

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091522\
 Data File : BF130275.D
 Acq On : 15 Sep 2022 17:13
 Operator : CG\JU
 Sample : N4600-02MSD
 Misc :
 ALS Vial : 14 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 OH-SOIL-0913MSD

Quant Time: Sep 16 03:30:49 2022
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091422.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Sep 14 14:55:51 2022
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Christian
 Giraldo
 09/16/2022

Supervised By :Jagrut
 Upadhyay
 09/16/2022

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.681	152	102468	20.000	ng	0.00
21) Naphthalene-d8	7.963	136	404140	20.000	ng	0.00
39) Acenaphthene-d10	9.710	164	208711	20.000	ng	0.00
64) Phenanthrene-d10	11.192	188	347822	20.000	ng	0.00
76) Chrysene-d12	13.815	240	175191	20.000	ng	0.00
86) Perylene-d12	15.209	264	167146	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.298	112	736724	124.704	ng	0.02
7) Phenol-d6	6.316	99	843537	114.115	ng	0.00
23) Nitrobenzene-d5	7.245	82	655599	82.876	ng	0.00
42) 2,4,6-Tribromophenol	10.498	330	307513	153.768	ng	0.00
45) 2-Fluorobiphenyl	9.039	172	1207367	84.239	ng	0.00
79) Terphenyl-d14	12.774	244	1058579	100.092	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.504	88	100268	36.955	ng	# 84
3) Pyridine	3.157	79	215942	30.510	ng	95
4) n-Nitrosodimethylamine	3.093	42	151949	39.473	ng	99
6) Aniline	6.339	93	165170	18.135	ng	# 79
8) 2-Chlorophenol	6.463	128	302007	44.877	ng	95
9) Benzaldehyde	6.228	77	137029	27.674	ng	96
10) Phenol	6.328	94	314511	36.306	ng	99
11) bis(2-Chloroethyl)ether	6.422	93	282853	45.269	ng	98
12) 1,3-Dichlorobenzene	6.616	146	311437	42.058	ng	99
13) 1,4-Dichlorobenzene	6.698	146	324129	42.924	ng	98
14) 1,2-Dichlorobenzene	6.845	146	307208	43.550	ng	99
15) Benzyl Alcohol	6.828	79	193770	33.062	ng	95
16) 2,2'-oxybis(1-Chloropr...	6.963	45	385884	42.344	ng	91
17) 2-Methylphenol	6.939	107	266262	48.671	ng	97
18) Hexachloroethane	7.186	117	122621	41.196	ng	98
19) n-Nitroso-di-n-propyla...	7.104	70	220923	44.291	ng	94
20) 3+4-Methylphenols	7.092	107	296811	41.765	ng	90
22) Acetophenone	7.092	105	450771	45.622	ng	96
24) Nitrobenzene	7.263	77	337586	42.028	ng	99
25) Isophorone	7.504	82	588162	46.130	ng	99
26) 2-Nitrophenol	7.581	139	159686	48.496	ng	92
27) 2,4-Dimethylphenol	7.622	122	267523	52.766	ng	98
28) bis(2-Chloroethoxy)met...	7.722	93	352225	49.061	ng	99
29) 2,4-Dichlorophenol	7.822	162	251174	45.209	ng	97
30) 1,2,4-Trichlorobenzene	7.904	180	259509	43.203	ng	96
31) Naphthalene	7.981	128	892303	42.856	ng	99
32) Benzoic acid	7.745	122	154707m	39.459	ng	
33) 4-Chloroaniline	8.033	127	69402	8.764	ng	95
34) Hexachlorobutadiene	8.098	225	162563	42.347	ng	98
35) Caprolactam	8.410	113	63748m	40.024	ng	
36) 4-Chloro-3-methylphenol	8.522	107	281556	45.721	ng	99
37) 2-Methylnaphthalene	8.675	142	584510	44.030	ng	98
38) 1-Methylnaphthalene	8.769	142	550641	43.178	ng	100
40) 1,2,4,5-Tetrachloroben...	8.839	216	264126	46.372	ng	99
41) Hexachlorocyclopentadiene	8.828	237	342430	112.291	ng	100
43) 2,4,6-Trichlorophenol	8.951	196	176015	44.279	ng	95

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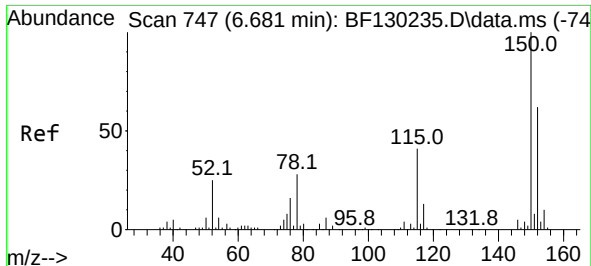
Quant Time: Sep 16 03:30:49 2022
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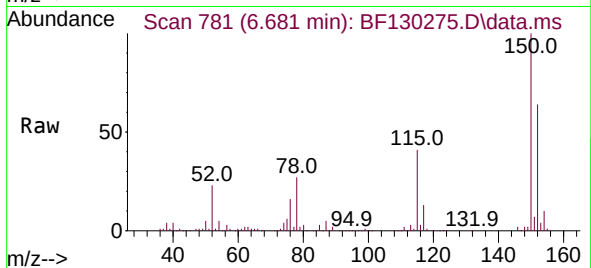
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	8.992	196	199081	46.410	ng	97
46) 1,1'-Biphenyl	9.139	154	717024	46.000	ng	98
47) 2-Chloronaphthalene	9.163	162	558923	44.326	ng	97
48) 2-Nitroaniline	9.263	65	180549	42.931	ng	90
49) Acenaphthylene	9.575	152	832003	44.008	ng	99
50) Dimethylphthalate	9.445	163	656098	45.509	ng	100
51) 2,6-Dinitrotoluene	9.504	165	143886	47.722	ng	92
52) Acenaphthene	9.745	154	603098m	48.552	ng	
53) 3-Nitroaniline	9.669	138	74599	22.204	ng	97
54) 2,4-Dinitrophenol	9.775	184	136987	83.460	ng	99
55) Dibenzofuran	9.916	168	763148	44.170	ng	98
56) 4-Nitrophenol	9.833	139	198437	81.093	ng	96
57) 2,4-Dinitrotoluene	9.904	165	189163	49.090	ng	97
58) Fluorene	10.257	166	621689	43.998	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.033	232	152746	45.493	ng	96
60) Diethylphthalate	10.145	149	649819	44.947	ng	100
61) 4-Chlorophenyl-phenyle...	10.257	204	286085	46.154	ng	92
62) 4-Nitroaniline	10.286	138	136631	40.482	ng	96
63) Azobenzene	10.416	77	618301	41.533	ng	97
65) 4,6-Dinitro-2-methylph...	10.310	198	87107	44.988	ng	85
66) n-Nitrosodiphenylamine	10.374	169	516071	44.400	ng	99
67) 4-Bromophenyl-phenylether	10.739	248	178638	46.556	ng	95
68) Hexachlorobenzene	10.798	284	201974	46.436	ng	# 91
69) Atrazine	10.904	200	167831	49.410	ng	98
70) Pentachlorophenol	10.998	266	214552	91.911	ng	97
71) Phenanthrene	11.216	178	842154	43.125	ng	100
72) Anthracene	11.269	178	844291	44.802	ng	99
73) Carbazole	11.421	167	742636	43.665	ng	100
74) Di-n-butylphthalate	11.763	149	914556	44.593	ng	99
75) Fluoranthene	12.398	202	782068	41.445	ng	98
77) Benzidine	12.521	184	107979	21.232	ng	99
78) Pyrene	12.621	202	765592	49.954	ng	99
80) Butylbenzylphthalate	13.251	149	291718	51.381	ng	99
81) Benzo(a)anthracene	13.810	228	525290	45.072	ng	99
82) 3,3'-Dichlorobenzidine	13.774	252	106520	33.576	ng	99
83) Chrysene	13.845	228	479362	43.318	ng	100
84) Bis(2-ethylhexyl)phtha...	13.810	149	341594	52.526	ng	98
85) Di-n-octyl phthalate	14.421	149	460599	46.306	ng	98
87) Indeno(1,2,3-cd)pyrene	16.545	276	597347	50.396	ng	99
88) Benzo(b)fluoranthene	14.815	252	501635	45.981	ng	99
89) Benzo(k)fluoranthene	14.845	252	436208	40.647	ng	99
90) Benzo(a)pyrene	15.151	252	425998	49.288	ng	99
91) Dibenzo(a,h)anthracene	16.562	278	517375	53.208	ng	99
92) Benzo(g,h,i)perylene	16.945	276	514850	52.562	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.681 min Scan# 74
Delta R.T. -0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

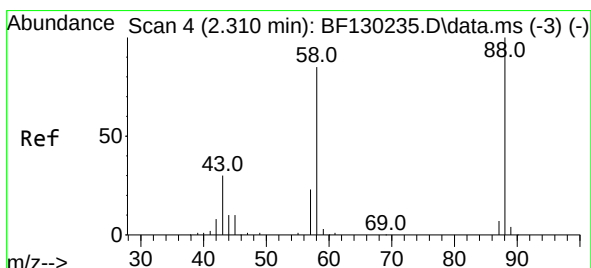
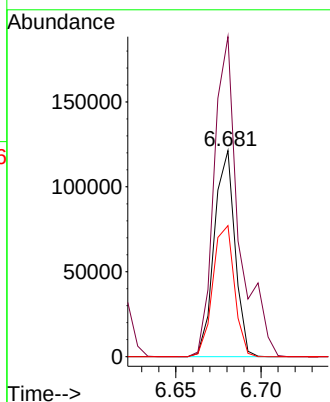
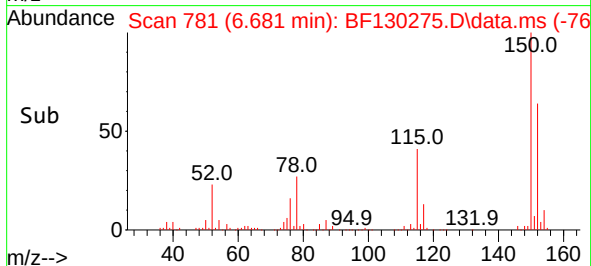


Tgt Ion: 152 Resp: 102468
Ion Ratio Lower Upper
152 100
150 155.3 122.8 184.2
115 63.6 53.8 80.8

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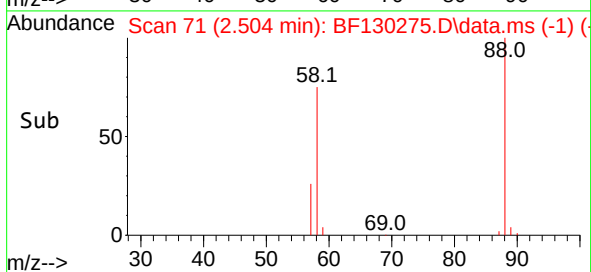
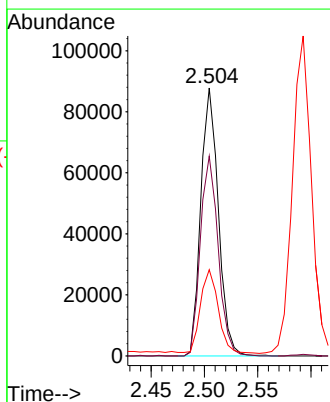
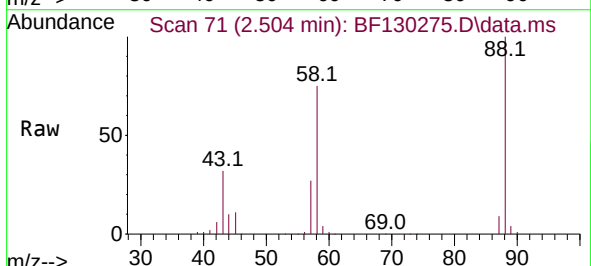
Reviewed By :Christian
Giraldo
09/16/2022

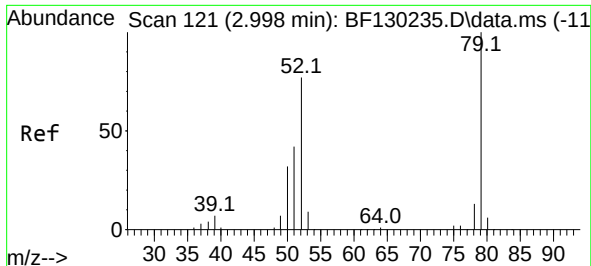
Supervised By :Jagrit
Upadhyay
09/16/2022



#2
1,4-Dioxane
Concen: 36.955 ng
RT: 2.504 min Scan# 71
Delta R.T. 0.194 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

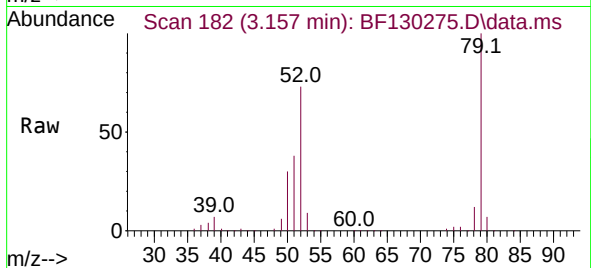
Tgt Ion: 88 Resp: 100268
Ion Ratio Lower Upper
88 100
58 75.6 61.3 91.9
43 0.0 23.0 34.6





#3
Pyridine
Concen: 30.510 ng
RT: 3.157 min Scan# 182
Delta R.T. 0.159 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

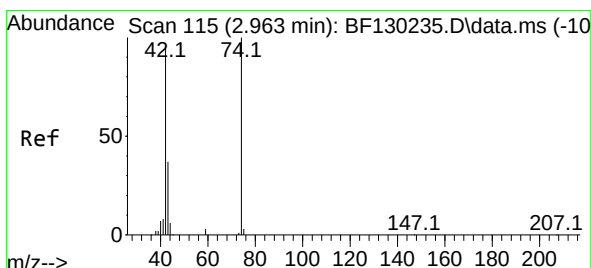
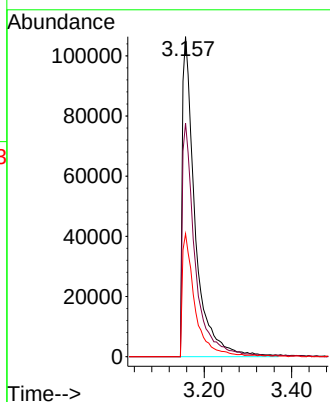
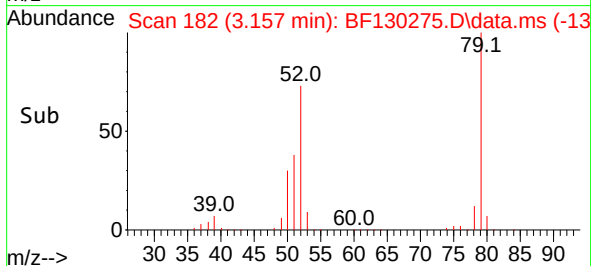


Tgt Ion: 79 Resp: 215942
Ion Ratio Lower Upper
79 100
52 73.0 62.4 93.6
51 38.4 32.2 48.4

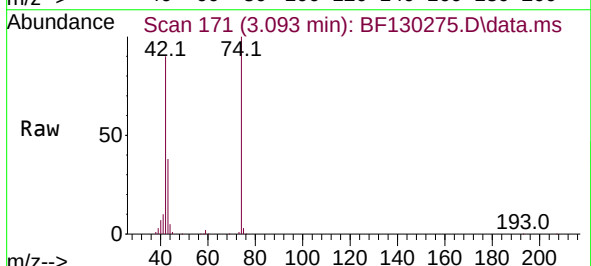
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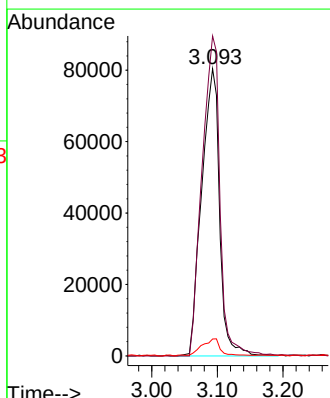
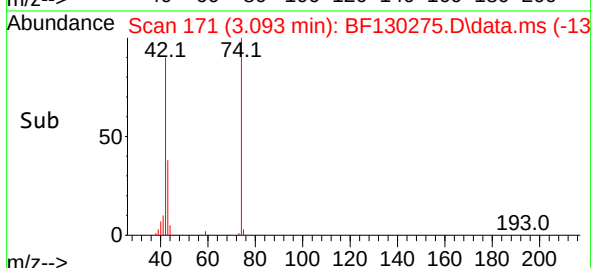
Supervised By :Jagrut
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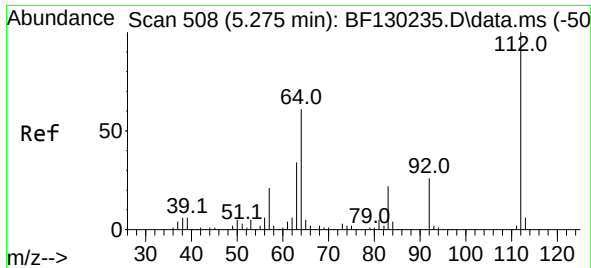


#4
n-Nitrosodimethylamine
Concen: 39.473 ng
RT: 3.093 min Scan# 171
Delta R.T. 0.129 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13



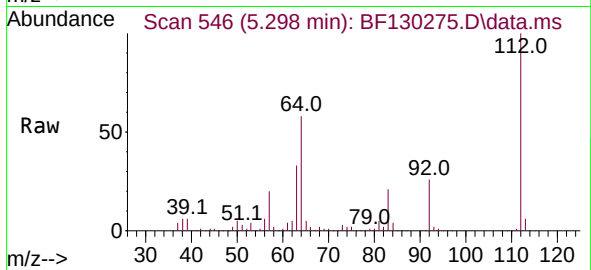
Tgt Ion: 42 Resp: 151949
Ion Ratio Lower Upper
42 100
74 111.4 88.4 132.6
44 5.9 5.0 7.4





#5
2-Fluorophenol
Concen: 124.704 ng
RT: 5.298 min Scan# 54
Delta R.T. 0.024 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

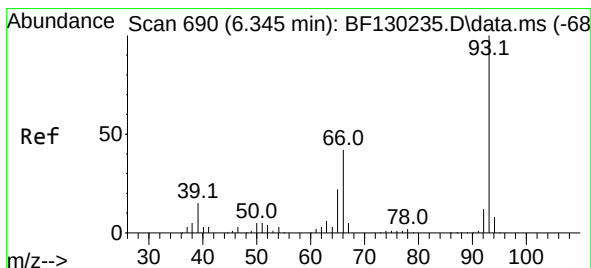
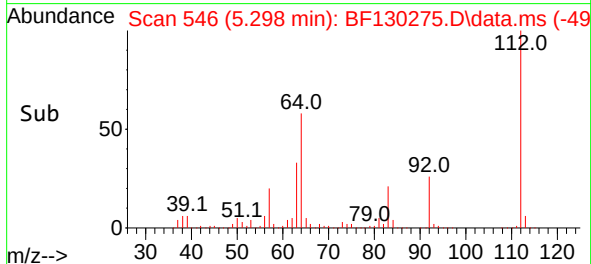
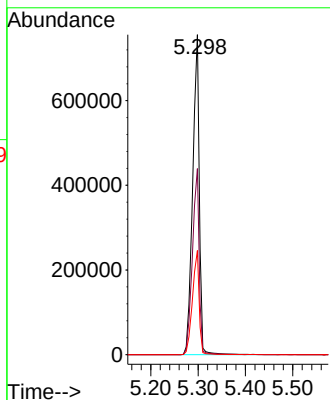


Tgt Ion: 112 Resp: 736724
Ion Ratio Lower Upper
112 100
64 58.1 51.4 77.0
63 32.5 28.8 43.2

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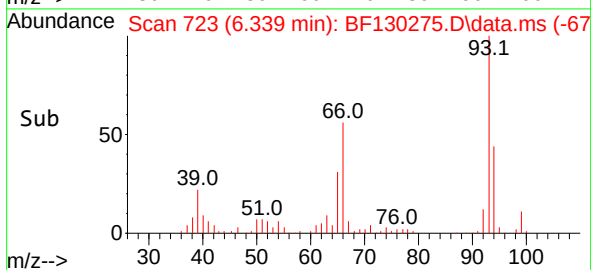
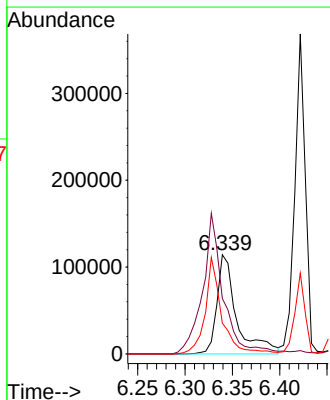
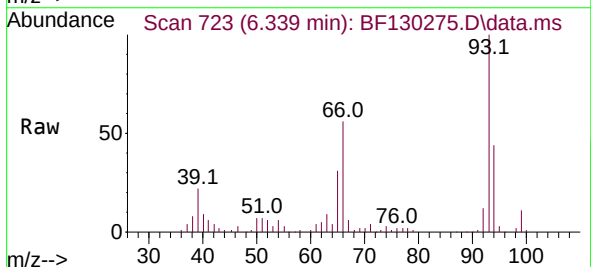
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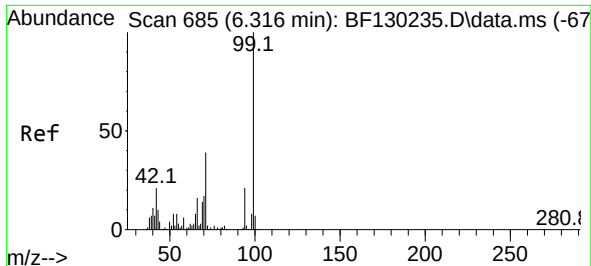
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#6
Aniline
Concen: 18.135 ng
RT: 6.339 min Scan# 723
Delta R.T. -0.006 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

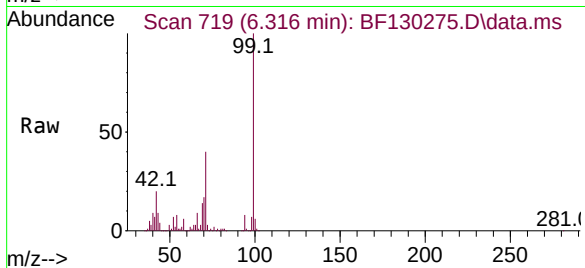
Tgt Ion: 93 Resp: 165170
Ion Ratio Lower Upper
93 100
66 55.8 34.2 51.4#
65 30.9 16.6 24.8#





#7
Phenol-d6
Concen: 114.115 ng
RT: 6.316 min Scan# 711
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

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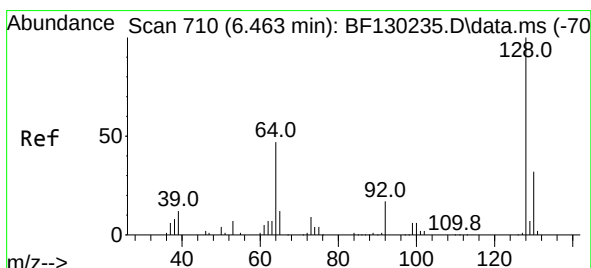
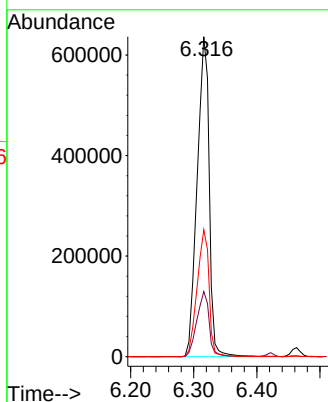
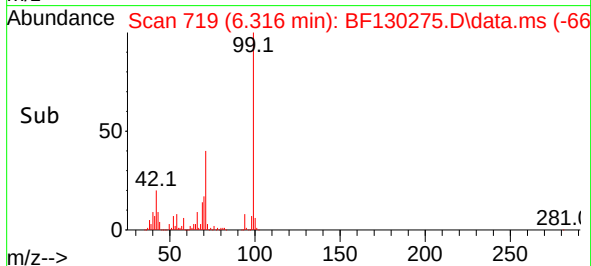


Tgt Ion: 99 Resp: 84353
Ion Ratio Lower Upper
99 100
42 20.3 17.0 25.6
71 39.7 32.3 48.5

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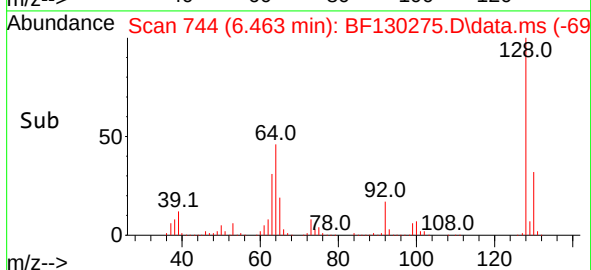
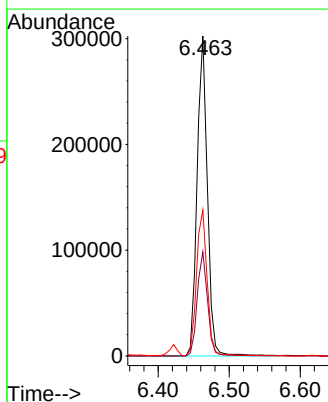
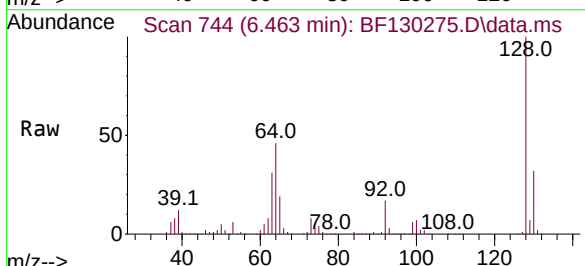
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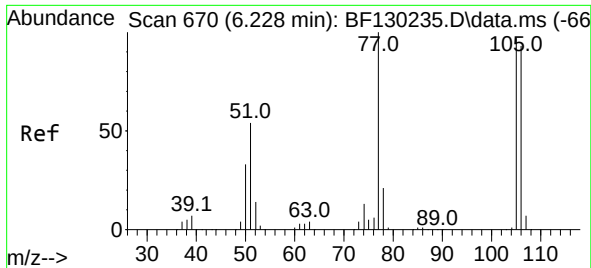
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#8
2-Chlorophenol
Concen: 44.877 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

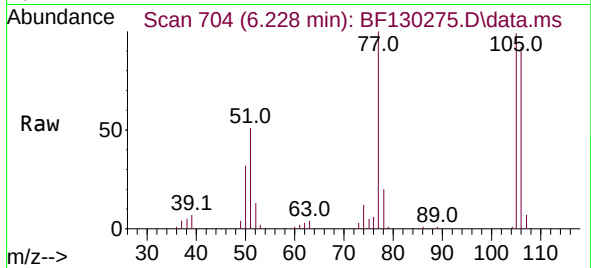
Tgt Ion:128 Resp: 302007
Ion Ratio Lower Upper
128 100
130 32.5 12.4 52.4
64 45.6 31.6 71.6





#9
Benzaldehyde
Concen: 27.674 ng
RT: 6.228 min Scan# 704
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

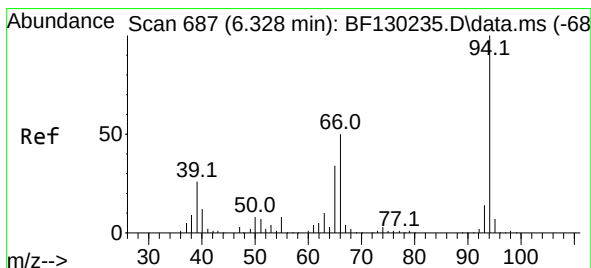
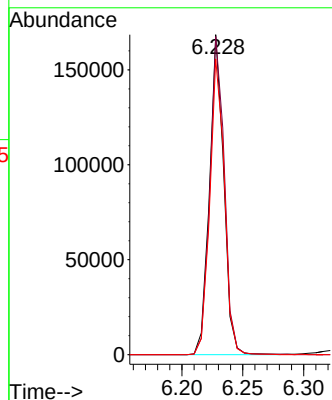


Tgt Ion: 77 Resp: 137029
Ion Ratio Lower Upper
77 100
105 99.4 75.1 115.1
106 92.4 69.7 109.7

Manual Integrations
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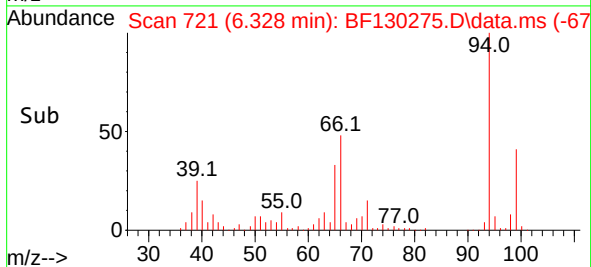
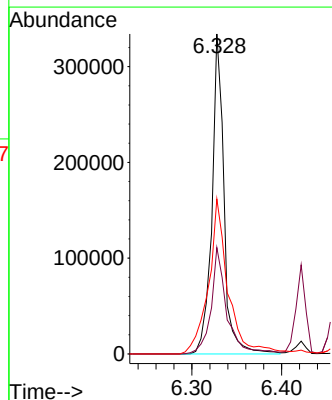
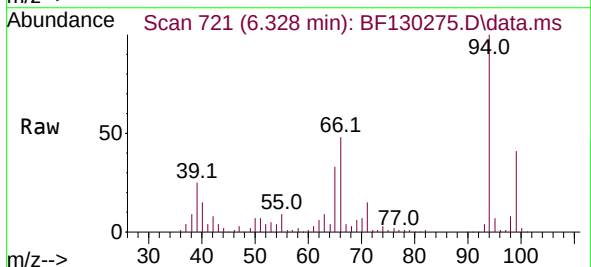
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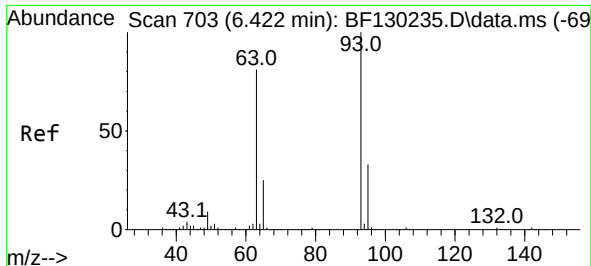
Supervised By :Jagrit
Upadhyay
09/16/2022



#10
Phenol
Concen: 36.306 ng
RT: 6.328 min Scan# 721
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

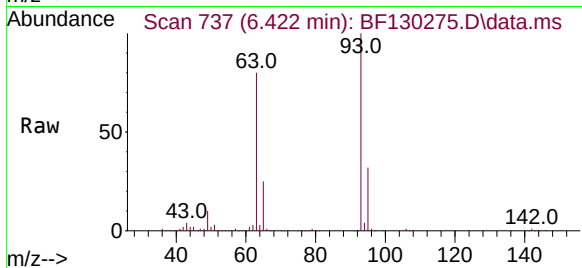
Tgt Ion: 94 Resp: 314511
Ion Ratio Lower Upper
94 100
65 33.2 14.1 54.1
66 48.4 28.1 68.1





#11
bis(2-Chloroethyl)ether
Concen: 45.269 ng
RT: 6.422 min Scan# 703
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

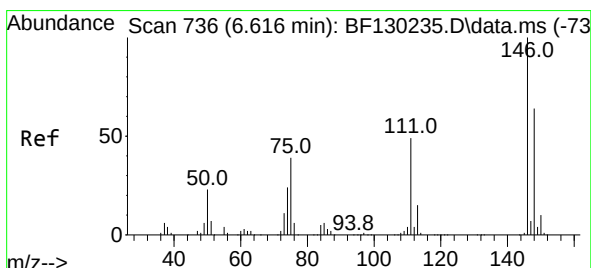
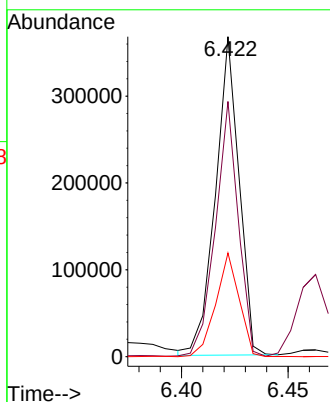
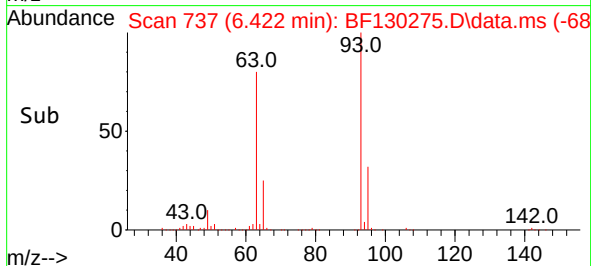


Tgt Ion: 93 Resp: 282853
Ion Ratio Lower Upper
93 100
63 79.7 62.5 102.5
95 32.4 12.5 52.5

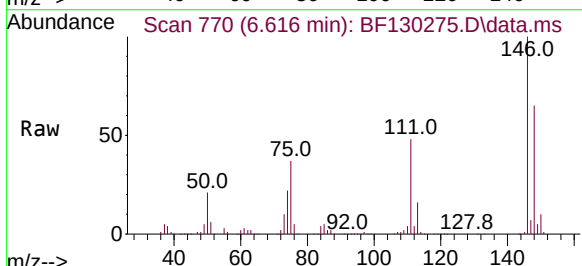
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Reviewed By :Christian
Giraldo
09/16/2022

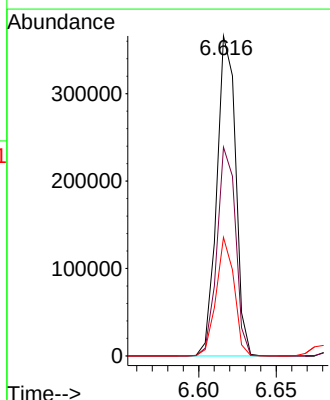
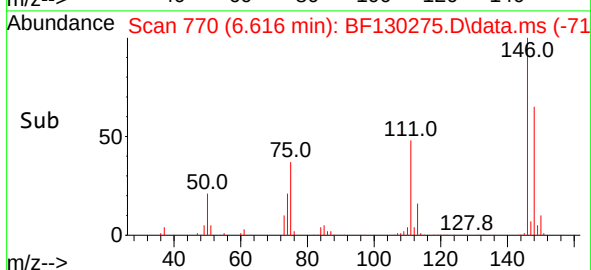
Supervised By :Jagrit
Upadhyay
09/16/2022

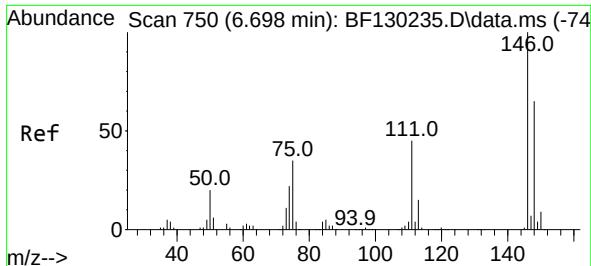


#12
1,3-Dichlorobenzene
Concen: 42.058 ng
RT: 6.616 min Scan# 770
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13



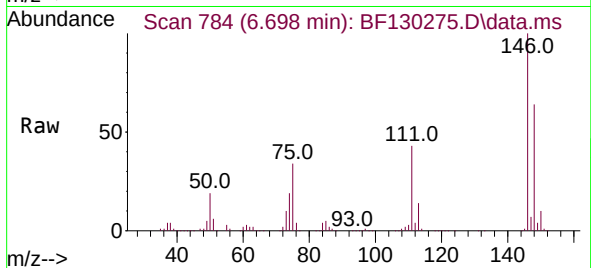
Tgt Ion:146 Resp: 311437
Ion Ratio Lower Upper
146 100
148 65.2 51.4 77.2
75 37.0 28.8 43.2





#13
1,4-Dichlorobenzene
Concen: 42.924 ng
RT: 6.698 min Scan# 74
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

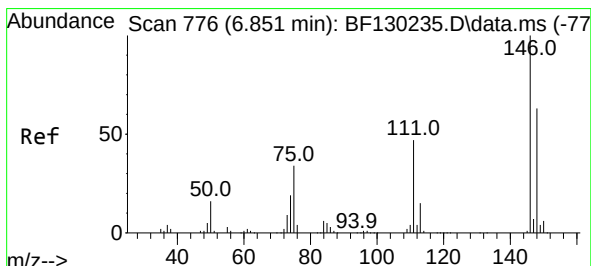
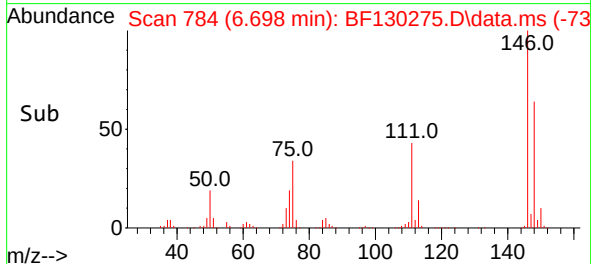
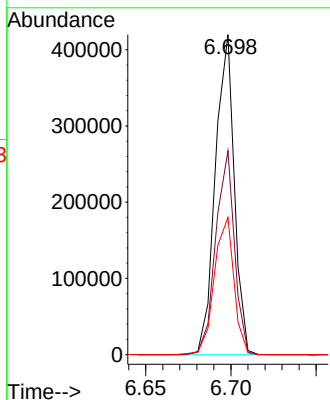


Tgt Ion:146 Resp: 324129
Ion Ratio Lower Upper
146 100
148 63.7 50.3 75.5
111 42.9 36.3 54.5

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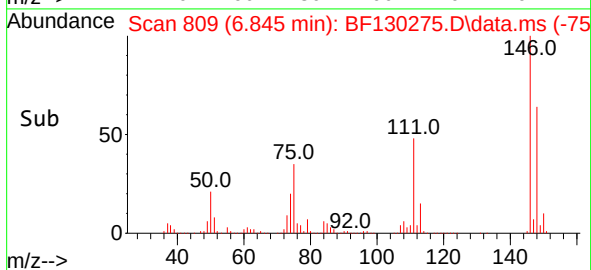
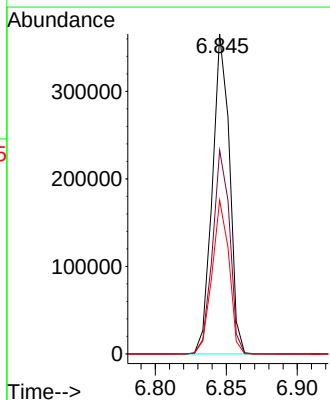
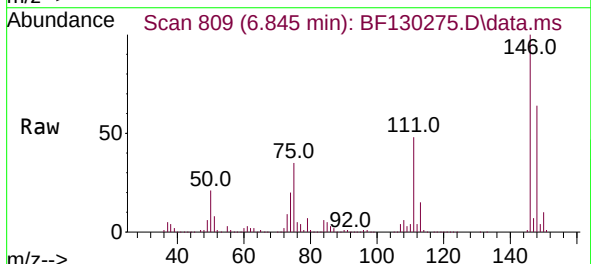
Reviewed By :Christian
Giraldo
09/16/2022

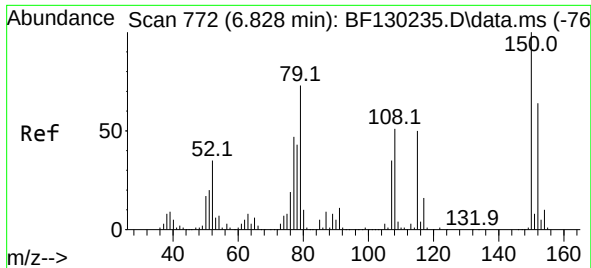
Supervised By :Jagrit
Upadhyay
09/16/2022



#14
1,2-Dichlorobenzene
Concen: 43.550 ng
RT: 6.845 min Scan# 809
Delta R.T. -0.006 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

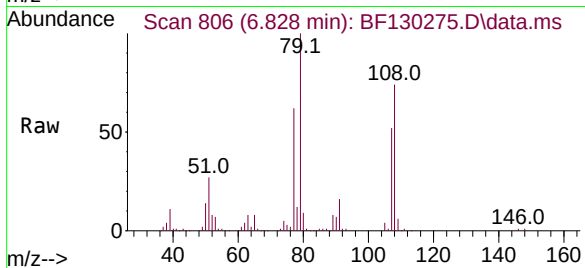
Tgt Ion:146 Resp: 307208
Ion Ratio Lower Upper
146 100
148 63.7 51.6 77.4
111 48.0 39.2 58.8





#15
Benzyl Alcohol
Concen: 33.062 ng
RT: 6.828 min Scan# 806
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

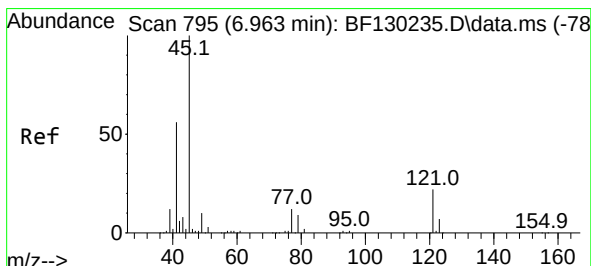
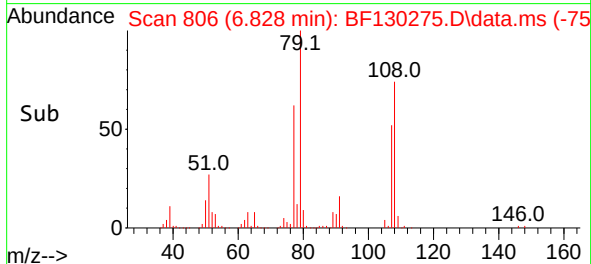
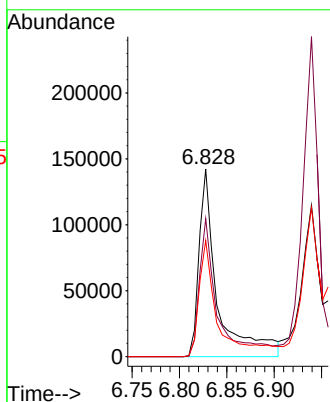


Tgt Ion: 79 Resp: 193776
Ion Ratio Lower Upper
79 100
108 73.6 54.0 81.0
77 61.9 51.3 76.9

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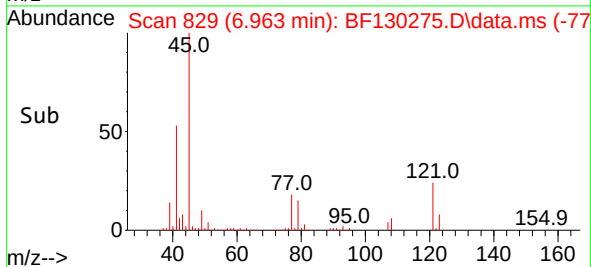
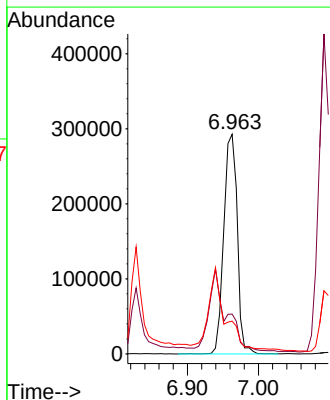
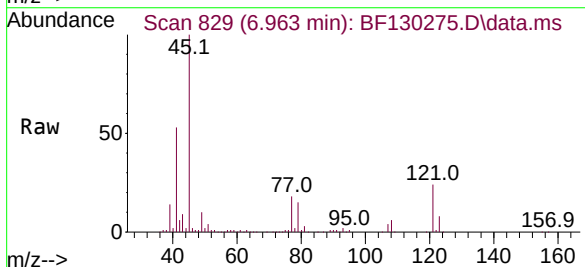
Reviewed By :Christian
Giraldo
09/16/2022

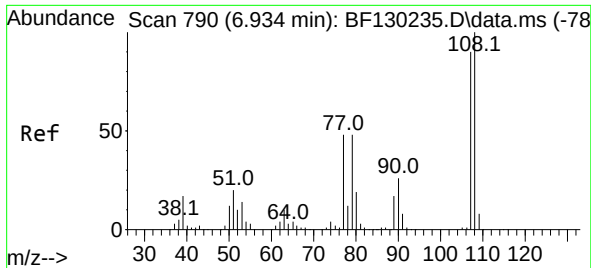
Supervised By :Jagrut
Upadhyay
09/16/2022



#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.344 ng
RT: 6.963 min Scan# 829
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

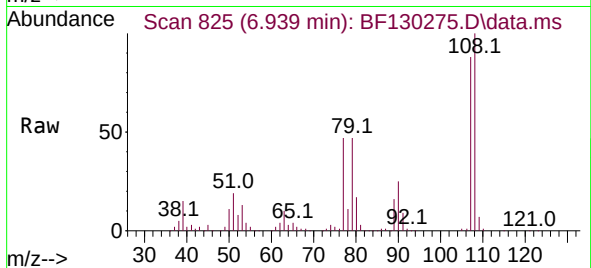
Tgt Ion: 45 Resp: 385884
Ion Ratio Lower Upper
45 100
77 18.1 0.0 34.9
79 14.9 0.0 31.0





#17
2-Methylphenol
Concen: 48.671 ng
RT: 6.939 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

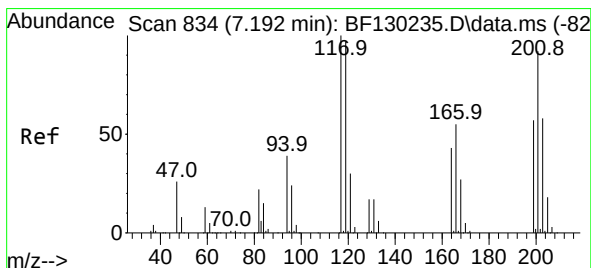
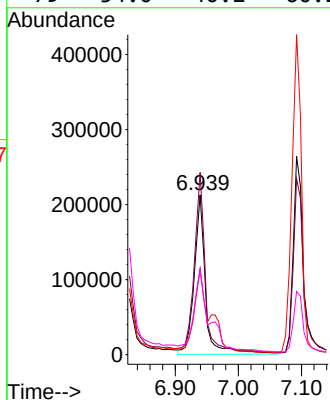
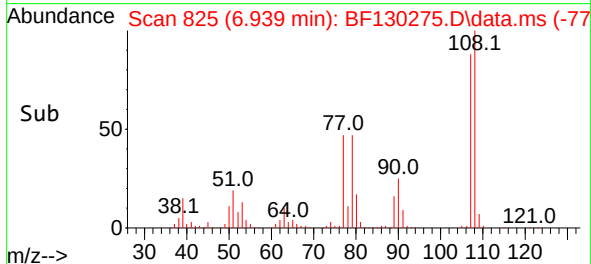


Tgt Ion:	107	Resp:	266262
Ion	Ratio	Lower	Upper
107	100		
108	114.0	89.4	134.0
77	53.1	40.6	60.8
79	54.0	40.2	60.2

Manual Integrations
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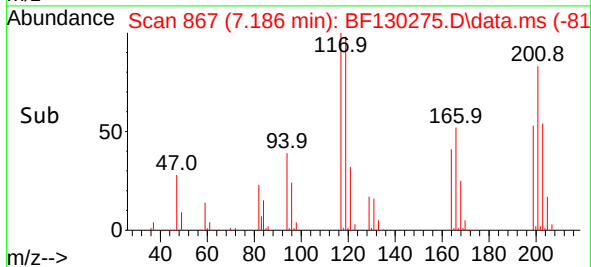
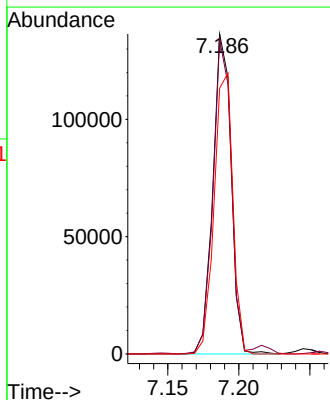
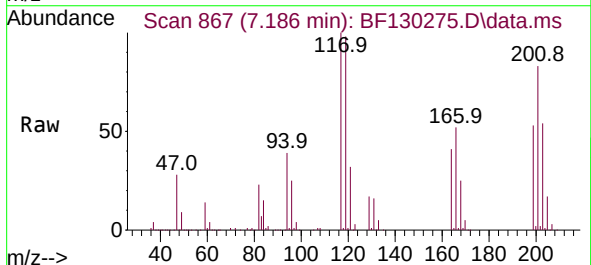
Reviewed By :Christian
Giraldo
09/16/2022

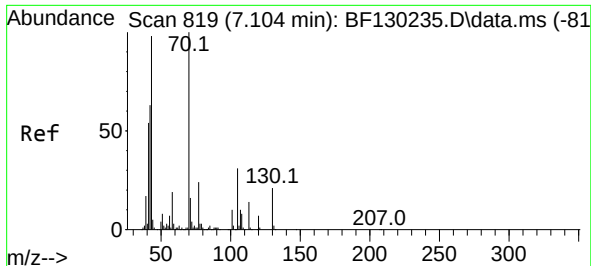
Supervised By :Jagrit
Upadhyay
09/16/2022



#18
Hexachloroethane
Concen: 41.196 ng
RT: 7.186 min Scan# 867
Delta R.T. -0.006 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Tgt Ion:	117	Resp:	122621
Ion	Ratio	Lower	Upper
117	100		
119	98.3	77.8	116.6
201	83.0	68.7	103.1





#19

n-Nitroso-di-n-propylamine

Concen: 44.291 ng

RT: 7.104 min Scan# 819

Delta R.T. 0.000 min

Lab File: BF130275.D

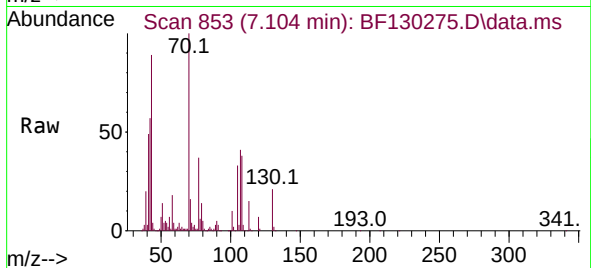
Acq: 15 Sep 2022 17:13

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MSD



Tgt Ion: 70 Resp: 220923

Ion Ratio Lower Upper

70 100

42 57.4 50.8 76.2

101 9.8 8.2 12.4

130 21.1 16.6 25.0

Manual Integrations

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Reviewed By :Christian

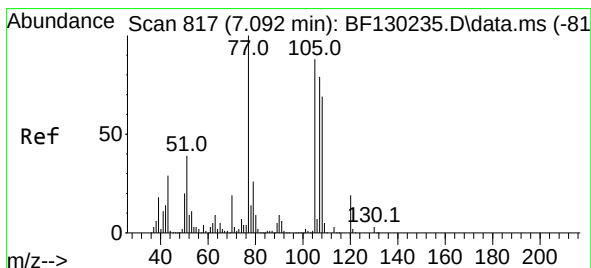
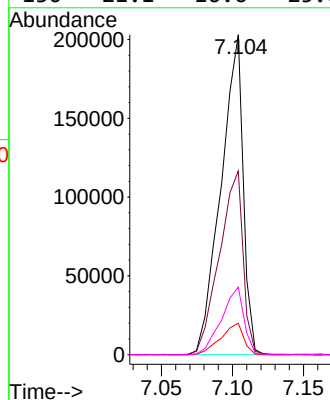
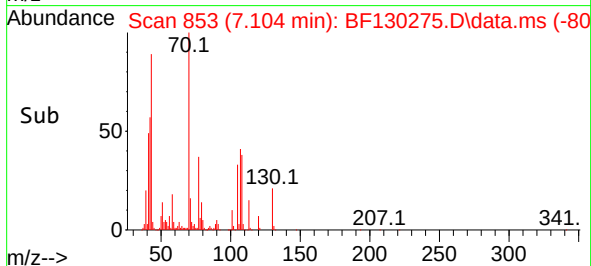
Giraldo

09/16/2022

Supervised By :Jagrut

Upadhyay

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#20

3+4-Methylphenols

Concen: 41.765 ng

RT: 7.092 min Scan# 851

Delta R.T. 0.000 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

Tgt Ion:107 Resp: 296811

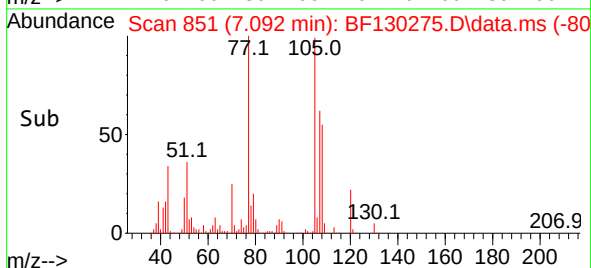
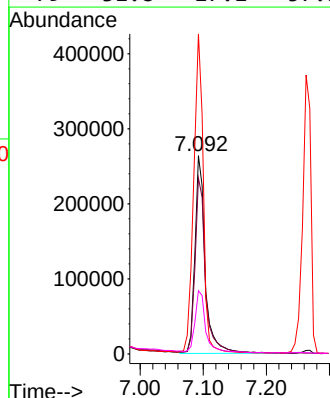
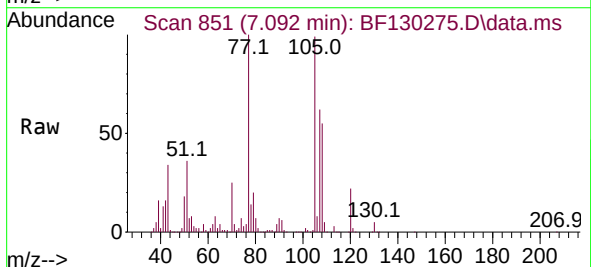
Ion Ratio Lower Upper

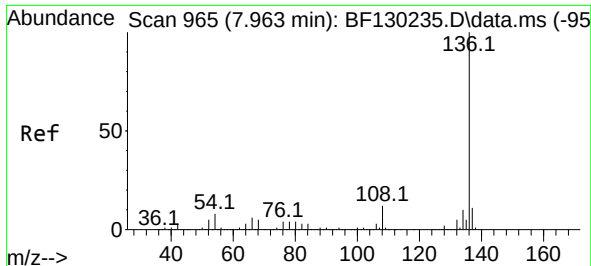
107 100

108 88.7 74.8 114.8

77 161.4 125.8 165.8

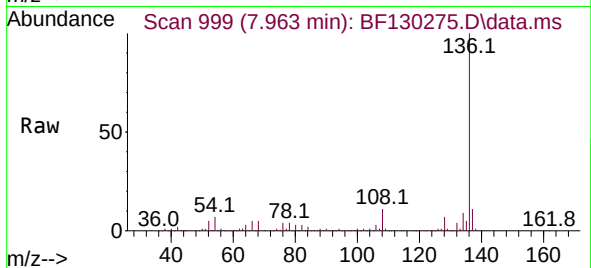
79 31.8 17.1 57.1





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 7.963 min Scan# 965
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

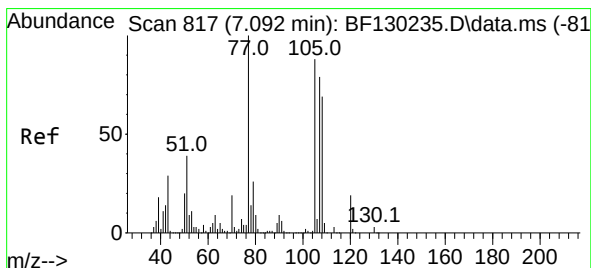
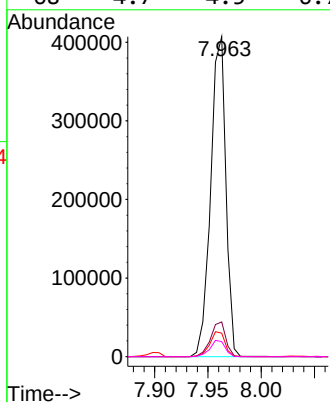
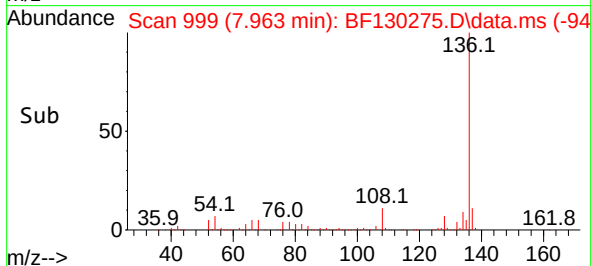


Tgt Ion:136 Resp: 404140
Ion Ratio Lower Upper
136 100
137 10.8 9.1 13.7
54 7.3 7.1 10.7
68 4.7 4.5 6.7

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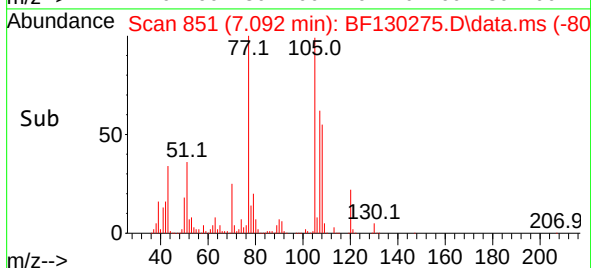
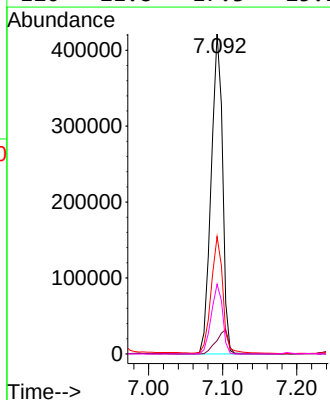
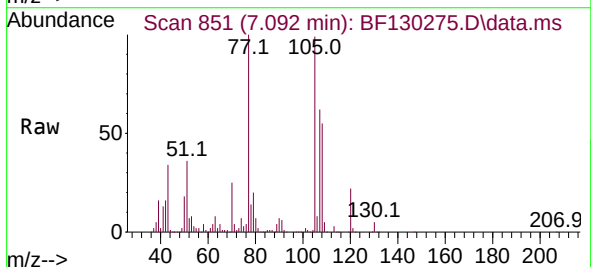
Reviewed By :Christian
Giraldo
09/16/2022

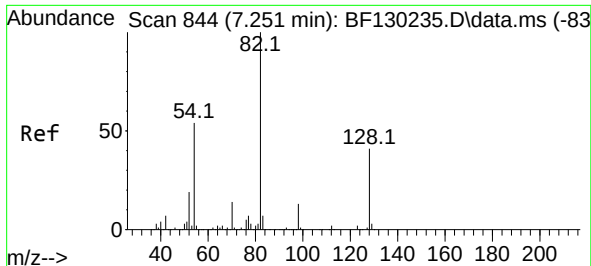
Supervised By :Jagrit
Upadhyay
09/16/2022



#22
Acetophenone
Concen: 45.622 ng
RT: 7.092 min Scan# 851
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

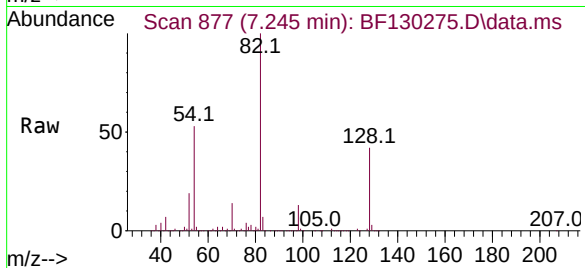
Tgt Ion:105 Resp: 450771
Ion Ratio Lower Upper
105 100
71 4.1 3.9 5.9
51 36.7 32.2 48.2
120 21.8 17.3 25.9





#23
Nitrobenzene-d5
Concen: 82.876 ng
RT: 7.245 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

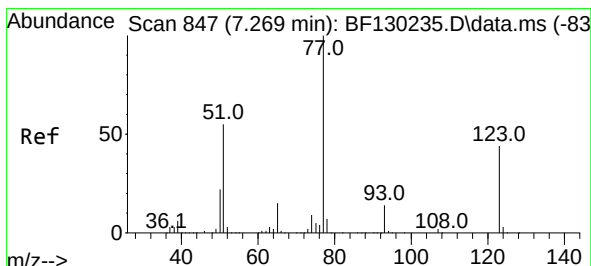
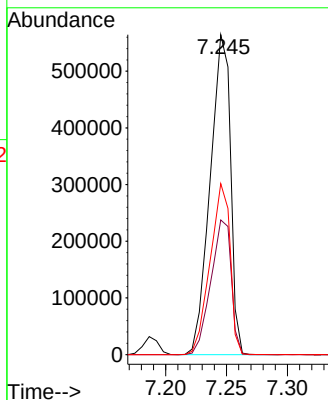
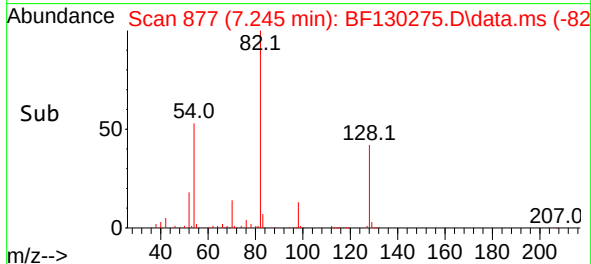


Tgt Ion: 82 Resp: 655599
Ion Ratio Lower Upper
82 100
128 42.1 32.6 49.0
54 53.4 43.8 65.6

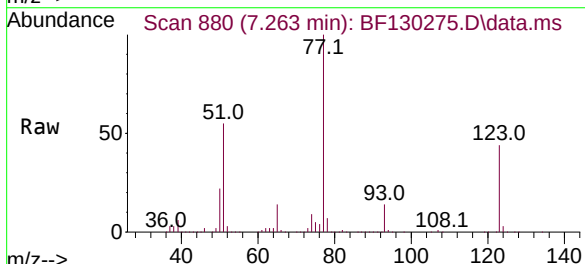
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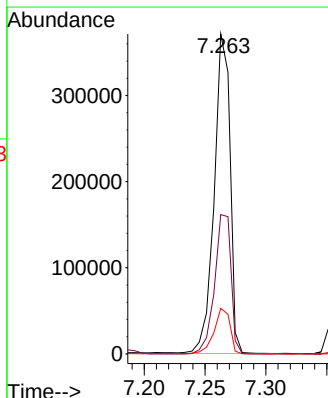
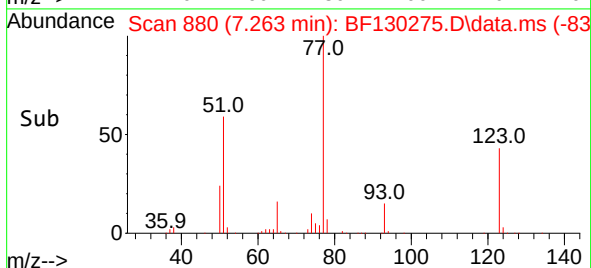
Supervised By :Jagrut
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09/16/2022

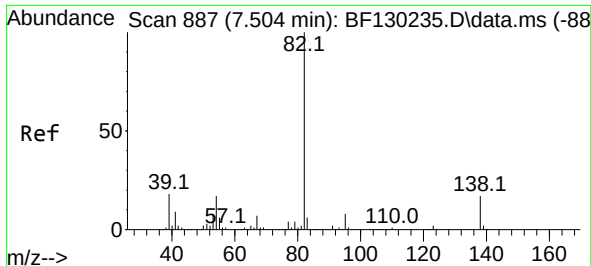


#24
Nitrobenzene
Concen: 42.028 ng
RT: 7.263 min Scan# 880
Delta R.T. -0.006 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13



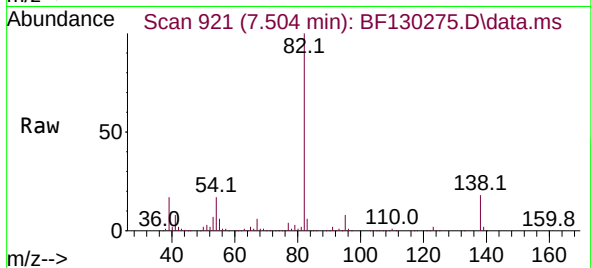
Tgt Ion: 77 Resp: 337586
Ion Ratio Lower Upper
77 100
123 43.5 34.3 51.5
65 14.3 12.0 18.0





#25
Isophorone
Concen: 46.130 ng
RT: 7.504 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

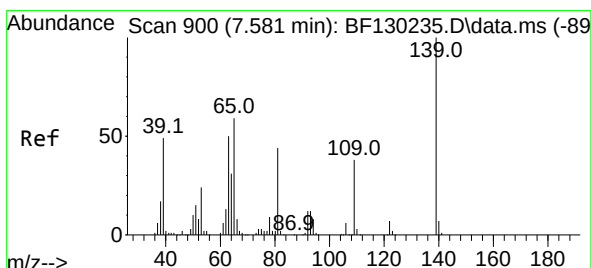
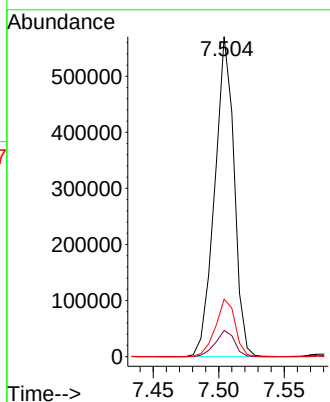
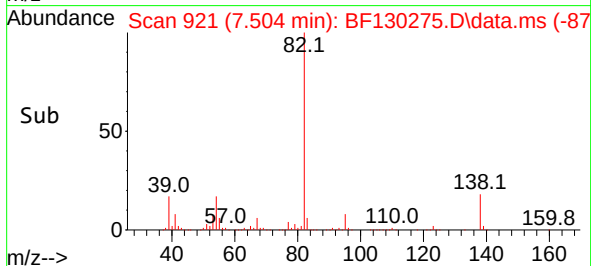


Tgt Ion: 82 Resp: 588162
Ion Ratio Lower Upper
82 100
95 8.2 6.4 9.6
138 18.0 13.8 20.6

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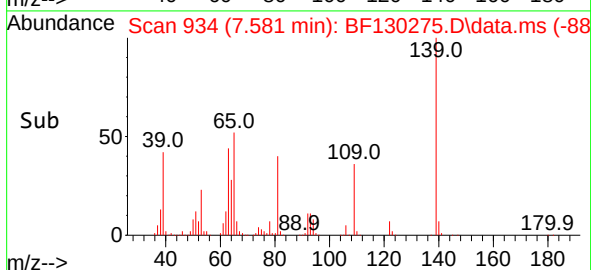
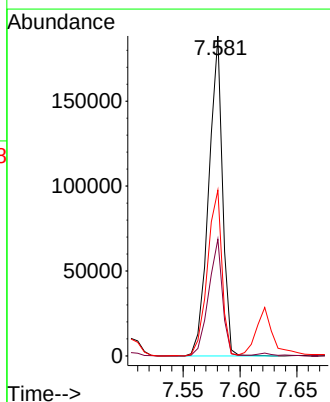
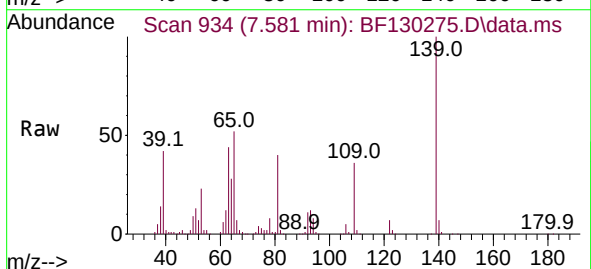
Reviewed By :Christian
Giraldo
09/16/2022

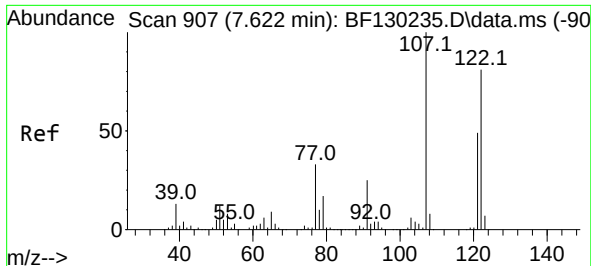
Supervised By :Jagrut
Upadhyay
09/16/2022



#26
2-Nitrophenol
Concen: 48.496 ng
RT: 7.581 min Scan# 934
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Tgt Ion:139 Resp: 159686
Ion Ratio Lower Upper
139 100
109 36.5 30.2 45.4
65 51.8 48.9 73.3





#27

2,4-Dimethylphenol

Concen: 52.766 ng

RT: 7.622 min Scan# 941

Delta R.T. 0.000 min

Lab File: BF130275.D

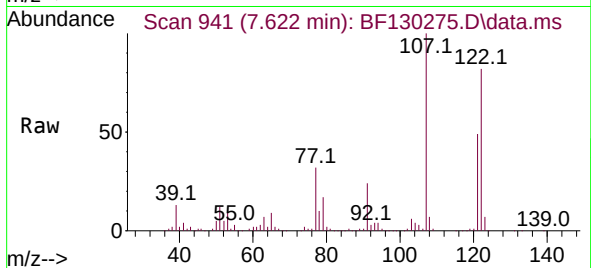
Acq: 15 Sep 2022 17:13

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MSD



Tgt Ion	Ratio	Lower	Upper
122	100		
107	121.8	100.2	150.2
121	59.7	47.8	71.8

Manual Integrations
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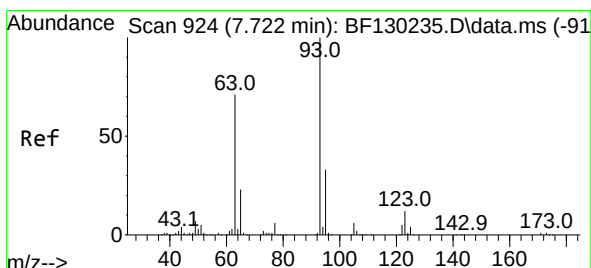
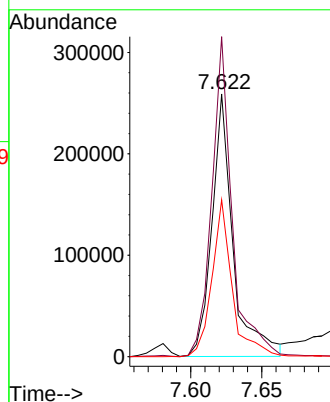
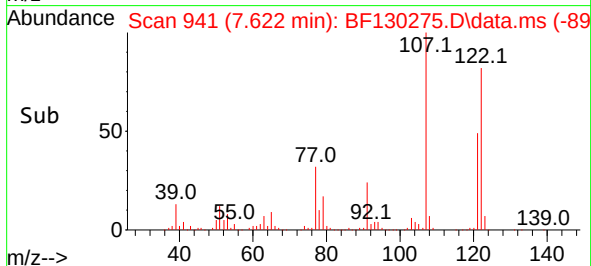
Reviewed By :Christian
Giraldo

09/16/2022

Supervised By :Jagrut

Upadhyay

09/16/2022



#28

bis(2-Chloroethoxy)methane

Concen: 49.061 ng

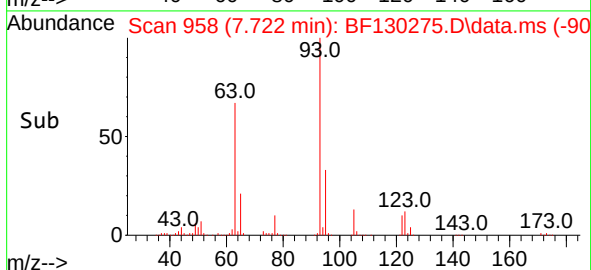
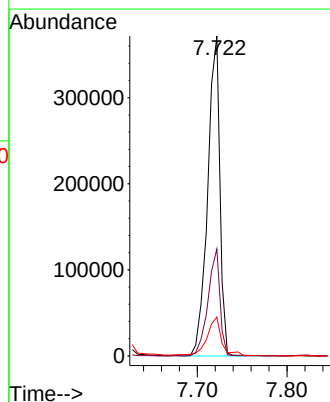
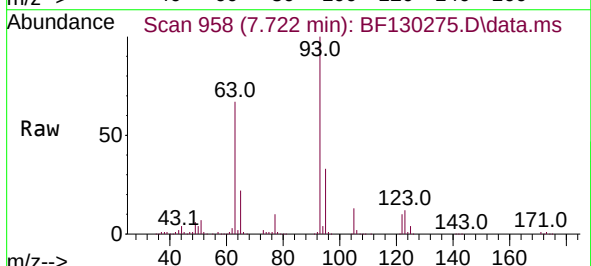
RT: 7.722 min Scan# 958

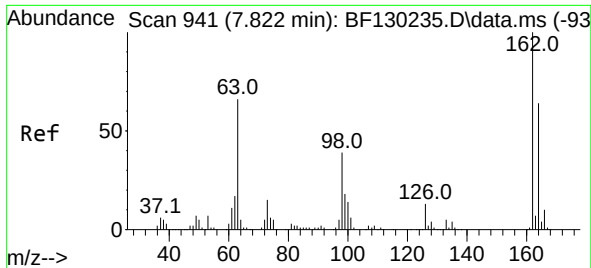
Delta R.T. 0.000 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

Tgt Ion	Ratio	Lower	Upper
93	100		
95	33.4	26.3	39.5
123	12.2	9.4	14.2





#29

2,4-Dichlorophenol

Concen: 45.209 ng

RT: 7.822 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF130275.D

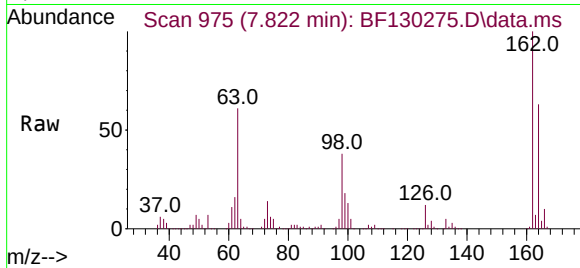
Acq: 15 Sep 2022 17:13

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MSD



Tgt Ion:162 Resp: 251174

Ion Ratio Lower Upper

162 100

164 62.5 42.2 82.2

98 37.8 21.7 61.7

Manual Integrations

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Reviewed By :Christian

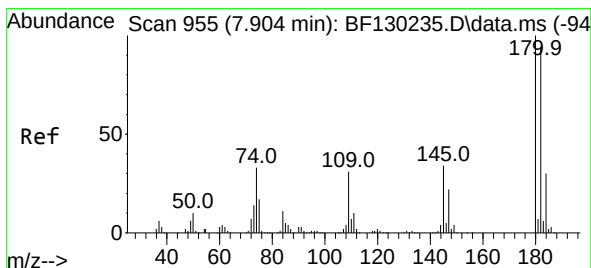
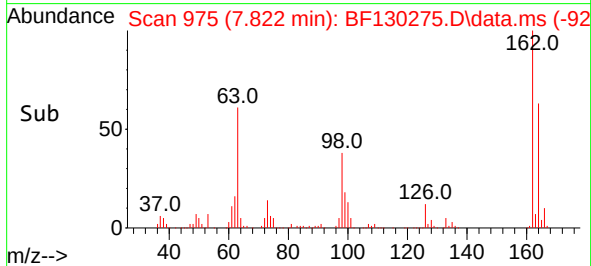
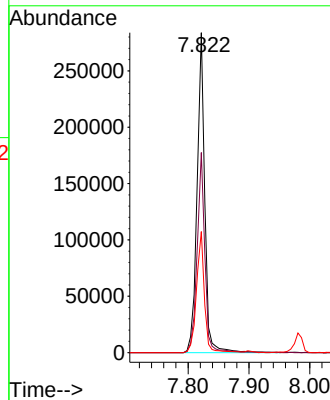
Giraldo

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Upadhyay

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#30

1,2,4-Trichlorobenzene

Concen: 43.203 ng

RT: 7.904 min Scan# 989

Delta R.T. 0.000 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

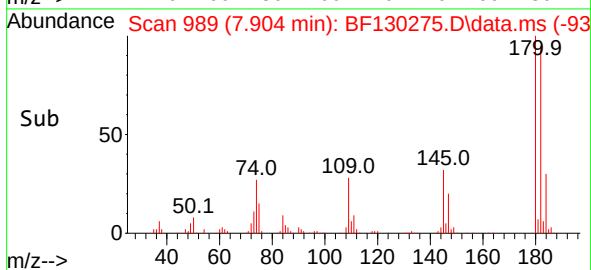
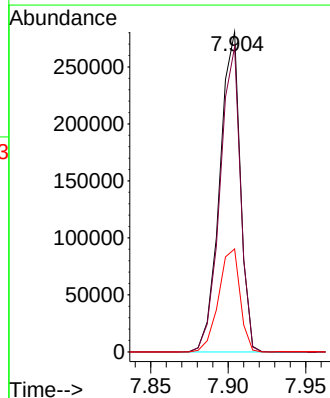
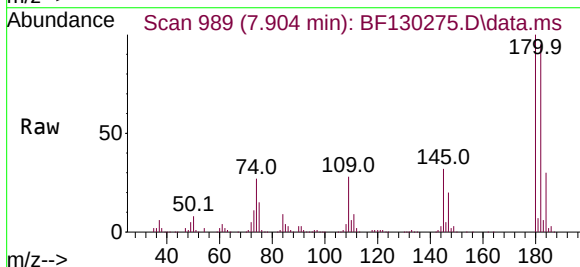
Tgt Ion:180 Resp: 259509

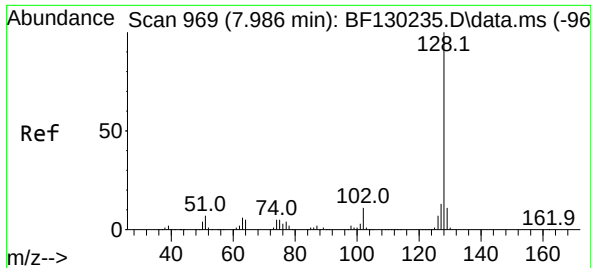
Ion Ratio Lower Upper

180 100

182 95.3 73.3 109.9

145 32.2 28.3 42.5





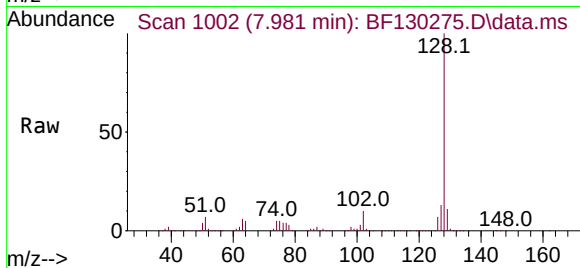
#31
Naphthalene
Concen: 42.856 ng
RT: 7.981 min Scan# 10
Delta R.T. -0.006 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MSD

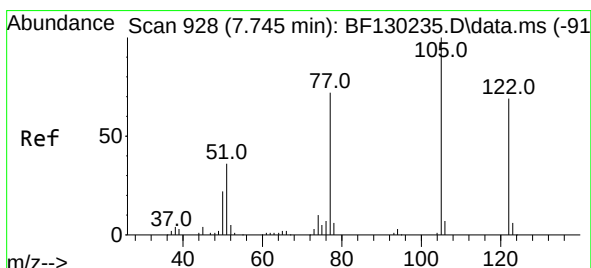
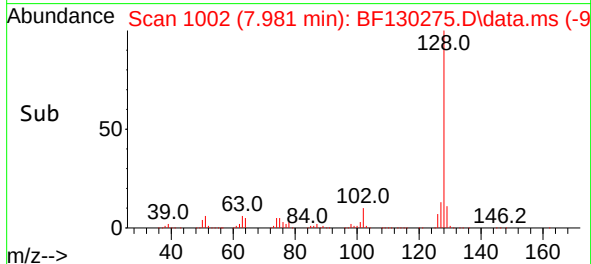
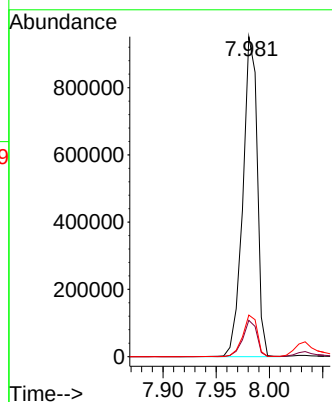


Tgt Ion:128 Resp: 892303
Ion Ratio Lower Upper
128 100
129 11.3 9.1 13.7
127 13.0 10.6 16.0

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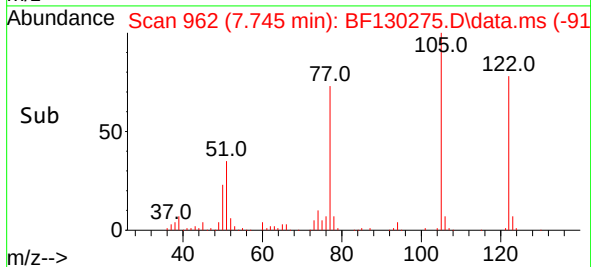
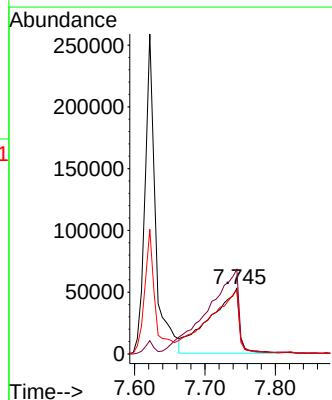
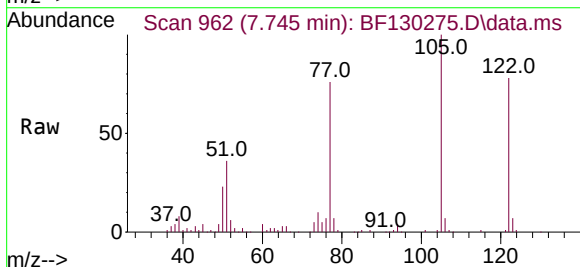
Reviewed By :Christian
Giraldo
09/16/2022

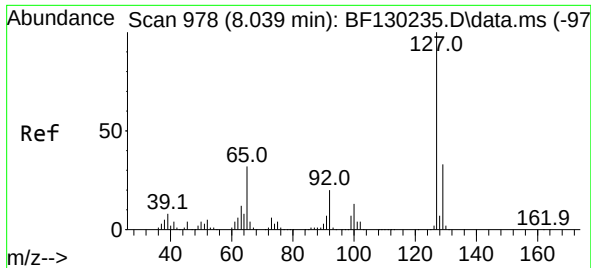
Supervised By :Jagrut
Upadhyay
09/16/2022



#32
Benzoic acid
Concen: 39.459 ng m
RT: 7.745 min Scan# 962
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Tgt Ion:122 Resp: 154707
Ion Ratio Lower Upper
122 100
105 128.9 112.9 152.9
77 97.8 82.8 122.8





#33
4-Chloroaniline
Concen: 8.764 ng
RT: 8.033 min Scan# 1011
Delta R.T. -0.006 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

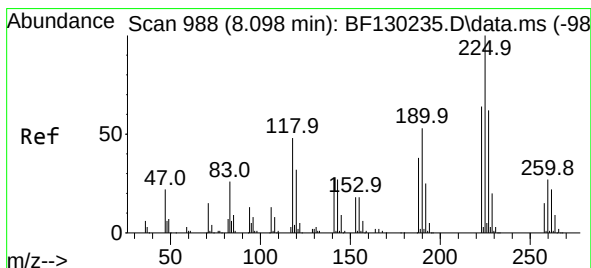
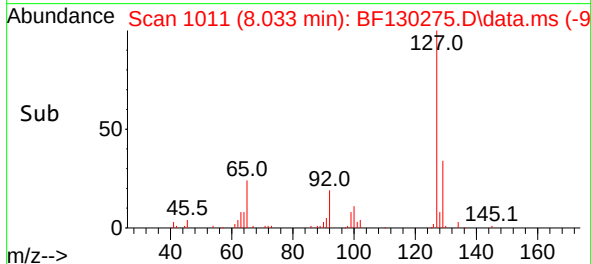
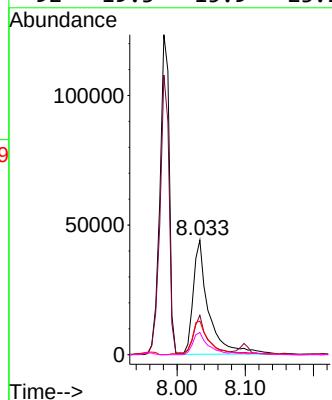
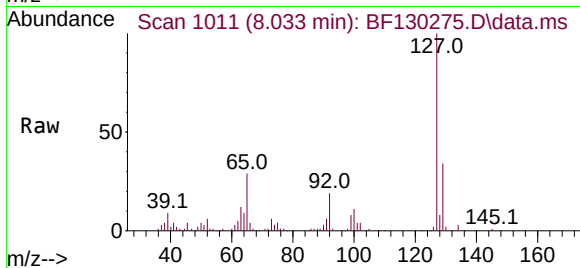
Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

Tgt Ion	Ratio	Lower	Upper
127	100		
129	34.3	25.6	38.4
65	29.3	27.0	40.6
92	19.3	15.9	23.9

Manual Integrations
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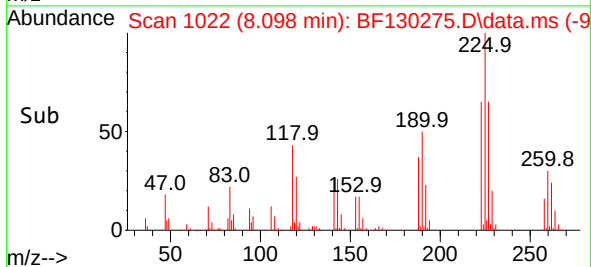
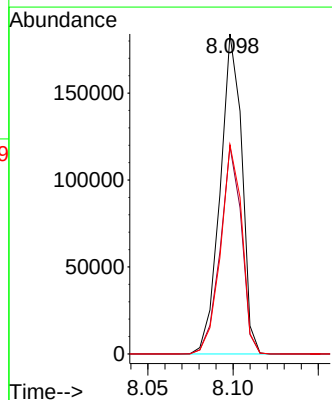
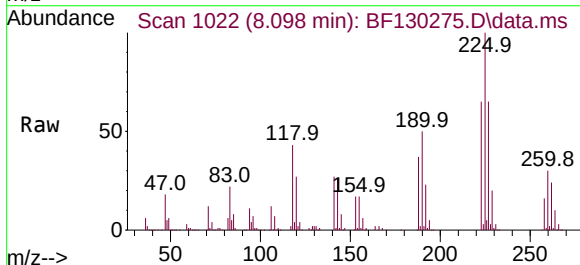
Reviewed By :Christian
Giraldo
09/16/2022

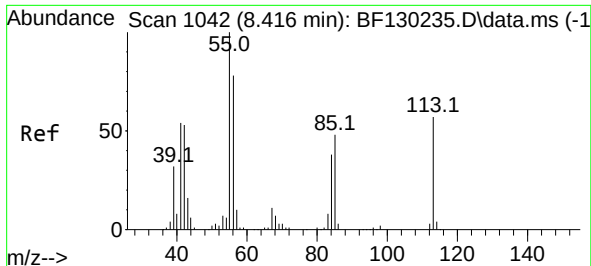
Supervised By :Jagrit
Upadhyay
09/16/2022



#34
Hexachlorobutadiene
Concen: 42.347 ng
RT: 8.098 min Scan# 1022
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

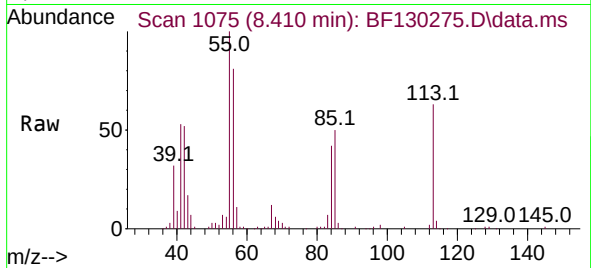
Tgt Ion	Ratio	Lower	Upper
225	100		
223	64.9	50.3	75.5
227	65.3	51.1	76.7





#35
Caprolactam
Concen: 40.024 ng m
RT: 8.410 min Scan# 1075
Delta R.T. -0.006 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

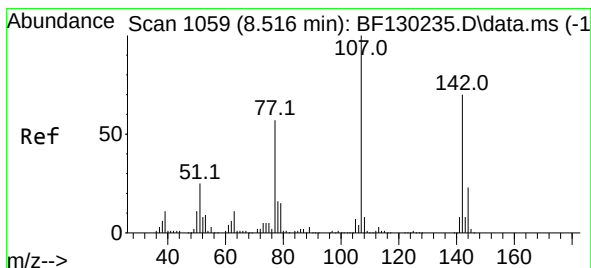
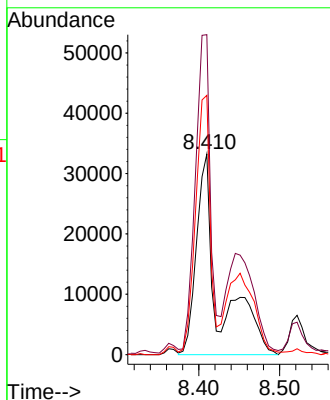
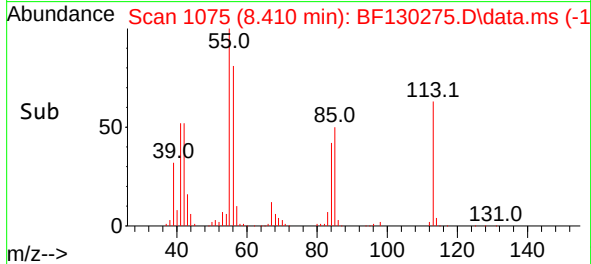


Tgt Ion:113 Resp: 63748
Ion Ratio Lower Upper
113 100
55 159.6 155.4 195.4
56 129.3 120.4 160.4

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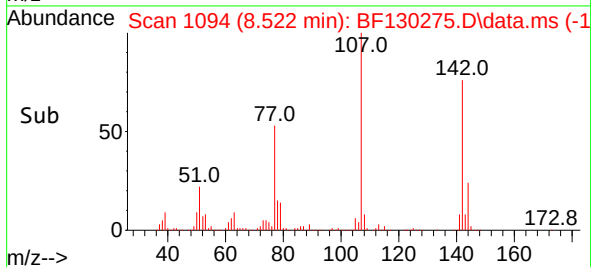
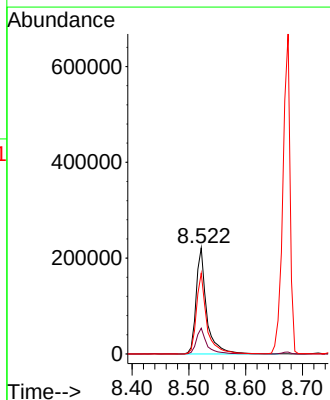
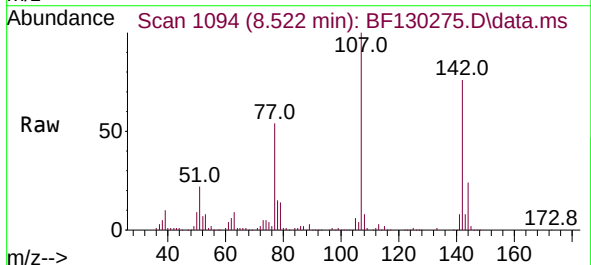
Reviewed By :Christian
Giraldo
09/16/2022

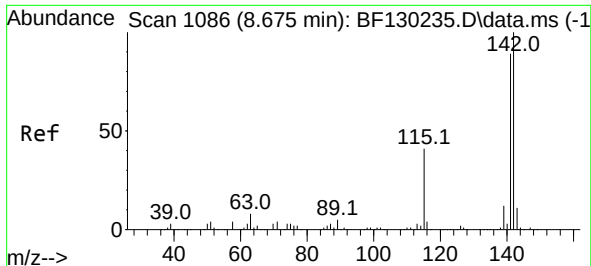
Supervised By :Jagrut
Upadhyay
09/16/2022



#36
4-Chloro-3-methylphenol
Concen: 45.721 ng
RT: 8.522 min Scan# 1094
Delta R.T. 0.006 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Tgt Ion:107 Resp: 281556
Ion Ratio Lower Upper
107 100
144 24.3 20.0 30.0
142 76.2 61.3 91.9





#37

2-Methylnaphthalene

Concen: 44.030 ng

RT: 8.675 min Scan# 1110

Delta R.T. 0.000 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MSD

Tgt Ion:142 Resp: 584510

Ion Ratio Lower Upper

142 100

141 89.6 70.0 105.0

Manual Integrations

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Reviewed By :Christian

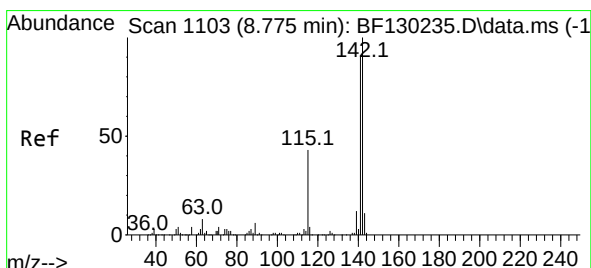
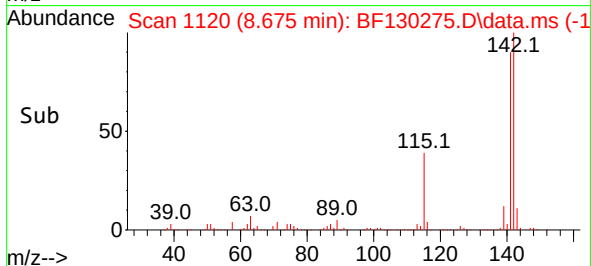
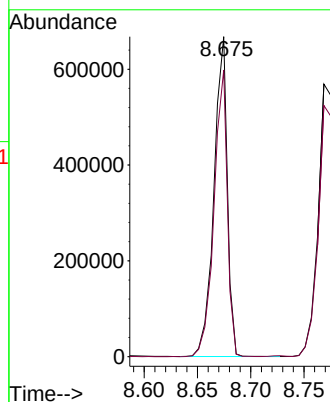
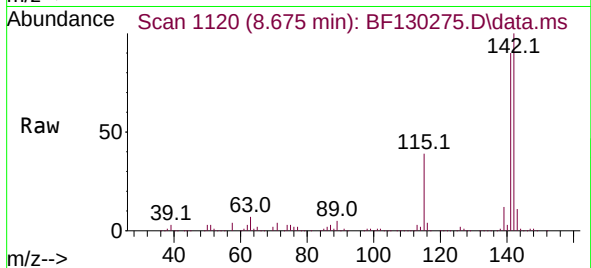
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#38

1-Methylnaphthalene

Concen: 43.178 ng

RT: 8.769 min Scan# 1136

Delta R.T. -0.006 min

Lab File: BF130275.D

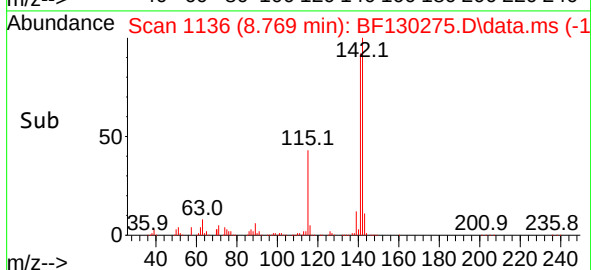
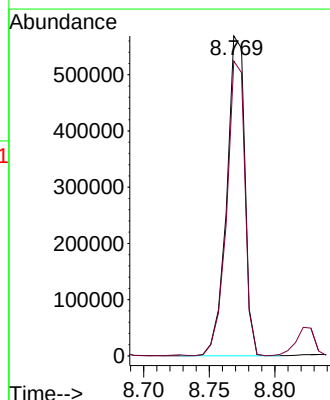
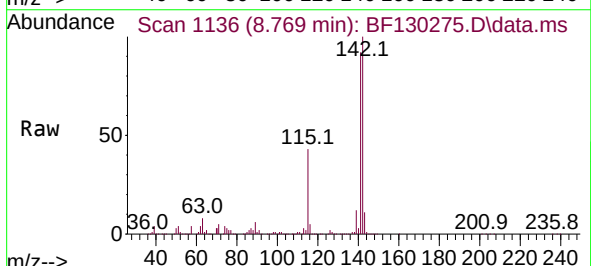
Acq: 15 Sep 2022 17:13

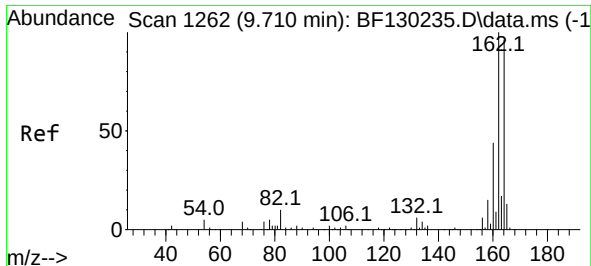
Tgt Ion:142 Resp: 550641

Ion Ratio Lower Upper

142 100

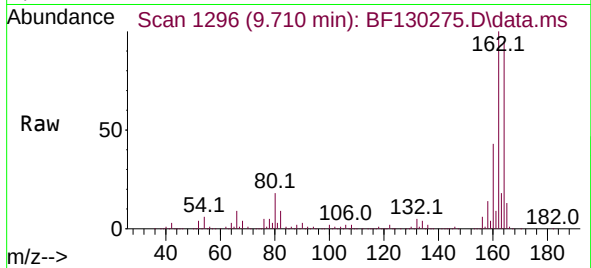
141 92.2 73.8 110.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.710 min Scan# 1148
Delta R.T. -0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

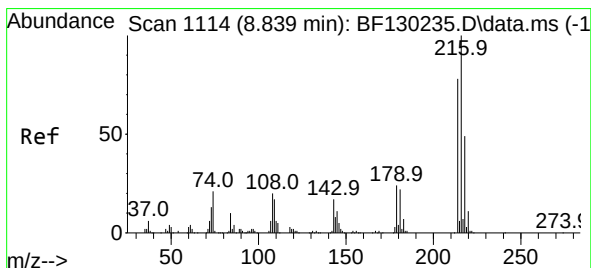
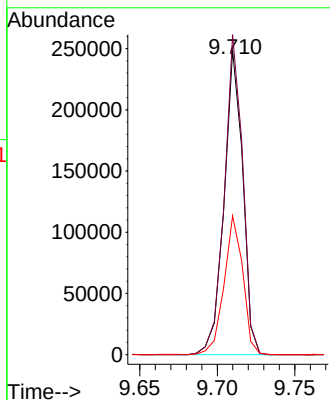
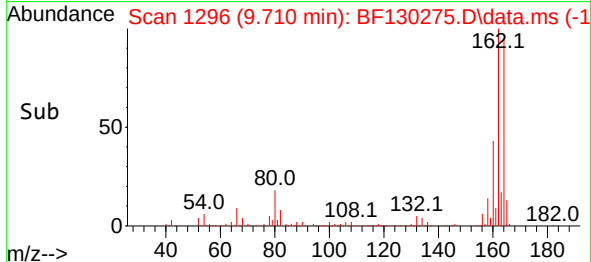


Tgt Ion:164 Resp: 208711
Ion Ratio Lower Upper
164 100
162 105.1 81.4 122.0
160 45.6 36.2 54.4

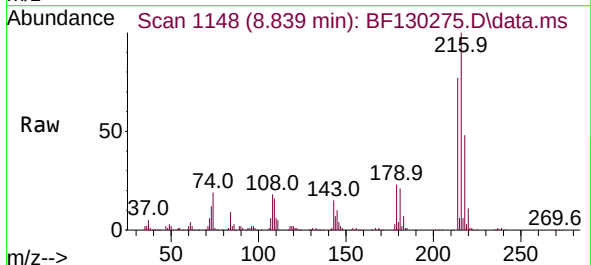
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Reviewed By :Christian
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09/16/2022

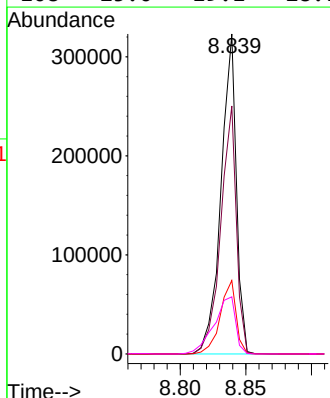
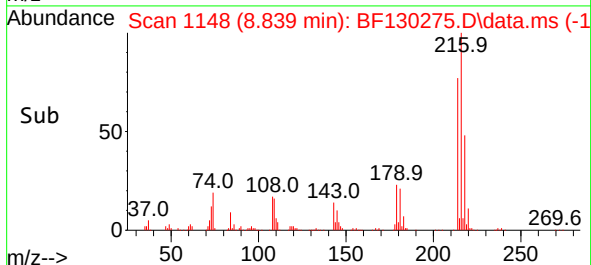
Supervised By :Jagrit
Upadhyay
09/16/2022

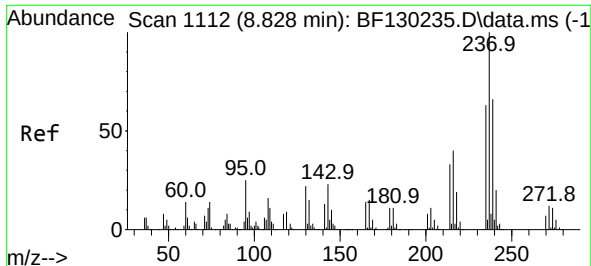


#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.372 ng
RT: 8.839 min Scan# 1148
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13



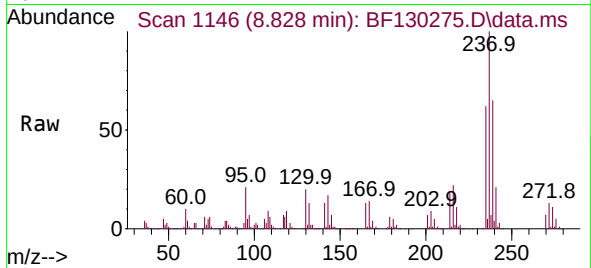
Tgt Ion:216 Resp: 264126
Ion Ratio Lower Upper
216 100
214 78.6 62.8 94.2
179 23.6 19.5 29.3
108 25.0 19.1 28.7





#41
Hexachlorocyclopentadiene
Concen: 112.291 ng
RT: 8.828 min Scan# 1112
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

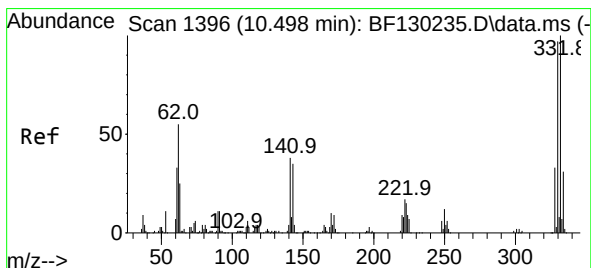
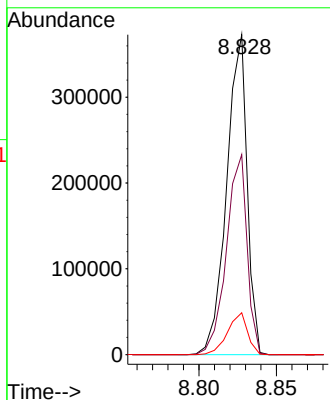
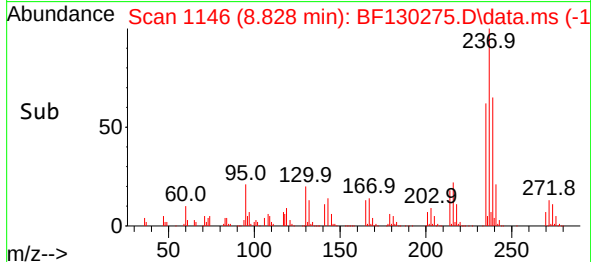


Tgt Ion:237 Resp: 342430
Ion Ratio Lower Upper
237 100
235 62.5 42.5 82.5
272 13.1 0.0 32.8

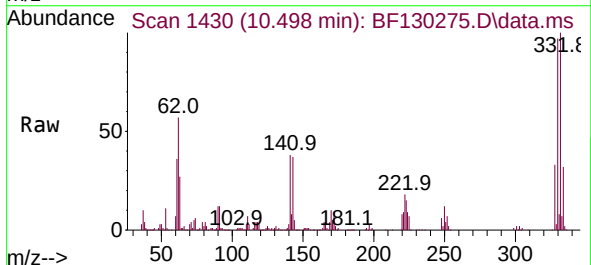
Manual Integrations
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Reviewed By :Christian
Giraldo
09/16/2022

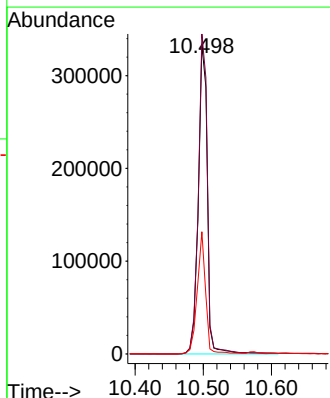
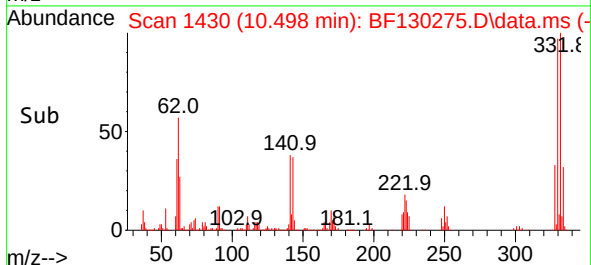
Supervised By :Jagrit
Upadhyay
09/16/2022

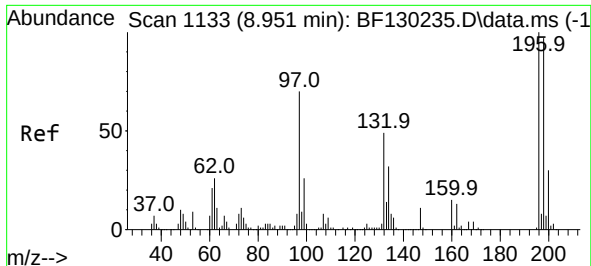


#42
2,4,6-Tribromophenol
Concen: 153.768 ng
RT: 10.498 min Scan# 1430
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13



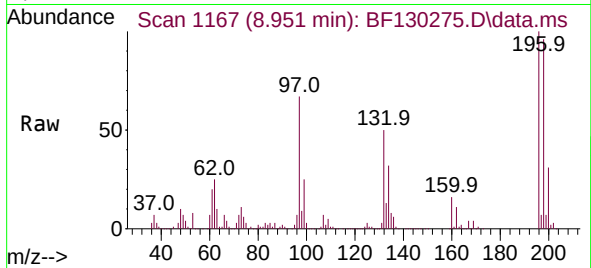
Tgt Ion:330 Resp: 307513
Ion Ratio Lower Upper
330 100
332 104.0 83.4 125.2
141 36.6 34.0 51.0





#43
2,4,6-Trichlorophenol
Concen: 44.279 ng
RT: 8.951 min Scan# 1133
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

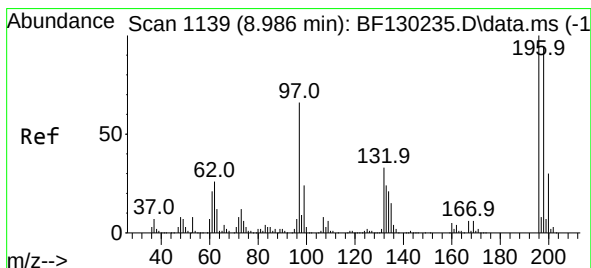
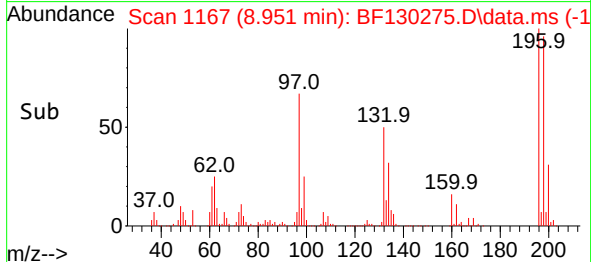
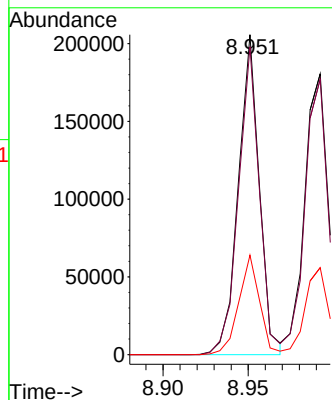


Tgt Ion:196 Resp: 176015
Ion Ratio Lower Upper
196 100
198 96.2 72.4 108.6
200 31.1 23.8 35.6

Manual Integrations
APPROVED

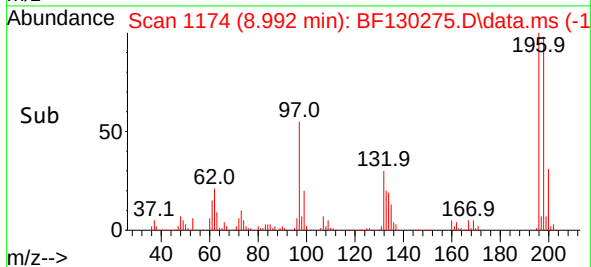
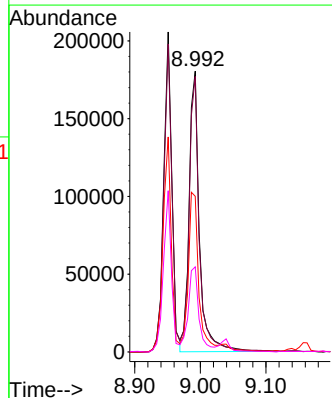
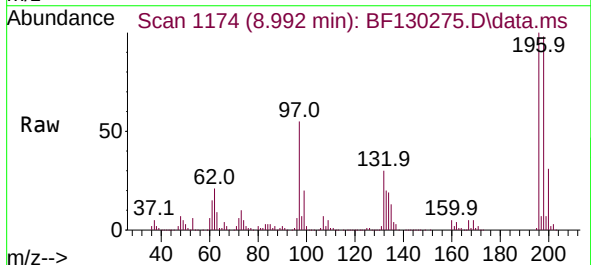
Reviewed By :Christian
Giraldo
09/16/2022

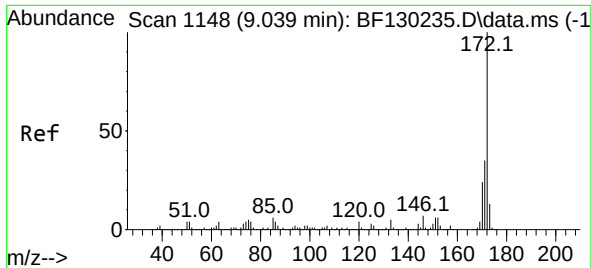
Supervised By :Jagrit
Upadhyay
09/16/2022



#44
2,4,5-Trichlorophenol
Concen: 46.410 ng
RT: 8.992 min Scan# 1174
Delta R.T. 0.006 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

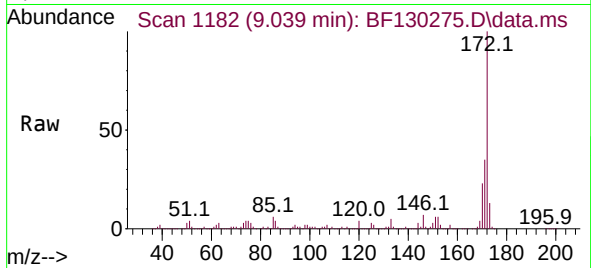
Tgt Ion:196 Resp: 199081
Ion Ratio Lower Upper
196 100
198 98.1 74.8 112.2
97 55.5 43.7 65.5
132 30.3 22.8 34.2





#45
2-Fluorobiphenyl
Concen: 84.239 ng
RT: 9.039 min Scan# 1148
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

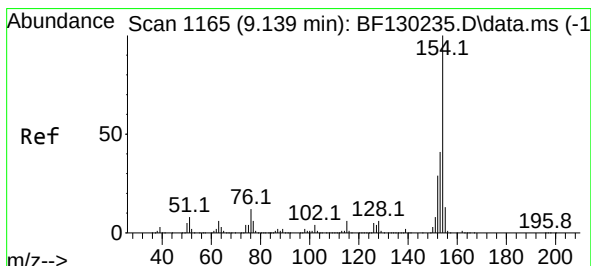
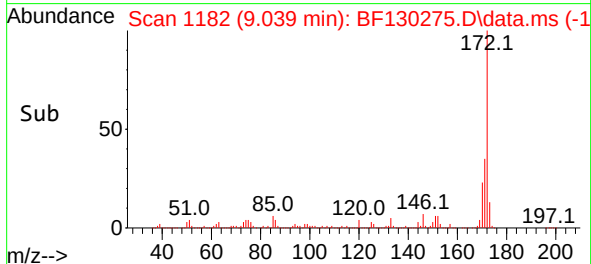
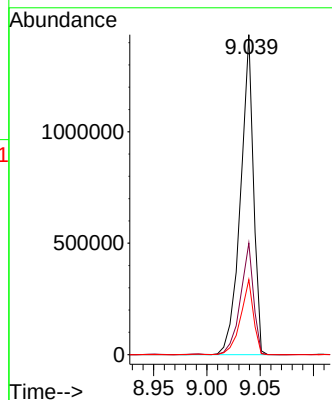


Tgt Ion:172 Resp: 1207362
Ion Ratio Lower Upper
172 100
171 34.9 28.3 42.5
170 23.4 18.7 28.1

Manual Integrations
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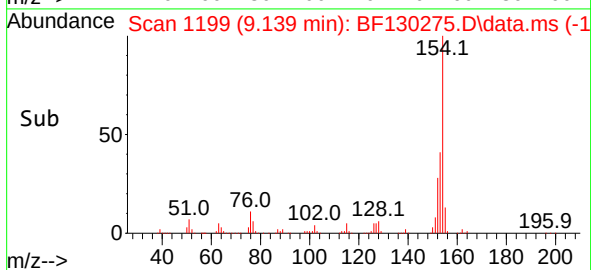
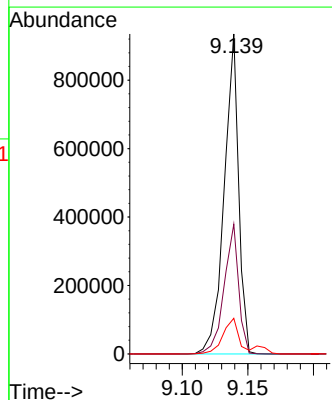
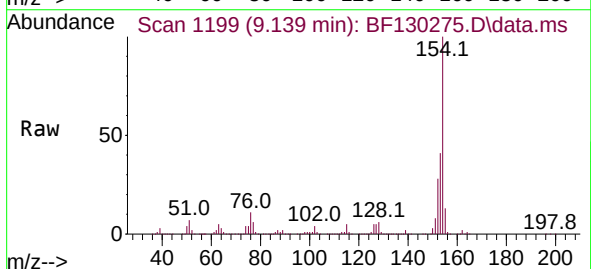
Reviewed By :Christian
Giraldo
09/16/2022

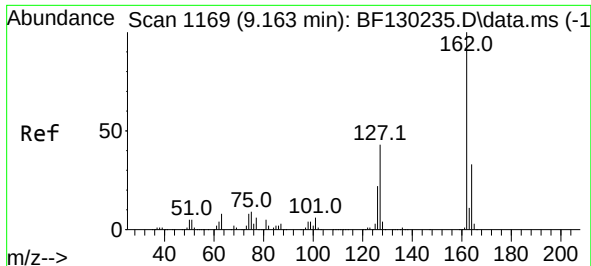
Supervised By :Jagrit
Upadhyay
09/16/2022



#46
1,1'-Biphenyl
Concen: 46.000 ng
RT: 9.139 min Scan# 1199
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

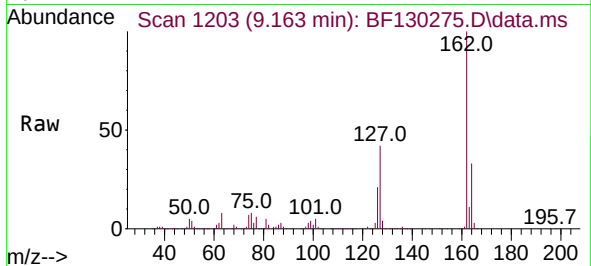
Tgt Ion:154 Resp: 717024
Ion Ratio Lower Upper
154 100
153 40.5 20.0 60.0
76 11.2 0.0 33.3





#47
2-Chloronaphthalene
Concen: 44.326 ng
RT: 9.163 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

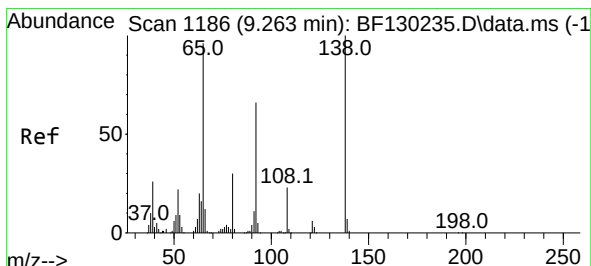
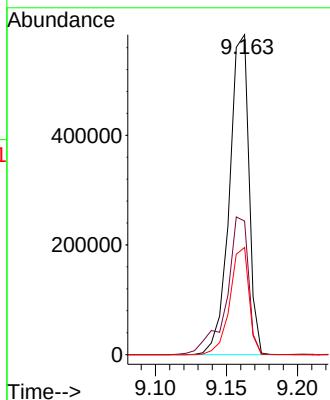
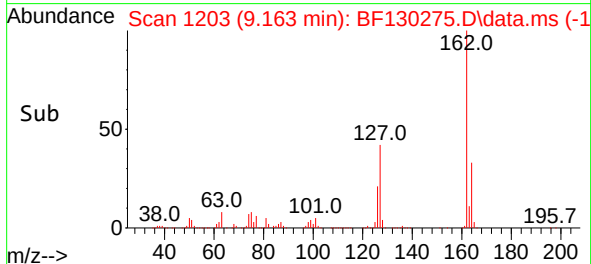


Tgt Ion: 162 Resp: 558923
Ion Ratio Lower Upper
162 100
127 41.7 35.9 53.9
164 33.5 26.2 39.2

Manual Integrations
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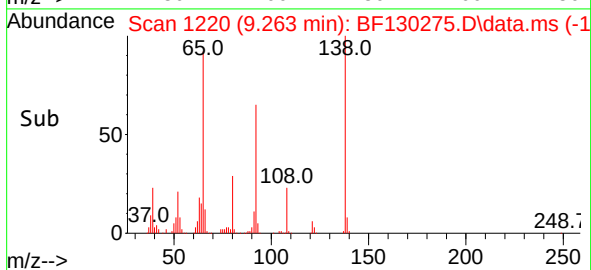
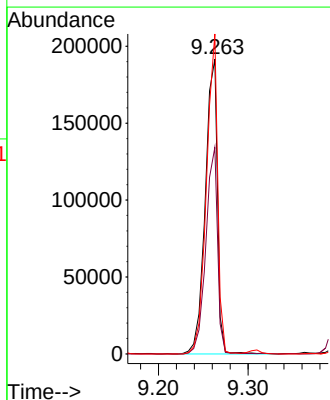
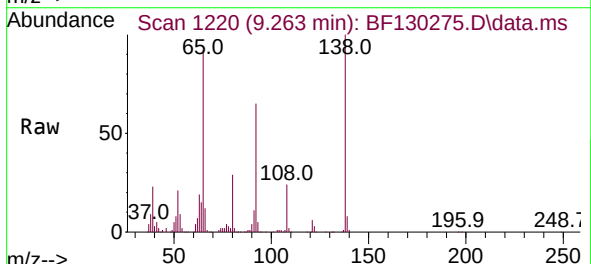
Reviewed By :Christian
Giraldo
09/16/2022

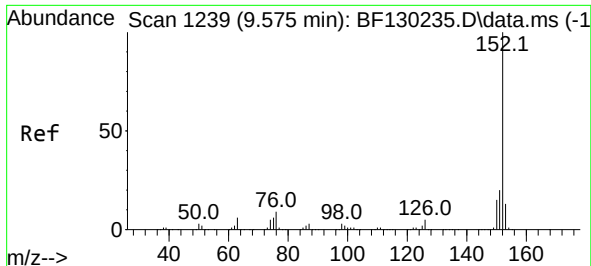
Supervised By :Jagrit
Upadhyay
09/16/2022



#48
2-Nitroaniline
Concen: 42.931 ng
RT: 9.263 min Scan# 1220
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

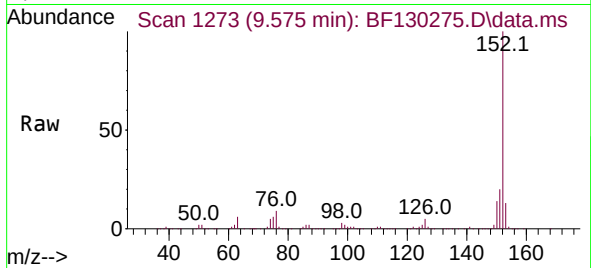
Tgt Ion: 65 Resp: 180549
Ion Ratio Lower Upper
65 100
92 70.1 52.2 78.4
138 108.6 77.0 115.4





#49
Acenaphthylene
Concen: 44.008 ng
RT: 9.575 min Scan# 1239
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

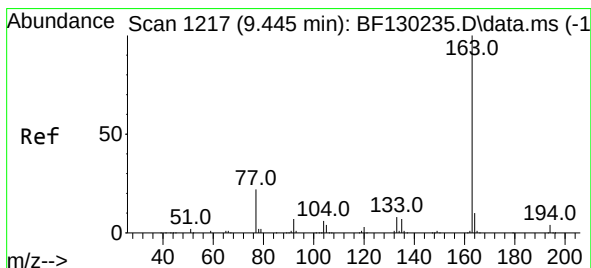
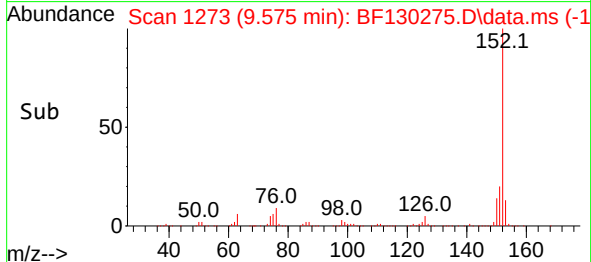
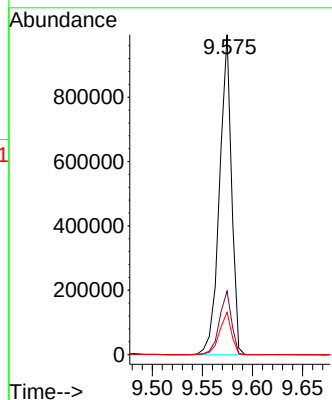


Tgt Ion:152 Resp: 832003
Ion Ratio Lower Upper
152 100
151 19.8 16.2 24.2
153 13.2 10.6 15.8

Manual Integrations
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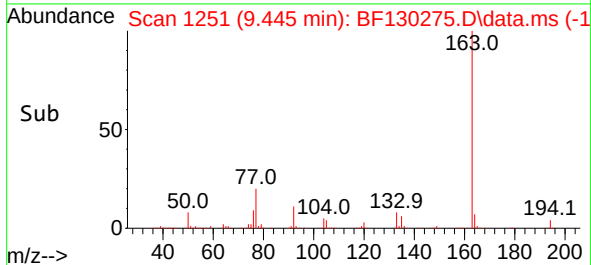
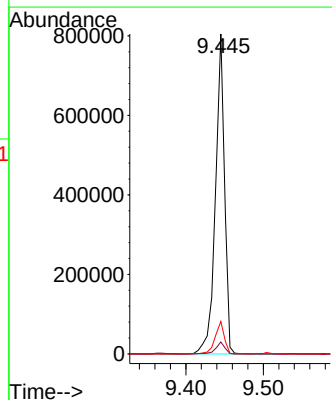
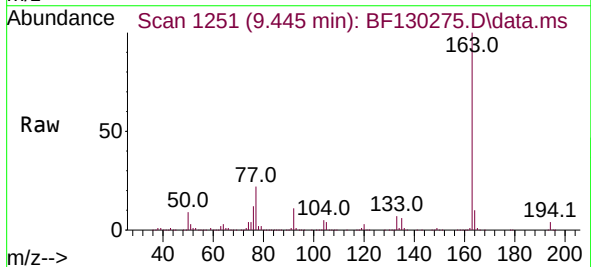
Reviewed By :Christian
Giraldo
09/16/2022

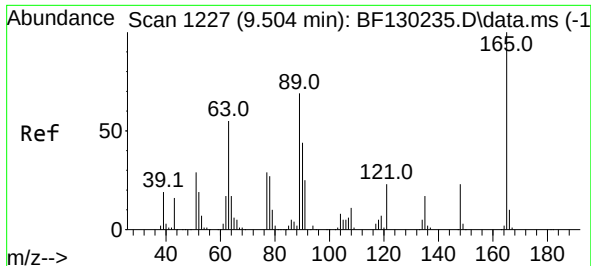
Supervised By :Jagrit
Upadhyay
09/16/2022



#50
Dimethylphthalate
Concen: 45.509 ng
RT: 9.445 min Scan# 1251
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

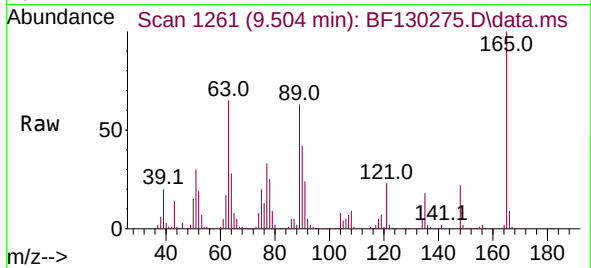
Tgt Ion:163 Resp: 656098
Ion Ratio Lower Upper
163 100
194 3.8 2.8 4.2
164 10.1 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 47.722 ng
RT: 9.504 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

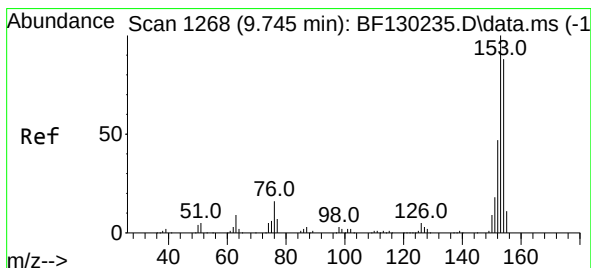
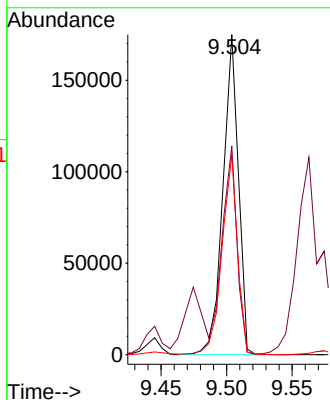
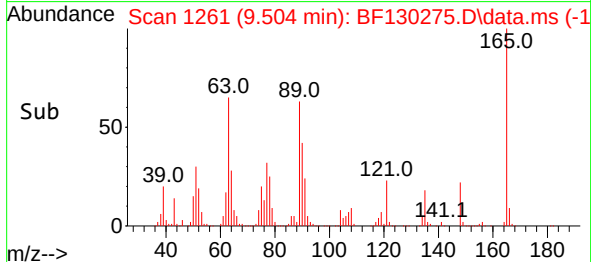


Tgt Ion:165 Resp: 143886
Ion Ratio Lower Upper
165 100
63 65.2 58.8 88.2
89 62.5 54.5 81.7

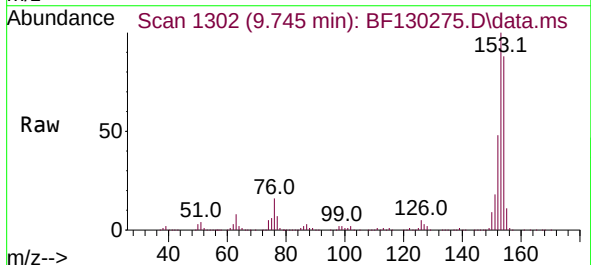
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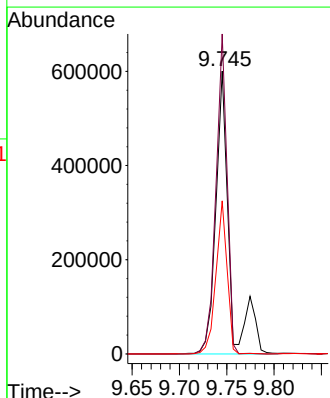
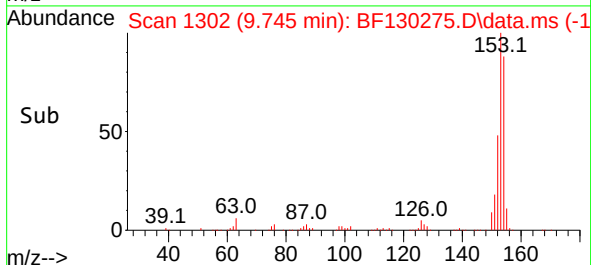
Supervised By :Jagrit
Upadhyay
09/16/2022

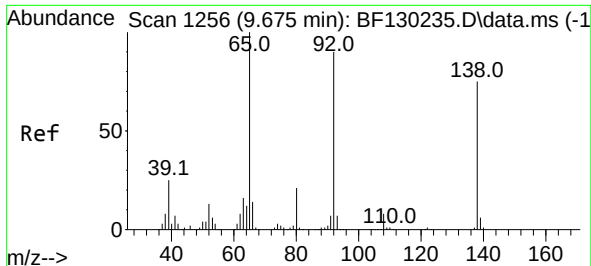


#52
Acenaphthene
Concen: 48.552 ng m
RT: 9.745 min Scan# 1302
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13



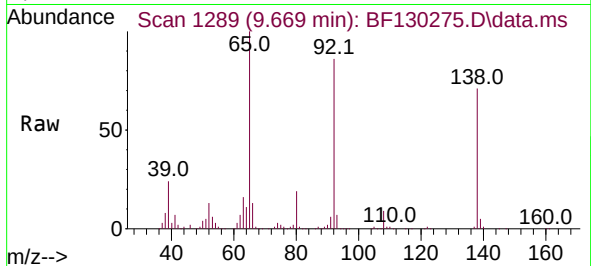
Tgt Ion:154 Resp: 603098
Ion Ratio Lower Upper
154 100
153 113.2 90.6 136.0
152 54.1 43.8 65.6





#53
3-Nitroaniline
Concen: 22.204 ng
RT: 9.669 min Scan# 1289
Delta R.T. -0.006 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

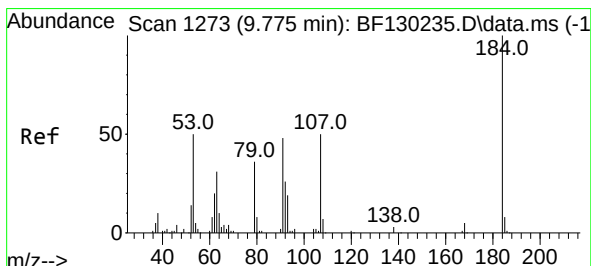
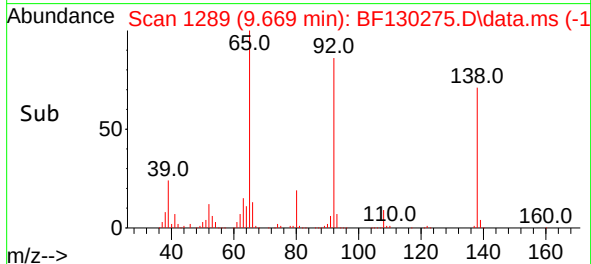
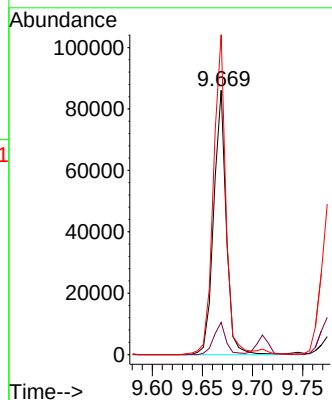


Tgt Ion:138 Resp: 74599
Ion Ratio Lower Upper
138 100
108 12.2 9.2 13.8
92 121.1 99.2 148.8

Manual Integrations
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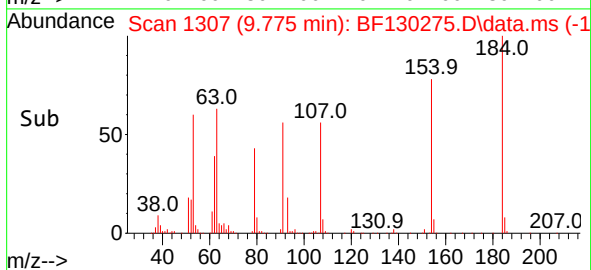
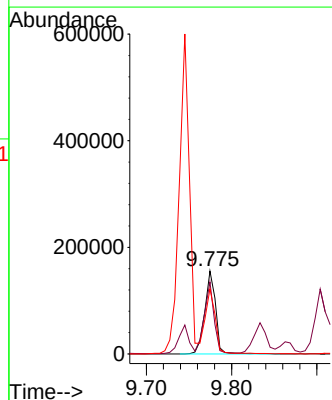
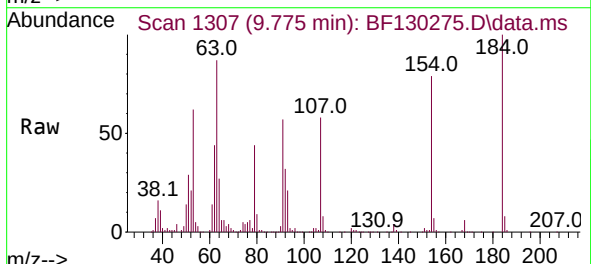
Reviewed By :Christian
Giraldo
09/16/2022

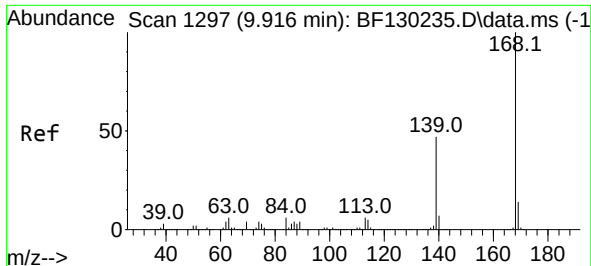
Supervised By :Jagrit
Upadhyay
09/16/2022



#54
2,4-Dinitrophenol
Concen: 83.460 ng
RT: 9.775 min Scan# 1307
Delta R.T. -0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

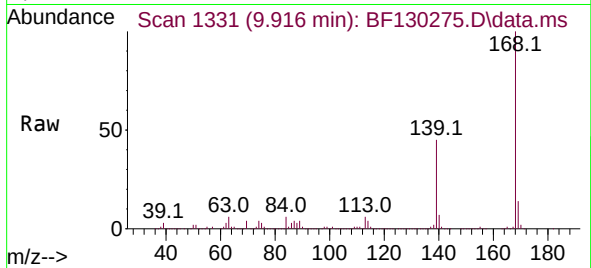
Tgt Ion:184 Resp: 136987
Ion Ratio Lower Upper
184 100
63 86.9 70.0 105.0
154 78.5 63.0 94.6





#55
Dibenzenofuran
Concen: 44.170 ng
RT: 9.916 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

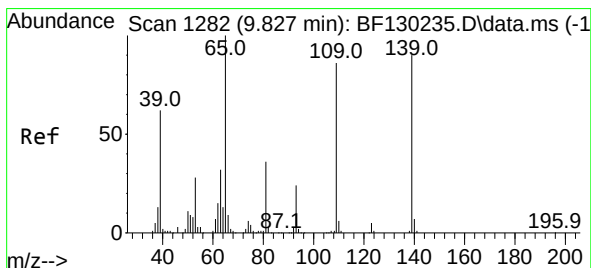
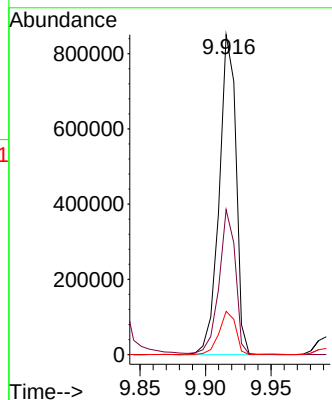


Tgt Ion:168 Resp: 763148
Ion Ratio Lower Upper
168 100
139 45.3 35.0 52.4
169 13.5 10.9 16.3

Manual Integrations
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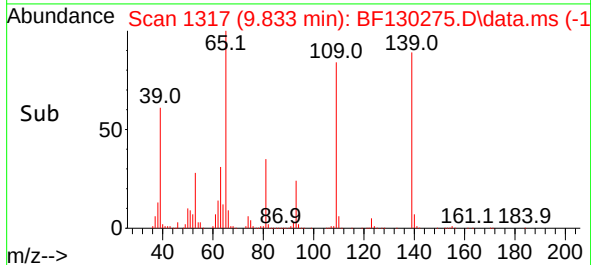
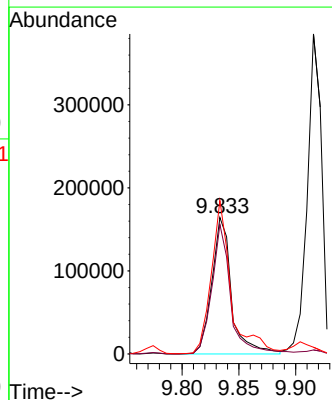
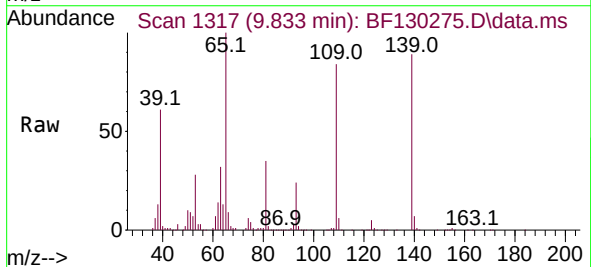
Reviewed By :Christian
Giraldo
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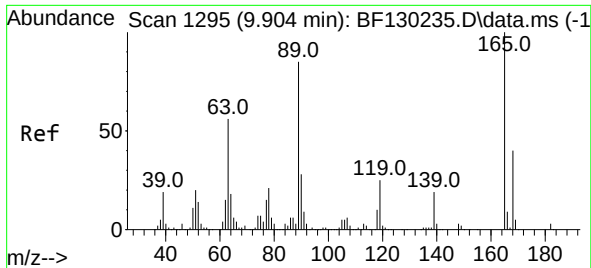
Supervised By :Jagrit
Upadhyay
09/16/2022



#56
4-Nitrophenol
Concen: 81.093 ng
RT: 9.833 min Scan# 1317
Delta R.T. 0.006 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

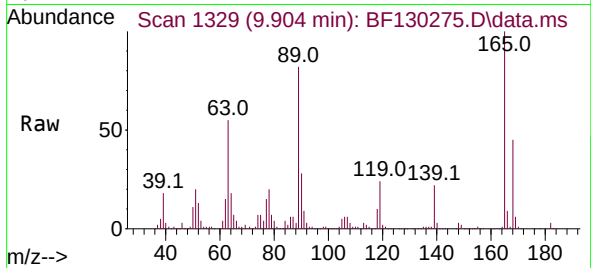
Tgt Ion:139 Resp: 198437
Ion Ratio Lower Upper
139 100
109 94.9 72.2 112.2
65 112.4 97.7 137.7





#57
2,4-Dinitrotoluene
Concen: 49.090 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

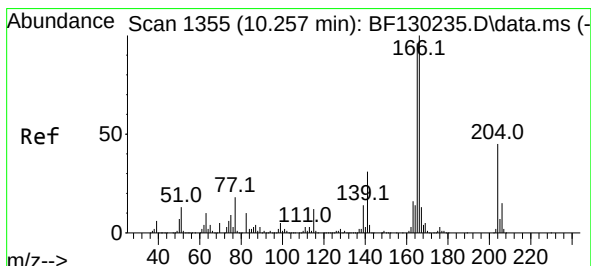
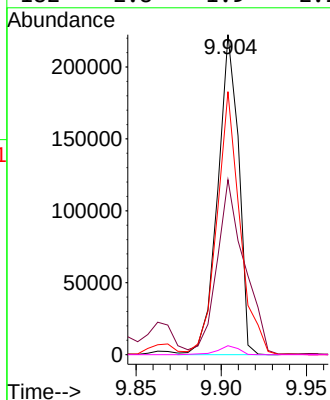
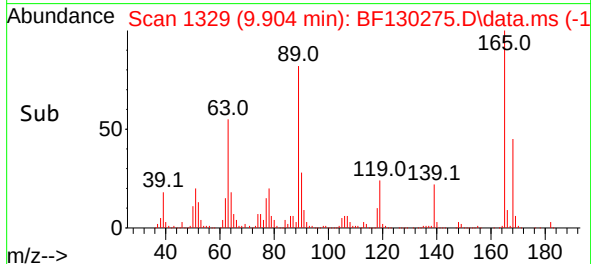


Tgt Ion:165 Resp: 189163
Ion Ratio Lower Upper
165 100
63 54.7 44.7 67.1
89 82.2 69.0 103.4
182 2.8 1.9 2.9

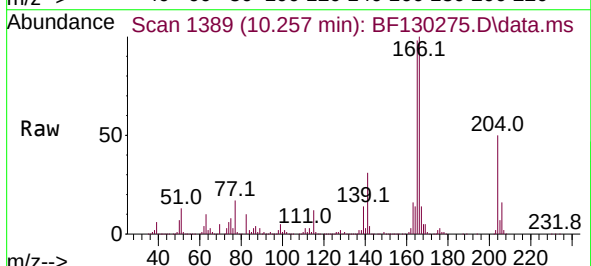
Manual Integrations
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Reviewed By :Christian
Giraldo
09/16/2022

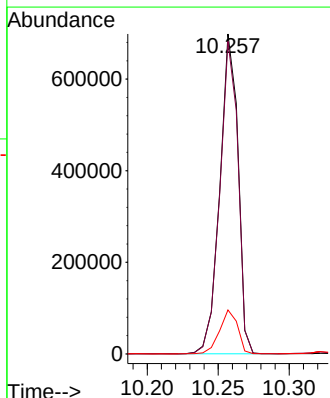
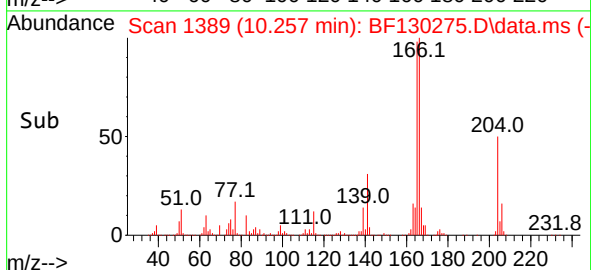
Supervised By :Jagrit
Upadhyay
09/16/2022

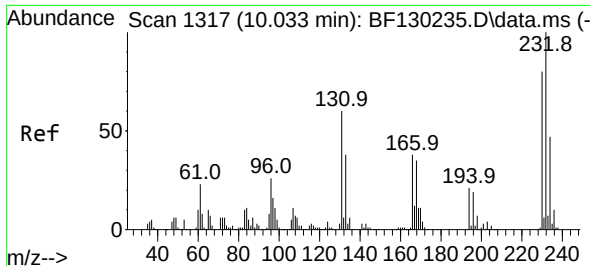


#58
Fluorene
Concen: 43.998 ng
RT: 10.257 min Scan# 1389
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13



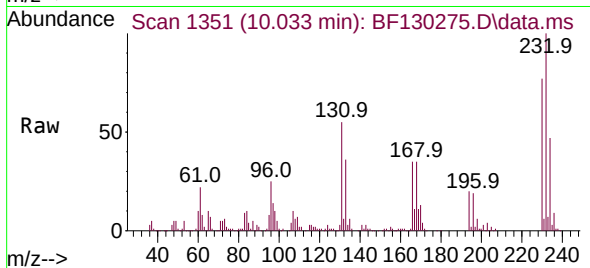
Tgt Ion:166 Resp: 621689
Ion Ratio Lower Upper
166 100
165 97.7 78.8 118.2
167 13.7 10.6 15.8





#59
2,3,4,6-Tetrachlorophenol
Concen: 45.493 ng
RT: 10.033 min Scan# 1317
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

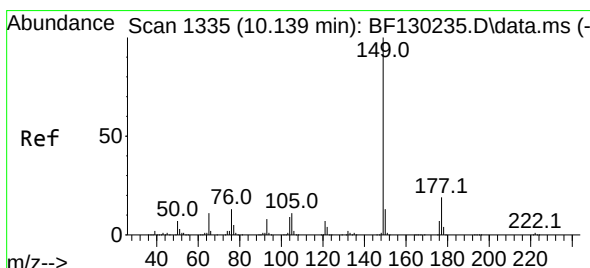
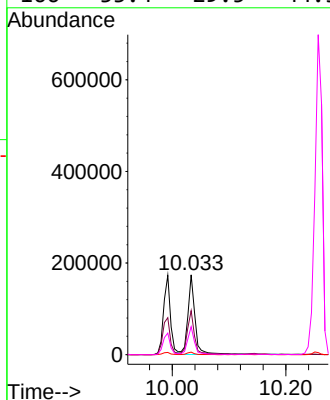
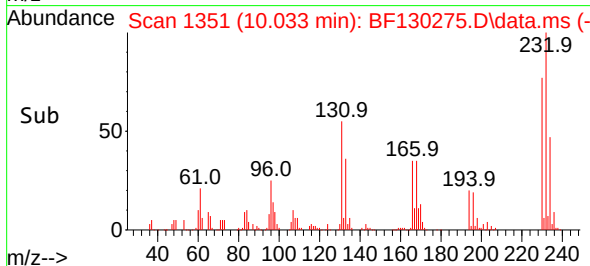


Tgt Ion:232 Resp: 152746
Ion Ratio Lower Upper
232 100
131 55.2 46.4 69.6
130 3.1 2.3 3.5
166 33.4 29.5 44.3

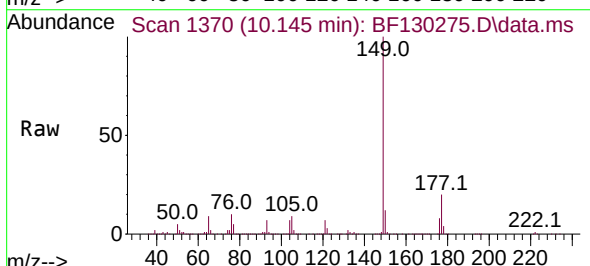
Manual Integrations
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Reviewed By :Christian
Giraldo
09/16/2022

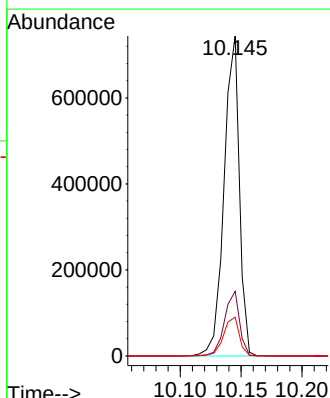
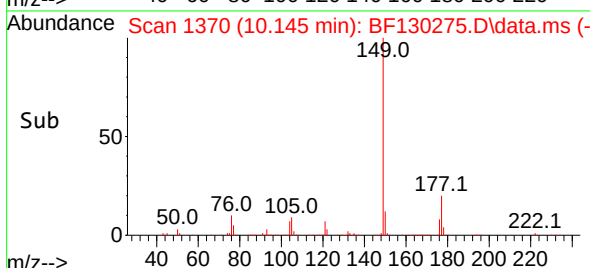
Supervised By :Jagrut
Upadhyay
09/16/2022

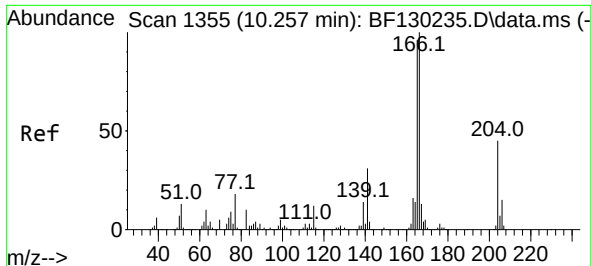


#60
Diethylphthalate
Concen: 44.947 ng
RT: 10.145 min Scan# 1370
Delta R.T. 0.006 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13



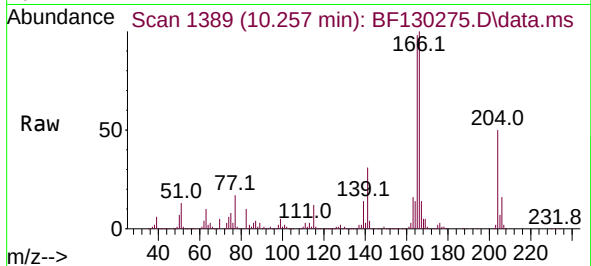
Tgt Ion:149 Resp: 649819
Ion Ratio Lower Upper
149 100
177 20.2 16.1 24.1
150 12.1 9.9 14.9





#61
4-Chlorophenyl-phenylether
Concen: 46.154 ng
RT: 10.257 min Scan# 1355
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

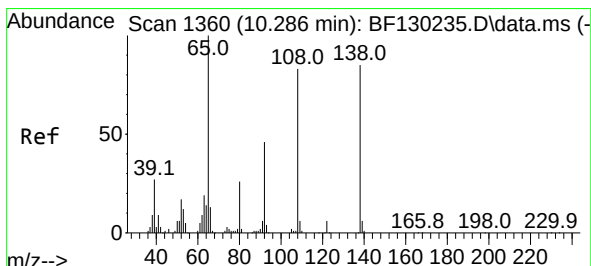
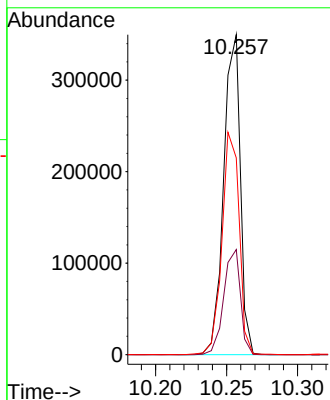
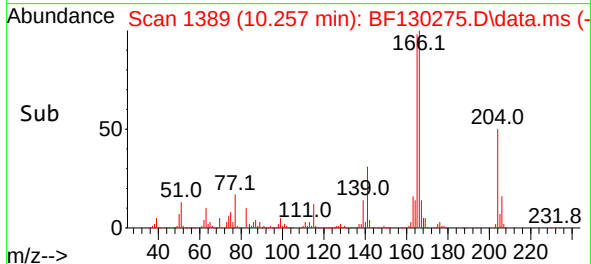


Tgt Ion:204 Resp: 286085
Ion Ratio Lower Upper
204 100
206 32.8 26.6 39.8
141 61.5 57.1 85.7

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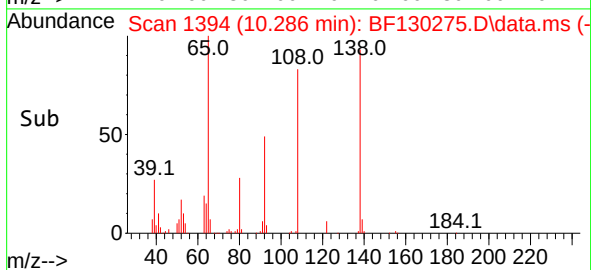
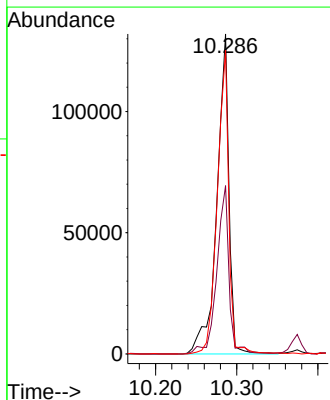
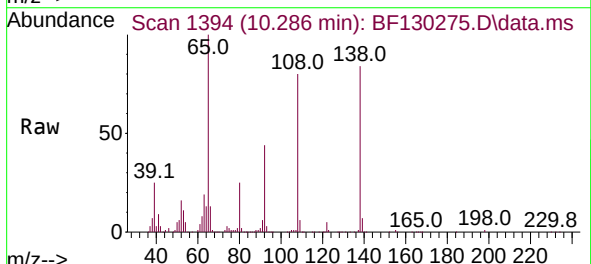
Reviewed By :Christian
Giraldo
09/16/2022

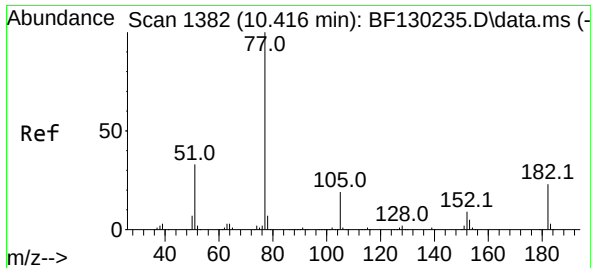
Supervised By :Jagrut
Upadhyay
09/16/2022



#62
4-Nitroaniline
Concen: 40.482 ng
RT: 10.286 min Scan# 1394
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

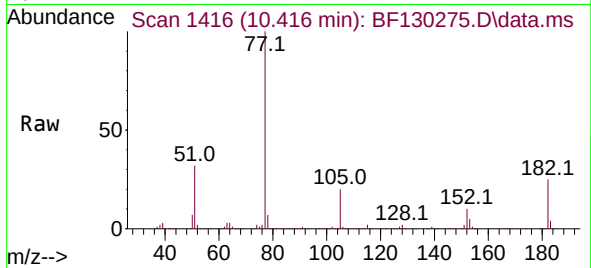
Tgt Ion:138 Resp: 136631
Ion Ratio Lower Upper
138 100
92 52.6 36.7 76.7
108 94.8 78.2 118.2





#63
Azobenzene
Concen: 41.533 ng
RT: 10.416 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

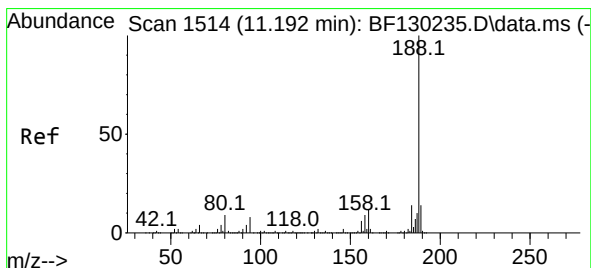
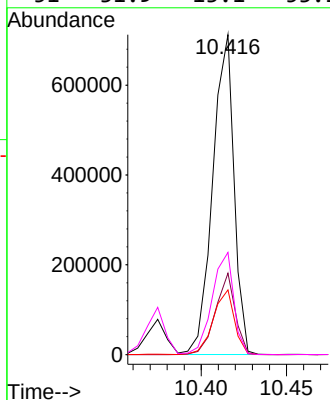
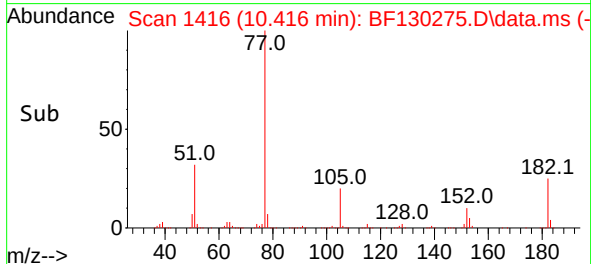


Tgt Ion: 77 Resp: 618301
Ion Ratio Lower Upper
77 100
182 25.4 2.1 42.1
105 20.2 0.0 39.4
51 31.9 13.1 53.1

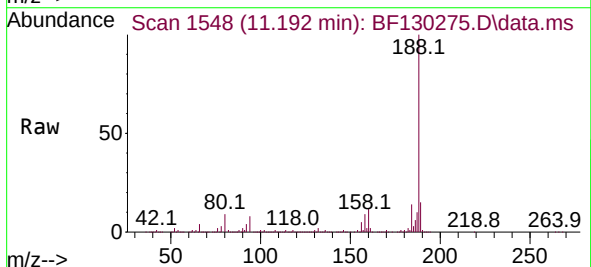
Manual Integrations
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Reviewed By :Christian
Giraldo
09/16/2022

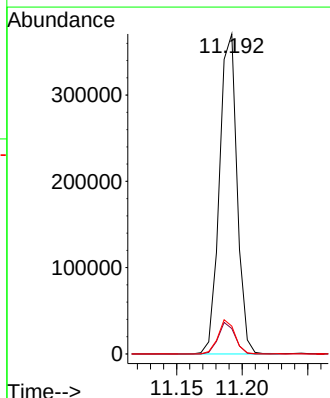
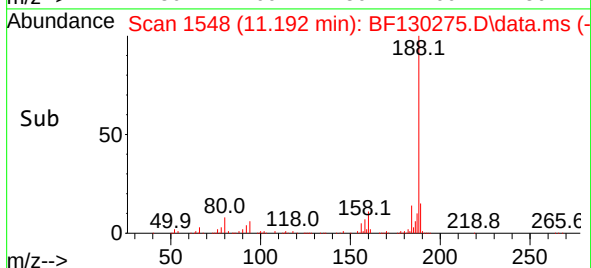
Supervised By :Jagrut
Upadhyay
09/16/2022

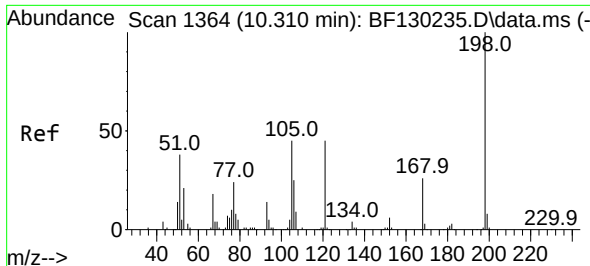


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.192 min Scan# 1548
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13



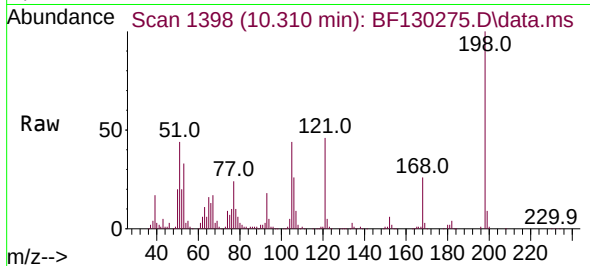
Tgt Ion:188 Resp: 347822
Ion Ratio Lower Upper
188 100
94 7.9 7.4 11.2
80 8.7 7.9 11.9





#65
4,6-Dinitro-2-methylphenol
Concen: 44.988 ng
RT: 10.310 min Scan# 1364
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

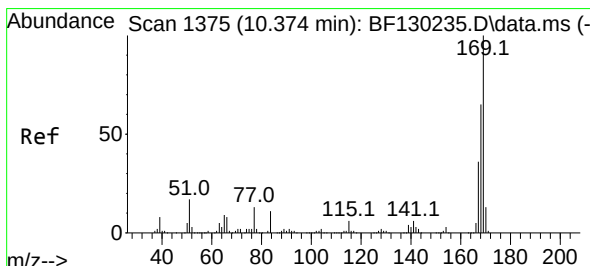
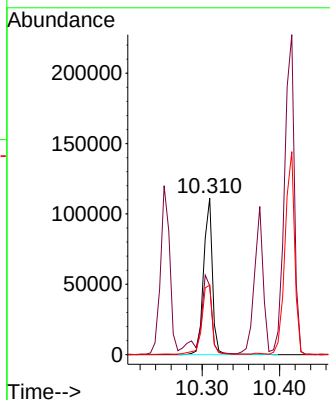
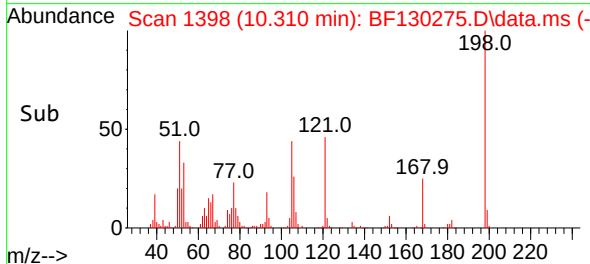


Tgt Ion:198 Resp: 87107
Ion Ratio Lower Upper
198 100
51 44.0 36.9 76.9
105 44.4 33.0 73.0

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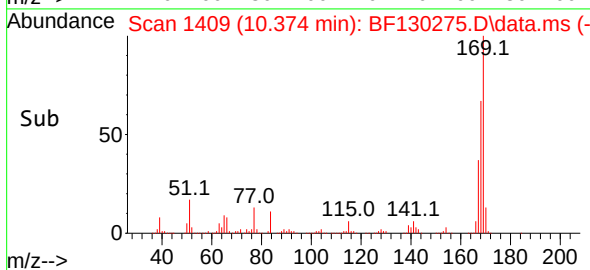
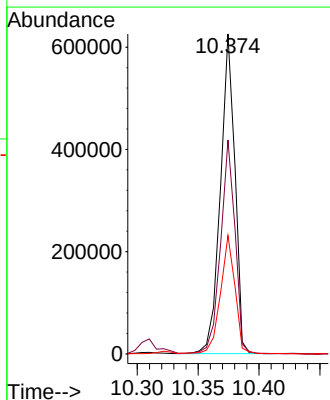
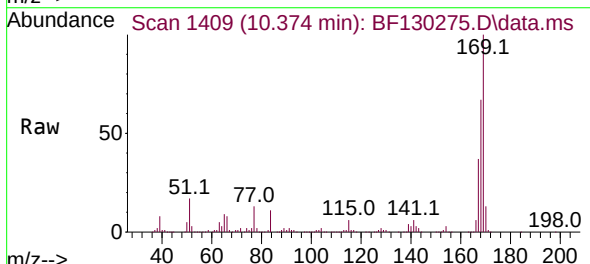
Reviewed By :Christian
Giraldo
09/16/2022

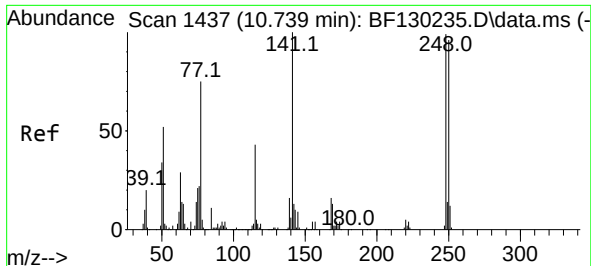
Supervised By :Jagrit
Upadhyay
09/16/2022



#66
n-Nitrosodiphenylamine
Concen: 44.400 ng
RT: 10.374 min Scan# 1409
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

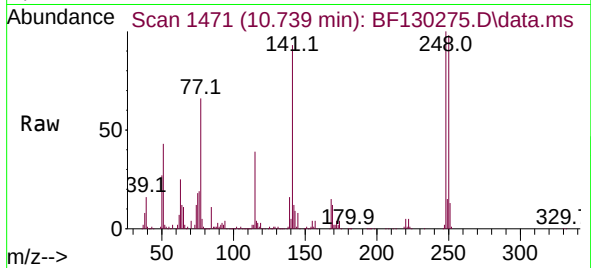
Tgt Ion:169 Resp: 516071
Ion Ratio Lower Upper
169 100
168 66.8 53.2 79.8
167 37.0 29.2 43.8





#67
4-Bromophenyl-phenylether
Concen: 46.556 ng
RT: 10.739 min Scan# 1437
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

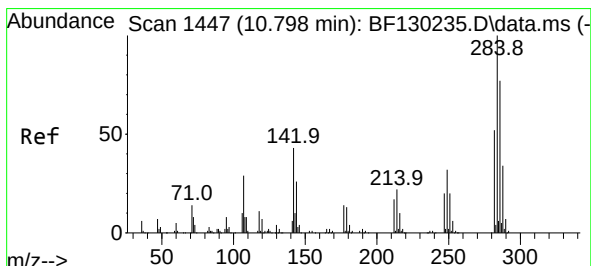
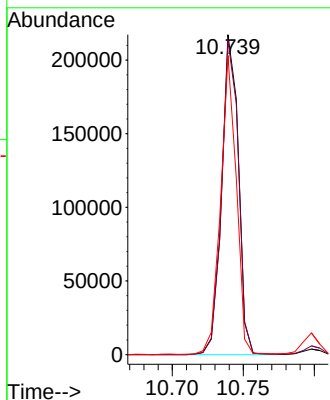
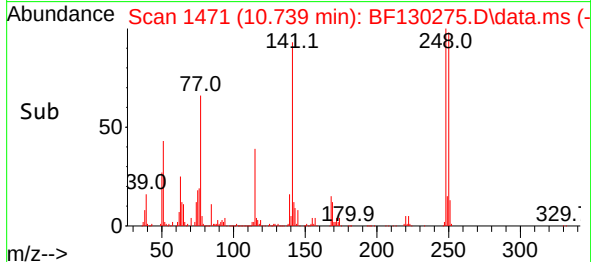


Tgt Ion:248 Resp: 178638
Ion Ratio Lower Upper
248 100
250 98.2 80.0 120.0
141 93.5 68.5 102.7

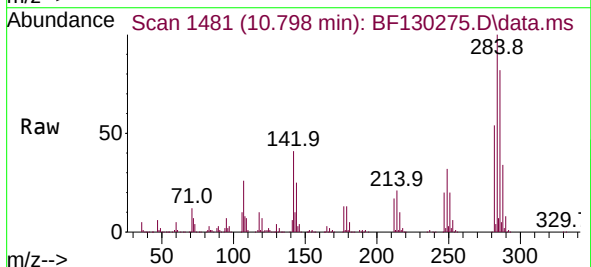
Manual Integrations
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Reviewed By :Christian
Giraldo
09/16/2022

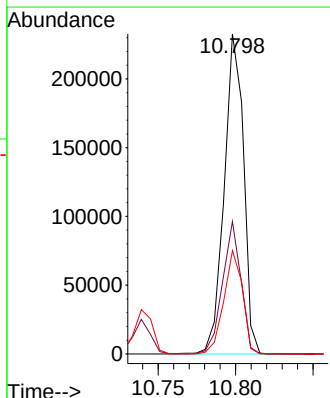
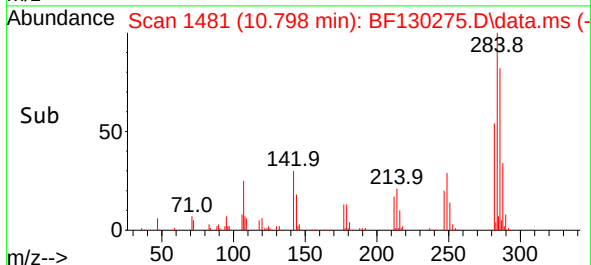
Supervised By :Jagrut
Upadhyay
09/16/2022

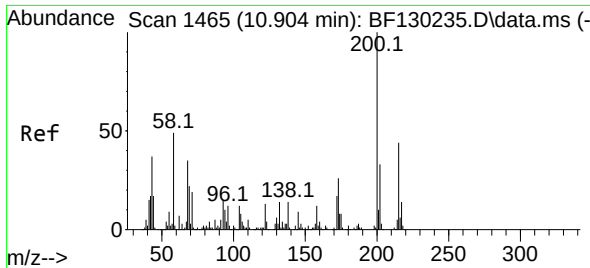


#68
Hexachlorobenzene
Concen: 46.436 ng
RT: 10.798 min Scan# 1481
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13



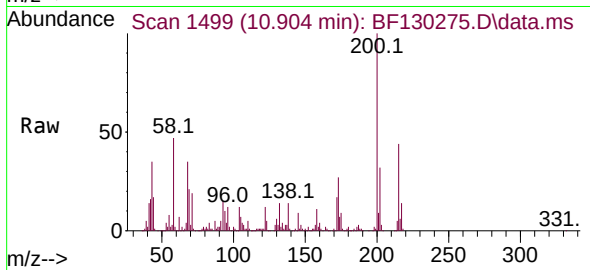
Tgt Ion:284 Resp: 201974
Ion Ratio Lower Upper
284 100
142 41.4 27.2 40.8#
249 32.3 23.8 35.8





#69
 Atrazine
 Concen: 49.410 ng
 RT: 10.904 min Scan# 1465
 Delta R.T. 0.000 min
 Lab File: BF130275.D
 Acq: 15 Sep 2022 17:13

Instrument :
 BNA_F
 ClientSampleId :
 OH-SOIL-0913MSD

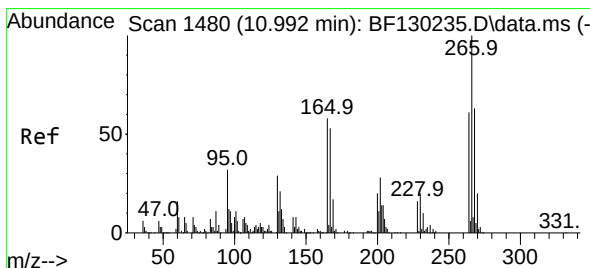
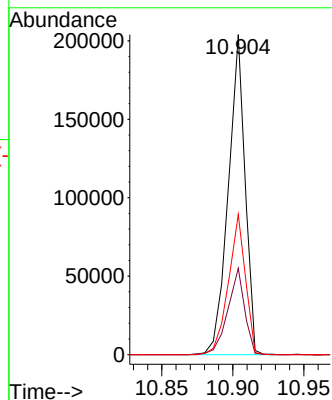
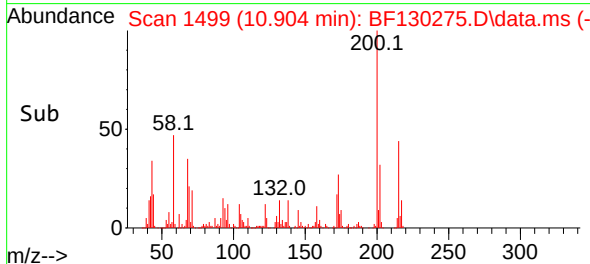


Tgt Ion:200 Resp: 167831
 Ion Ratio Lower Upper
 200 100
 173 27.0 6.2 46.2
 215 43.8 22.5 62.5

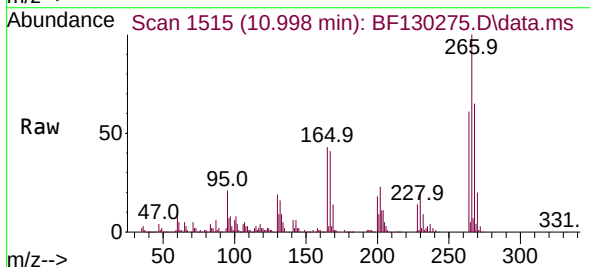
Manual Integrations
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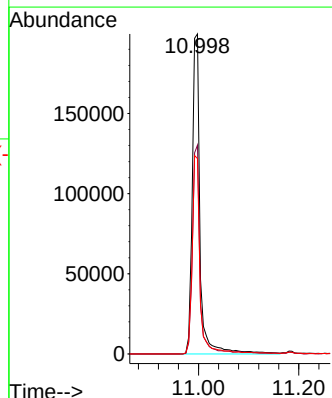
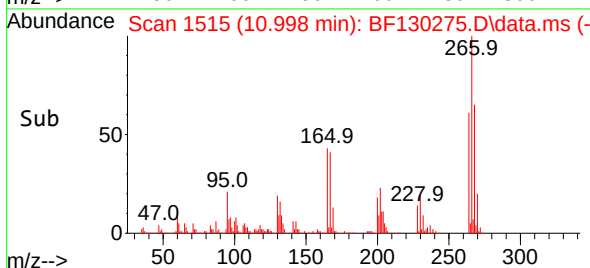
Supervised By :Jagrit
 Upadhyay
 09/16/2022

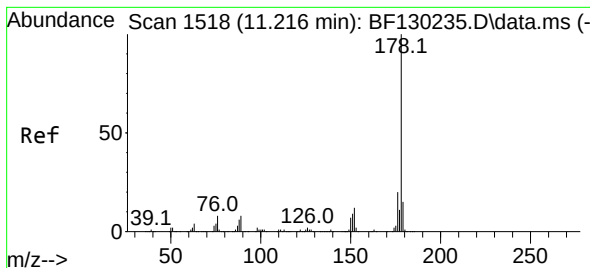


#70
 Pentachlorophenol
 Concen: 91.911 ng
 RT: 10.998 min Scan# 1515
 Delta R.T. 0.006 min
 Lab File: BF130275.D
 Acq: 15 Sep 2022 17:13



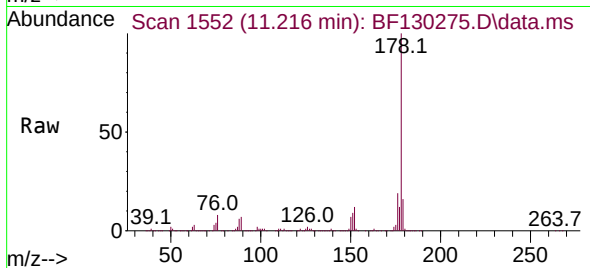
Tgt Ion:266 Resp: 214552
 Ion Ratio Lower Upper
 266 100
 268 65.2 50.5 75.7
 264 61.0 50.5 75.7





#71
Phenanthrene
Concen: 43.125 ng
RT: 11.216 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

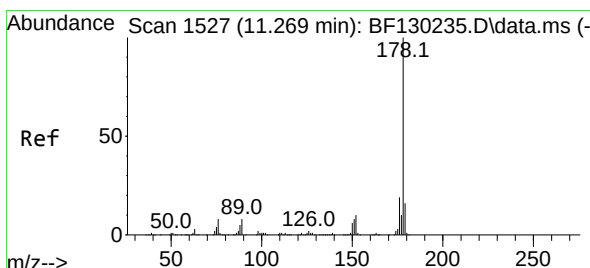
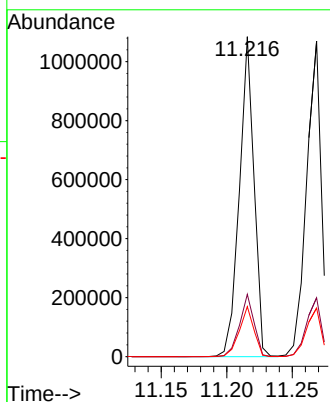
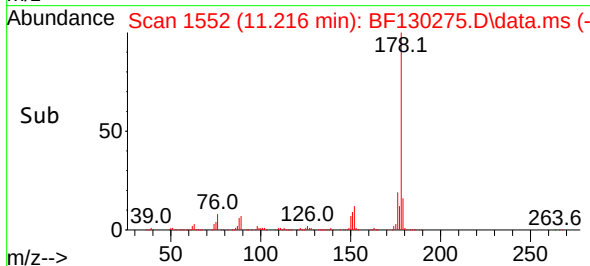


Tgt Ion:178 Resp: 842154
Ion Ratio Lower Upper
178 100
176 19.5 15.4 23.0
179 15.6 12.4 18.6

Manual Integrations
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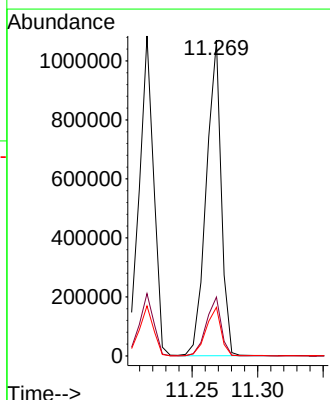
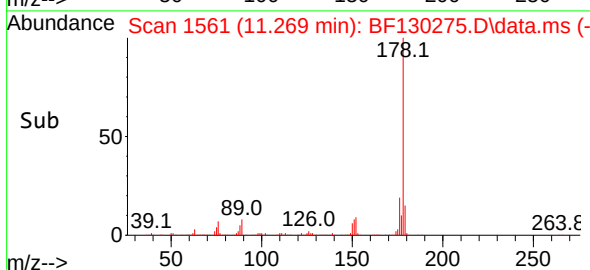
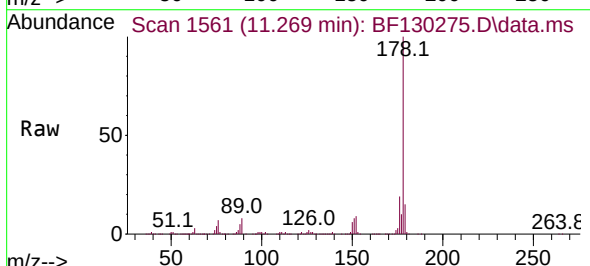
Reviewed By :Christian
Giraldo
09/16/2022

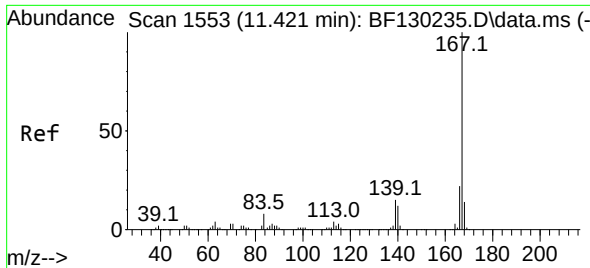
Supervised By :Jagrit
Upadhyay
09/16/2022



#72
Anthracene
Concen: 44.802 ng
RT: 11.269 min Scan# 1561
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

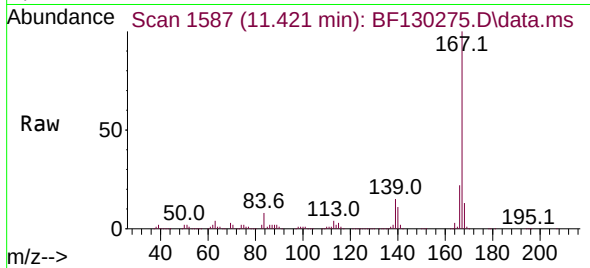
Tgt Ion:178 Resp: 844291
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.4 12.7 19.1





#73
 Carbazole
 Concen: 43.665 ng
 RT: 11.421 min Scan# 1553
 Delta R.T. 0.000 min
 Lab File: BF130275.D
 Acq: 15 Sep 2022 17:13

Instrument :
 BNA_F
 ClientSampleId :
 OH-SOIL-0913MSD

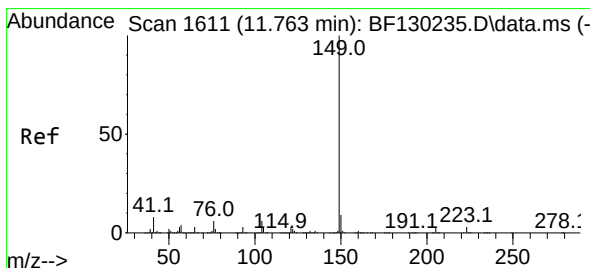
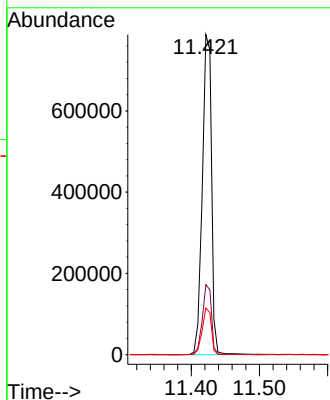
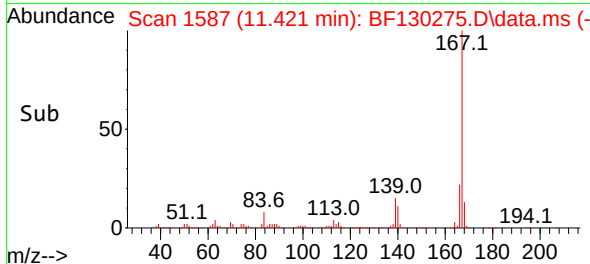


Tgt Ion:167 Resp: 742636
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.4 26.2
 139 14.6 11.6 17.4

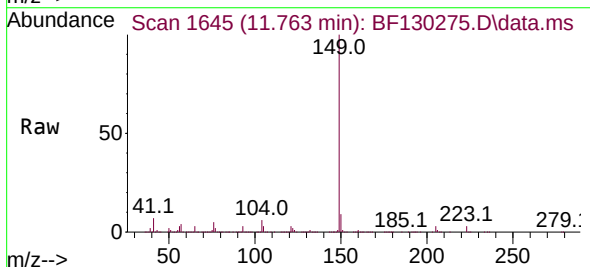
Manual Integrations
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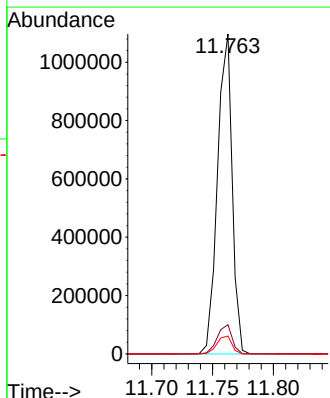
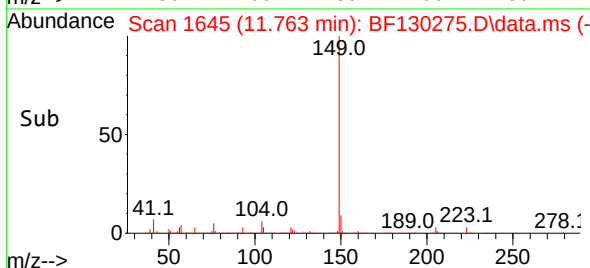
Supervised By :Jagrut
 Upadhyay
 09/16/2022

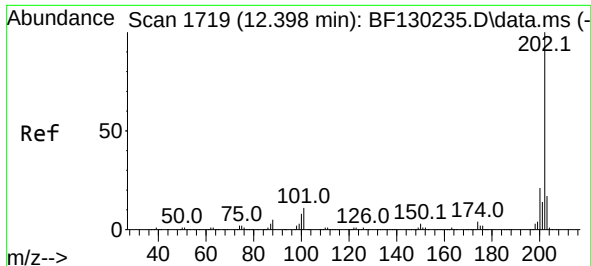


#74
 Di-n-butylphthalate
 Concen: 44.593 ng
 RT: 11.763 min Scan# 1645
 Delta R.T. 0.000 min
 Lab File: BF130275.D
 Acq: 15 Sep 2022 17:13



Tgt Ion:149 Resp: 914556
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.2
 104 5.6 4.8 7.2





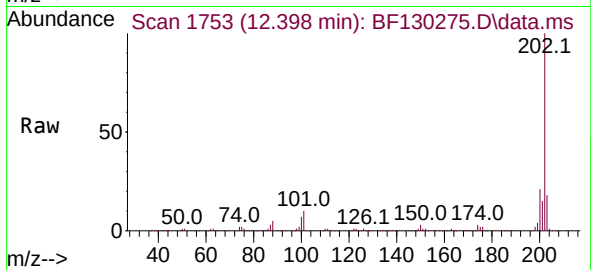
#75
Fluoranthene
Concen: 41.445 ng
RT: 12.398 min Scan# 1719
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MSD



Tgt Ion:202 Resp: 782068
Ion Ratio Lower Upper
202 100
101 9.8 0.0 31.8
203 17.6 0.0 37.8

Manual Integrations
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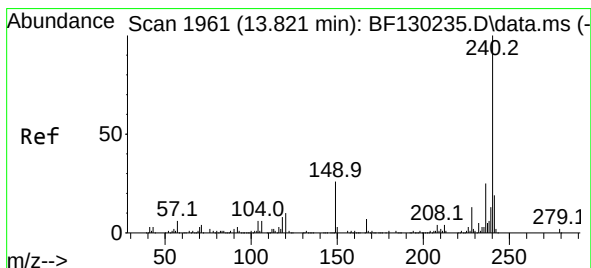
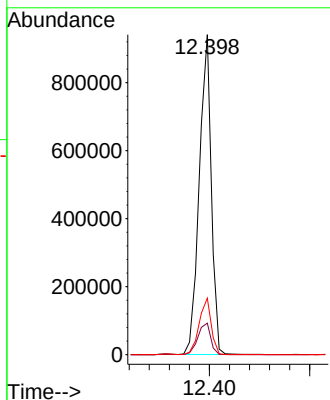
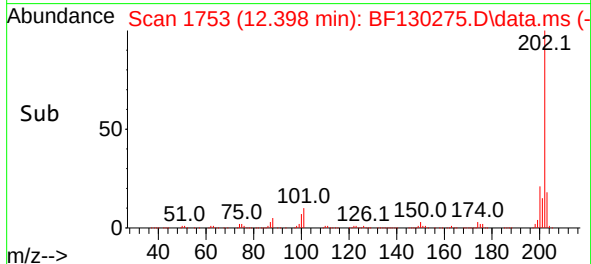
Reviewed By :Christian
Giraldo

09/16/2022

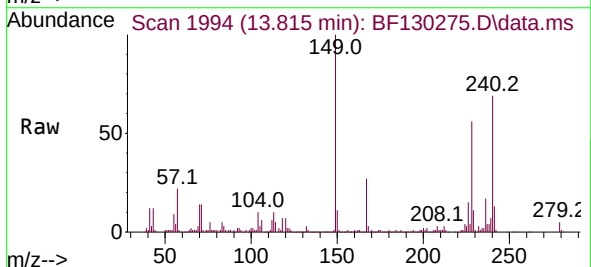
Supervised By :Jagrut

Upadhyay

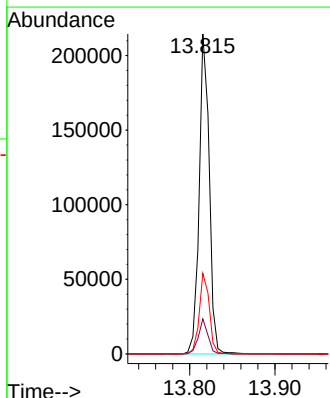
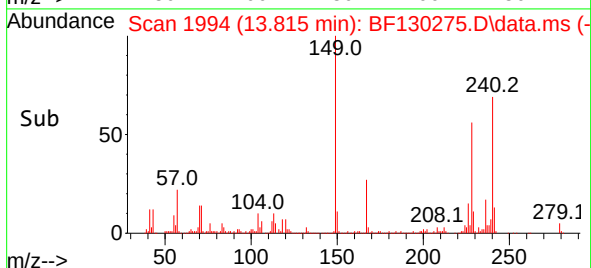
09/16/2022

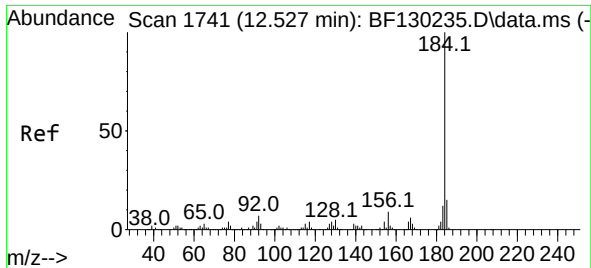


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.815 min Scan# 1994
Delta R.T. -0.006 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13



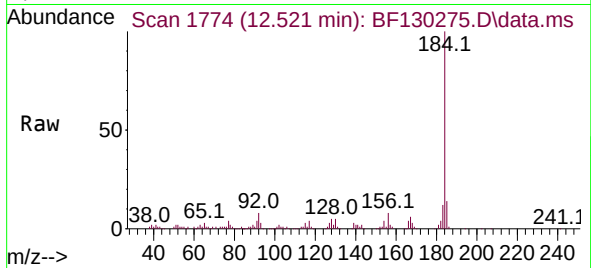
Tgt Ion:240 Resp: 175191
Ion Ratio Lower Upper
240 100
120 10.9 8.7 13.1
236 25.2 20.9 31.3





#77
Benzidine
Concen: 21.232 ng
RT: 12.521 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

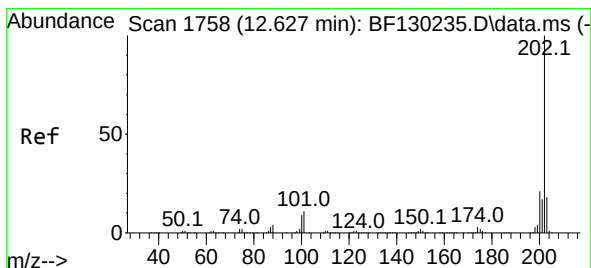
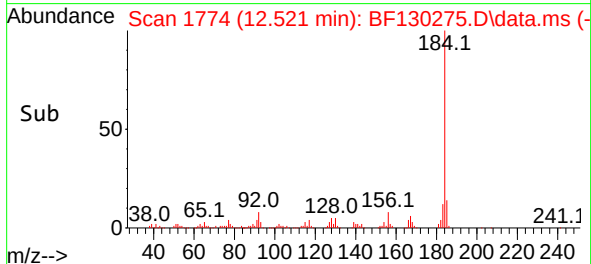
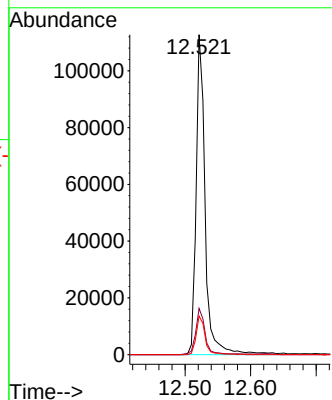


Tgt Ion:184 Resp: 107979
Ion Ratio Lower Upper
184 100
185 14.4 11.8 17.6
183 12.1 9.1 13.7

Manual Integrations
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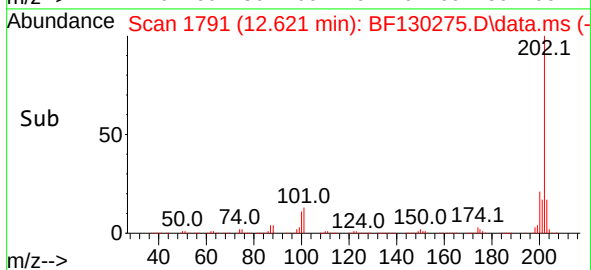
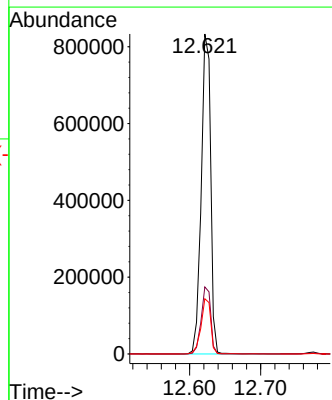
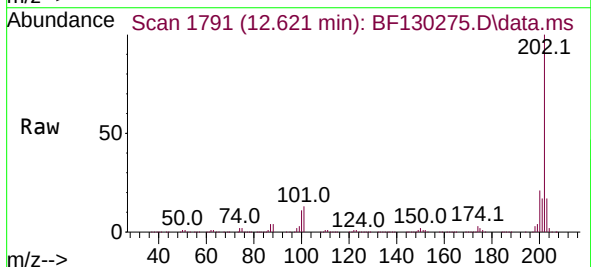
Reviewed By :Christian
Giraldo
09/16/2022

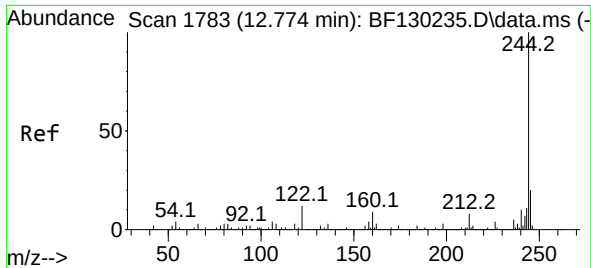
Supervised By :Jagrut
Upadhyay
09/16/2022



#78
Pyrene
Concen: 49.954 ng
RT: 12.621 min Scan# 1791
Delta R.T. -0.006 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

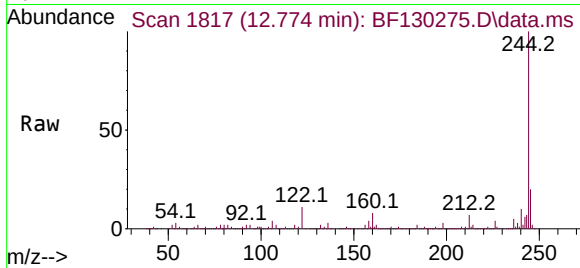
Tgt Ion:202 Resp: 765592
Ion Ratio Lower Upper
202 100
200 20.9 17.2 25.8
203 17.2 14.3 21.5





#79
 Terphenyl-d14
 Concen: 100.092 ng
 RT: 12.774 min Scan# 1817
 Delta R.T. 0.000 min
 Lab File: BF130275.D
 Acq: 15 Sep 2022 17:13

Instrument :
 BNA_F
 ClientSampleId :
 OH-SOIL-0913MSD

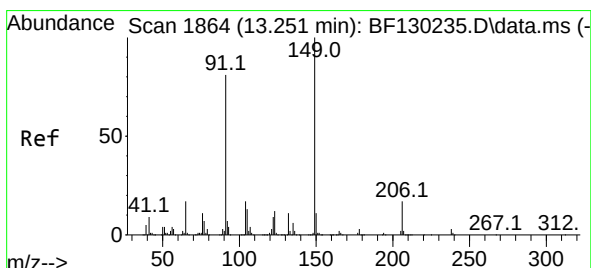
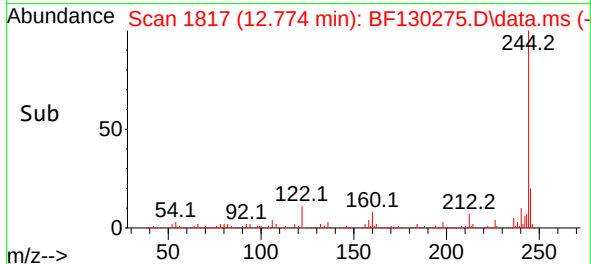
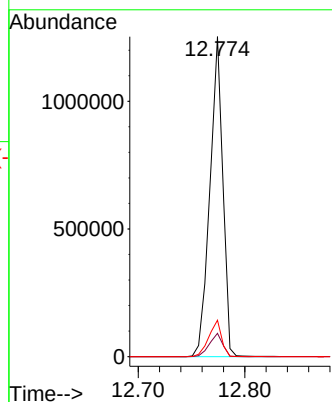


Tgt Ion:244 Resp: 1058579
 Ion Ratio Lower Upper
 244 100
 212 7.3 5.9 8.9
 122 11.4 8.5 12.7

Manual Integrations
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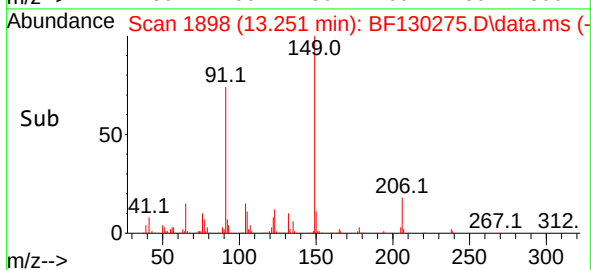
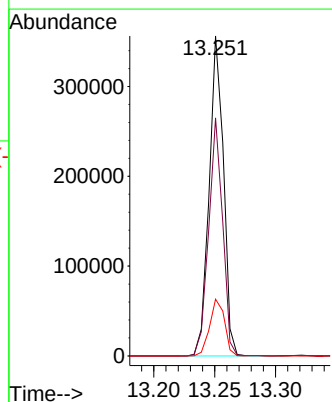
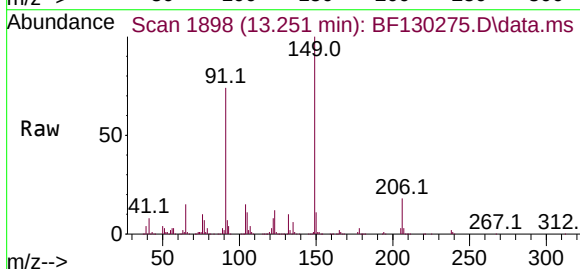
Reviewed By :Christian
 Giraldo
 09/16/2022

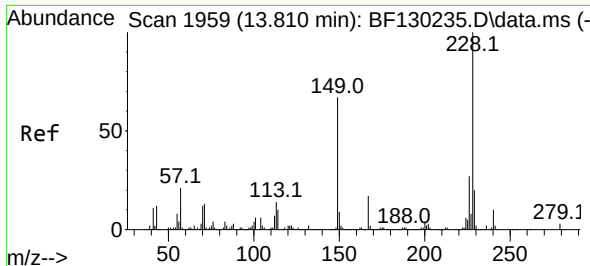
Supervised By :Jagrit
 Upadhyay
 09/16/2022



#80
 Butylbenzylphthalate
 Concen: 51.381 ng
 RT: 13.251 min Scan# 1898
 Delta R.T. 0.000 min
 Lab File: BF130275.D
 Acq: 15 Sep 2022 17:13

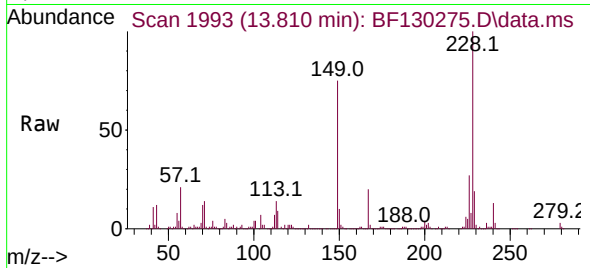
Tgt Ion:149 Resp: 291718
 Ion Ratio Lower Upper
 149 100
 91 74.4 59.8 89.8
 206 17.7 13.9 20.9





#81
Benzo(a)anthracene
Concen: 45.072 ng
RT: 13.810 min Scan# 1959
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

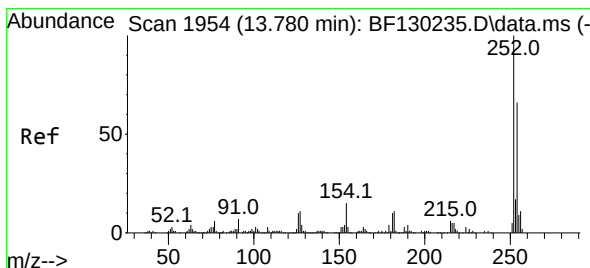
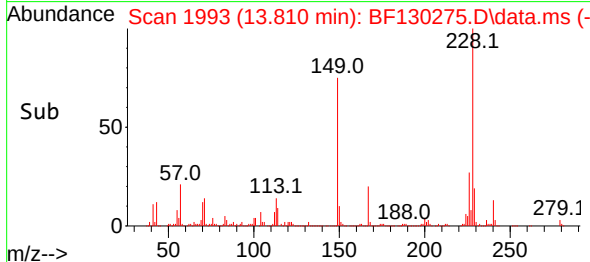
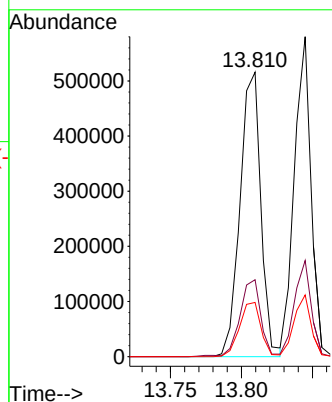


Tgt Ion:228 Resp: 525290
Ion Ratio Lower Upper
228 100
226 27.0 21.9 32.9
229 19.0 16.1 24.1

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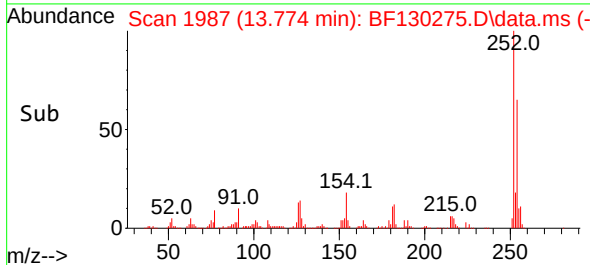
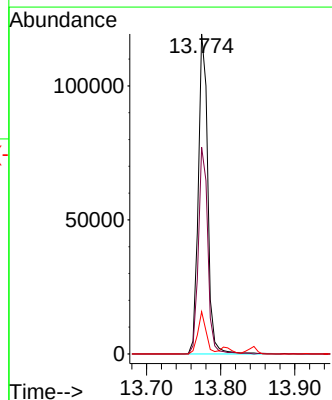
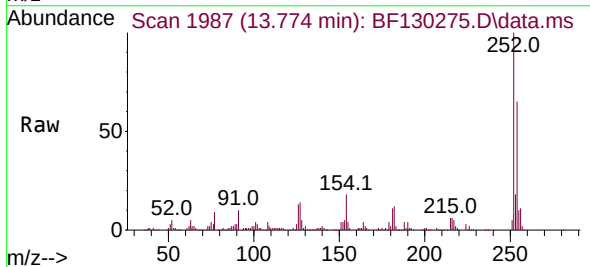
Reviewed By :Christian
Giraldo
09/16/2022

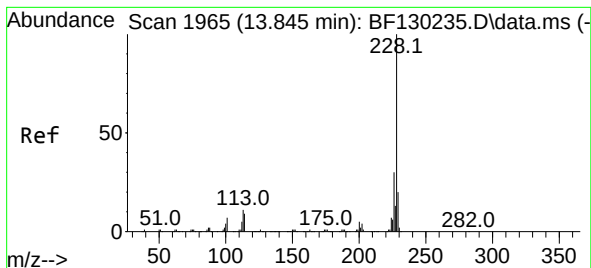
Supervised By :Jagrit
Upadhyay
09/16/2022



#82
3,3'-Dichlorobenzidine
Concen: 33.576 ng
RT: 13.774 min Scan# 1987
Delta R.T. -0.006 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Tgt Ion:252 Resp: 106520
Ion Ratio Lower Upper
252 100
254 64.6 51.1 76.7
126 13.2 10.4 15.6





#83

Chrysene

Concen: 43.318 ng

RT: 13.845 min Scan# 1965

Delta R.T. 0.000 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

Instrument :

BNA_F

ClientSampleId :

OH-SOIL-0913MSD

Tgt Ion:228 Resp: 479362

Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.8

229 19.3 15.3 22.9

Manual Integrations

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Reviewed By :Christian

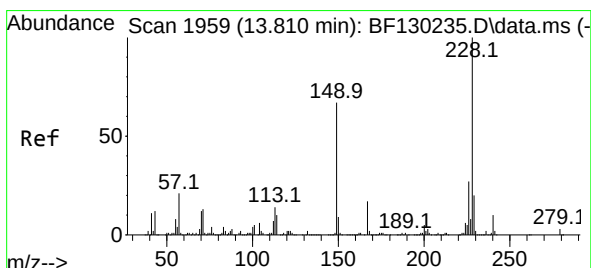
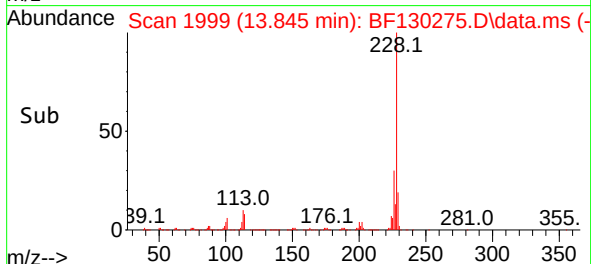
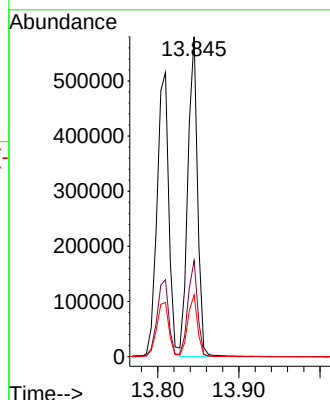
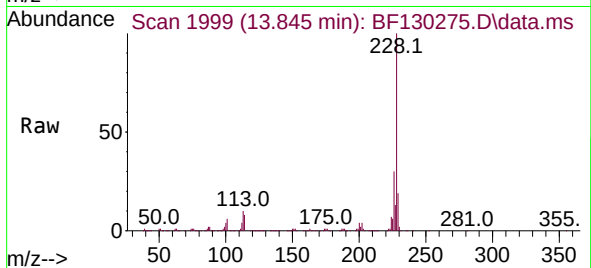
Giraldo

09/16/2022

Supervised By :Jagrut

Upadhyay

09/16/2022



#84

Bis(2-ethylhexyl)phthalate

Concen: 52.526 ng

RT: 13.810 min Scan# 1993

Delta R.T. 0.000 min

Lab File: BF130275.D

Acq: 15 Sep 2022 17:13

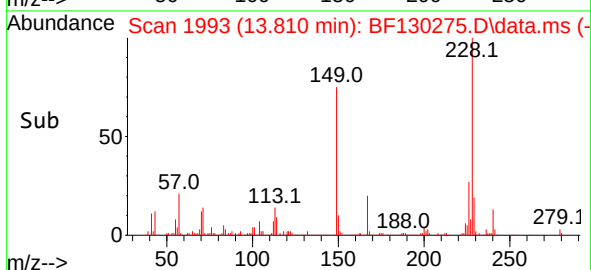
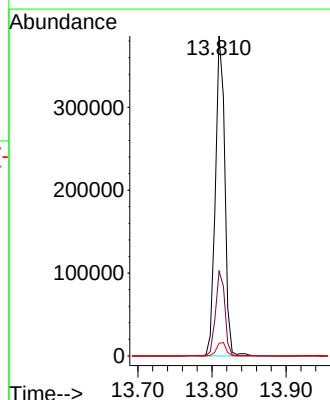
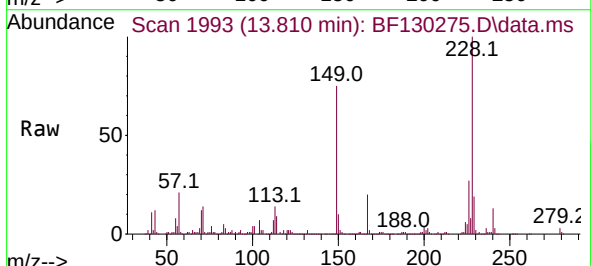
Tgt Ion:149 Resp: 341594

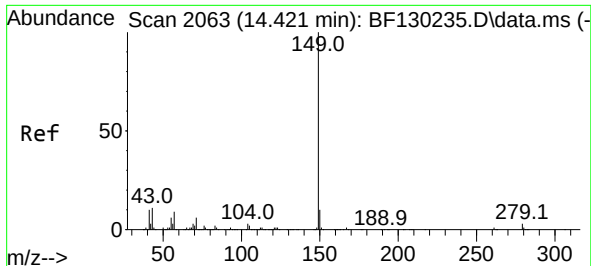
Ion Ratio Lower Upper

149 100

167 26.4 20.5 30.7

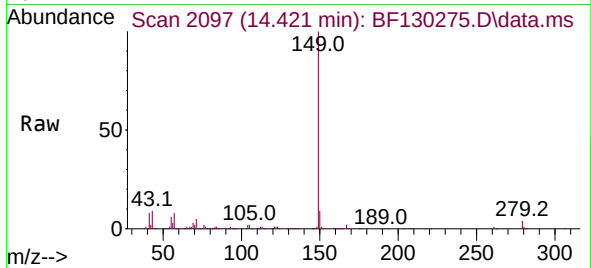
279 3.9 2.9 4.3





#85
Di-n-octyl phthalate
Concen: 46.306 ng
RT: 14.421 min Scan# 2063
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

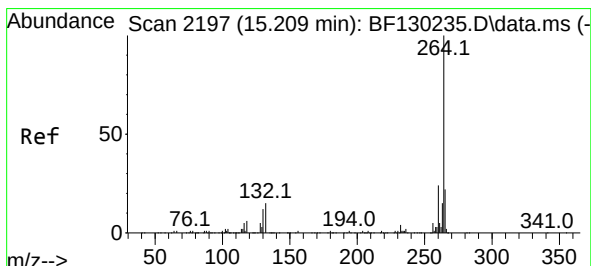
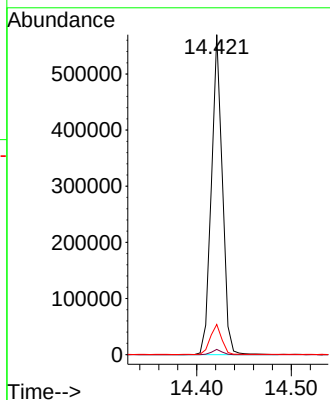
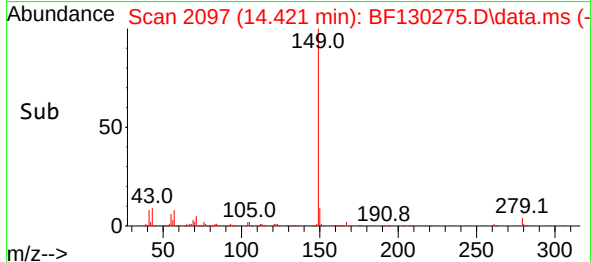


Tgt Ion:149 Resp: 460599
Ion Ratio Lower Upper
149 100
167 1.5 1.2 1.8
43 9.8 8.7 13.1

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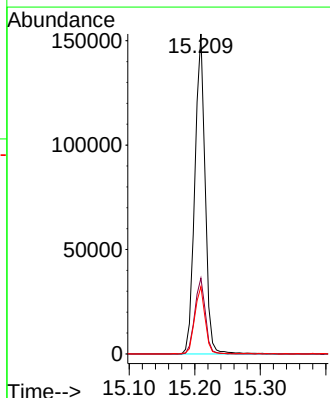
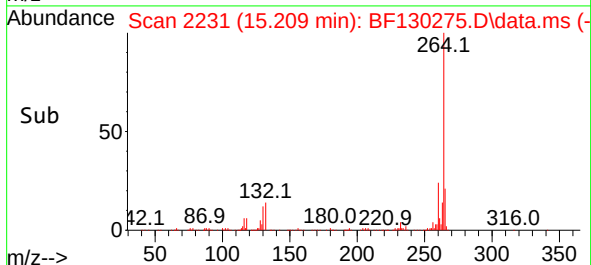
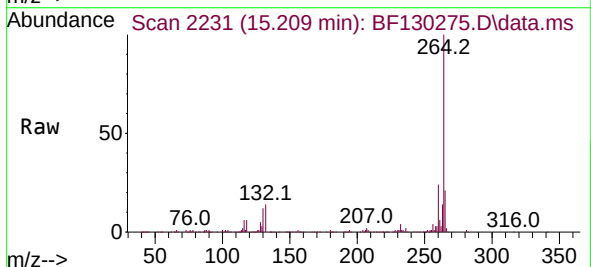
Reviewed By :Christian
Giraldo
09/16/2022

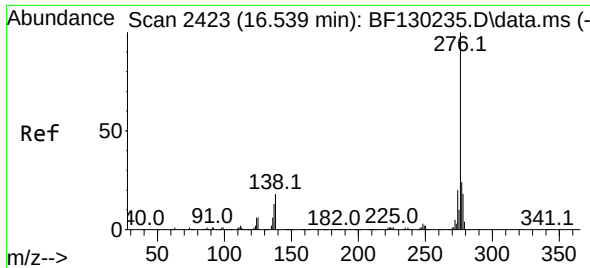
Supervised By :Jagrit
Upadhyay
09/16/2022



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.209 min Scan# 2231
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

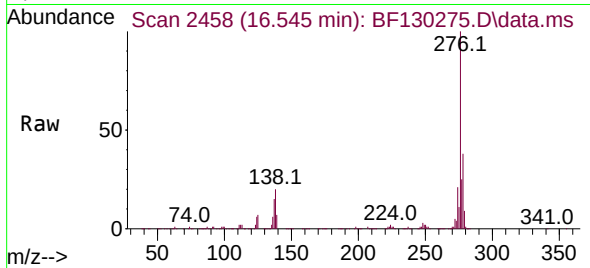
Tgt Ion:264 Resp: 167146
Ion Ratio Lower Upper
264 100
260 23.7 19.3 28.9
265 21.0 17.0 25.4





#87
 Indeno(1,2,3-cd)pyrene
 Concen: 50.396 ng
 RT: 16.545 min Scan# 2423
 Delta R.T. 0.006 min
 Lab File: BF130275.D
 Acq: 15 Sep 2022 17:13

Instrument :
 BNA_F
 ClientSampleId :
 OH-SOIL-0913MSD

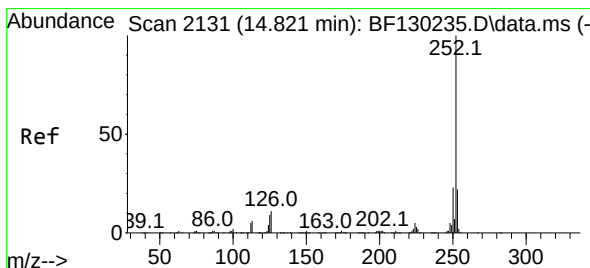
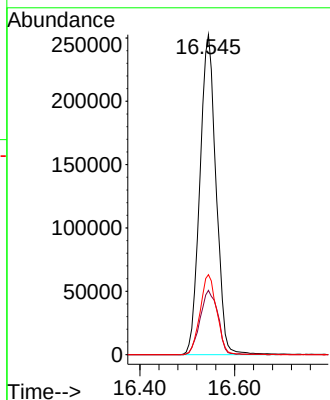
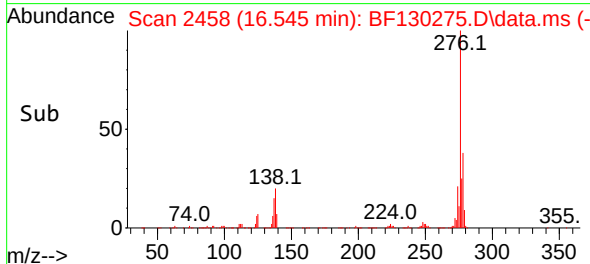


Tgt Ion: 276 Resp: 59734
 Ion Ratio Lower Upper
 276 100
 138 22.1 18.5 27.7
 277 25.5 20.2 30.4

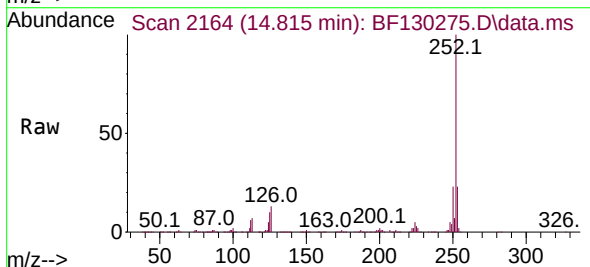
Manual Integrations
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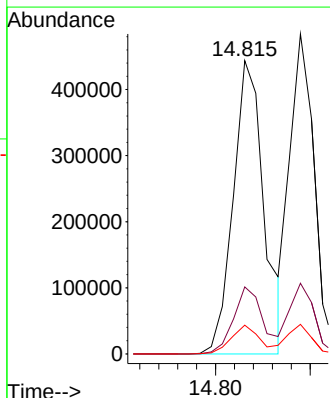
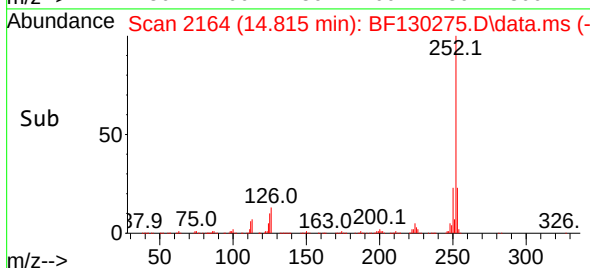
Supervised By : Jagrut
 Upadhyay
 09/16/2022

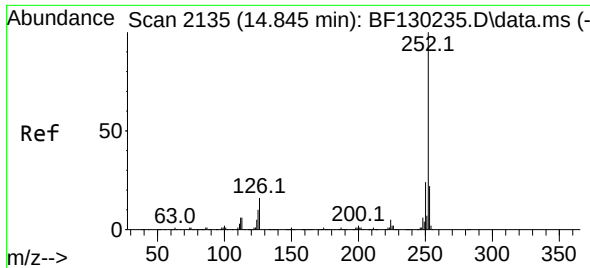


#88
 Benzo(b)fluoranthene
 Concen: 45.981 ng
 RT: 14.815 min Scan# 2164
 Delta R.T. -0.006 min
 Lab File: BF130275.D
 Acq: 15 Sep 2022 17:13



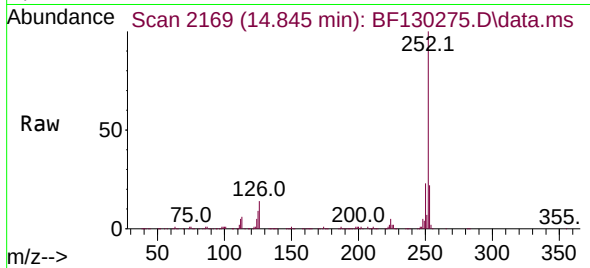
Tgt Ion: 252 Resp: 501635
 Ion Ratio Lower Upper
 252 100
 253 22.8 17.7 26.5
 125 9.8 8.1 12.1





#89
Benzo(k)fluoranthene
Concen: 40.647 ng
RT: 14.845 min Scan# 2135
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

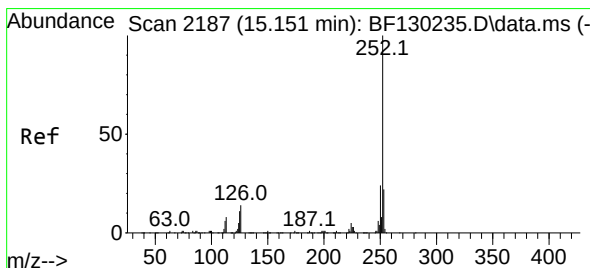
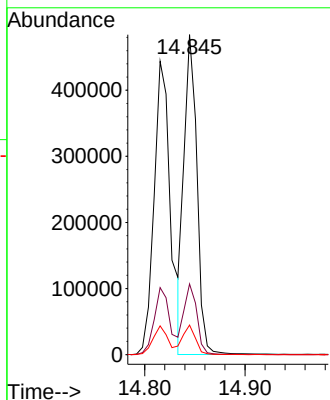
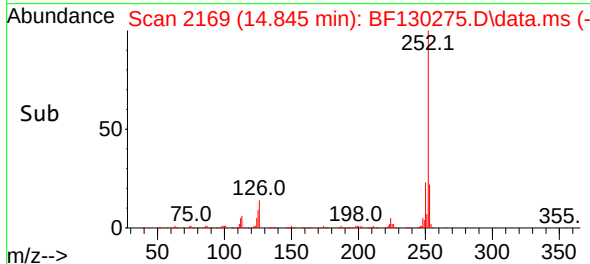


Tgt Ion:252 Resp: 436208
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.2
125 9.2 7.9 11.9

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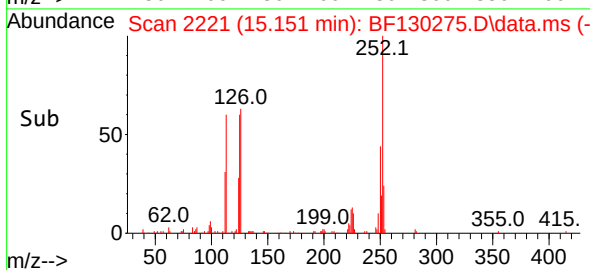
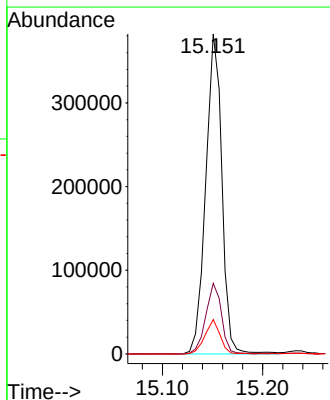
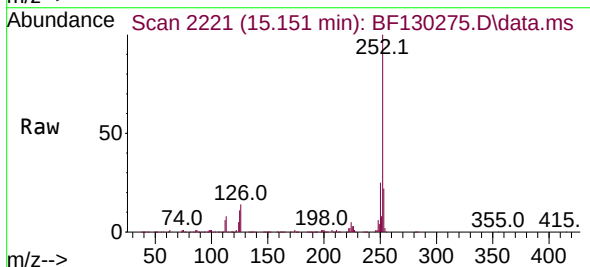
Reviewed By :Christian
Giraldo
09/16/2022

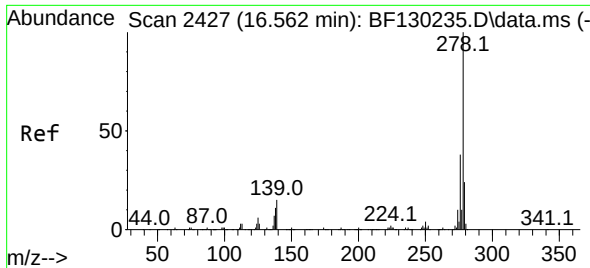
Supervised By :Jagrut
Upadhyay
09/16/2022



#90
Benzo(a)pyrene
Concen: 49.288 ng
RT: 15.151 min Scan# 2221
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

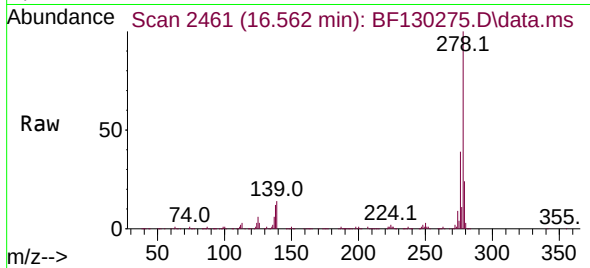
Tgt Ion:252 Resp: 425998
Ion Ratio Lower Upper
252 100
253 22.0 17.8 26.6
125 10.7 9.0 13.6





#91
Dibenzo(a,h)anthracene
Concen: 53.208 ng
RT: 16.562 min Scan# 2427
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13

Instrument :
BNA_F
ClientSampleId :
OH-SOIL-0913MSD

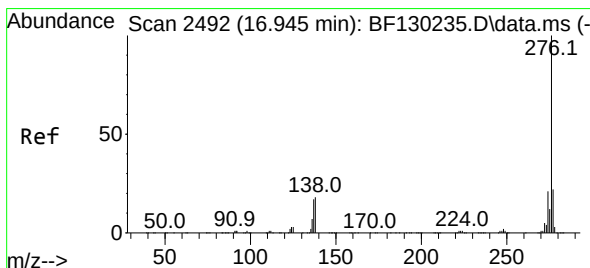
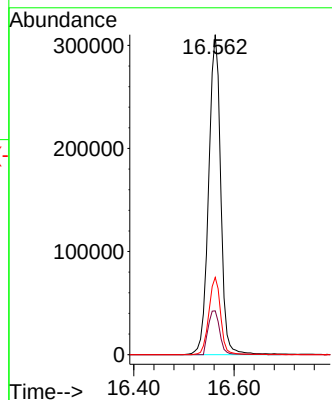
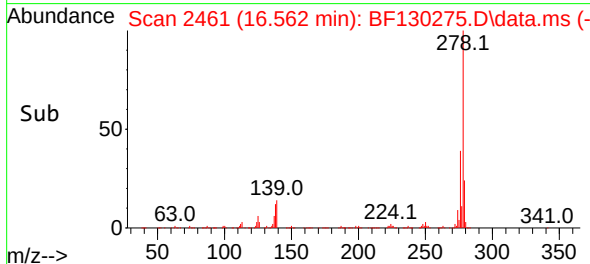


Tgt Ion: 278 Resp: 517375
Ion Ratio Lower Upper
278 100
139 13.7 11.8 17.8
279 24.1 19.4 29.0

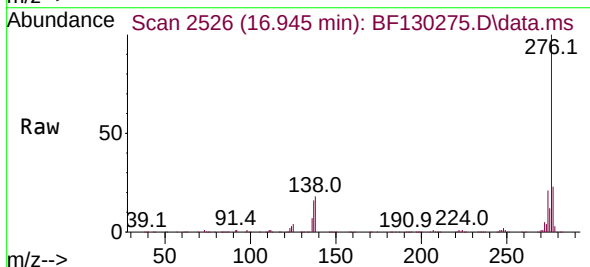
Manual Integrations
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09/16/2022

Supervised By : Jagrut
Upadhyay
09/16/2022



#92
Benzo(g,h,i)perylene
Concen: 52.562 ng
RT: 16.945 min Scan# 2526
Delta R.T. 0.000 min
Lab File: BF130275.D
Acq: 15 Sep 2022 17:13



Tgt Ion: 276 Resp: 514850
Ion Ratio Lower Upper
276 100
277 22.6 18.6 27.8
138 18.4 14.6 21.8

