

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031122\
 Data File : BF127297.D
 Acq On : 11 Mar 2022 11:50
 Operator : CG\JU
 Sample : N1645-01
 Misc : LOD-MDL-SOIL 4ppm
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2022

Quant Time: Mar 11 12:42:31 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	101438	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	363717	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	214365	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	326628	20.000	ng	# 0.00
76) Chrysene-d12	14.045	240	256695	20.000	ng	# 0.00
86) Perylene-d12	15.533	264	201587	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	833470	132.086	ng	0.00
7) Phenol-d6	6.510	99	1169780	134.761	ng	0.00
23) Nitrobenzene-d5	7.440	82	665865	75.605	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	305702	132.475	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1121048	73.936	ng	0.00
79) Terphenyl-d14	12.992	244	1181285	79.242	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.658	88	10810	3.304	ng	# 88
3) Pyridine	3.534	79	27000m	3.101	ng	
4) n-Nitrosodimethylamine	3.381	42	14190	2.942	ng	# 62
6) Aniline	6.540	93	44548	4.294	ng	97
8) 2-Chlorophenol	6.657	128	25465	3.901	ng	95
9) Benzaldehyde	6.428	77	25629	5.065	ng	97
10) Phenol	6.516	94	37054	3.886	ng	# 62
11) bis(2-Chloroethyl)ether	6.610	93	28419	4.013	ng	98
12) 1,3-Dichlorobenzene	6.810	146	29381	4.010	ng	95
13) 1,4-Dichlorobenzene	6.887	146	29382	3.997	ng	98
14) 1,2-Dichlorobenzene	7.040	146	27752	4.011	ng	96
15) Benzyl Alcohol	7.022	79	27613	4.244	ng	# 58
16) 2,2'-oxybis(1-Chloropr...	7.140	45	50641	3.811	ng	97
17) 2-Methylphenol	7.122	107	20677	3.726	ng	# 92
18) Hexachloroethane	7.375	117	10667	3.778	ng	# 72
19) n-Nitroso-di-n-propyla...	7.275	70	21656	3.998	ng	90
20) 3+4-Methylphenols	7.275	107	27494	3.820	ng	# 31
22) Acetophenone	7.275	105	39599	3.976	ng	# 90
24) Nitrobenzene	7.451	77	33760	4.053	ng	93
25) Isophorone	7.687	82	58169	4.108	ng	# 97
26) 2-Nitrophenol	7.769	139	12427	3.602	ng	# 72
27) 2,4-Dimethylphenol	7.804	122	22827	4.408	ng	89
28) bis(2-Chloroethoxy)met...	7.898	93	34810	3.879	ng	100
29) 2,4-Dichlorophenol	8.016	162	21541	3.632	ng	93
30) 1,2,4-Trichlorobenzene	8.092	180	26400	3.905	ng	96
31) Naphthalene	8.175	128	79041	4.074	ng	98
32) Benzoic acid	7.892	122	7873m	2.450	ng	
33) 4-Chloroaniline	8.228	127	30341	4.034	ng	96
34) Hexachlorobutadiene	8.281	225	16163	3.585	ng	98
35) Caprolactam	8.557	113	6318	3.566	ng	# 62
36) 4-Chloro-3-methylphenol	8.704	107	24253	3.773	ng	98
37) 2-Methylnaphthalene	8.863	142	53051	4.185	ng	99
38) 1-Methylnaphthalene	8.963	142	49999	4.102	ng	100
40) 1,2,4,5-Tetrachloroben...	9.028	216	27521	4.055	ng	# 94
41) Hexachlorocyclopentadiene	9.010	237	3764	1.578	ng	96
43) 2,4,6-Trichlorophenol	9.145	196	14287	3.336	ng	98

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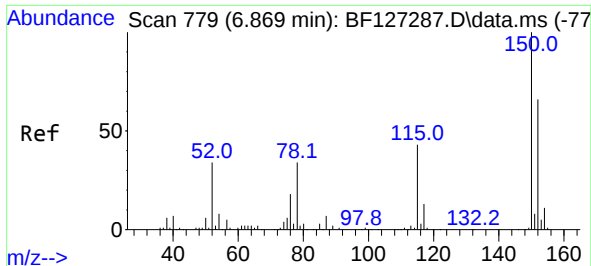
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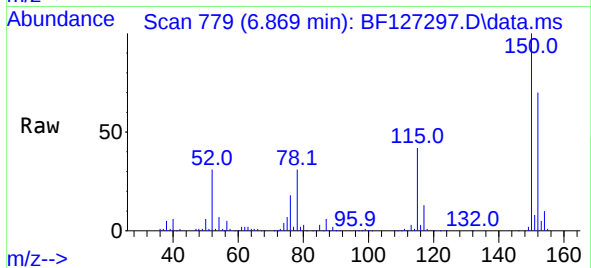
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	16170	3.557	ng	93
46) 1,1'-Biphenyl	9.328	154	68324	4.223	ng	98
47) 2-Chloronaphthalene	9.351	162	50797	4.033	ng	95
48) 2-Nitroaniline	9.451	65	17163	3.542	ng	86
49) Acenaphthylene	9.769	152	83545	4.335	ng	98
50) Dimethylphthalate	9.622	163	56791	3.697	ng	# 98
51) 2,6-Dinitrotoluene	9.692	165	11681	3.759	ng	94
52) Acenaphthene	9.939	154	46529	4.050	ng	99
53) 3-Nitroaniline	9.863	138	12121	3.580	ng	# 88
54) 2,4-Dinitrophenol	9.986	184	1611m	1.052	ng	
55) Dibenzofuran	10.116	168	69502	3.894	ng	96
56) 4-Nitrophenol	10.039	139	5526	2.685	ng	94
57) 2,4-Dinitrotoluene	10.098	165	15732	3.848	ng	# 93
58) Fluorene	10.457	166	56001	4.046	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	10444	2.765	ng	# 87
60) Diethylphthalate	10.322	149	53649	3.829	ng	98
61) 4-Chlorophenyl-phenyle...	10.445	204	28555	3.807	ng	89
62) 4-Nitroaniline	10.475	138	11661	3.456	ng	# 83
63) Azobenzene	10.610	77	59704	3.707	ng	91
65) 4,6-Dinitro-2-methylph...	10.510	198	4991	2.478	ng	89
66) n-Nitrosodiphenylamine	10.569	169	45377	4.473	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	15511	3.939	ng	95
68) Hexachlorobenzene	11.004	284	15569	3.628	ng	# 90
69) Atrazine	11.086	200	13611	3.888	ng	94
70) Pentachlorophenol	11.210	266	2998m	1.730	ng	
71) Phenanthrene	11.422	178	68657	3.982	ng	99
72) Anthracene	11.475	178	68333	4.002	ng	99
73) Carbazole	11.633	167	60274	3.748	ng	98
74) Di-n-butylphthalate	11.951	149	70440	3.745	ng	99
75) Fluoranthene	12.616	202	76236	3.954	ng	91
77) Benzidine	12.739	184	28193	4.319	ng	97
78) Pyrene	12.845	202	75476	3.775	ng	99
80) Butylbenzylphthalate	13.457	149	27228	3.538	ng	# 89
81) Benzo(a)anthracene	14.033	228	63570	3.678	ng	98
82) 3,3'-Dichlorobenzidine	13.998	252	20876	3.885	ng	# 96
83) Chrysene	14.069	228	63480	3.949	ng	98
84) Bis(2-ethylhexyl)phtha...	14.010	149	36695	3.543	ng	98
85) Di-n-octyl phthalate	14.621	149	55087	3.514	ng	# 92
87) Indeno(1,2,3-cd)pyrene	17.033	276	37035	3.050	ng	# 84
88) Benzo(b)fluoranthene	15.092	252	48961	3.700	ng	# 92
89) Benzo(k)fluoranthene	15.121	252	50832	4.086	ng	# 92
90) Benzo(a)pyrene	15.468	252	45511	4.368	ng	# 91
91) Dibenzo(a,h)anthracene	17.045	278	32759	3.241	ng	# 89
92) Benzo(g,h,i)perylene	17.492	276	33349	3.383	ng	# 83

(#) = 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: BF127297.D
Acq: 11 Mar 2022 11:50

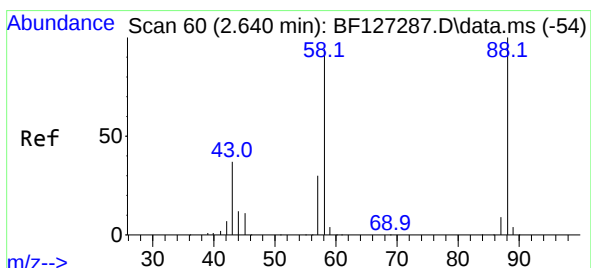
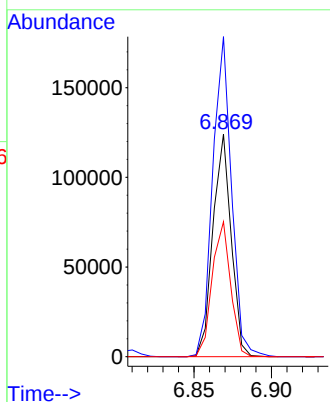
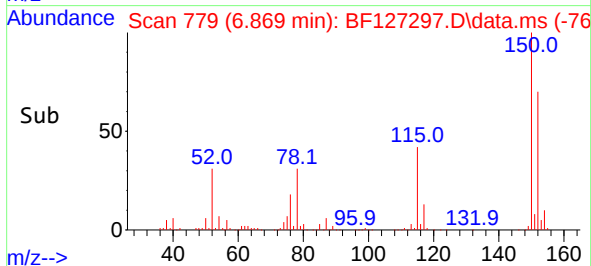
Instrument :
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ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



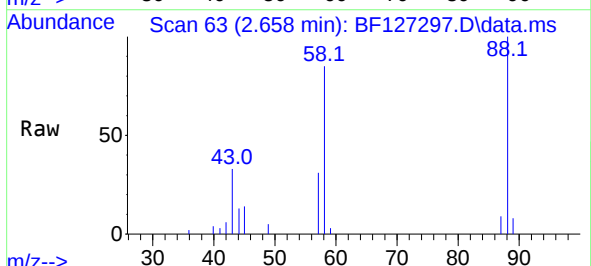
Tgt Ion:152 Resp: 101438
Ion Ratio Lower Upper
152 100
150 143.7 128.1 192.1
115 60.6 56.7 85.1

Manual Integrations
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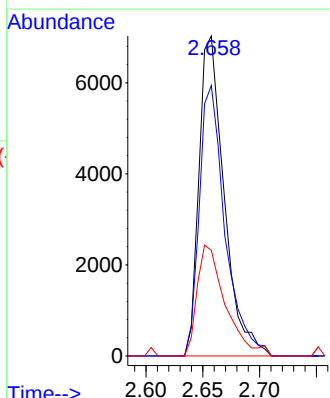
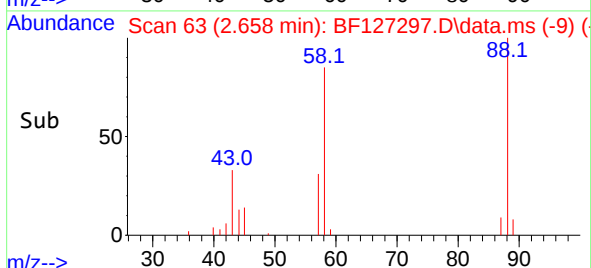
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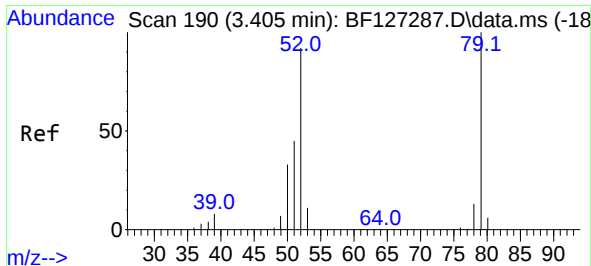


#2
1,4-Dioxane
Concen: 3.304 ng
RT: 2.658 min Scan# 63
Delta R.T. 0.018 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50



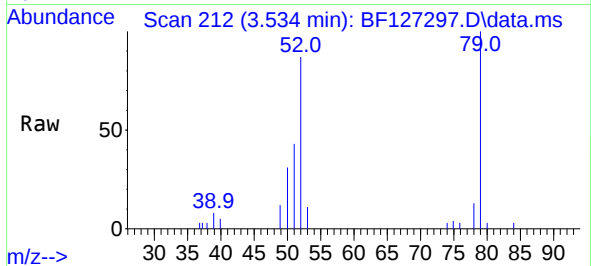
Tgt Ion: 88 Resp: 10810
Ion Ratio Lower Upper
88 100
58 86.5 62.8 94.2
43 39.0 22.3 33.5





#3
Pyridine
Concen: 3.101 ng m
RT: 3.534 min Scan# 21
Delta R.T. 0.129 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

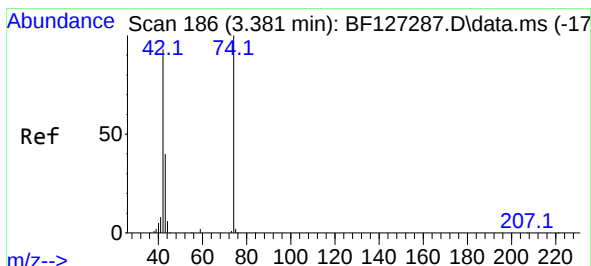
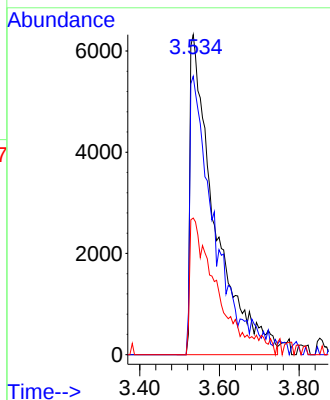
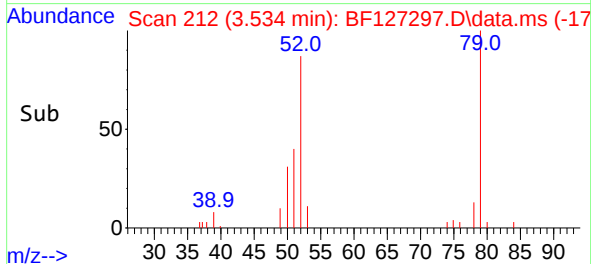
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ClientSampleId :
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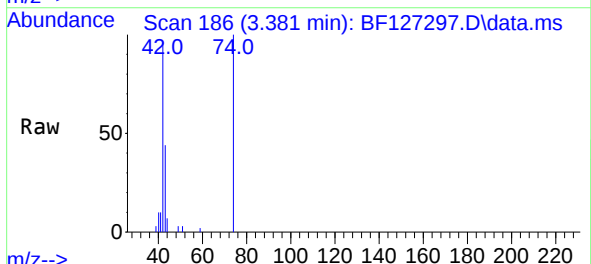
Tgt Ion: 79 Resp: 27000
Ion Ratio Lower Upper
79 100
52 87.0 56.2 84.4
51 42.7 26.7 40.1

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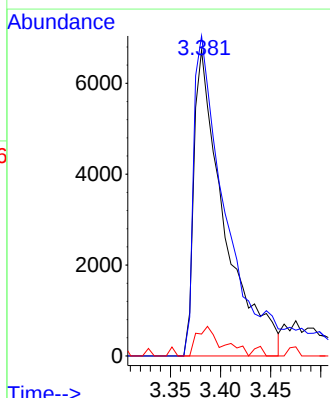
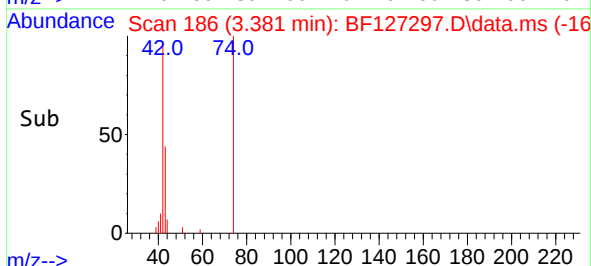
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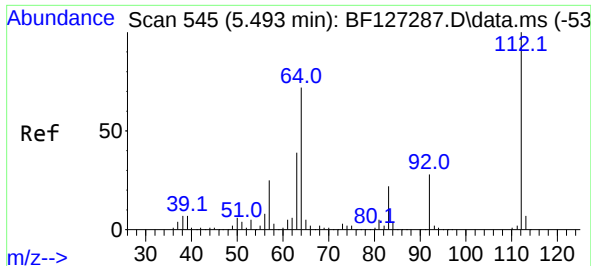


#4
n-Nitrosodimethylamine
Concen: 2.942 ng
RT: 3.381 min Scan# 186
Delta R.T. -0.000 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50



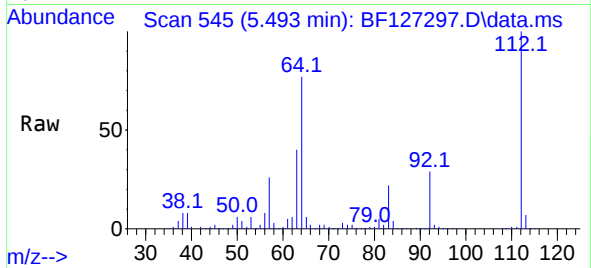
Tgt Ion: 42 Resp: 14190
Ion Ratio Lower Upper
42 100
74 104.7 125.6 188.4
44 7.2 5.7 8.5





#5
2-Fluorophenol
Concen: 132.086 ng
RT: 5.493 min Scan# 545
Delta R.T. -0.000 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

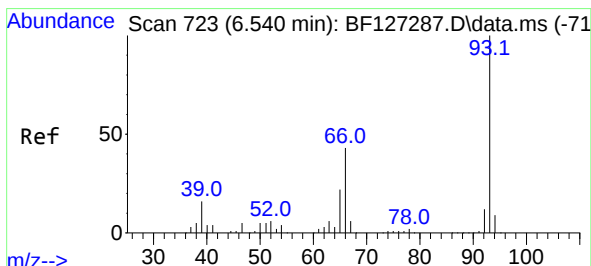
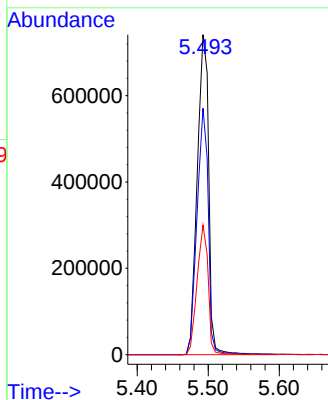
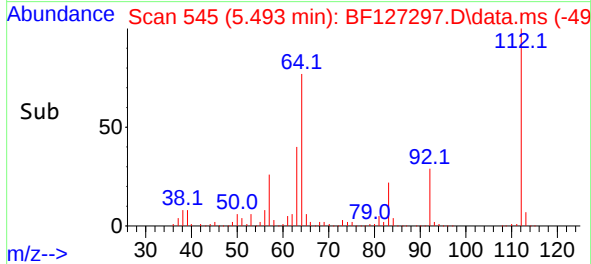
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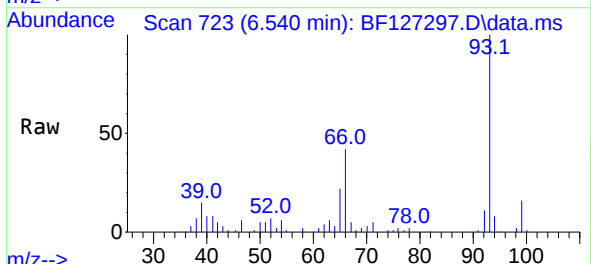
Tgt Ion:112 Resp: 833470
Ion Ratio Lower Upper
112 100
64 77.0 49.5 74.3
63 40.5 23.9 35.9

Manual Integrations
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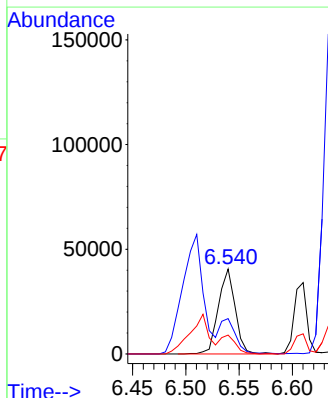
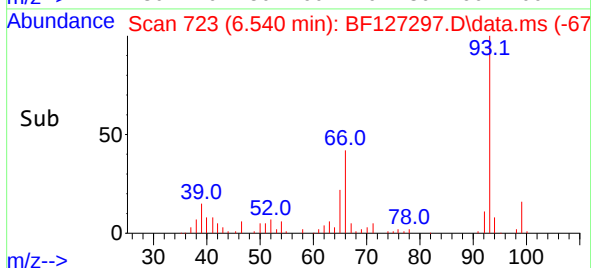
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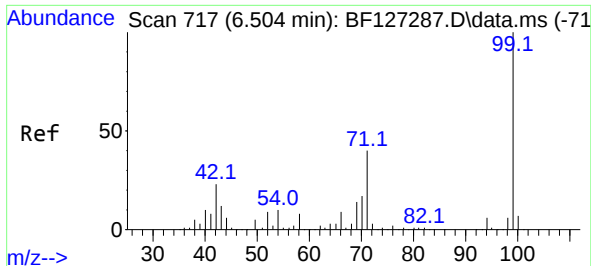


#6
Aniline
Concen: 4.294 ng
RT: 6.540 min Scan# 723
Delta R.T. -0.000 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50



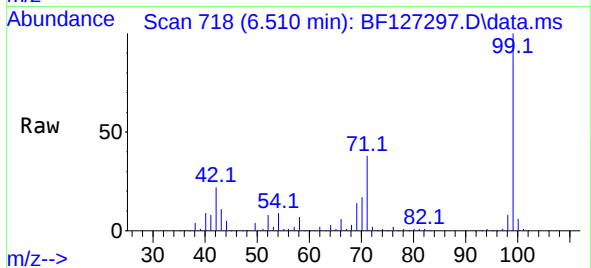
Tgt Ion: 93 Resp: 44548
Ion Ratio Lower Upper
93 100
66 41.7 32.2 48.4
65 22.2 16.3 24.5





#7
Phenol-d6
Concen: 134.761 ng
RT: 6.510 min Scan# 717
Delta R.T. 0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

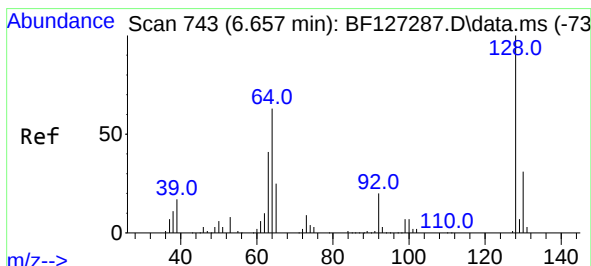
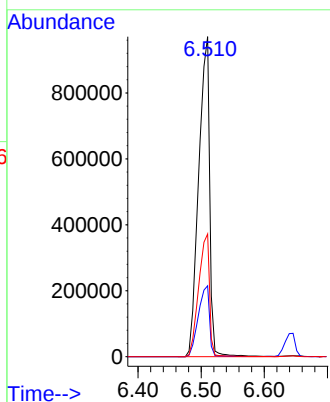
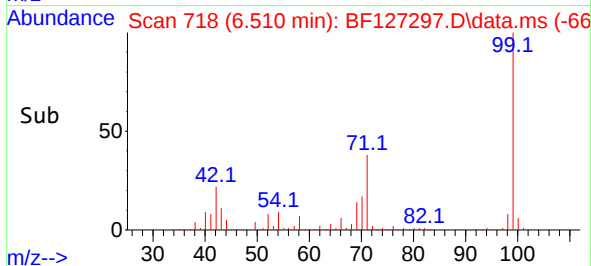
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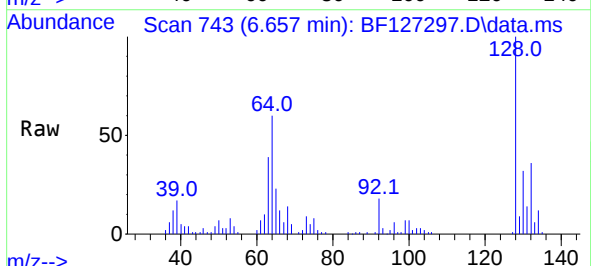
Tgt Ion: 99 Resp: 1169780
Ion Ratio Lower Upper
99 100
42 22.1 14.2 21.4
71 38.4 24.3 36.5

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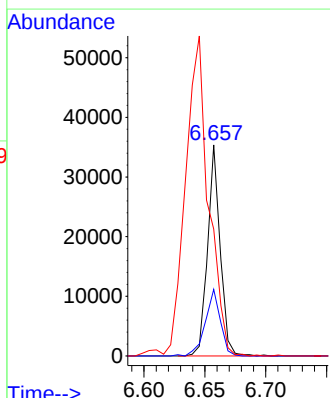
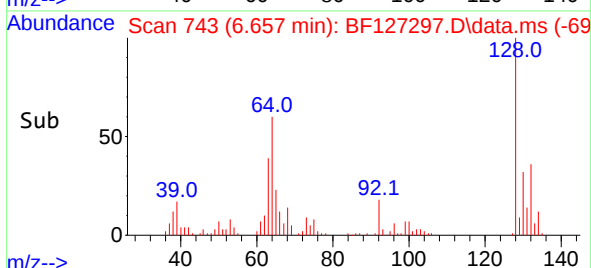
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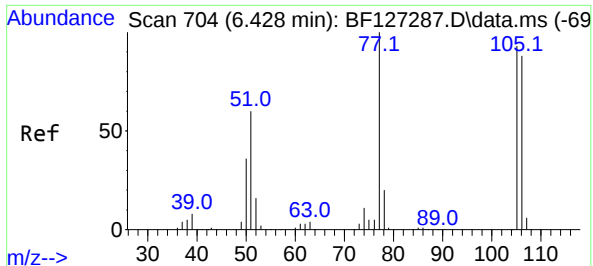


#8
2-Chlorophenol
Concen: 3.901 ng
RT: 6.657 min Scan# 743
Delta R.T. -0.000 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50



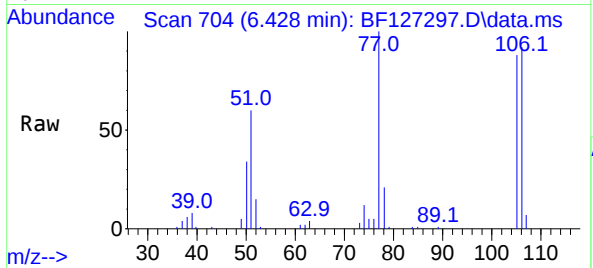
Tgt Ion:128 Resp: 25465
Ion Ratio Lower Upper
128 100
130 31.5 12.7 52.7
64 60.1 35.6 75.6





#9
Benzaldehyde
Concen: 5.065 ng
RT: 6.428 min Scan# 704
Delta R.T. -0.000 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

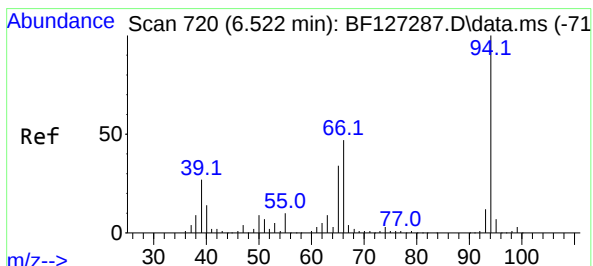
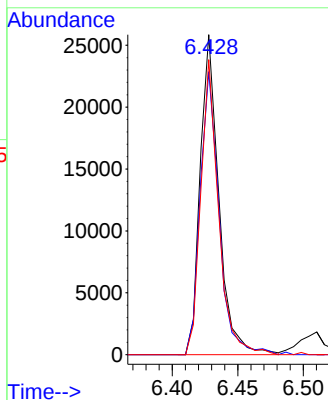
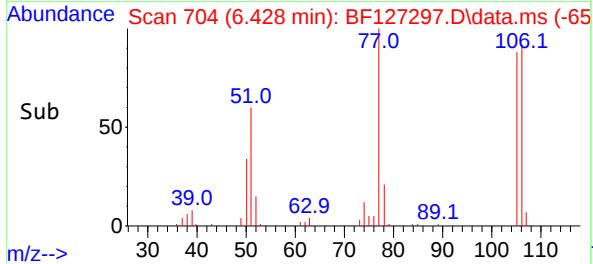
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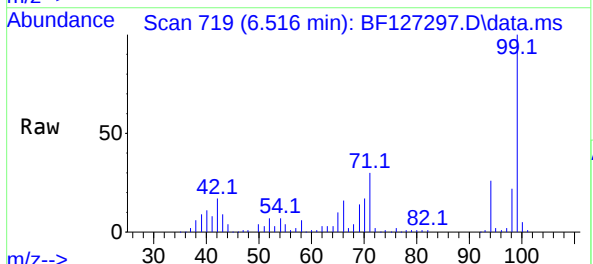
Tgt Ion: 77 Resp: 25629
Ion Ratio Lower Upper
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105 88.5 74.9 114.9
106 92.2 72.4 112.4

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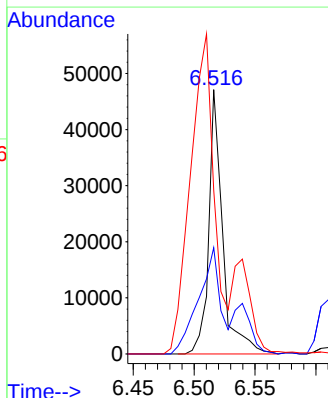
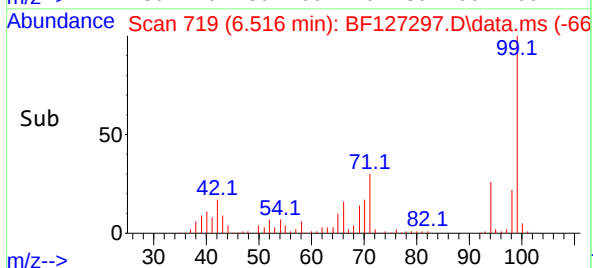
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

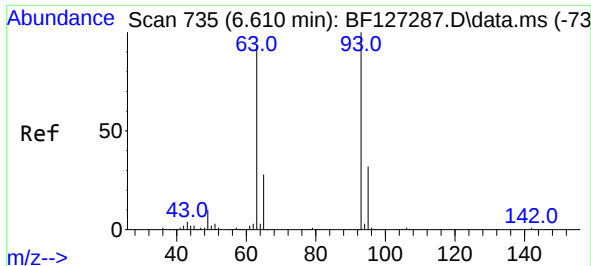


#10
Phenol
Concen: 3.886 ng
RT: 6.516 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50



Tgt Ion: 94 Resp: 37054
Ion Ratio Lower Upper
94 100
65 40.2 7.2 47.2
66 62.0 14.5 54.5#





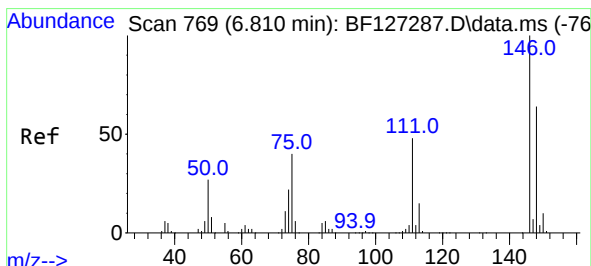
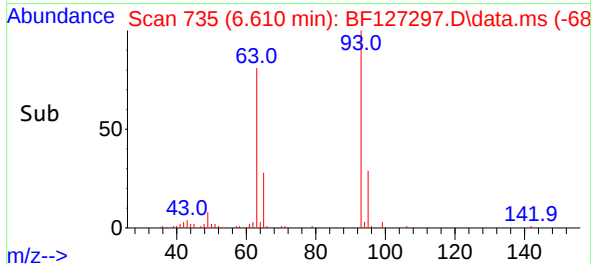
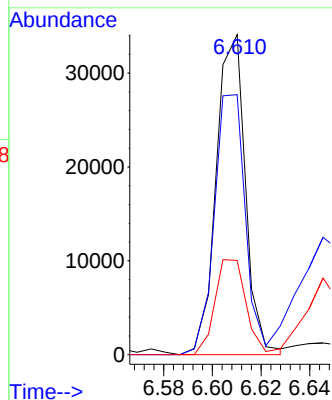
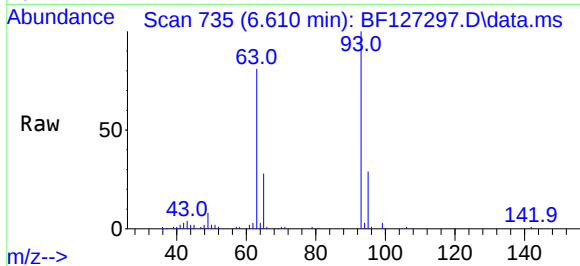
#11
bis(2-Chloroethyl)ether
Concen: 4.013 ng
RT: 6.610 min Scan# 735
Delta R.T. -0.000 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022

Tgt Ion: 93 Resp: 28419
Ion Ratio Lower Upper
93 100
63 81.2 60.5 100.5
95 29.4 12.9 52.9

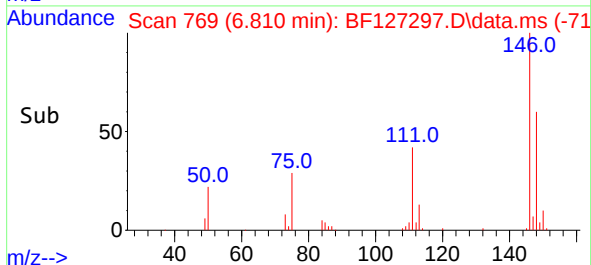
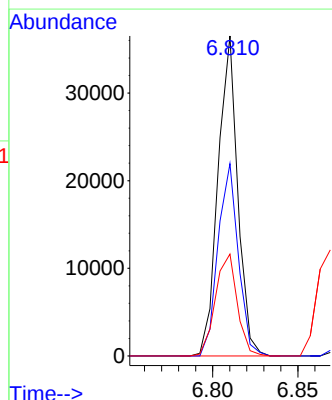
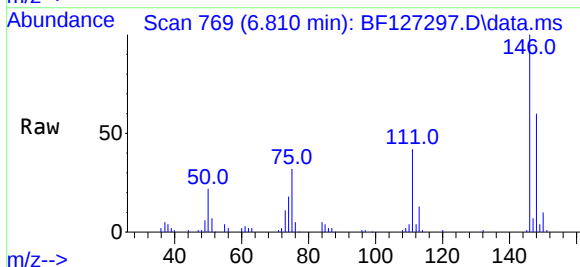
Manual Integrations
APPROVED

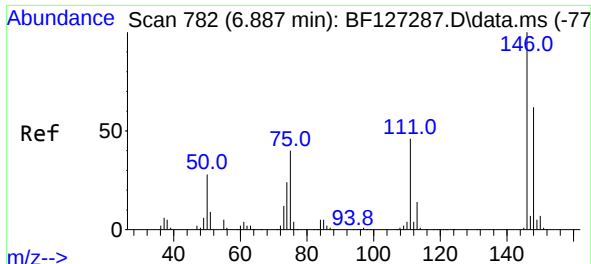
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#12
1,3-Dichlorobenzene
Concen: 4.010 ng
RT: 6.810 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

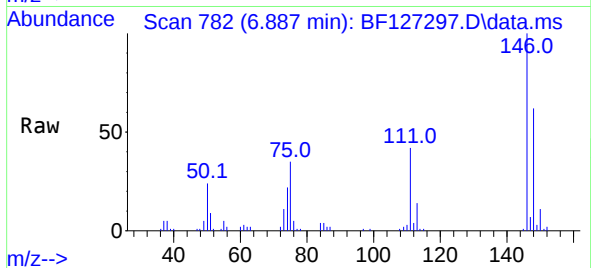
Tgt Ion:146 Resp: 29381
Ion Ratio Lower Upper
146 100
148 60.1 50.9 76.3
75 31.9 28.4 42.6





#13
1,4-Dichlorobenzene
Concen: 3.997 ng
RT: 6.887 min Scan# 782
Delta R.T. -0.000 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

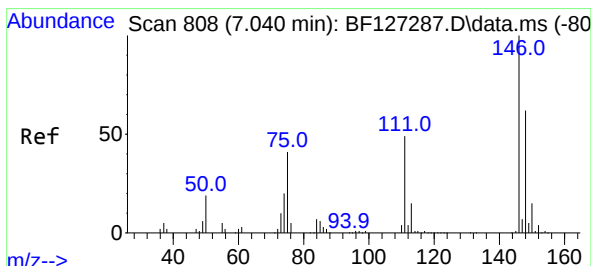
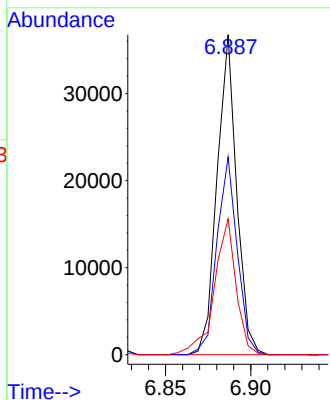
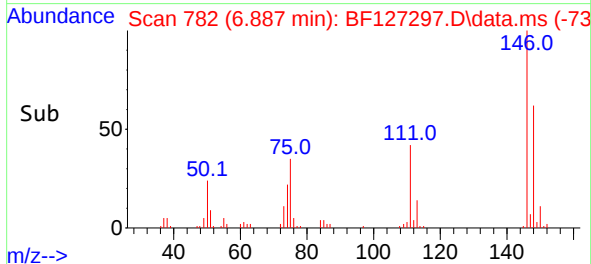
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



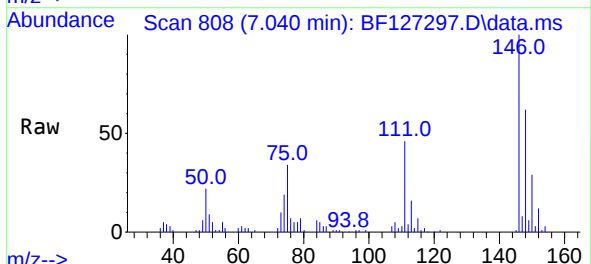
Tgt Ion:146 Resp: 2938
Ion Ratio Lower Upper
146 100
148 61.7 49.8 74.6
111 42.5 36.1 54.1

Manual Integrations
APPROVED

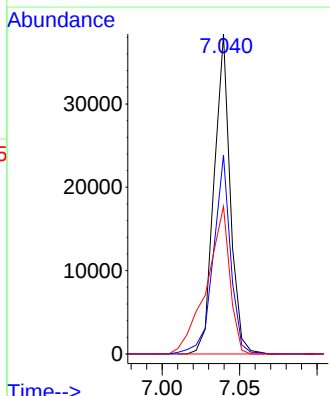
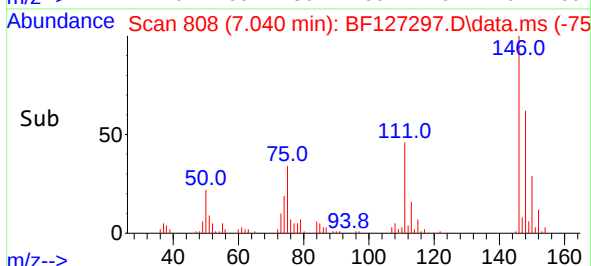
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

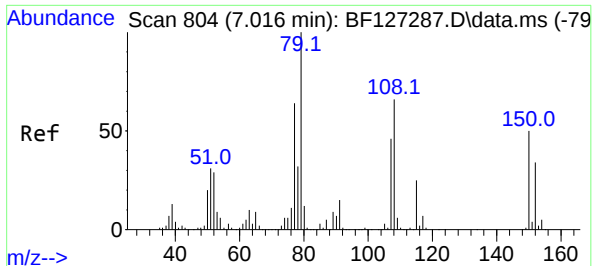


#14
1,2-Dichlorobenzene
Concen: 4.011 ng
RT: 7.040 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50



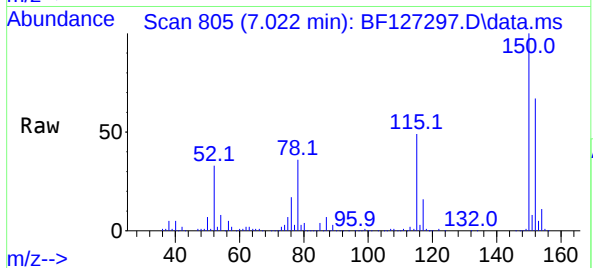
Tgt Ion:146 Resp: 27752
Ion Ratio Lower Upper
146 100
148 62.2 51.6 77.4
111 46.1 40.2 60.2





#15
Benzyl Alcohol
Concen: 4.244 ng
RT: 7.022 min Scan# 804
Delta R.T. 0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

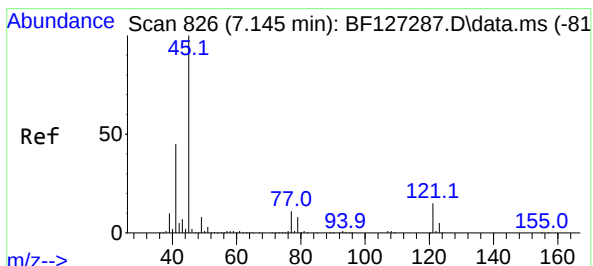
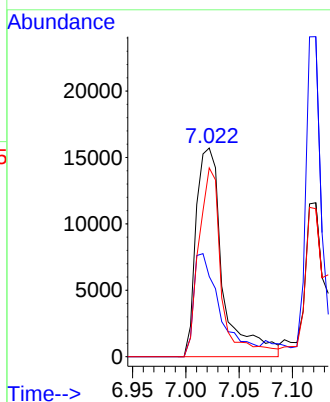
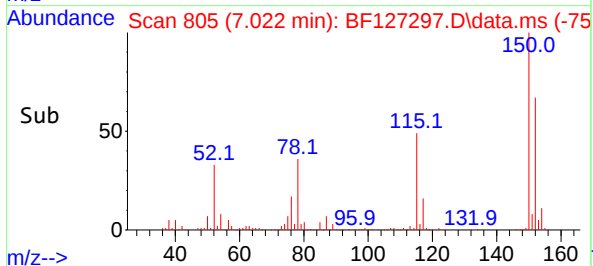
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion: 79 Resp: 2761
Ion Ratio Lower Upper
79 100
108 38.4 63.2 94.8
77 90.5 49.4 74.2

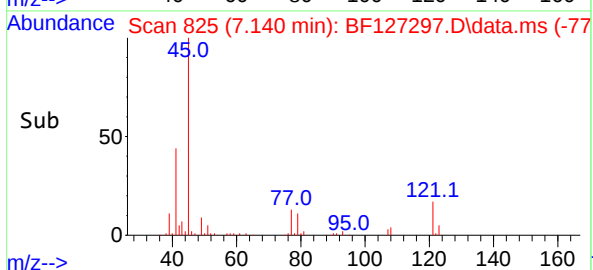
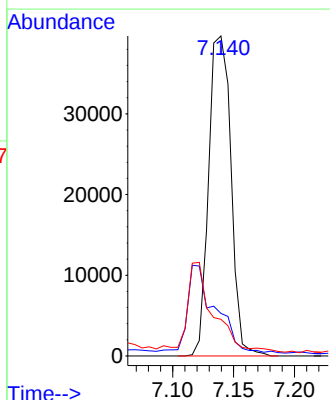
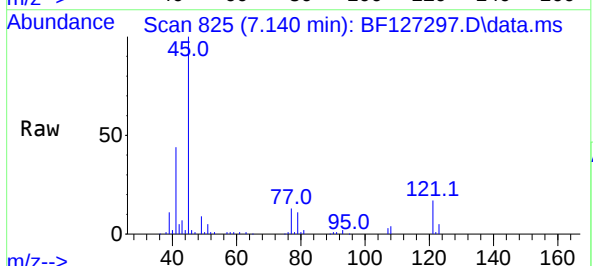
Manual Integrations
APPROVED

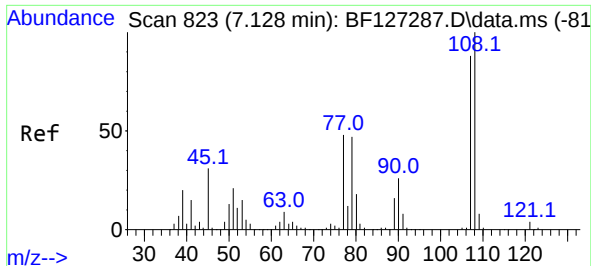
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 3.811 ng
RT: 7.140 min Scan# 825
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

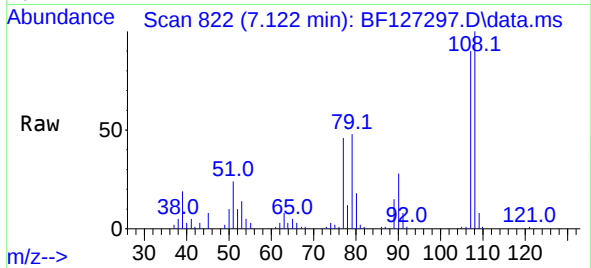
Tgt Ion: 45 Resp: 50641
Ion Ratio Lower Upper
45 100
77 13.3 0.0 32.4
79 11.5 0.0 29.8





#17
2-Methylphenol
Concen: 3.726 ng
RT: 7.122 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

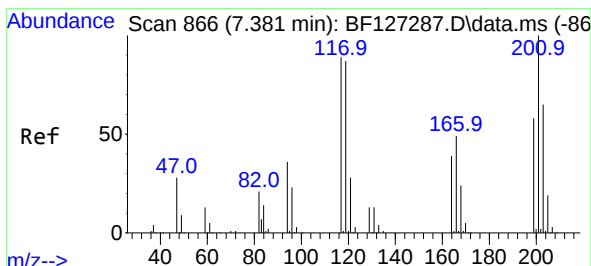
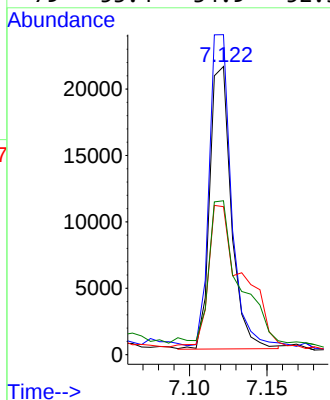
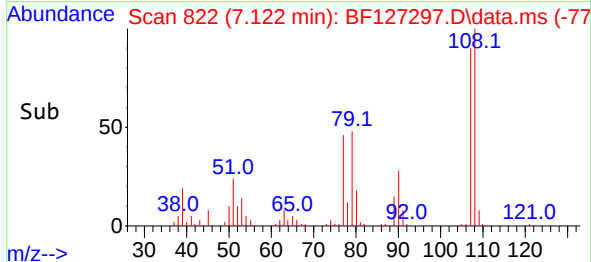
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:107 Resp: 2067
Ion Ratio Lower Upper
107 100
108 111.1 93.4 140.0
77 51.4 36.1 54.1
79 53.4 34.9 52.3#

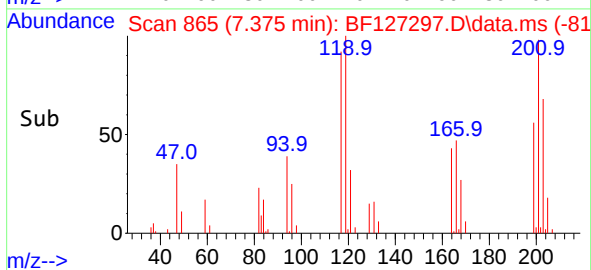
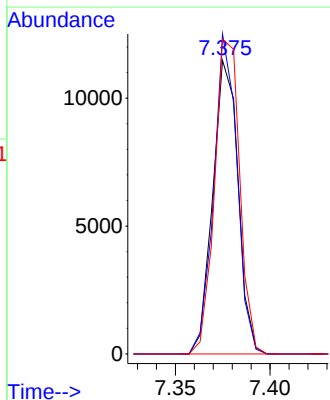
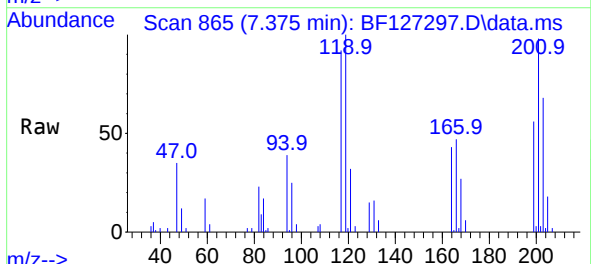
Manual Integrations
APPROVED

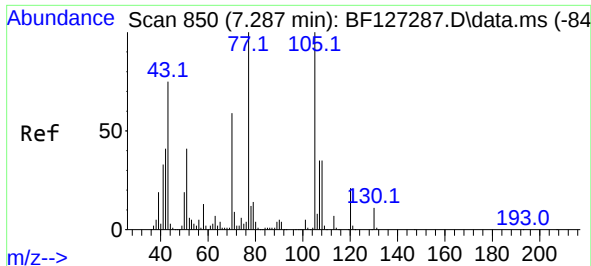
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#18
Hexachloroethane
Concen: 3.778 ng
RT: 7.375 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

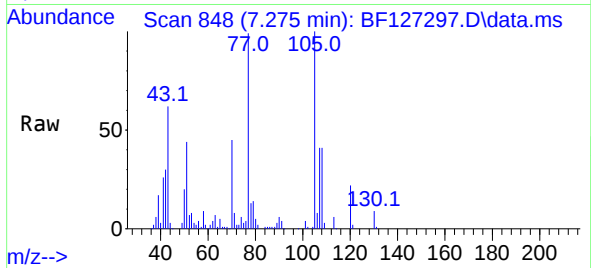
Tgt Ion:117 Resp: 10667
Ion Ratio Lower Upper
117 100
119 109.0 75.4 113.0
201 107.2 56.8 85.2#





#19
n-Nitroso-di-n-propylamine
Concen: 3.998 ng
RT: 7.275 min Scan# 848
Delta R.T. -0.012 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

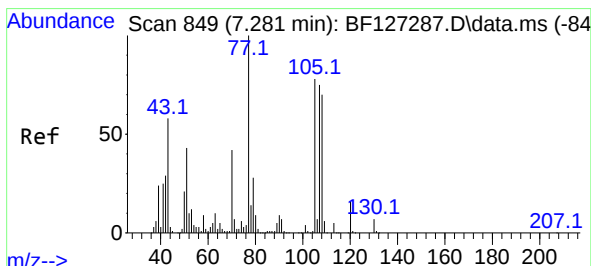
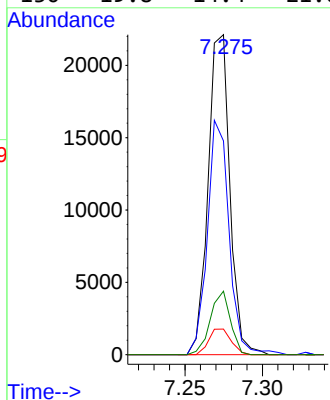
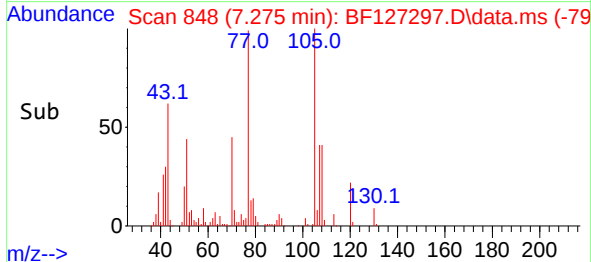
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



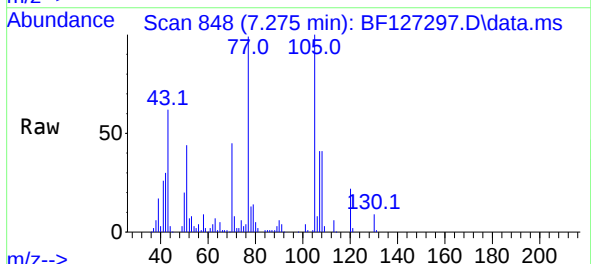
Tgt Ion: 70 Resp: 21650
Ion Ratio Lower Upper
70 100
42 66.8 45.8 68.8
101 8.0 6.9 10.3
130 19.8 14.4 21.6

Manual Integrations
APPROVED

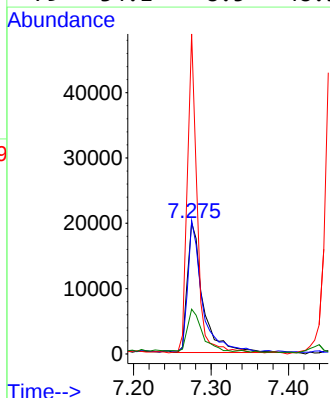
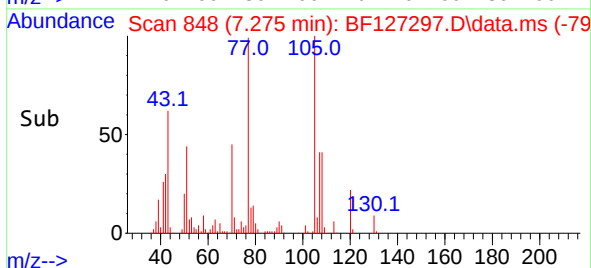
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

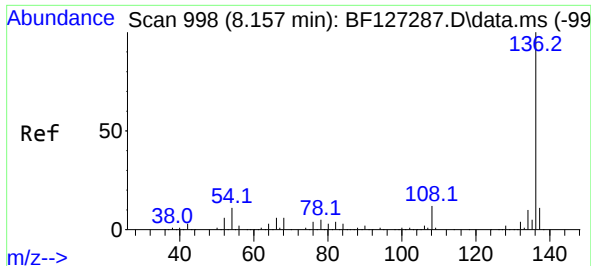


#20
3+4-Methylphenols
Concen: 3.820 ng
RT: 7.275 min Scan# 848
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50



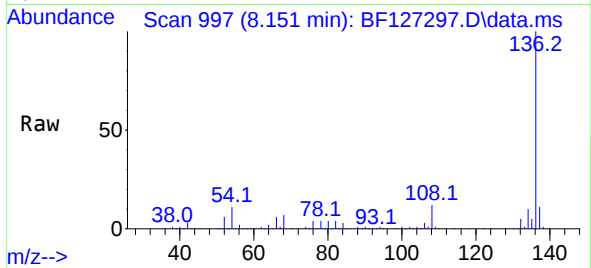
Tgt Ion:107 Resp: 27494
Ion Ratio Lower Upper
107 100
108 101.7 72.4 112.4
77 243.8 83.8 123.8#
79 34.1 8.5 48.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 997
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

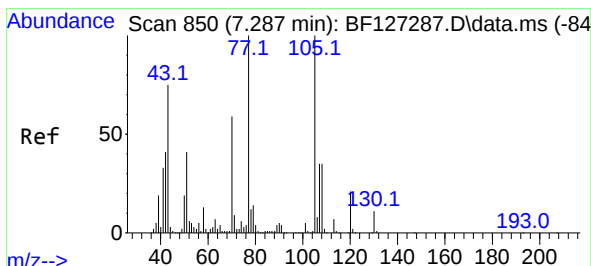
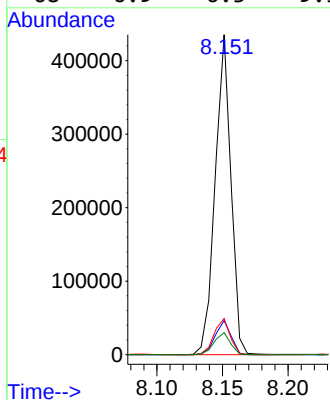
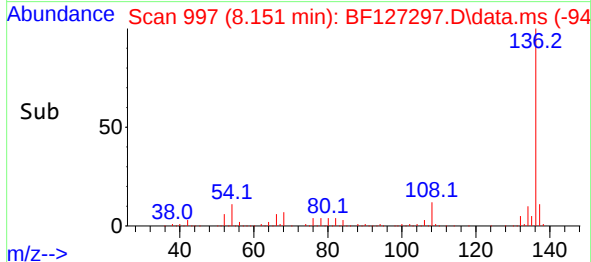
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



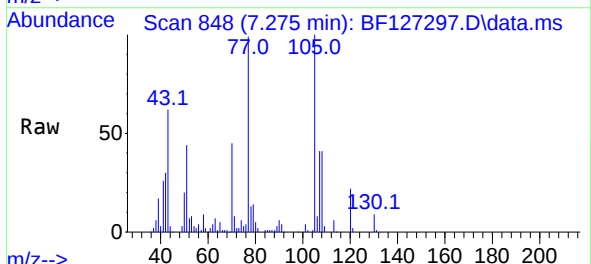
Tgt Ion:136 Resp: 36371
Ion Ratio Lower Upper
136 100
137 10.6 8.6 13.0
54 11.3 7.8 11.6
68 6.9 6.3 9.5

Manual Integrations
APPROVED

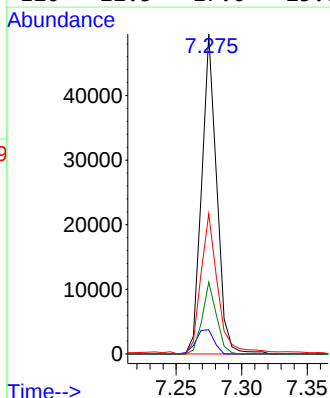
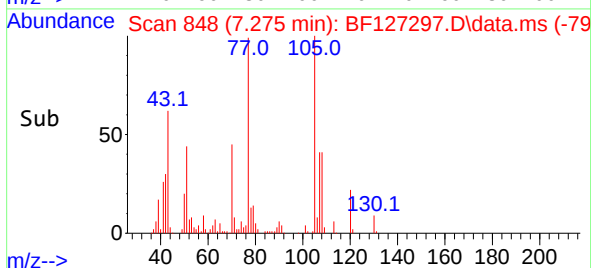
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

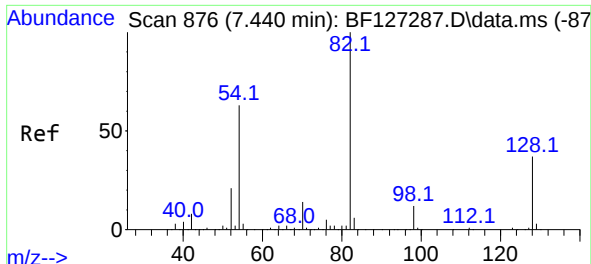


#22
Acetophenone
Concen: 3.976 ng
RT: 7.275 min Scan# 848
Delta R.T. -0.012 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50



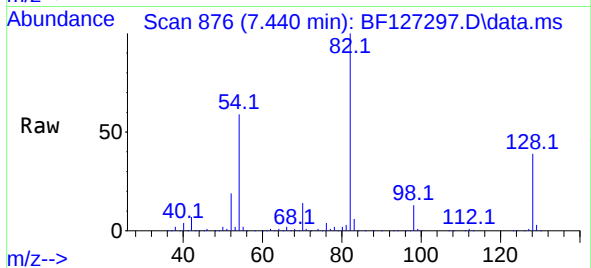
Tgt Ion:105 Resp: 39599
Ion Ratio Lower Upper
105 100
71 7.6 5.4 8.0
51 43.8 27.4 41.0#
120 22.5 17.0 25.6





#23
Nitrobenzene-d5
Concen: 75.605 ng
RT: 7.440 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

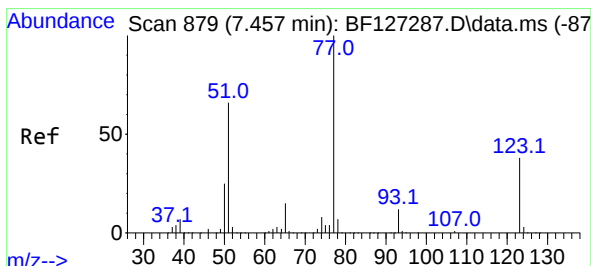
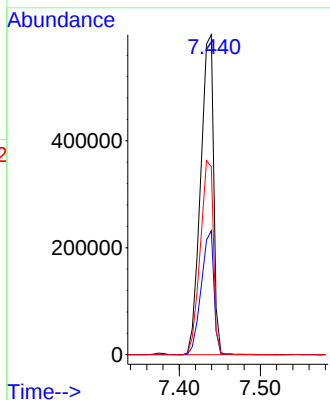
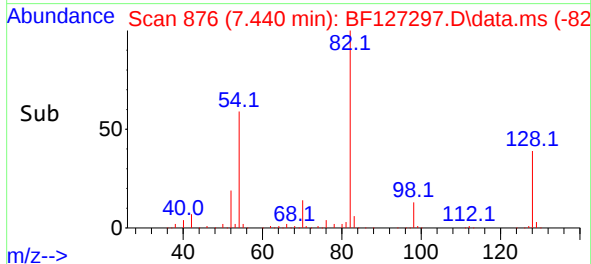
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



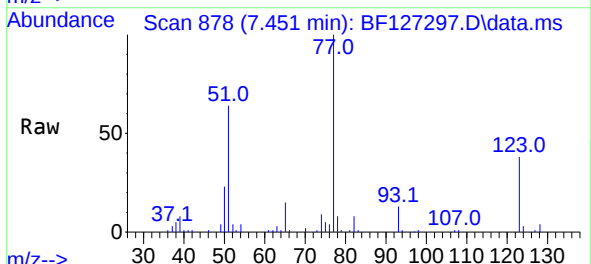
Tgt Ion: 82 Resp: 66586
Ion Ratio Lower Upper
82 100
128 38.8 32.7 49.1
54 58.7 41.7 62.5

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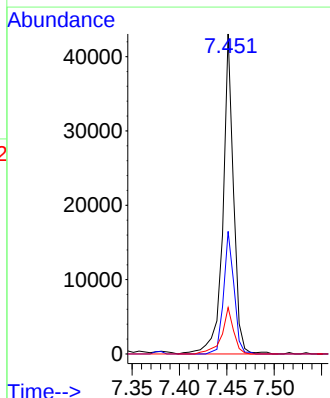
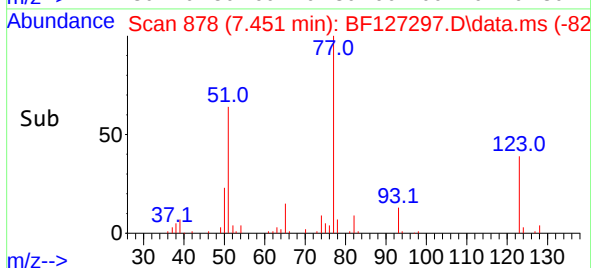
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

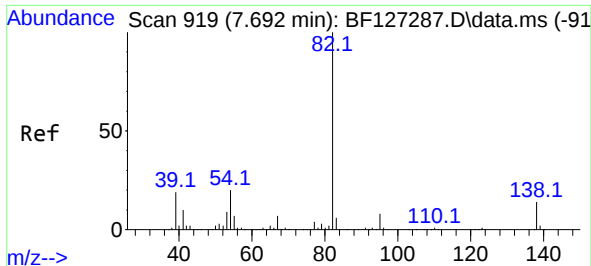


#24
Nitrobenzene
Concen: 4.053 ng
RT: 7.451 min Scan# 878
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50



Tgt Ion: 77 Resp: 33760
Ion Ratio Lower Upper
77 100
123 38.3 34.6 52.0
65 14.5 10.6 15.8





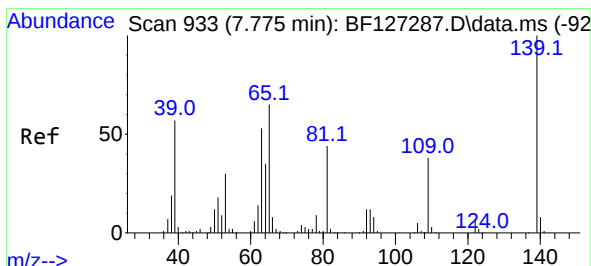
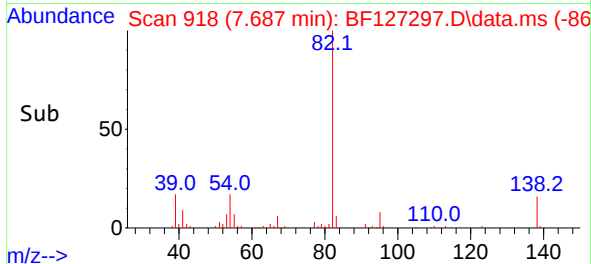
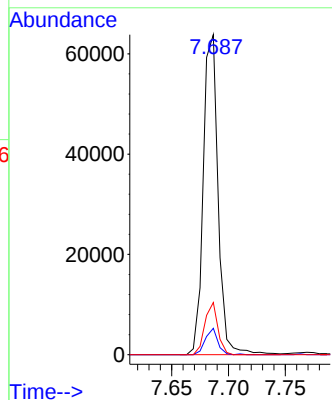
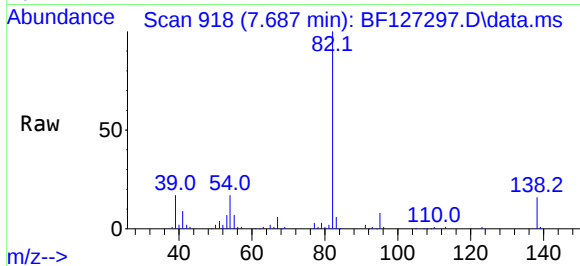
#25
Isophorone
Concen: 4.108 ng
RT: 7.687 min Scan# 919
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion: 82 Resp: 58169
Ion Ratio Lower Upper
82 100
95 8.3 5.0 7.4#
138 16.3 12.3 18.5#

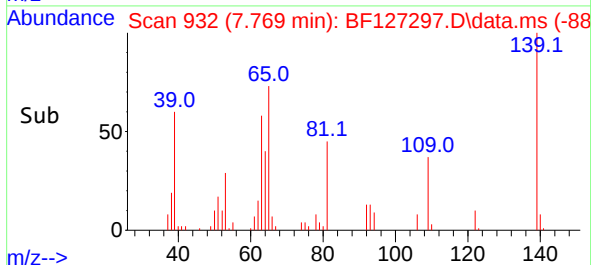
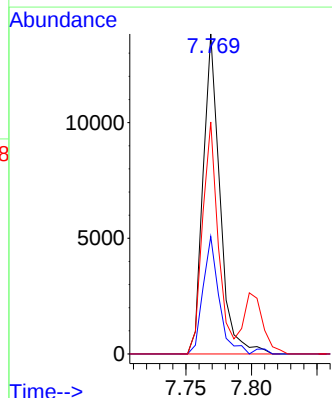
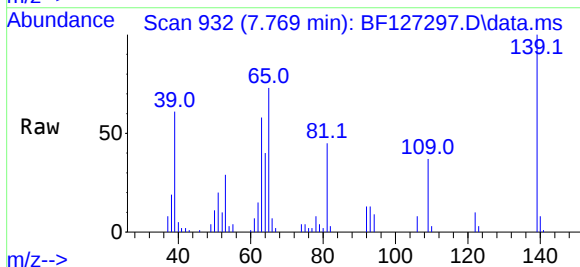
Manual Integrations
APPROVED

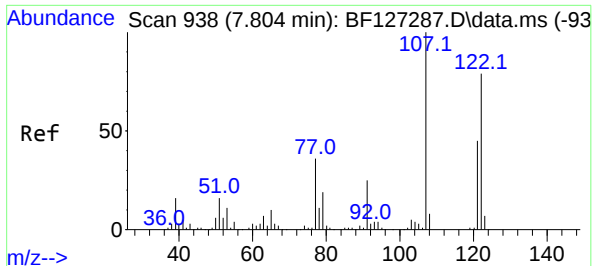
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#26
2-Nitrophenol
Concen: 3.602 ng
RT: 7.769 min Scan# 932
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

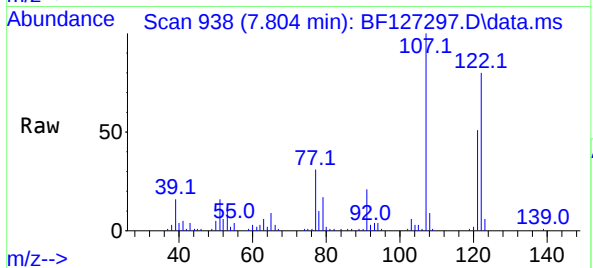
Tgt Ion:139 Resp: 12427
Ion Ratio Lower Upper
139 100
109 36.7 20.0 30.0#
65 72.5 40.8 61.2#





#27
2,4-Dimethylphenol
Concen: 4.408 ng
RT: 7.804 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

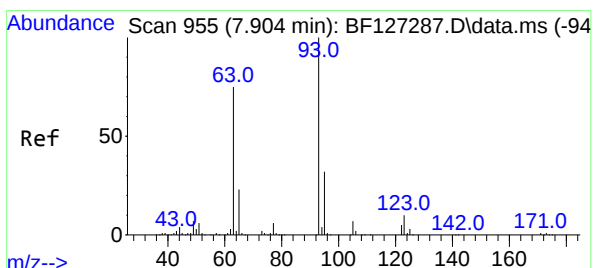
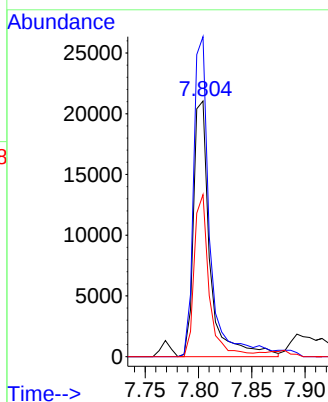
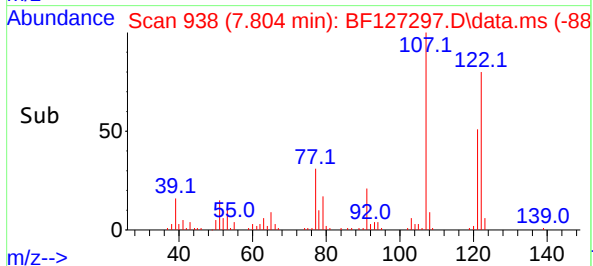
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



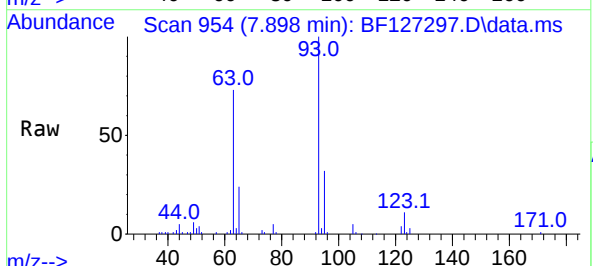
Tgt Ion:122 Resp: 2282
Ion Ratio Lower Upper
122 100
107 125.2 91.2 136.8
121 63.4 44.4 66.6

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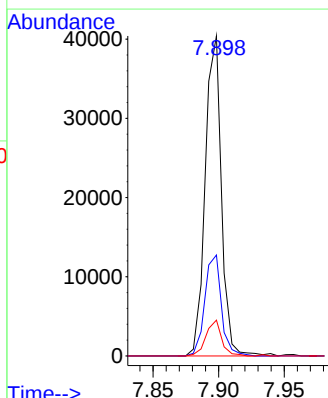
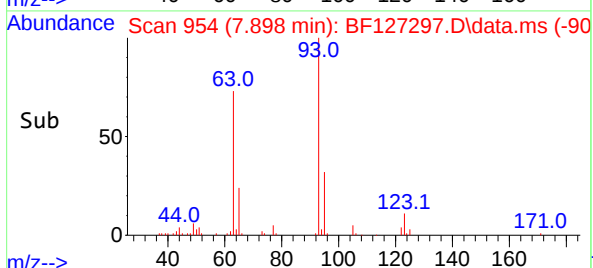
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

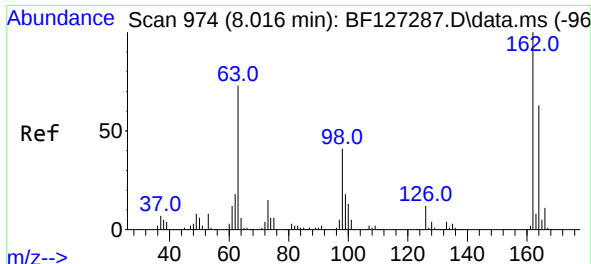


#28
bis(2-Chloroethoxy)methane
Concen: 3.879 ng
RT: 7.898 min Scan# 954
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50



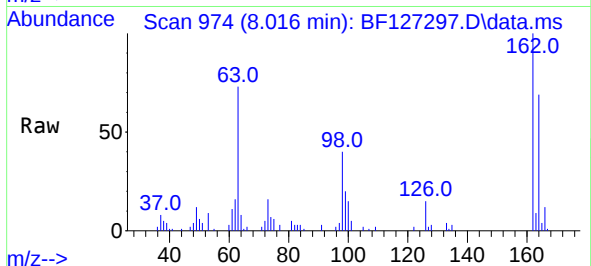
Tgt Ion: 93 Resp: 34810
Ion Ratio Lower Upper
93 100
95 31.5 25.4 38.2
123 11.2 8.9 13.3





#29
2,4-Dichlorophenol
Concen: 3.632 ng
RT: 8.016 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

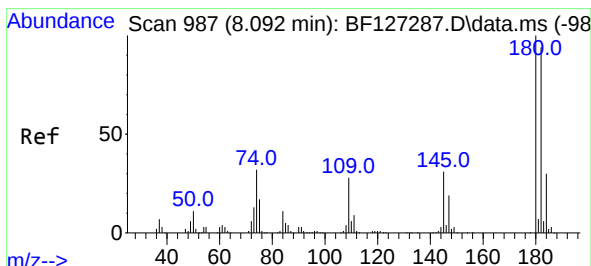
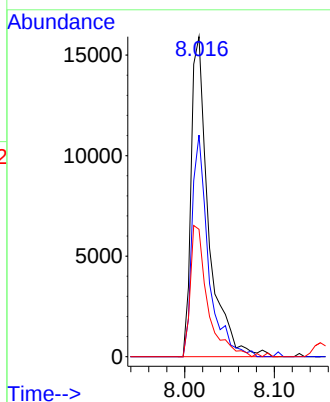
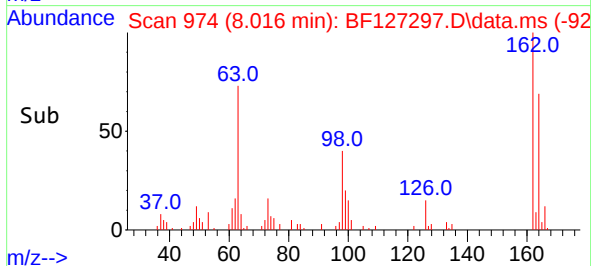
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



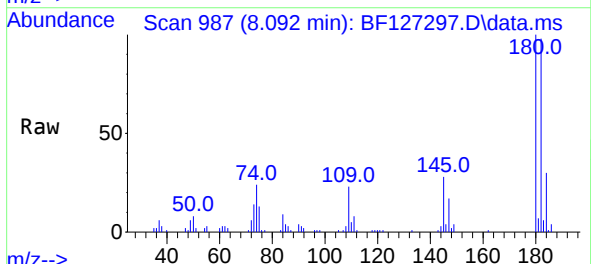
Tgt Ion:162 Resp: 2154
Ion Ratio Lower Upper
162 100
164 69.2 43.8 83.8
98 39.8 23.6 63.6

Manual Integrations
APPROVED

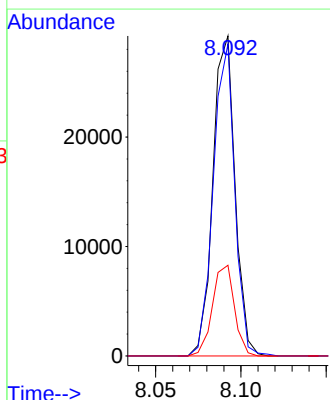
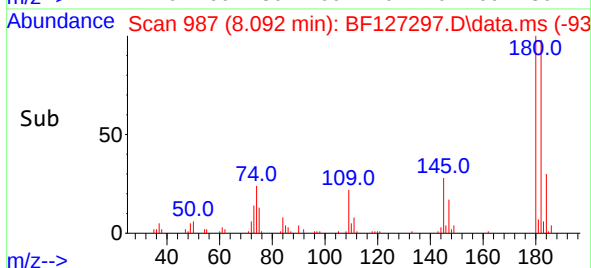
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

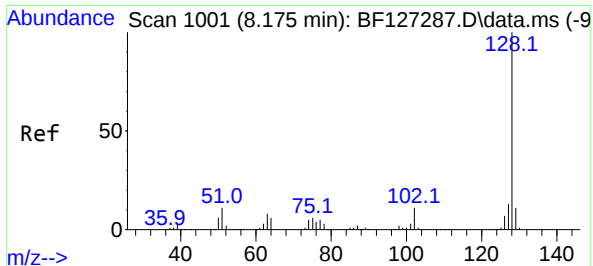


#30
1,2,4-Trichlorobenzene
Concen: 3.905 ng
RT: 8.092 min Scan# 987
Delta R.T. -0.000 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50



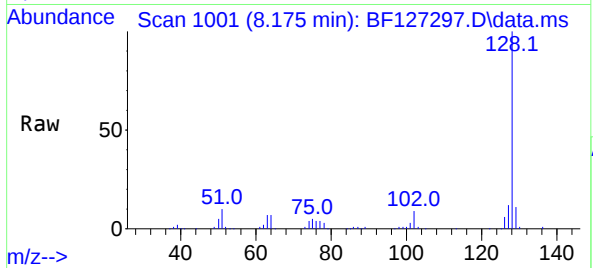
Tgt Ion:180 Resp: 26400
Ion Ratio Lower Upper
180 100
182 97.5 75.5 113.3
145 28.3 26.2 39.2





#31
Naphthalene
Concen: 4.074 ng
RT: 8.175 min Scan# 1001
Delta R.T. -0.000 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

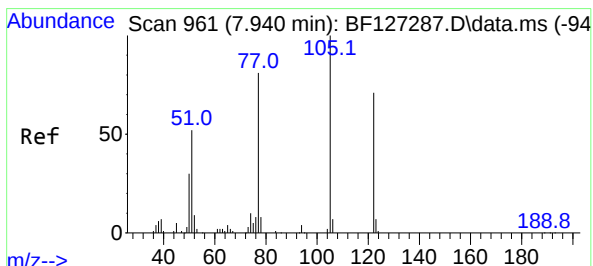
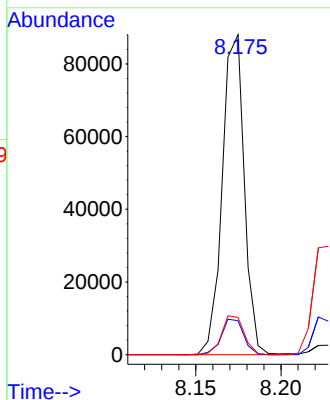
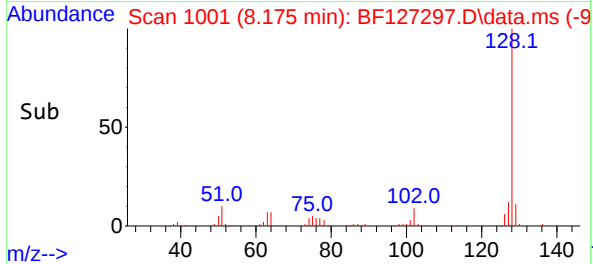
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:128 Resp: 7904
Ion Ratio Lower Upper
128 100
129 10.6 8.6 13.0
127 11.7 10.3 15.5

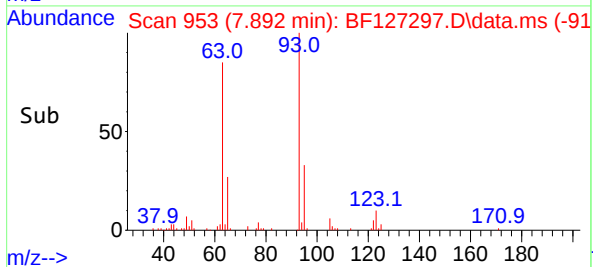
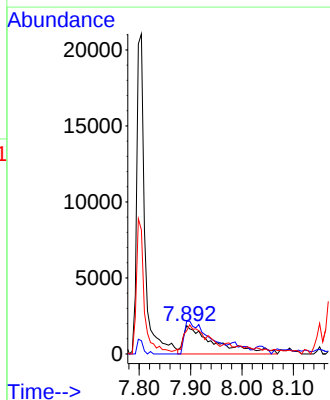
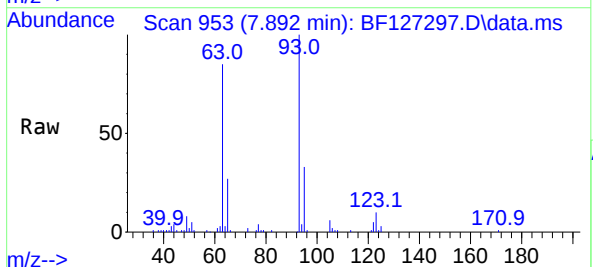
Manual Integrations
APPROVED

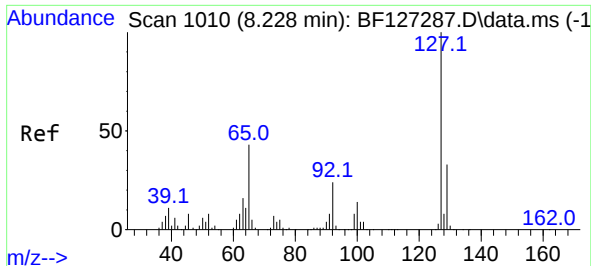
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#32
Benzoic acid
Concen: 2.450 ng m
RT: 7.892 min Scan# 953
Delta R.T. -0.048 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

Tgt Ion:122 Resp: 7873
Ion Ratio Lower Upper
122 100
105 115.7 101.0 141.0
77 82.4 74.5 114.5





#33

4-Chloroaniline

Concen: 4.034 ng

RT: 8.228 min Scan# 1010

Delta R.T. -0.000 min

Lab File: BF127297.D

Acq: 11 Mar 2022 11:50

Instrument :

BNA_F

ClientSampleId :

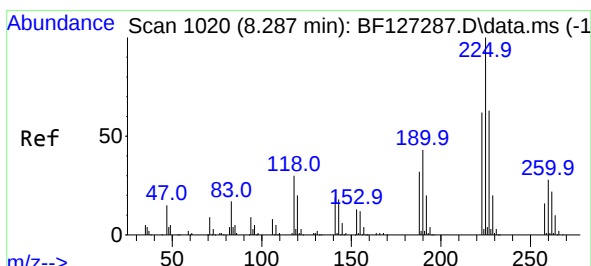
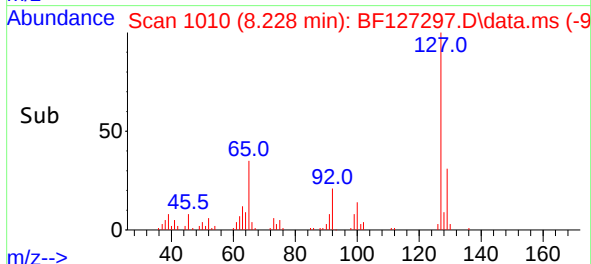
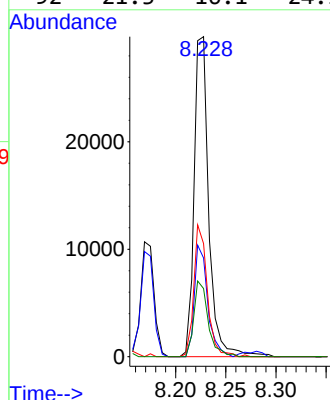
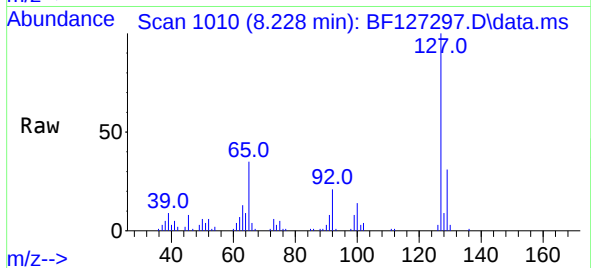
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:127	Resp: 3034
Ion Ratio	Lower Upper
127 100	
129 30.8	26.5 39.7
65 35.4	26.6 39.8
92 21.3	16.1 24.1

Manual Integrations

APPROVED

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



#34

Hexachlorobutadiene

Concen: 3.585 ng

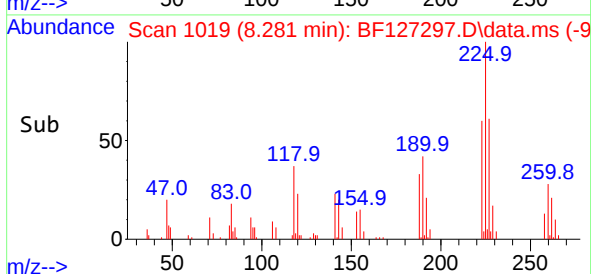
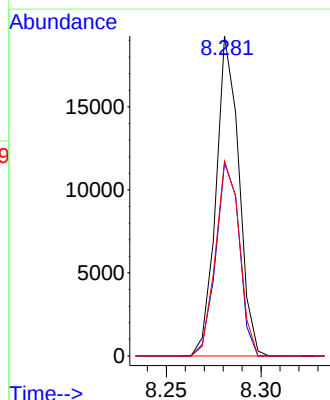
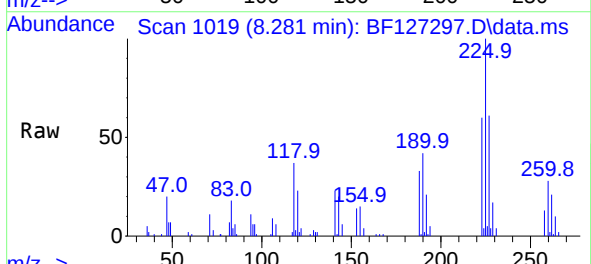
RT: 8.281 min Scan# 1019

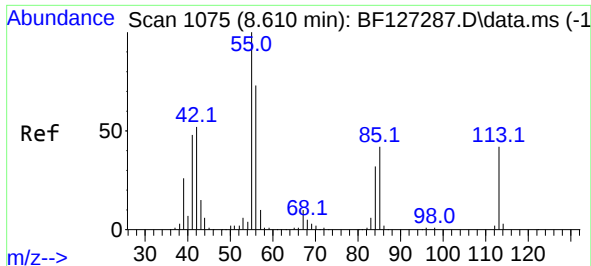
Delta R.T. -0.006 min

Lab File: BF127297.D

Acq: 11 Mar 2022 11:50

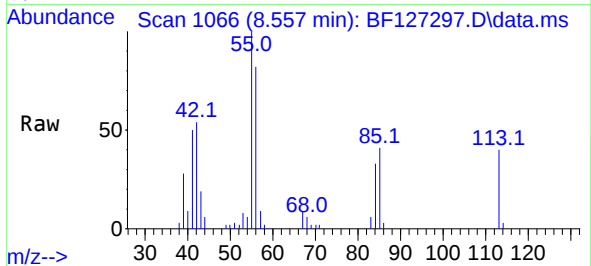
Tgt Ion:225	Resp: 16163
Ion Ratio	Lower Upper
225 100	
223 60.3	48.6 73.0
227 60.9	51.4 77.0





#35
Caprolactam
Concen: 3.566 ng
RT: 8.557 min Scan# 1066
Delta R.T. -0.053 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

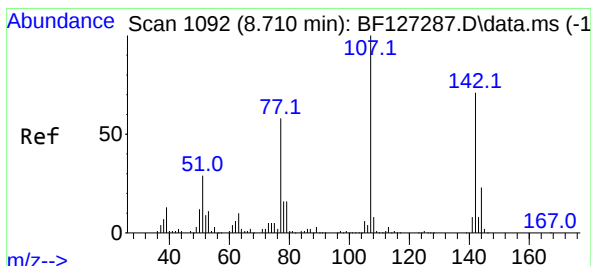
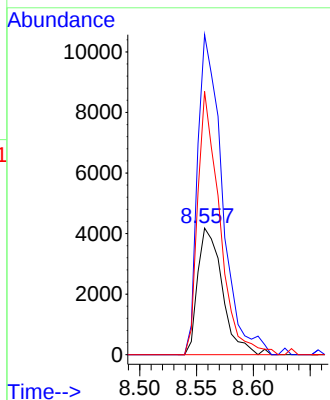
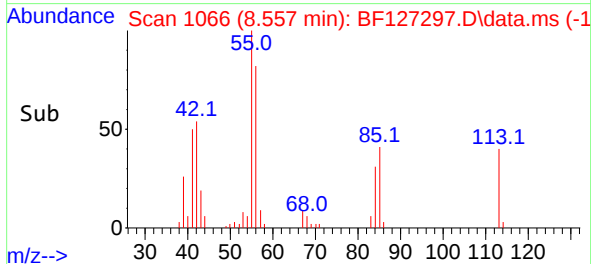
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:113 Resp: 6318
Ion Ratio Lower Upper
113 100
55 252.9 183.9 223.9
56 208.0 129.9 169.9

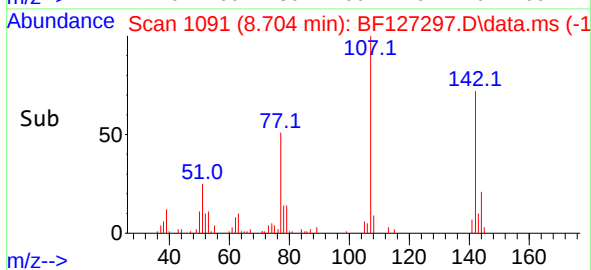
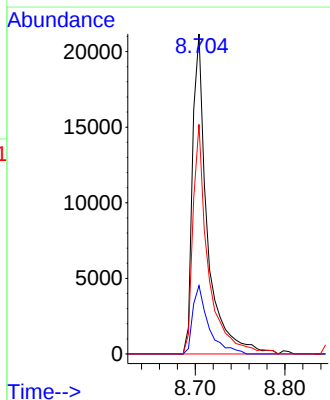
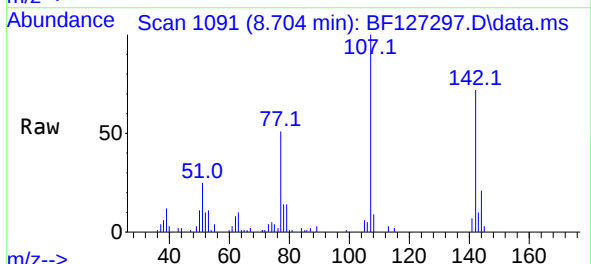
Manual Integrations
APPROVED

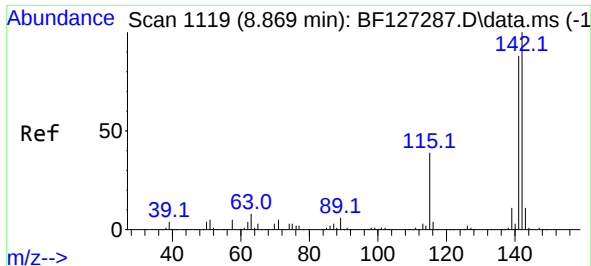
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#36
4-Chloro-3-methylphenol
Concen: 3.773 ng
RT: 8.704 min Scan# 1091
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

Tgt Ion:107 Resp: 24253
Ion Ratio Lower Upper
107 100
144 21.3 18.5 27.7
142 71.7 58.1 87.1





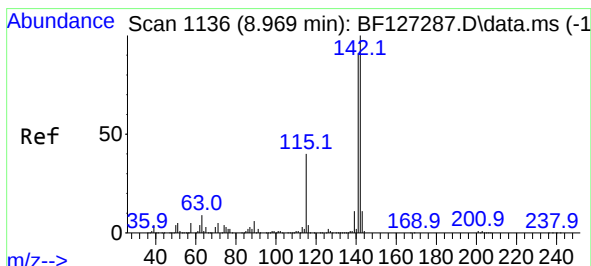
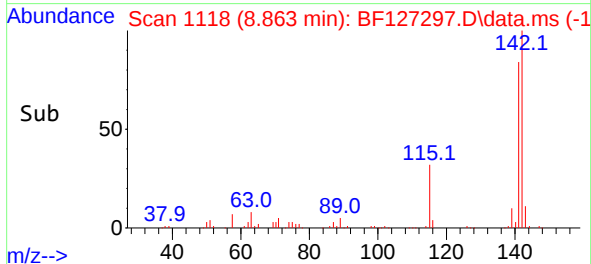
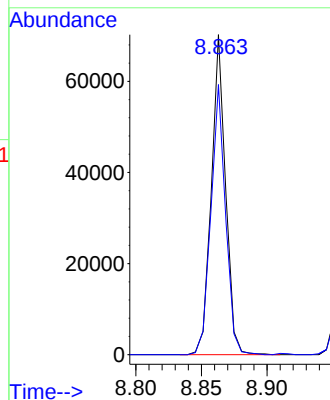
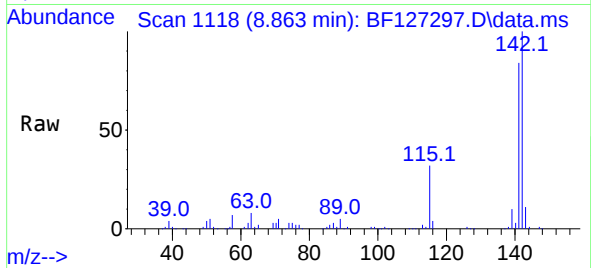
#37
2-Methylnaphthalene
Concen: 4.185 ng
RT: 8.863 min Scan# 1118
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:142 Resp: 5305
Ion Ratio Lower Upper
142 100
141 84.4 68.6 102.8

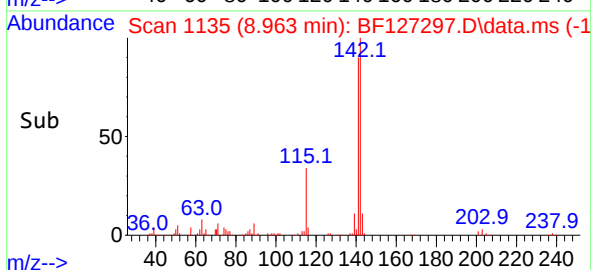
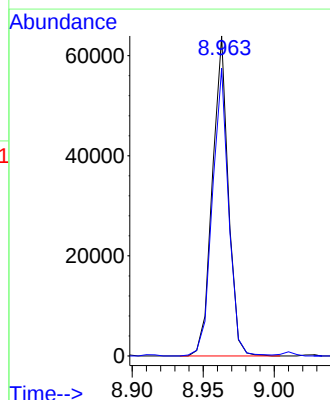
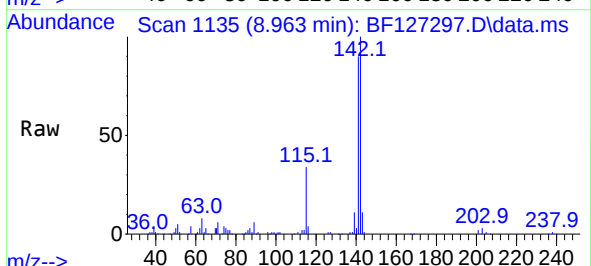
Manual Integrations
APPROVED

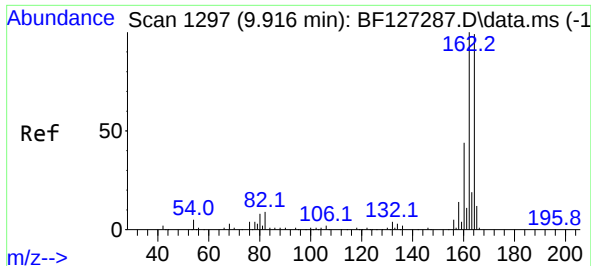
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#38
1-Methylnaphthalene
Concen: 4.102 ng
RT: 8.963 min Scan# 1135
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

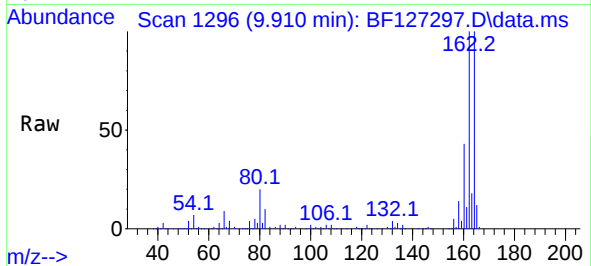
Tgt Ion:142 Resp: 49999
Ion Ratio Lower Upper
142 100
141 89.8 72.1 108.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

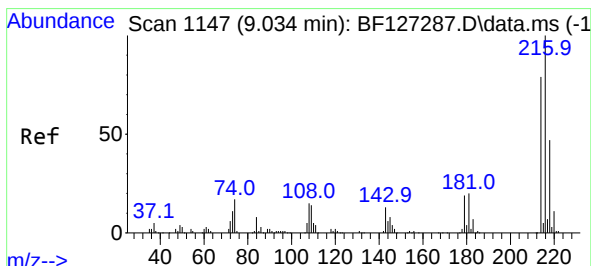
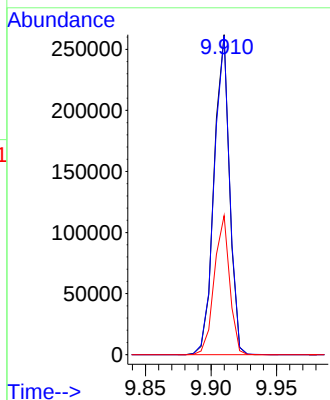
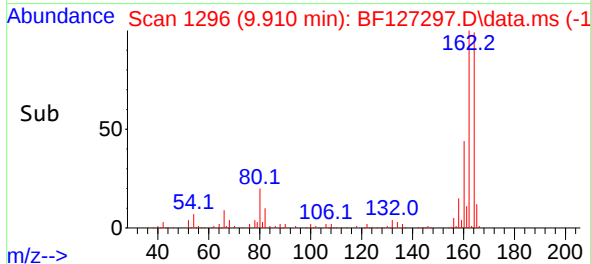
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



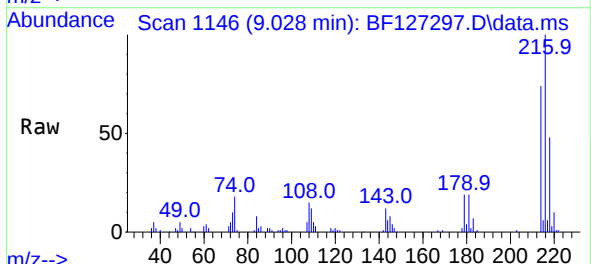
Tgt Ion:164 Resp: 21436
Ion Ratio Lower Upper
164 100
162 99.7 81.4 122.0
160 43.5 36.6 54.8

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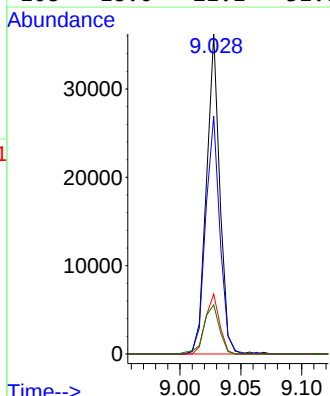
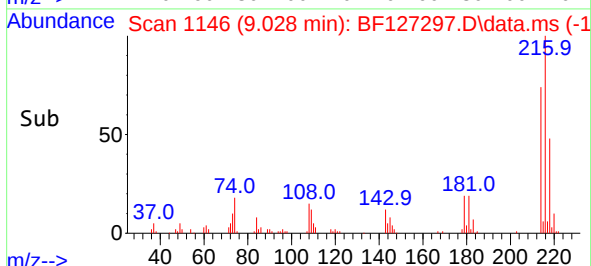
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

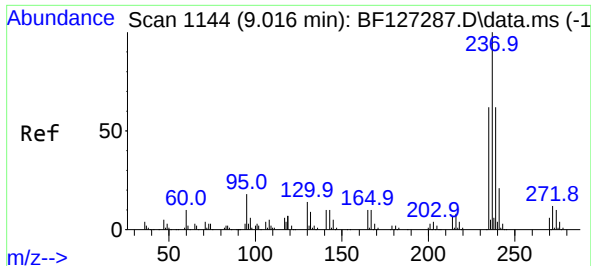


#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.055 ng
RT: 9.028 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50



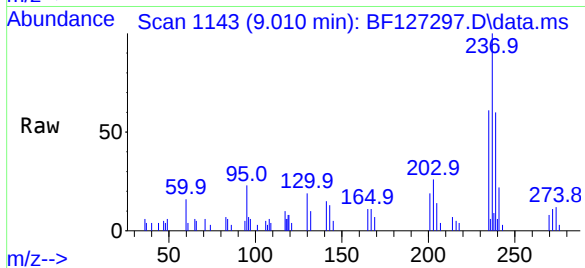
Tgt Ion:216 Resp: 27521
Ion Ratio Lower Upper
216 100
214 79.2 64.6 96.8
179 19.4 19.5 29.3#
108 18.0 21.1 31.7#





#41
Hexachlorocyclopentadiene
Concen: 1.578 ng
RT: 9.010 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

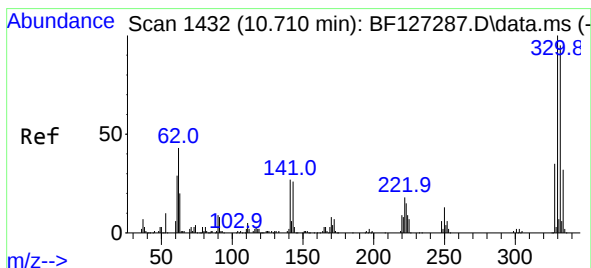
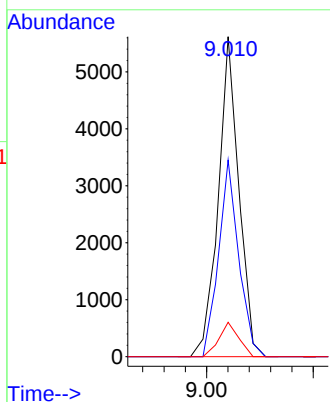
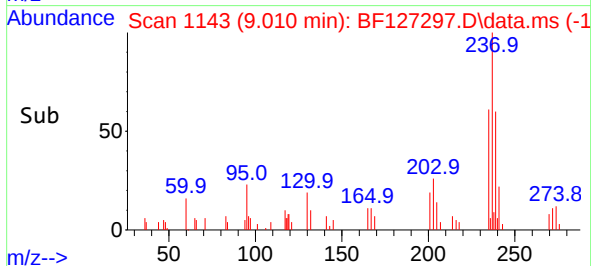
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



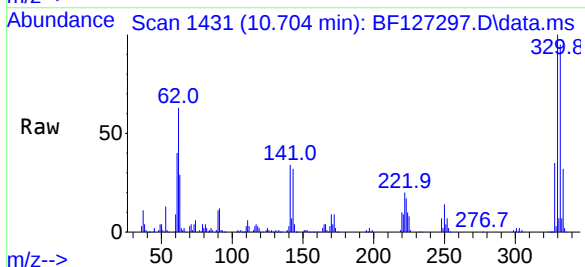
Tgt Ion:237 Resp: 3764
Ion Ratio Lower Upper
237 100
235 61.5 38.9 78.9
272 10.8 0.0 33.5

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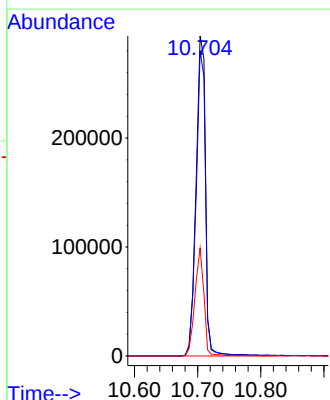
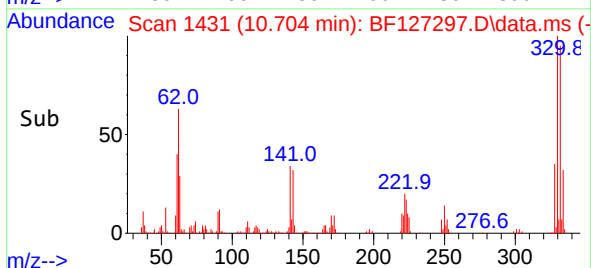
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

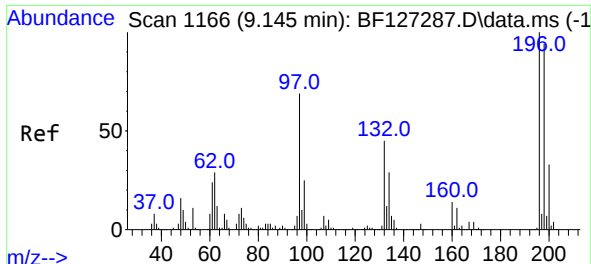


#42
2,4,6-Tribromophenol
Concen: 132.475 ng
RT: 10.704 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50



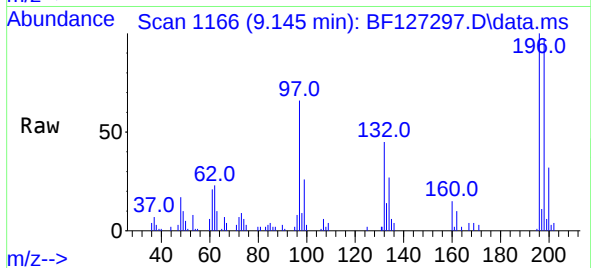
Tgt Ion:330 Resp: 305702
Ion Ratio Lower Upper
330 100
332 94.1 76.0 114.0
141 32.3 30.1 45.1





#43
2,4,6-Trichlorophenol
Concen: 3.336 ng
RT: 9.145 min Scan# 1166
Delta R.T. -0.000 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

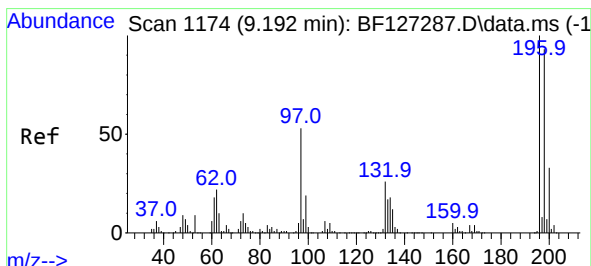
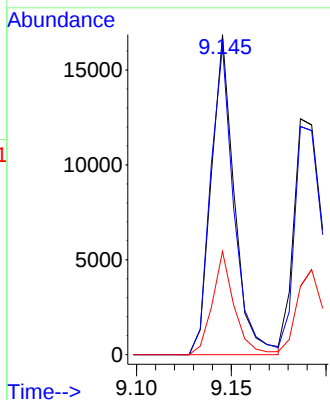
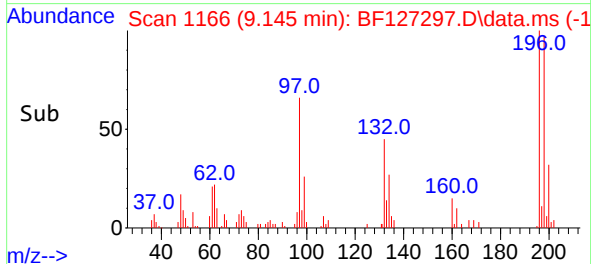
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



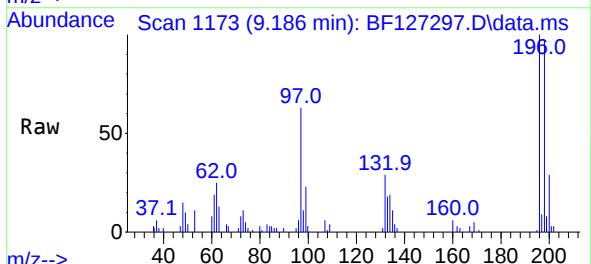
Tgt Ion:196 Resp: 1428
Ion Ratio Lower Upper
196 100
198 96.6 78.5 117.7
200 32.3 24.9 37.3

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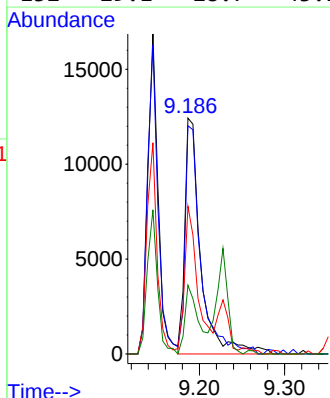
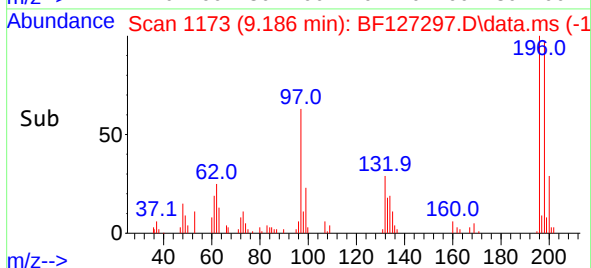
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

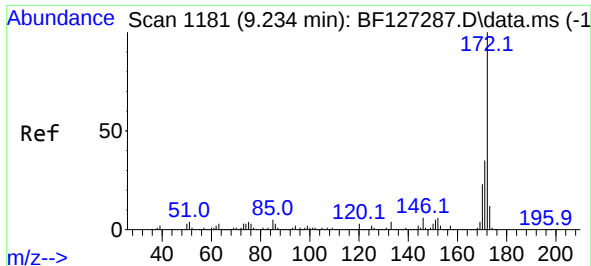


#44
2,4,5-Trichlorophenol
Concen: 3.557 ng
RT: 9.186 min Scan# 1173
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50



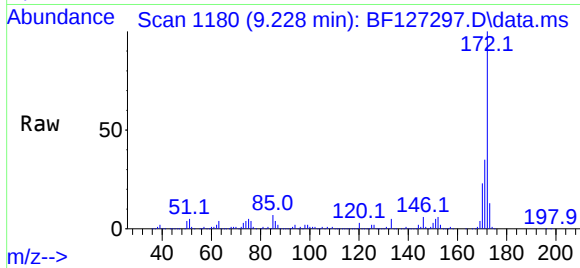
Tgt Ion:196 Resp: 16170
Ion Ratio Lower Upper
196 100
198 96.7 82.0 123.0
97 62.6 53.5 80.3
132 29.1 28.7 43.1





#45
2-Fluorobiphenyl
Concen: 73.936 ng
RT: 9.228 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

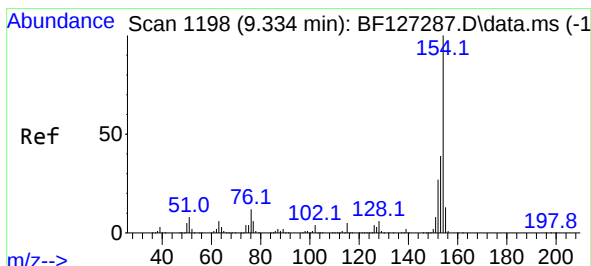
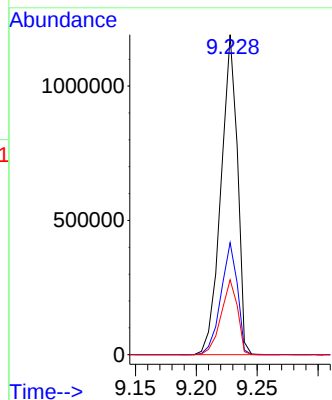
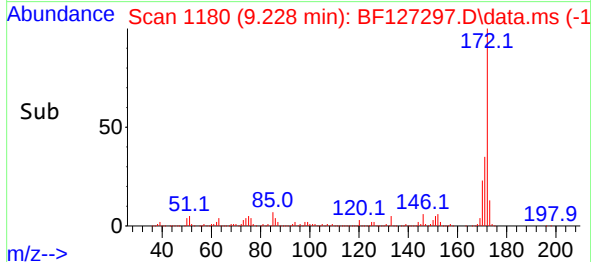
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



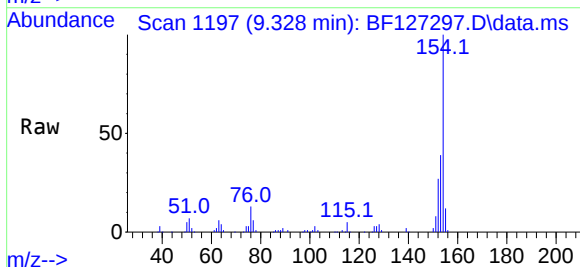
Tgt Ion:172 Resp: 1121048
Ion Ratio Lower Upper
172 100
171 35.0 28.3 42.5
170 23.4 19.0 28.6

Manual Integrations
APPROVED

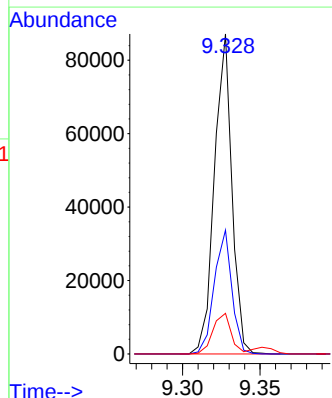
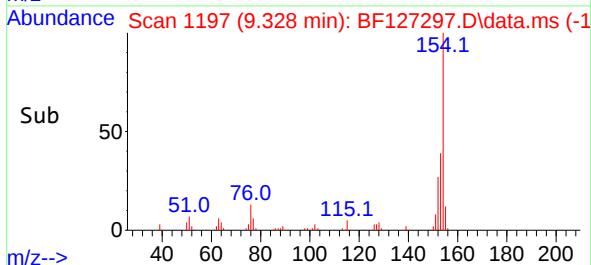
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

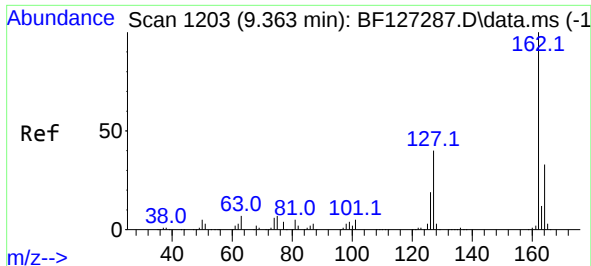


#46
1,1'-Biphenyl
Concen: 4.223 ng
RT: 9.328 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50



Tgt Ion:154 Resp: 68324
Ion Ratio Lower Upper
154 100
153 38.7 19.0 59.0
76 12.7 0.0 34.5





#47

2-Chloronaphthalene

Concen: 4.033 ng

RT: 9.351 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF127297.D

Acq: 11 Mar 2022 11:50

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022

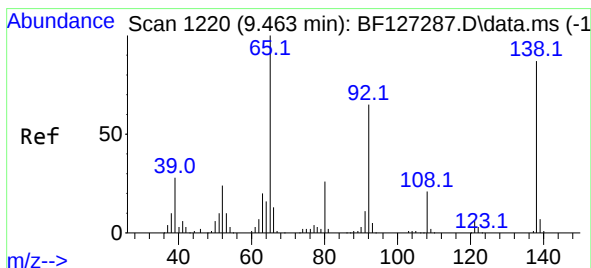
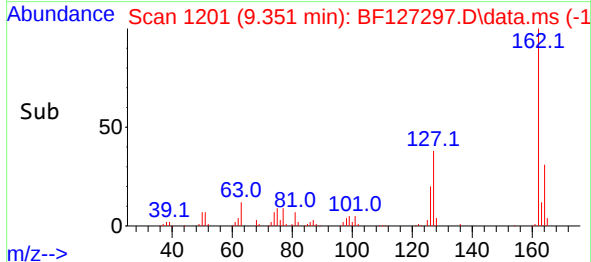
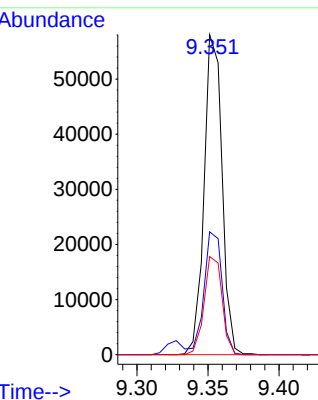
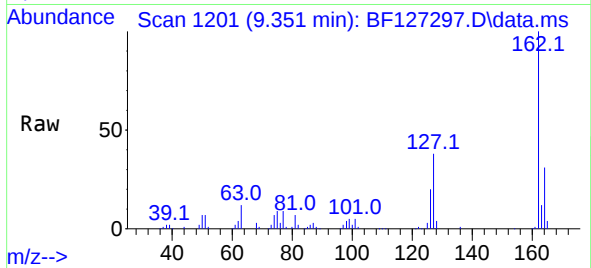
Tgt Ion:162	Resp:	5079
Ion Ratio	Lower	Upper
162	100	
127	38.4	33.5 50.3
164	30.7	26.2 39.4

Manual Integrations

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Reviewed By :Christian Giraldo 03/14/2022

Supervised By :Jagrut Upadhyay 03/14/2022



#48

2-Nitroaniline

Concen: 3.542 ng

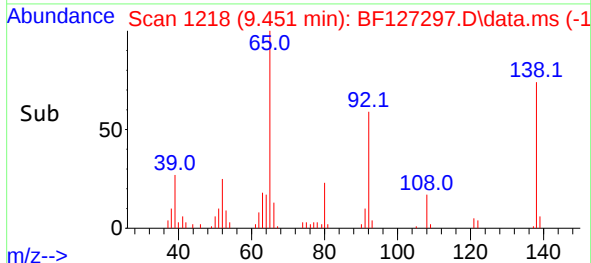
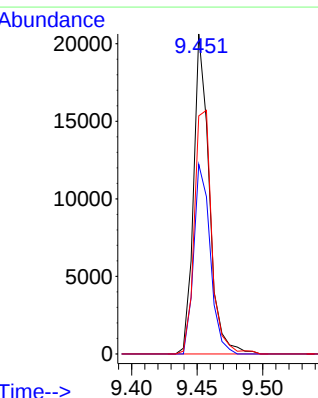
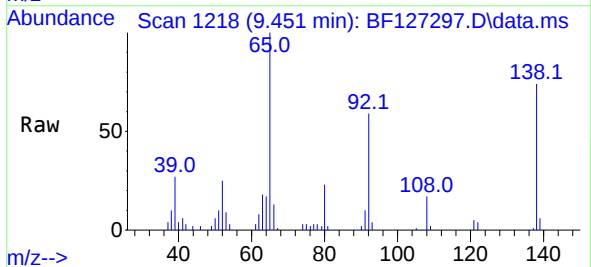
RT: 9.451 min Scan# 1218

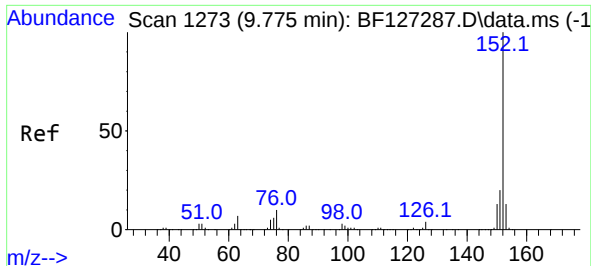
Delta R.T. -0.012 min

Lab File: BF127297.D

Acq: 11 Mar 2022 11:50

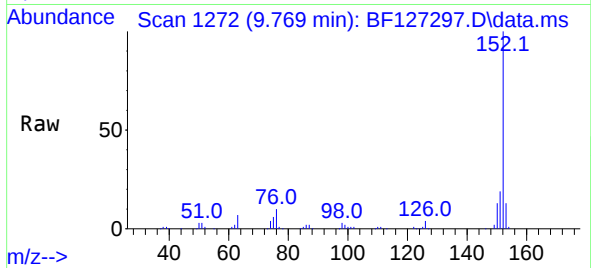
Tgt Ion: 65	Resp:	17163
Ion Ratio	Lower	Upper
65	100	
92	59.2	54.4 81.6
138	74.4	72.5 108.7





#49
Acenaphthylene
Concen: 4.335 ng
RT: 9.769 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

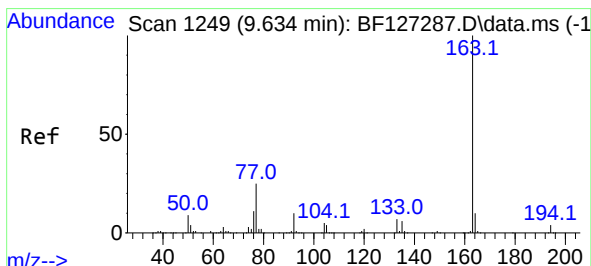
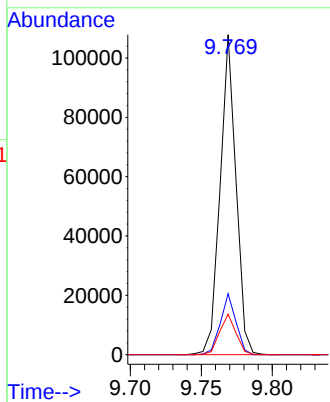
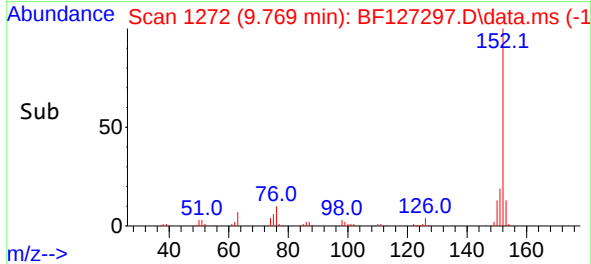
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



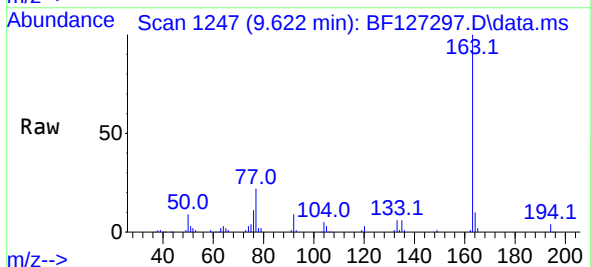
Tgt Ion:152 Resp: 8354
Ion Ratio Lower Upper
152 100
151 19.0 15.7 23.5
153 12.7 11.4 17.0

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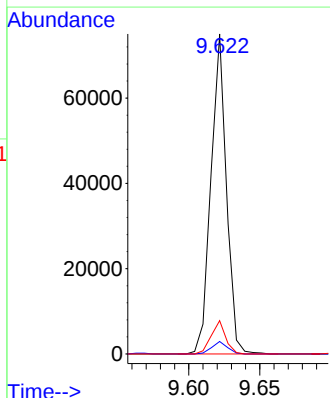
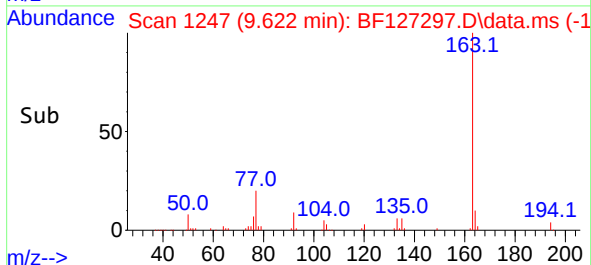
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

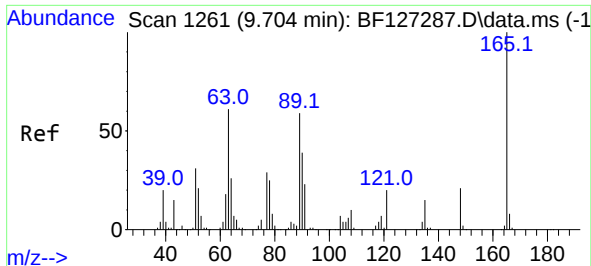


#50
Dimethylphthalate
Concen: 3.697 ng
RT: 9.622 min Scan# 1247
Delta R.T. -0.012 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50



Tgt Ion:163 Resp: 56791
Ion Ratio Lower Upper
163 100
194 3.9 2.6 3.8#
164 10.4 7.8 11.8





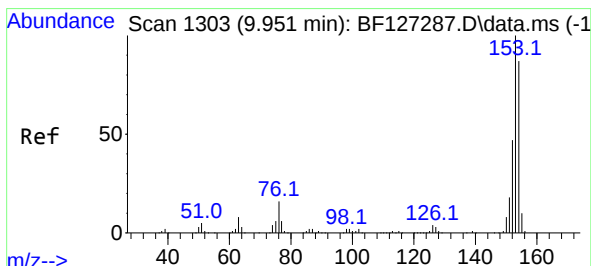
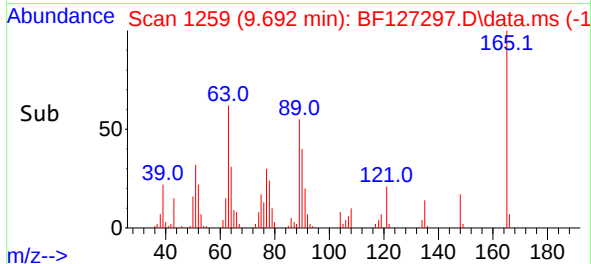
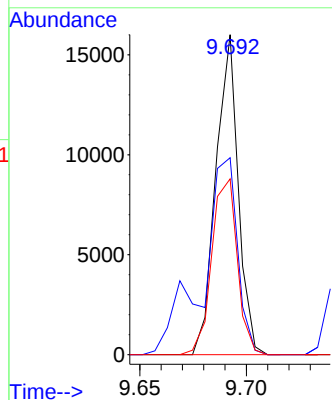
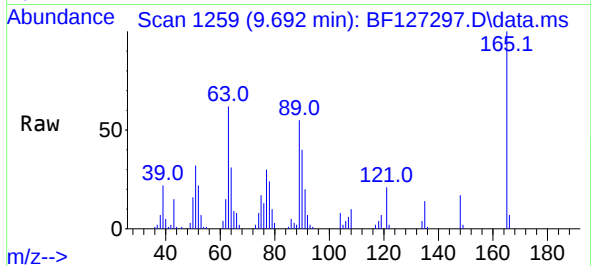
#51
2,6-Dinitrotoluene
Concen: 3.759 ng
RT: 9.692 min Scan# 1168
Delta R.T. -0.012 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:165 Resp: 1168
Ion Ratio Lower Upper
165 100
63 61.6 48.4 72.6
89 55.0 50.5 75.7

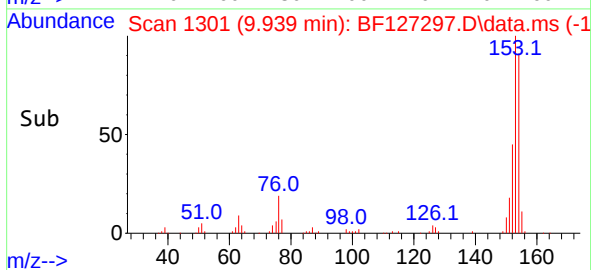
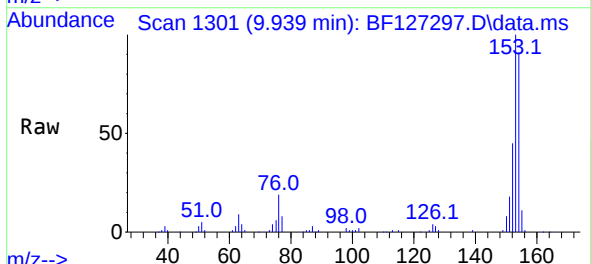
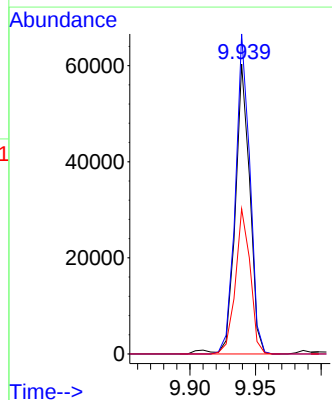
Manual Integrations
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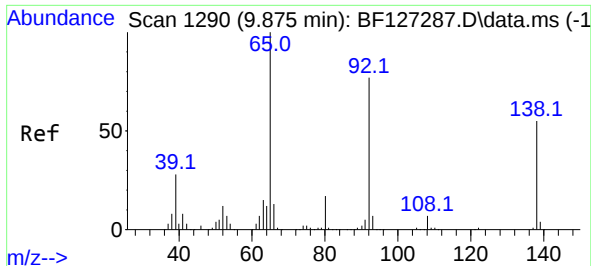
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#52
Acenaphthene
Concen: 4.050 ng
RT: 9.939 min Scan# 1301
Delta R.T. -0.012 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

Tgt Ion:154 Resp: 46529
Ion Ratio Lower Upper
154 100
153 110.4 87.8 131.6
152 50.0 39.4 59.2





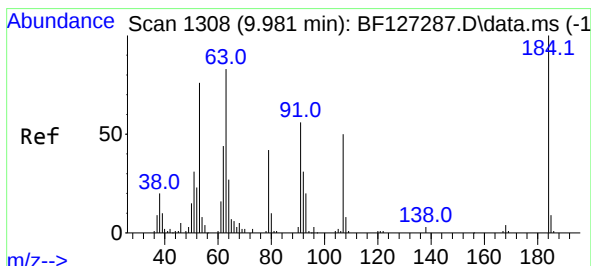
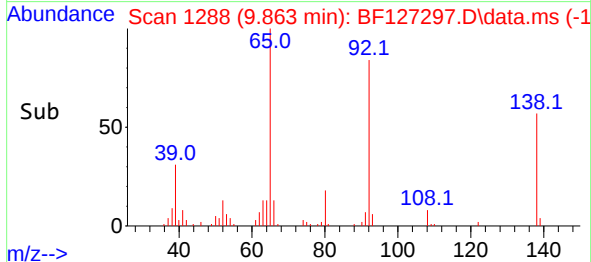
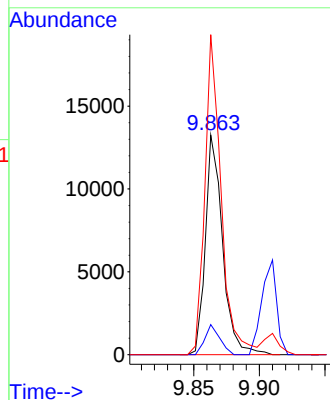
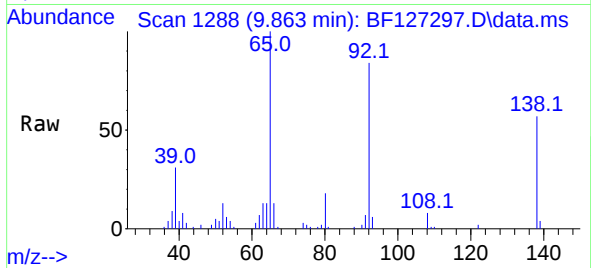
#53
3-Nitroaniline
Concen: 3.580 ng
RT: 9.863 min Scan# 1309
Delta R.T. -0.012 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:138 Resp: 1212
Ion Ratio Lower Upper
138 100
108 13.7 8.6 13.0#
92 145.8 105.0 157.6

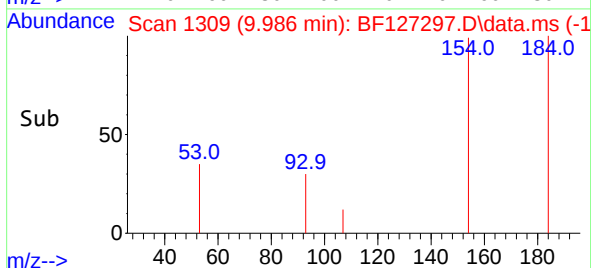
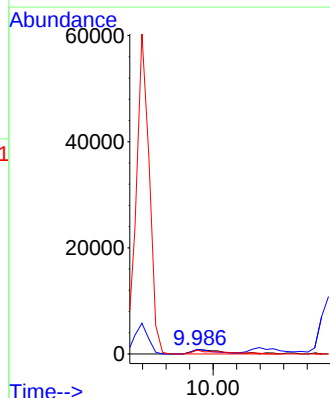
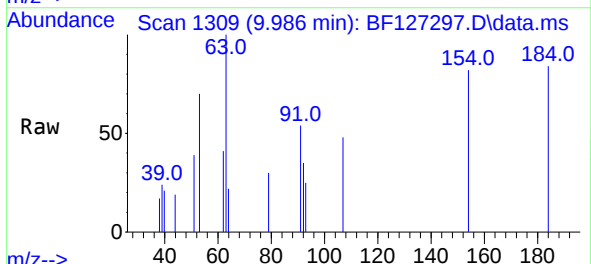
Manual Integrations
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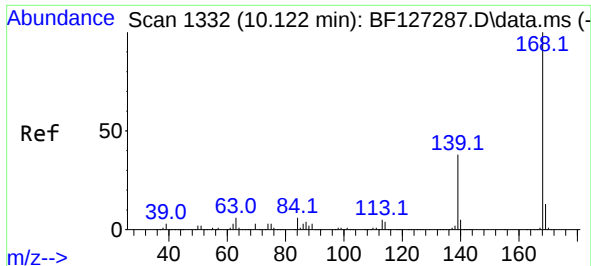
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#54
2,4-Dinitrophenol
Concen: 1.052 ng m
RT: 9.986 min Scan# 1309
Delta R.T. 0.005 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

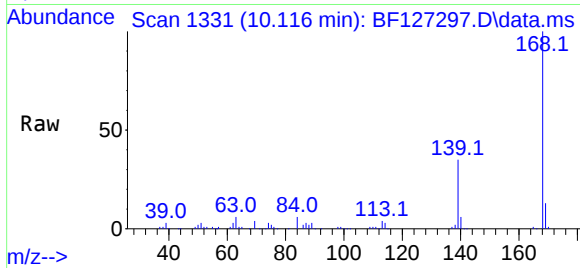
Tgt Ion:184 Resp: 1611
Ion Ratio Lower Upper
184 100
63 119.5 70.4 105.6#
154 98.5 49.7 74.5#





#55
Dibenzofuran
Concen: 3.894 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

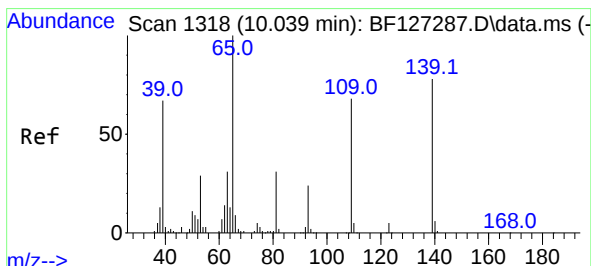
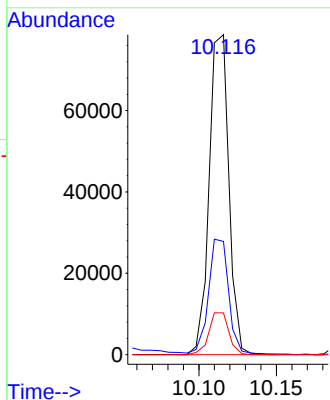
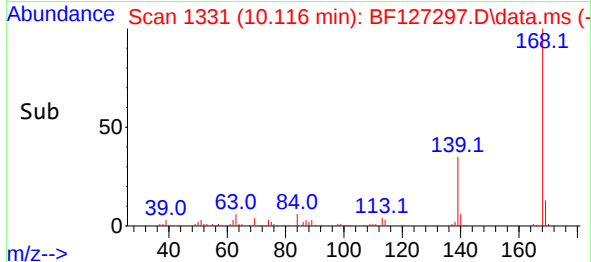
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



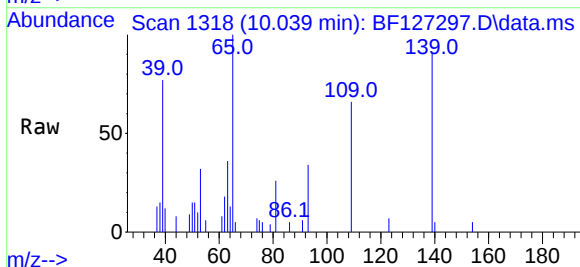
Tgt Ion:168 Resp: 69502
Ion Ratio Lower Upper
168 100
139 35.4 30.6 46.0
169 13.1 10.0 15.0

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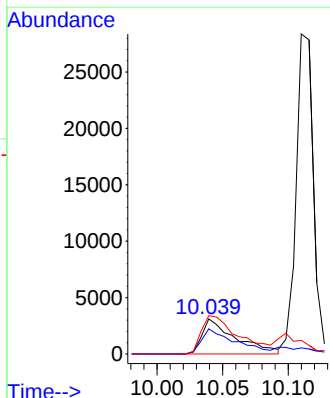
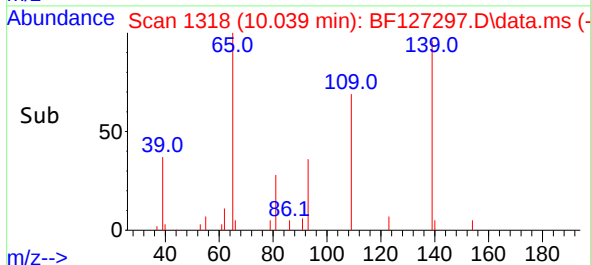
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

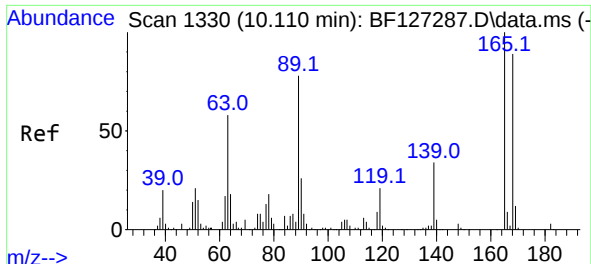


#56
4-Nitrophenol
Concen: 2.685 ng
RT: 10.039 min Scan# 1318
Delta R.T. -0.000 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50



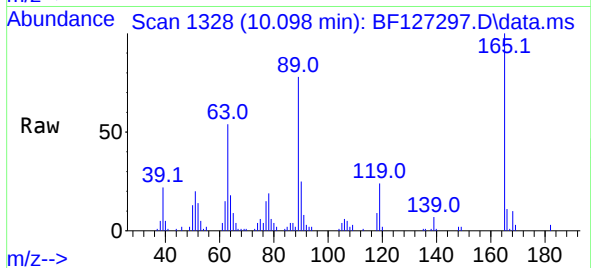
Tgt Ion:139 Resp: 5526
Ion Ratio Lower Upper
139 100
109 72.0 44.1 84.1
65 109.6 85.5 125.5





#57
2,4-Dinitrotoluene
Concen: 3.848 ng
RT: 10.098 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

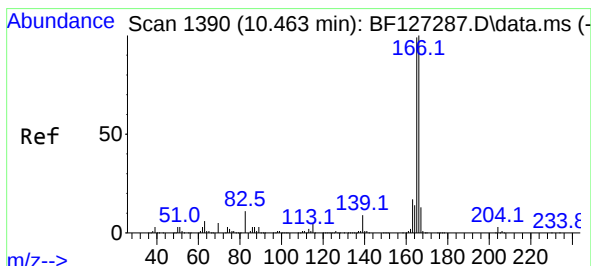
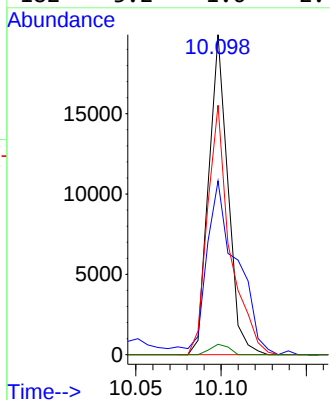
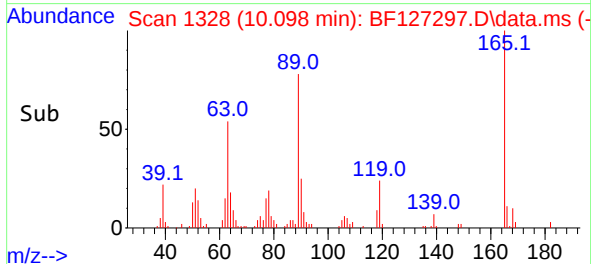
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



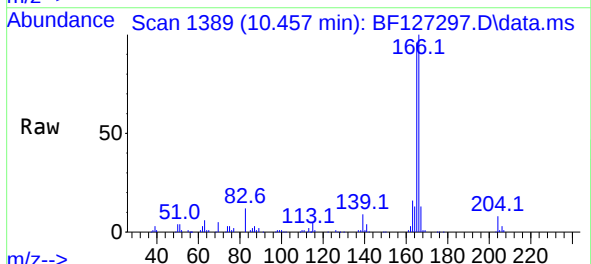
Tgt Ion:165 Resp: 15732
Ion Ratio Lower Upper
165 100
63 54.3 43.0 64.6
89 78.0 71.0 106.4
182 3.2 1.6 2.4#

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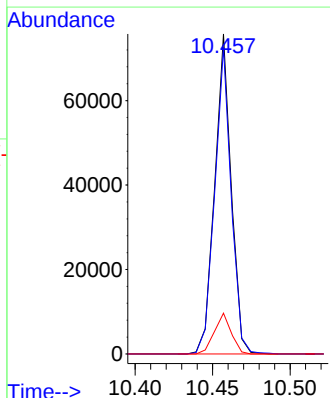
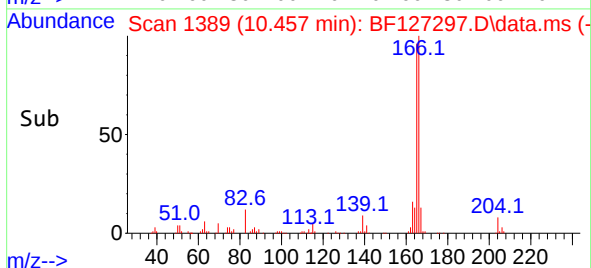
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

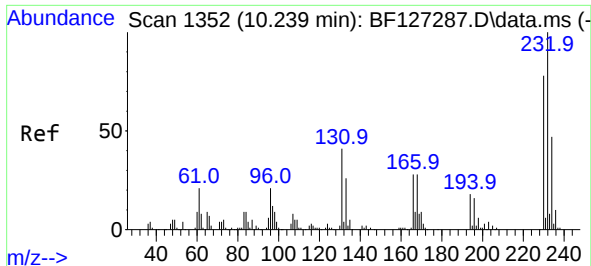


#58
Fluorene
Concen: 4.046 ng
RT: 10.457 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50



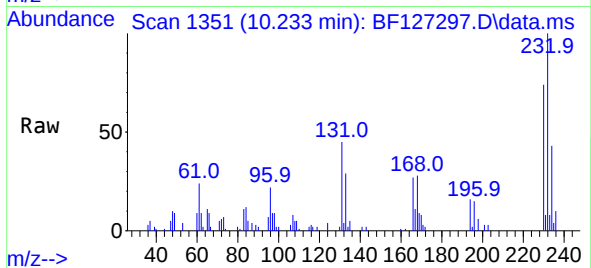
Tgt Ion:166 Resp: 56001
Ion Ratio Lower Upper
166 100
165 95.9 77.7 116.5
167 12.7 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 2.765 ng
RT: 10.233 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

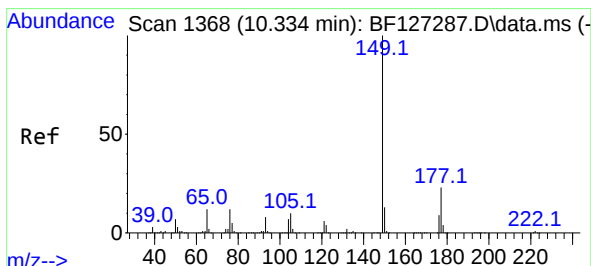
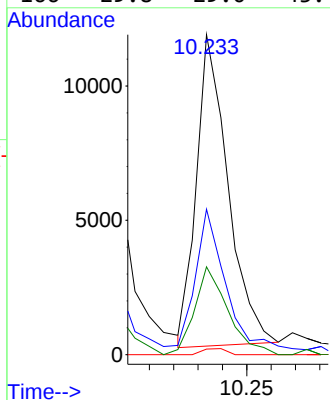
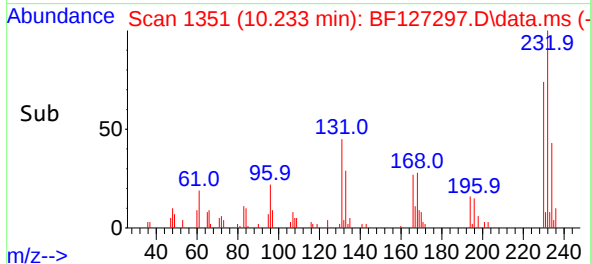
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



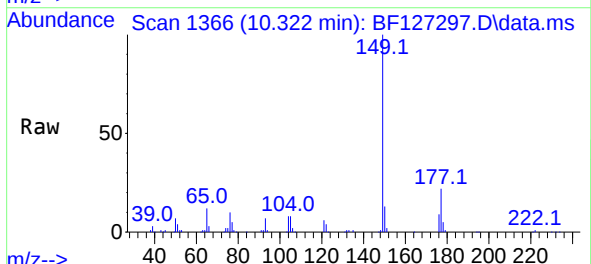
Tgt Ion:232 Resp: 10444
Ion Ratio Lower Upper
232 100
131 50.8 50.0 75.0
130 1.5 2.2 3.2
166 29.8 29.0 43.4

Manual Integrations
APPROVED

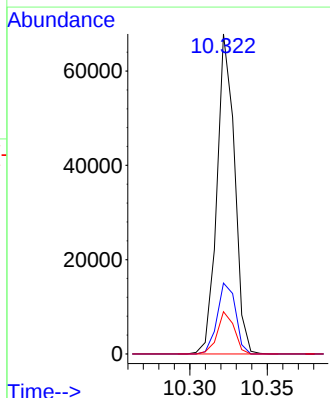
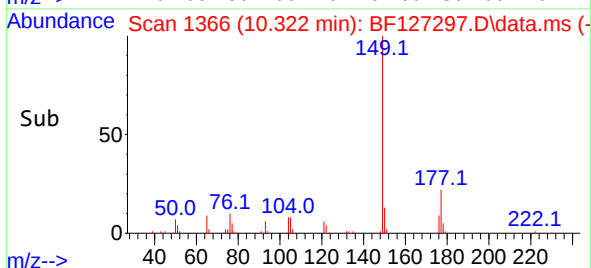
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

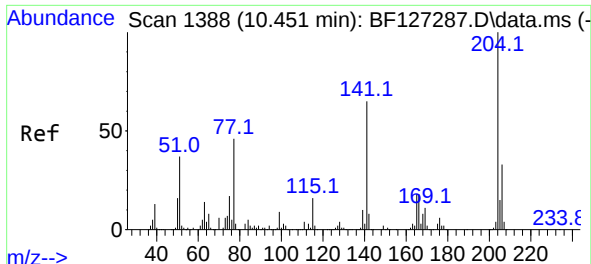


#60
Diethylphthalate
Concen: 3.829 ng
RT: 10.322 min Scan# 1366
Delta R.T. -0.012 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50



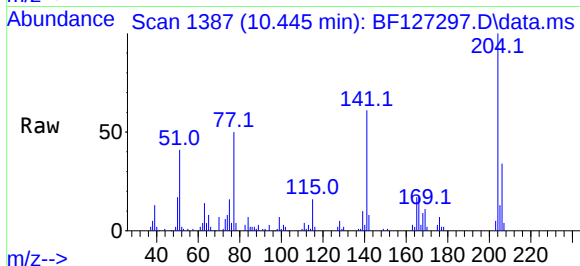
Tgt Ion:149 Resp: 53649
Ion Ratio Lower Upper
149 100
177 22.1 16.7 25.1
150 13.2 9.8 14.8





#61
4-Chlorophenyl-phenylether
Concen: 3.807 ng
RT: 10.445 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

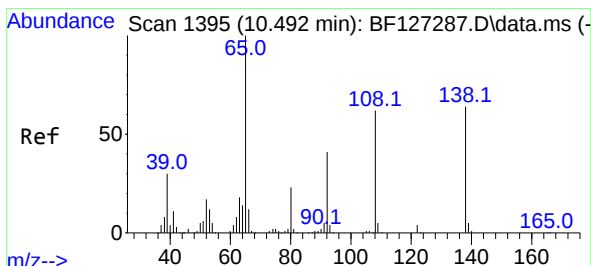
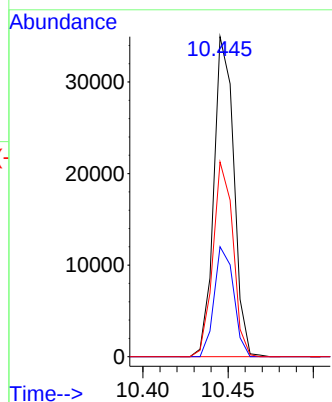
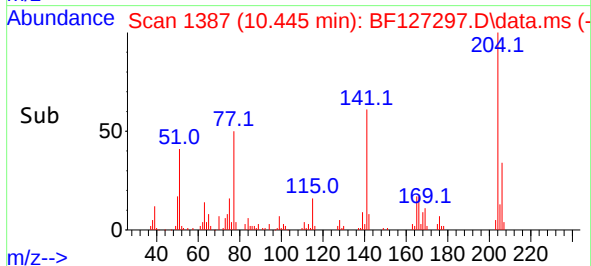
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



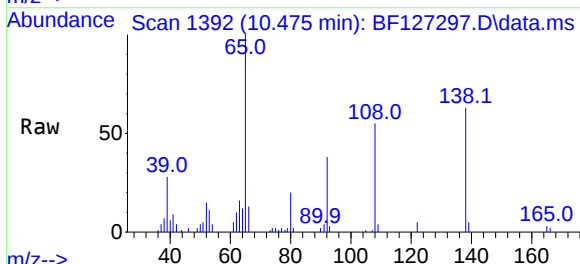
Tgt Ion:204 Resp: 2855
Ion Ratio Lower Upper
204 100
206 34.3 26.3 39.5
141 60.9 59.0 88.6

Manual Integrations
APPROVED

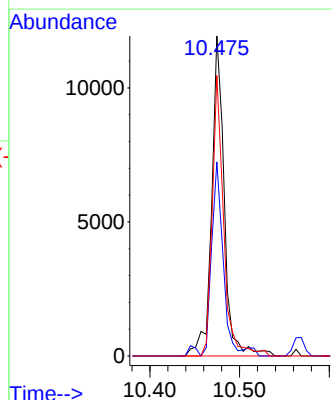
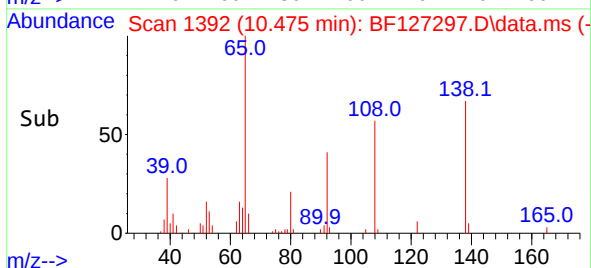
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

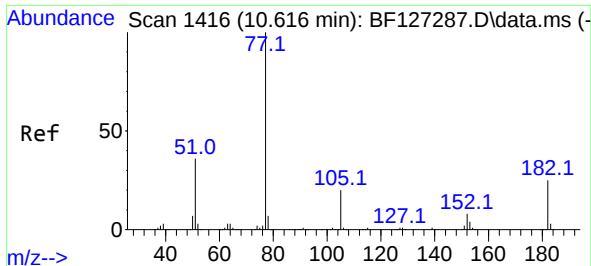


#62
4-Nitroaniline
Concen: 3.456 ng
RT: 10.475 min Scan# 1392
Delta R.T. -0.018 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50



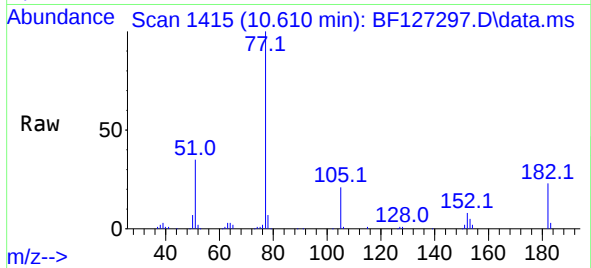
Tgt Ion:138 Resp: 11661
Ion Ratio Lower Upper
138 100
92 60.7 36.2 76.2
108 87.7 46.7 86.7#





#63
Azobenzene
Concen: 3.707 ng
RT: 10.610 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

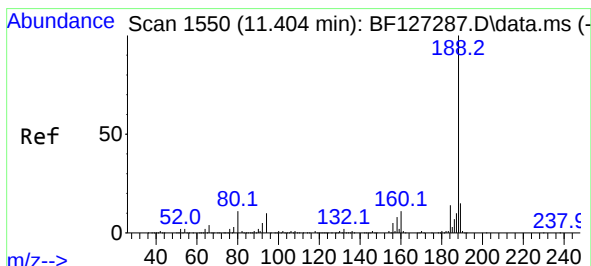
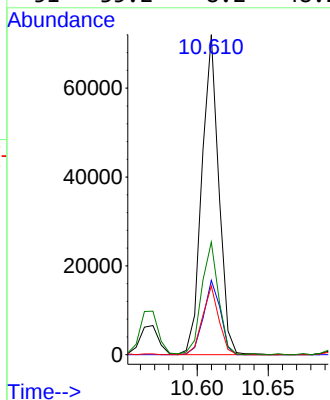
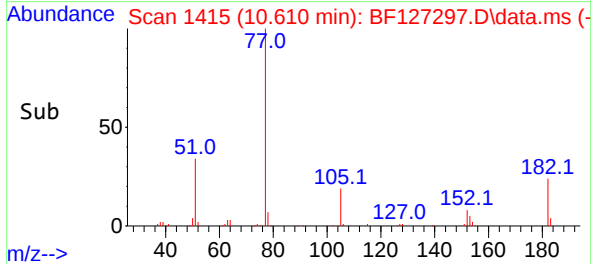
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



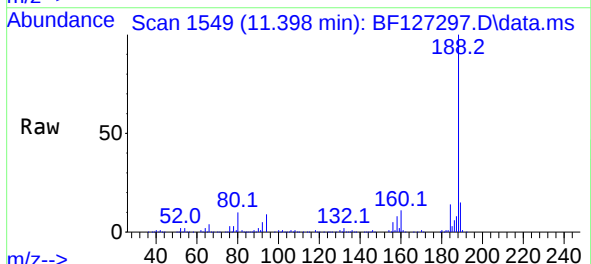
Tgt Ion: 77 Resp: 59704
Ion Ratio Lower Upper
77 100
182 23.2 0.0 39.0
105 21.5 3.2 43.2
51 35.2 8.2 48.2

Manual Integrations
APPROVED

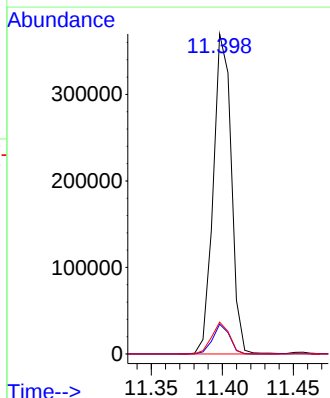
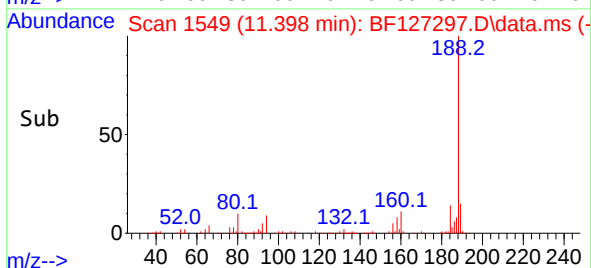
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

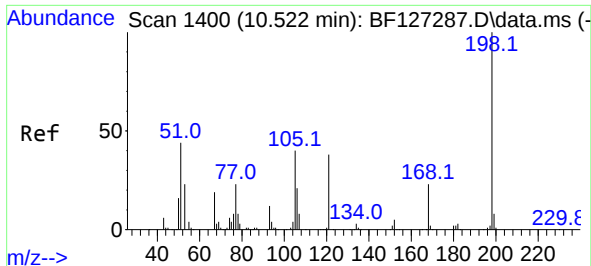


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50



Tgt Ion:188 Resp: 326628
Ion Ratio Lower Upper
188 100
94 9.3 10.1 15.1#
80 9.9 11.8 17.6#





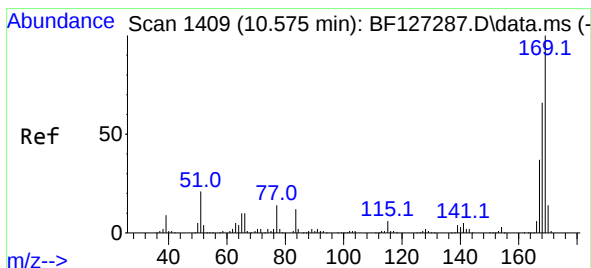
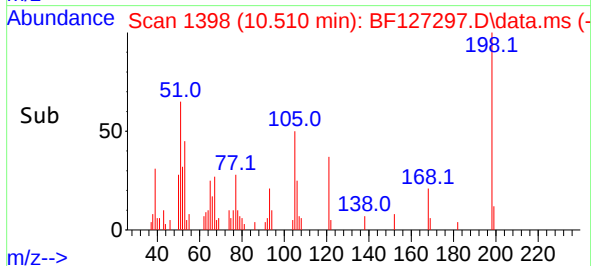
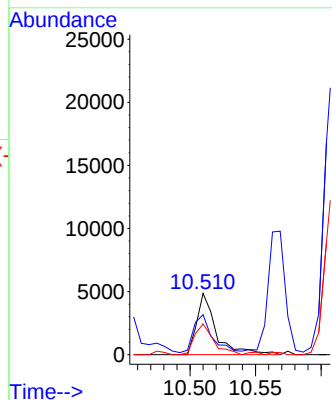
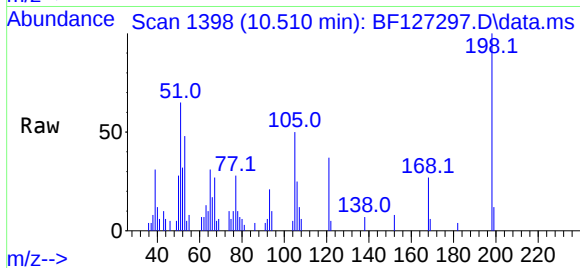
#65
4,6-Dinitro-2-methylphenol
Concen: 2.478 ng
RT: 10.510 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:198 Resp: 499
Ion Ratio Lower Upper
198 100
51 65.4 32.0 72.0
105 50.2 32.7 72.7

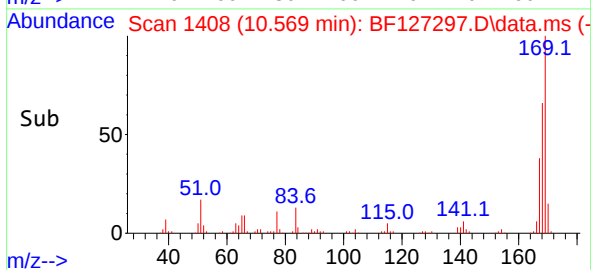
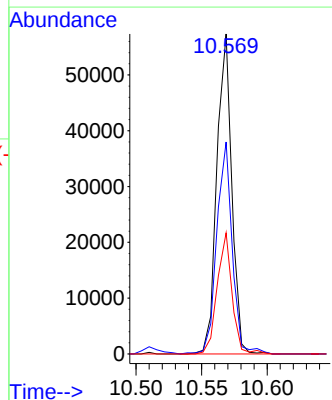
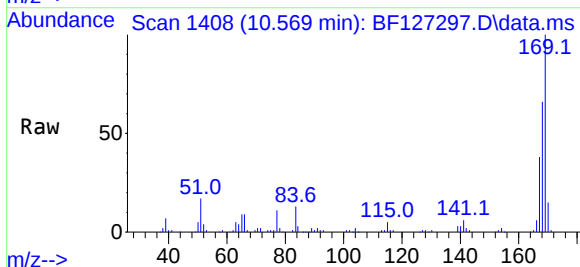
Manual Integrations
APPROVED

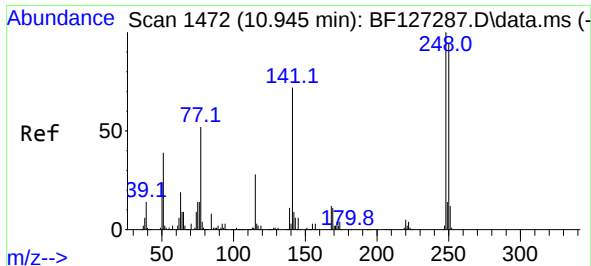
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#66
n-Nitrosodiphenylamine
Concen: 4.473 ng
RT: 10.569 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

Tgt Ion:169 Resp: 45377
Ion Ratio Lower Upper
169 100
168 66.3 53.4 80.0
167 37.9 29.4 44.0





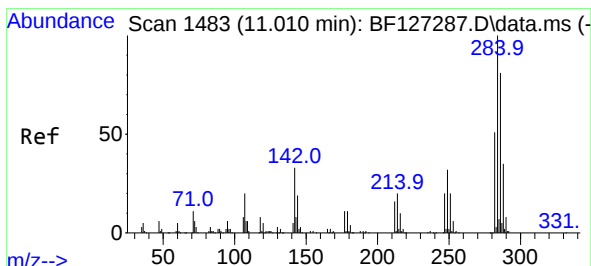
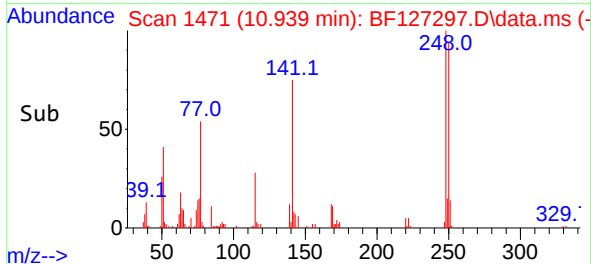
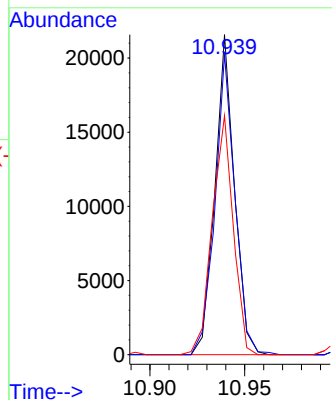
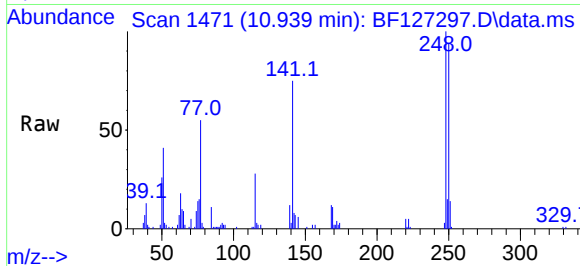
#67
4-Bromophenyl-phenylether
Concen: 3.939 ng
RT: 10.939 min Scan# 1472
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:248 Resp: 1551
Ion Ratio Lower Upper
248 100
250 94.0 76.2 114.4
141 74.7 66.2 99.4

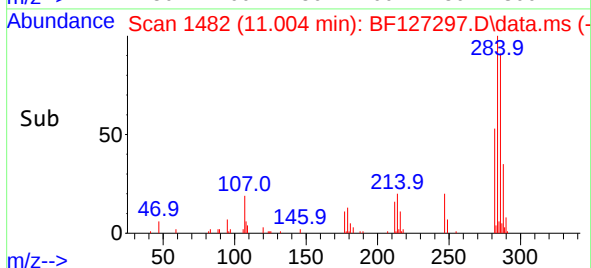
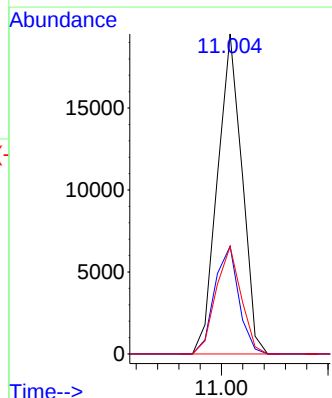
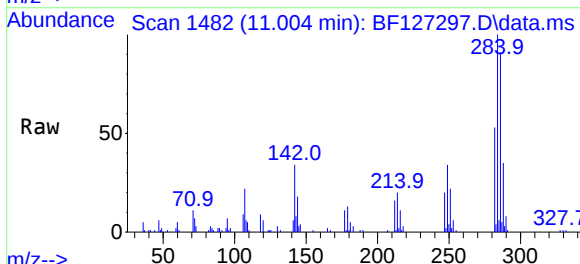
Manual Integrations
APPROVED

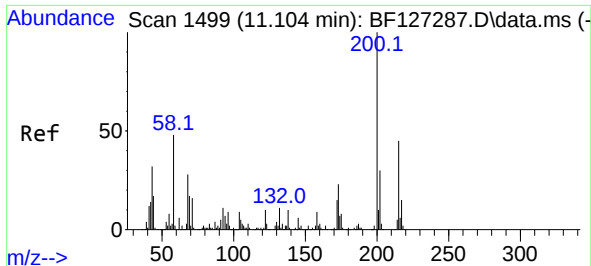
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#68
Hexachlorobenzene
Concen: 3.628 ng
RT: 11.004 min Scan# 1482
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

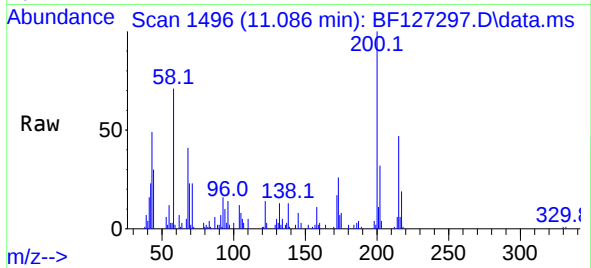
Tgt Ion:284 Resp: 15569
Ion Ratio Lower Upper
284 100
142 33.7 30.7 46.1
249 33.6 21.1 31.7#





#69
Atrazine
Concen: 3.888 ng
RT: 11.086 min Scan# 1499
Delta R.T. -0.018 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

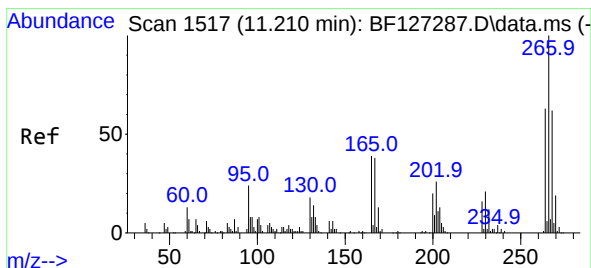
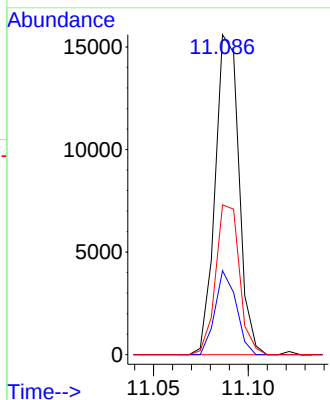
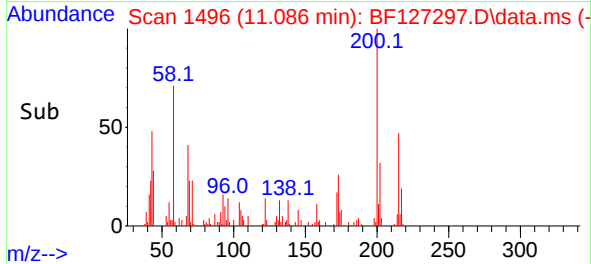
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



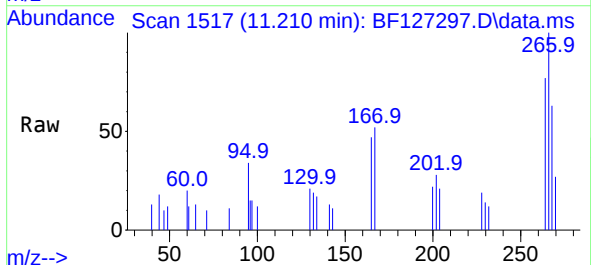
Tgt Ion:200 Resp: 1361
Ion Ratio Lower Upper
200 100
173 26.3 9.2 49.2
215 46.8 23.2 63.2

Manual Integrations
APPROVED

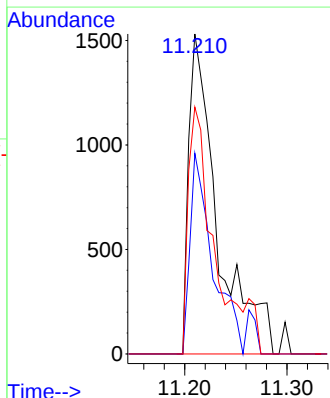
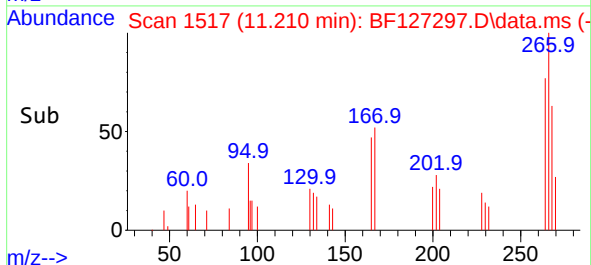
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

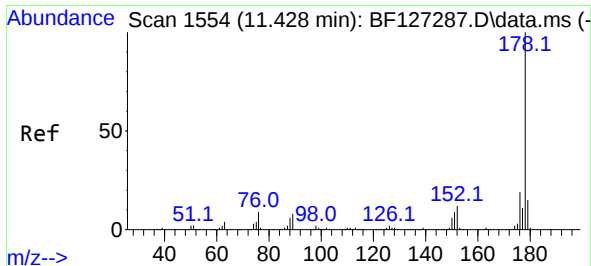


#70
Pentachlorophenol
Concen: 1.730 ng m
RT: 11.210 min Scan# 1517
Delta R.T. -0.000 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50



Tgt Ion:266 Resp: 2998
Ion Ratio Lower Upper
266 100
268 62.7 52.3 78.5
264 77.1 50.4 75.6#





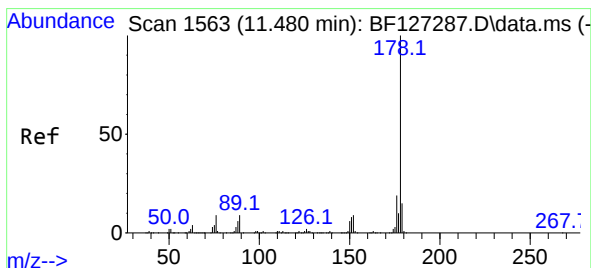
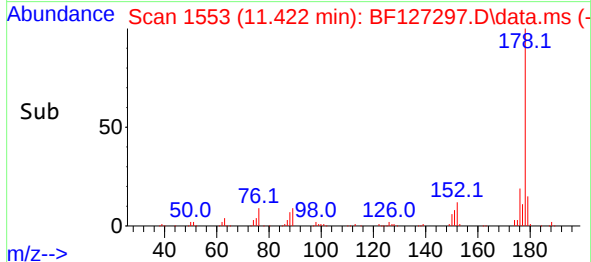
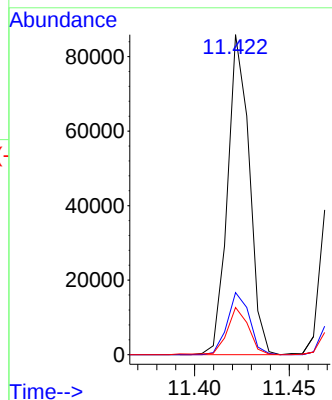
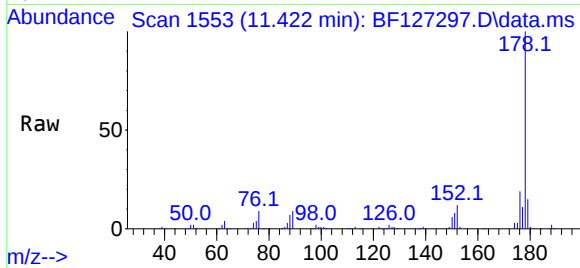
#71
Phenanthrene
Concen: 3.982 ng
RT: 11.422 min Scan# 1554
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:178 Resp: 6865
Ion Ratio Lower Upper
178 100
176 19.4 15.7 23.5
179 14.8 12.3 18.5

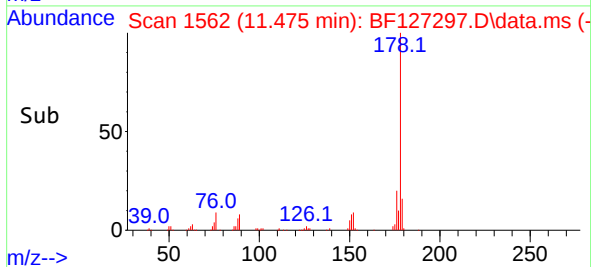
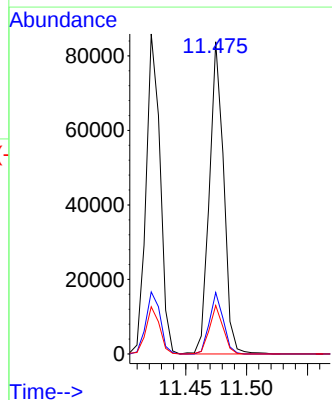
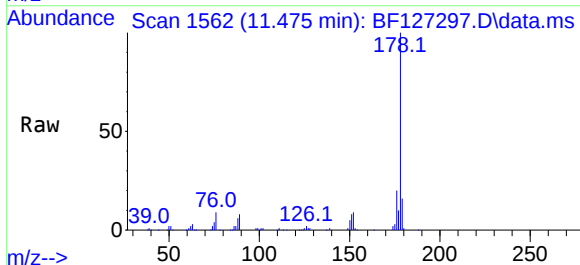
Manual Integrations
APPROVED

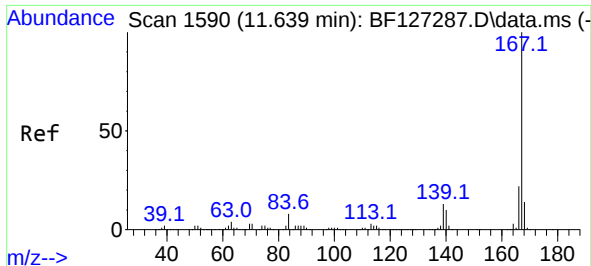
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#72
Anthracene
Concen: 4.002 ng
RT: 11.475 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

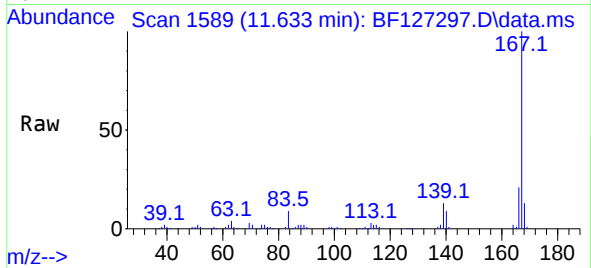
Tgt Ion:178 Resp: 68333
Ion Ratio Lower Upper
178 100
176 19.7 15.0 22.6
179 15.5 12.5 18.7





#73
 Carbazole
 Concen: 3.748 ng
 RT: 11.633 min Scan# 11
 Delta R.T. -0.006 min
 Lab File: BF127297.D
 Acq: 11 Mar 2022 11:50

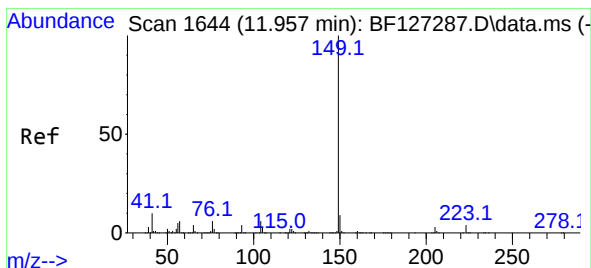
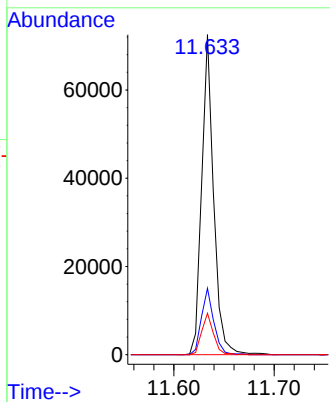
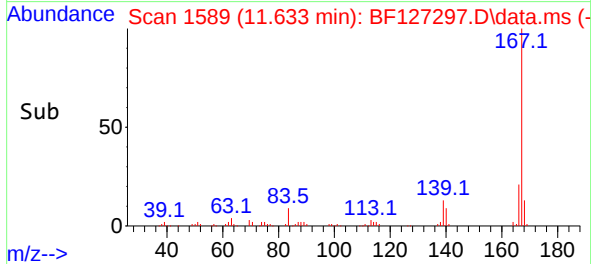
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2022



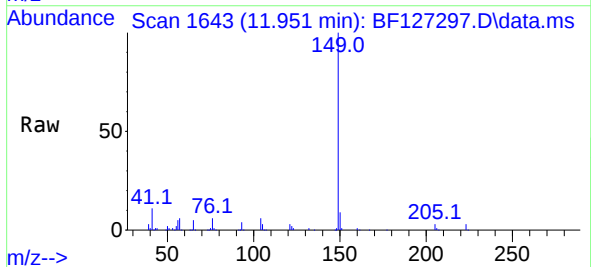
Tgt Ion:167 Resp: 60274
 Ion Ratio Lower Upper
 167 100
 166 20.8 16.9 25.3
 139 13.0 11.3 16.9

Manual Integrations
 APPROVED

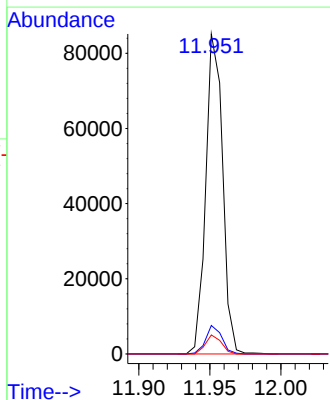
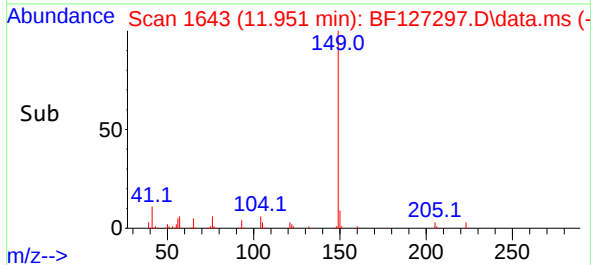
Reviewed By :Christian Giraldo 03/14/2022
 Supervised By :Jagrut Upadhyay 03/14/2022

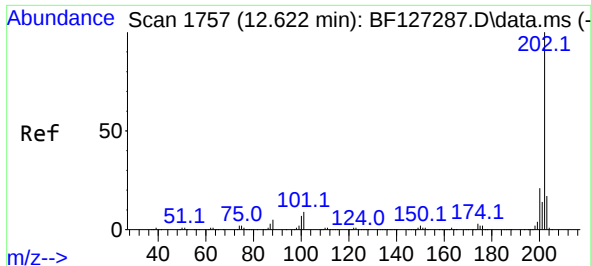


#74
 Di-n-butylphthalate
 Concen: 3.745 ng
 RT: 11.951 min Scan# 1643
 Delta R.T. -0.006 min
 Lab File: BF127297.D
 Acq: 11 Mar 2022 11:50



Tgt Ion:149 Resp: 70440
 Ion Ratio Lower Upper
 149 100
 150 8.9 7.2 10.8
 104 6.0 4.2 6.2





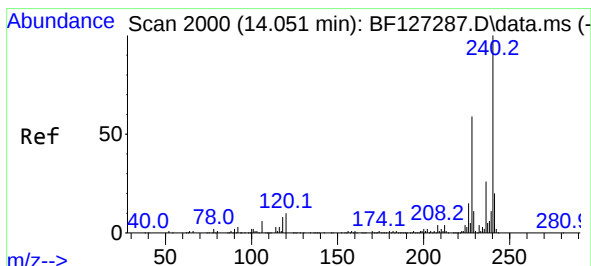
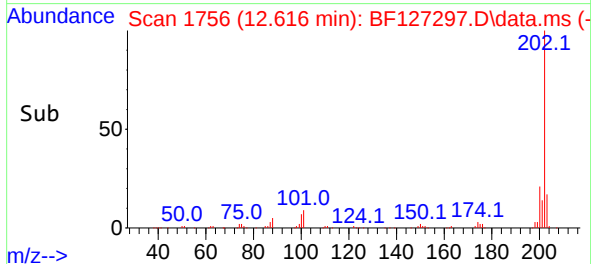
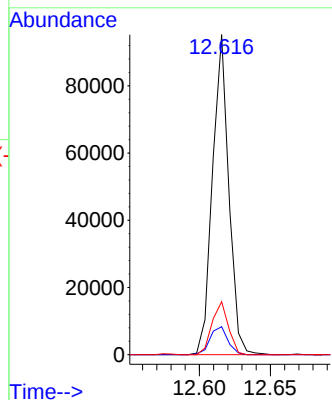
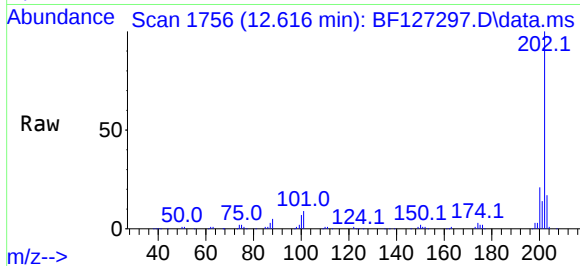
#75
Fluoranthene
Concen: 3.954 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:202 Resp: 76230
Ion Ratio Lower Upper
202 100
101 8.8 0.0 35.7
203 16.6 0.0 37.1

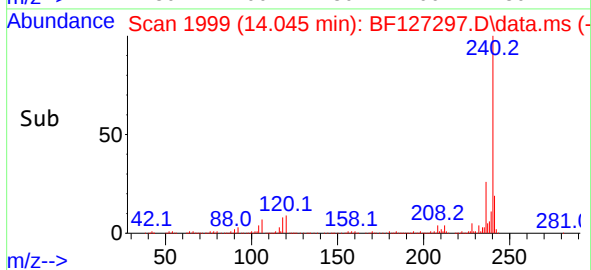
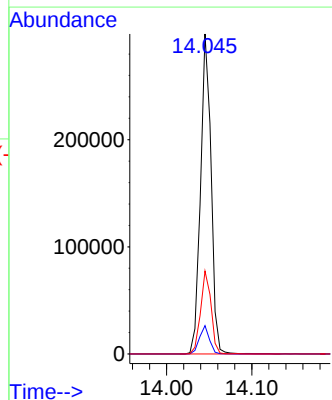
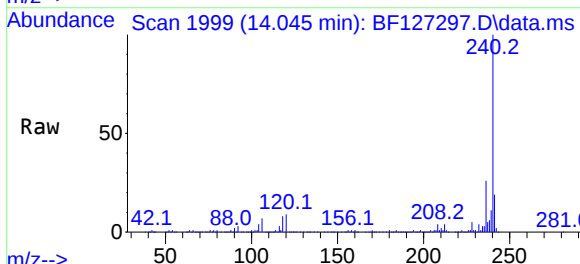
Manual Integrations
APPROVED

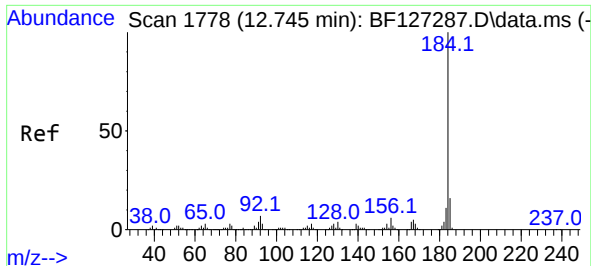
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

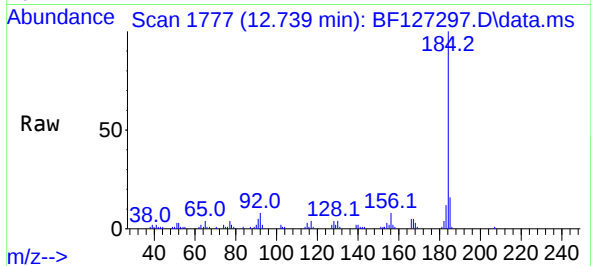
Tgt Ion:240 Resp: 256695
Ion Ratio Lower Upper
240 100
120 8.8 14.4 21.6#
236 25.9 20.5 30.7





#77
Benzidine
Concen: 4.319 ng
RT: 12.739 min Scan# 1777
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

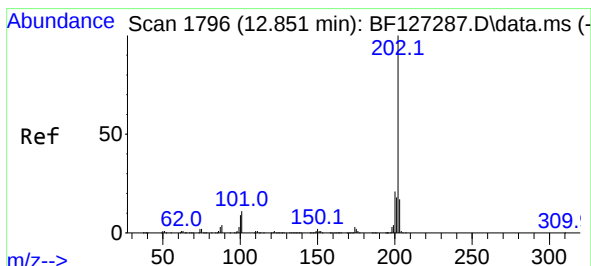
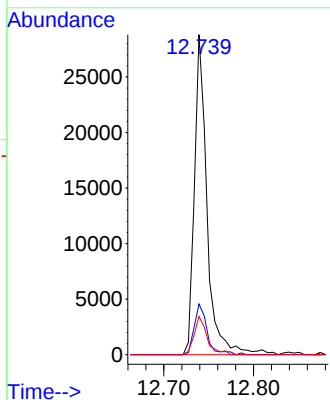
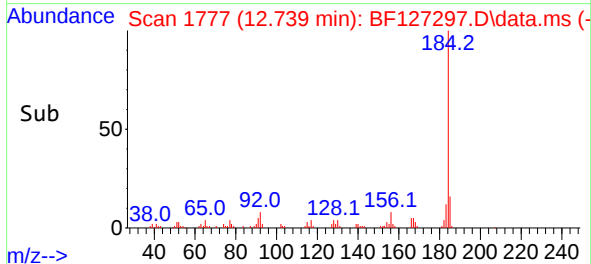
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



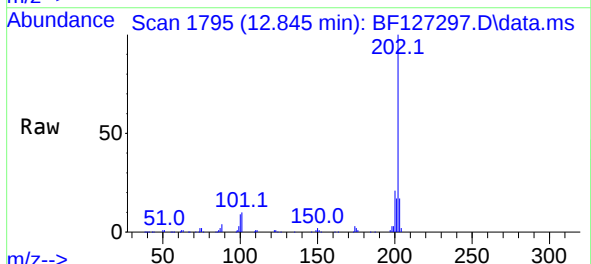
Tgt Ion:184 Resp: 2819
Ion Ratio Lower Upper
184 100
185 15.8 11.8 17.8
183 12.0 8.2 12.2

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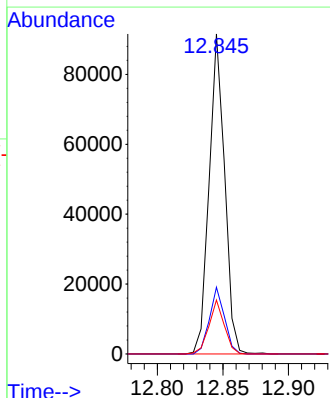
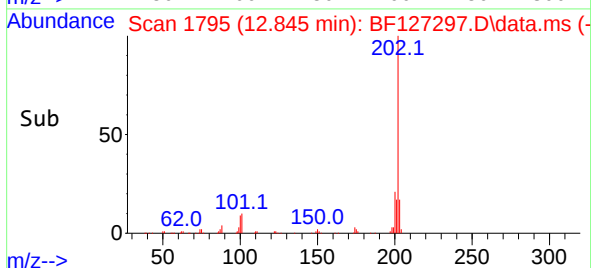
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

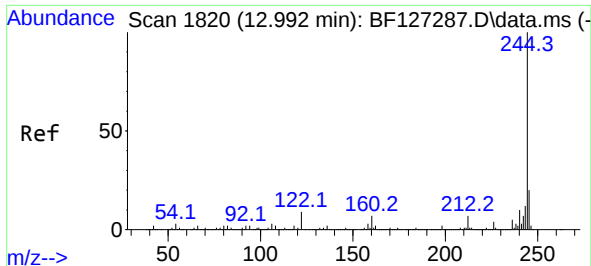


#78
Pyrene
Concen: 3.775 ng
RT: 12.845 min Scan# 1795
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50



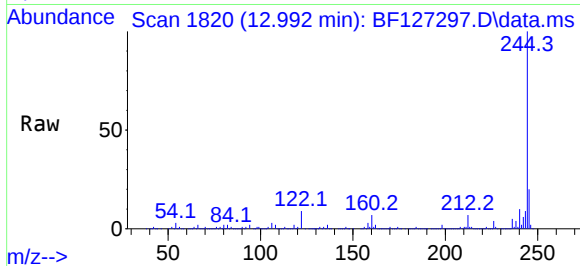
Tgt Ion:202 Resp: 75476
Ion Ratio Lower Upper
202 100
200 20.9 16.6 24.8
203 16.9 13.8 20.8





#79
Terphenyl-d14
Concen: 79.242 ng
RT: 12.992 min Scan# 118128
Delta R.T. -0.000 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

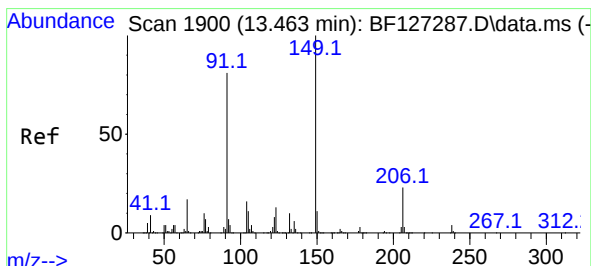
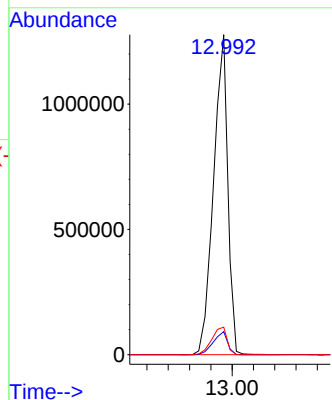
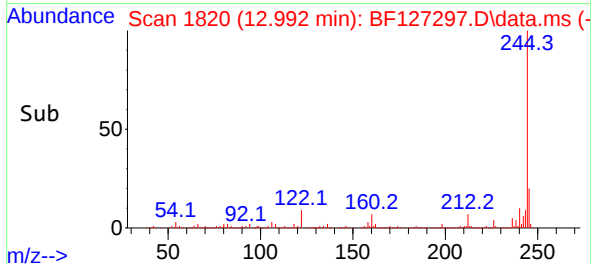
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



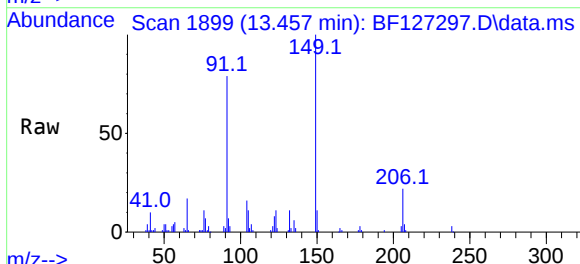
Tgt Ion:244 Resp: 118128
Ion Ratio Lower Upper
244 100
212 7.2 5.0 7.4
122 8.6 13.3 19.9

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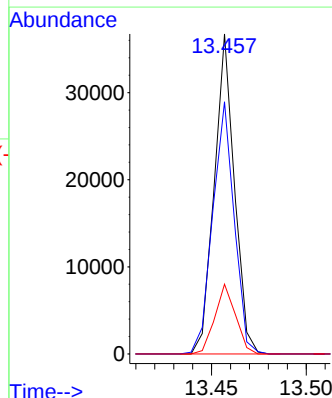
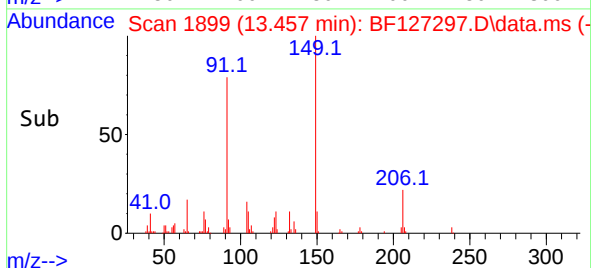
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

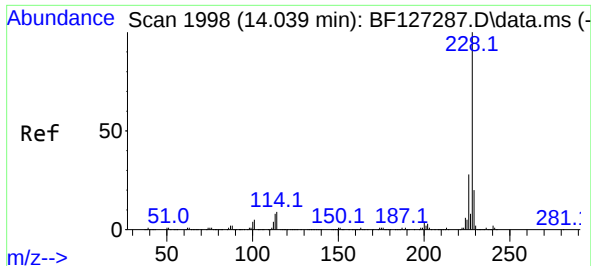


#80
Butylbenzylphthalate
Concen: 3.538 ng
RT: 13.457 min Scan# 1899
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50



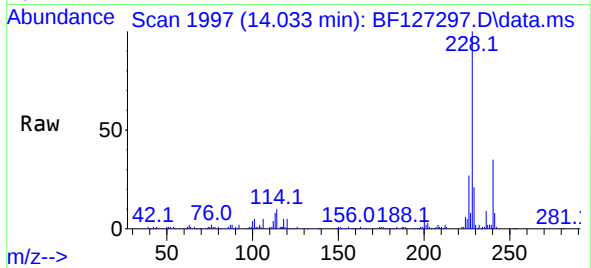
Tgt Ion:149 Resp: 27228
Ion Ratio Lower Upper
149 100
91 78.8 70.5 105.7
206 21.8 12.6 19.0





#81
Benzo(a)anthracene
Concen: 3.678 ng
RT: 14.033 min Scan# 1998
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

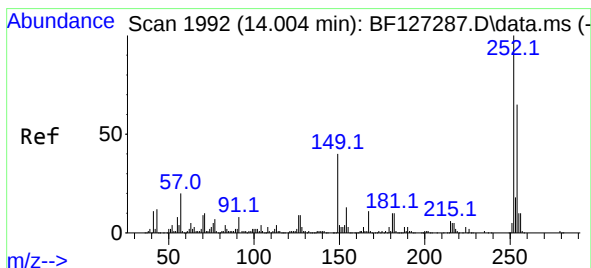
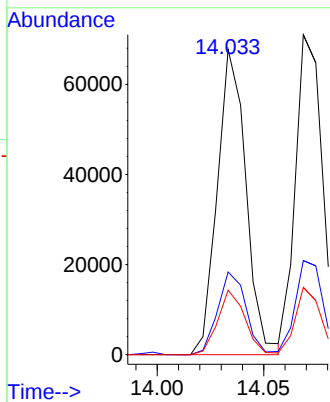
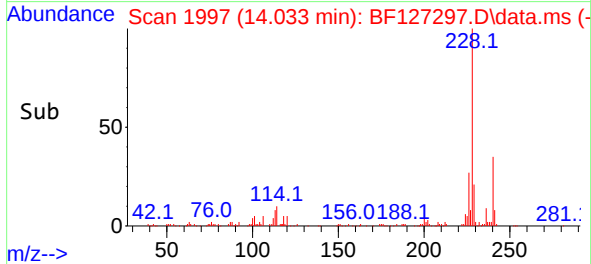
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



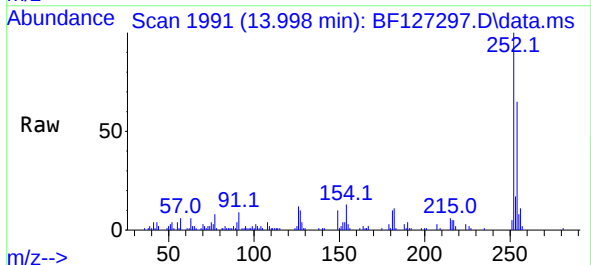
Tgt Ion:228 Resp: 63570
Ion Ratio Lower Upper
228 100
226 27.1 21.4 32.0
229 21.1 15.4 23.2

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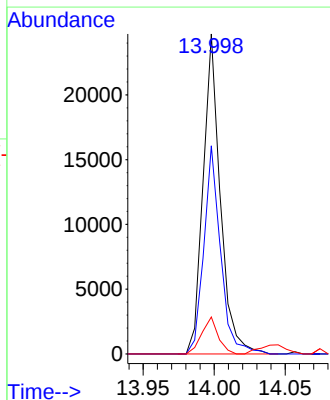
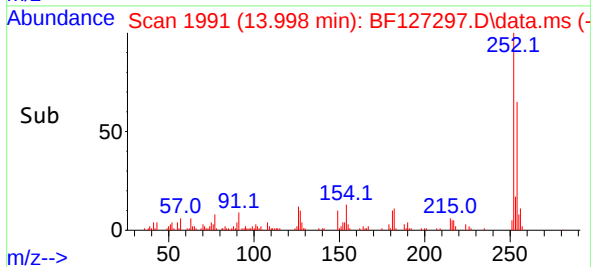
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

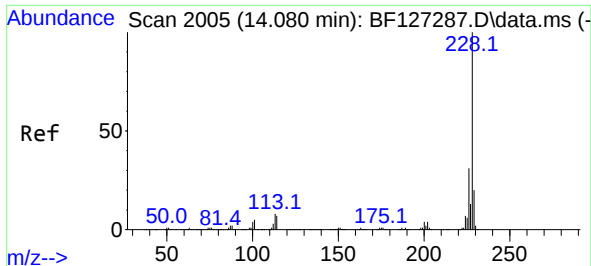


#82
3,3'-Dichlorobenzidine
Concen: 3.885 ng
RT: 13.998 min Scan# 1991
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50



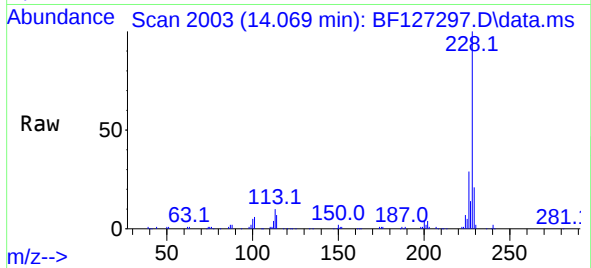
Tgt Ion:252 Resp: 20876
Ion Ratio Lower Upper
252 100
254 65.1 51.0 76.4
126 11.5 13.4 20.0#





#83
Chrysene
Concen: 3.949 ng
RT: 14.069 min Scan# 2005
Delta R.T. -0.012 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

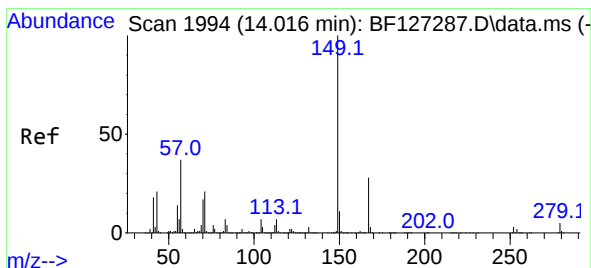
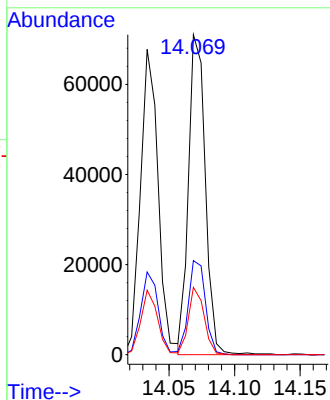
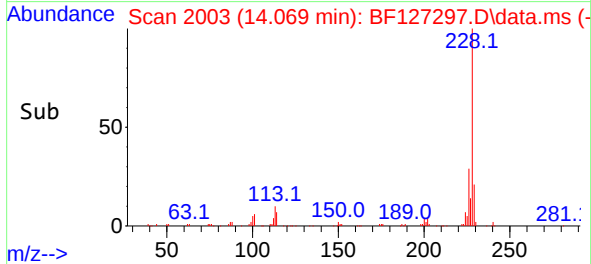
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:228 Resp: 63480
Ion Ratio Lower Upper
228 100
226 29.4 23.7 35.5
229 21.1 15.5 23.3

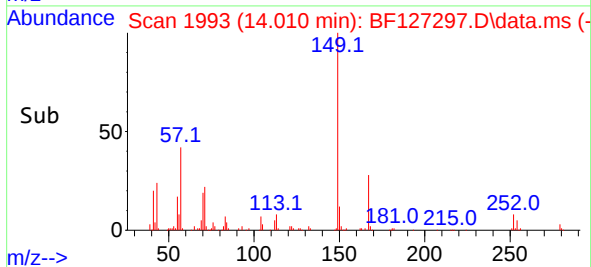
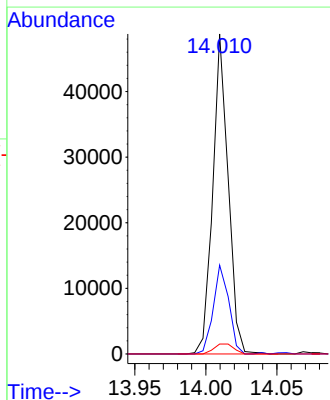
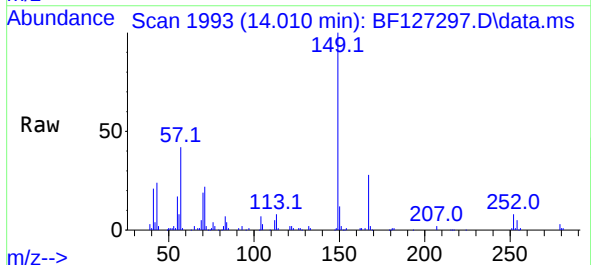
Manual Integrations
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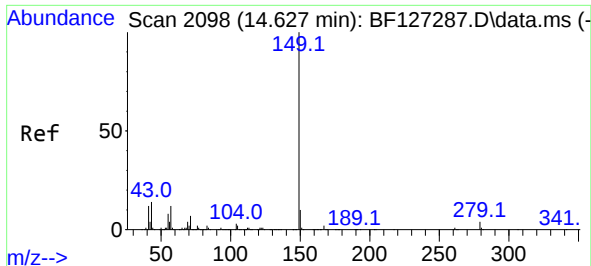
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.543 ng
RT: 14.010 min Scan# 1993
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

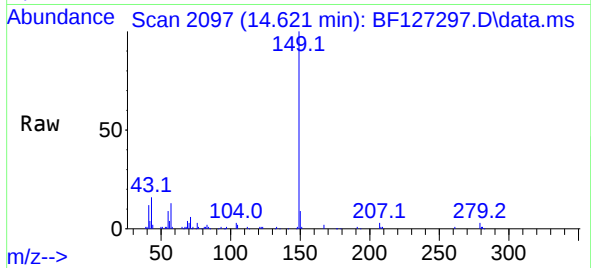
Tgt Ion:149 Resp: 36695
Ion Ratio Lower Upper
149 100
167 27.8 21.4 32.2
279 3.1 2.4 3.6





#85
Di-n-octyl phthalate
Concen: 3.514 ng
RT: 14.621 min Scan# 2098
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

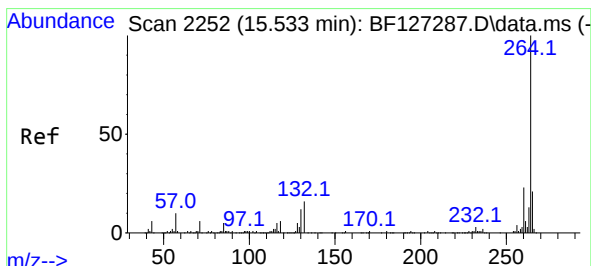
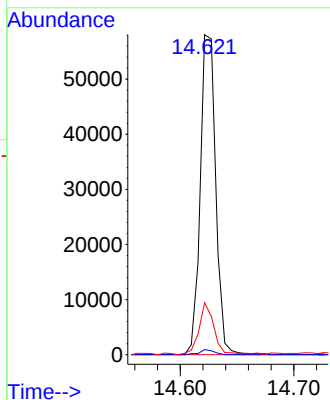
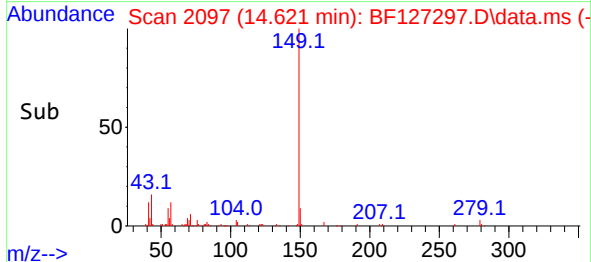
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:149 Resp: 5508
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 16.1 9.9 14.9

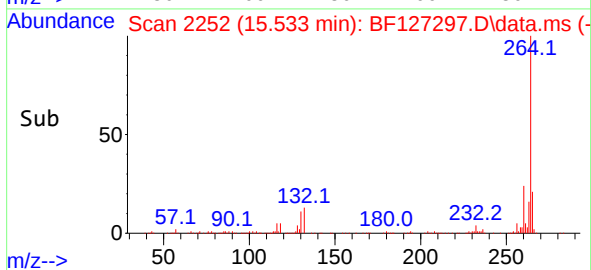
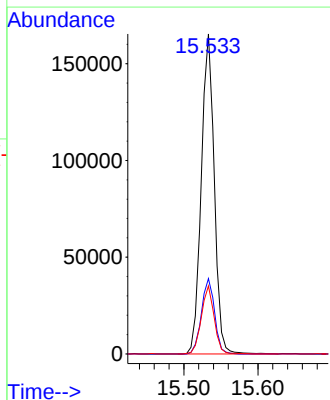
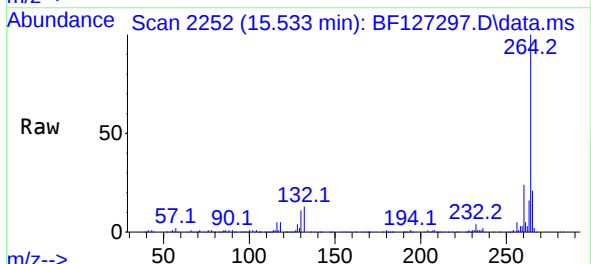
Manual Integrations
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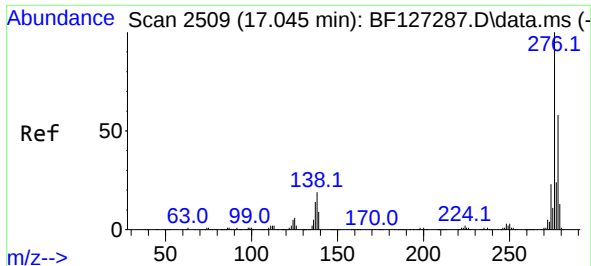
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2252
Delta R.T. -0.000 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

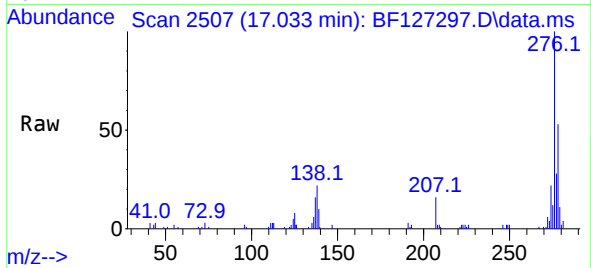
Tgt Ion:264 Resp: 201587
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 21.2 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.050 ng
RT: 17.033 min Scan# 2177
Delta R.T. -0.012 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

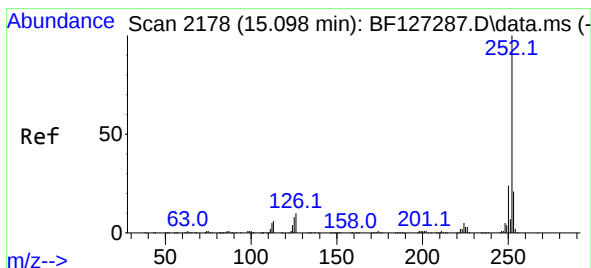
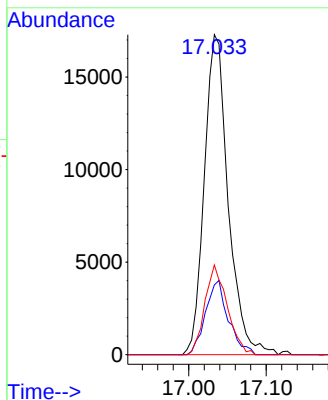
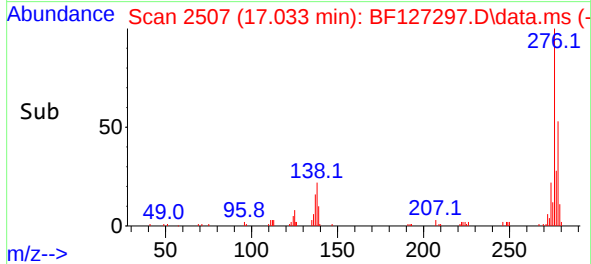
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



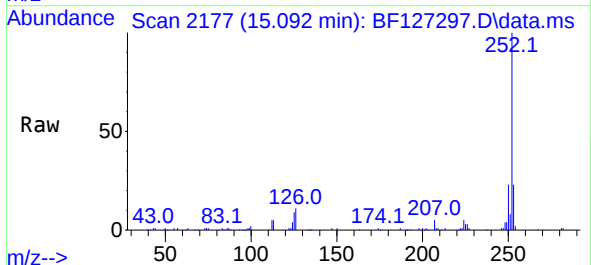
Tgt Ion:276 Resp: 37035
Ion Ratio Lower Upper
276 100
138 22.1 29.2 43.8
277 26.3 19.8 29.8

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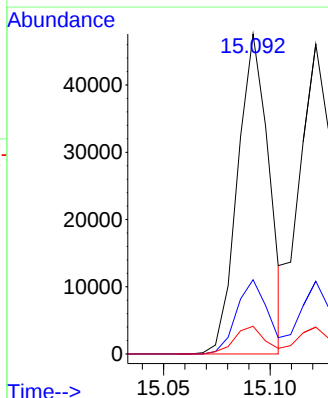
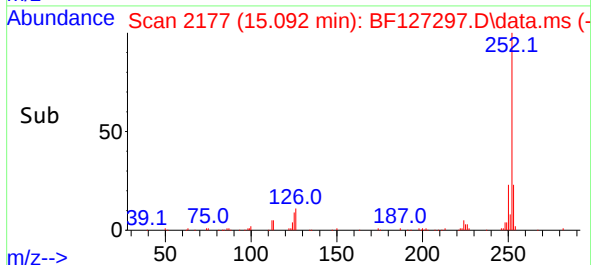
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

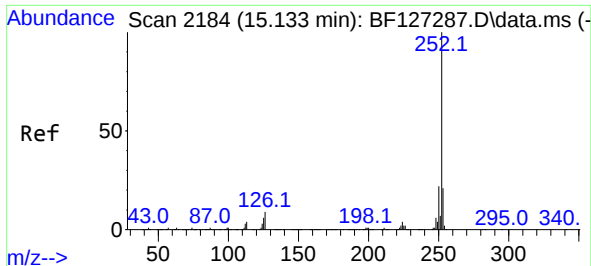


#88
Benzo(b)fluoranthene
Concen: 3.700 ng
RT: 15.092 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50



Tgt Ion:252 Resp: 48961
Ion Ratio Lower Upper
252 100
253 23.2 17.8 26.8
125 8.7 12.4 18.6





#89

Benzo(k)fluoranthene

Concen: 4.086 ng

RT: 15.121 min Scan# 2182

Delta R.T. -0.012 min

Lab File: BF127297.D

Acq: 11 Mar 2022 11:50

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022

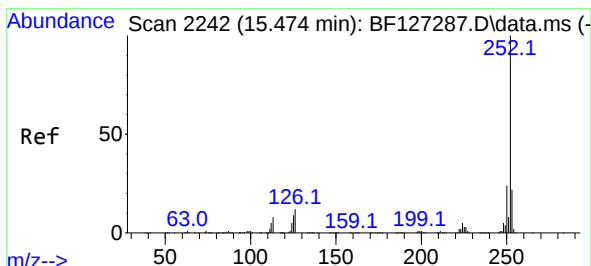
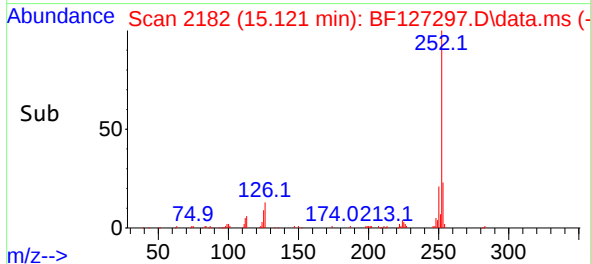
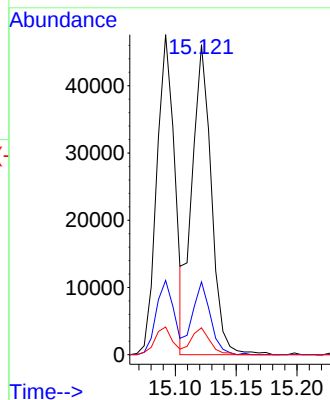
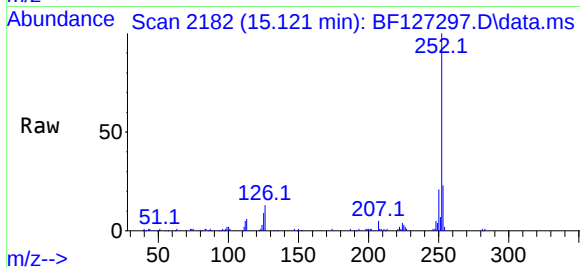
Tgt Ion:252	Resp:	5083
Ion Ratio	Lower	Upper
252	100	
253	23.5	17.5 26.3
125	8.7	11.8 17.6

Manual Integrations

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Reviewed By :Christian Giraldo 03/14/2022

Supervised By :Jagrut Upadhyay 03/14/2022



#90

Benzo(a)pyrene

Concen: 4.368 ng

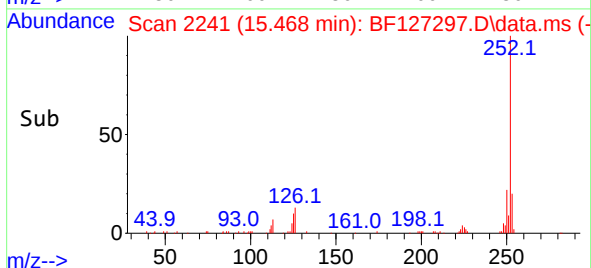
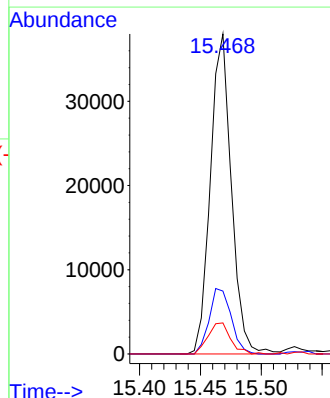
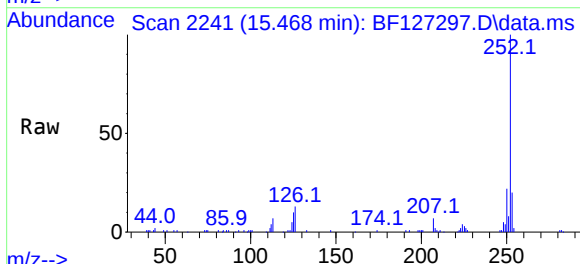
RT: 15.468 min Scan# 2241

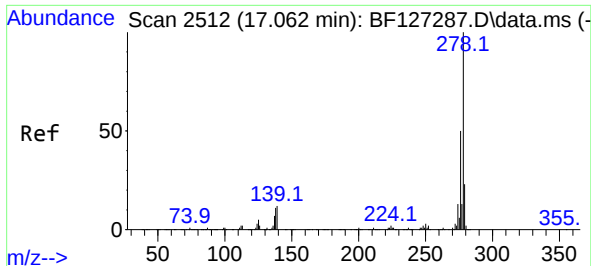
Delta R.T. -0.006 min

Lab File: BF127297.D

Acq: 11 Mar 2022 11:50

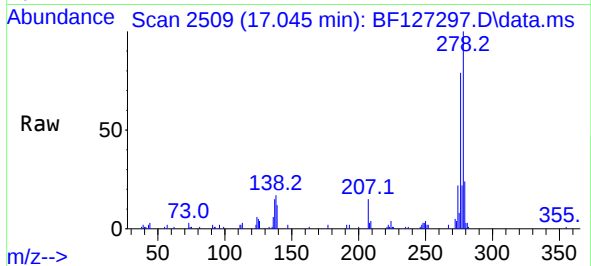
Tgt Ion:252	Resp:	45511
Ion Ratio	Lower	Upper
252	100	
253	19.7	17.1 25.7
125	9.7	13.0 19.6





#91
Dibenzo(a,h)anthracene
Concen: 3.241 ng
RT: 17.045 min Scan# 2509
Delta R.T. -0.018 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50

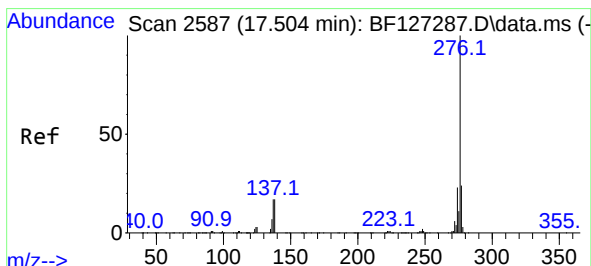
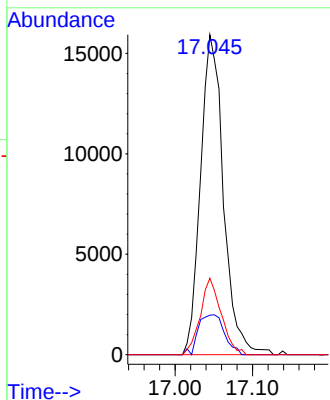
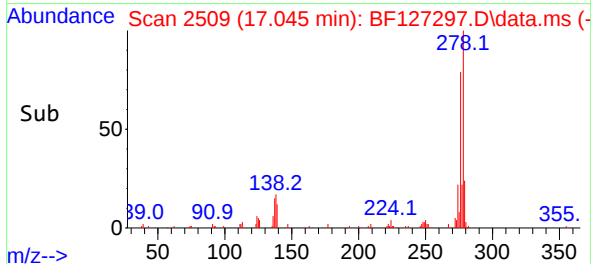
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



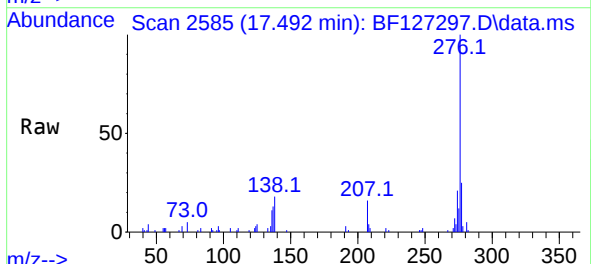
Tgt Ion: 278 Resp: 32759
Ion Ratio Lower Upper
278 100
139 12.3 18.0 27.0
279 23.9 18.6 27.8

Manual Integrations
APPROVED

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



#92
Benzo(g,h,i)perylene
Concen: 3.383 ng
RT: 17.492 min Scan# 2585
Delta R.T. -0.012 min
Lab File: BF127297.D
Acq: 11 Mar 2022 11:50



Tgt Ion: 276 Resp: 33349
Ion Ratio Lower Upper
276 100
277 25.4 18.5 27.7
138 18.0 25.9 38.9

