

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072222\
 Data File : BF129309.D
 Acq On : 22 Jul 2022 11:24
 Operator : CG\JU
 Sample : N3214-03
 Misc : MDL-MDL-SOIL 4ppm
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2022

Quant Time: Jul 22 11:50:12 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF072022.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jul 20 13:42:18 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By : Christian Giraldo 07/25/2022
 Supervised By : Jagrut Upadhyay 07/25/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.893	152	145997	20.000	ng	0.00
21) Naphthalene-d8	8.175	136	547629	20.000	ng	0.00
39) Acenaphthene-d10	9.934	164	297946	20.000	ng	0.00
64) Phenanthrene-d10	11.422	188	512225	20.000	ng	0.00
76) Chrysene-d12	14.069	240	404963	20.000	ng	-0.01
86) Perylene-d12	15.563	264	323373	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	979964	109.479	ng	0.00
7) Phenol-d6	6.522	99	1303426	114.229	ng	0.00
23) Nitrobenzene-d5	7.457	82	931313	91.493	ng	0.00
42) 2,4,6-Tribromophenol	10.728	330	366591	127.529	ng	0.00
45) 2-Fluorobiphenyl	9.251	172	1647824	85.081	ng	0.00
79) Terphenyl-d14	13.016	244	1725766	79.368	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.699	88	13504	3.402	ng	87
3) Pyridine	3.563	79	53167	4.852	ng	97
4) n-Nitrosodimethylamine	3.446	42	18145	3.688	ng	83
6) Aniline	6.557	93	56954	4.056	ng	97
8) 2-Chlorophenol	6.675	128	38079	3.881	ng	91
9) Benzaldehyde	6.445	77	31380	4.009	ng	97
10) Phenol	6.534	94	43810	3.653	ng	97
11) bis(2-Chloroethyl)ether	6.628	93	36098	3.803	ng	91
12) 1,3-Dichlorobenzene	6.834	146	42454	4.014	ng	95
13) 1,4-Dichlorobenzene	6.910	146	41952	3.920	ng	97
14) 1,2-Dichlorobenzene	7.063	146	39406	3.985	ng	97
15) Benzyl Alcohol	7.028	79	46061	5.564	ng	95
16) 2,2'-oxybis(1-Chloropr...	7.163	45	52284	3.613	ng	92
17) 2-Methylphenol	7.134	107	29830	3.730	ng	96
18) Hexachloroethane	7.404	117	15695	3.909	ng	92
19) n-Nitroso-di-n-propyla...	7.292	70	26898	3.956	ng	99
20) 3+4-Methylphenols	7.287	107	38620	3.703	ng	93
22) Acetophenone	7.298	105	55249	4.297	ng	98
24) Nitrobenzene	7.475	77	44763	4.270	ng	97
25) Isophorone	7.704	82	72739	4.070	ng	97
26) 2-Nitrophenol	7.787	139	18125	3.583	ng	97
27) 2,4-Dimethylphenol	7.816	122	33347m	4.382	ng	
28) bis(2-Chloroethoxy)met...	7.916	93	44000	4.250	ng	97
29) 2,4-Dichlorophenol	8.028	162	30498	3.853	ng	95
30) 1,2,4-Trichlorobenzene	8.116	180	32474	3.947	ng	99
31) Naphthalene	8.198	128	112033	3.989	ng	99
32) Benzoic acid	7.887	122	32328m	5.812	ng	
33) 4-Chloroaniline	8.245	127	45148	3.941	ng	96
34) Hexachlorobutadiene	8.310	225	20582	4.377	ng	95
35) Caprolactam	8.575	113	8835	3.500	ng	88
36) 4-Chloro-3-methylphenol	8.716	107	34543	4.108	ng	98
37) 2-Methylnaphthalene	8.886	142	72493	3.983	ng	99
38) 1-Methylnaphthalene	8.986	142	70312	3.993	ng	98
40) 1,2,4,5-Tetrachloroben...	9.051	216	32804	4.194	ng	98
41) Hexachlorocyclopentadiene	9.039	237	12952	3.757	ng	94
43) 2,4,6-Trichlorophenol	9.163	196	21292	3.725	ng	98

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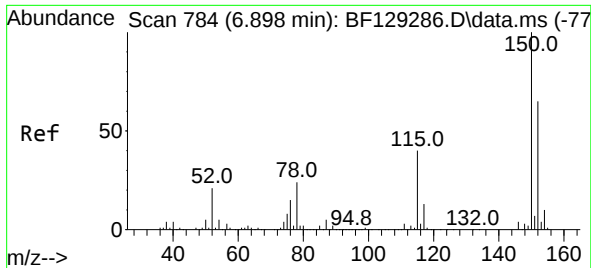
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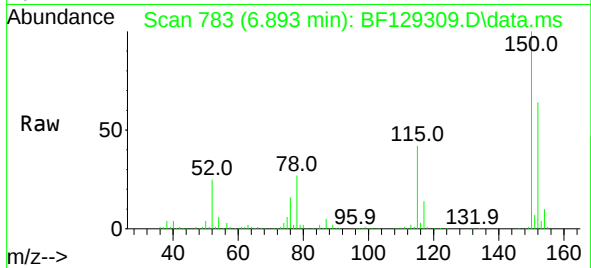
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	22846	3.684	ng	97
46) 1,1'-Biphenyl	9.351	154	93488	4.246	ng	97
47) 2-Chloronaphthalene	9.375	162	68876	3.906	ng	98
48) 2-Nitroaniline	9.469	65	21016	3.548	ng	95
49) Acenaphthylene	9.792	152	113944	4.207	ng	99
50) Dimethylphthalate	9.645	163	81450	3.979	ng	99
51) 2,6-Dinitrotoluene	9.710	165	17237	3.761	ng	93
52) Acenaphthene	9.963	154	72469	4.123	ng	98
53) 3-Nitroaniline	9.881	138	19238	3.528	ng #	96
54) 2,4-Dinitrophenol	9.986	184	13051	5.627	ng	98
55) Dibenzofuran	10.139	168	101809	4.168	ng	99
56) 4-Nitrophenol	10.033	139	12937	3.248	ng	85
57) 2,4-Dinitrotoluene	10.116	165	22246	3.702	ng #	97
58) Fluorene	10.481	166	80378	4.123	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.251	232	16186	3.386	ng #	87
60) Diethylphthalate	10.345	149	80162	4.070	ng	99
61) 4-Chlorophenyl-phenyle...	10.475	204	36542	4.285	ng	93
62) 4-Nitroaniline	10.486	138	18295	3.396	ng	94
63) Azobenzene	10.633	77	80614	3.956	ng	95
65) 4,6-Dinitro-2-methylph...	10.522	198	8972	2.848	ng	95
66) n-Nitrosodiphenylamine	10.586	169	67213	3.969	ng	96
67) 4-Bromophenyl-phenylether	10.963	248	22393	4.052	ng	96
68) Hexachlorobenzene	11.028	284	25117	4.149	ng	98
69) Atrazine	11.110	200	21551	4.164	ng	96
70) Pentachlorophenol	11.222	266	9388	2.821	ng	96
71) Phenanthrene	11.445	178	114866	4.086	ng	97
72) Anthracene	11.498	178	115668	4.152	ng	98
73) Carbazole	11.651	167	106528	4.099	ng	98
74) Di-n-butylphthalate	11.975	149	120829	4.024	ng	100
75) Fluoranthene	12.639	202	117434	4.098	ng	97
77) Benzidine	12.757	184	58706	3.638	ng	100
78) Pyrene	12.869	202	121939	3.521	ng	97
80) Butylbenzylphthalate	13.480	149	45415	3.213	ng	95
81) Benzo(a)anthracene	14.057	228	104542	3.749	ng	98
82) 3,3'-Dichlorobenzidine	14.016	252	34510	3.770	ng #	95
83) Chrysene	14.092	228	99827	3.793	ng	96
84) Bis(2-ethylhexyl)phtha...	14.033	149	62158	3.581	ng #	96
85) Di-n-octyl phthalate	14.651	149	87898	3.539	ng	99
87) Indeno(1,2,3-cd)pyrene	17.062	276	67025	3.023	ng	97
88) Benzo(b)fluoranthene	15.116	252	86715	4.029	ng	99
89) Benzo(k)fluoranthene	15.145	252	79864	3.821	ng	98
90) Benzo(a)pyrene	15.492	252	72303	4.152	ng	95
91) Dibenzo(a,h)anthracene	17.080	278	59710	3.342	ng	96
92) Benzo(g,h,i)perylene	17.521	276	56738	3.056	ng	98

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.893 min Scan# 70
Delta R.T. -0.005 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

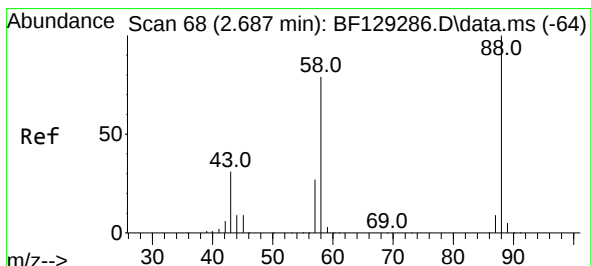
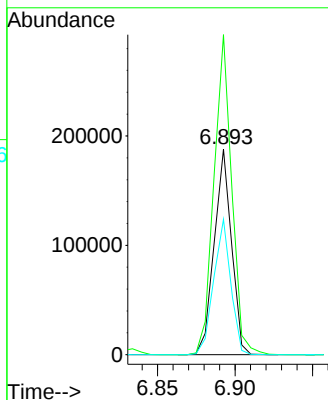
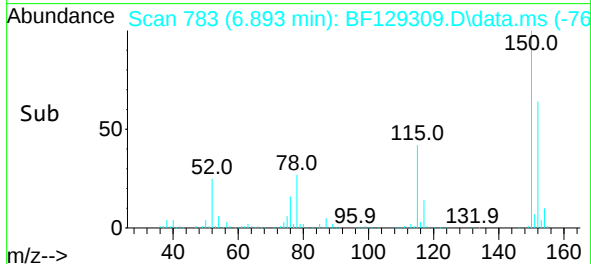
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:152 Resp: 14599
Ion Ratio Lower Upper
152 100
150 155.6 123.7 185.5
115 65.8 49.9 74.9

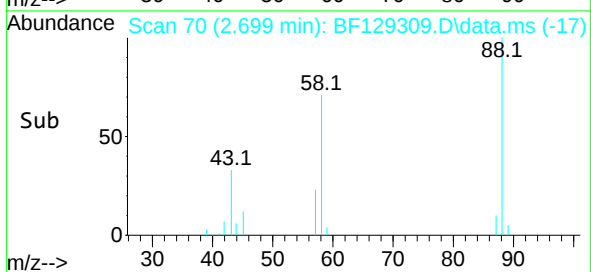
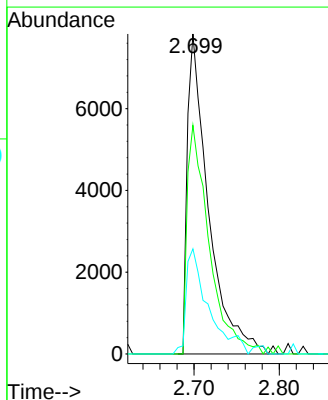
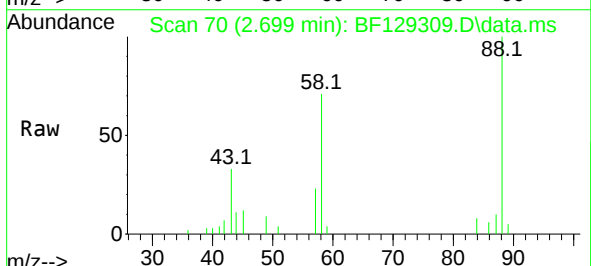
Manual Integrations
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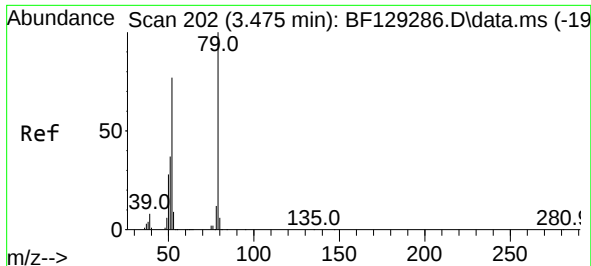
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#2
1,4-Dioxane
Concen: 3.402 ng
RT: 2.699 min Scan# 70
Delta R.T. 0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

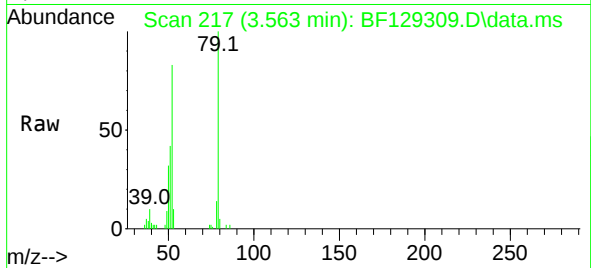
Tgt Ion: 88 Resp: 13504
Ion Ratio Lower Upper
88 100
58 74.1 71.8 107.8
43 34.5 26.6 39.8





#3
Pyridine
Concen: 4.852 ng
RT: 3.563 min Scan# 217
Delta R.T. 0.088 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

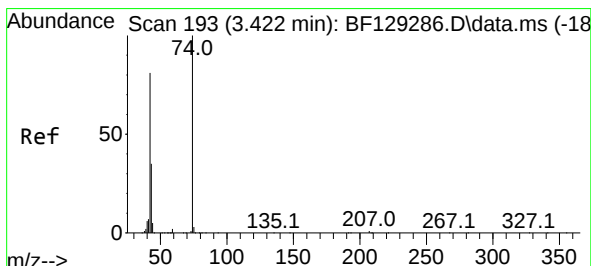
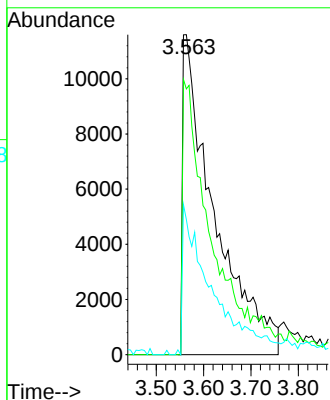
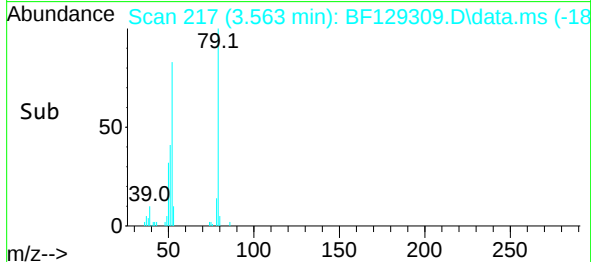
Instrument :
BNA_F
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MDL-SOIL-03-QT2-2022



Tgt Ion: 79 Resp: 5316
Ion Ratio Lower Upper
79 100
52 83.0 68.6 102.8
51 42.2 32.9 49.3

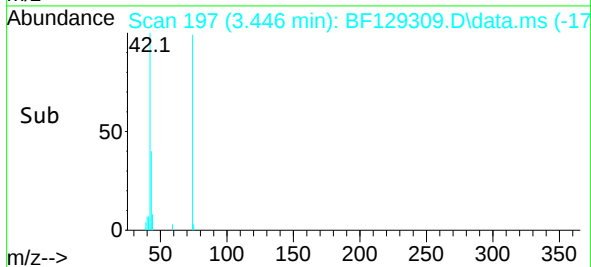
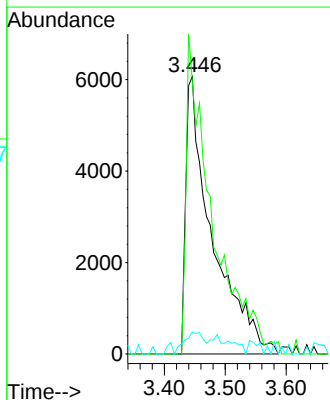
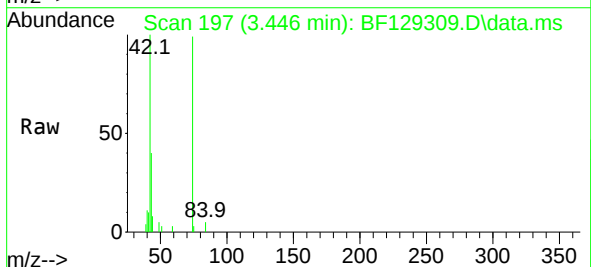
Manual Integrations
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Supervised By :Jagrut Upadhyay 07/25/2022



#4
n-Nitrosodimethylamine
Concen: 3.688 ng
RT: 3.446 min Scan# 197
Delta R.T. 0.024 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

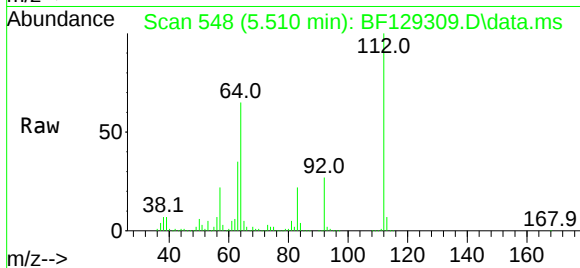
Tgt Ion: 42 Resp: 18145
Ion Ratio Lower Upper
42 100
74 98.6 94.8 142.2
44 7.9 6.6 10.0





#5
2-Fluorophenol
Concen: 109.479 ng
RT: 5.510 min Scan# 549
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

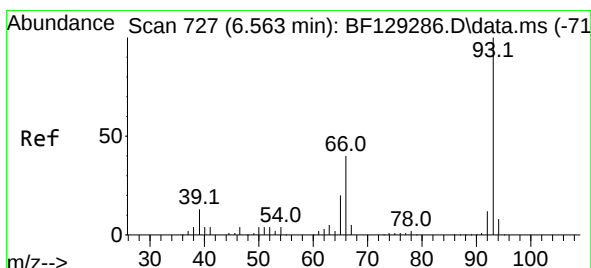
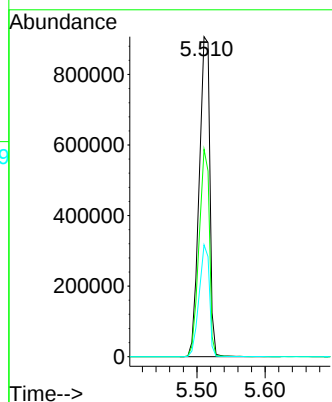
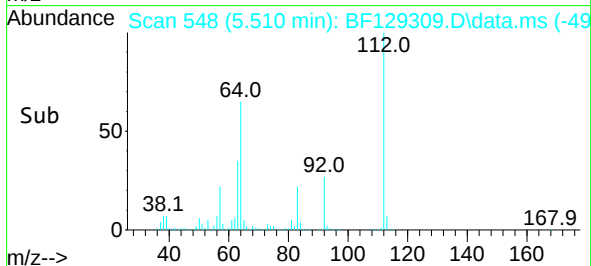
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:112 Resp: 979964
Ion Ratio Lower Upper
112 100
64 64.8 53.3 79.9
63 35.0 28.0 42.0

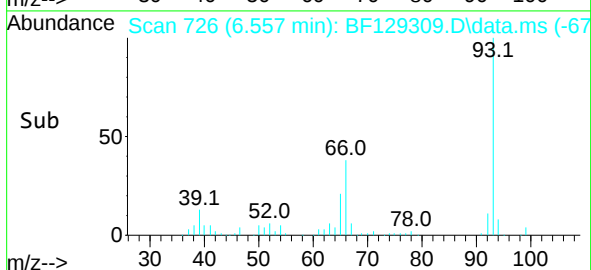
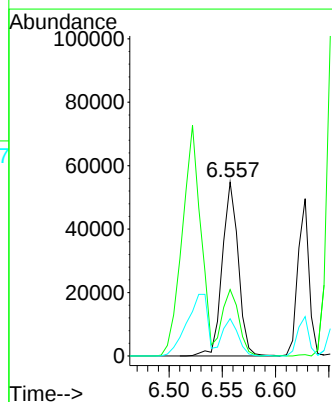
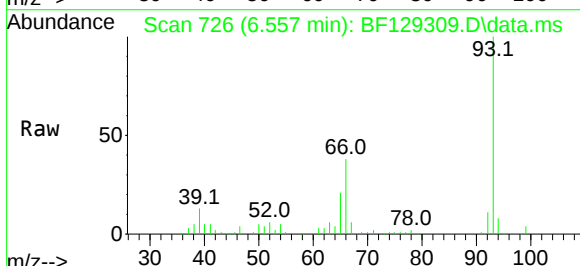
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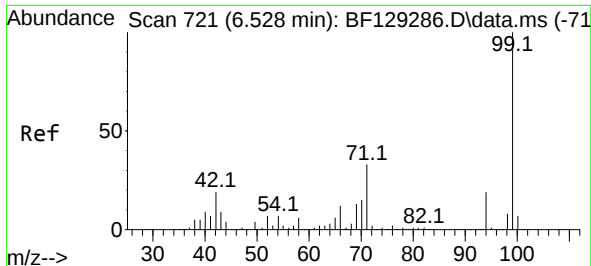
Reviewed By :Christian Giraldo 07/25/2022
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#6
Aniline
Concen: 4.056 ng
RT: 6.557 min Scan# 726
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

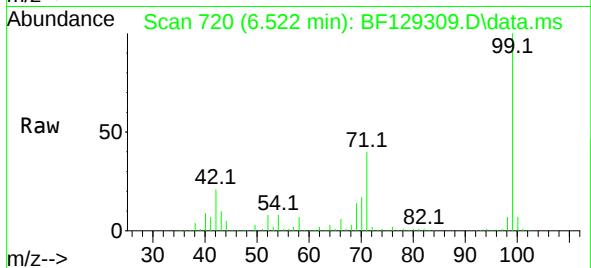
Tgt Ion: 93 Resp: 56954
Ion Ratio Lower Upper
93 100
66 38.2 32.5 48.7
65 21.4 16.4 24.6





#7
Phenol-d6
Concen: 114.229 ng
RT: 6.522 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

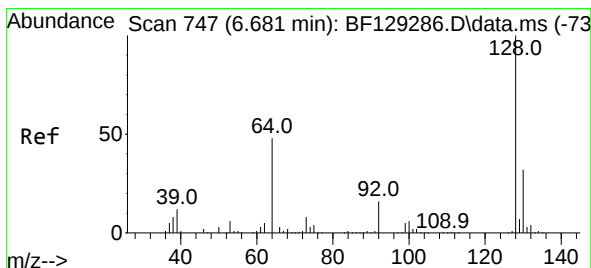
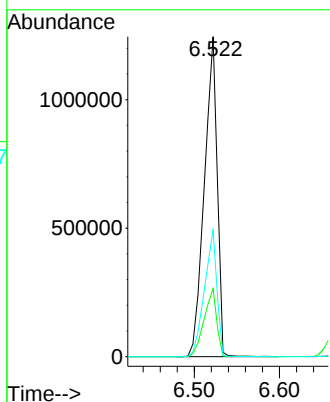
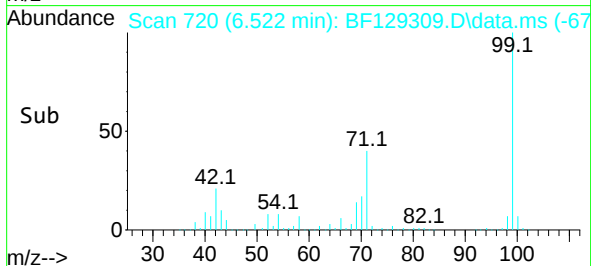
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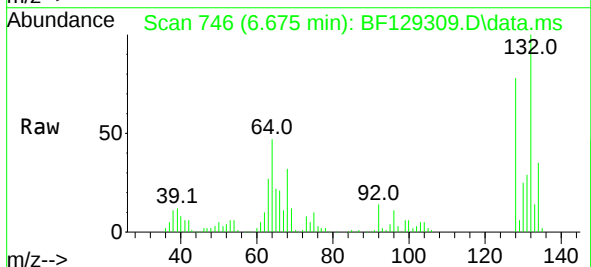
Tgt Ion: 99 Resp: 1303420
Ion Ratio Lower Upper
99 100
42 21.3 17.3 25.9
71 39.6 28.9 43.3

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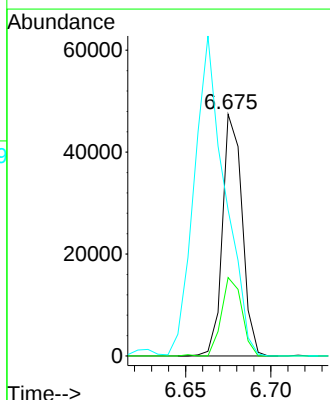
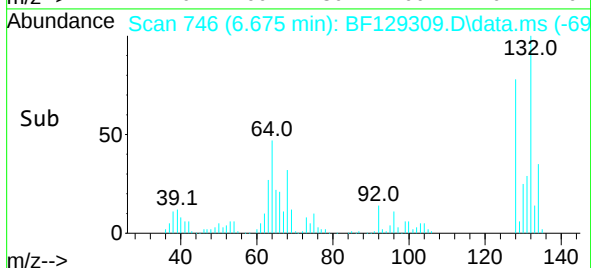
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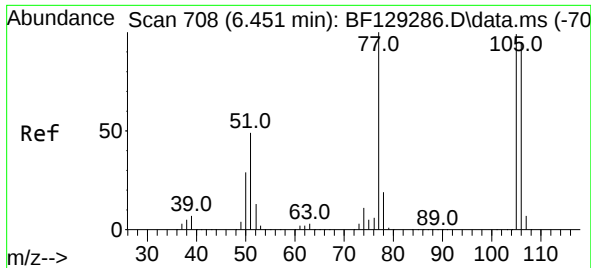


#8
2-Chlorophenol
Concen: 3.881 ng
RT: 6.675 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24



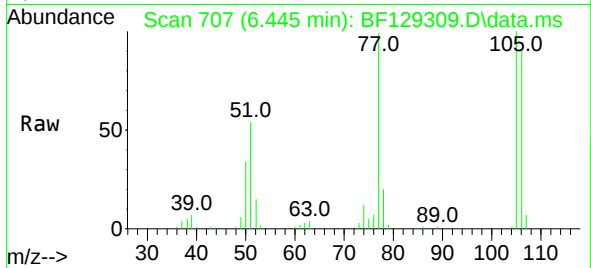
Tgt Ion:128 Resp: 38079
Ion Ratio Lower Upper
128 100
130 32.4 13.1 53.1
64 60.5 30.9 70.9





#9
Benzaldehyde
Concen: 4.009 ng
RT: 6.445 min Scan# 708
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

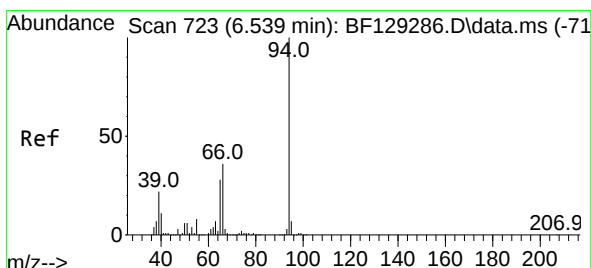
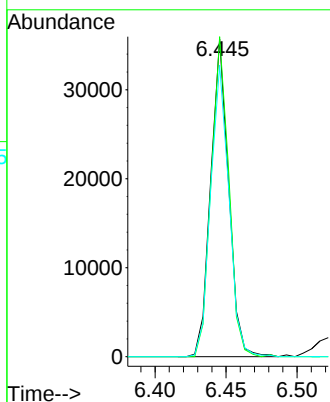
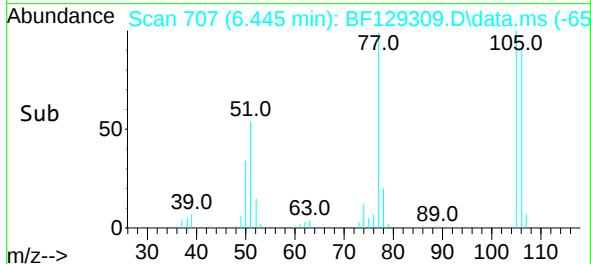
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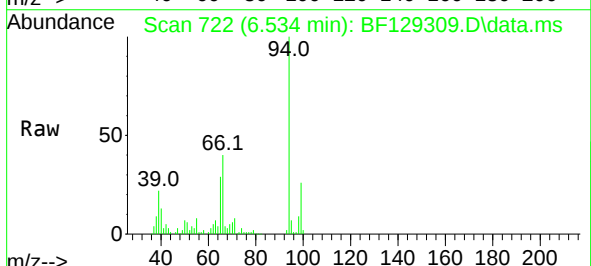
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Ion Ratio Lower Upper
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105 100.8 81.6 121.6
106 91.8 76.1 116.1

Manual Integrations
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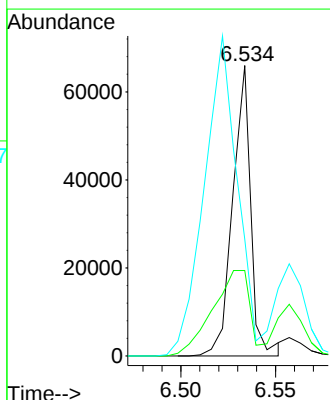
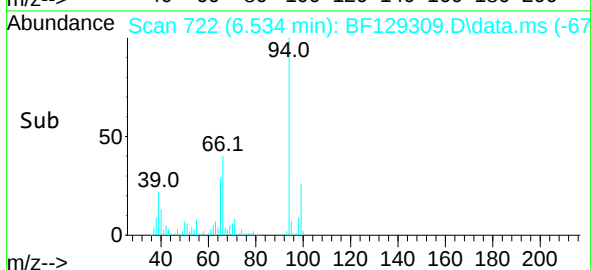
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#10
Phenol
Concen: 3.653 ng
RT: 6.534 min Scan# 722
Delta R.T. -0.006 min
Lab File: BF129309.D
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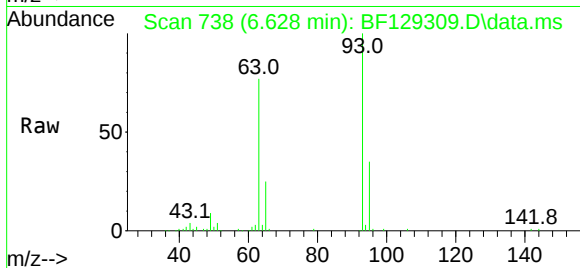
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Ion Ratio Lower Upper
94 100
65 29.4 11.4 51.4
66 40.2 21.4 61.4





#11
bis(2-Chloroethyl)ether
Concen: 3.803 ng
RT: 6.628 min Scan# 711
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

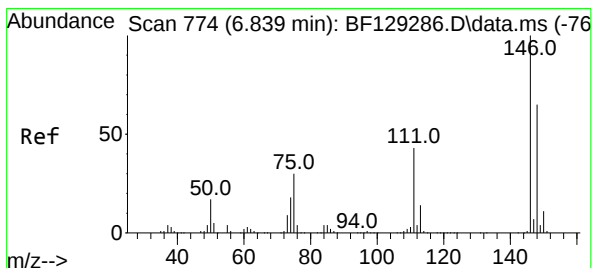
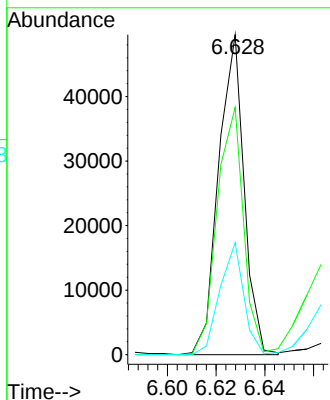
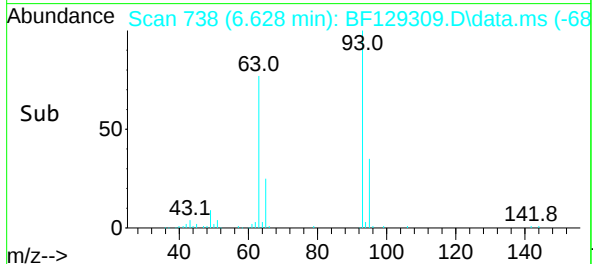
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



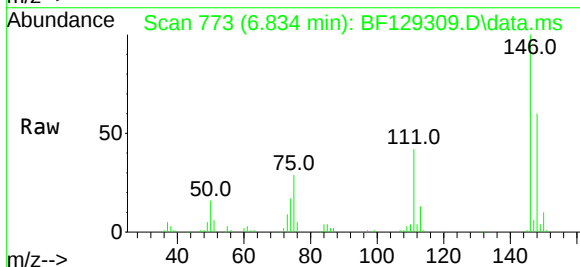
Tgt Ion: 93 Resp: 36098
Ion Ratio Lower Upper
93 100
63 77.3 67.4 107.4
95 35.0 12.7 52.7

Manual Integrations
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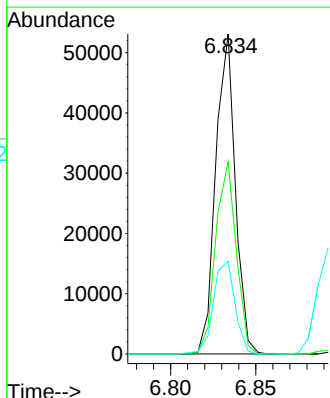
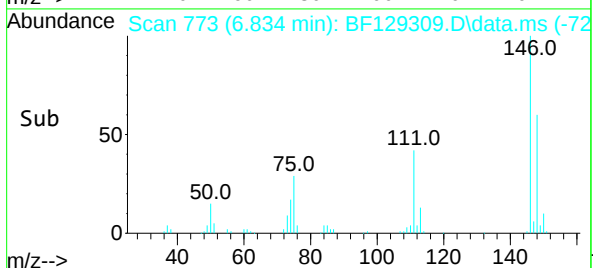
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

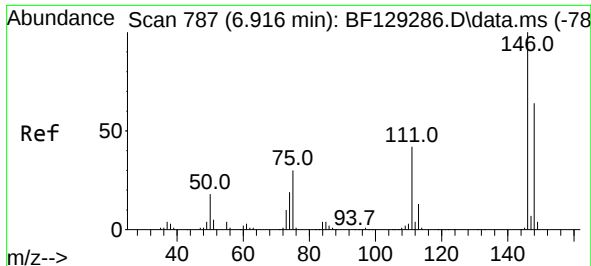


#12
1,3-Dichlorobenzene
Concen: 4.014 ng
RT: 6.834 min Scan# 773
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24



Tgt Ion:146 Resp: 42454
Ion Ratio Lower Upper
146 100
148 60.1 50.6 75.8
75 29.0 26.3 39.5





#13

1,4-Dichlorobenzene

Concen: 3.920 ng

RT: 6.910 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2022

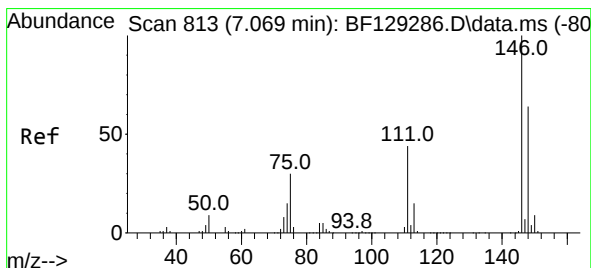
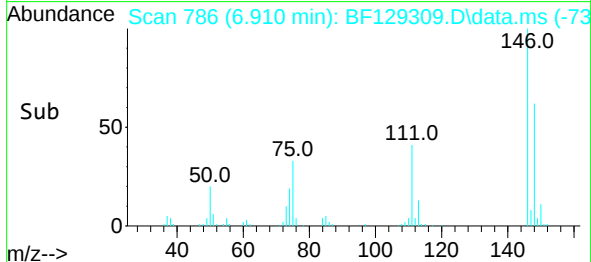
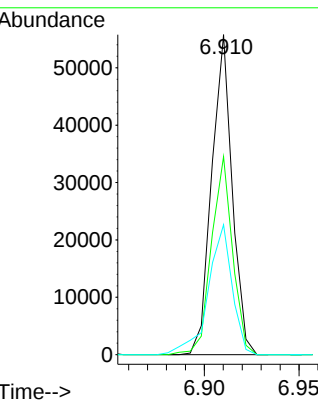
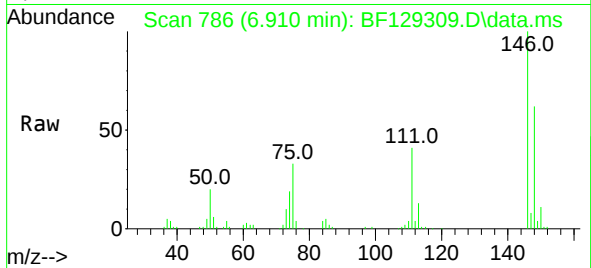
Tgt Ion:146	Resp:	41952
Ion Ratio	Lower	Upper
146	100	
148	61.9	51.1 76.7
111	40.6	34.2 51.4

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/25/2022

Supervised By :Jagrut Upadhyay 07/25/2022



#14

1,2-Dichlorobenzene

Concen: 3.985 ng

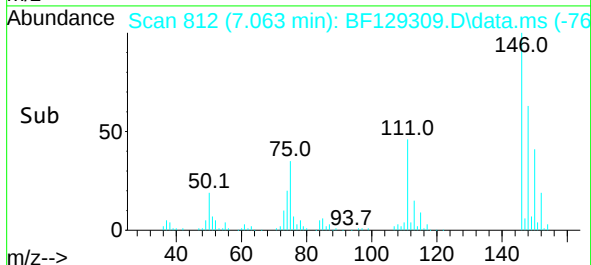
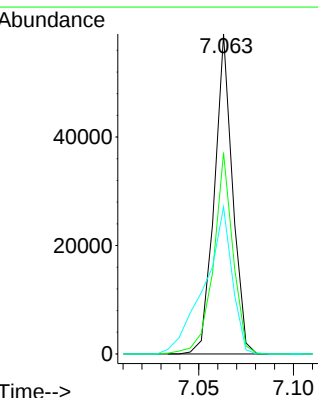
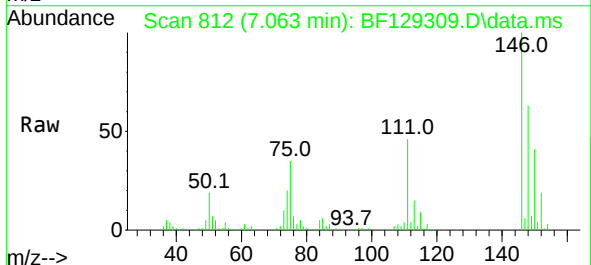
RT: 7.063 min Scan# 812

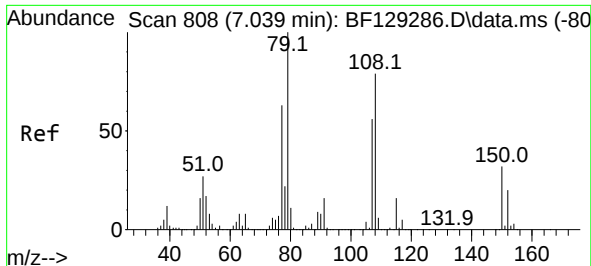
Delta R.T. -0.006 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

Tgt Ion:146	Resp:	39406
Ion Ratio	Lower	Upper
146	100	
148	62.9	51.8 77.8
111	46.0	35.1 52.7





#15

Benzyl Alcohol

Concen: 5.564 ng

RT: 7.028 min Scan# 80

Delta R.T. -0.012 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

Instrument :

BNA_F

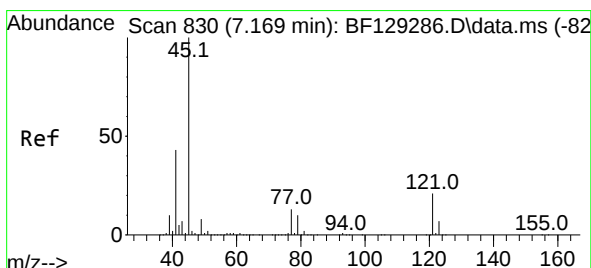
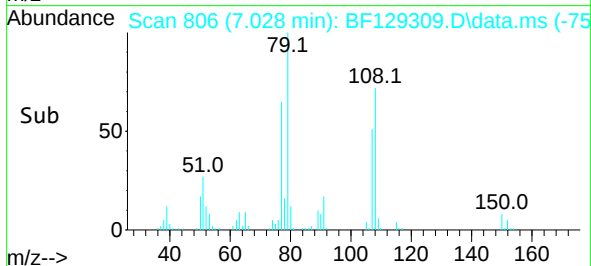
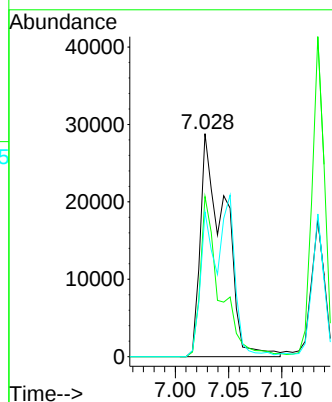
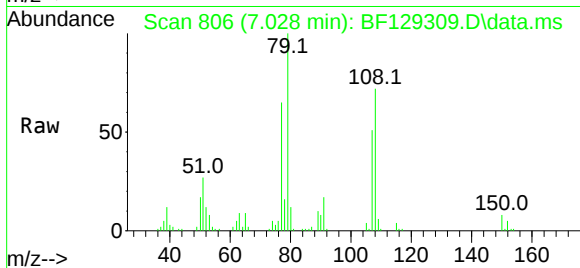
ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion: 79	Resp: 4606
Ion Ratio	Lower Upper
79	100
108	71.8 61.8 92.6
77	64.9 50.2 75.4

Manual Integrations
APPROVED

Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#16

2,2'-oxybis(1-Chloropropane)

Concen: 3.613 ng

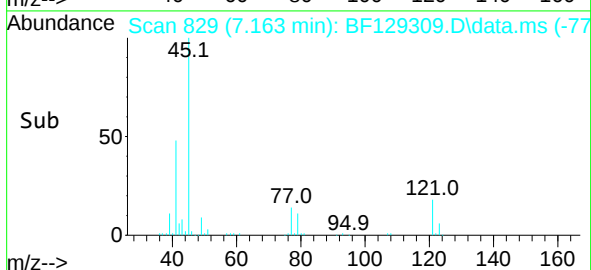
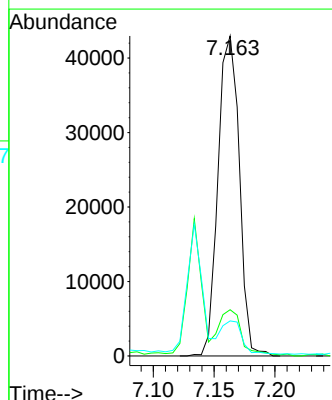
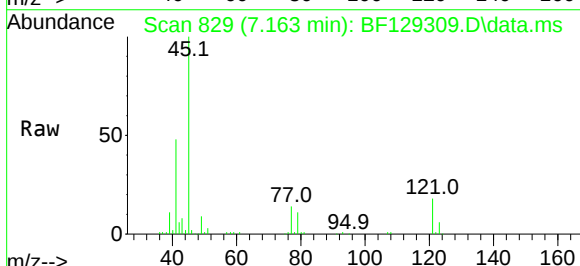
RT: 7.163 min Scan# 829

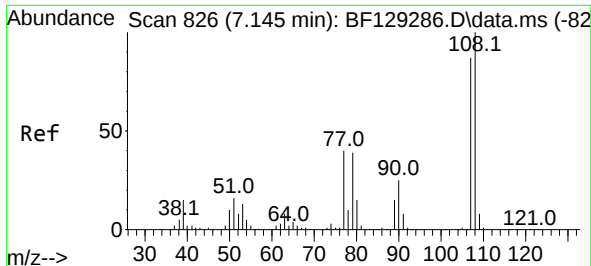
Delta R.T. -0.006 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

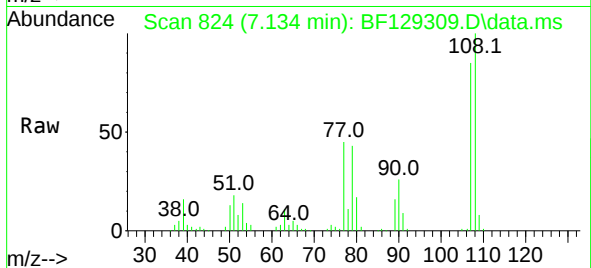
Tgt Ion: 45	Resp: 52284
Ion Ratio	Lower Upper
45	100
77	14.5 0.0 31.3
79	11.0 0.0 28.3





#17
2-Methylphenol
Concen: 3.730 ng
RT: 7.134 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

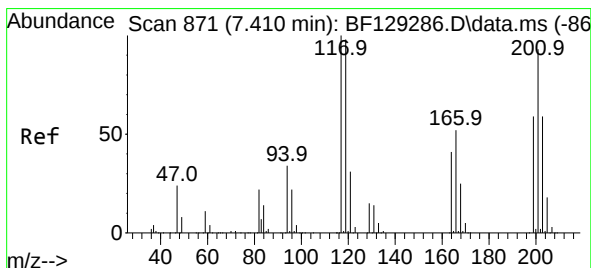
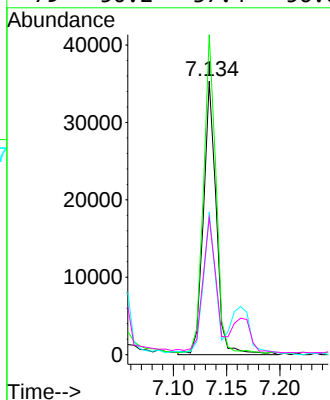
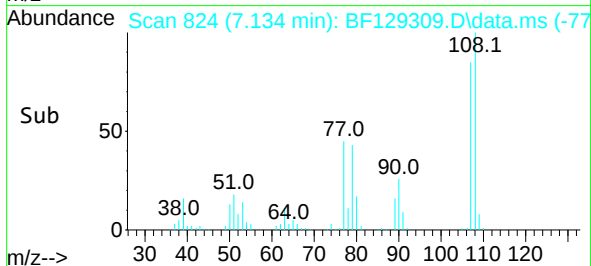
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



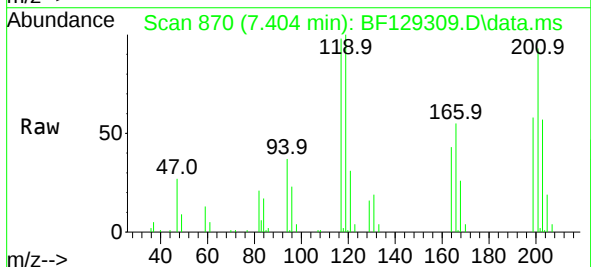
Tgt Ion:107 Resp: 29830
Ion Ratio Lower Upper
107 100
108 117.0 91.9 137.9
77 52.2 37.8 56.8
79 50.2 37.4 56.0

Manual Integrations
APPROVED

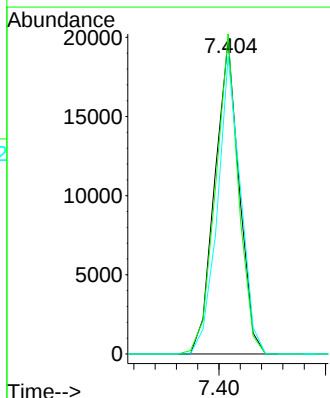
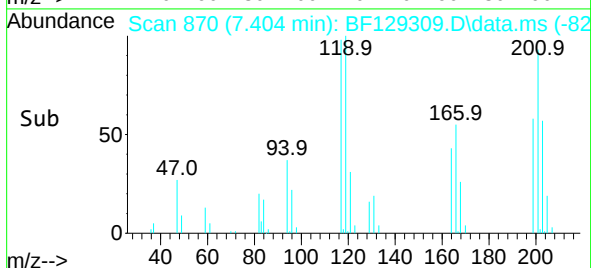
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

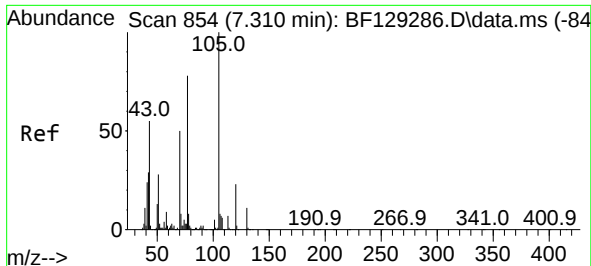


#18
Hexachloroethane
Concen: 3.909 ng
RT: 7.404 min Scan# 870
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24



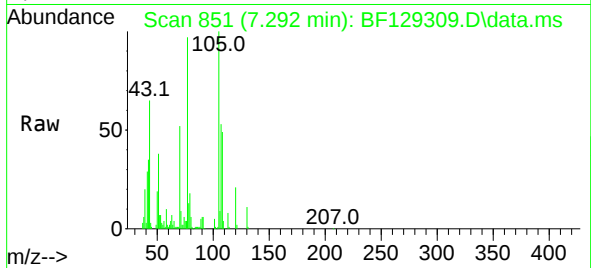
Tgt Ion:117 Resp: 15695
Ion Ratio Lower Upper
117 100
119 101.7 77.4 116.2
201 94.6 84.6 127.0





#19
n-Nitroso-di-n-propylamine
Concen: 3.956 ng
RT: 7.292 min Scan# 851
Delta R.T. -0.017 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

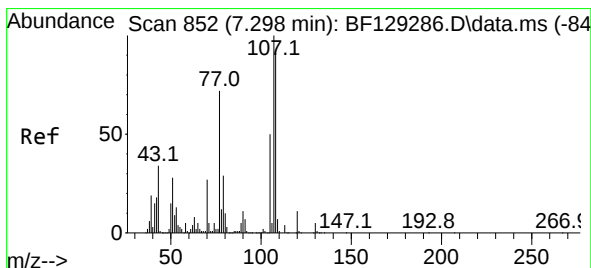
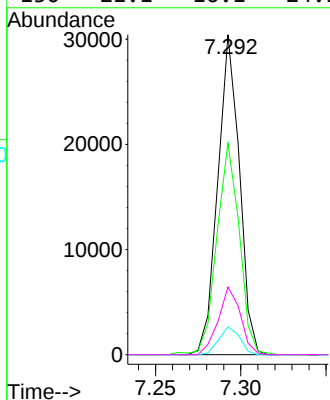
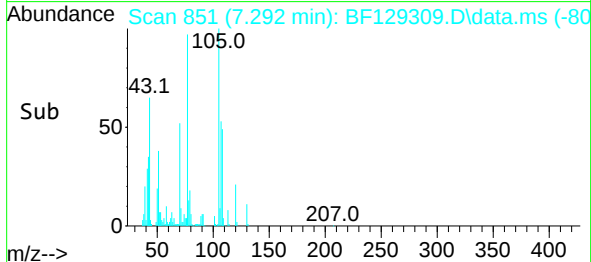
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



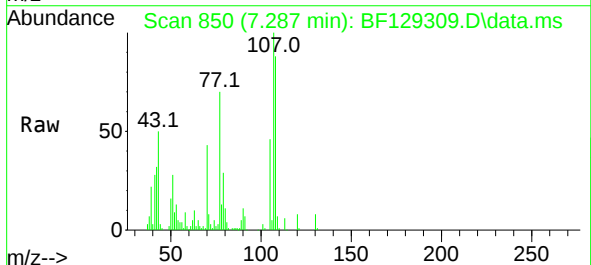
Tgt Ion: 70 Resp: 26898
Ion Ratio Lower Upper
70 100
42 66.1 52.3 78.5
101 8.7 7.5 11.3
130 21.1 16.1 24.1

Manual Integrations
APPROVED

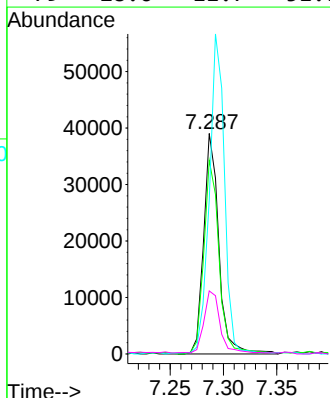
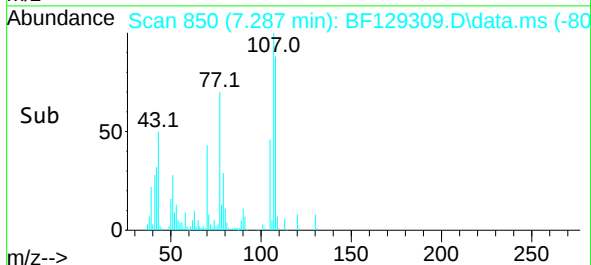
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

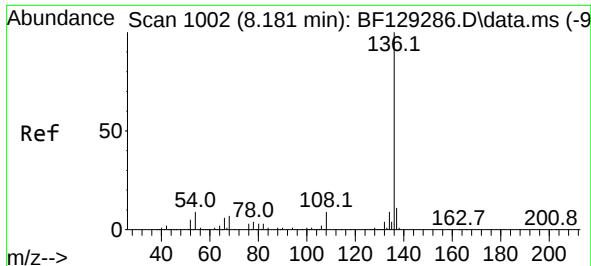


#20
3+4-Methylphenols
Concen: 3.703 ng
RT: 7.287 min Scan# 850
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24



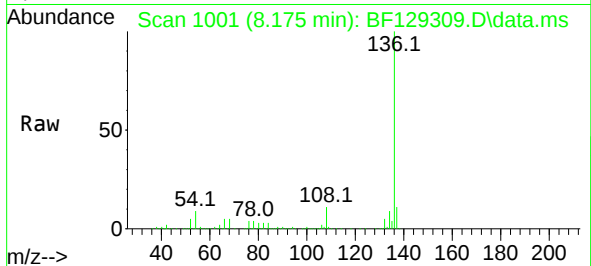
Tgt Ion:107 Resp: 38620
Ion Ratio Lower Upper
107 100
108 87.8 71.8 111.8
77 69.7 59.3 99.3
79 28.6 11.7 51.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.175 min Scan# 1001
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

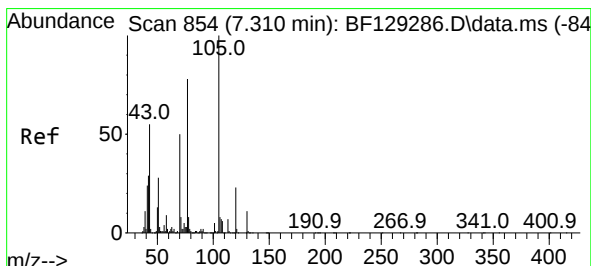
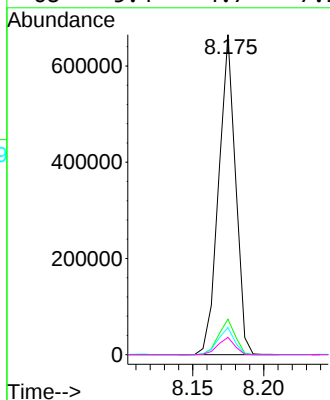
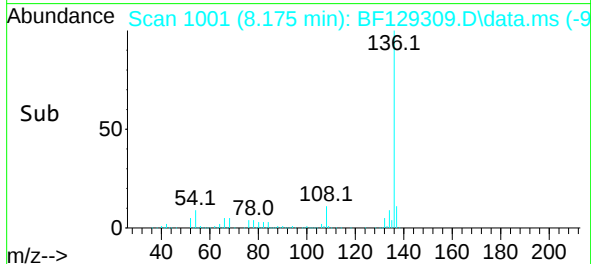
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:136 Resp: 547629
Ion Ratio Lower Upper
136 100
137 11.1 8.8 13.2
54 8.5 7.5 11.3
68 5.4 4.7 7.1

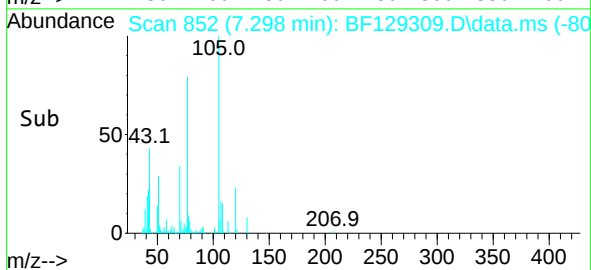
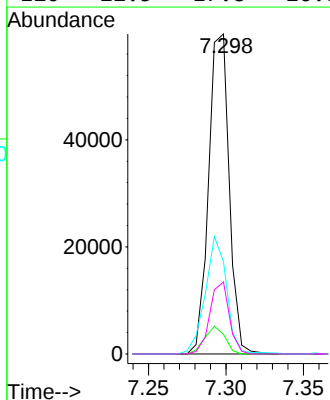
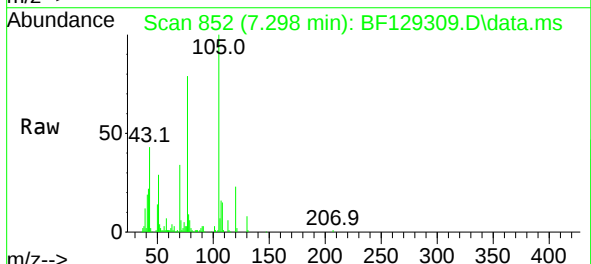
Manual Integrations
APPROVED

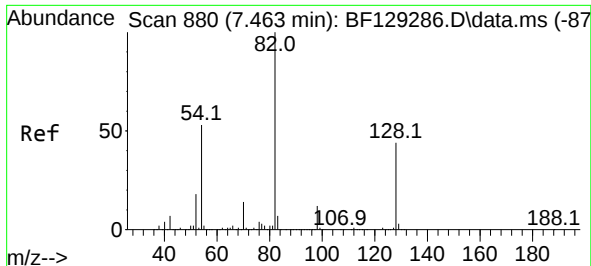
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#22
Acetophenone
Concen: 4.297 ng
RT: 7.298 min Scan# 852
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

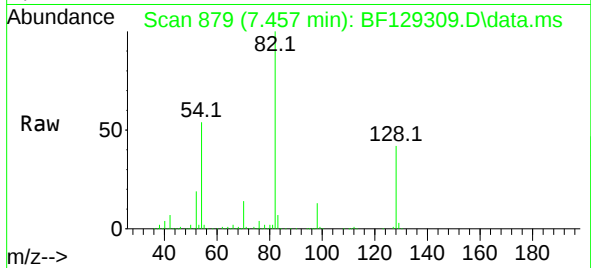
Tgt Ion:105 Resp: 55249
Ion Ratio Lower Upper
105 100
71 6.1 5.0 7.4
51 28.8 25.0 37.4
120 22.5 17.8 26.8





#23
Nitrobenzene-d5
Concen: 91.493 ng
RT: 7.457 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

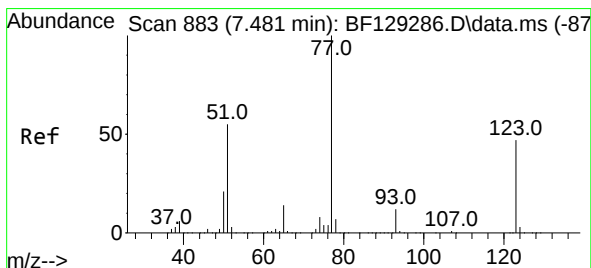
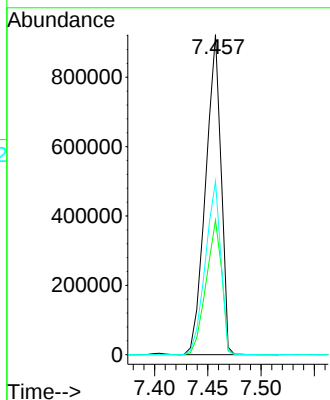
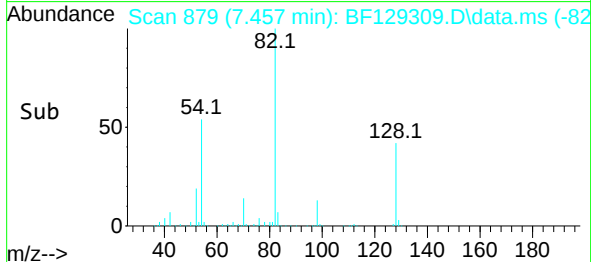
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



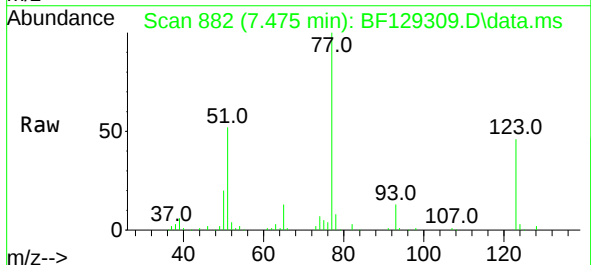
Tgt Ion: 82 Resp: 93131
Ion Ratio Lower Upper
82 100
128 42.0 34.0 51.0
54 54.2 46.9 70.3

Manual Integrations
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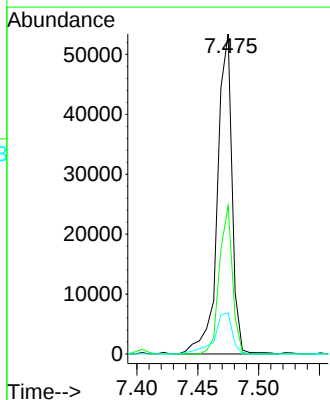
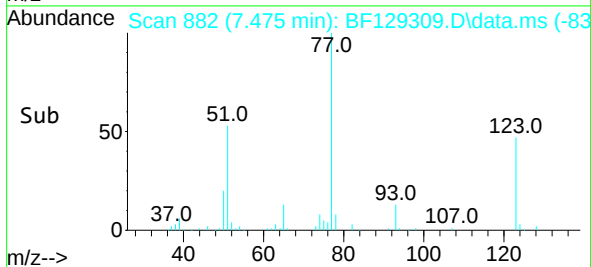
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#24
Nitrobenzene
Concen: 4.270 ng
RT: 7.475 min Scan# 882
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24



Tgt Ion: 77 Resp: 44763
Ion Ratio Lower Upper
77 100
123 46.2 35.4 53.2
65 12.8 11.8 17.8





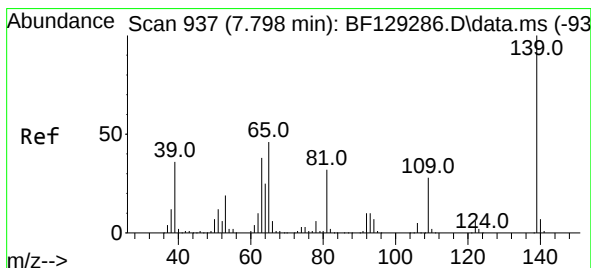
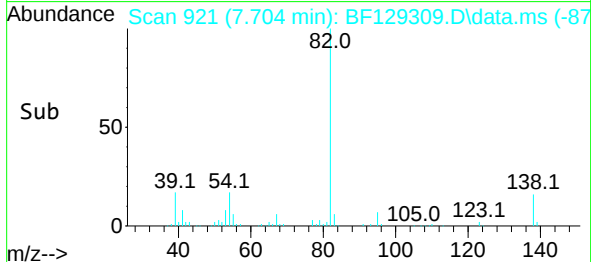
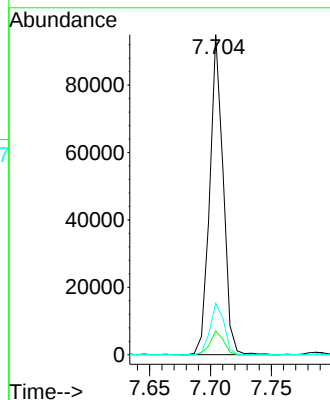
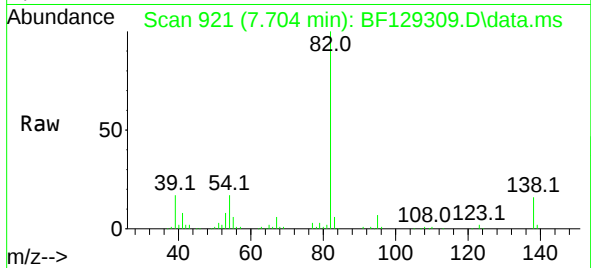
#25
Isophorone
Concen: 4.070 ng
RT: 7.704 min Scan# 91
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

Tgt Ion: 82 Resp: 72739
Ion Ratio Lower Upper
82 100
95 7.5 5.7 8.5
138 16.1 14.2 21.2

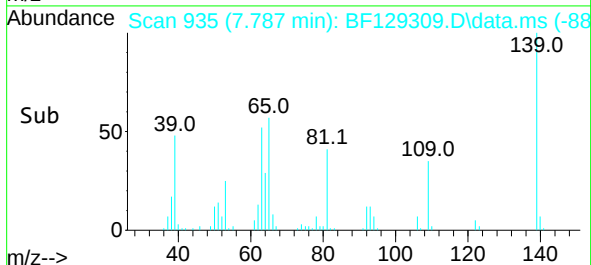
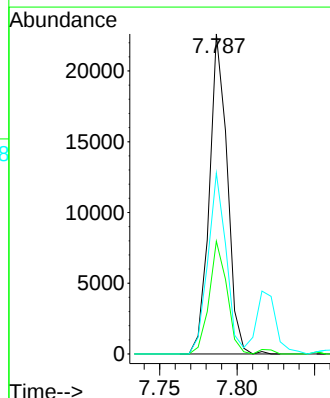
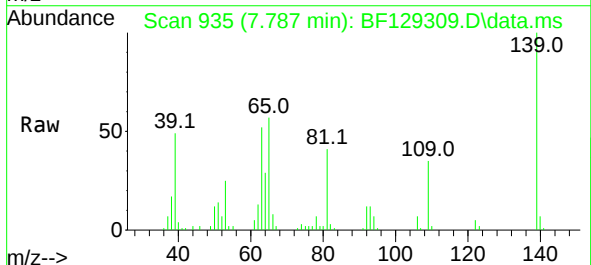
Manual Integrations
APPROVED

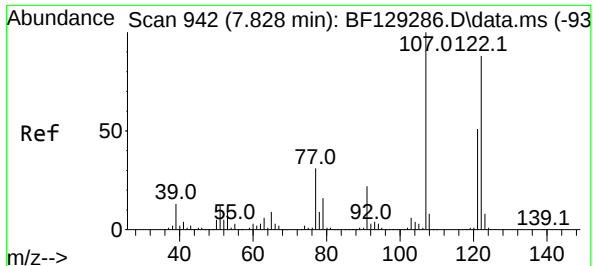
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#26
2-Nitrophenol
Concen: 3.583 ng
RT: 7.787 min Scan# 935
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Tgt Ion:139 Resp: 18125
Ion Ratio Lower Upper
139 100
109 35.3 25.0 37.4
65 56.6 45.1 67.7





#27

2,4-Dimethylphenol

Concen: 4.382 ng m

RT: 7.816 min Scan# 94

Delta R.T. -0.012 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

Instrument :

BNA_F

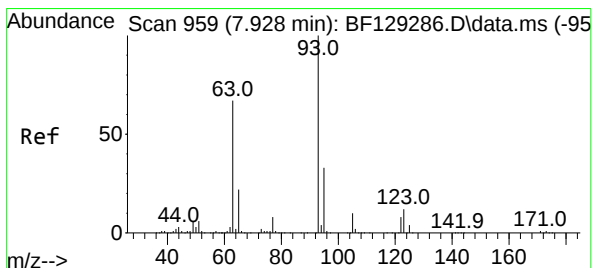
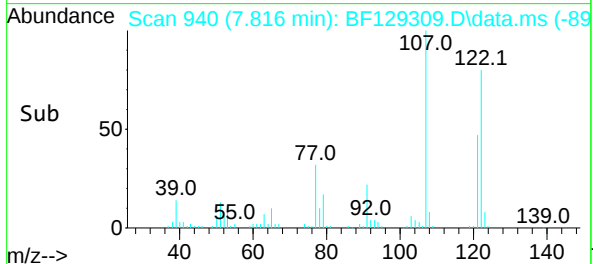
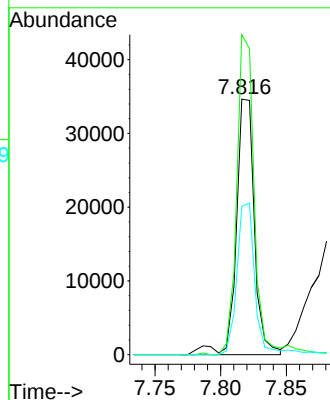
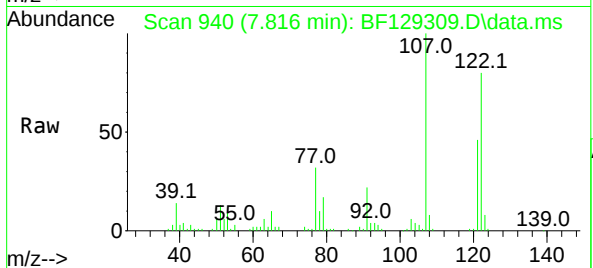
ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion:	122	Resp:	3334
Ion Ratio	Lower	Upper	
122	100		
107	125.2	93.0	139.6
121	58.1	46.6	70.0

Manual Integrations
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Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#28

bis(2-Chloroethoxy)methane

Concen: 4.250 ng

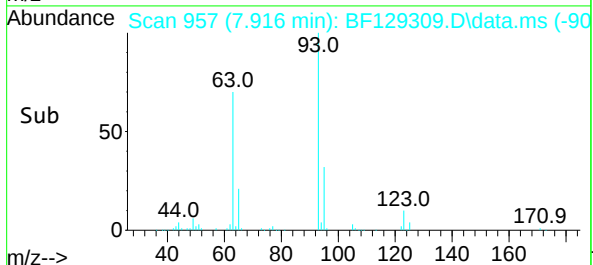
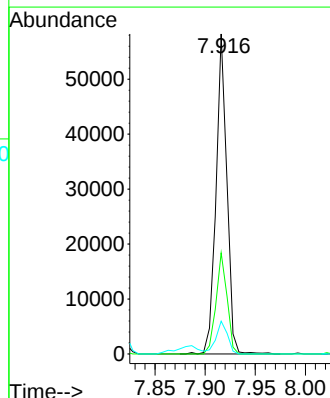
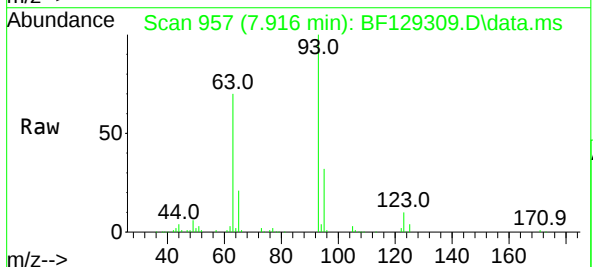
RT: 7.916 min Scan# 957

Delta R.T. -0.012 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

Tgt Ion:	93	Resp:	44000
Ion Ratio	Lower	Upper	
93	100		
95	31.6	26.8	40.2
123	10.2	9.2	13.8





#29

2,4-Dichlorophenol

Concen: 3.853 ng

RT: 8.028 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

Instrument :

BNA_F

ClientSampleId :

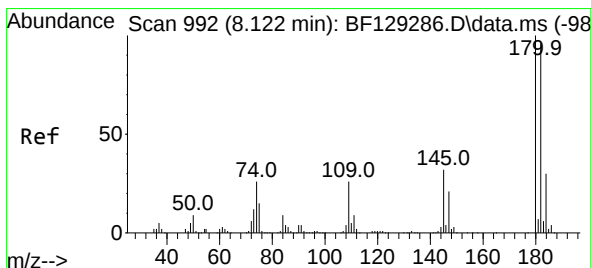
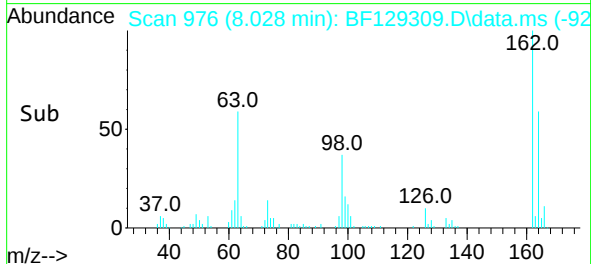
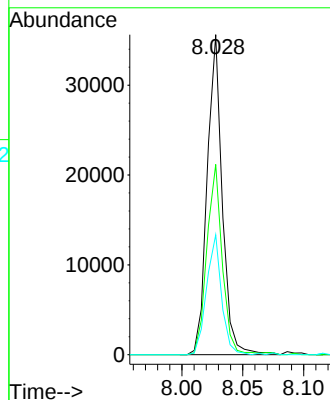
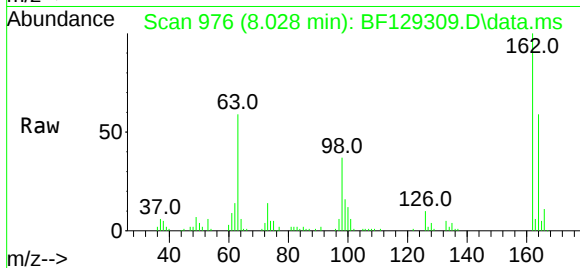
MDL-SOIL-03-QT2-2022

Tgt Ion:162 Resp: 30498
 Ion Ratio Lower Upper
 162 100
 164 59.4 44.2 84.2
 98 37.4 19.6 59.6

Manual Integrations

APPROVED

Reviewed By :Christian Giraldo 07/25/2022
 Supervised By :Jagrut Upadhyay 07/25/2022



#30

1,2,4-Trichlorobenzene

Concen: 3.947 ng

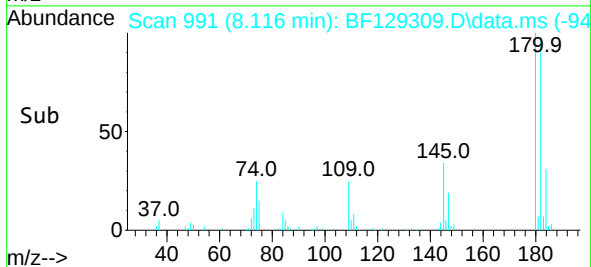
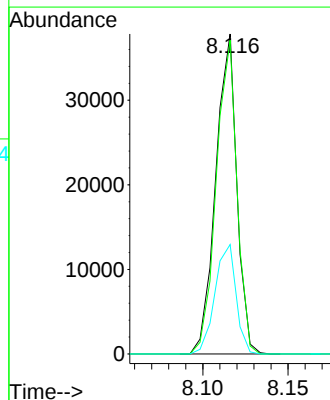
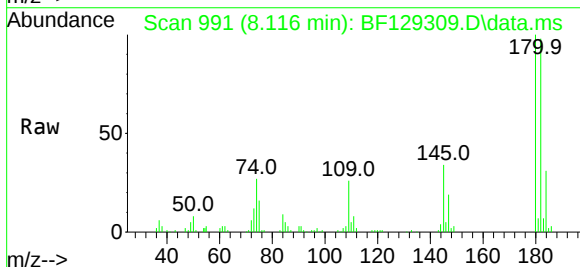
RT: 8.116 min Scan# 991

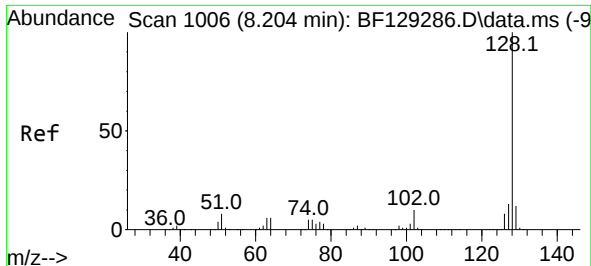
Delta R.T. -0.006 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

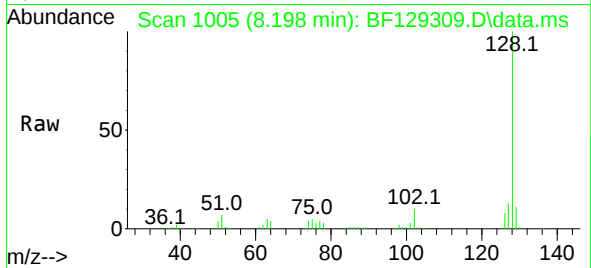
Tgt Ion:180 Resp: 32474
 Ion Ratio Lower Upper
 180 100
 182 98.1 79.2 118.8
 145 34.2 26.2 39.2





#31
Naphthalene
Concen: 3.989 ng
RT: 8.198 min Scan# 1006
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

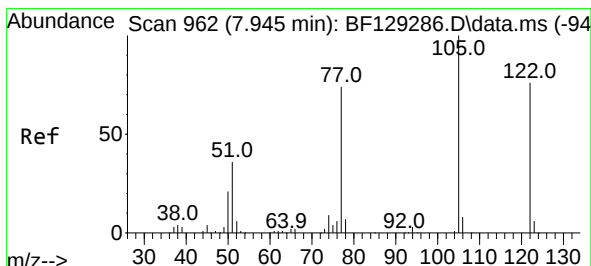
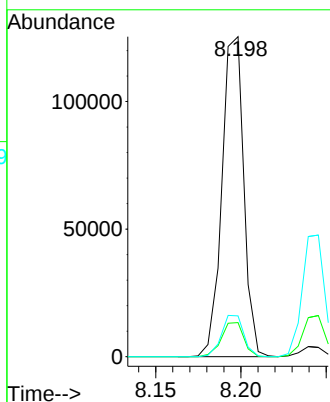
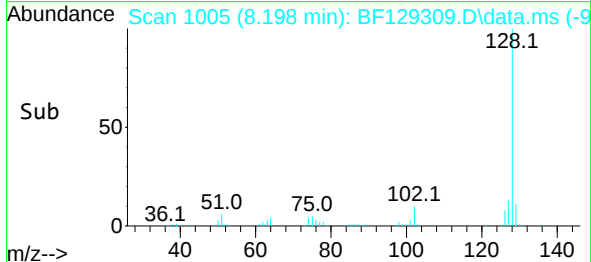
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:128 Resp: 11203
Ion Ratio Lower Upper
128 100
129 10.6 9.2 13.8
127 12.8 10.5 15.7

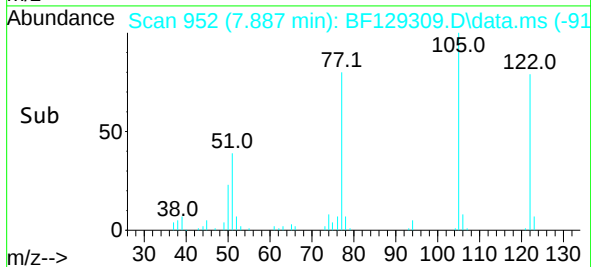
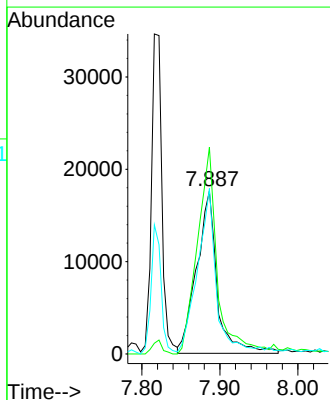
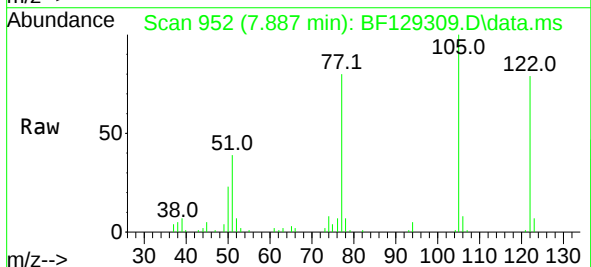
Manual Integrations
APPROVED

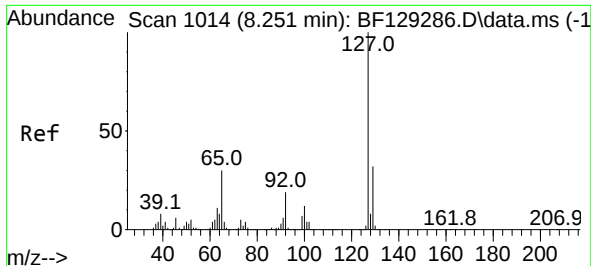
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#32
Benzoic acid
Concen: 5.812 ng m
RT: 7.887 min Scan# 952
Delta R.T. -0.059 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

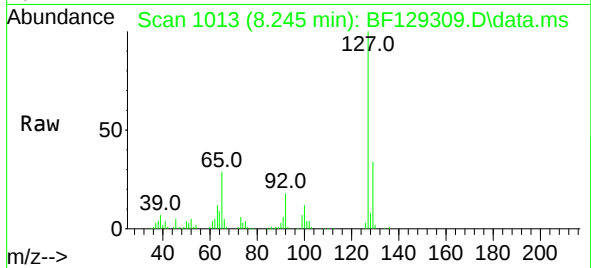
Tgt Ion:122 Resp: 32328
Ion Ratio Lower Upper
122 100
105 126.9 107.1 147.1
77 101.5 74.2 114.2





#33
4-Chloroaniline
Concen: 3.941 ng
RT: 8.245 min Scan# 1013
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

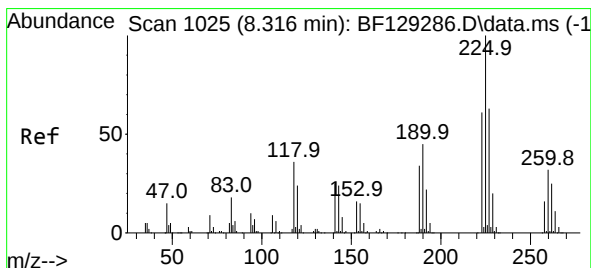
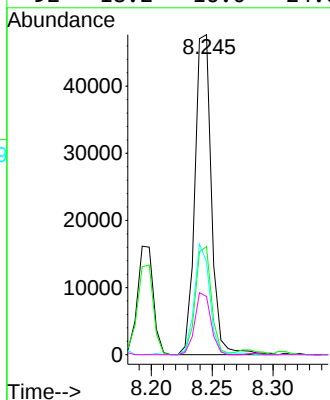
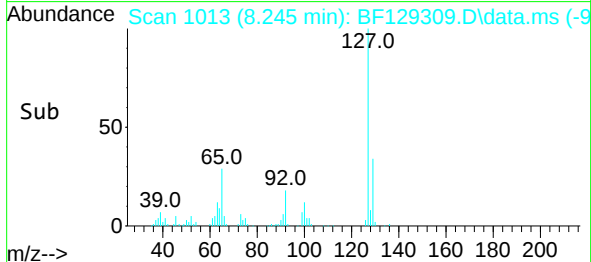
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:127 Resp: 45148
Ion Ratio Lower Upper
127 100
129 33.8 26.4 39.6
65 28.9 26.4 39.6
92 18.2 16.0 24.0

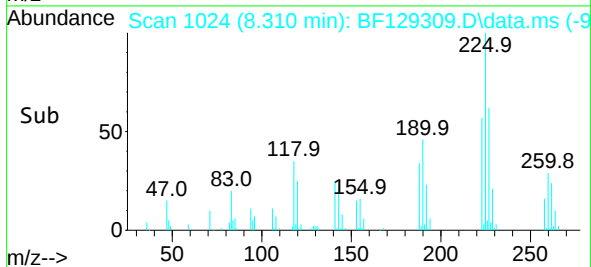
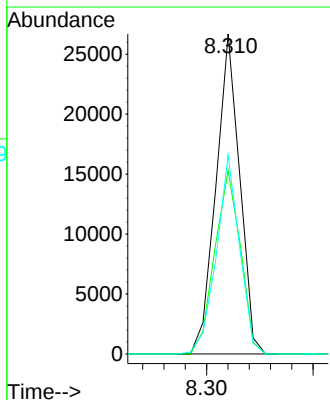
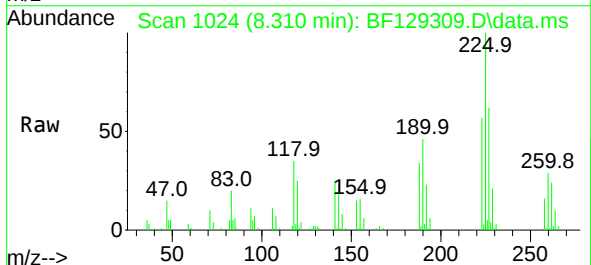
Manual Integrations
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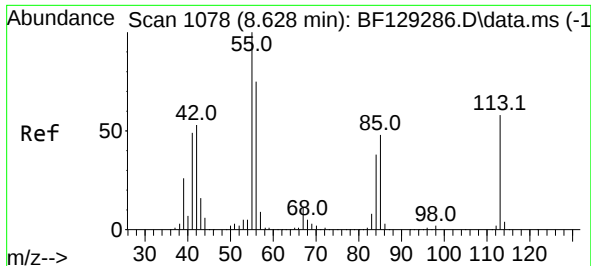
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#34
Hexachlorobutadiene
Concen: 4.377 ng
RT: 8.310 min Scan# 1024
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Tgt Ion:225 Resp: 20582
Ion Ratio Lower Upper
225 100
223 57.3 51.0 76.6
227 62.2 51.1 76.7





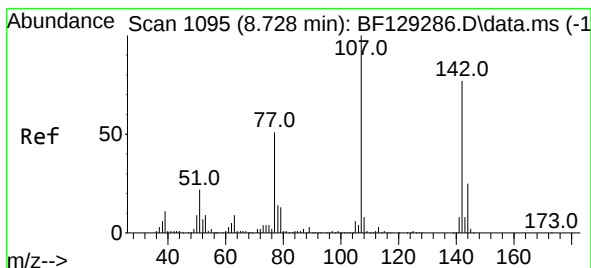
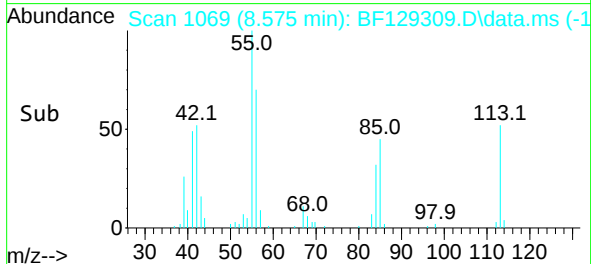
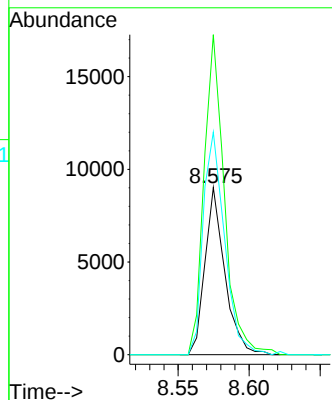
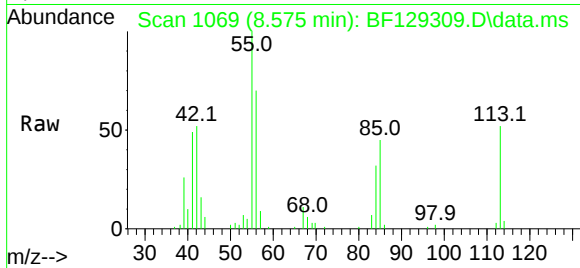
#35
Caprolactam
Concen: 3.500 ng
RT: 8.575 min Scan# 1069
Delta R.T. -0.053 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

Tgt Ion:113 Resp: 883
Ion Ratio Lower Upper
113 100
55 191.3 188.5 228.5
56 133.1 130.6 170.6

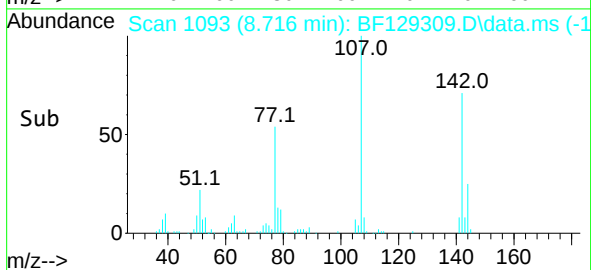
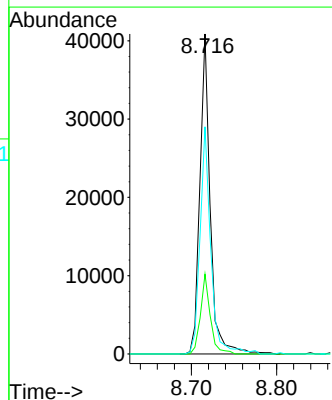
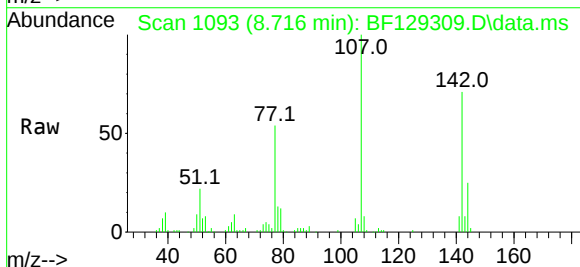
Manual Integrations
APPROVED

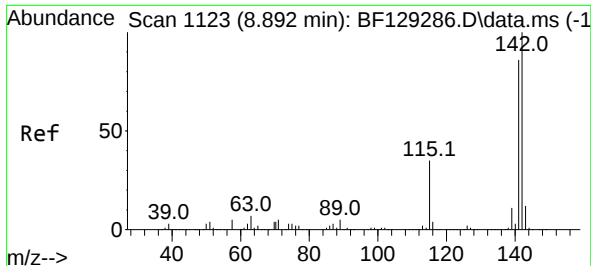
Reviewed By :Christian Giraldo 07/25/2022
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#36
4-Chloro-3-methylphenol
Concen: 4.108 ng
RT: 8.716 min Scan# 1093
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Tgt Ion:107 Resp: 34543
Ion Ratio Lower Upper
107 100
144 24.9 19.5 29.3
142 71.0 58.2 87.4





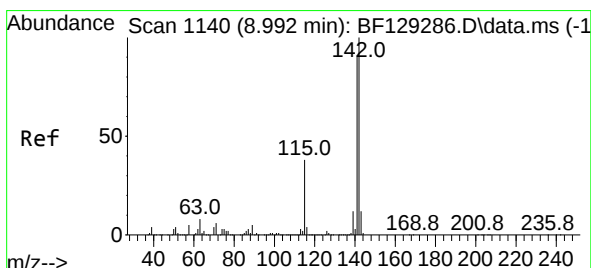
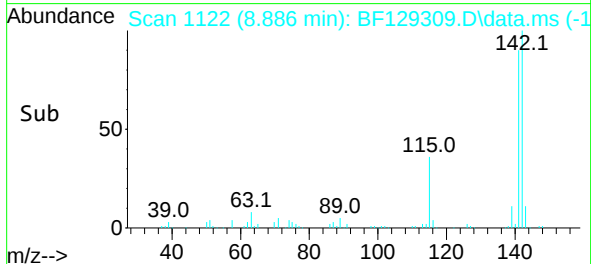
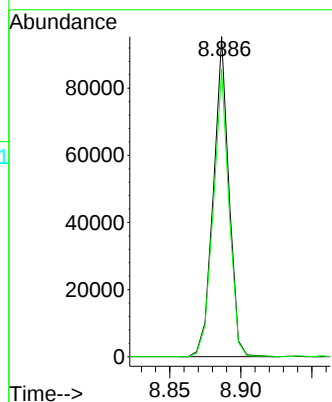
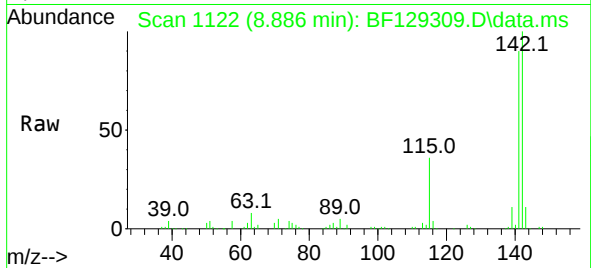
#37
2-Methylnaphthalene
Concen: 3.983 ng
RT: 8.886 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

Tgt Ion:142 Resp: 7249
Ion Ratio Lower Upper
142 100
141 89.9 71.0 106.4

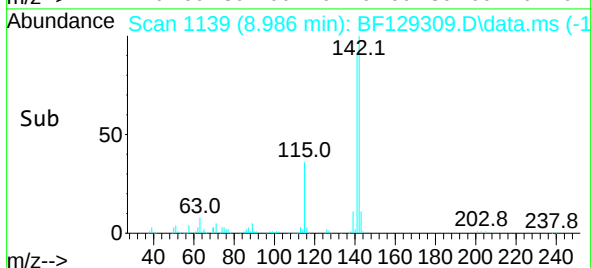
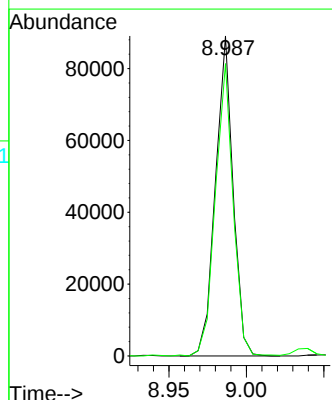
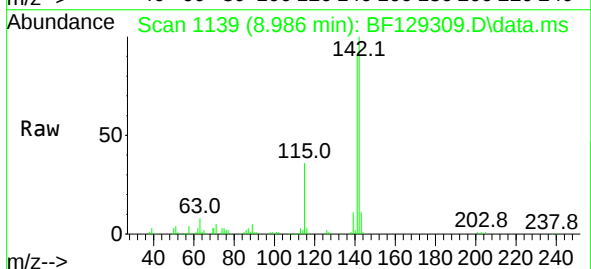
Manual Integrations
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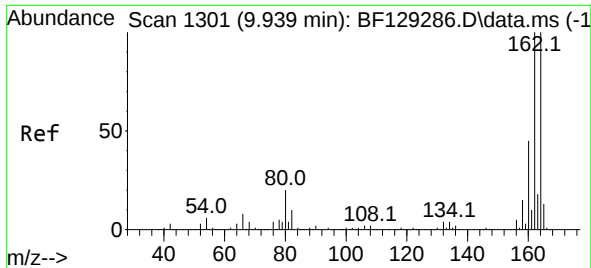
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#38
1-Methylnaphthalene
Concen: 3.993 ng
RT: 8.986 min Scan# 1139
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

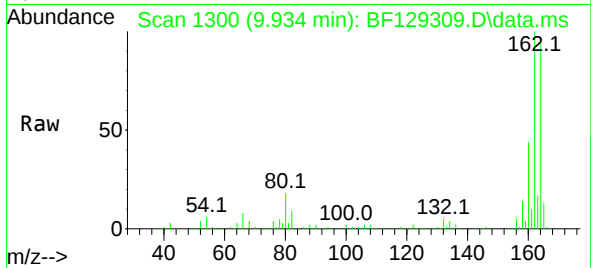
Tgt Ion:142 Resp: 70312
Ion Ratio Lower Upper
142 100
141 91.3 74.2 111.4





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.934 min Scan# 1100
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

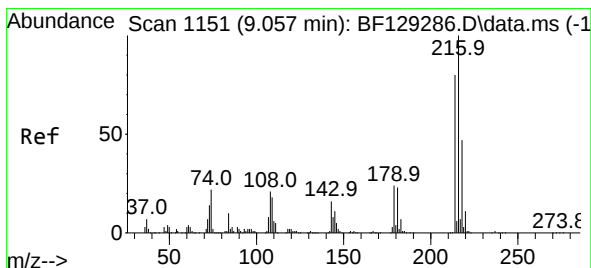
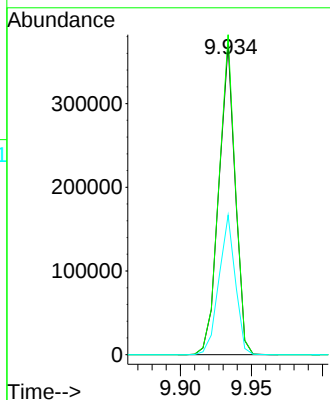
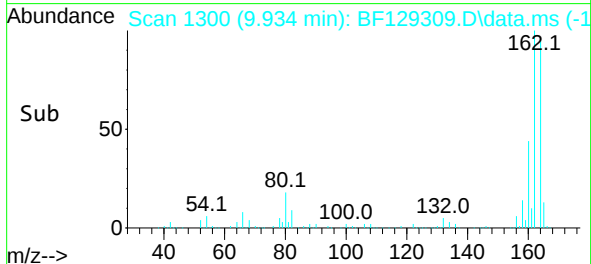
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



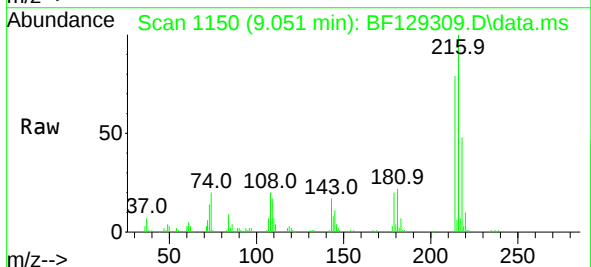
Tgt Ion:164 Resp: 297940
Ion Ratio Lower Upper
164 100
162 102.9 79.5 119.3
160 44.9 34.2 51.4

Manual Integrations
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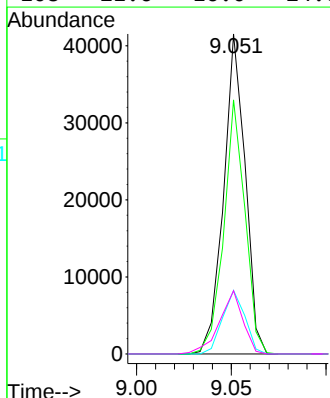
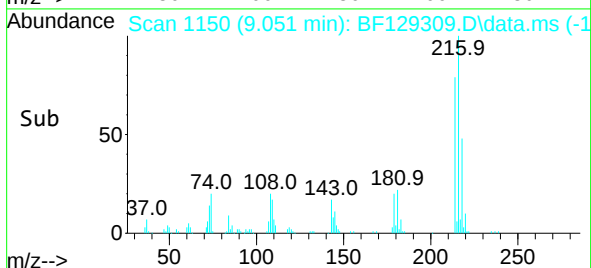
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#40
1,2,4,5-Tetrachlorobenzene
Concen: 4.194 ng
RT: 9.051 min Scan# 1150
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24



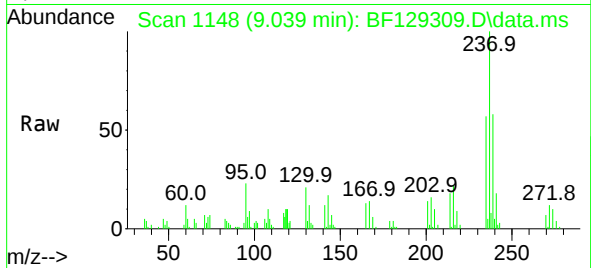
Tgt Ion:216 Resp: 32804
Ion Ratio Lower Upper
216 100
214 78.1 63.6 95.4
179 20.8 17.0 25.6
108 21.6 16.0 24.0





#41
Hexachlorocyclopentadiene
Concen: 3.757 ng
RT: 9.039 min Scan# 1149
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

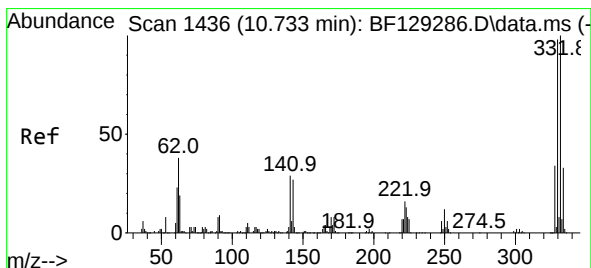
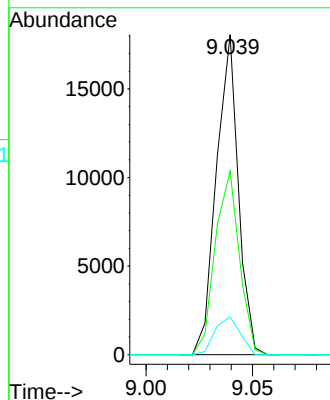
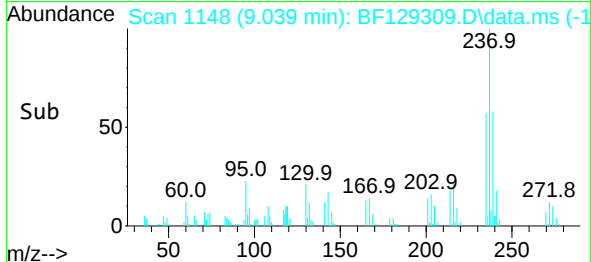
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



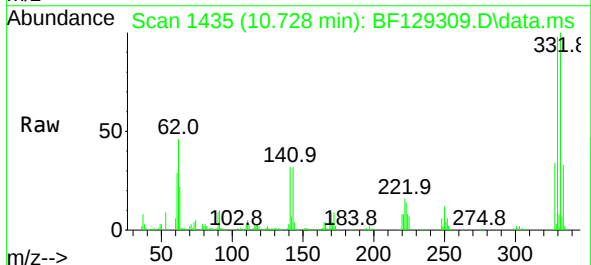
Tgt Ion:237 Resp: 12952
Ion Ratio Lower Upper
237 100
235 57.3 43.2 83.2
272 11.8 0.0 31.9

Manual Integrations
APPROVED

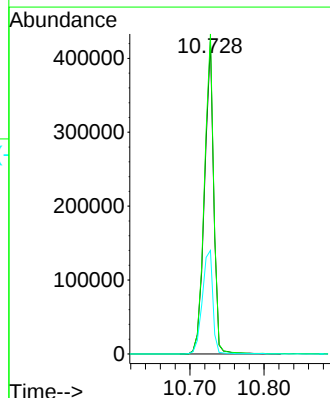
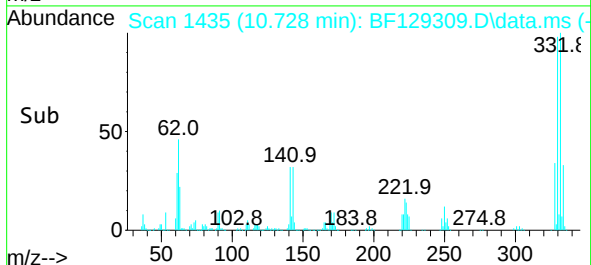
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

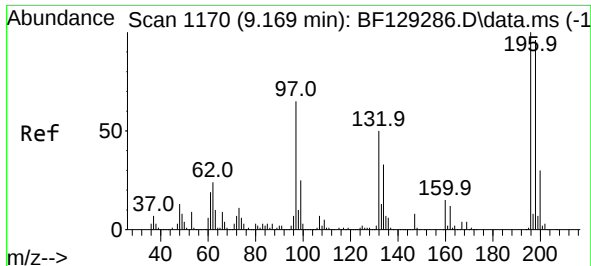


#42
2,4,6-Tribromophenol
Concen: 127.529 ng
RT: 10.728 min Scan# 1435
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24



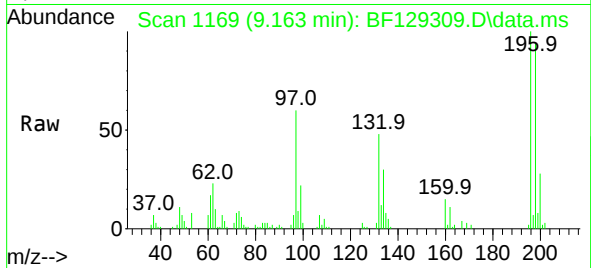
Tgt Ion:330 Resp: 366591
Ion Ratio Lower Upper
330 100
332 102.9 76.8 115.2
141 37.5 28.0 42.0





#43
2,4,6-Trichlorophenol
Concen: 3.725 ng
RT: 9.163 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

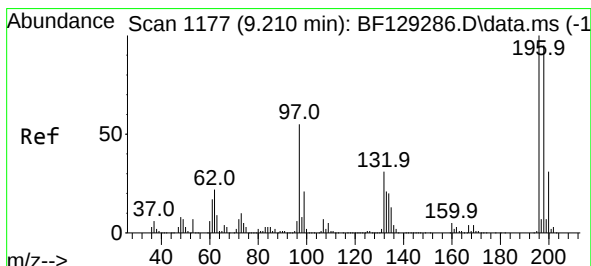
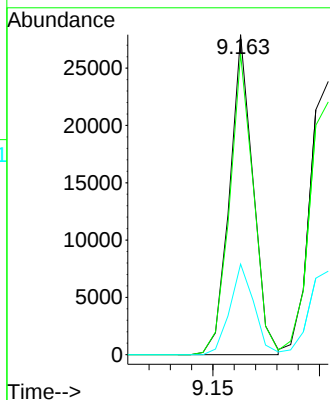
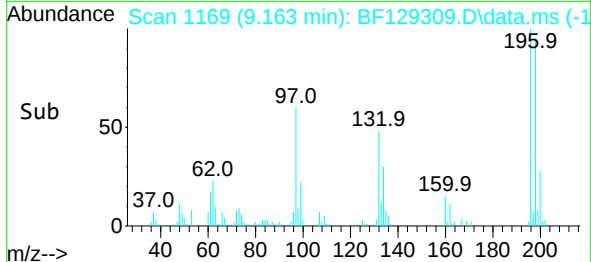
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



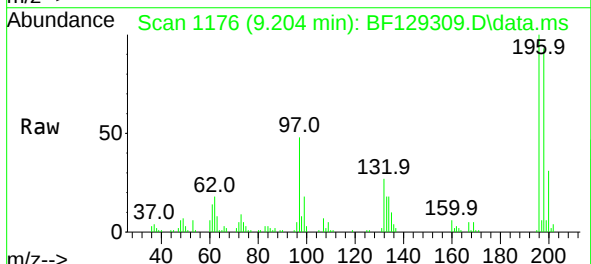
Tgt Ion:196 Resp: 2129
Ion Ratio Lower Upper
196 100
198 94.0 74.0 111.0
200 28.3 24.1 36.1

Manual Integrations
APPROVED

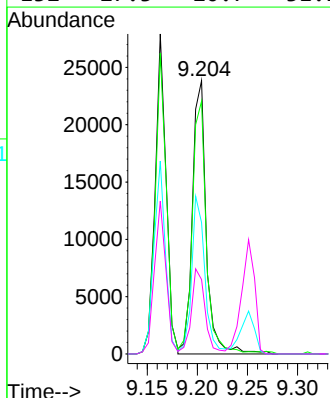
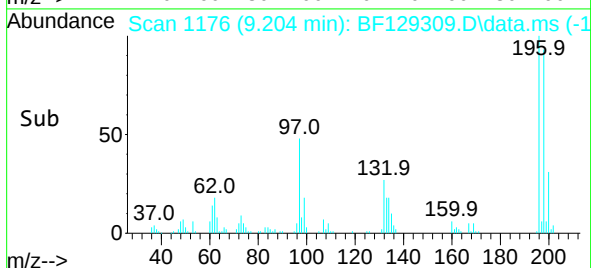
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

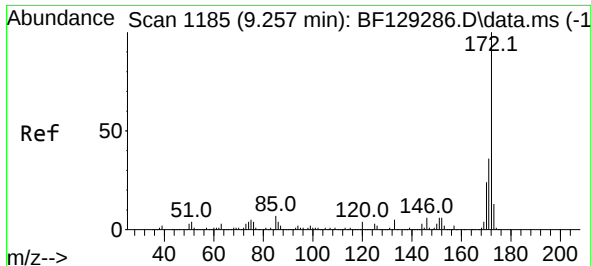


#44
2,4,5-Trichlorophenol
Concen: 3.684 ng
RT: 9.204 min Scan# 1176
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24



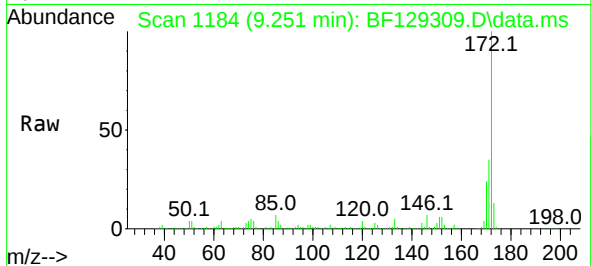
Tgt Ion:196 Resp: 22846
Ion Ratio Lower Upper
196 100
198 92.6 75.7 113.5
97 48.1 36.4 54.6
132 27.3 20.7 31.1





#45
2-Fluorobiphenyl
Concen: 85.081 ng
RT: 9.251 min Scan# 1185
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

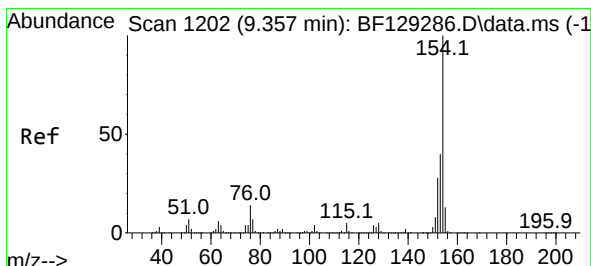
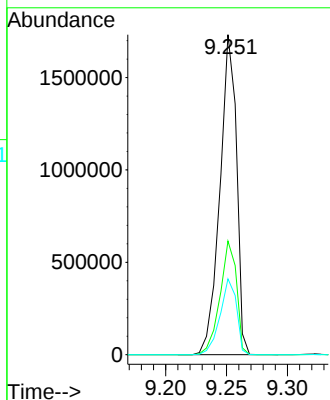
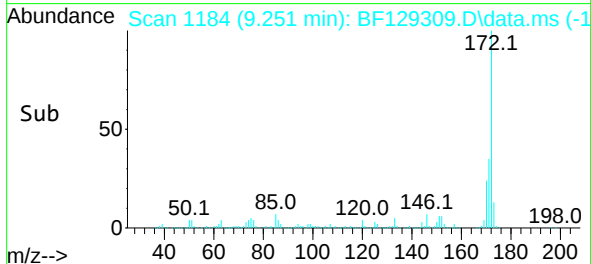
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:172 Resp: 1647824
Ion Ratio Lower Upper
172 100
171 35.5 28.8 43.2
170 23.7 19.8 29.8

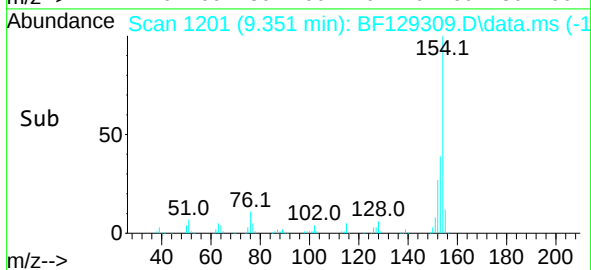
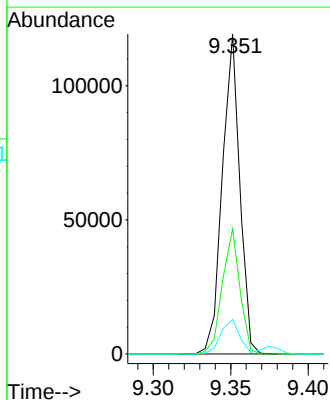
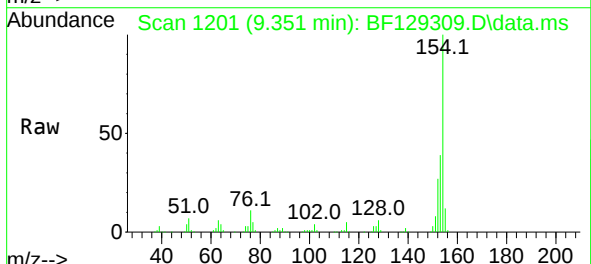
Manual Integrations
APPROVED

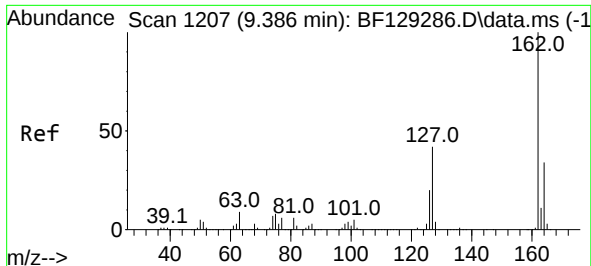
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#46
1,1'-Biphenyl
Concen: 4.246 ng
RT: 9.351 min Scan# 1201
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

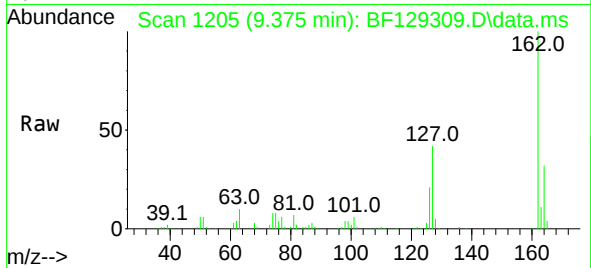
Tgt Ion:154 Resp: 93488
Ion Ratio Lower Upper
154 100
153 39.1 20.6 60.6
76 10.8 0.0 33.3





#47
2-Chloronaphthalene
Concen: 3.906 ng
RT: 9.375 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

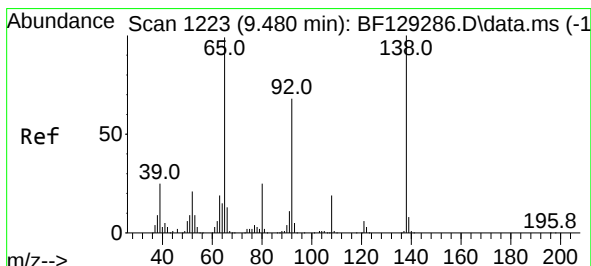
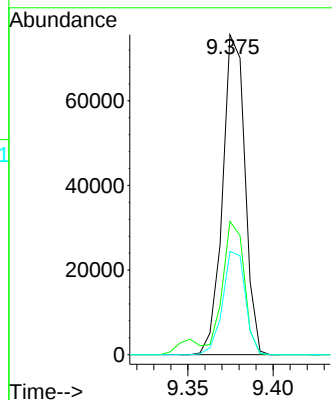
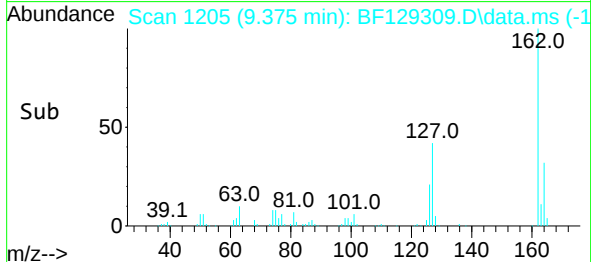
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:162 Resp: 68870
Ion Ratio Lower Upper
162 100
127 41.7 34.5 51.7
164 32.2 26.5 39.7

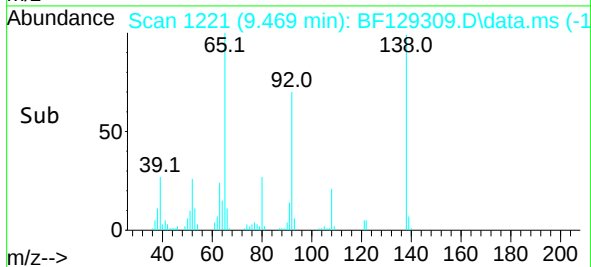
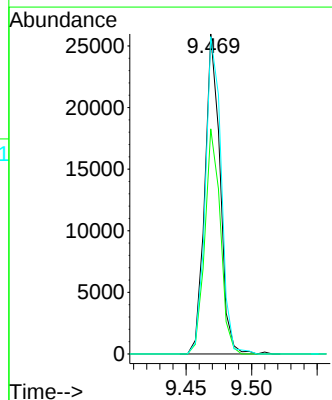
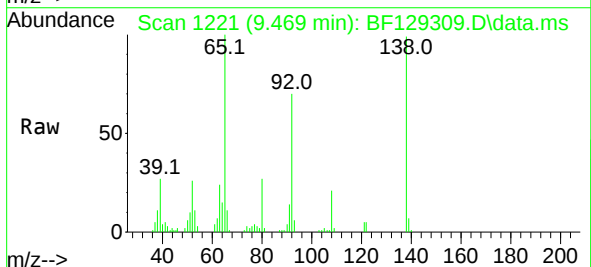
Manual Integrations
APPROVED

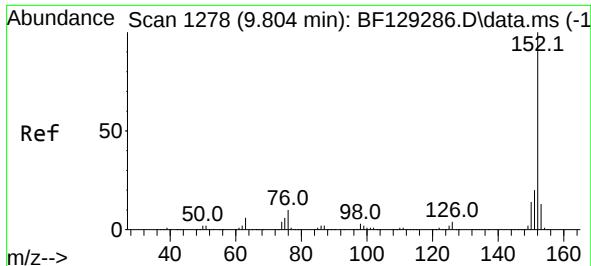
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#48
2-Nitroaniline
Concen: 3.548 ng
RT: 9.469 min Scan# 1221
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Tgt Ion: 65 Resp: 21016
Ion Ratio Lower Upper
65 100
92 70.3 51.9 77.9
138 99.1 76.4 114.6





#49

Acenaphthylene

Concen: 4.207 ng

RT: 9.792 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF129309.D

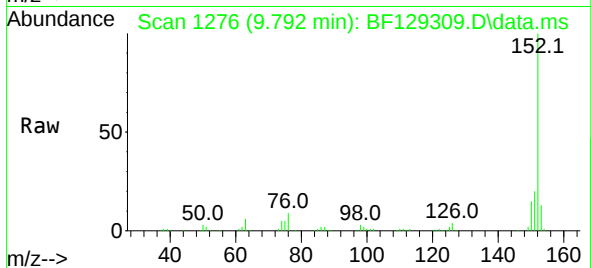
Acq: 22 Jul 2022 11:24

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2022

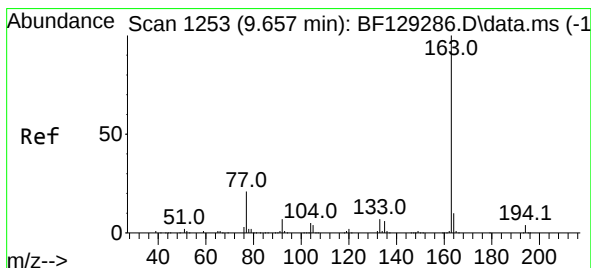
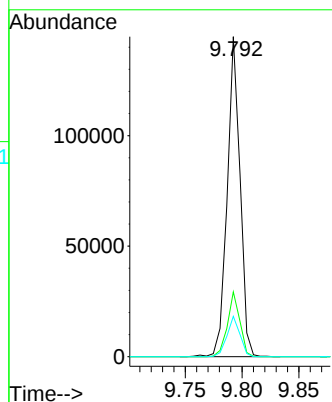


Tgt Ion:152 Resp: 113944

Ion	Ratio	Lower	Upper
152	100		
151	20.3	16.2	24.4
153	12.6	10.7	16.1

Manual Integrations
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Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#50

Dimethylphthalate

Concen: 3.979 ng

RT: 9.645 min Scan# 1251

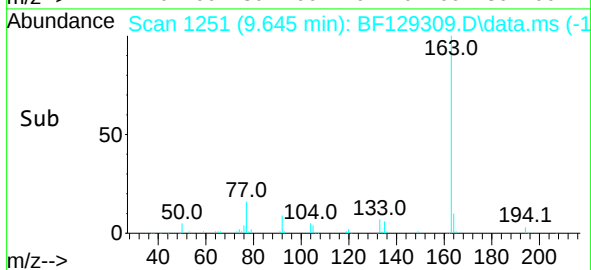
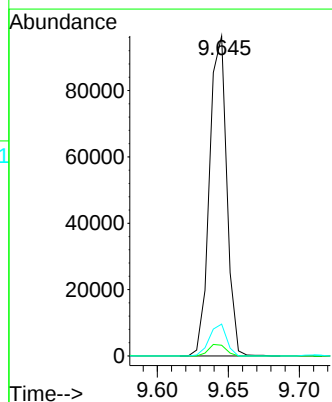
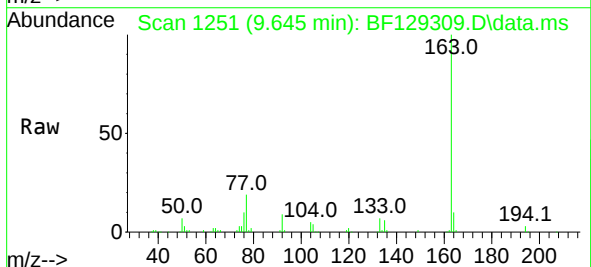
Delta R.T. -0.012 min

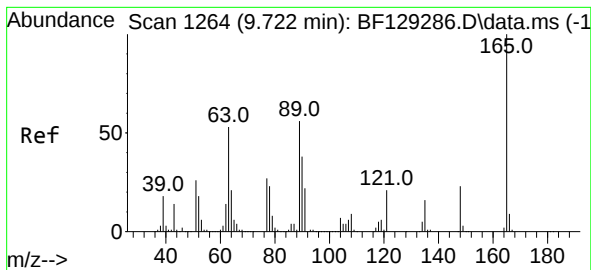
Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

Tgt Ion:163 Resp: 81450

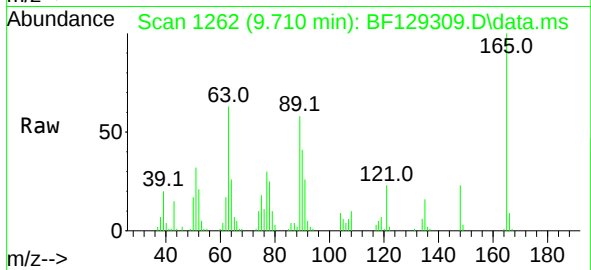
Ion	Ratio	Lower	Upper
163	100		
194	3.4	3.2	4.8
164	9.9	8.2	12.2





#51
2,6-Dinitrotoluene
Concen: 3.761 ng
RT: 9.710 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

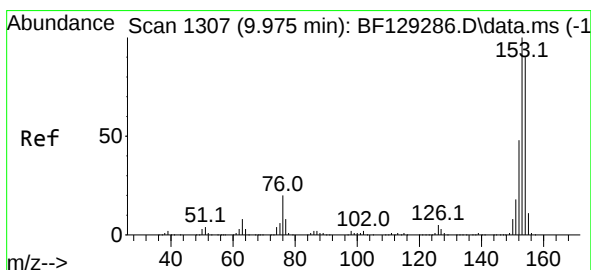
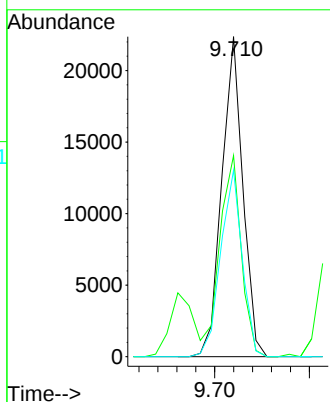
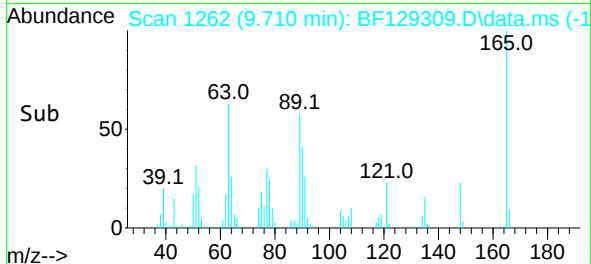
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:165 Resp: 1723
Ion Ratio Lower Upper
165 100
63 62.9 44.9 67.3
89 58.3 43.6 65.4

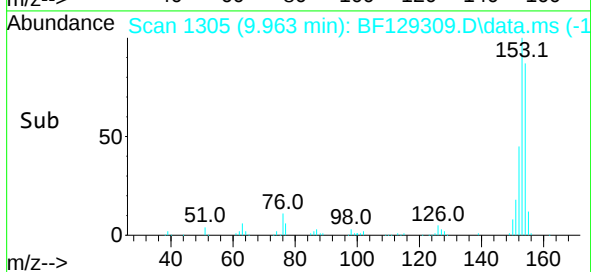
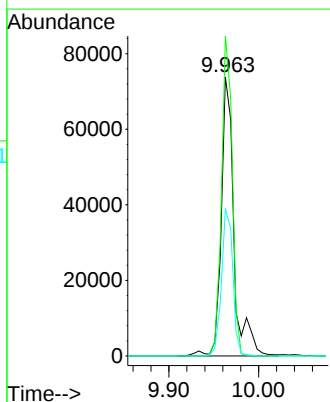
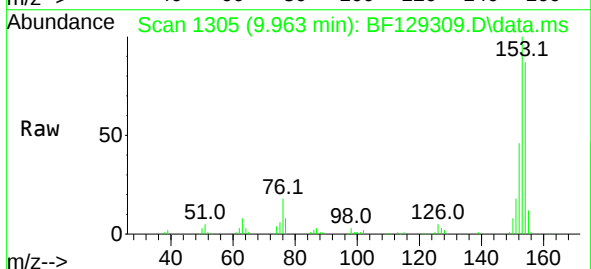
Manual Integrations
APPROVED

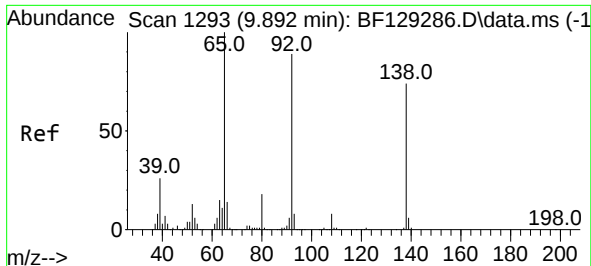
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#52
Acenaphthene
Concen: 4.123 ng
RT: 9.963 min Scan# 1305
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

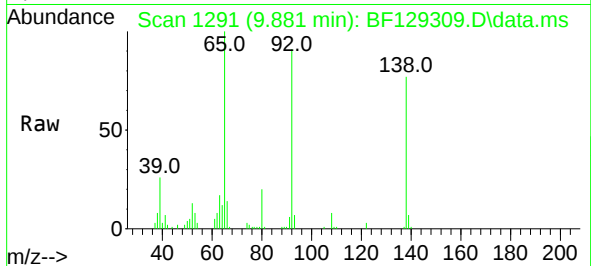
Tgt Ion:154 Resp: 72469
Ion Ratio Lower Upper
154 100
153 114.8 89.6 134.4
152 52.7 42.4 63.6





#53
3-Nitroaniline
Concen: 3.528 ng
RT: 9.881 min Scan# 1109
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

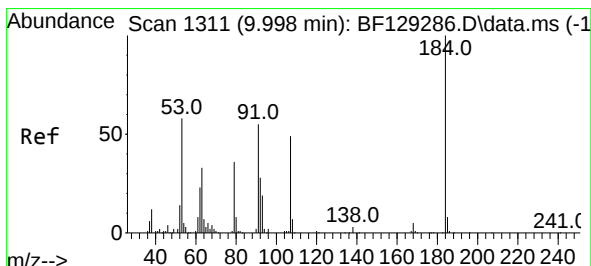
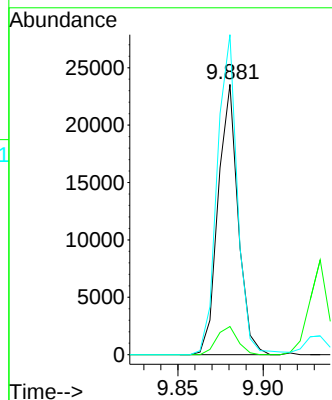
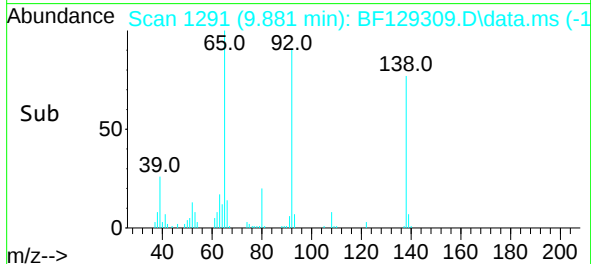
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



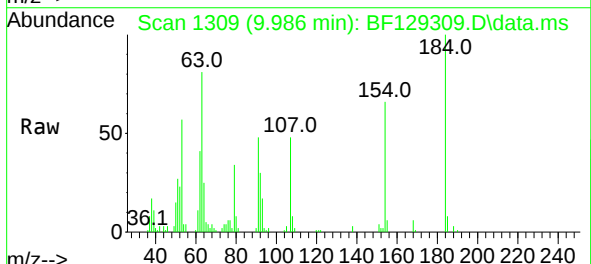
Tgt Ion:138 Resp: 19238
Ion Ratio Lower Upper
138 100
108 10.4 10.9 16.3
92 118.4 98.2 147.2

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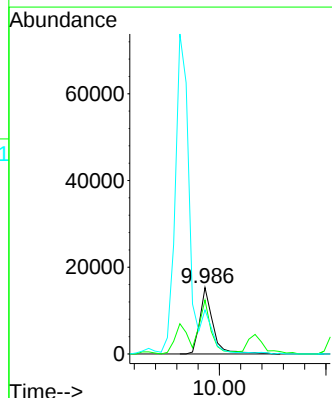
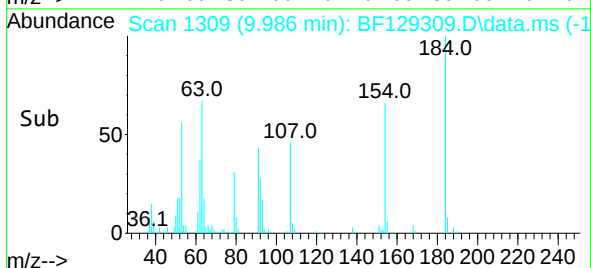
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

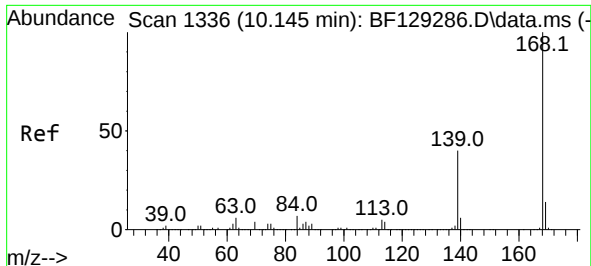


#54
2,4-Dinitrophenol
Concen: 5.627 ng
RT: 9.986 min Scan# 1309
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24



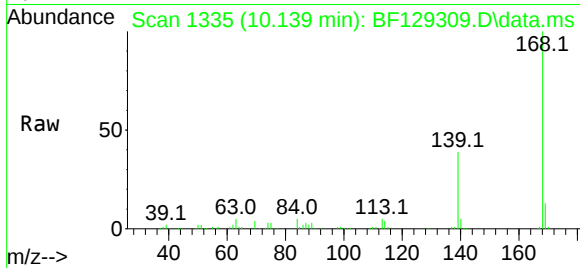
Tgt Ion:184 Resp: 13051
Ion Ratio Lower Upper
184 100
63 81.3 64.5 96.7
154 66.2 50.6 75.8





#55
Dibenzofuran
Concen: 4.168 ng
RT: 10.139 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

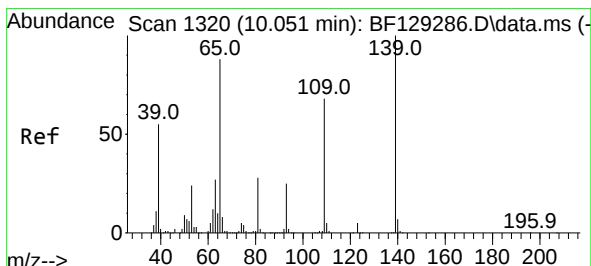
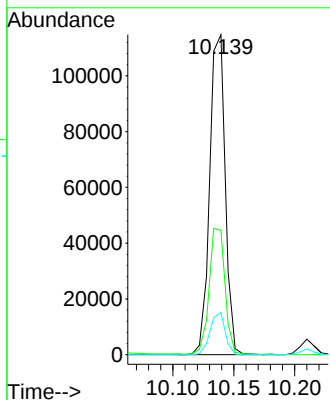
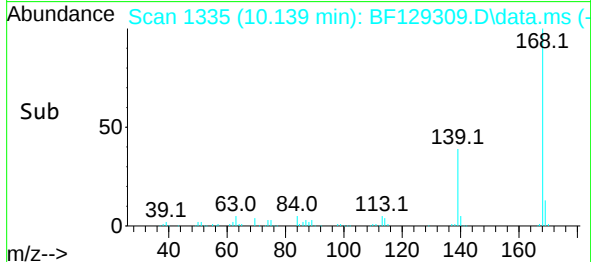
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:168 Resp: 101809
Ion Ratio Lower Upper
168 100
139 38.9 30.6 46.0
169 13.1 11.0 16.6

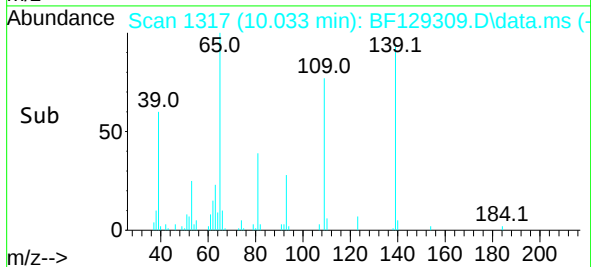
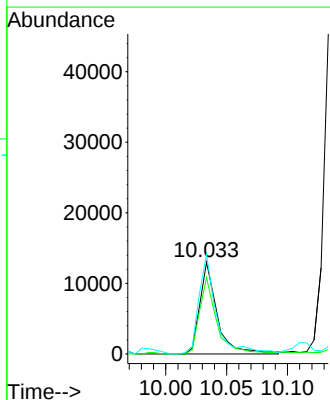
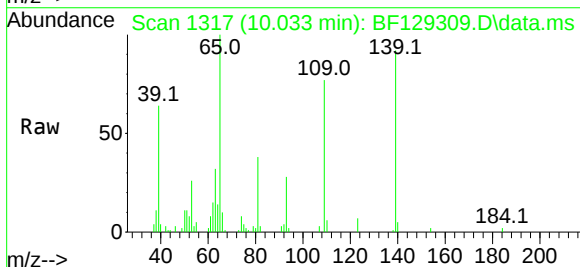
Manual Integrations
APPROVED

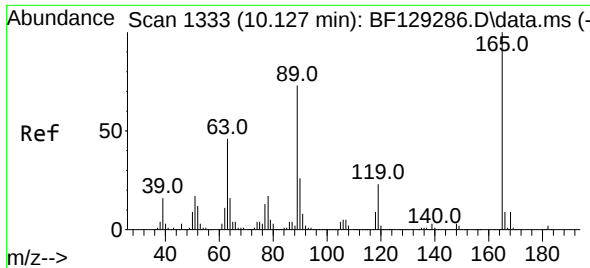
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#56
4-Nitrophenol
Concen: 3.248 ng
RT: 10.033 min Scan# 1317
Delta R.T. -0.017 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

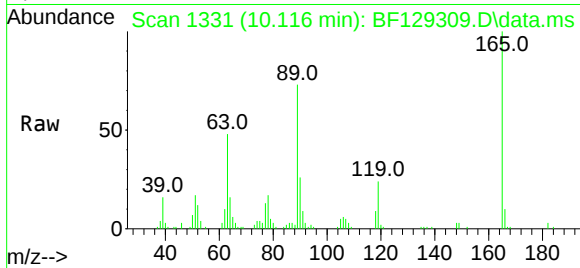
Tgt Ion:139 Resp: 12937
Ion Ratio Lower Upper
139 100
109 83.2 50.7 90.7
65 108.8 74.5 114.5





#57
2,4-Dinitrotoluene
Concen: 3.702 ng
RT: 10.116 min Scan# 1331
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

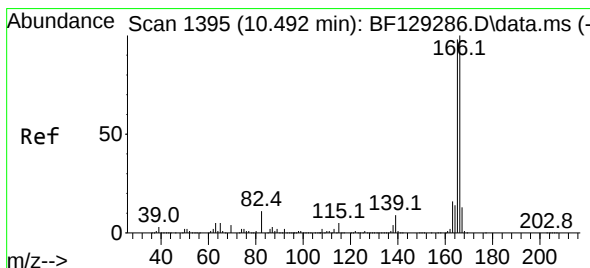
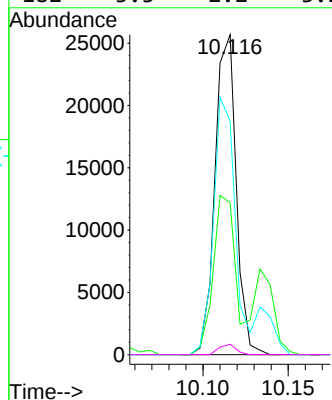
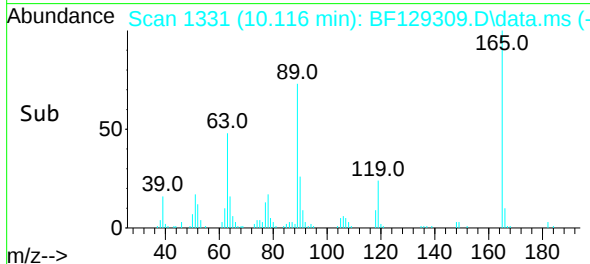
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:165 Resp: 22240
Ion Ratio Lower Upper
165 100
63 47.5 39.8 59.6
89 72.9 60.2 90.2
182 3.3 2.2 3.2#

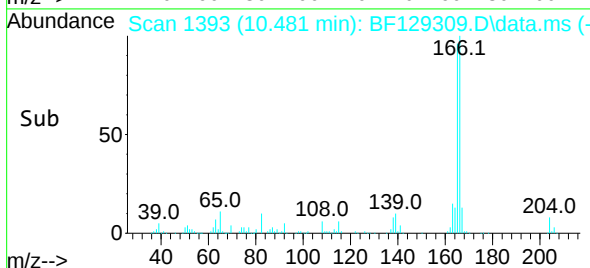
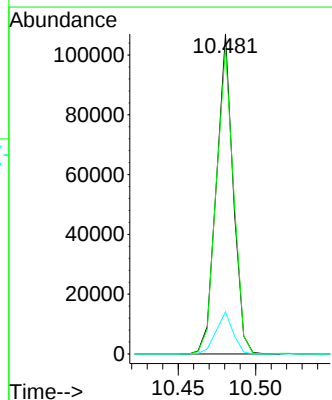
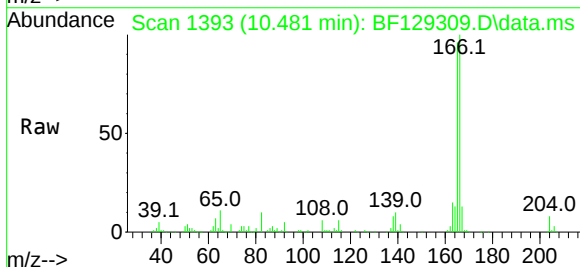
Manual Integrations
APPROVED

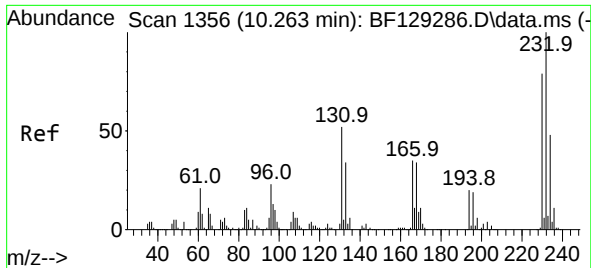
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#58
Fluorene
Concen: 4.123 ng
RT: 10.481 min Scan# 1393
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

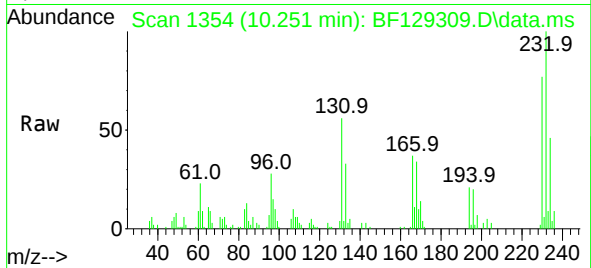
Tgt Ion:166 Resp: 80378
Ion Ratio Lower Upper
166 100
165 95.9 78.1 117.1
167 13.1 10.5 15.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 3.386 ng
RT: 10.251 min Scan# 1354
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

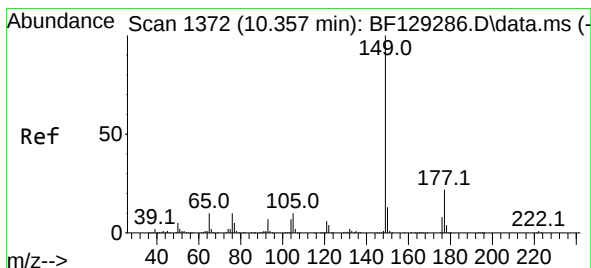
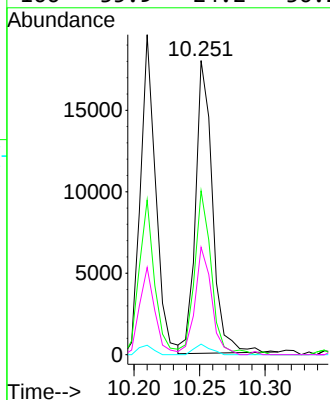
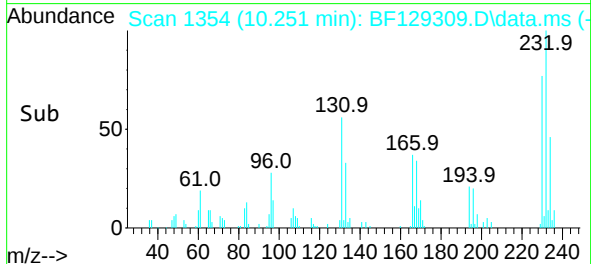
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:232 Resp: 16180
Ion Ratio Lower Upper
232 100
131 55.1 36.1 54.1
130 3.5 1.8 2.8
166 35.9 24.2 36.2

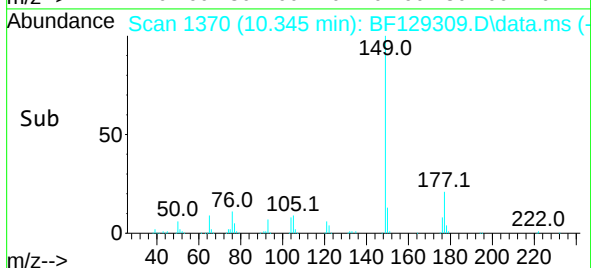
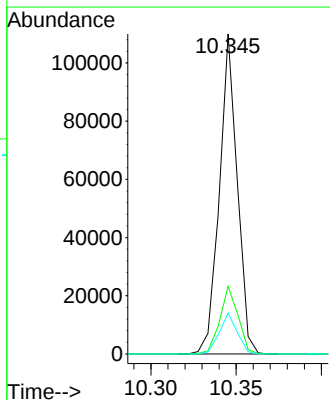
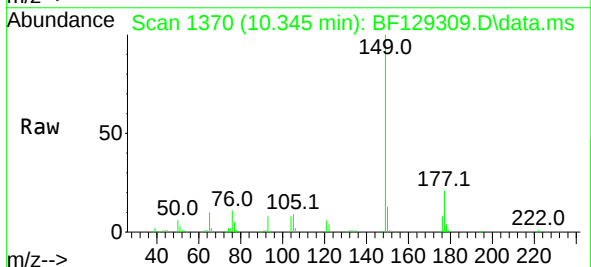
Manual Integrations
APPROVED

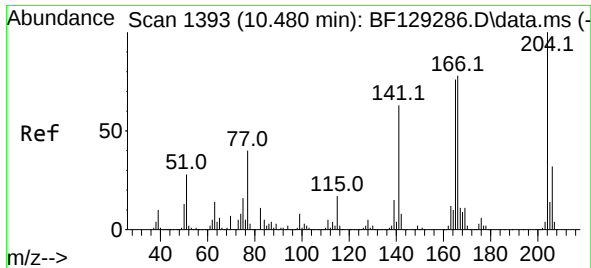
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#60
Diethylphthalate
Concen: 4.070 ng
RT: 10.345 min Scan# 1370
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

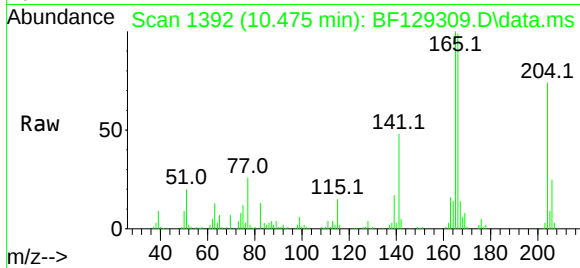
Tgt Ion:149 Resp: 80162
Ion Ratio Lower Upper
149 100
177 21.2 17.3 25.9
150 12.8 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 4.285 ng
RT: 10.475 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

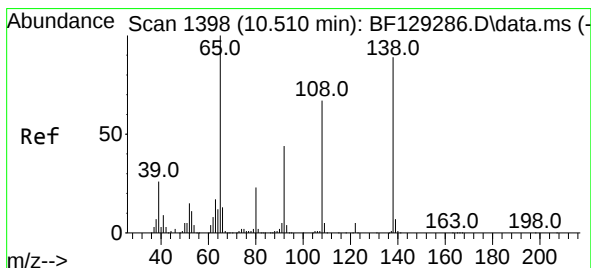
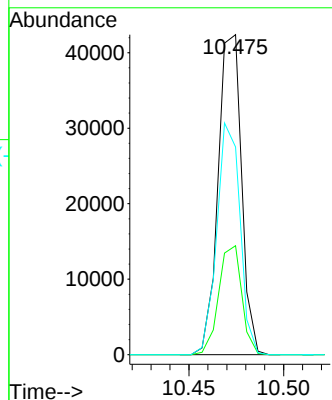
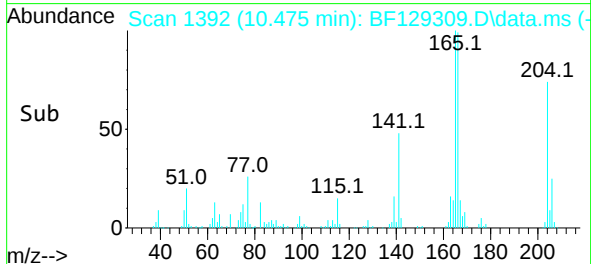
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



Tgt Ion:204 Resp: 3654
Ion Ratio Lower Upper
204 100
206 34.1 25.8 38.6
141 64.9 47.0 70.4

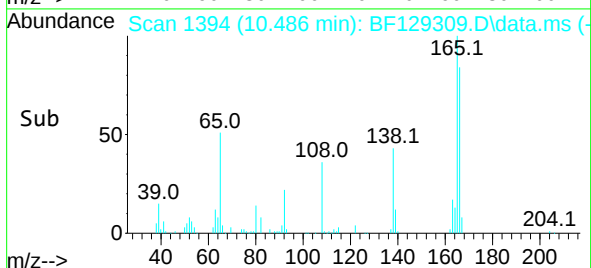
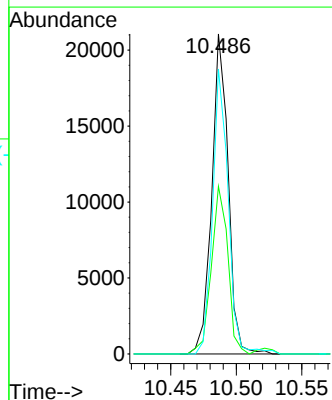
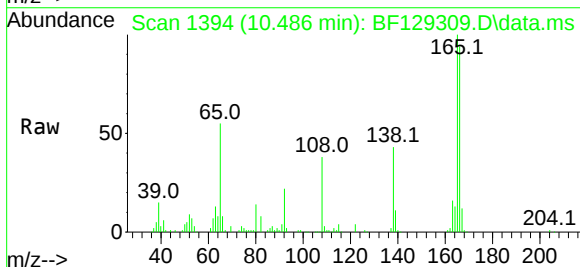
Manual Integrations
APPROVED

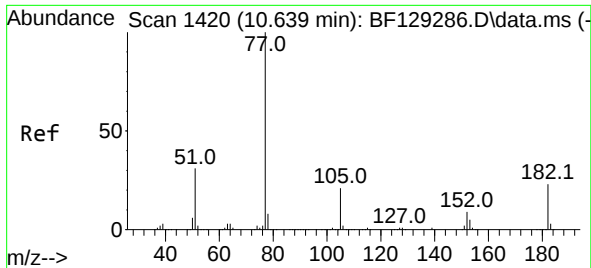
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#62
4-Nitroaniline
Concen: 3.396 ng
RT: 10.486 min Scan# 1394
Delta R.T. -0.023 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

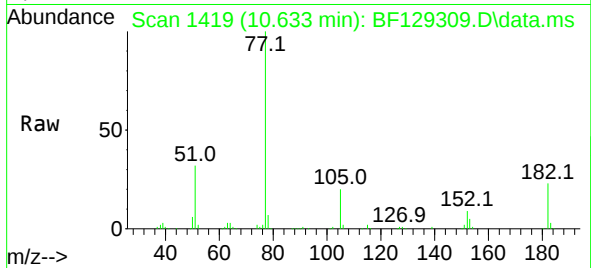
Tgt Ion:138 Resp: 18295
Ion Ratio Lower Upper
138 100
92 52.4 33.5 73.5
108 89.1 61.0 101.0





#63
Azobenzene
Concen: 3.956 ng
RT: 10.633 min Scan# 1419
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

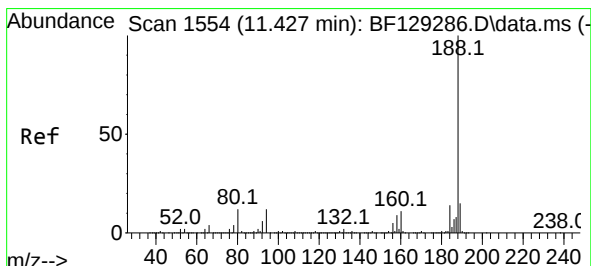
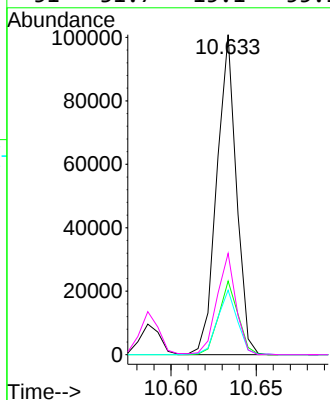
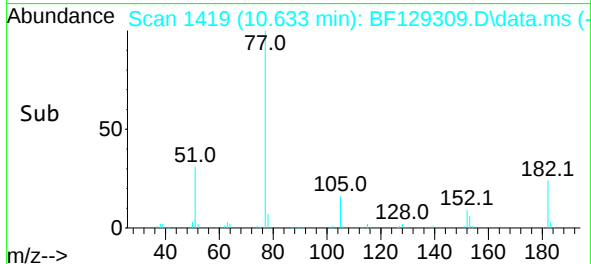
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



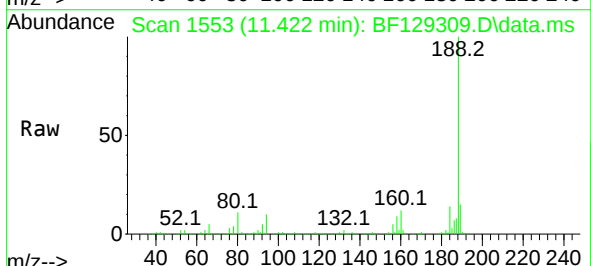
Tgt Ion: 77 Resp: 80614
Ion Ratio Lower Upper
77 100
182 23.0 5.6 45.6
105 20.1 1.6 41.6
51 31.7 15.1 55.1

Manual Integrations
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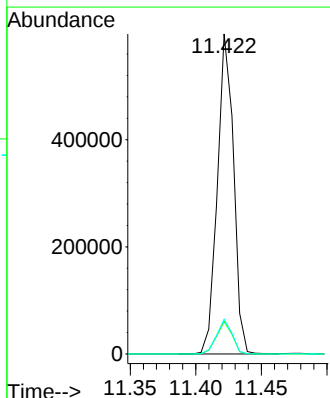
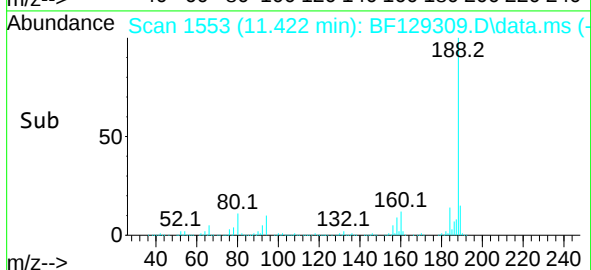
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

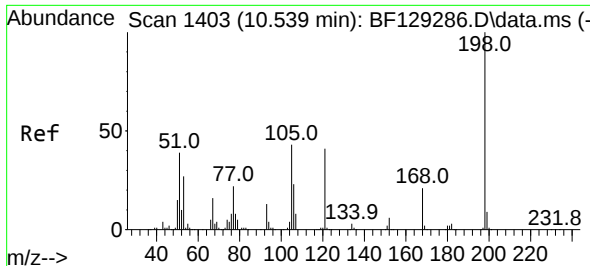


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.422 min Scan# 1553
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24



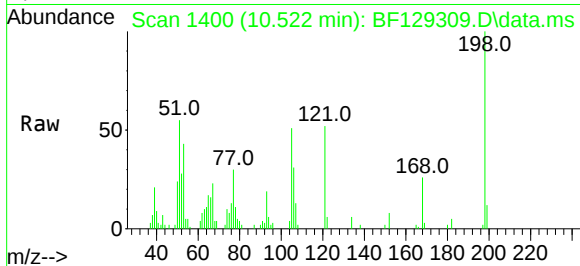
Tgt Ion:188 Resp: 512225
Ion Ratio Lower Upper
188 100
94 10.2 7.0 10.6
80 10.9 7.6 11.4





#65
4,6-Dinitro-2-methylphenol
Concen: 2.848 ng
RT: 10.522 min Scan# 1410
Delta R.T. -0.018 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

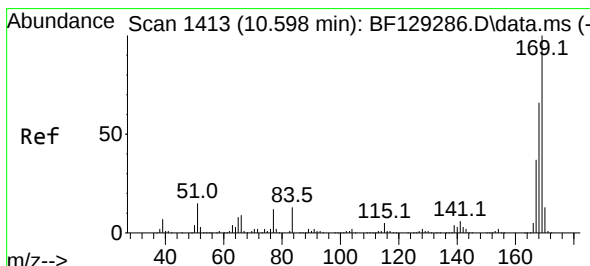
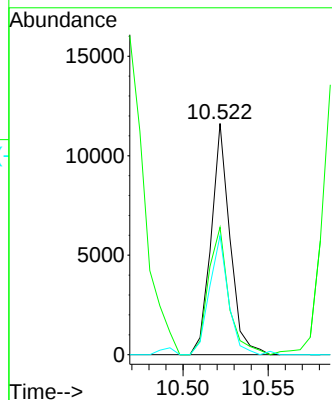
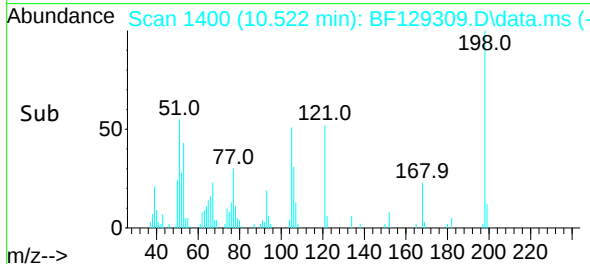
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



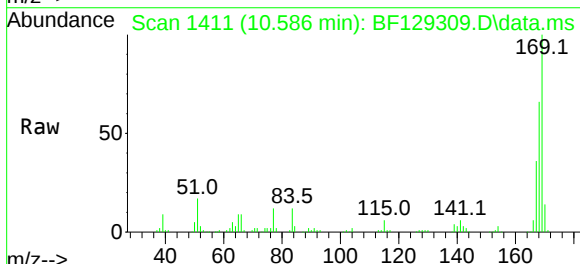
Tgt Ion:198 Resp: 8972
Ion Ratio Lower Upper
198 100
51 55.1 37.6 77.6
105 51.5 27.0 67.0

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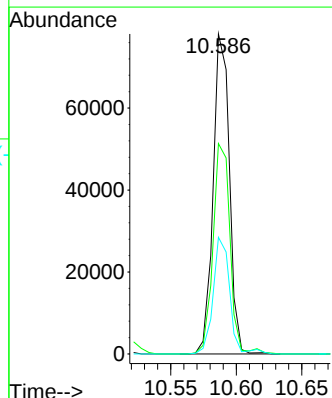
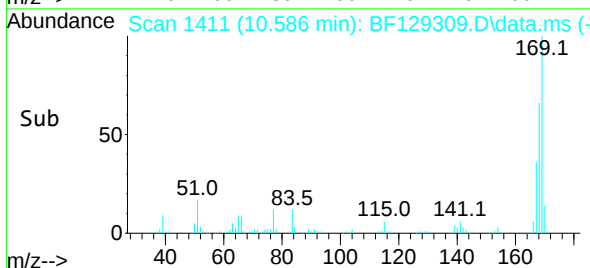
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

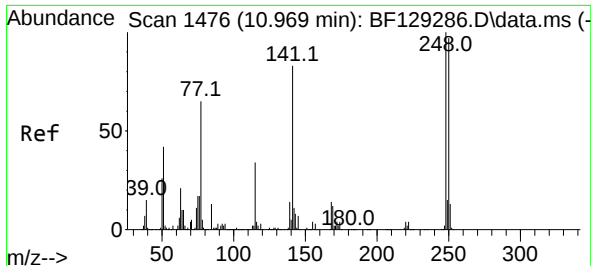


#66
n-Nitrosodiphenylamine
Concen: 3.969 ng
RT: 10.586 min Scan# 1411
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24



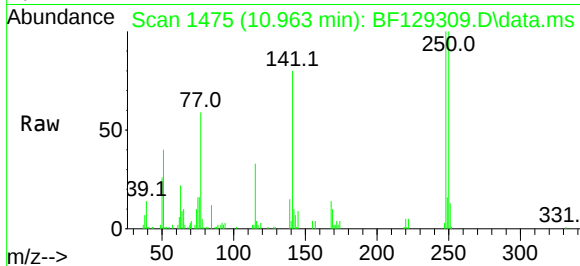
Tgt Ion:169 Resp: 67213
Ion Ratio Lower Upper
169 100
168 65.7 50.1 75.1
167 36.5 27.9 41.9





#67
4-Bromophenyl-phenylether
Concen: 4.052 ng
RT: 10.963 min Scan# 1475
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

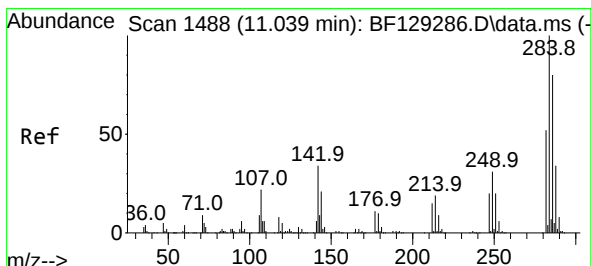
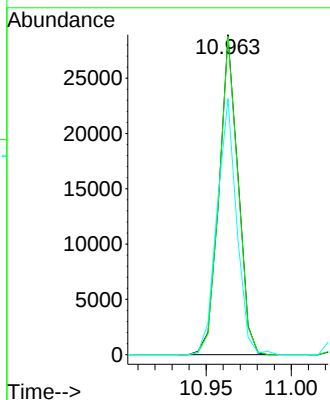
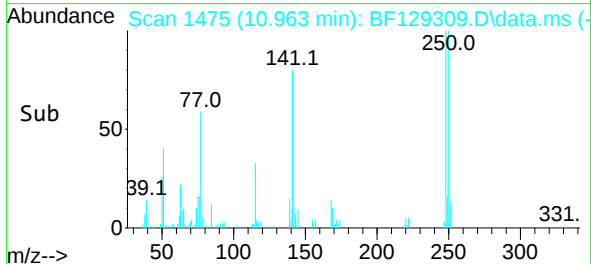
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



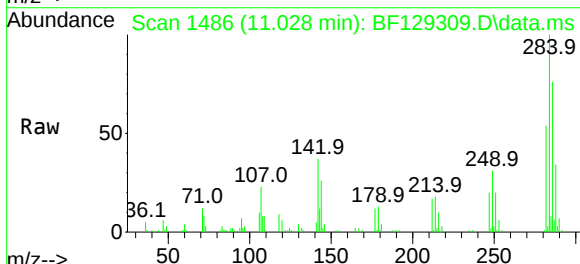
Tgt Ion:248 Resp: 2239
Ion Ratio Lower Upper
248 100
250 99.5 80.6 120.8
141 80.0 58.9 88.3

Manual Integrations
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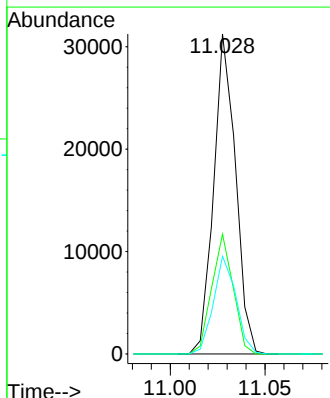
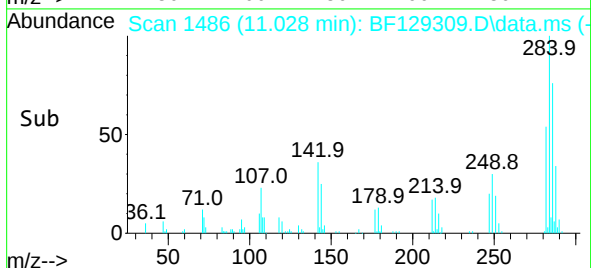
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

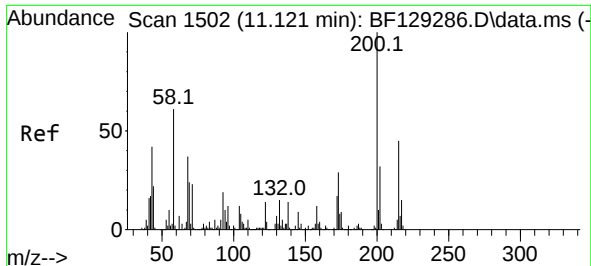


#68
Hexachlorobenzene
Concen: 4.149 ng
RT: 11.028 min Scan# 1486
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24



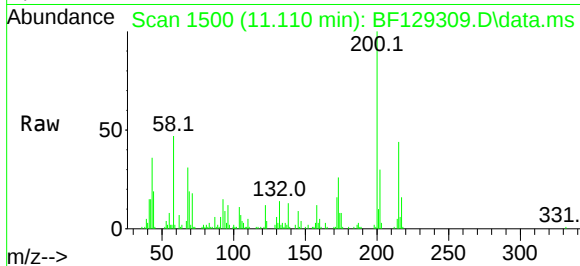
Tgt Ion:284 Resp: 25117
Ion Ratio Lower Upper
284 100
142 37.4 29.0 43.4
249 30.5 25.0 37.6





#69
Atrazine
Concen: 4.164 ng
RT: 11.110 min Scan# 1510
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

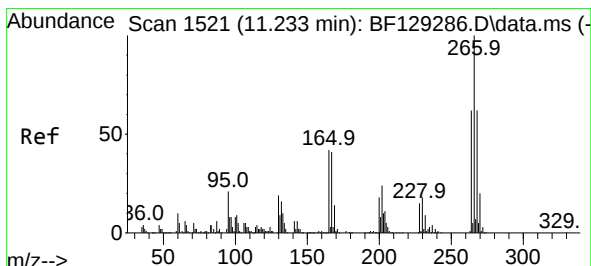
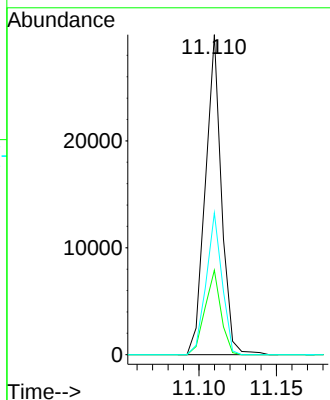
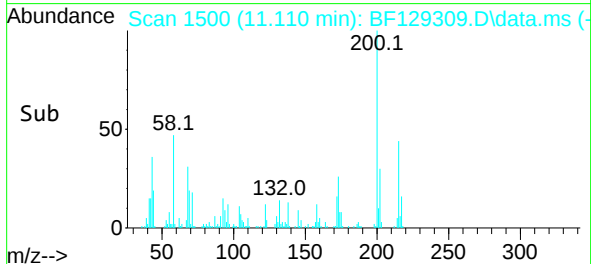
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



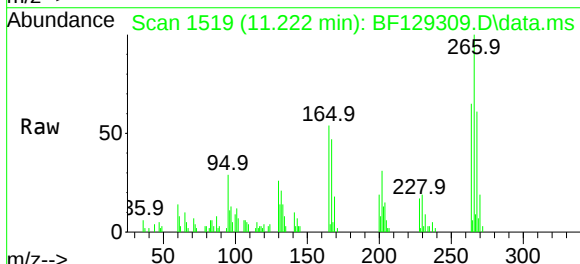
Tgt Ion:200 Resp: 2155
Ion Ratio Lower Upper
200 100
173 26.4 6.3 46.3
215 44.3 28.3 68.3

Manual Integrations
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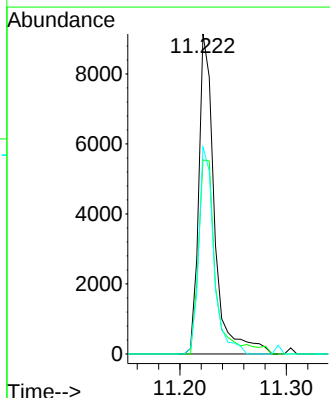
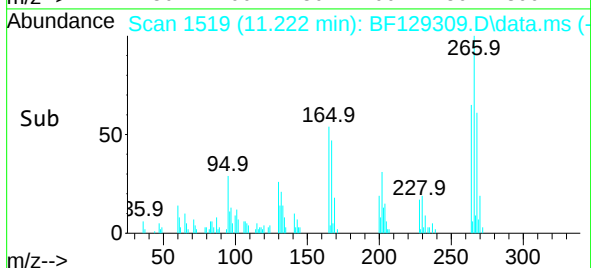
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

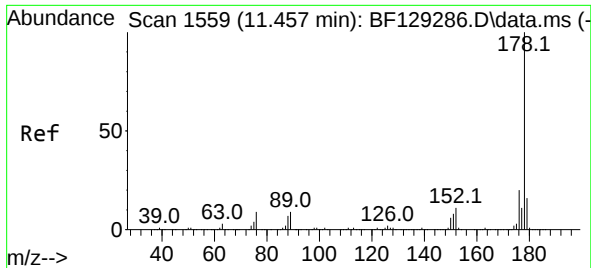


#70
Pentachlorophenol
Concen: 2.821 ng
RT: 11.222 min Scan# 1519
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24



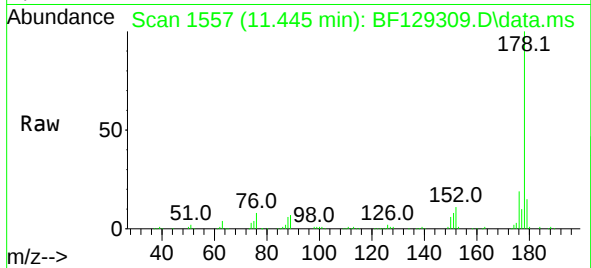
Tgt Ion:266 Resp: 9388
Ion Ratio Lower Upper
266 100
268 60.7 51.0 76.4
264 64.6 49.4 74.2





#71
Phenanthrene
Concen: 4.086 ng
RT: 11.445 min Scan# 1559
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

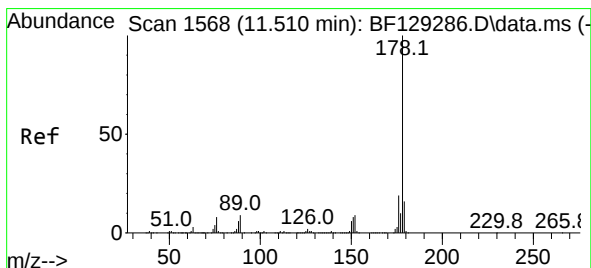
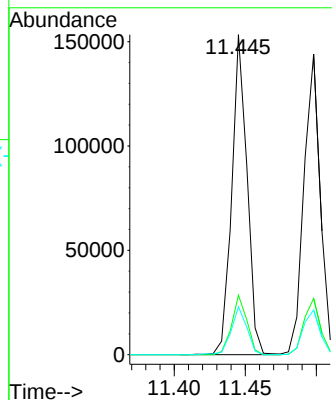
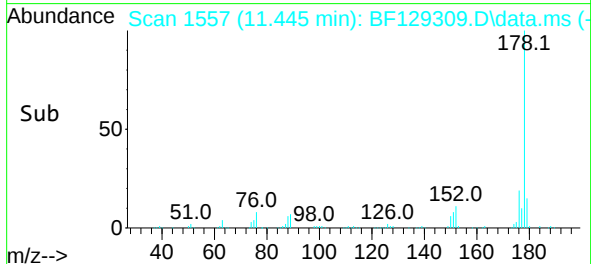
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



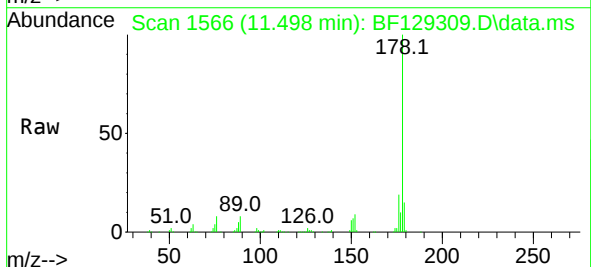
Tgt Ion:178 Resp: 114860
Ion Ratio Lower Upper
178 100
176 18.6 16.0 24.0
179 15.0 12.6 19.0

Manual Integrations
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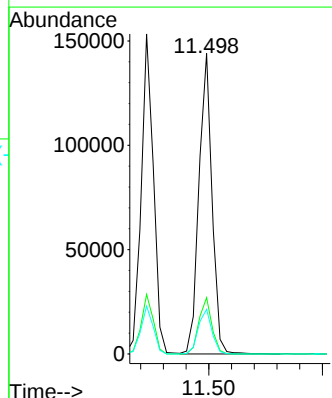
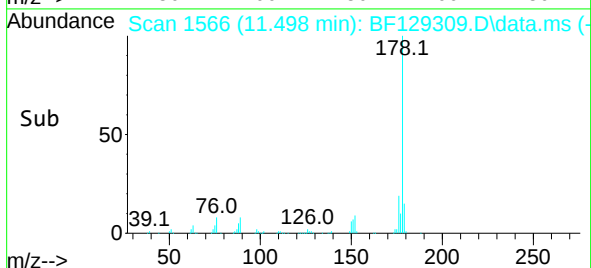
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

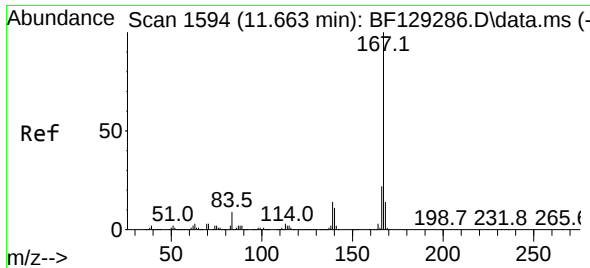


#72
Anthracene
Concen: 4.152 ng
RT: 11.498 min Scan# 1566
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24



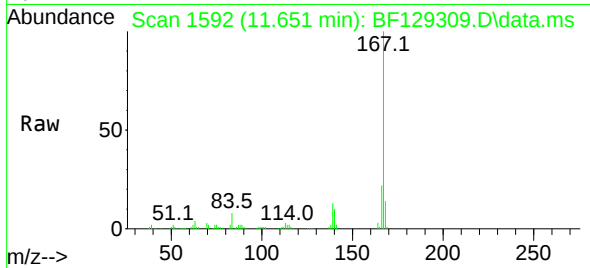
Tgt Ion:178 Resp: 115668
Ion Ratio Lower Upper
178 100
176 18.7 15.4 23.2
179 14.9 12.6 19.0





#73
 Carbazole
 Concen: 4.099 ng
 RT: 11.651 min Scan# 1592
 Delta R.T. -0.012 min
 Lab File: BF129309.D
 Acq: 22 Jul 2022 11:24

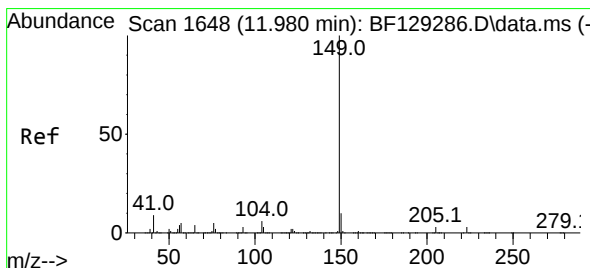
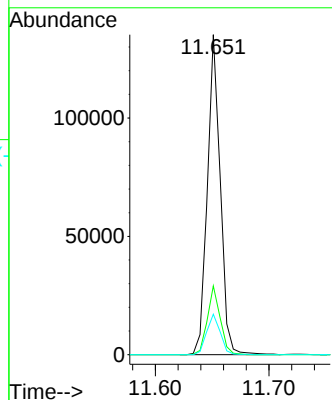
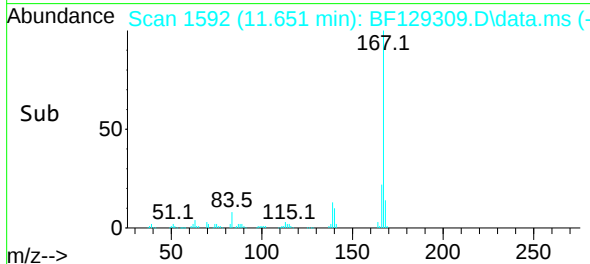
Instrument : BNA_F
 ClientSampleId : MDL-SOIL-03-QT2-2022



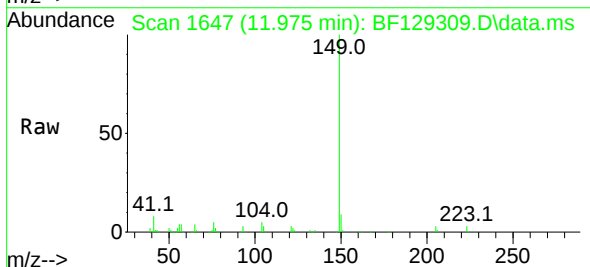
Tgt Ion:167 Resp: 106528
 Ion Ratio Lower Upper
 167 100
 166 21.5 17.7 26.5
 139 12.7 11.2 16.8

Manual Integrations
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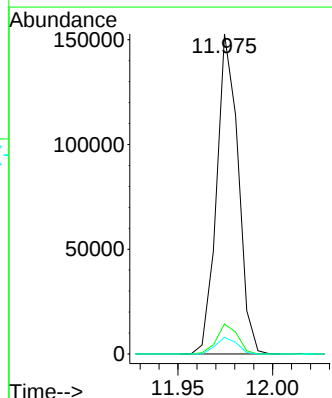
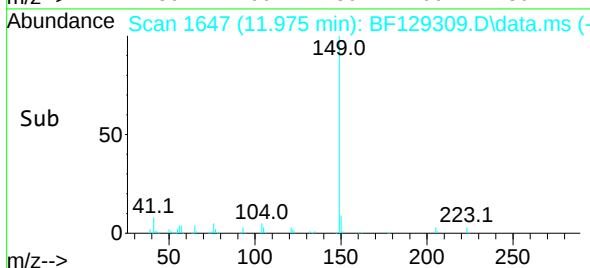
Reviewed By :Christian Giraldo 07/25/2022
 Supervised By :Jagrut Upadhyay 07/25/2022

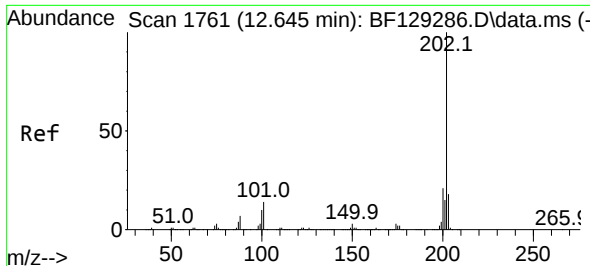


#74
 Di-n-butylphthalate
 Concen: 4.024 ng
 RT: 11.975 min Scan# 1647
 Delta R.T. -0.006 min
 Lab File: BF129309.D
 Acq: 22 Jul 2022 11:24



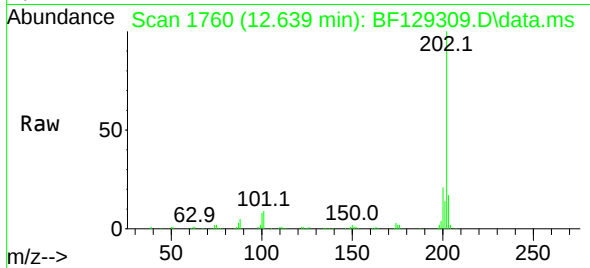
Tgt Ion:149 Resp: 120829
 Ion Ratio Lower Upper
 149 100
 150 9.4 7.5 11.3
 104 5.2 4.4 6.6





#75
Fluoranthene
Concen: 4.098 ng
RT: 12.639 min Scan# 117434
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

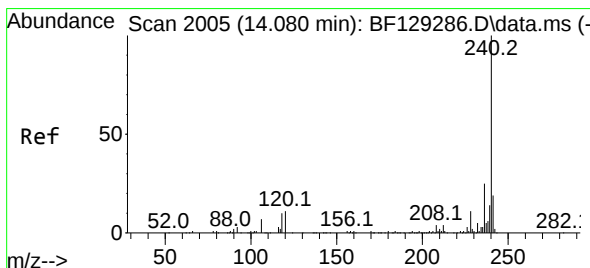
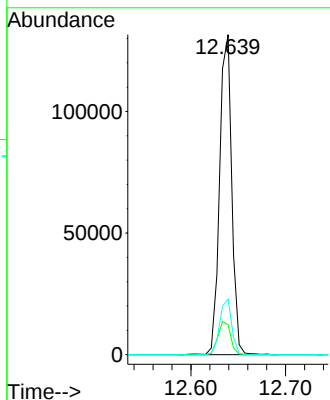
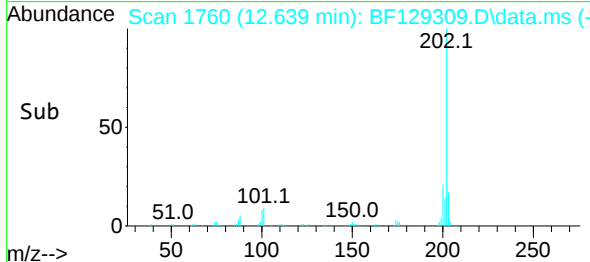
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



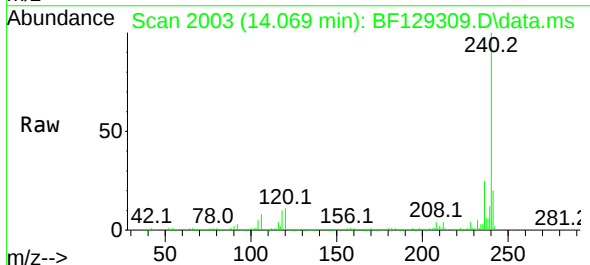
Tgt Ion:202 Resp: 117434
Ion Ratio Lower Upper
202 100
101 9.3 0.0 31.4
203 17.3 0.0 38.0

Manual Integrations
APPROVED

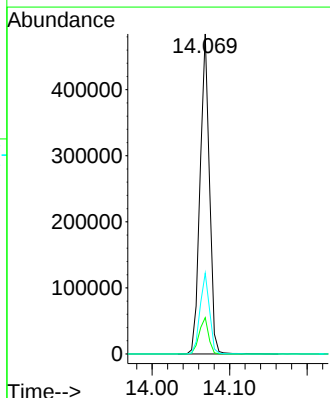
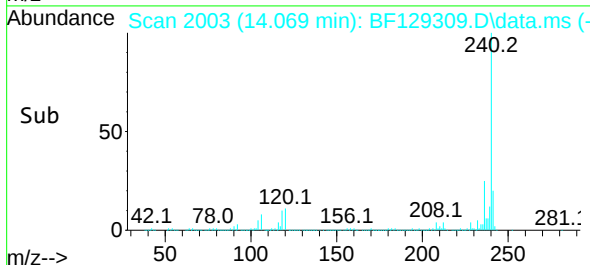
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

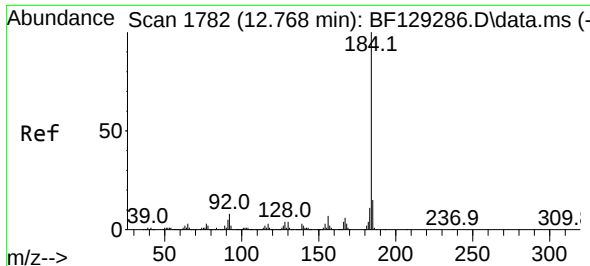


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.069 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24



Tgt Ion:240 Resp: 404963
Ion Ratio Lower Upper
240 100
120 11.3 8.9 13.3
236 25.2 20.8 31.2





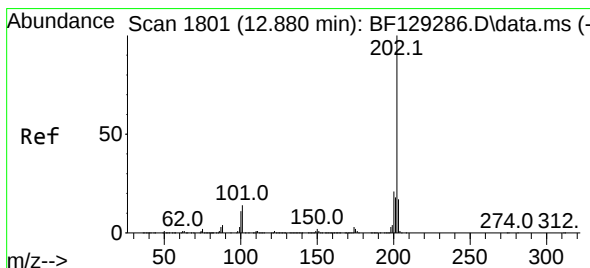
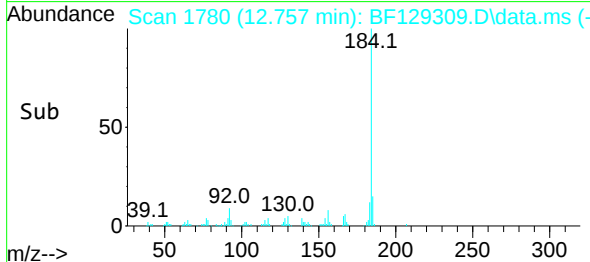
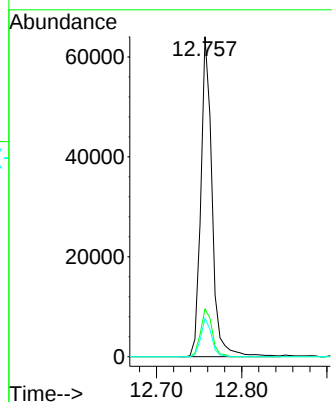
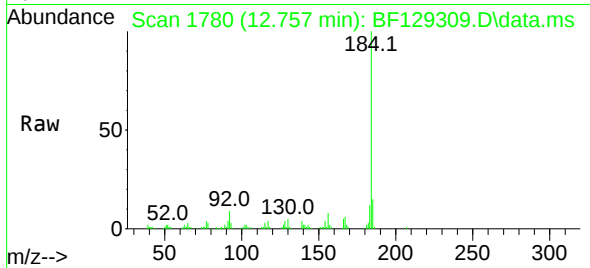
#77
Benzidine
Concen: 3.638 ng
RT: 12.757 min Scan# 1790
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT2-2022

Tgt Ion:184 Resp: 58700
Ion Ratio Lower Upper
184 100
185 14.9 11.9 17.9
183 11.9 9.3 13.9

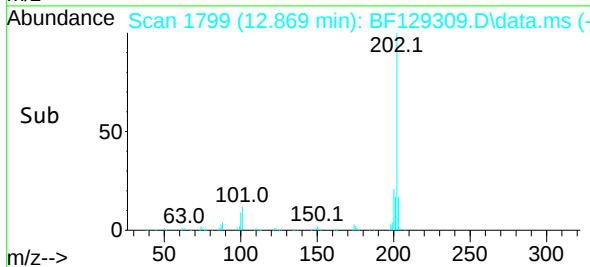
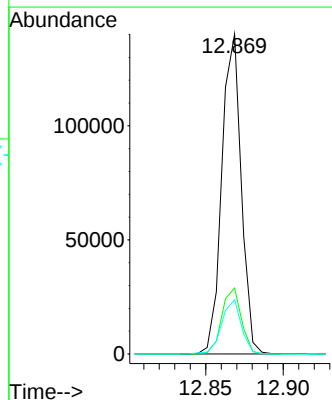
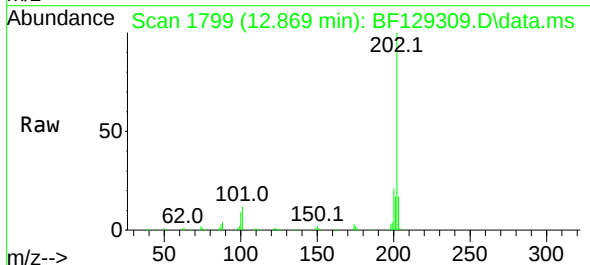
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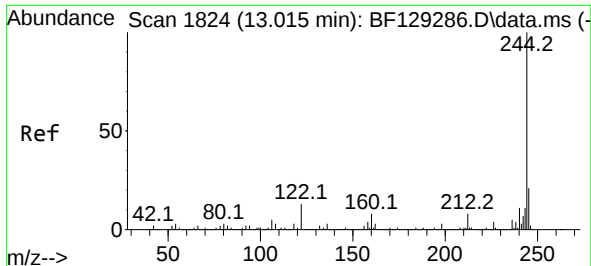
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#78
Pyrene
Concen: 3.521 ng
RT: 12.869 min Scan# 1799
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

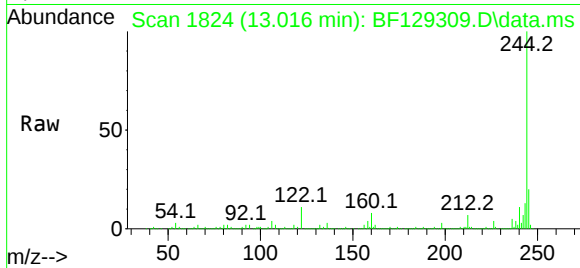
Tgt Ion:202 Resp: 121939
Ion Ratio Lower Upper
202 100
200 20.6 17.7 26.5
203 17.0 14.6 21.8





#79
 Terphenyl-d14
 Concen: 79.368 ng
 RT: 13.016 min Scan# 11
 Delta R.T. 0.000 min
 Lab File: BF129309.D
 Acq: 22 Jul 2022 11:24

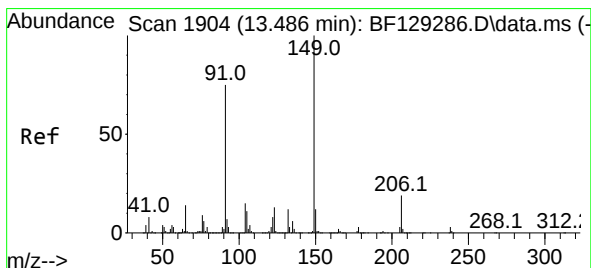
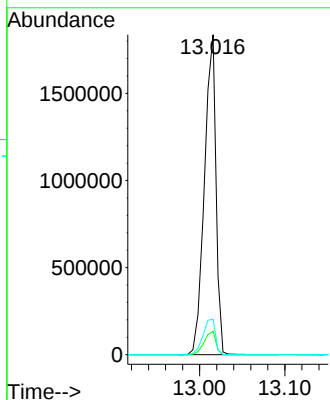
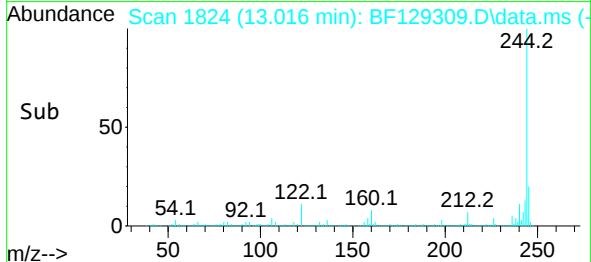
Instrument :
 BNA_F
 ClientSampleId :
 MDL-SOIL-03-QT2-2022



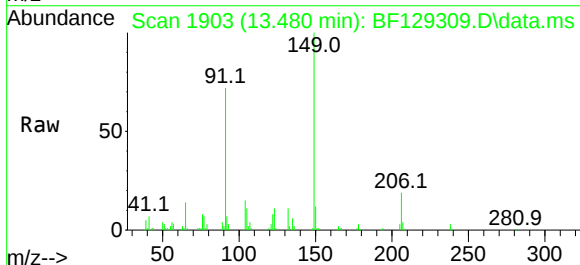
Tgt Ion:244 Resp: 1725760
 Ion Ratio Lower Upper
 244 100
 212 7.3 6.1 9.1
 122 11.1 8.8 13.2

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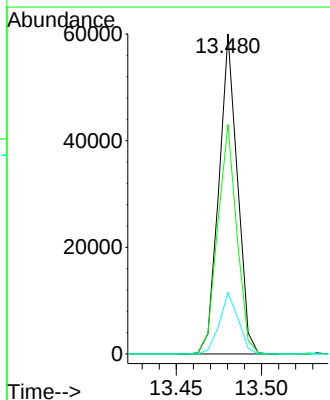
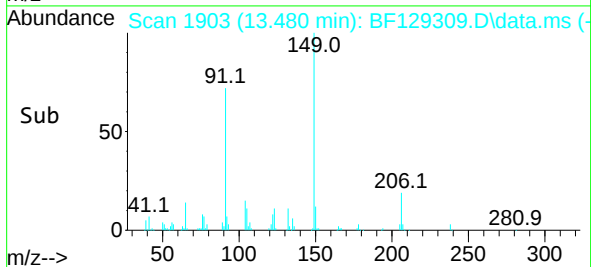
Reviewed By :Christian Giraldo 07/25/2022
 Supervised By :Jagrut Upadhyay 07/25/2022

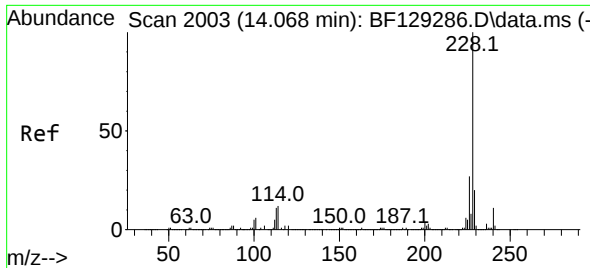


#80
 Butylbenzylphthalate
 Concen: 3.213 ng
 RT: 13.480 min Scan# 1903
 Delta R.T. -0.006 min
 Lab File: BF129309.D
 Acq: 22 Jul 2022 11:24



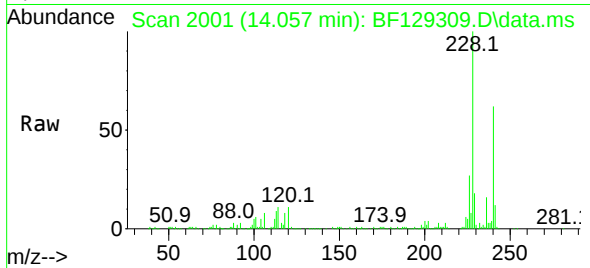
Tgt Ion:149 Resp: 45415
 Ion Ratio Lower Upper
 149 100
 91 71.7 61.2 91.8
 206 19.1 15.7 23.5





#81
Benzo(a)anthracene
Concen: 3.749 ng
RT: 14.057 min Scan# 2003
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

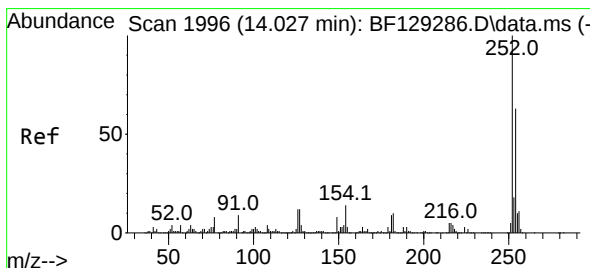
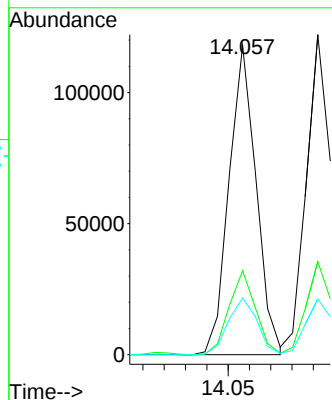
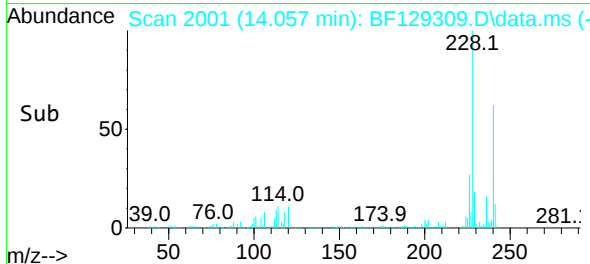
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



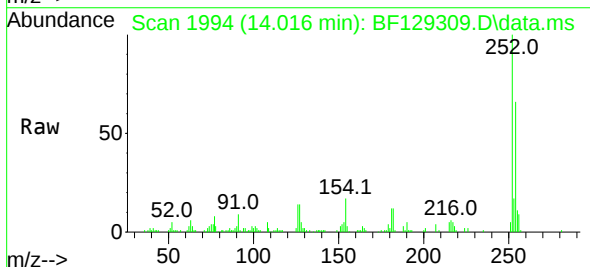
Tgt Ion:228 Resp: 104542
Ion Ratio Lower Upper
228 100
226 27.1 22.1 33.1
229 18.3 15.8 23.8

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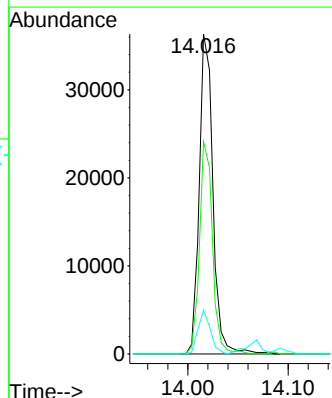
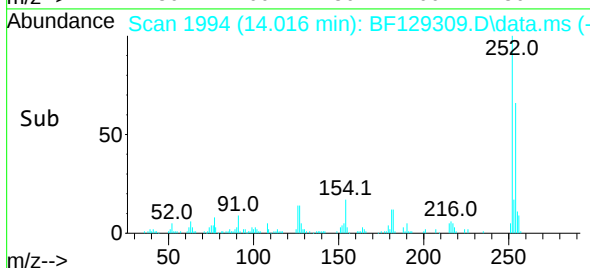
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

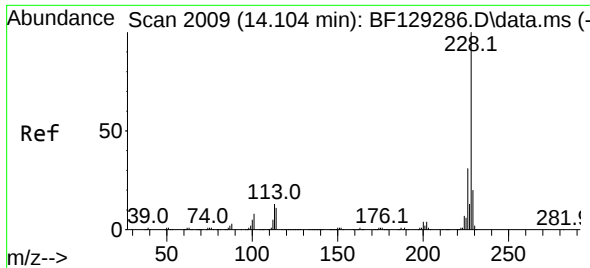


#82
3,3'-Dichlorobenzidine
Concen: 3.770 ng
RT: 14.016 min Scan# 1994
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24



Tgt Ion:252 Resp: 34510
Ion Ratio Lower Upper
252 100
254 66.4 50.2 75.4
126 13.7 8.2 12.4





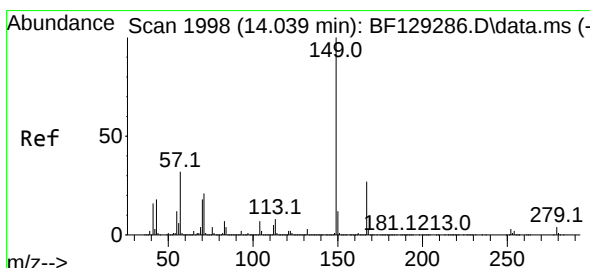
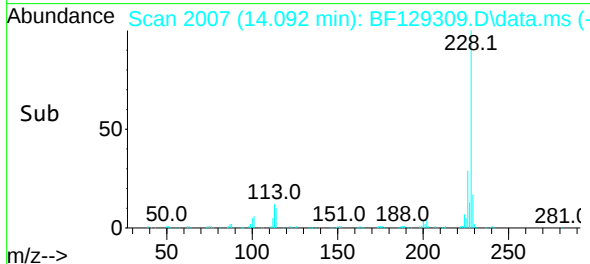
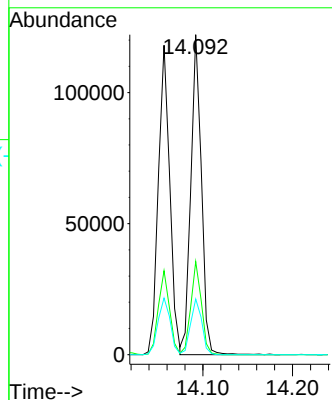
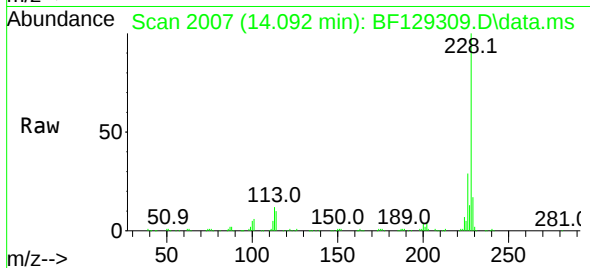
#83
Chrysene
Concen: 3.793 ng
RT: 14.092 min Scan# 2009
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022

Tgt Ion:228 Resp: 9982
Ion Ratio Lower Upper
228 100
226 29.1 24.3 36.5
229 17.4 15.9 23.9

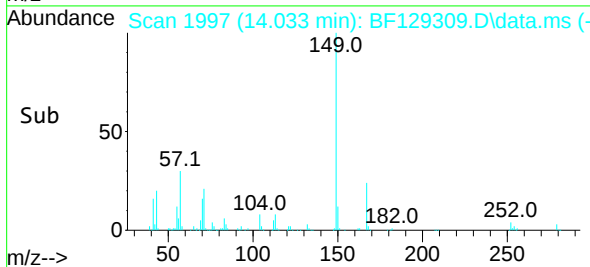
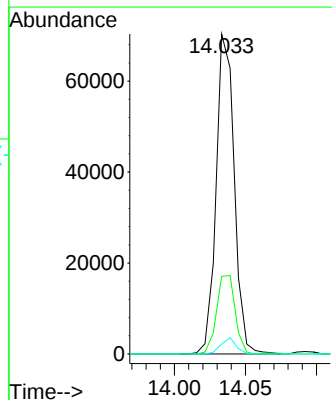
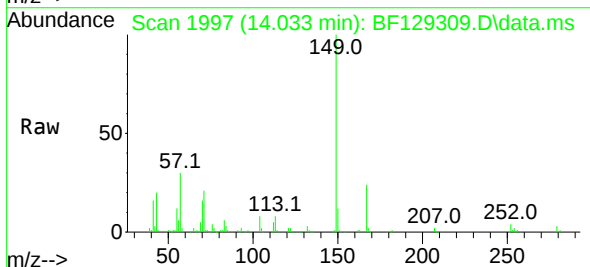
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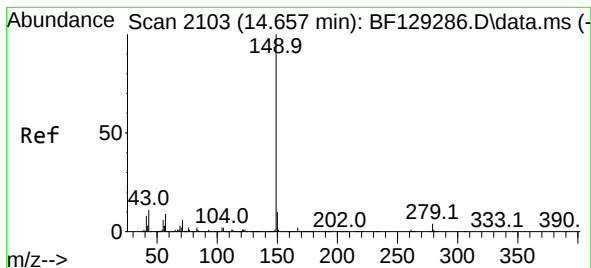
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022



#84
Bis(2-ethylhexyl)phthalate
Concen: 3.581 ng
RT: 14.033 min Scan# 1997
Delta R.T. -0.006 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

Tgt Ion:149 Resp: 62158
Ion Ratio Lower Upper
149 100
167 24.3 21.0 31.4
279 3.1 3.1 4.7#





#85

Di-n-octyl phthalate

Concen: 3.539 ng

RT: 14.651 min Scan# 2102

Delta R.T. -0.006 min

Lab File: BF129309.D

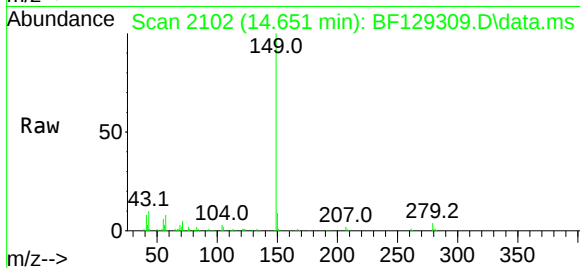
Acq: 22 Jul 2022 11:24

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2022



Tgt Ion:149 Resp: 87898

Ion Ratio Lower Upper

149 100

167 1.4 1.3 1.9

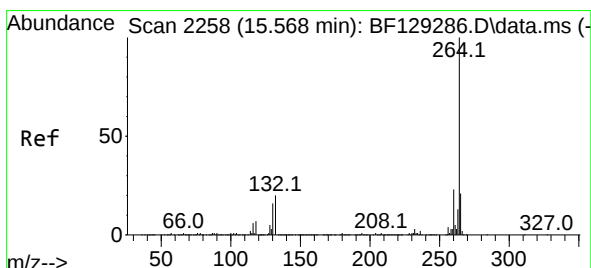
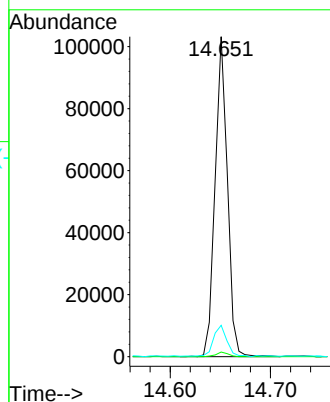
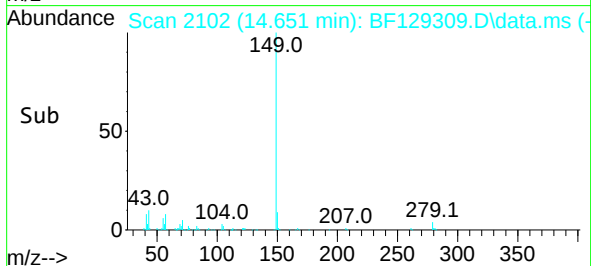
43 11.0 9.2 13.8

Manual Integrations

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Reviewed By :Christian Giraldo 07/25/2022

Supervised By :Jagrut Upadhyay 07/25/2022



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.563 min Scan# 2257

Delta R.T. -0.006 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

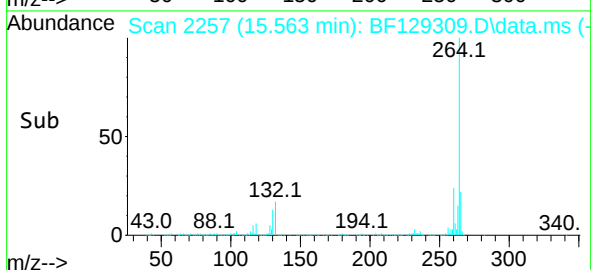
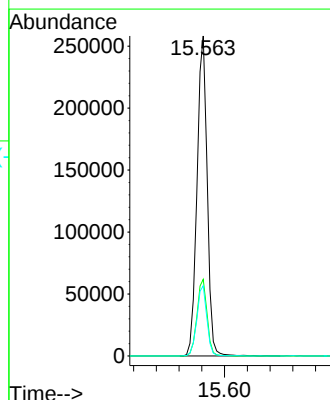
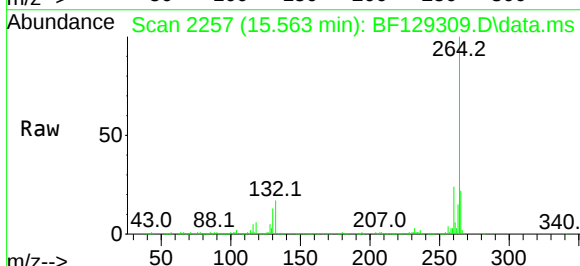
Tgt Ion:264 Resp: 323373

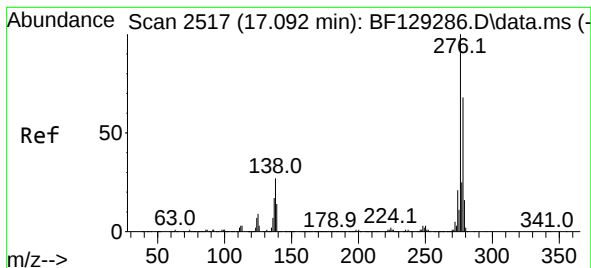
Ion Ratio Lower Upper

264 100

260 24.0 18.4 27.6

265 21.9 17.2 25.8





#87

Indeno(1,2,3-cd)pyrene

Concen: 3.023 ng

RT: 17.062 min Scan# 2181

Delta R.T. -0.029 min

Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

Instrument :

BNA_F

ClientSampleId :

MDL-SOIL-03-QT2-2022

Tgt Ion: 276 Resp: 67025

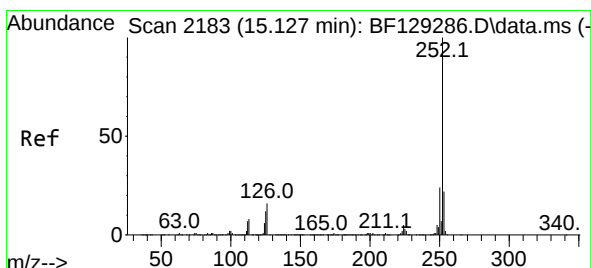
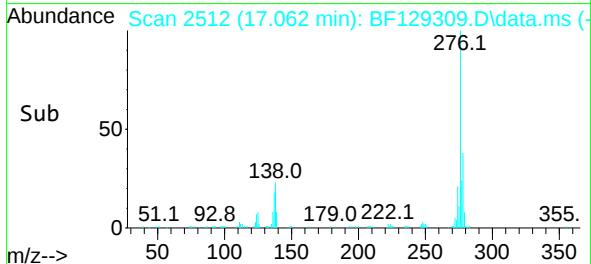
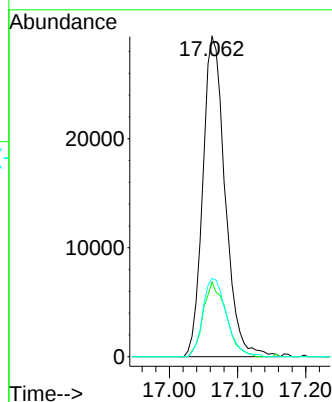
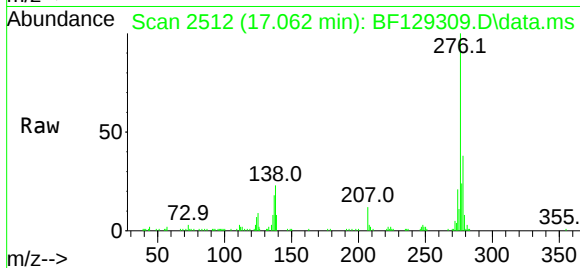
Ion	Ratio	Lower	Upper
276	100		
138	23.9	21.1	31.7
277	25.9	20.3	30.5

Manual Integrations

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Reviewed By : Christian Giraldo 07/25/2022

Supervised By : Jagrut Upadhyay 07/25/2022



#88

Benzo(b)fluoranthene

Concen: 4.029 ng

RT: 15.116 min Scan# 2181

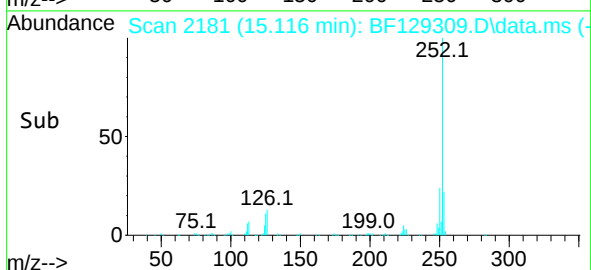
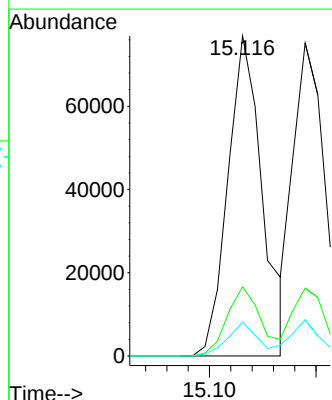
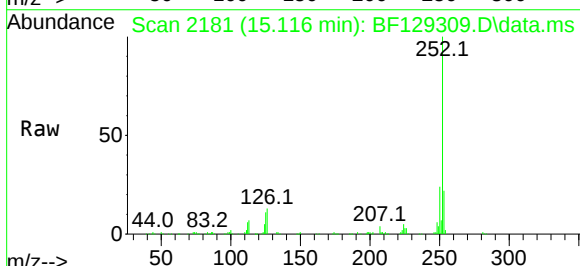
Delta R.T. -0.012 min

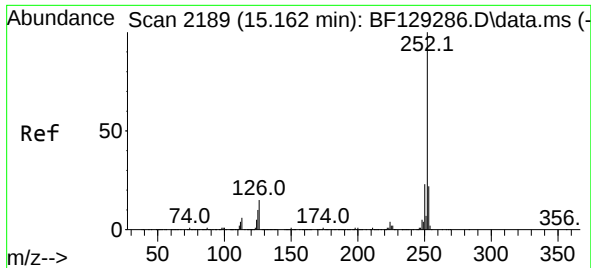
Lab File: BF129309.D

Acq: 22 Jul 2022 11:24

Tgt Ion: 252 Resp: 86715

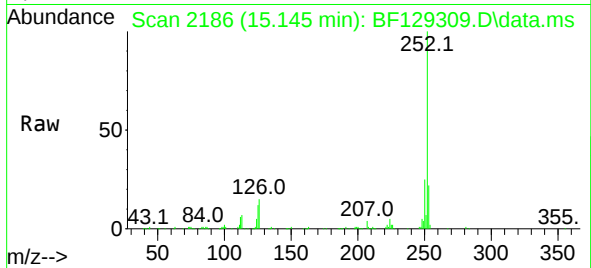
Ion	Ratio	Lower	Upper
252	100		
253	21.6	17.7	26.5
125	10.6	8.0	12.0





#89
Benzo(k)fluoranthene
Concen: 3.821 ng
RT: 15.145 min Scan# 2186
Delta R.T. -0.017 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

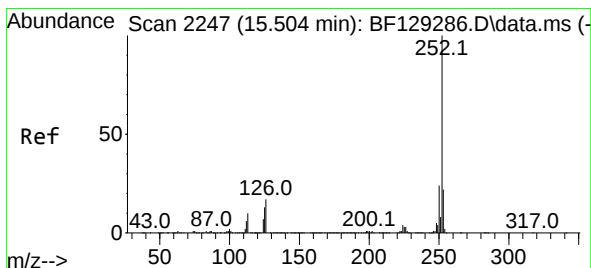
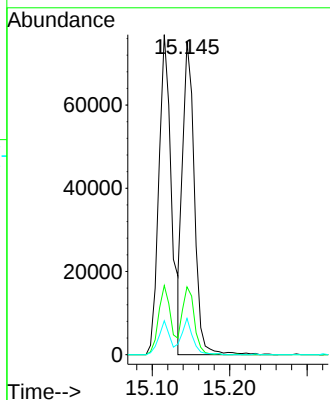
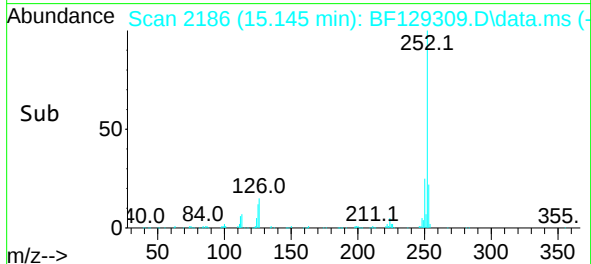
Instrument :
BNA_F
ClientSampleId :
MDL-SOIL-03-QT2-2022



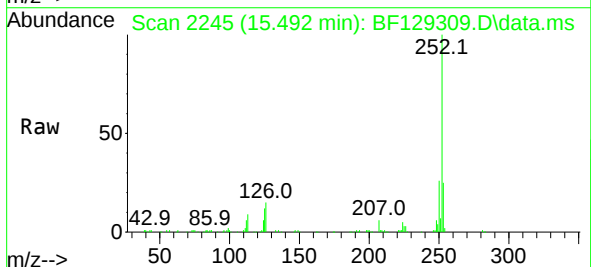
Tgt Ion:252 Resp: 79864
Ion Ratio Lower Upper
252 100
253 21.7 17.8 26.6
125 11.6 8.3 12.5

Manual Integrations
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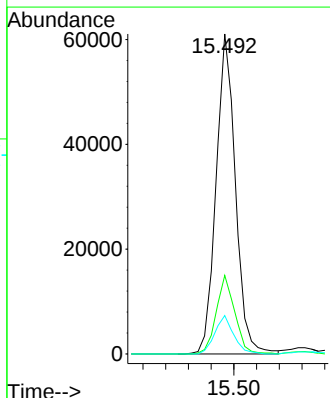
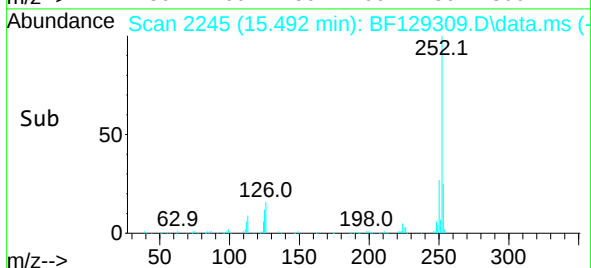
Reviewed By :Christian Giraldo 07/25/2022
Supervised By :Jagrut Upadhyay 07/25/2022

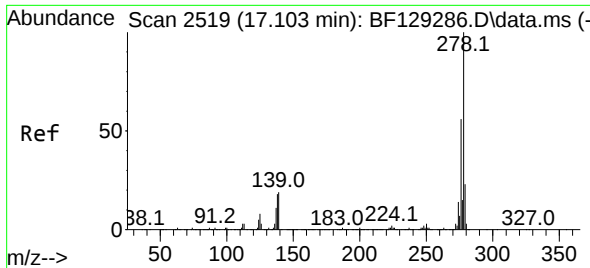


#90
Benzo(a)pyrene
Concen: 4.152 ng
RT: 15.492 min Scan# 2245
Delta R.T. -0.012 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24



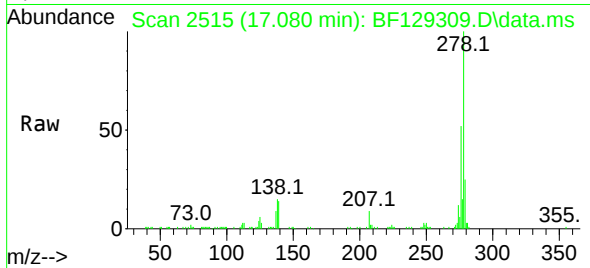
Tgt Ion:252 Resp: 72303
Ion Ratio Lower Upper
252 100
253 24.6 17.0 25.6
125 12.0 8.8 13.2





#91
Dibenzo(a,h)anthracene
Concen: 3.342 ng
RT: 17.080 min Scan# 2515
Delta R.T. -0.023 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24

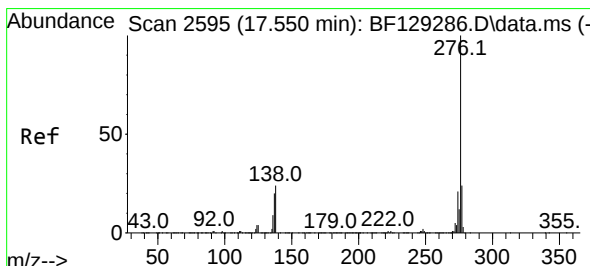
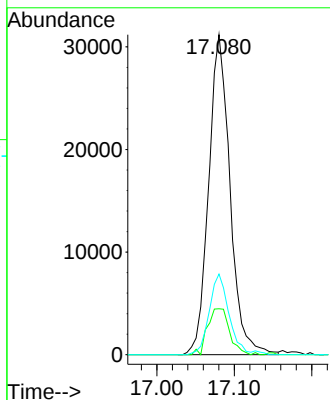
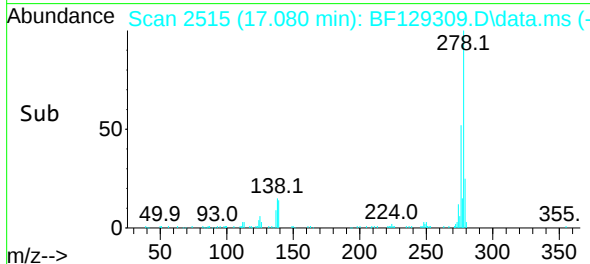
Instrument : BNA_F
ClientSampleId : MDL-SOIL-03-QT2-2022



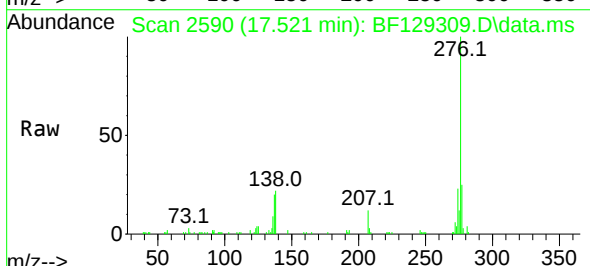
Tgt Ion: 278 Resp: 59710
Ion Ratio Lower Upper
278 100
139 14.3 12.8 19.2
279 25.2 18.6 28.0

Manual Integrations
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Reviewed By : Christian Giraldo 07/25/2022
Supervised By : Jagrut Upadhyay 07/25/2022



#92
Benzo(g,h,i)perylene
Concen: 3.056 ng
RT: 17.521 min Scan# 2590
Delta R.T. -0.029 min
Lab File: BF129309.D
Acq: 22 Jul 2022 11:24



Tgt Ion: 276 Resp: 56738
Ion Ratio Lower Upper
276 100
277 25.3 19.1 28.7
138 21.7 18.0 27.0

