

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031122\
 Data File : BF127298.D
 Acq On : 11 Mar 2022 12:24
 Operator : CG\JU
 Sample : N1645-01
 Misc : LOD-MDL-SOIL 8ppm
 ALS Vial : 5 Sample Multiplier: 1

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

Quant Time: Mar 11 13:01:34 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	91358	20.000	ng	0.00
21) Naphthalene-d8	8.152	136	328738	20.000	ng	# 0.00
39) Acenaphthene-d10	9.910	164	205652	20.000	ng	0.00
64) Phenanthrene-d10	11.404	188	353077	20.000	ng	# 0.00
76) Chrysene-d12	14.051	240	302699	20.000	ng	# 0.00
86) Perylene-d12	15.533	264	229516	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.493	112	704848	124.027	ng	0.00
7) Phenol-d6	6.505	99	1000990	128.039	ng	0.00
23) Nitrobenzene-d5	7.434	82	570402	71.657	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	274074	123.801	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1003270	68.972	ng	0.00
79) Terphenyl-d14	12.992	244	1137609	64.715	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.646	88	19757	6.705	ng	# 78
3) Pyridine	3.475	79	53175	6.781	ng	# 74
4) n-Nitrosodimethylamine	3.370	42	31547	7.261	ng	# 71
6) Aniline	6.534	93	77712	8.318	ng	96
8) 2-Chlorophenol	6.658	128	42243	7.185	ng	95
9) Benzaldehyde	6.422	77	43269	9.495	ng	86
10) Phenol	6.516	94	63510	7.395	ng	78
11) bis(2-Chloroethyl)ether	6.605	93	48509	7.606	ng	92
12) 1,3-Dichlorobenzene	6.810	146	49802	7.546	ng	98
13) 1,4-Dichlorobenzene	6.887	146	49571	7.487	ng	97
14) 1,2-Dichlorobenzene	7.040	146	46375	7.443	ng	97
15) Benzyl Alcohol	7.010	79	45374	7.743	ng	# 89
16) 2,2'-oxybis(1-Chloropr...	7.140	45	86973	7.267	ng	99
17) 2-Methylphenol	7.116	107	37257	7.454	ng	# 92
18) Hexachloroethane	7.375	117	18323	7.205	ng	# 81
19) n-Nitroso-di-n-propyla...	7.275	70	35658	7.309	ng	# 86
20) 3+4-Methylphenols	7.275	107	44268	6.830	ng	# 43
22) Acetophenone	7.275	105	67998	7.555	ng	# 88
24) Nitrobenzene	7.452	77	57675	7.661	ng	91
25) Isophorone	7.687	82	96608	7.548	ng	99
26) 2-Nitrophenol	7.769	139	20747	6.654	ng	# 64
27) 2,4-Dimethylphenol	7.799	122	39728	8.488	ng	94
28) bis(2-Chloroethoxy)met...	7.899	93	61463	7.579	ng	98
29) 2,4-Dichlorophenol	8.010	162	37226	6.945	ng	98
30) 1,2,4-Trichlorobenzene	8.093	180	44066	7.211	ng	95
31) Naphthalene	8.175	128	129544	7.387	ng	99
32) Benzoic acid	7.893	122	12001m	4.132	ng	
33) 4-Chloroaniline	8.222	127	55836	8.214	ng	# 94
34) Hexachlorobutadiene	8.281	225	29046	7.128	ng	97
35) Caprolactam	8.563	113	11225	7.010	ng	88
36) 4-Chloro-3-methylphenol	8.704	107	41793	7.194	ng	97
37) 2-Methylnaphthalene	8.863	142	88021	7.682	ng	96
38) 1-Methylnaphthalene	8.963	142	87364	7.931	ng	97
40) 1,2,4,5-Tetrachloroben...	9.028	216	46690	7.172	ng	# 93
41) Hexachlorocyclopentadiene	9.010	237	10607	4.636	ng	98
43) 2,4,6-Trichlorophenol	9.146	196	26335	6.409	ng	96

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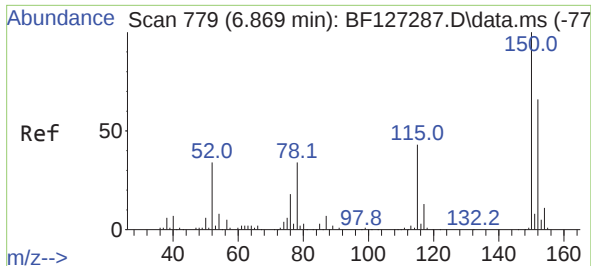
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.187	196	25322	5.807	ng	91
46) 1,1'-Biphenyl	9.328	154	113678	7.324	ng	98
47) 2-Chloronaphthalene	9.357	162	85352	7.064	ng	95
48) 2-Nitroaniline	9.451	65	32457	6.982	ng	85
49) Acenaphthylene	9.769	152	134872	7.294	ng	99
50) Dimethylphthalate	9.622	163	99136	6.727	ng	# 99
51) 2,6-Dinitrotoluene	9.693	165	20323	6.818	ng	90
52) Acenaphthene	9.940	154	80129	7.270	ng	97
53) 3-Nitroaniline	9.863	138	22703	6.989	ng	# 95
54) 2,4-Dinitrophenol	9.981	184	4168	2.838	ng	# 90
55) Dibenzofuran	10.116	168	119233	6.963	ng	99
56) 4-Nitrophenol	10.034	139	10663	5.401	ng	# 78
57) 2,4-Dinitrotoluene	10.099	165	28248	7.202	ng	94
58) Fluorene	10.457	166	94597	7.125	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.234	232	21921	6.049	ng	# 82
60) Diethylphthalate	10.322	149	94180	7.006	ng	97
61) 4-Chlorophenyl-phenyle...	10.446	204	50749	7.053	ng	89
62) 4-Nitroaniline	10.475	138	22088	6.824	ng	# 76
63) Azobenzene	10.610	77	104447	6.760	ng	90
65) 4,6-Dinitro-2-methylph...	10.510	198	11508	5.286	ng	89
66) n-Nitrosodiphenylamine	10.569	169	80934	7.381	ng	98
67) 4-Bromophenyl-phenylether	10.940	248	30189	7.093	ng	93
68) Hexachlorobenzene	11.004	284	32201	6.942	ng	# 90
69) Atrazine	11.093	200	30674	8.106	ng	95
70) Pentachlorophenol	11.210	266	8116m	4.334	ng	
71) Phenanthrene	11.428	178	134778	7.231	ng	98
72) Anthracene	11.475	178	141538	7.668	ng	98
73) Carbazole	11.634	167	123046	7.079	ng	98
74) Di-n-butylphthalate	11.957	149	142406	7.004	ng	100
75) Fluoranthene	12.616	202	155836	7.478	ng	92
77) Benzidine	12.740	184	66696	8.664	ng	98
78) Pyrene	12.845	202	158789	6.735	ng	98
80) Butylbenzylphthalate	13.457	149	58170	6.411	ng	# 95
81) Benzo(a)anthracene	14.039	228	142707	7.002	ng	100
82) 3,3'-Dichlorobenzidine	13.998	252	45671	7.207	ng	# 96
83) Chrysene	14.075	228	130520	6.885	ng	98
84) Bis(2-ethylhexyl)phtha...	14.010	149	82923	6.789	ng	# 100
85) Di-n-octyl phthalate	14.628	149	134848	7.294	ng	96
87) Indeno(1,2,3-cd)pyrene	17.039	276	83481	6.038	ng	# 85
88) Benzo(b)fluoranthene	15.092	252	113573	7.539	ng	# 93
89) Benzo(k)fluoranthene	15.122	252	106991	7.553	ng	# 95
90) Benzo(a)pyrene	15.469	252	99364	8.376	ng	# 93
91) Dibenzo(a,h)anthracene	17.051	278	73613	6.397	ng	# 91
92) Benzo(g,h,i)perylene	17.492	276	69000	6.147	ng	# 84

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

Manual Integrations

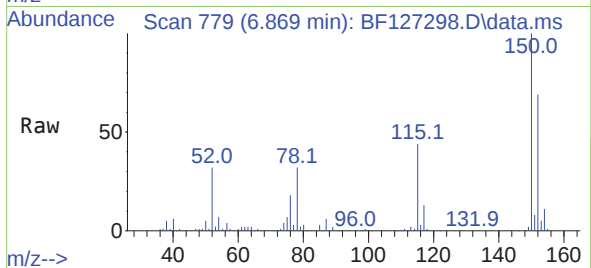
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 71
Delta R.T. 0.000 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

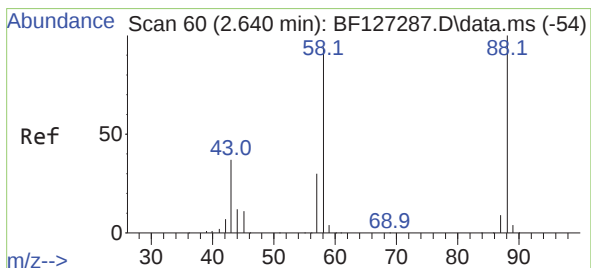
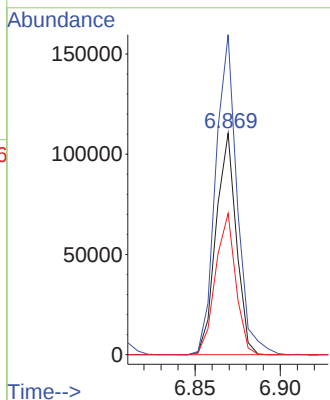
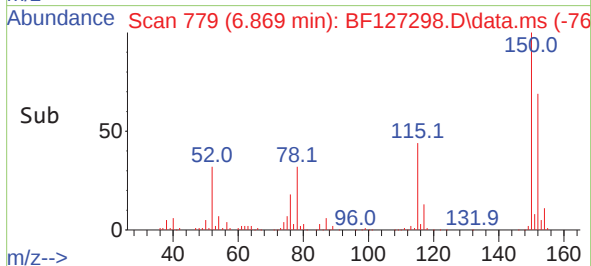
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:152 Resp: 91358
Ion Ratio Lower Upper
152 100
150 144.5 128.1 192.1
115 63.8 56.7 85.1

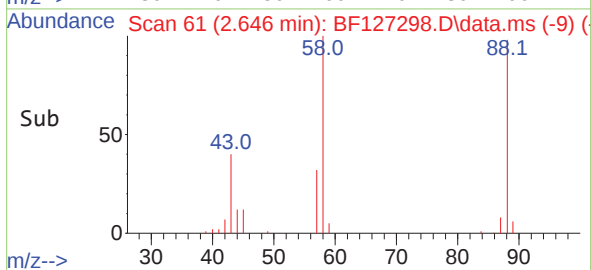
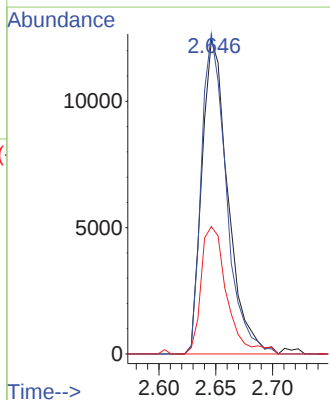
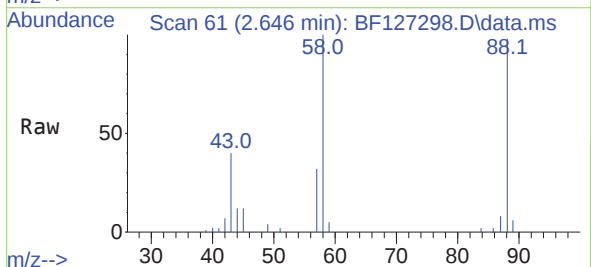
Manual Integrations
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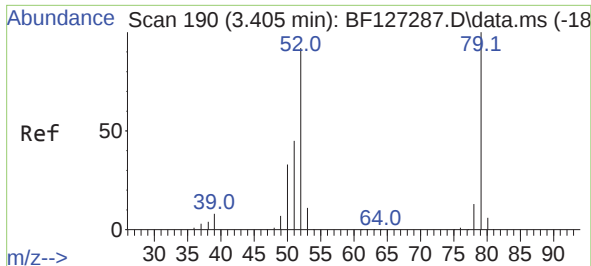
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#2
1,4-Dioxane
Concen: 6.705 ng
RT: 2.646 min Scan# 61
Delta R.T. 0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

Tgt Ion: 88 Resp: 19757
Ion Ratio Lower Upper
88 100
58 97.1 62.8 94.2#
43 40.1 22.3 33.5#





#3

Pyridine

Concen: 6.781 ng

RT: 3.475 min Scan# 20

Delta R.T. 0.071 min

Lab File: BF127298.D

Acq: 11 Mar 2022 12:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022

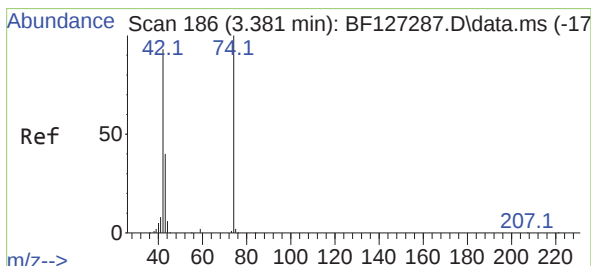
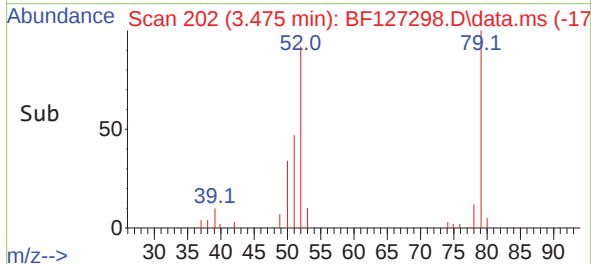
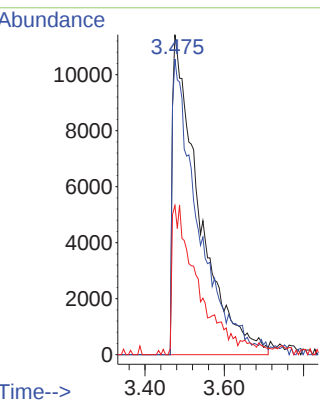
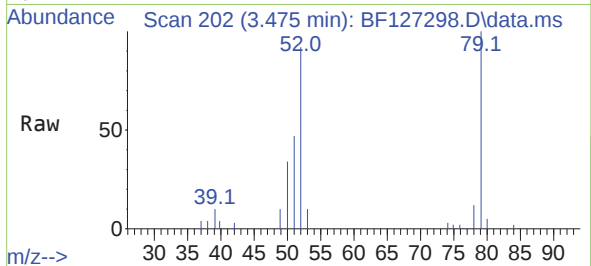
Tgt Ion: 79	Resp: 5317
Ion Ratio	Lower Upper
79 100	
52 92.4	56.2 84.4
51 46.6	26.7 40.1

Manual Integrations

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Supervised By :Jagrut Upadhyay 03/14/2022



#4

n-Nitrosodimethylamine

Concen: 7.261 ng

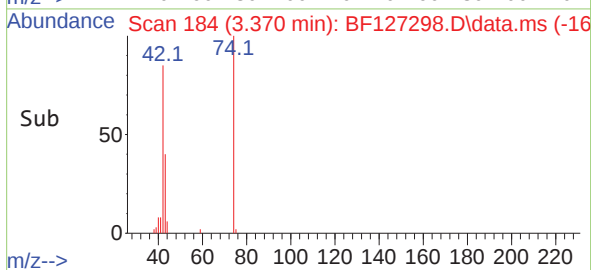
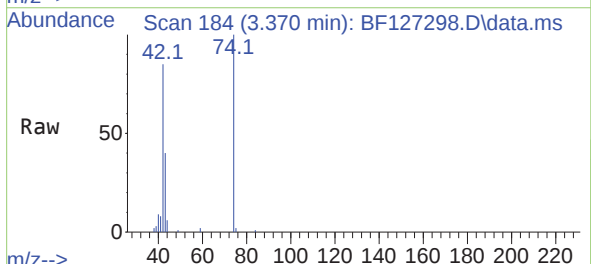
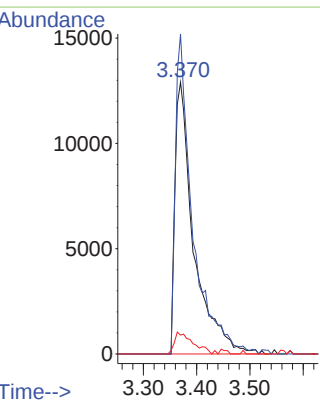
RT: 3.370 min Scan# 184

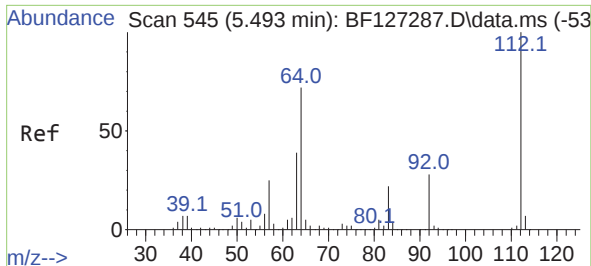
Delta R.T. -0.011 min

Lab File: BF127298.D

Acq: 11 Mar 2022 12:24

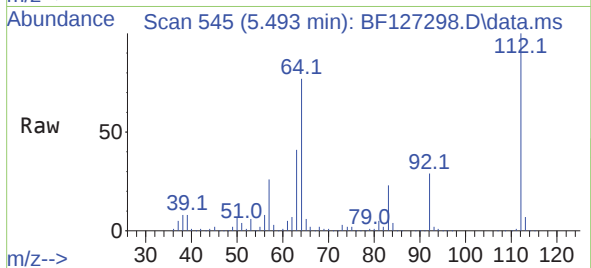
Tgt Ion: 42	Resp: 31547
Ion Ratio	Lower Upper
42 100	
74 117.8	125.6 188.4
44 7.0	5.7 8.5





#5
2-Fluorophenol
Concen: 124.027 ng
RT: 5.493 min Scan# 54
Delta R.T. 0.000 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

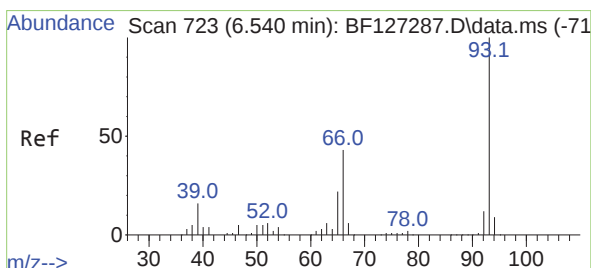
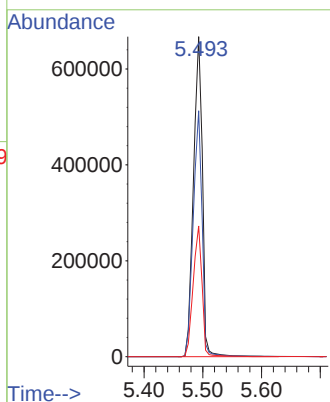
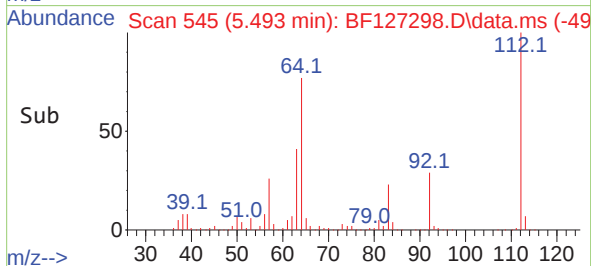
Instrument :
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ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



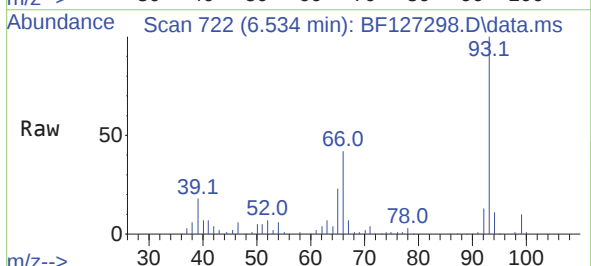
Tgt Ion:112 Resp: 70484
Ion Ratio Lower Upper
112 100
64 76.9 49.5 74.3
63 40.8 23.9 35.9

Manual Integrations
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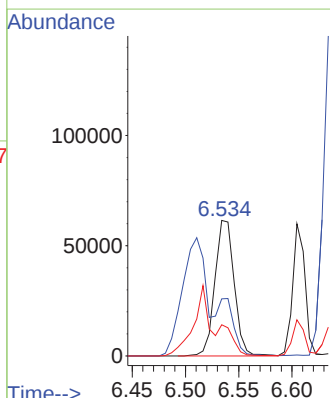
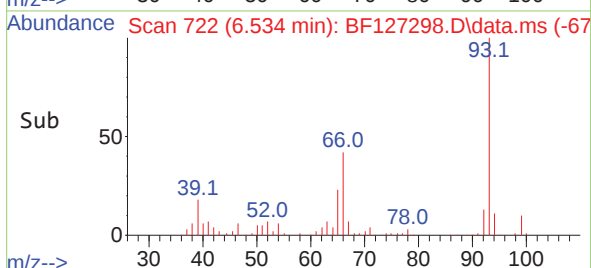
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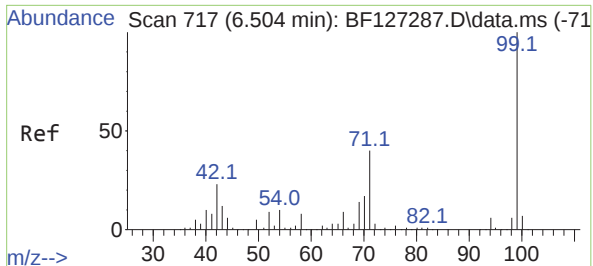


#6
Aniline
Concen: 8.318 ng
RT: 6.534 min Scan# 722
Delta R.T. -0.006 min
Lab File: BF127298.D
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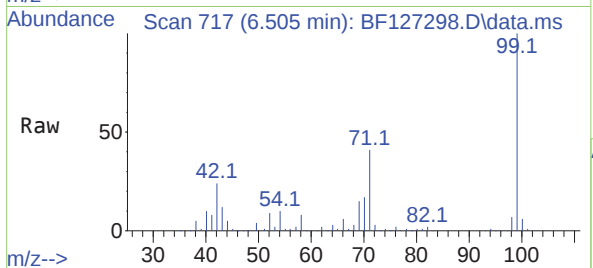
Tgt Ion: 93 Resp: 77712
Ion Ratio Lower Upper
93 100
66 42.2 32.2 48.4
65 23.1 16.3 24.5





#7
Phenol-d6
Concen: 128.039 ng
RT: 6.505 min Scan# 717
Delta R.T. 0.000 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

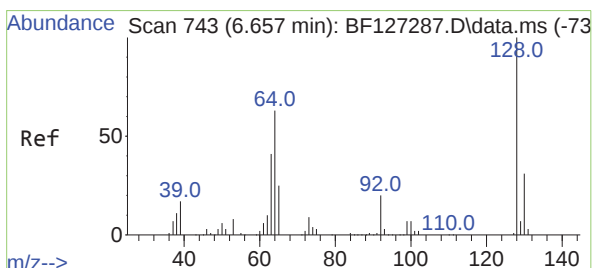
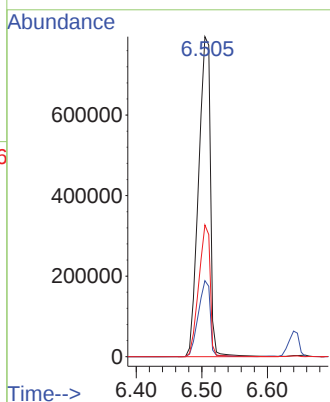
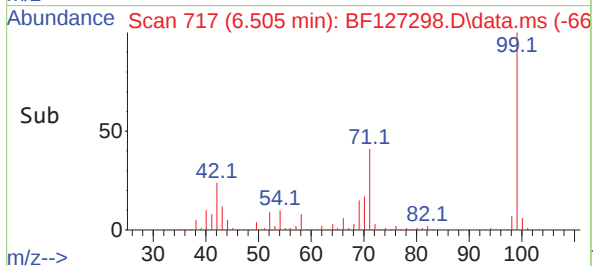
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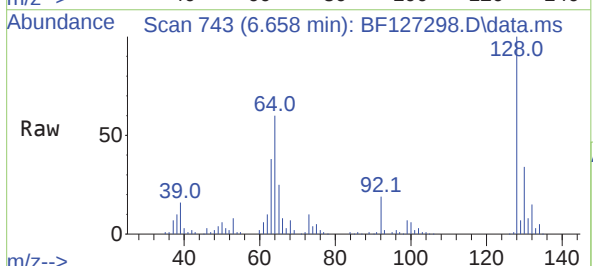
Tgt Ion: 99 Resp: 1000990
Ion Ratio Lower Upper
99 100
42 23.8 14.2 21.4
71 41.1 24.3 36.5

Manual Integrations
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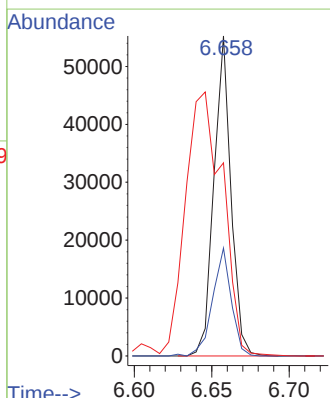
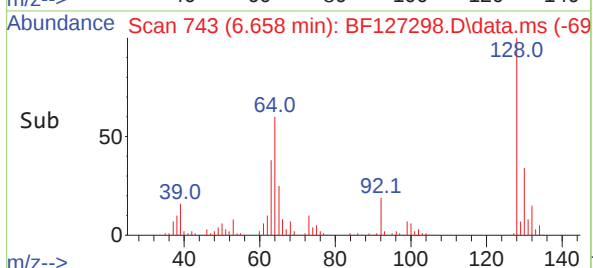
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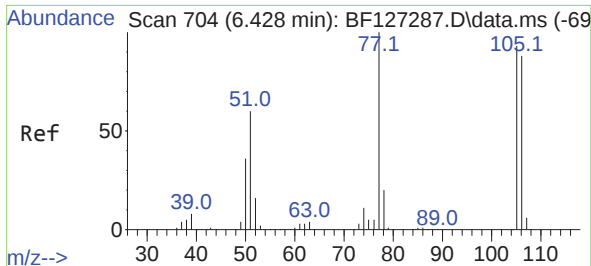


#8
2-Chlorophenol
Concen: 7.185 ng
RT: 6.658 min Scan# 743
Delta R.T. 0.000 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24



Tgt Ion:128 Resp: 42243
Ion Ratio Lower Upper
128 100
130 33.7 12.7 52.7
64 60.3 35.6 75.6





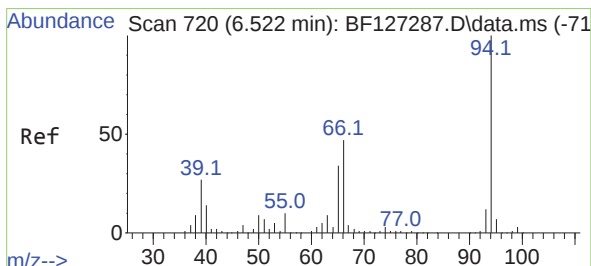
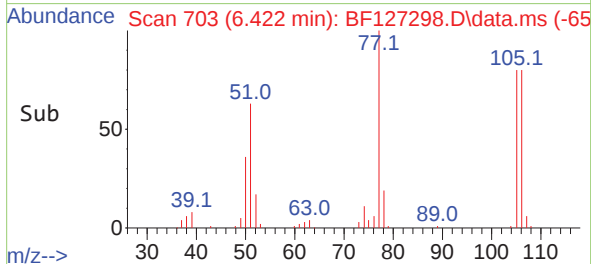
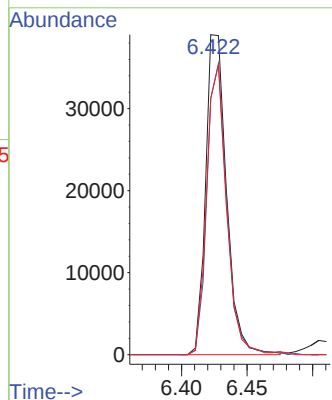
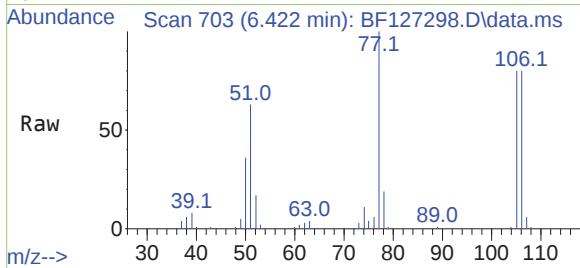
#9
Benzaldehyde
Concen: 9.495 ng
RT: 6.422 min Scan# 704
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

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

Tgt Ion: 77 Resp: 43269
Ion Ratio Lower Upper
77 100
105 80.1 74.9 114.9
106 80.1 72.4 112.4

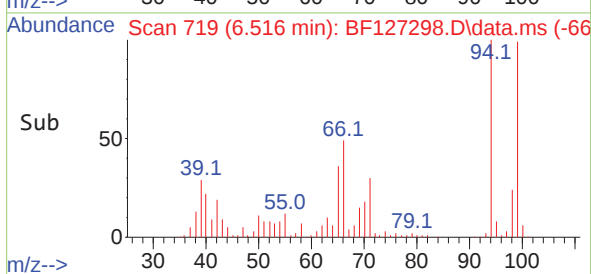
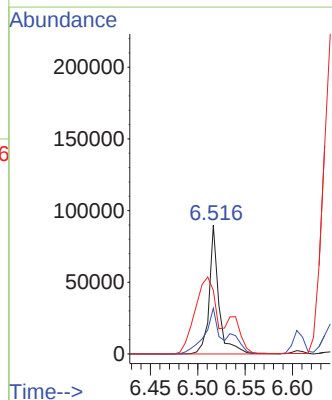
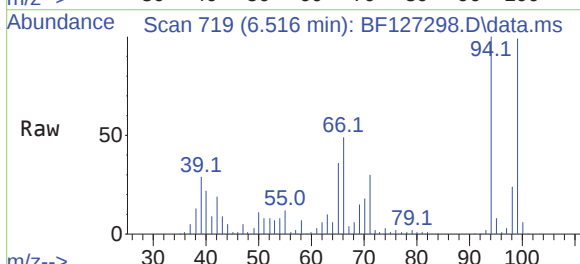
Manual Integrations
APPROVED

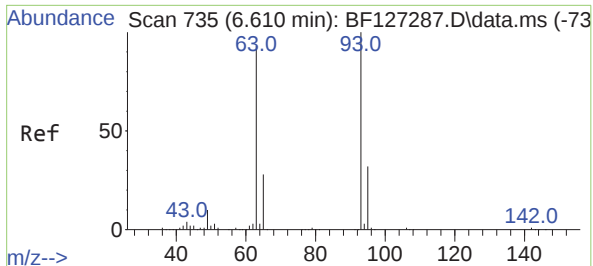
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#10
Phenol
Concen: 7.395 ng
RT: 6.516 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

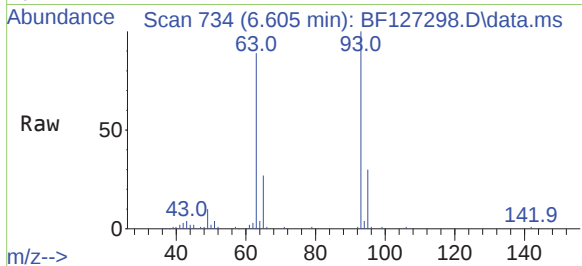
Tgt Ion: 94 Resp: 63510
Ion Ratio Lower Upper
94 100
65 35.6 7.2 47.2
66 49.5 14.5 54.5





#11
bis(2-Chloroethyl)ether
Concen: 7.606 ng
RT: 6.605 min Scan# 735
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

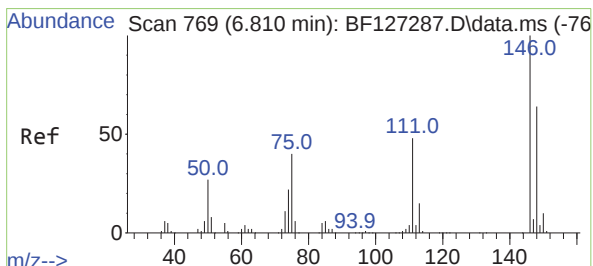
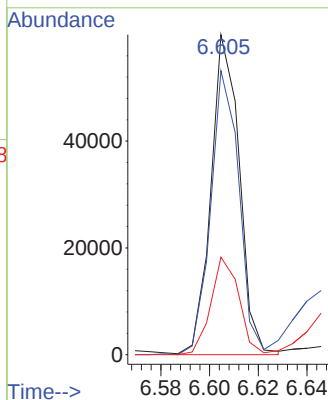
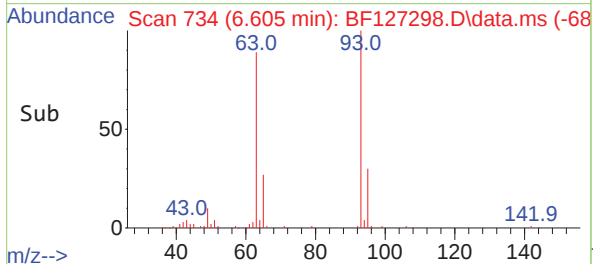
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



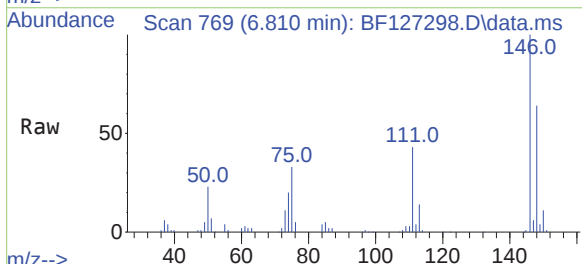
Tgt Ion: 93 Resp: 48509
Ion Ratio Lower Upper
93 100
63 88.7 60.5 100.5
95 30.5 12.9 52.9

Manual Integrations
APPROVED

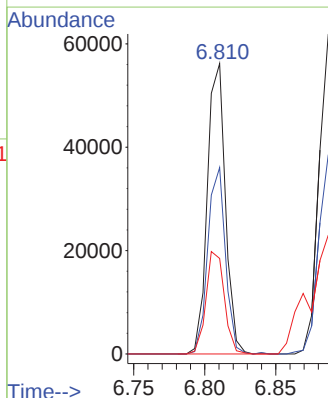
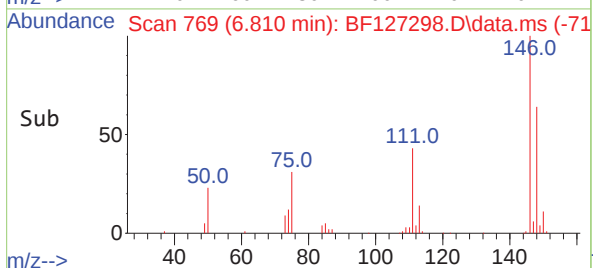
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

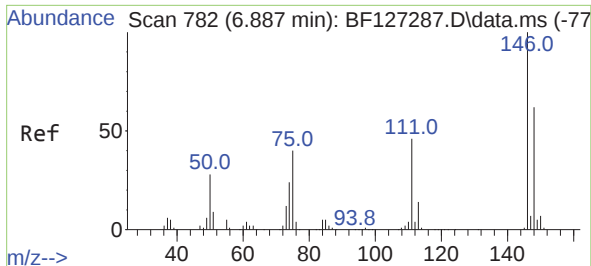


#12
1,3-Dichlorobenzene
Concen: 7.546 ng
RT: 6.810 min Scan# 769
Delta R.T. 0.000 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24



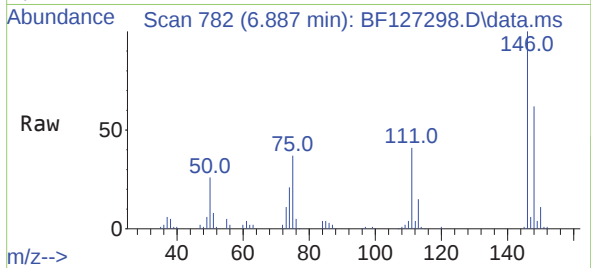
Tgt Ion:146 Resp: 49802
Ion Ratio Lower Upper
146 100
148 64.2 50.9 76.3
75 32.9 28.4 42.6





#13
1,4-Dichlorobenzene
Concen: 7.487 ng
RT: 6.887 min Scan# 782
Delta R.T. 0.000 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

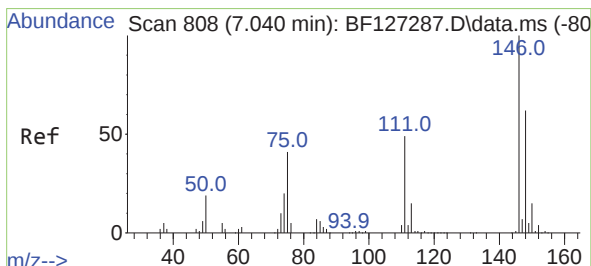
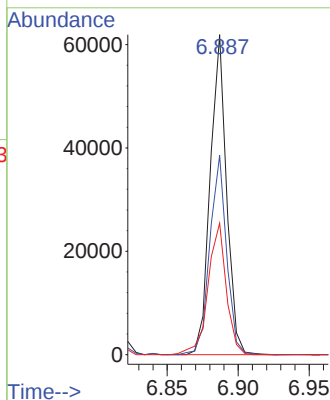
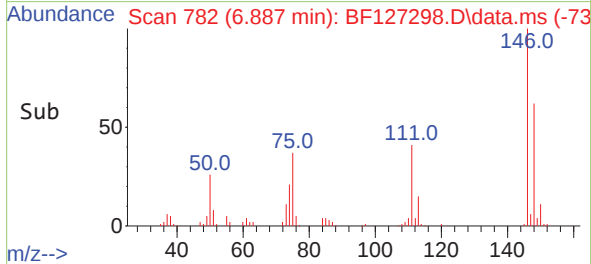
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



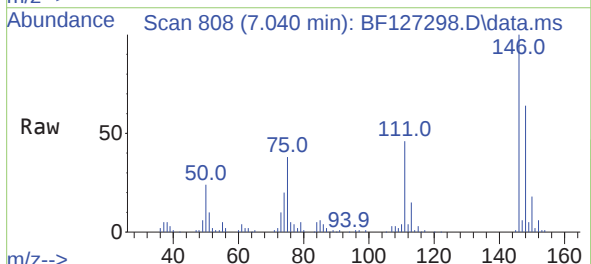
Tgt Ion:146 Resp: 4957
Ion Ratio Lower Upper
146 100
148 62.3 49.8 74.6
111 41.1 36.1 54.1

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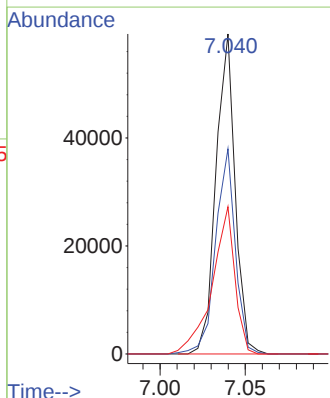
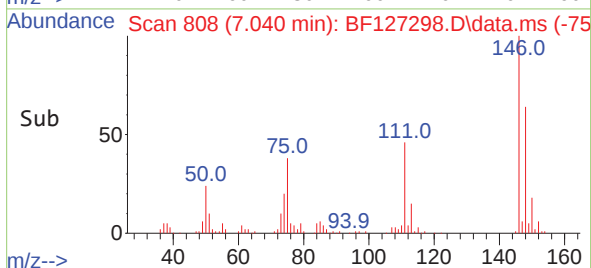
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

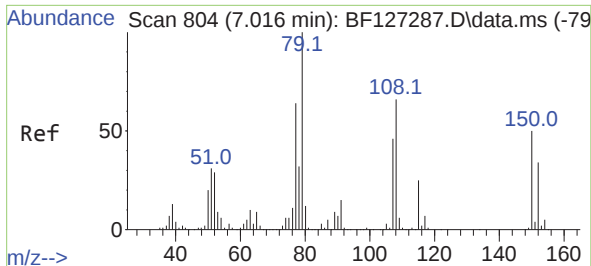


#14
1,2-Dichlorobenzene
Concen: 7.443 ng
RT: 7.040 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24



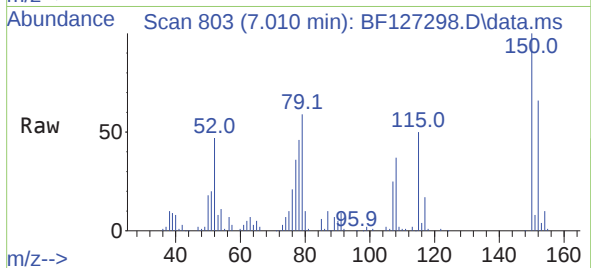
Tgt Ion:146 Resp: 46375
Ion Ratio Lower Upper
146 100
148 64.1 51.6 77.4
111 46.0 40.2 60.2





#15
Benzyl Alcohol
Concen: 7.743 ng
RT: 7.010 min Scan# 804
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

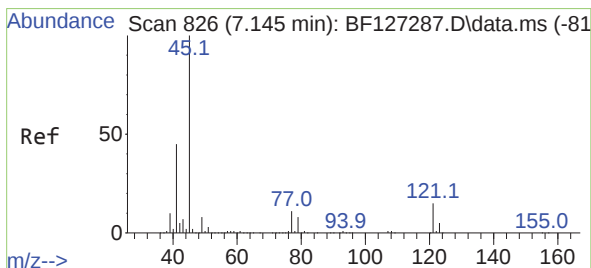
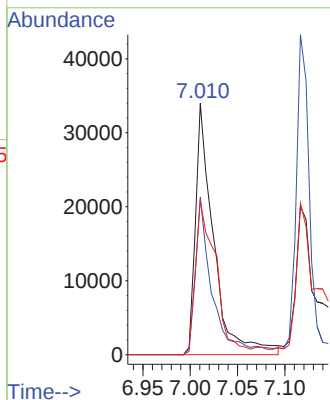
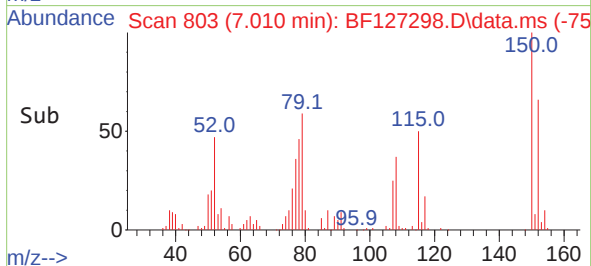
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



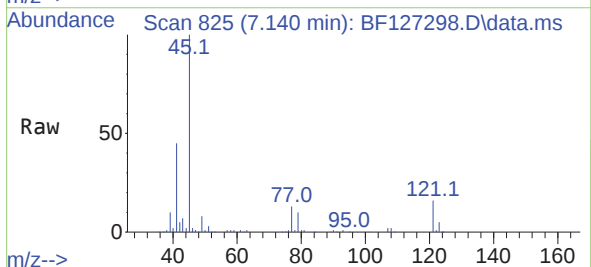
Tgt Ion: 79 Resp: 45374
Ion Ratio Lower Upper
79 100
108 62.6 63.2 94.8
77 61.4 49.4 74.2

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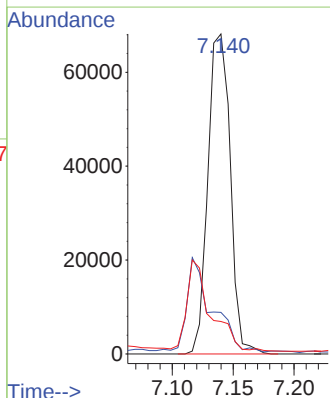
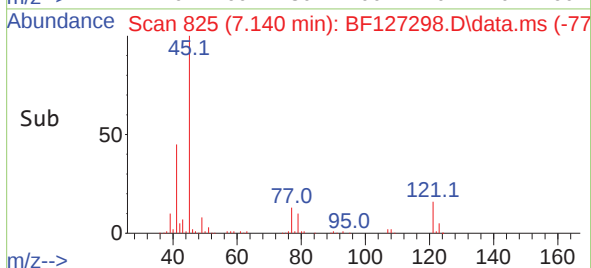
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

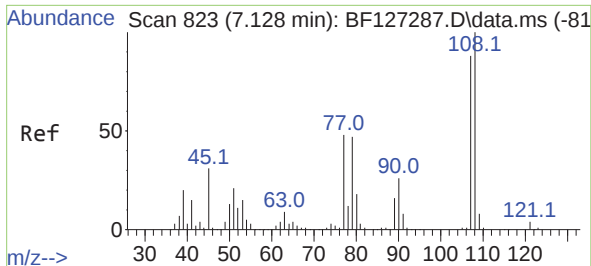


#16
2,2'-oxybis(1-Chloropropane)
Concen: 7.267 ng
RT: 7.140 min Scan# 825
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24



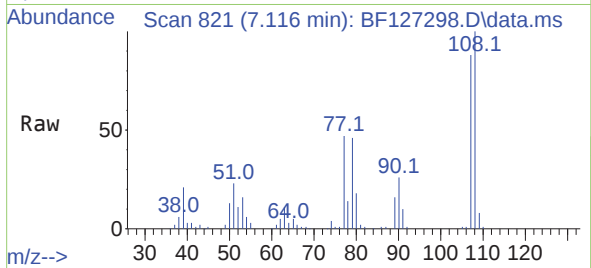
Tgt Ion: 45 Resp: 86973
Ion Ratio Lower Upper
45 100
77 13.0 0.0 32.4
79 10.2 0.0 29.8





#17
2-Methylphenol
Concen: 7.454 ng
RT: 7.116 min Scan# 81
Delta R.T. -0.011 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

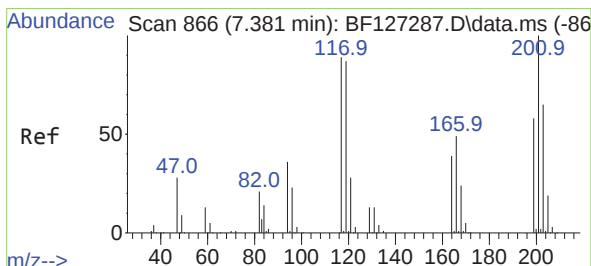
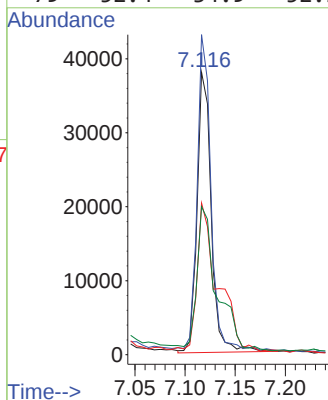
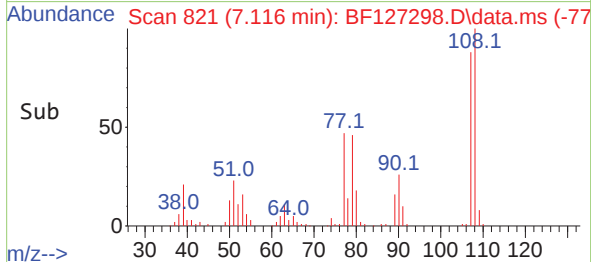
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:107 Resp: 3725
Ion Ratio Lower Upper
107 100
108 113.4 93.4 140.0
77 53.7 36.1 54.1
79 52.4 34.9 52.3#

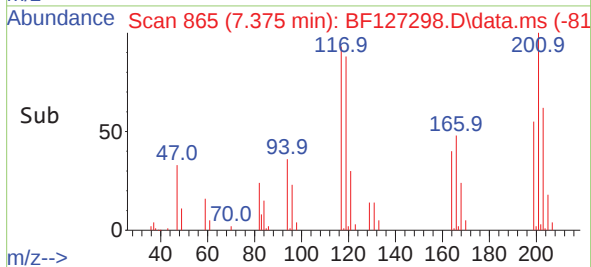
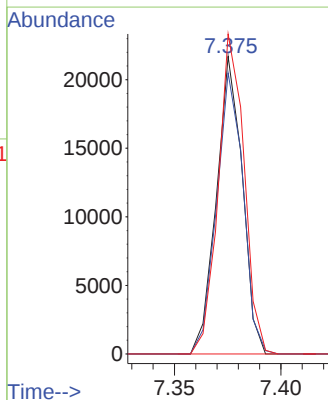
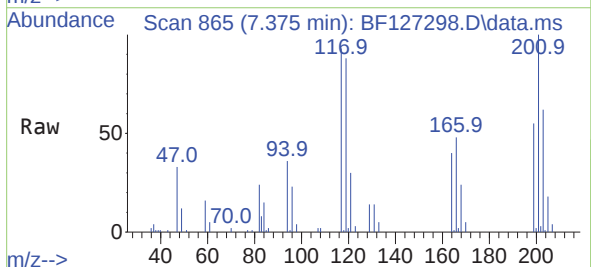
Manual Integrations
APPROVED

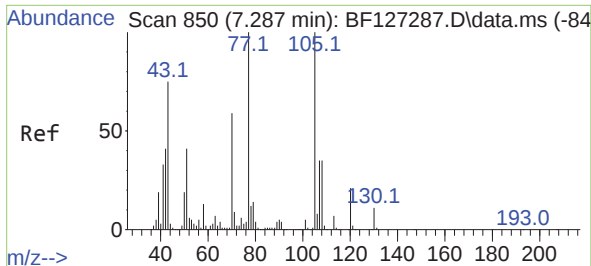
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#18
Hexachloroethane
Concen: 7.205 ng
RT: 7.375 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

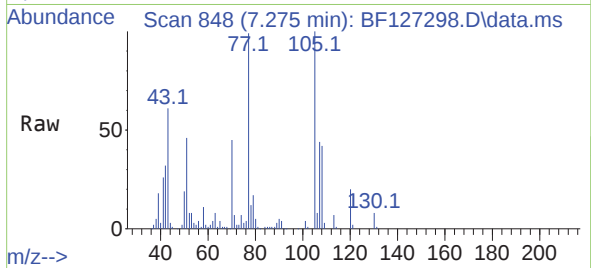
Tgt Ion:117 Resp: 18323
Ion Ratio Lower Upper
117 100
119 94.4 75.4 113.0
201 107.5 56.8 85.2#





#19
n-Nitroso-di-n-propylamine
Concen: 7.309 ng
RT: 7.275 min Scan# 848
Delta R.T. -0.011 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

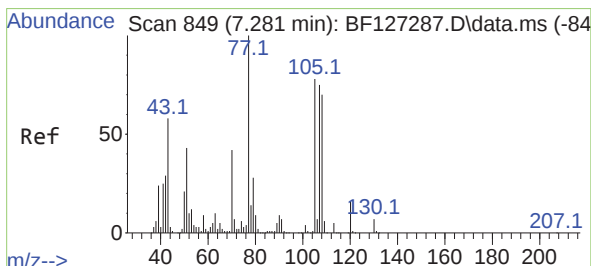
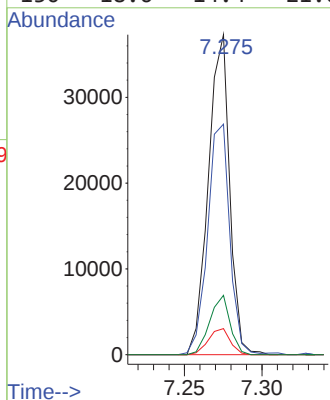
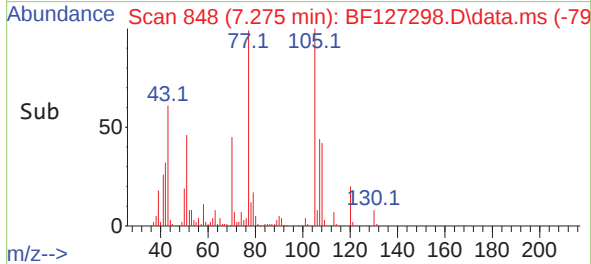
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



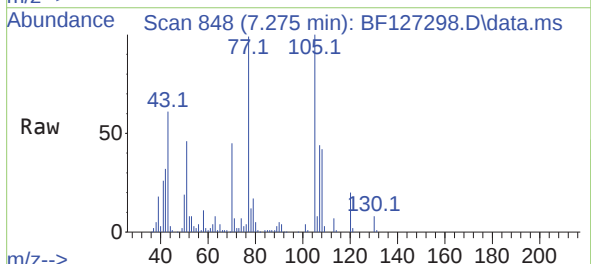
Tgt Ion: 70 Resp: 35658
Ion Ratio Lower Upper
70 100
42 72.1 45.8 68.8
101 8.2 6.9 10.3
130 18.6 14.4 21.6

Manual Integrations
APPROVED

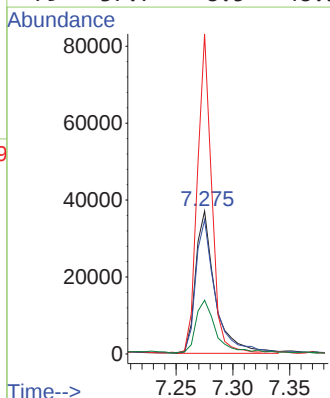
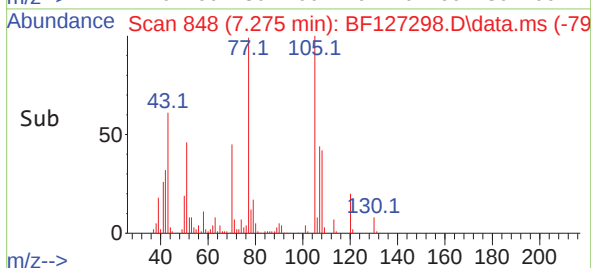
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

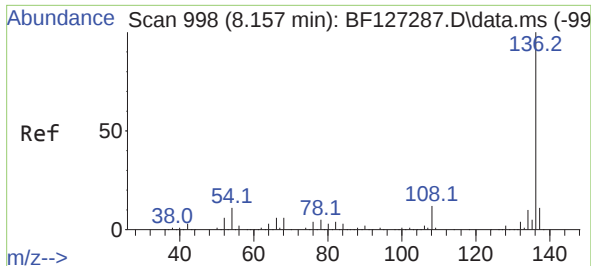


#20
3+4-Methylphenols
Concen: 6.830 ng
RT: 7.275 min Scan# 848
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24



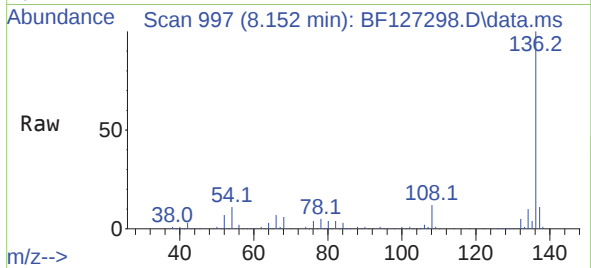
Tgt Ion:107 Resp: 44268
Ion Ratio Lower Upper
107 100
108 93.9 72.4 112.4
77 224.1 83.8 123.8
79 37.7 8.5 48.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.152 min Scan# 998
Delta R.T. -0.005 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

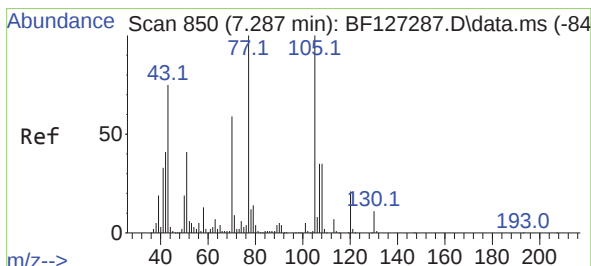
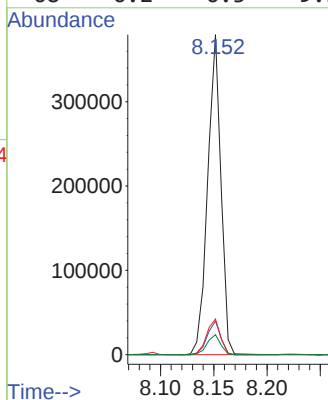
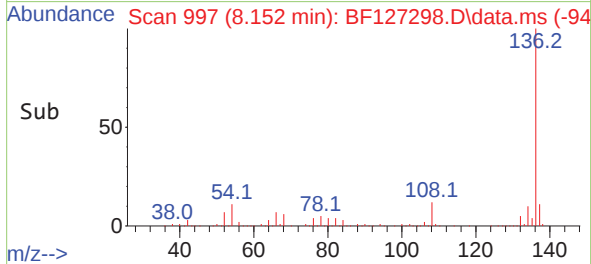
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



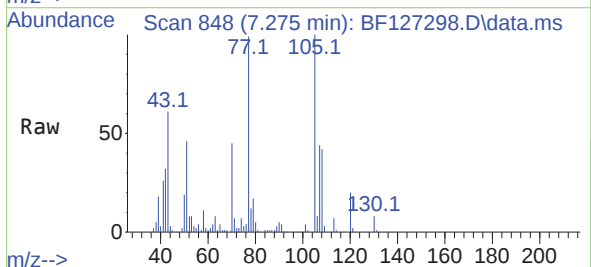
Tgt Ion:136 Resp: 328738
Ion Ratio Lower Upper
136 100
137 10.5 8.6 13.0
54 11.2 7.8 11.6
68 6.2 6.3 9.5#

Manual Integrations
APPROVED

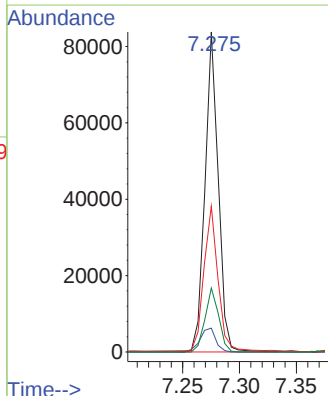
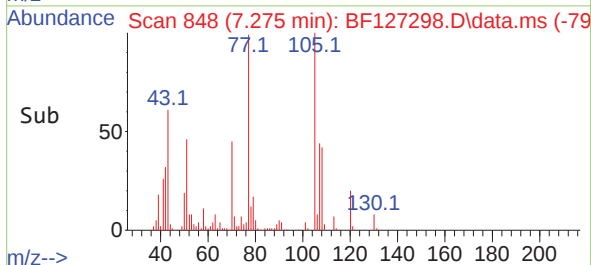
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

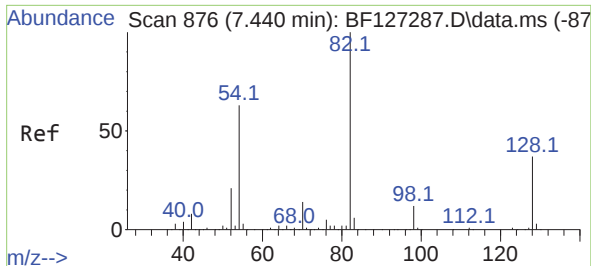


#22
Acetophenone
Concen: 7.555 ng
RT: 7.275 min Scan# 848
Delta R.T. -0.011 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24



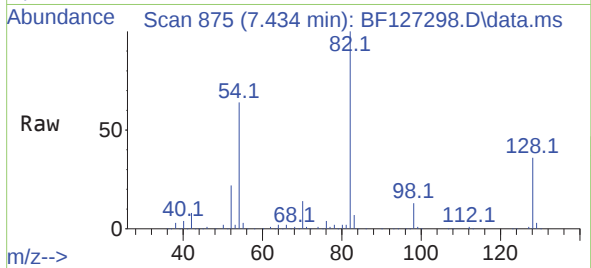
Tgt Ion:105 Resp: 67998
Ion Ratio Lower Upper
105 100
71 7.4 5.4 8.0
51 45.6 27.4 41.0#
120 20.0 17.0 25.6





#23
Nitrobenzene-d5
Concen: 71.657 ng
RT: 7.434 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

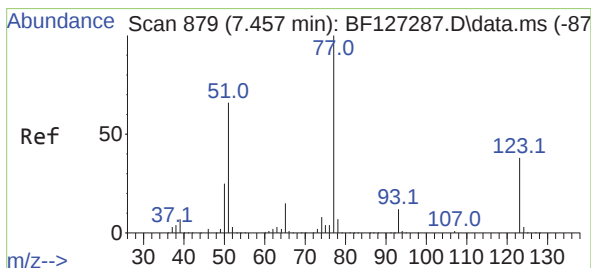
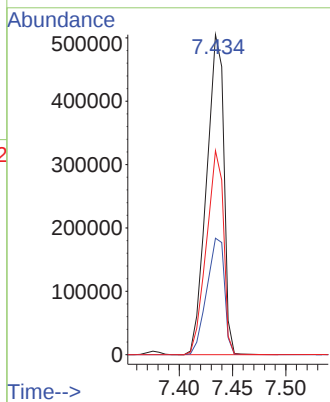
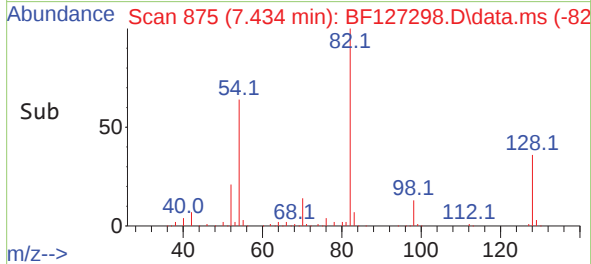
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion: 82 Resp: 57040
Ion Ratio Lower Upper
82 100
128 36.4 32.7 49.1
54 63.8 41.7 62.5

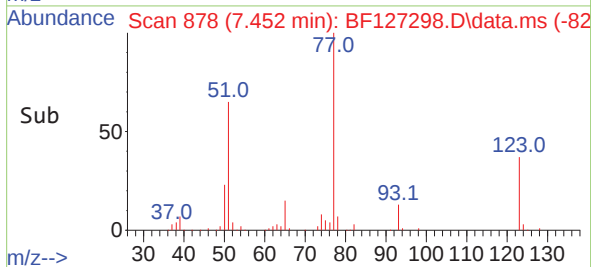
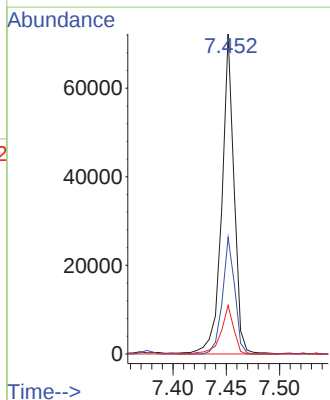
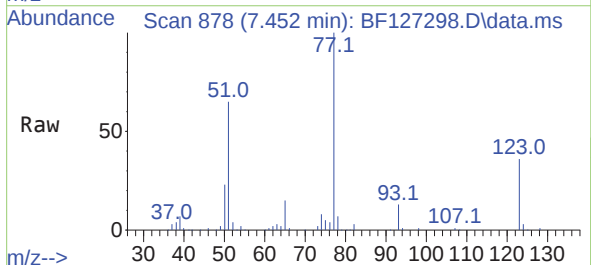
Manual Integrations
APPROVED

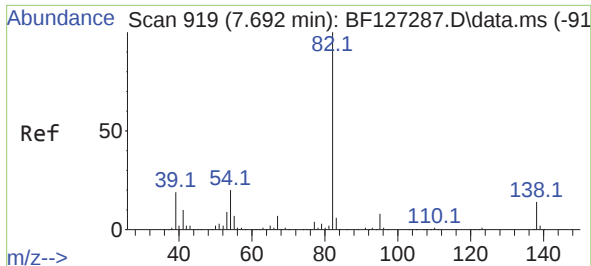
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#24
Nitrobenzene
Concen: 7.661 ng
RT: 7.452 min Scan# 878
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

Tgt Ion: 77 Resp: 57675
Ion Ratio Lower Upper
77 100
123 36.5 34.6 52.0
65 15.1 10.6 15.8





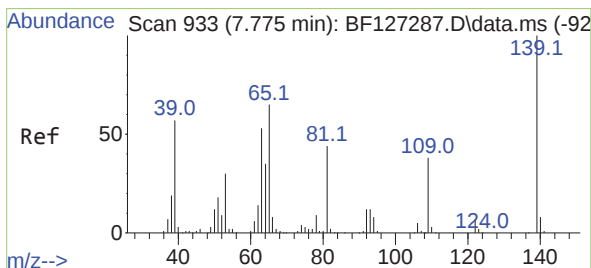
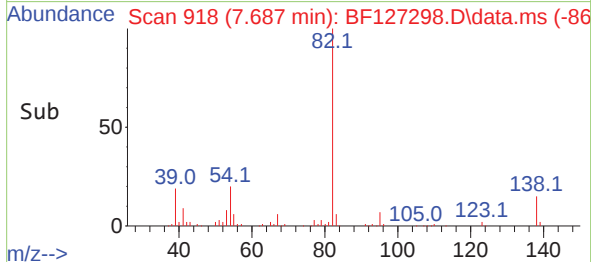
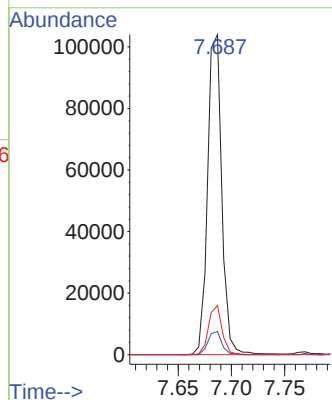
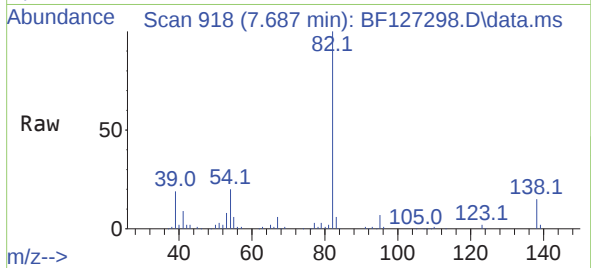
#25
Isophorone
Concen: 7.548 ng
RT: 7.687 min Scan# 919
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

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

Tgt Ion: 82 Resp: 96608
Ion Ratio Lower Upper
82 100
95 7.3 5.0 7.4
138 15.3 12.3 18.5

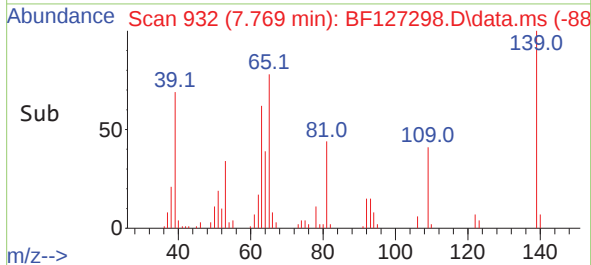
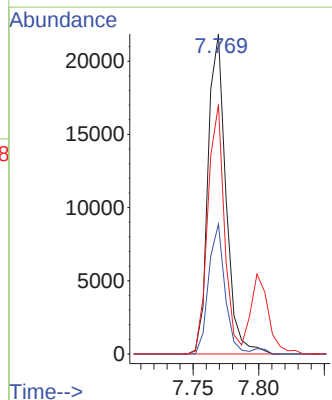
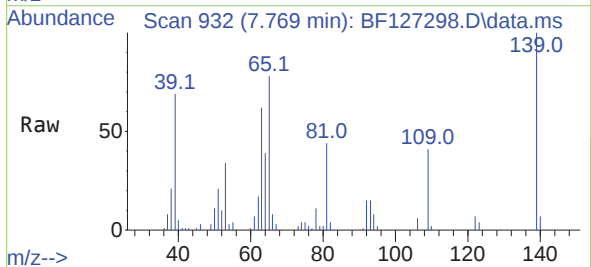
Manual Integrations
APPROVED

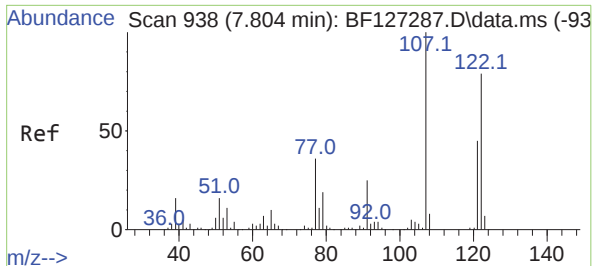
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#26
2-Nitrophenol
Concen: 6.654 ng
RT: 7.769 min Scan# 932
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

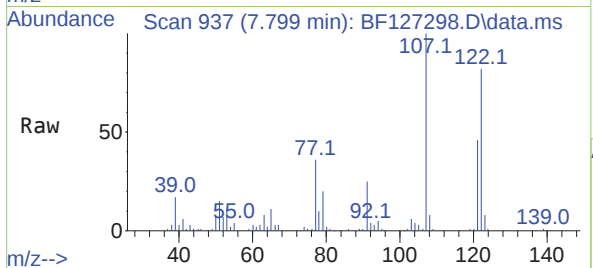
Tgt Ion:139 Resp: 20747
Ion Ratio Lower Upper
139 100
109 40.6 20.0 30.0#
65 77.9 40.8 61.2#





#27
2,4-Dimethylphenol
Concen: 8.488 ng
RT: 7.799 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

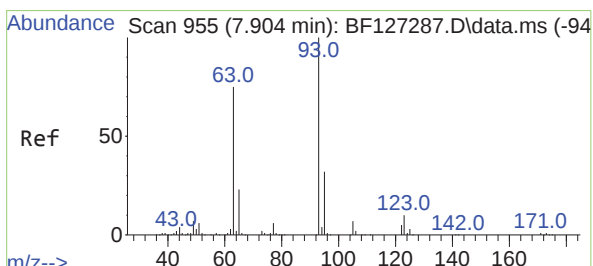
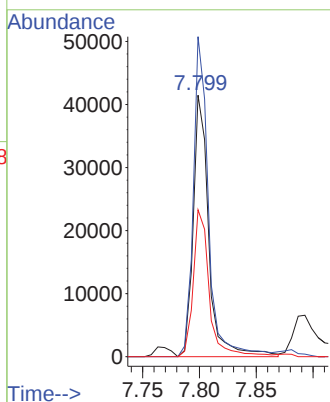
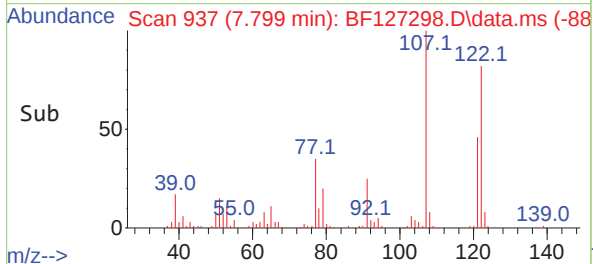
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



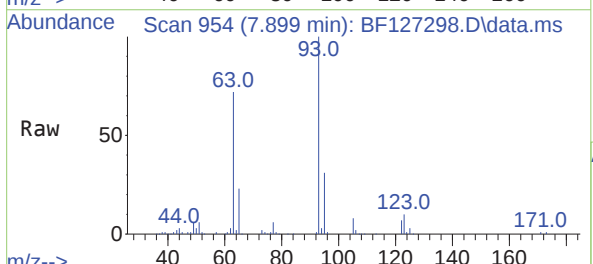
Tgt Ion:122 Resp: 39728
Ion Ratio Lower Upper
122 100
107 122.4 91.2 136.8
121 56.2 44.4 66.6

Manual Integrations
APPROVED

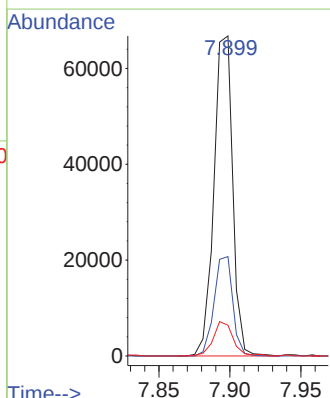
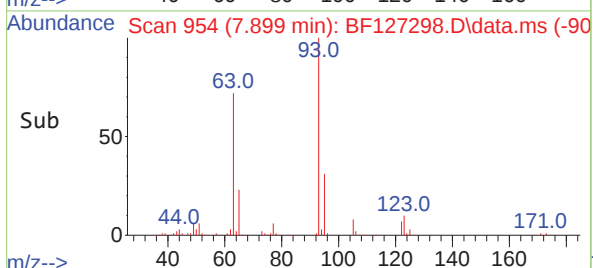
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

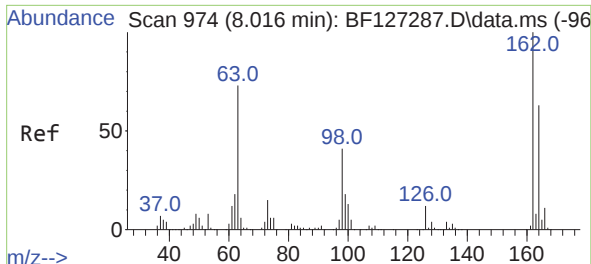


#28
bis(2-Chloroethoxy)methane
Concen: 7.579 ng
RT: 7.899 min Scan# 954
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24



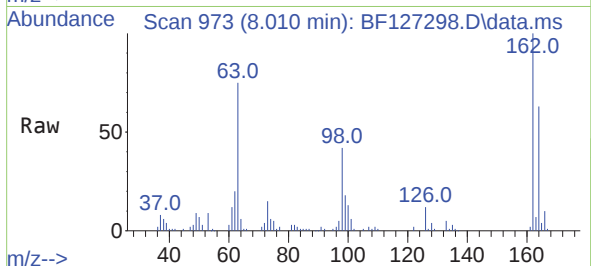
Tgt Ion: 93 Resp: 61463
Ion Ratio Lower Upper
93 100
95 31.0 25.4 38.2
123 9.6 8.9 13.3





#29
2,4-Dichlorophenol
Concen: 6.945 ng
RT: 8.010 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

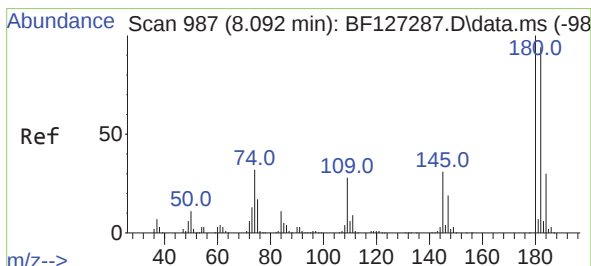
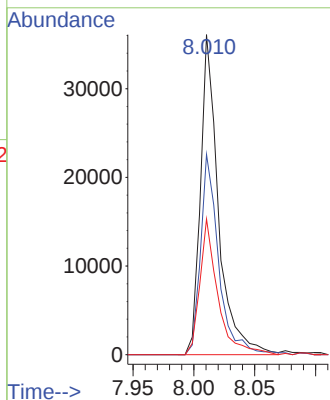
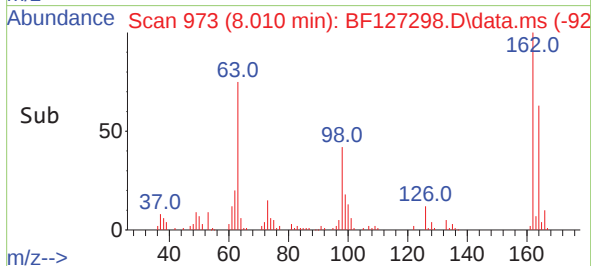
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



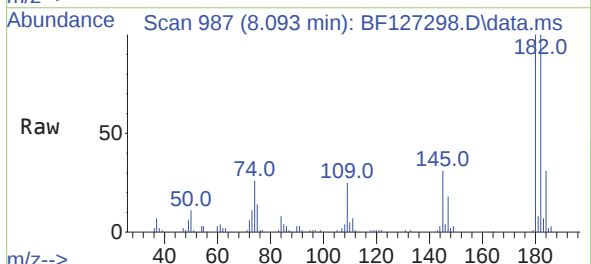
Tgt Ion:162 Resp: 37220
Ion Ratio Lower Upper
162 100
164 62.6 43.8 83.8
98 42.4 23.6 63.6

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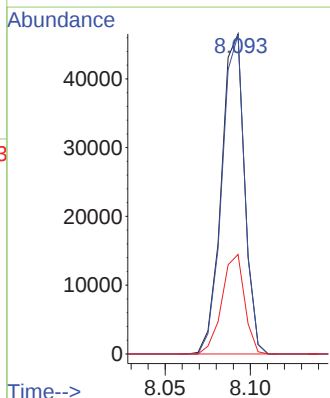
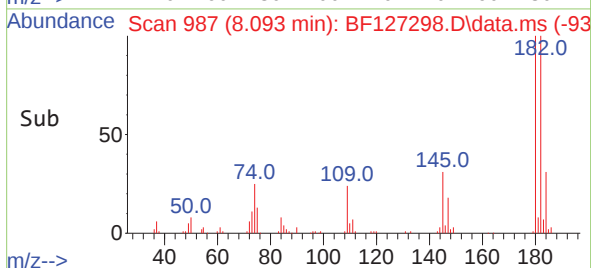
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

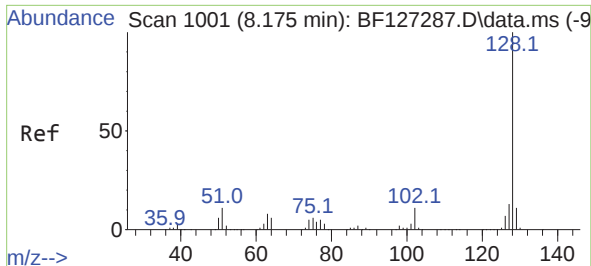


#30
1,2,4-Trichlorobenzene
Concen: 7.211 ng
RT: 8.093 min Scan# 987
Delta R.T. 0.000 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24



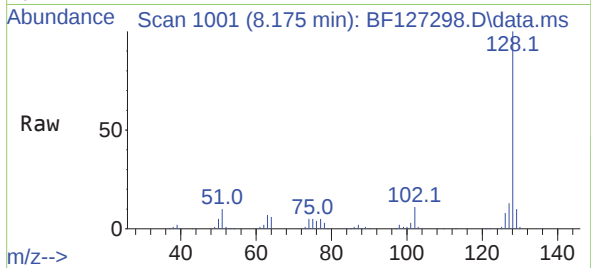
Tgt Ion:180 Resp: 44066
Ion Ratio Lower Upper
180 100
182 99.7 75.5 113.3
145 31.1 26.2 39.2





#31
Naphthalene
Concen: 7.387 ng
RT: 8.175 min Scan# 1001
Delta R.T. 0.000 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

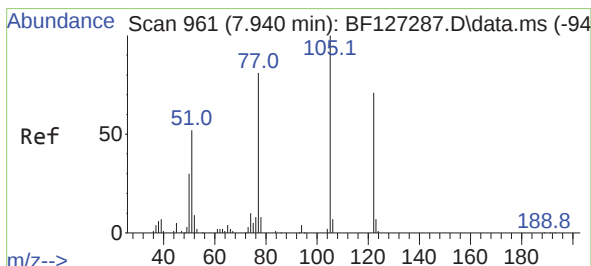
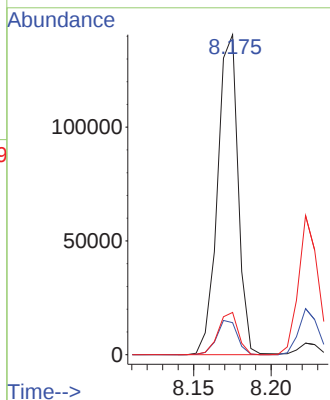
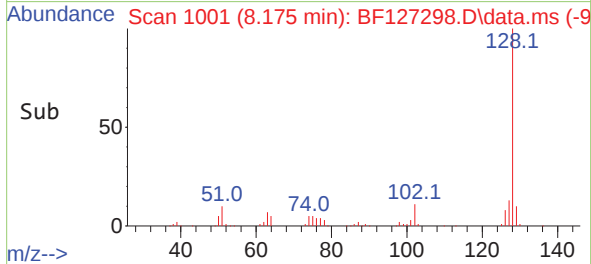
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:128 Resp: 129544
Ion Ratio Lower Upper
128 100
129 10.0 8.6 13.0
127 13.2 10.3 15.5

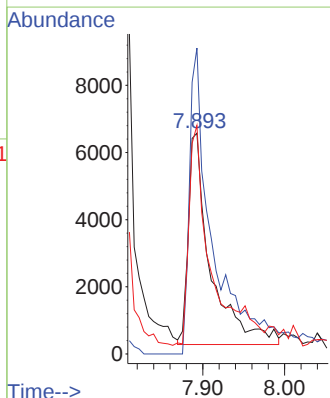
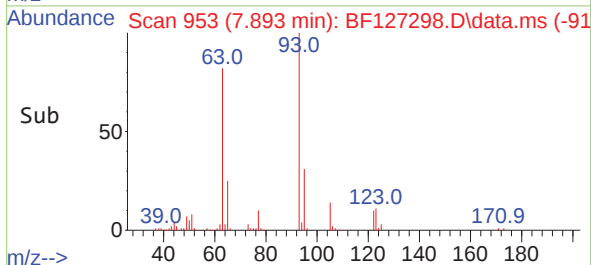
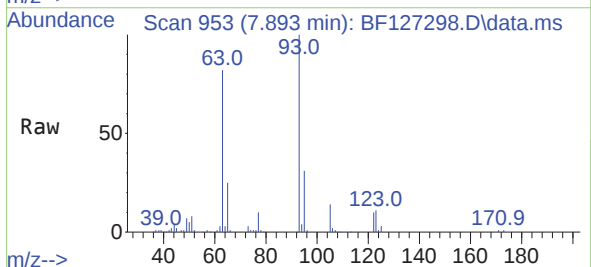
Manual Integrations
APPROVED

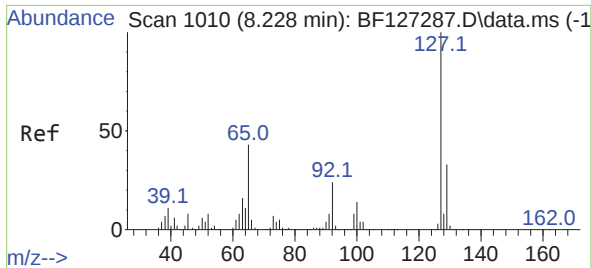
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#32
Benzoic acid
Concen: 4.132 ng m
RT: 7.893 min Scan# 953
Delta R.T. -0.047 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

Tgt Ion:122 Resp: 12001
Ion Ratio Lower Upper
122 100
105 138.5 101.0 141.0
77 103.5 74.5 114.5





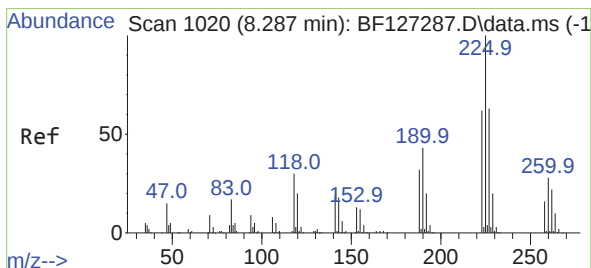
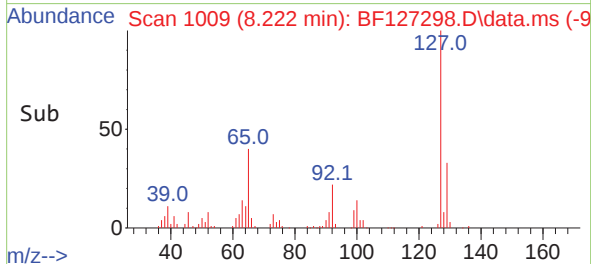
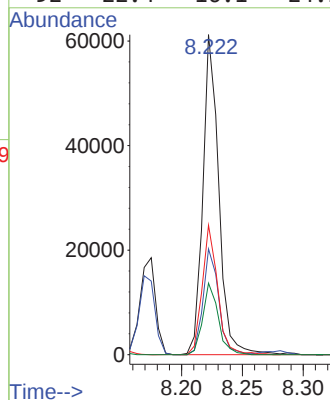
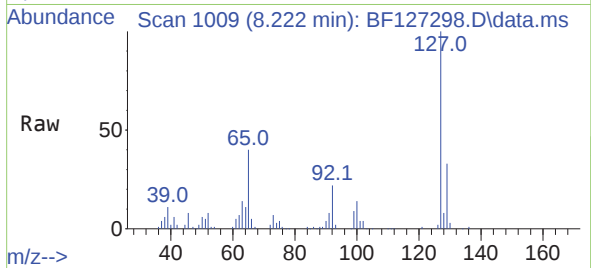
#33
4-Chloroaniline
Concen: 8.214 ng
RT: 8.222 min Scan# 1010
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

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

Tgt Ion:127	Resp: 5583
Ion Ratio	Lower Upper
127 100	
129 33.1	26.5 39.7
65 40.4	26.6 39.8
92 22.4	16.1 24.1

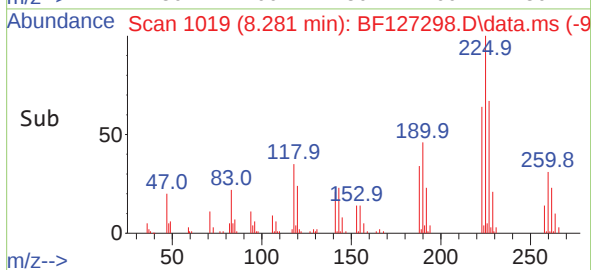
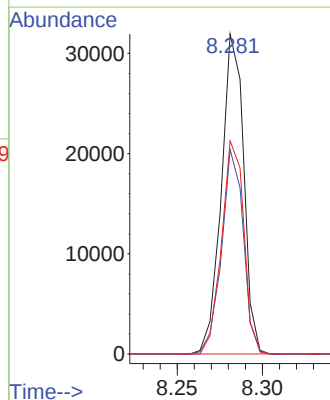
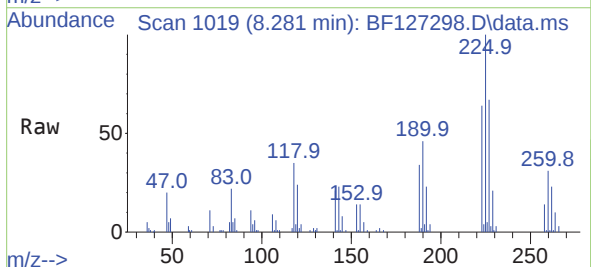
Manual Integrations
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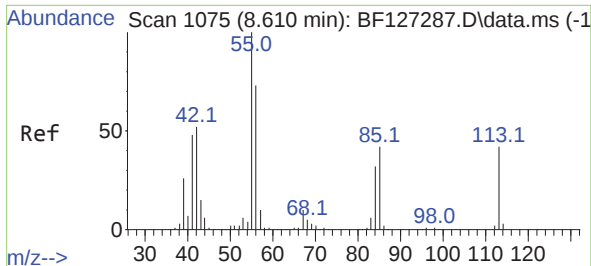
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#34
Hexachlorobutadiene
Concen: 7.128 ng
RT: 8.281 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

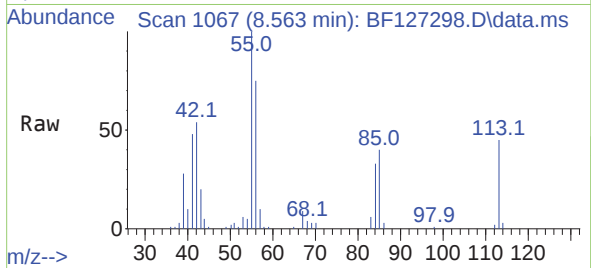
Tgt Ion:225	Resp: 29046
Ion Ratio	Lower Upper
225 100	
223 63.8	48.6 73.0
227 66.6	51.4 77.0





#35
 Caprolactam
 Concen: 7.010 ng
 RT: 8.563 min Scan# 1075
 Delta R.T. -0.047 min
 Lab File: BF127298.D
 Acq: 11 Mar 2022 12:24

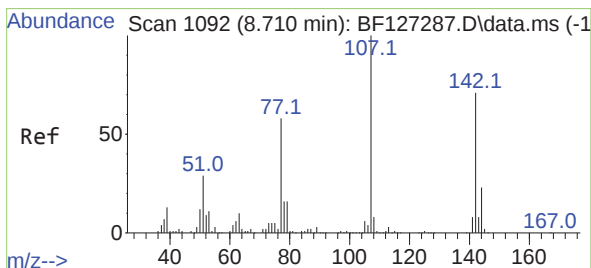
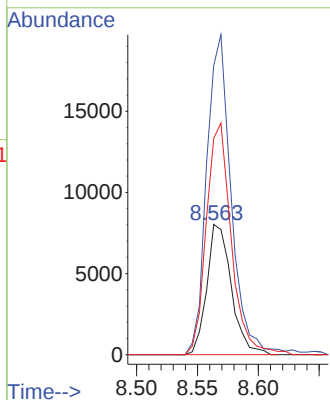
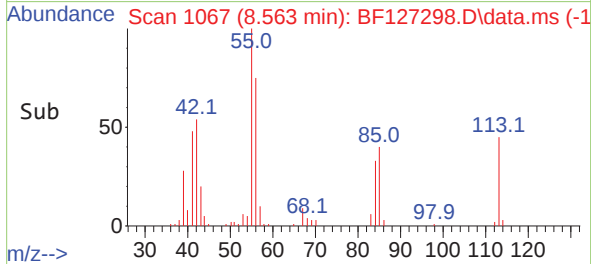
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:113 Resp: 11225
 Ion Ratio Lower Upper
 113 100
 55 222.0 183.9 223.9
 56 166.1 129.9 169.9

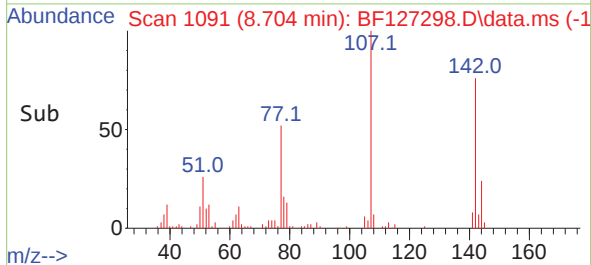
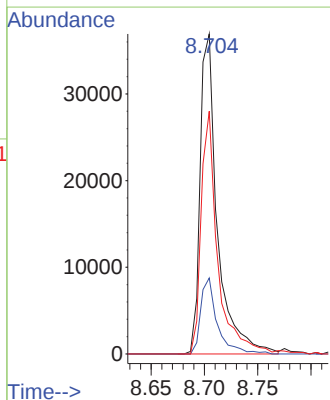
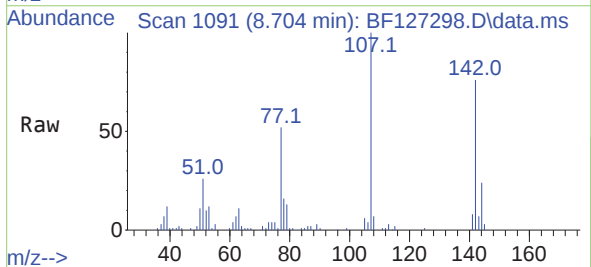
Manual Integrations
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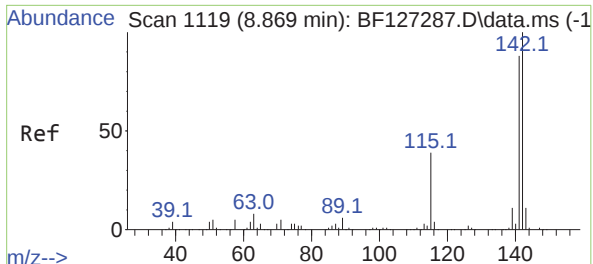
Reviewed By :Christian Giraldo 03/14/2022
 Supervised By :Jagrut Upadhyay 03/14/2022



#36
 4-Chloro-3-methylphenol
 Concen: 7.194 ng
 RT: 8.704 min Scan# 1091
 Delta R.T. -0.006 min
 Lab File: BF127298.D
 Acq: 11 Mar 2022 12:24

Tgt Ion:107 Resp: 41793
 Ion Ratio Lower Upper
 107 100
 144 23.8 18.5 27.7
 142 75.9 58.1 87.1





#37

2-Methylnaphthalene

Concen: 7.682 ng

RT: 8.863 min Scan# 1118

Delta R.T. -0.006 min

Lab File: BF127298.D

Acq: 11 Mar 2022 12:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:142 Resp: 8802

Ion Ratio Lower Upper

142 100

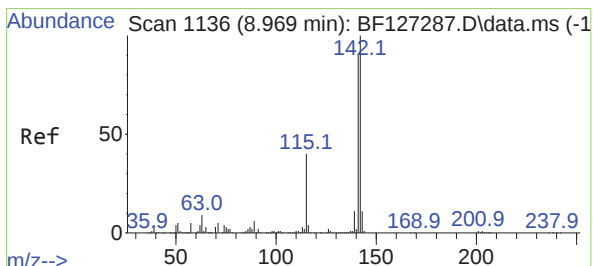
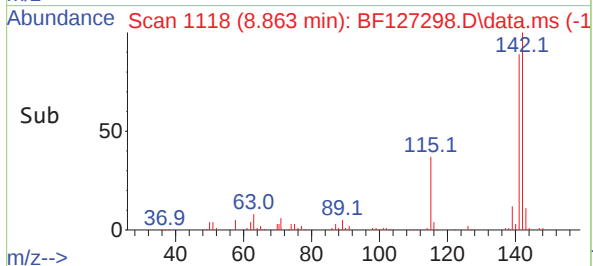
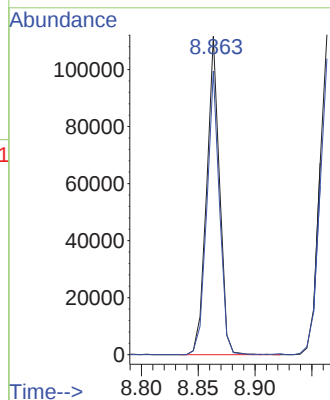
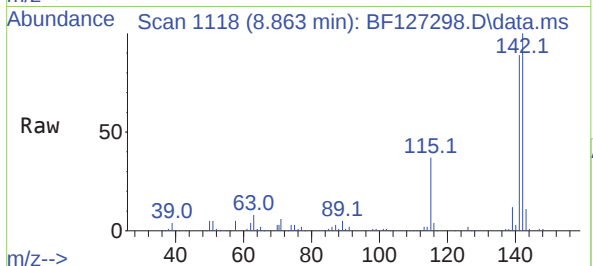
141 89.1 68.6 102.8

Manual Integrations

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Reviewed By :Christian Giraldo 03/14/2022

Supervised By :Jagrut Upadhyay 03/14/2022



#38

1-Methylnaphthalene

Concen: 7.931 ng

RT: 8.963 min Scan# 1135

Delta R.T. -0.006 min

Lab File: BF127298.D

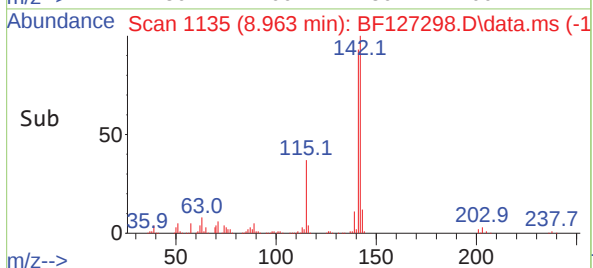
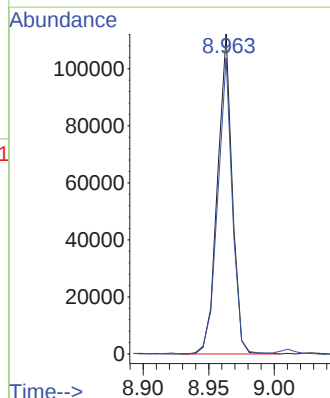
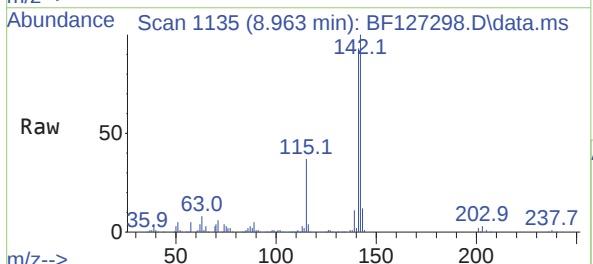
Acq: 11 Mar 2022 12:24

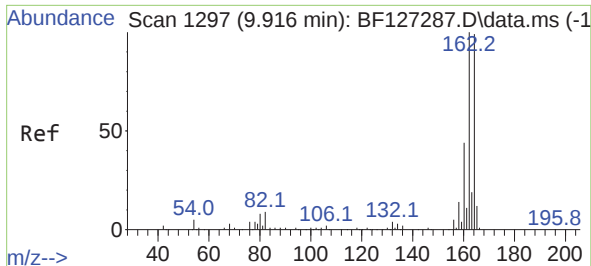
Tgt Ion:142 Resp: 87364

Ion Ratio Lower Upper

142 100

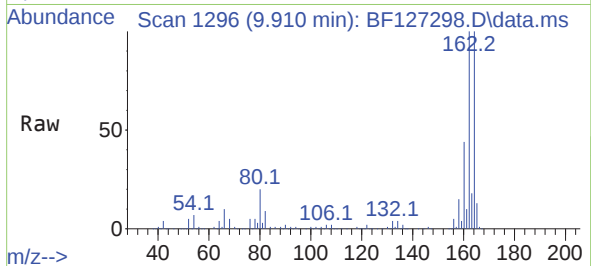
141 92.5 72.1 108.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

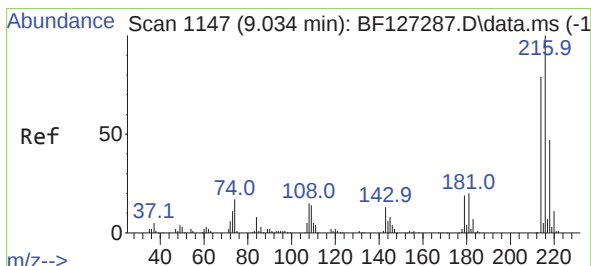
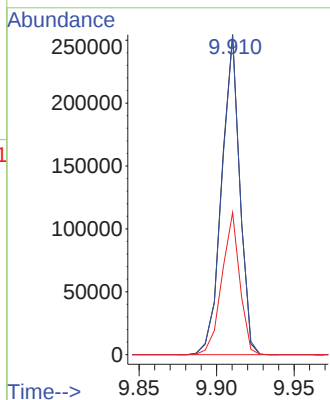
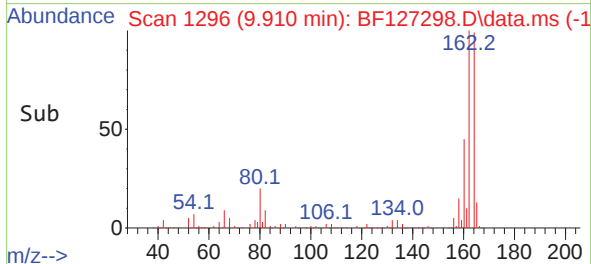
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



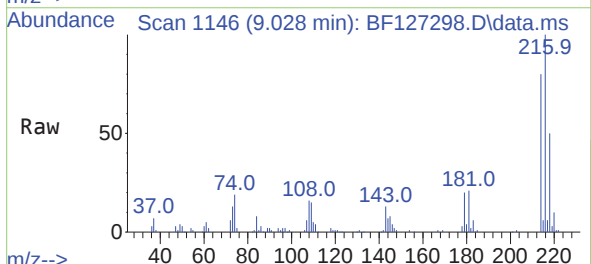
Tgt Ion:164 Resp: 205652
Ion Ratio Lower Upper
164 100
162 99.7 81.4 122.0
160 44.4 36.6 54.8

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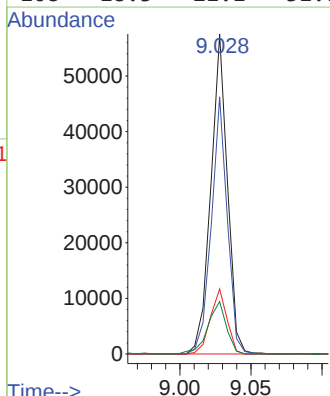
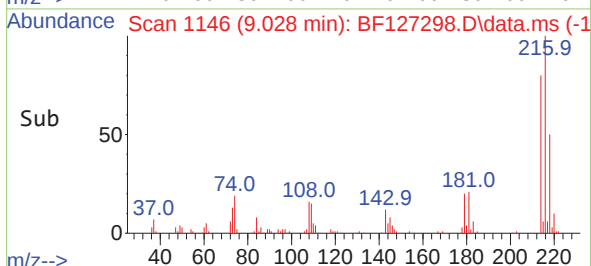
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

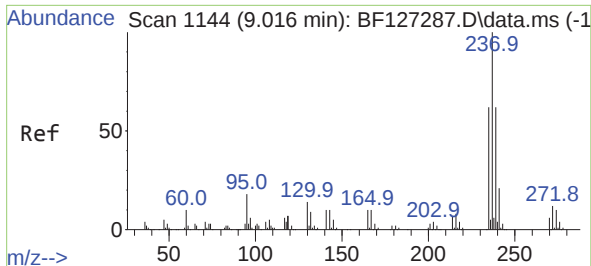


#40
1,2,4,5-Tetrachlorobenzene
Concen: 7.172 ng
RT: 9.028 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24



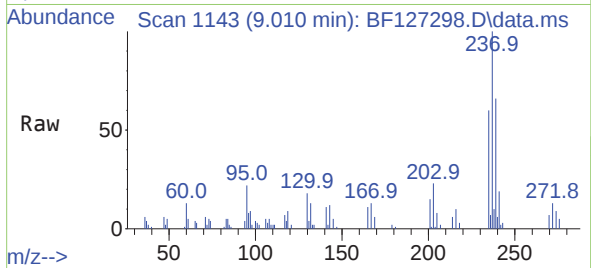
Tgt Ion:216 Resp: 46690
Ion Ratio Lower Upper
216 100
214 77.0 64.6 96.8
179 20.4 19.5 29.3
108 18.3 21.1 31.7#





#41
Hexachlorocyclopentadiene
Concen: 4.636 ng
RT: 9.010 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

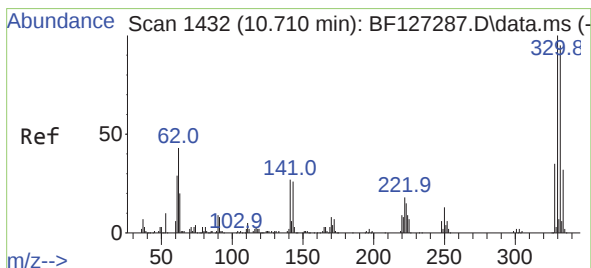
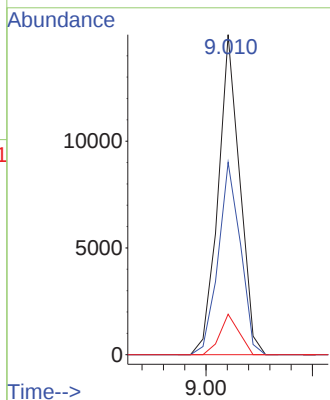
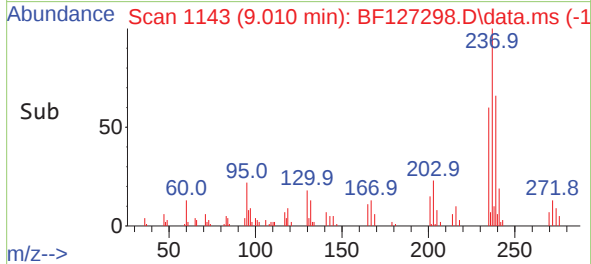
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



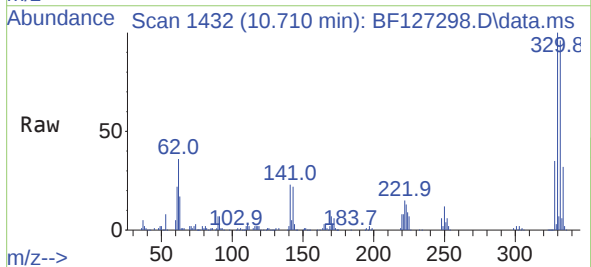
Tgt Ion:237 Resp: 1060
Ion Ratio Lower Upper
237 100
235 60.1 38.9 78.9
272 12.6 0.0 33.5

Manual Integrations
APPROVED

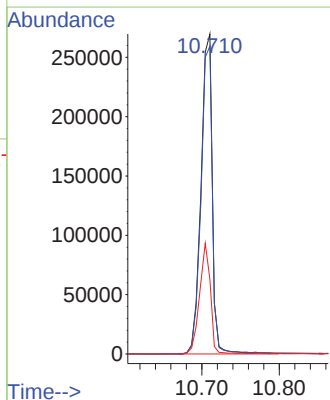
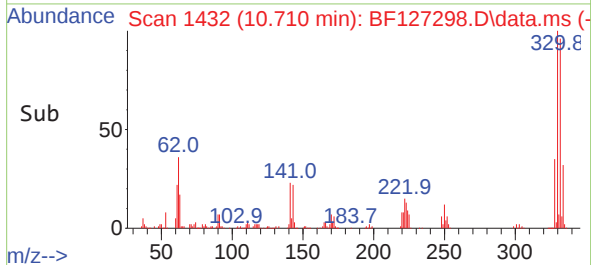
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

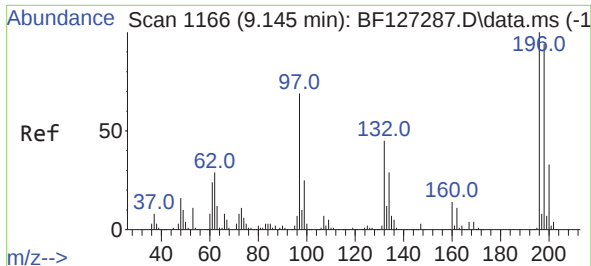


#42
2,4,6-Tribromophenol
Concen: 123.801 ng
RT: 10.710 min Scan# 1432
Delta R.T. 0.000 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24



Tgt Ion:330 Resp: 274074
Ion Ratio Lower Upper
330 100
332 96.7 76.0 114.0
141 33.1 30.1 45.1





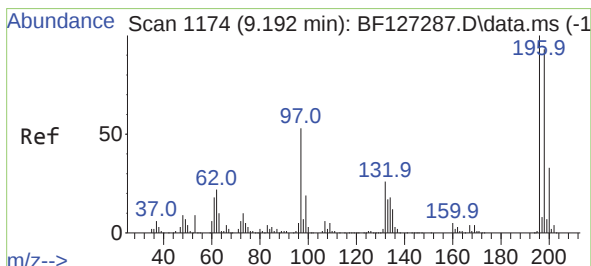
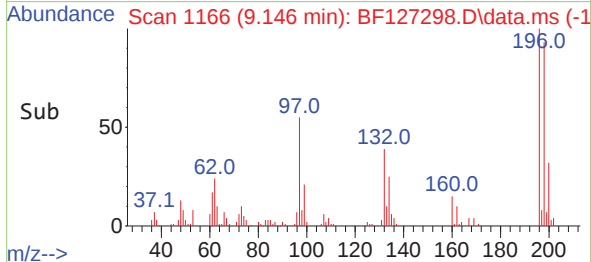
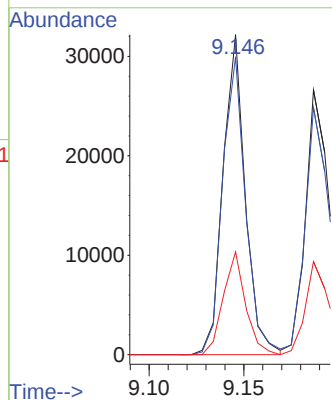
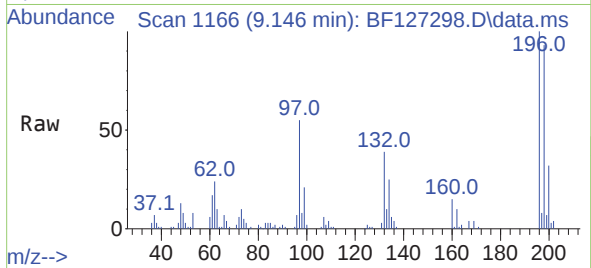
#43
2,4,6-Trichlorophenol
Concen: 6.409 ng
RT: 9.146 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

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

Tgt Ion:196 Resp: 2633
Ion Ratio Lower Upper
196 100
198 93.1 78.5 117.7
200 32.1 24.9 37.3

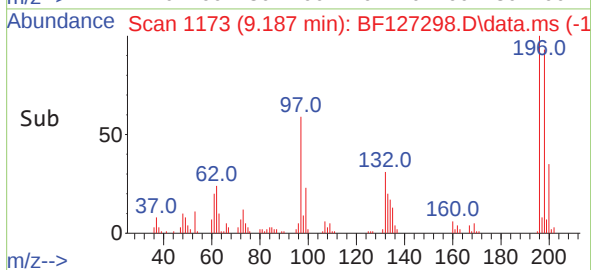
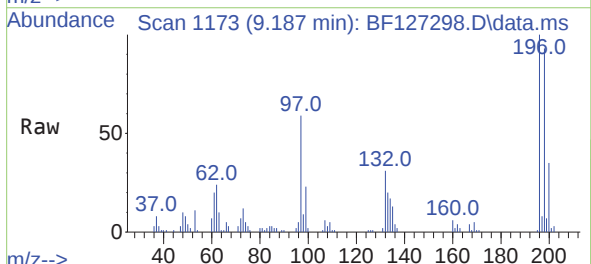
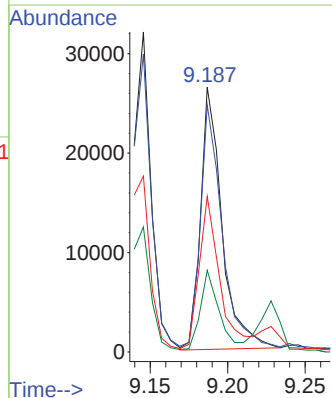
Manual Integrations
APPROVED

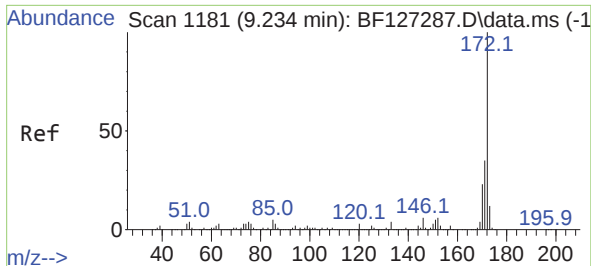
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#44
2,4,5-Trichlorophenol
Concen: 5.807 ng
RT: 9.187 min Scan# 1173
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

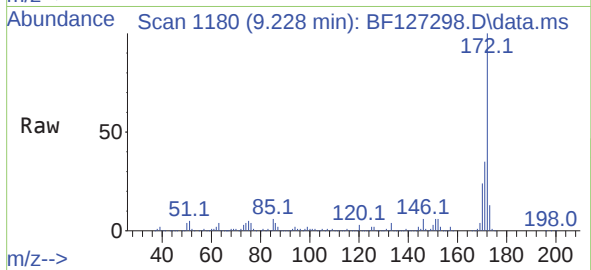
Tgt Ion:196 Resp: 25322
Ion Ratio Lower Upper
196 100
198 93.2 82.0 123.0
97 58.7 53.5 80.3
132 30.8 28.7 43.1





#45
2-Fluorobiphenyl
Concen: 68.972 ng
RT: 9.228 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

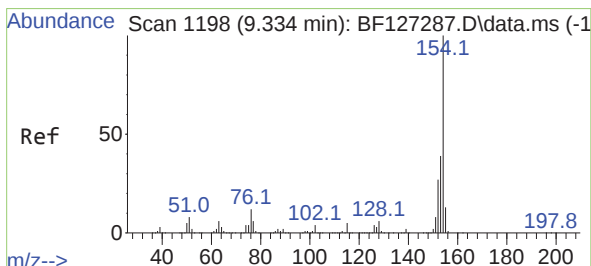
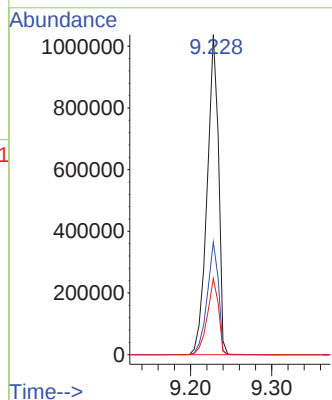
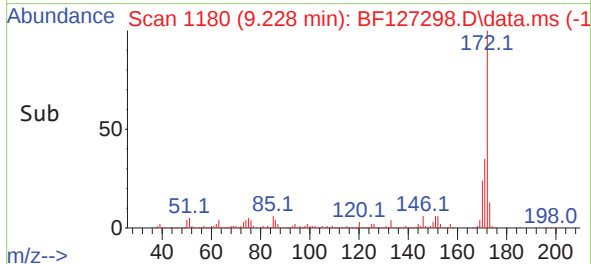
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



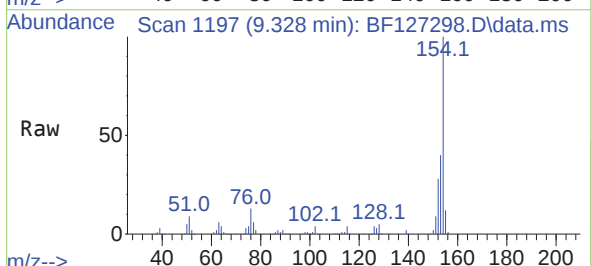
Tgt Ion:172 Resp: 1003270
Ion Ratio Lower Upper
172 100
171 35.2 28.3 42.5
170 23.8 19.0 28.6

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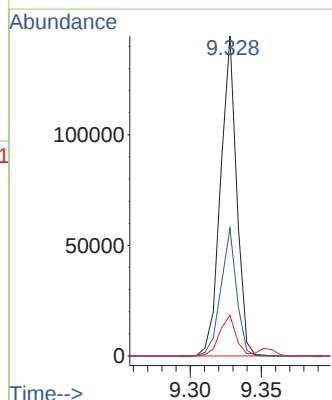
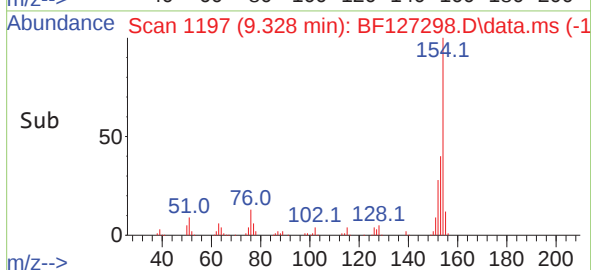
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

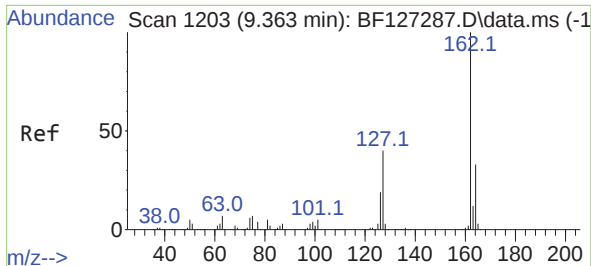


#46
1,1'-Biphenyl
Concen: 7.324 ng
RT: 9.328 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24



Tgt Ion:154 Resp: 113678
Ion Ratio Lower Upper
154 100
153 39.9 19.0 59.0
76 12.8 0.0 34.5





#47

2-Chloronaphthalene

Concen: 7.064 ng

RT: 9.357 min Scan# 1203

Delta R.T. -0.006 min

Lab File: BF127298.D

Acq: 11 Mar 2022 12:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022

Tgt Ion: 162 Resp: 8535

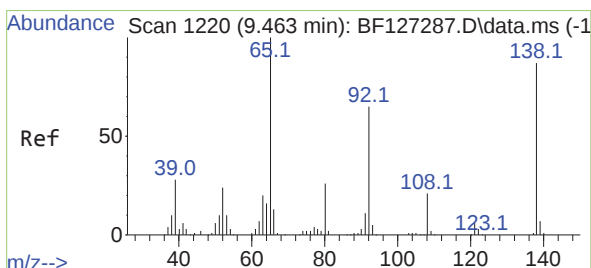
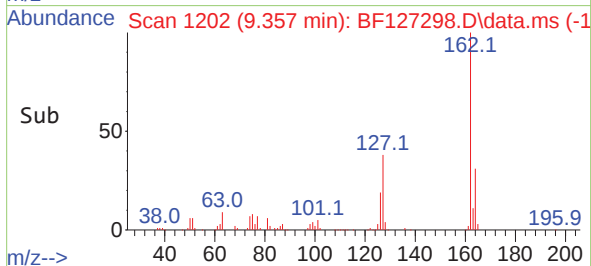
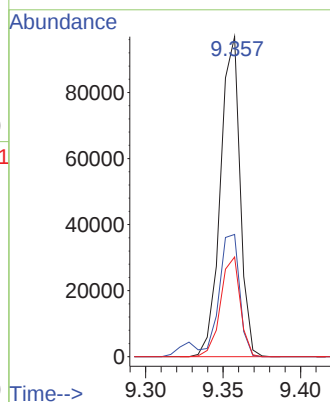
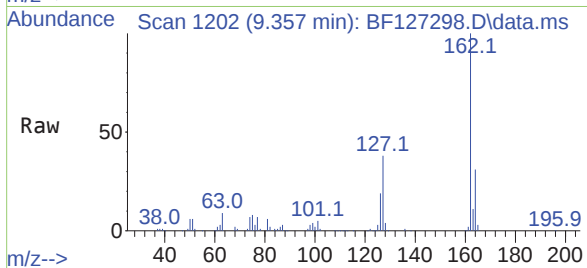
Ion	Ratio	Lower	Upper
162	100		
127	38.2	33.5	50.3
164	31.1	26.2	39.4

Manual Integrations

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Reviewed By : Christian Giraldo 03/14/2022

Supervised By : Jagrut Upadhyay 03/14/2022



#48

2-Nitroaniline

Concen: 6.982 ng

RT: 9.451 min Scan# 1218

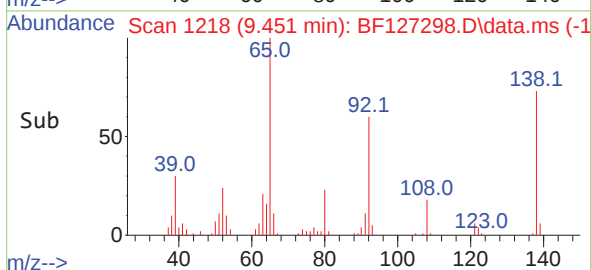
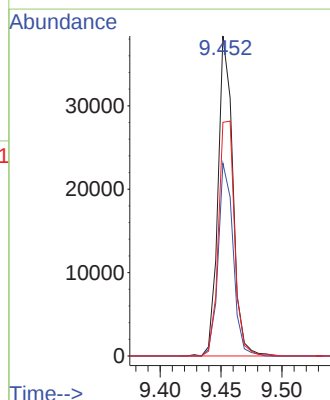
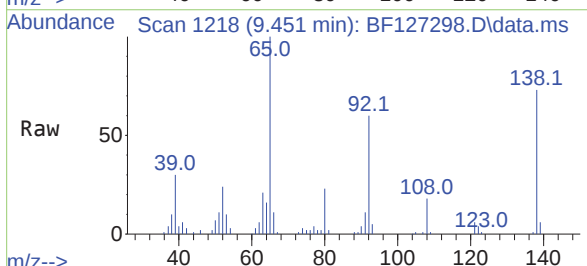
Delta R.T. -0.011 min

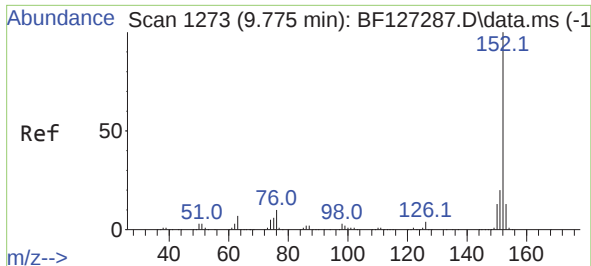
Lab File: BF127298.D

Acq: 11 Mar 2022 12:24

Tgt Ion: 65 Resp: 32457

Ion	Ratio	Lower	Upper
65	100		
92	60.2	54.4	81.6
138	73.0	72.5	108.7





#49

Acenaphthylene

Concen: 7.294 ng

RT: 9.769 min Scan# 1272

Delta R.T. -0.006 min

Lab File: BF127298.D

Acq: 11 Mar 2022 12:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:152 Resp: 134872

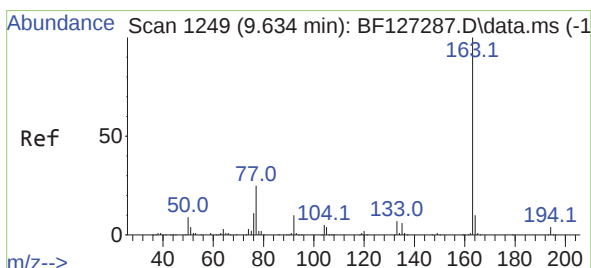
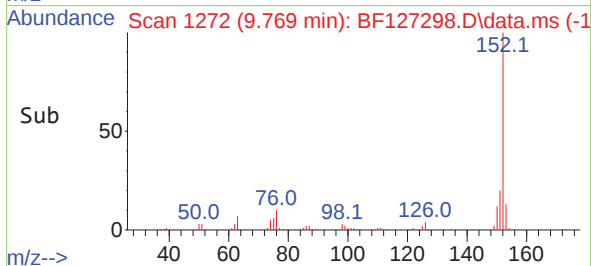
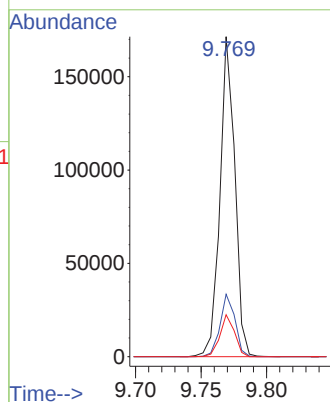
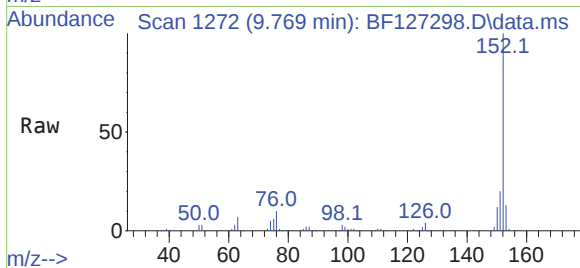
Ion	Ratio	Lower	Upper
152	100		
151	19.5	15.7	23.5
153	13.1	11.4	17.0

Manual Integrations

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Reviewed By :Christian Giraldo 03/14/2022

Supervised By :Jagrut Upadhyay 03/14/2022



#50

Dimethylphthalate

Concen: 6.727 ng

RT: 9.622 min Scan# 1247

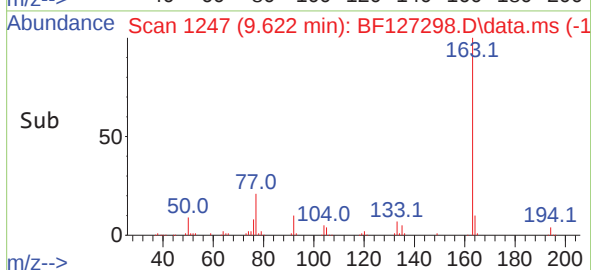
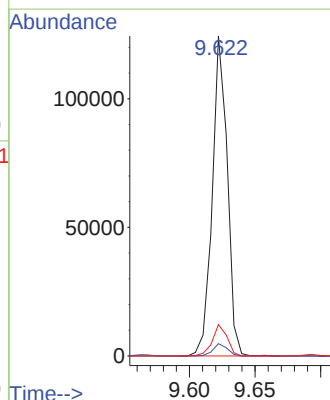
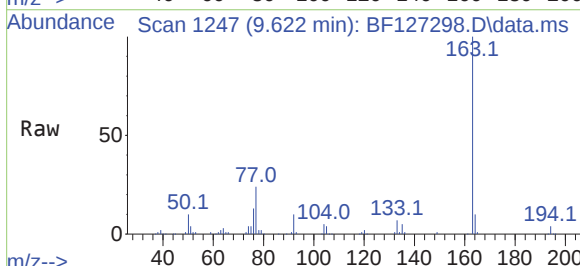
Delta R.T. -0.011 min

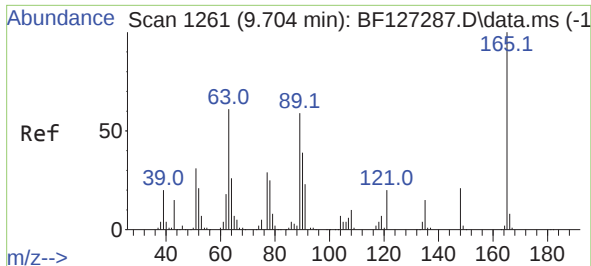
Lab File: BF127298.D

Acq: 11 Mar 2022 12:24

Tgt Ion:163 Resp: 99136

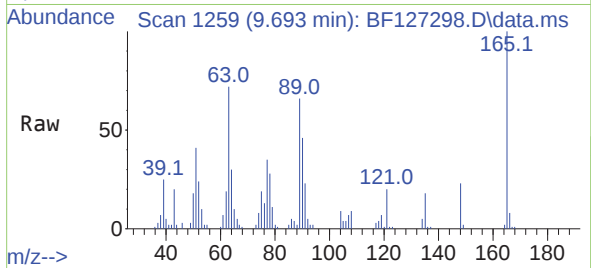
Ion	Ratio	Lower	Upper
163	100		
194	3.9	2.6	3.8#
164	9.8	7.8	11.8





#51
2,6-Dinitrotoluene
Concen: 6.818 ng
RT: 9.693 min Scan# 11
Delta R.T. -0.011 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

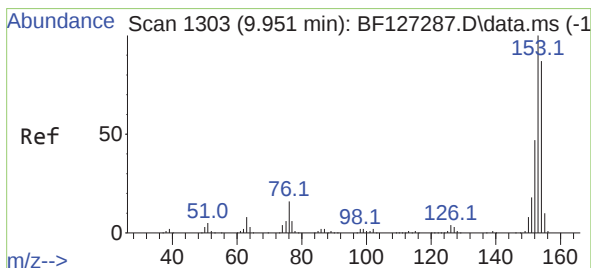
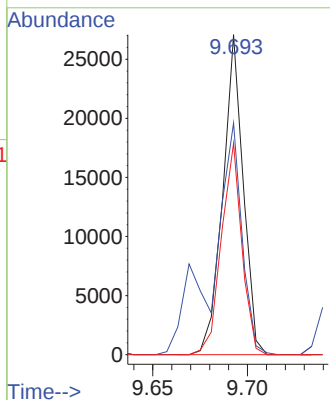
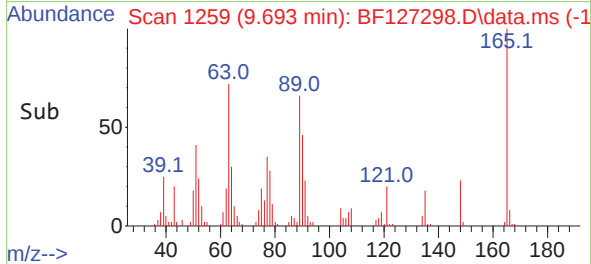
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



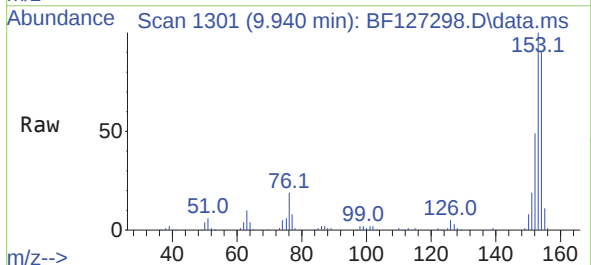
Tgt Ion:165 Resp: 2032
Ion Ratio Lower Upper
165 100
63 72.4 48.4 72.6
89 66.1 50.5 75.7

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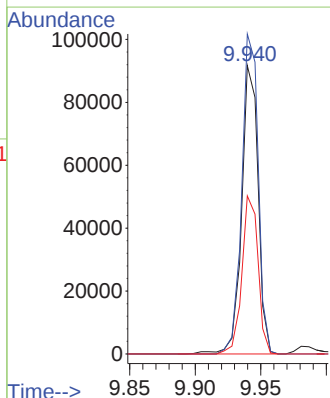
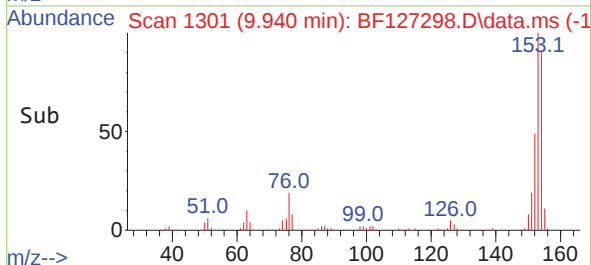
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

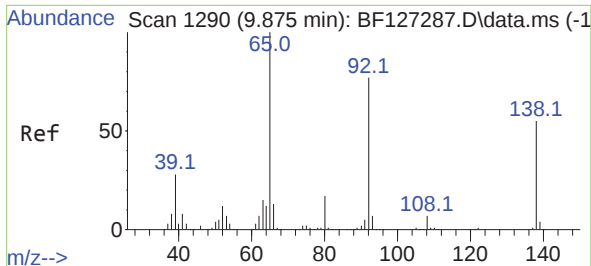


#52
Acenaphthene
Concen: 7.270 ng
RT: 9.940 min Scan# 1301
Delta R.T. -0.011 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24



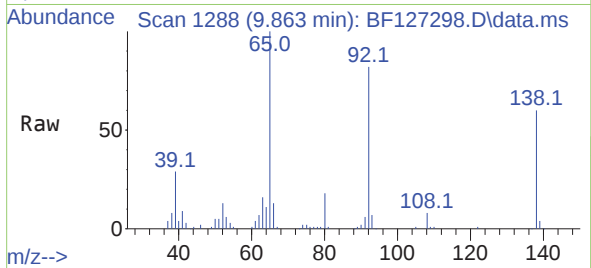
Tgt Ion:154 Resp: 80129
Ion Ratio Lower Upper
154 100
153 111.0 87.8 131.6
152 54.8 39.4 59.2





#53
3-Nitroaniline
Concen: 6.989 ng
RT: 9.863 min Scan# 1290
Delta R.T. -0.011 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

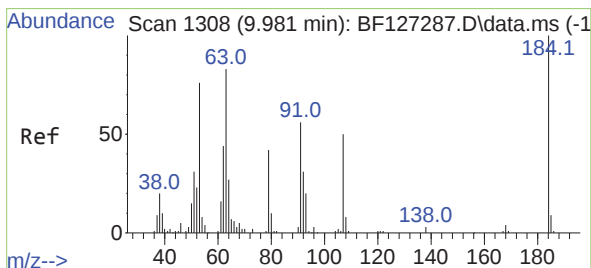
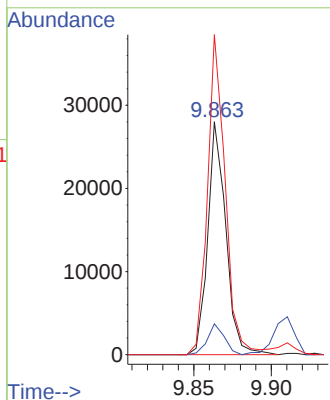
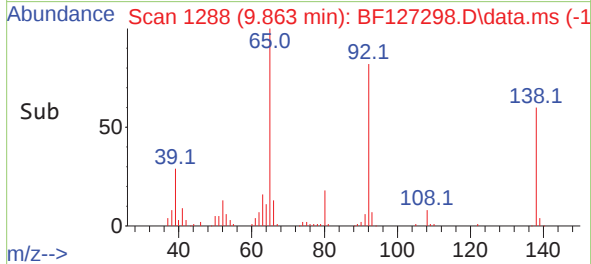
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:138 Resp: 2270
Ion Ratio Lower Upper
138 100
108 13.3 8.6 13.0
92 137.3 105.0 157.6

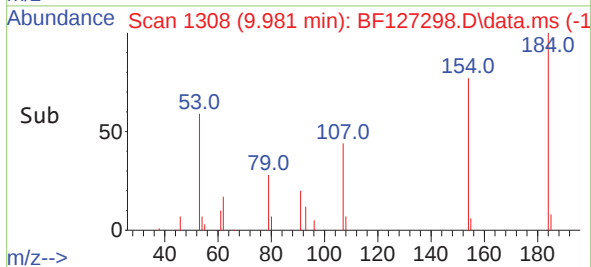
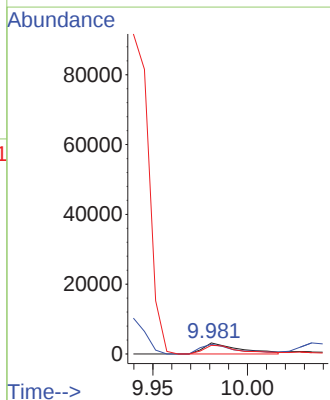
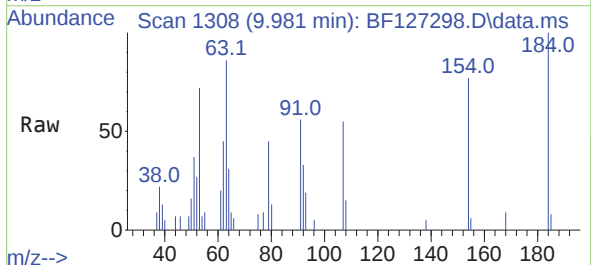
Manual Integrations
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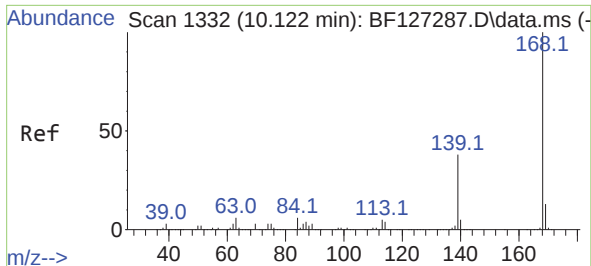
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#54
2,4-Dinitrophenol
Concen: 2.838 ng
RT: 9.981 min Scan# 1308
Delta R.T. -0.000 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

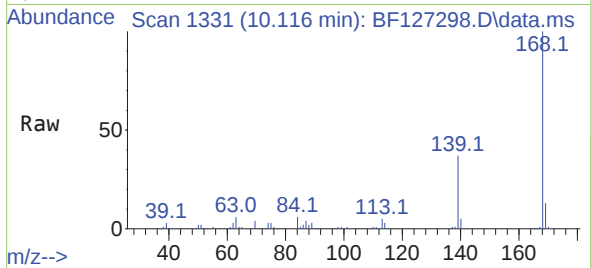
Tgt Ion:184 Resp: 4168
Ion Ratio Lower Upper
184 100
63 86.0 70.4 105.6
154 77.5 49.7 74.5





#55
Dibenzofuran
Concen: 6.963 ng
RT: 10.116 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

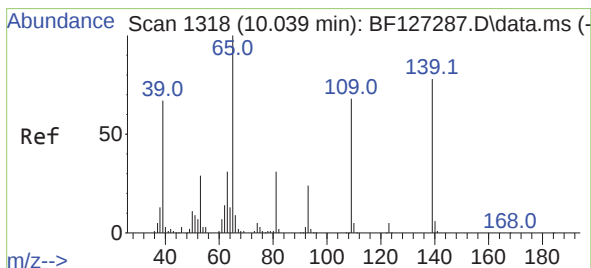
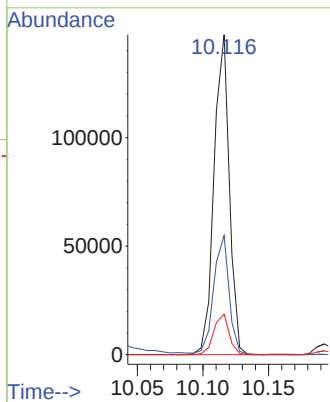
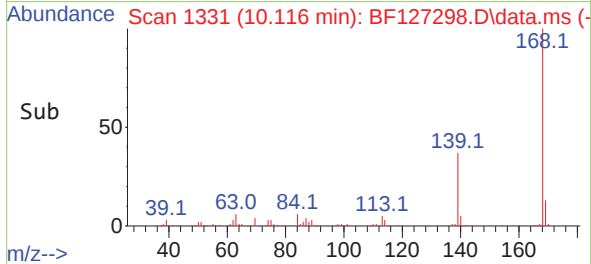
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:168 Resp: 11923
Ion Ratio Lower Upper
168 100
139 37.2 30.6 46.0
169 12.7 10.0 15.0

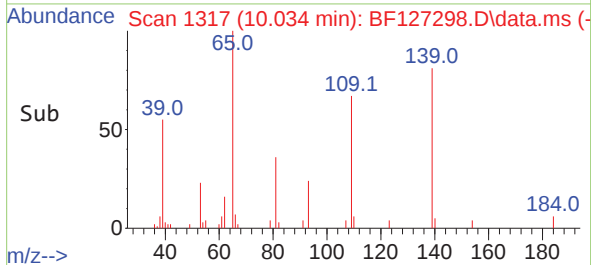
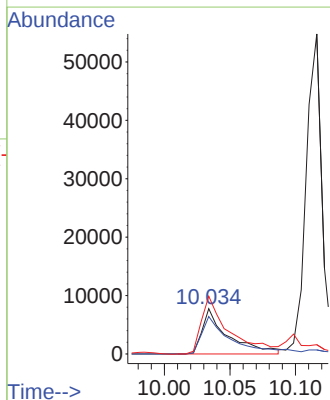
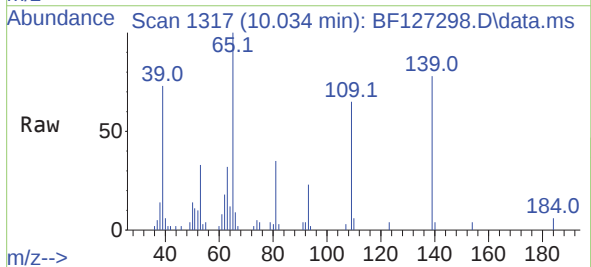
Manual Integrations
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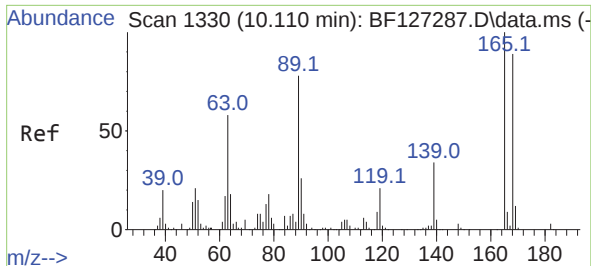
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#56
4-Nitrophenol
Concen: 5.401 ng
RT: 10.034 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

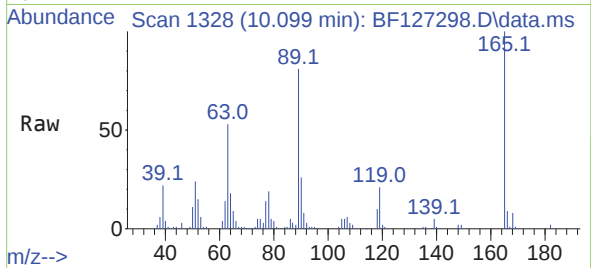
Tgt Ion:139 Resp: 10663
Ion Ratio Lower Upper
139 100
109 82.6 44.1 84.1
65 127.5 85.5 125.5#





#57
2,4-Dinitrotoluene
Concen: 7.202 ng
RT: 10.099 min Scan# 1328
Delta R.T. -0.011 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

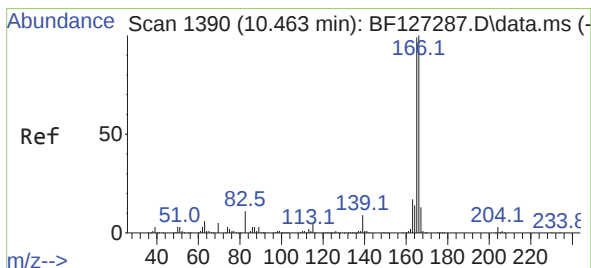
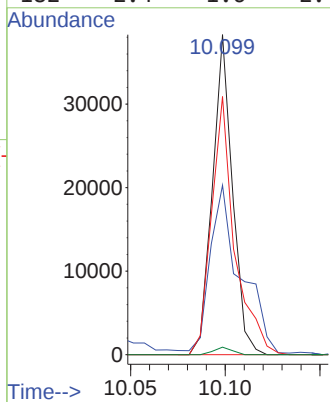
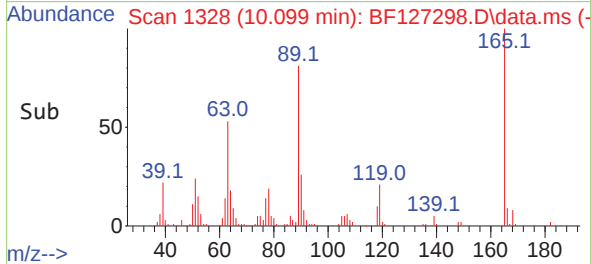
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:165 Resp: 2824
Ion Ratio Lower Upper
165 100
63 52.9 43.0 64.6
89 80.6 71.0 106.4
182 2.4 1.6 2.4

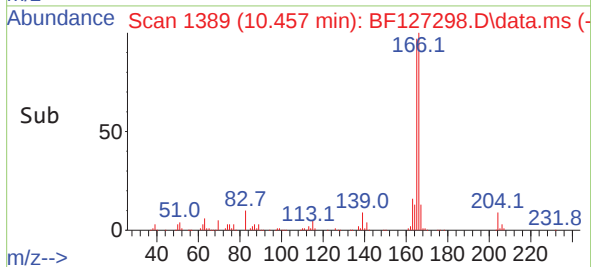
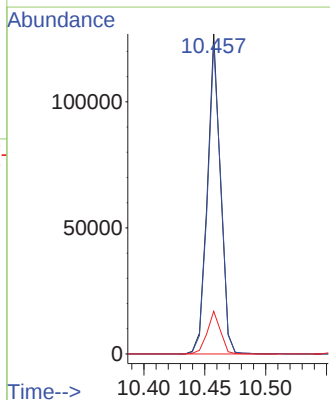
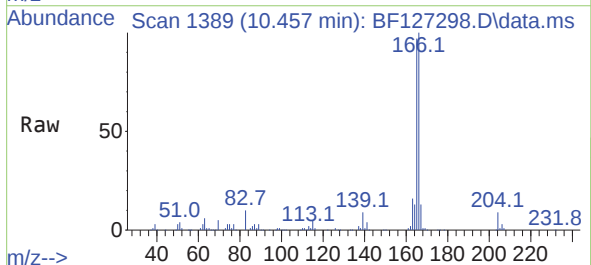
Manual Integrations
APPROVED

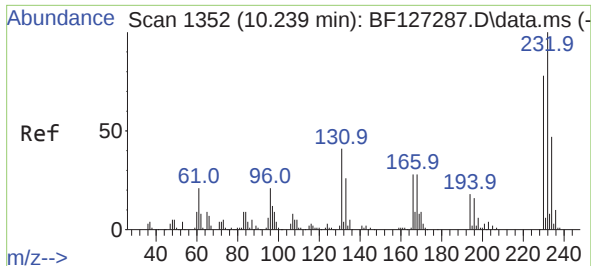
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#58
Fluorene
Concen: 7.125 ng
RT: 10.457 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

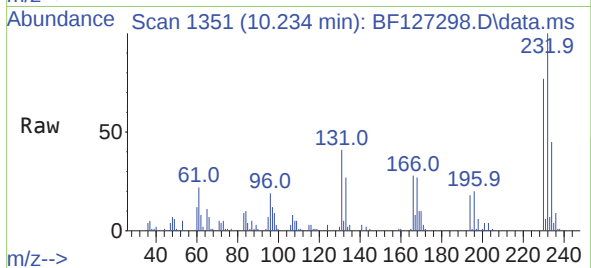
Tgt Ion:166 Resp: 94597
Ion Ratio Lower Upper
166 100
165 96.7 77.7 116.5
167 13.4 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 6.049 ng
RT: 10.234 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

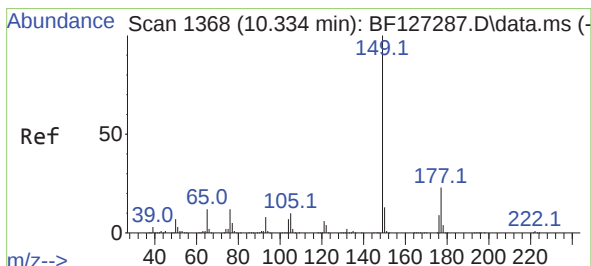
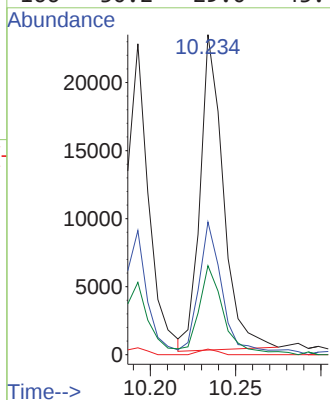
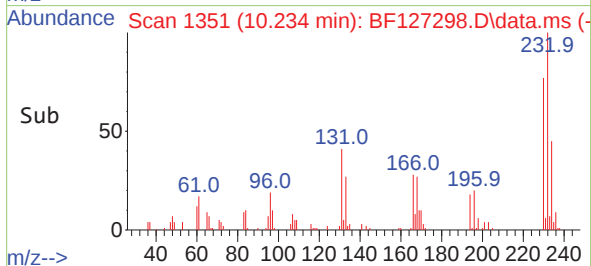
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:232 Resp: 2192
Ion Ratio Lower Upper
232 100
131 44.1 50.0 75.0
130 1.4 2.2 3.2
166 30.2 29.0 43.4

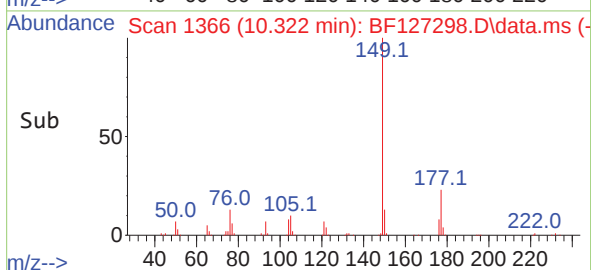
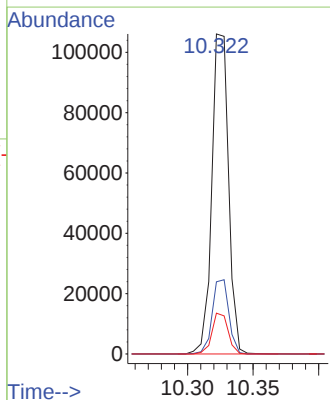
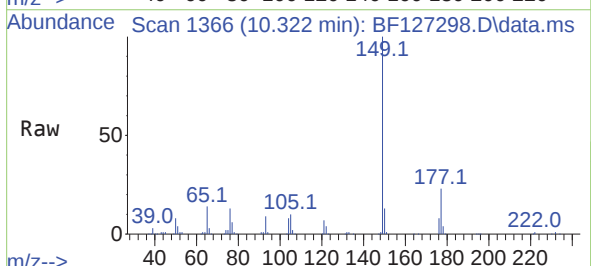
Manual Integrations
APPROVED

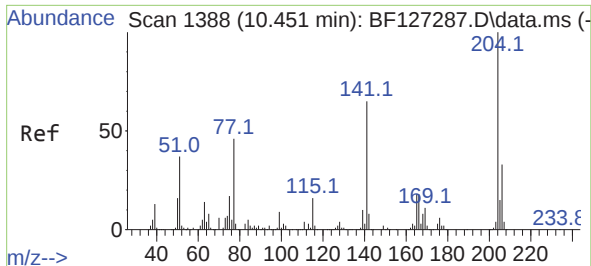
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#60
Diethylphthalate
Concen: 7.006 ng
RT: 10.322 min Scan# 1366
Delta R.T. -0.011 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

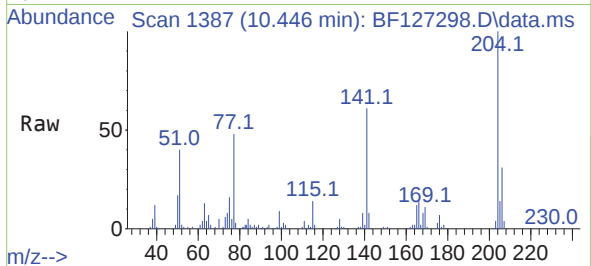
Tgt Ion:149 Resp: 94180
Ion Ratio Lower Upper
149 100
177 22.6 16.7 25.1
150 12.7 9.8 14.8





#61
4-Chlorophenyl-phenylether
Concen: 7.053 ng
RT: 10.446 min Scan# 1388
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

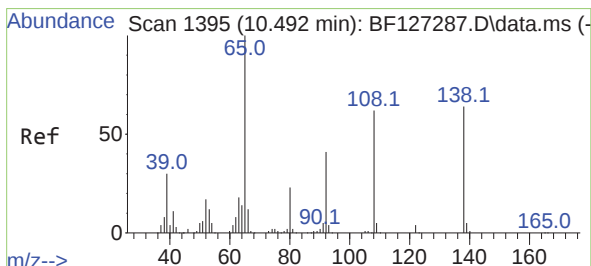
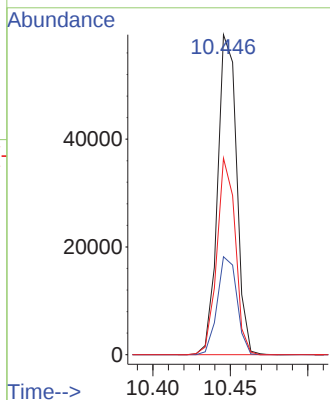
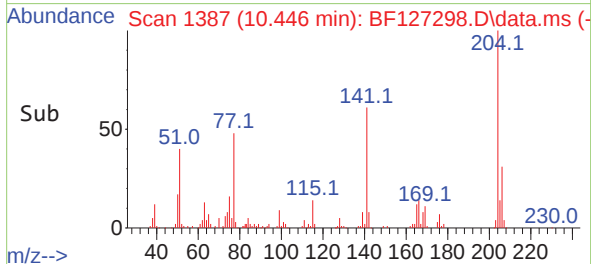
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:204 Resp: 50749
Ion Ratio Lower Upper
204 100
206 30.6 26.3 39.5
141 61.4 59.0 88.6

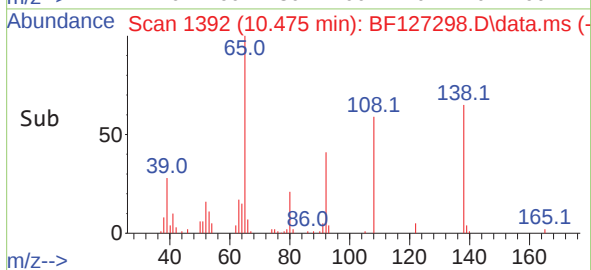
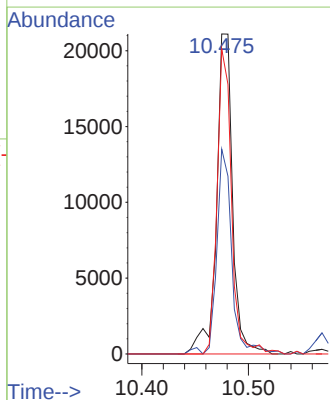
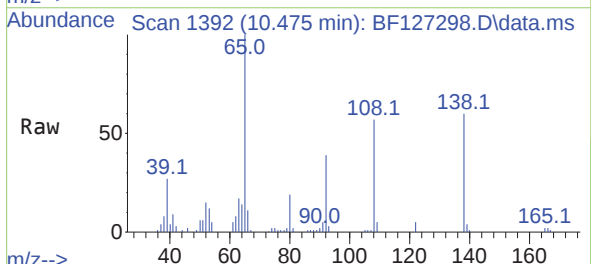
Manual Integrations
APPROVED

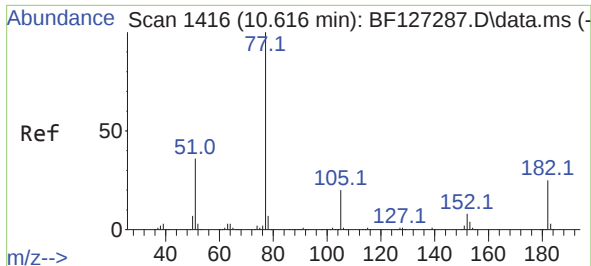
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#62
4-Nitroaniline
Concen: 6.824 ng
RT: 10.475 min Scan# 1392
Delta R.T. -0.017 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

Tgt Ion:138 Resp: 22088
Ion Ratio Lower Upper
138 100
92 64.0 36.2 76.2
108 95.3 46.7 86.7#





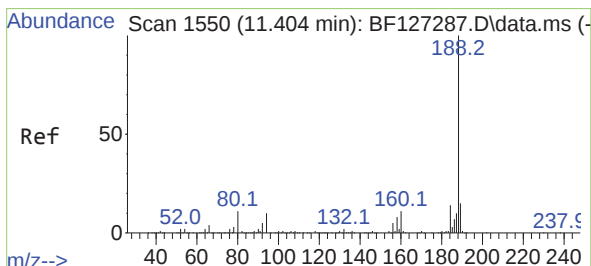
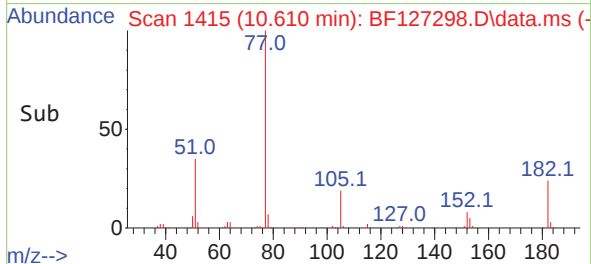
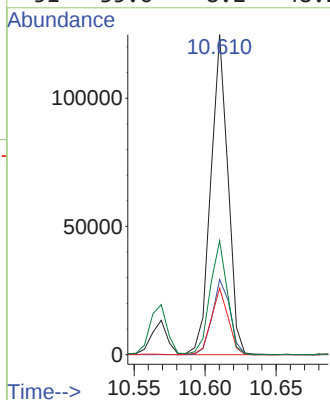
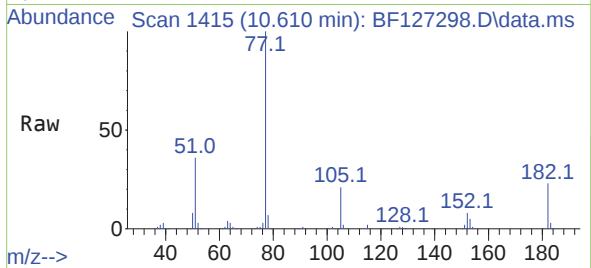
#63
Azobenzene
Concen: 6.760 ng
RT: 10.610 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

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

Tgt Ion: 77 Resp: 10444
Ion Ratio Lower Upper
77 100
182 23.5 0.0 39.0
105 20.8 3.2 43.2
51 35.6 8.2 48.2

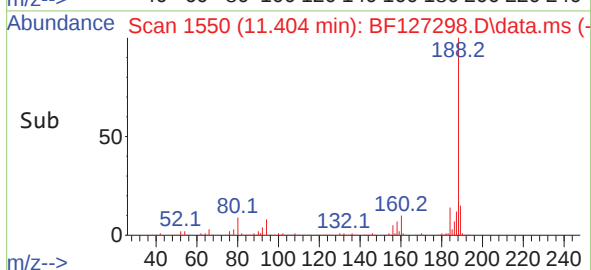
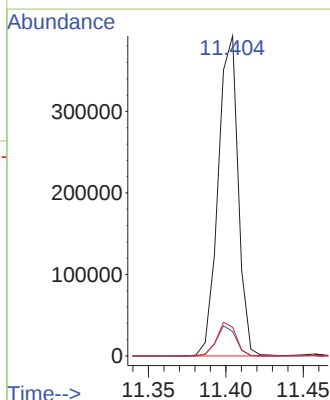
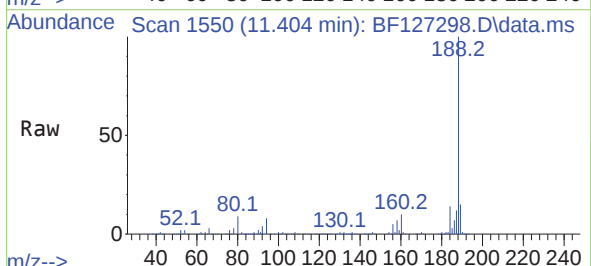
Manual Integrations
APPROVED

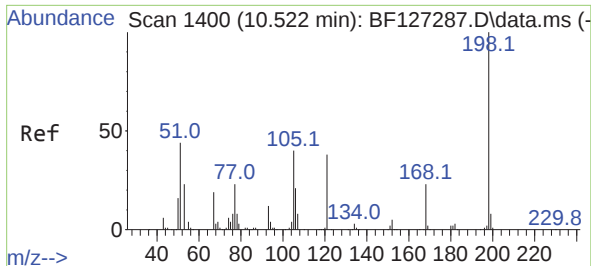
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.404 min Scan# 1550
Delta R.T. 0.000 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

Tgt Ion:188 Resp: 353077
Ion Ratio Lower Upper
188 100
94 7.6 10.1 15.1#
80 9.0 11.8 17.6#





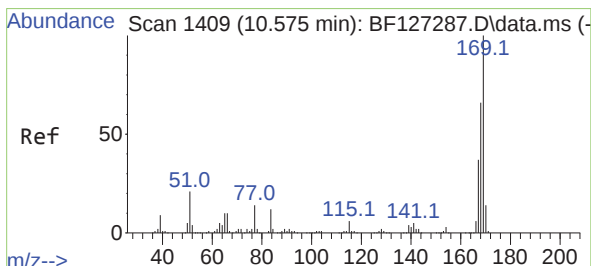
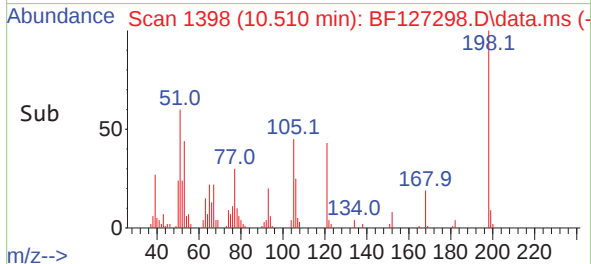
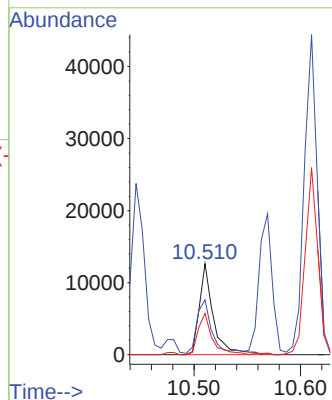
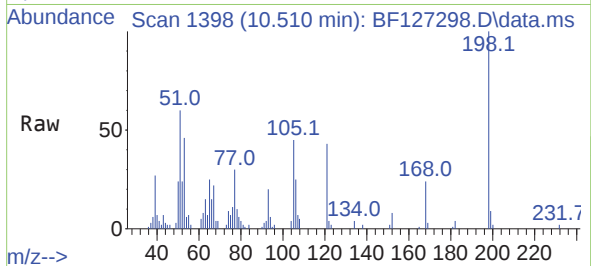
#65
4,6-Dinitro-2-methylphenol
Concen: 5.286 ng
RT: 10.510 min Scan# 1150
Delta R.T. -0.011 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

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

Tgt Ion:198 Resp: 11508
Ion Ratio Lower Upper
198 100
51 60.2 32.0 72.0
105 45.3 32.7 72.7

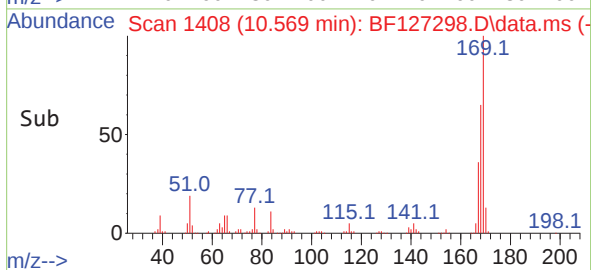
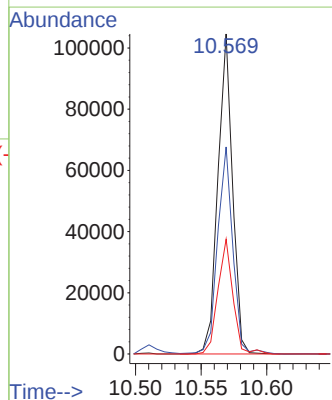
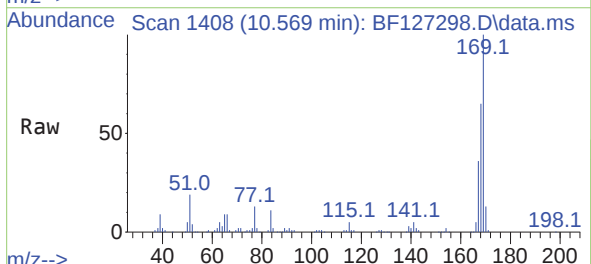
Manual Integrations
APPROVED

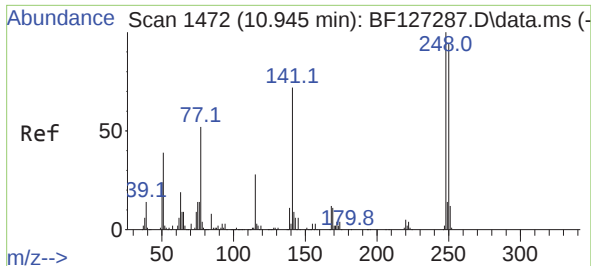
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#66
n-Nitrosodiphenylamine
Concen: 7.381 ng
RT: 10.569 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

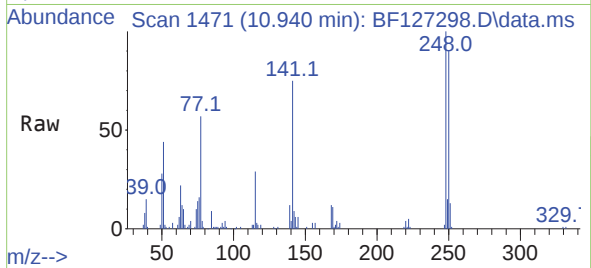
Tgt Ion:169 Resp: 80934
Ion Ratio Lower Upper
169 100
168 64.7 53.4 80.0
167 35.8 29.4 44.0





#67
4-Bromophenyl-phenylether
Concen: 7.093 ng
RT: 10.940 min Scan# 1472
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

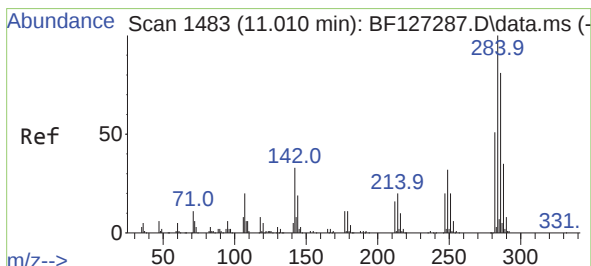
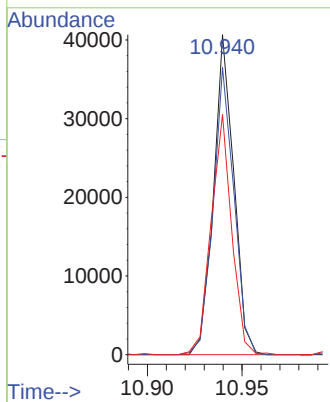
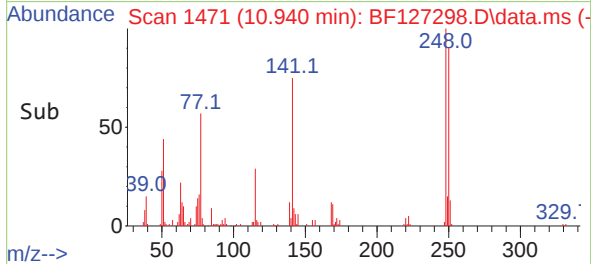
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



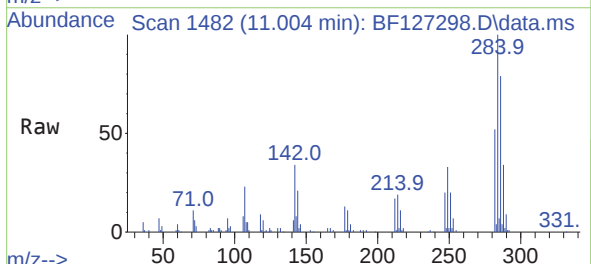
Tgt Ion:248 Resp: 30189
Ion Ratio Lower Upper
248 100
250 89.8 76.2 114.4
141 75.0 66.2 99.4

Manual Integrations
APPROVED

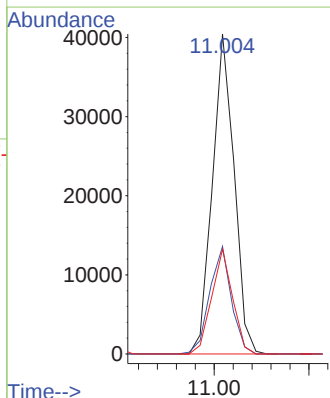
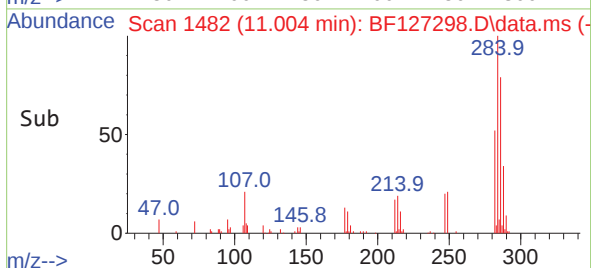
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

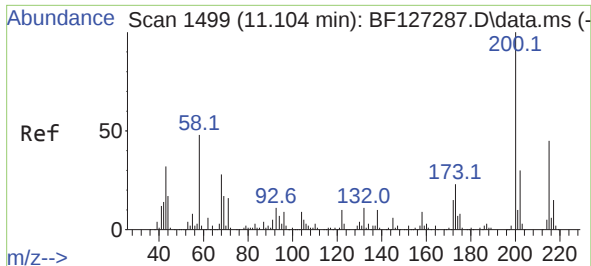


#68
Hexachlorobenzene
Concen: 6.942 ng
RT: 11.004 min Scan# 1482
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24



Tgt Ion:284 Resp: 32201
Ion Ratio Lower Upper
284 100
142 33.6 30.7 46.1
249 32.7 21.1 31.7#





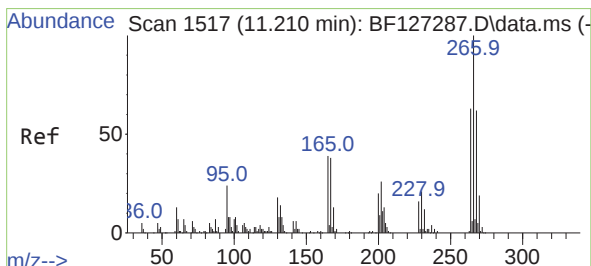
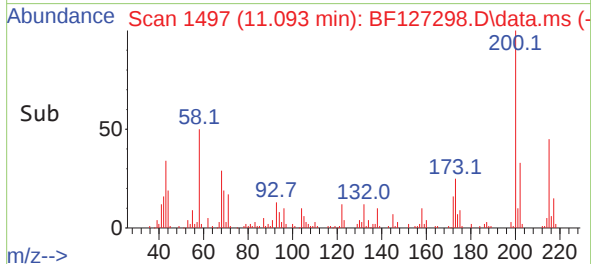
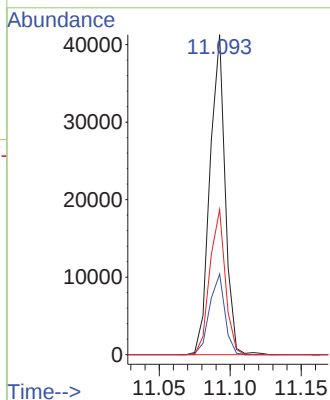
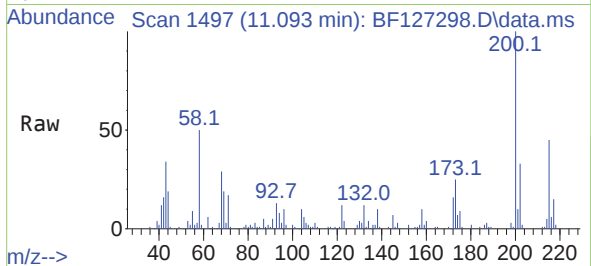
#69
Atrazine
Concen: 8.106 ng
RT: 11.093 min Scan# 1499
Delta R.T. -0.011 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

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

Tgt Ion:200 Resp: 30674
Ion Ratio Lower Upper
200 100
173 25.2 9.2 49.2
215 45.3 23.2 63.2

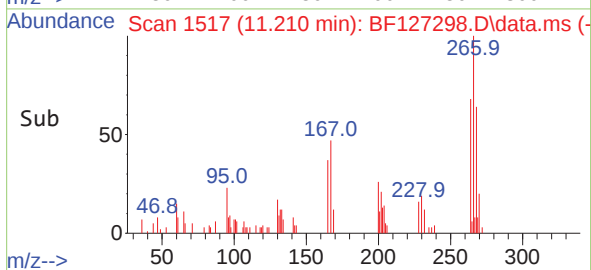
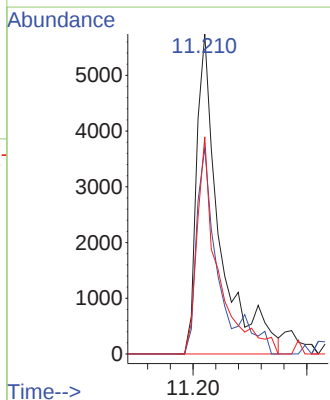
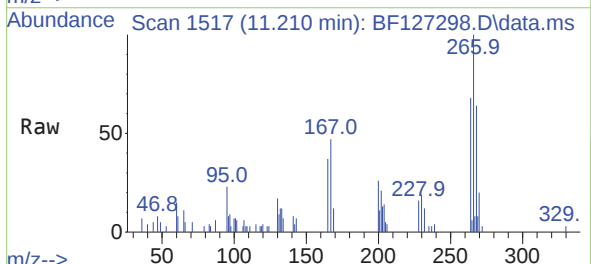
Manual Integrations
APPROVED

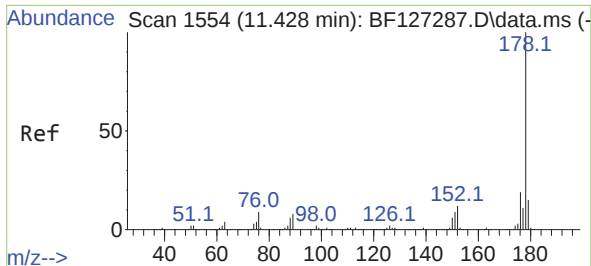
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#70
Pentachlorophenol
Concen: 4.334 ng m
RT: 11.210 min Scan# 1517
Delta R.T. 0.000 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

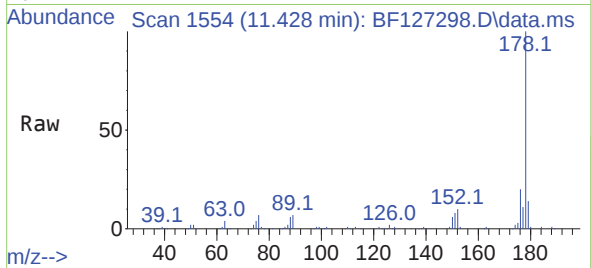
Tgt Ion:266 Resp: 8116
Ion Ratio Lower Upper
266 100
268 64.4 52.3 78.5
264 67.8 50.4 75.6





#71
Phenanthrene
Concen: 7.231 ng
RT: 11.428 min Scan# 1554
Delta R.T. 0.000 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

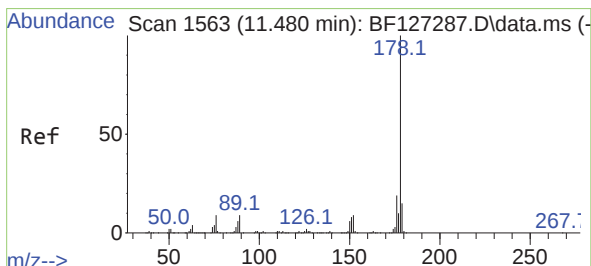
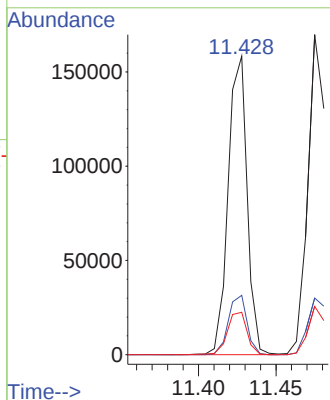
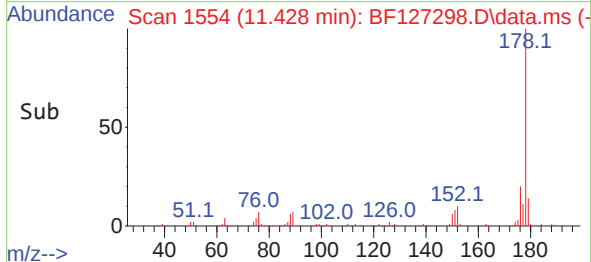
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



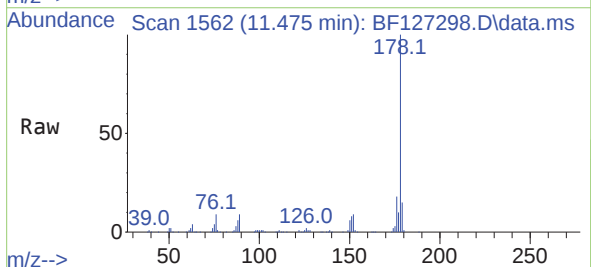
Tgt Ion:178 Resp: 134778
Ion Ratio Lower Upper
178 100
176 19.9 15.7 23.5
179 14.2 12.3 18.5

Manual Integrations
APPROVED

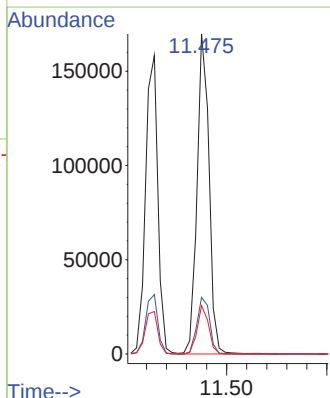
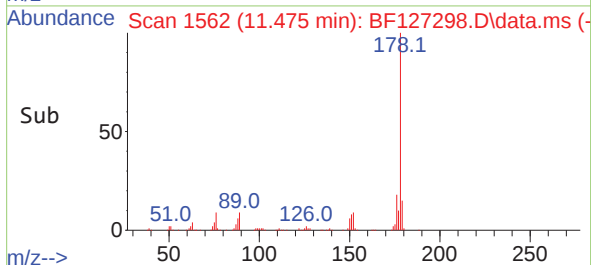
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

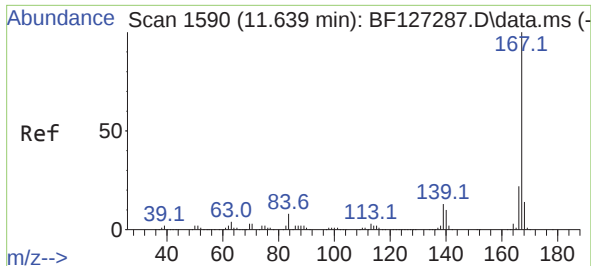


#72
Anthracene
Concen: 7.668 ng
RT: 11.475 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24



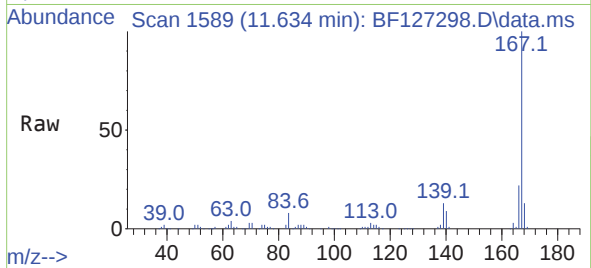
Tgt Ion:178 Resp: 141538
Ion Ratio Lower Upper
178 100
176 17.7 15.0 22.6
179 15.1 12.5 18.7





#73
 Carbazole
 Concen: 7.079 ng
 RT: 11.634 min Scan# 1589
 Delta R.T. -0.006 min
 Lab File: BF127298.D
 Acq: 11 Mar 2022 12:24

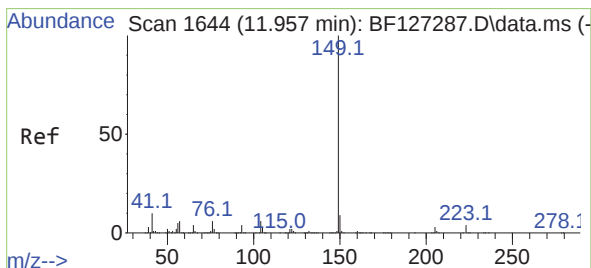
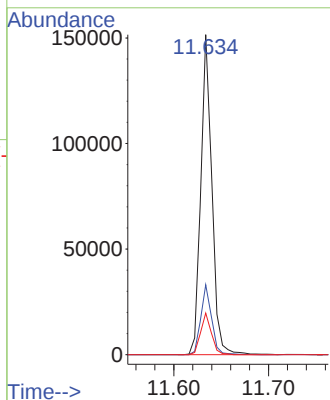
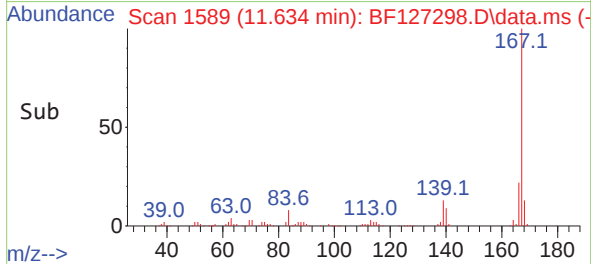
Instrument : BNA_F
 ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



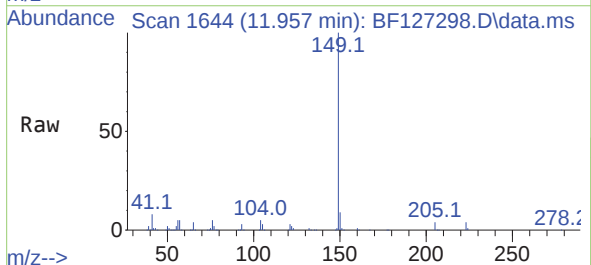
Tgt Ion:167 Resp: 123040
 Ion Ratio Lower Upper
 167 100
 166 21.9 16.9 25.3
 139 13.0 11.3 16.9

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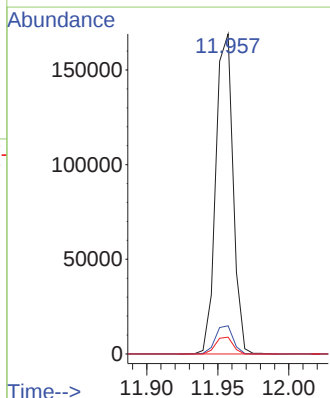
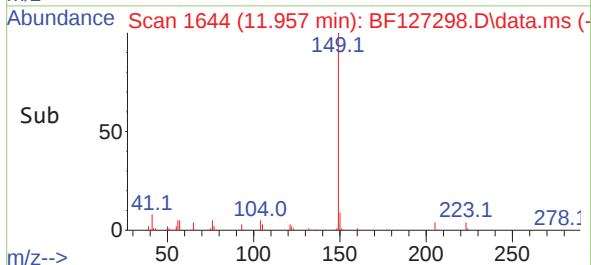
Reviewed By :Christian Giraldo 03/14/2022
 Supervised By :Jagrut Upadhyay 03/14/2022

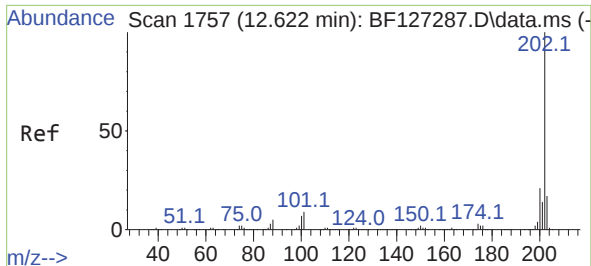


#74
 Di-n-butylphthalate
 Concen: 7.004 ng
 RT: 11.957 min Scan# 1644
 Delta R.T. 0.000 min
 Lab File: BF127298.D
 Acq: 11 Mar 2022 12:24



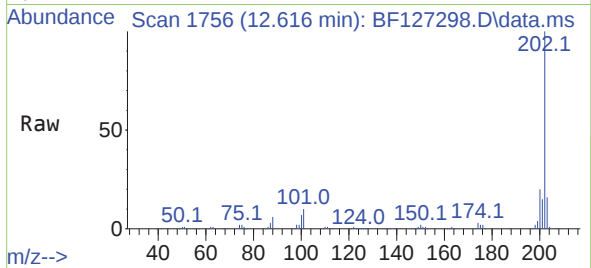
Tgt Ion:149 Resp: 142406
 Ion Ratio Lower Upper
 149 100
 150 8.8 7.2 10.8
 104 5.2 4.2 6.2





#75
Fluoranthene
Concen: 7.478 ng
RT: 12.616 min Scan# 1756
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

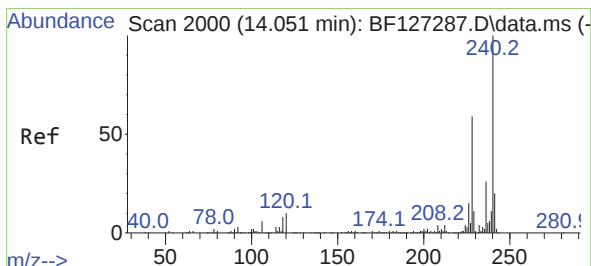
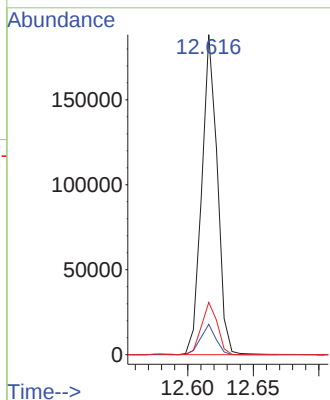
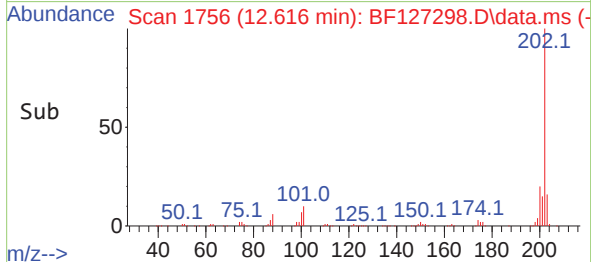
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



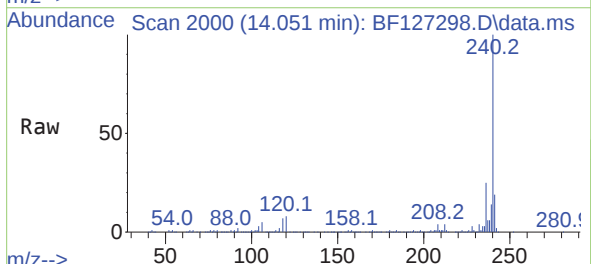
Tgt Ion:202 Resp: 155836
Ion Ratio Lower Upper
202 100
101 9.5 0.0 35.7
203 16.3 0.0 37.1

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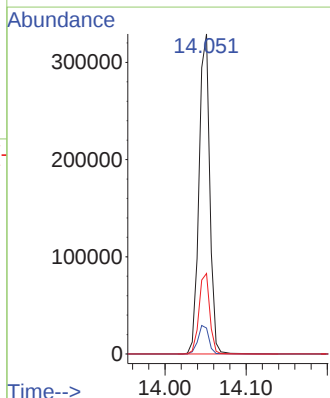
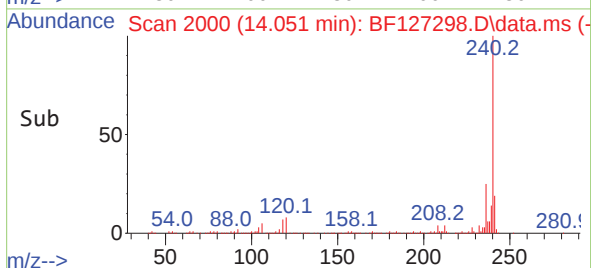
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

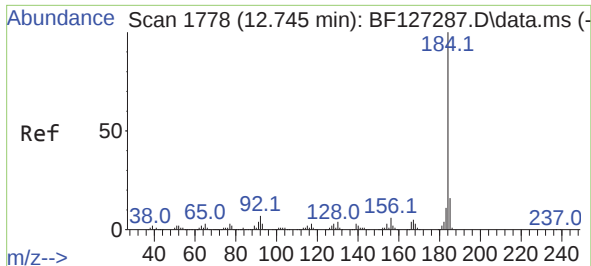


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.051 min Scan# 2000
Delta R.T. 0.000 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24



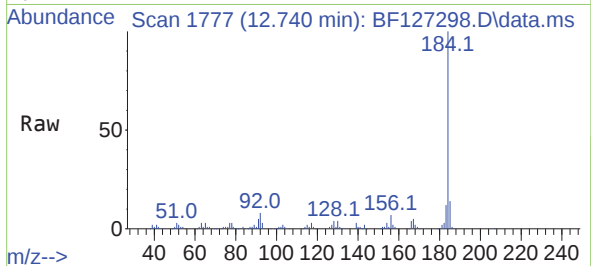
Tgt Ion:240 Resp: 302699
Ion Ratio Lower Upper
240 100
120 8.1 14.4 21.6#
236 25.1 20.5 30.7





#77
Benzidine
Concen: 8.664 ng
RT: 12.740 min Scan# 1778
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

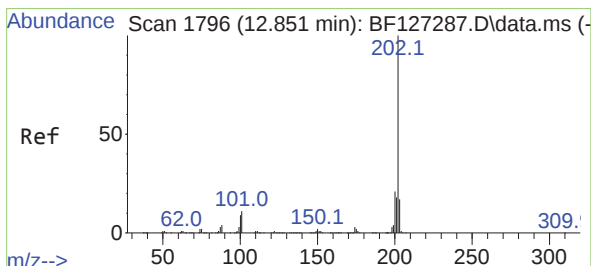
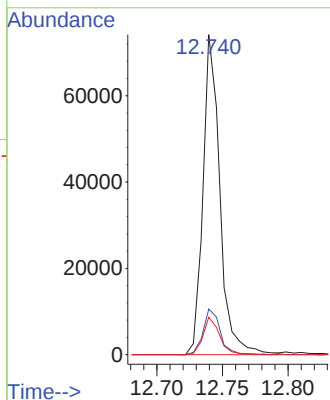
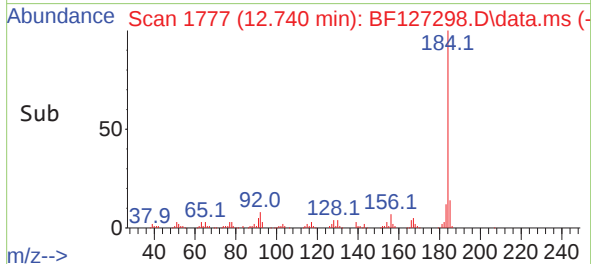
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:184 Resp: 66690
Ion Ratio Lower Upper
184 100
185 14.2 11.8 17.8
183 11.7 8.2 12.2

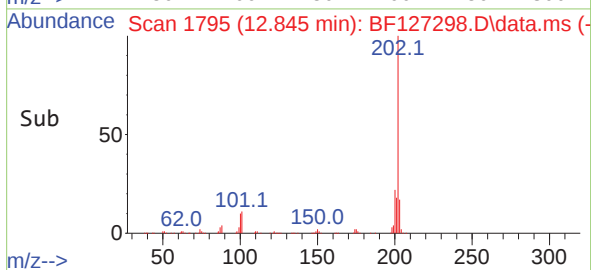
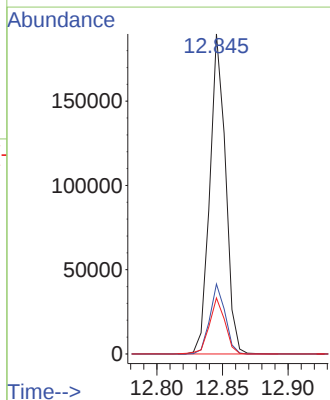
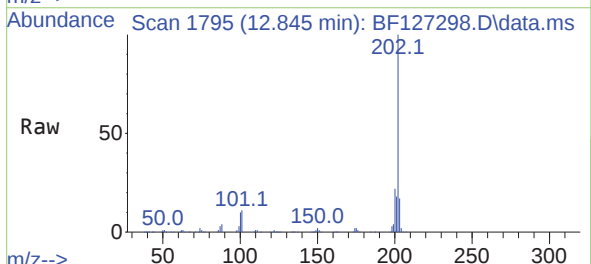
Manual Integrations
APPROVED

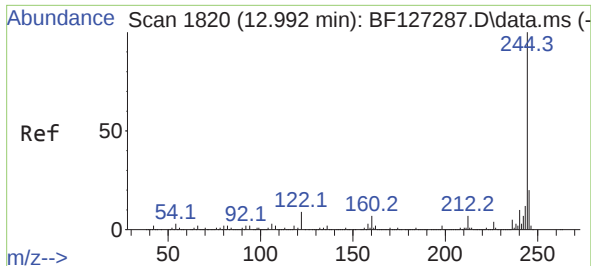
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#78
Pyrene
Concen: 6.735 ng
RT: 12.845 min Scan# 1795
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

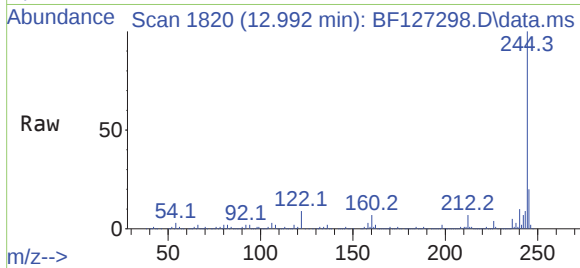
Tgt Ion:202 Resp: 158789
Ion Ratio Lower Upper
202 100
200 21.8 16.6 24.8
203 17.5 13.8 20.8





#79
 Terphenyl-d14
 Concen: 64.715 ng
 RT: 12.992 min Scan# 1820
 Delta R.T. 0.000 min
 Lab File: BF127298.D
 Acq: 11 Mar 2022 12:24

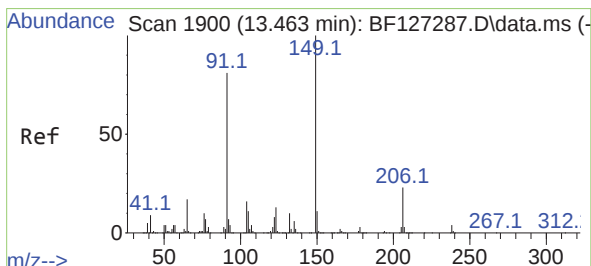
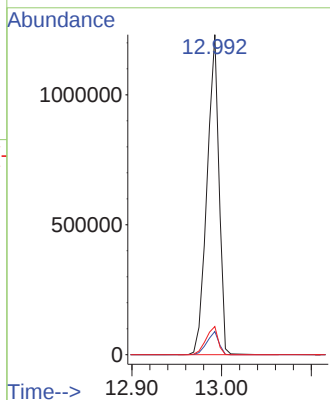
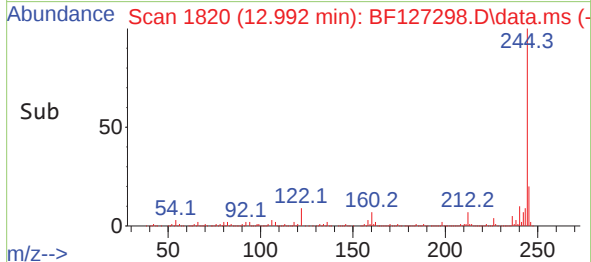
Instrument :
 BNA_F
 ClientSampleId :
 LOD-MDL-SOIL-01-QT1-2022



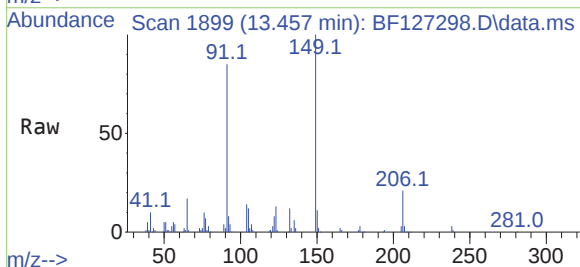
Tgt Ion:244 Resp: 1137609
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.0 7.4
 122 8.8 13.3 19.9

Manual Integrations
 APPROVED

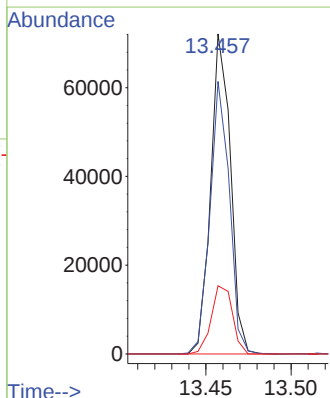
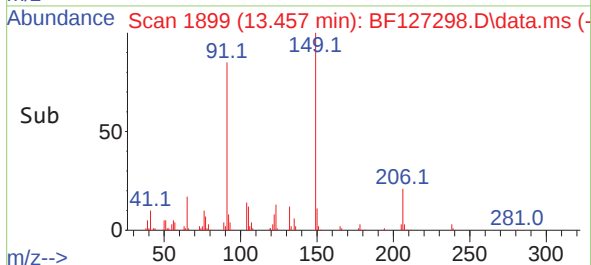
Reviewed By :Christian Giraldo 03/14/2022
 Supervised By :Jagrut Upadhyay 03/14/2022

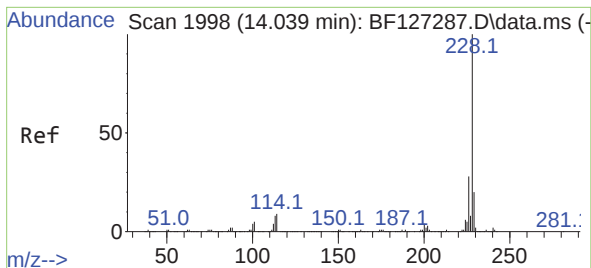


#80
 Butylbenzylphthalate
 Concen: 6.411 ng
 RT: 13.457 min Scan# 1899
 Delta R.T. -0.006 min
 Lab File: BF127298.D
 Acq: 11 Mar 2022 12:24



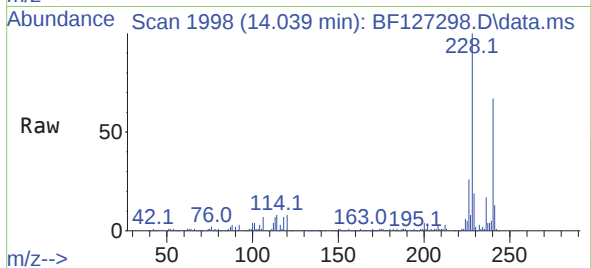
Tgt Ion:149 Resp: 58170
 Ion Ratio Lower Upper
 149 100
 91 85.1 70.5 105.7
 206 21.3 12.6 19.0





#81
Benzo(a)anthracene
Concen: 7.002 ng
RT: 14.039 min Scan# 1998
Delta R.T. 0.000 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

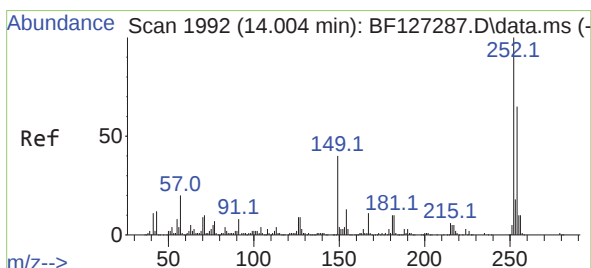
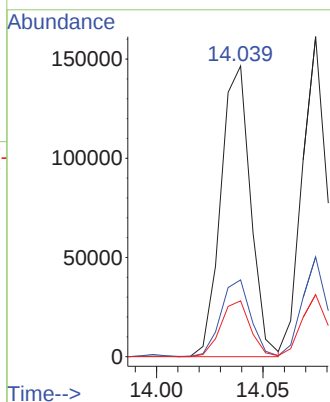
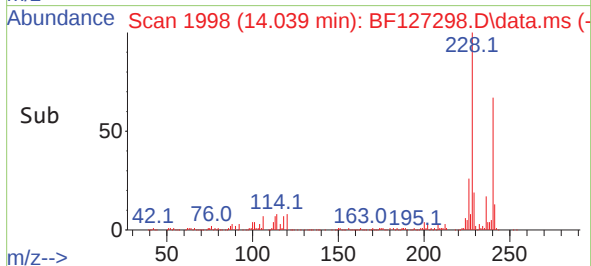
Instrument :
BNA_F
ClientSampleId :
LOD-MDL-SOIL-01-QT1-2022



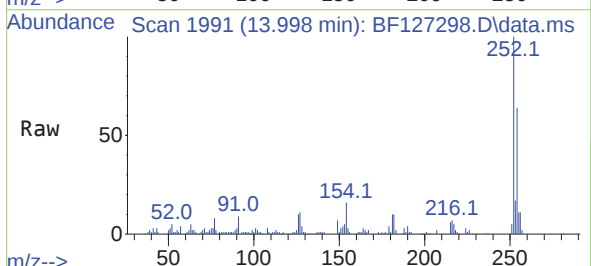
Tgt Ion:228 Resp: 14270
Ion Ratio Lower Upper
228 100
226 26.4 21.4 32.0
229 19.2 15.4 23.2

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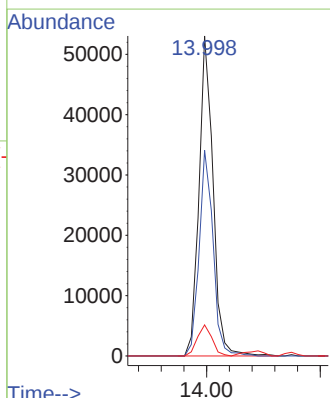
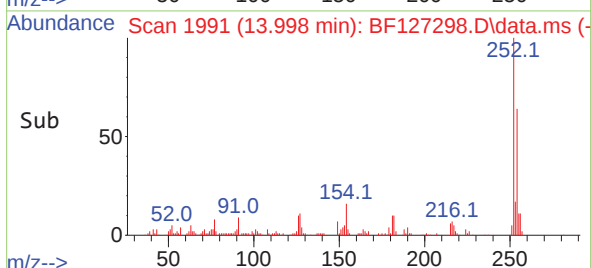
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

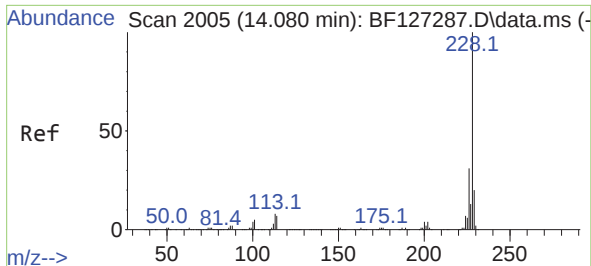


#82
3,3'-Dichlorobenzidine
Concen: 7.207 ng
RT: 13.998 min Scan# 1991
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24



Tgt Ion:252 Resp: 45671
Ion Ratio Lower Upper
252 100
254 64.3 51.0 76.4
126 9.7 13.4 20.0#





#83

Chrysene

Concen: 6.885 ng

RT: 14.075 min Scan# 2005

Delta R.T. -0.006 min

Lab File: BF127298.D

Acq: 11 Mar 2022 12:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022

Tgt Ion:228 Resp: 130520

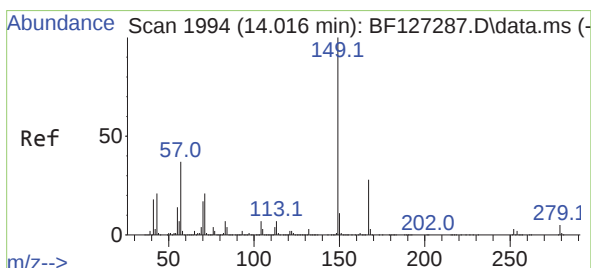
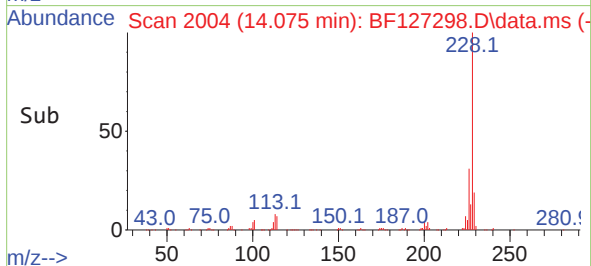
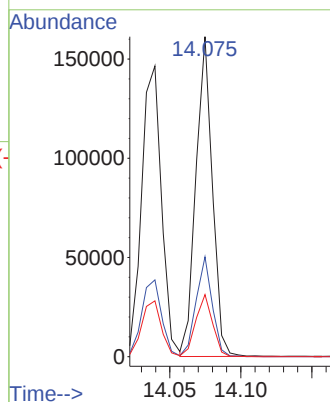
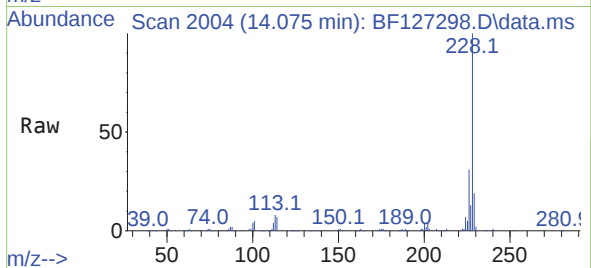
Ion	Ratio	Lower	Upper
228	100		
226	31.2	23.7	35.5
229	19.4	15.5	23.3

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2022

Supervised By :Jagrut Upadhyay 03/14/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 6.789 ng

RT: 14.010 min Scan# 1993

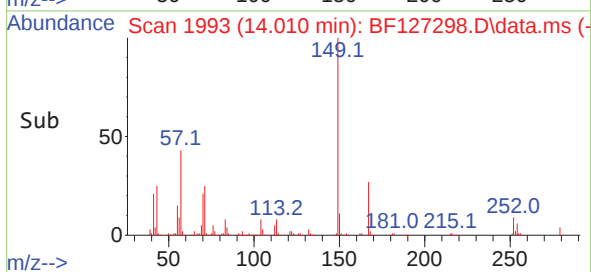
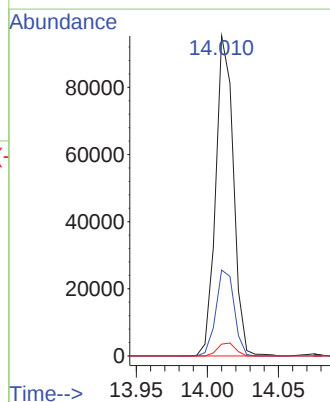
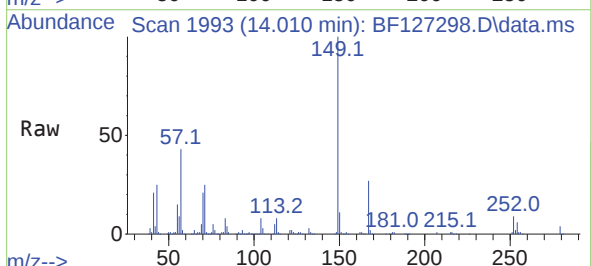
Delta R.T. -0.006 min

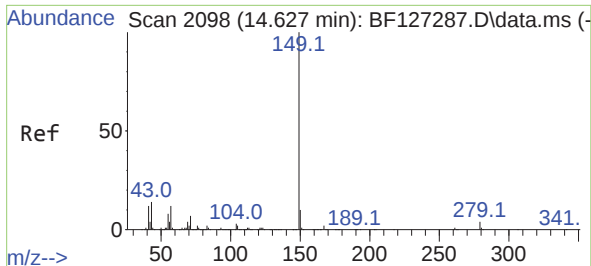
Lab File: BF127298.D

Acq: 11 Mar 2022 12:24

Tgt Ion:149 Resp: 82923

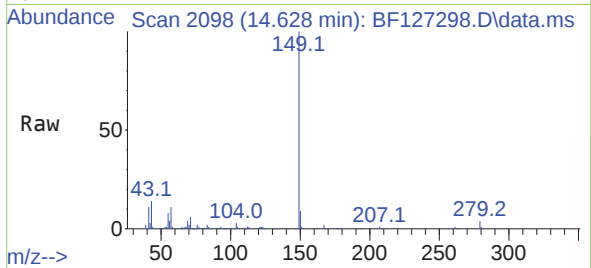
Ion	Ratio	Lower	Upper
149	100		
167	26.8	21.4	32.2
279	3.7	2.4	3.6#





#85
Di-n-octyl phthalate
Concen: 7.294 ng
RT: 14.628 min Scan# 2098
Delta R.T. 0.000 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

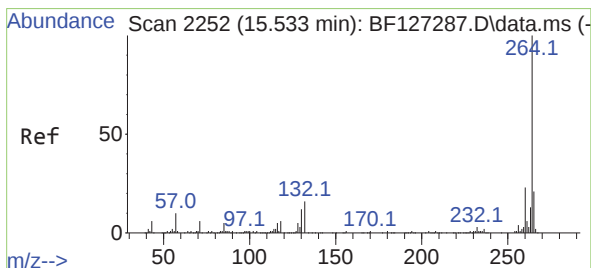
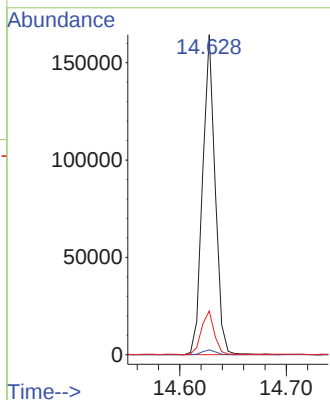
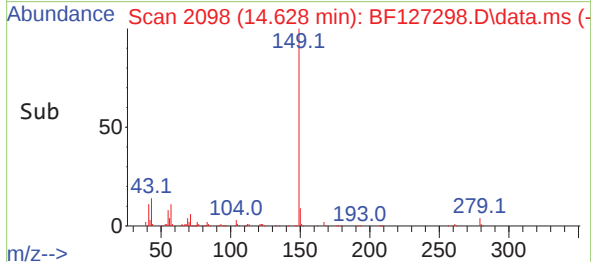
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



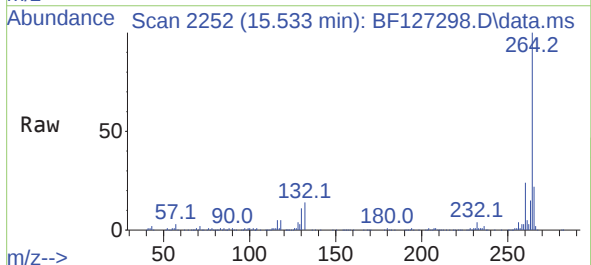
Tgt Ion:149 Resp: 134848
Ion Ratio Lower Upper
149 100
167 1.6 1.1 1.7
43 14.2 9.9 14.9

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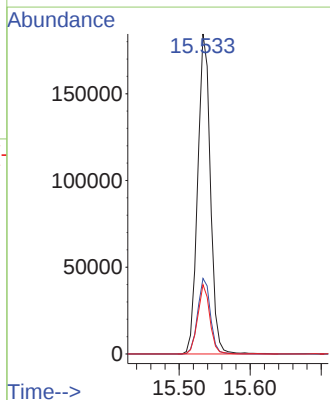
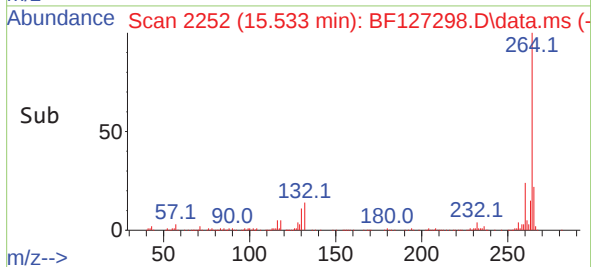
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022

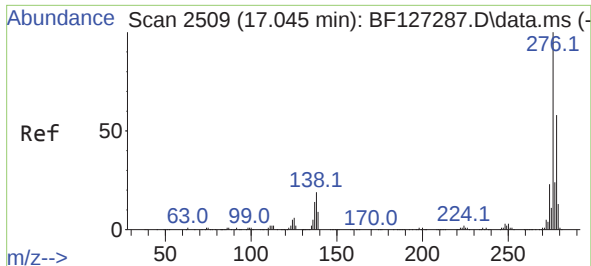


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.533 min Scan# 2252
Delta R.T. 0.000 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24



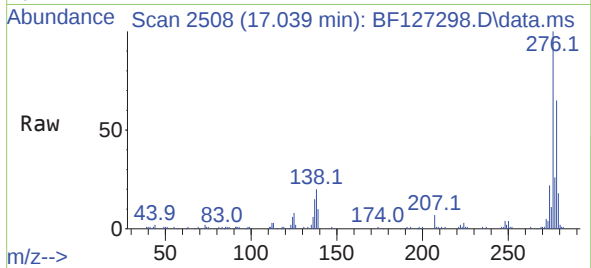
Tgt Ion:264 Resp: 229516
Ion Ratio Lower Upper
264 100
260 23.6 19.2 28.8
265 21.6 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 6.038 ng
RT: 17.039 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

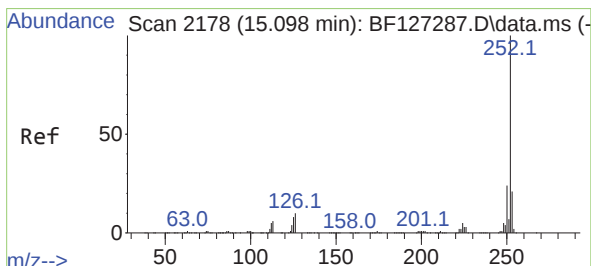
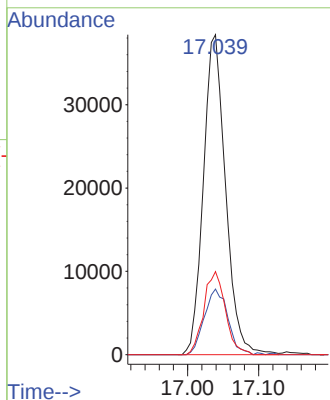
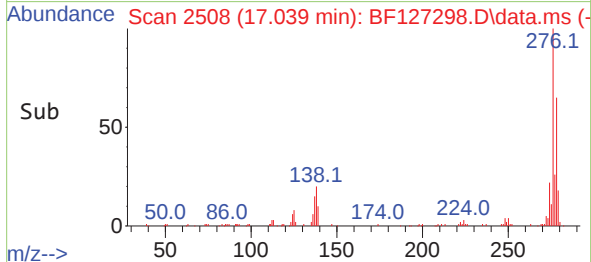
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



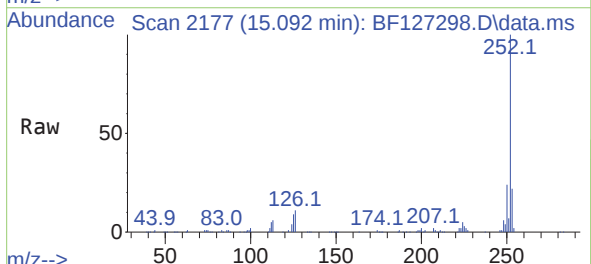
Tgt Ion: 276 Resp: 8348
Ion Ratio Lower Upper
276 100
138 21.6 29.2 43.8
277 25.3 19.8 29.8

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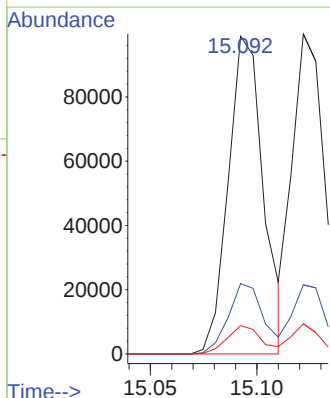
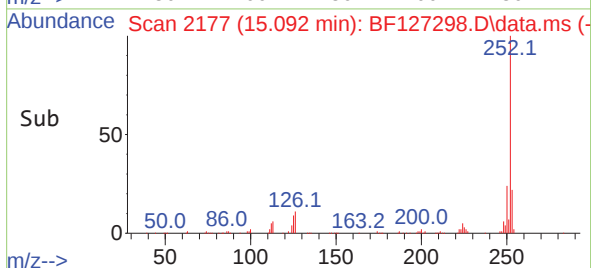
Reviewed By : Christian Giraldo 03/14/2022
Supervised By : Jagrut Upadhyay 03/14/2022

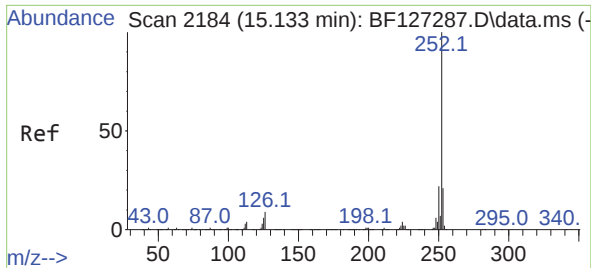


#88
Benzo(b)fluoranthene
Concen: 7.539 ng
RT: 15.092 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24



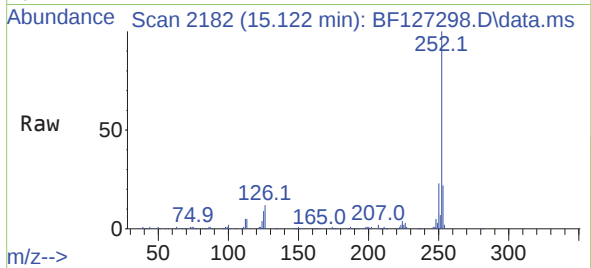
Tgt Ion: 252 Resp: 113573
Ion Ratio Lower Upper
252 100
253 22.2 17.8 26.8
125 8.9 12.4 18.6





#89
Benzo(k)fluoranthene
Concen: 7.553 ng
RT: 15.122 min Scan# 2182
Delta R.T. -0.011 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

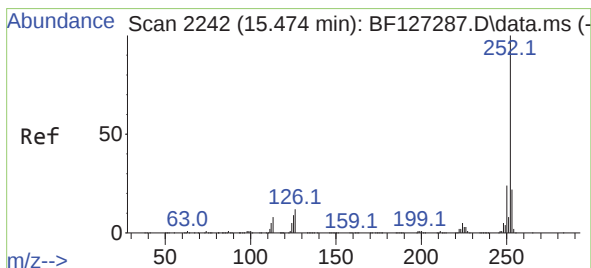
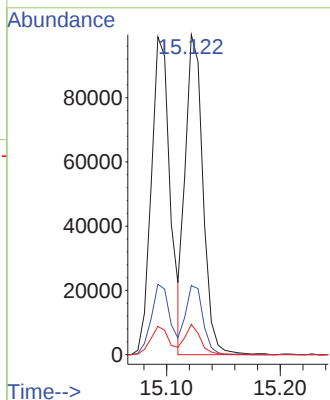
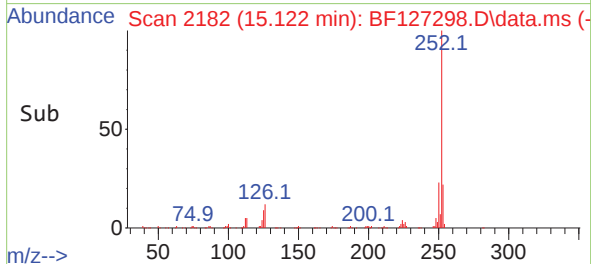
Instrument : BNA_F
ClientSampleId : LOD-MDL-SOIL-01-QT1-2022



Tgt Ion:252 Resp: 10699
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 9.4 11.8 17.6

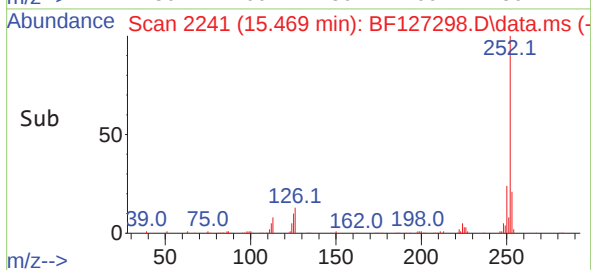
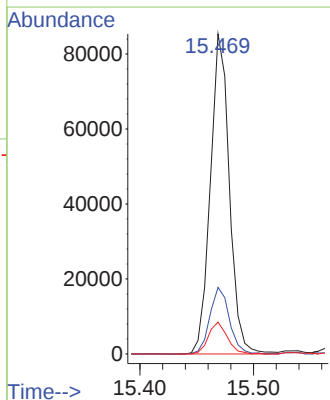
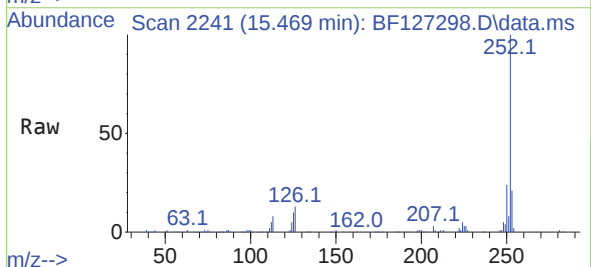
Manual Integrations
APPROVED

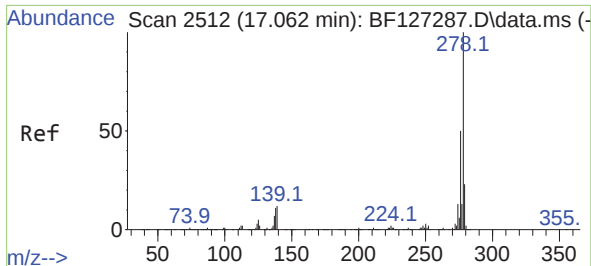
Reviewed By :Christian Giraldo 03/14/2022
Supervised By :Jagrut Upadhyay 03/14/2022



#90
Benzo(a)pyrene
Concen: 8.376 ng
RT: 15.469 min Scan# 2241
Delta R.T. -0.006 min
Lab File: BF127298.D
Acq: 11 Mar 2022 12:24

Tgt Ion:252 Resp: 99364
Ion Ratio Lower Upper
252 100
253 20.8 17.1 25.7
125 9.9 13.0 19.6





#91

Dibenzo(a,h)anthracene

Concen: 6.397 ng

RT: 17.051 min Scan# 2510

Delta R.T. -0.011 min

Lab File: BF127298.D

Acq: 11 Mar 2022 12:24

Instrument :

BNA_F

ClientSampleId :

LOD-MDL-SOIL-01-QT1-2022

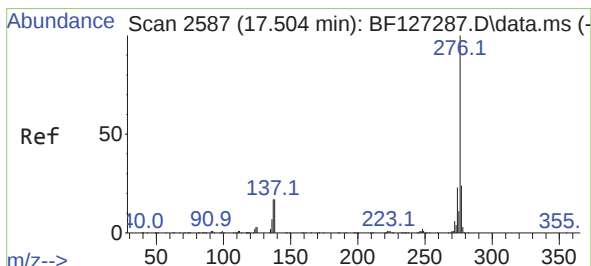
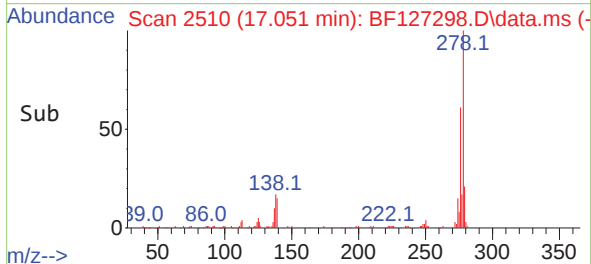
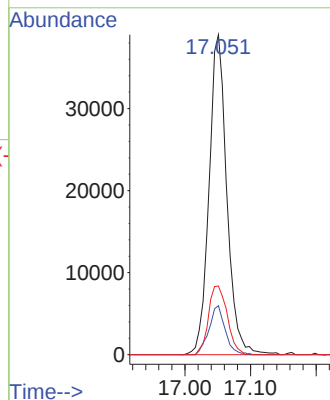
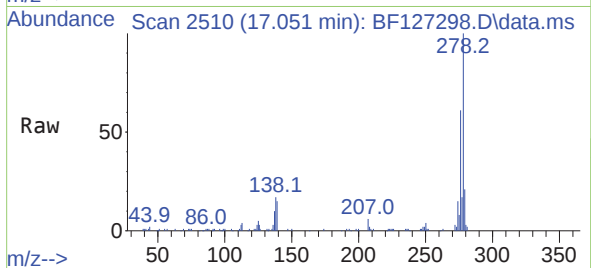
Tgt Ion:278	Resp:	7361
Ion Ratio	Lower	Upper
278	100	
139	15.3	18.0 27.0
279	21.4	18.6 27.8

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/14/2022

Supervised By :Jagrut Upadhyay 03/14/2022



#92

Benzo(g,h,i)perylene

Concen: 6.147 ng

RT: 17.492 min Scan# 2585

Delta R.T. -0.011 min

Lab File: BF127298.D

Acq: 11 Mar 2022 12:24

Tgt Ion:276	Resp:	69000
Ion Ratio	Lower	Upper
276	100	
277	24.7	18.5 27.7
138	18.7	25.9 38.9

