

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF031422\
 Data File : BF127314.D
 Acq On : 14 Mar 2022 11:44
 Operator : CG\JU
 Sample : N1645-03
 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

Quant Time: Mar 14 12:20:30 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Mar 14 12:19:36 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 03/15/2022
 Supervised By : Jagrut Upadhyay 03/15/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	115501	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	410887	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	241731	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	431293	20.000	ng	# 0.00
76) Chrysene-d12	14.045	240	343271	20.000	ng	# 0.00
86) Perylene-d12	15.527	264	261088	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	970307	135.049	ng	0.00
7) Phenol-d6	6.510	99	1387238	140.354	ng	0.00
23) Nitrobenzene-d5	7.439	82	786797	79.081	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	378152	145.319	ng	0.00
45) 2-Fluorobiphenyl	9.228	172	1324224	77.449	ng	0.00
79) Terphenyl-d14	12.992	244	1509718	75.732	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.681	88	11724	3.147	ng	# 76
3) Pyridine	3.557	79	31483m	3.176	ng	
4) n-Nitrosodimethylamine	3.404	42	17001	3.095	ng	# 62
6) Aniline	6.539	93	54135	4.583	ng	92
8) 2-Chlorophenol	6.657	128	30078	4.047	ng	91
9) Benzaldehyde	6.428	77	29759	5.165	ng	97
10) Phenol	6.516	94	43283	3.986	ng	# 28
11) bis(2-Chloroethyl)ether	6.610	93	33906	4.205	ng	94
12) 1,3-Dichlorobenzene	6.810	146	35272	4.228	ng	98
13) 1,4-Dichlorobenzene	6.886	146	35578	4.251	ng	98
14) 1,2-Dichlorobenzene	7.039	146	33098	4.201	ng	96
15) Benzyl Alcohol	7.022	79	29340	3.960	ng	# 59
16) 2,2'-oxybis(1-Chloropr...	7.139	45	61261	4.049	ng	97
17) 2-Methylphenol	7.122	107	26041	4.121	ng	# 90
18) Hexachloroethane	7.375	117	12970	4.034	ng	# 78
19) n-Nitroso-di-n-propyla...	7.275	70	26345	4.271	ng	# 86
20) 3+4-Methylphenols	7.275	107	32465	3.962	ng	# 44
22) Acetophenone	7.275	105	47454	4.218	ng	# 91
24) Nitrobenzene	7.451	77	41521	4.412	ng	94
25) Isophorone	7.686	82	70591	4.412	ng	96
26) 2-Nitrophenol	7.769	139	14891	3.821	ng	# 80
27) 2,4-Dimethylphenol	7.804	122	29101	4.974	ng	92
28) bis(2-Chloroethoxy)met...	7.892	93	42717	4.214	ng	98
29) 2,4-Dichlorophenol	8.016	162	26814	4.002	ng	95
30) 1,2,4-Trichlorobenzene	8.086	180	31305	4.099	ng	98
31) Naphthalene	8.169	128	96067	4.383	ng	100
32) Benzoic acid	7.898	122	9991m	2.752	ng	
33) 4-Chloroaniline	8.222	127	37050	4.361	ng	# 93
34) Hexachlorobutadiene	8.281	225	19920	3.911	ng	99
35) Caprolactam	8.557	113	7568	3.781	ng	# 64
36) 4-Chloro-3-methylphenol	8.704	107	29386	4.047	ng	95
37) 2-Methylnaphthalene	8.863	142	64051	4.472	ng	97
38) 1-Methylnaphthalene	8.963	142	60213	4.373	ng	100
40) 1,2,4,5-Tetrachloroben...	9.028	216	33386	4.363	ng	# 92
41) Hexachlorocyclopentadiene	9.010	237	5469	2.034	ng	87
43) 2,4,6-Trichlorophenol	9.145	196	17160	3.553	ng	95

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 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2022

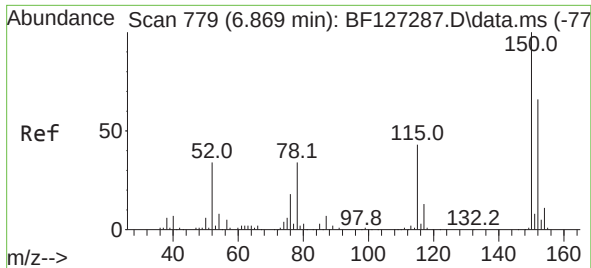
Quant Time: Mar 14 12:20:30 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF031022.M
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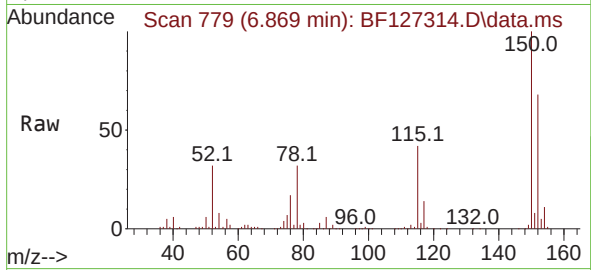
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	19799	3.863	ng	91
46) 1,1'-Biphenyl	9.328	154	82762	4.536	ng	98
47) 2-Chloronaphthalene	9.351	162	61485	4.329	ng	98
48) 2-Nitroaniline	9.451	65	20992	3.842	ng	89
49) Acenaphthylene	9.769	152	99742	4.589	ng	98
50) Dimethylphthalate	9.622	163	71270	4.115	ng	# 98
51) 2,6-Dinitrotoluene	9.692	165	14741	4.207	ng	97
52) Acenaphthene	9.939	154	55023	4.247	ng	98
53) 3-Nitroaniline	9.863	138	14513	3.801	ng	92
54) 2,4-Dinitrophenol	9.992	184	2229	1.291	ng	# 74
55) Dibenzofuran	10.110	168	88161	4.380	ng	97
56) 4-Nitrophenol	10.039	139	6405	2.760	ng	90
57) 2,4-Dinitrotoluene	10.098	165	18648	4.045	ng	# 90
58) Fluorene	10.457	166	67844	4.347	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.233	232	14754	3.464	ng	# 79
60) Diethylphthalate	10.322	149	65249	4.130	ng	95
61) 4-Chlorophenyl-phenyle...	10.445	204	35018	4.140	ng	89
62) 4-Nitroaniline	10.474	138	14269	3.750	ng	91
63) Azobenzene	10.610	77	74350	4.094	ng	92
65) 4,6-Dinitro-2-methylph...	10.510	198	6587	2.477	ng	90
66) n-Nitrosodiphenylamine	10.569	169	57514	4.294	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	21211	4.080	ng	# 90
68) Hexachlorobenzene	11.004	284	23175	4.090	ng	# 87
69) Atrazine	11.086	200	20241	4.379	ng	96
70) Pentachlorophenol	11.210	266	5077m	2.219	ng	
71) Phenanthrene	11.421	178	96894	4.256	ng	98
72) Anthracene	11.474	178	99608	4.418	ng	98
73) Carbazole	11.633	167	86940	4.095	ng	# 96
74) Di-n-butylphthalate	11.951	149	98567	3.969	ng	99
75) Fluoranthene	12.616	202	106598	4.187	ng	92
77) Benzidine	12.739	184	41439	4.747	ng	# 95
78) Pyrene	12.845	202	108306	4.051	ng	100
80) Butylbenzylphthalate	13.457	149	36515	3.549	ng	# 87
81) Benzo(a)anthracene	14.033	228	91616	3.964	ng	98
82) 3,3'-Dichlorobenzidine	13.998	252	27588	3.839	ng	# 93
83) Chrysene	14.068	228	87433	4.067	ng	98
84) Bis(2-ethylhexyl)phtha...	14.010	149	51799	3.740	ng	# 98
85) Di-n-octyl phthalate	14.621	149	73059	3.485	ng	95
87) Indeno(1,2,3-cd)pyrene	17.027	276	52008	3.307	ng	# 88
88) Benzo(b)fluoranthene	15.092	252	69234	4.040	ng	# 93
89) Benzo(k)fluoranthene	15.121	252	70193	4.356	ng	# 94
90) Benzo(a)pyrene	15.468	252	63370	4.696	ng	# 92
91) Dibenzo(a,h)anthracene	17.045	278	45095	3.445	ng	# 90
92) Benzo(g,h,i)perylene	17.486	276	44945	3.520	ng	# 83

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

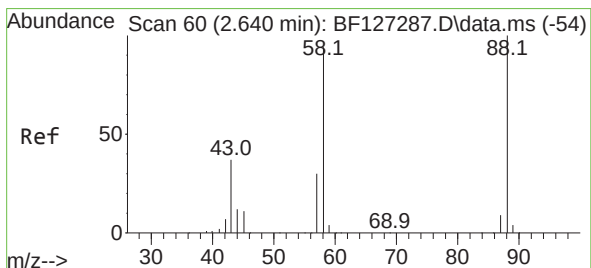
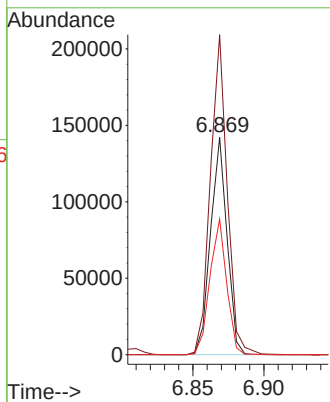
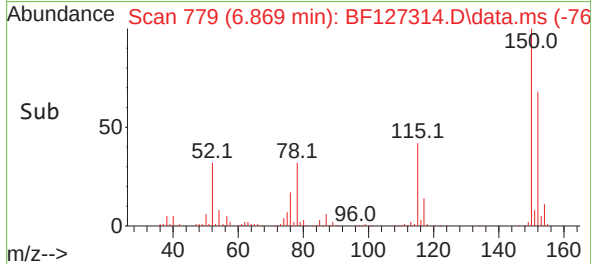
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:152 Resp: 11550
Ion Ratio Lower Upper
152 100
150 147.2 128.1 192.1
115 62.4 56.7 85.1

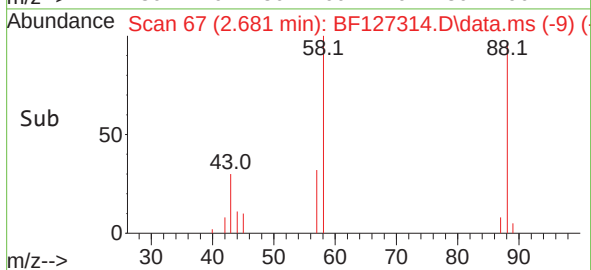
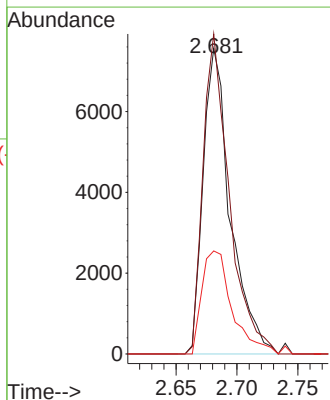
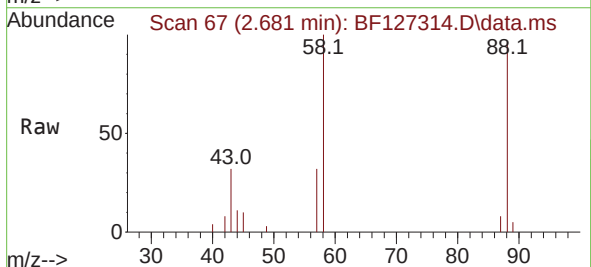
Manual Integrations
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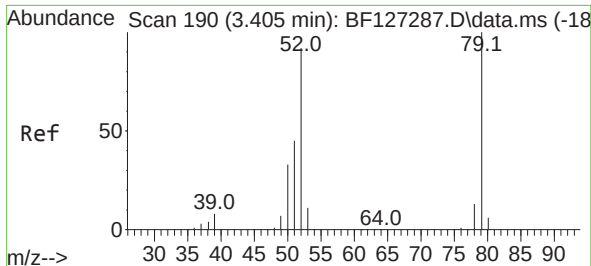
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022



#2
1,4-Dioxane
Concen: 3.147 ng
RT: 2.681 min Scan# 67
Delta R.T. 0.041 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

Tgt Ion: 88 Resp: 11724
Ion Ratio Lower Upper
88 100
58 101.2 62.8 94.2#
43 37.4 22.3 33.5#





#3

Pyridine

Concen: 3.176 ng m

RT: 3.557 min Scan# 216

Delta R.T. 0.153 min

Lab File: BF127314.D

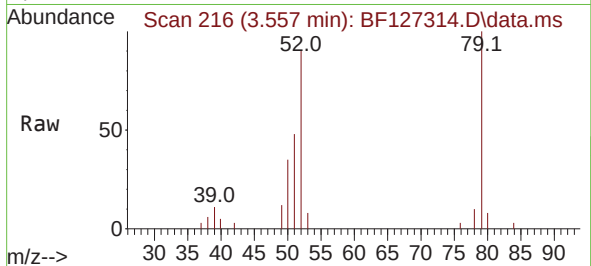
Acq: 14 Mar 2022 11:44

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2022



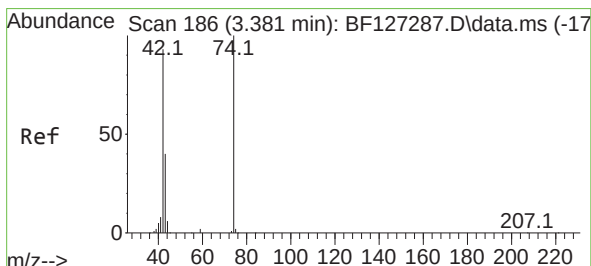
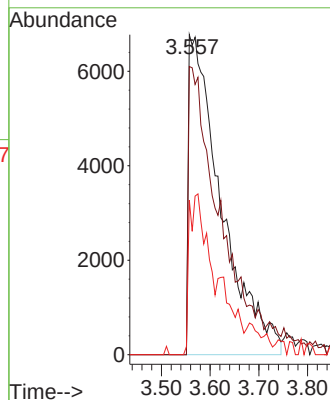
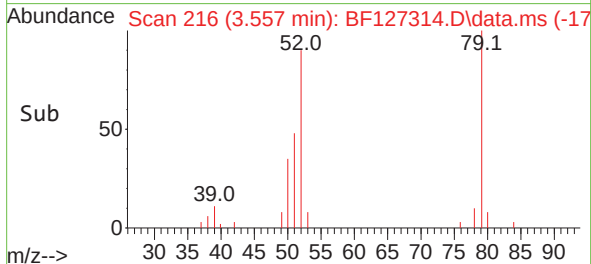
Tgt Ion: 79	Resp: 3148
Ion Ratio	Lower Upper
79	100
52	90.1 56.2 84.4
51	48.3 26.7 40.1

Manual Integrations

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Supervised By :Jagrut Upadhyay 03/15/2022



#4

n-Nitrosodimethylamine

Concen: 3.095 ng

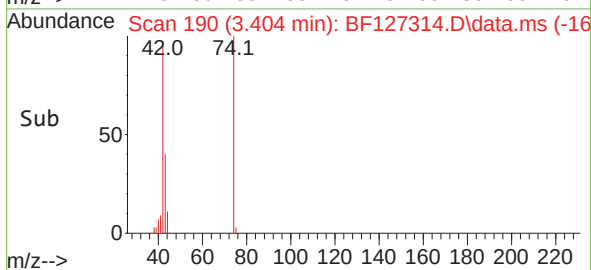
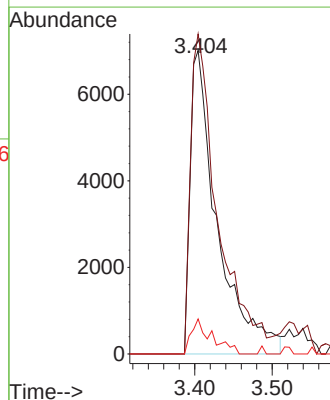
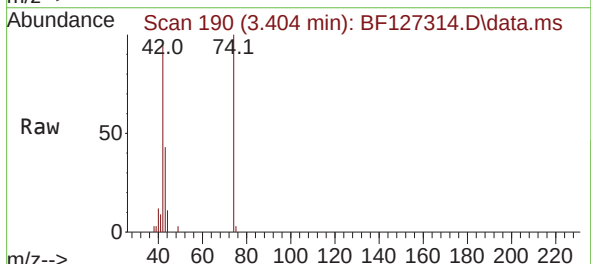
RT: 3.404 min Scan# 190

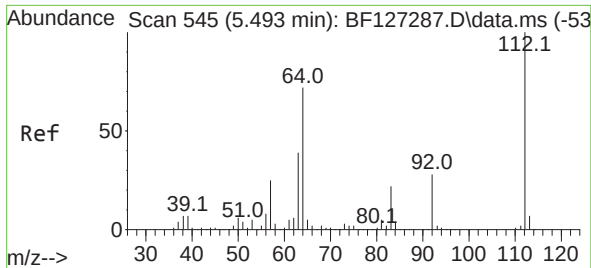
Delta R.T. 0.023 min

Lab File: BF127314.D

Acq: 14 Mar 2022 11:44

Tgt Ion: 42	Resp: 17001
Ion Ratio	Lower Upper
42	100
74	105.4 125.6 188.4
44	11.5 5.7 8.5





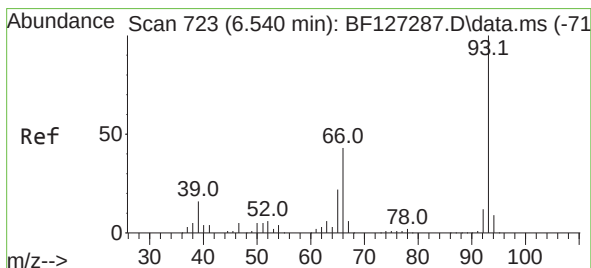
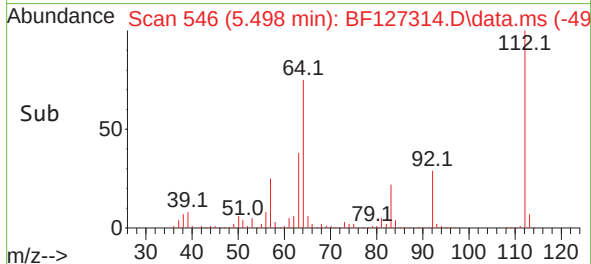
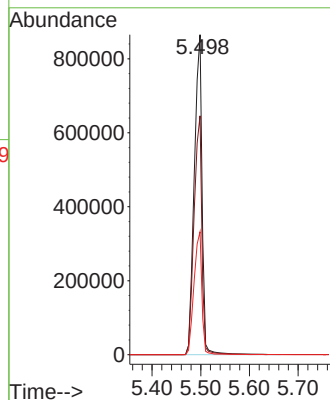
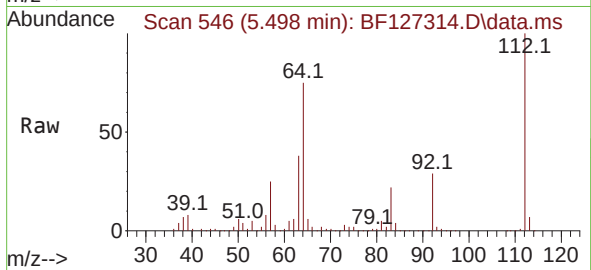
#5
2-Fluorophenol
Concen: 135.049 ng
RT: 5.498 min Scan# 545
Delta R.T. 0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion:112 Resp: 970307
Ion Ratio Lower Upper
112 100
64 74.7 49.5 74.3
63 38.4 23.9 35.9

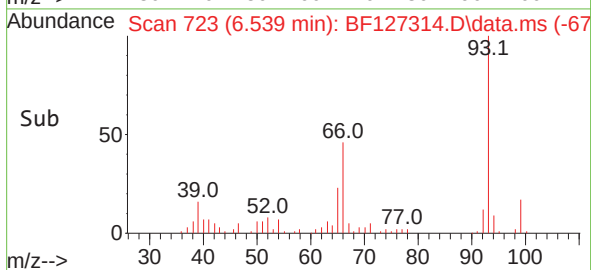
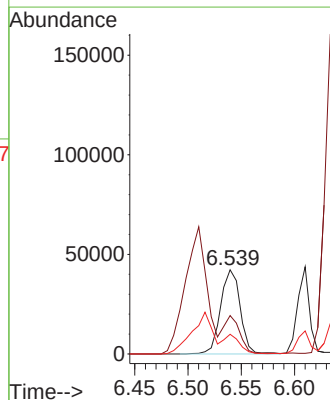
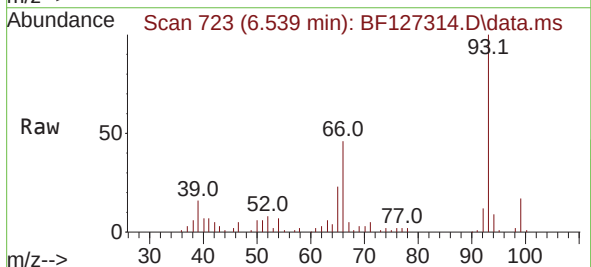
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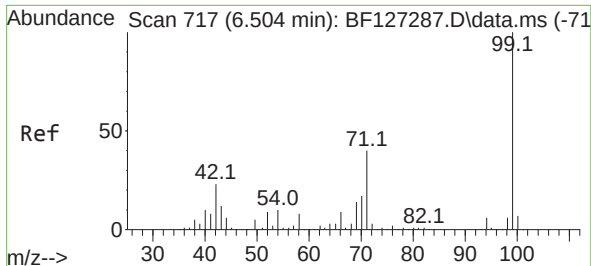
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022



#6
Aniline
Concen: 4.583 ng
RT: 6.539 min Scan# 723
Delta R.T. -0.000 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

Tgt Ion: 93 Resp: 54135
Ion Ratio Lower Upper
93 100
66 45.7 32.2 48.4
65 23.3 16.3 24.5





#7

Phenol-d6

Concen: 140.354 ng

RT: 6.510 min Scan# 718

Delta R.T. 0.006 min

Lab File: BF127314.D

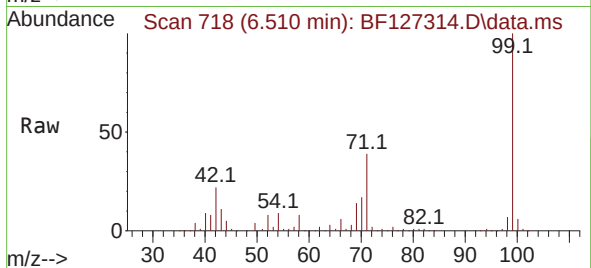
Acq: 14 Mar 2022 11:44

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2022



Tgt Ion: 99 Resp: 1387238

Ion Ratio Lower Upper

99 100

42 22.4 14.2 21.4

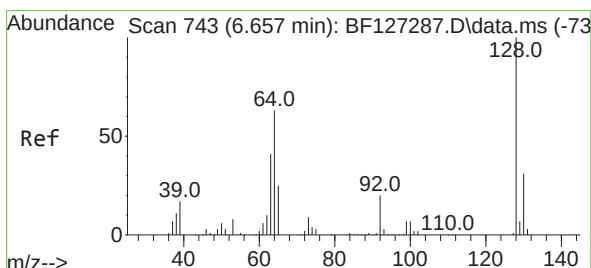
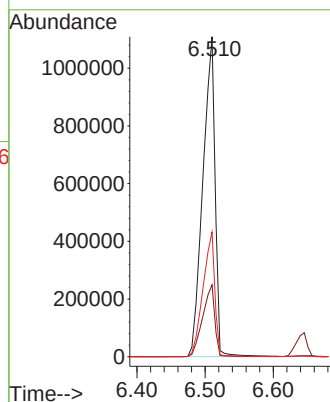
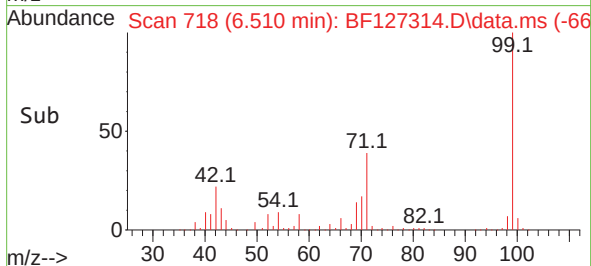
71 38.9 24.3 36.5

Manual Integrations

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#8

2-Chlorophenol

Concen: 4.047 ng

RT: 6.657 min Scan# 743

Delta R.T. -0.000 min

Lab File: BF127314.D

Acq: 14 Mar 2022 11:44

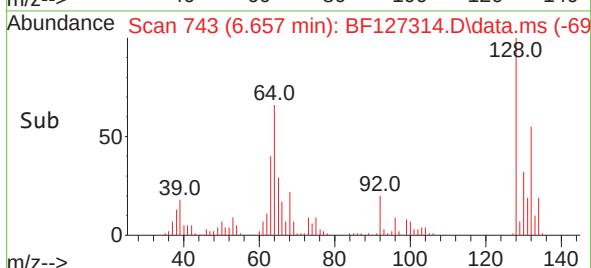
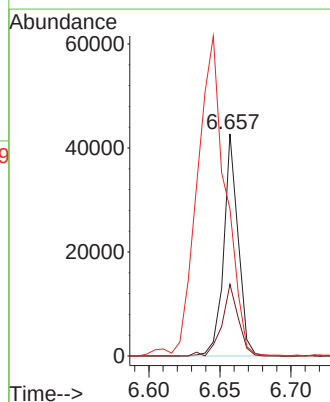
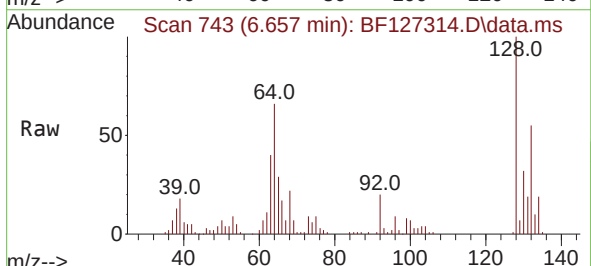
Tgt Ion:128 Resp: 30078

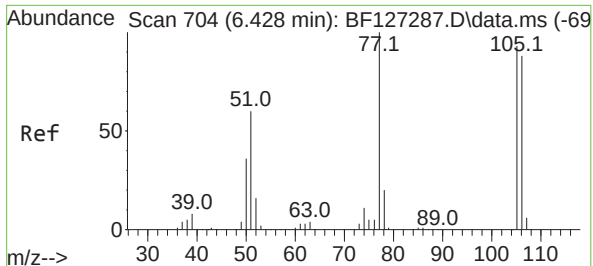
Ion Ratio Lower Upper

128 100

130 32.3 12.7 52.7

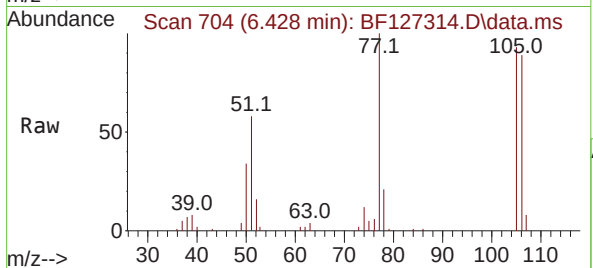
64 66.2 35.6 75.6





#9
Benzaldehyde
Concen: 5.165 ng
RT: 6.428 min Scan# 704
Delta R.T. -0.000 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

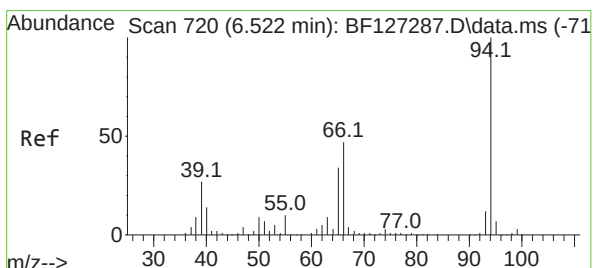
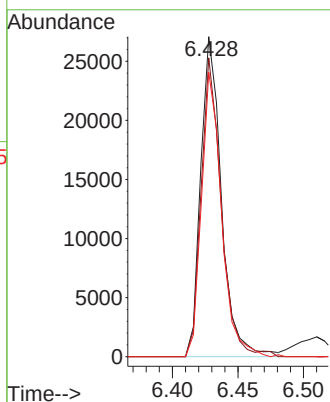
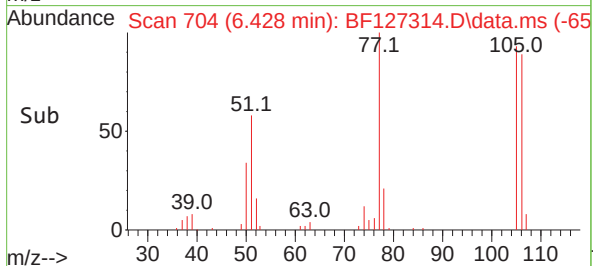
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion: 77 Resp: 29758
Ion Ratio Lower Upper
77 100
105 93.4 74.9 114.9
106 88.9 72.4 112.4

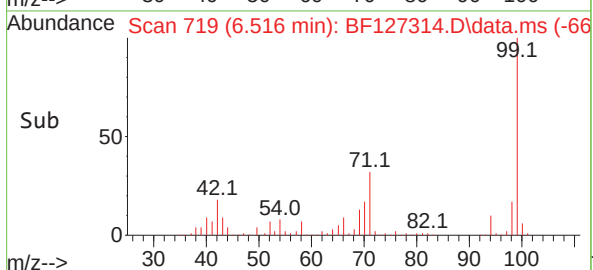
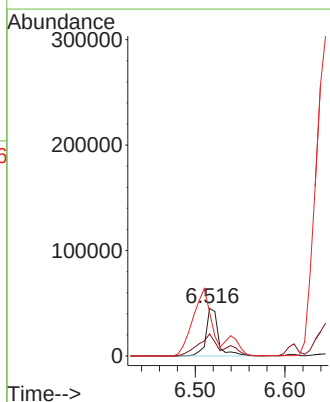
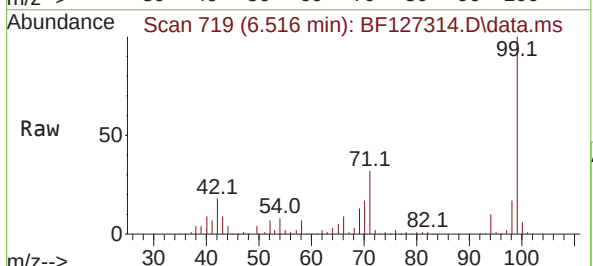
Manual Integrations
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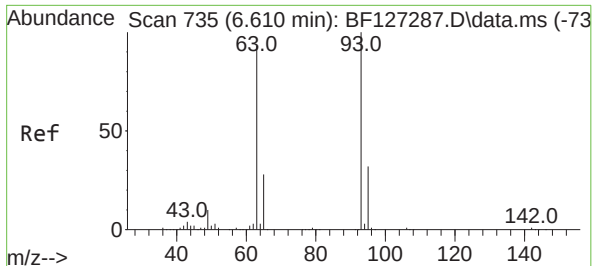
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022



#10
Phenol
Concen: 3.986 ng
RT: 6.516 min Scan# 719
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

Tgt Ion: 94 Resp: 43283
Ion Ratio Lower Upper
94 100
65 46.5 7.2 47.2
66 92.3 14.5 54.5#





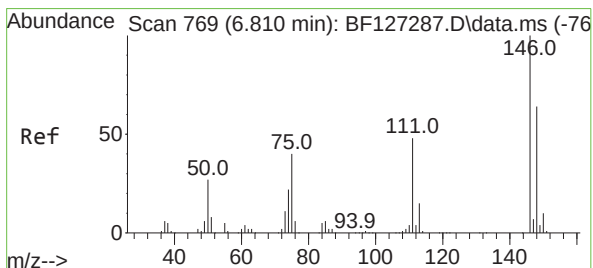
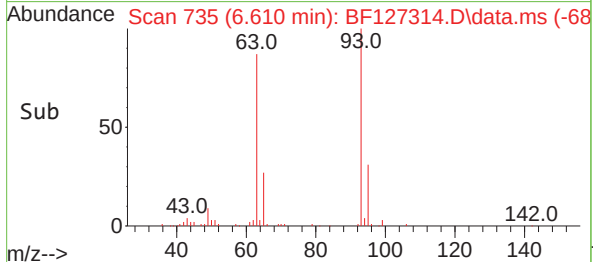
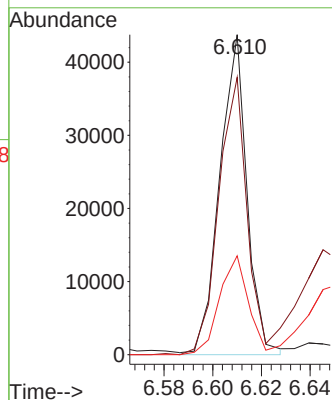
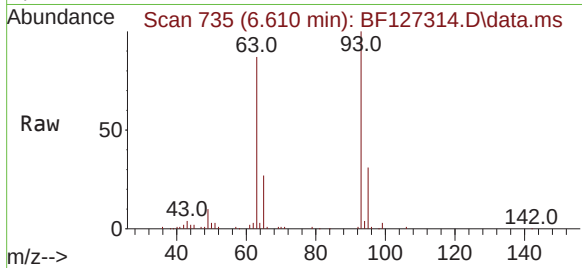
#11
bis(2-Chloroethyl)ether
Concen: 4.205 ng
RT: 6.610 min Scan# 711
Delta R.T. -0.000 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion: 93 Resp: 33900
Ion Ratio Lower Upper
93 100
63 86.7 60.5 100.5
95 30.9 12.9 52.9

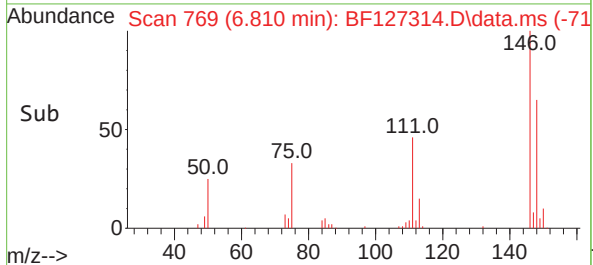
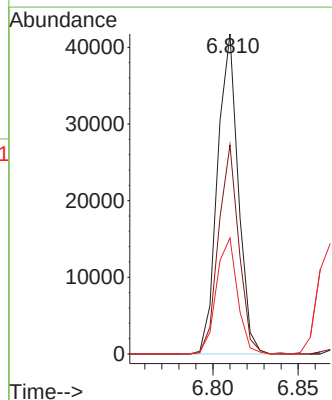
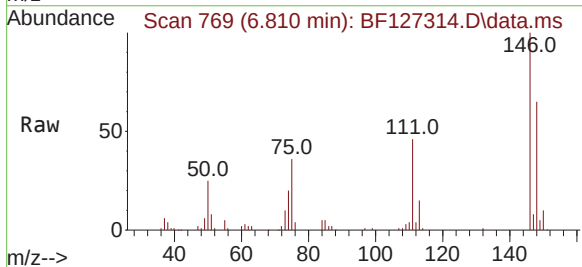
Manual Integrations
APPROVED

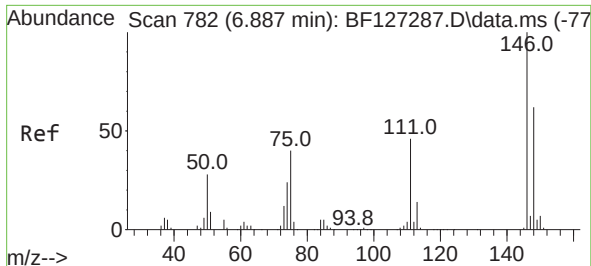
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022



#12
1,3-Dichlorobenzene
Concen: 4.228 ng
RT: 6.810 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

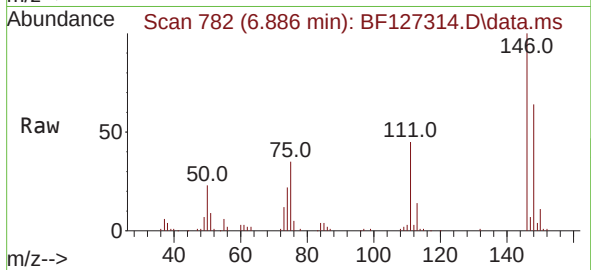
Tgt Ion:146 Resp: 35272
Ion Ratio Lower Upper
146 100
148 65.3 50.9 76.3
75 36.3 28.4 42.6





#13
1,4-Dichlorobenzene
Concen: 4.251 ng
RT: 6.886 min Scan# 714
Delta R.T. -0.000 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

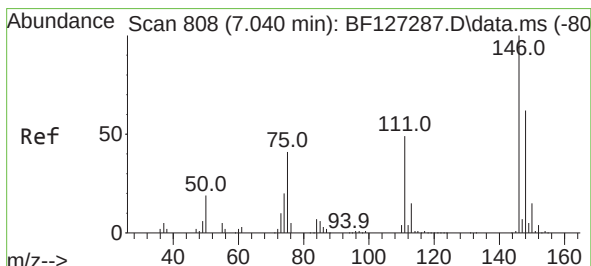
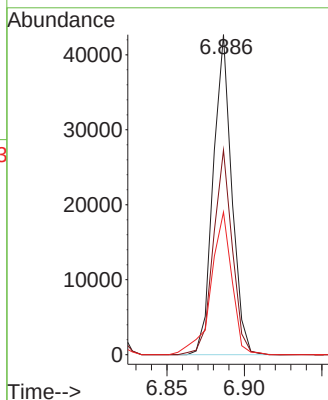
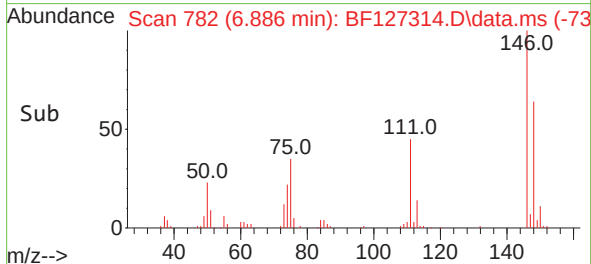
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2022



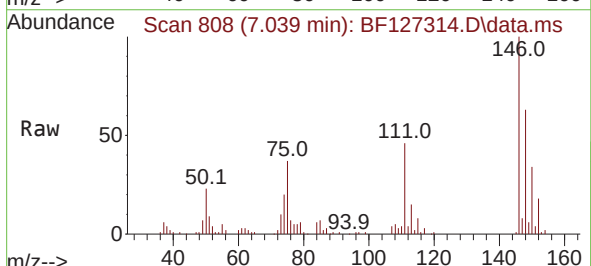
Tgt Ion:146 Resp: 35578
Ion Ratio Lower Upper
146 100
148 64.0 49.8 74.6
111 44.6 36.1 54.1

Manual Integrations
APPROVED

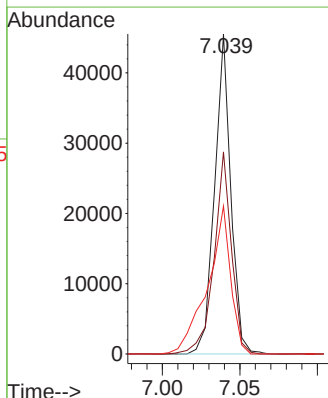
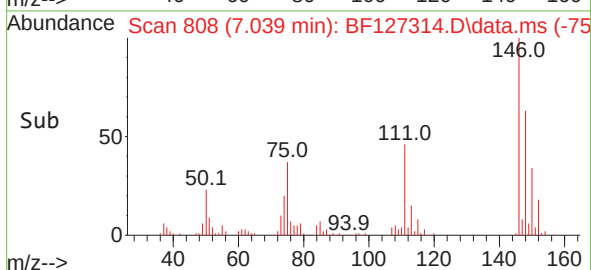
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022

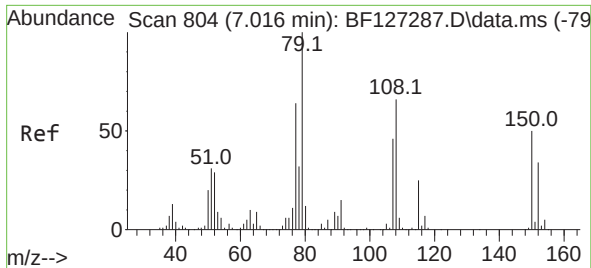


#14
1,2-Dichlorobenzene
Concen: 4.201 ng
RT: 7.039 min Scan# 808
Delta R.T. -0.000 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44



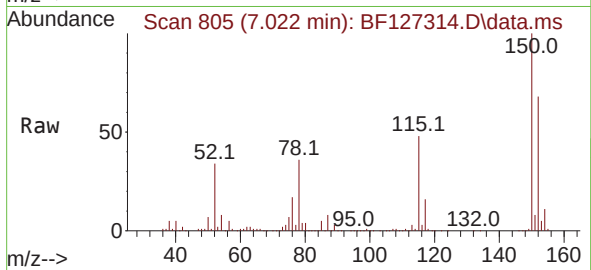
Tgt Ion:146 Resp: 33098
Ion Ratio Lower Upper
146 100
148 63.2 51.6 77.4
111 46.2 40.2 60.2





#15
Benzyl Alcohol
Concen: 3.960 ng
RT: 7.022 min Scan# 804
Delta R.T. 0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

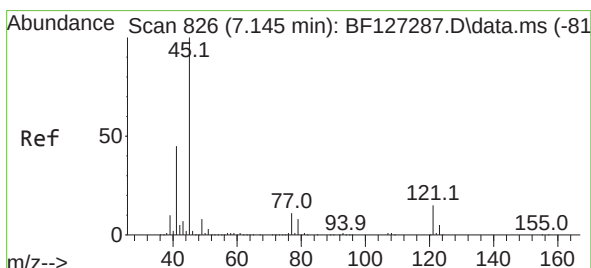
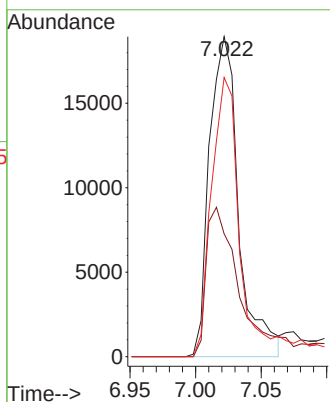
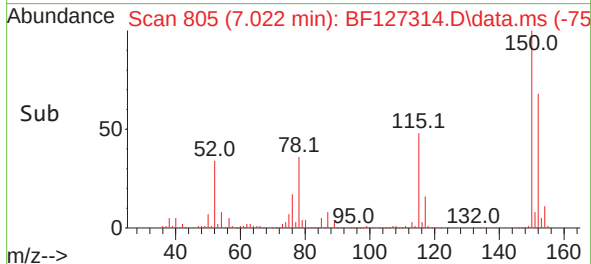
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion: 79 Resp: 29340
Ion Ratio Lower Upper
79 100
108 38.4 63.2 94.8
77 87.2 49.4 74.2

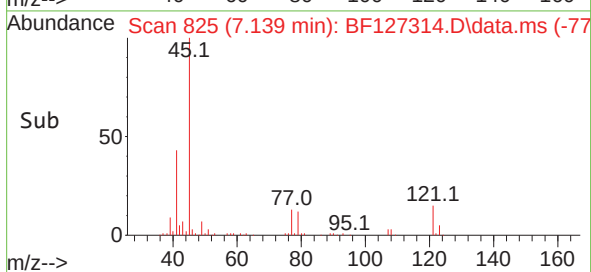
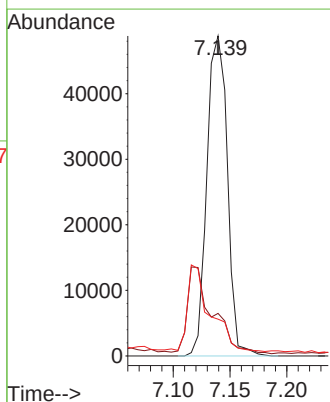
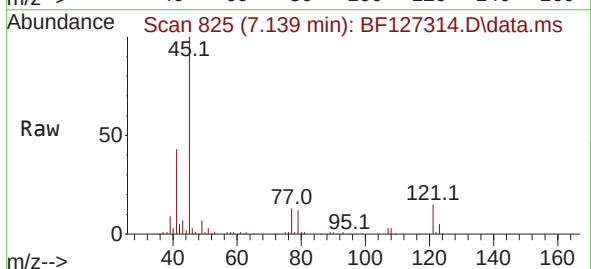
Manual Integrations
APPROVED

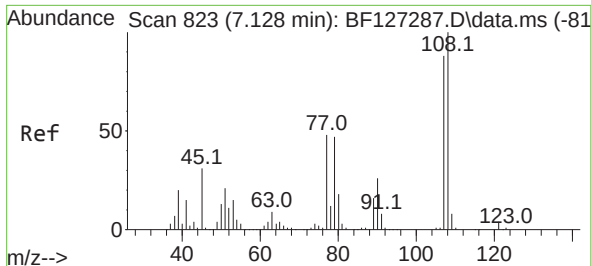
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 4.049 ng
RT: 7.139 min Scan# 825
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

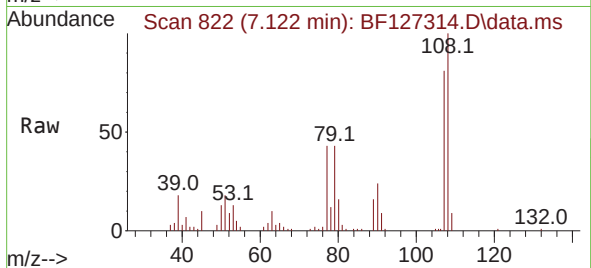
Tgt Ion: 45 Resp: 61261
Ion Ratio Lower Upper
45 100
77 13.3 0.0 32.4
79 11.5 0.0 29.8





#17
2-Methylphenol
Concen: 4.121 ng
RT: 7.122 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

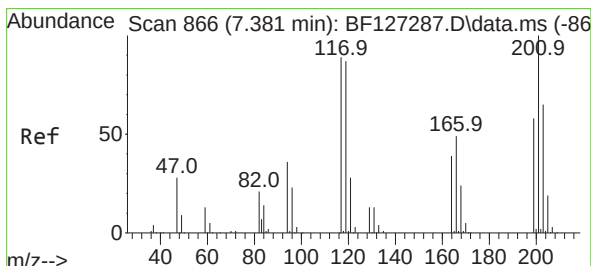
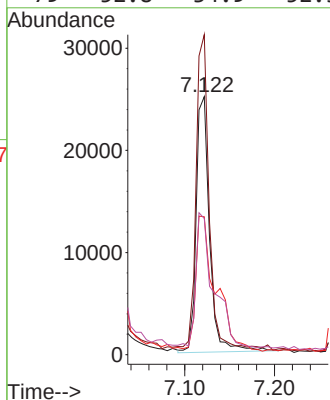
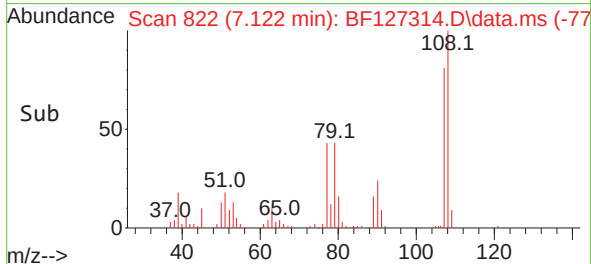
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:107 Resp: 2604
Ion Ratio Lower Upper
107 100
108 124.0 93.4 140.0
77 53.4 36.1 54.1
79 52.8 34.9 52.3#

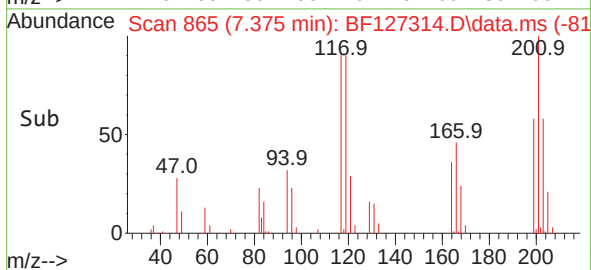
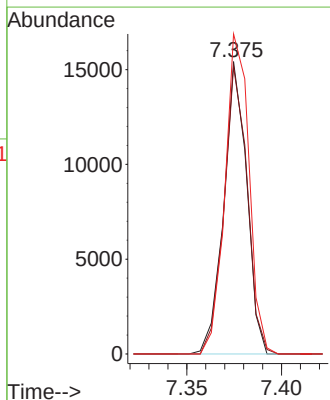
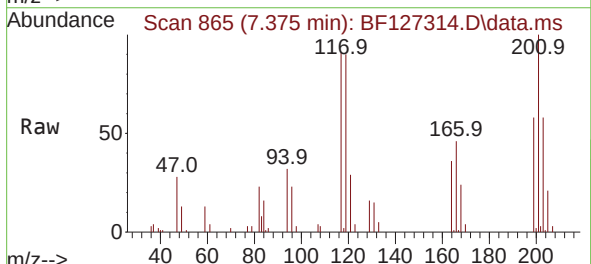
Manual Integrations
APPROVED

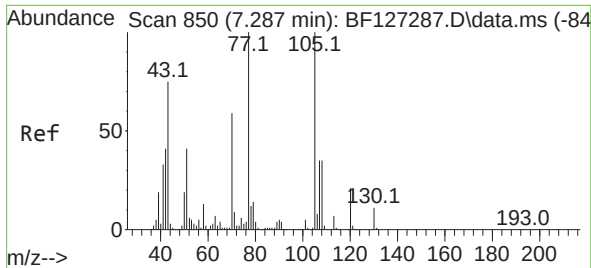
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022



#18
Hexachloroethane
Concen: 4.034 ng
RT: 7.375 min Scan# 865
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

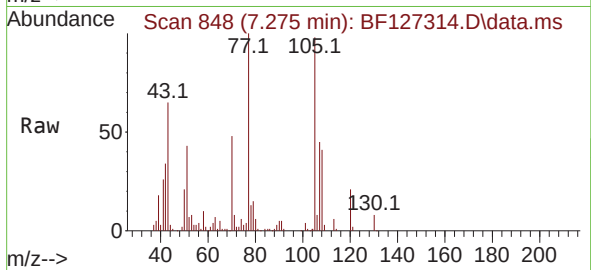
Tgt Ion:117 Resp: 12970
Ion Ratio Lower Upper
117 100
119 98.3 75.4 113.0
201 109.5 56.8 85.2#





#19
n-Nitroso-di-n-propylamine
Concen: 4.271 ng
RT: 7.275 min Scan# 848
Delta R.T. -0.012 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

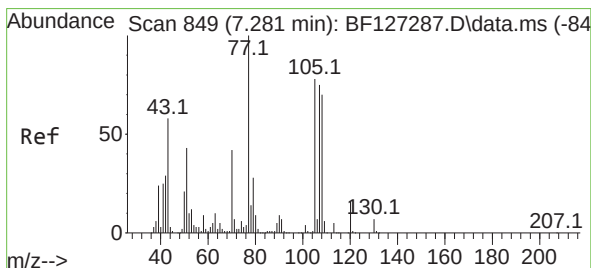
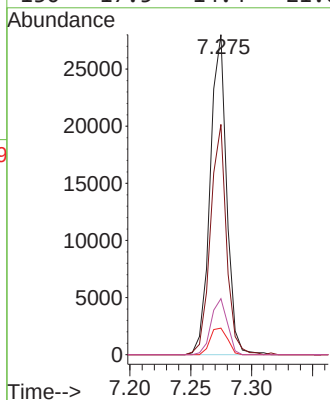
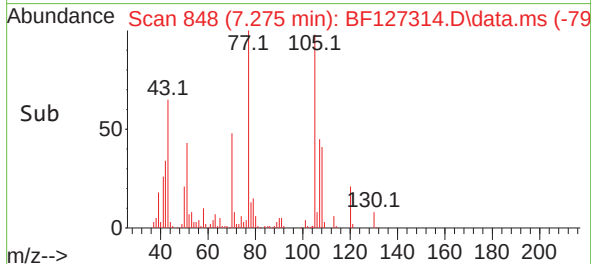
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT1-2022



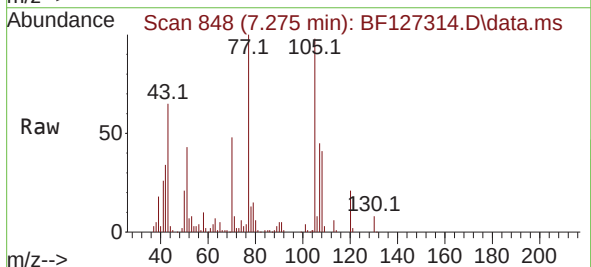
Tgt Ion: 70 Resp: 26345
Ion Ratio Lower Upper
70 100
42 72.0 45.8 68.8
101 8.3 6.9 10.3
130 17.5 14.4 21.6

Manual Integrations
APPROVED

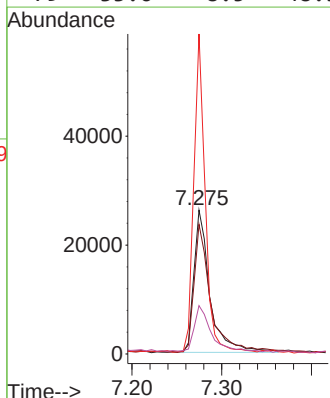
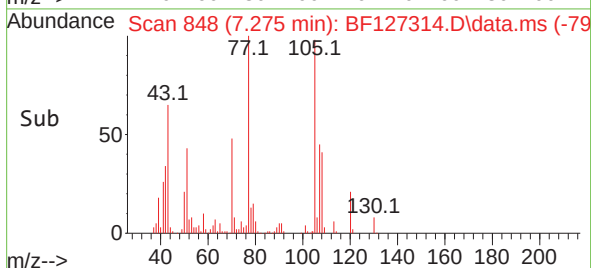
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022

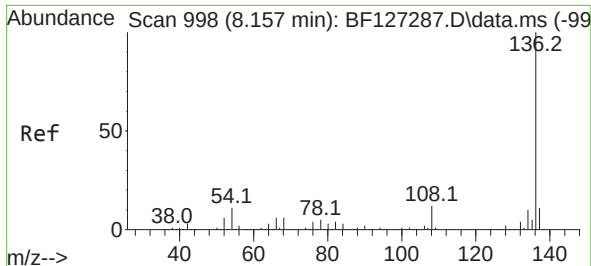


#20
3+4-Methylphenols
Concen: 3.962 ng
RT: 7.275 min Scan# 848
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44



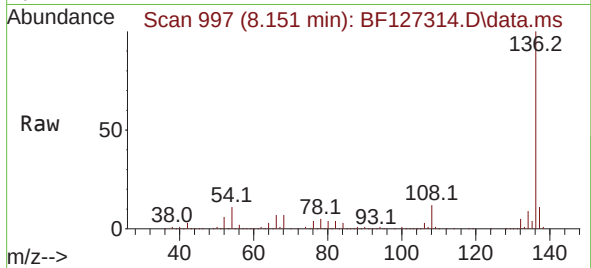
Tgt Ion:107 Resp: 32465
Ion Ratio Lower Upper
107 100
108 90.1 72.4 112.4
77 222.4 83.8 123.8
79 33.6 8.5 48.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 998
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

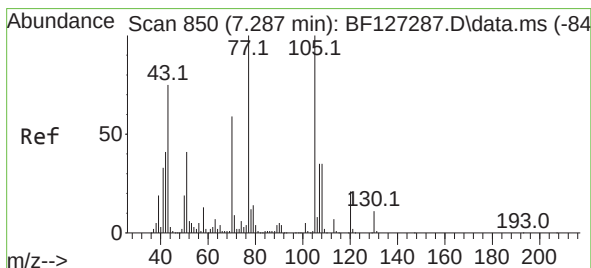
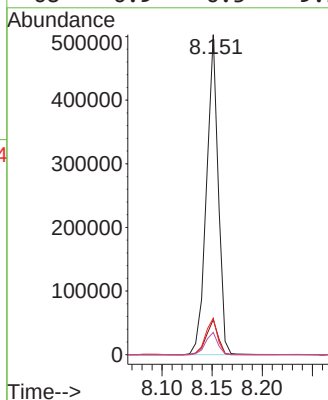
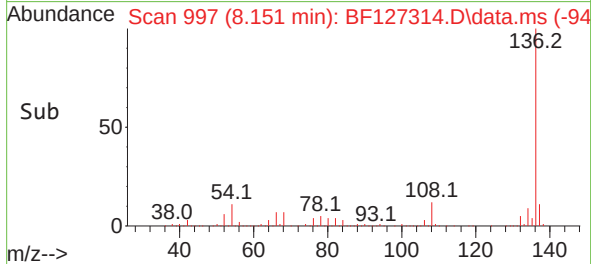
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:136 Resp: 41088
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 11.4 7.8 11.6
68 6.9 6.3 9.5

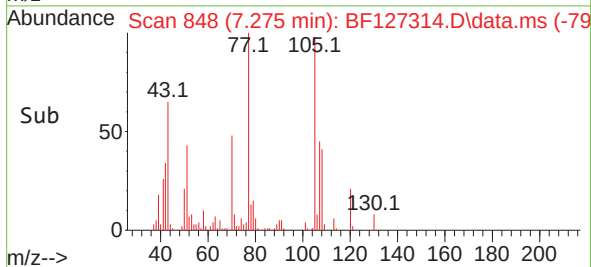
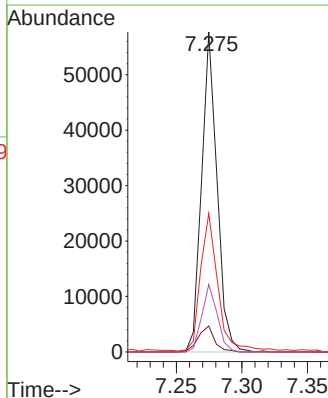
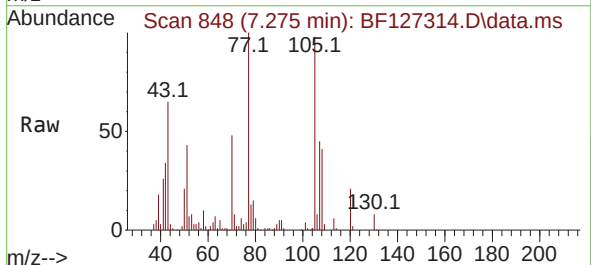
Manual Integrations
APPROVED

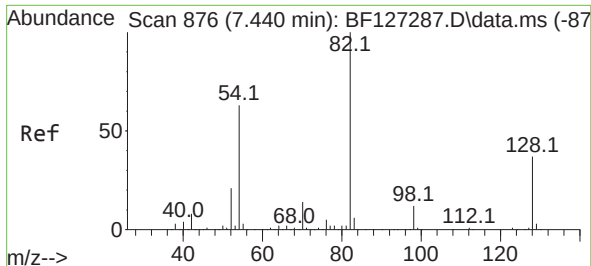
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022



#22
Acetophenone
Concen: 4.218 ng
RT: 7.275 min Scan# 848
Delta R.T. -0.012 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

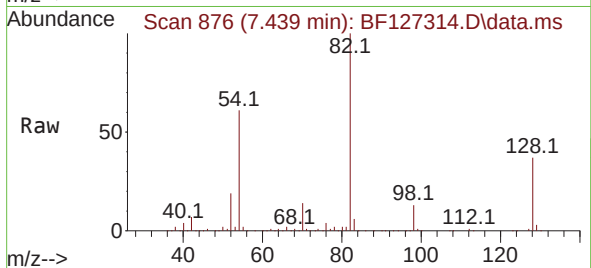
Tgt Ion:105 Resp: 47454
Ion Ratio Lower Upper
105 100
71 8.1 5.4 8.0#
51 43.3 27.4 41.0#
120 21.1 17.0 25.6





#23
Nitrobenzene-d5
Concen: 79.081 ng
RT: 7.439 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

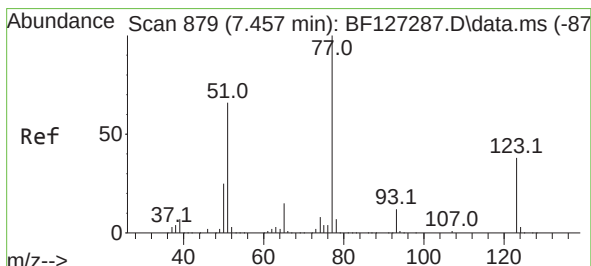
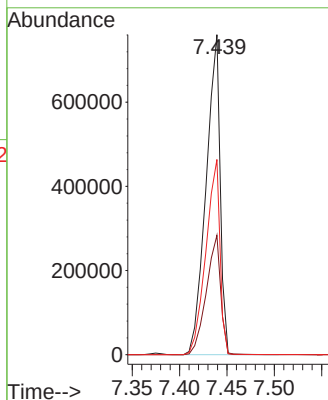
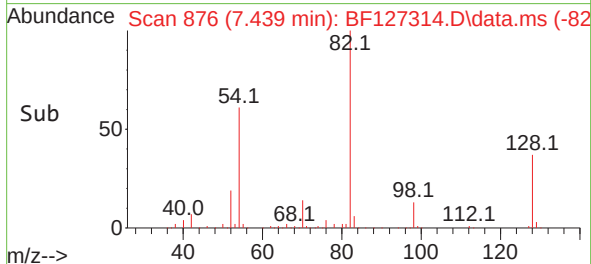
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion: 82 Resp: 78679
Ion Ratio Lower Upper
82 100
128 37.3 32.7 49.1
54 61.0 41.7 62.5

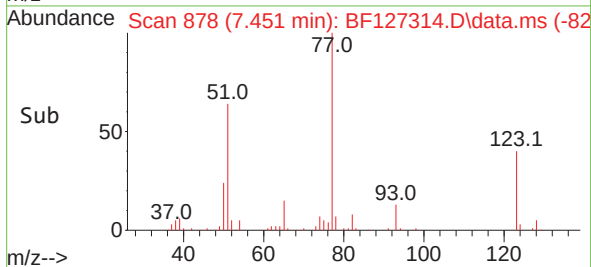
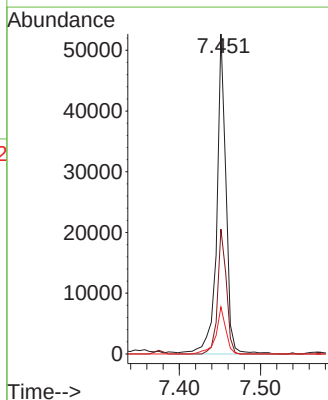
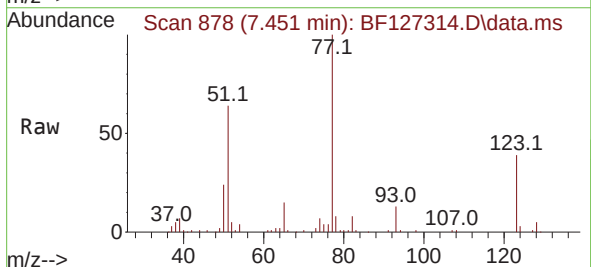
Manual Integrations
APPROVED

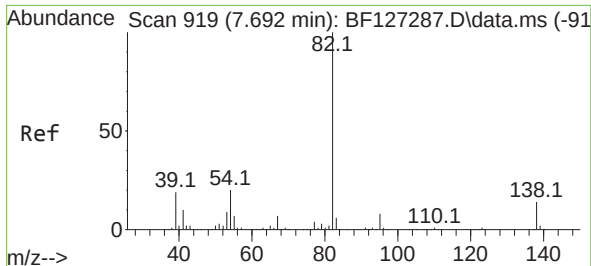
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022



#24
Nitrobenzene
Concen: 4.412 ng
RT: 7.451 min Scan# 878
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

Tgt Ion: 77 Resp: 41521
Ion Ratio Lower Upper
77 100
123 39.0 34.6 52.0
65 14.7 10.6 15.8





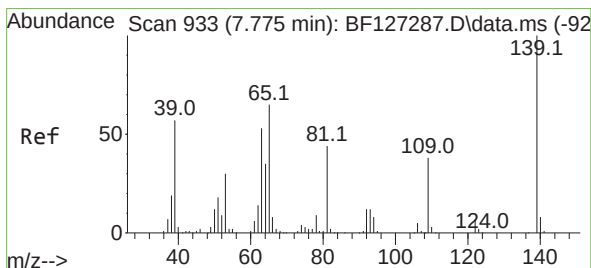
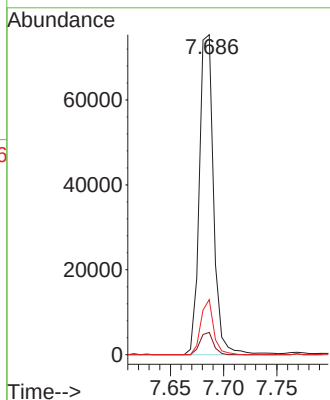
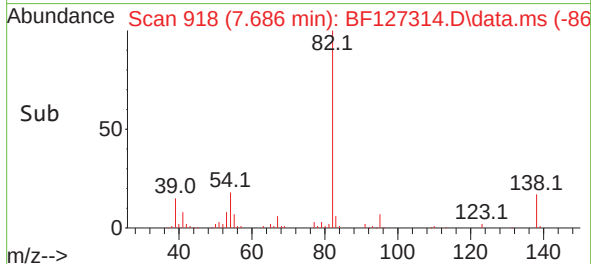
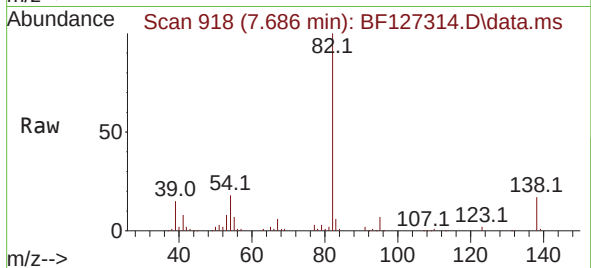
#25
Isophorone
Concen: 4.412 ng
RT: 7.686 min Scan# 919
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion: 82 Resp: 7059
Ion Ratio Lower Upper
82 100
95 6.9 5.0 7.4
138 17.2 12.3 18.5

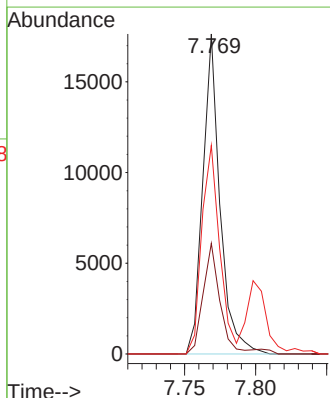
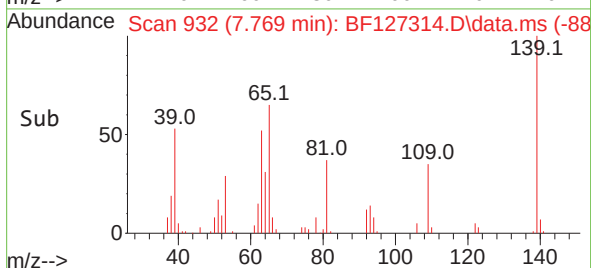
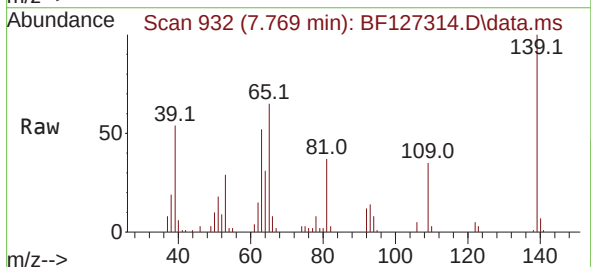
Manual Integrations
APPROVED

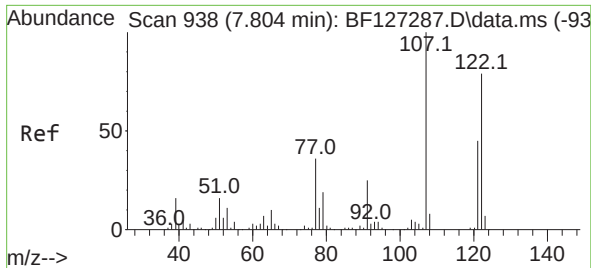
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022



#26
2-Nitrophenol
Concen: 3.821 ng
RT: 7.769 min Scan# 932
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

Tgt Ion:139 Resp: 14891
Ion Ratio Lower Upper
139 100
109 34.5 20.0 30.0#
65 65.1 40.8 61.2#





#27

2,4-Dimethylphenol

Concen: 4.974 ng

RT: 7.804 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF127314.D

Acq: 14 Mar 2022 11:44

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2022

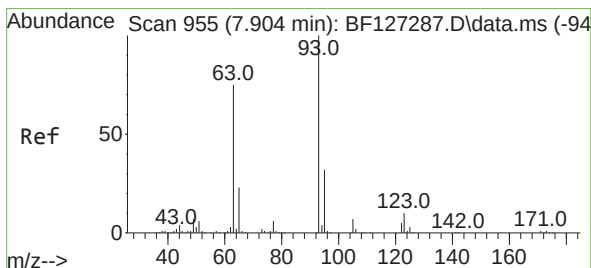
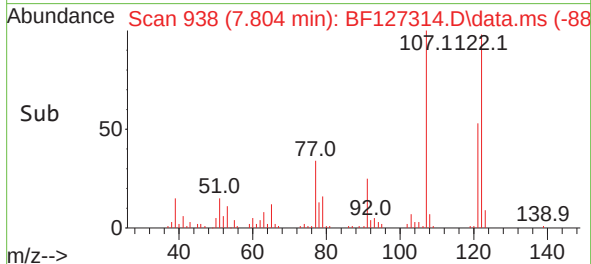
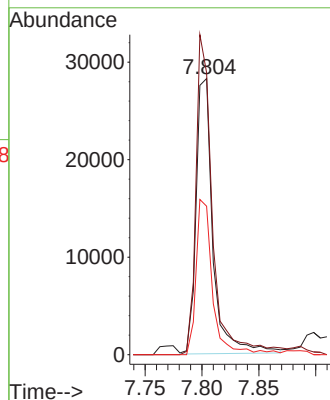
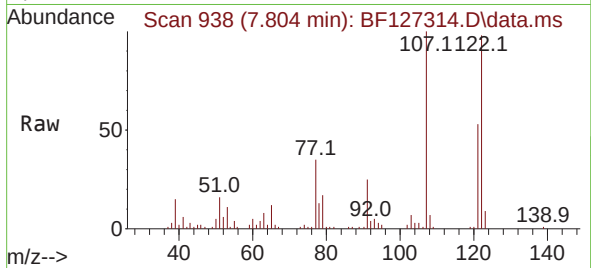
Tgt Ion:	122	Resp:	2910
Ion Ratio	Lower	Upper	
122	100		
107	102.1	91.2	136.8
121	53.8	44.4	66.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/15/2022

Supervised By :Jagrut Upadhyay 03/15/2022



#28

bis(2-Chloroethoxy)methane

Concen: 4.214 ng

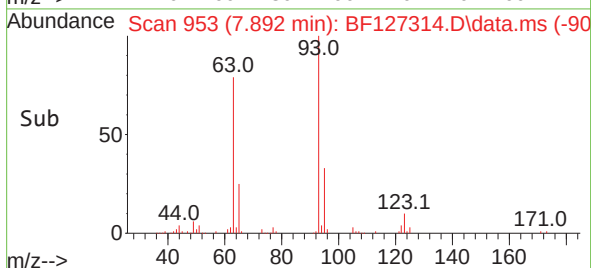
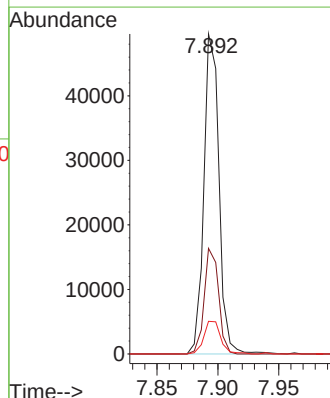
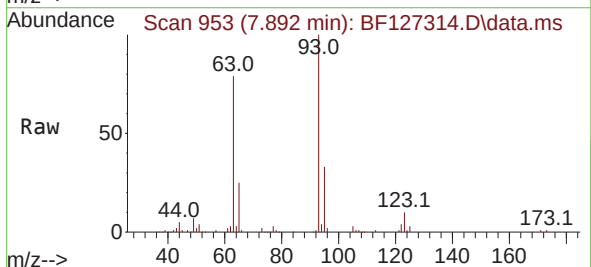
RT: 7.892 min Scan# 953

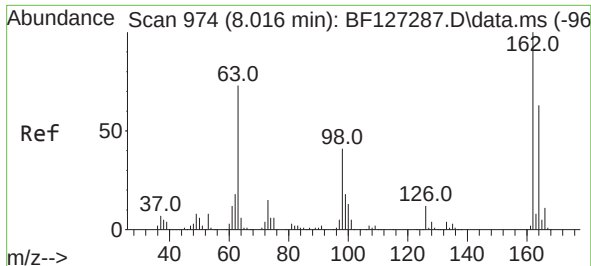
Delta R.T. -0.012 min

Lab File: BF127314.D

Acq: 14 Mar 2022 11:44

Tgt Ion:	93	Resp:	42717
Ion Ratio	Lower	Upper	
93	100		
95	33.0	25.4	38.2
123	10.2	8.9	13.3





#29

2,4-Dichlorophenol

Concen: 4.002 ng

RT: 8.016 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF127314.D

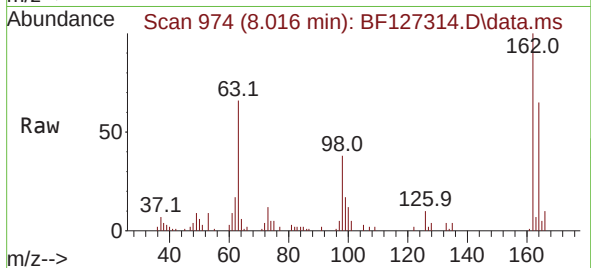
Acq: 14 Mar 2022 11:44

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2022



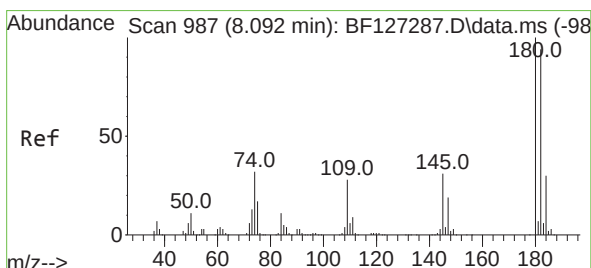
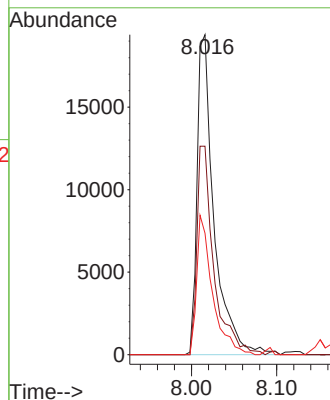
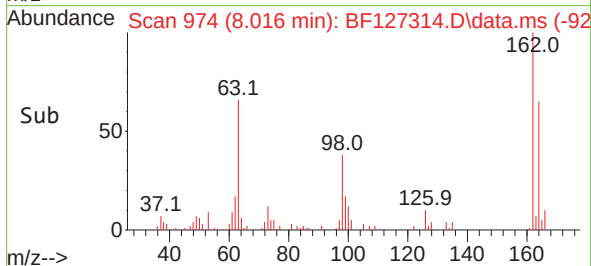
Tgt Ion:	162	Resp:	26814
Ion Ratio	Lower	Upper	
162	100		
164	65.1	43.8	83.8
98	38.0	23.6	63.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/15/2022

Supervised By :Jagrut Upadhyay 03/15/2022



#30

1,2,4-Trichlorobenzene

Concen: 4.099 ng

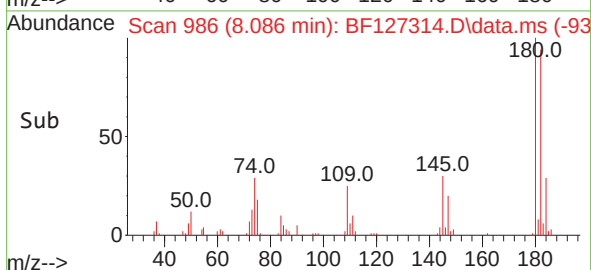
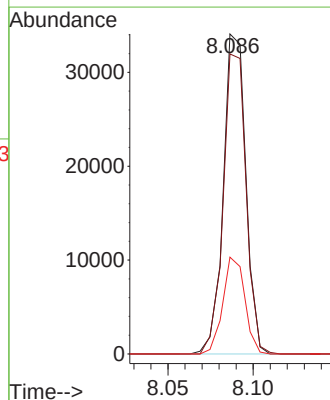
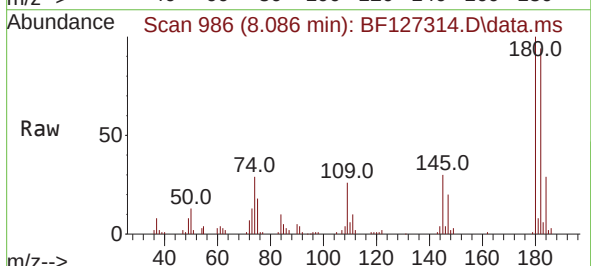
RT: 8.086 min Scan# 986

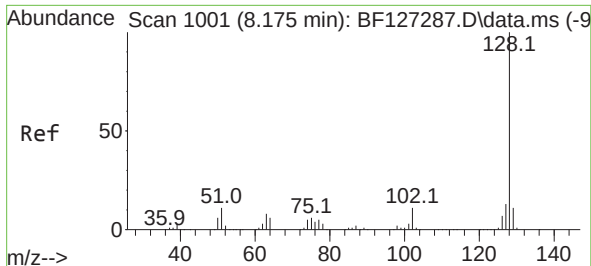
Delta R.T. -0.006 min

Lab File: BF127314.D

Acq: 14 Mar 2022 11:44

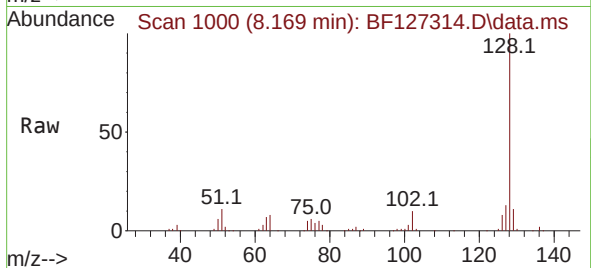
Tgt Ion:	180	Resp:	31305
Ion Ratio	Lower	Upper	
180	100		
182	93.8	75.5	113.3
145	30.3	26.2	39.2





#31
Naphthalene
Concen: 4.383 ng
RT: 8.169 min Scan# 1000
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

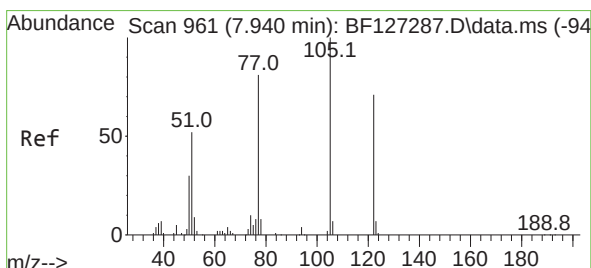
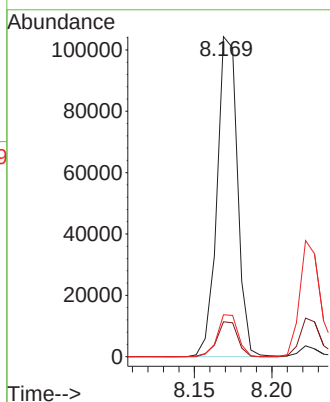
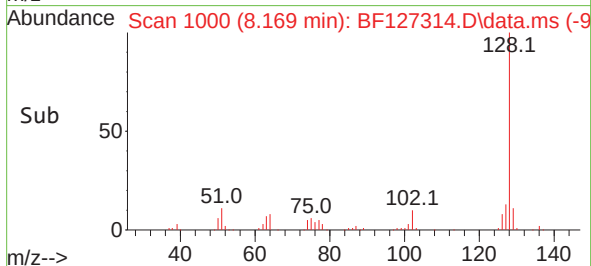
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:128 Resp: 9606
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 13.1 10.3 15.5

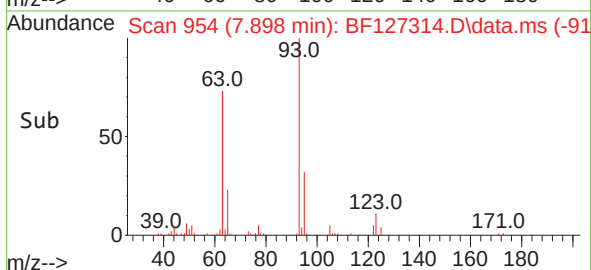
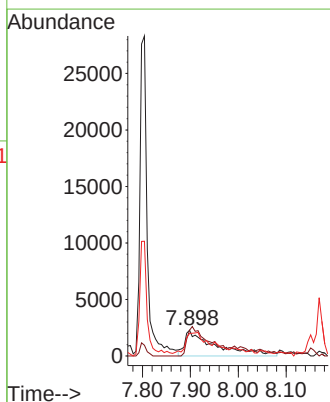
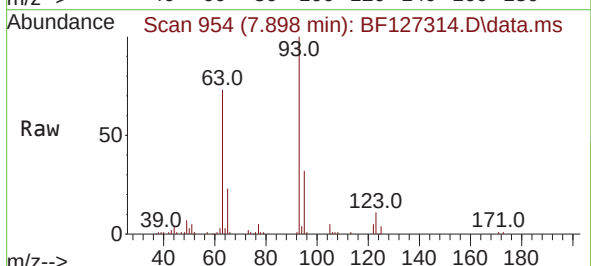
Manual Integrations
APPROVED

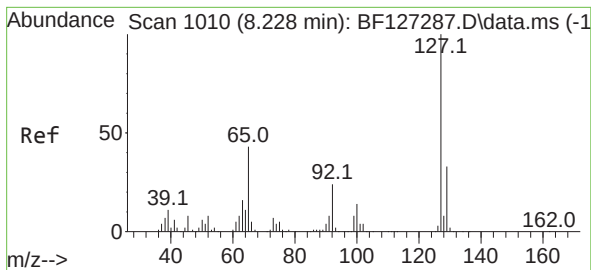
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022



#32
Benzoic acid
Concen: 2.752 ng m
RT: 7.898 min Scan# 954
Delta R.T. -0.042 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

Tgt Ion:122 Resp: 9991
Ion Ratio Lower Upper
122 100
105 100.1 101.0 141.0#
77 87.7 74.5 114.5





#33

4-Chloroaniline

Concen: 4.361 ng

RT: 8.222 min Scan# 1010

Delta R.T. -0.006 min

Lab File: BF127314.D

Acq: 14 Mar 2022 11:44

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2022

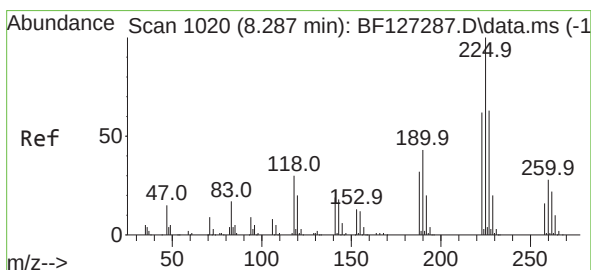
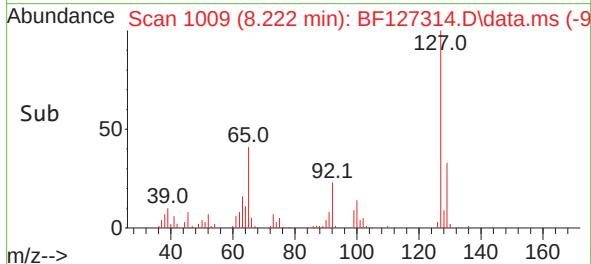
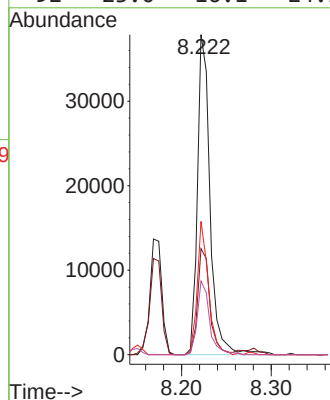
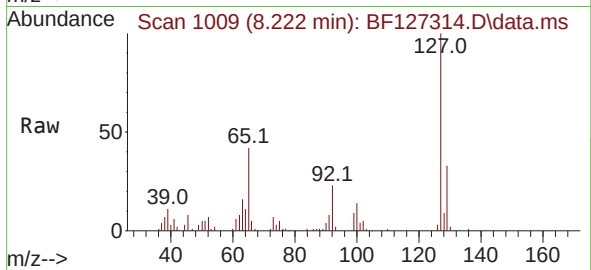
Tgt Ion:	127	Resp:	37050
Ion Ratio	Lower	Upper	
127	100		
129	33.1	26.5	39.7
65	41.7	26.6	39.8
92	23.0	16.1	24.1

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 03/15/2022

Supervised By :Jagrut Upadhyay 03/15/2022



#34

Hexachlorobutadiene

Concen: 3.911 ng

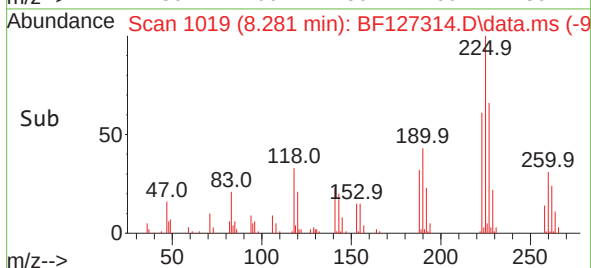
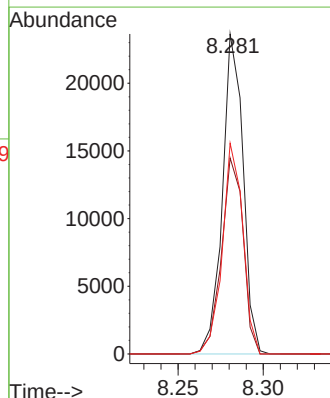
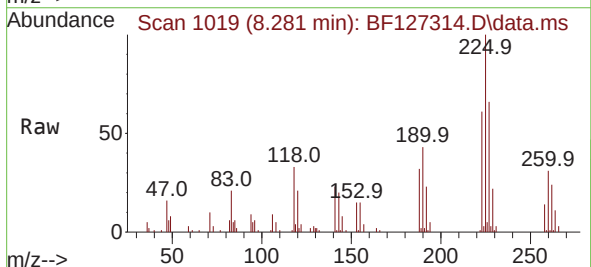
RT: 8.281 min Scan# 1019

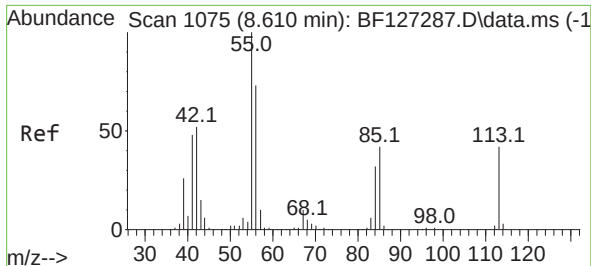
Delta R.T. -0.006 min

Lab File: BF127314.D

Acq: 14 Mar 2022 11:44

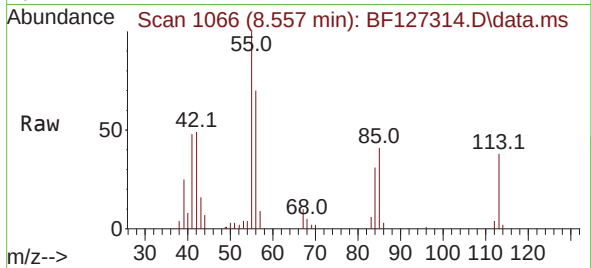
Tgt Ion:	225	Resp:	19920
Ion Ratio	Lower	Upper	
225	100		
223	61.2	48.6	73.0
227	65.8	51.4	77.0





#35
Caprolactam
Concen: 3.781 ng
RT: 8.557 min Scan# 1066
Delta R.T. -0.053 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

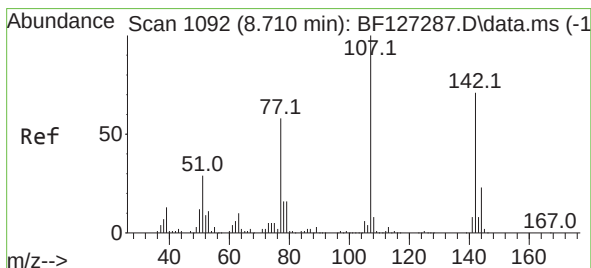
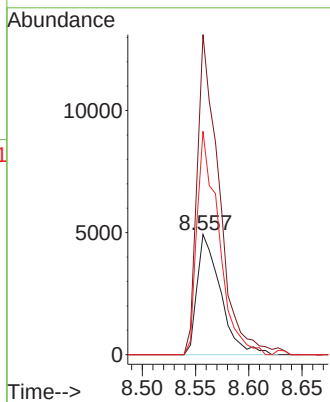
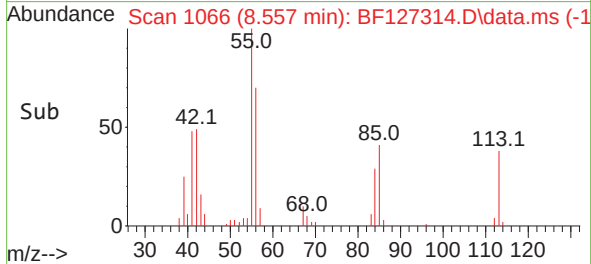
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:113 Resp: 7568
Ion Ratio Lower Upper
113 100
55 266.4 183.9 223.9
56 185.9 129.9 169.9

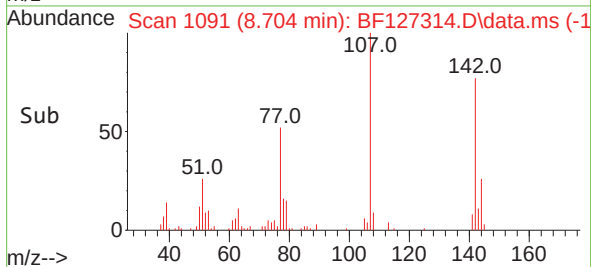
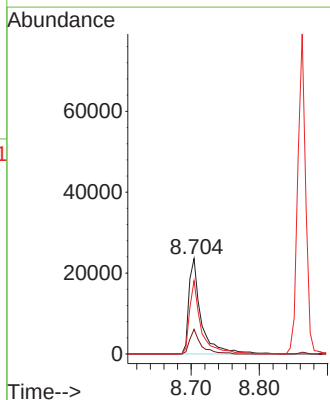
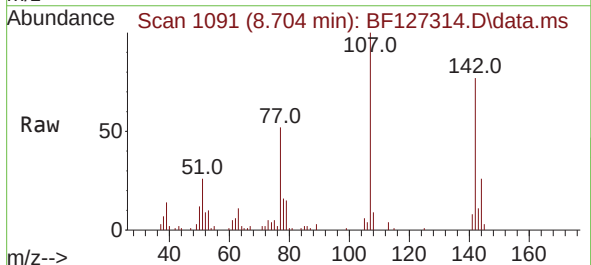
Manual Integrations
APPROVED

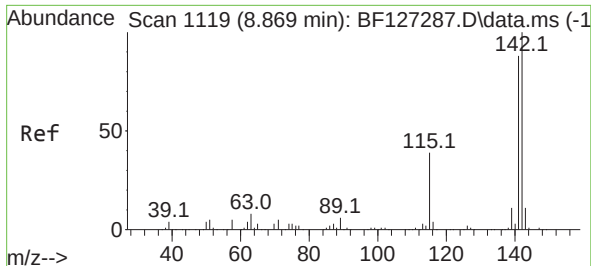
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022



#36
4-Chloro-3-methylphenol
Concen: 4.047 ng
RT: 8.704 min Scan# 1091
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

Tgt Ion:107 Resp: 29386
Ion Ratio Lower Upper
107 100
144 25.8 18.5 27.7
142 76.9 58.1 87.1





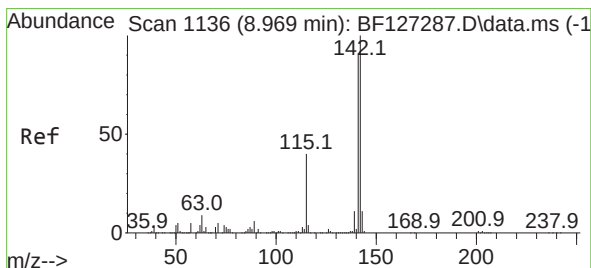
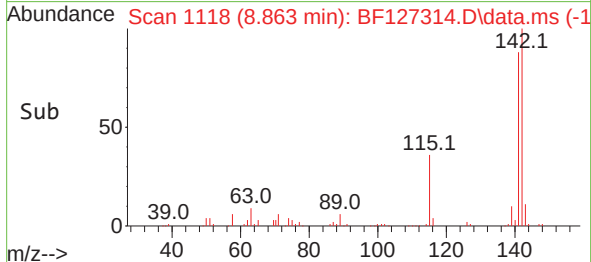
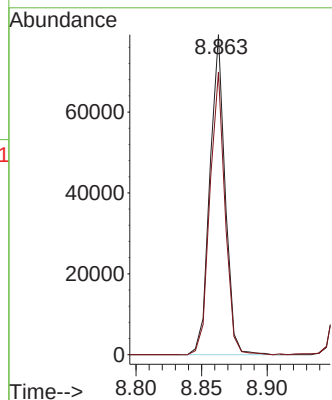
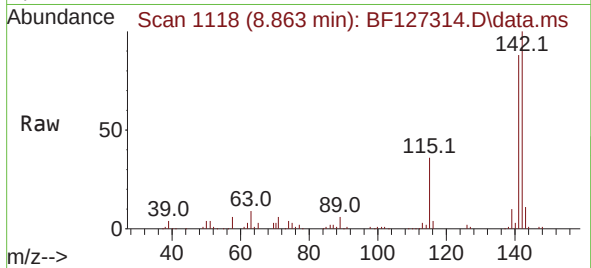
#37
2-Methylnaphthalene
Concen: 4.472 ng
RT: 8.863 min Scan# 1118
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion:142 Resp: 6405
Ion Ratio Lower Upper
142 100
141 88.3 68.6 102.8

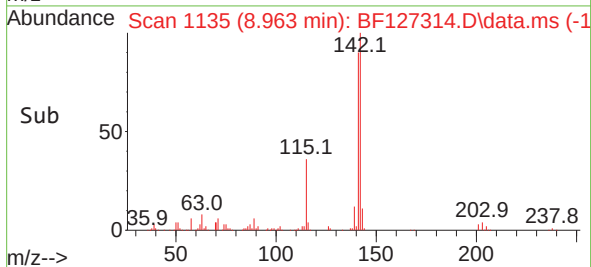
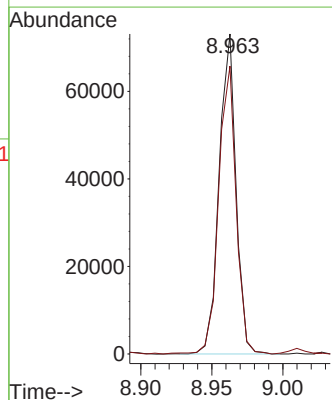
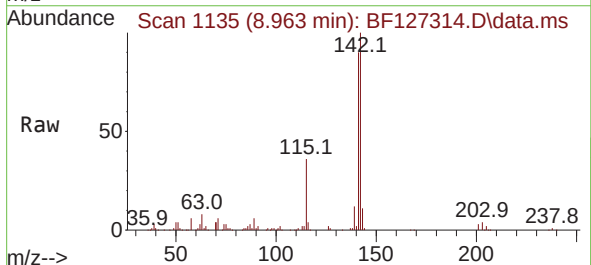
Manual Integrations
APPROVED

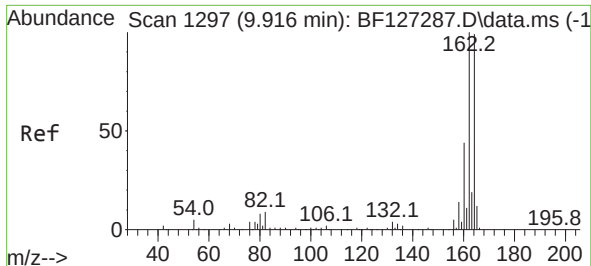
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022



#38
1-Methylnaphthalene
Concen: 4.373 ng
RT: 8.963 min Scan# 1135
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

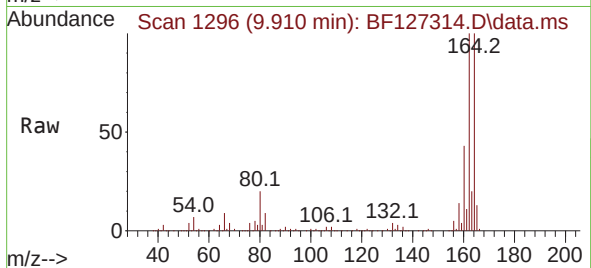
Tgt Ion:142 Resp: 60213
Ion Ratio Lower Upper
142 100
141 90.0 72.1 108.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

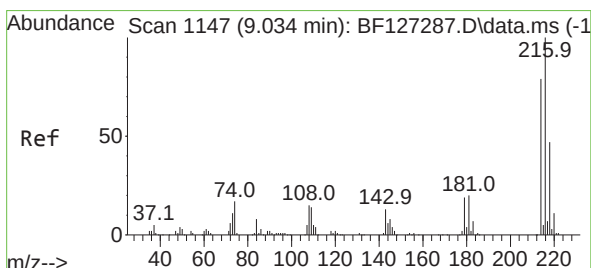
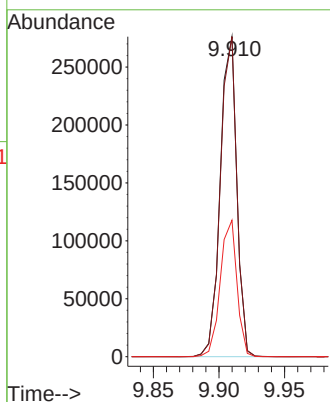
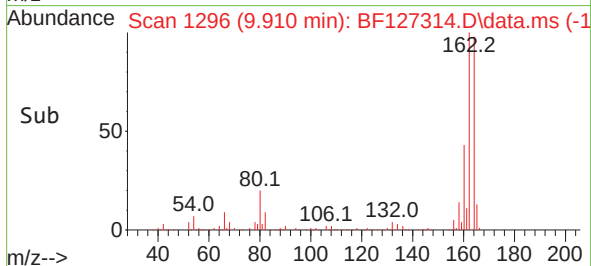
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:164 Resp: 24173
Ion Ratio Lower Upper
164 100
162 100.0 81.4 122.0
160 42.6 36.6 54.8

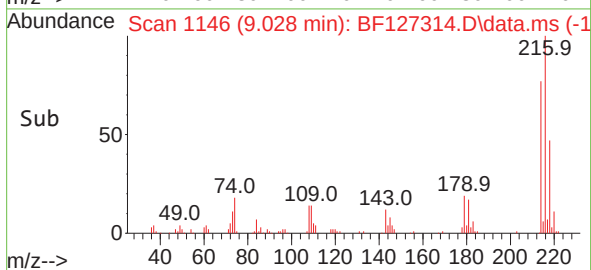
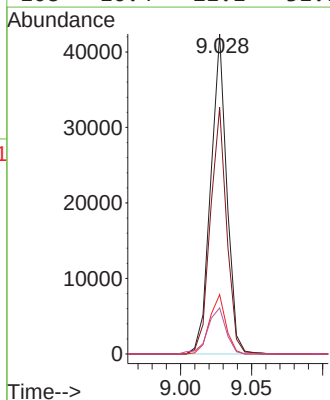
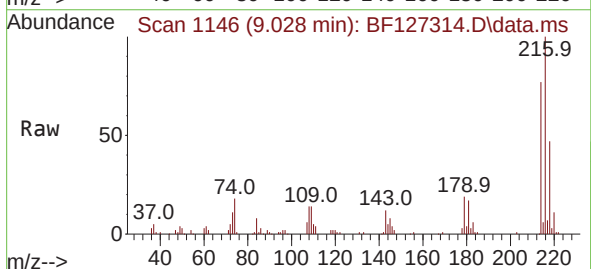
Manual Integrations
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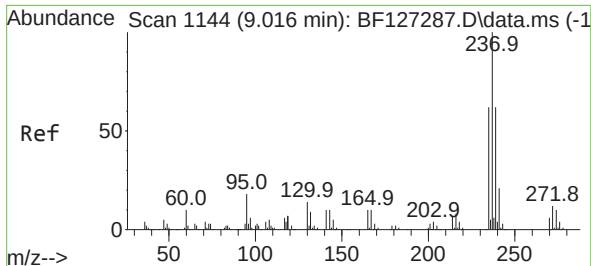
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.363 ng
RT: 9.028 min Scan# 1146
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

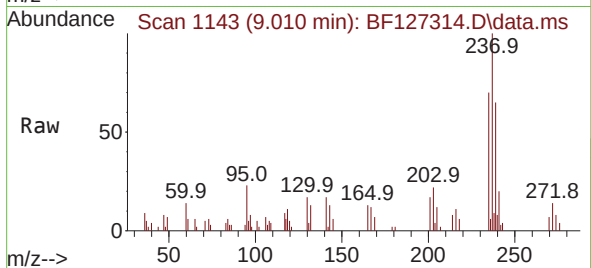
Tgt Ion:216 Resp: 33386
Ion Ratio Lower Upper
216 100
214 77.9 64.6 96.8
179 18.8 19.5 29.3#
108 16.4 21.1 31.7#





#41
Hexachlorocyclopentadiene
Concen: 2.034 ng
RT: 9.010 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

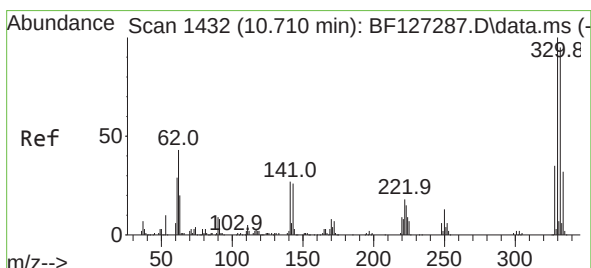
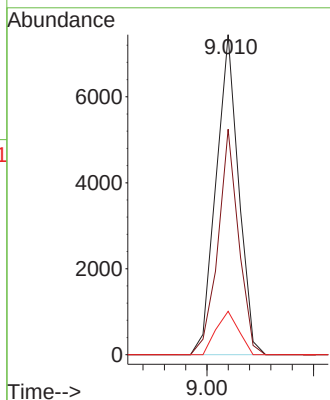
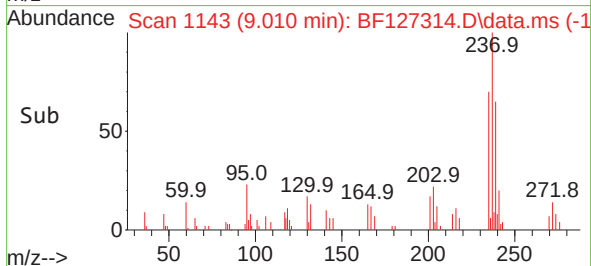
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2022



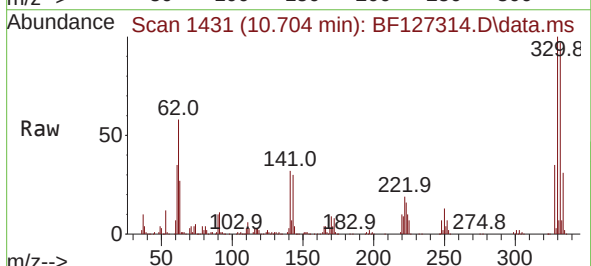
Tgt Ion:237 Resp: 5469
Ion Ratio Lower Upper
237 100
235 70.5 38.9 78.9
272 13.6 0.0 33.5

Manual Integrations
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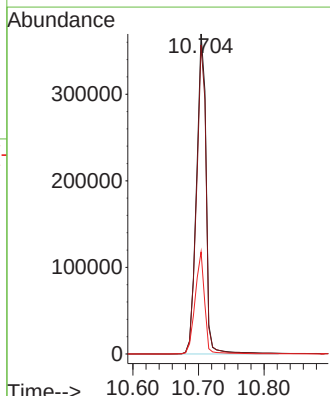
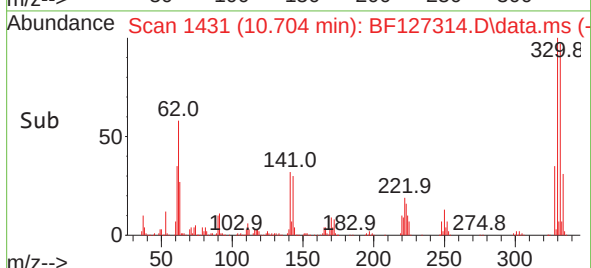
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022

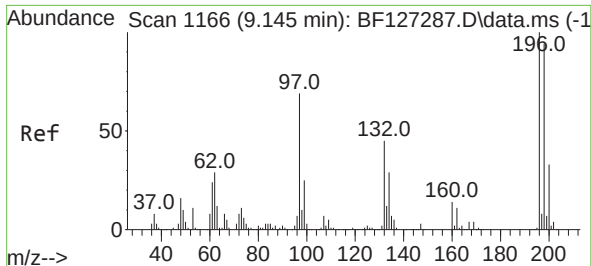


#42
2,4,6-Tribromophenol
Concen: 145.319 ng
RT: 10.704 min Scan# 1431
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44



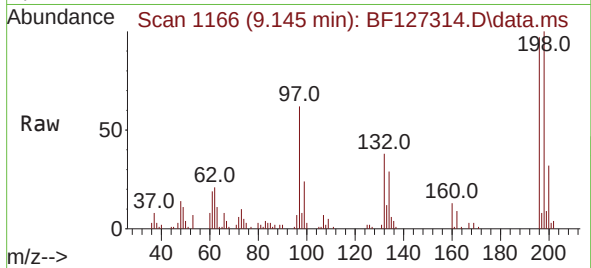
Tgt Ion:330 Resp: 378152
Ion Ratio Lower Upper
330 100
332 95.8 76.0 114.0
141 31.4 30.1 45.1





#43
2,4,6-Trichlorophenol
Concen: 3.553 ng
RT: 9.145 min Scan# 1166
Delta R.T. -0.000 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

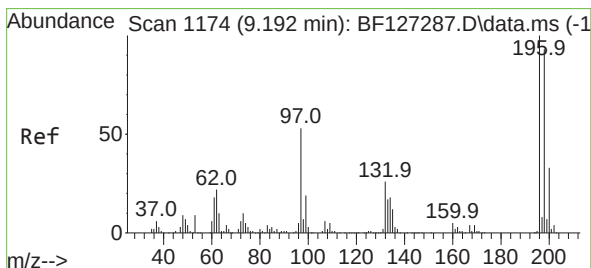
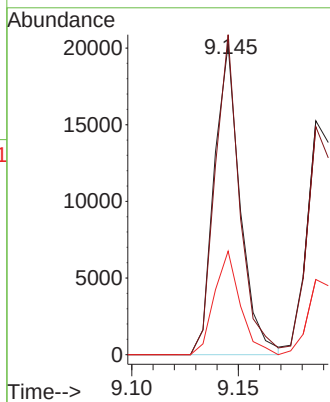
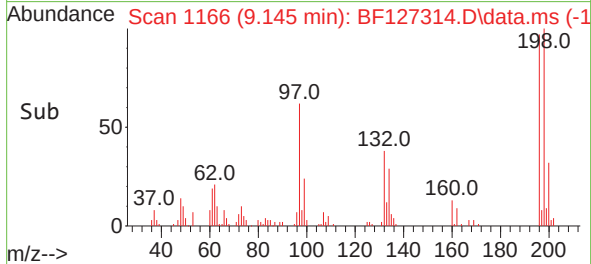
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2022



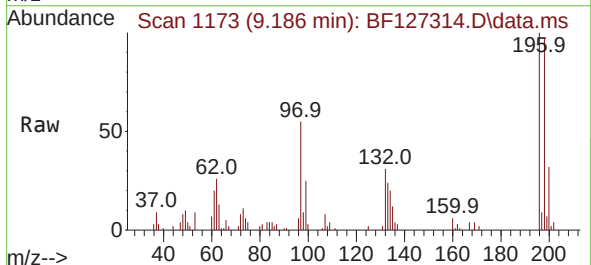
Tgt Ion:196 Resp: 17160
Ion Ratio Lower Upper
196 100
198 103.0 78.5 117.7
200 33.3 24.9 37.3

Manual Integrations
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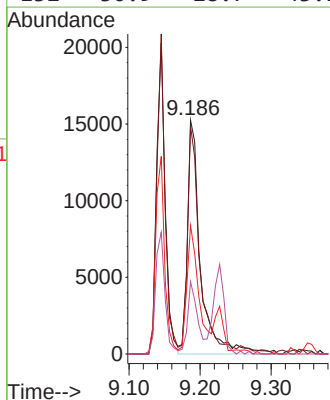
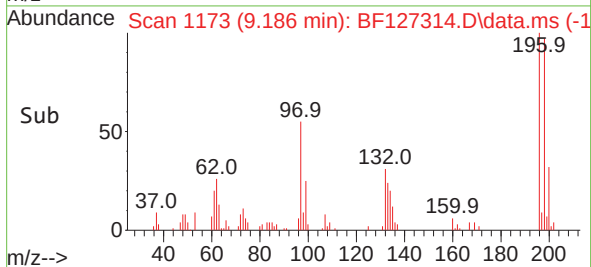
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022

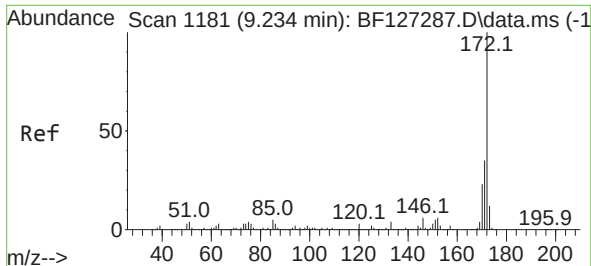


#44
2,4,5-Trichlorophenol
Concen: 3.863 ng
RT: 9.186 min Scan# 1173
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44



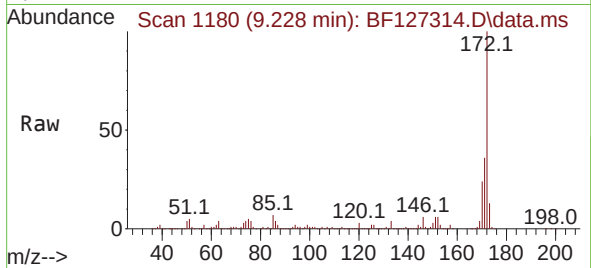
Tgt Ion:196 Resp: 19799
Ion Ratio Lower Upper
196 100
198 97.4 82.0 123.0
97 54.9 53.5 80.3
132 30.9 28.7 43.1





#45
2-Fluorobiphenyl
Concen: 77.449 ng
RT: 9.228 min Scan# 1180
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

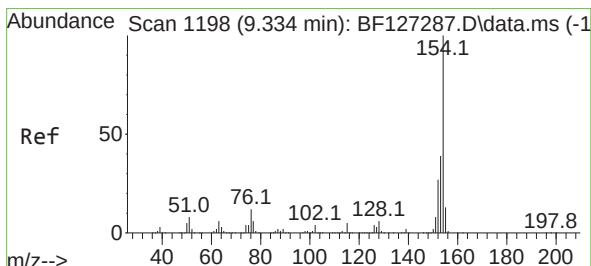
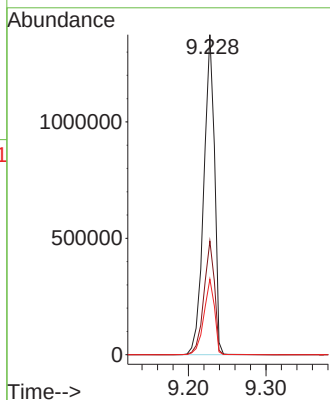
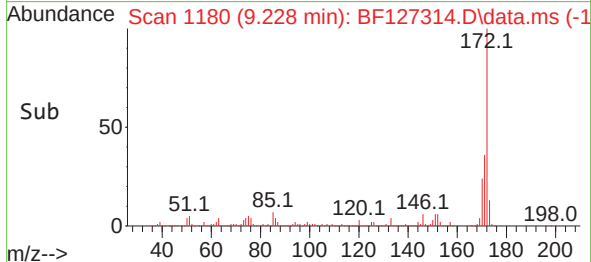
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:172 Resp: 1324224
Ion Ratio Lower Upper
172 100
171 35.5 28.3 42.5
170 23.6 19.0 28.6

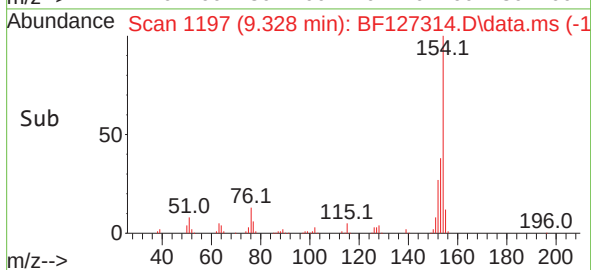
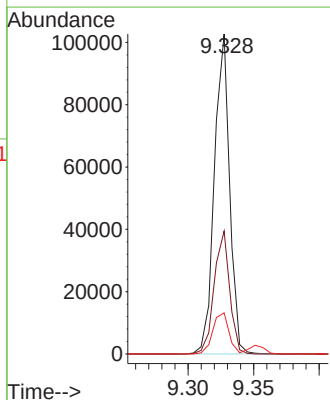
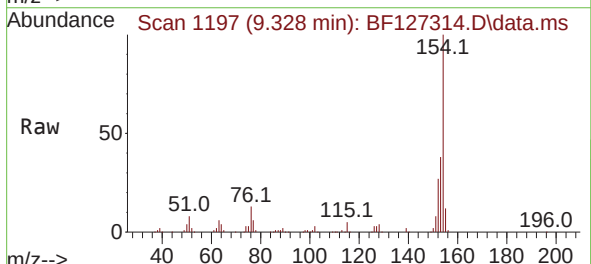
Manual Integrations
APPROVED

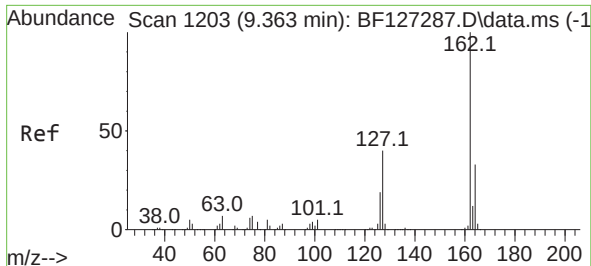
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022



#46
1,1'-Biphenyl
Concen: 4.536 ng
RT: 9.328 min Scan# 1197
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

Tgt Ion:154 Resp: 82762
Ion Ratio Lower Upper
154 100
153 38.4 19.0 59.0
76 12.9 0.0 34.5





#47

2-Chloronaphthalene

Concen: 4.329 ng

RT: 9.351 min Scan# 1201

Delta R.T. -0.012 min

Lab File: BF127314.D

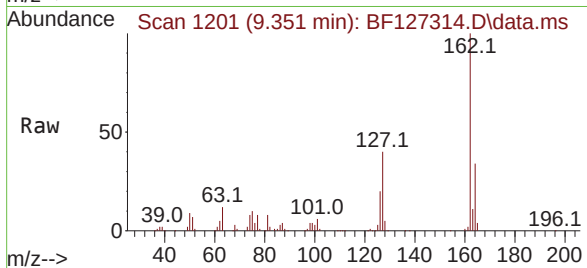
Acq: 14 Mar 2022 11:44

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2022



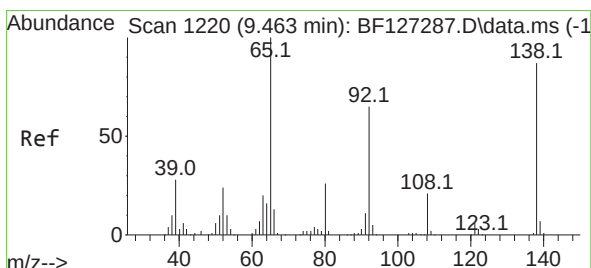
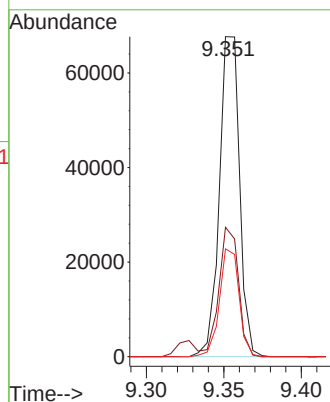
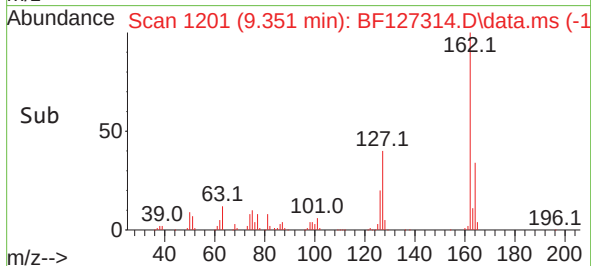
Tgt Ion:162	Resp:	6148	
Ion	Ratio	Lower	Upper
162	100		
127	40.4	33.5	50.3
164	33.7	26.2	39.4

Manual Integrations

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Reviewed By :Christian Giraldo 03/15/2022

Supervised By :Jagrut Upadhyay 03/15/2022



#48

2-Nitroaniline

Concen: 3.842 ng

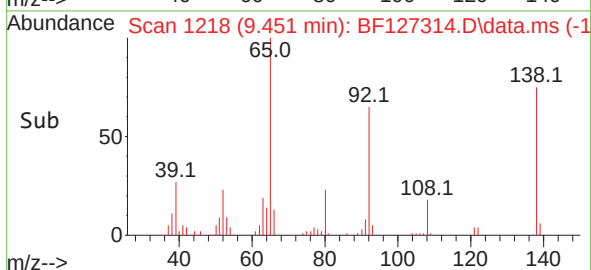
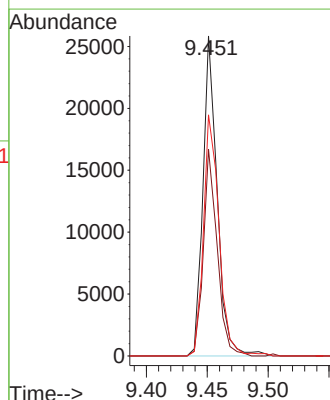
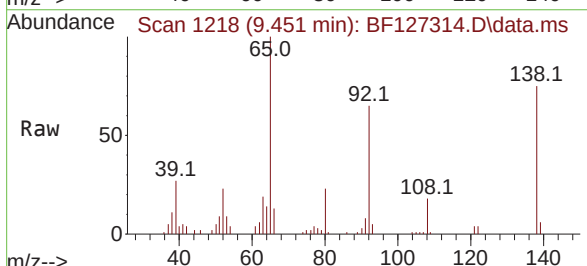
RT: 9.451 min Scan# 1218

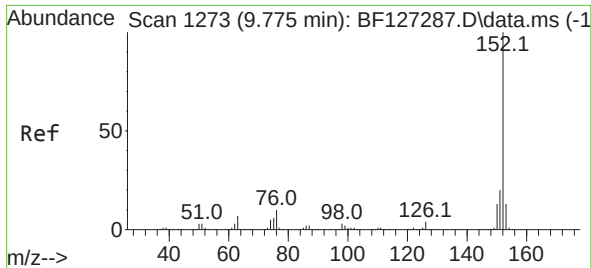
Delta R.T. -0.012 min

Lab File: BF127314.D

Acq: 14 Mar 2022 11:44

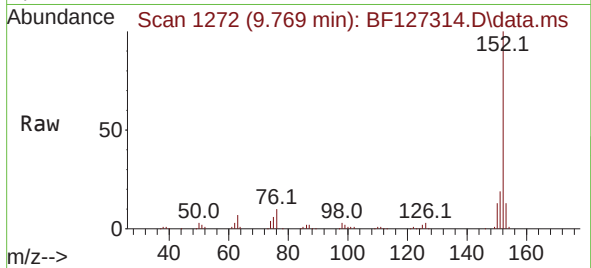
Tgt Ion: 65	Resp:	20992	
Ion	Ratio	Lower	Upper
65	100		
92	64.6	54.4	81.6
138	75.3	72.5	108.7





#49
Acenaphthylene
Concen: 4.589 ng
RT: 9.769 min Scan# 1272
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

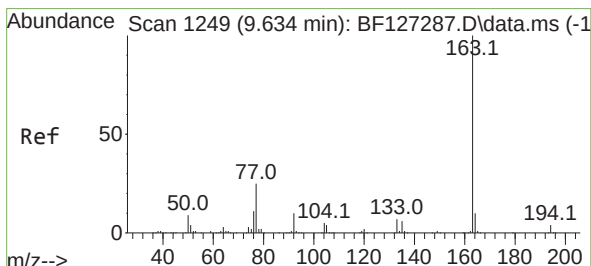
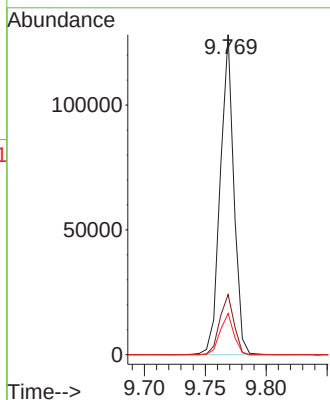
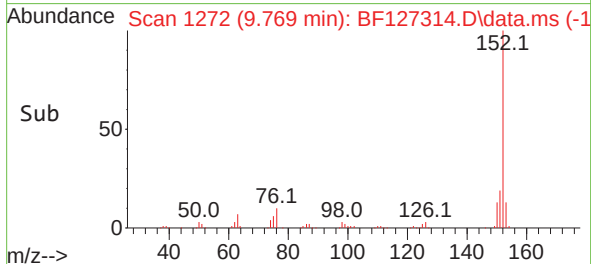
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT1-2022



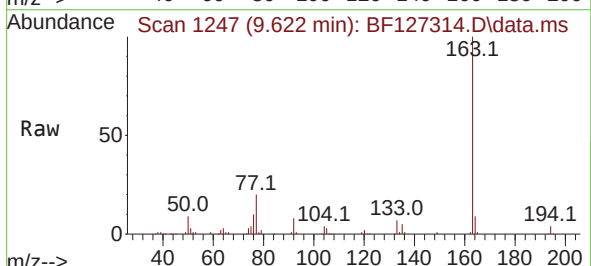
Tgt Ion:152 Resp: 9974
Ion Ratio Lower Upper
152 100
151 18.8 15.7 23.5
153 12.9 11.4 17.0

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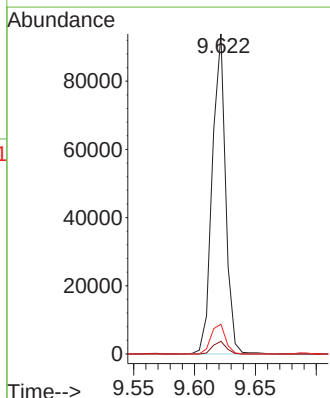
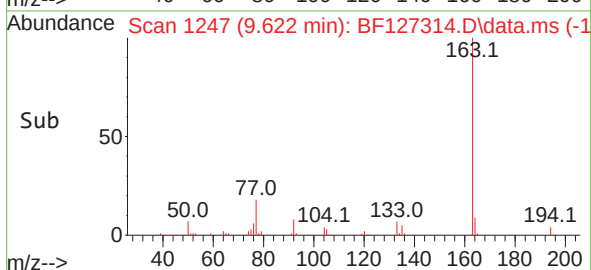
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022

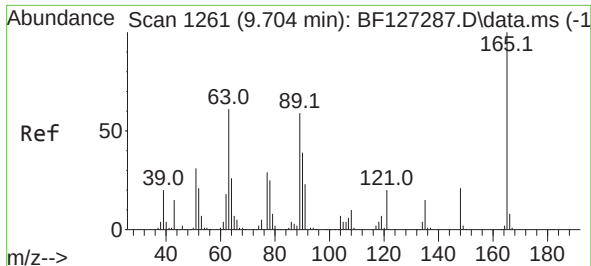


#50
Dimethylphthalate
Concen: 4.115 ng
RT: 9.622 min Scan# 1247
Delta R.T. -0.012 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44



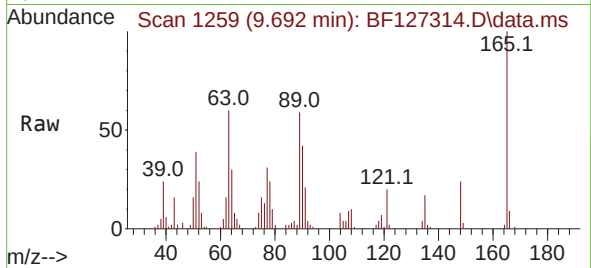
Tgt Ion:163 Resp: 71270
Ion Ratio Lower Upper
163 100
194 4.0 2.6 3.8#
164 9.3 7.8 11.8





#51
2,6-Dinitrotoluene
Concen: 4.207 ng
RT: 9.692 min Scan# 1301
Delta R.T. -0.012 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

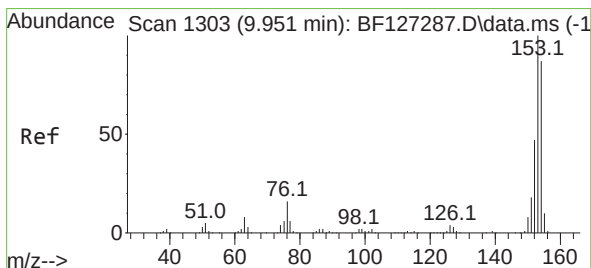
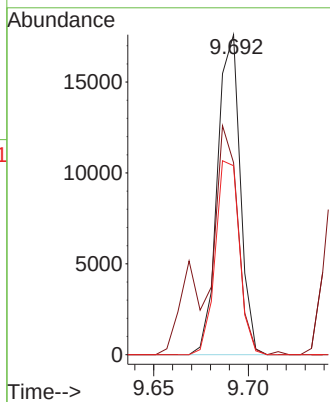
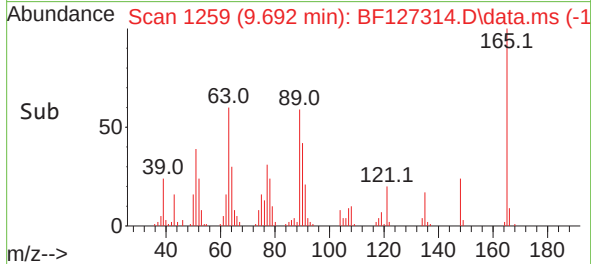
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2022



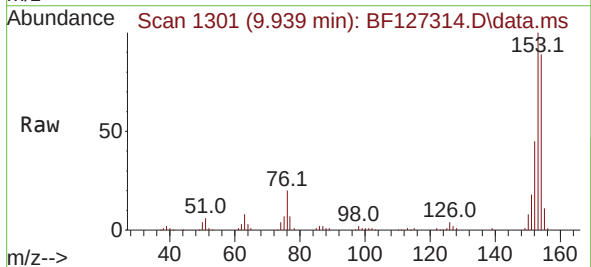
Tgt Ion:165 Resp: 1474
Ion Ratio Lower Upper
165 100
63 60.0 48.4 72.6
89 59.1 50.5 75.7

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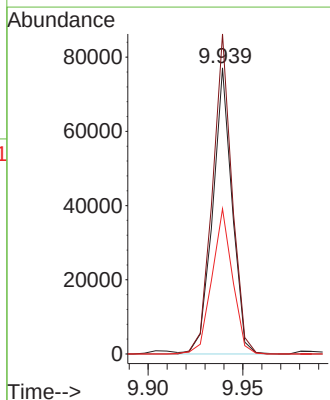
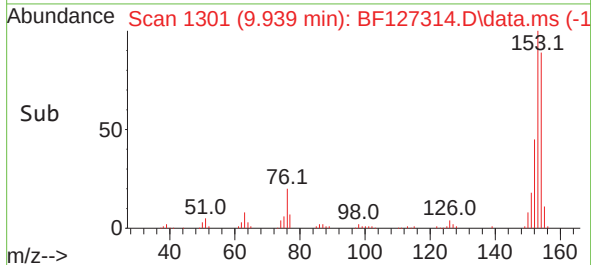
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022

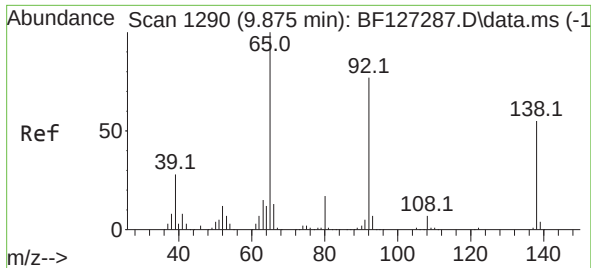


#52
Acenaphthene
Concen: 4.247 ng
RT: 9.939 min Scan# 1301
Delta R.T. -0.012 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44



Tgt Ion:154 Resp: 55023
Ion Ratio Lower Upper
154 100
153 111.9 87.8 131.6
152 50.7 39.4 59.2





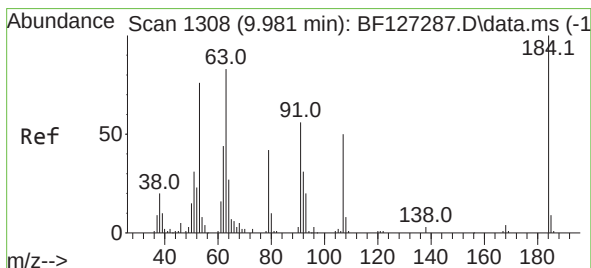
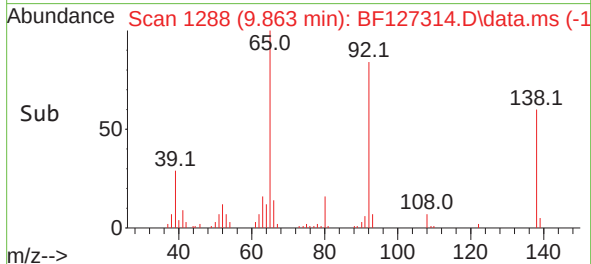
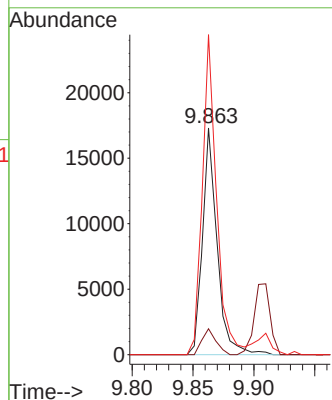
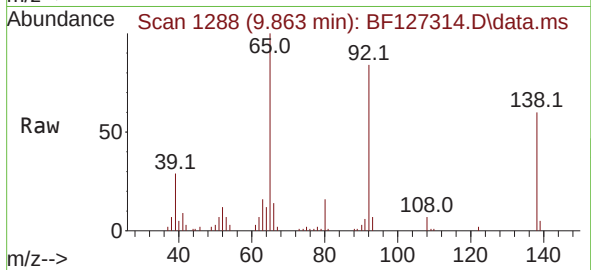
#53
3-Nitroaniline
Concen: 3.801 ng
RT: 9.863 min Scan# 1310
Delta R.T. -0.012 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion:138 Resp: 1451
Ion Ratio Lower Upper
138 100
108 11.5 8.6 13.0
92 141.1 105.0 157.6

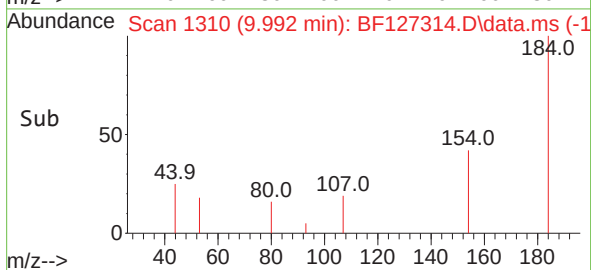
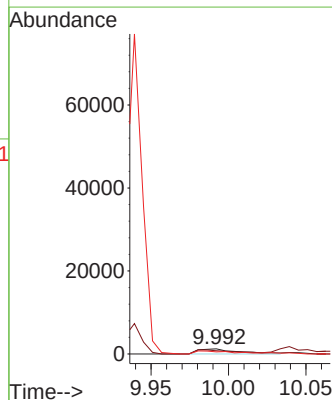
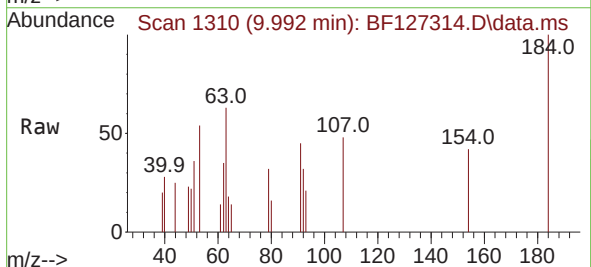
Manual Integrations
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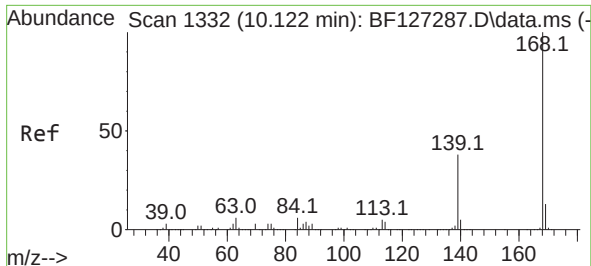
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022



#54
2,4-Dinitrophenol
Concen: 1.291 ng
RT: 9.992 min Scan# 1310
Delta R.T. 0.011 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

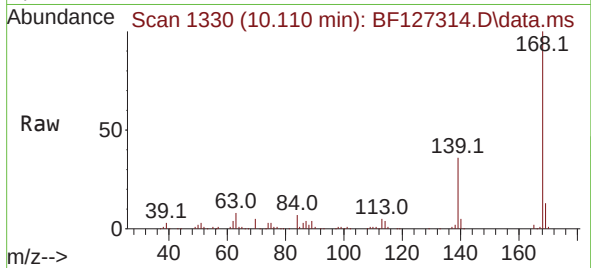
Tgt Ion:184 Resp: 2229
Ion Ratio Lower Upper
184 100
63 62.9 70.4 105.6#
154 42.4 49.7 74.5#





#55
Dibenzofuran
Concen: 4.380 ng
RT: 10.110 min Scan# 1330
Delta R.T. -0.012 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

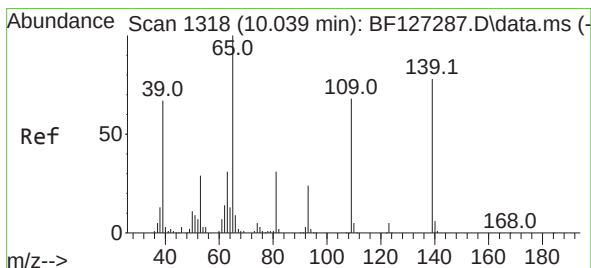
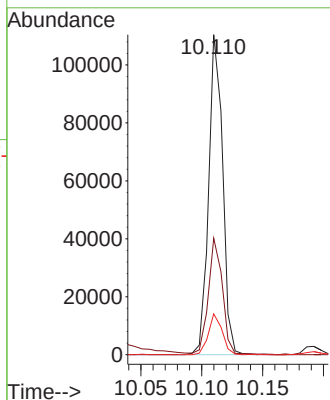
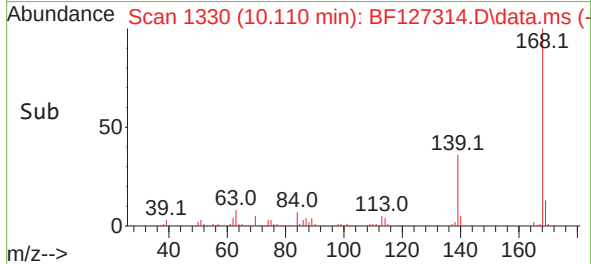
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:168 Resp: 8816
Ion Ratio Lower Upper
168 100
139 36.4 30.6 46.0
169 12.7 10.0 15.0

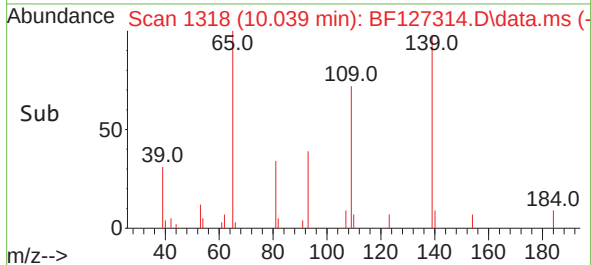
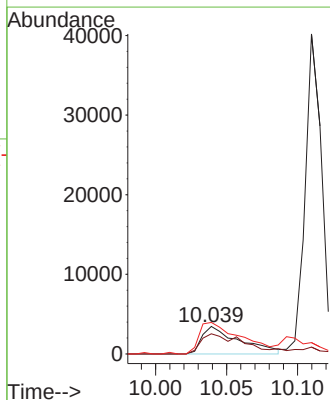
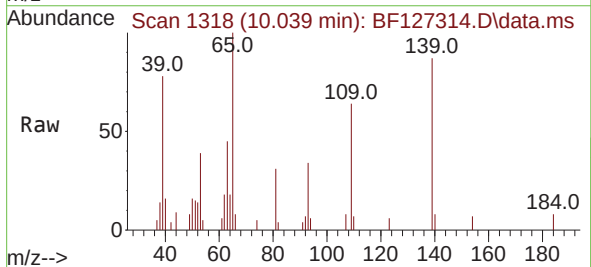
Manual Integrations
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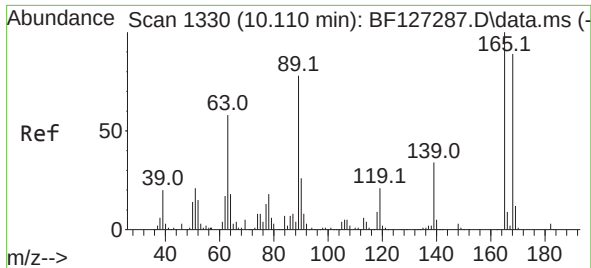
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022



#56
4-Nitrophenol
Concen: 2.760 ng
RT: 10.039 min Scan# 1318
Delta R.T. -0.000 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

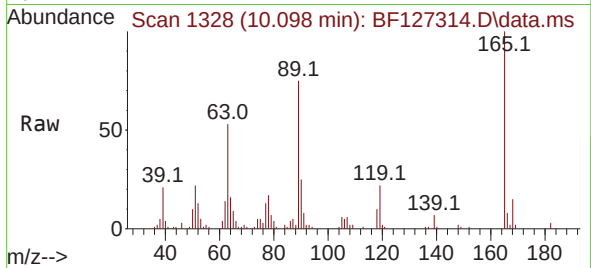
Tgt Ion:139 Resp: 6405
Ion Ratio Lower Upper
139 100
109 73.3 44.1 84.1
65 114.7 85.5 125.5





#57
2,4-Dinitrotoluene
Concen: 4.045 ng
RT: 10.098 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

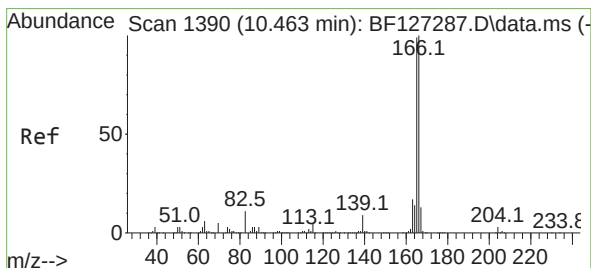
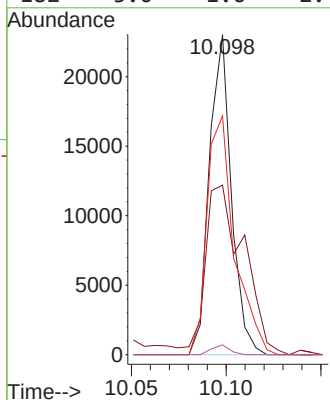
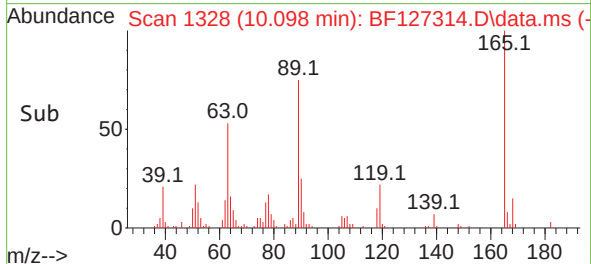
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:165 Resp: 1864
Ion Ratio Lower Upper
165 100
63 53.0 43.0 64.6
89 74.7 71.0 106.4
182 3.0 1.6 2.4#

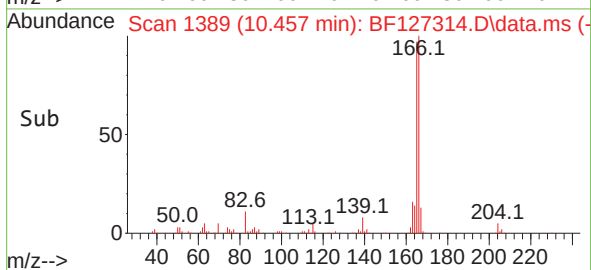
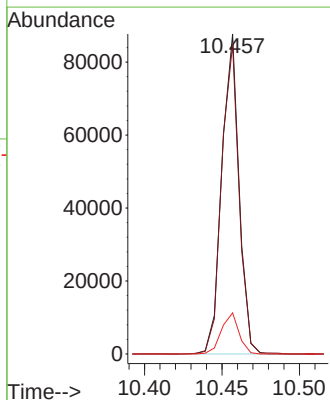
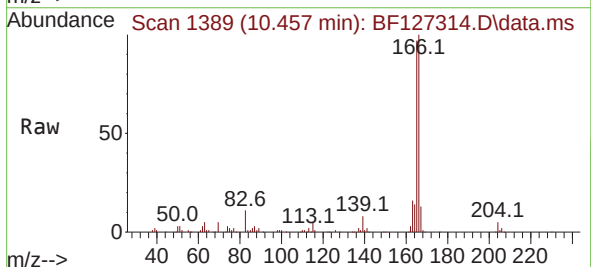
Manual Integrations
APPROVED

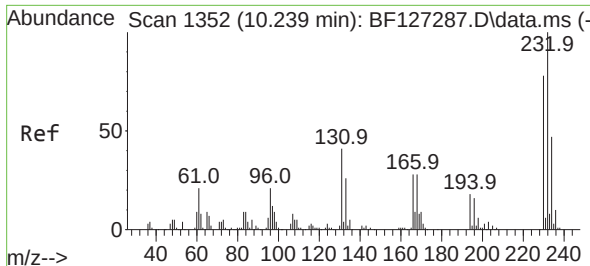
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022



#58
Fluorene
Concen: 4.347 ng
RT: 10.457 min Scan# 1389
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

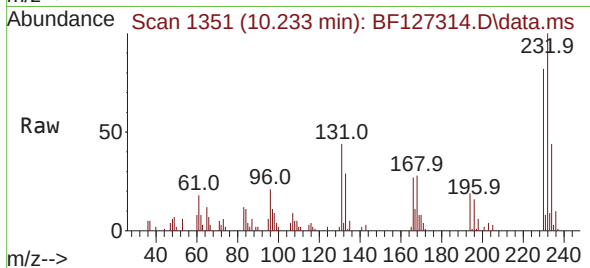
Tgt Ion:166 Resp: 67844
Ion Ratio Lower Upper
166 100
165 96.8 77.7 116.5
167 12.8 10.7 16.1





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.464 ng
RT: 10.233 min Scan# 1351
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

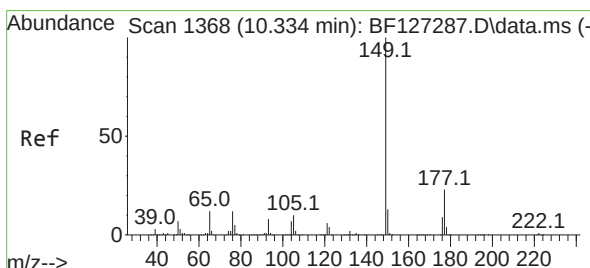
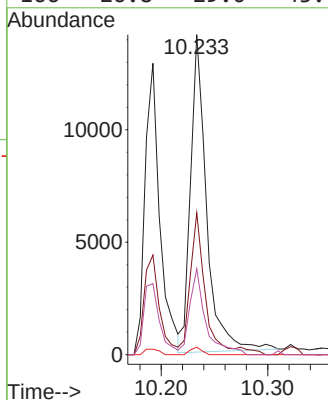
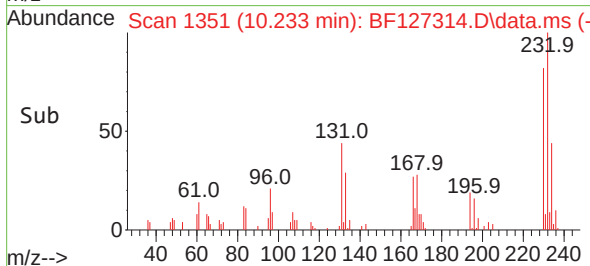
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:232 Resp: 14754
Ion Ratio Lower Upper
232 100
131 42.9 50.0 75.0
130 1.7 2.2 3.2
166 26.8 29.0 43.4

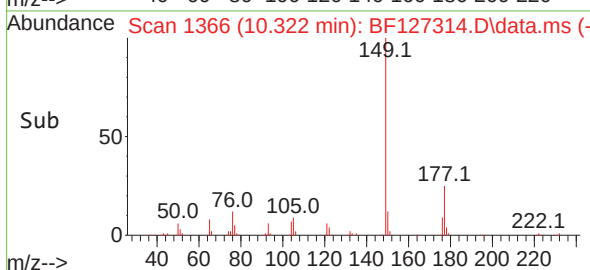
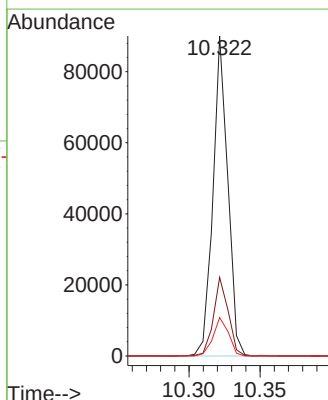
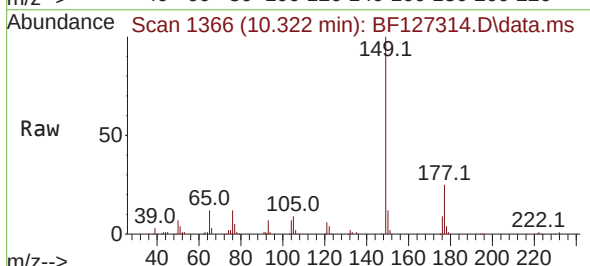
Manual Integrations
APPROVED

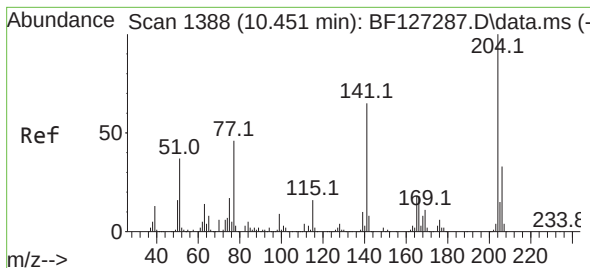
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022



#60
Diethylphthalate
Concen: 4.130 ng
RT: 10.322 min Scan# 1366
Delta R.T. -0.012 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

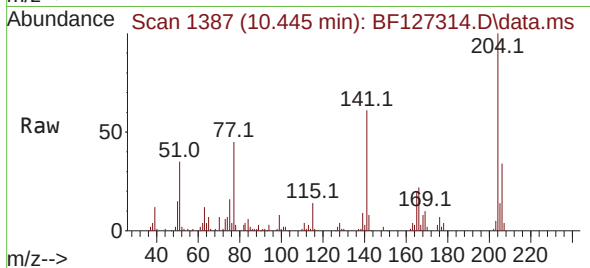
Tgt Ion:149 Resp: 65249
Ion Ratio Lower Upper
149 100
177 24.6 16.7 25.1
150 12.0 9.8 14.8





#61
4-Chlorophenyl-phenylether
Concen: 4.140 ng
RT: 10.445 min Scan# 1387
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

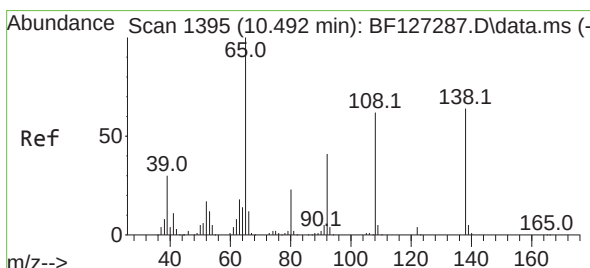
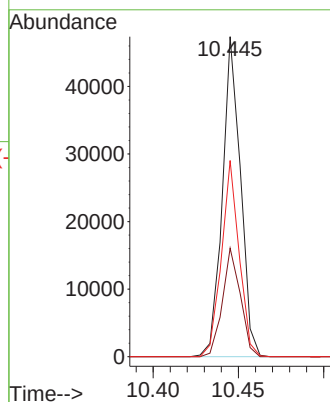
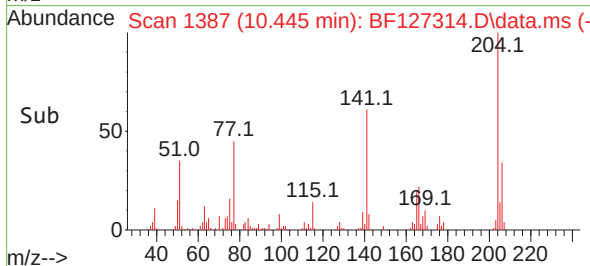
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:204 Resp: 35018
Ion Ratio Lower Upper
204 100
206 33.9 26.3 39.5
141 61.3 59.0 88.6

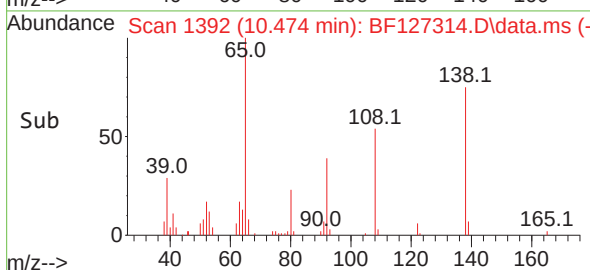
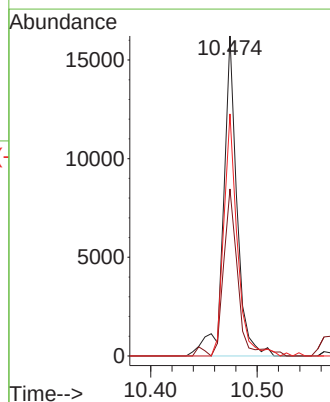
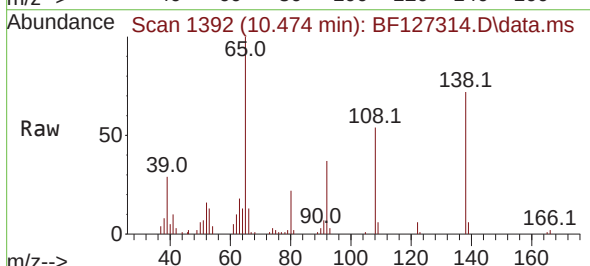
Manual Integrations
APPROVED

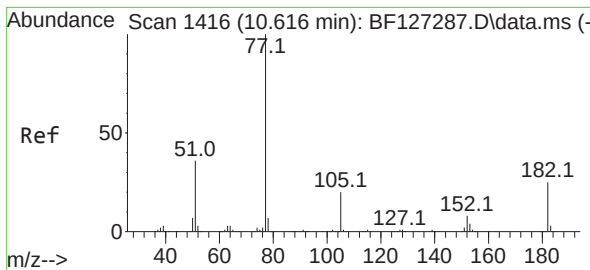
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022



#62
4-Nitroaniline
Concen: 3.750 ng
RT: 10.474 min Scan# 1392
Delta R.T. -0.018 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

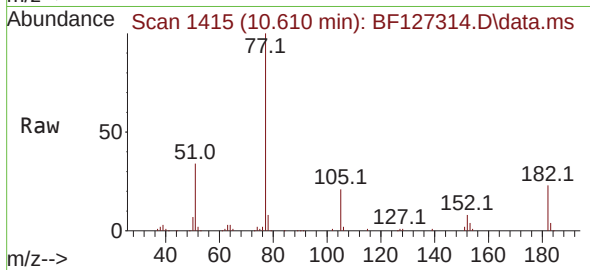
Tgt Ion:138 Resp: 14269
Ion Ratio Lower Upper
138 100
92 52.2 36.2 76.2
108 75.7 46.7 86.7





#63
Azobenzene
Concen: 4.094 ng
RT: 10.610 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

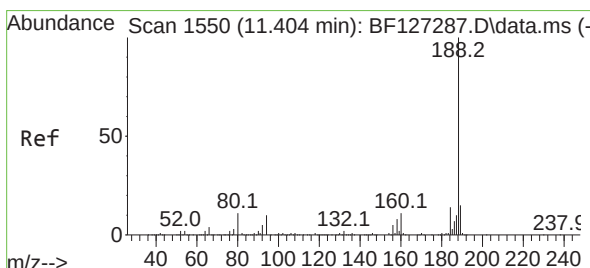
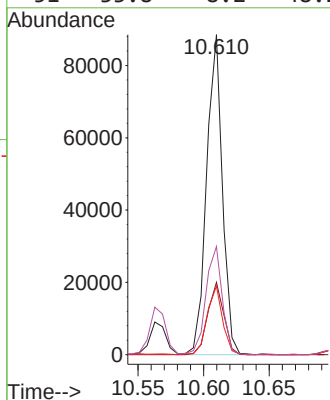
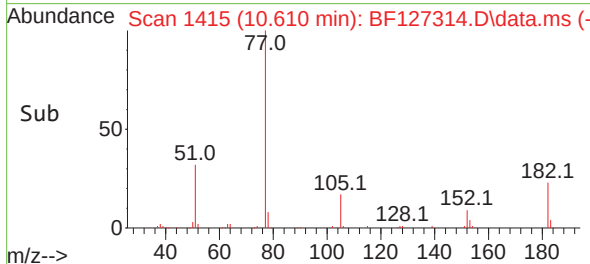
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:	77	Resp:	74350
Ion Ratio	100	Lower	Upper
77	100		
182	22.6	0.0	39.0
105	21.4	3.2	43.2
51	33.8	8.2	48.2

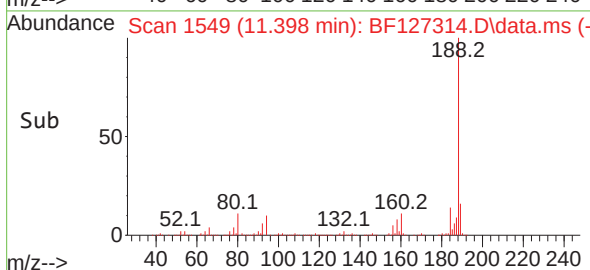
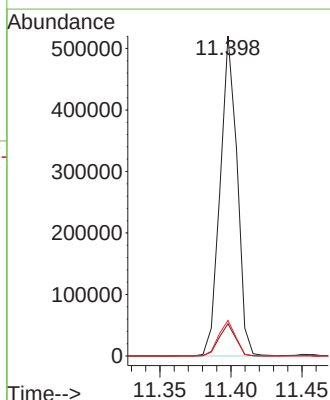
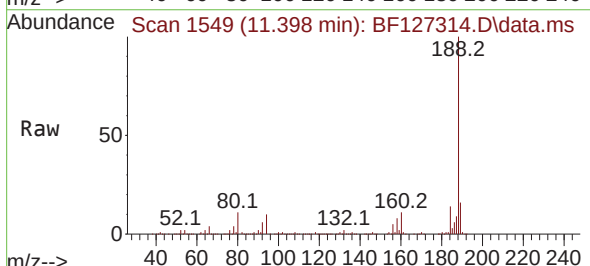
Manual Integrations
APPROVED

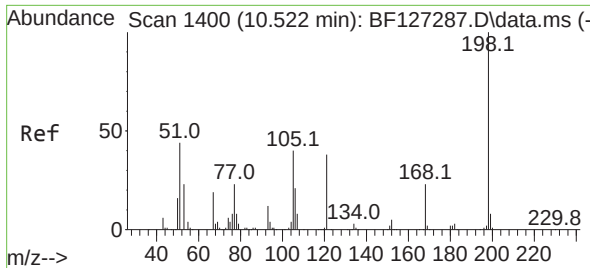
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1549
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

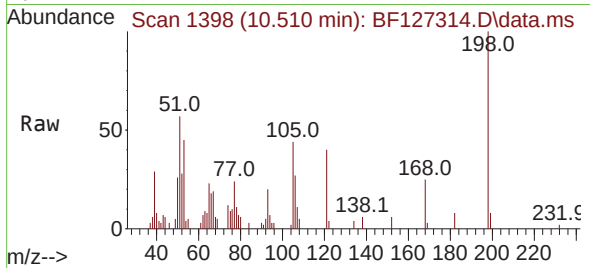
Tgt Ion:	188	Resp:	431293
Ion Ratio	100	Lower	Upper
188	100		
94	10.0	10.1	15.1#
80	11.1	11.8	17.6#





#65
4,6-Dinitro-2-methylphenol
Concen: 2.477 ng
RT: 10.510 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

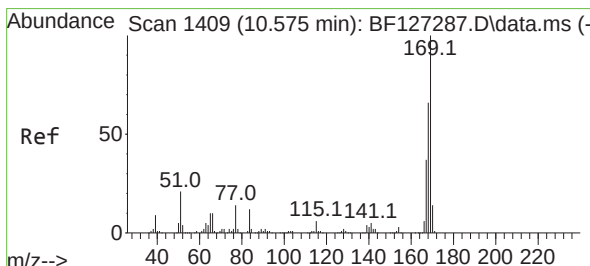
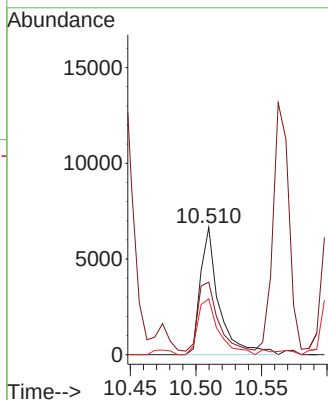
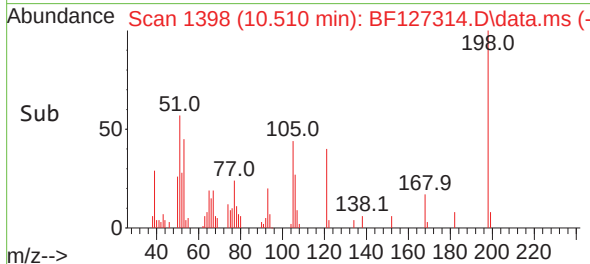
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2022



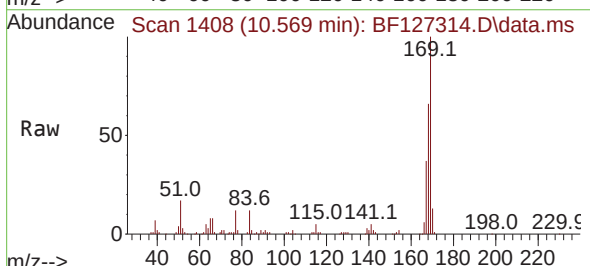
Tgt Ion:198 Resp: 658
Ion Ratio Lower Upper
198 100
51 57.0 32.0 72.0
105 43.9 32.7 72.7

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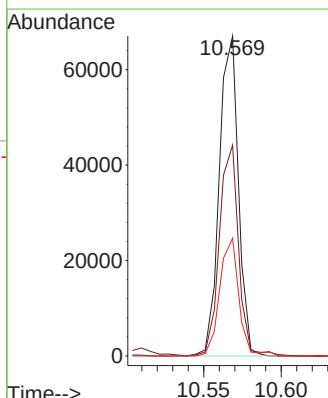
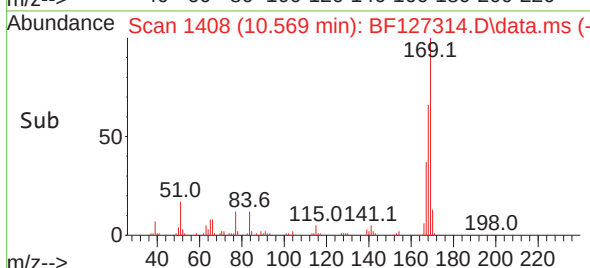
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022

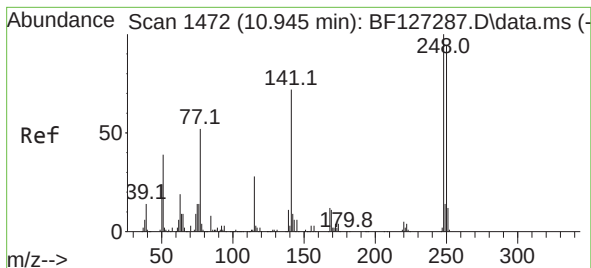


#66
n-Nitrosodiphenylamine
Concen: 4.294 ng
RT: 10.569 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44



Tgt Ion:169 Resp: 57514
Ion Ratio Lower Upper
169 100
168 65.9 53.4 80.0
167 36.8 29.4 44.0





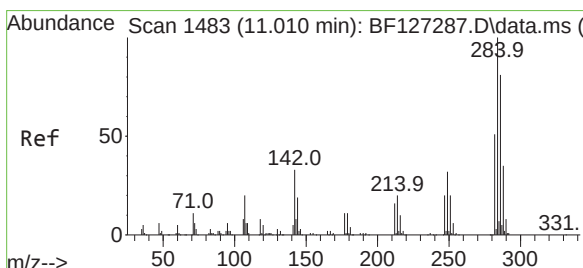
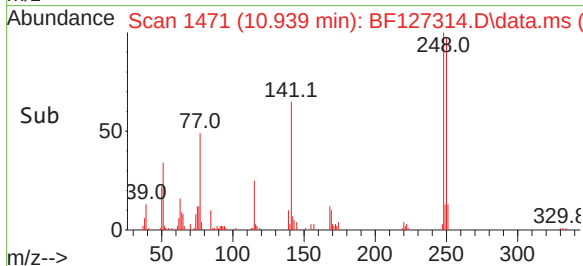
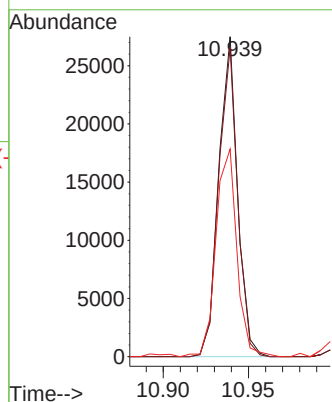
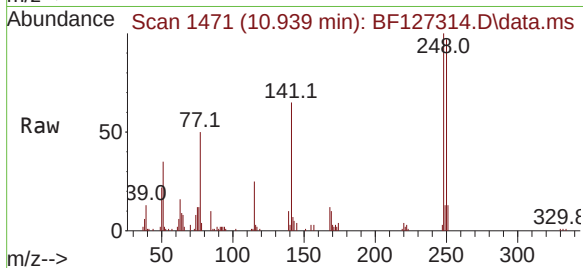
#67
4-Bromophenyl-phenylether
Concen: 4.080 ng
RT: 10.939 min Scan# 1471
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2022

Tgt Ion:248 Resp: 2121
Ion Ratio Lower Upper
248 100
250 96.6 76.2 114.4
141 64.9 66.2 99.4

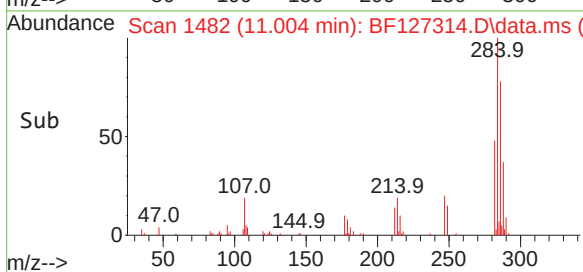
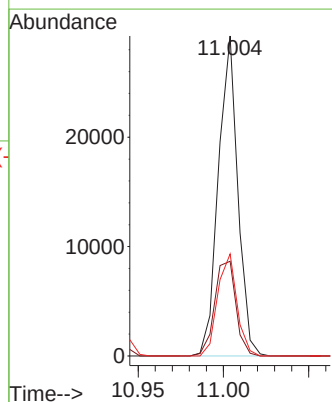
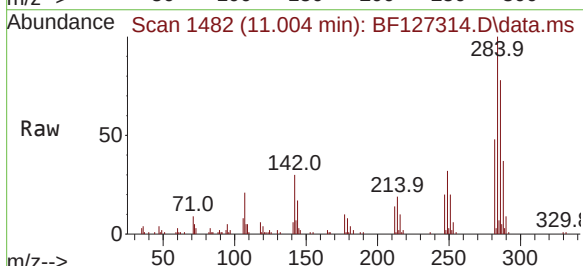
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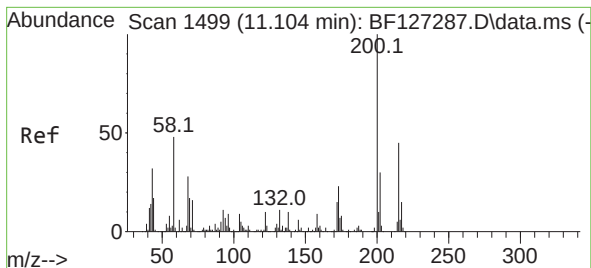
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022



#68
Hexachlorobenzene
Concen: 4.090 ng
RT: 11.004 min Scan# 1482
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

Tgt Ion:284 Resp: 23175
Ion Ratio Lower Upper
284 100
142 29.6 30.7 46.1#
249 31.9 21.1 31.7#





#69

Atrazine

Concen: 4.379 ng

RT: 11.086 min Scan# 1499

Delta R.T. -0.018 min

Lab File: BF127314.D

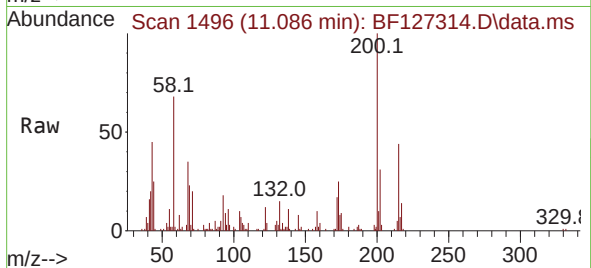
Acq: 14 Mar 2022 11:44

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2022



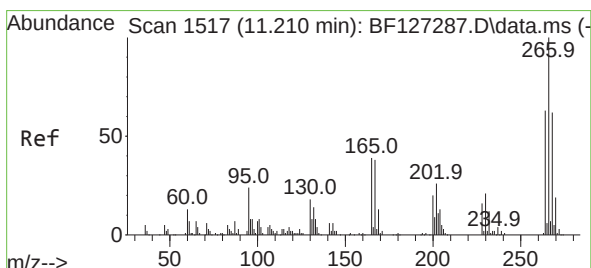
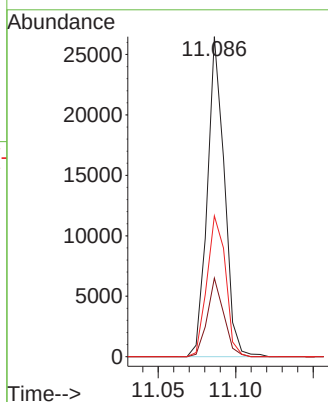
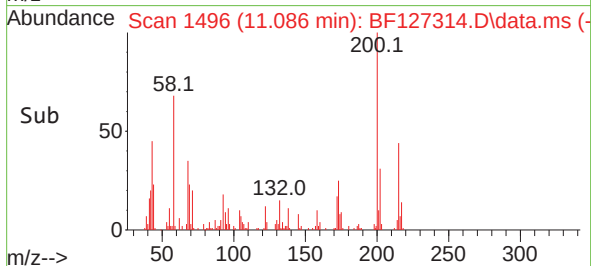
Tgt Ion:	200	Resp:	2024
Ion Ratio	Lower	Upper	
200	100		
173	24.6	9.2	49.2
215	44.0	23.2	63.2

Manual Integrations

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Reviewed By :Christian Giraldo 03/15/2022

Supervised By :Jagrut Upadhyay 03/15/2022



#70

Pentachlorophenol

Concen: 2.219 ng m

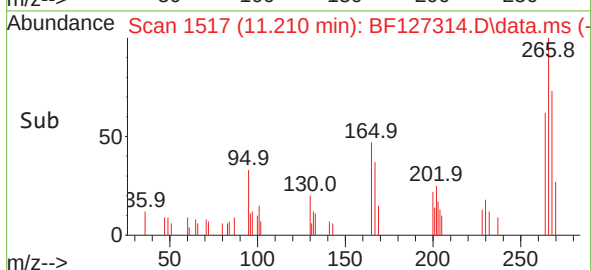
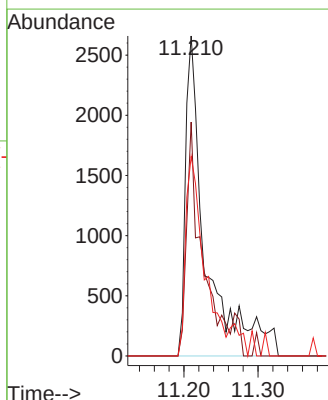
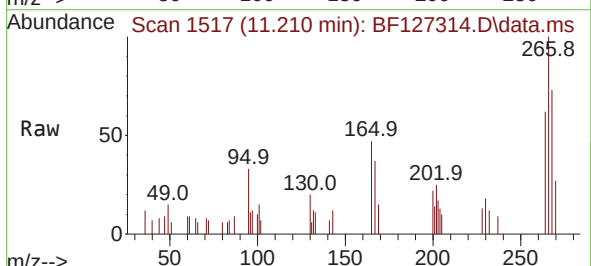
RT: 11.210 min Scan# 1517

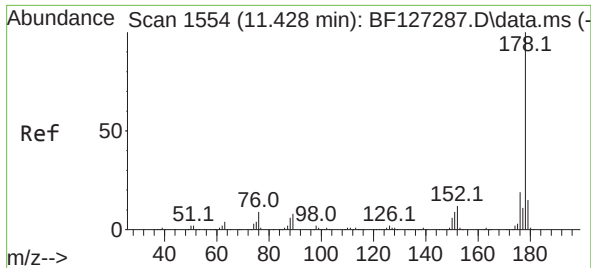
Delta R.T. -0.000 min

Lab File: BF127314.D

Acq: 14 Mar 2022 11:44

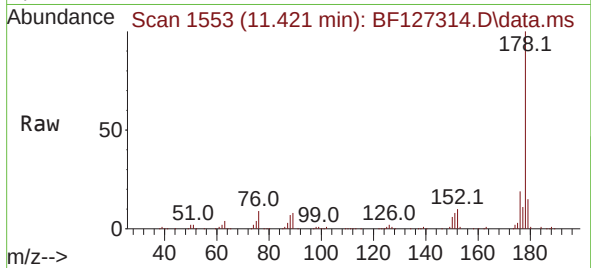
Tgt Ion:	266	Resp:	5077
Ion Ratio	Lower	Upper	
266	100		
268	73.1	52.3	78.5
264	62.4	50.4	75.6





#71
Phenanthrene
Concen: 4.256 ng
RT: 11.421 min Scan# 11553
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

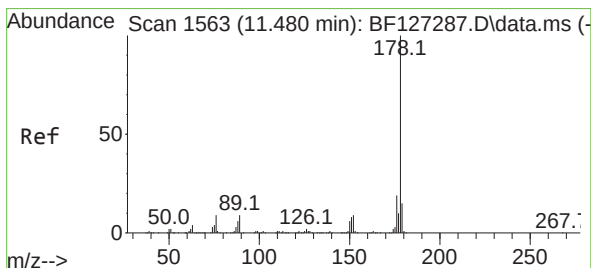
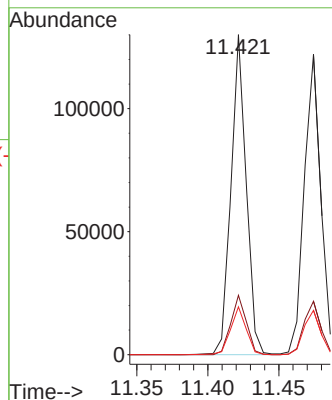
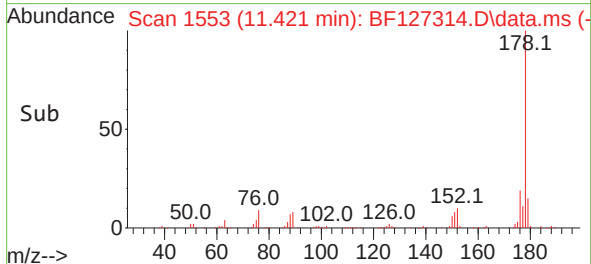
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2022



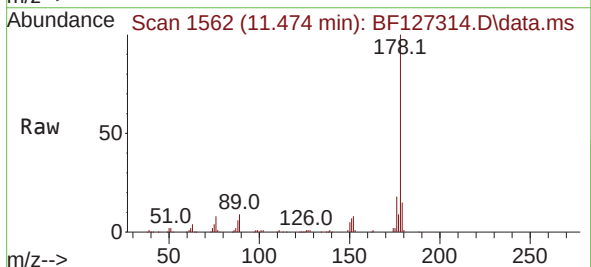
Tgt Ion:178 Resp: 96894
Ion Ratio Lower Upper
178 100
176 18.6 15.7 23.5
179 15.0 12.3 18.5

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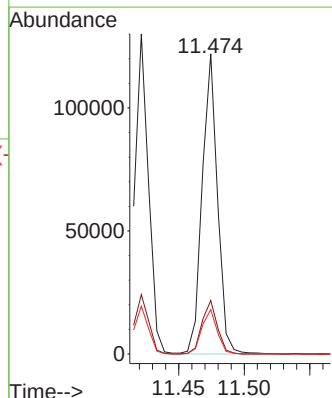
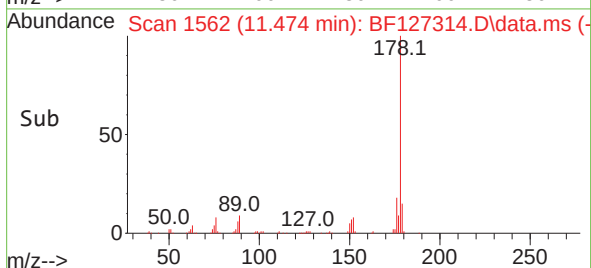
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022

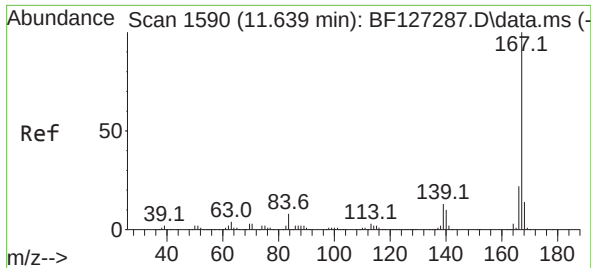


#72
Anthracene
Concen: 4.418 ng
RT: 11.474 min Scan# 1562
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44



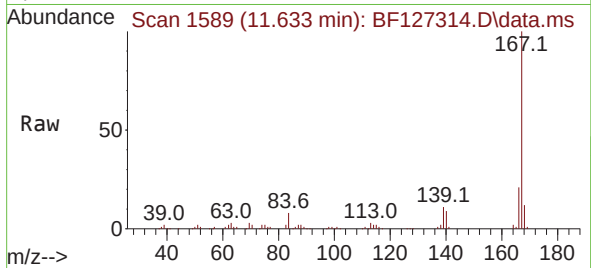
Tgt Ion:178 Resp: 99608
Ion Ratio Lower Upper
178 100
176 17.8 15.0 22.6
179 14.8 12.5 18.7





#73
 Carbazole
 Concen: 4.095 ng
 RT: 11.633 min Scan# 1589
 Delta R.T. -0.006 min
 Lab File: BF127314.D
 Acq: 14 Mar 2022 11:44

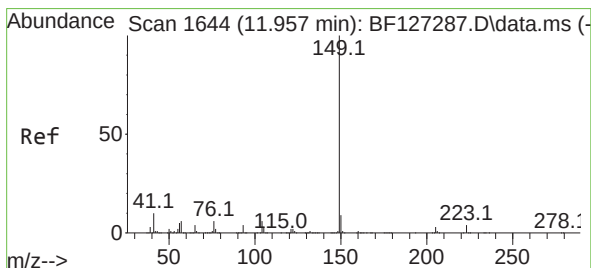
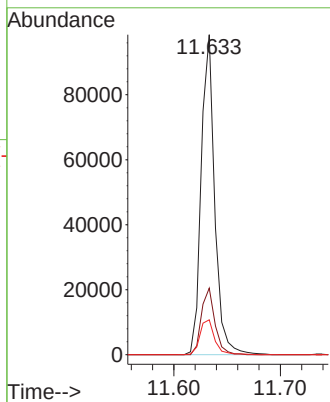
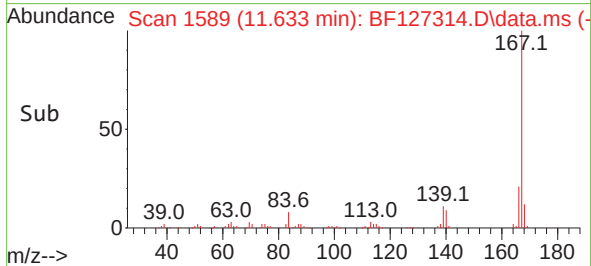
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2022



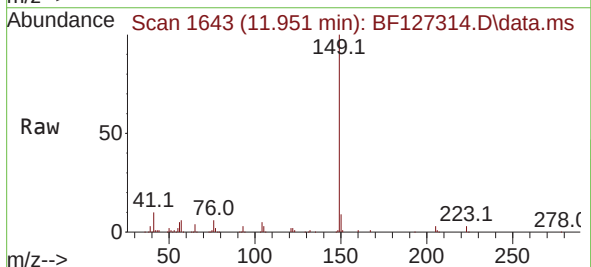
Tgt Ion:167 Resp: 86940
 Ion Ratio Lower Upper
 167 100
 166 20.8 16.9 25.3
 139 10.9 11.3 16.9

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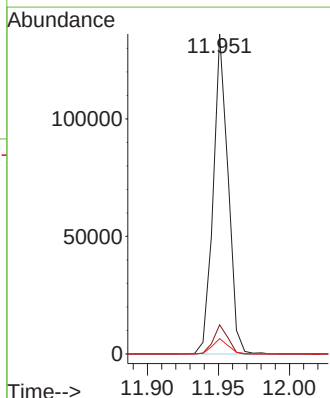
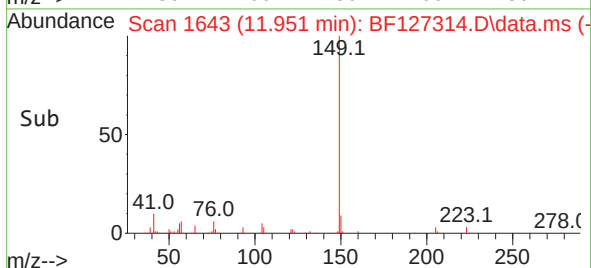
Reviewed By :Christian Giraldo 03/15/2022
 Supervised By :Jagrut Upadhyay 03/15/2022

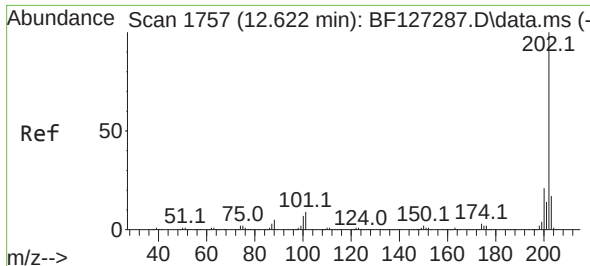


#74
 Di-n-butylphthalate
 Concen: 3.969 ng
 RT: 11.951 min Scan# 1643
 Delta R.T. -0.006 min
 Lab File: BF127314.D
 Acq: 14 Mar 2022 11:44



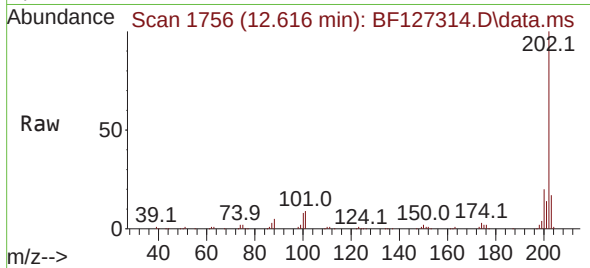
Tgt Ion:149 Resp: 98567
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.2 10.8
 104 4.8 4.2 6.2





#75
Fluoranthene
Concen: 4.187 ng
RT: 12.616 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

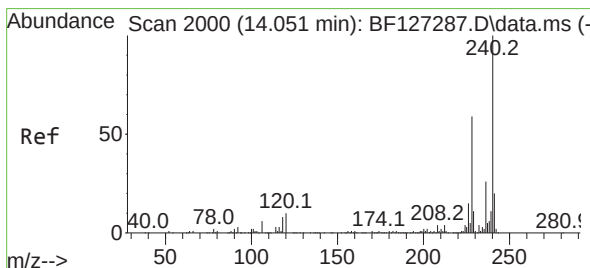
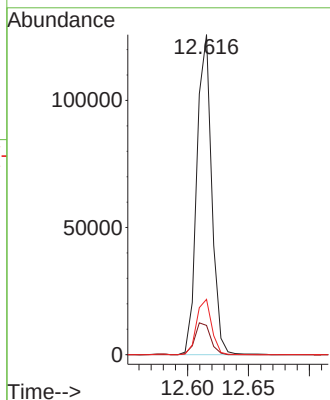
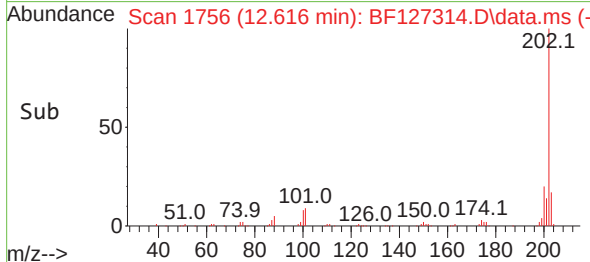
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:202 Resp: 106598
Ion Ratio Lower Upper
202 100
101 9.2 0.0 35.7
203 17.3 0.0 37.1

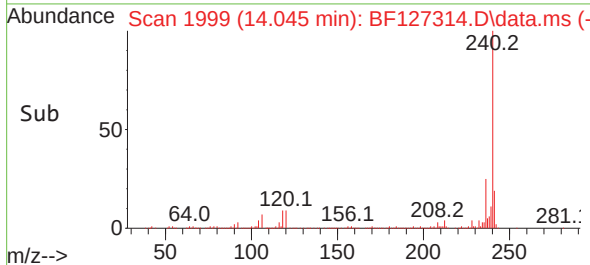
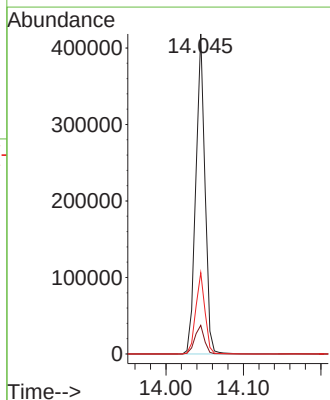
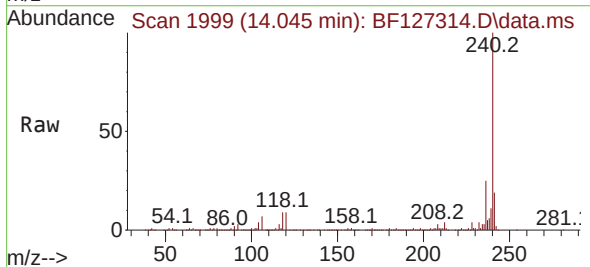
Manual Integrations
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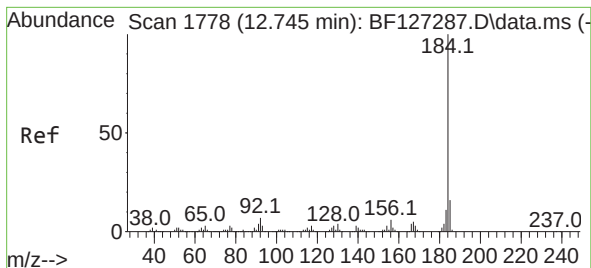
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.045 min Scan# 1999
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

Tgt Ion:240 Resp: 343271
Ion Ratio Lower Upper
240 100
120 8.9 14.4 21.6#
236 25.4 20.5 30.7





#77

Benzidine

Concen: 4.747 ng

RT: 12.739 min Scan# 1777

Delta R.T. -0.006 min

Lab File: BF127314.D

Acq: 14 Mar 2022 11:44

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2022

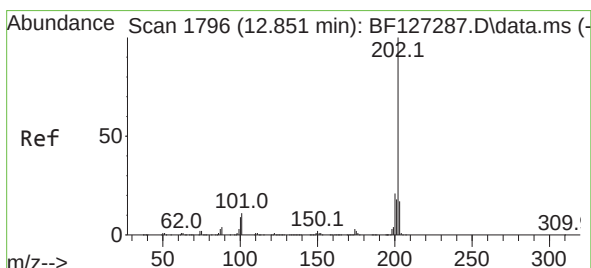
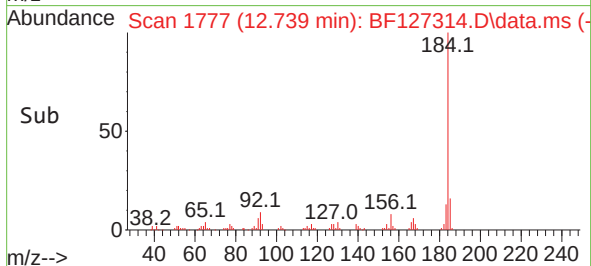
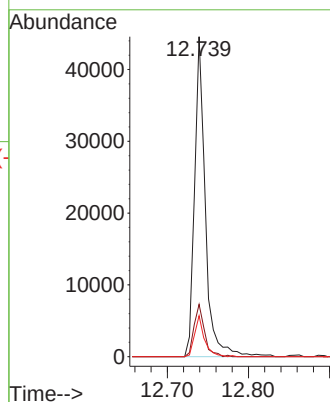
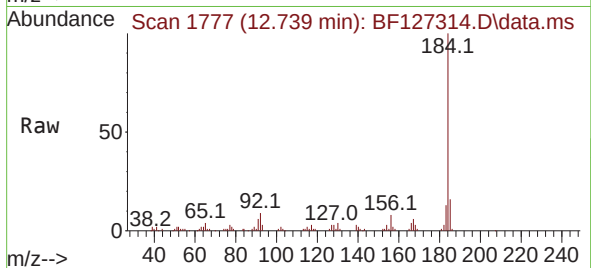
Tgt Ion:184 Resp: 41439
 Ion Ratio Lower Upper
 184 100
 185 16.4 11.8 17.8
 183 12.8 8.2 12.2

Manual Integrations

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Supervised By :Jagrut Upadhyay 03/15/2022



#78

Pyrene

Concen: 4.051 ng

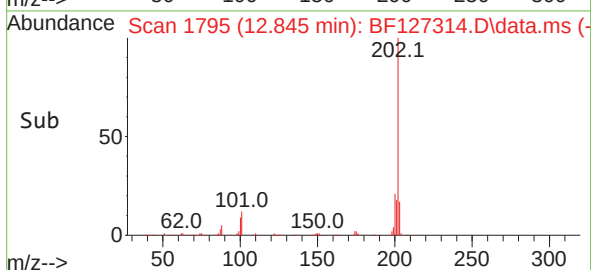
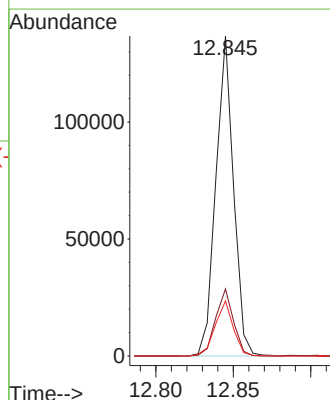
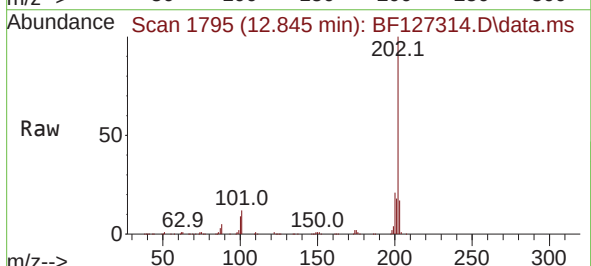
RT: 12.845 min Scan# 1795

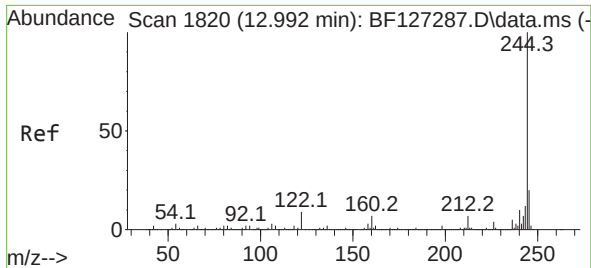
Delta R.T. -0.006 min

Lab File: BF127314.D

Acq: 14 Mar 2022 11:44

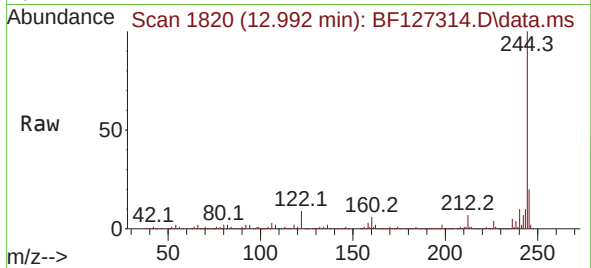
Tgt Ion:202 Resp: 108306
 Ion Ratio Lower Upper
 202 100
 200 20.9 16.6 24.8
 203 17.2 13.8 20.8





#79
 Terphenyl-d14
 Concen: 75.732 ng
 RT: 12.992 min Scan# 1820
 Delta R.T. -0.000 min
 Lab File: BF127314.D
 Acq: 14 Mar 2022 11:44

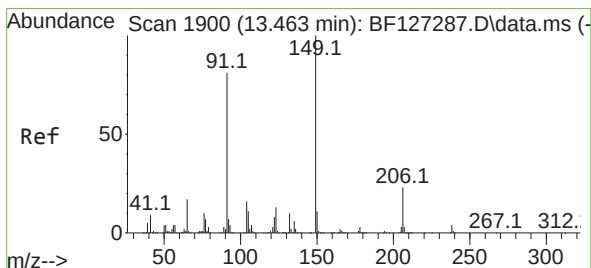
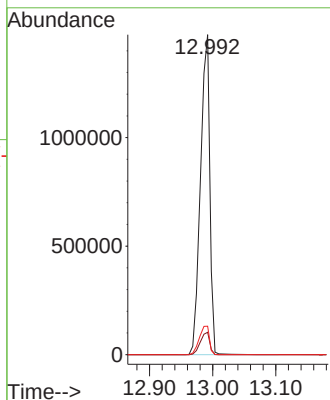
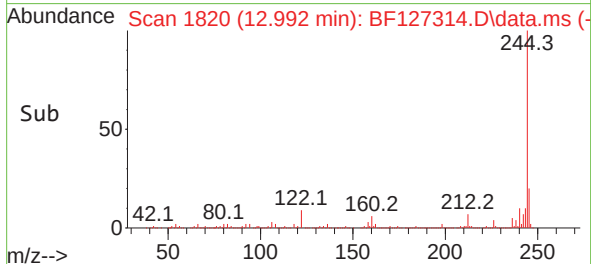
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT1-2022



Tgt Ion:244 Resp: 1509718
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.0 7.4
 122 8.9 13.3 19.9

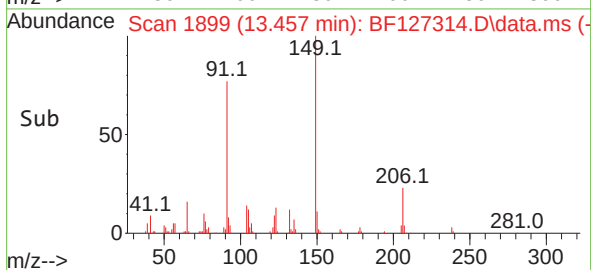
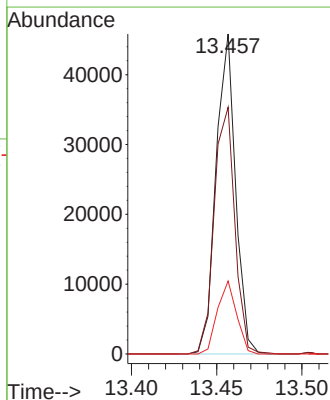
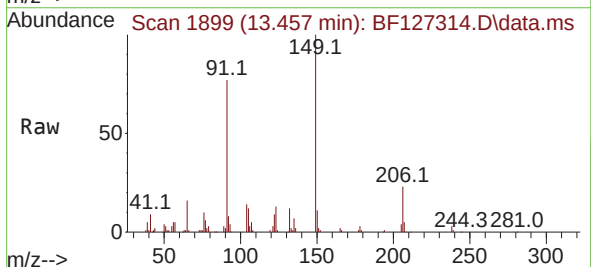
Manual Integrations
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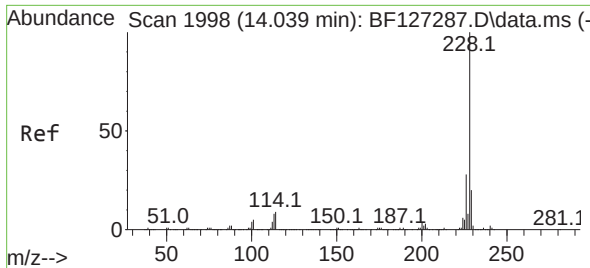
Reviewed By :Christian Giraldo 03/15/2022
 Supervised By :Jagrut Upadhyay 03/15/2022



#80
 Butylbenzylphthalate
 Concen: 3.549 ng
 RT: 13.457 min Scan# 1899
 Delta R.T. -0.006 min
 Lab File: BF127314.D
 Acq: 14 Mar 2022 11:44

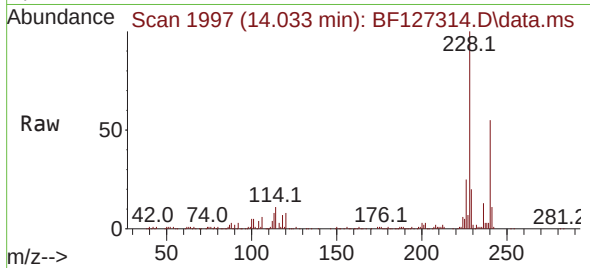
Tgt Ion:149 Resp: 36515
 Ion Ratio Lower Upper
 149 100
 91 77.1 70.5 105.7
 206 22.8 12.6 19.0





#81
Benzo(a)anthracene
Concen: 3.964 ng
RT: 14.033 min Scan# 1998
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

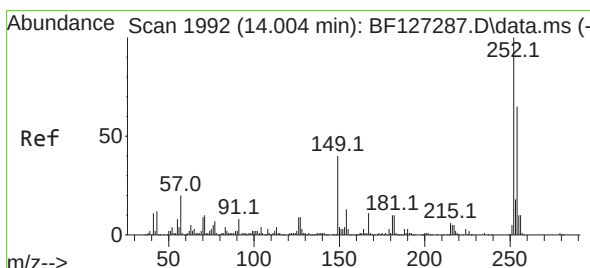
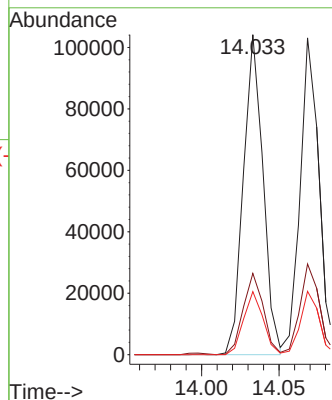
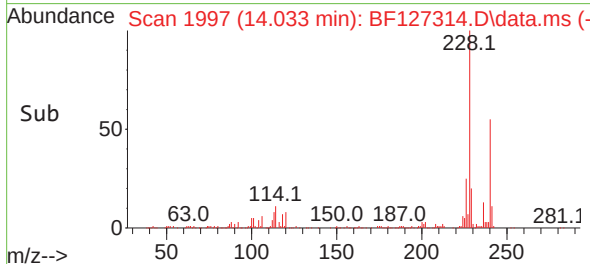
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2022



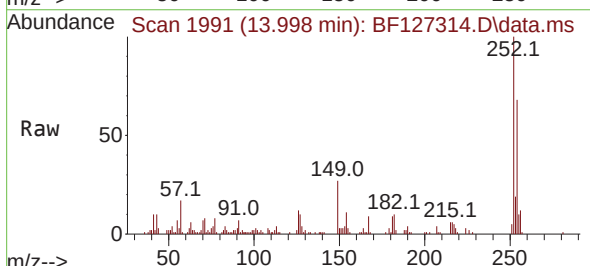
Tgt Ion:228 Resp: 91610
Ion Ratio Lower Upper
228 100
226 25.4 21.4 32.0
229 19.7 15.4 23.2

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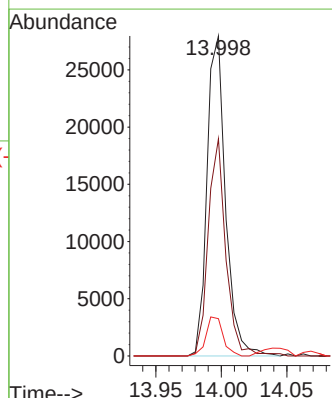
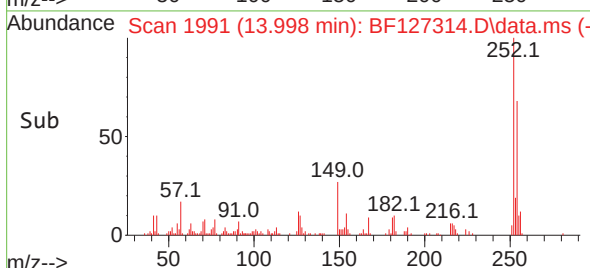
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022

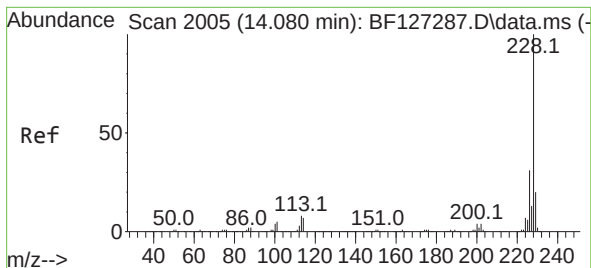


#82
3,3'-Dichlorobenzidine
Concen: 3.839 ng
RT: 13.998 min Scan# 1991
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44



Tgt Ion:252 Resp: 27588
Ion Ratio Lower Upper
252 100
254 67.8 51.0 76.4
126 11.7 13.4 20.0#





#83

Chrysene

Concen: 4.067 ng

RT: 14.068 min Scan# 2005

Delta R.T. -0.012 min

Lab File: BF127314.D

Acq: 14 Mar 2022 11:44

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2022

Tgt Ion:228 Resp: 8743

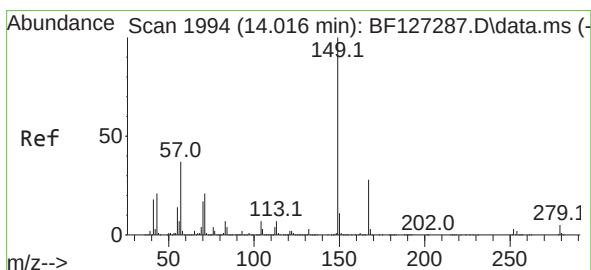
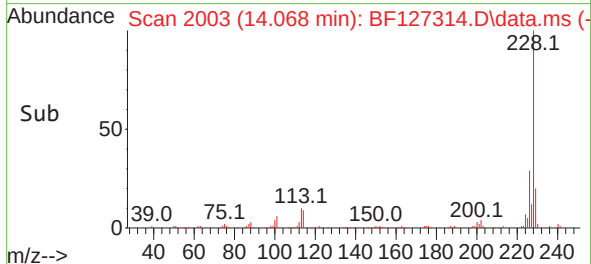
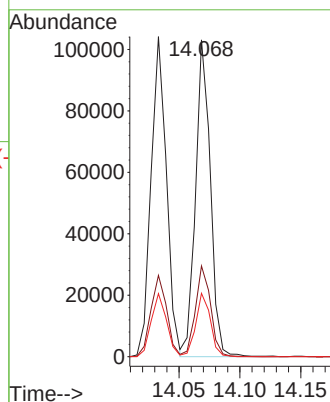
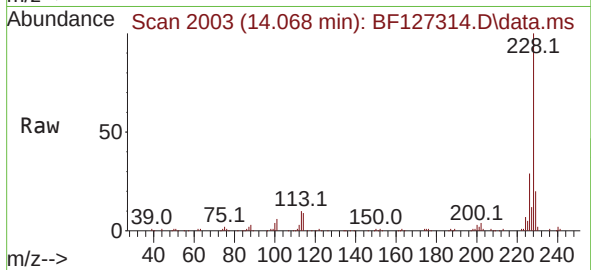
Ion	Ratio	Lower	Upper
228	100		
226	28.6	23.7	35.5
229	20.0	15.5	23.3

Manual Integrations

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Reviewed By :Christian Giraldo 03/15/2022

Supervised By :Jagrut Upadhyay 03/15/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 3.740 ng

RT: 14.010 min Scan# 1993

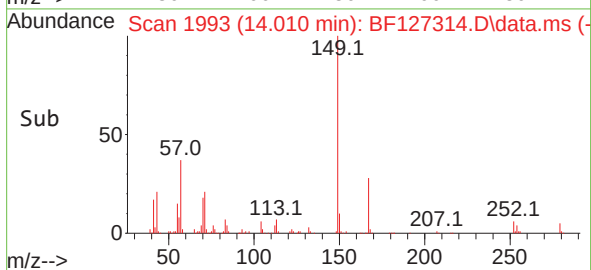
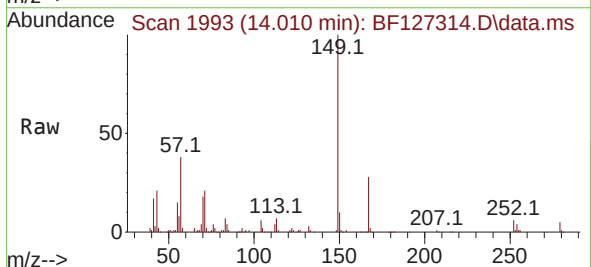
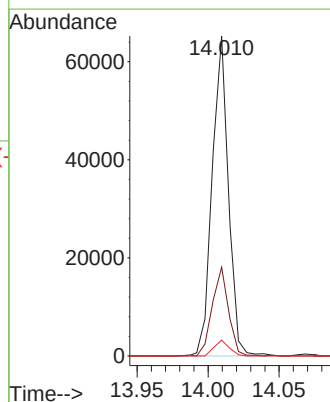
Delta R.T. -0.006 min

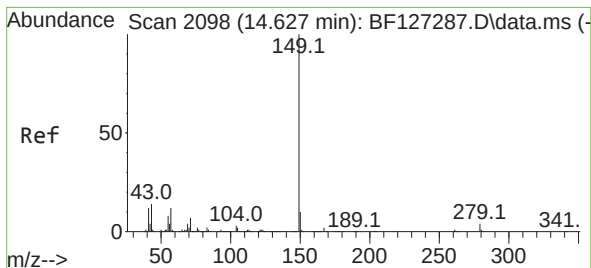
Lab File: BF127314.D

Acq: 14 Mar 2022 11:44

Tgt Ion:149 Resp: 51799

Ion	Ratio	Lower	Upper
149	100		
167	27.7	21.4	32.2
279	5.0	2.4	3.6





#85

Di-n-octyl phthalate

Concen: 3.485 ng

RT: 14.621 min Scan# 2098

Delta R.T. -0.006 min

Lab File: BF127314.D

Acq: 14 Mar 2022 11:44

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT1-2022

Tgt Ion:149 Resp: 73059

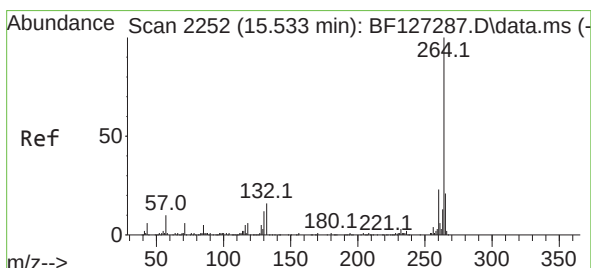
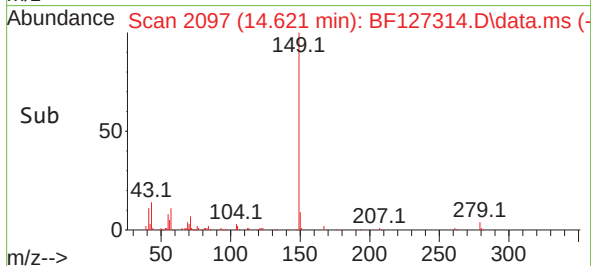
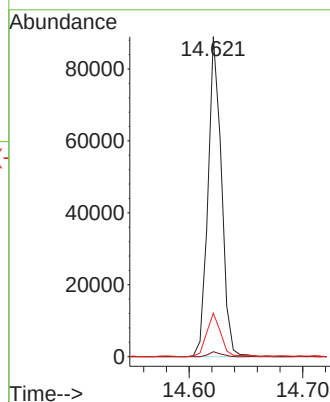
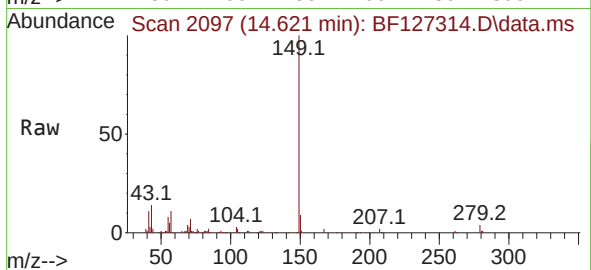
Ion	Ratio	Lower	Upper
149	100		
167	1.5	1.1	1.7
43	14.6	9.9	14.9

Manual Integrations

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Reviewed By :Christian Giraldo 03/15/2022

Supervised By :Jagrut Upadhyay 03/15/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2251

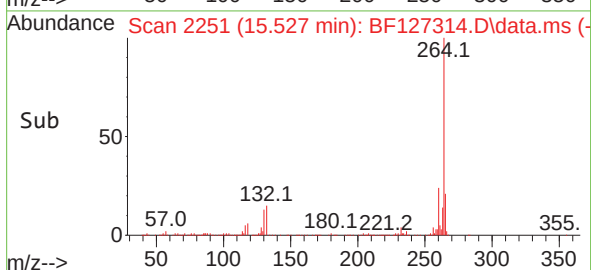
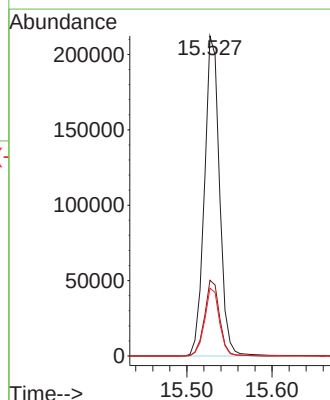
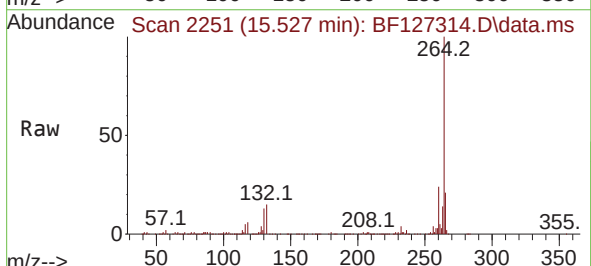
Delta R.T. -0.006 min

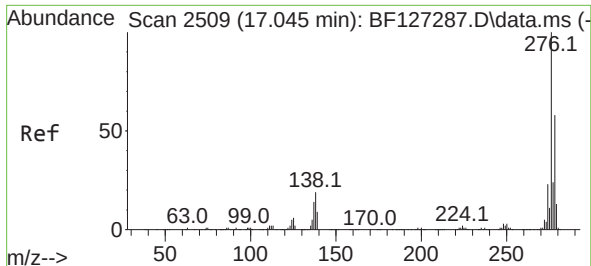
Lab File: BF127314.D

Acq: 14 Mar 2022 11:44

Tgt Ion:264 Resp: 261088

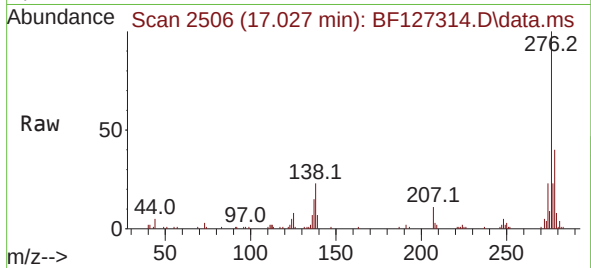
Ion	Ratio	Lower	Upper
264	100		
260	23.7	19.2	28.8
265	21.2	17.4	26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 3.307 ng
RT: 17.027 min Scan# 2177
Delta R.T. -0.018 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

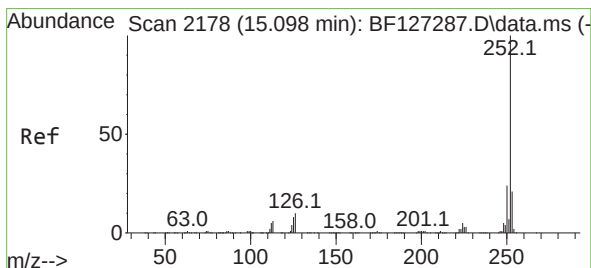
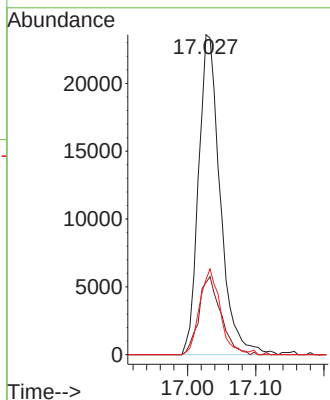
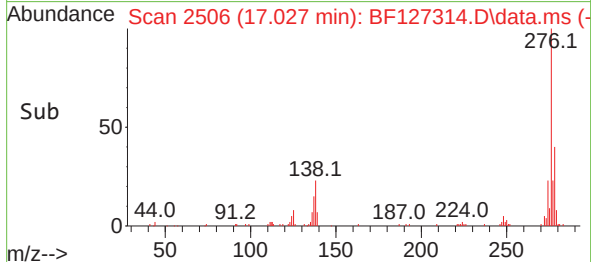
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:276 Resp: 52008
Ion Ratio Lower Upper
276 100
138 24.9 29.2 43.8
277 25.4 19.8 29.8

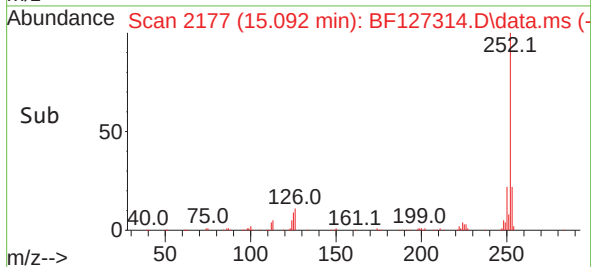
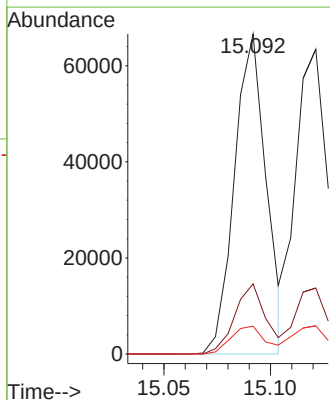
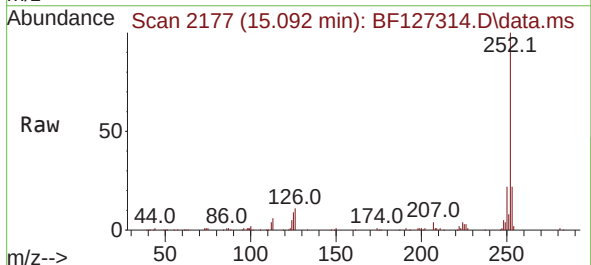
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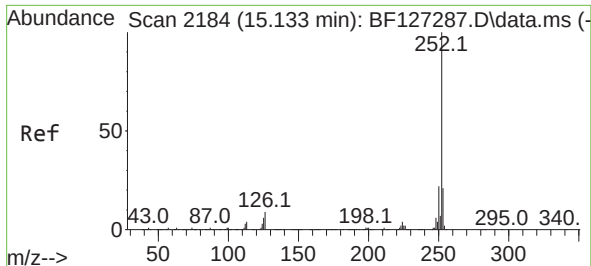
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022



#88
Benzo(b)fluoranthene
Concen: 4.040 ng
RT: 15.092 min Scan# 2177
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

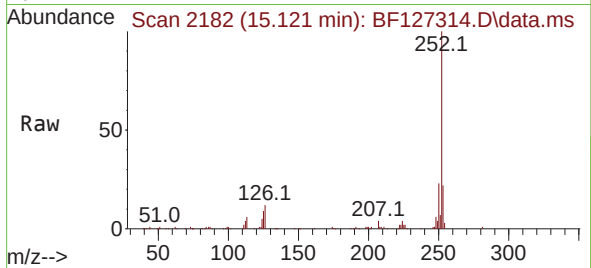
Tgt Ion:252 Resp: 69234
Ion Ratio Lower Upper
252 100
253 21.9 17.8 26.8
125 8.7 12.4 18.6





#89
Benzo(k)fluoranthene
Concen: 4.356 ng
RT: 15.121 min Scan# 2184
Delta R.T. -0.012 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

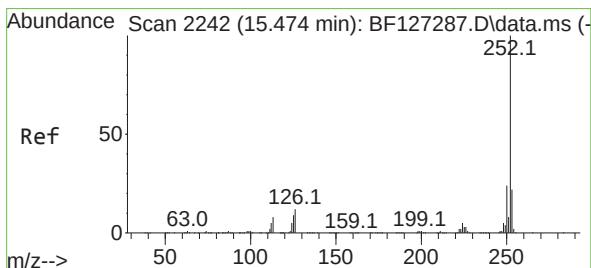
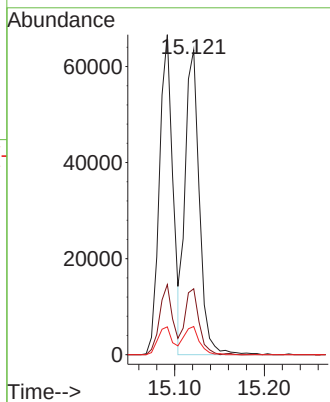
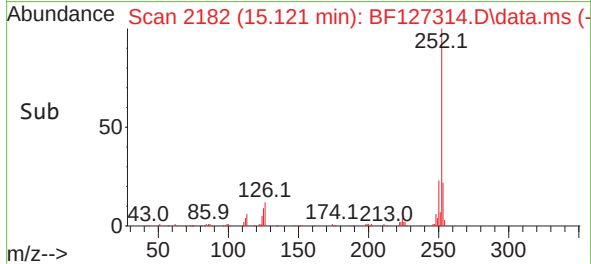
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT1-2022



Tgt Ion:252 Resp: 7019
Ion Ratio Lower Upper
252 100
253 21.6 17.5 26.3
125 9.2 11.8 17.6

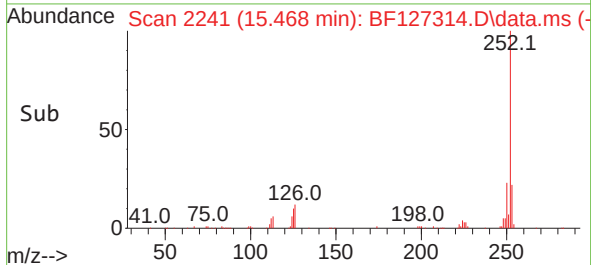
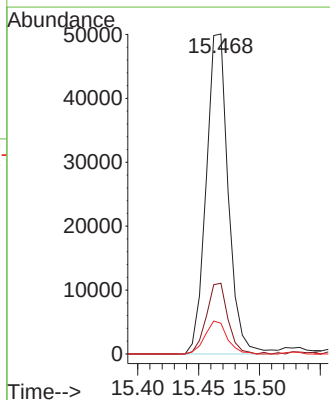
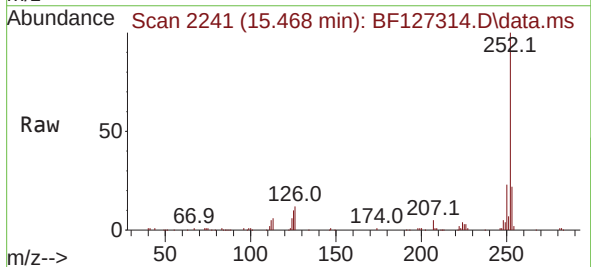
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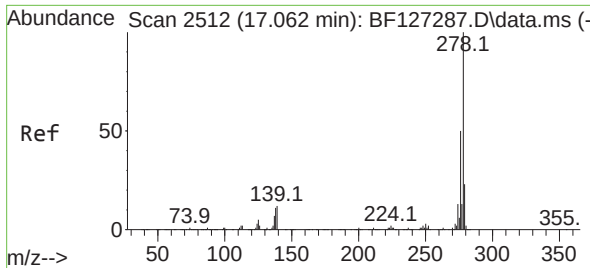
Reviewed By :Christian Giraldo 03/15/2022
Supervised By :Jagrut Upadhyay 03/15/2022



#90
Benzo(a)pyrene
Concen: 4.696 ng
RT: 15.468 min Scan# 2241
Delta R.T. -0.006 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

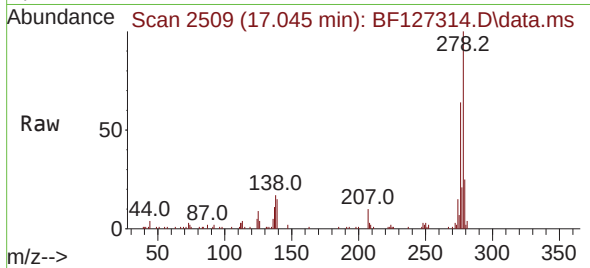
Tgt Ion:252 Resp: 63370
Ion Ratio Lower Upper
252 100
253 22.1 17.1 25.7
125 9.6 13.0 19.6





#91
Dibenzo(a,h)anthracene
Concen: 3.445 ng
RT: 17.045 min Scan# 2509
Delta R.T. -0.018 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

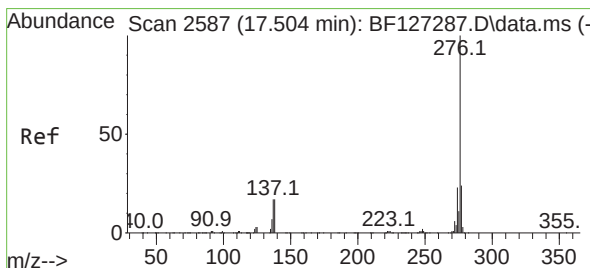
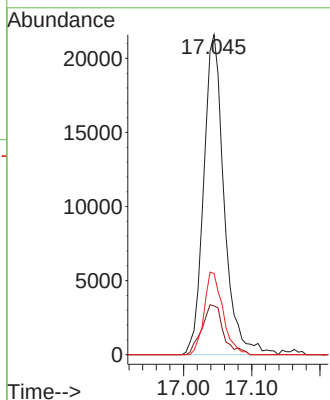
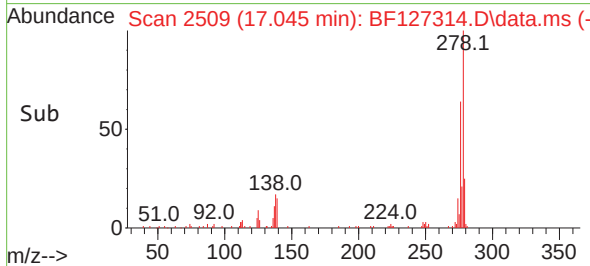
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT1-2022



Tgt Ion: 278 Resp: 45095
Ion Ratio Lower Upper
278 100
139 15.2 18.0 27.0
279 25.4 18.6 27.8

Manual Integrations
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Reviewed By : Christian Giraldo 03/15/2022
Supervised By : Jagrut Upadhyay 03/15/2022



#92
Benzo(g,h,i)perylene
Concen: 3.520 ng
RT: 17.486 min Scan# 2584
Delta R.T. -0.018 min
Lab File: BF127314.D
Acq: 14 Mar 2022 11:44

Tgt Ion: 276 Resp: 44945
Ion Ratio Lower Upper
276 100
277 25.3 18.5 27.7
138 17.8 25.9 38.9

