

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF040622\
 Data File : BF127664.D
 Acq On : 06 Apr 2022 23:02
 Operator : CG\JU
 Sample : N2229-02MSD
 Misc :
 ALS Vial : 16 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 SOIL-DRUMMSD

Manual Integrations
 APPROVED

Reviewed By : Christian Giraldo 04/07/2022
 Supervised By : Jagrut Upadhyay 04/07/2022

Quant Time: Apr 07 02:40:37 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF040622.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Apr 06 13:55:27 2022
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	97426	20.000	ng	0.00
21) Naphthalene-d8	8.251	136	357037	20.000	ng	# 0.00
39) Acenaphthene-d10	10.010	164	208815	20.000	ng	0.00
64) Phenanthrene-d10	11.504	188	395902	20.000	ng	0.00
76) Chrysene-d12	14.157	240	321513	20.000	ng	0.00
86) Perylene-d12	15.680	264	282476	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.587	112	729395	121.651	ng	0.00
7) Phenol-d6	6.581	99	878523	112.002	ng	0.00
23) Nitrobenzene-d5	7.528	82	724438	90.457	ng	0.00
42) 2,4,6-Tribromophenol	10.804	330	307194	138.245	ng	0.00
45) 2-Fluorobiphenyl	9.328	172	1238694	83.918	ng	0.00
79) Terphenyl-d14	13.098	244	1647035	84.556	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.934	88	117530	41.327	ng	84
3) Pyridine	3.651	79	251564	33.585	ng	85
4) n-Nitrosodimethylamine	3.610	42	183990	45.675	ng	# 97
6) Aniline	6.628	93	271387m	29.010	ng	
8) 2-Chlorophenol	6.745	128	301230	49.527	ng	97
9) Benzaldehyde	6.516	77	107321	24.173	ng	96
10) Phenol	6.592	94	333237	42.488	ng	98
11) bis(2-Chloroethyl)ether	6.698	93	314039	48.484	ng	93
12) 1,3-Dichlorobenzene	6.904	146	316088	45.482	ng	99
13) 1,4-Dichlorobenzene	6.981	146	320612	45.637	ng	96
14) 1,2-Dichlorobenzene	7.134	146	312032	46.467	ng	97
15) Benzyl Alcohol	7.104	79	309308	45.107	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.239	45	473322	46.295	ng	96
17) 2-Methylphenol	7.204	107	249378	47.136	ng	98
18) Hexachloroethane	7.481	117	121934	45.486	ng	99
19) n-Nitroso-di-n-propyla...	7.375	70	245617	48.415	ng	99
20) 3+4-Methylphenols	7.357	107	310791	46.098	ng	# 58
22) Acetophenone	7.375	105	444564	46.337	ng	# 85
24) Nitrobenzene	7.551	77	374446	48.232	ng	97
25) Isophorone	7.786	82	696646	49.851	ng	98
26) 2-Nitrophenol	7.863	139	141580	50.746	ng	94
27) 2,4-Dimethylphenol	7.892	122	280567	51.363	ng	95
28) bis(2-Chloroethoxy)met...	7.992	93	400191	46.443	ng	99
29) 2,4-Dichlorophenol	8.098	162	270068	45.896	ng	98
30) 1,2,4-Trichlorobenzene	8.186	180	304900	45.022	ng	97
31) Naphthalene	8.275	128	872520	46.637	ng	99
32) Benzoic acid	7.992	122	174960	44.148	ng	93
33) 4-Chloroaniline	8.316	127	109922	14.919	ng	96
34) Hexachlorobutadiene	8.386	225	202874	43.549	ng	99
35) Caprolactam	8.681	113	72373m	41.614	ng	
36) 4-Chloro-3-methylphenol	8.786	107	297452	48.216	ng	97
37) 2-Methylnaphthalene	8.963	142	591915	47.304	ng	99
38) 1-Methylnaphthalene	9.063	142	573865	47.514	ng	98
40) 1,2,4,5-Tetrachloroben...	9.128	216	303978	44.383	ng	# 98
41) Hexachlorocyclopentadiene	9.116	237	391562	94.909	ng	98
43) 2,4,6-Trichlorophenol	9.239	196	206292	44.365	ng	99

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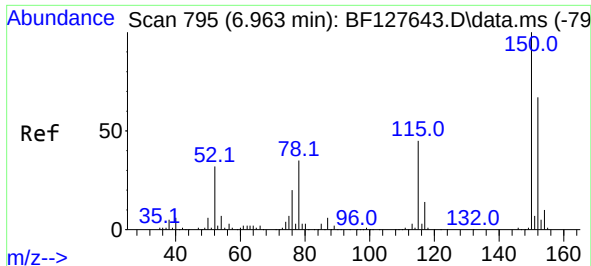
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	222292	47.377	ng	97
46) 1,1'-Biphenyl	9.428	154	733883	45.954	ng	100
47) 2-Chloronaphthalene	9.457	162	583382	45.968	ng	99
48) 2-Nitroaniline	9.551	65	208143	52.807	ng	93
49) Acenaphthylene	9.875	152	961439	49.806	ng	99
50) Dimethylphthalate	9.733	163	747480	49.384	ng	99
51) 2,6-Dinitrotoluene	9.792	165	152941	53.606	ng	95
52) Acenaphthene	10.045	154	644002	52.954	ng	98
53) 3-Nitroaniline	9.963	138	91265	30.280	ng	96
54) 2,4-Dinitrophenol	10.069	184	145532	101.396	ng	94
55) Dibenzofuran	10.222	168	831423	46.849	ng	98
56) 4-Nitrophenol	10.110	139	230046	97.171	ng	92
57) 2,4-Dinitrotoluene	10.198	165	206676	58.429	ng	# 83
58) Fluorene	10.563	166	640652	48.857	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.327	232	193892	47.424	ng	97
60) Diethylphthalate	10.433	149	700316	48.351	ng	99
61) 4-Chlorophenyl-phenyle...	10.551	204	333607	46.303	ng	93
62) 4-Nitroaniline	10.580	138	146381	51.566	ng	86
63) Azobenzene	10.716	77	753724	46.570	ng	97
65) 4,6-Dinitro-2-methylph...	10.604	198	92369	48.305	ng	85
66) n-Nitrosodiphenylamine	10.675	169	570863	45.783	ng	98
67) 4-Bromophenyl-phenylether	11.045	248	218389	45.452	ng	# 90
68) Hexachlorobenzene	11.110	284	243591	46.377	ng	99
69) Atrazine	11.198	200	215014	51.902	ng	95
70) Pentachlorophenol	11.304	266	288430	91.944	ng	99
71) Phenanthrene	11.533	178	1007100	48.012	ng	99
72) Anthracene	11.586	178	1020307	49.173	ng	98
73) Carbazole	11.733	167	922991	47.473	ng	98
74) Di-n-butylphthalate	12.063	149	1121580	48.257	ng	98
75) Fluoranthene	12.721	202	1169464	51.091	ng	99
77) Benzidine	12.839	184	226991	27.049	ng	99
78) Pyrene	12.957	202	1190248	43.840	ng	99
80) Butylbenzylphthalate	13.568	149	474824	46.972	ng	96
81) Benzo(a)anthracene	14.145	228	1029779	47.956	ng	98
82) 3,3'-Dichlorobenzidine	14.104	252	271017	40.484	ng	97
83) Chrysene	14.186	228	955250	46.343	ng	99
84) Bis(2-ethylhexyl)phtha...	14.127	149	654631	45.943	ng	97
85) Di-n-octyl phthalate	14.751	149	1028050	49.345	ng	94
87) Indeno(1,2,3-cd)pyrene	17.251	276	932344	52.827	ng	100
88) Benzo(b)fluoranthene	15.227	252	959247	52.788	ng	99
89) Benzo(k)fluoranthene	15.262	252	819751	45.484	ng	98
90) Benzo(a)pyrene	15.615	252	861036	58.297	ng	98
91) Dibenzo(a,h)anthracene	17.274	278	811559	56.754	ng	98
92) Benzo(g,h,i)perylene	17.733	276	814788	55.579	ng	98

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



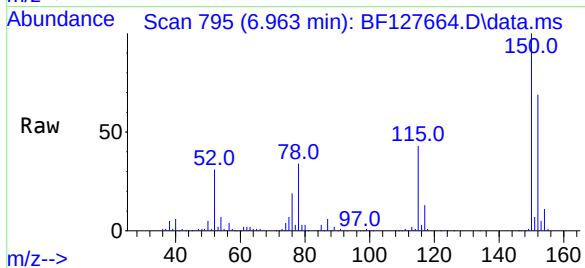
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 79
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

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BNA_F

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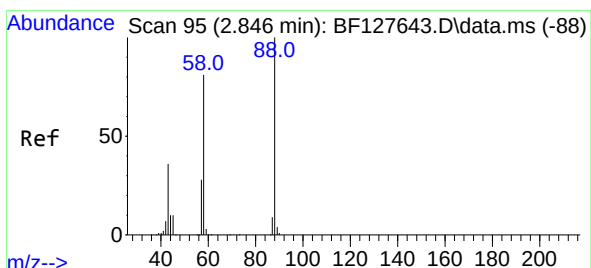
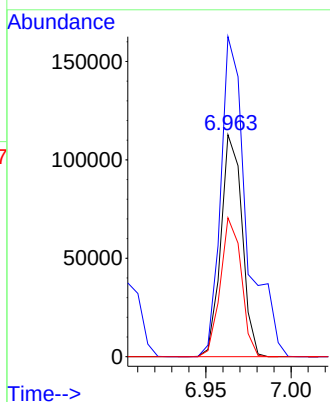
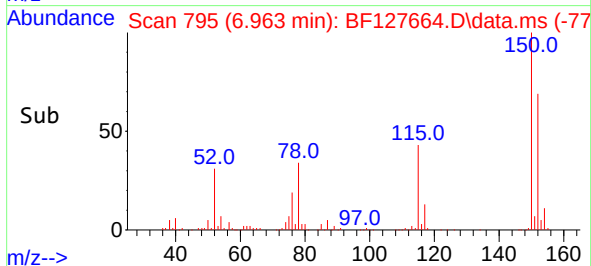


Tgt Ion:152 Resp: 97420
Ion Ratio Lower Upper
152 100
150 144.2 117.2 175.8
115 62.6 49.8 74.6

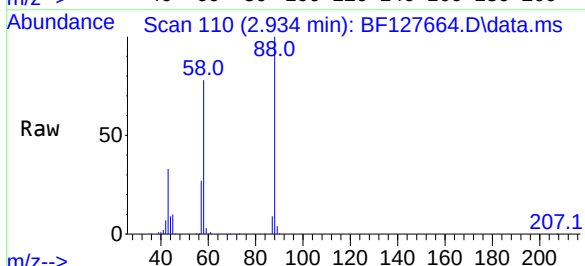
Manual Integrations

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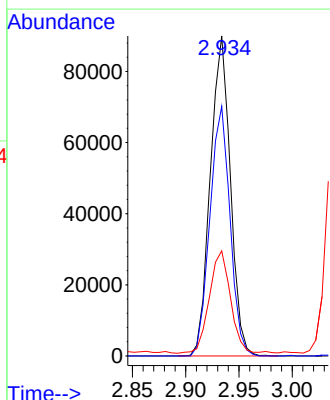
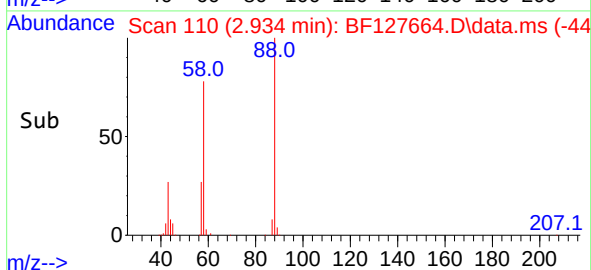
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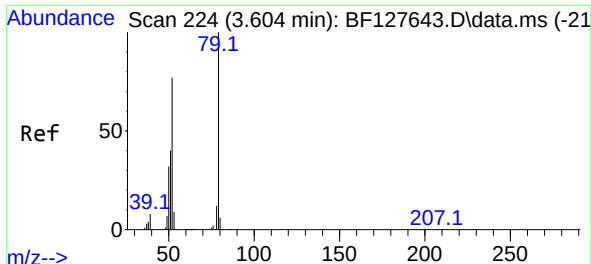


#2
1,4-Dioxane
Concen: 41.327 ng
RT: 2.934 min Scan# 110
Delta R.T. 0.088 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02



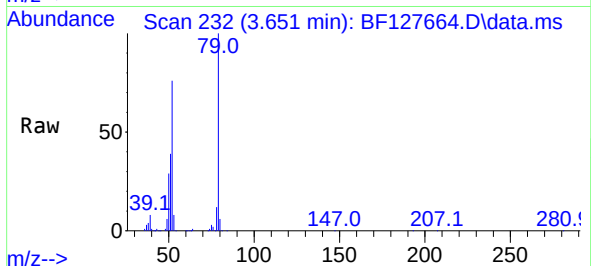
Tgt Ion: 88 Resp: 117530
Ion Ratio Lower Upper
88 100
58 78.2 77.0 115.4
43 33.7 31.3 46.9





#3
Pyridine
Concen: 33.585 ng
RT: 3.651 min Scan# 21
Delta R.T. 0.047 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

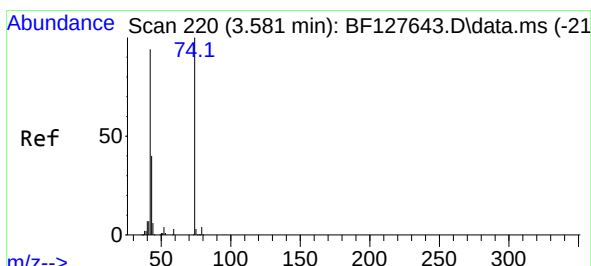
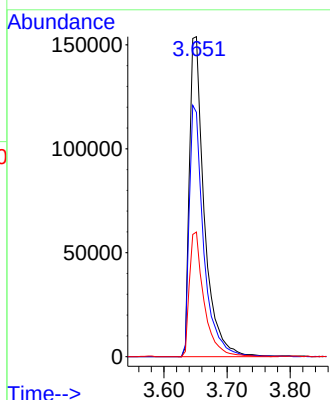
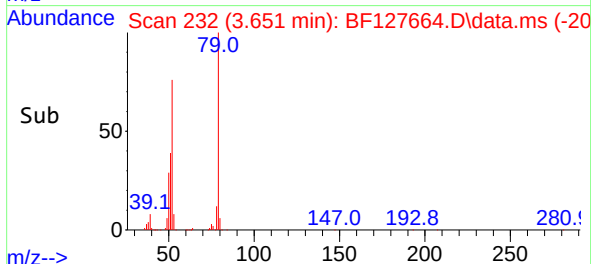
Instrument :
BNA_F
ClientSampleId :
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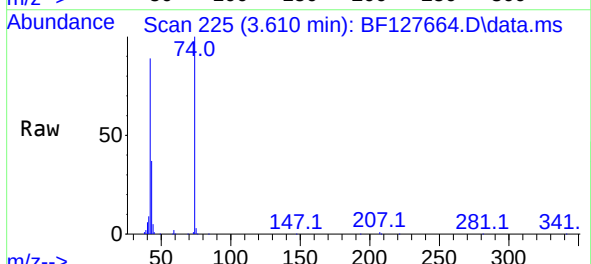
Tgt Ion: 79 Resp: 251564
Ion Ratio Lower Upper
79 100
52 76.3 74.2 111.4
51 38.9 36.7 55.1

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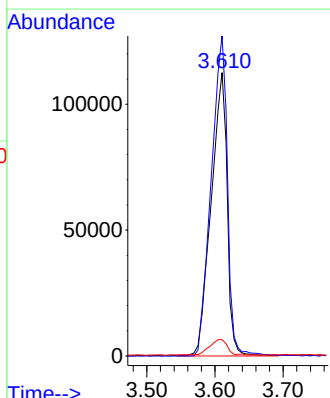
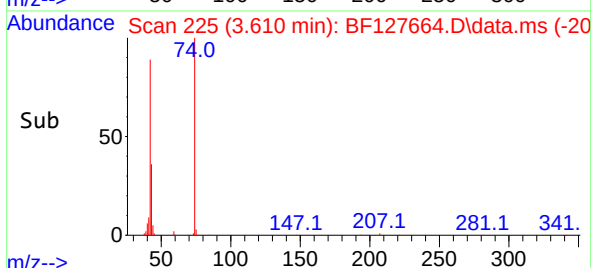
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Supervised By :Jagrut Upadhyay 04/07/2022

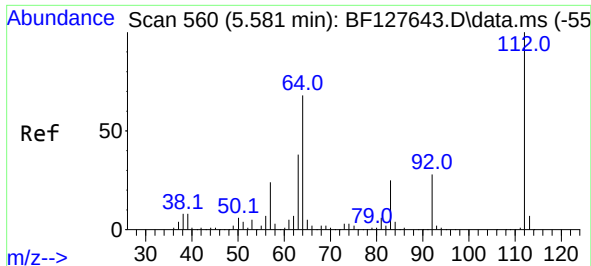


#4
n-Nitrosodimethylamine
Concen: 45.675 ng
RT: 3.610 min Scan# 225
Delta R.T. 0.029 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02



Tgt Ion: 42 Resp: 183990
Ion Ratio Lower Upper
42 100
74 112.9 92.4 138.6
44 5.8 6.0 9.0#





#5
2-Fluorophenol
Concen: 121.651 ng
RT: 5.587 min Scan# 560
Delta R.T. 0.006 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

Instrument :

BNA_F

ClientSampleId :

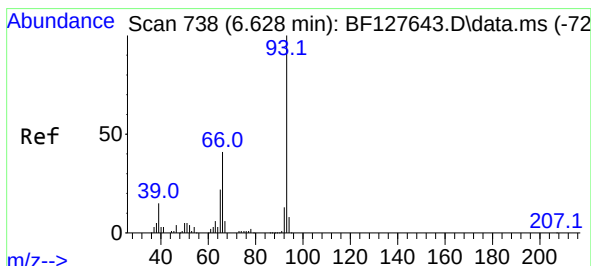
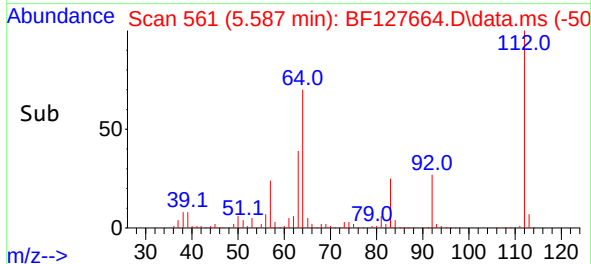
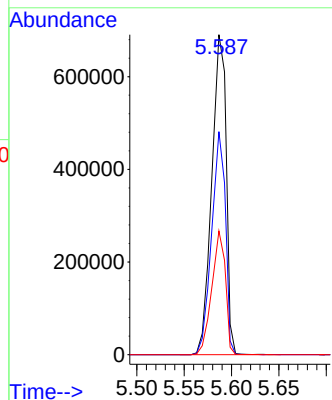
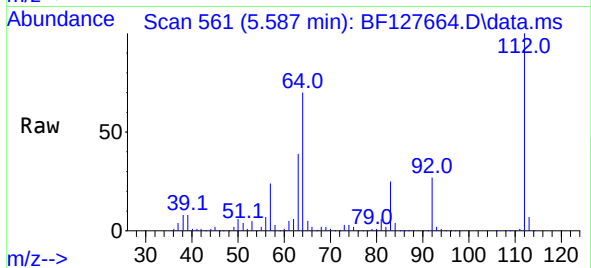
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Tgt Ion:112 Resp: 72939
Ion Ratio Lower Upper
112 100
64 69.7 58.4 87.6
63 38.6 30.1 45.1

Manual Integrations

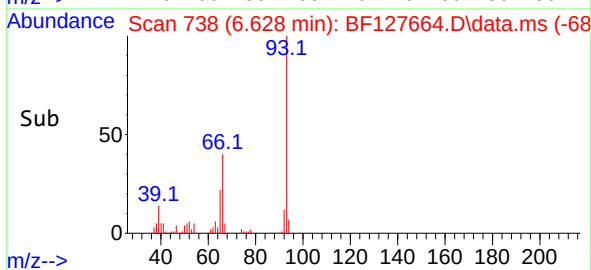
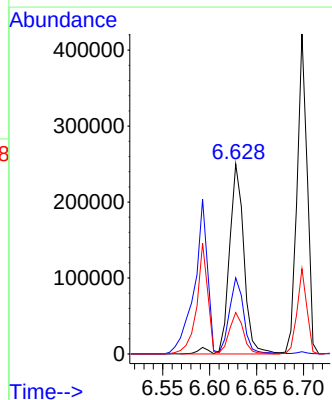
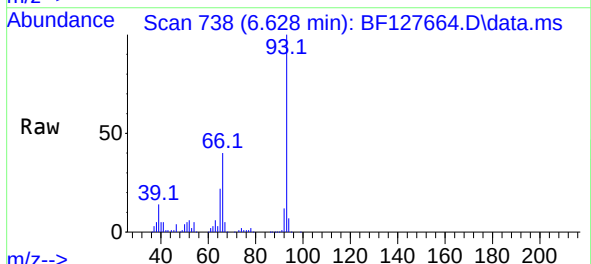
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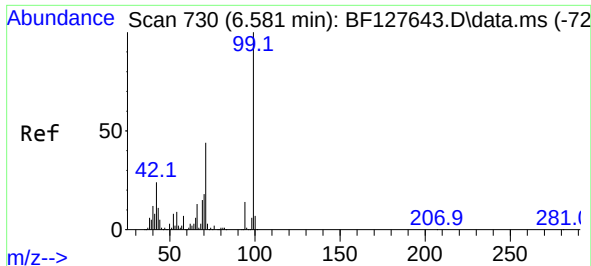
Reviewed By :Christian Giraldo 04/07/2022
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#6
Aniline
Concen: 29.010 ng m
RT: 6.628 min Scan# 738
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

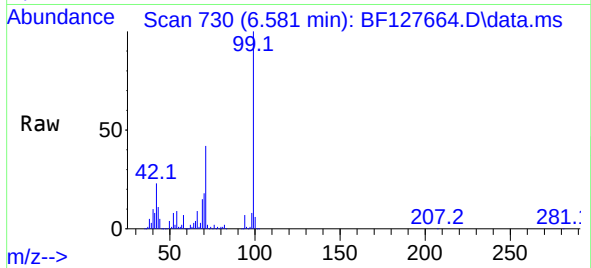
Tgt Ion: 93 Resp: 271387
Ion Ratio Lower Upper
93 100
66 40.1 36.2 54.4
65 21.8 18.4 27.6





#7
Phenol-d6
Concen: 112.002 ng
RT: 6.581 min Scan# 712
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

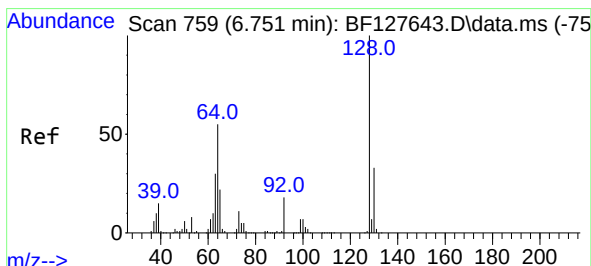
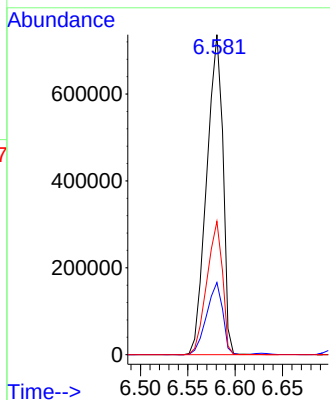
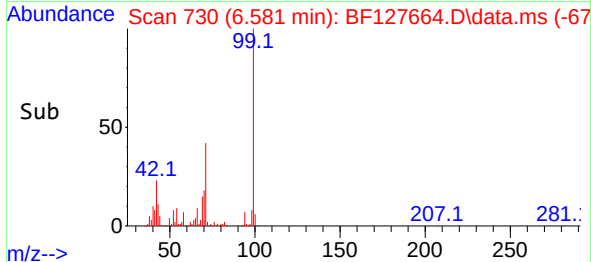
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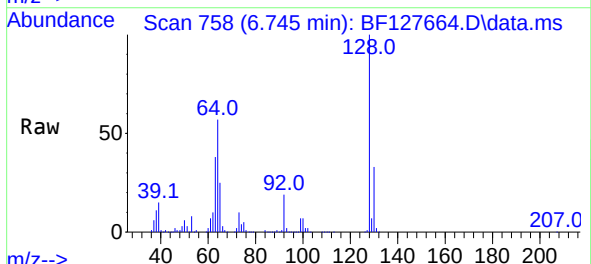
Tgt Ion: 99 Resp: 87852
Ion Ratio Lower Upper
99 100
42 22.6 17.8 26.6
71 41.7 29.6 44.4

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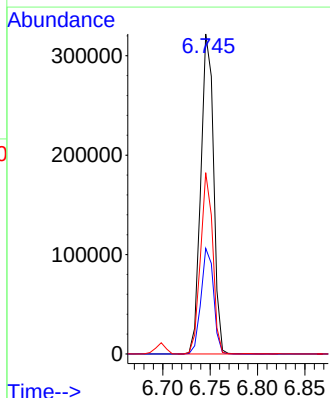
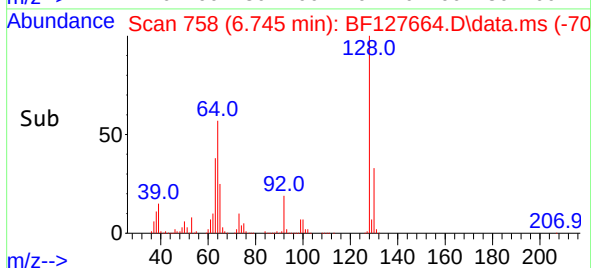
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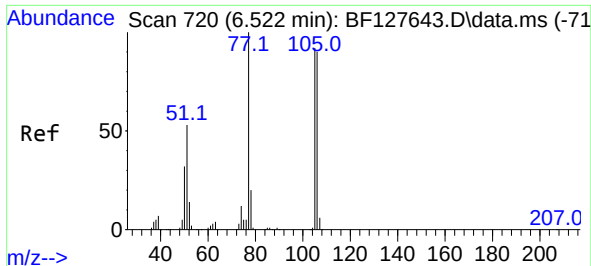


#8
2-Chlorophenol
Concen: 49.527 ng
RT: 6.745 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF127664.D
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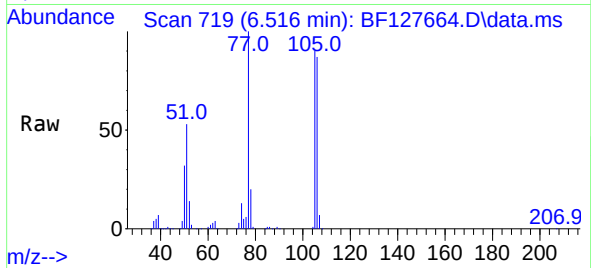
Tgt Ion:128 Resp: 301230
Ion Ratio Lower Upper
128 100
130 33.0 11.3 51.3
64 56.7 38.4 78.4





#9
Benzaldehyde
Concen: 24.173 ng
RT: 6.516 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

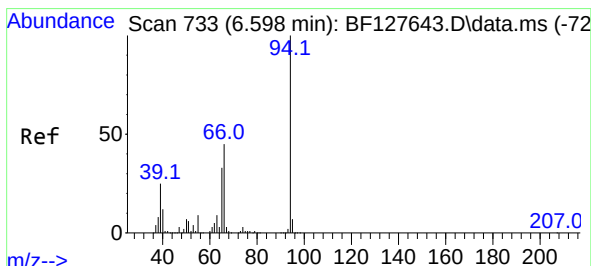
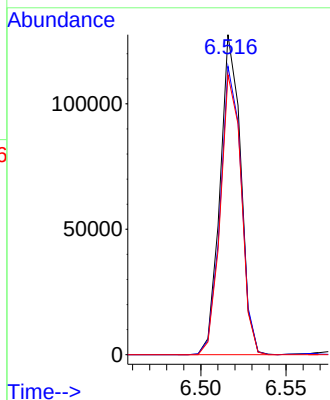
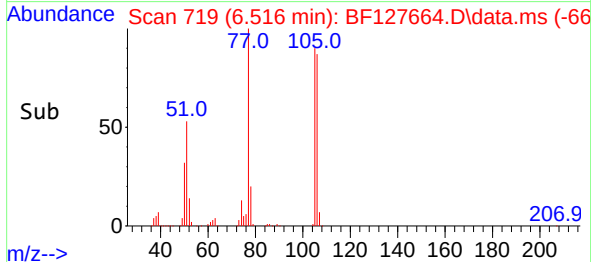
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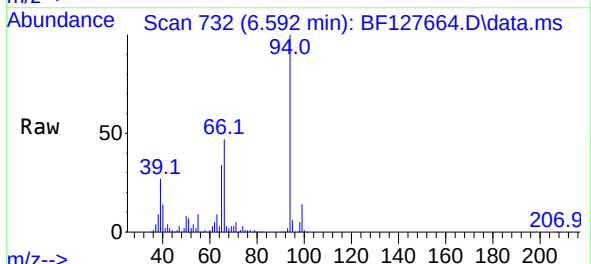
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Ion Ratio Lower Upper
77 100
105 90.1 66.8 106.8
106 87.4 64.3 104.3

Manual Integrations
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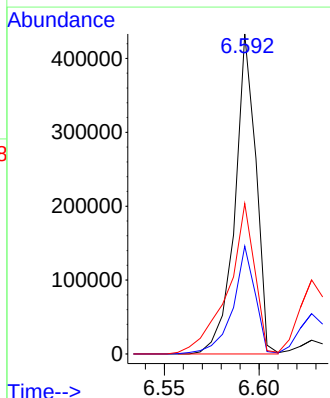
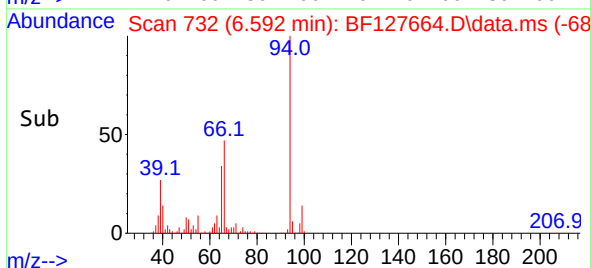
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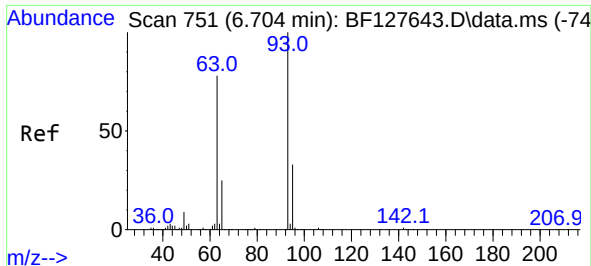


#10
Phenol
Concen: 42.488 ng
RT: 6.592 min Scan# 732
Delta R.T. -0.006 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02



Tgt Ion: 94 Resp: 333237
Ion Ratio Lower Upper
94 100
65 33.7 13.1 53.1
66 47.0 24.9 64.9





#11

bis(2-Chloroethyl)ether

Concen: 48.484 ng

RT: 6.698 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF127664.D

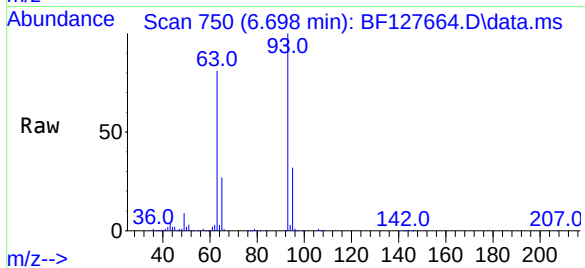
Acq: 06 Apr 2022 23:02

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMMSD



Tgt Ion: 93 Resp: 314039

Ion Ratio Lower Upper

93 100

63 80.6 69.6 109.6

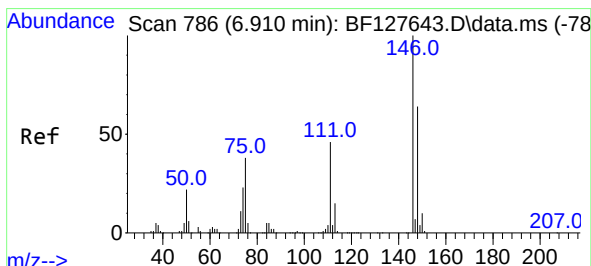
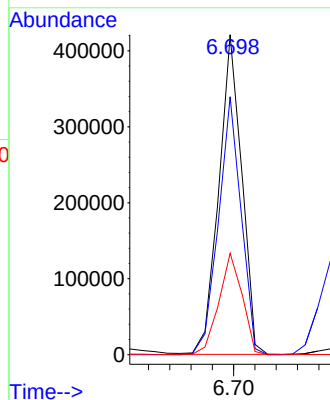
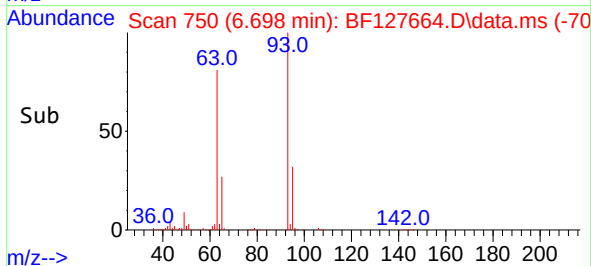
95 31.7 11.6 51.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/07/2022

Supervised By :Jagrut Upadhyay 04/07/2022



#12

1,3-Dichlorobenzene

Concen: 45.482 ng

RT: 6.904 min Scan# 785

Delta R.T. -0.006 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

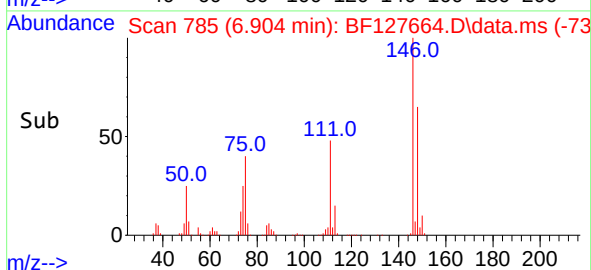
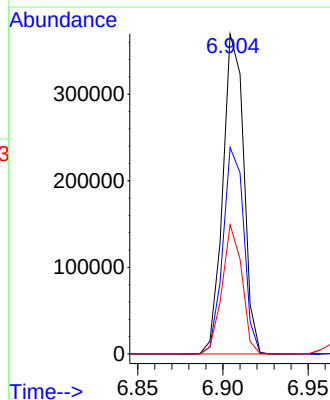
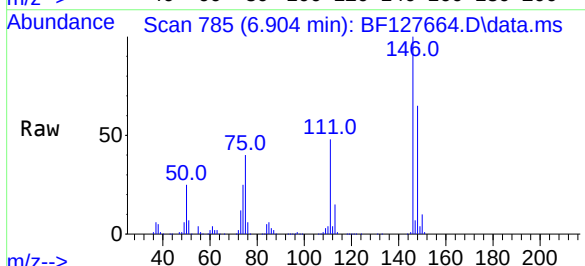
Tgt Ion:146 Resp: 316088

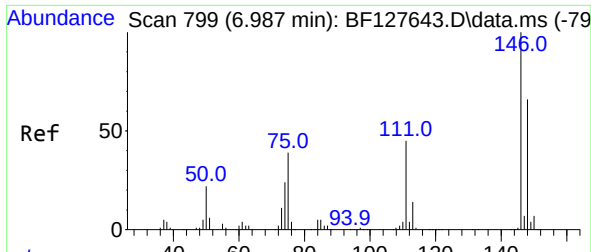
Ion Ratio Lower Upper

146 100

148 64.5 50.6 76.0

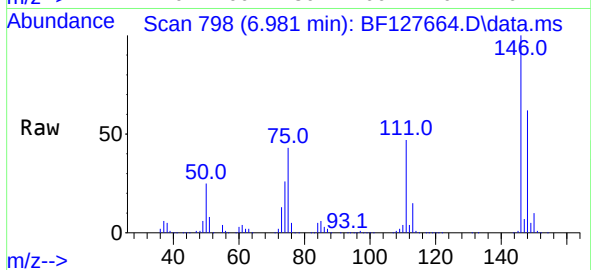
75 40.4 32.4 48.6





#13
1,4-Dichlorobenzene
Concen: 45.637 ng
RT: 6.981 min Scan# 799
Delta R.T. -0.006 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

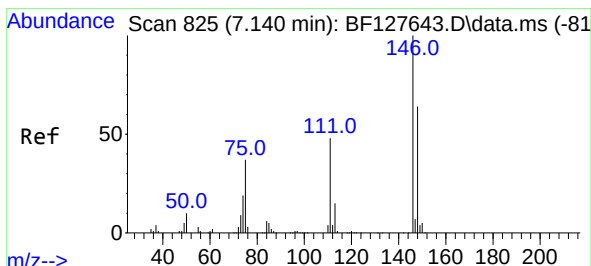
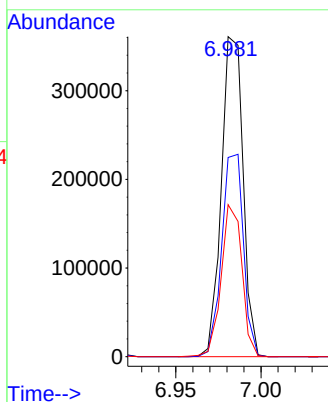
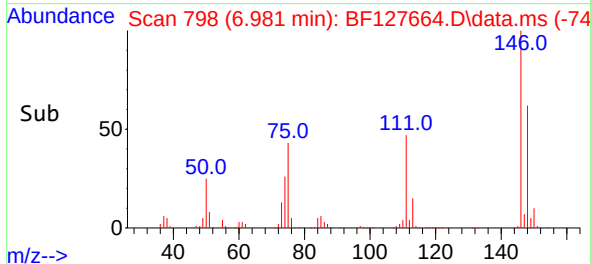
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMMSD



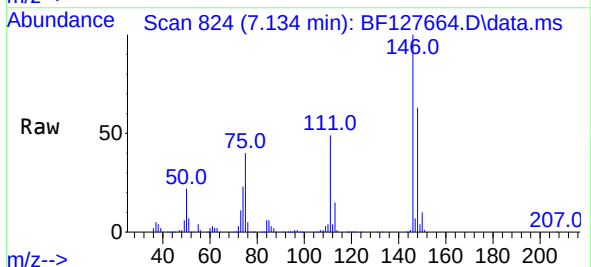
Tgt Ion:146 Resp: 320612
Ion Ratio Lower Upper
146 100
148 62.3 51.3 76.9
111 47.5 34.2 51.4

Manual Integrations
APPROVED

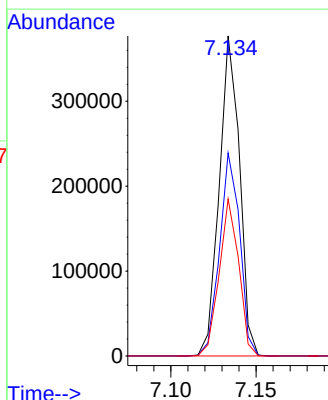
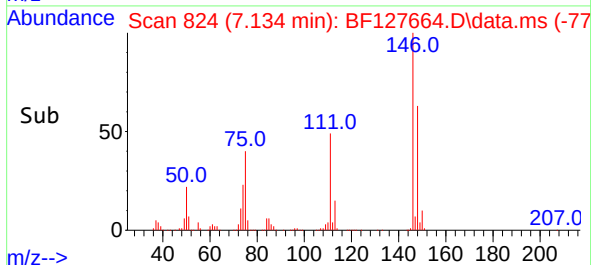
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

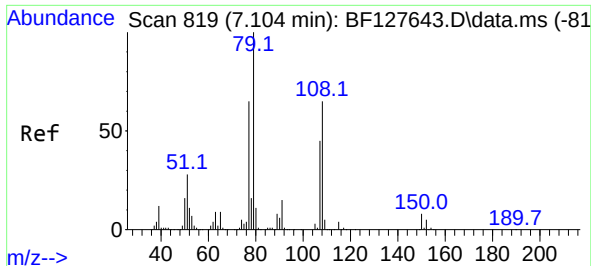


#14
1,2-Dichlorobenzene
Concen: 46.467 ng
RT: 7.134 min Scan# 824
Delta R.T. -0.006 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02



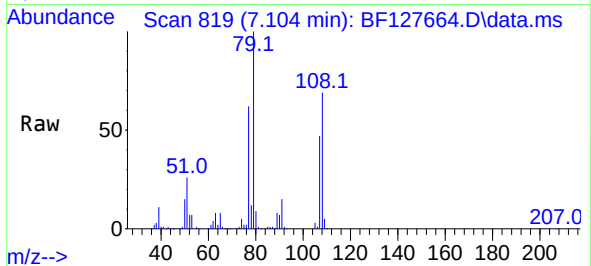
Tgt Ion:146 Resp: 312032
Ion Ratio Lower Upper
146 100
148 63.5 51.4 77.2
111 49.0 36.4 54.6





#15
Benzyl Alcohol
Concen: 45.107 ng
RT: 7.104 min Scan# 819
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

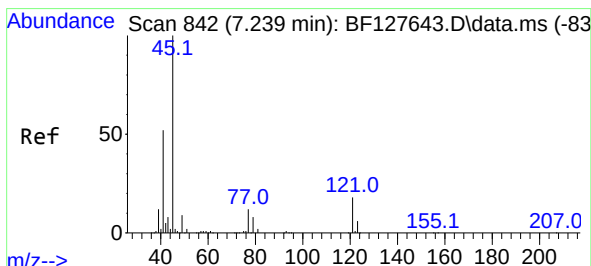
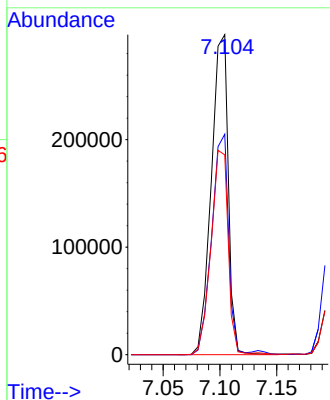
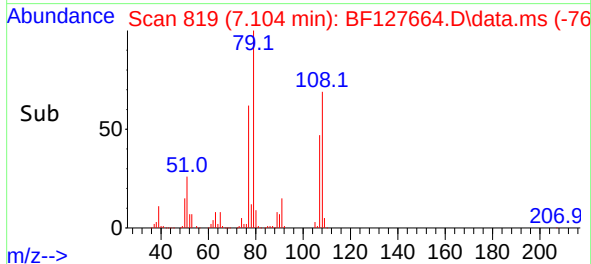
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMMSD



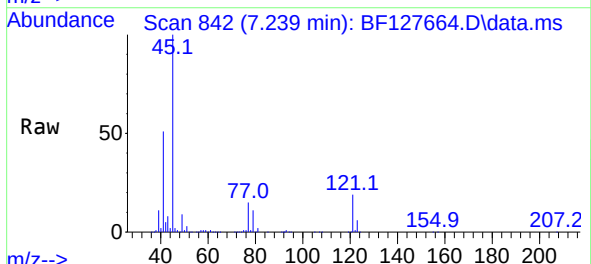
Tgt Ion: 79 Resp: 309308
Ion Ratio Lower Upper
79 100
108 68.9 52.2 78.2
77 62.5 48.3 72.5

Manual Integrations
APPROVED

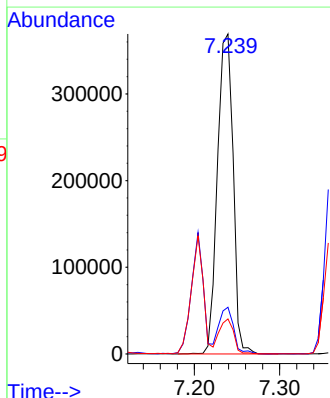
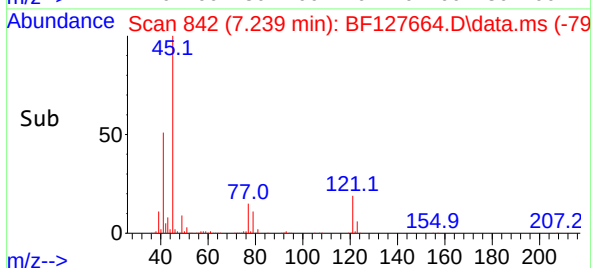
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

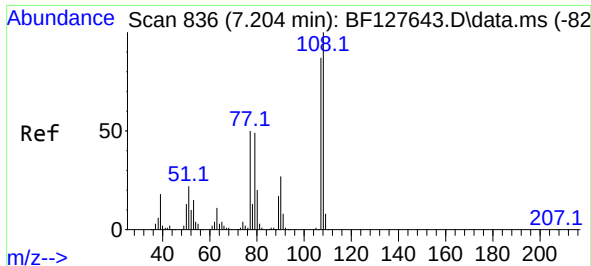


#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.295 ng
RT: 7.239 min Scan# 842
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02



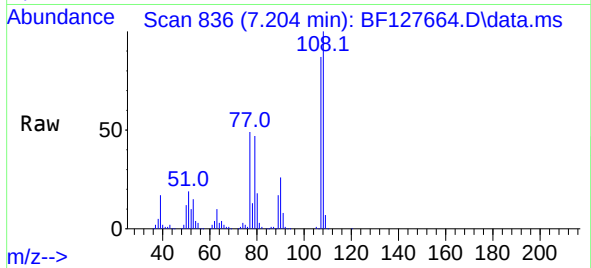
Tgt Ion: 45 Resp: 473322
Ion Ratio Lower Upper
45 100
77 14.6 0.0 32.9
79 10.9 0.0 29.9





#17
2-Methylphenol
Concen: 47.136 ng
RT: 7.204 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

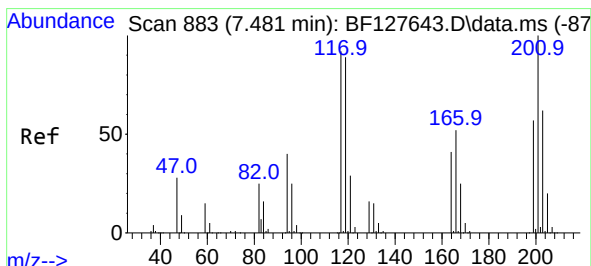
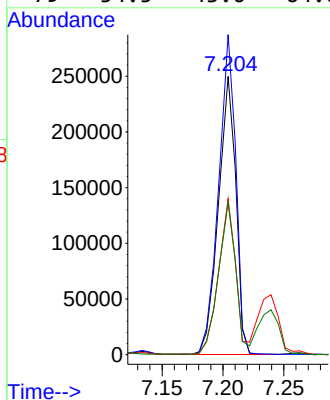
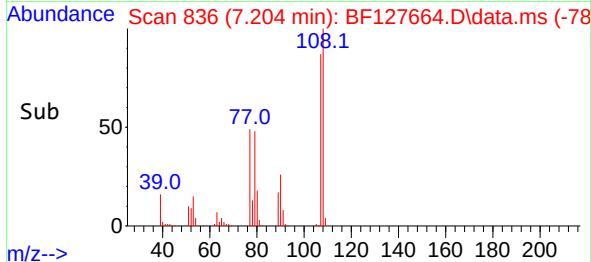
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMMSD



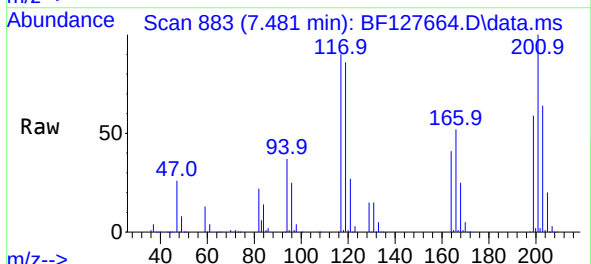
Tgt Ion:107 Resp: 249378
Ion Ratio Lower Upper
107 100
108 115.0 90.7 136.1
77 56.1 42.9 64.3
79 54.5 43.0 64.6

Manual Integrations
APPROVED

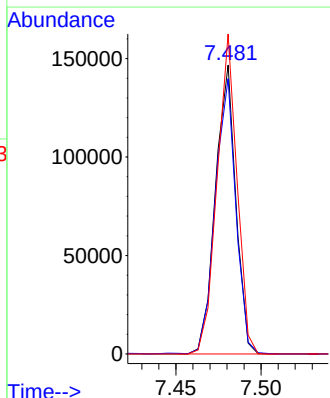
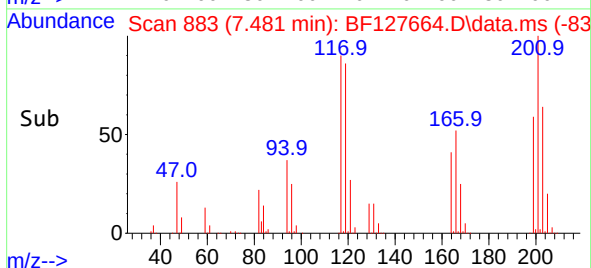
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

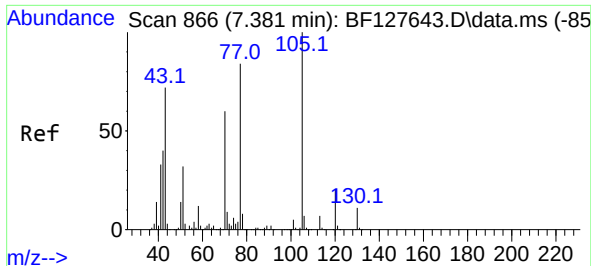


#18
Hexachloroethane
Concen: 45.486 ng
RT: 7.481 min Scan# 883
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02



Tgt Ion:117 Resp: 121934
Ion Ratio Lower Upper
117 100
119 95.4 77.6 116.4
201 110.8 88.2 132.2





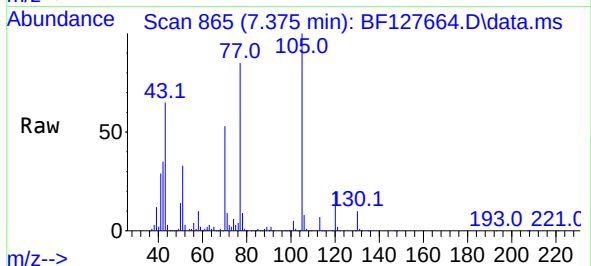
#19
n-Nitroso-di-n-propylamine
Concen: 48.415 ng
RT: 7.375 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMMSD

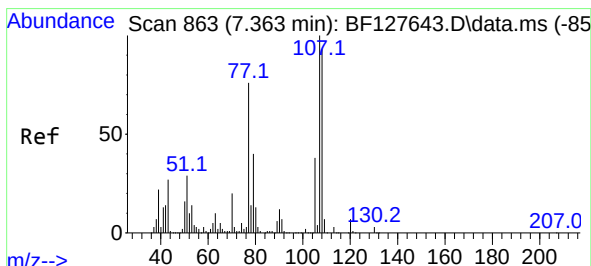
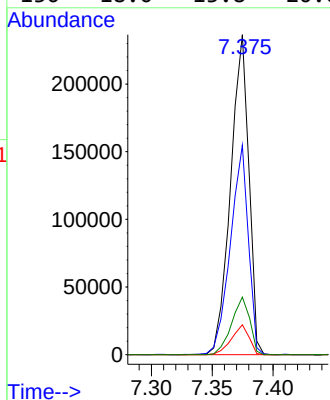
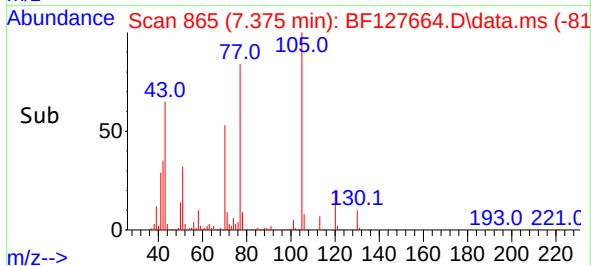


Tgt Ion: 70 Resp: 24561
Ion Ratio Lower Upper
70 100
42 65.4 53.0 79.6
101 9.4 6.8 10.2
130 18.0 13.8 20.6

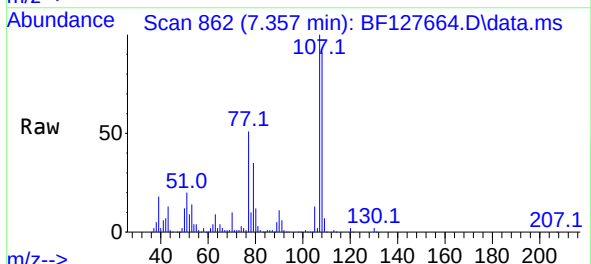
Manual Integrations

APPROVED

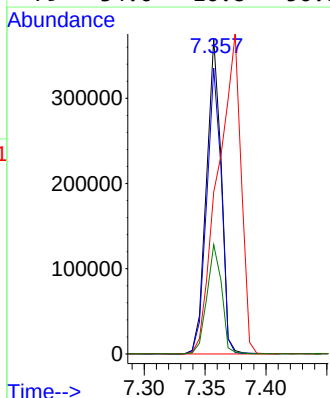
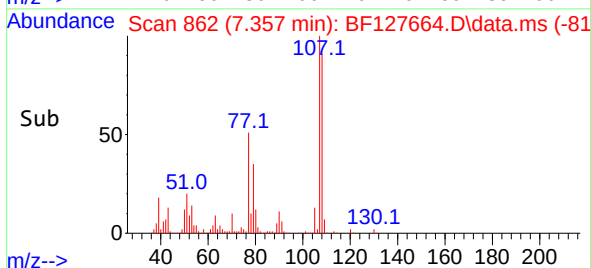
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

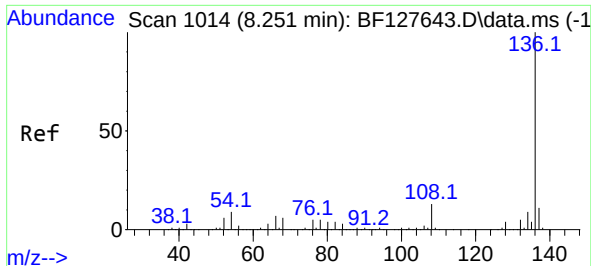


#20
3+4-Methylphenols
Concen: 46.098 ng
RT: 7.357 min Scan# 862
Delta R.T. -0.006 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02



Tgt Ion:107 Resp: 310791
Ion Ratio Lower Upper
107 100
108 90.6 70.7 110.7
77 51.3 127.9 167.9#
79 34.6 16.8 56.8





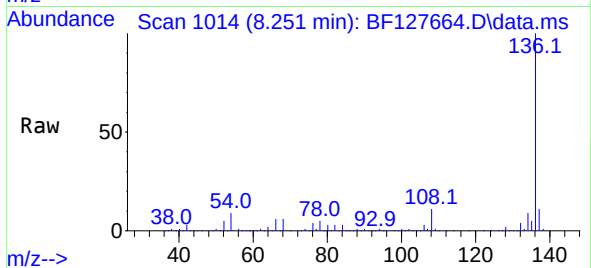
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.251 min Scan# 1014
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMMSD

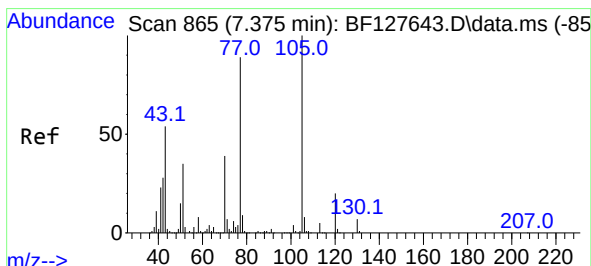
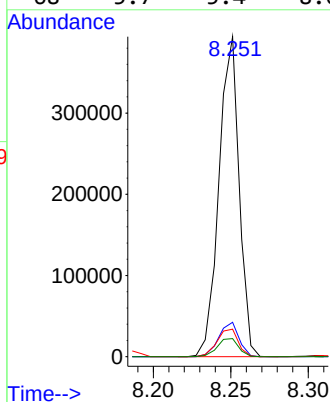
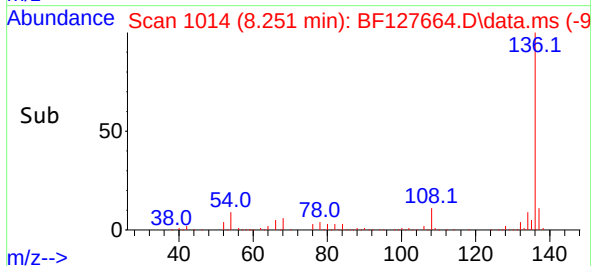


Tgt Ion:136 Resp: 357037
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.6 9.2 13.8
68 5.7 5.4 8.0

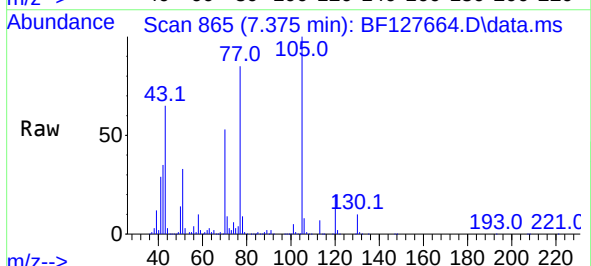
Manual Integrations

APPROVED

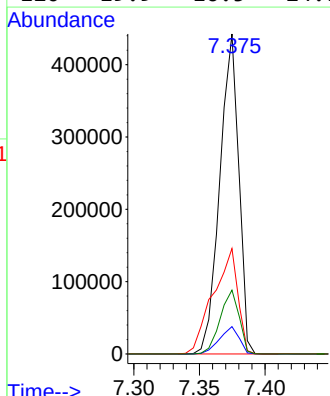
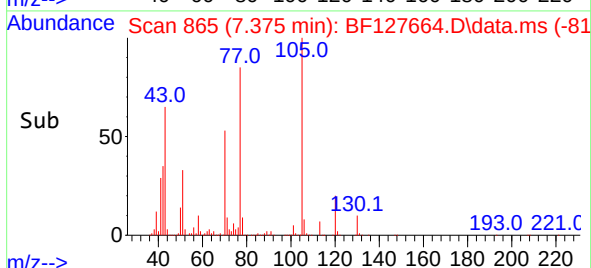
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

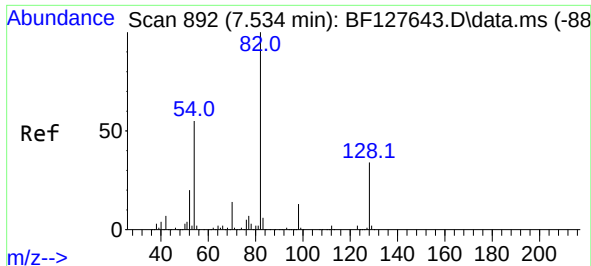


#22
Acetophenone
Concen: 46.337 ng
RT: 7.375 min Scan# 865
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02



Tgt Ion:105 Resp: 444564
Ion Ratio Lower Upper
105 100
71 8.6 7.3 10.9
51 32.9 38.8 58.2
120 19.9 16.5 24.7





#23

Nitrobenzene-d5

Concen: 90.457 ng

RT: 7.528 min Scan# 891

Delta R.T. -0.006 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

Instrument :

BNA_F

ClientSampleId :

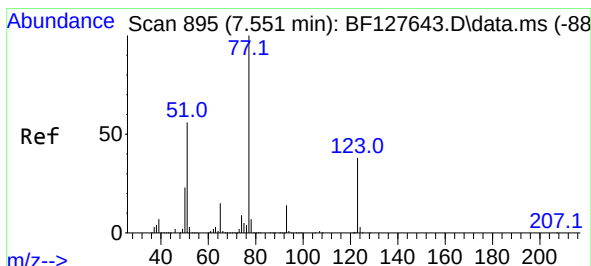
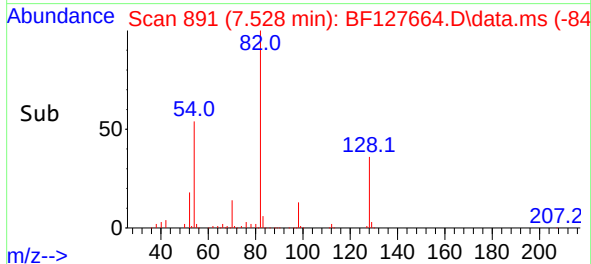
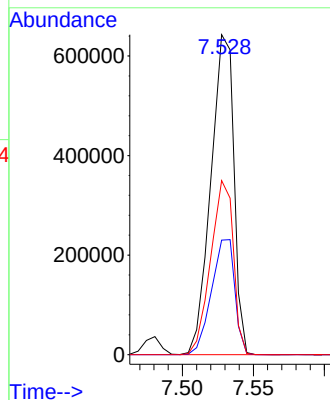
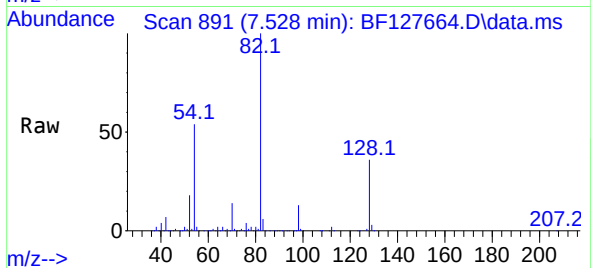
SOIL-DRUMMSD

Tgt Ion: 82 Resp: 724438
 Ion Ratio Lower Upper
 82 100
 128 35.8 30.6 45.8
 54 54.4 48.2 72.2

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/07/2022
 Supervised By :Jagrut Upadhyay 04/07/2022



#24

Nitrobenzene

Concen: 48.232 ng

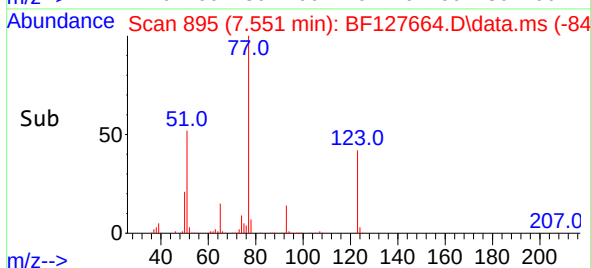
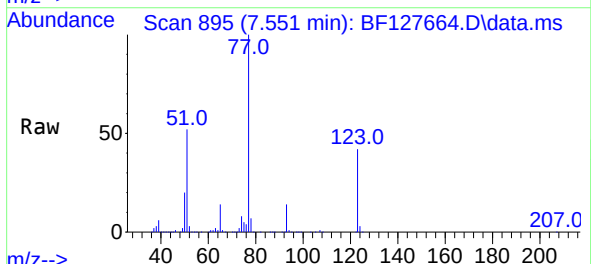
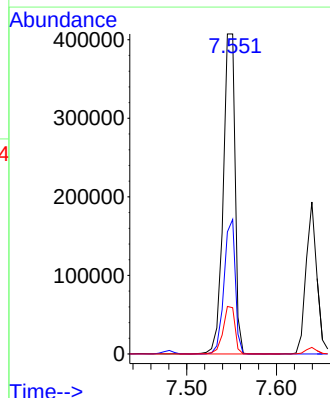
RT: 7.551 min Scan# 895

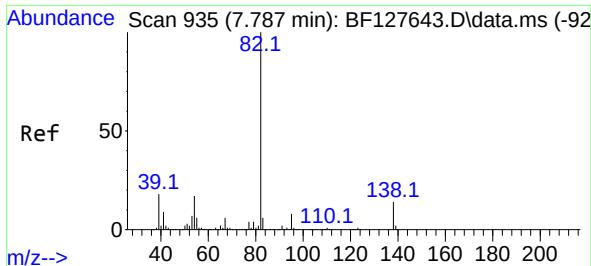
Delta R.T. -0.000 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

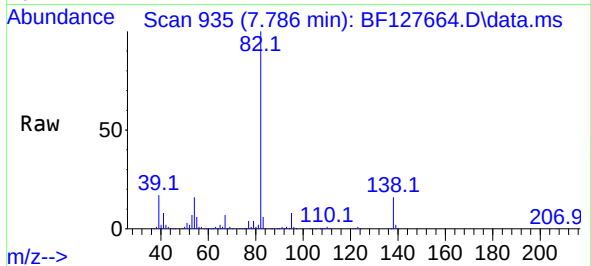
Tgt Ion: 77 Resp: 374446
 Ion Ratio Lower Upper
 77 100
 123 42.1 32.0 48.0
 65 14.4 12.2 18.2





#25
Isophorone
Concen: 49.851 ng
RT: 7.786 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

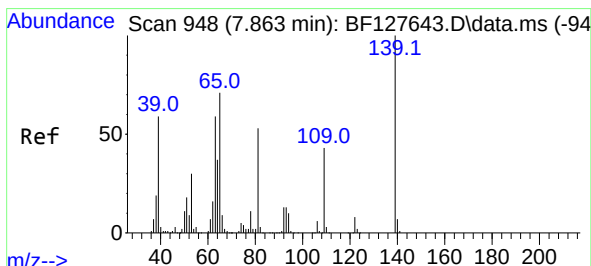
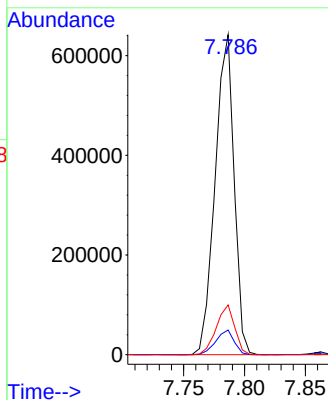
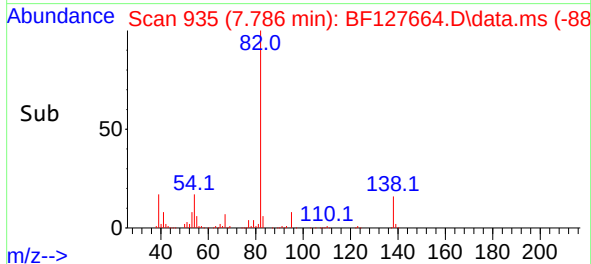
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMMSD



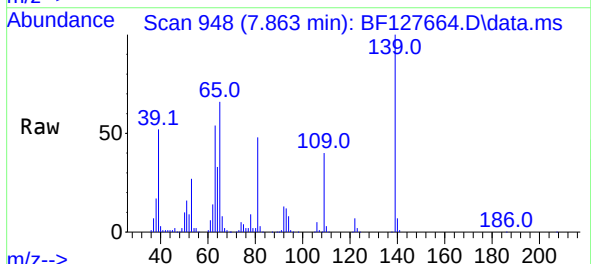
Tgt Ion: 82 Resp: 696640
Ion Ratio Lower Upper
82 100
95 7.7 5.8 8.8
138 15.6 11.6 17.4

Manual Integrations
APPROVED

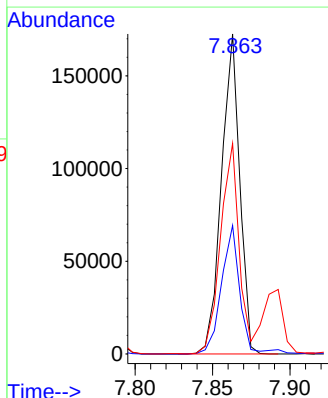
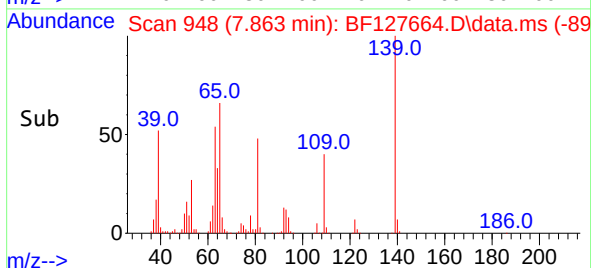
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

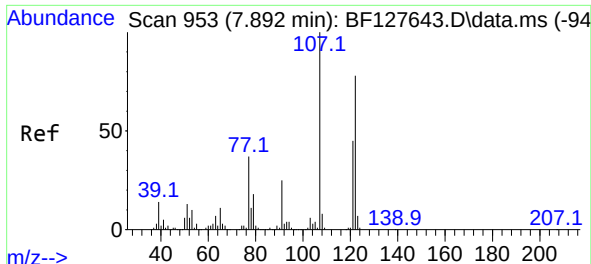


#26
2-Nitrophenol
Concen: 50.746 ng
RT: 7.863 min Scan# 948
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02



Tgt Ion:139 Resp: 141580
Ion Ratio Lower Upper
139 100
109 40.2 28.2 42.2
65 65.8 55.3 82.9





#27
2,4-Dimethylphenol
Concen: 51.363 ng
RT: 7.892 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

Instrument :

BNA_F

ClientSampleId :

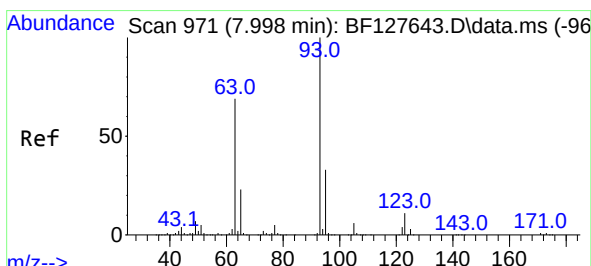
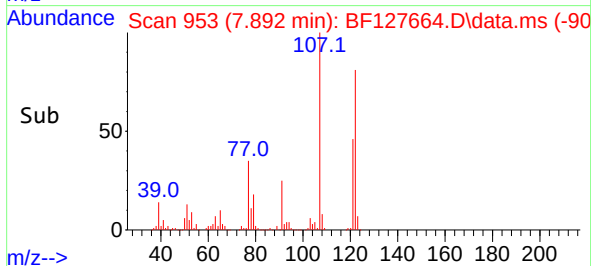
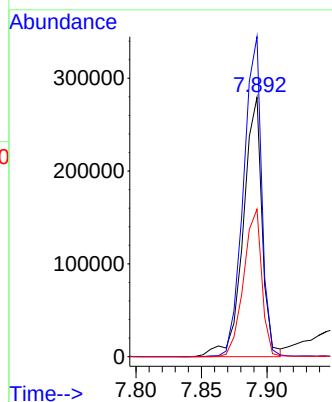
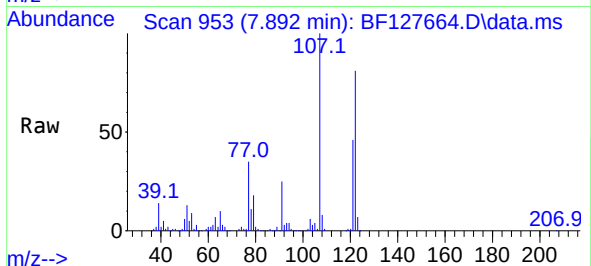
SOIL-DRUMMSD

Tgt Ion:122 Resp: 28056
Ion Ratio Lower Upper
122 100
107 123.4 93.0 139.4
121 56.9 44.9 67.3

Manual Integrations

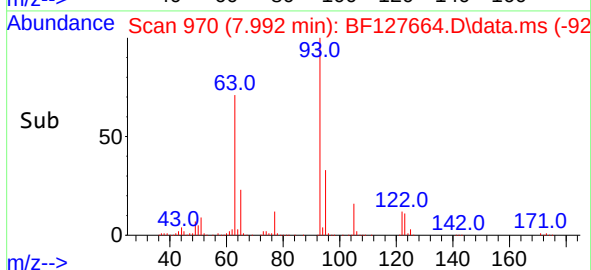
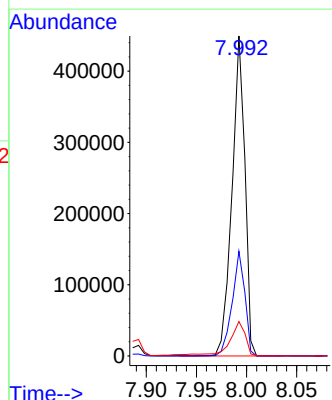
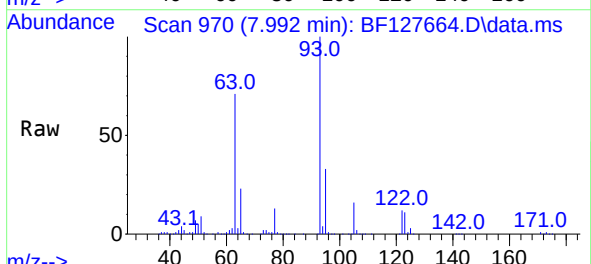
APPROVED

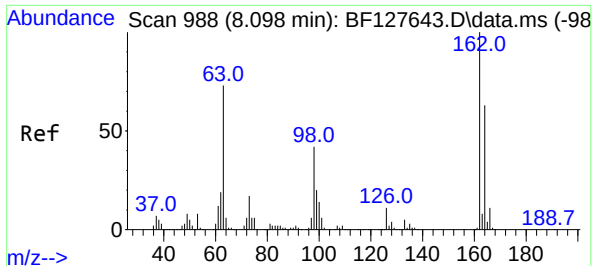
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#28
bis(2-Chloroethoxy)methane
Concen: 46.443 ng
RT: 7.992 min Scan# 970
Delta R.T. -0.006 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

Tgt Ion: 93 Resp: 400191
Ion Ratio Lower Upper
93 100
95 32.7 26.3 39.5
123 10.8 8.0 12.0





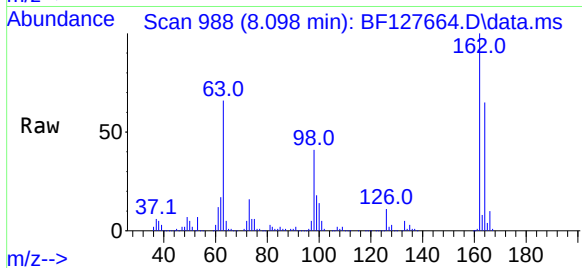
#29
2,4-Dichlorophenol
Concen: 45.896 ng
RT: 8.098 min Scan# 98
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMMSD

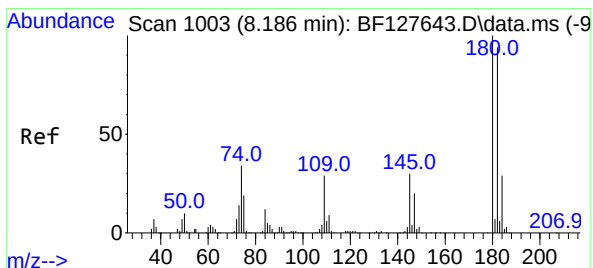
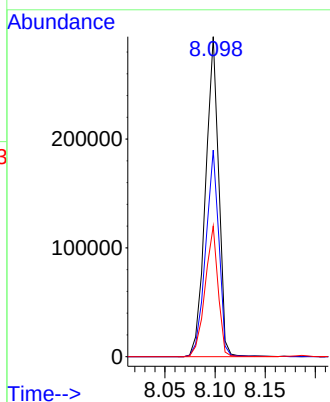
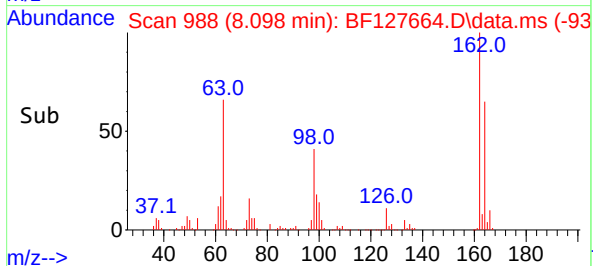


Tgt Ion:162 Resp: 270068
Ion Ratio Lower Upper
162 100
164 64.5 43.7 83.7
98 40.8 23.5 63.5

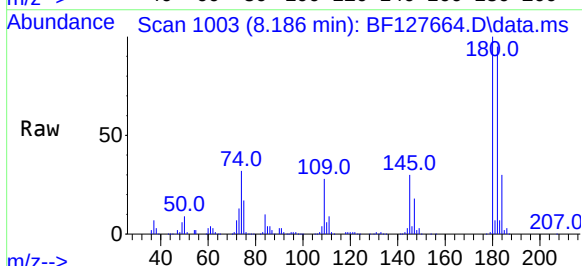
Manual Integrations

APPROVED

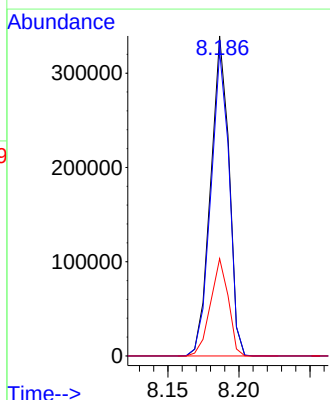
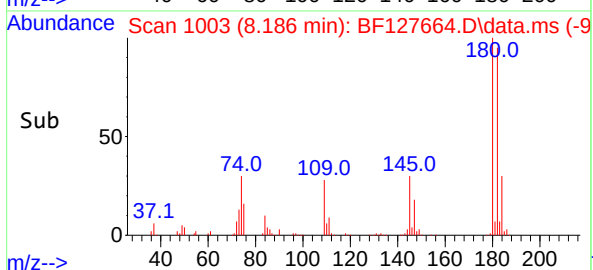
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

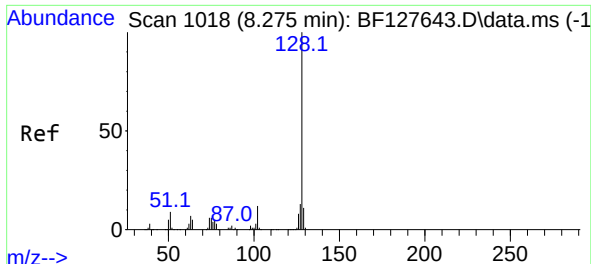


#30
1,2,4-Trichlorobenzene
Concen: 45.022 ng
RT: 8.186 min Scan# 1003
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02



Tgt Ion:180 Resp: 304900
Ion Ratio Lower Upper
180 100
182 95.3 73.8 110.6
145 30.4 23.3 34.9





#31
Naphthalene
Concen: 46.637 ng
RT: 8.275 min Scan# 1018
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

Instrument :

BNA_F

ClientSampleId :

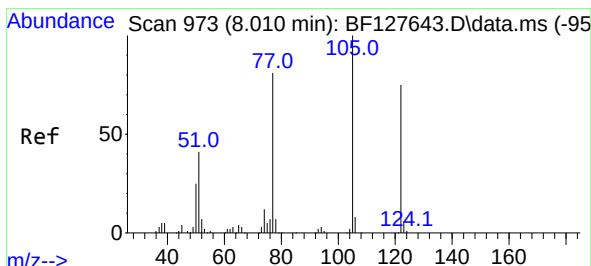
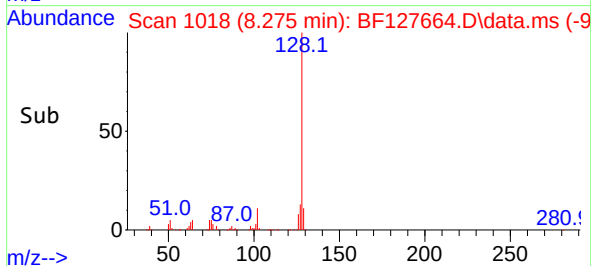
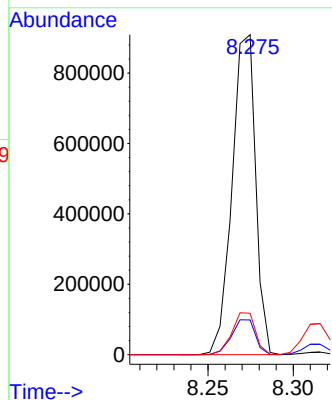
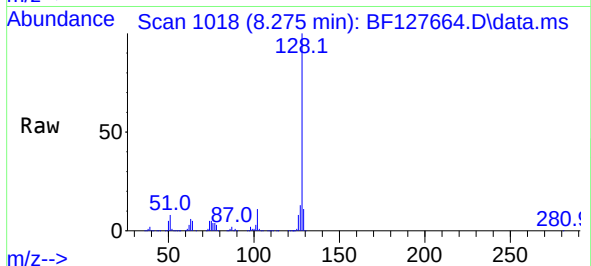
SOIL-DRUMMSD

Tgt Ion:128 Resp: 872520
Ion Ratio Lower Upper
128 100
129 10.9 8.4 12.6
127 13.0 10.2 15.2

Manual Integrations

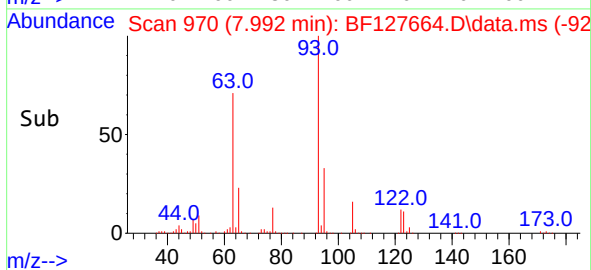
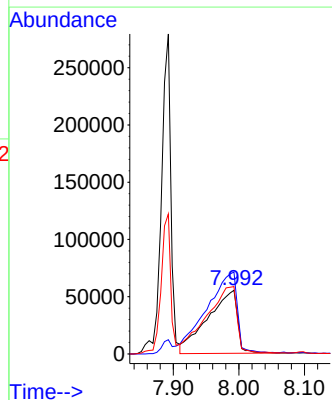
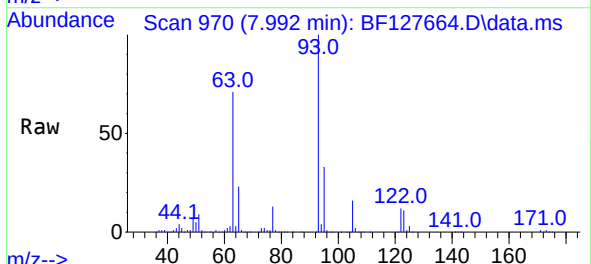
APPROVED

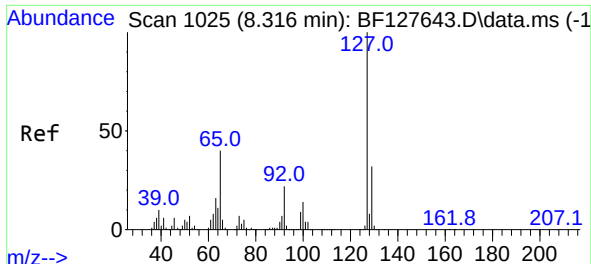
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#32
Benzoic acid
Concen: 44.148 ng
RT: 7.992 min Scan# 970
Delta R.T. -0.018 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

Tgt Ion:122 Resp: 174960
Ion Ratio Lower Upper
122 100
105 128.8 117.1 157.1
77 106.0 93.0 133.0





#33

4-Chloroaniline

Concen: 14.919 ng

RT: 8.316 min Scan# 1025

Delta R.T. -0.000 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMMSD

Tgt Ion:127 Resp: 10992

Ion Ratio Lower Upper

127 100

129 33.5 25.9 38.9

65 35.2 31.4 47.0

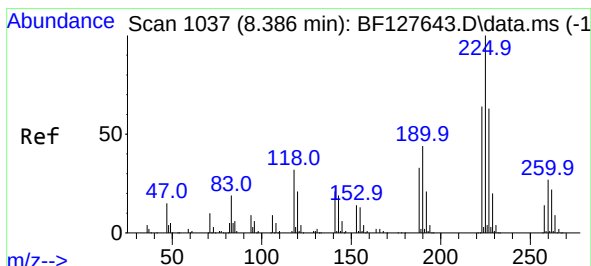
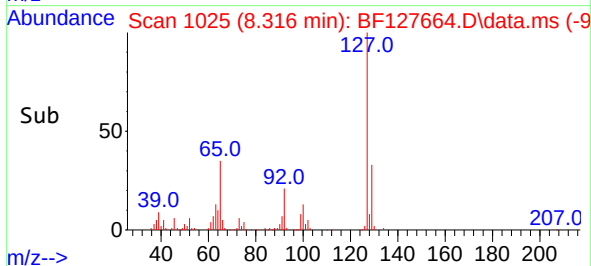
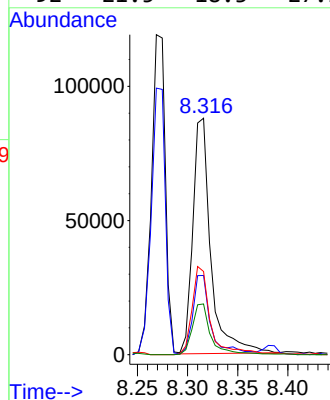
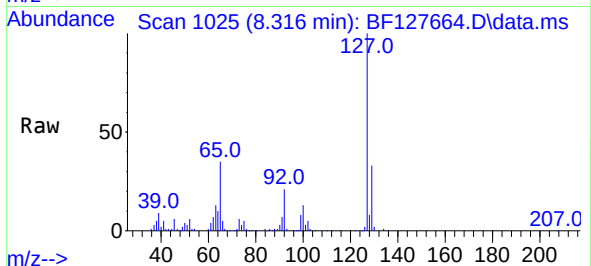
92 21.5 18.3 27.5

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/07/2022

Supervised By :Jagrut Upadhyay 04/07/2022



#34

Hexachlorobutadiene

Concen: 43.549 ng

RT: 8.386 min Scan# 1037

Delta R.T. -0.000 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

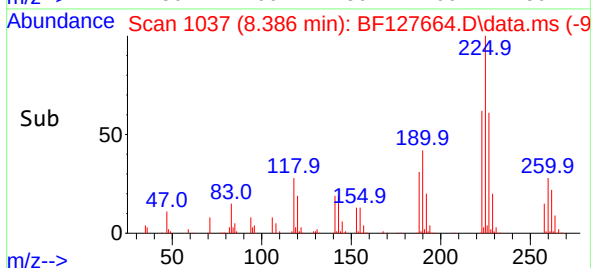
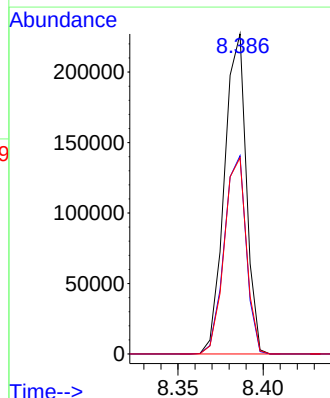
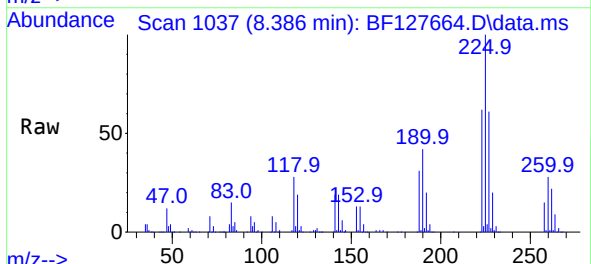
Tgt Ion:225 Resp: 202874

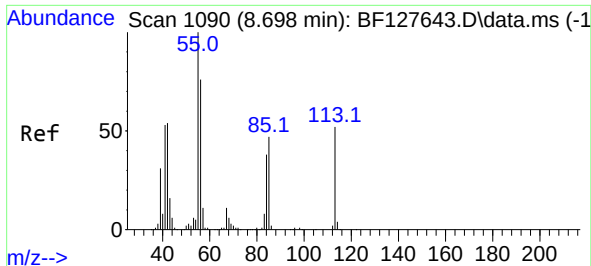
Ion Ratio Lower Upper

225 100

223 62.0 50.6 76.0

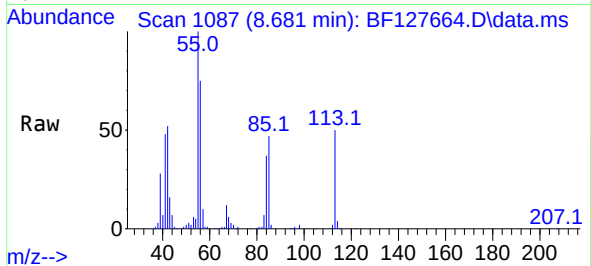
227 61.3 49.6 74.4





#35
Caprolactam
Concen: 41.614 ng m
RT: 8.681 min Scan# 1090
Delta R.T. -0.018 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

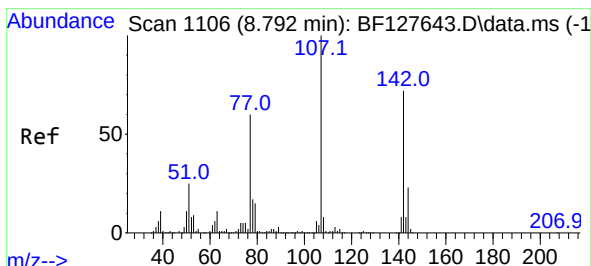
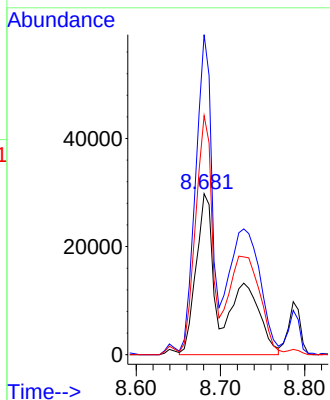
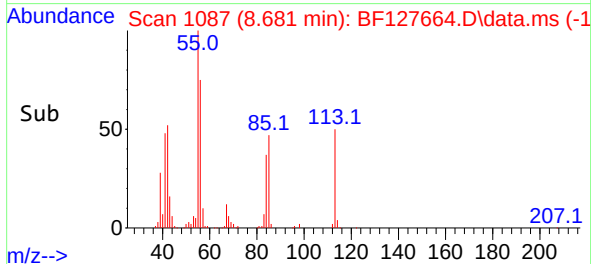
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMMSD



Tgt Ion:113 Resp: 7237
Ion Ratio Lower Upper
113 100
55 198.8 218.7 258.7
56 148.5 156.2 196.2

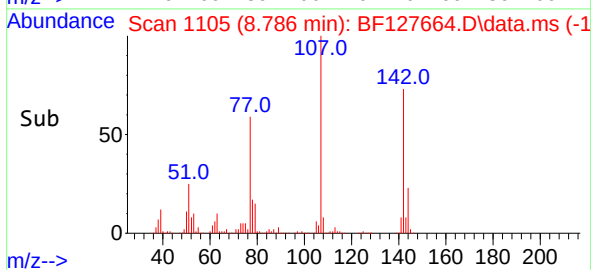
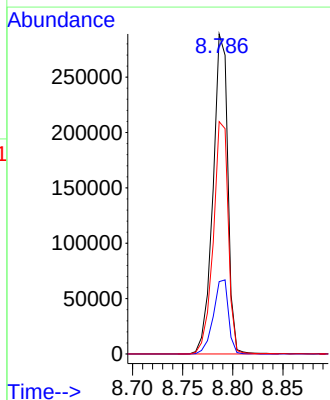
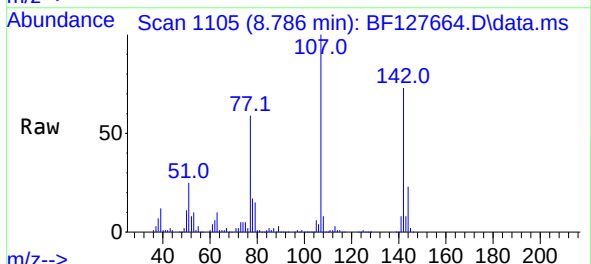
Manual Integrations
APPROVED

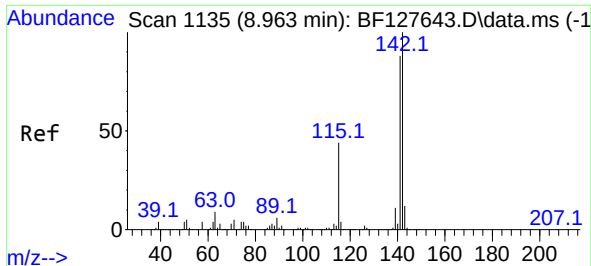
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#36
4-Chloro-3-methylphenol
Concen: 48.216 ng
RT: 8.786 min Scan# 1105
Delta R.T. -0.006 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

Tgt Ion:107 Resp: 297452
Ion Ratio Lower Upper
107 100
144 22.6 19.3 28.9
142 72.6 59.8 89.8





#37
2-Methylnaphthalene
Concen: 47.304 ng
RT: 8.963 min Scan# 1135
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

Instrument :

BNA_F

ClientSampleId :

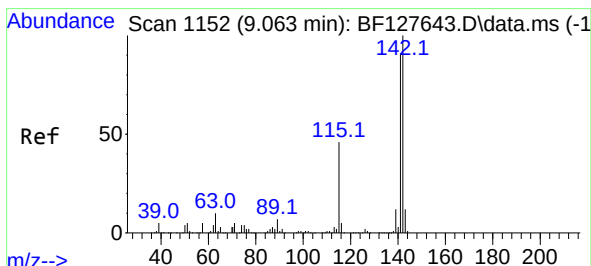
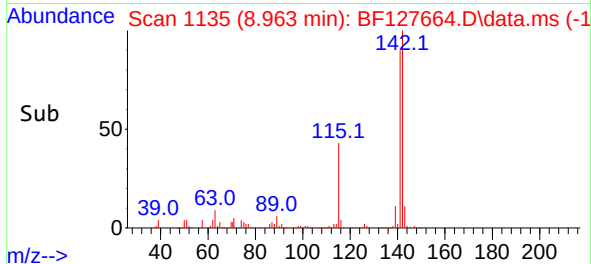
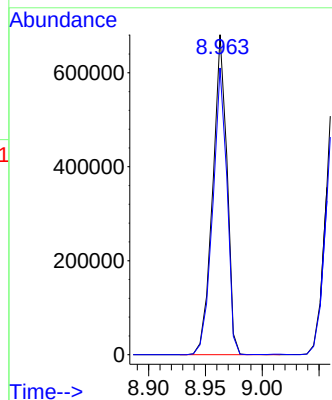
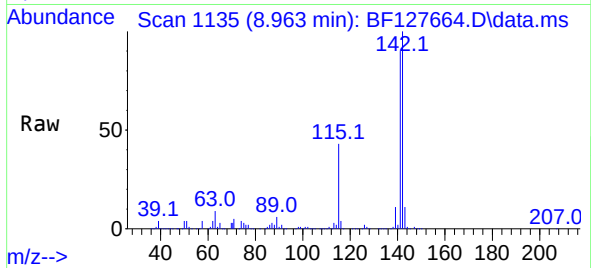
SOIL-DRUMMSD

Tgt Ion:142 Resp: 591915
Ion Ratio Lower Upper
142 100
141 89.6 70.6 106.0

Manual Integrations

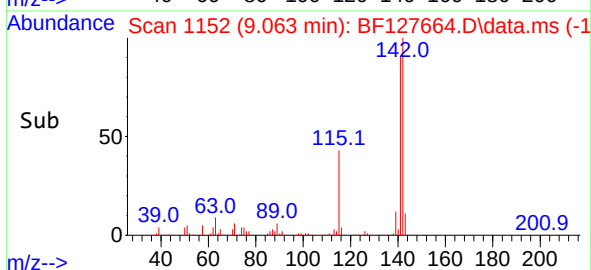
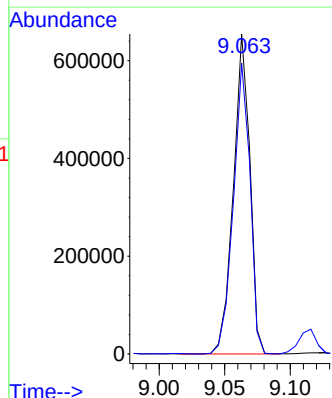
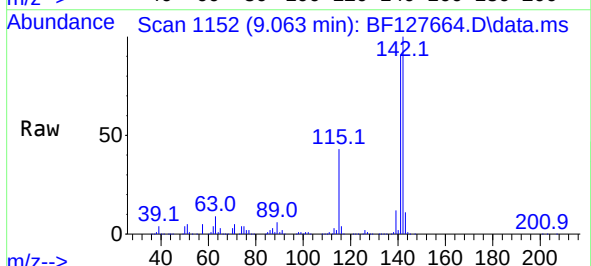
APPROVED

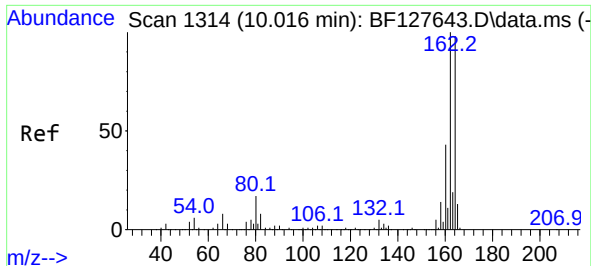
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#38
1-Methylnaphthalene
Concen: 47.514 ng
RT: 9.063 min Scan# 1152
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

Tgt Ion:142 Resp: 573865
Ion Ratio Lower Upper
142 100
141 90.8 74.2 111.2





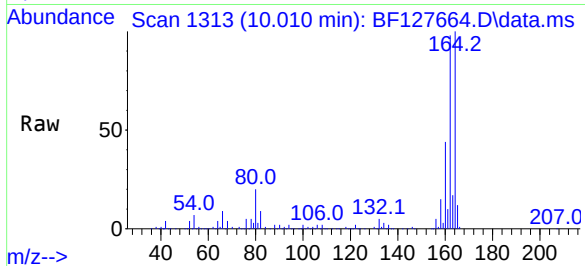
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 10.010 min Scan# 1163
Delta R.T. -0.006 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMMSD

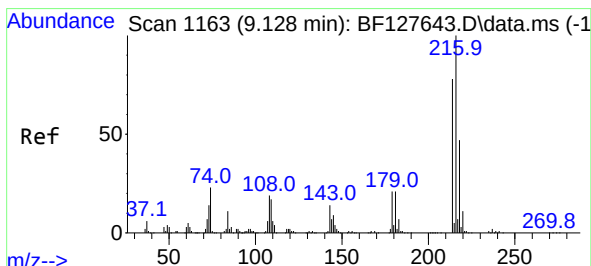
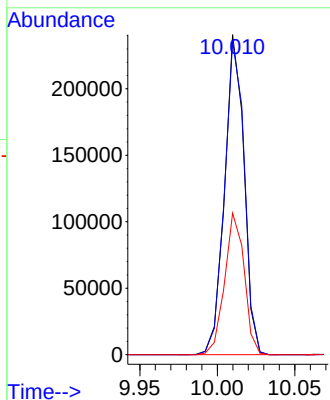
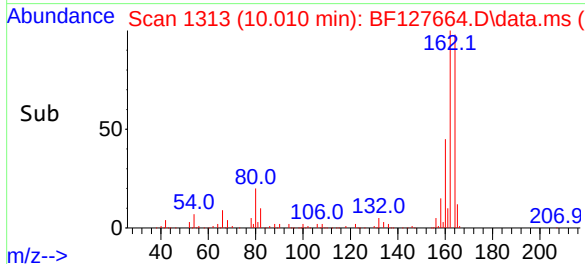


Tgt Ion:164 Resp: 208815
Ion Ratio Lower Upper
164 100
162 98.0 81.2 121.8
160 44.3 34.6 52.0

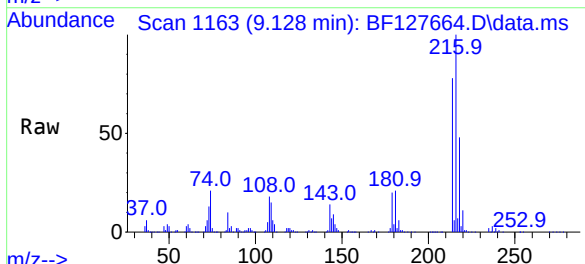
Manual Integrations

APPROVED

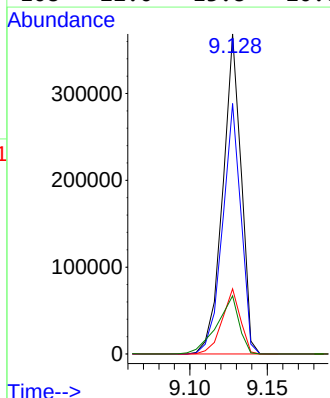
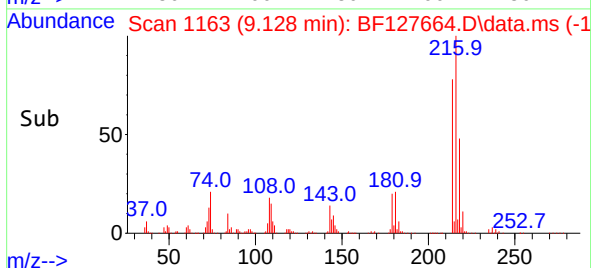
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

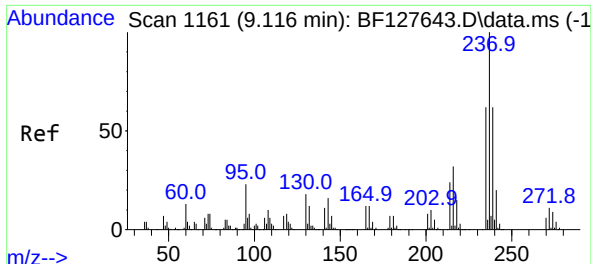


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.383 ng
RT: 9.128 min Scan# 1163
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02



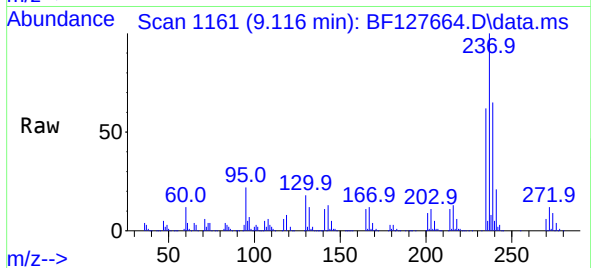
Tgt Ion:216 Resp: 303978
Ion Ratio Lower Upper
216 100
214 78.0 63.0 94.4
179 20.2 15.5 23.3
108 22.0 13.8 20.6





#41
Hexachlorocyclopentadiene
Concen: 94.909 ng
RT: 9.116 min Scan# 1161
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

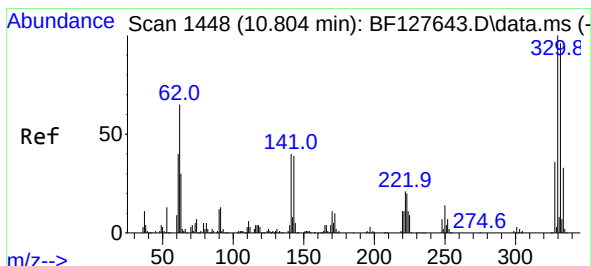
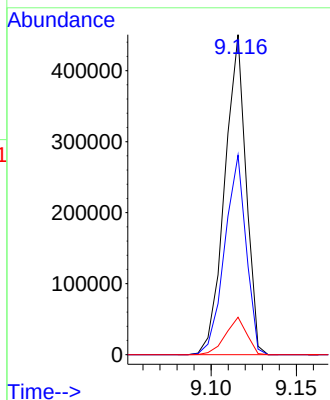
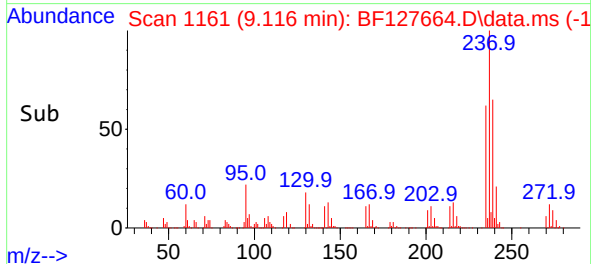
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMMSD



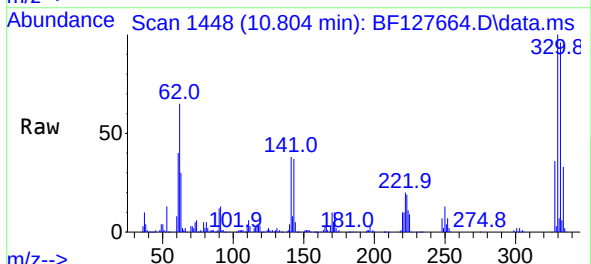
Tgt Ion:237 Resp: 391562
Ion Ratio Lower Upper
237 100
235 62.4 40.4 80.4
272 11.7 0.0 31.8

Manual Integrations
APPROVED

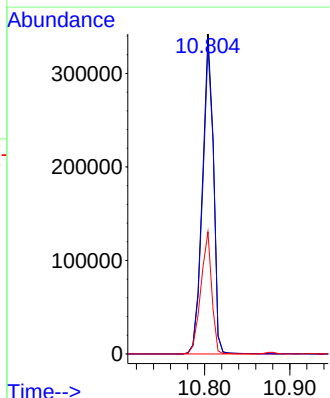
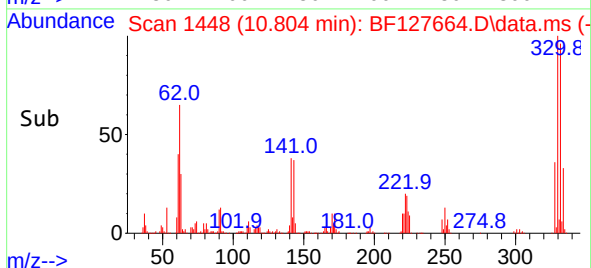
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

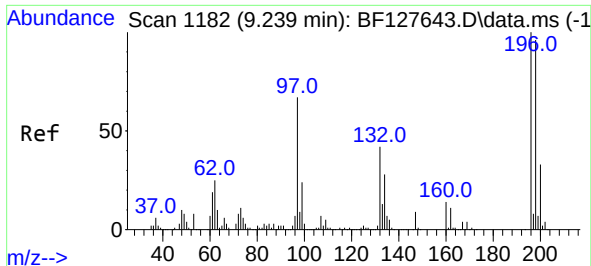


#42
2,4,6-Tribromophenol
Concen: 138.245 ng
RT: 10.804 min Scan# 1448
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02



Tgt Ion:330 Resp: 307194
Ion Ratio Lower Upper
330 100
332 96.3 79.1 118.7
141 37.6 26.2 39.4





#43

2,4,6-Trichlorophenol

Concen: 44.365 ng

RT: 9.239 min Scan# 1182

Delta R.T. -0.000 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMMSD

Tgt Ion:196 Resp: 206292

Ion Ratio Lower Upper

196 100

198 96.4 77.8 116.6

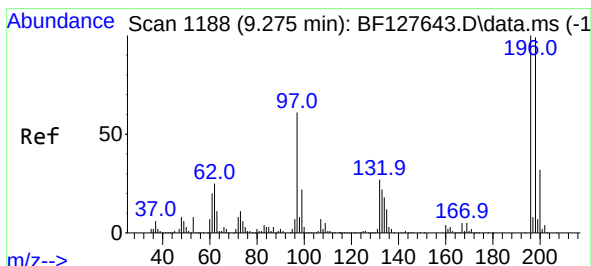
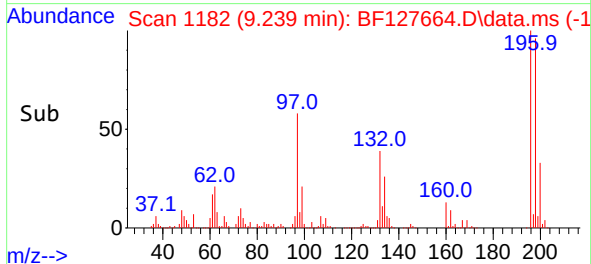
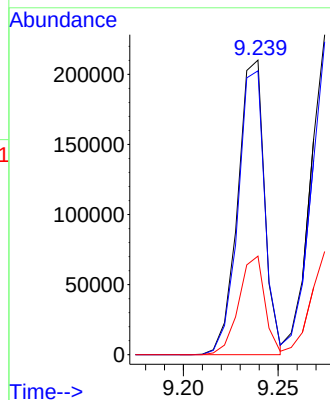
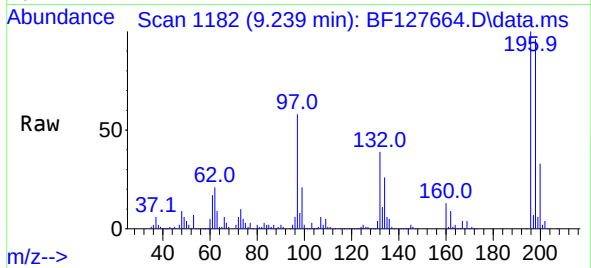
200 33.5 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 04/07/2022

Supervised By :Jagrut Upadhyay 04/07/2022



#44

2,4,5-Trichlorophenol

Concen: 47.377 ng

RT: 9.275 min Scan# 1188

Delta R.T. -0.000 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

Tgt Ion:196 Resp: 222292

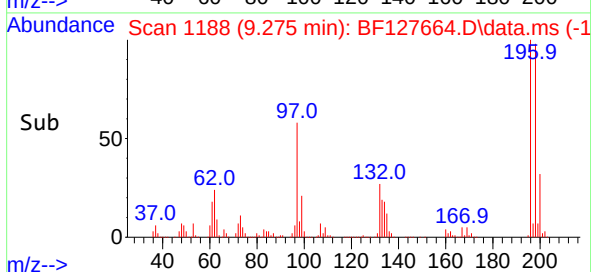
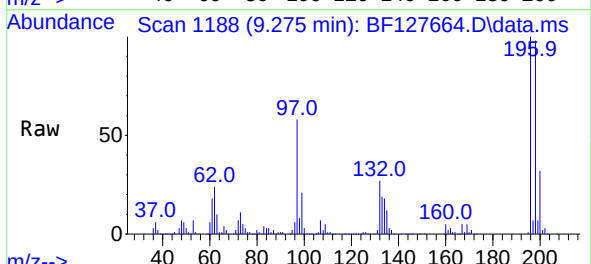
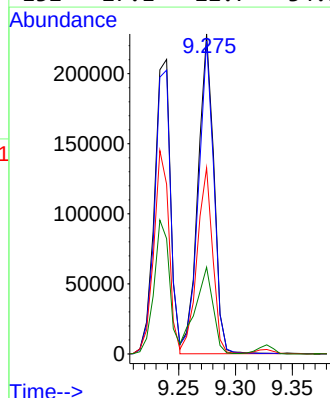
Ion Ratio Lower Upper

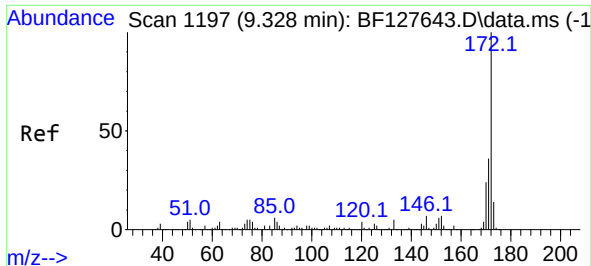
196 100

198 97.8 75.3 112.9

97 58.2 46.8 70.2

132 27.1 22.7 34.1





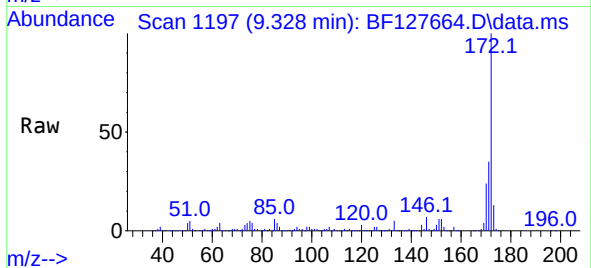
#45
2-Fluorobiphenyl
Concen: 83.918 ng
RT: 9.328 min Scan# 1197
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMMSD

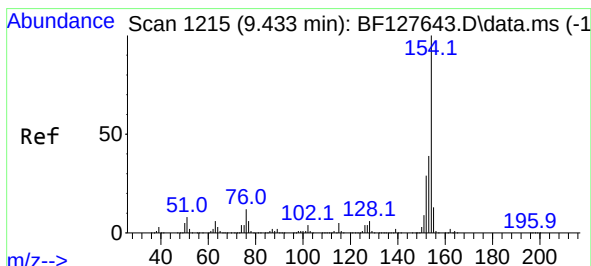
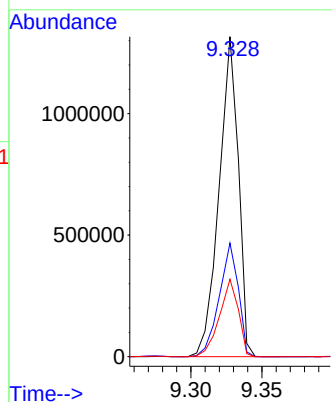
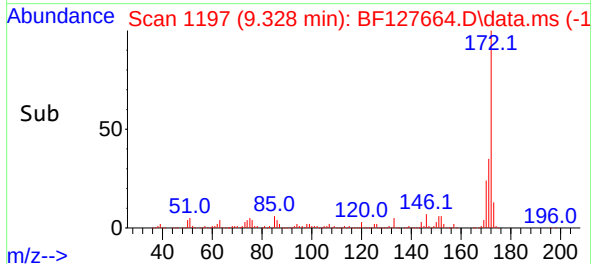


Tgt Ion:172 Resp: 1238694
Ion Ratio Lower Upper
172 100
171 35.5 28.4 42.6
170 24.2 18.6 27.8

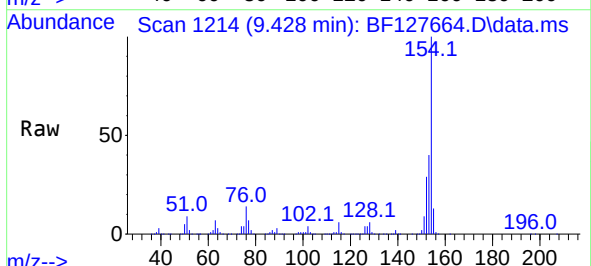
Manual Integrations

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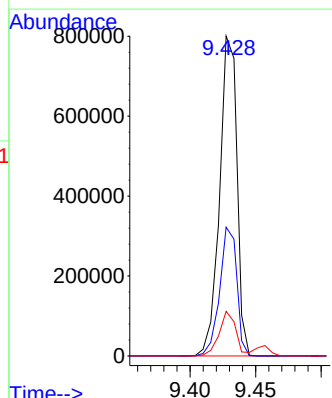
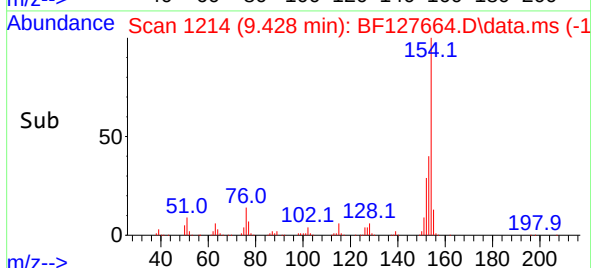
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

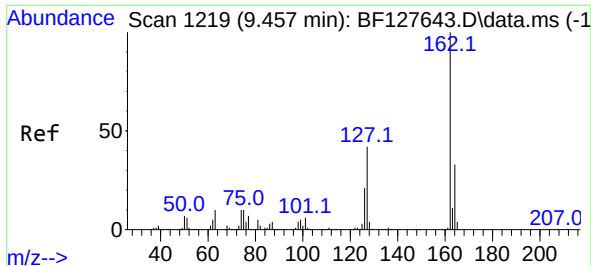


#46
1,1'-Biphenyl
Concen: 45.954 ng
RT: 9.428 min Scan# 1214
Delta R.T. -0.006 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02



Tgt Ion:154 Resp: 733883
Ion Ratio Lower Upper
154 100
153 40.2 20.3 60.3
76 13.9 0.0 33.9





#47

2-Chloronaphthalene

Concen: 45.968 ng

RT: 9.457 min Scan# 1219

Delta R.T. -0.000 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMMSD

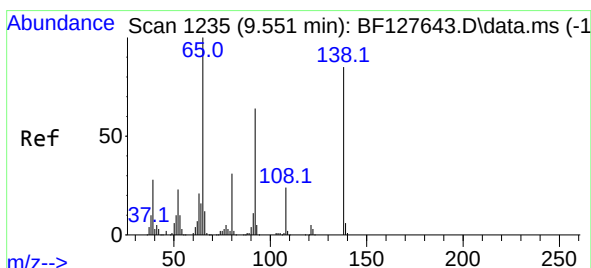
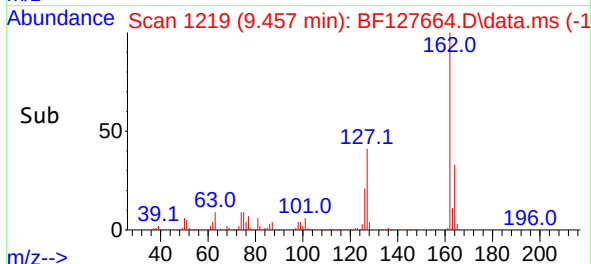
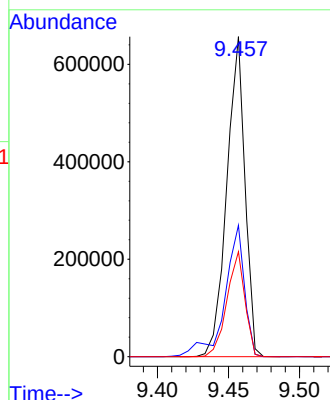
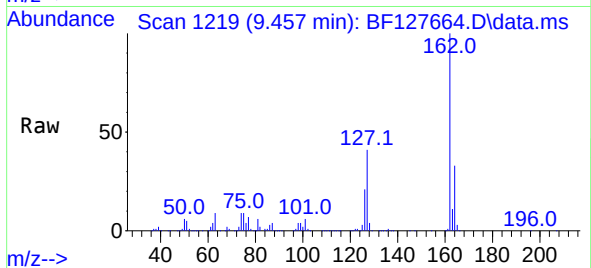
Tgt Ion:162 Resp: 58338

Ion	Ratio	Lower	Upper
162	100		
127	41.0	31.8	47.6
164	32.8	26.4	39.6

Manual Integrations

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Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#48

2-Nitroaniline

Concen: 52.807 ng

RT: 9.551 min Scan# 1235

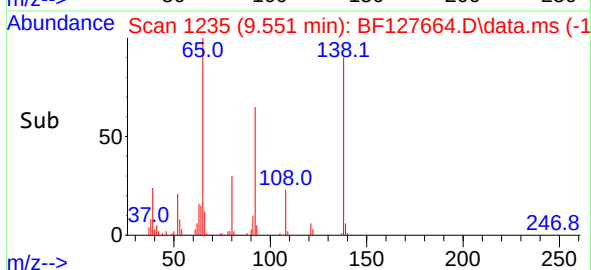
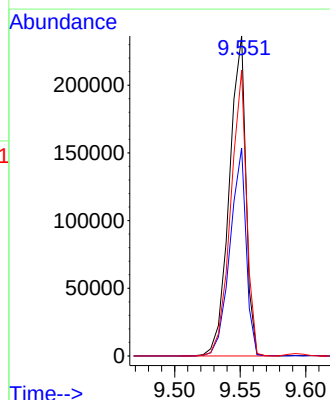
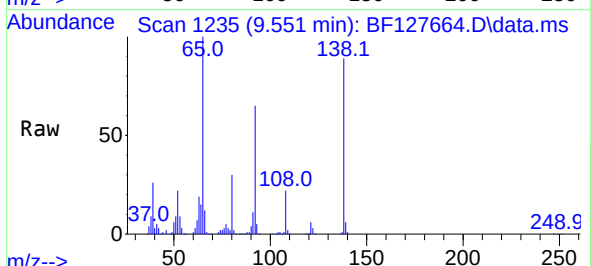
Delta R.T. -0.000 min

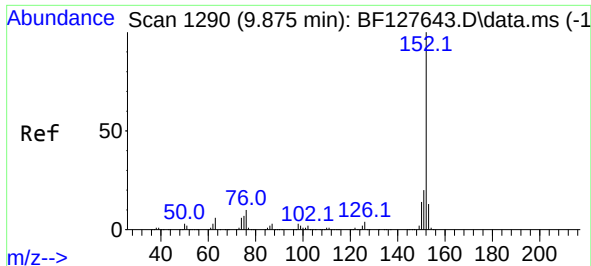
Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

Tgt Ion: 65 Resp: 208143

Ion	Ratio	Lower	Upper
65	100		
92	65.0	50.0	75.0
138	89.2	64.1	96.1





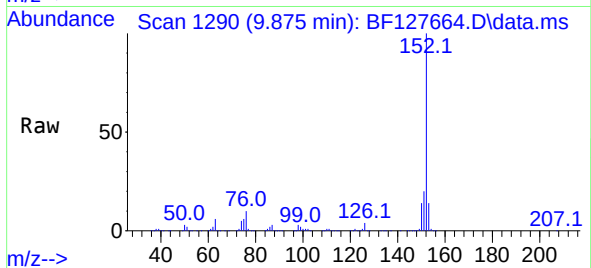
#49
Acenaphthylene
Concen: 49.806 ng
RT: 9.875 min Scan# 1290
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMMSD

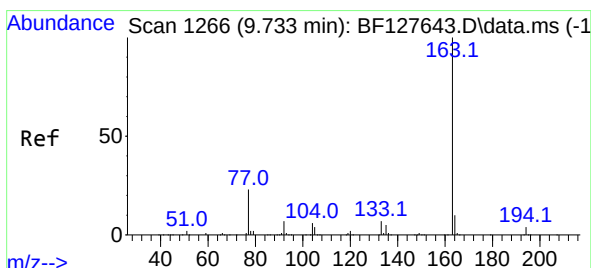
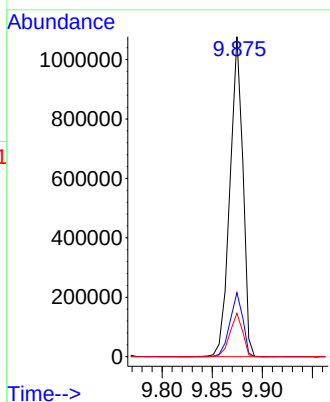
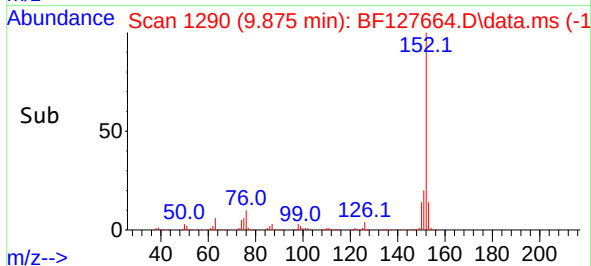


Tgt Ion:152 Resp: 961439
Ion Ratio Lower Upper
152 100
151 20.0 15.8 23.8
153 13.5 10.5 15.7

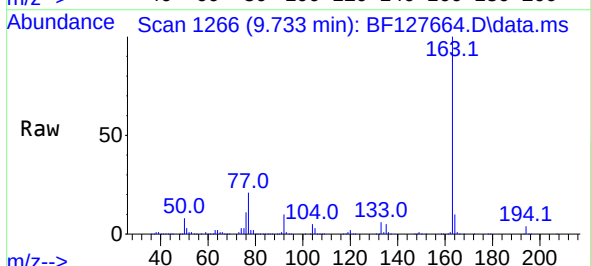
Manual Integrations

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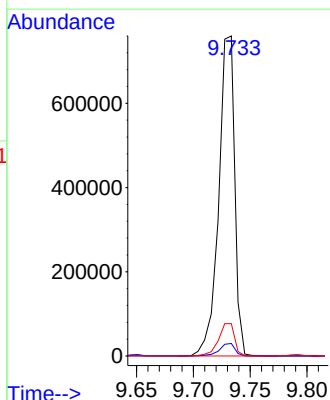
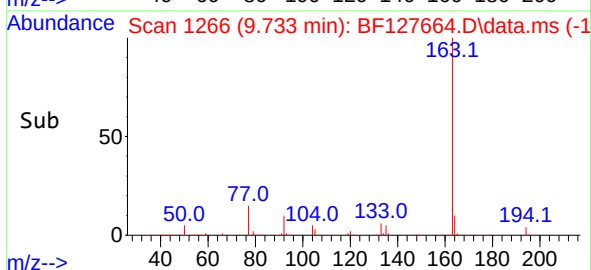
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

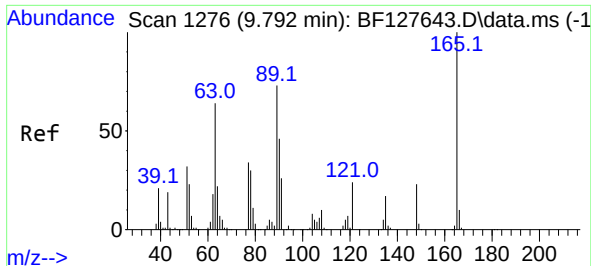


#50
Dimethylphthalate
Concen: 49.384 ng
RT: 9.733 min Scan# 1266
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02



Tgt Ion:163 Resp: 747480
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 10.1 7.8 11.8





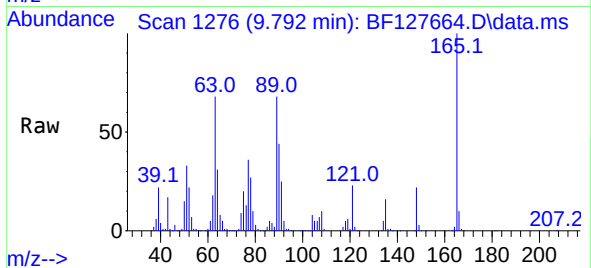
#51
2,6-Dinitrotoluene
Concen: 53.606 ng
RT: 9.792 min Scan# 1319
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

Instrument :

BNA_F

ClientSampleId :

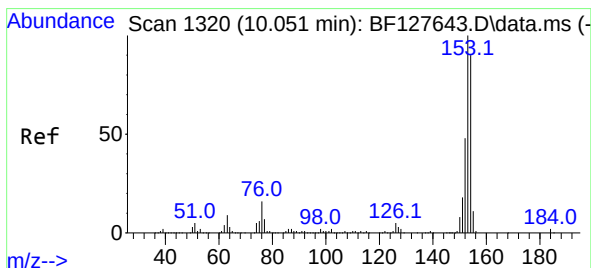
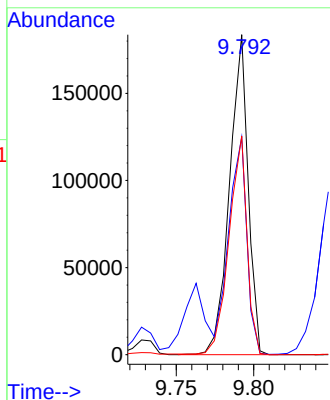
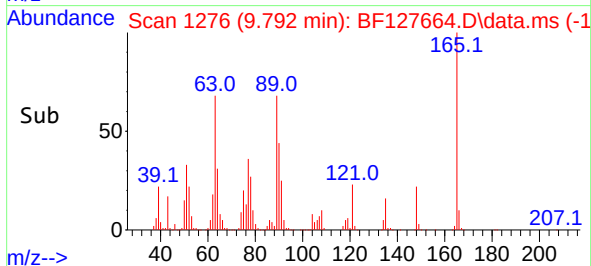
SOIL-DRUMMSD



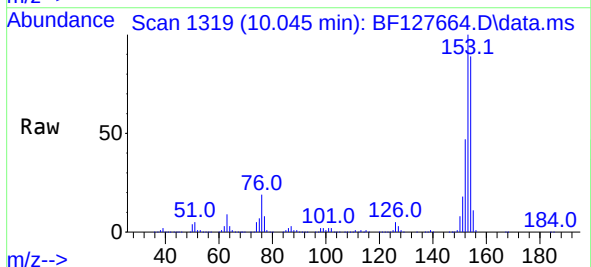
Tgt Ion:165 Resp: 15294
Ion Ratio Lower Upper
165 100
63 68.0 58.3 87.5
89 68.4 51.5 77.3

Manual Integrations
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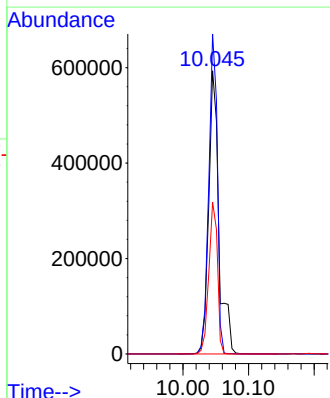
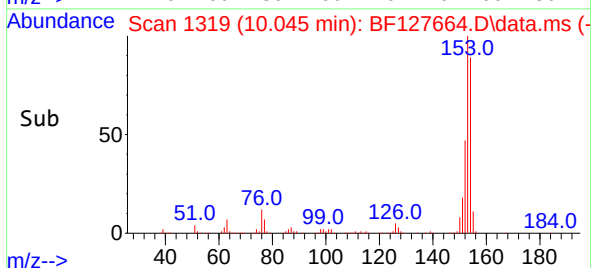
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

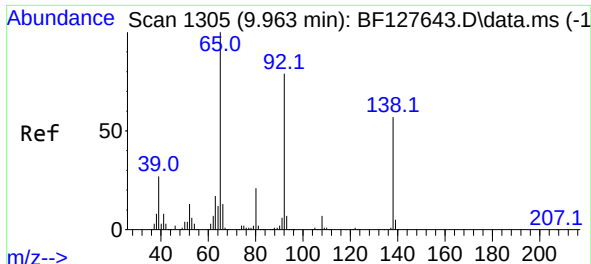


#52
Acenaphthene
Concen: 52.954 ng
RT: 10.045 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02



Tgt Ion:154 Resp: 644002
Ion Ratio Lower Upper
154 100
153 113.0 87.6 131.4
152 53.6 42.9 64.3





#53
3-Nitroaniline
Concen: 30.280 ng
RT: 9.963 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

Instrument :

BNA_F

ClientSampleId :

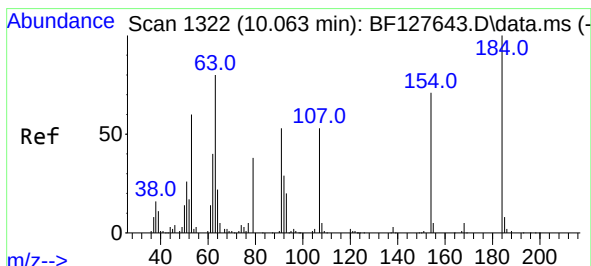
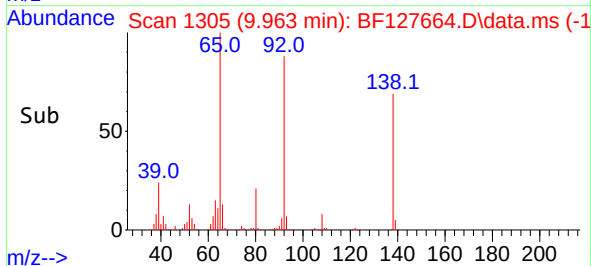
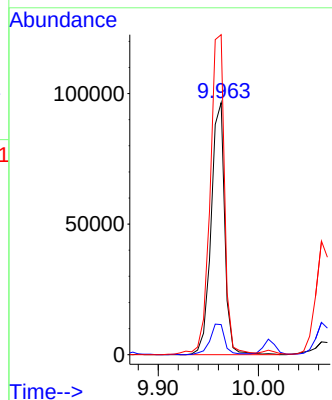
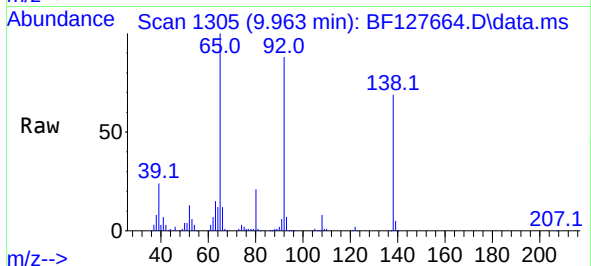
SOIL-DRUMMSD

Tgt Ion:138 Resp: 9126
Ion Ratio Lower Upper
138 100
108 12.0 9.4 14.0
92 127.0 106.1 159.1

Manual Integrations

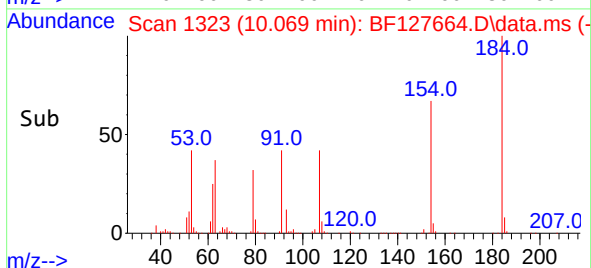
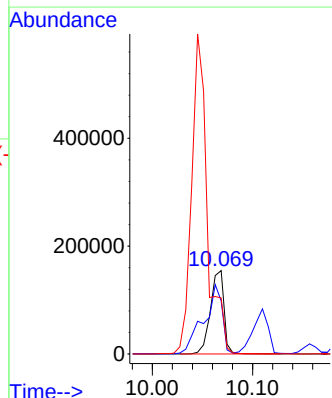
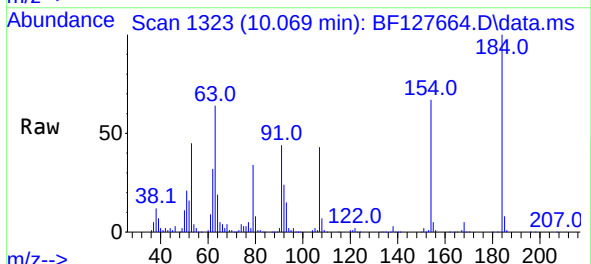
APPROVED

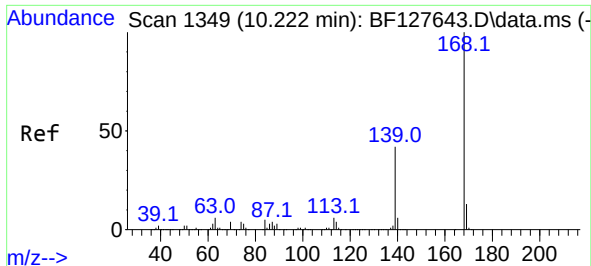
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#54
2,4-Dinitrophenol
Concen: 101.396 ng
RT: 10.069 min Scan# 1323
Delta R.T. 0.006 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

Tgt Ion:184 Resp: 145532
Ion Ratio Lower Upper
184 100
63 63.8 58.1 87.1
154 67.2 53.2 79.8





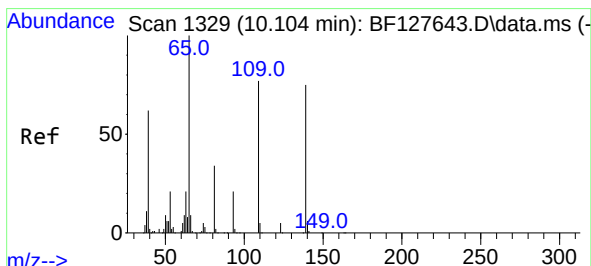
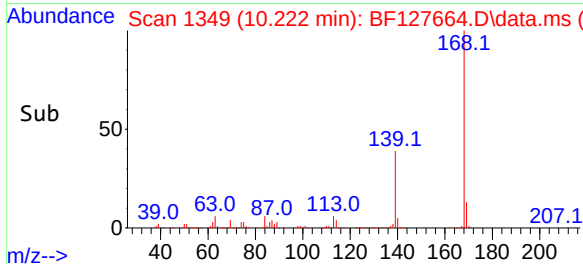
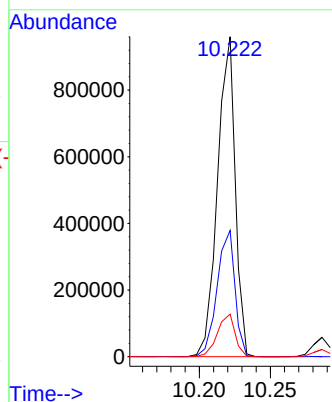
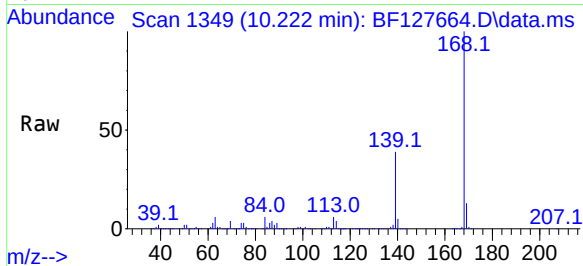
#55
Dibenzofuran
Concen: 46.849 ng
RT: 10.222 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMMSD

Tgt Ion:168 Resp: 83142
Ion Ratio Lower Upper
168 100
139 39.5 30.3 45.5
169 13.3 10.8 16.2

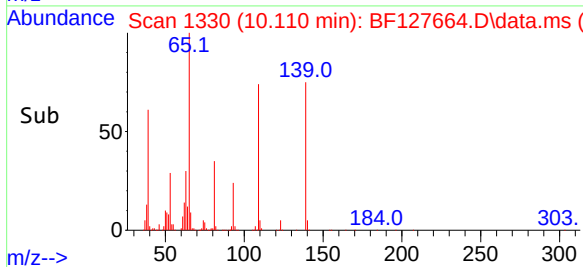
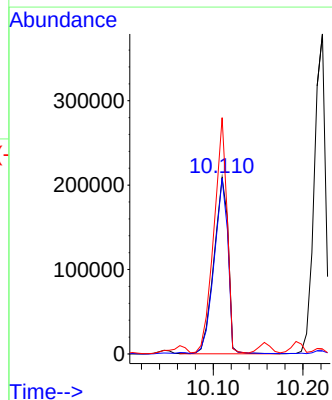
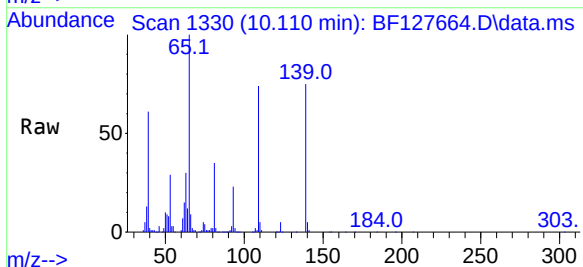
Manual Integrations
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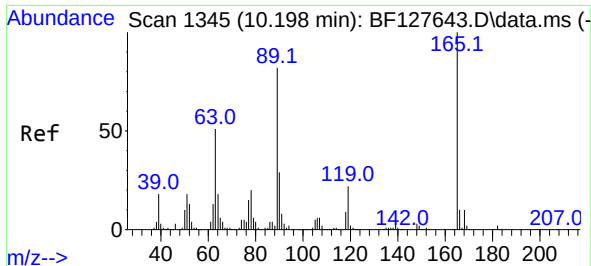
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#56
4-Nitrophenol
Concen: 97.171 ng
RT: 10.110 min Scan# 1330
Delta R.T. 0.006 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

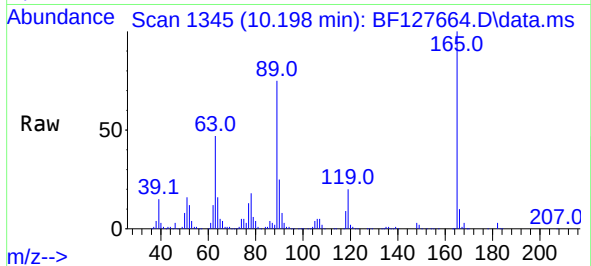
Tgt Ion:139 Resp: 230046
Ion Ratio Lower Upper
139 100
109 99.5 64.3 104.3
65 133.9 117.5 157.5





#57
2,4-Dinitrotoluene
Concen: 58.429 ng
RT: 10.198 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

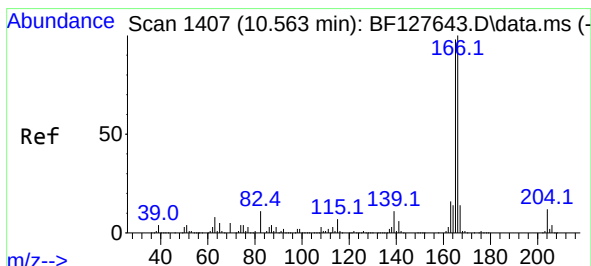
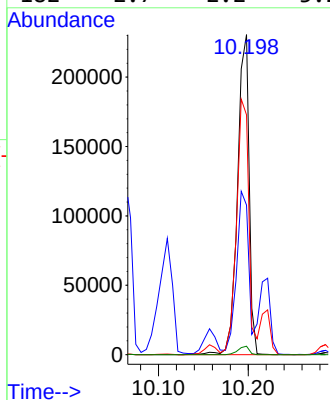
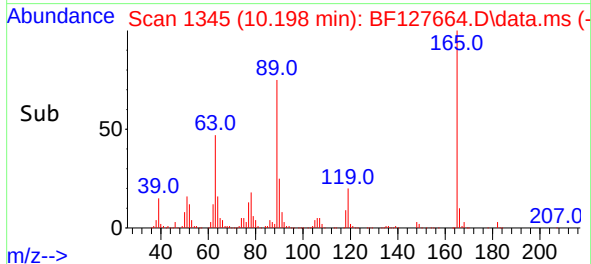
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMMSD



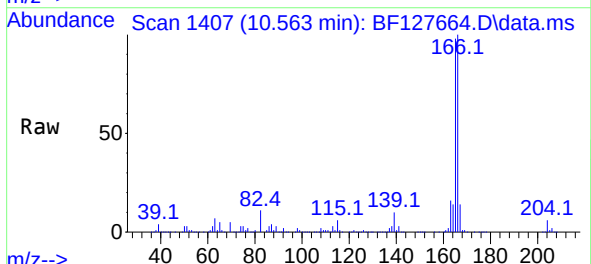
Tgt Ion:165 Resp: 206670
Ion Ratio Lower Upper
165 100
63 46.8 53.1 79.7
89 74.9 69.2 103.8
182 2.7 2.2 3.2

Manual Integrations
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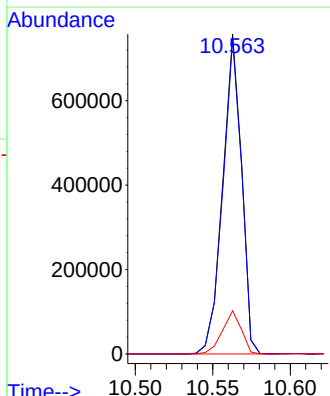
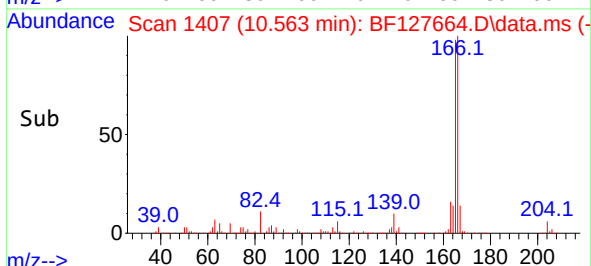
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

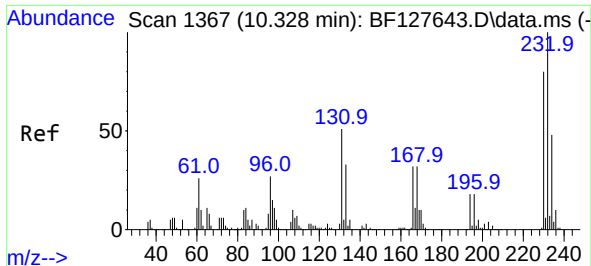


#58
Fluorene
Concen: 48.857 ng
RT: 10.563 min Scan# 1407
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02



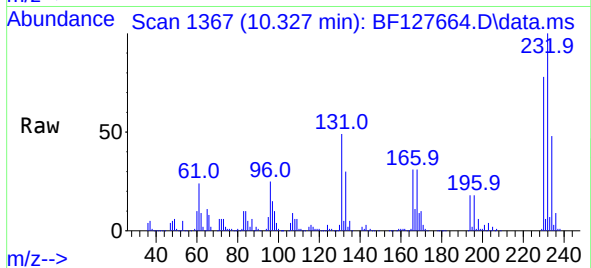
Tgt Ion:166 Resp: 640652
Ion Ratio Lower Upper
166 100
165 98.5 78.1 117.1
167 13.5 10.5 15.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 47.424 ng
RT: 10.327 min Scan# 1367
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

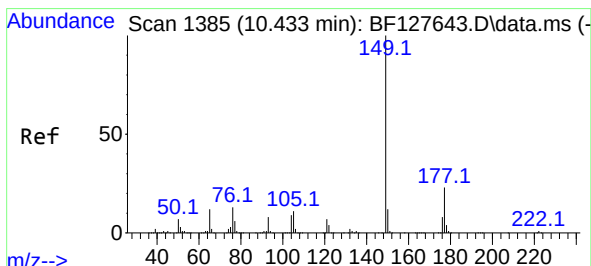
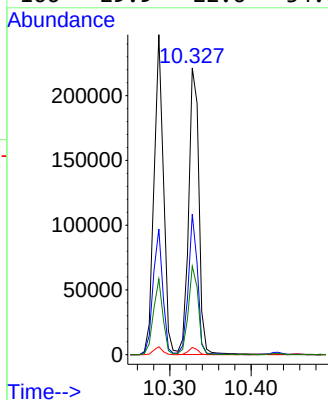
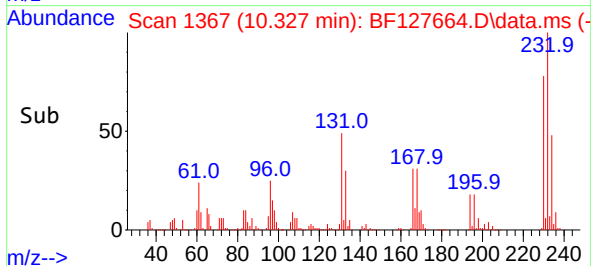
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMMSD



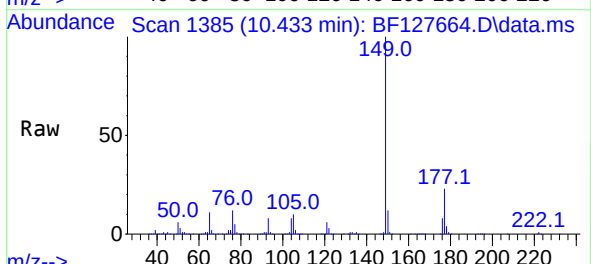
Tgt Ion:232 Resp: 193892
Ion Ratio Lower Upper
232 100
131 44.1 33.4 50.0
130 2.3 1.8 2.6
166 29.9 22.6 34.0

Manual Integrations
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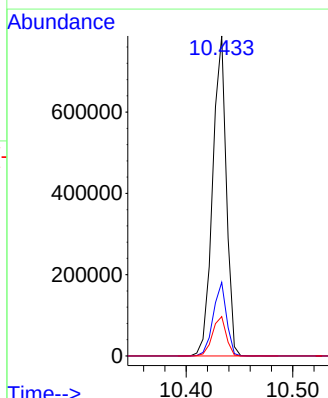
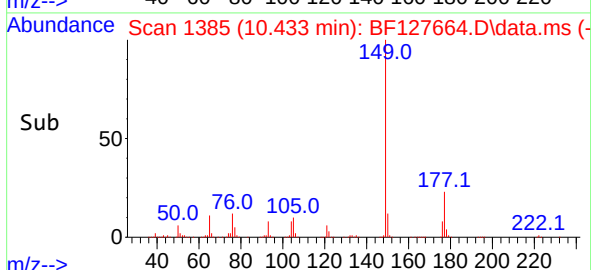
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

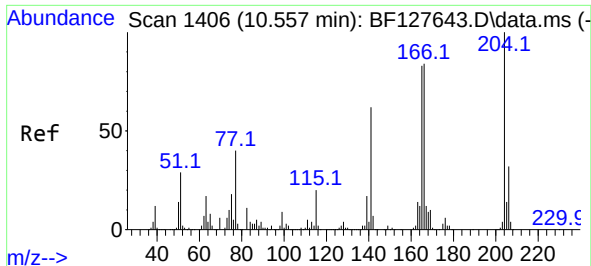


#60
Diethylphthalate
Concen: 48.351 ng
RT: 10.433 min Scan# 1385
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02



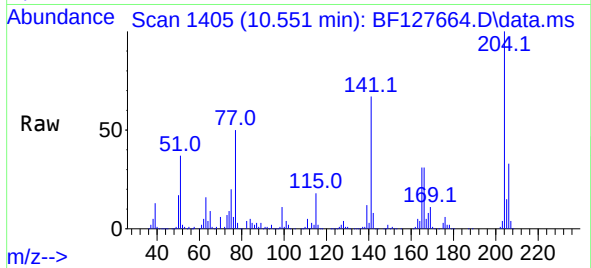
Tgt Ion:149 Resp: 700316
Ion Ratio Lower Upper
149 100
177 23.0 18.9 28.3
150 12.3 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 46.303 ng
RT: 10.551 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

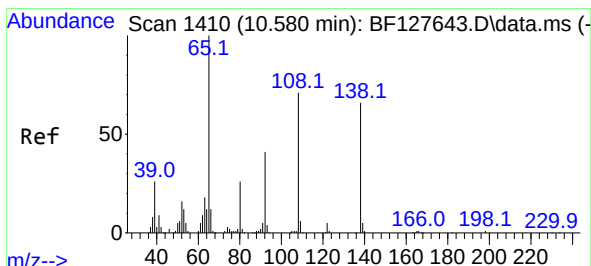
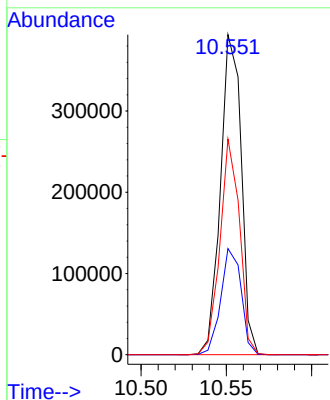
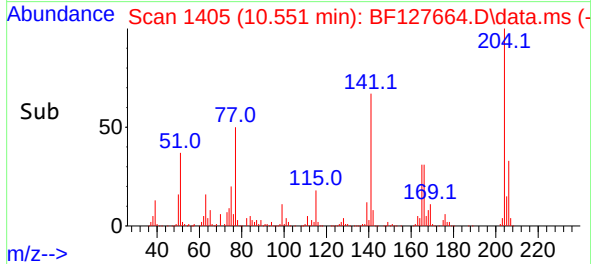
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMMSD



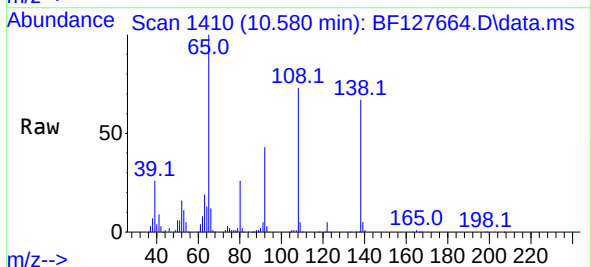
Tgt Ion:204 Resp: 333607
Ion Ratio Lower Upper
204 100
206 33.2 25.9 38.9
141 67.4 47.8 71.8

Manual Integrations
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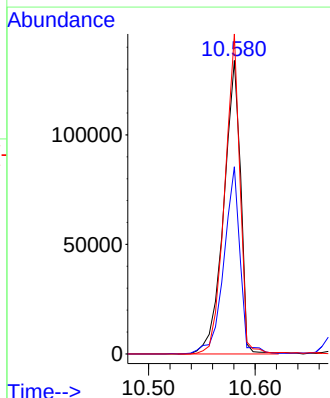
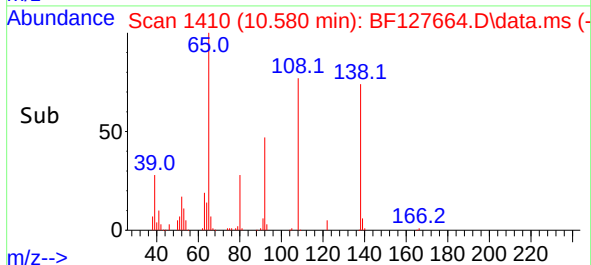
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

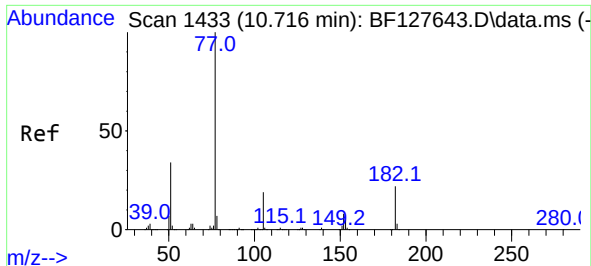


#62
4-Nitroaniline
Concen: 51.566 ng
RT: 10.580 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02



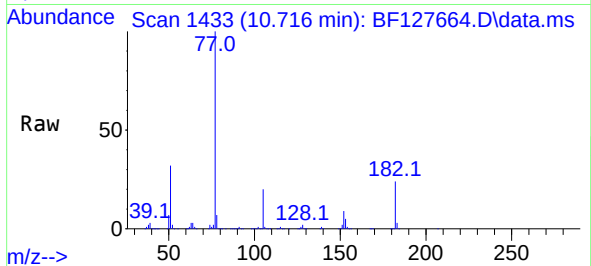
Tgt Ion:138 Resp: 146381
Ion Ratio Lower Upper
138 100
92 63.8 40.5 80.5
108 109.0 69.2 109.2





#63
Azobenzene
Concen: 46.570 ng
RT: 10.716 min Scan# 1433
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

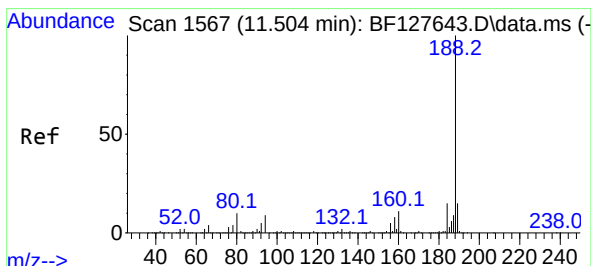
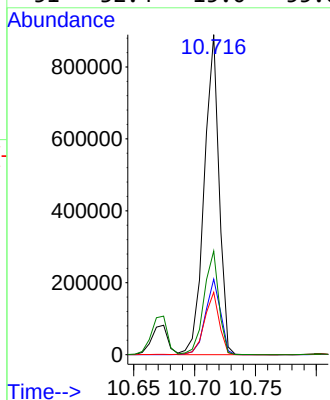
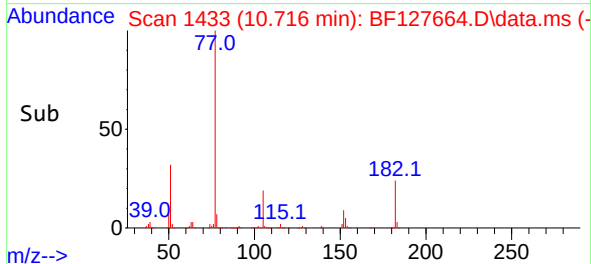
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMMSD



Tgt Ion: 77 Resp: 753724
Ion Ratio Lower Upper
77 100
182 23.6 4.5 44.5
105 19.5 0.3 40.3
51 32.4 15.0 55.0

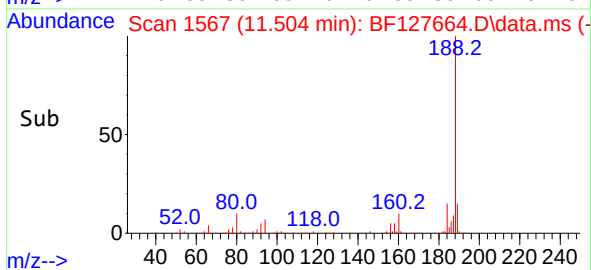
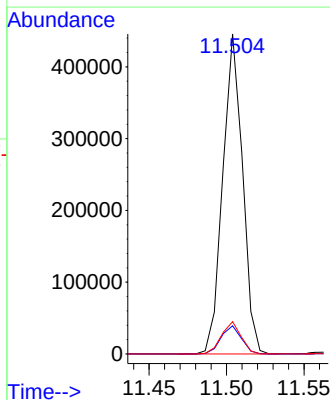
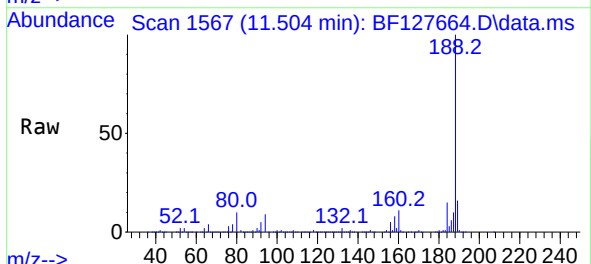
Manual Integrations
APPROVED

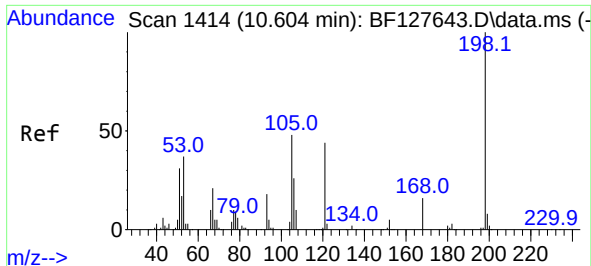
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.504 min Scan# 1567
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

Tgt Ion:188 Resp: 395902
Ion Ratio Lower Upper
188 100
94 8.8 7.4 11.0
80 10.1 8.0 12.0





#65
4,6-Dinitro-2-methylphenol
Concen: 48.305 ng
RT: 10.604 min Scan# 1414
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

Instrument :

BNA_F

ClientSampleId :

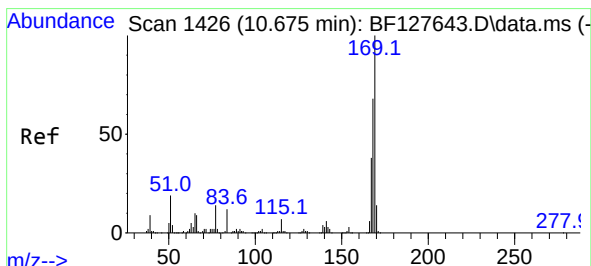
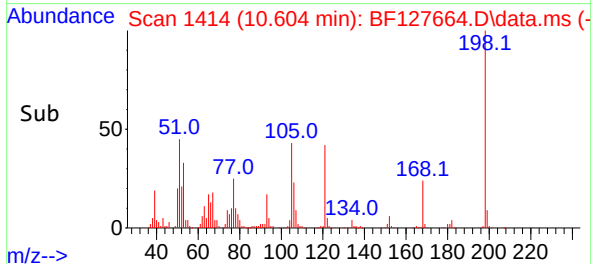
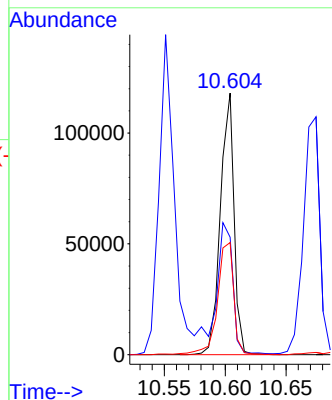
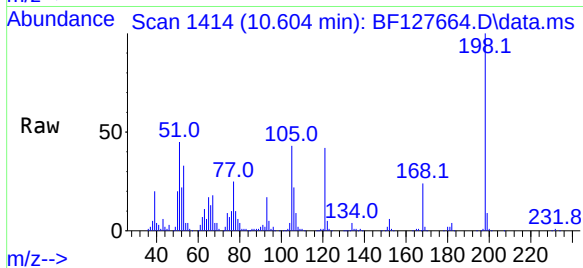
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Tgt Ion:198 Resp: 92369
Ion Ratio Lower Upper
198 100
51 44.9 42.7 82.7
105 42.9 25.4 65.4

Manual Integrations

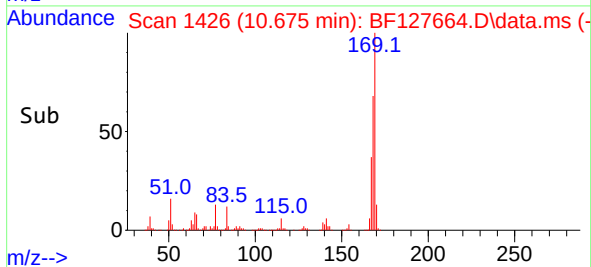
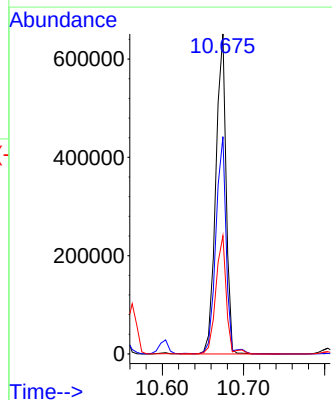
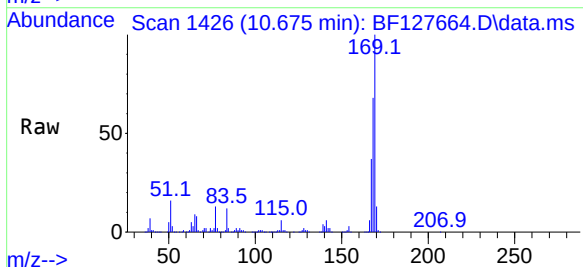
APPROVED

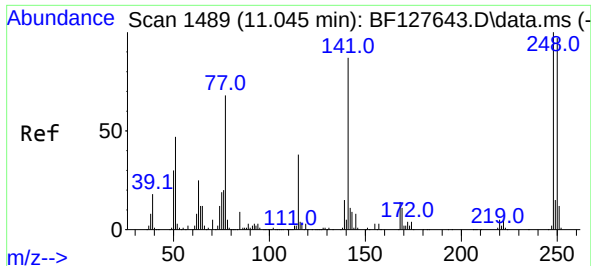
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#66
n-Nitrosodiphenylamine
Concen: 45.783 ng
RT: 10.675 min Scan# 1426
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

Tgt Ion:169 Resp: 570863
Ion Ratio Lower Upper
169 100
168 67.9 52.7 79.1
167 37.0 28.9 43.3





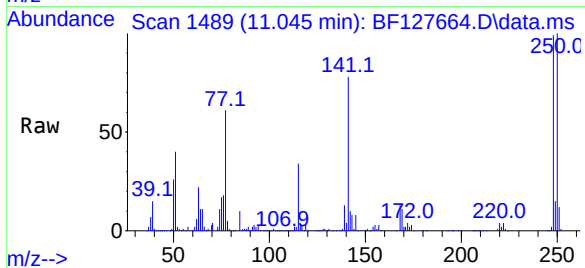
#67
4-Bromophenyl-phenylether
Concen: 45.452 ng
RT: 11.045 min Scan# 1489
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMMSD

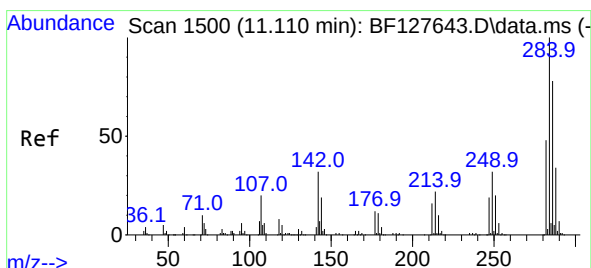
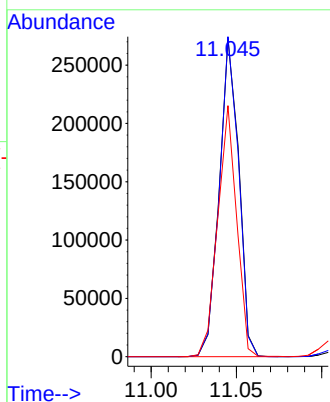
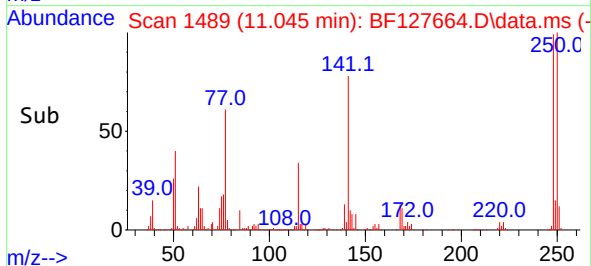


Tgt Ion:248 Resp: 218389
Ion Ratio Lower Upper
248 100
250 100.7 76.6 115.0
141 79.0 52.2 78.2

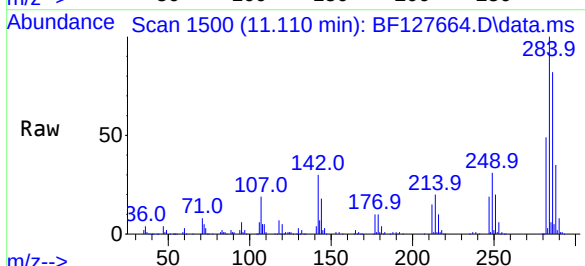
Manual Integrations

APPROVED

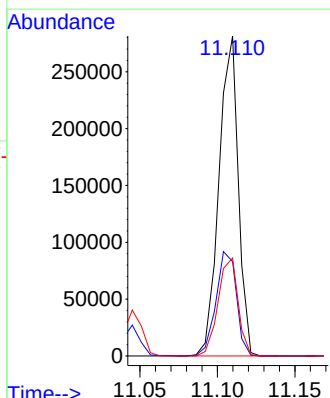
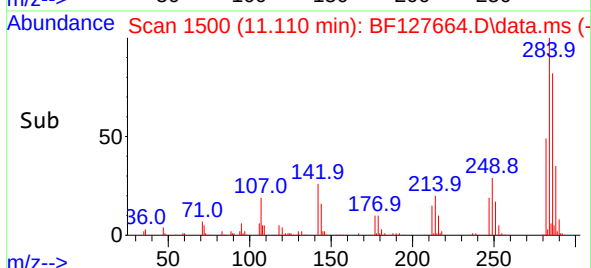
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

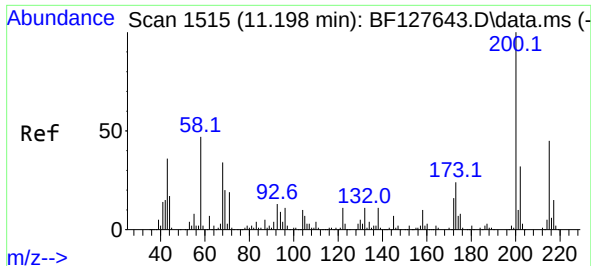


#68
Hexachlorobenzene
Concen: 46.377 ng
RT: 11.110 min Scan# 1500
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02



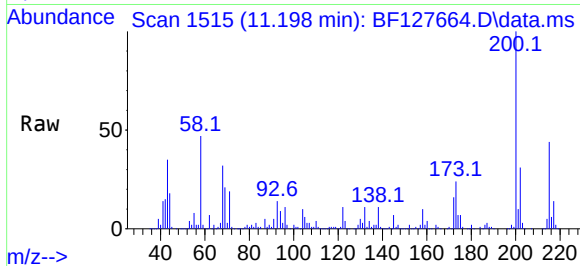
Tgt Ion:284 Resp: 243591
Ion Ratio Lower Upper
284 100
142 29.5 23.8 35.8
249 30.6 23.9 35.9





#69
Atrazine
Concen: 51.902 ng
RT: 11.198 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

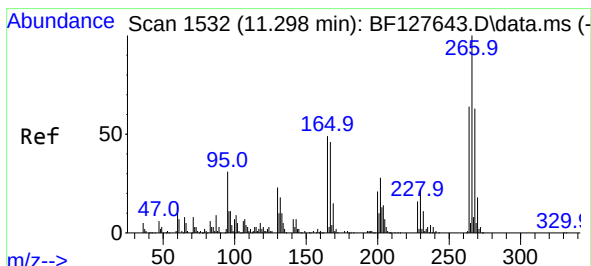
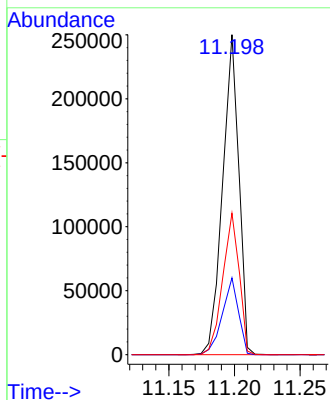
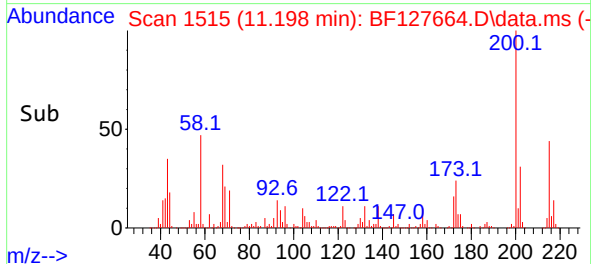
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMMSD



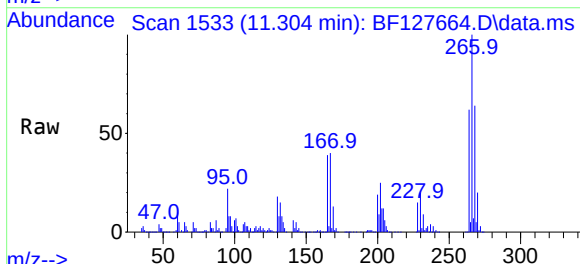
Tgt Ion:200 Resp: 215014
Ion Ratio Lower Upper
200 100
173 24.0 2.9 42.9
215 44.2 28.0 68.0

Manual Integrations
APPROVED

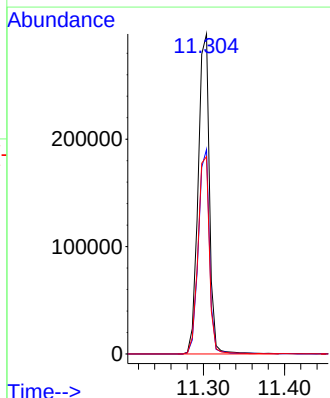
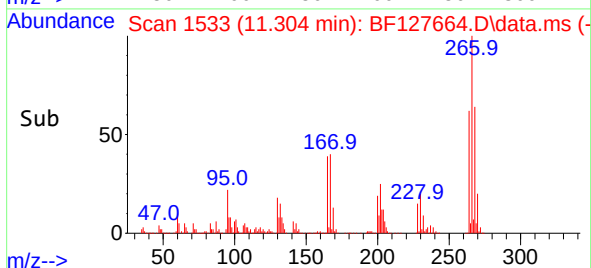
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

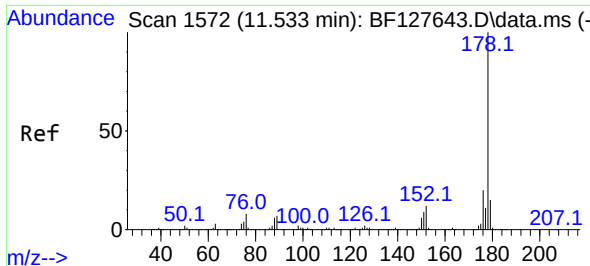


#70
Pentachlorophenol
Concen: 91.944 ng
RT: 11.304 min Scan# 1533
Delta R.T. 0.006 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02



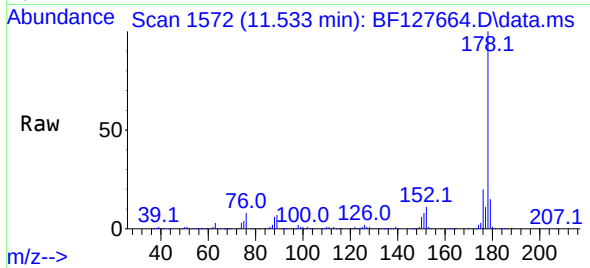
Tgt Ion:266 Resp: 288430
Ion Ratio Lower Upper
266 100
268 63.9 50.4 75.6
264 61.7 48.5 72.7





#71
Phenanthrene
Concen: 48.012 ng
RT: 11.533 min Scan# 1572
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

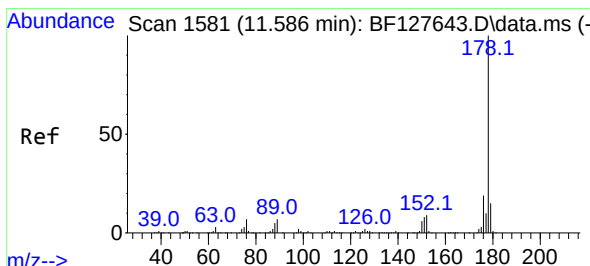
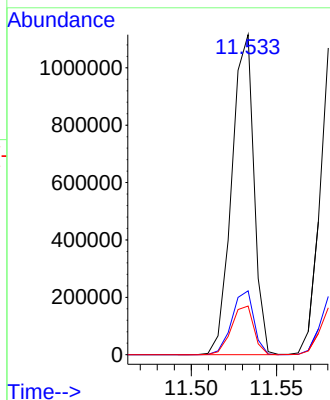
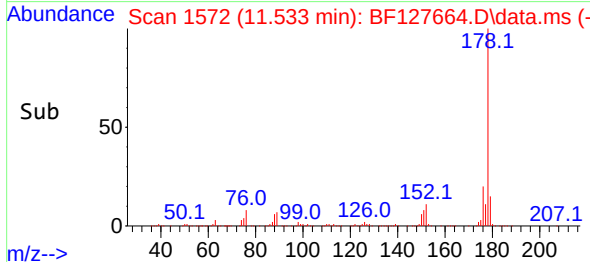
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMMSD



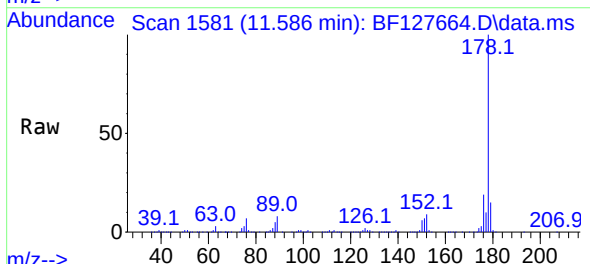
Tgt Ion:178 Resp: 1007100
Ion Ratio Lower Upper
178 100
176 19.9 15.4 23.2
179 15.2 12.4 18.6

Manual Integrations
APPROVED

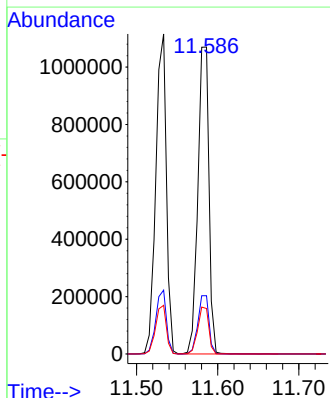
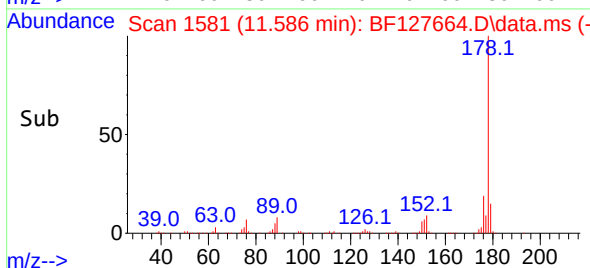
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

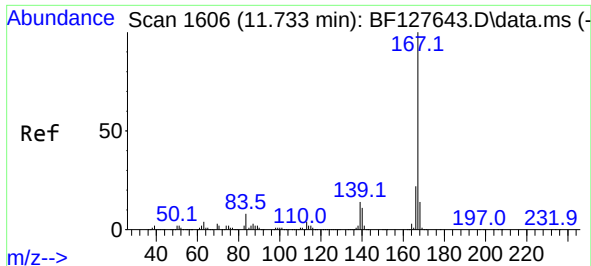


#72
Anthracene
Concen: 49.173 ng
RT: 11.586 min Scan# 1581
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02



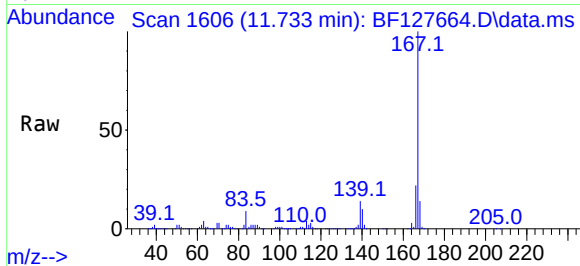
Tgt Ion:178 Resp: 1020307
Ion Ratio Lower Upper
178 100
176 19.0 14.6 22.0
179 14.8 12.4 18.6





#73
 Carbazole
 Concen: 47.473 ng
 RT: 11.733 min Scan# 1606
 Delta R.T. -0.000 min
 Lab File: BF127664.D
 Acq: 06 Apr 2022 23:02

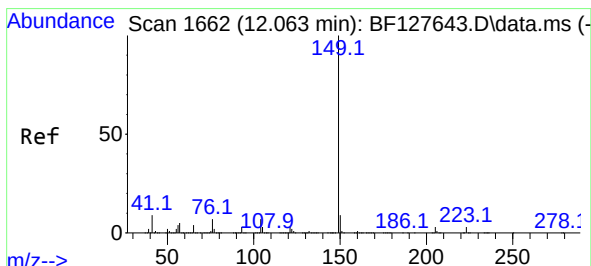
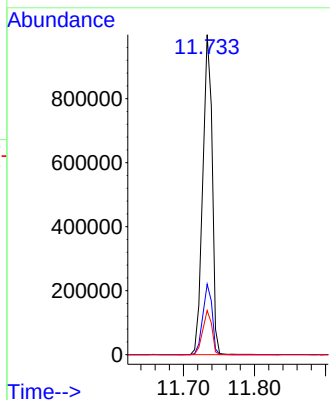
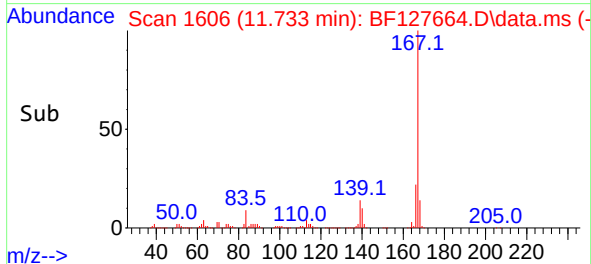
Instrument :
 BNA_F
 ClientSampleId :
 SOIL-DRUMMSD



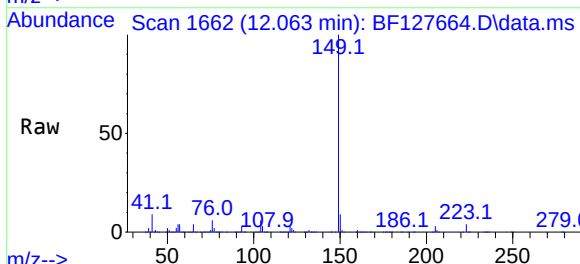
Tgt Ion:167 Resp: 922991
 Ion Ratio Lower Upper
 167 100
 166 22.0 17.0 25.4
 139 13.8 10.5 15.7

Manual Integrations
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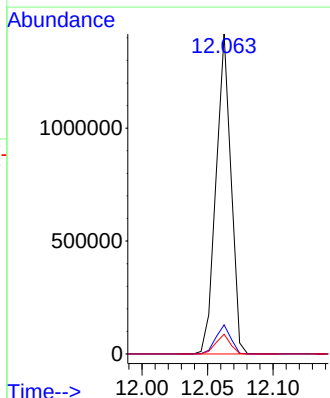
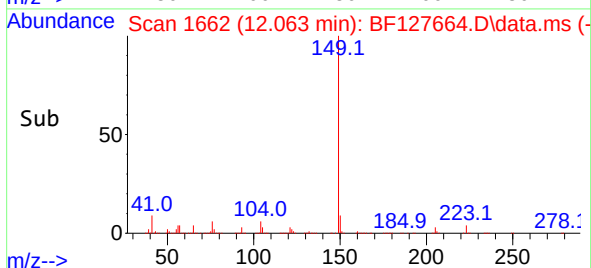
Reviewed By :Christian Giraldo 04/07/2022
 Supervised By :Jagrut Upadhyay 04/07/2022

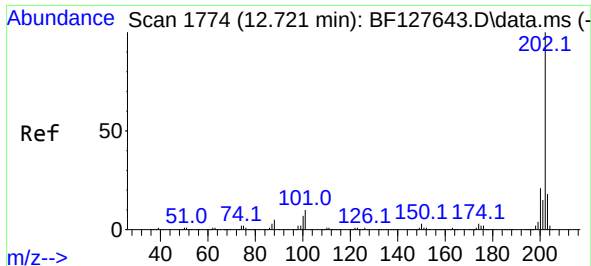


#74
 Di-n-butylphthalate
 Concen: 48.257 ng
 RT: 12.063 min Scan# 1662
 Delta R.T. -0.000 min
 Lab File: BF127664.D
 Acq: 06 Apr 2022 23:02



Tgt Ion:149 Resp: 1121580
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.5 11.3
 104 6.2 4.2 6.2





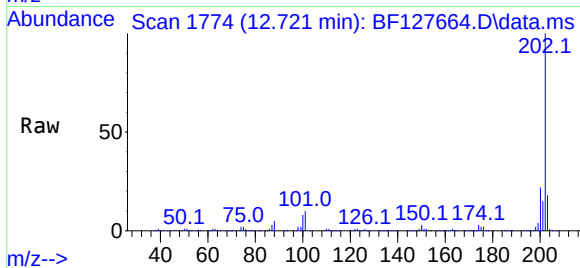
#75
Fluoranthene
Concen: 51.091 ng
RT: 12.721 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMMSD

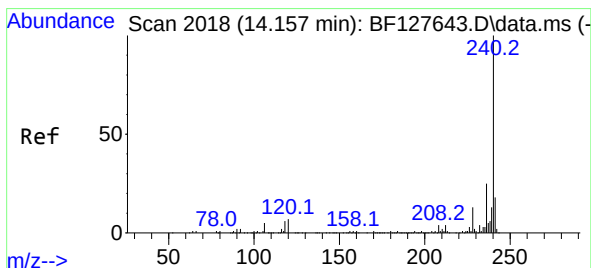
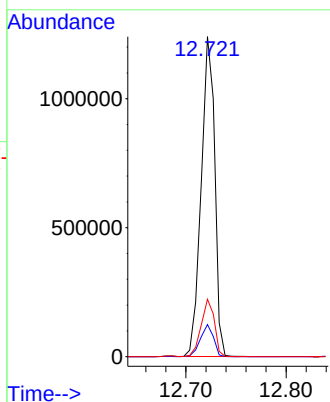
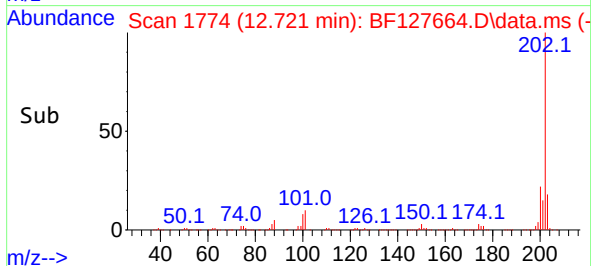


Tgt Ion:202 Resp: 116946
Ion Ratio Lower Upper
202 100
101 10.0 0.0 29.0
203 17.9 0.0 37.7

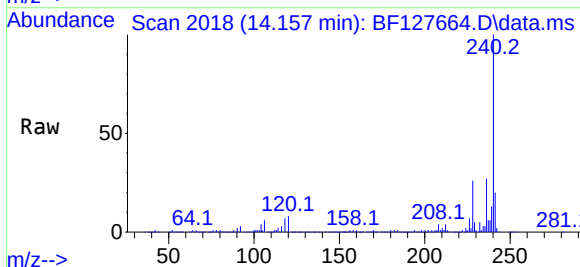
Manual Integrations

APPROVED

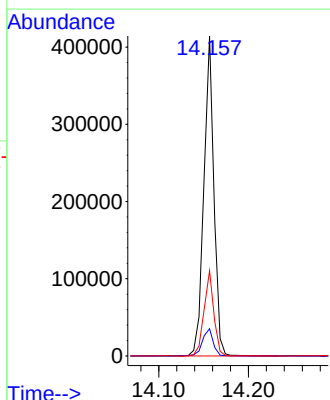
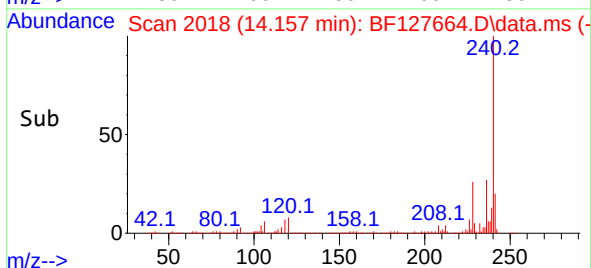
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

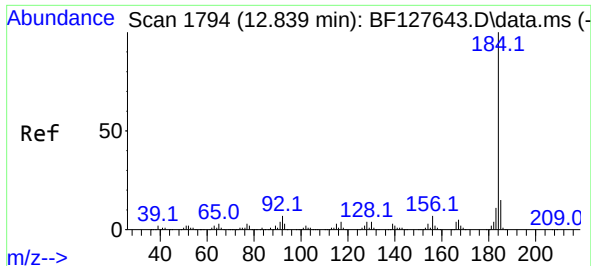


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.157 min Scan# 2018
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02



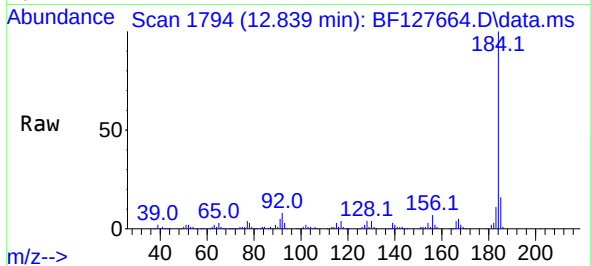
Tgt Ion:240 Resp: 321513
Ion Ratio Lower Upper
240 100
120 8.5 7.1 10.7
236 26.6 20.7 31.1





#77
Benzidine
Concen: 27.049 ng
RT: 12.839 min Scan# 1794
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

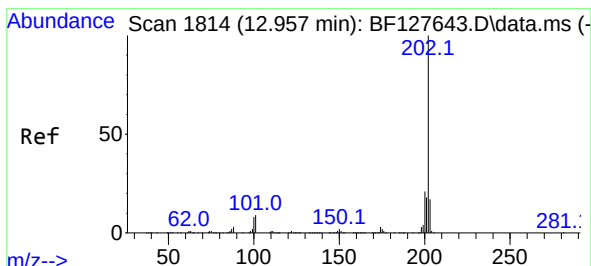
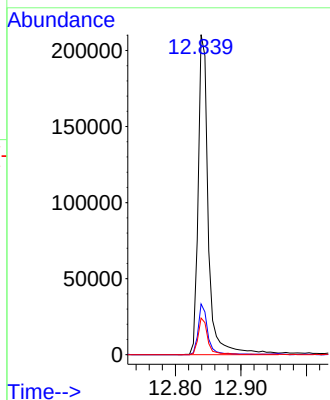
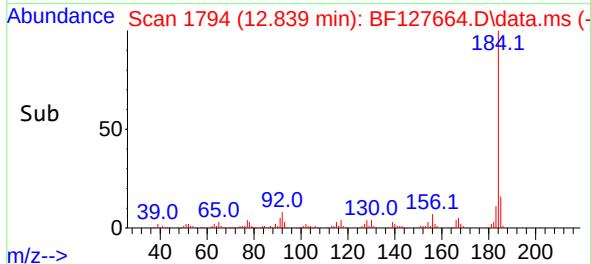
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMMSD



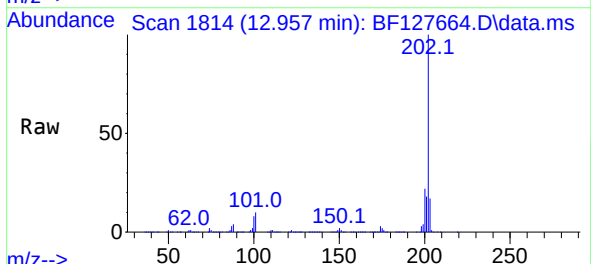
Tgt Ion:184 Resp: 22699
Ion Ratio Lower Upper
184 100
185 15.9 12.2 18.2
183 11.5 9.4 14.0

Manual Integrations
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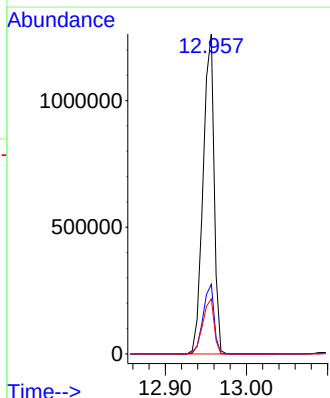
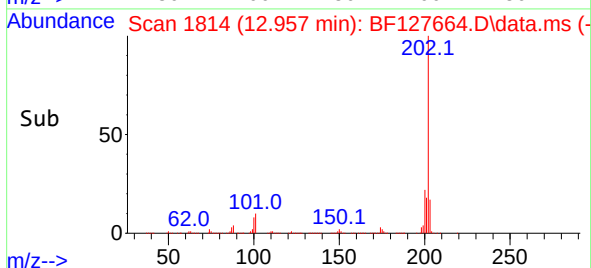
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

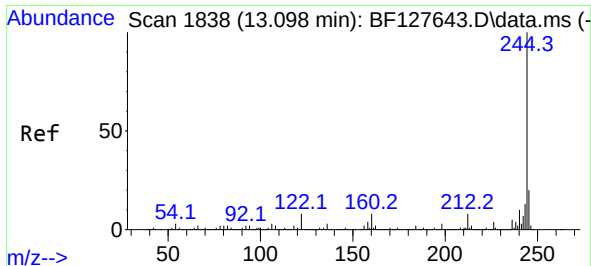


#78
Pyrene
Concen: 43.840 ng
RT: 12.957 min Scan# 1814
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02



Tgt Ion:202 Resp: 1190248
Ion Ratio Lower Upper
202 100
200 21.8 17.1 25.7
203 17.3 14.3 21.5





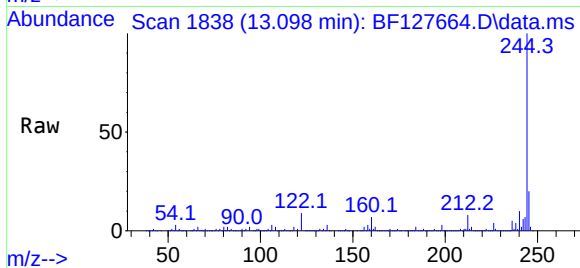
#79
 Terphenyl-d14
 Concen: 84.556 ng
 RT: 13.098 min Scan# 1838
 Delta R.T. -0.000 min
 Lab File: BF127664.D
 Acq: 06 Apr 2022 23:02

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMMSD

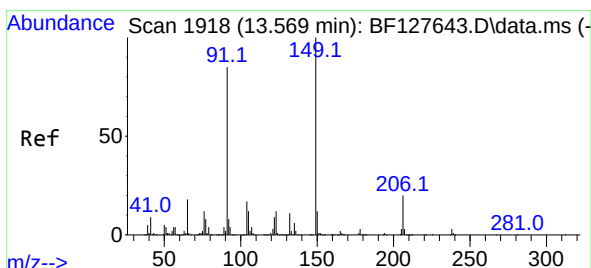
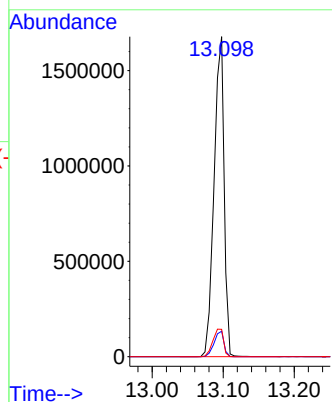
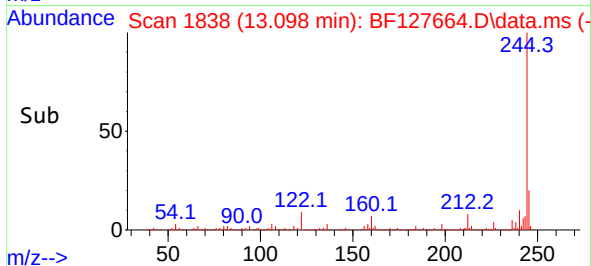


Tgt Ion:244 Resp: 1647035
 Ion Ratio Lower Upper
 244 100
 212 7.9 5.7 8.5
 122 8.6 6.2 9.2

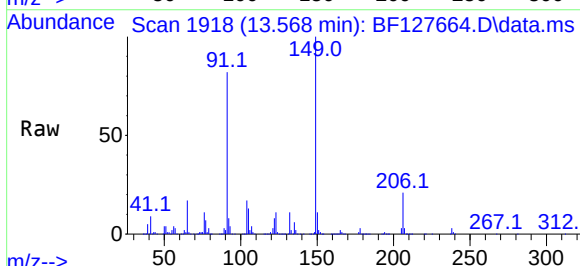
Manual Integrations

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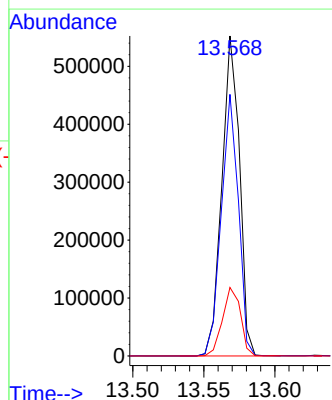
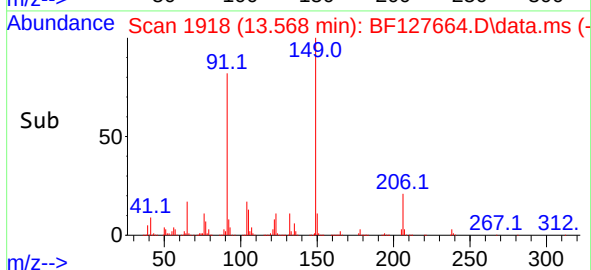
Reviewed By :Christian Giraldo 04/07/2022
 Supervised By :Jagrut Upadhyay 04/07/2022

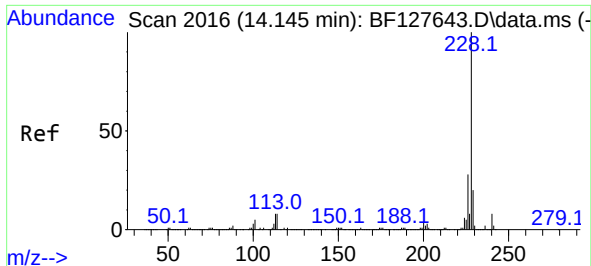


#80
 Butylbenzylphthalate
 Concen: 46.972 ng
 RT: 13.568 min Scan# 1918
 Delta R.T. -0.000 min
 Lab File: BF127664.D
 Acq: 06 Apr 2022 23:02



Tgt Ion:149 Resp: 474824
 Ion Ratio Lower Upper
 149 100
 91 81.8 69.1 103.7
 206 21.4 17.7 26.5





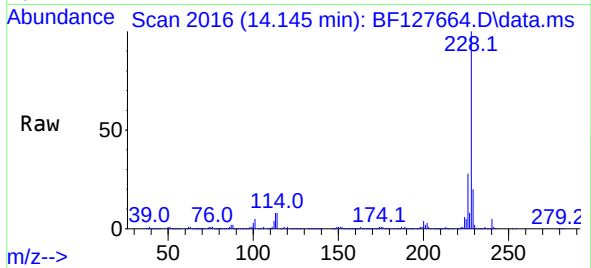
#81
Benzo(a)anthracene
Concen: 47.956 ng
RT: 14.145 min Scan# 2016
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMMSD

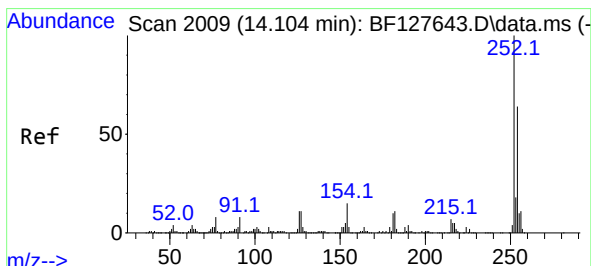
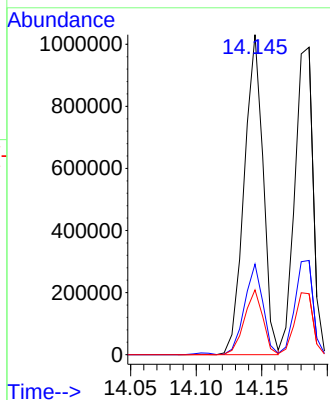
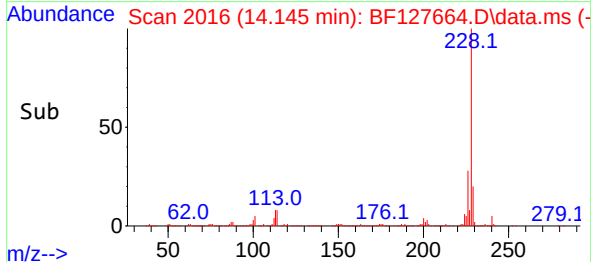


Tgt Ion:228 Resp: 1029779
Ion Ratio Lower Upper
228 100
226 28.3 21.6 32.4
229 20.2 15.4 23.2

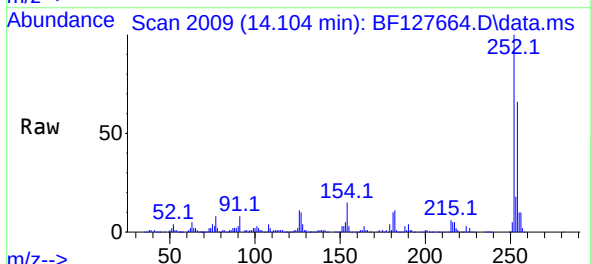
Manual Integrations

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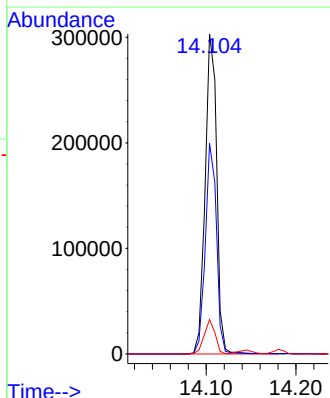
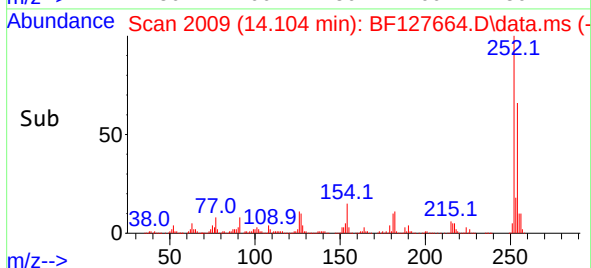
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

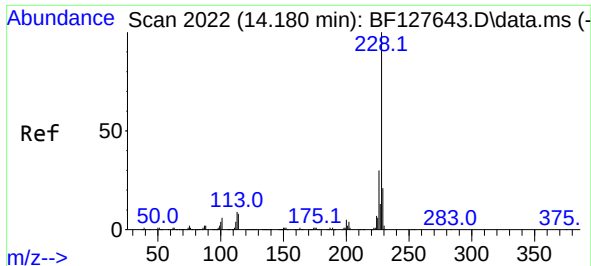


#82
3,3'-Dichlorobenzidine
Concen: 40.484 ng
RT: 14.104 min Scan# 2009
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02



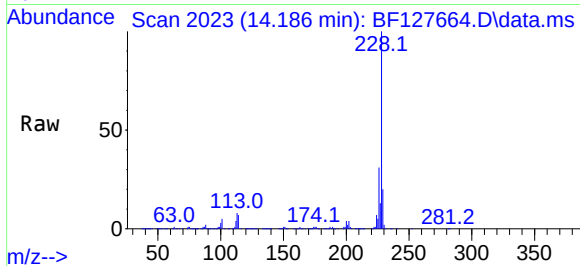
Tgt Ion:252 Resp: 271017
Ion Ratio Lower Upper
252 100
254 65.8 50.2 75.4
126 10.8 8.7 13.1





#83
Chrysene
Concen: 46.343 ng
RT: 14.186 min Scan# 2022
Delta R.T. 0.006 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

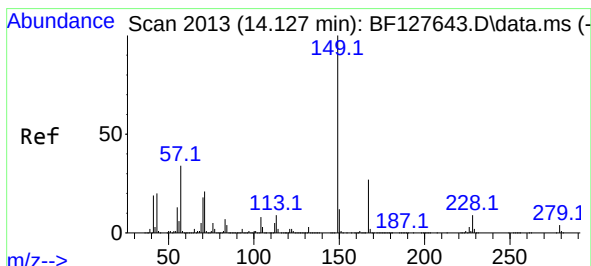
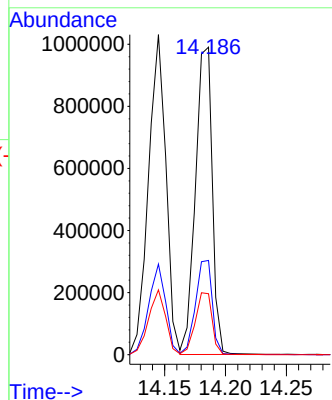
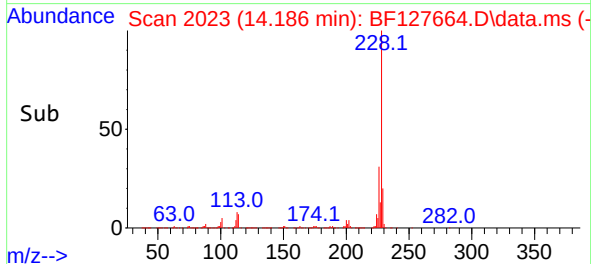
Instrument :
BNA_F
ClientSampleId :
SOIL-DRUMMSD



Tgt Ion:228 Resp: 955250
Ion Ratio Lower Upper
228 100
226 30.7 24.2 36.4
229 19.8 15.4 23.2

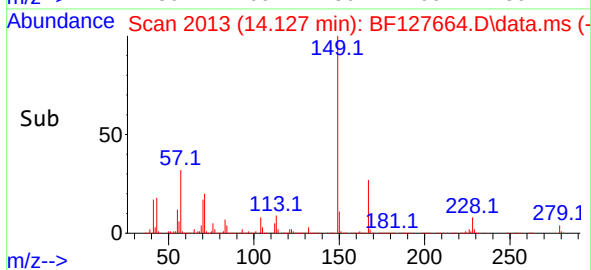
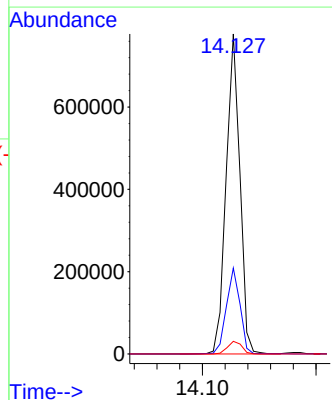
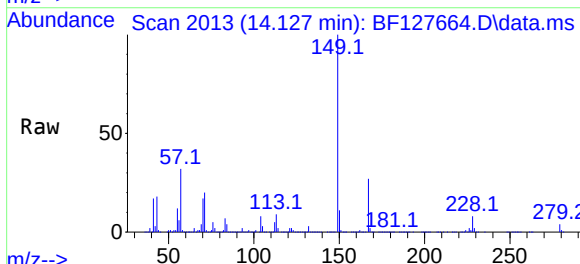
Manual Integrations
APPROVED

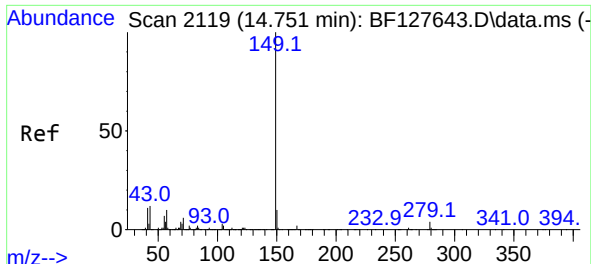
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 45.943 ng
RT: 14.127 min Scan# 2013
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

Tgt Ion:149 Resp: 654631
Ion Ratio Lower Upper
149 100
167 26.9 22.9 34.3
279 3.9 3.2 4.8





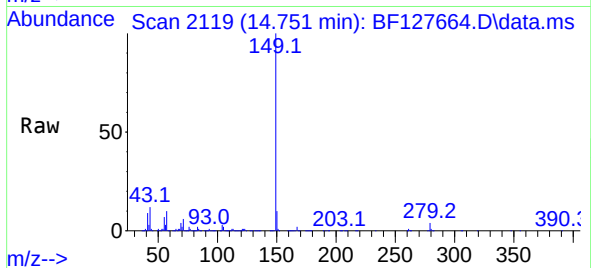
#85
Di-n-octyl phthalate
Concen: 49.345 ng
RT: 14.751 min Scan# 2119
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMMSD

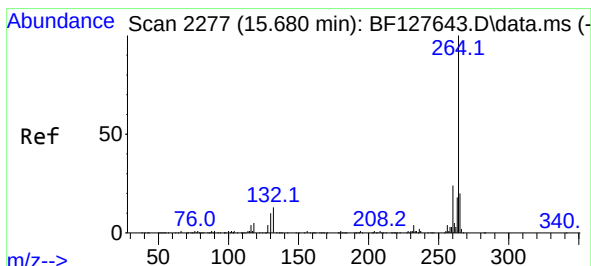
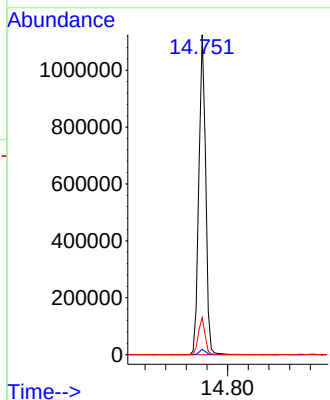
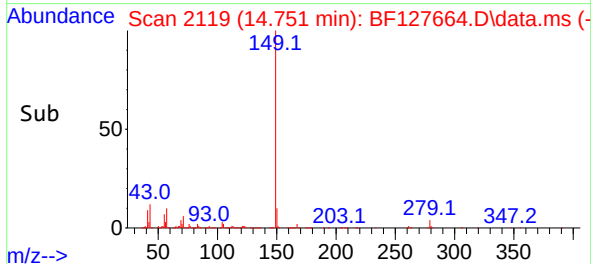


Tgt Ion:149 Resp: 1028050
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 11.3 11.0 16.6

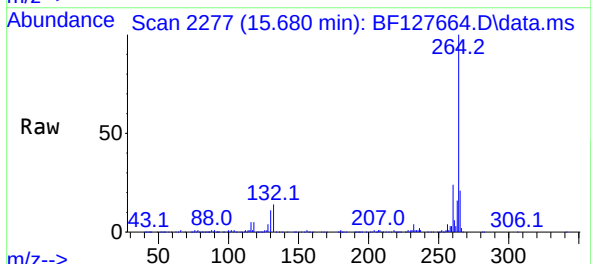
Manual Integrations

APPROVED

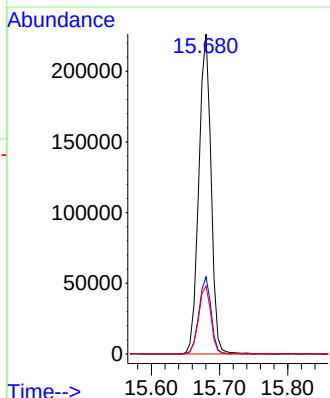
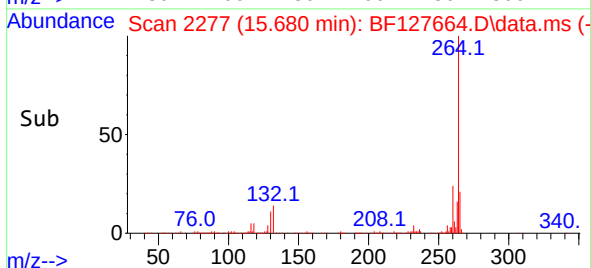
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

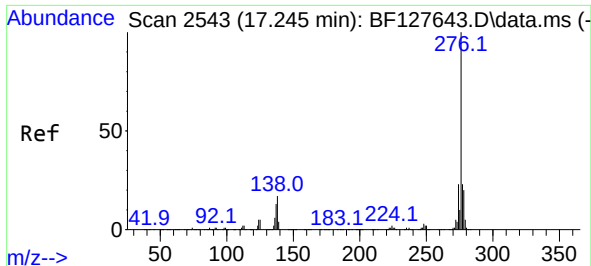


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.680 min Scan# 2277
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02



Tgt Ion:264 Resp: 282476
Ion Ratio Lower Upper
264 100
260 24.1 19.1 28.7
265 21.3 17.4 26.2





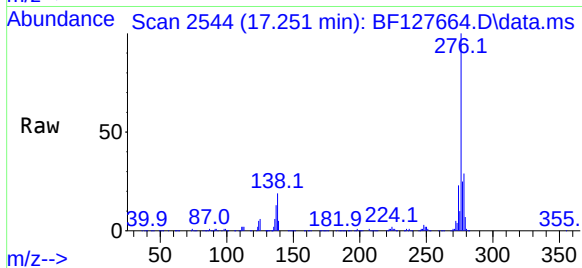
#87
Indeno(1,2,3-cd)pyrene
Concen: 52.827 ng
RT: 17.251 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMMSD

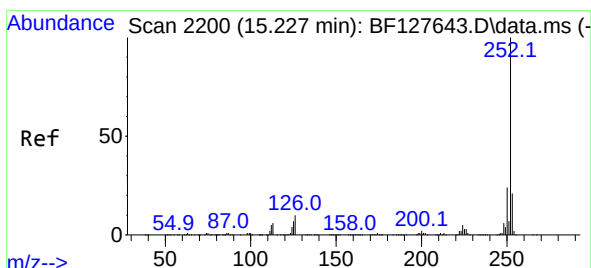
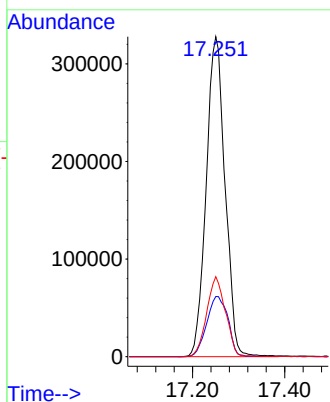
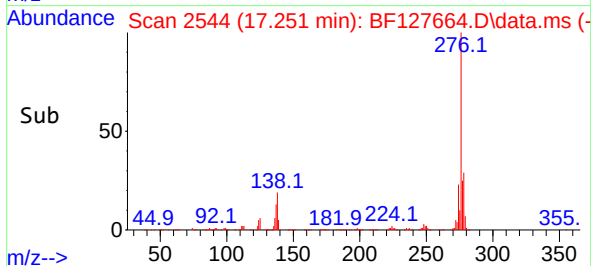


Tgt Ion:276 Resp: 932344
Ion Ratio Lower Upper
276 100
138 21.3 17.1 25.7
277 24.9 19.9 29.9

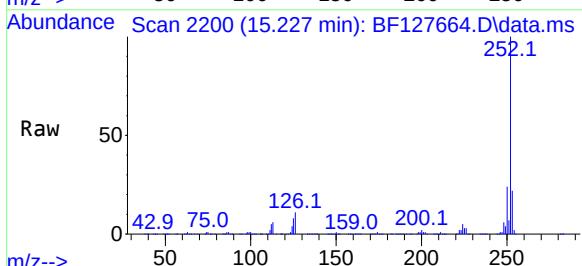
Manual Integrations

APPROVED

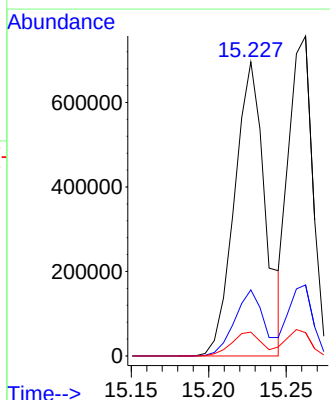
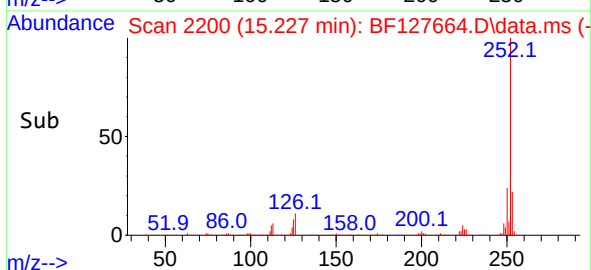
Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022

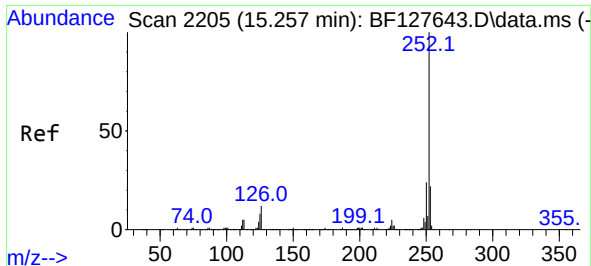


#88
Benzo(b)fluoranthene
Concen: 52.788 ng
RT: 15.227 min Scan# 2200
Delta R.T. -0.000 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02



Tgt Ion:252 Resp: 959247
Ion Ratio Lower Upper
252 100
253 22.5 17.9 26.9
125 8.1 7.0 10.4





#89

Benzo(k)fluoranthene

Concen: 45.484 ng

RT: 15.262 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

Instrument :

BNA_F

ClientSampleId :

SOIL-DRUMMSD

Tgt Ion:252 Resp: 81975

Ion Ratio Lower Upper

252 100

253 22.2 17.3 25.9

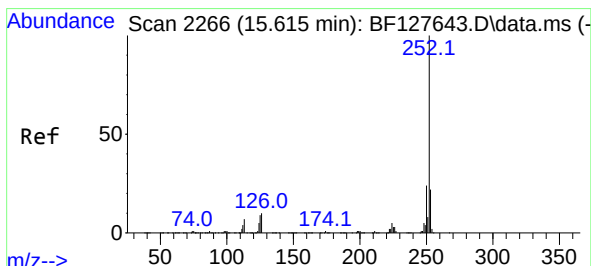
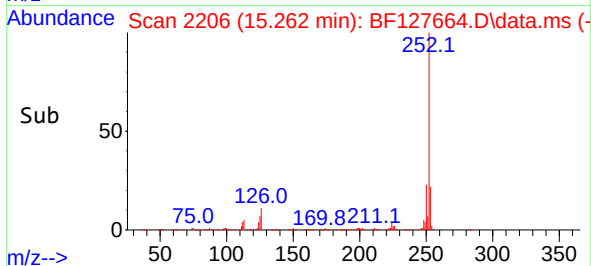
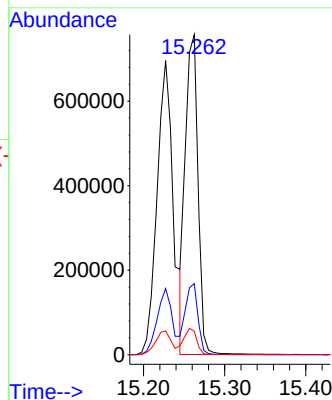
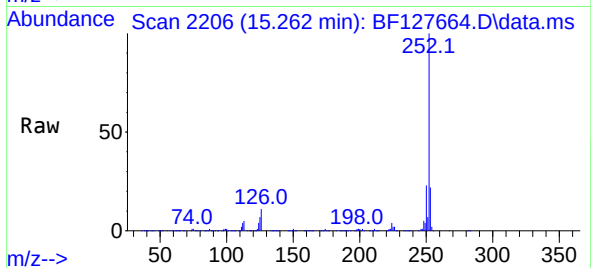
125 7.3 6.9 10.3

Manual Integrations

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Reviewed By :Christian Giraldo 04/07/2022

Supervised By :Jagrut Upadhyay 04/07/2022



#90

Benzo(a)pyrene

Concen: 58.297 ng

RT: 15.615 min Scan# 2266

Delta R.T. -0.000 min

Lab File: BF127664.D

Acq: 06 Apr 2022 23:02

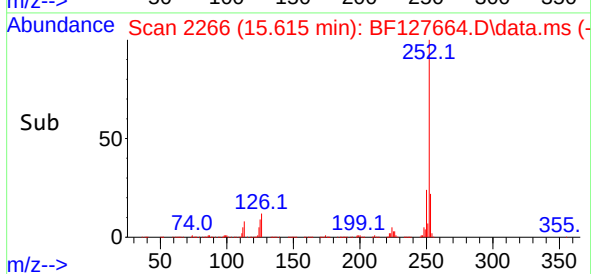
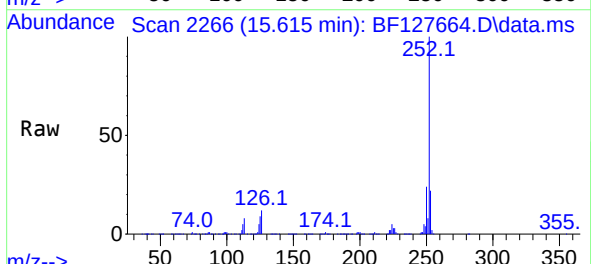
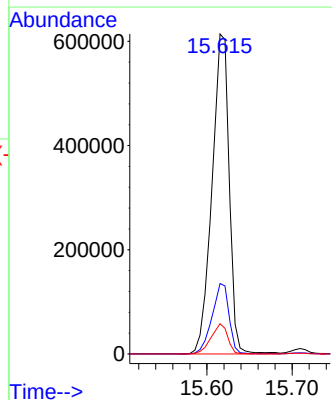
Tgt Ion:252 Resp: 861036

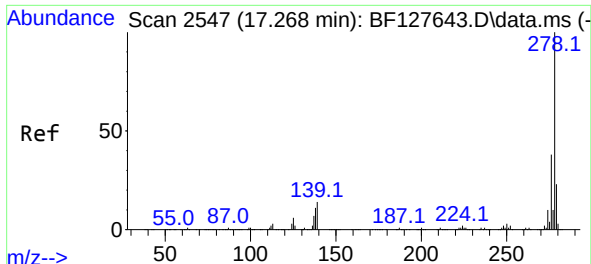
Ion Ratio Lower Upper

252 100

253 22.0 17.0 25.6

125 9.4 6.7 10.1





#91
Dibenzo(a,h)anthracene
Concen: 56.754 ng
RT: 17.274 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

Instrument :

BNA_F

ClientSampleId :

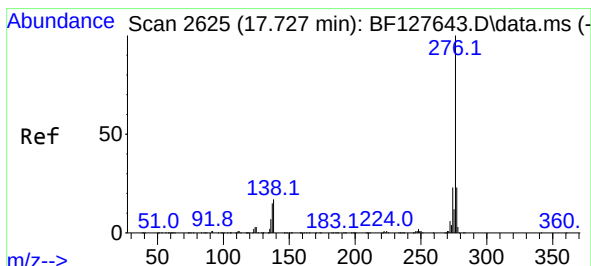
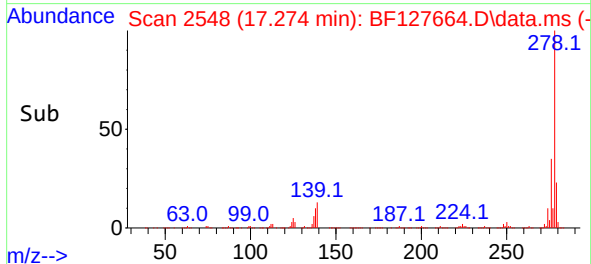
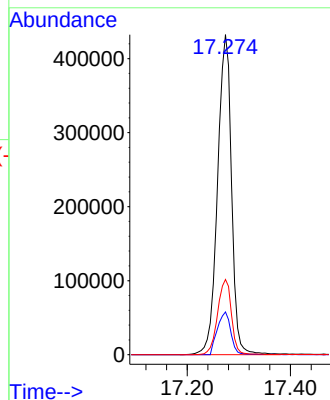
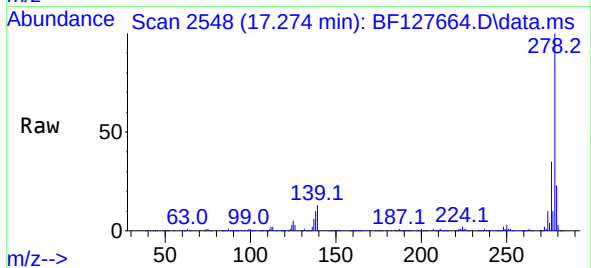
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Tgt Ion:278 Resp: 811559
Ion Ratio Lower Upper
278 100
139 13.4 10.8 16.2
279 23.5 17.7 26.5

Manual Integrations

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Reviewed By :Christian Giraldo 04/07/2022
Supervised By :Jagrut Upadhyay 04/07/2022



#92
Benzo(g,h,i)perylene
Concen: 55.579 ng
RT: 17.733 min Scan# 2626
Delta R.T. 0.006 min
Lab File: BF127664.D
Acq: 06 Apr 2022 23:02

Tgt Ion:276 Resp: 814788
Ion Ratio Lower Upper
276 100
277 23.0 19.0 28.4
138 17.2 14.6 22.0

