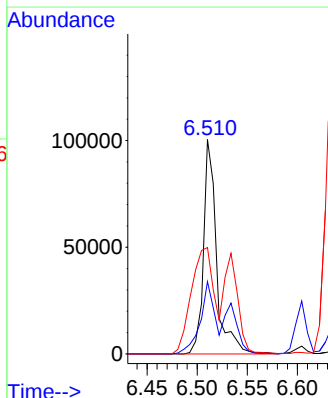
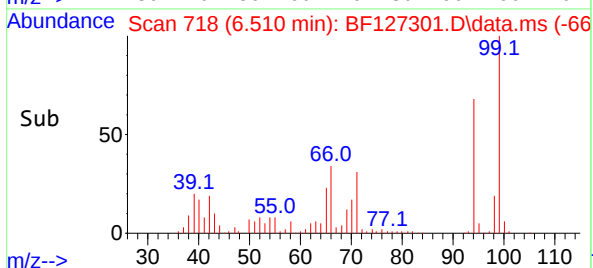
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

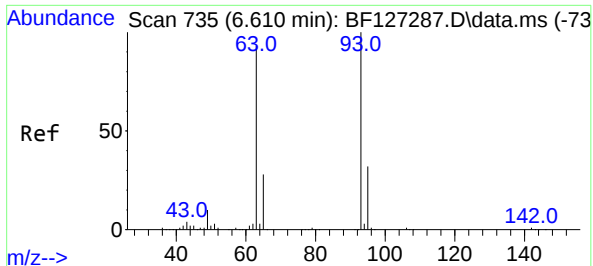


#10
Phenol
Concen: 8.086 ng
RT: 6.510 min Scan# 718
Delta R.T. -0.012 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53



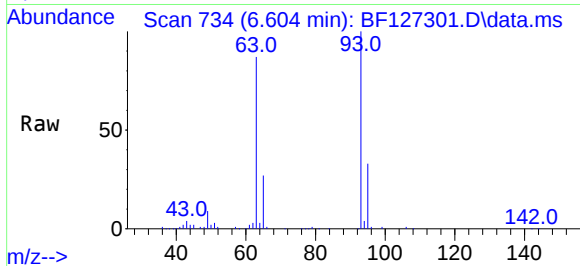
Tgt Ion: 94 Resp: 91741
Ion Ratio Lower Upper
94 100
65 33.8 7.2 47.2
66 49.6 14.5 54.5





#11
bis(2-Chloroethyl)ether
Concen: 8.234 ng
RT: 6.604 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

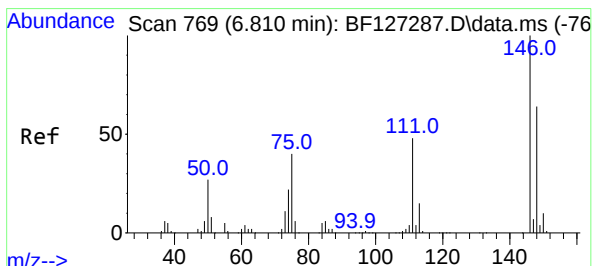
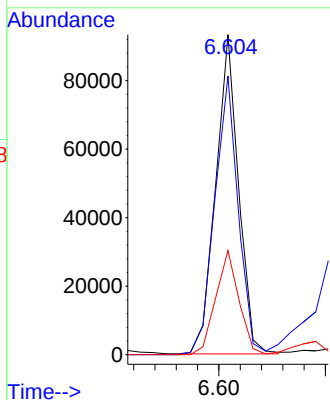
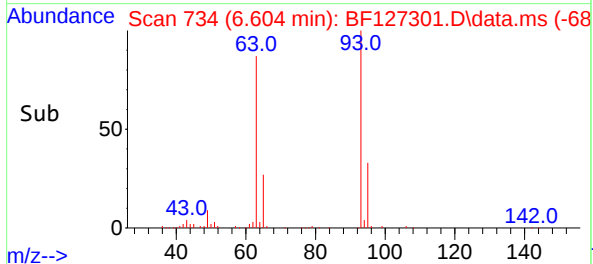
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2022



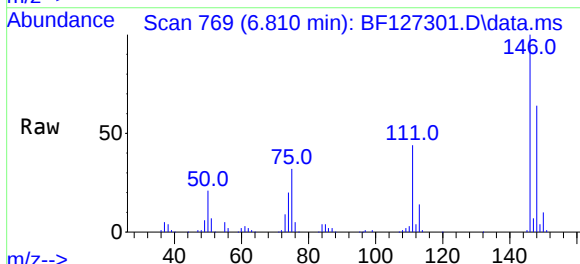
Tgt Ion: 93 Resp: 69374
Ion Ratio Lower Upper
93 100
63 87.1 60.5 100.5
95 32.6 12.9 52.9

Manual Integrations
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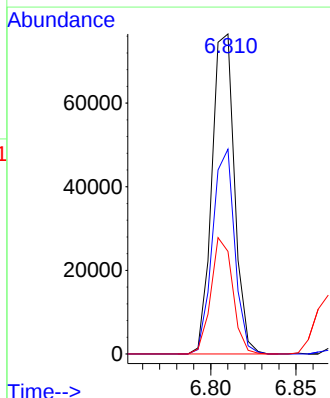
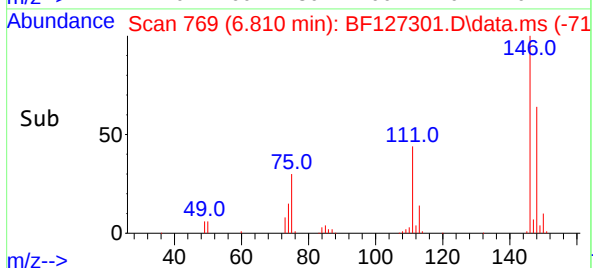
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

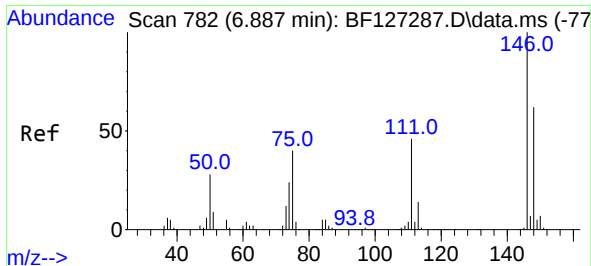


#12
1,3-Dichlorobenzene
Concen: 8.133 ng
RT: 6.810 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53



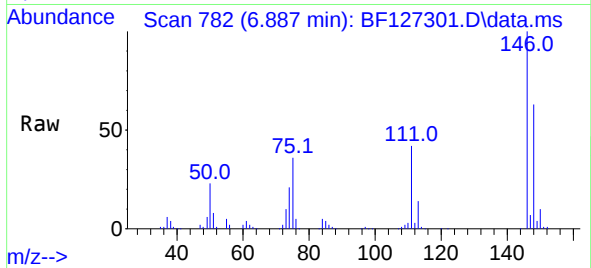
Tgt Ion:146 Resp: 70904
Ion Ratio Lower Upper
146 100
148 64.0 50.9 76.3
75 32.0 28.4 42.6





#13
1,4-Dichlorobenzene
Concen: 8.195 ng
RT: 6.887 min Scan# 71678
Delta R.T. -0.000 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

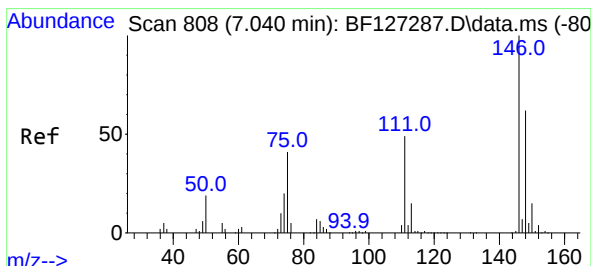
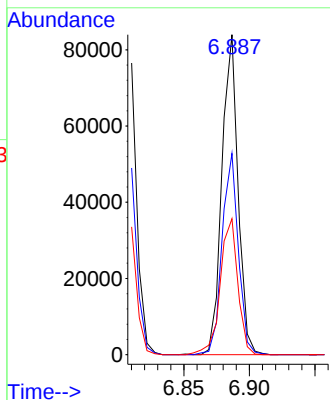
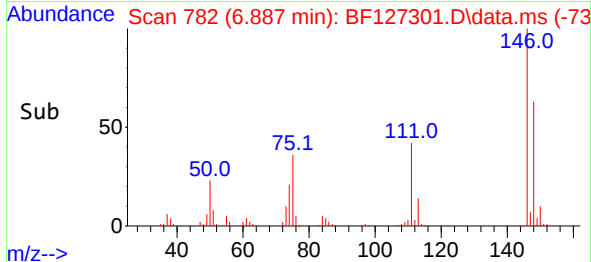
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2022



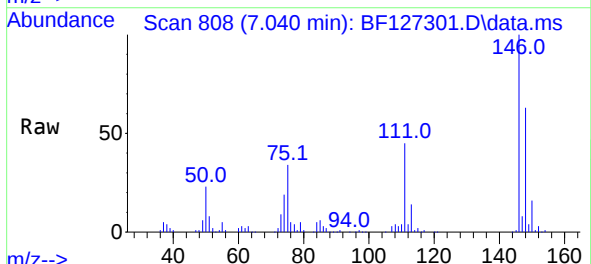
Tgt Ion:146 Resp: 71678
Ion Ratio Lower Upper
146 100
148 62.9 49.8 74.6
111 42.5 36.1 54.1

Manual Integrations
APPROVED

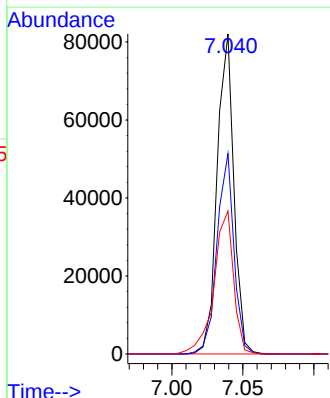
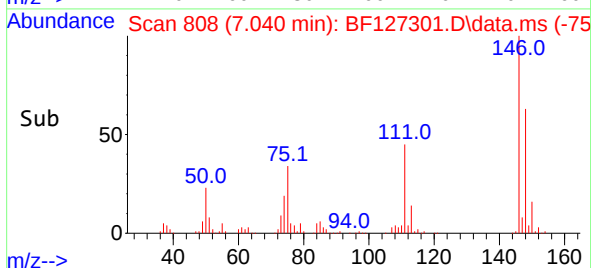
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

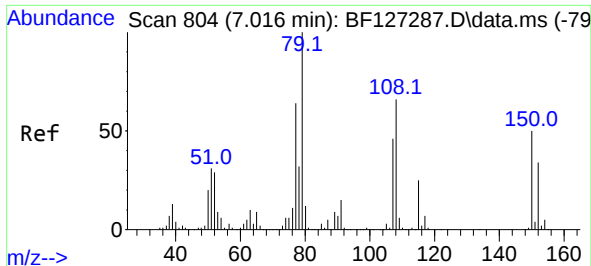


#14
1,2-Dichlorobenzene
Concen: 8.129 ng
RT: 7.040 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53



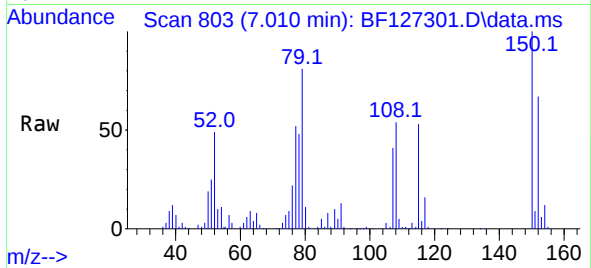
Tgt Ion:146 Resp: 66918
Ion Ratio Lower Upper
146 100
148 62.6 51.6 77.4
111 44.6 40.2 60.2





#15
Benzyl Alcohol
Concen: 7.970 ng
RT: 7.010 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

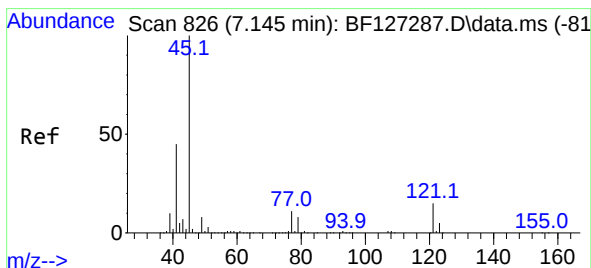
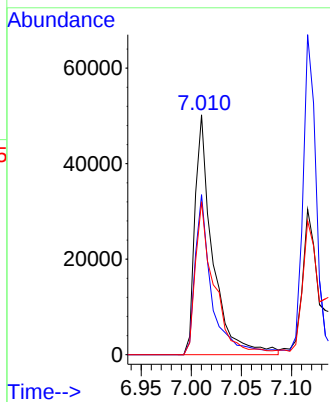
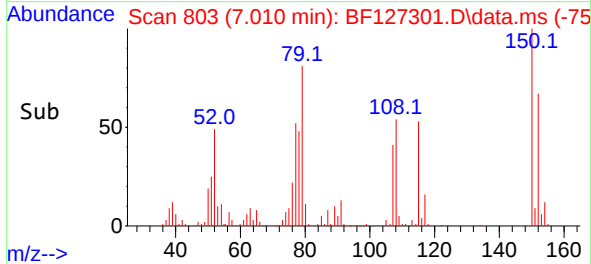
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion: 79 Resp: 61700
Ion Ratio Lower Upper
79 100
108 66.7 63.2 94.8
77 63.8 49.4 74.2

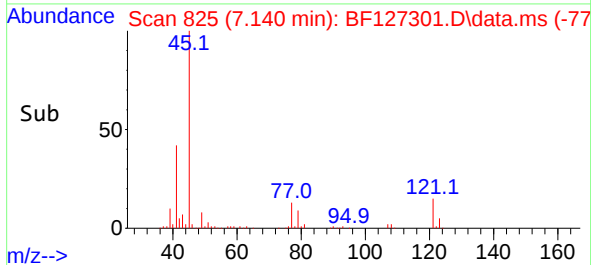
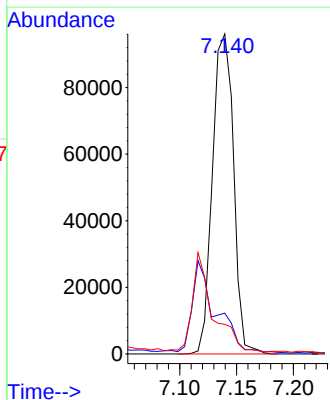
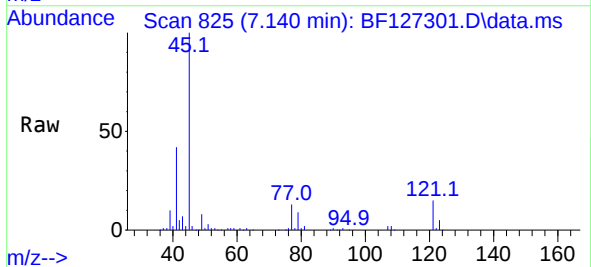
Manual Integrations
APPROVED

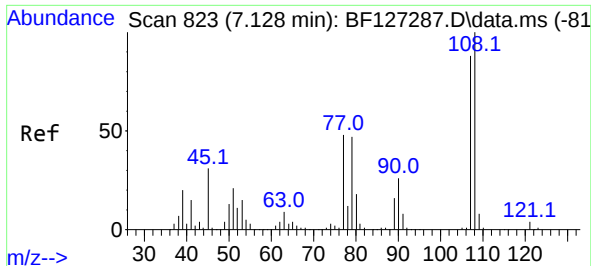
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.844 ng
RT: 7.140 min Scan# 825
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

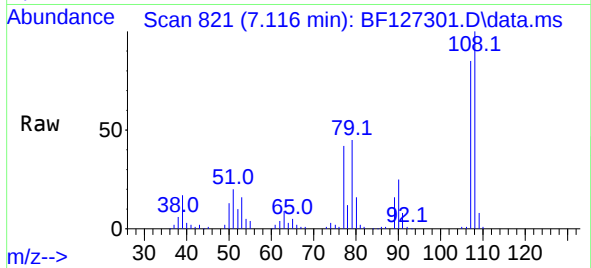
Tgt Ion: 45 Resp: 124017
Ion Ratio Lower Upper
45 100
77 12.8 0.0 32.4
79 9.3 0.0 29.8





#17
2-Methylphenol
Concen: 7.930 ng
RT: 7.116 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

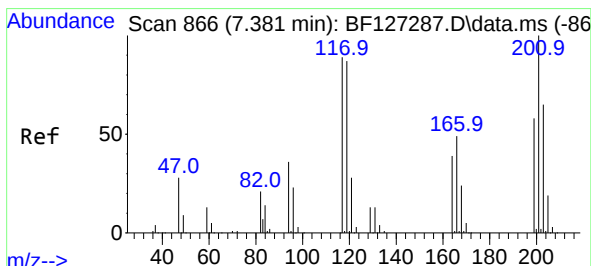
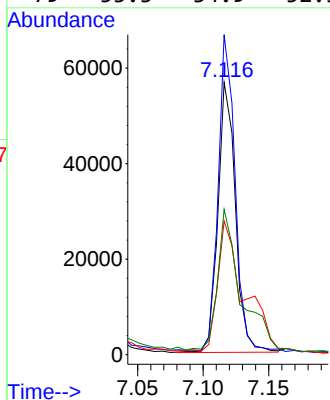
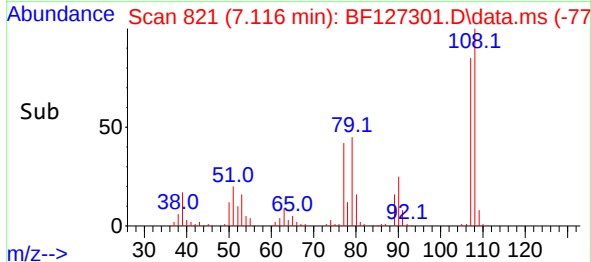
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:107 Resp: 52360
Ion Ratio Lower Upper
107 100
108 117.5 93.4 140.0
77 49.1 36.1 54.1
79 53.3 34.9 52.3#

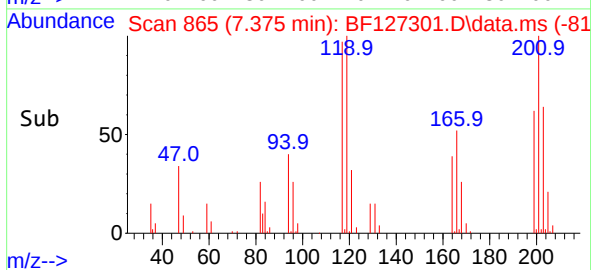
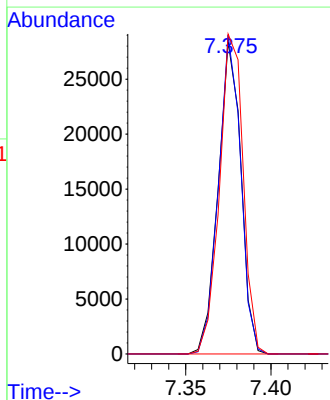
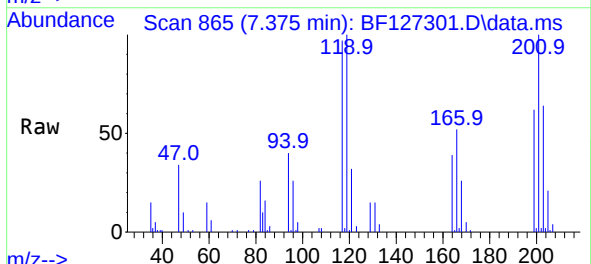
Manual Integrations
APPROVED

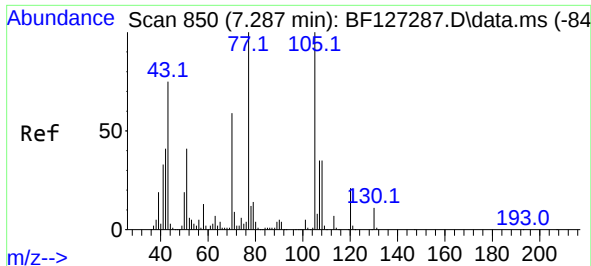
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#18
Hexachloroethane
Concen: 7.860 ng
RT: 7.375 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

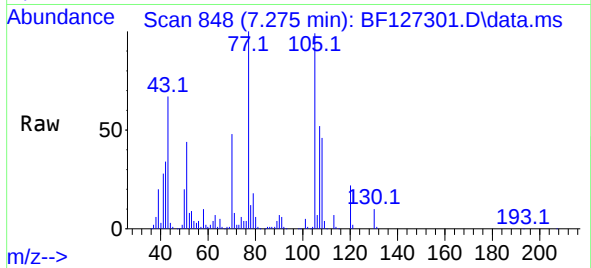
Tgt Ion:117 Resp: 26408
Ion Ratio Lower Upper
117 100
119 102.2 75.4 113.0
201 102.6 56.8 85.2#





#19
n-Nitroso-di-n-propylamine
Concen: 8.189 ng
RT: 7.275 min Scan# 848
Delta R.T. -0.012 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

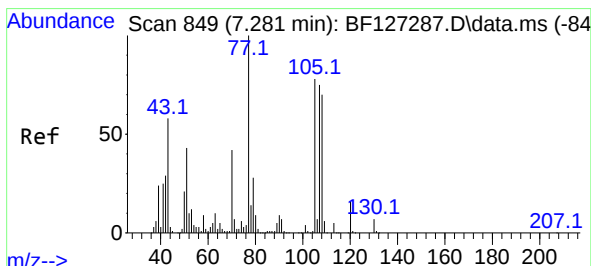
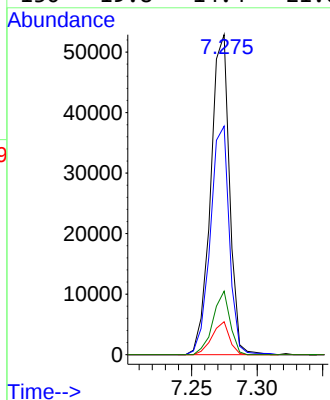
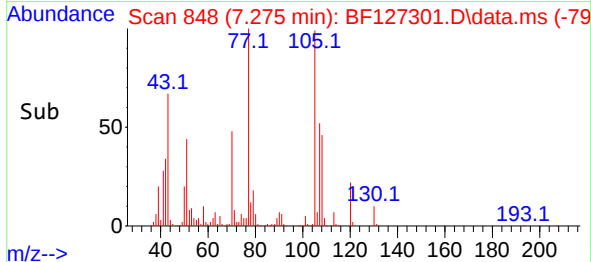
Instrument : BNA_F
ClientSampleId : LOQ-SOIL-02-QT1-2022



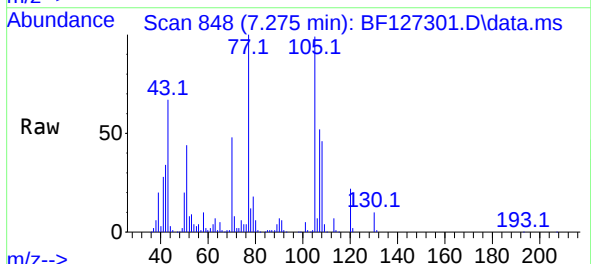
Tgt Ion: 70 Resp: 5277
Ion Ratio Lower Upper
70 100
42 71.4 45.8 68.8
101 10.3 6.9 10.3
130 19.8 14.4 21.6

Manual Integrations
APPROVED

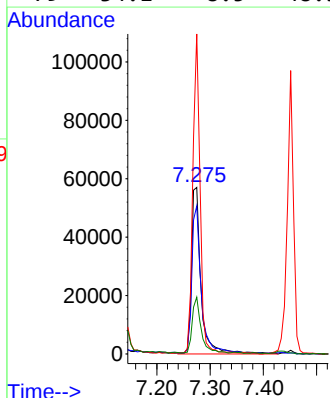
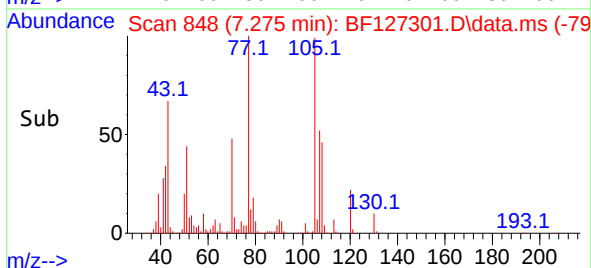
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

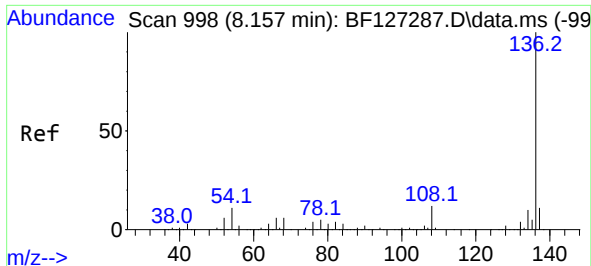


#20
3+4-Methylphenols
Concen: 8.312 ng
RT: 7.275 min Scan# 848
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53



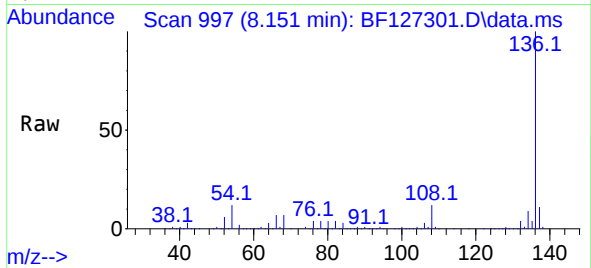
Tgt Ion:107 Resp: 71176
Ion Ratio Lower Upper
107 100
108 88.8 72.4 112.4
77 192.0 83.8 123.8
79 34.1 8.5 48.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 998
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

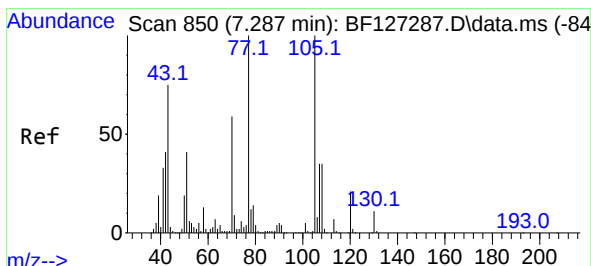
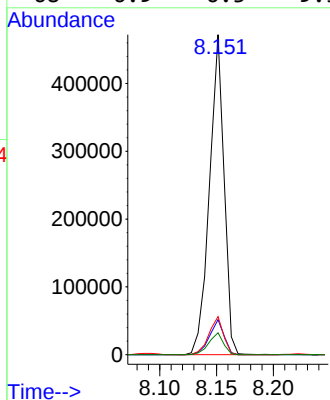
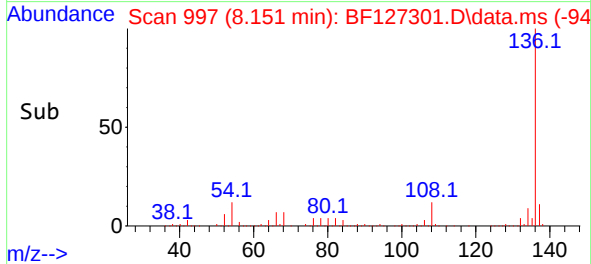
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:136 Resp: 42143
Ion Ratio Lower Upper
136 100
137 11.0 8.6 13.0
54 11.9 7.8 11.6
68 6.9 6.3 9.5

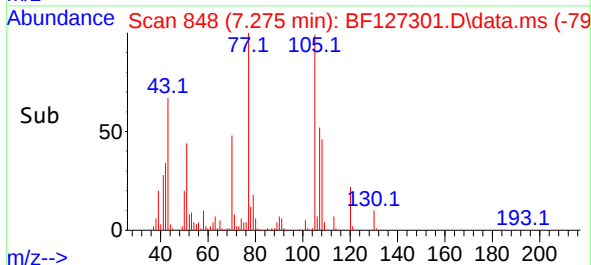
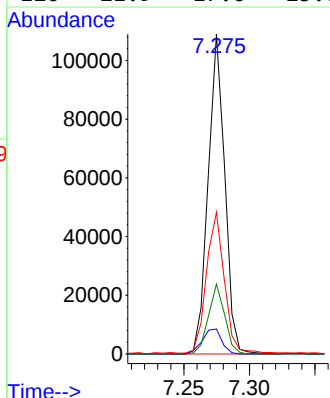
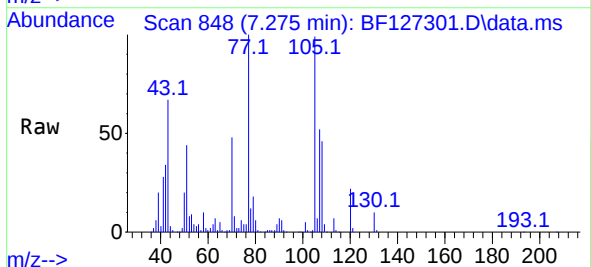
Manual Integrations
APPROVED

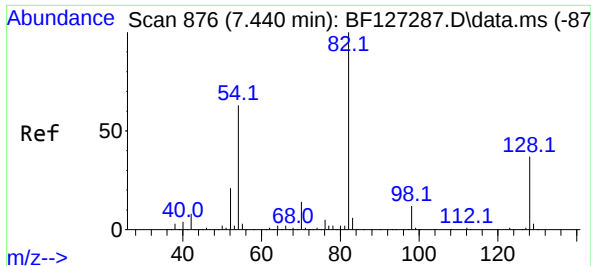
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#22
Acetophenone
Concen: 8.343 ng
RT: 7.275 min Scan# 848
Delta R.T. -0.012 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

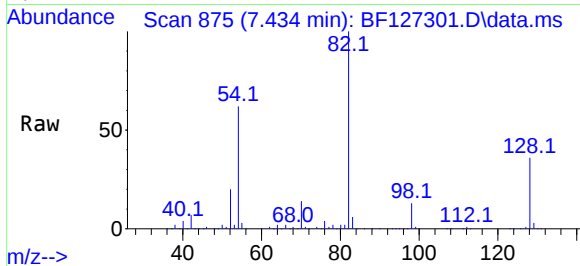
Tgt Ion:105 Resp: 96269
Ion Ratio Lower Upper
105 100
71 7.8 5.4 8.0
51 44.3 27.4 41.0
120 21.9 17.0 25.6





#23
Nitrobenzene-d5
Concen: 54.208 ng
RT: 7.434 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

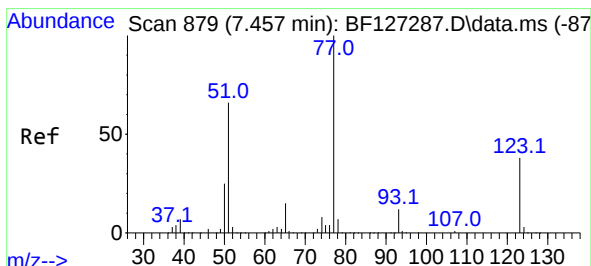
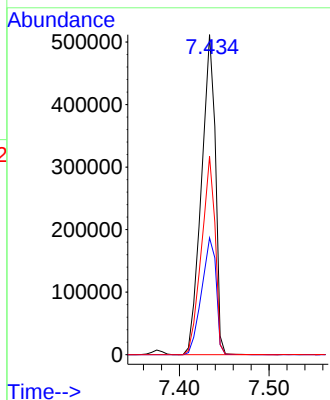
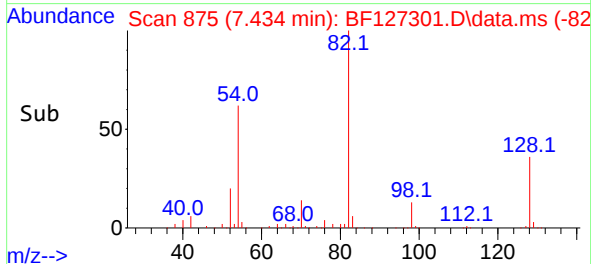
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2022



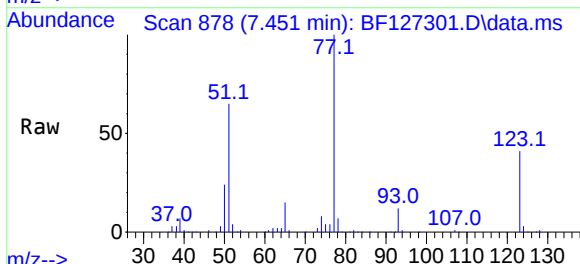
Tgt Ion: 82 Resp: 55317
Ion Ratio Lower Upper
82 100
128 36.5 32.7 49.1
54 61.9 41.7 62.5

Manual Integrations
APPROVED

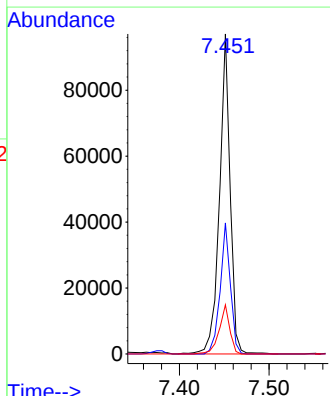
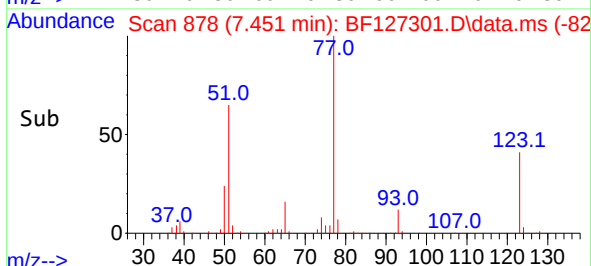
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

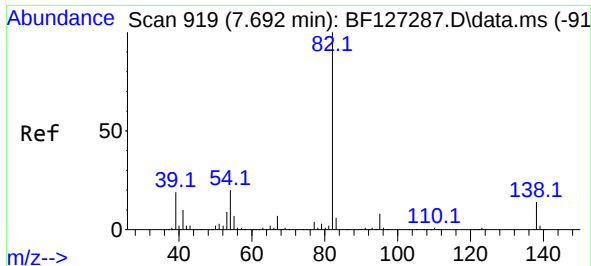


#24
Nitrobenzene
Concen: 8.309 ng
RT: 7.451 min Scan# 878
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53



Tgt Ion: 77 Resp: 80195
Ion Ratio Lower Upper
77 100
123 41.0 34.6 52.0
65 15.4 10.6 15.8





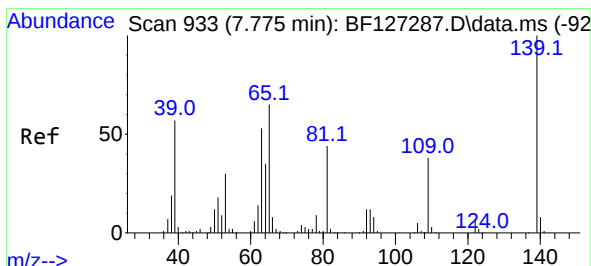
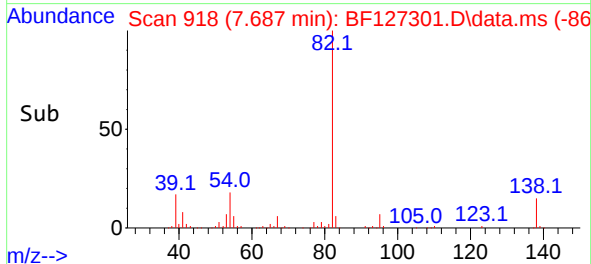
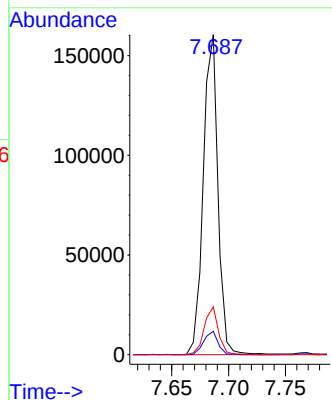
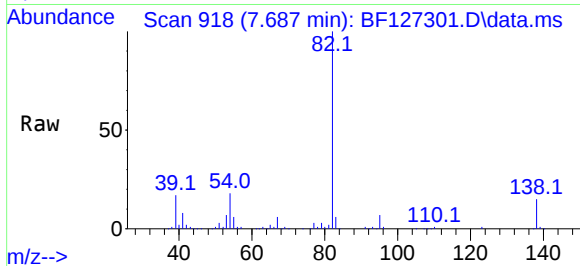
#25
Isophorone
Concen: 8.749 ng
RT: 7.687 min Scan# 919
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

Instrument : BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2022

Tgt Ion: 82 Resp: 143568
Ion Ratio Lower Upper
82 100
95 7.3 5.0 7.4
138 15.0 12.3 18.5

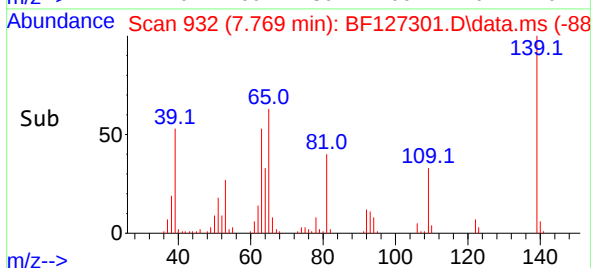
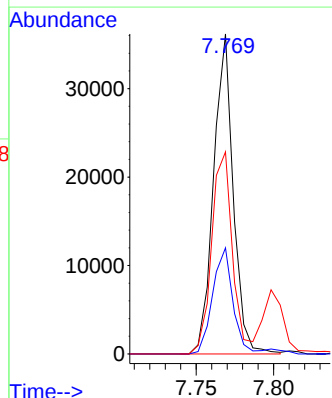
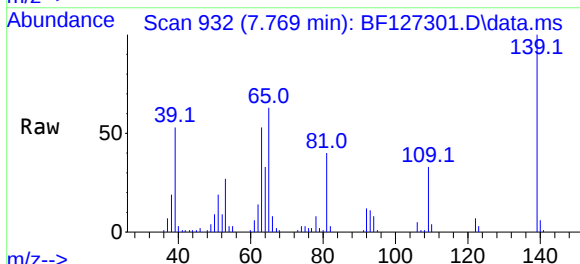
Manual Integrations
APPROVED

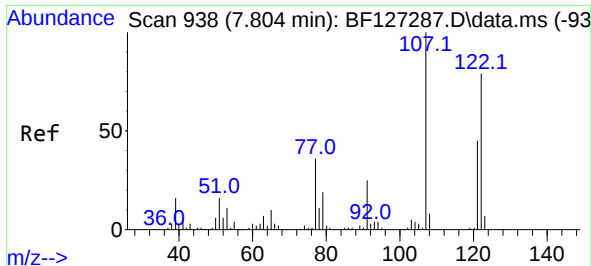
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#26
2-Nitrophenol
Concen: 7.998 ng
RT: 7.769 min Scan# 932
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

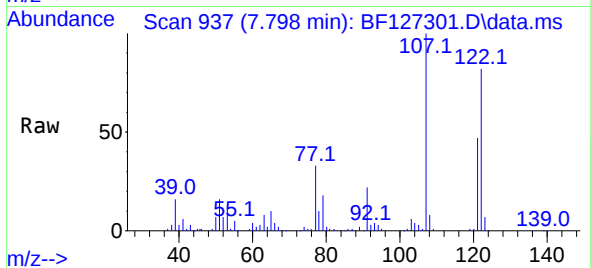
Tgt Ion:139 Resp: 31968
Ion Ratio Lower Upper
139 100
109 33.2 20.0 30.0#
65 63.1 40.8 61.2#





#27
2,4-Dimethylphenol
Concen: 9.467 ng
RT: 7.798 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

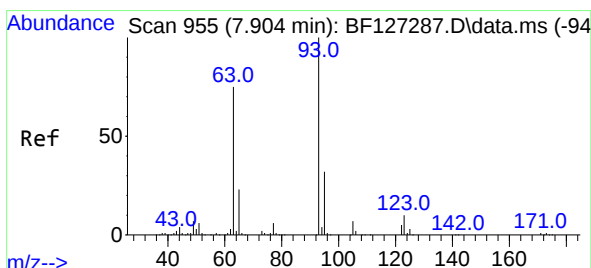
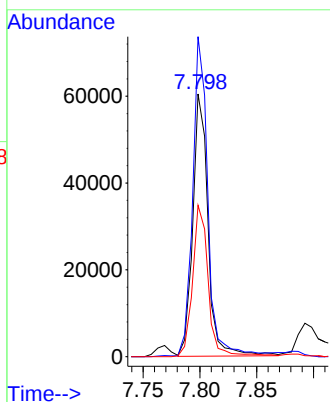
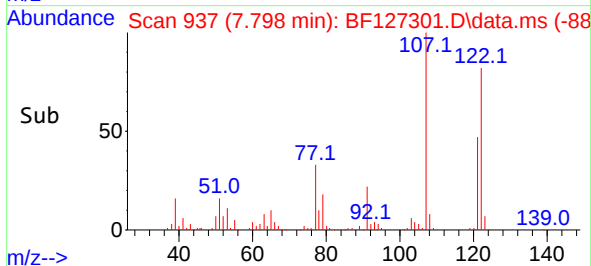
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2022



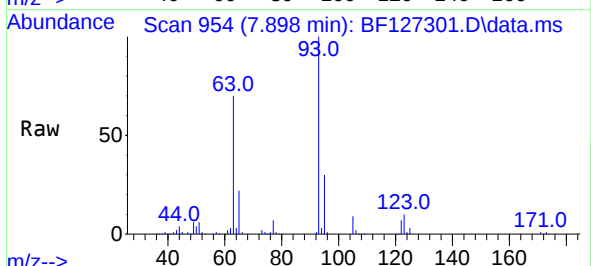
Tgt Ion:122 Resp: 5680
Ion Ratio Lower Upper
122 100
107 121.8 91.2 136.8
121 57.6 44.4 66.6

Manual Integrations
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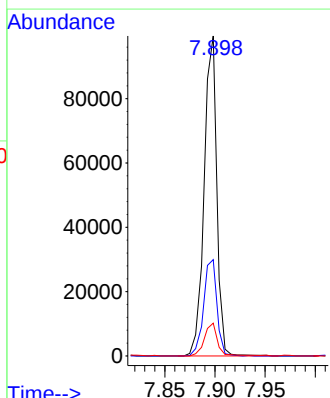
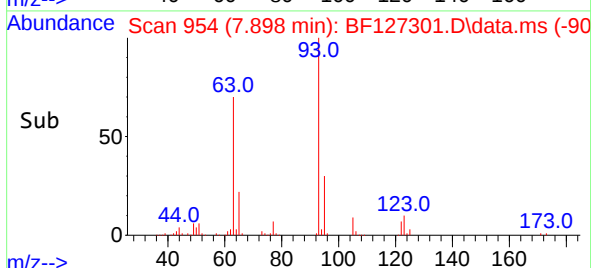
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

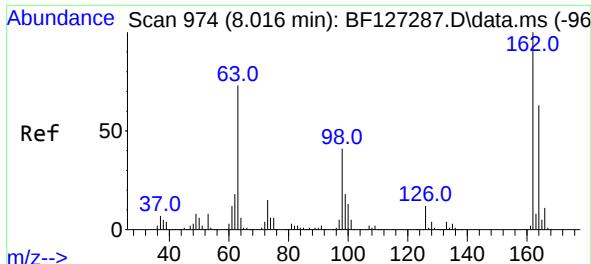


#28
bis(2-Chloroethoxy)methane
Concen: 8.446 ng
RT: 7.898 min Scan# 954
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53



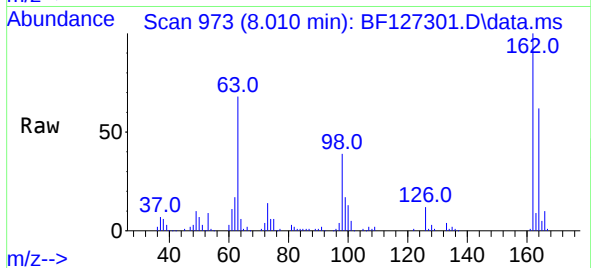
Tgt Ion: 93 Resp: 87813
Ion Ratio Lower Upper
93 100
95 30.1 25.4 38.2
123 10.3 8.9 13.3





#29
2,4-Dichlorophenol
Concen: 8.229 ng
RT: 8.010 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

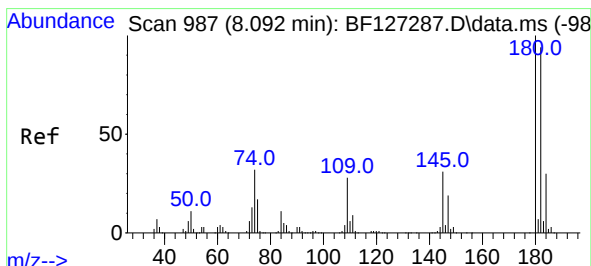
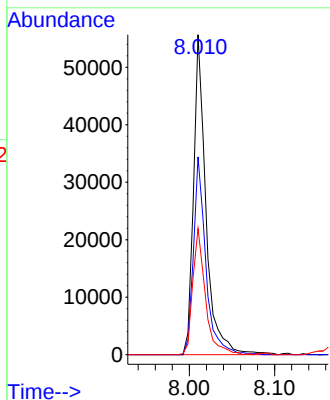
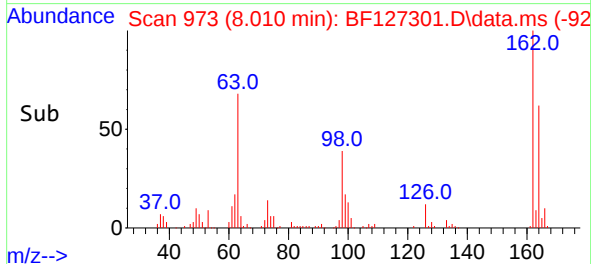
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2022



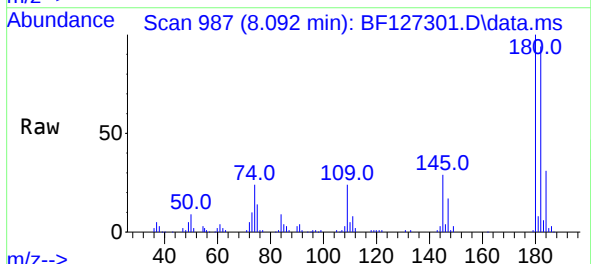
Tgt Ion:162 Resp: 56549
Ion Ratio Lower Upper
162 100
164 61.8 43.8 83.8
98 39.5 23.6 63.6

Manual Integrations
APPROVED

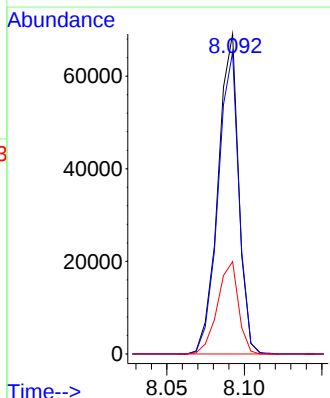
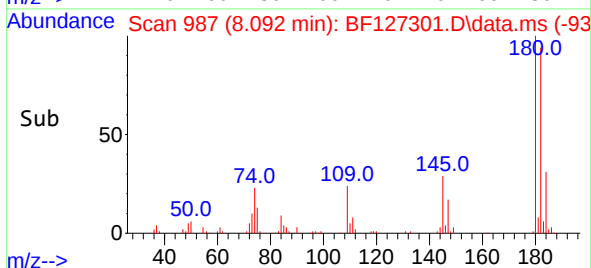
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

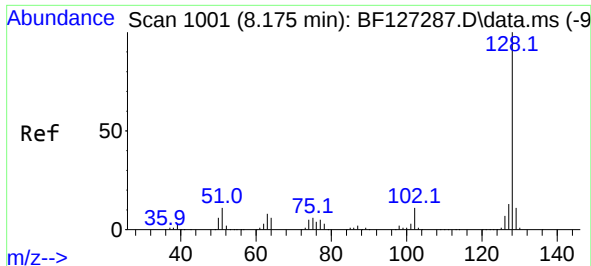


#30
1,2,4-Trichlorobenzene
Concen: 8.168 ng
RT: 8.092 min Scan# 987
Delta R.T. -0.000 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53



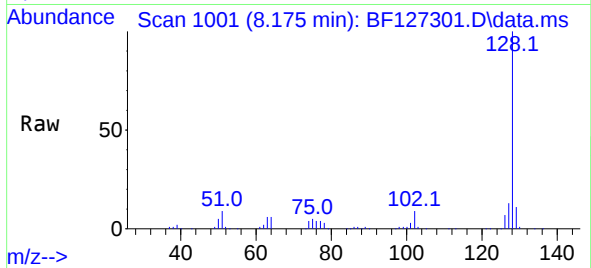
Tgt Ion:180 Resp: 63986
Ion Ratio Lower Upper
180 100
182 94.3 75.5 113.3
145 28.9 26.2 39.2





#31
Naphthalene
Concen: 8.559 ng
RT: 8.175 min Scan# 1001
Delta R.T. -0.000 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

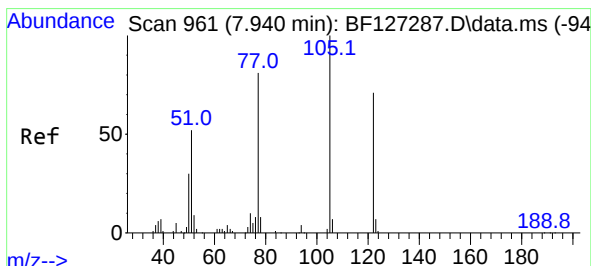
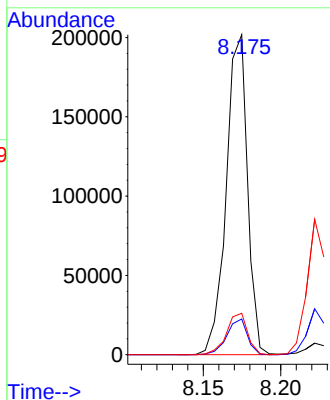
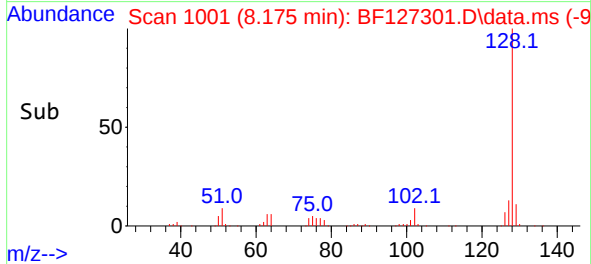
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:128 Resp: 192409
Ion Ratio Lower Upper
128 100
129 11.2 8.6 13.0
127 13.0 10.3 15.5

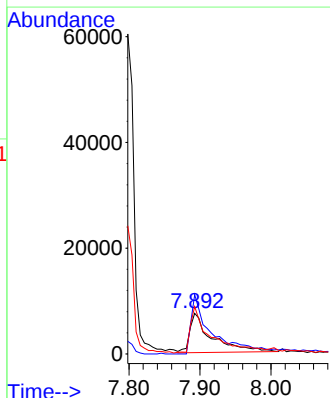
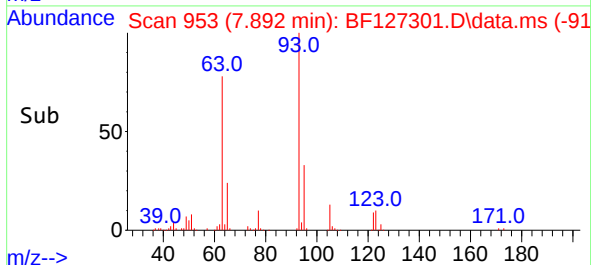
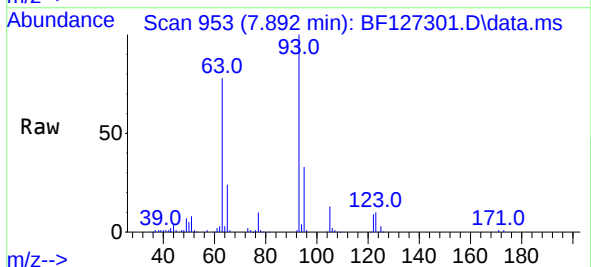
Manual Integrations
APPROVED

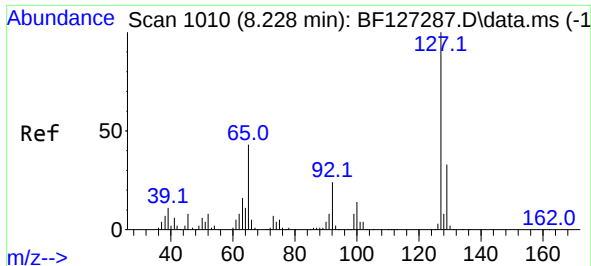
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#32
Benzoic acid
Concen: 4.299 ng
RT: 7.892 min Scan# 953
Delta R.T. -0.048 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

Tgt Ion:122 Resp: 16007
Ion Ratio Lower Upper
122 100
105 145.5 101.0 141.0#
77 116.6 74.5 114.5#





#33

4-Chloroaniline

Concen: 8.861 ng

RT: 8.222 min Scan# 1010

Delta R.T. -0.006 min

Lab File: BF127301.D

Acq: 11 Mar 2022 15:53

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2022

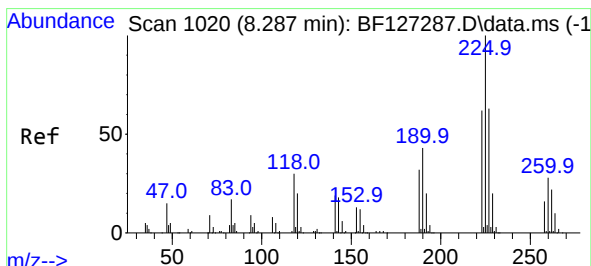
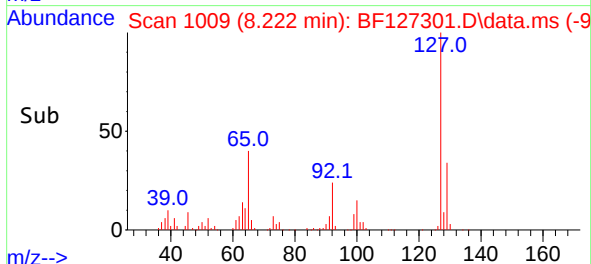
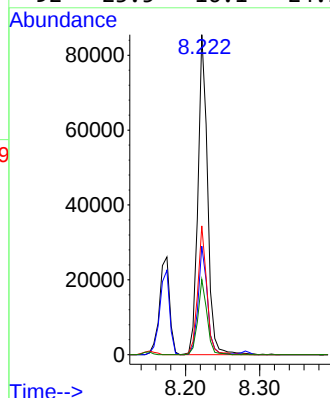
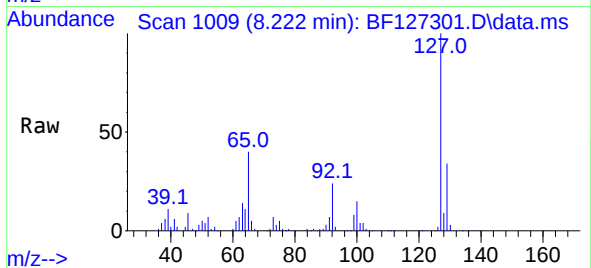
Tgt Ion:127	Resp: 77210
Ion Ratio	Lower Upper
127 100	
129 33.9	26.5 39.7
65 40.3	26.6 39.8
92 23.5	16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2022

Supervised By :Jagrut Upadhyay 03/14/2022



#34

Hexachlorobutadiene

Concen: 7.715 ng

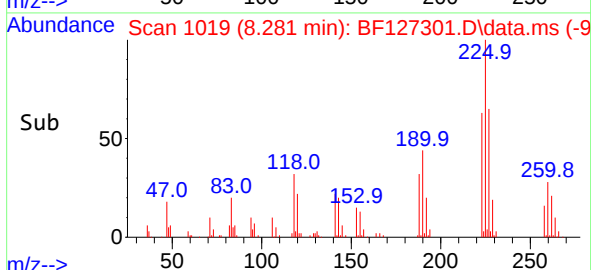
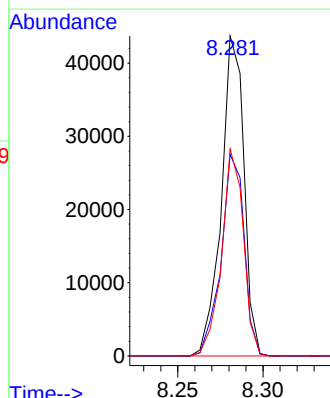
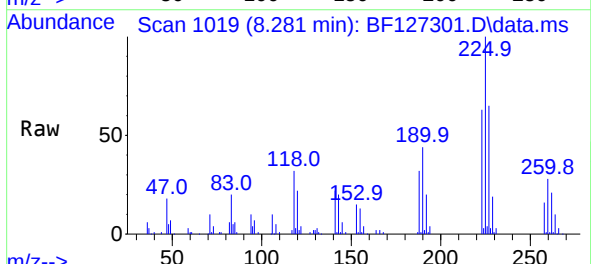
RT: 8.281 min Scan# 1019

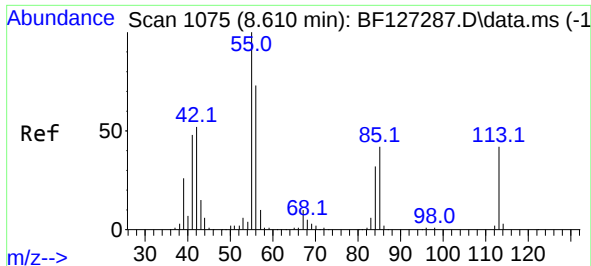
Delta R.T. -0.006 min

Lab File: BF127301.D

Acq: 11 Mar 2022 15:53

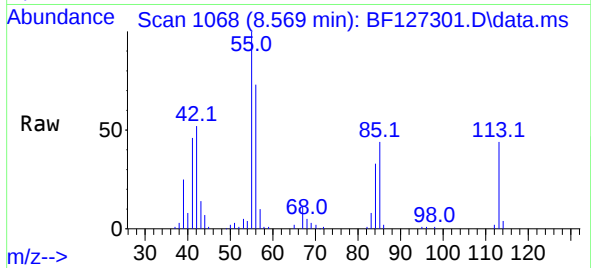
Tgt Ion:225	Resp: 40303
Ion Ratio	Lower Upper
225 100	
223 63.0	48.6 73.0
227 64.7	51.4 77.0





#35
Caprolactam
Concen: 8.104 ng
RT: 8.569 min Scan# 1068
Delta R.T. -0.041 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

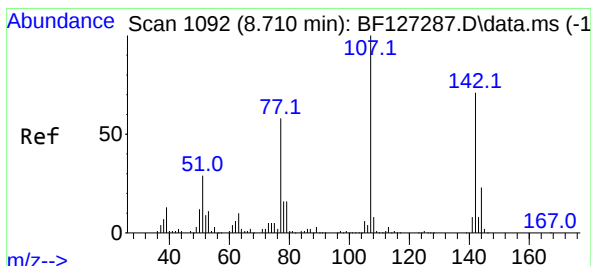
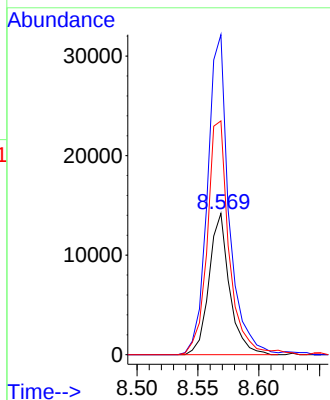
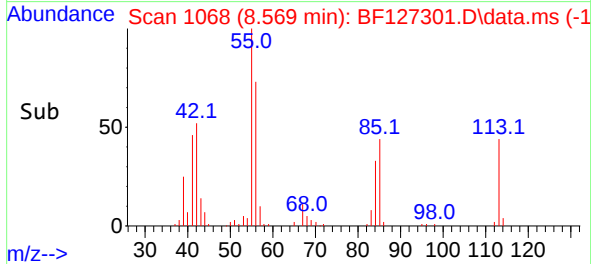
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:113 Resp: 16630
Ion Ratio Lower Upper
113 100
55 226.6 183.9 223.9
56 165.5 129.9 169.9

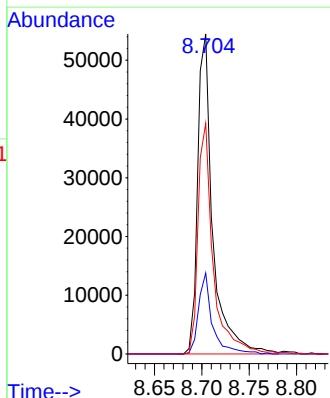
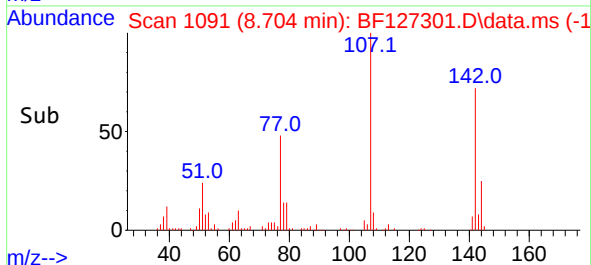
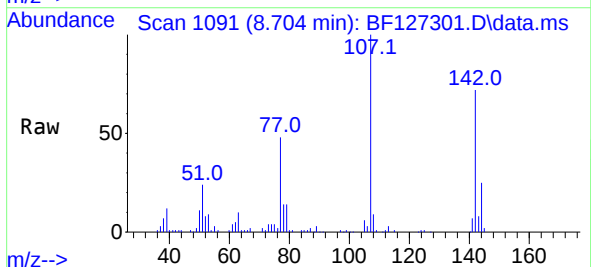
Manual Integrations
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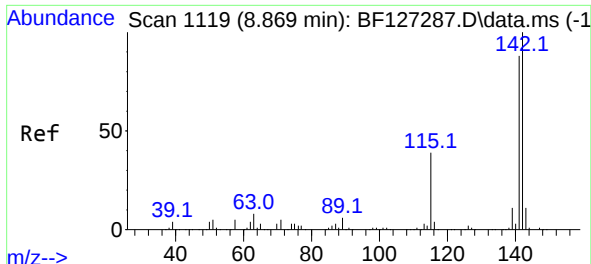
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#36
4-Chloro-3-methylphenol
Concen: 8.138 ng
RT: 8.704 min Scan# 1091
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

Tgt Ion:107 Resp: 60611
Ion Ratio Lower Upper
107 100
144 25.3 18.5 27.7
142 72.1 58.1 87.1





#37

2-Methylnaphthalene

Concen: 8.767 ng

RT: 8.863 min Scan# 1118

Delta R.T. -0.006 min

Lab File: BF127301.D

Acq: 11 Mar 2022 15:53

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2022

Tgt Ion:142 Resp: 12878

Ion Ratio Lower Upper

142 100

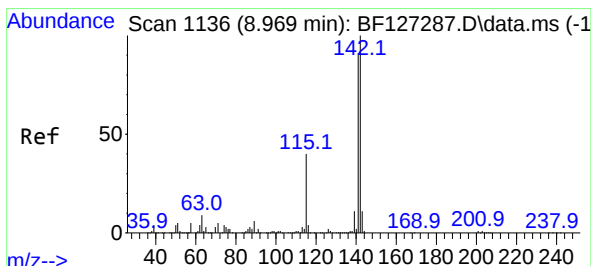
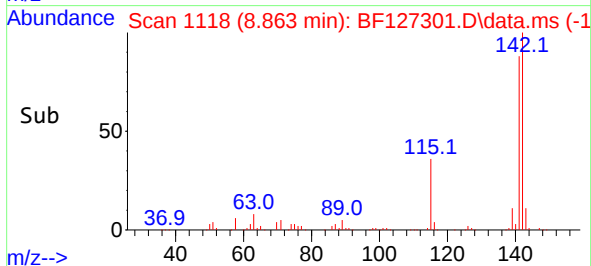
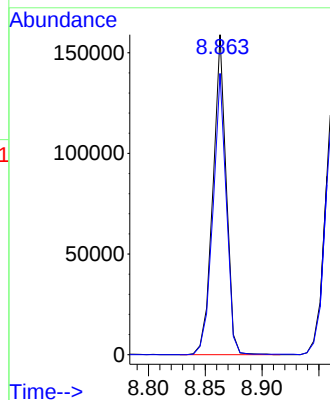
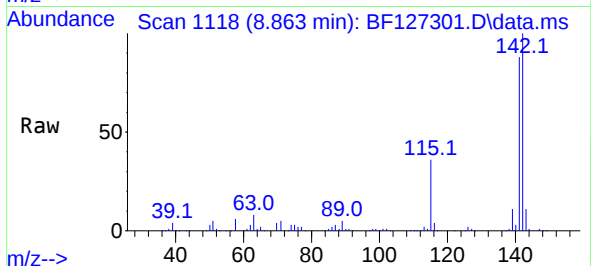
141 87.9 68.6 102.8

Manual Integrations

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Reviewed By :Christian Giraldo 03/14/2022

Supervised By :Jagrut Upadhyay 03/14/2022



#38

1-Methylnaphthalene

Concen: 8.600 ng

RT: 8.963 min Scan# 1135

Delta R.T. -0.006 min

Lab File: BF127301.D

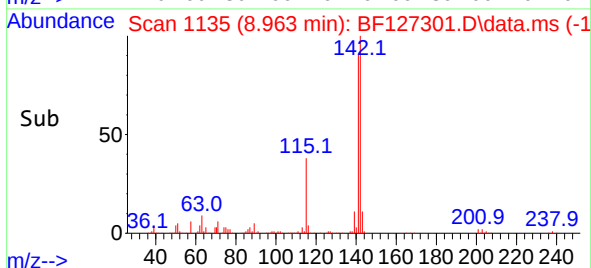
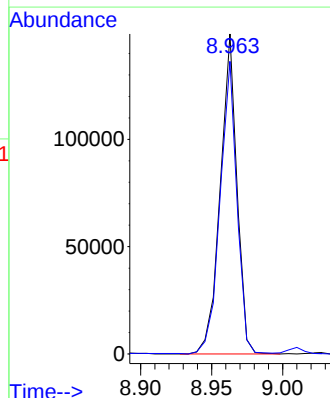
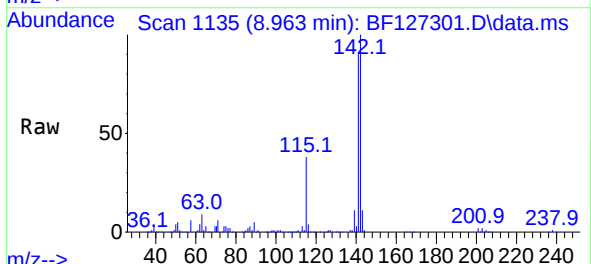
Acq: 11 Mar 2022 15:53

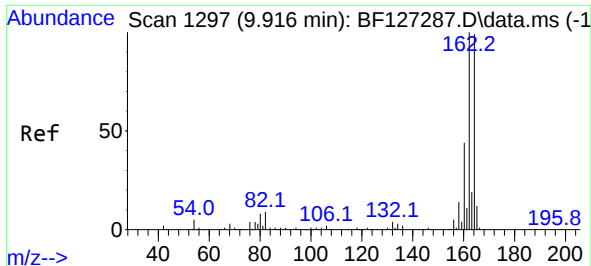
Tgt Ion:142 Resp: 121452

Ion Ratio Lower Upper

142 100

141 91.5 72.1 108.1





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.910 min Scan# 1146

Delta R.T. -0.006 min

Lab File: BF127301.D

Acq: 11 Mar 2022 15:53

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2022

Tgt Ion:164 Resp: 24619

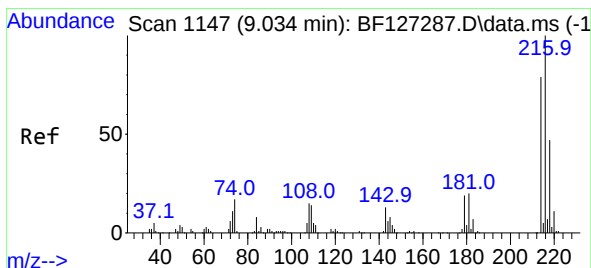
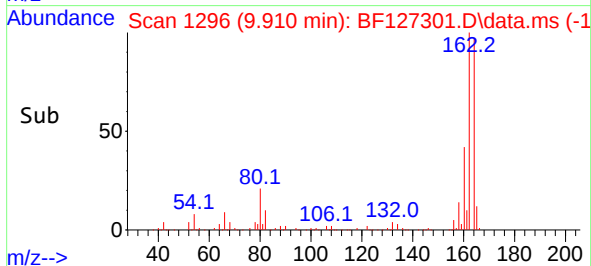
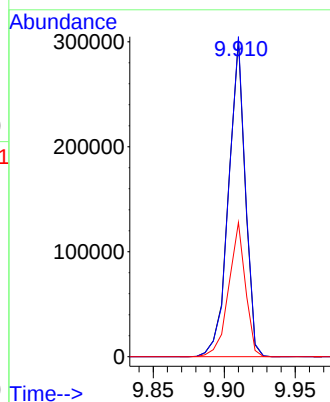
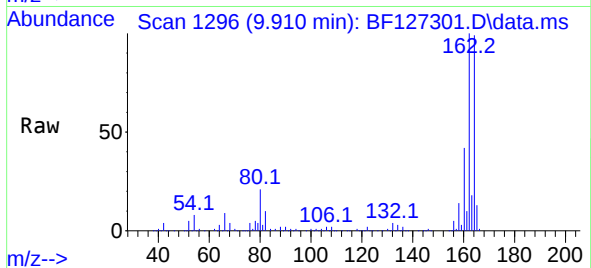
Ion	Ratio	Lower	Upper
164	100		
162	101.0	81.4	122.0
160	42.4	36.6	54.8

Manual Integrations

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Reviewed By :Christian Giraldo 03/14/2022

Supervised By :Jagrut Upadhyay 03/14/2022



#40

1,2,4,5-Tetrachlorobenzene

Concen: 8.588 ng

RT: 9.028 min Scan# 1146

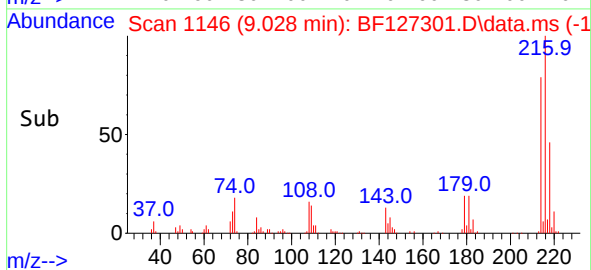
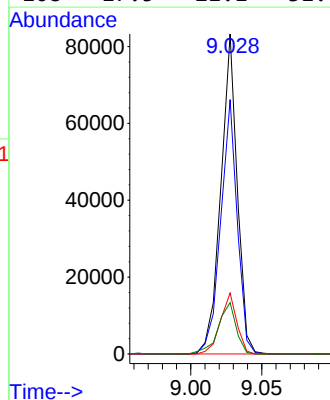
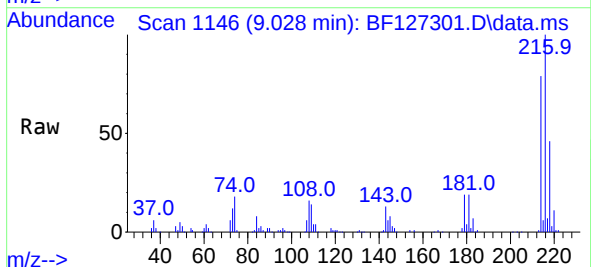
Delta R.T. -0.006 min

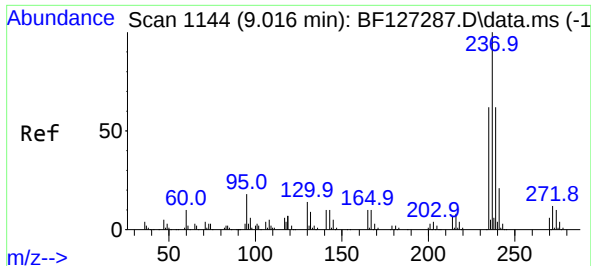
Lab File: BF127301.D

Acq: 11 Mar 2022 15:53

Tgt Ion:216 Resp: 66935

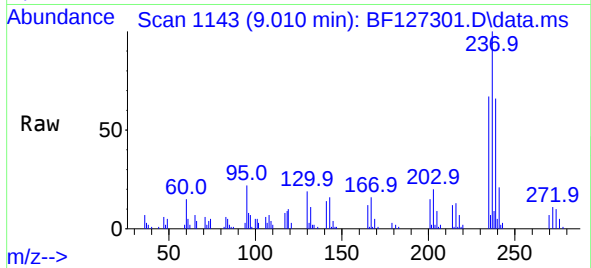
Ion	Ratio	Lower	Upper
216	100		
214	79.9	64.6	96.8
179	19.0	19.5	29.3#
108	17.5	21.1	31.7#





#41
Hexachlorocyclopentadiene
Concen: 6.130 ng
RT: 9.010 min Scan# 1143
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

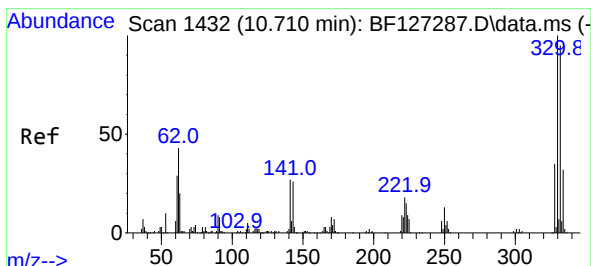
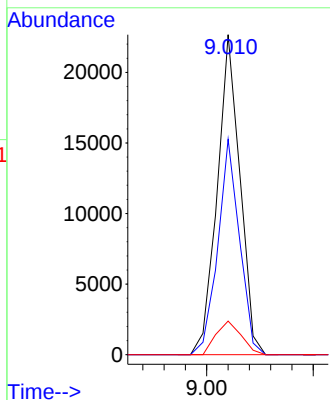
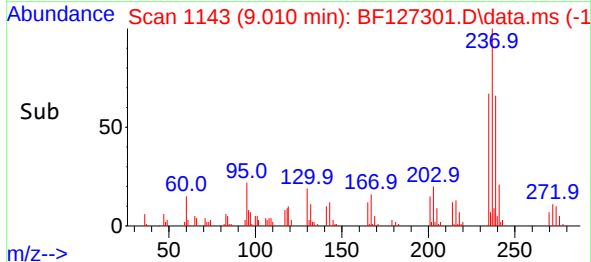
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2022



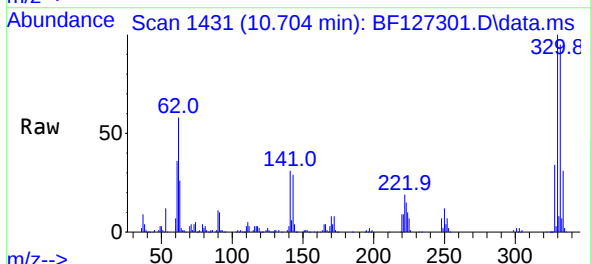
Tgt Ion:237 Resp: 16789
Ion Ratio Lower Upper
237 100
235 67.3 38.9 78.9
272 10.5 0.0 33.5

Manual Integrations
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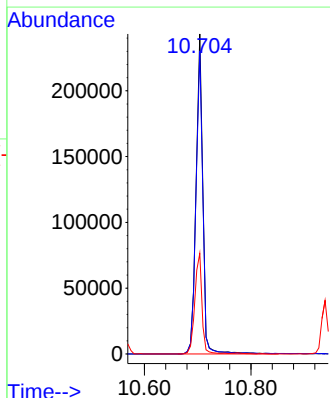
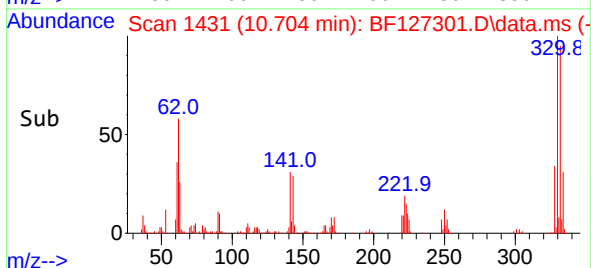
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

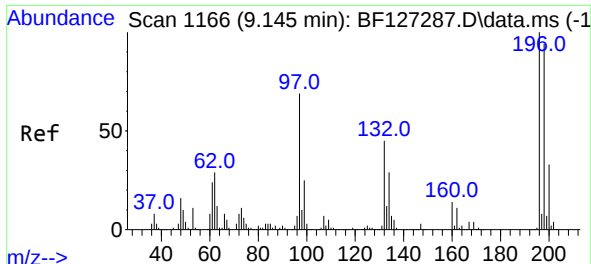


#42
2,4,6-Tribromophenol
Concen: 81.370 ng
RT: 10.704 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53



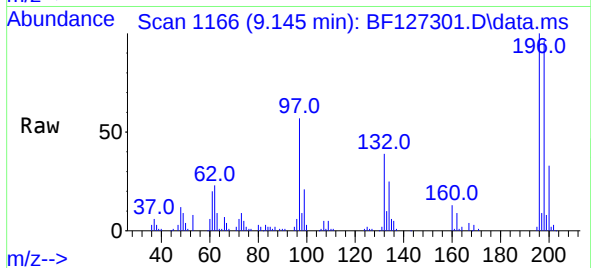
Tgt Ion:330 Resp: 215652
Ion Ratio Lower Upper
330 100
332 95.2 76.0 114.0
141 33.2 30.1 45.1





#43
2,4,6-Trichlorophenol
Concen: 7.650 ng
RT: 9.145 min Scan# 1166
Delta R.T. -0.000 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

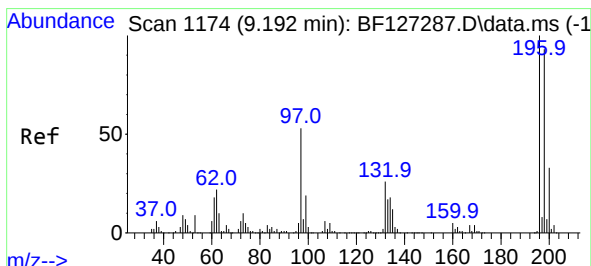
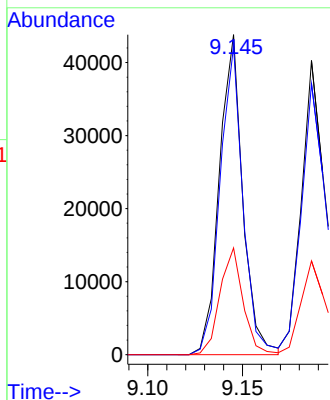
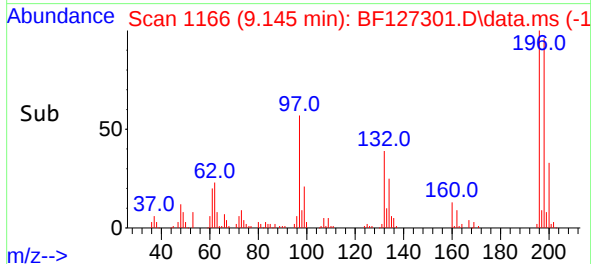
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2022



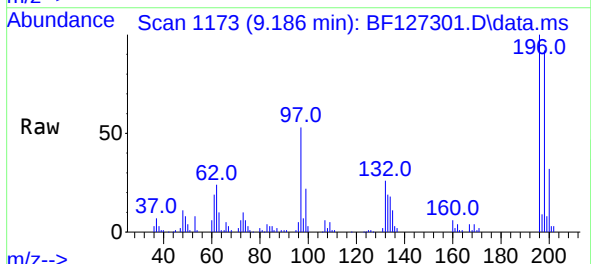
Tgt Ion:196 Resp: 3763
Ion Ratio Lower Upper
196 100
198 96.4 78.5 117.7
200 33.4 24.9 37.3

Manual Integrations
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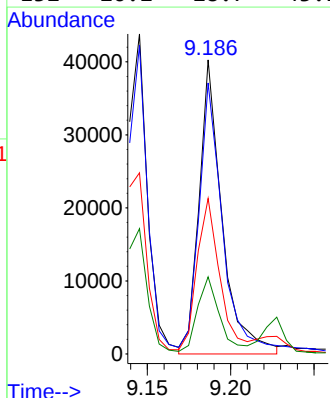
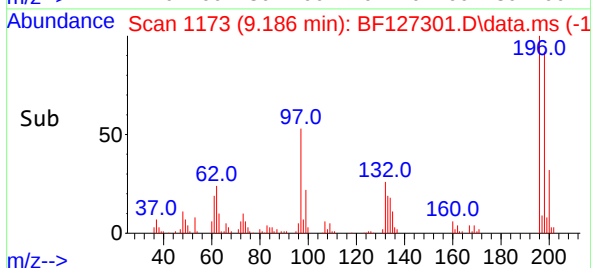
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

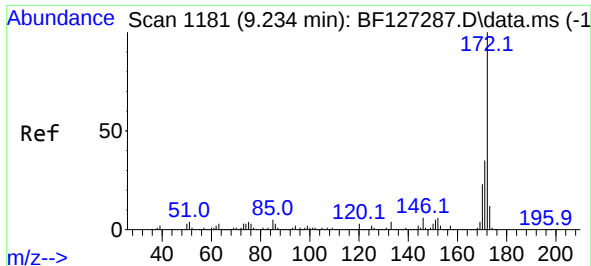


#44
2,4,5-Trichlorophenol
Concen: 7.442 ng m
RT: 9.186 min Scan# 1173
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53



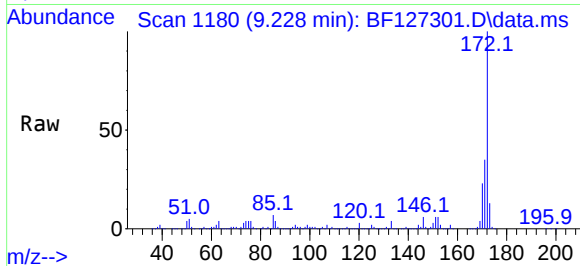
Tgt Ion:196 Resp: 38850
Ion Ratio Lower Upper
196 100
198 92.2 82.0 123.0
97 52.9 53.5 80.3#
132 26.2 28.7 43.1#





#45
2-Fluorobiphenyl
Concen: 53.834 ng
RT: 9.228 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

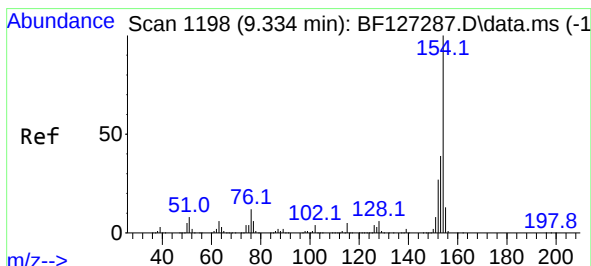
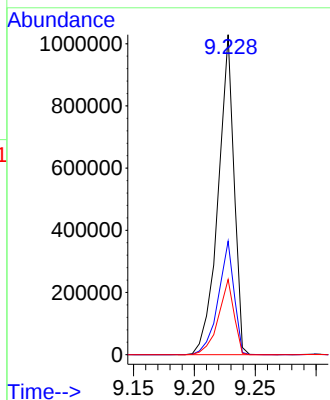
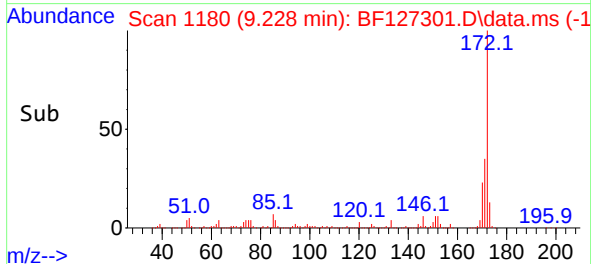
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2022



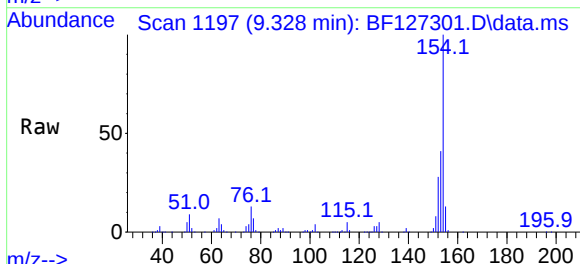
Tgt Ion:172 Resp: 937440
Ion Ratio Lower Upper
172 100
171 35.4 28.3 42.5
170 23.5 19.0 28.6

Manual Integrations
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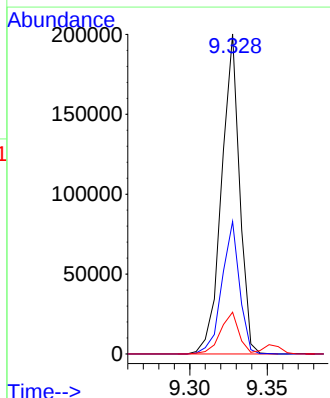
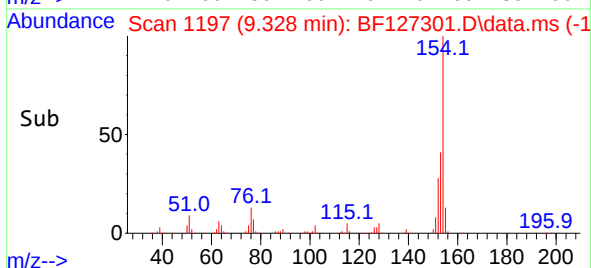
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

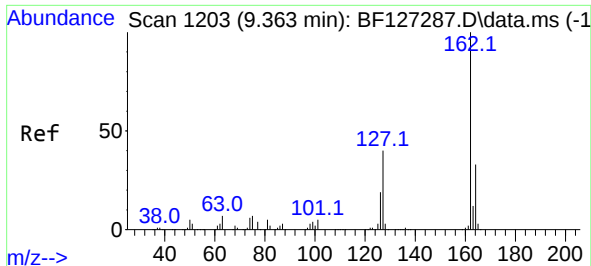


#46
1,1'-Biphenyl
Concen: 8.701 ng
RT: 9.328 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53



Tgt Ion:154 Resp: 161677
Ion Ratio Lower Upper
154 100
153 41.4 19.0 59.0
76 13.1 0.0 34.5





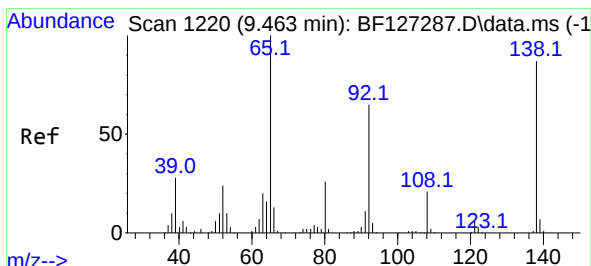
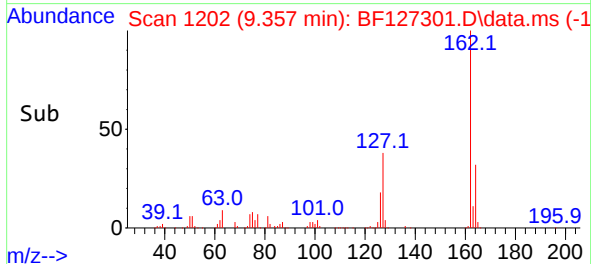
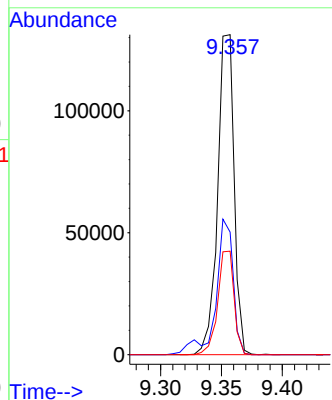
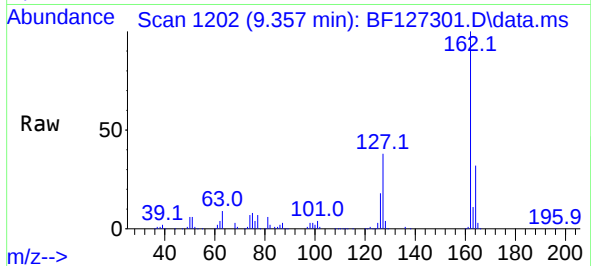
#47
2-Chloronaphthalene
Concen: 8.566 ng
RT: 9.357 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2022

Tgt Ion:162 Resp: 123902
Ion Ratio Lower Upper
162 100
127 38.3 33.5 50.3
164 32.3 26.2 39.4

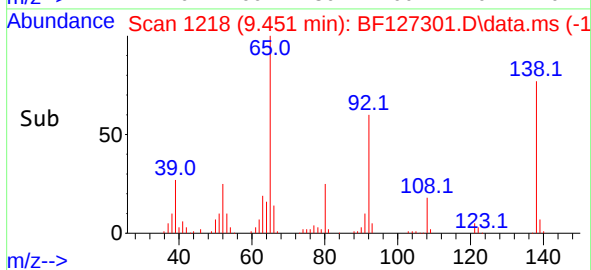
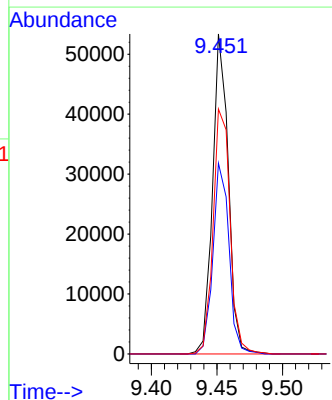
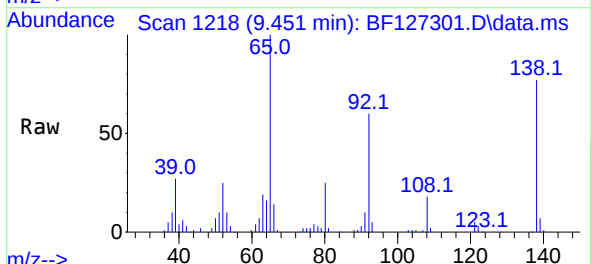
Manual Integrations
APPROVED

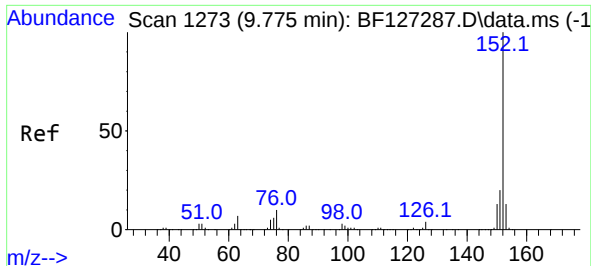
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#48
2-Nitroaniline
Concen: 7.996 ng
RT: 9.451 min Scan# 1218
Delta R.T. -0.012 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

Tgt Ion: 65 Resp: 44502
Ion Ratio Lower Upper
65 100
92 59.6 54.4 81.6
138 76.6 72.5 108.7





#49

Acenaphthylene

Concen: 9.184 ng

RT: 9.769 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BF127301.D

Acq: 11 Mar 2022 15:53

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2022

Tgt Ion:152 Resp: 203285

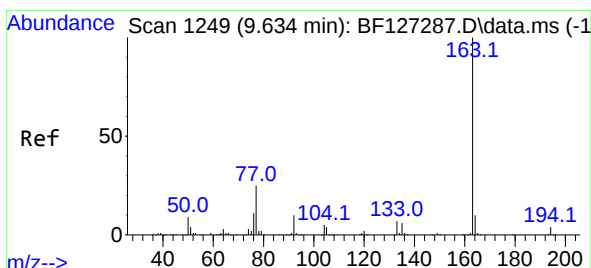
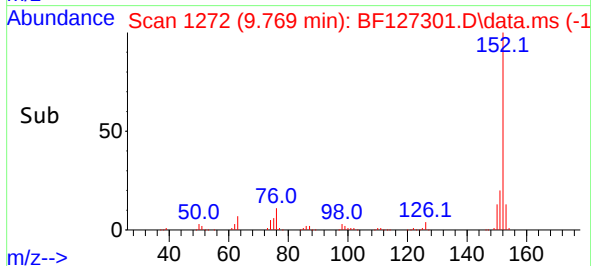
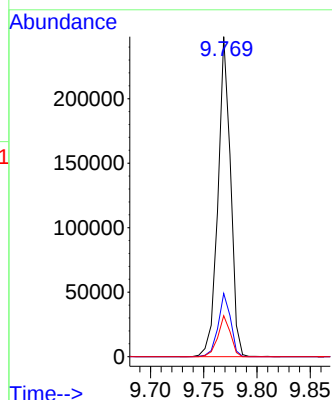
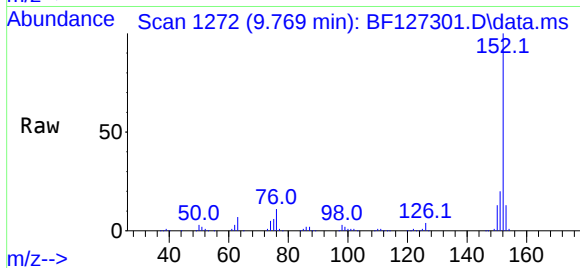
Ion	Ratio	Lower	Upper
152	100		
151	19.8	15.7	23.5
153	12.8	11.4	17.0

Manual Integrations

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Reviewed By :Christian Giraldo 03/14/2022

Supervised By :Jagrut Upadhyay 03/14/2022



#50

Dimethylphthalate

Concen: 8.089 ng

RT: 9.622 min Scan# 1247

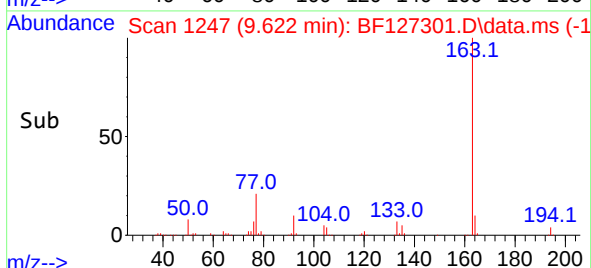
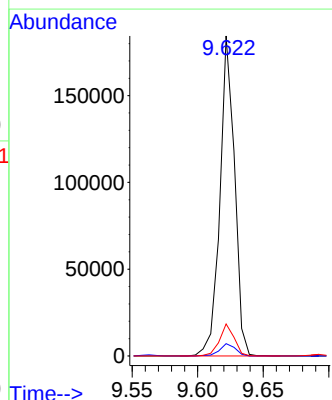
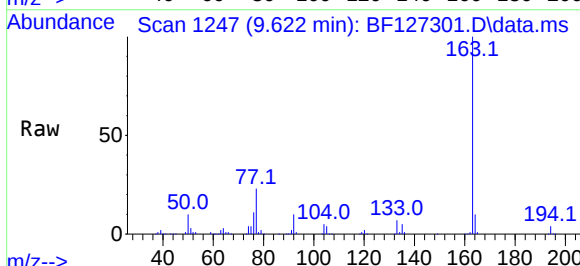
Delta R.T. -0.012 min

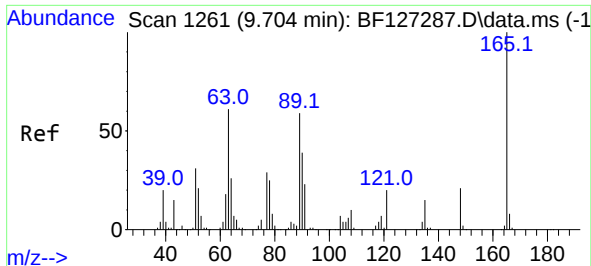
Lab File: BF127301.D

Acq: 11 Mar 2022 15:53

Tgt Ion:163 Resp: 142694

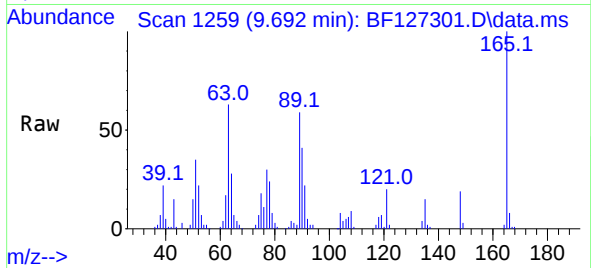
Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.6	3.8#
164	10.0	7.8	11.8





#51
2,6-Dinitrotoluene
Concen: 8.918 ng
RT: 9.692 min Scan# 1301
Delta R.T. -0.012 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

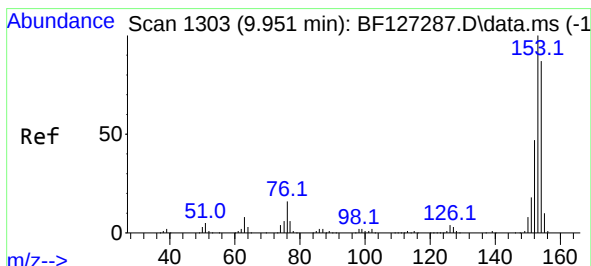
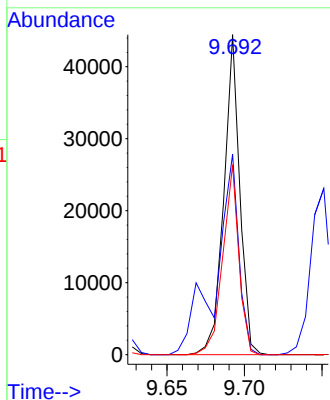
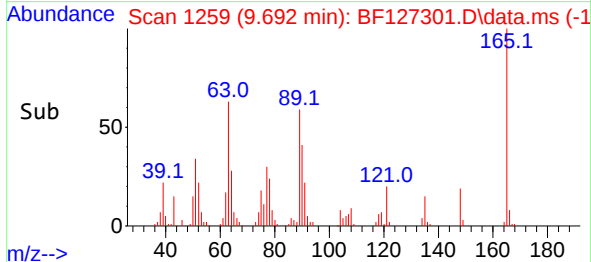
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2022



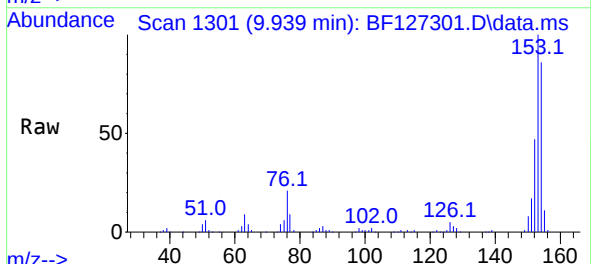
Tgt Ion:165 Resp: 31829
Ion Ratio Lower Upper
165 100
63 62.7 48.4 72.6
89 59.4 50.5 75.7

Manual Integrations
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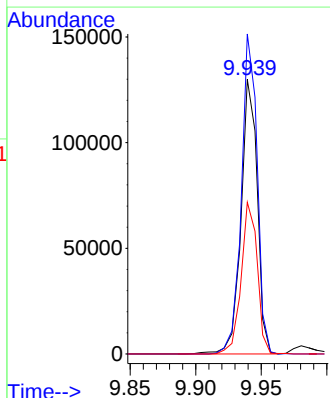
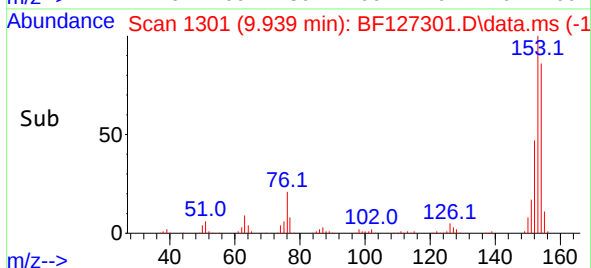
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

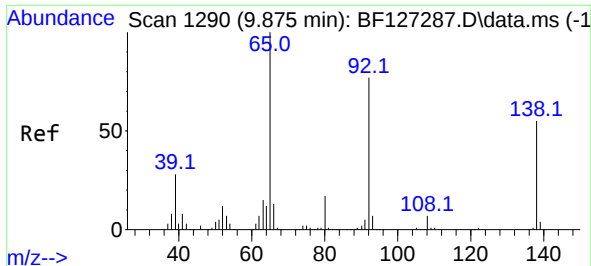


#52
Acenaphthene
Concen: 8.479 ng
RT: 9.939 min Scan# 1301
Delta R.T. -0.012 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53



Tgt Ion:154 Resp: 111870
Ion Ratio Lower Upper
154 100
153 116.6 87.8 131.6
152 55.2 39.4 59.2





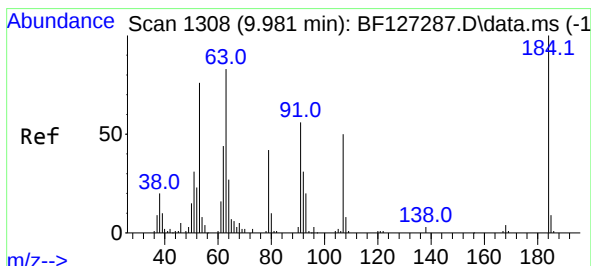
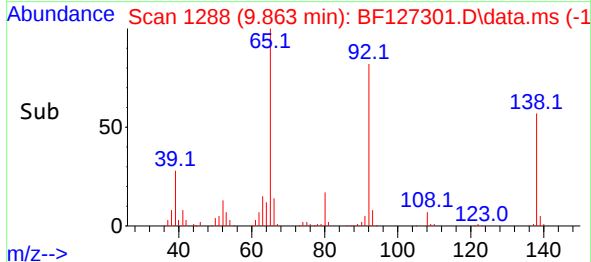
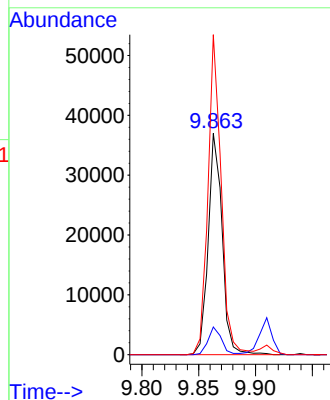
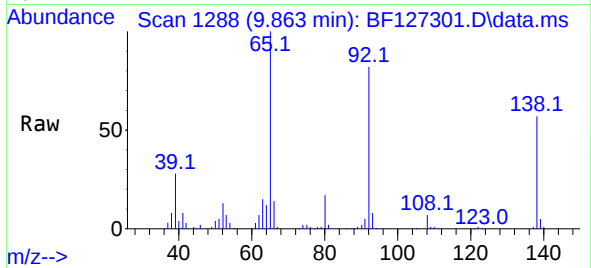
#53
3-Nitroaniline
Concen: 8.089 ng
RT: 9.863 min Scan# 1290
Delta R.T. -0.012 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2022

Tgt Ion:138 Resp: 3145
Ion Ratio Lower Upper
138 100
108 12.5 8.6 13.0
92 144.6 105.0 157.6

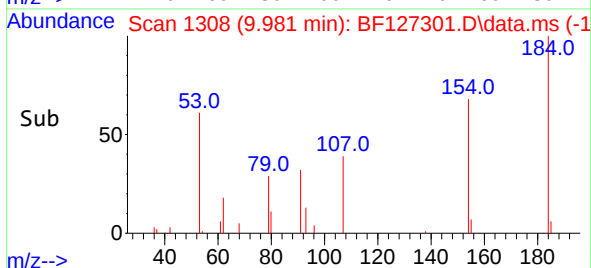
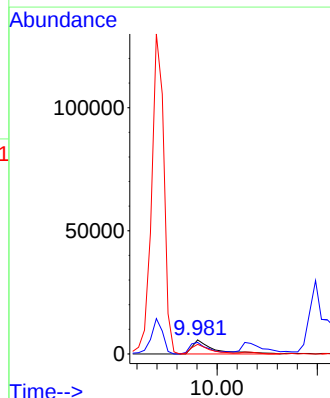
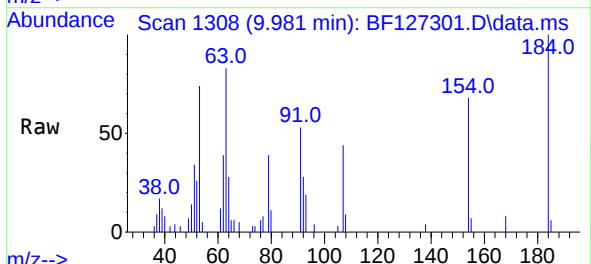
Manual Integrations
APPROVED

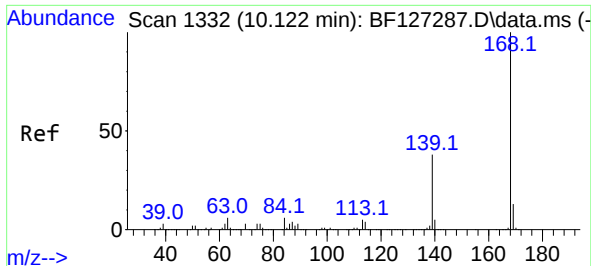
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#54
2,4-Dinitrophenol
Concen: 4.771 ng
RT: 9.981 min Scan# 1308
Delta R.T. -0.000 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

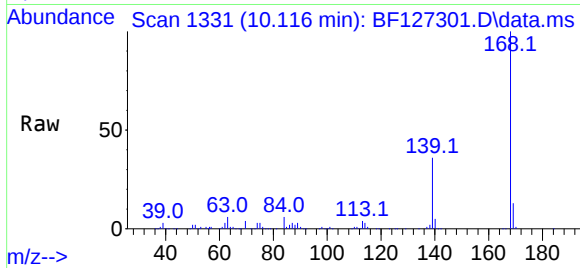
Tgt Ion:184 Resp: 8389
Ion Ratio Lower Upper
184 100
63 82.6 70.4 105.6
154 68.2 49.7 74.5





#55
Dibenzofuran
Concen: 8.400 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

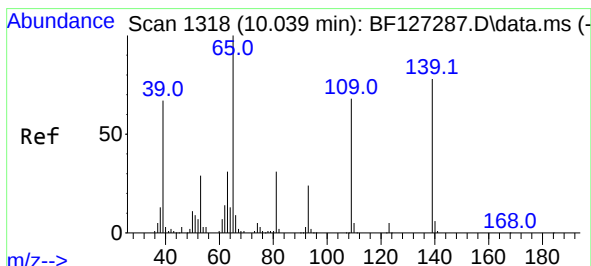
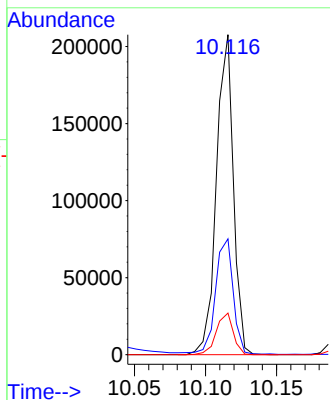
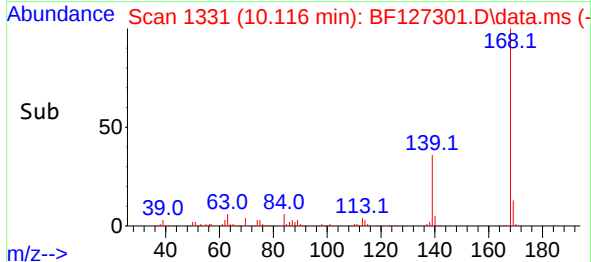
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2022



Tgt Ion:168 Resp: 172180
Ion Ratio Lower Upper
168 100
139 36.2 30.6 46.0
169 13.0 10.0 15.0

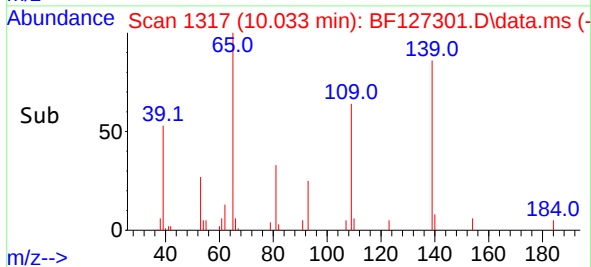
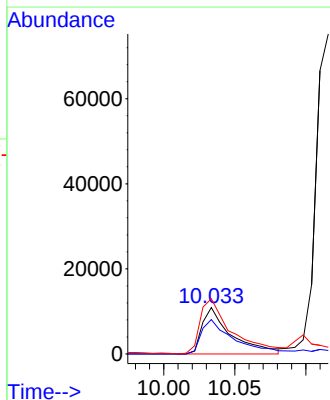
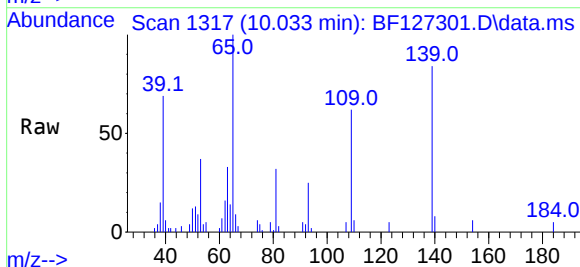
Manual Integrations
APPROVED

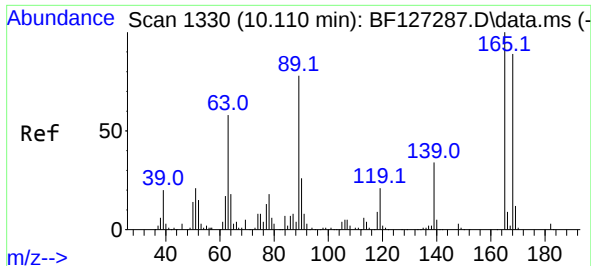
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#56
4-Nitrophenol
Concen: 6.612 ng
RT: 10.033 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

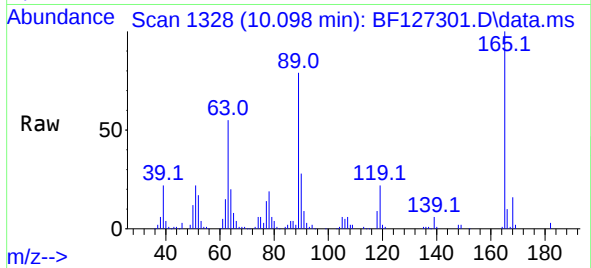
Tgt Ion:139 Resp: 15628
Ion Ratio Lower Upper
139 100
109 74.2 44.1 84.1
65 118.9 85.5 125.5





#57
2,4-Dinitrotoluene
Concen: 8.475 ng
RT: 10.098 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

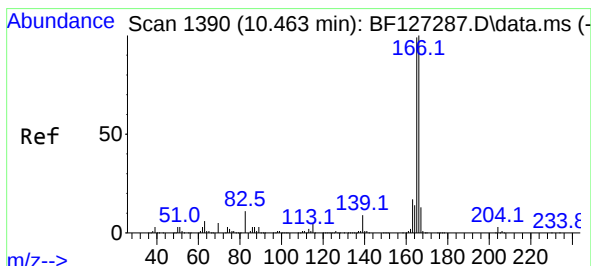
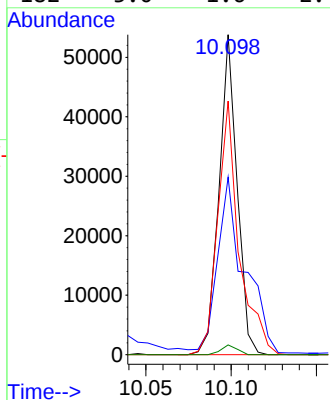
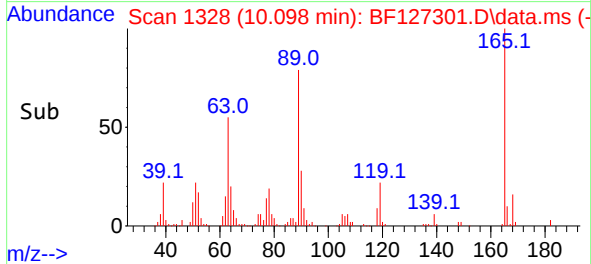
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2022



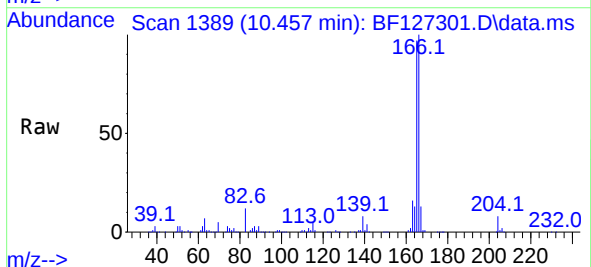
Tgt Ion:165 Resp: 39789
Ion Ratio Lower Upper
165 100
63 55.5 43.0 64.6
89 79.3 71.0 106.4
182 3.0 1.6 2.4#

Manual Integrations
APPROVED

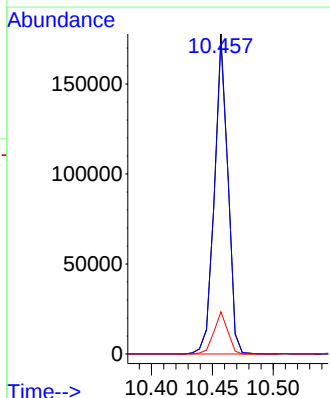
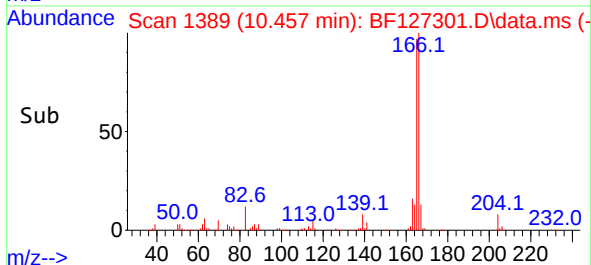
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

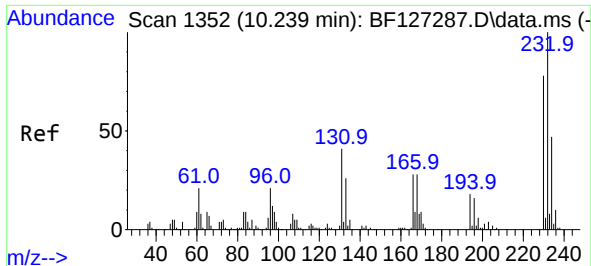


#58
Fluorene
Concen: 8.580 ng
RT: 10.457 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53



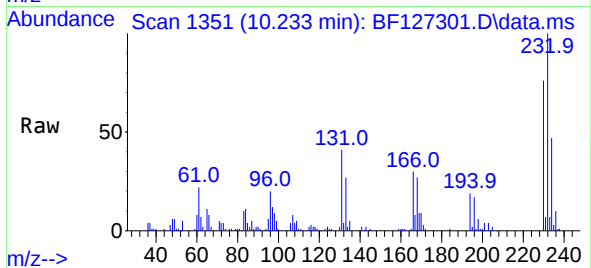
Tgt Ion:166 Resp: 136371
Ion Ratio Lower Upper
166 100
165 97.4 77.7 116.5
167 13.2 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 7.653 ng
RT: 10.233 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

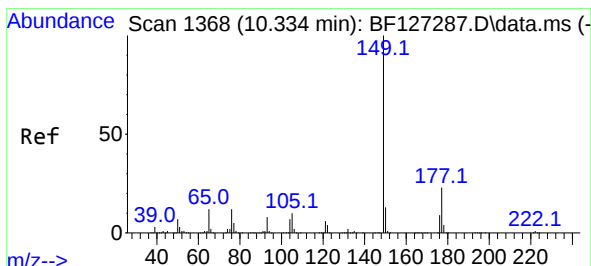
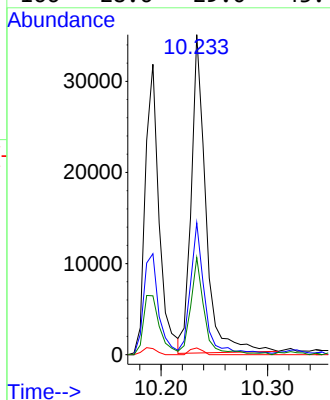
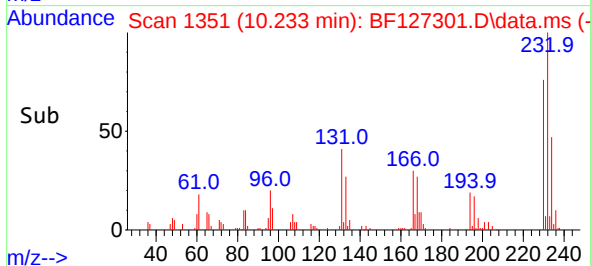
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2022



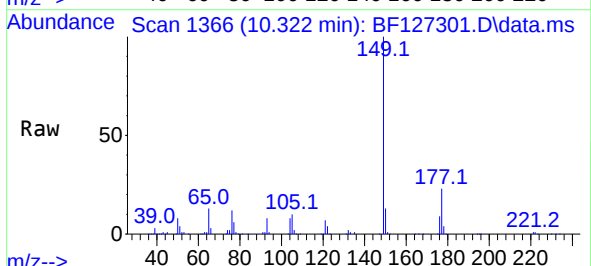
Tgt Ion:232 Resp: 3320
Ion Ratio Lower Upper
232 100
131 41.5 50.0 75.0
130 1.8 2.2 3.2
166 28.6 29.0 43.4

Manual Integrations
APPROVED

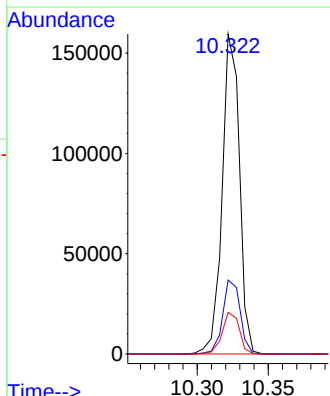
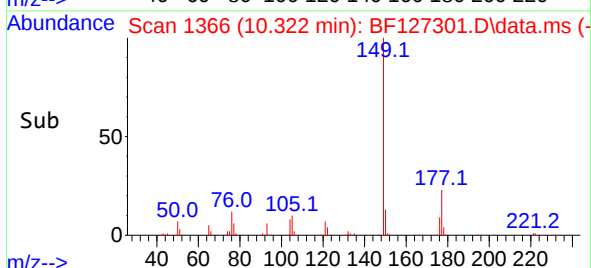
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

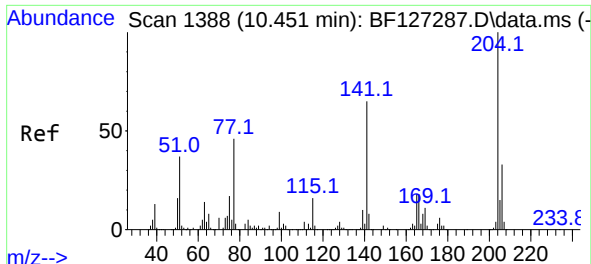


#60
Diethylphthalate
Concen: 8.361 ng
RT: 10.322 min Scan# 1366
Delta R.T. -0.012 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53



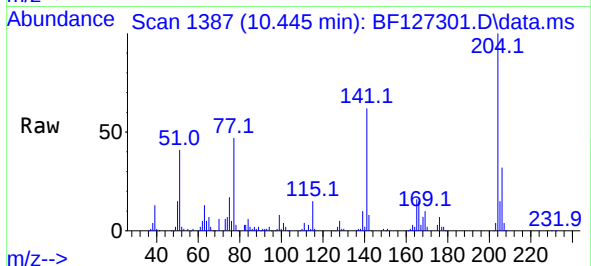
Tgt Ion:149 Resp: 134544
Ion Ratio Lower Upper
149 100
177 23.1 16.7 25.1
150 13.0 9.8 14.8





#61
4-Chlorophenyl-phenylether
Concen: 8.430 ng
RT: 10.445 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

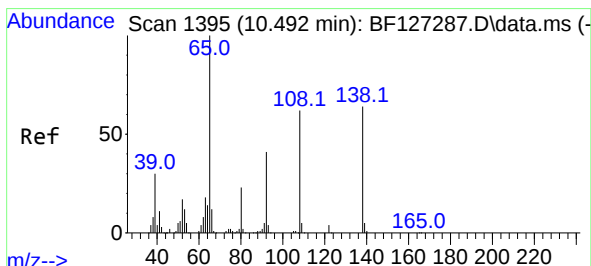
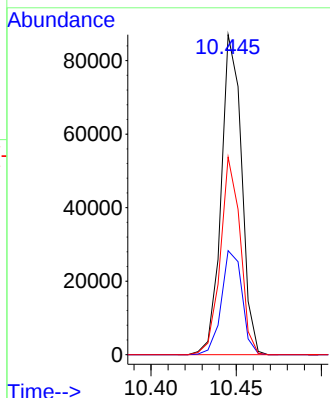
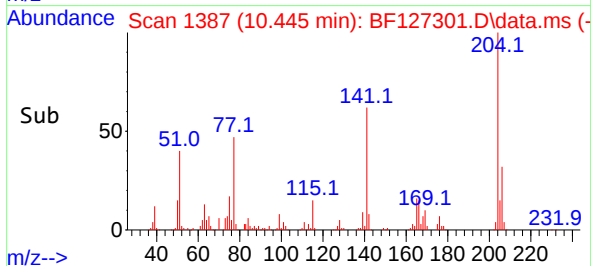
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2022



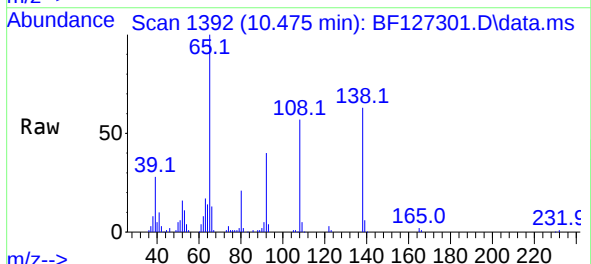
Tgt Ion:204 Resp: 7261
Ion Ratio Lower Upper
204 100
206 32.5 26.3 39.5
141 61.7 59.0 88.6

Manual Integrations
APPROVED

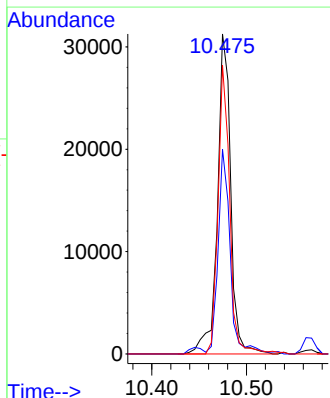
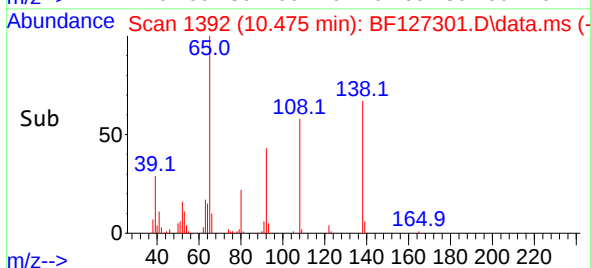
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

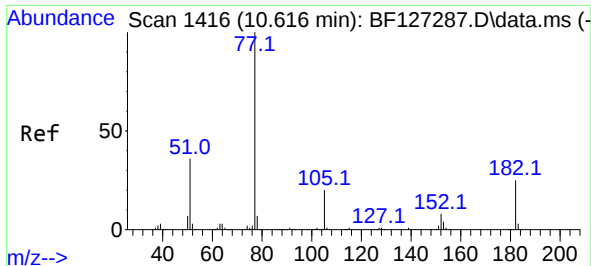


#62
4-Nitroaniline
Concen: 7.880 ng
RT: 10.475 min Scan# 1392
Delta R.T. -0.018 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53



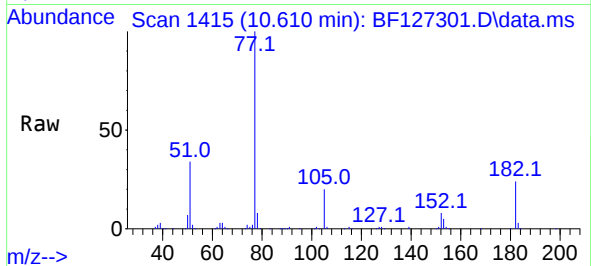
Tgt Ion:138 Resp: 30535
Ion Ratio Lower Upper
138 100
92 63.9 36.2 76.2
108 90.2 46.7 86.7#





#63
Azobenzene
Concen: 8.272 ng
RT: 10.610 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

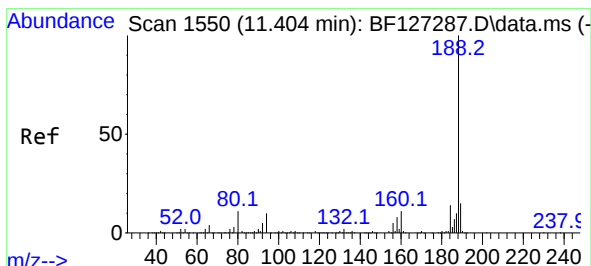
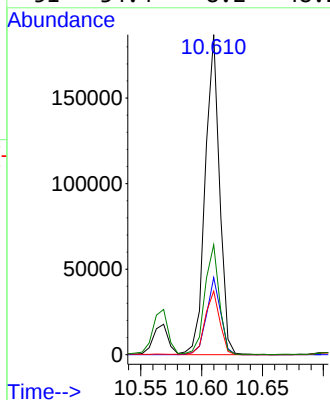
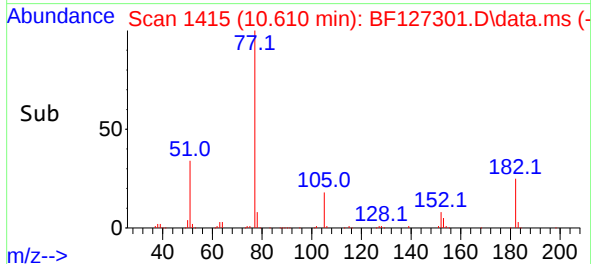
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2022



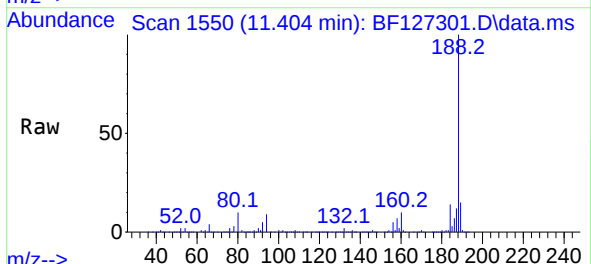
Tgt Ion: 77 Resp: 153000
Ion Ratio Lower Upper
77 100
182 24.1 0.0 39.0
105 19.9 3.2 43.2
51 34.4 8.2 48.2

Manual Integrations
APPROVED

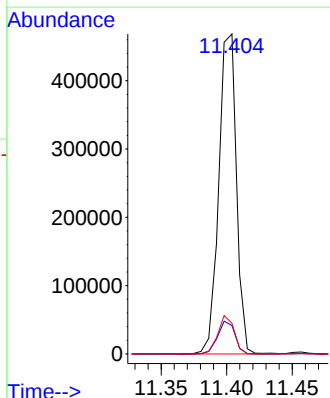
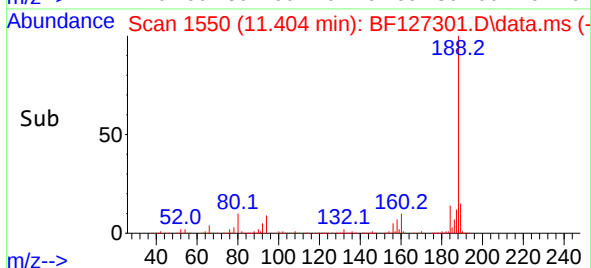
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

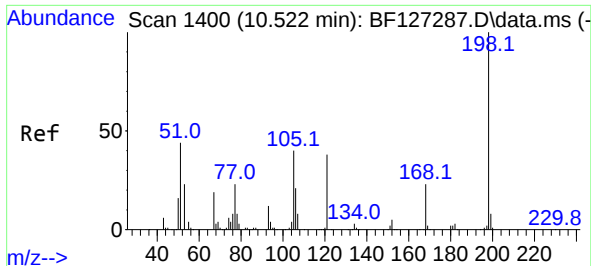


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1550
Delta R.T. -0.000 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53



Tgt Ion:188 Resp: 437759
Ion Ratio Lower Upper
188 100
94 8.9 10.1 15.1#
80 9.6 11.8 17.6#





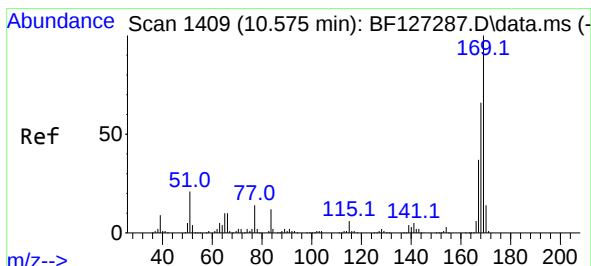
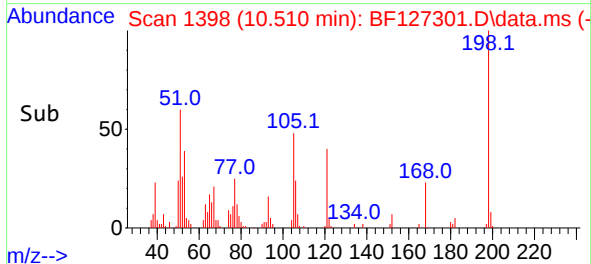
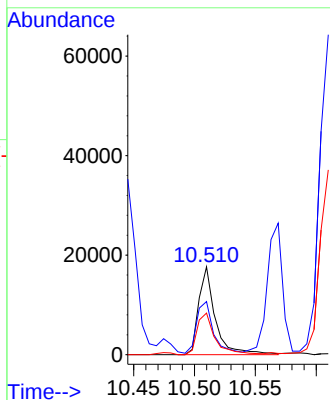
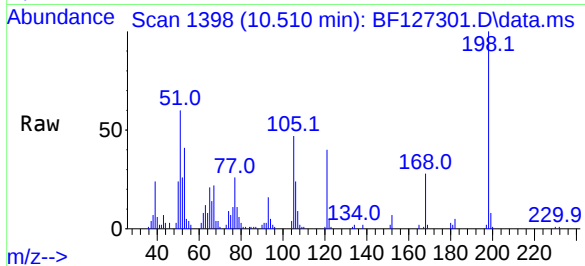
#65
4,6-Dinitro-2-methylphenol
Concen: 6.211 ng
RT: 10.510 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:198 Resp: 16764
Ion Ratio Lower Upper
198 100
51 60.5 32.0 72.0
105 47.4 32.7 72.7

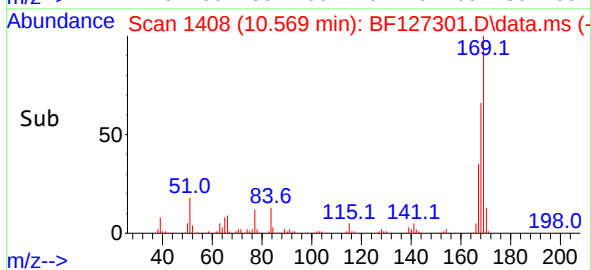
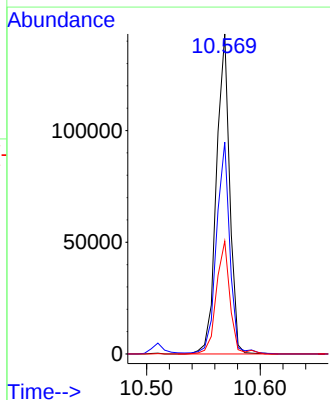
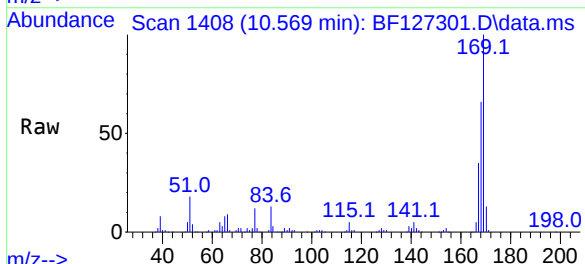
Manual Integrations
APPROVED

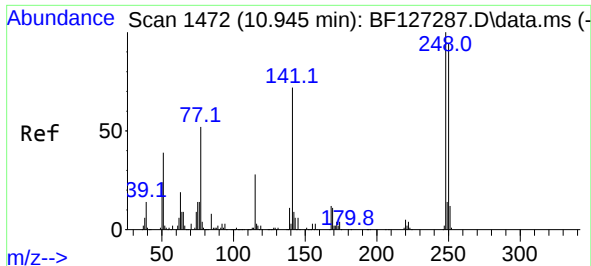
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#66
n-Nitrosodiphenylamine
Concen: 8.546 ng
RT: 10.569 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

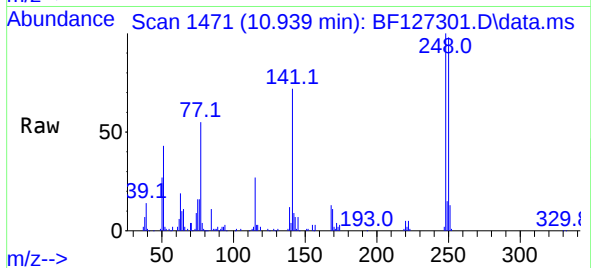
Tgt Ion:169 Resp: 116187
Ion Ratio Lower Upper
169 100
168 66.2 53.4 80.0
167 35.2 29.4 44.0





#67
4-Bromophenyl-phenylether
Concen: 8.149 ng
RT: 10.939 min Scan# 1471
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

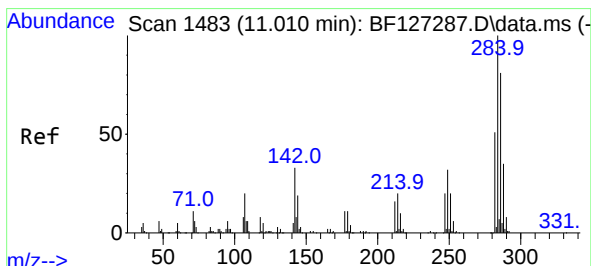
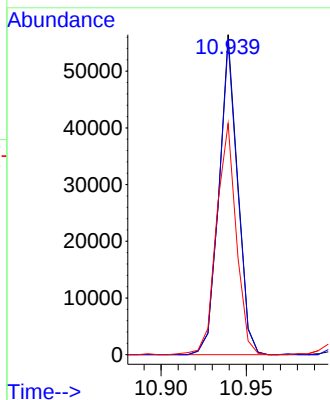
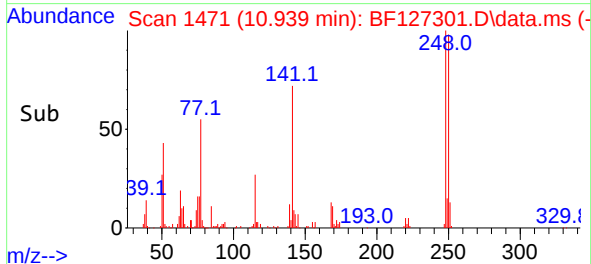
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2022



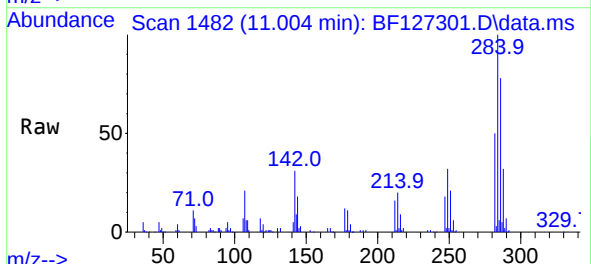
Tgt Ion:248 Resp: 43000
Ion Ratio Lower Upper
248 100
250 97.9 76.2 114.4
141 72.3 66.2 99.4

Manual Integrations
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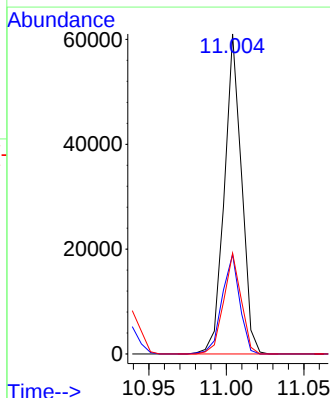
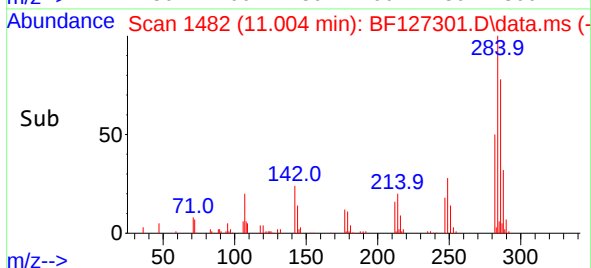
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

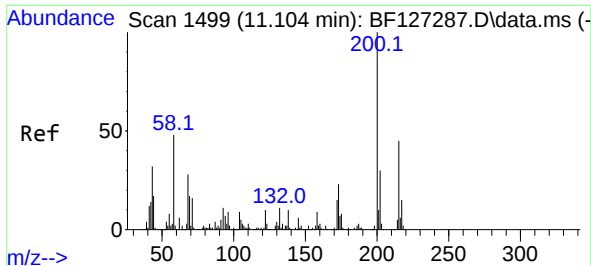


#68
Hexachlorobenzene
Concen: 8.183 ng
RT: 11.004 min Scan# 1482
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53



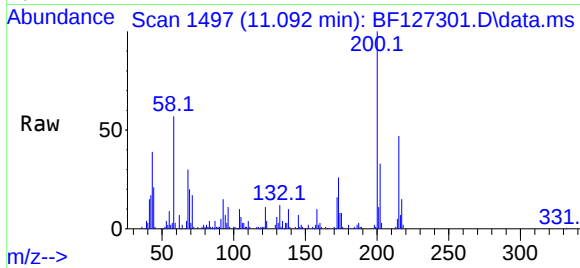
Tgt Ion:284 Resp: 47058
Ion Ratio Lower Upper
284 100
142 31.1 30.7 46.1
249 31.5 21.1 31.7





#69
Atrazine
Concen: 8.824 ng
RT: 11.092 min Scan# 1499
Delta R.T. -0.012 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

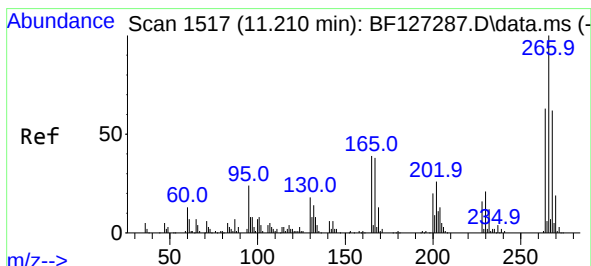
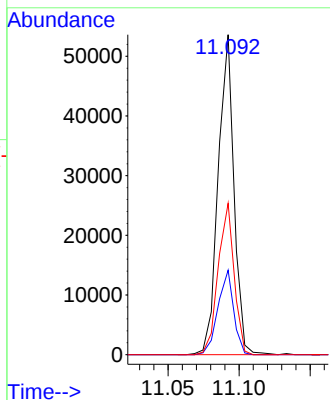
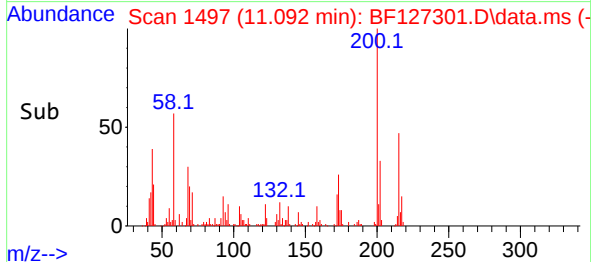
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2022



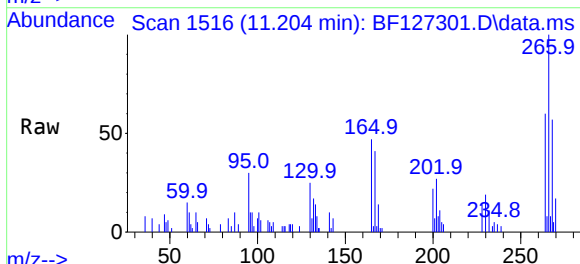
Tgt Ion:200 Resp: 41395
Ion Ratio Lower Upper
200 100
173 26.4 9.2 49.2
215 47.3 23.2 63.2

Manual Integrations
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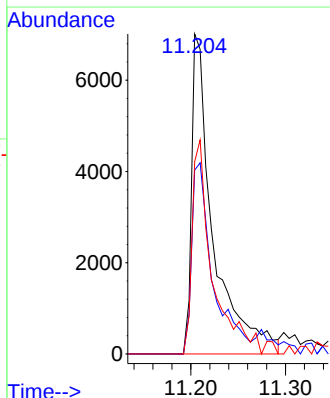
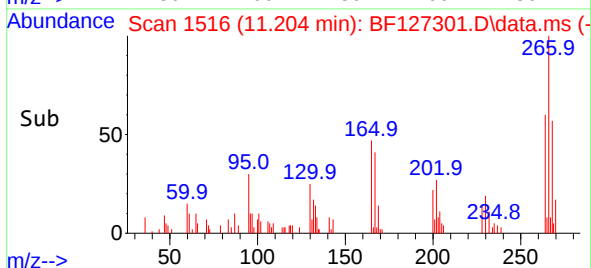
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

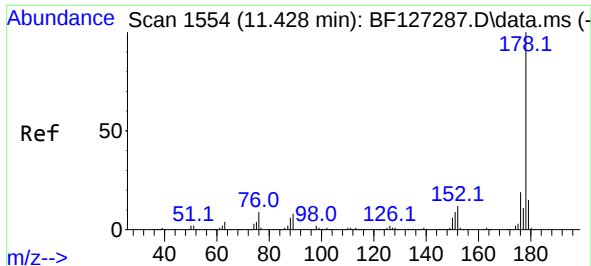


#70
Pentachlorophenol
Concen: 4.790 ng
RT: 11.204 min Scan# 1516
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53



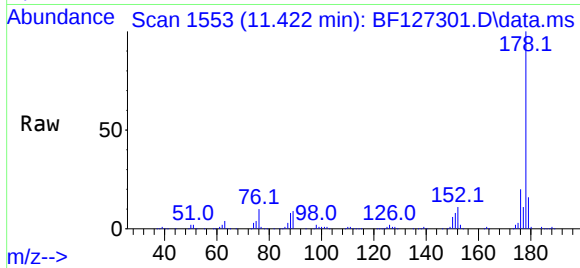
Tgt Ion:266 Resp: 11123
Ion Ratio Lower Upper
266 100
268 62.2 52.3 78.5
264 60.1 50.4 75.6





#71
Phenanthrene
Concen: 8.571 ng
RT: 11.422 min Scan# 11554
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

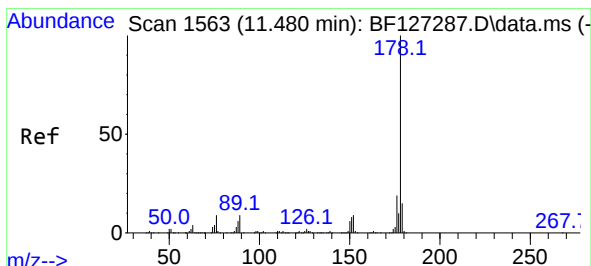
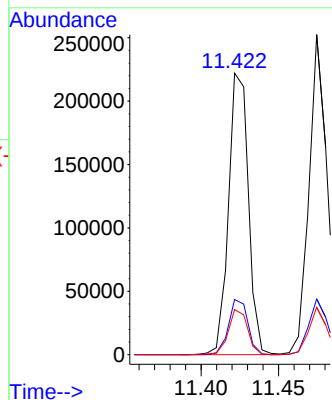
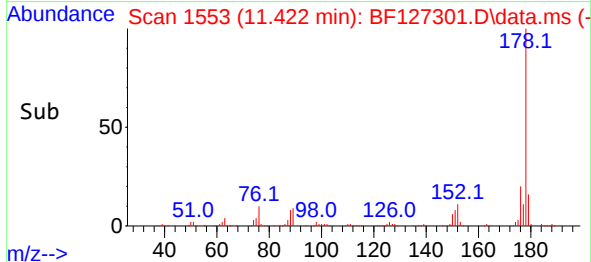
Instrument :
BNA_F
ClientSampleId :
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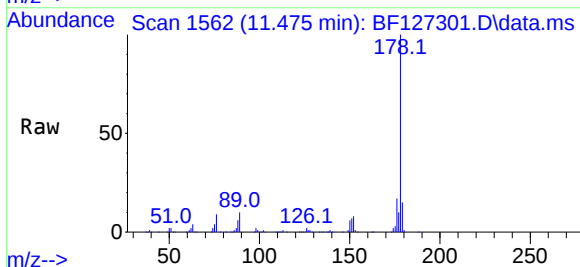
Tgt Ion:178 Resp: 198074
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 16.0 12.3 18.5

Manual Integrations
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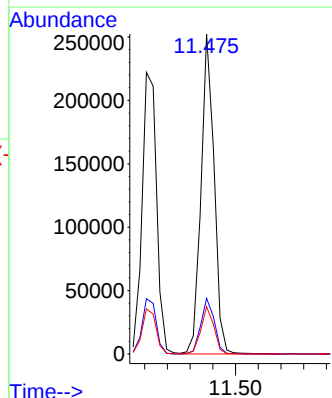
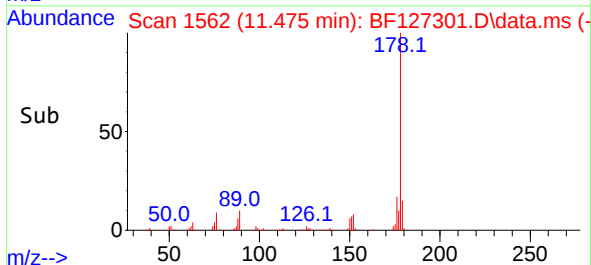
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

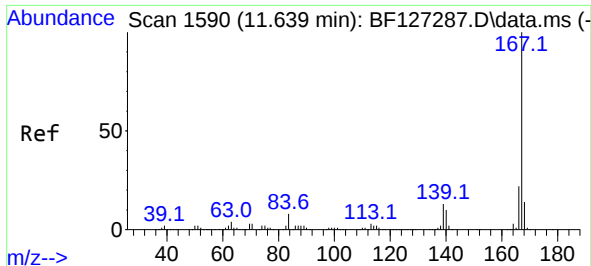


#72
Anthracene
Concen: 8.866 ng
RT: 11.475 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53



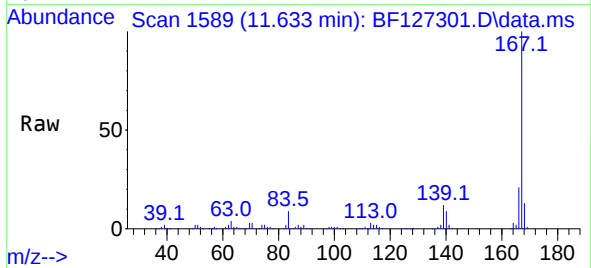
Tgt Ion:178 Resp: 202906
Ion Ratio Lower Upper
178 100
176 17.4 15.0 22.6
179 14.8 12.5 18.7





#73
 Carbazole
 Concen: 8.369 ng
 RT: 11.633 min Scan# 1589
 Delta R.T. -0.006 min
 Lab File: BF127301.D
 Acq: 11 Mar 2022 15:53

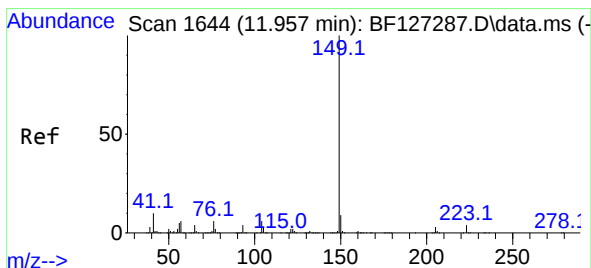
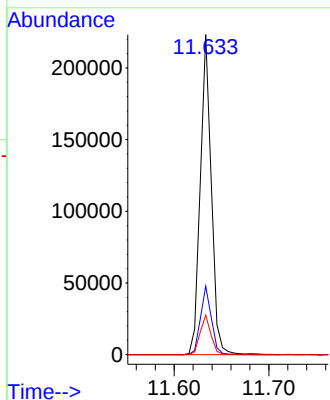
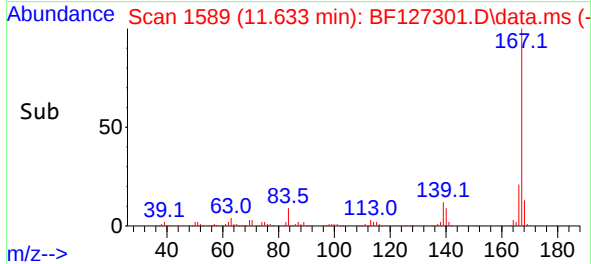
Instrument : BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2022



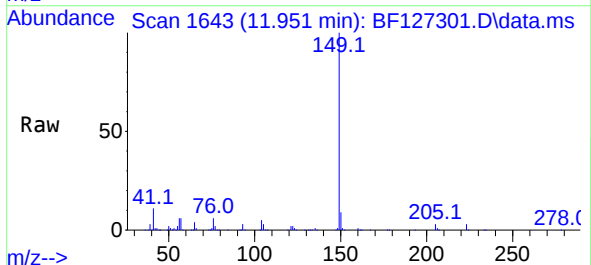
Tgt Ion:167 Resp: 18036
 Ion Ratio Lower Upper
 167 100
 166 21.4 16.9 25.3
 139 12.4 11.3 16.9

Manual Integrations
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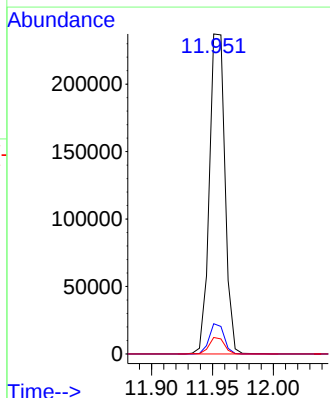
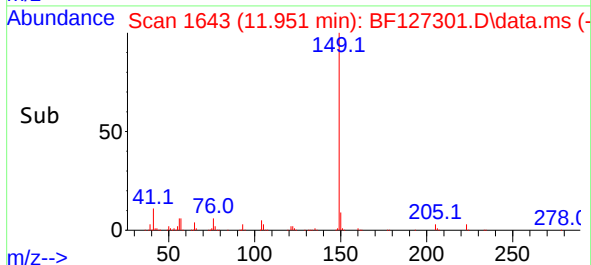
Reviewed By :Christian Giraldo 03/14/2022
 Supervised By :Jagrut Upadhyay 03/14/2022

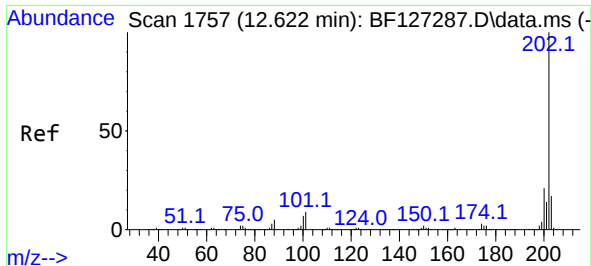


#74
 Di-n-butylphthalate
 Concen: 8.347 ng
 RT: 11.951 min Scan# 1643
 Delta R.T. -0.006 min
 Lab File: BF127301.D
 Acq: 11 Mar 2022 15:53



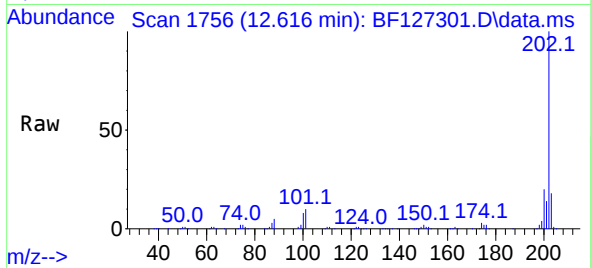
Tgt Ion:149 Resp: 210405
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.2 10.8
 104 5.2 4.2 6.2





#75
Fluoranthene
Concen: 8.595 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

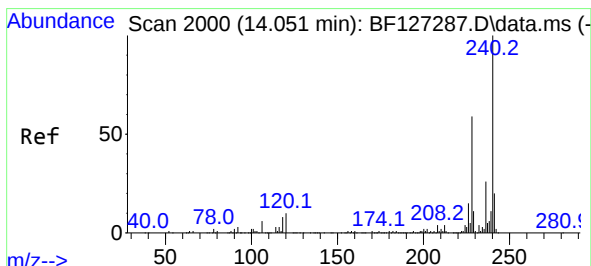
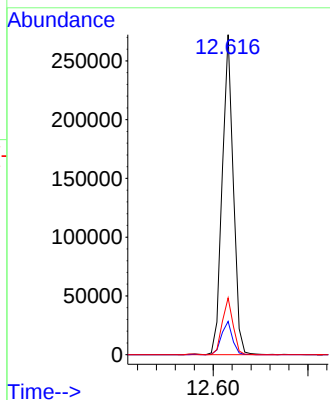
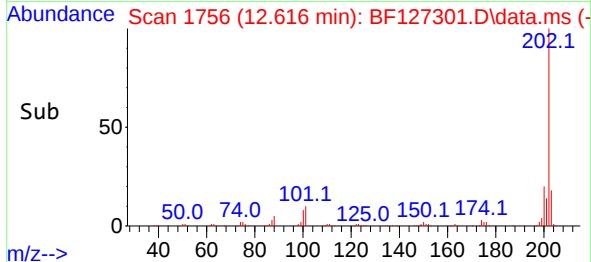
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2022



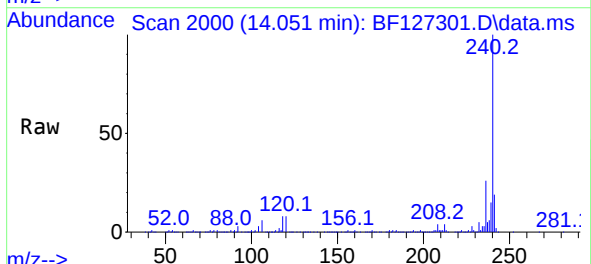
Tgt Ion:202 Resp: 222074
Ion Ratio Lower Upper
202 100
101 10.4 0.0 35.7
203 17.8 0.0 37.1

Manual Integrations
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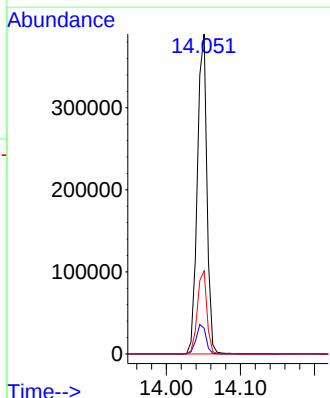
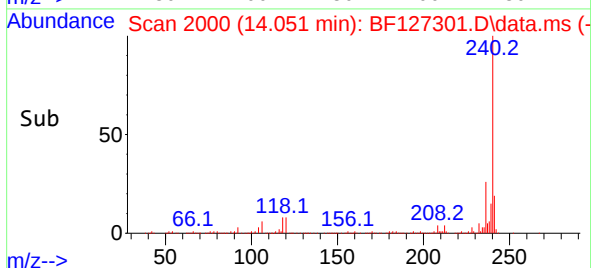
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

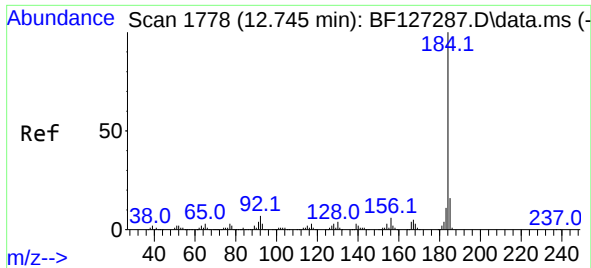


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2000
Delta R.T. -0.000 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53



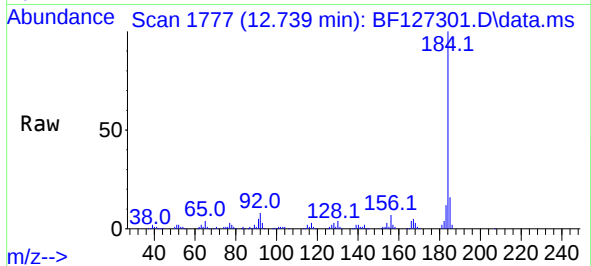
Tgt Ion:240 Resp: 349905
Ion Ratio Lower Upper
240 100
120 8.0 14.4 21.6#
236 26.0 20.5 30.7





#77
Benzidine
Concen: 12.463 ng
RT: 12.739 min Scan# 1777
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

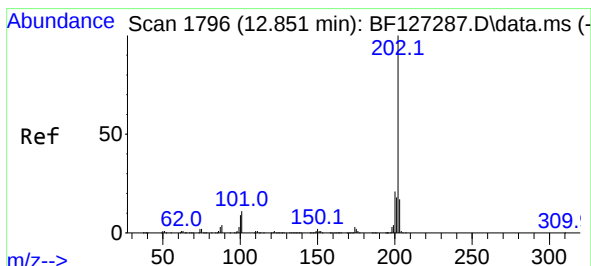
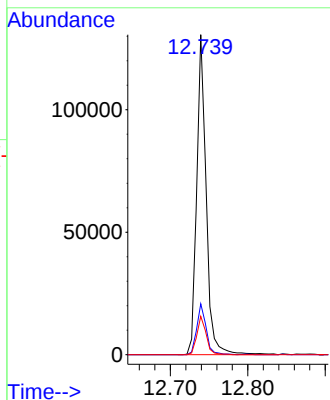
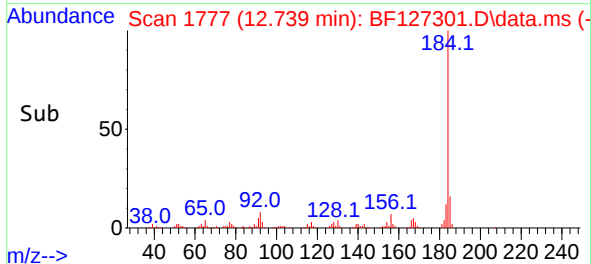
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2022



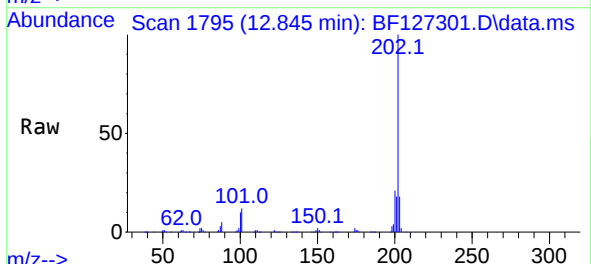
Tgt Ion:184 Resp: 110898
Ion Ratio Lower Upper
184 100
185 15.9 11.8 17.8
183 12.0 8.2 12.2

Manual Integrations
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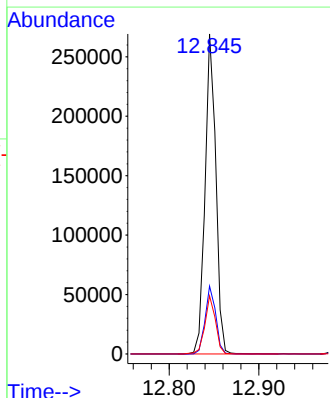
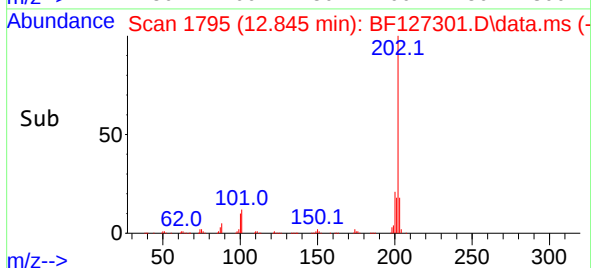
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

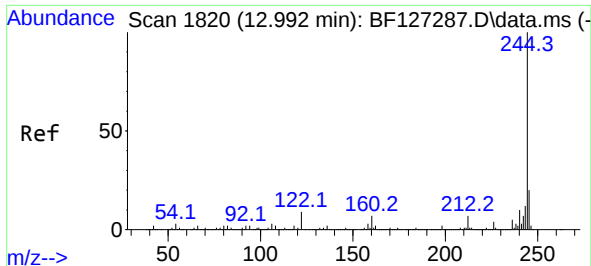


#78
Pyrene
Concen: 8.226 ng
RT: 12.845 min Scan# 1795
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53



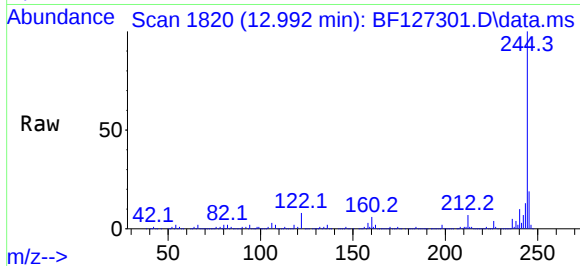
Tgt Ion:202 Resp: 224197
Ion Ratio Lower Upper
202 100
200 21.2 16.6 24.8
203 18.1 13.8 20.8





#79
 Terphenyl-d14
 Concen: 52.317 ng
 RT: 12.992 min Scan# 1820
 Delta R.T. -0.000 min
 Lab File: BF127301.D
 Acq: 11 Mar 2022 15:53

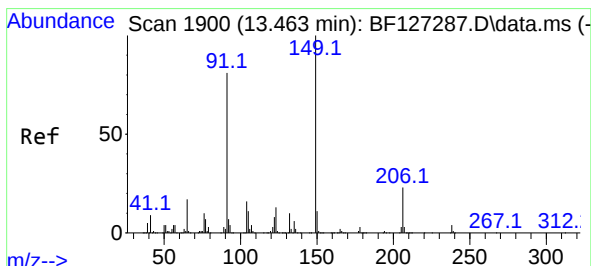
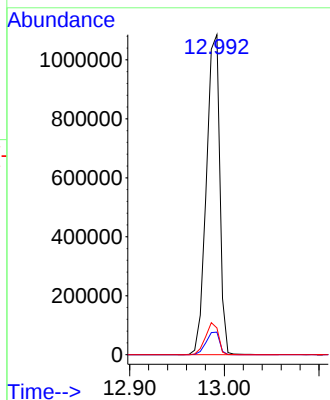
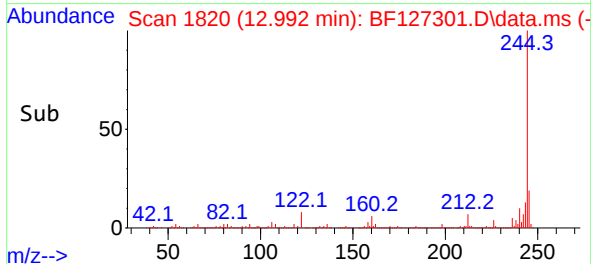
Instrument :
 BNA_F
 ClientSampleId :
 LOQ-SOIL-02-QT1-2022



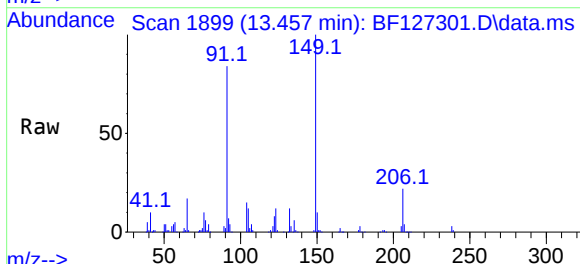
Tgt Ion:244 Resp: 1063090
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.0 7.4
 122 8.3 13.3 19.9

Manual Integrations
 APPROVED

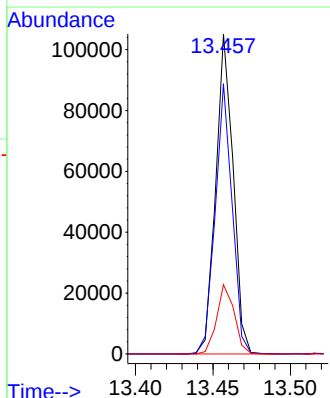
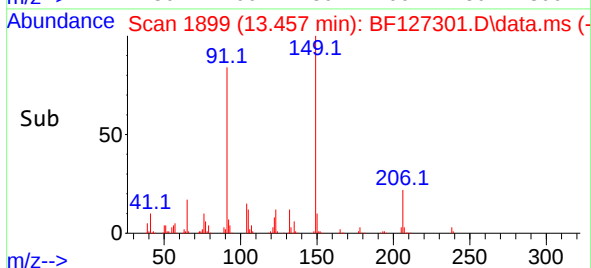
Reviewed By :Christian Giraldo 03/14/2022
 Supervised By :Jagrut Upadhyay 03/14/2022

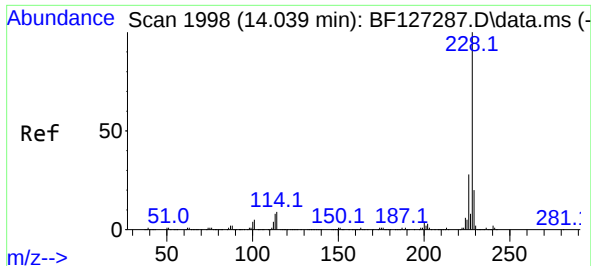


#80
 Butylbenzylphthalate
 Concen: 7.821 ng
 RT: 13.457 min Scan# 1899
 Delta R.T. -0.006 min
 Lab File: BF127301.D
 Acq: 11 Mar 2022 15:53



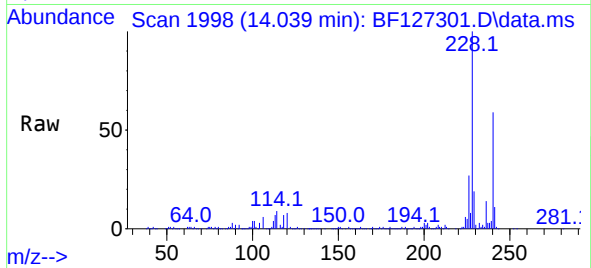
Tgt Ion:149 Resp: 82031
 Ion Ratio Lower Upper
 149 100
 91 84.5 70.5 105.7
 206 21.7 12.6 19.0





#81
Benzo(a)anthracene
Concen: 8.140 ng
RT: 14.039 min Scan# 1998
Delta R.T. -0.000 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

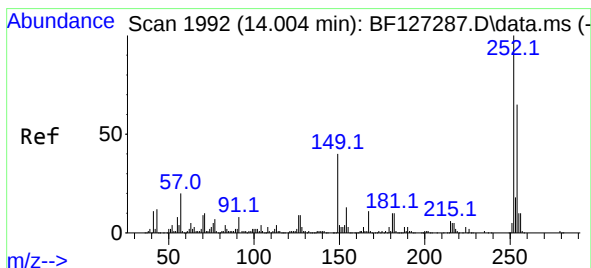
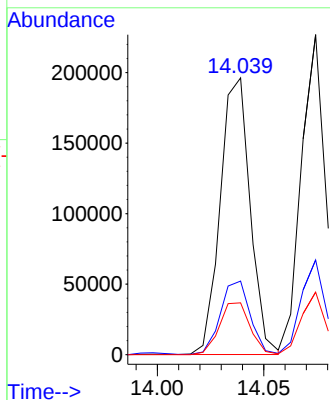
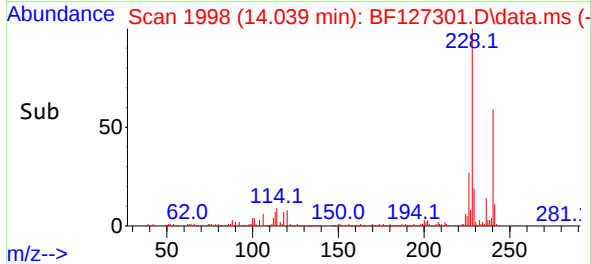
Instrument : BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2022



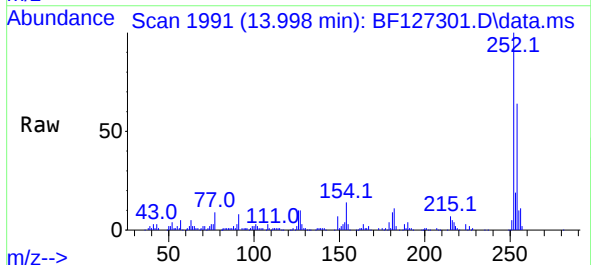
Tgt Ion:228 Resp: 191772
Ion Ratio Lower Upper
228 100
226 26.6 21.4 32.0
229 18.7 15.4 23.2

Manual Integrations
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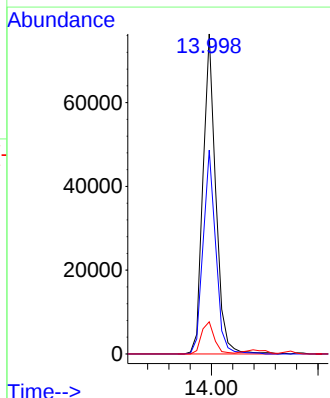
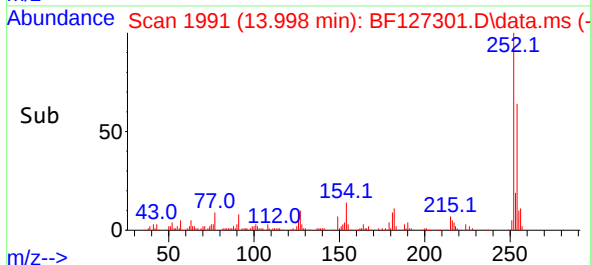
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

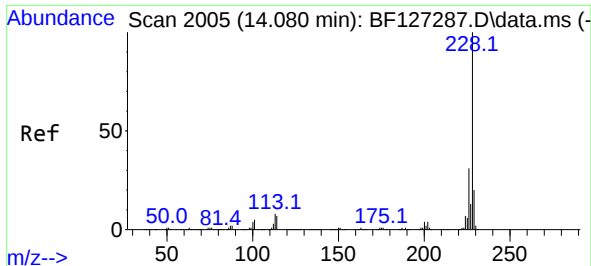


#82
3,3'-Dichlorobenzidine
Concen: 8.717 ng
RT: 13.998 min Scan# 1991
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53



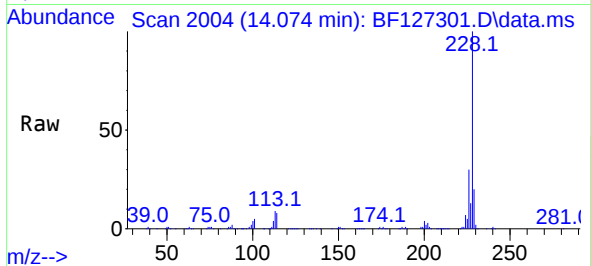
Tgt Ion:252 Resp: 63853
Ion Ratio Lower Upper
252 100
254 63.7 51.0 76.4
126 10.0 13.4 20.0#





#83
Chrysene
Concen: 8.196 ng
RT: 14.074 min Scan# 2005
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

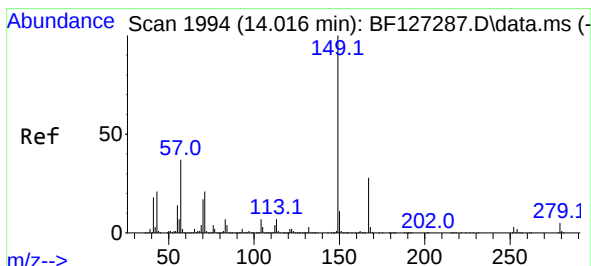
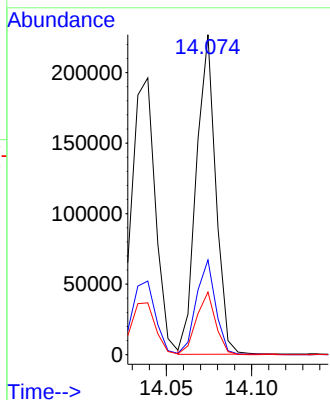
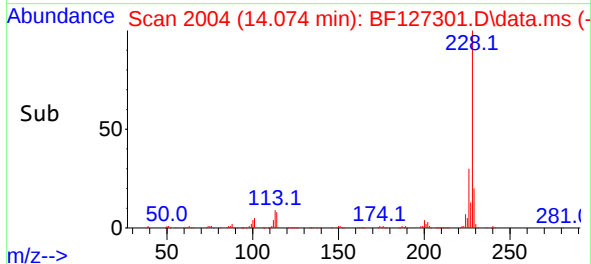
Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2022



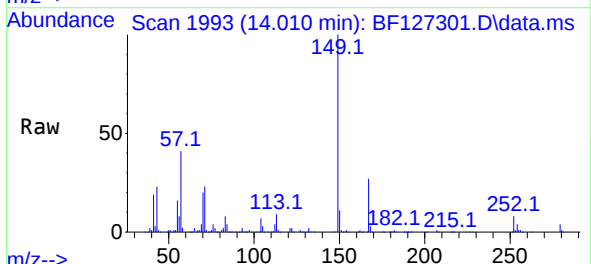
Tgt Ion:228 Resp: 179598
Ion Ratio Lower Upper
228 100
226 29.6 23.7 35.5
229 19.5 15.5 23.3

Manual Integrations
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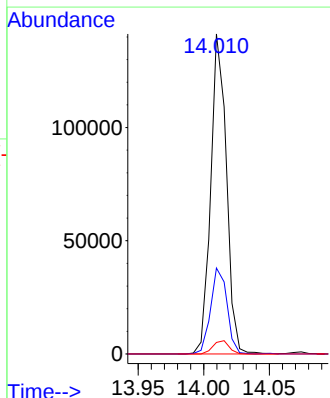
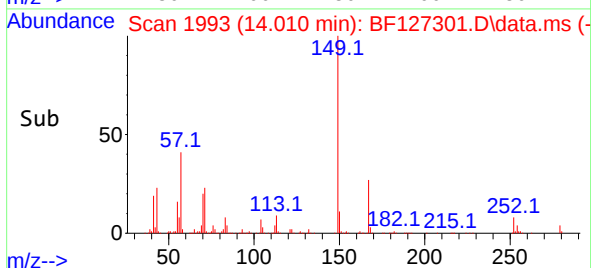
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

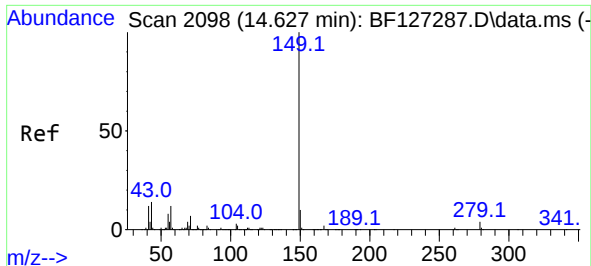


#84
Bis(2-ethylhexyl)phthalate
Concen: 8.338 ng
RT: 14.010 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53



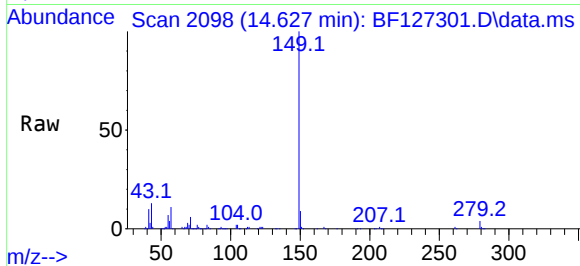
Tgt Ion:149 Resp: 117725
Ion Ratio Lower Upper
149 100
167 26.9 21.4 32.2
279 3.6 2.4 3.6#





#85
Di-n-octyl phthalate
Concen: 8.358 ng
RT: 14.627 min Scan# 2098
Delta R.T. -0.000 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

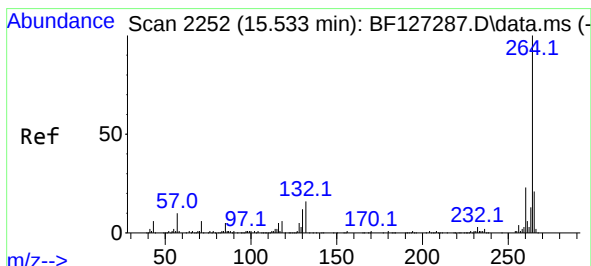
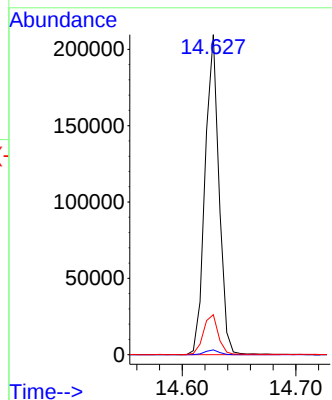
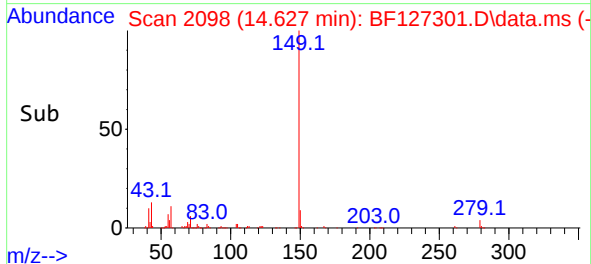
Instrument : BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2022



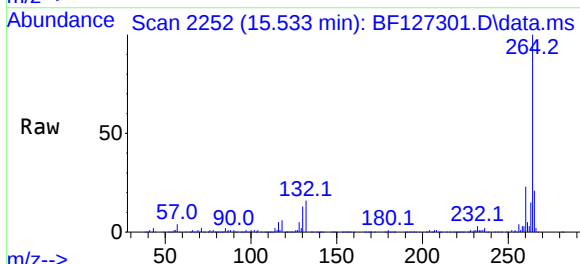
Tgt Ion:149 Resp: 178608
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 13.6 9.9 14.9

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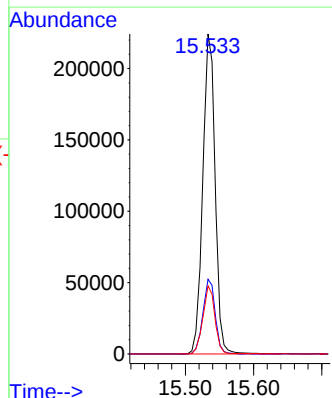
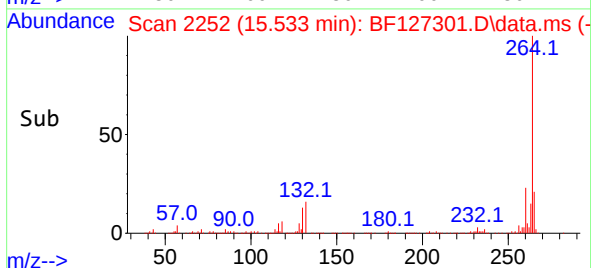
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

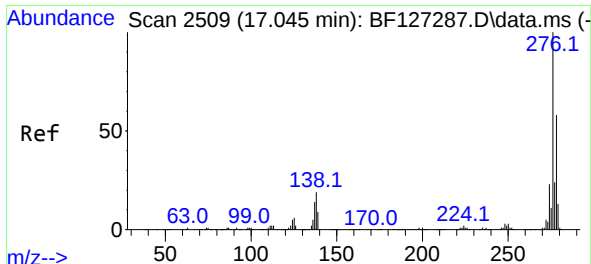


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2252
Delta R.T. -0.000 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53



Tgt Ion:264 Resp: 282378
Ion Ratio Lower Upper
264 100
260 23.4 19.2 28.8
265 21.3 17.4 26.2





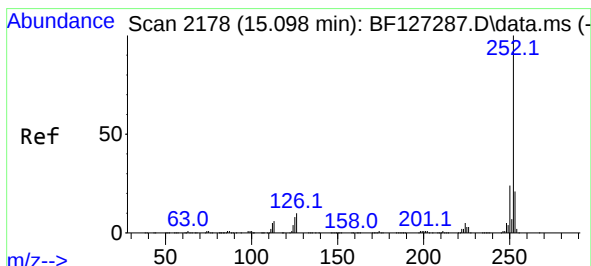
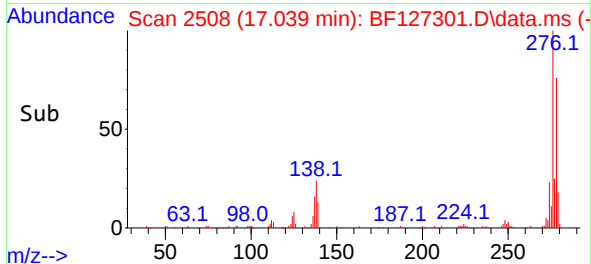
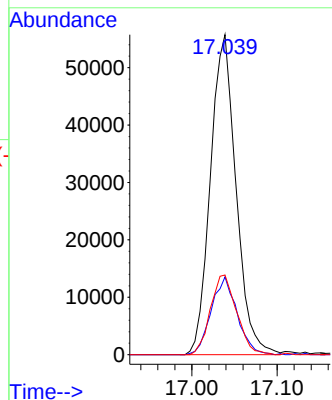
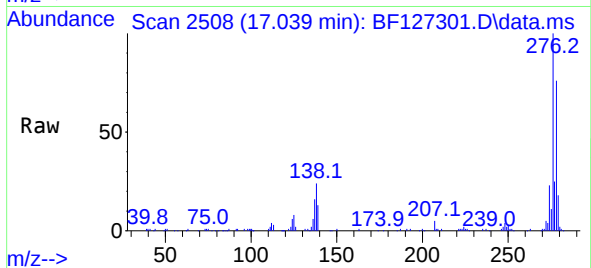
#87
Indeno(1,2,3-cd)pyrene
Concen: 6.847 ng
RT: 17.039 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

Instrument :
BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2022

Tgt Ion:276 Resp: 11648
Ion Ratio Lower Upper
276 100
138 24.6 29.2 43.8
277 25.5 19.8 29.8

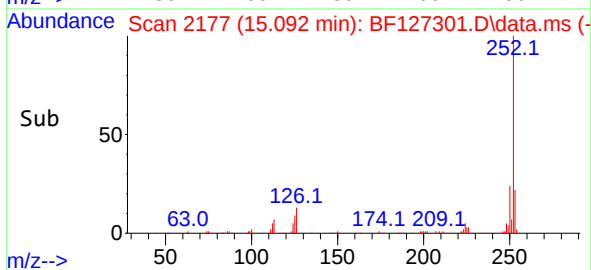
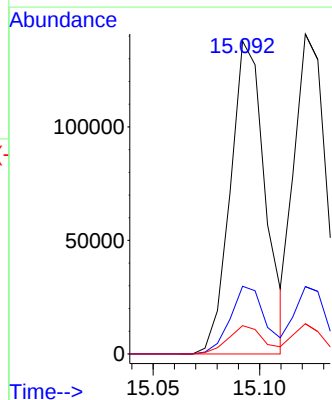
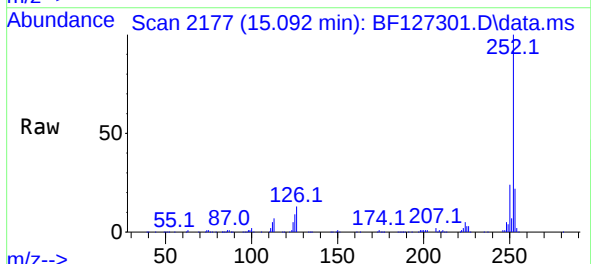
Manual Integrations
APPROVED

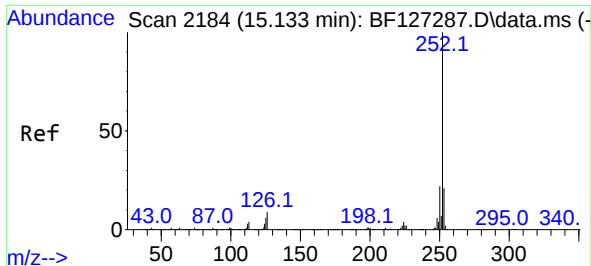
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#88
Benzo(b)fluoranthene
Concen: 8.436 ng
RT: 15.092 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

Tgt Ion:252 Resp: 156358
Ion Ratio Lower Upper
252 100
253 21.6 17.8 26.8
125 9.1 12.4 18.6





#89

Benzo(k)fluoranthene

Concen: 8.576 ng

RT: 15.121 min Scan# 2182

Delta R.T. -0.012 min

Lab File: BF127301.D

Acq: 11 Mar 2022 15:53

Instrument :

BNA_F

ClientSampleId :

LOQ-SOIL-02-QT1-2022

Tgt Ion:252 Resp: 149459

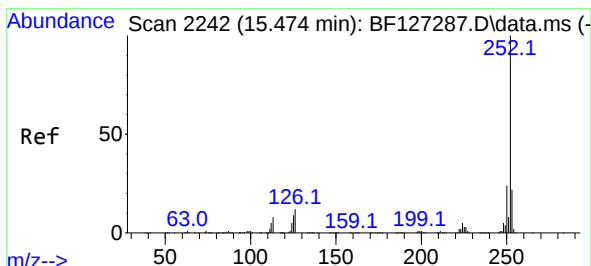
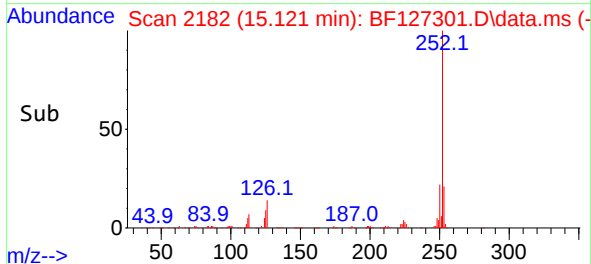
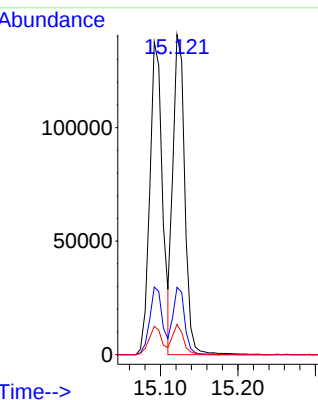
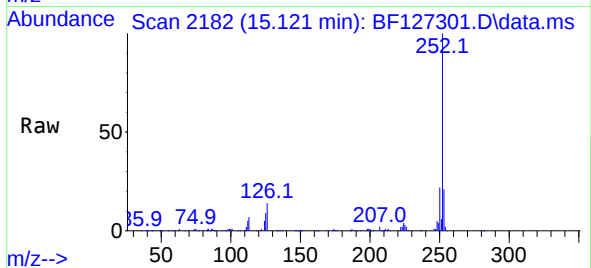
Ion	Ratio	Lower	Upper
252	100		
253	21.0	17.5	26.3
125	9.5	11.8	17.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2022

Supervised By :Jagrut Upadhyay 03/14/2022



#90

Benzo(a)pyrene

Concen: 9.476 ng

RT: 15.468 min Scan# 2241

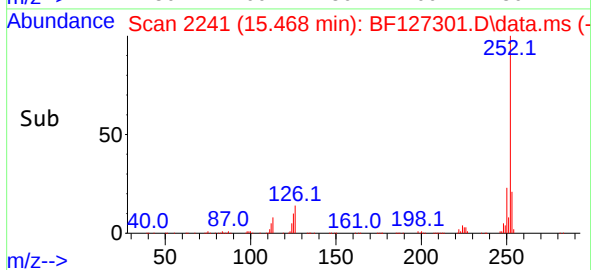
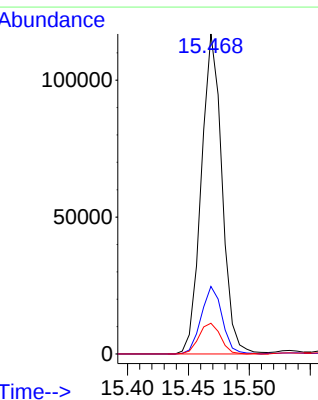
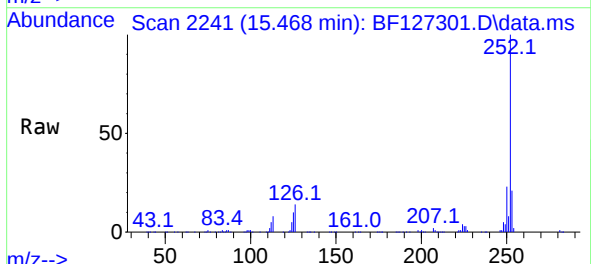
Delta R.T. -0.006 min

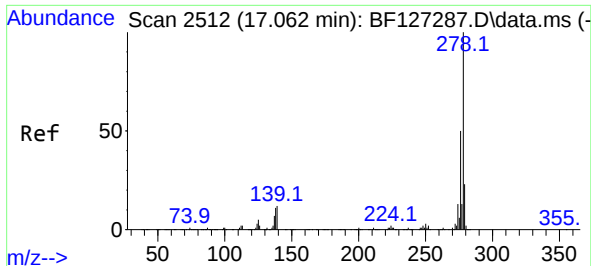
Lab File: BF127301.D

Acq: 11 Mar 2022 15:53

Tgt Ion:252 Resp: 138304

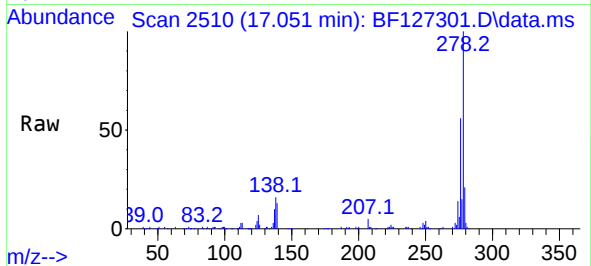
Ion	Ratio	Lower	Upper
252	100		
253	21.1	17.1	25.7
125	9.6	13.0	19.6





#91
Dibenzo(a,h)anthracene
Concen: 7.415 ng
RT: 17.051 min Scan# 2510
Delta R.T. -0.012 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53

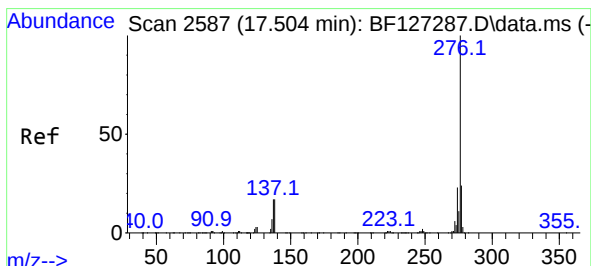
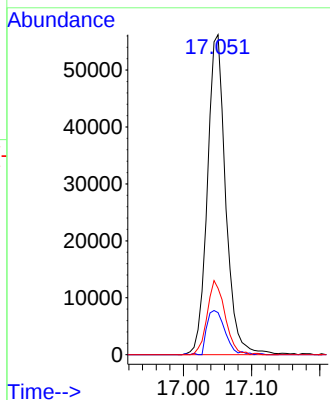
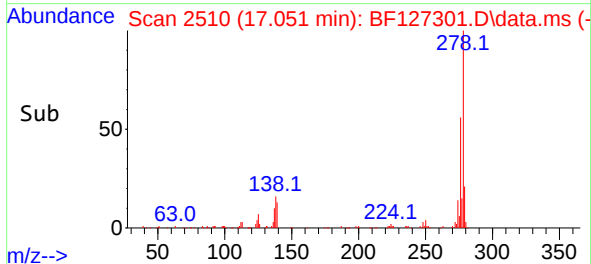
Instrument : BNA_F
ClientSampleId :
LOQ-SOIL-02-QT1-2022



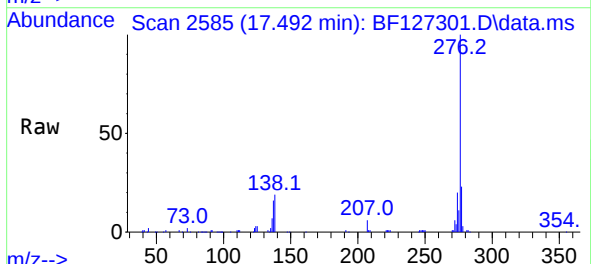
Tgt Ion:278 Resp: 104980
Ion Ratio Lower Upper
278 100
139 13.1 18.0 27.0
279 20.8 18.6 27.8

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#92
Benzo(g,h,i)perylene
Concen: 7.298 ng
RT: 17.492 min Scan# 2585
Delta R.T. -0.012 min
Lab File: BF127301.D
Acq: 11 Mar 2022 15:53



Tgt Ion:276 Resp: 100788
Ion Ratio Lower Upper
276 100
277 23.5 18.5 27.7
138 18.8 25.9 38.9

