

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF120423\
 Data File : BF136396.D
 Acq On : 04 Dec 2023 22:44
 Operator : CG\JU
 Sample : 05576-01MSD
 Misc :
 ALS Vial : 23 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-112923MSD

Manual Integrations
 APPROVED

Reviewed By :Yogesh
 Patel

12/05/2023

Supervised By :mohammad
 ahmed

Quant Time: Dec 05 00:38:49 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF112723.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Dec 04 13:30:53 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	118869	20.000	ng	0.00
21) Naphthalene-d8	8.081	136	468345	20.000	ng	0.00
39) Acenaphthene-d10	9.839	164	207532	20.000	ng	0.00
64) Phenanthrene-d10	11.333	188	333750	20.000	ng	0.00
76) Chrysene-d12	13.986	240	228879	20.000	ng	# 0.00
86) Perylene-d12	15.474	264	178487	20.000	ng	0.02

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System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	834551	97.718	ng	0.01
7) Phenol-d6	6.451	99	1028752	96.338	ng	0.00
23) Nitrobenzene-d5	7.369	82	623493	70.349	ng	0.00
42) 2,4,6-Tribromophenol	10.633	330	234493	92.420	ng	0.00
45) 2-Fluorobiphenyl	9.163	172	1218117	74.972	ng	0.00
79) Terphenyl-d14	12.927	244	1165046	58.715	ng	0.00

Target Compounds					Qvalue
2) 1,4-Dioxane	2.640	88	124313	38.470	ng 95
3) Pyridine	3.399	79	292819	36.708	ng 92
4) n-Nitrosodimethylamine	3.363	42	144741	35.896	ng # 79
6) Aniline	6.475	93	179283	17.763	ng 96
8) 2-Chlorophenol	6.593	128	385474	41.453	ng 93
9) Benzaldehyde	6.357	77	162261	27.263	ng 96
10) Phenol	6.463	94	444919	38.836	ng 95
11) bis(2-Chloroethyl)ether	6.545	93	355389	42.286	ng 95
12) 1,3-Dichlorobenzene	6.745	146	403780	38.262	ng 97
13) 1,4-Dichlorobenzene	6.822	146	417310	38.899	ng 97
14) 1,2-Dichlorobenzene	6.975	146	389018	38.303	ng 97
15) Benzyl Alcohol	6.951	79	314062	41.948	ng 94
16) 2,2'-oxybis(1-Chloropr...	7.081	45	450110	38.557	ng 95
17) 2-Methylphenol	7.063	107	289843	39.646	ng 96
18) Hexachloroethane	7.310	117	122777	32.628	ng 97
19) n-Nitroso-di-n-propyla...	7.222	70	250263	39.185	ng 94
20) 3+4-Methylphenols	7.216	107	362789	38.183	ng 99
22) Acetophenone	7.216	105	530106	43.097	ng # 92
24) Nitrobenzene	7.387	77	361425	40.241	ng 95
25) Isophorone	7.628	82	676796	42.350	ng # 94
26) 2-Nitrophenol	7.698	139	170917	44.663	ng 100
27) 2,4-Dimethylphenol	7.739	122	278584	55.309	ng 94
28) bis(2-Chloroethoxy)met...	7.834	93	431964	44.686	ng 97
29) 2,4-Dichlorophenol	7.945	162	297100	43.731	ng 97
30) 1,2,4-Trichlorobenzene	8.022	180	338685	40.718	ng 98
31) Naphthalene	8.104	128	1082192	41.109	ng 97
32) Benzoic acid	7.869	122	214405	46.706	ng 98
33) 4-Chloroaniline	8.169	127	90180	10.078	ng 96
34) Hexachlorobutadiene	8.222	225	195454	40.165	ng 99
35) Caprolactam	8.528	113	92692m	48.805	ng
36) 4-Chloro-3-methylphenol	8.645	107	294864	40.017	ng 92
37) 2-Methylnaphthalene	8.798	142	661757	40.074	ng 96
38) 1-Methylnaphthalene	8.898	142	628600	39.022	ng 92
40) 1,2,4,5-Tetrachloroben...	8.963	216	317568	48.082	ng 98
41) Hexachlorocyclopentadiene	8.945	237	48850	19.222	ng 99
43) 2,4,6-Trichlorophenol	9.075	196	193865	45.222	ng 92

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	197656	42.250	ng	97
46) 1,1'-Biphenyl	9.263	154	846081	46.231	ng	98
47) 2-Chloronaphthalene	9.286	162	603950	42.495	ng	96
48) 2-Nitroaniline	9.386	65	171629	46.253	ng	87
49) Acenaphthylene	9.704	152	905782	44.659	ng	98
50) Dimethylphthalate	9.569	163	733719	46.776	ng	99
51) 2,6-Dinitrotoluene	9.628	165	140489	43.842	ng	98
52) Acenaphthene	9.875	154	541087	42.216	ng	95
53) 3-Nitroaniline	9.798	138	111917	35.199	ng	89
54) 2,4-Dinitrophenol	9.904	184	21172	14.206	ng	90
55) Dibenzofuran	10.045	168	799804	41.935	ng	99
56) 4-Nitrophenol	9.963	139	207750	86.029	ng	91
57) 2,4-Dinitrotoluene	10.033	165	166152	38.817	ng	# 97
58) Fluorene	10.392	166	603686	40.353	ng	96
59) 2,3,4,6-Tetrachlorophenol	10.169	232	154386	41.476	ng	98
60) Diethylphthalate	10.269	149	675355	43.042	ng	97
61) 4-Chlorophenyl-phenyle...	10.386	204	299624	41.241	ng	97
62) 4-Nitroaniline	10.410	138	127318	40.908	ng	94
63) Azobenzene	10.545	77	557533	38.328	ng	95
65) 4,6-Dinitro-2-methylph...	10.439	198	16925	9.273	ng	96
66) n-Nitrosodiphenylamine	10.504	169	515125	48.163	ng	96
67) 4-Bromophenyl-phenylether	10.875	248	177563	45.602	ng	97
68) Hexachlorobenzene	10.939	284	191509	42.496	ng	94
69) Atrazine	11.039	200	166128	52.361	ng	95
70) Pentachlorophenol	11.139	266	209703	82.323	ng	96
71) Phenanthrene	11.357	178	1008619	53.769	ng	97
72) Anthracene	11.410	178	886264	47.114	ng	98
73) Carbazole	11.569	167	729164	45.575	ng	99
74) Di-n-butylphthalate	11.904	149	974011	48.656	ng	98
75) Fluoranthene	12.551	202	1124049	59.027	ng	95
77) Benzidine	12.674	184	186236	49.500	ng	98
78) Pyrene	12.780	202	1108418	44.220	ng	97
80) Butylbenzylphthalate	13.410	149	373403	47.865	ng	94
81) Benzo(a)anthracene	13.974	228	820388	48.257	ng	98
82) 3,3'-Dichlorobenzidine	13.939	252	169417	41.399	ng	# 93
83) Chrysene	14.016	228	781097	47.586	ng	98
84) Bis(2-ethylhexyl)phtha...	13.974	149	530102	56.620	ng	# 97
85) Di-n-octyl phthalate	14.592	149	905194	58.290	ng	99
87) Indeno(1,2,3-cd)pyrene	16.986	276	525381	39.860	ng	99
88) Benzo(b)fluoranthene	15.039	252	649797	51.891	ng	99
89) Benzo(k)fluoranthene	15.068	252	541031	45.490	ng	97
90) Benzo(a)pyrene	15.410	252	499954	48.839	ng	97
91) Dibenzo(a,h)anthracene	17.009	278	406300	38.512	ng	98
92) Benzo(g,h,i)perylene	17.451	276	414663	38.964	ng	100

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

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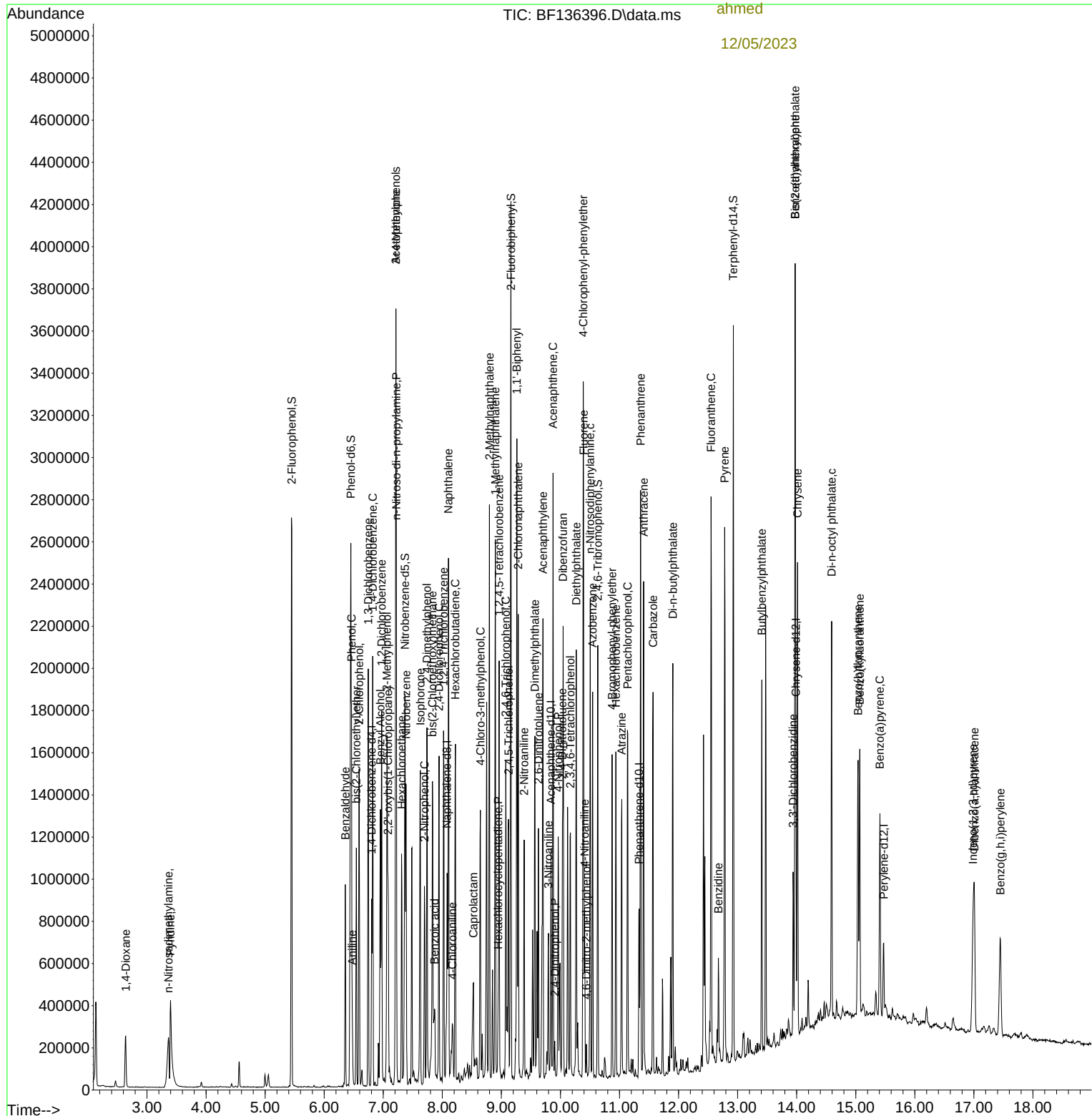
Instrument :
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ClientSampleId :
TR-04-112923MSD

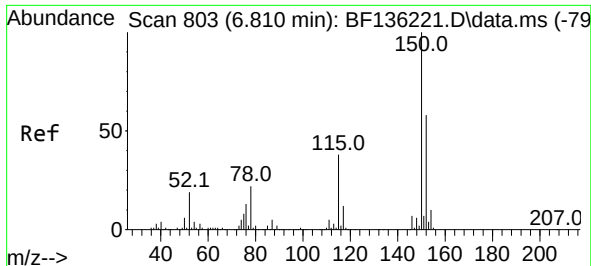
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ahmed





#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 80
Delta R.T. 0.000 min
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ClientSampleId :
TR-04-112923MSD

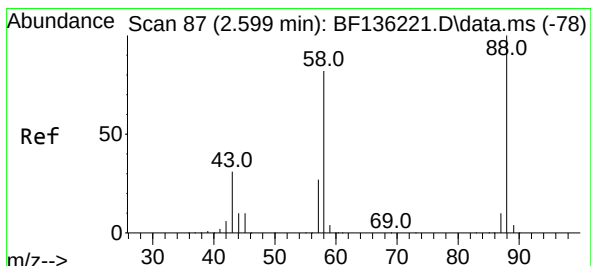
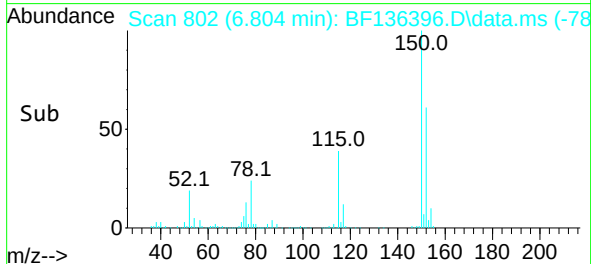
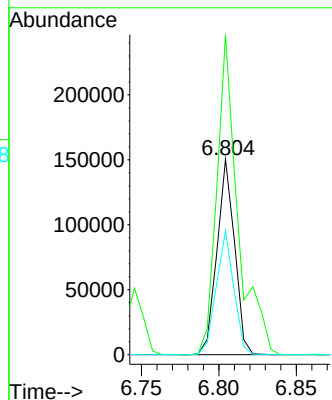
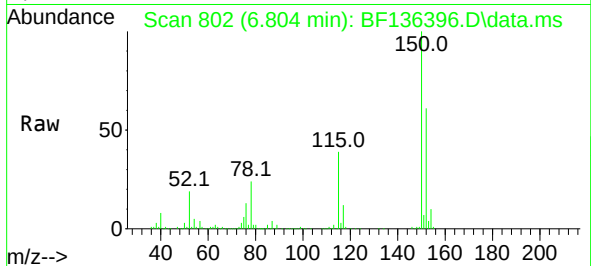
Tgt Ion:152 Resp: 11886
Ion Ratio Lower Upper
152 100
150 163.9 137.8 206.8
115 63.4 52.7 79.1

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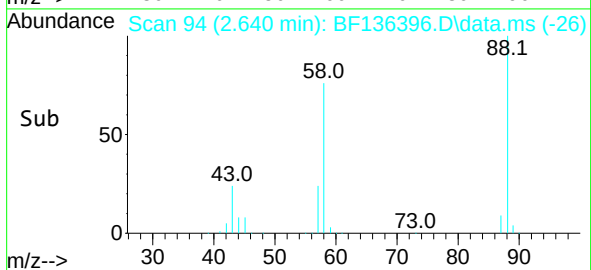
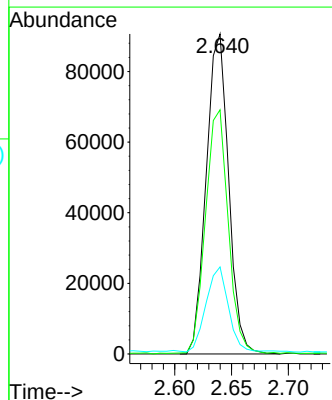
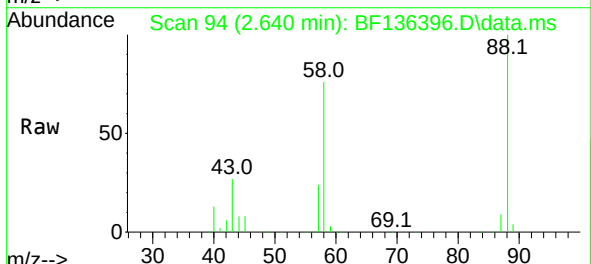
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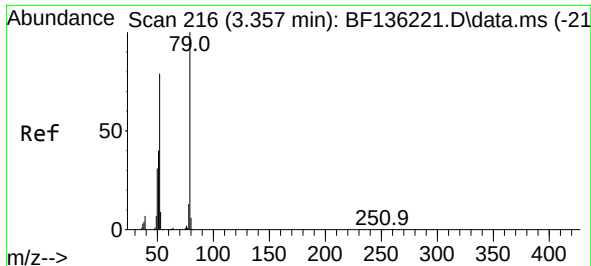
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#2
1,4-Dioxane
Concen: 38.470 ng
RT: 2.640 min Scan# 94
Delta R.T. 0.047 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

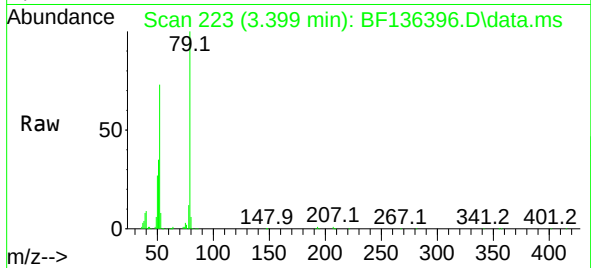
Tgt Ion: 88 Resp: 124313
Ion Ratio Lower Upper
88 100
58 78.1 65.9 98.9
43 27.1 24.8 37.2





#3
Pyridine
Concen: 36.708 ng
RT: 3.399 min Scan# 216
Delta R.T. 0.047 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

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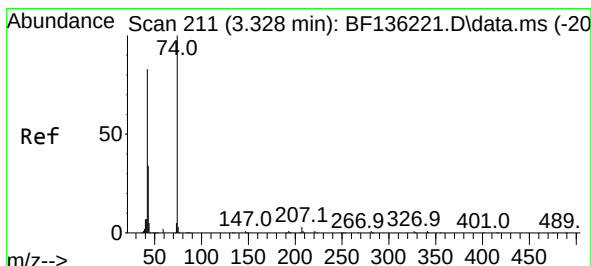
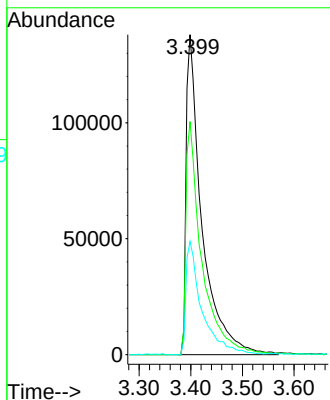
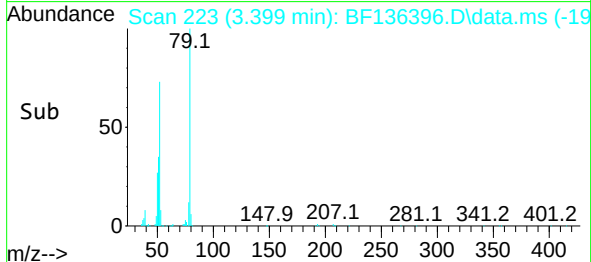
Tgt Ion: 79 Resp: 292819
Ion Ratio Lower Upper
79 100
52 72.9 63.2 94.8
51 35.4 32.6 49.0

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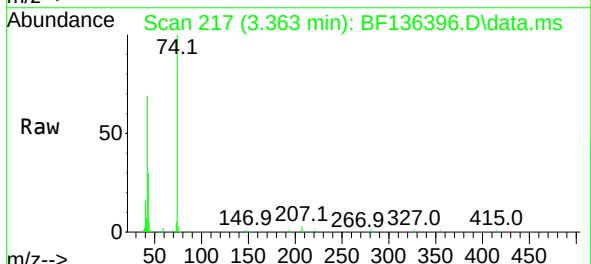
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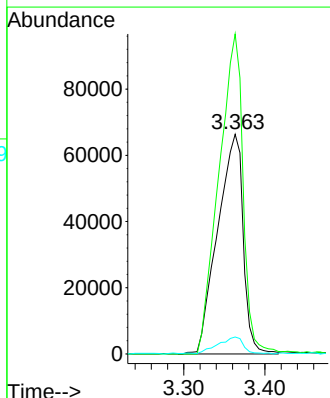
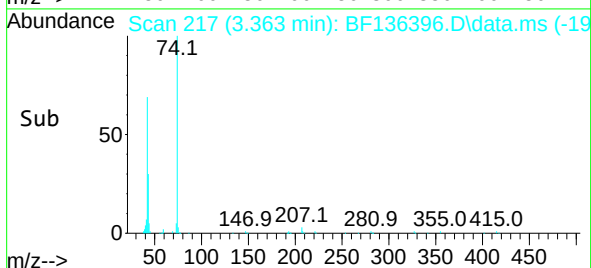
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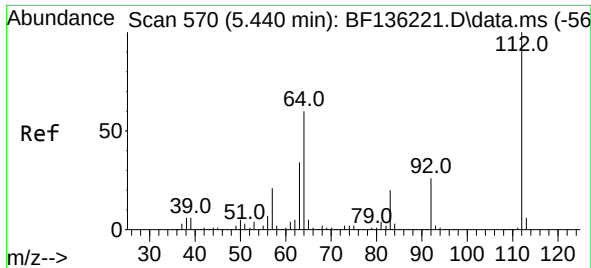


#4
n-Nitrosodimethylamine
Concen: 35.896 ng
RT: 3.363 min Scan# 217
Delta R.T. 0.035 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44



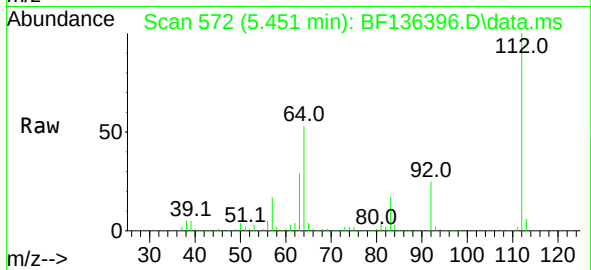
Tgt Ion: 42 Resp: 144741
Ion Ratio Lower Upper
42 100
74 145.7 96.6 144.8#
44 7.7 5.4 8.2





#5
2-Fluorophenol
Concen: 97.718 ng
RT: 5.451 min Scan# 511
Delta R.T. 0.012 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

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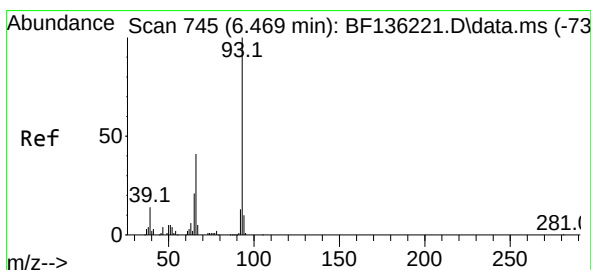
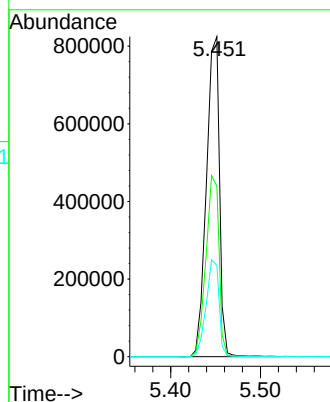
Tgt Ion:112 Resp: 83455
Ion Ratio Lower Upper
112 100
64 53.3 48.2 72.4
63 28.6 27.0 40.6

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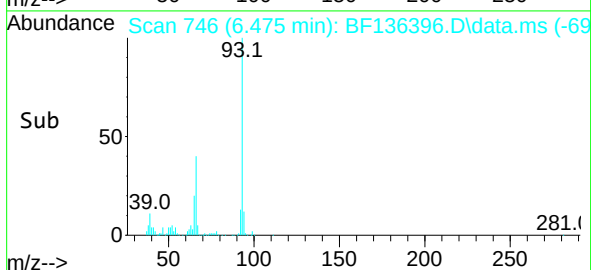
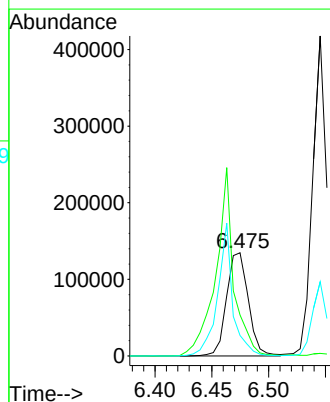
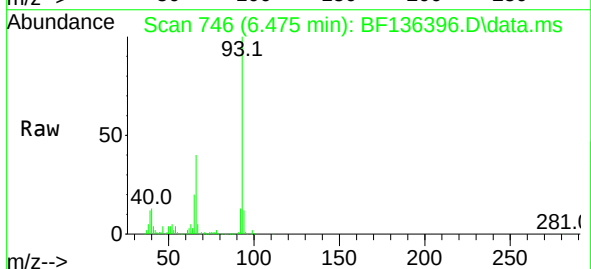
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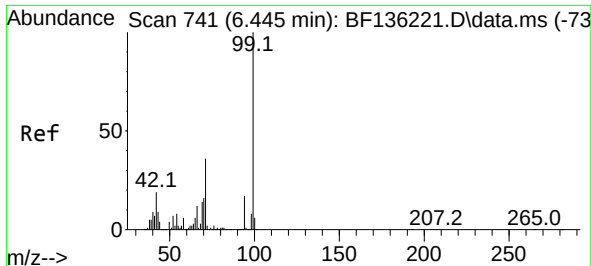
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#6
Aniline
Concen: 17.763 ng
RT: 6.475 min Scan# 746
Delta R.T. 0.000 min
Lab File: BF136396.D
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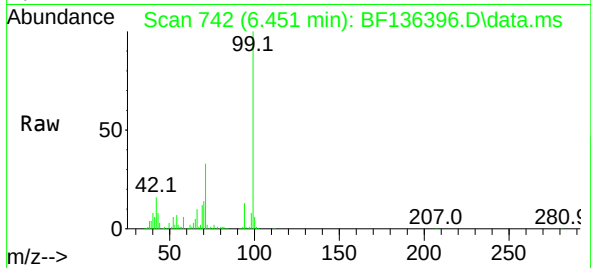
Tgt Ion: 93 Resp: 179283
Ion Ratio Lower Upper
93 100
66 39.8 34.1 51.1
65 19.9 17.3 25.9





#7
Phenol-d6
Concen: 96.338 ng
RT: 6.451 min Scan# 741
Delta R.T. 0.006 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

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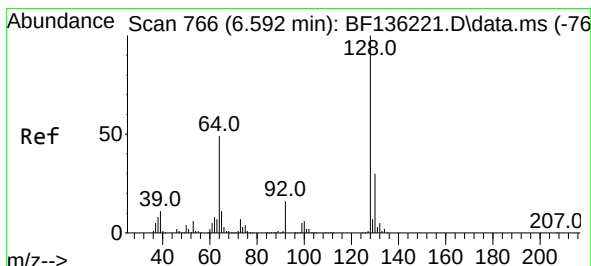
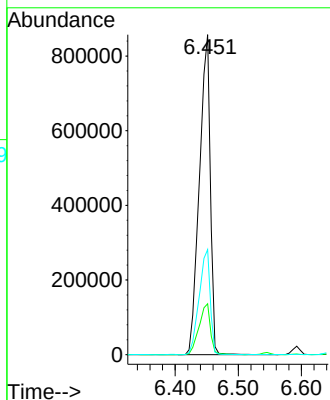
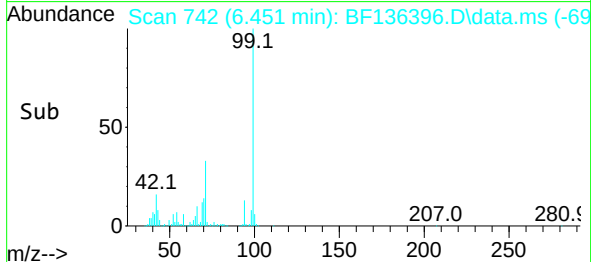
Tgt Ion: 99 Resp: 102875
Ion Ratio Lower Upper
99 100
42 15.9 15.0 22.6
71 32.9 28.9 43.3

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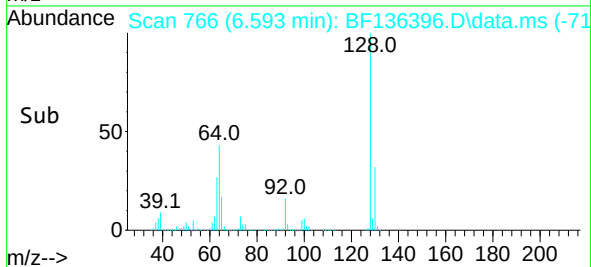
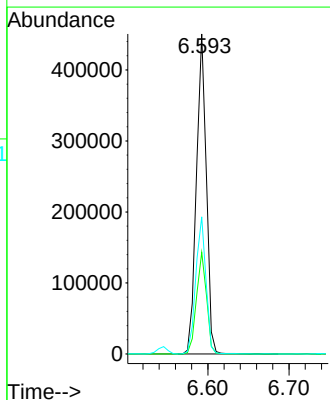
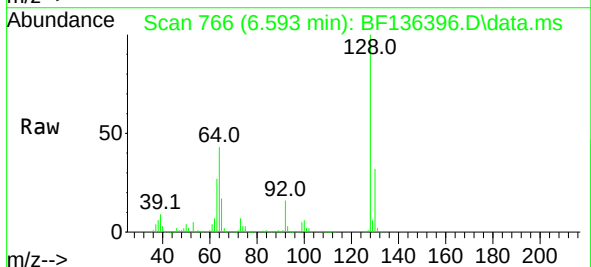
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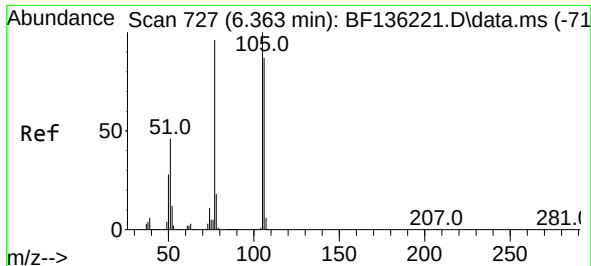
12/05/2023



#8
2-Chlorophenol
Concen: 41.453 ng
RT: 6.593 min Scan# 766
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

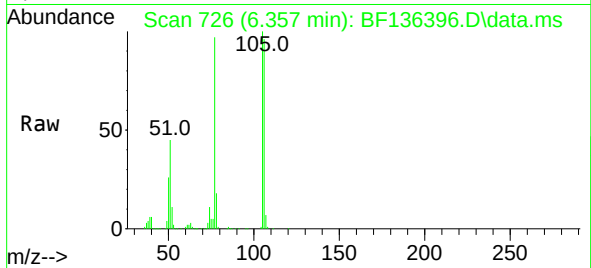
Tgt Ion:128 Resp: 385474
Ion Ratio Lower Upper
128 100
130 31.8 10.3 50.3
64 42.8 30.0 70.0





#9
Benzaldehyde
Concen: 27.263 ng
RT: 6.357 min Scan# 71
Delta R.T. 0.000 min
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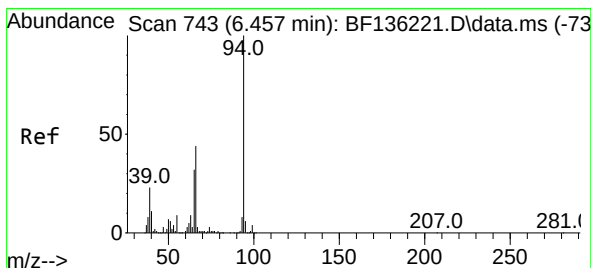
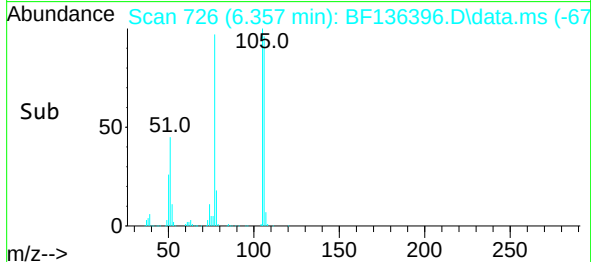
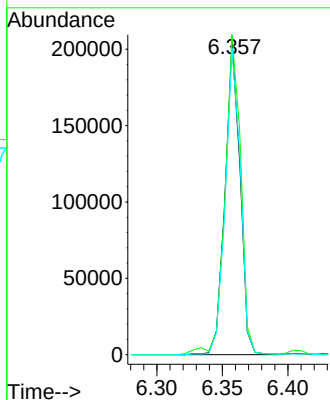
Tgt Ion: 77 Resp: 16226
Ion Ratio Lower Upper
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106 98.3 71.0 111.0

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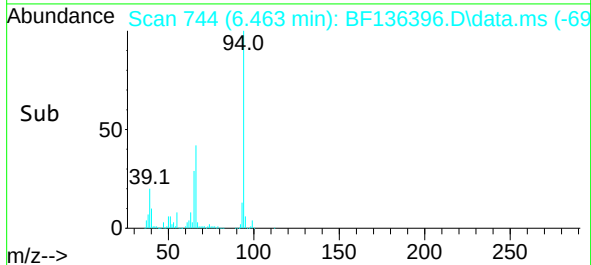
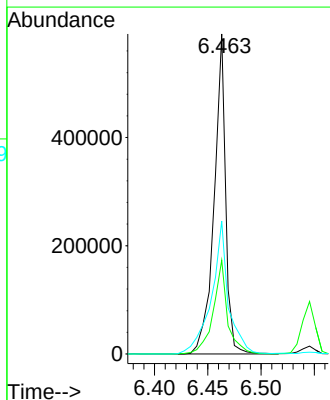
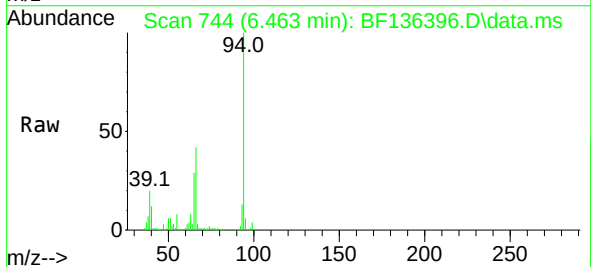
12/05/2023
Supervised By :mohammad
ahmed

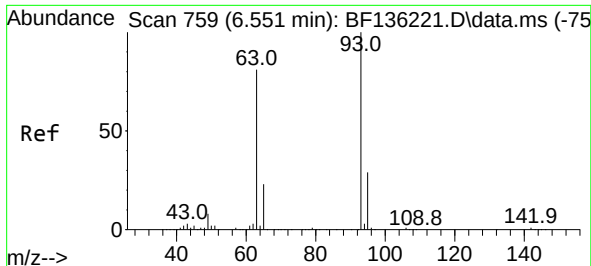
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#10
Phenol
Concen: 38.836 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.006 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Tgt Ion: 94 Resp: 444919
Ion Ratio Lower Upper
94 100
65 29.3 12.5 52.5
66 41.6 24.1 64.1





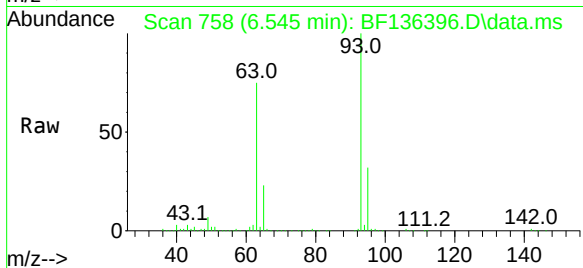
#11
bis(2-Chloroethyl)ether
Concen: 42.286 ng
RT: 6.545 min Scan# 711
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

TR-04-112923MSD



Tgt Ion: 93 Resp: 355389
Ion Ratio Lower Upper
93 100
63 75.1 60.2 100.2
95 31.6 9.1 49.1

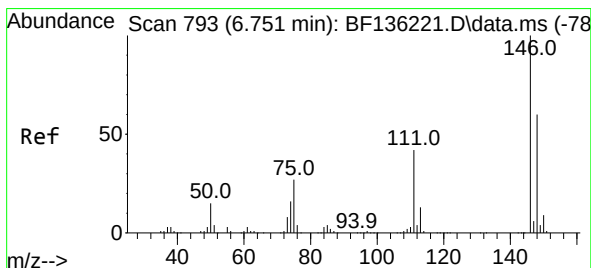
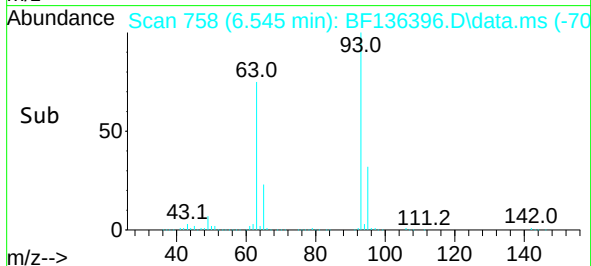
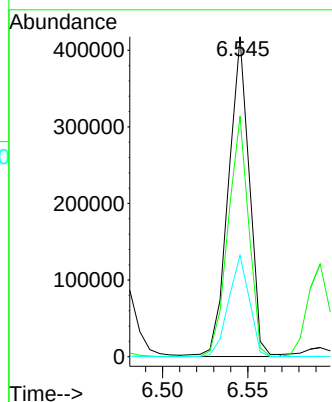
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Reviewed By :Yogesh
Patel

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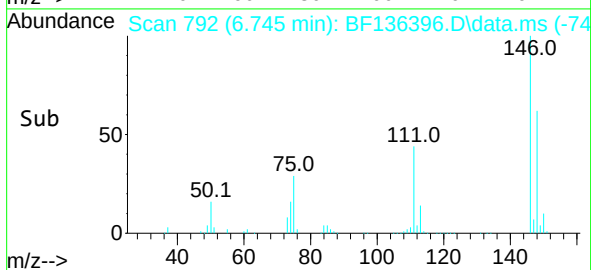
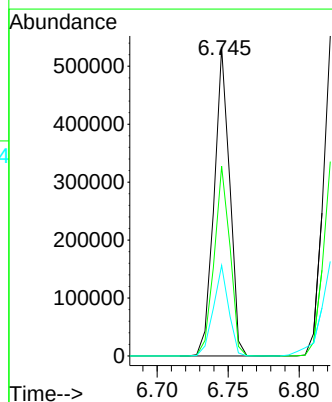
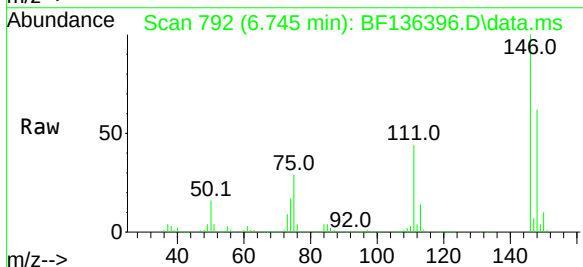
Supervised By :mohammad
ahmed

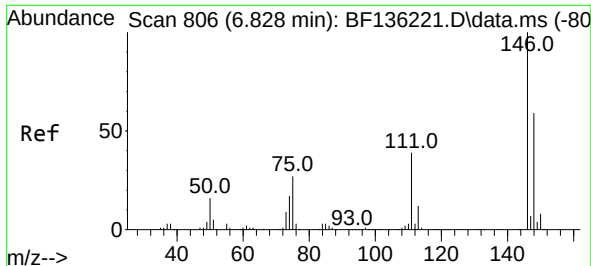
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#12
1,3-Dichlorobenzene
Concen: 38.262 ng
RT: 6.745 min Scan# 792
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Tgt Ion:146 Resp: 403780
Ion Ratio Lower Upper
146 100
148 61.5 47.8 71.6
75 29.4 22.0 33.0





#13

1,4-Dichlorobenzene

Concen: 38.899 ng

RT: 6.822 min Scan# 806

Delta R.T. 0.000 min

Lab File: BF136396.D

Acq: 04 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

TR-04-112923MSD

Tgt Ion:146 Resp: 417310

Ion Ratio Lower Upper

146 100

148 60.7 47.0 70.6

111 41.9 31.5 47.3

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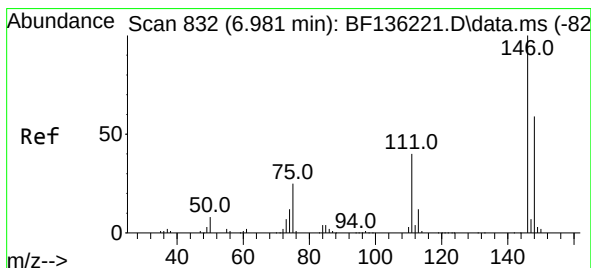
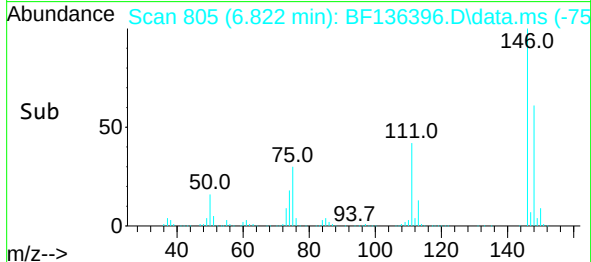
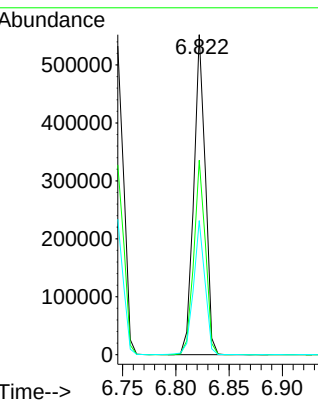
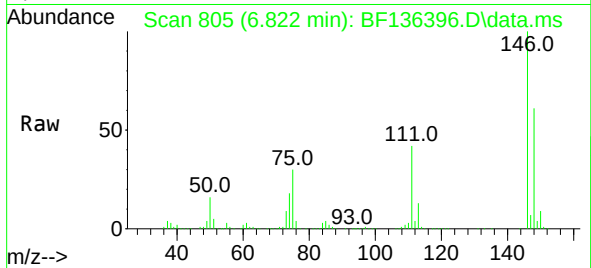
Reviewed By :Yogesh

Patel

12/05/2023

Supervised By :mohammad
ahmed

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#14

1,2-Dichlorobenzene

Concen: 38.303 ng

RT: 6.975 min Scan# 831

Delta R.T. 0.000 min

Lab File: BF136396.D

Acq: 04 Dec 2023 22:44

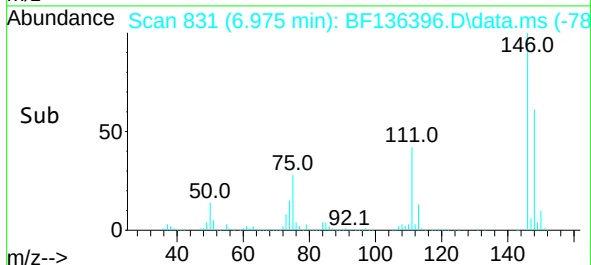
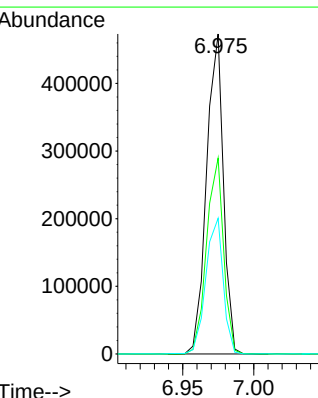
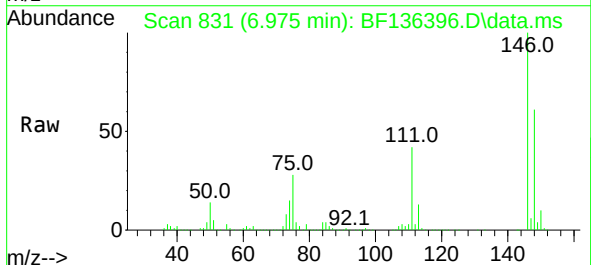
Tgt Ion:146 Resp: 389018

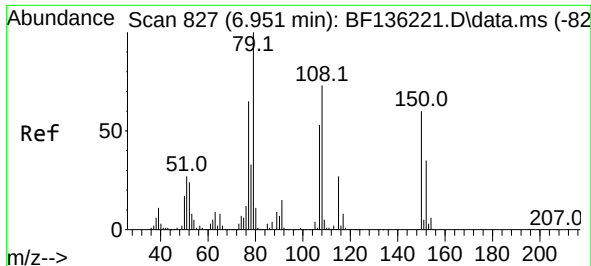
Ion Ratio Lower Upper

146 100

148 61.2 47.3 70.9

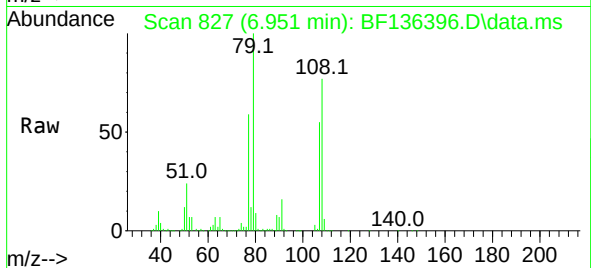
111 42.4 32.4 48.6





#15
Benzyl Alcohol
Concen: 41.948 ng
RT: 6.951 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Instrument :
BNA_F
ClientSampleId :
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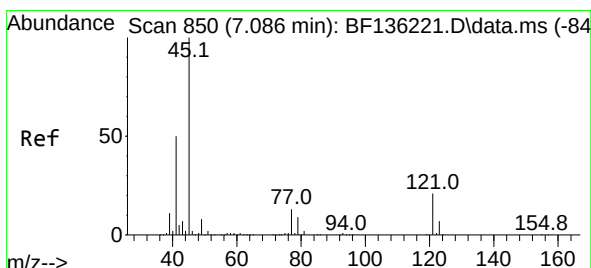
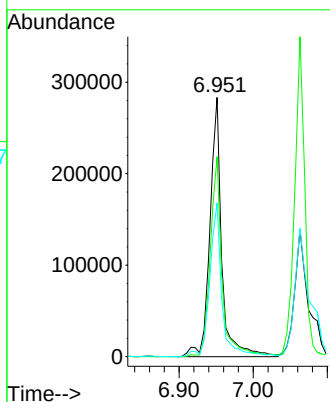
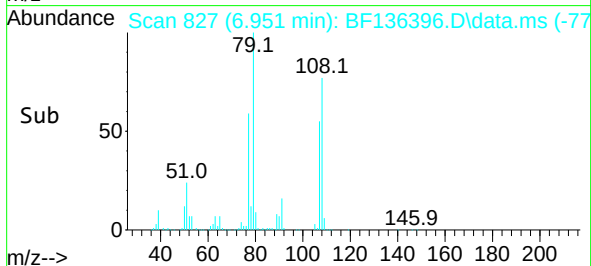
Tgt Ion: 79 Resp: 314062
Ion Ratio Lower Upper
79 100
108 77.1 58.1 87.1
77 59.3 51.8 77.8

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Reviewed By :Yogesh
Patel

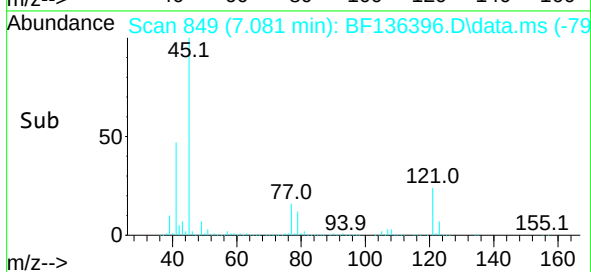
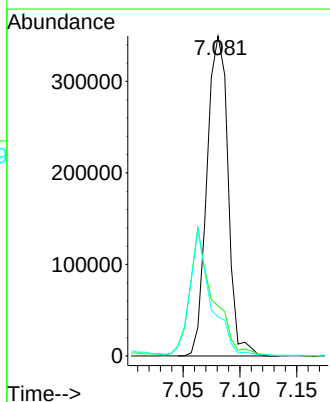
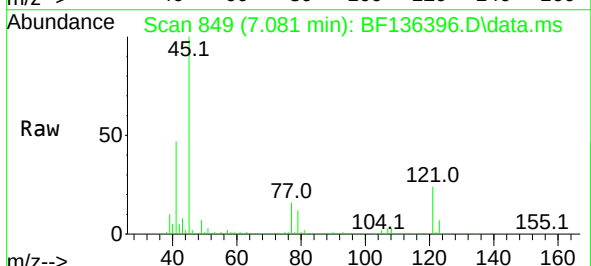
12/05/2023
Supervised By :mohammad
ahmed

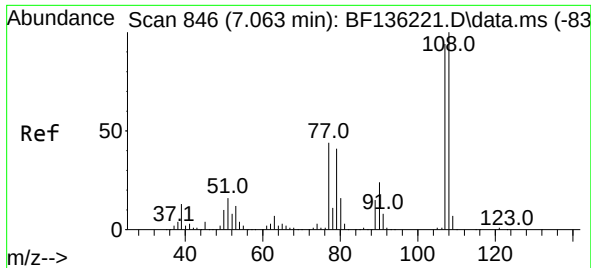
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#16
2,2'-oxybis(1-Chloropropane)
Concen: 38.557 ng
RT: 7.081 min Scan# 849
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Tgt Ion: 45 Resp: 450110
Ion Ratio Lower Upper
45 100
77 15.6 0.0 34.0
79 12.2 0.0 30.1





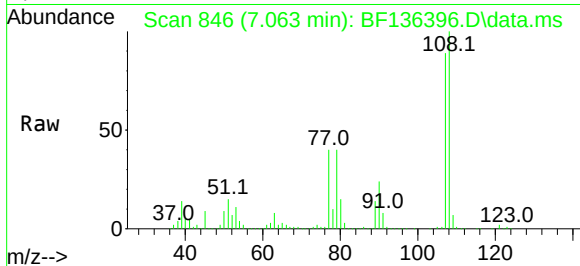
#17
2-Methylphenol
Concen: 39.646 ng
RT: 7.063 min Scan# 846
Delta R.T. 0.006 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

TR-04-112923MSD



Tgt Ion:107 Resp: 28984
Ion Ratio Lower Upper
107 100
108 111.9 85.4 128.0
77 44.9 37.4 56.2
79 44.4 35.8 53.8

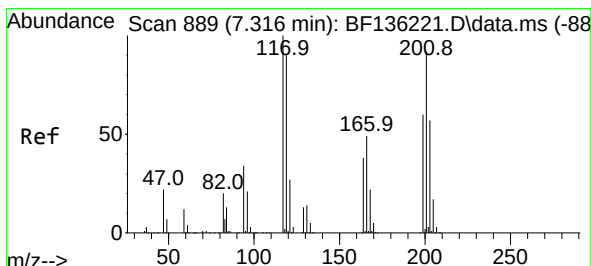
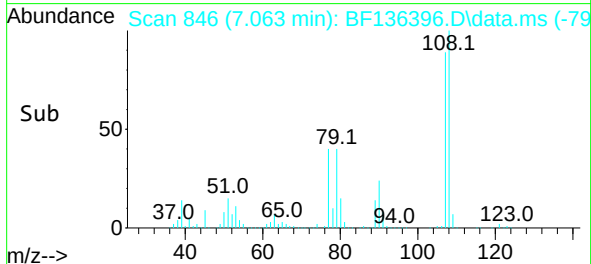
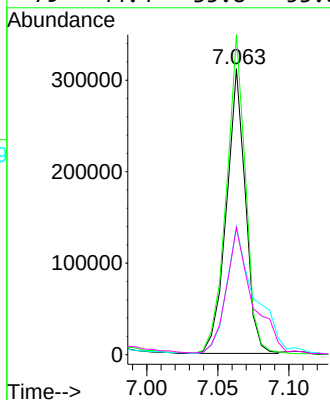
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Reviewed By :Yogesh
Patel

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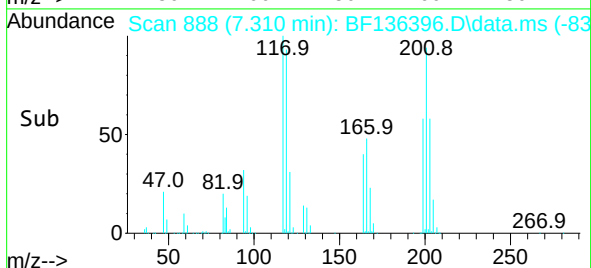
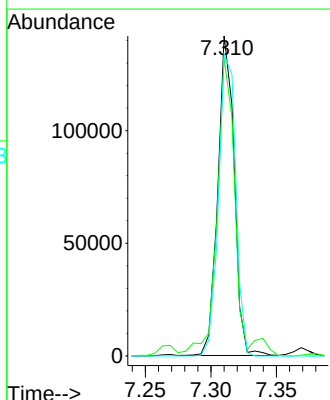
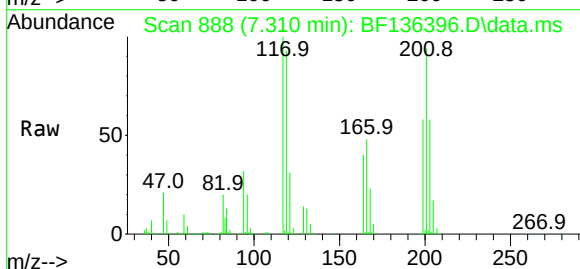
Supervised By :mohammad
ahmed

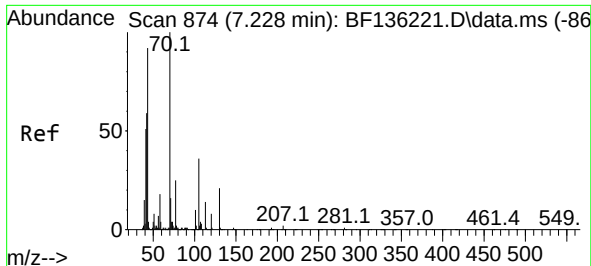
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#18
Hexachloroethane
Concen: 32.628 ng
RT: 7.310 min Scan# 888
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Tgt Ion:117 Resp: 122777
Ion Ratio Lower Upper
117 100
119 93.1 71.6 107.4
201 94.3 73.4 110.2





#19

n-Nitroso-di-n-propylamine

Concen: 39.185 ng

RT: 7.222 min Scan# 81

Delta R.T. 0.000 min

Lab File: BF136396.D

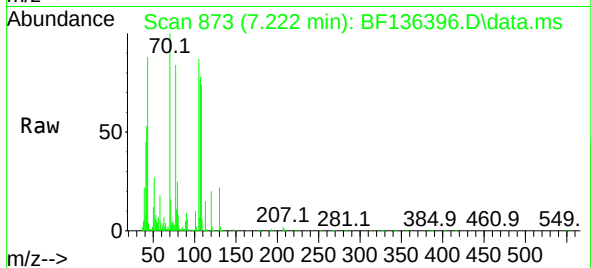
Acq: 04 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

TR-04-112923MSD



Tgt Ion: 70 Resp: 25026

Ion Ratio Lower Upper

70 100

42 52.8 47.0 70.4

101 10.1 7.8 11.8

130 22.3 16.8 25.2

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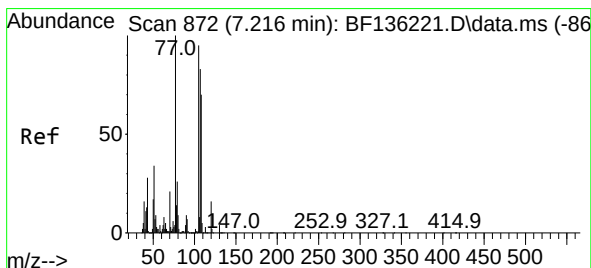
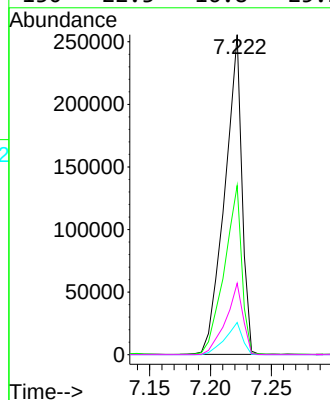
Reviewed By :Yogesh

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Supervised By :mohammad
ahmed

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#20

3+4-Methylphenols

Concen: 38.183 ng

RT: 7.216 min Scan# 872

Delta R.T. 0.000 min

Lab File: BF136396.D

Acq: 04 Dec 2023 22:44

Tgt Ion:107 Resp: 362789

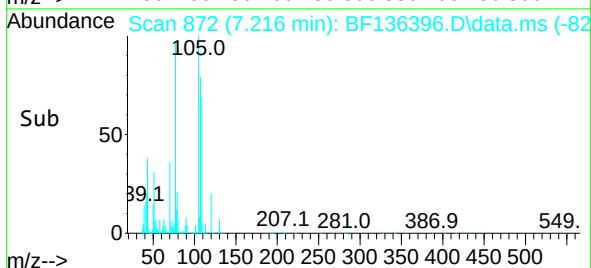
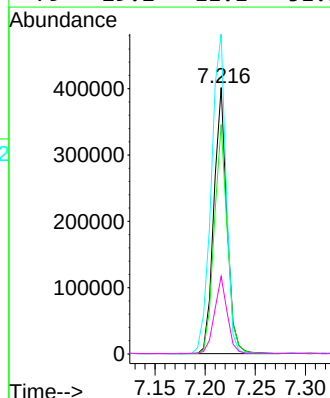
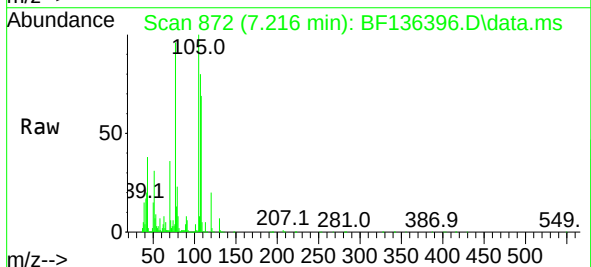
Ion Ratio Lower Upper

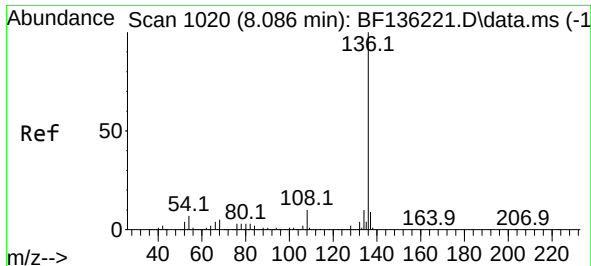
107 100

108 86.1 63.9 103.9

77 120.1 100.2 140.2

79 29.2 11.1 51.1





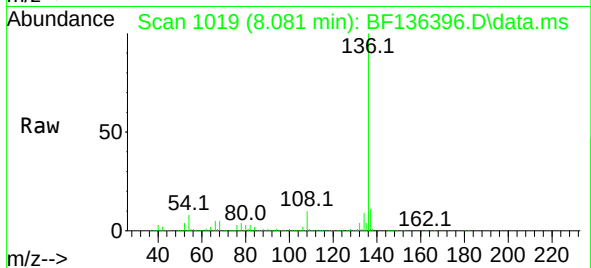
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.081 min Scan# 1020
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

TR-04-112923MSD



Tgt Ion:136 Resp: 468349
Ion Ratio Lower Upper
136 100
137 10.9 7.4 11.2
54 7.7 5.5 8.3
68 5.5 3.7 5.5

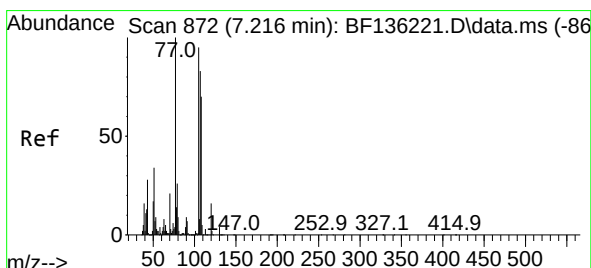
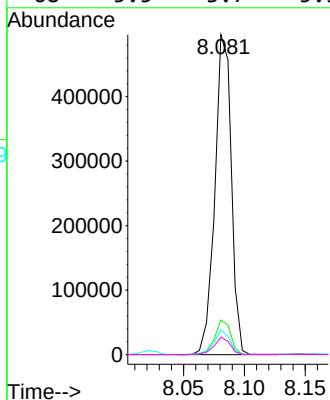
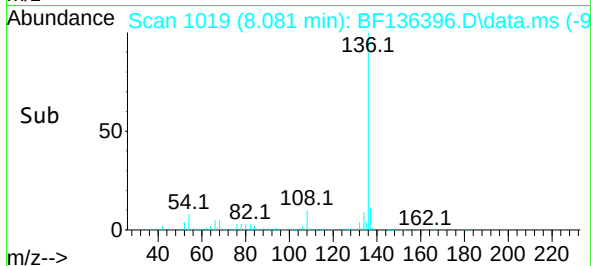
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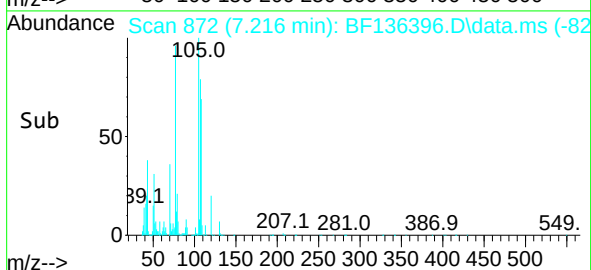
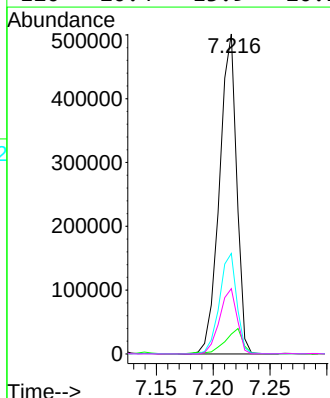
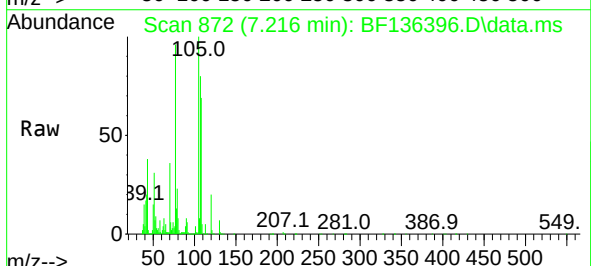
Supervised By :mohammad
ahmed

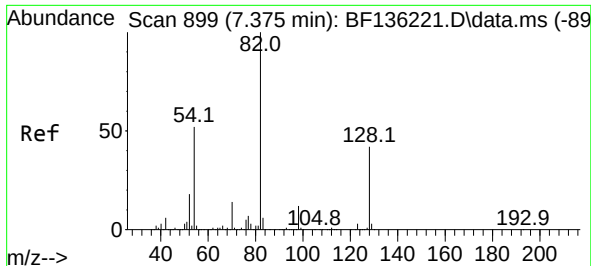
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#22
Acetophenone
Concen: 43.097 ng
RT: 7.216 min Scan# 872
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Tgt Ion:105 Resp: 530106
Ion Ratio Lower Upper
105 100
71 6.2 2.8 4.2#
51 31.4 29.0 43.6
120 20.4 13.9 20.9





#23

Nitrobenzene-d5

Concen: 70.349 ng

RT: 7.369 min Scan# 899

Delta R.T. 0.000 min

Lab File: BF136396.D

Acq: 04 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

TR-04-112923MSD

Tgt Ion: 82 Resp: 62349

Ion	Ratio	Lower	Upper
82	100		
128	45.9	33.4	50.2
54	49.4	41.7	62.5

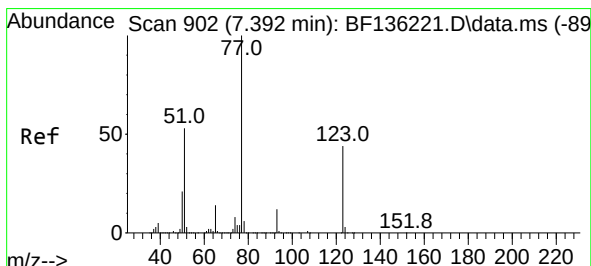
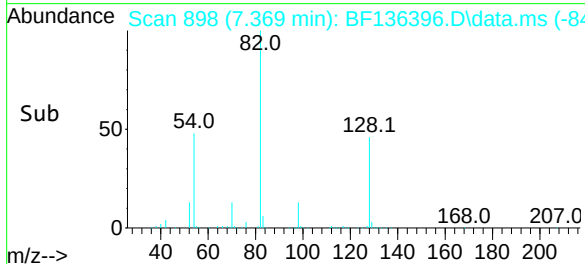
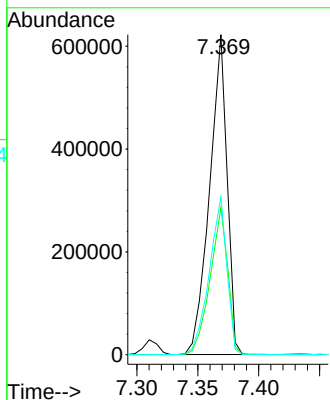
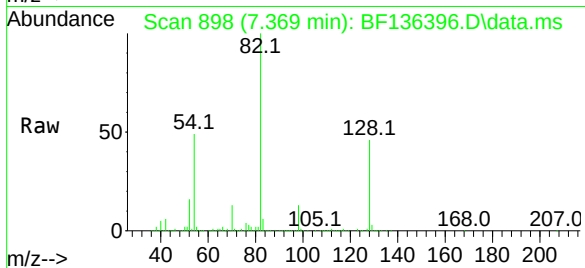
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Reviewed By :Yogesh
Patel

12/05/2023

Supervised By :mohammad
ahmed

12/05/2023



#24

Nitrobenzene

Concen: 40.241 ng

RT: 7.387 min Scan# 901

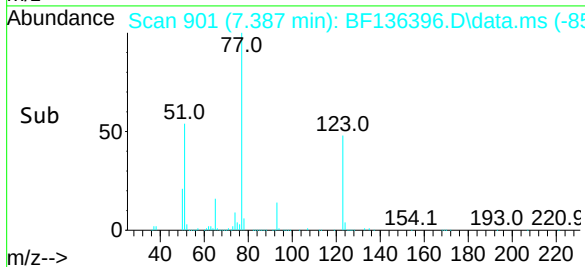
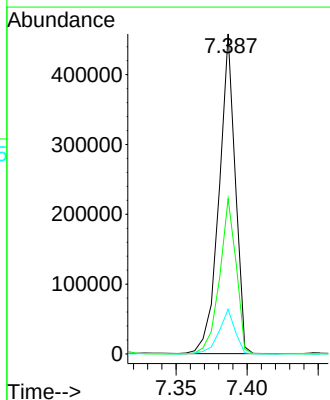
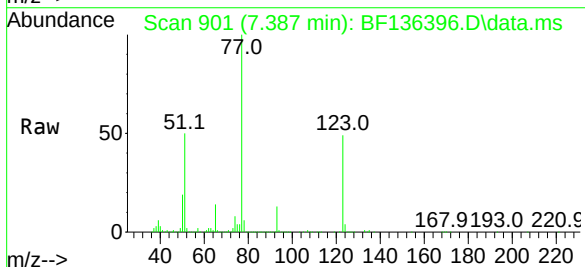
Delta R.T. 0.000 min

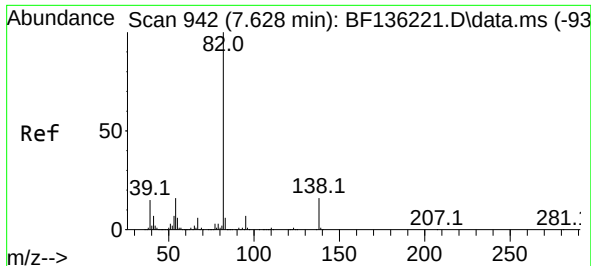
Lab File: BF136396.D

Acq: 04 Dec 2023 22:44

Tgt Ion: 77 Resp: 361425

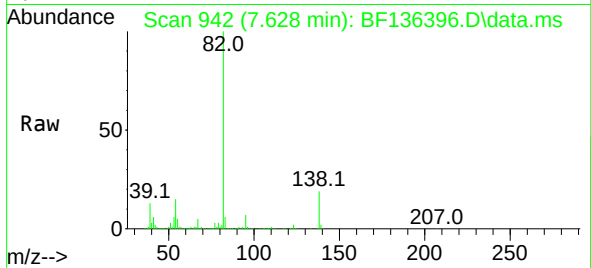
Ion	Ratio	Lower	Upper
77	100		
123	48.5	35.4	53.2
65	14.0	11.0	16.6





#25
Isophorone
Concen: 42.350 ng
RT: 7.628 min Scan# 942
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Instrument :
BNA_F
ClientSampleId :
TR-04-112923MSD



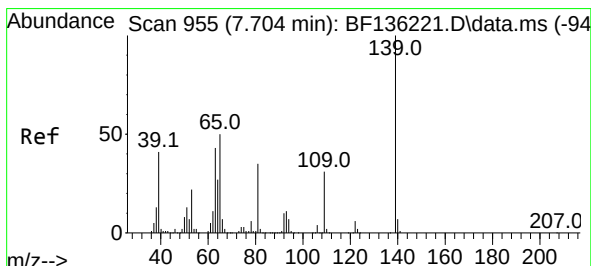
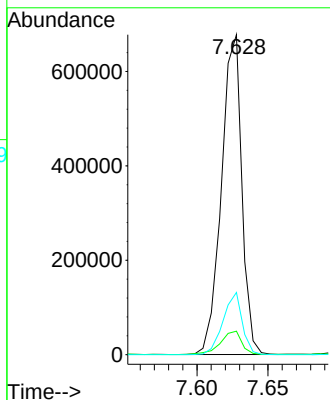
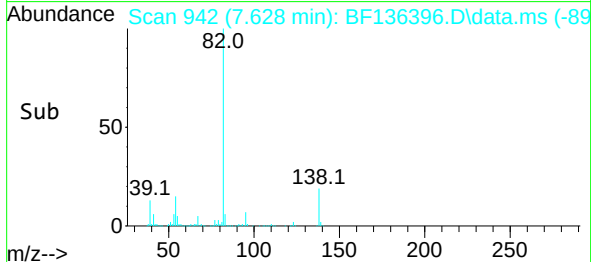
Tgt Ion: 82 Resp: 676790
Ion Ratio Lower Upper
82 100
95 7.4 5.5 8.3
138 19.5 12.8 19.2

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Patel

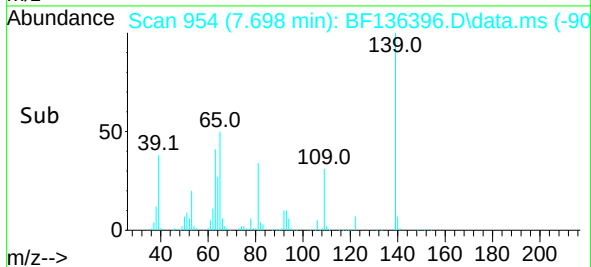
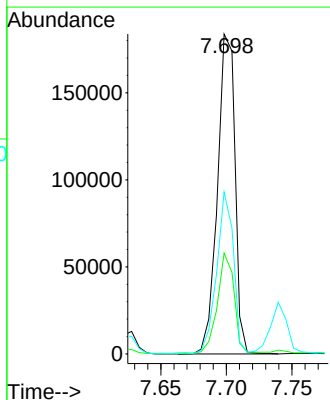
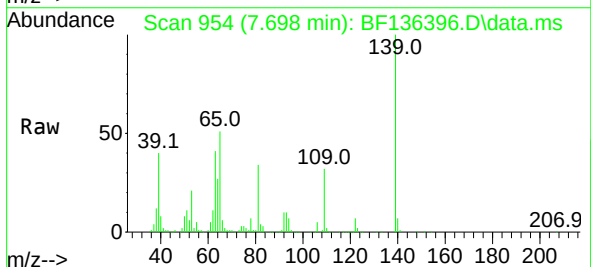
12/05/2023
Supervised By :mohammad
ahmed

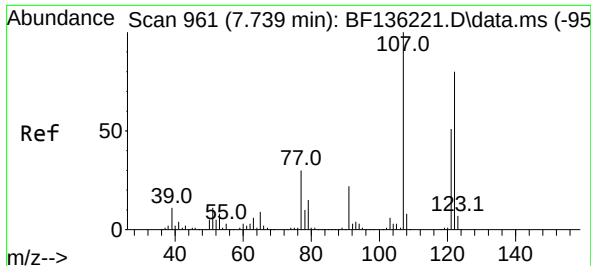
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#26
2-Nitrophenol
Concen: 44.663 ng
RT: 7.698 min Scan# 954
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Tgt Ion:139 Resp: 170917
Ion Ratio Lower Upper
139 100
109 31.5 25.0 37.6
65 50.6 40.4 60.6





#27
2,4-Dimethylphenol
Concen: 55.309 ng
RT: 7.739 min Scan# 961
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

TR-04-112923MSD

Tgt Ion:122 Resp: 278584
Ion Ratio Lower Upper
122 100
107 117.4 100.0 150.0
121 60.9 50.7 76.1

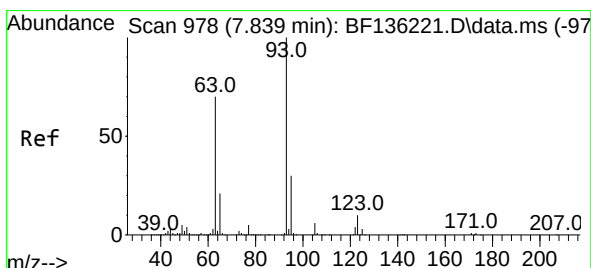
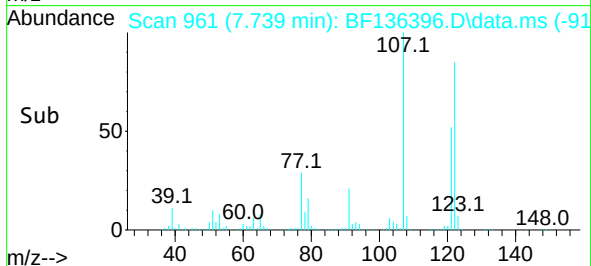
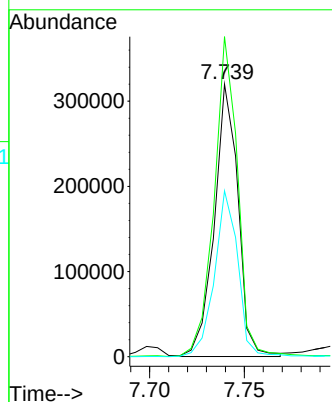
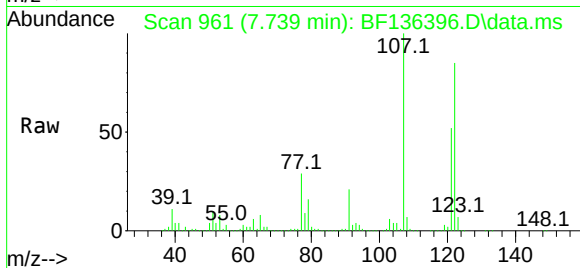
Manual Integrations
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Reviewed By :Yogesh
Patel

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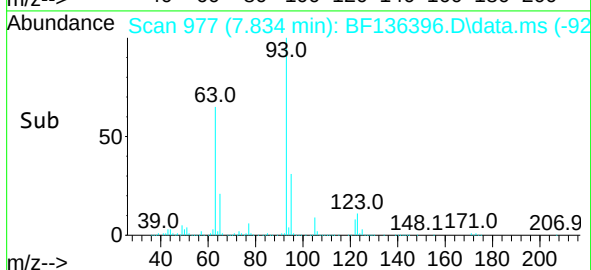
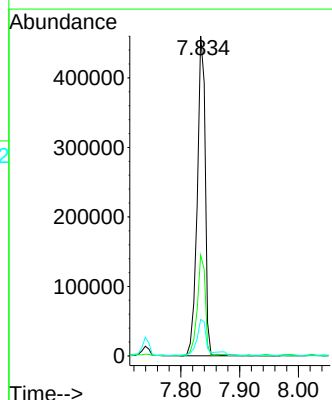
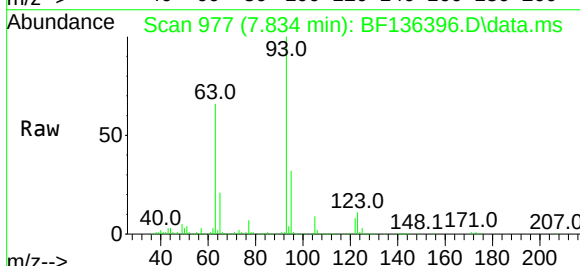
Supervised By :mohammad
ahmed

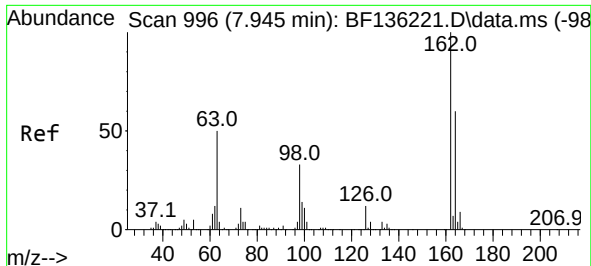
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#28
bis(2-Chloroethoxy)methane
Concen: 44.686 ng
RT: 7.834 min Scan# 977
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Tgt Ion: 93 Resp: 431964
Ion Ratio Lower Upper
93 100
95 31.6 23.8 35.6
123 11.4 8.2 12.4





#29

2,4-Dichlorophenol

Concen: 43.731 ng

RT: 7.945 min Scan# 996

Delta R.T. 0.006 min

Lab File: BF136396.D

Acq: 04 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

TR-04-112923MSD

Tgt Ion:162 Resp: 297100

Ion	Ratio	Lower	Upper
162	100		
164	63.0	40.3	80.3
98	34.5	13.0	53.0

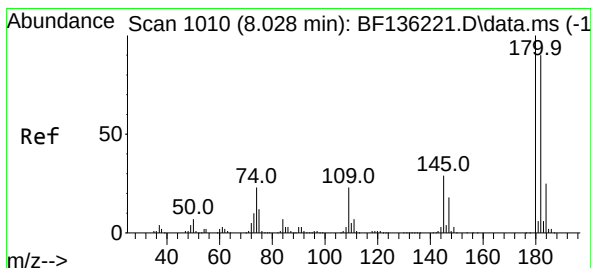
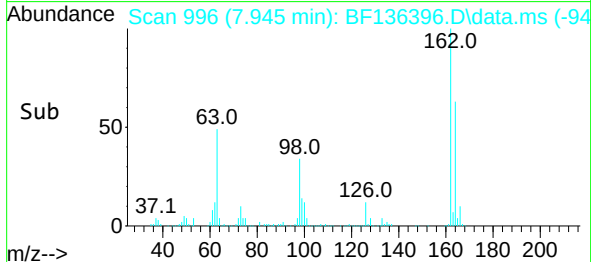
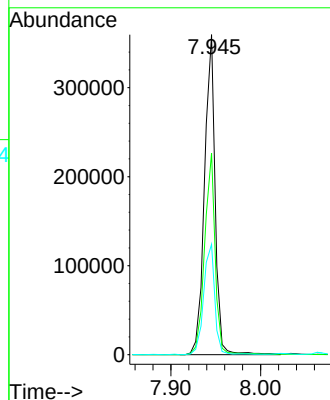
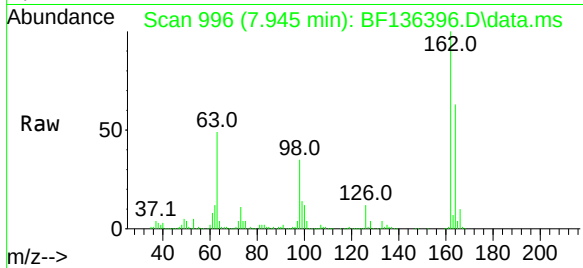
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

12/05/2023

Supervised By :mohammad
ahmed

12/05/2023



#30

1,2,4-Trichlorobenzene

Concen: 40.718 ng

RT: 8.022 min Scan# 1009

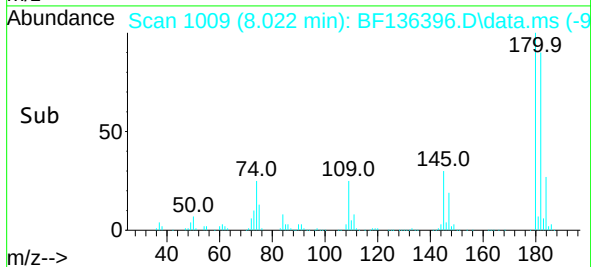
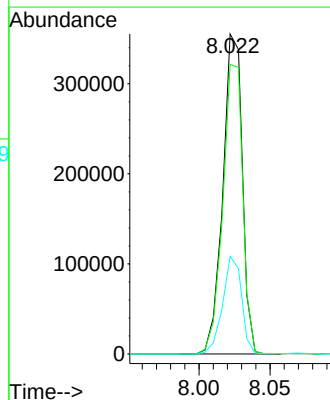
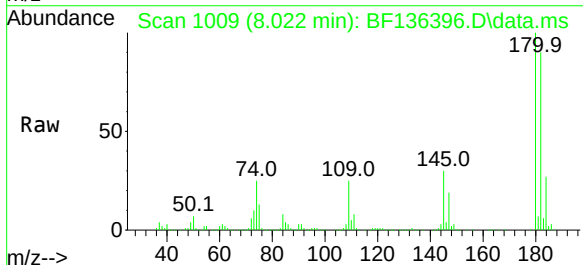
Delta R.T. 0.000 min

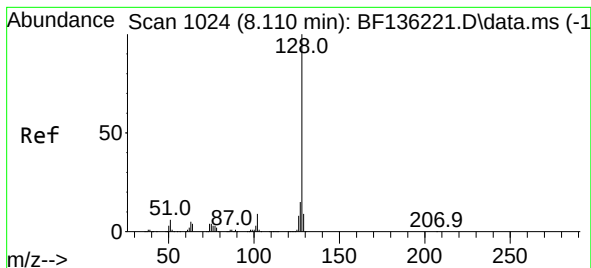
Lab File: BF136396.D

Acq: 04 Dec 2023 22:44

Tgt Ion:180 Resp: 338685

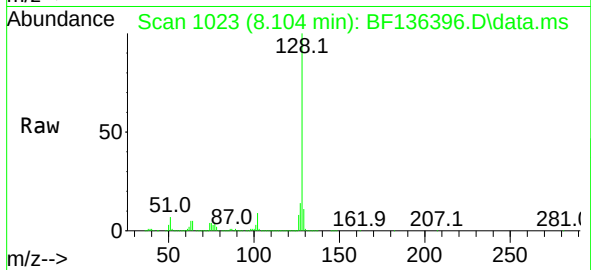
Ion	Ratio	Lower	Upper
180	100		
182	90.5	71.6	107.4
145	30.5	23.0	34.4





#31
Naphthalene
Concen: 41.109 ng
RT: 8.104 min Scan# 1024
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Instrument :
BNA_F
ClientSampleId :
TR-04-112923MSD



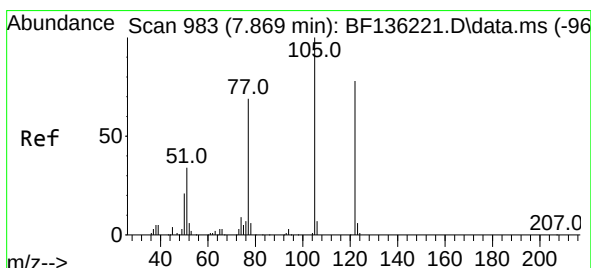
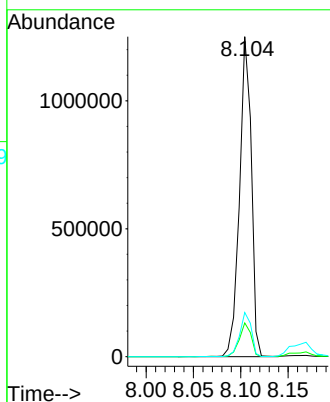
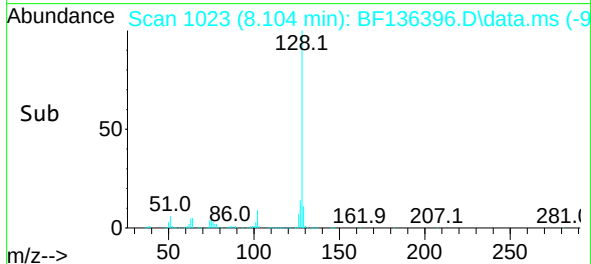
Tgt Ion:128 Resp: 108219
Ion Ratio Lower Upper
128 100
129 10.5 7.3 10.9
127 13.8 11.8 17.6

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Reviewed By :Yogesh
Patel

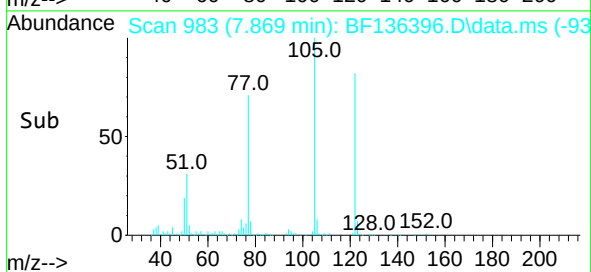
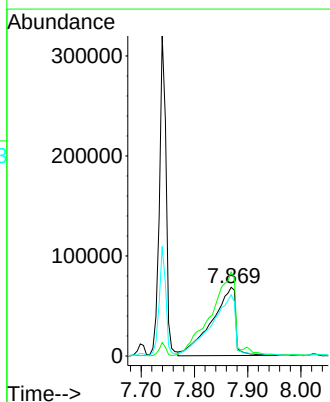
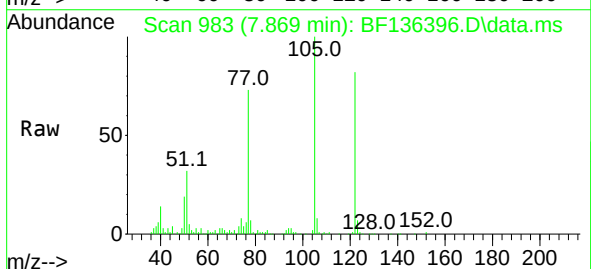
12/05/2023
Supervised By :mohammad
ahmed

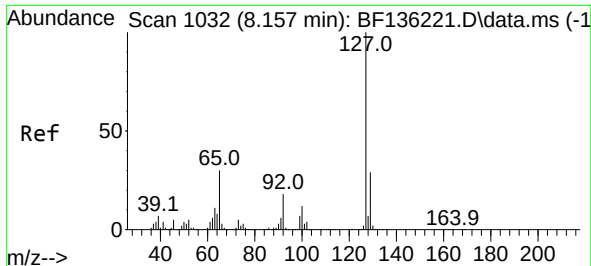
12/05/2023



#32
Benzoic acid
Concen: 46.706 ng
RT: 7.869 min Scan# 983
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

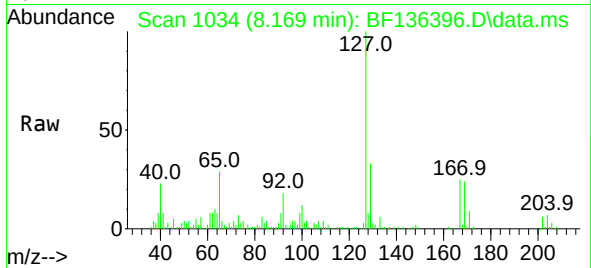
Tgt Ion:122 Resp: 214405
Ion Ratio Lower Upper
122 100
105 122.4 103.7 143.7
77 89.2 66.8 106.8





#33
4-Chloroaniline
Concen: 10.078 ng
RT: 8.169 min Scan# 1032
Delta R.T. 0.012 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Instrument :
BNA_F
ClientSampleId :
TR-04-112923MSD



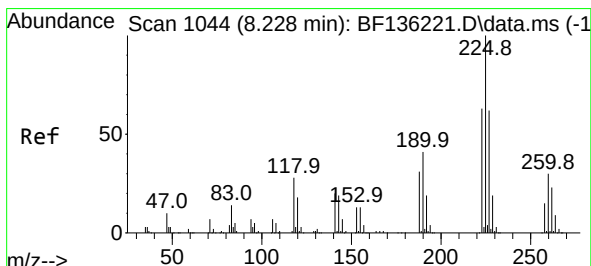
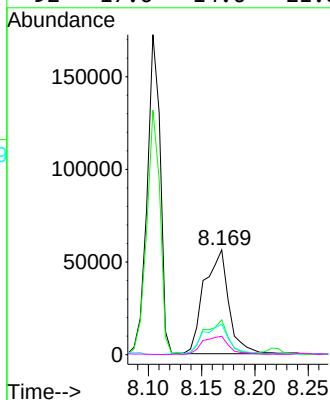
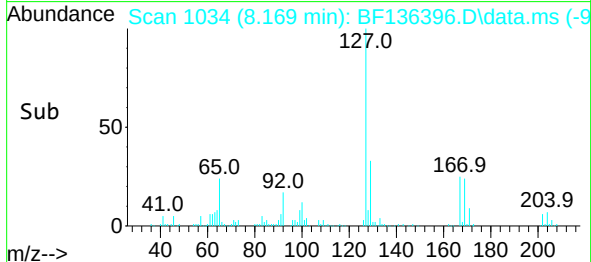
Tgt Ion:127 Resp: 90180
Ion Ratio Lower Upper
127 100
129 33.3 23.4 35.2
65 29.1 23.8 35.6
92 17.6 14.6 21.8

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Patel

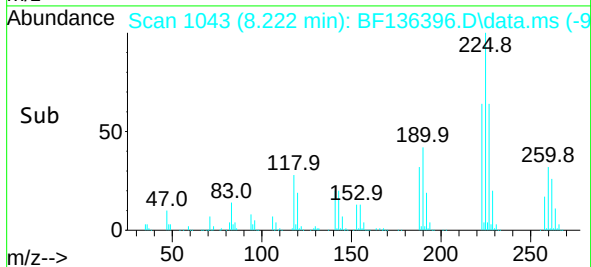
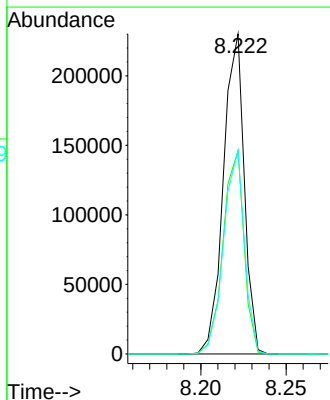
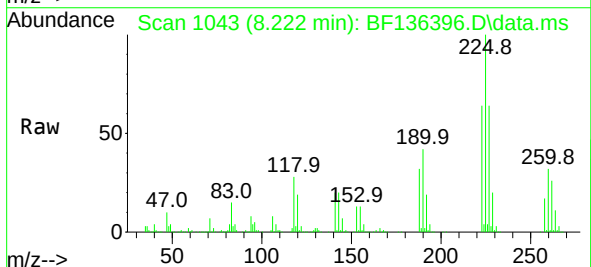
12/05/2023
Supervised By :mohammad
ahmed

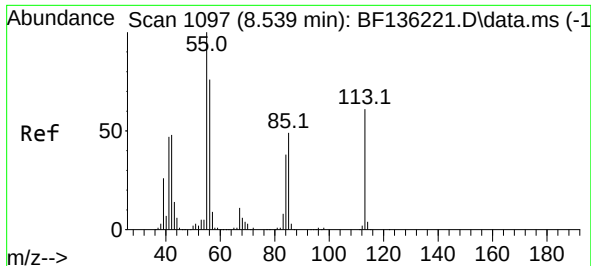
12/05/2023



#34
Hexachlorobutadiene
Concen: 40.165 ng
RT: 8.222 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

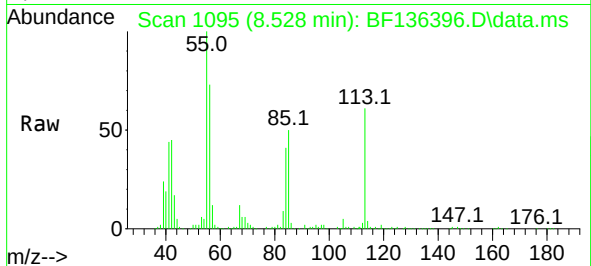
Tgt Ion:225 Resp: 195454
Ion Ratio Lower Upper
225 100
223 63.6 50.6 75.8
227 63.6 49.6 74.4





#35
Caprolactam
Concen: 48.805 ng m
RT: 8.528 min Scan# 1095
Delta R.T. -0.012 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Instrument :
BNA_F
ClientSampleId :
TR-04-112923MSD



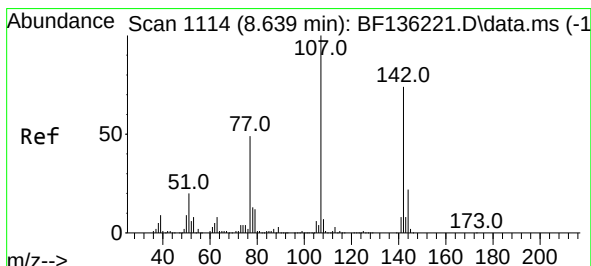
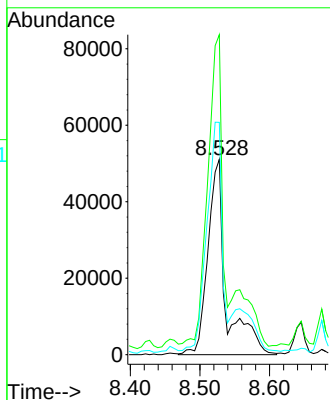
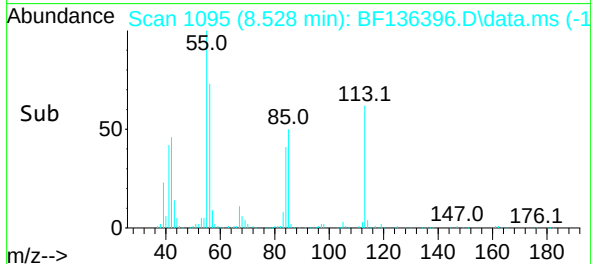
Tgt Ion:113 Resp: 92692
Ion Ratio Lower Upper
113 100
55 163.8 143.1 183.1
56 119.0 103.6 143.6

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Reviewed By :Yogesh
Patel

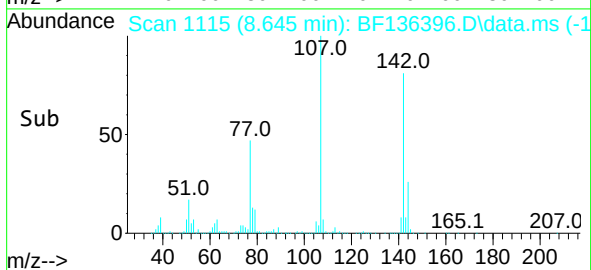
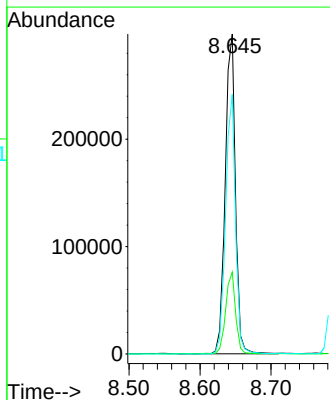
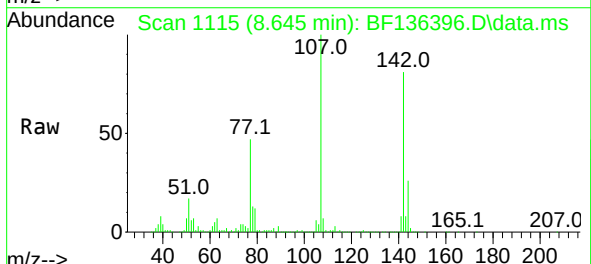
12/05/2023
Supervised By :mohammad
ahmed

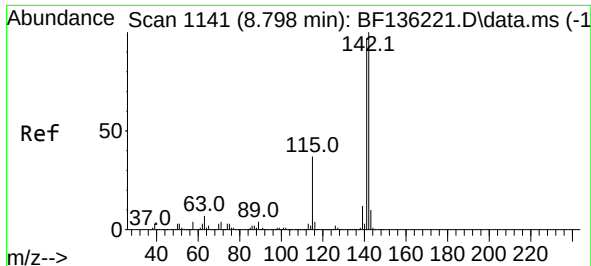
12/05/2023



#36
4-Chloro-3-methylphenol
Concen: 40.017 ng
RT: 8.645 min Scan# 1115
Delta R.T. 0.006 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Tgt Ion:107 Resp: 294864
Ion Ratio Lower Upper
107 100
144 25.6 17.8 26.8
142 81.1 59.4 89.0





#37
2-Methylnaphthalene
Concen: 40.074 ng
RT: 8.798 min Scan# 1141
Delta R.T. 0.006 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Instrument :
BNA_F
ClientSampleId :
TR-04-112923MSD

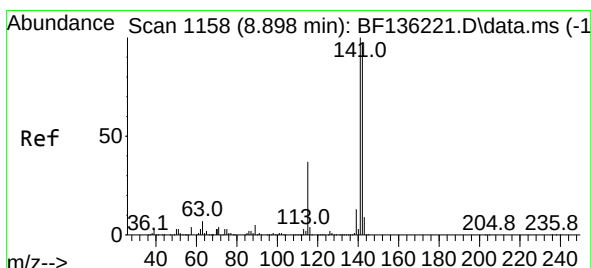
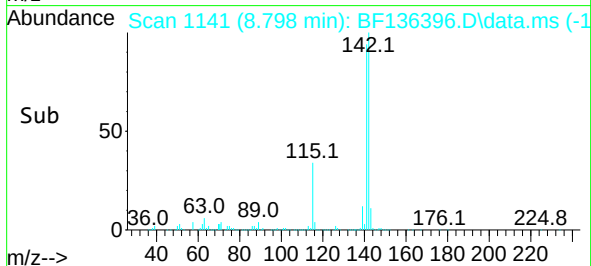
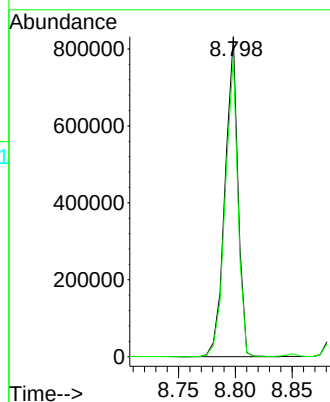
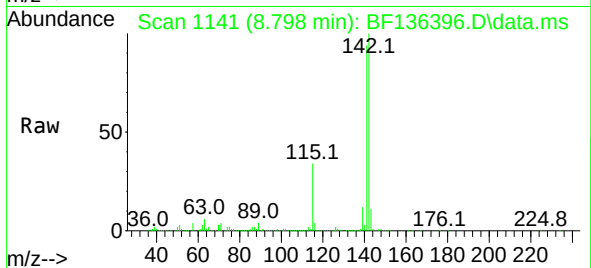
Tgt Ion:142 Resp: 66175
Ion Ratio Lower Upper
142 100
141 93.6 77.8 116.8

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Patel

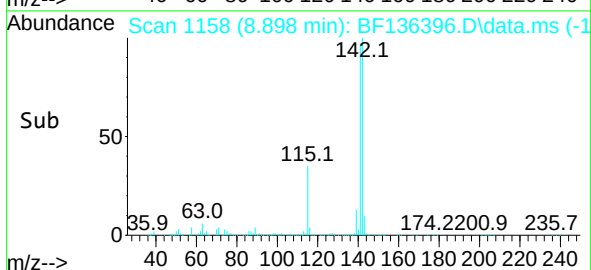
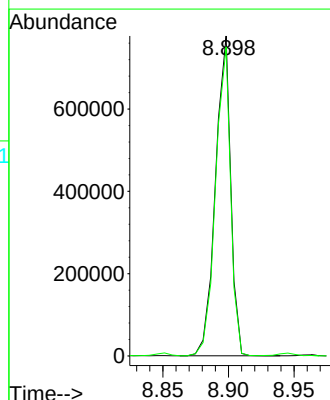
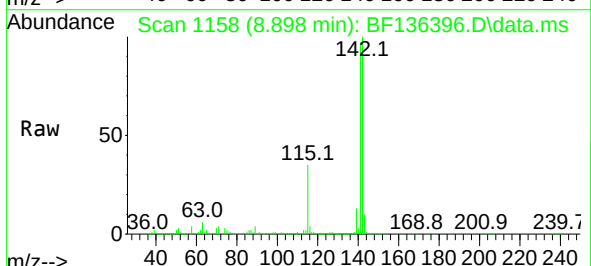
12/05/2023
Supervised By :mohammad
ahmed

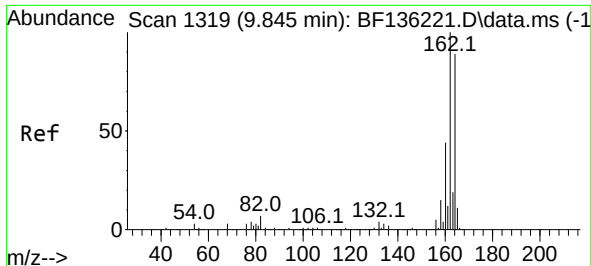
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#38
1-Methylnaphthalene
Concen: 39.022 ng
RT: 8.898 min Scan# 1158
Delta R.T. 0.006 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

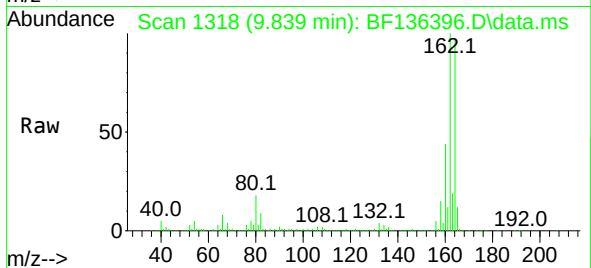
Tgt Ion:142 Resp: 628600
Ion Ratio Lower Upper
142 100
141 96.6 83.8 125.6





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.839 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Instrument :
BNA_F
ClientSampleId :
TR-04-112923MSD



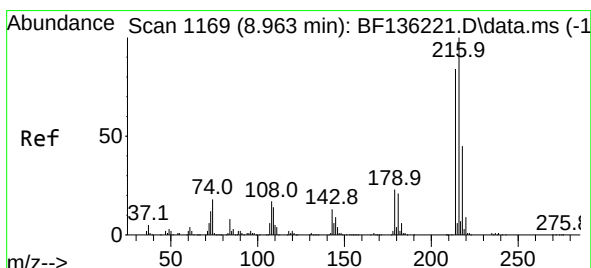
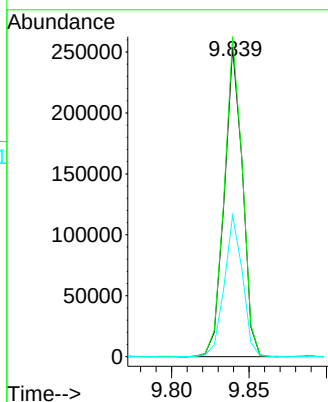
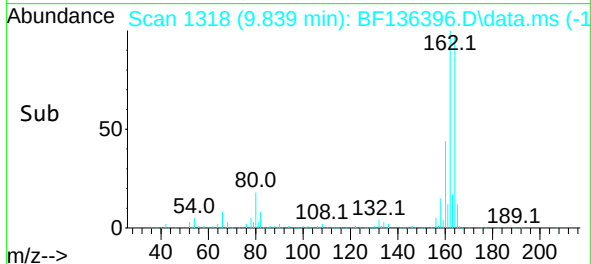
Tgt Ion:164 Resp: 20753
Ion Ratio Lower Upper
164 100
162 103.4 89.5 134.3
160 45.6 39.6 59.4

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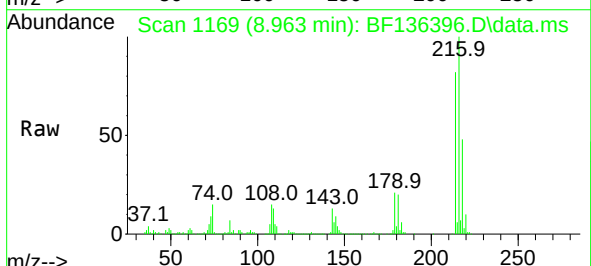
Reviewed By :Yogesh
Patel

12/05/2023
Supervised By :mohammad
ahmed

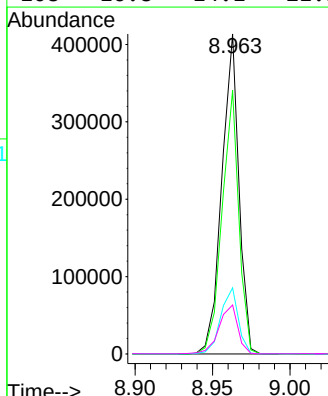
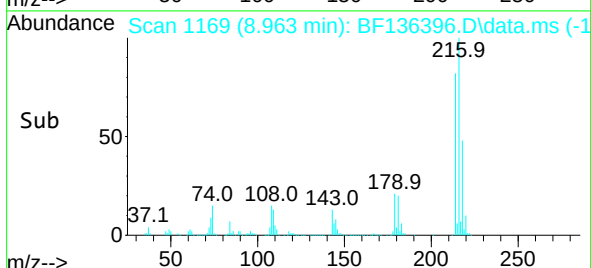
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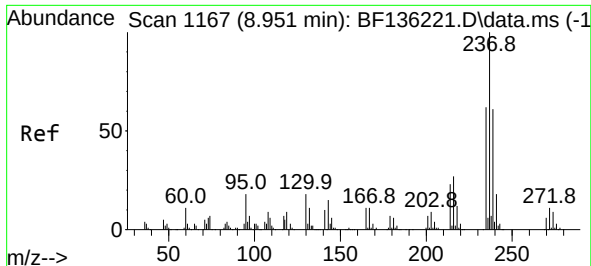


#40
1,2,4,5-Tetrachlorobenzene
Concen: 48.082 ng
RT: 8.963 min Scan# 1169
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44



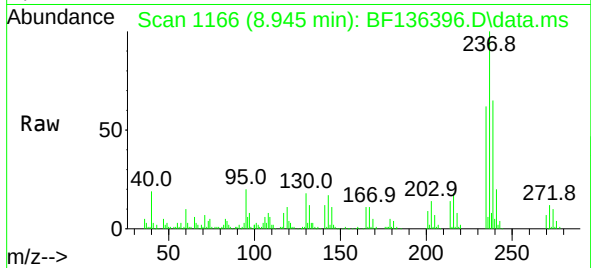
Tgt Ion:216 Resp: 317568
Ion Ratio Lower Upper
216 100
214 80.5 65.8 98.8
179 21.4 17.4 26.0
108 16.8 14.1 21.1





#41
Hexachlorocyclopentadiene
Concen: 19.222 ng
RT: 8.945 min Scan# 1166
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Instrument :
BNA_F
ClientSampleId :
TR-04-112923MSD



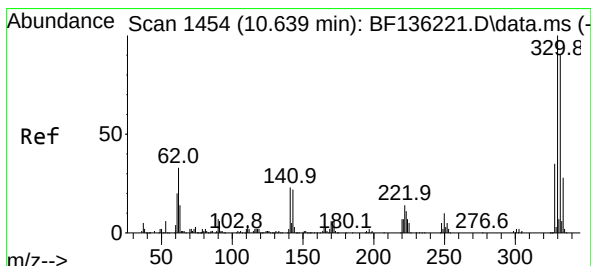
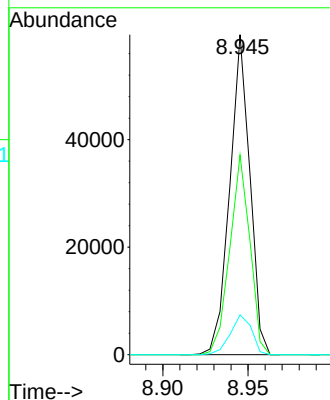
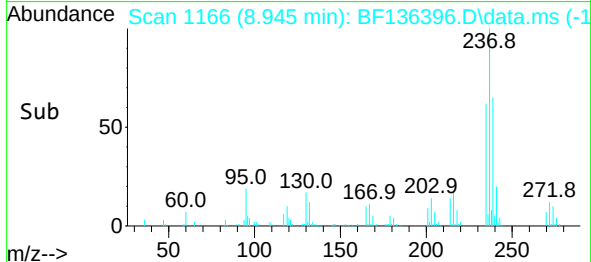
Tgt Ion:237 Resp: 48850
Ion Ratio Lower Upper
237 100
235 62.4 42.1 82.1
272 12.5 0.0 31.0

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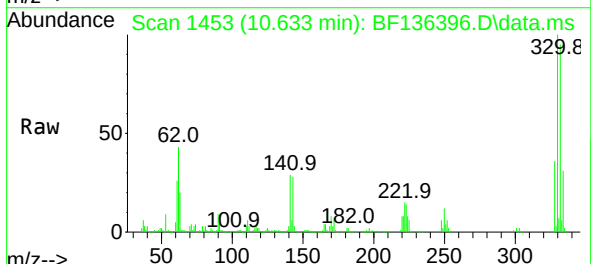
Reviewed By :Yogesh
Patel

12/05/2023
Supervised By :mohammad
ahmed

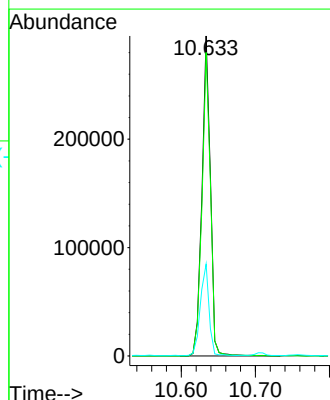
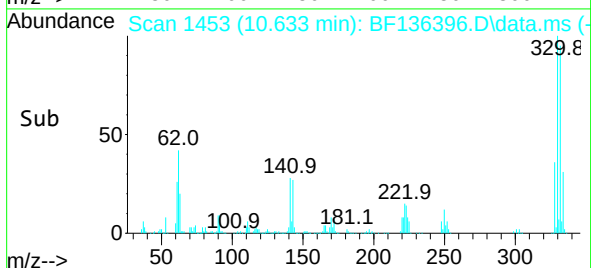
12/05/2023

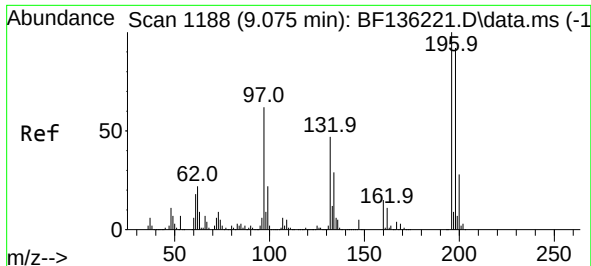


#42
2,4,6-Tribromophenol
Concen: 92.420 ng
RT: 10.633 min Scan# 1453
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44



Tgt Ion:330 Resp: 234493
Ion Ratio Lower Upper
330 100
332 94.9 73.0 109.6
141 29.4 24.2 36.2





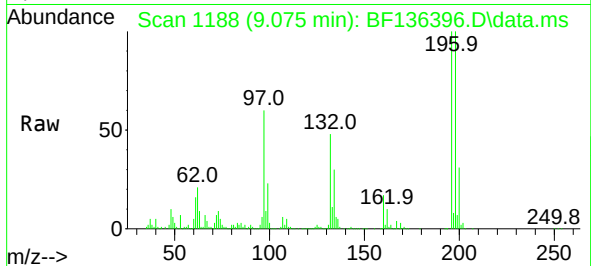
#43
2,4,6-Trichlorophenol
Concen: 45.222 ng
RT: 9.075 min Scan# 1188
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

TR-04-112923MSD



Tgt Ion:196 Resp: 19386
Ion Ratio Lower Upper
196 100
198 99.7 73.2 109.8
200 31.2 22.4 33.6

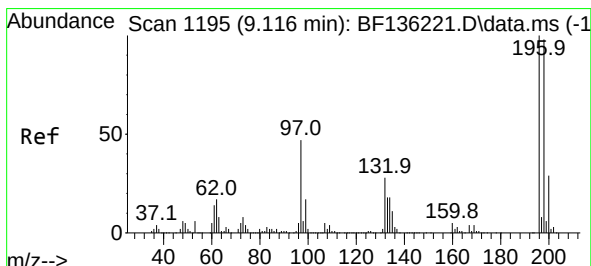
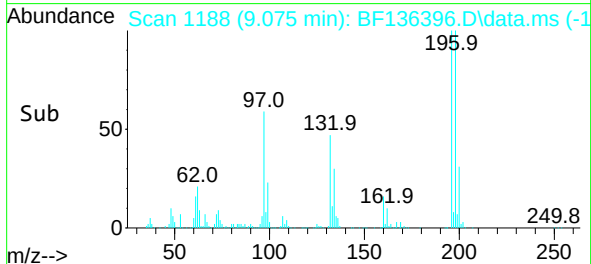
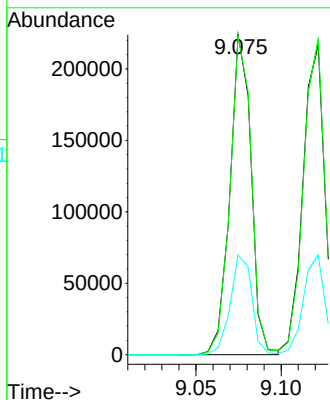
Manual Integrations
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Reviewed By :Yogesh
Patel

12/05/2023

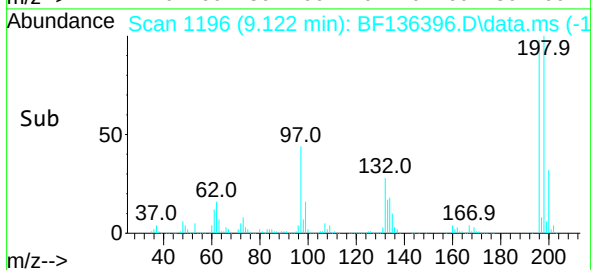
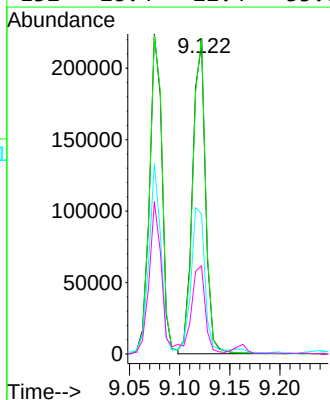
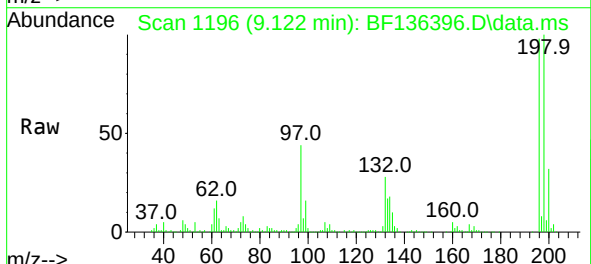
Supervised By :mohammad
ahmed

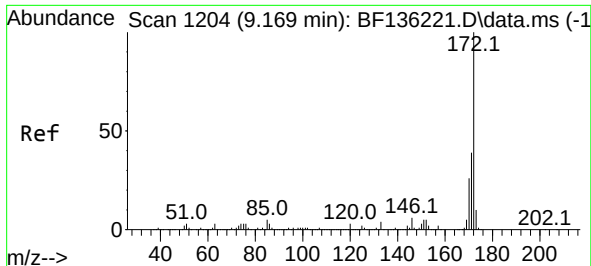
12/05/2023



#44
2,4,5-Trichlorophenol
Concen: 42.250 ng
RT: 9.122 min Scan# 1196
Delta R.T. 0.006 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Tgt Ion:196 Resp: 197656
Ion Ratio Lower Upper
196 100
198 101.6 78.8 118.2
97 45.2 37.8 56.8
132 28.4 22.4 33.6





#45

2-Fluorobiphenyl

Concen: 74.972 ng

RT: 9.163 min Scan# 1204

Delta R.T. 0.000 min

Lab File: BF136396.D

Acq: 04 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

TR-04-112923MSD

Tgt Ion:172 Resp: 121811

Ion Ratio Lower Upper

172 100

171 38.0 31.5 47.3

170 24.9 20.8 31.2

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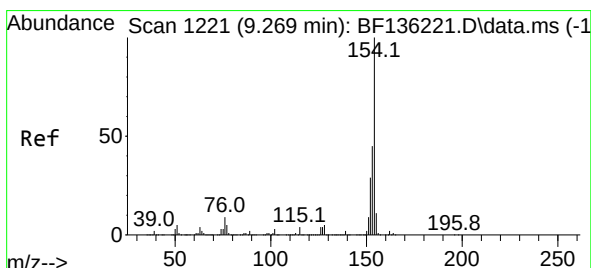
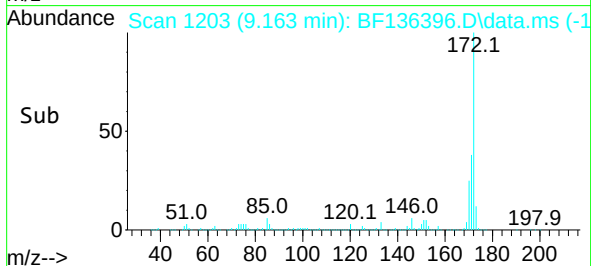
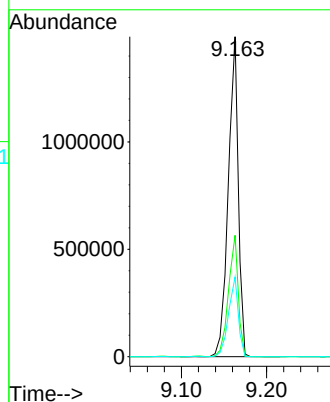
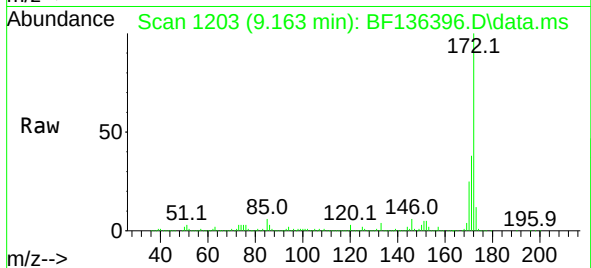
Reviewed By :Yogesh

Patel

12/05/2023

Supervised By :mohammad
ahmed

12/05/2023



#46

1,1'-Biphenyl

Concen: 46.231 ng

RT: 9.263 min Scan# 1220

Delta R.T. 0.000 min

Lab File: BF136396.D

Acq: 04 Dec 2023 22:44

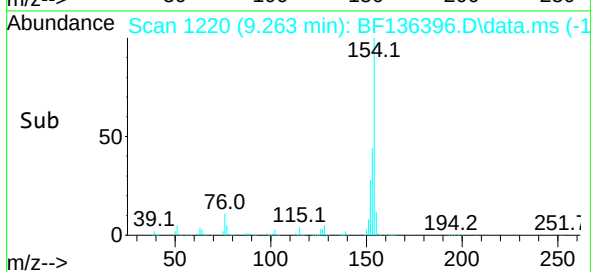
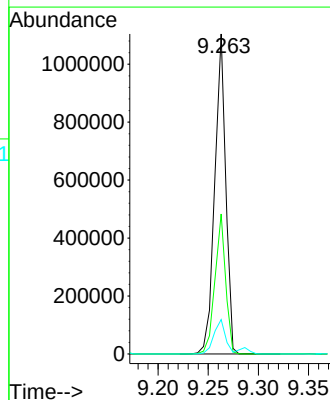
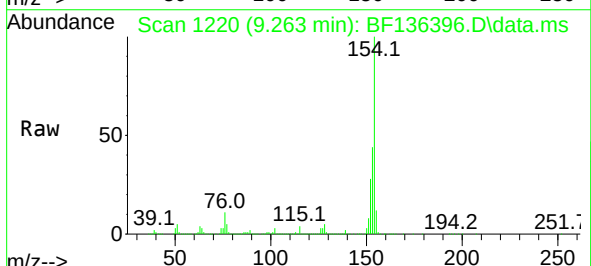
Tgt Ion:154 Resp: 846081

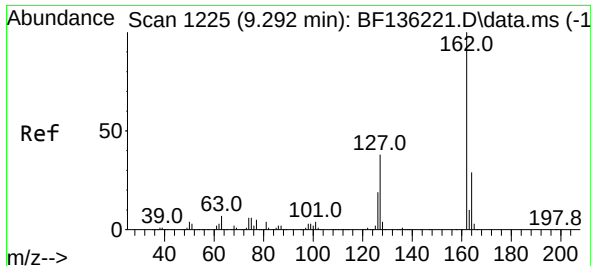
Ion Ratio Lower Upper

154 100

153 43.8 24.6 64.6

76 10.8 0.0 29.4





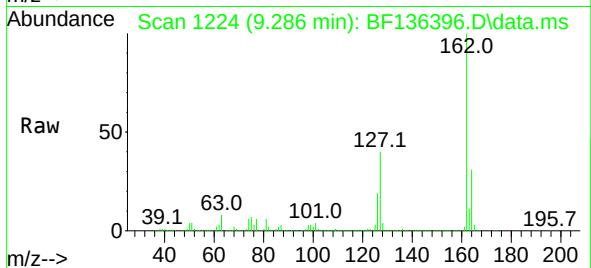
#47
2-Chloronaphthalene
Concen: 42.495 ng
RT: 9.286 min Scan# 1224
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

TR-04-112923MSD



Tgt Ion:162 Resp: 603950
Ion Ratio Lower Upper
162 100
127 39.6 30.2 45.2
164 31.1 22.8 34.2

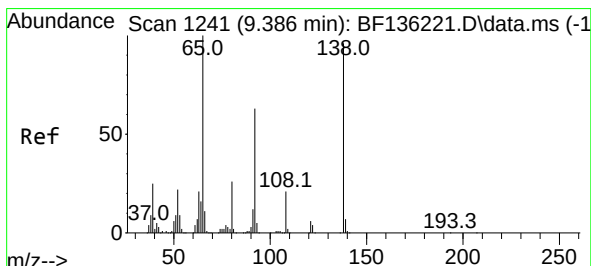
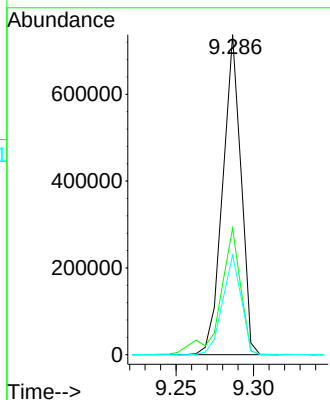
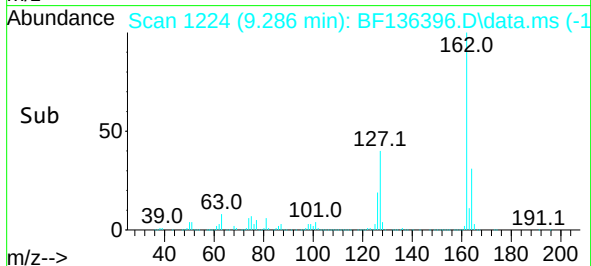
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Reviewed By :Yogesh
Patel

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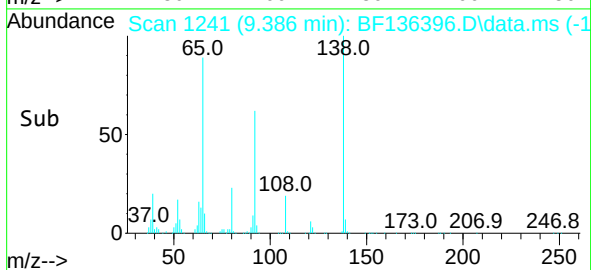
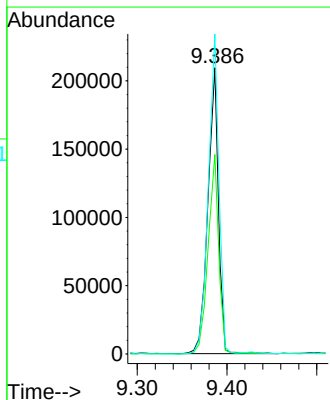
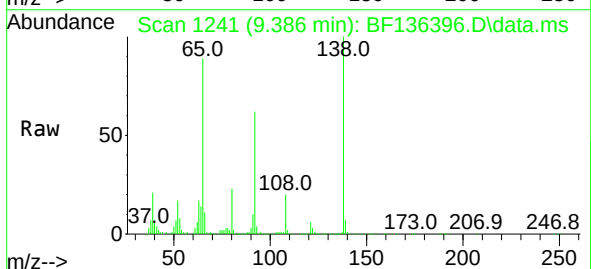
Supervised By :mohammad
ahmed

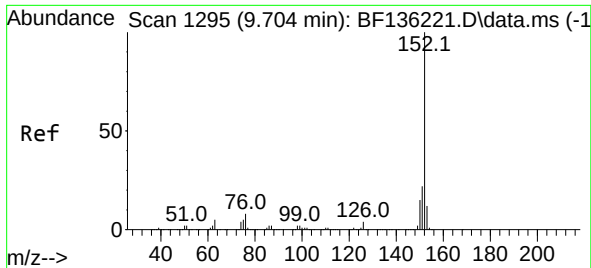
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#48
2-Nitroaniline
Concen: 46.253 ng
RT: 9.386 min Scan# 1241
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Tgt Ion: 65 Resp: 171629
Ion Ratio Lower Upper
65 100
92 69.7 50.6 75.8
138 111.8 76.7 115.1





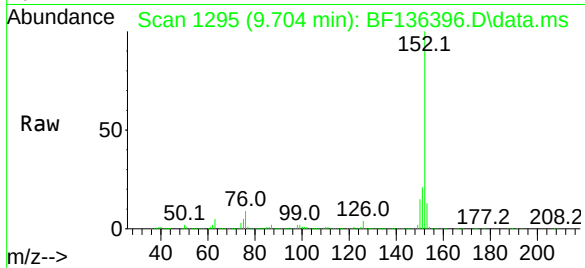
#49
Acenaphthylene
Concen: 44.659 ng
RT: 9.704 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

TR-04-112923MSD



Tgt Ion:152 Resp: 90578
Ion Ratio Lower Upper
152 100
151 21.1 17.5 26.3
153 12.9 9.6 14.4

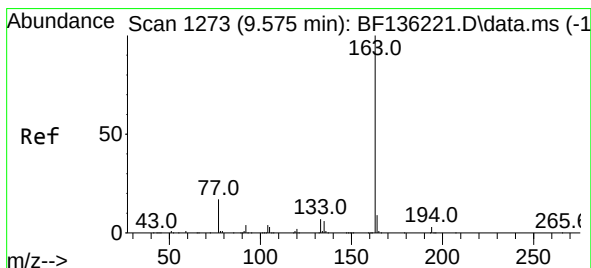
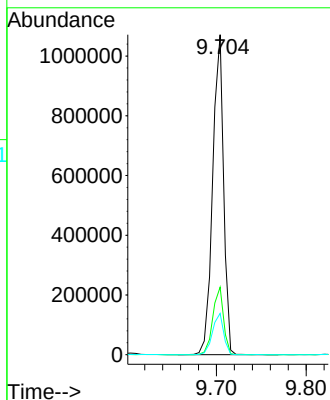
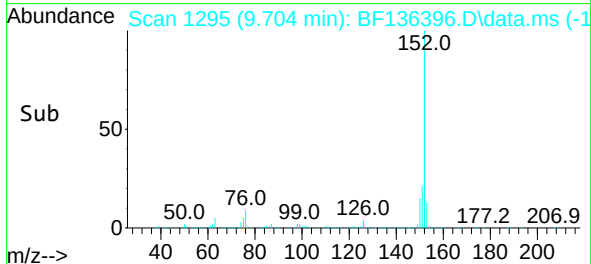
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Reviewed By :Yogesh
Patel

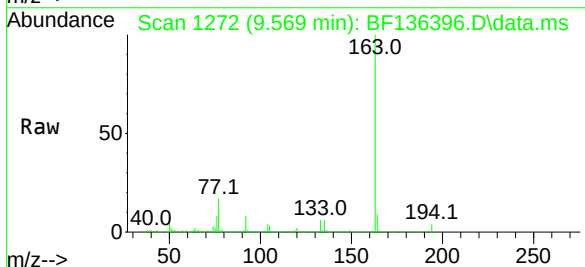
12/05/2023

Supervised By :mohammad
ahmed

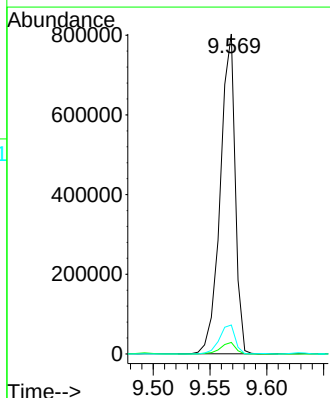
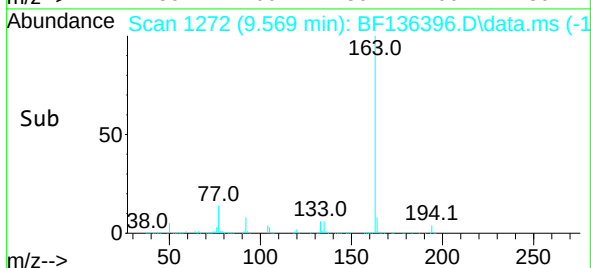
12/05/2023

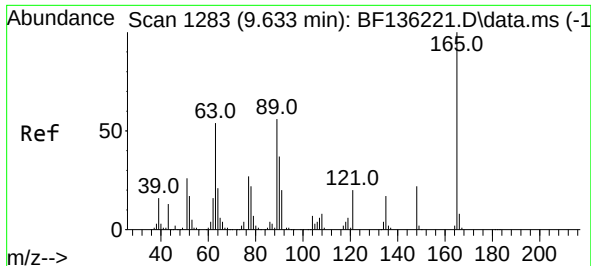


#50
Dimethylphthalate
Concen: 46.776 ng
RT: 9.569 min Scan# 1272
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44



Tgt Ion:163 Resp: 733719
Ion Ratio Lower Upper
163 100
194 3.6 2.5 3.7
164 9.1 7.0 10.6





#51

2,6-Dinitrotoluene

Concen: 43.842 ng

RT: 9.628 min Scan# 1282

Delta R.T. 0.000 min

Lab File: BF136396.D

Acq: 04 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

TR-04-112923MSD

Tgt Ion:	165	Resp:	140489
Ion Ratio	Lower	Upper	
165	100		
63	56.5	46.2	69.2
89	53.8	44.9	67.3

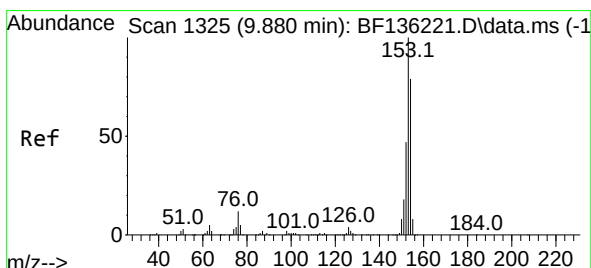
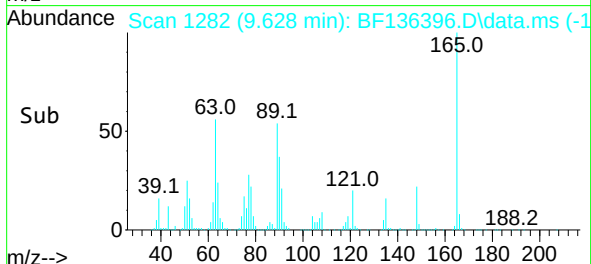
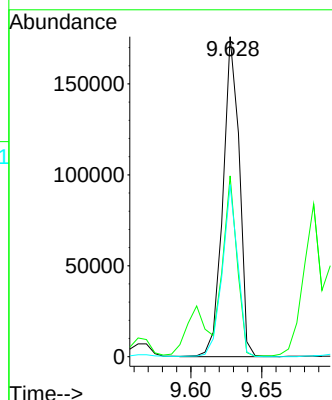
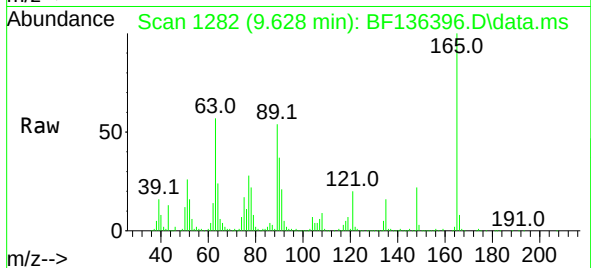
Manual Integrations
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Reviewed By :Yogesh
Patel

12/05/2023

Supervised By :mohammad
ahmed

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#52

Acenaphthene

Concen: 42.216 ng

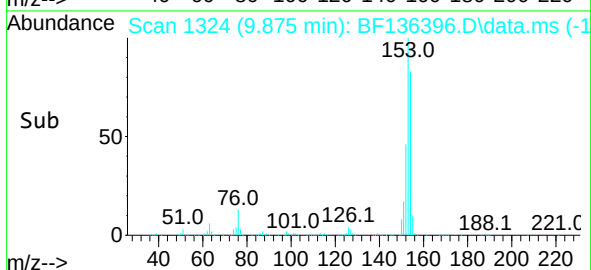
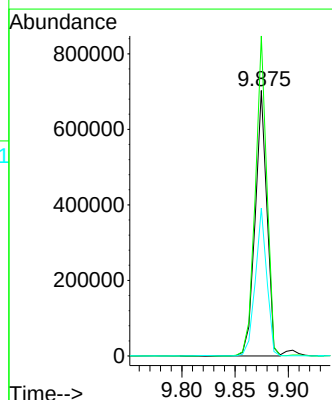
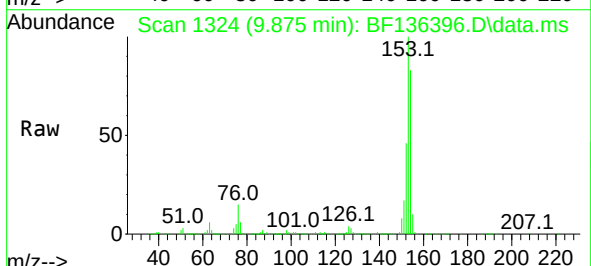
RT: 9.875 min Scan# 1324

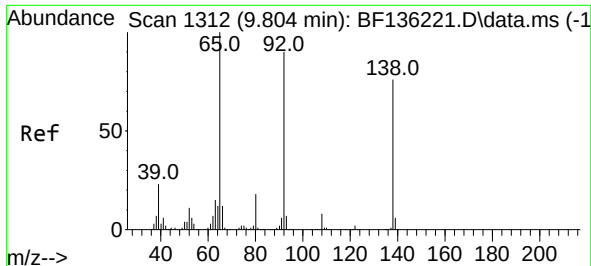
Delta R.T. 0.000 min

Lab File: BF136396.D

Acq: 04 Dec 2023 22:44

Tgt Ion:	154	Resp:	541087
Ion Ratio	Lower	Upper	
154	100		
153	120.6	100.8	151.2
152	55.7	47.0	70.6





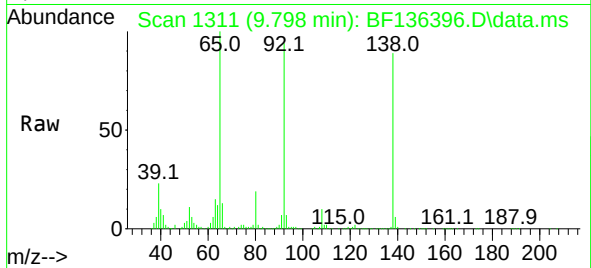
#53
3-Nitroaniline
Concen: 35.199 ng
RT: 9.798 min Scan# 1311
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

TR-04-112923MSD



Tgt Ion:138 Resp: 11191
Ion Ratio Lower Upper
138 100
108 10.7 8.7 13.1
92 105.1 94.2 141.4

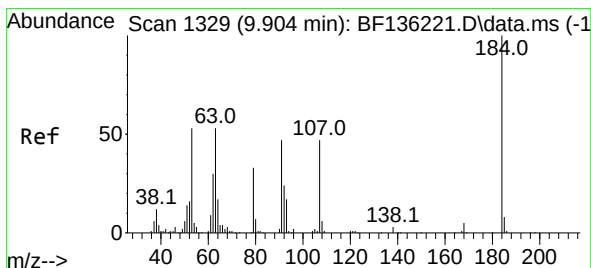
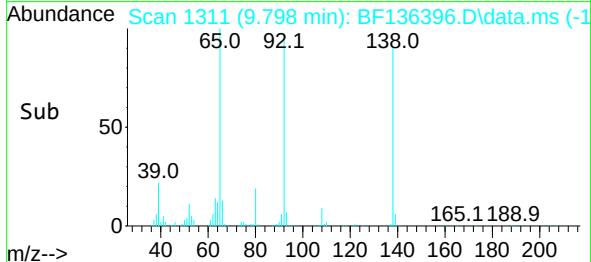
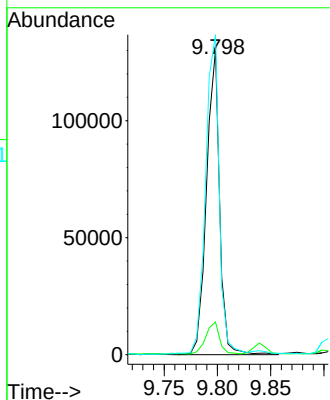
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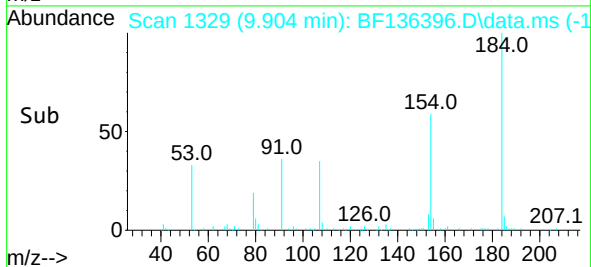
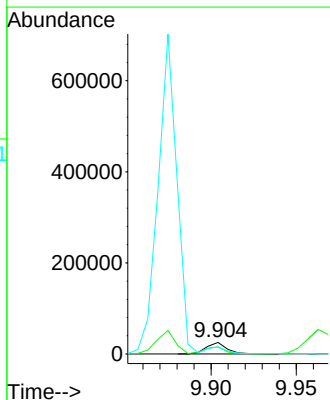
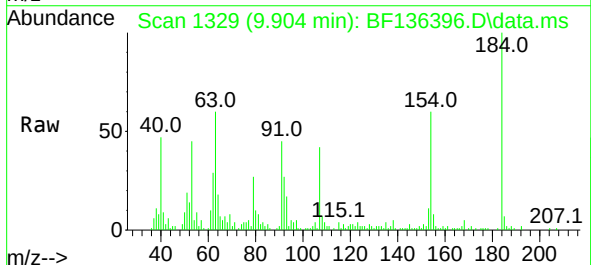
Supervised By :mohammad
ahmed

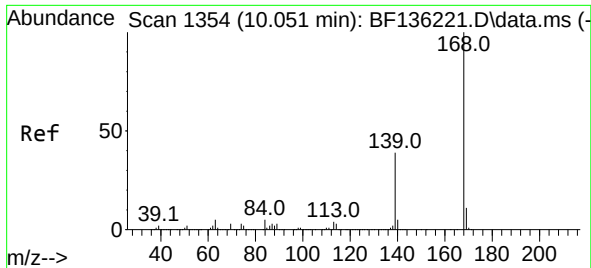
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#54
2,4-Dinitrophenol
Concen: 14.206 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

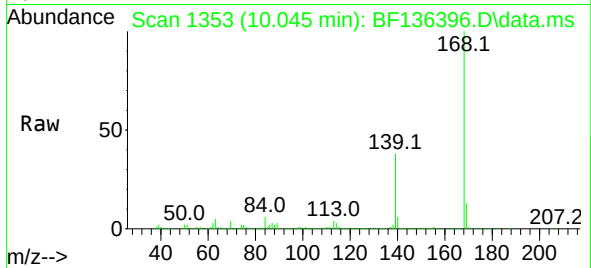
Tgt Ion:184 Resp: 21172
Ion Ratio Lower Upper
184 100
63 60.2 55.0 82.4
154 60.3 54.9 82.3





#55
Dibenzofuran
Concen: 41.935 ng
RT: 10.045 min Scan# 1353
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Instrument :
BNA_F
ClientSampleId :
TR-04-112923MSD



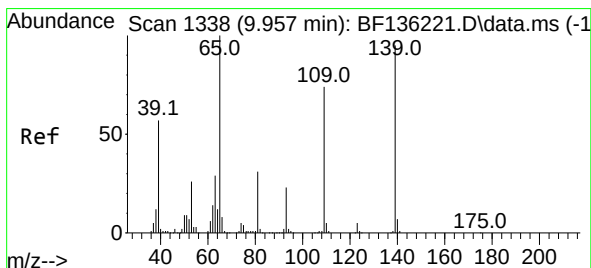
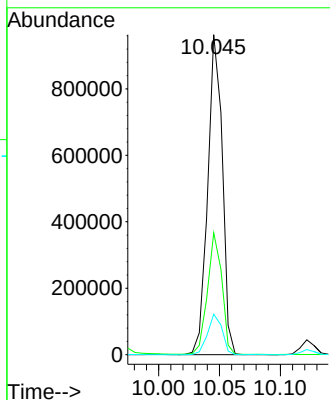
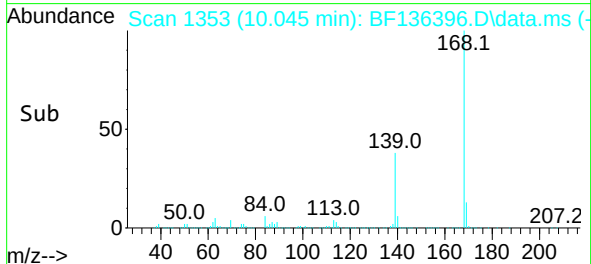
Tgt Ion:168 Resp: 799804
Ion Ratio Lower Upper
168 100
139 38.1 30.9 46.3
169 12.7 9.1 13.7

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Patel

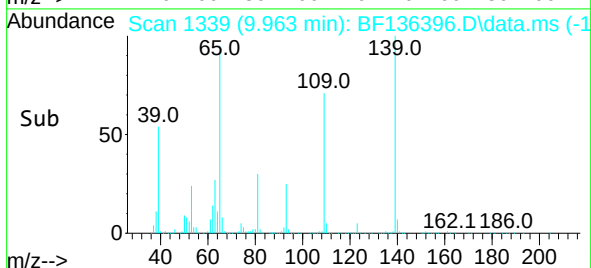
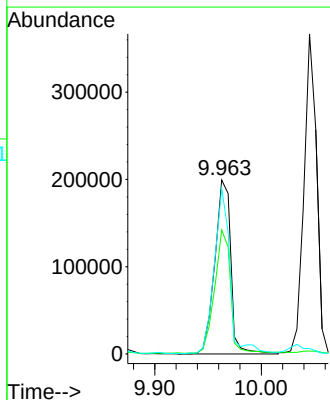
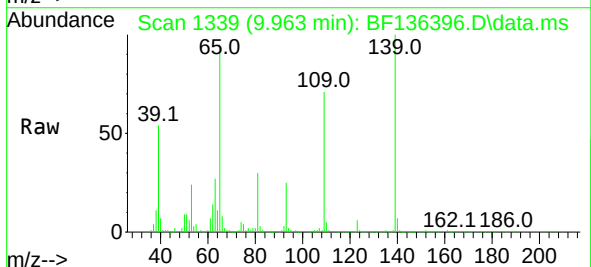
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Supervised By :mohammad
ahmed

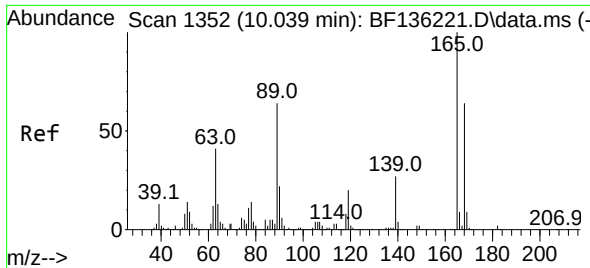
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#56
4-Nitrophenol
Concen: 86.029 ng
RT: 9.963 min Scan# 1339
Delta R.T. 0.006 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Tgt Ion:139 Resp: 207750
Ion Ratio Lower Upper
139 100
109 71.3 57.8 97.8
65 95.2 86.0 126.0





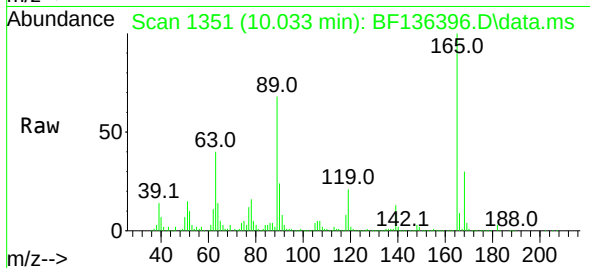
#57
2,4-Dinitrotoluene
Concen: 38.817 ng
RT: 10.033 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

TR-04-112923MSD



Tgt Ion:165 Resp: 166152
Ion Ratio Lower Upper
165 100
63 40.1 33.0 49.4
89 68.0 51.5 77.3
182 3.0 1.9 2.9#

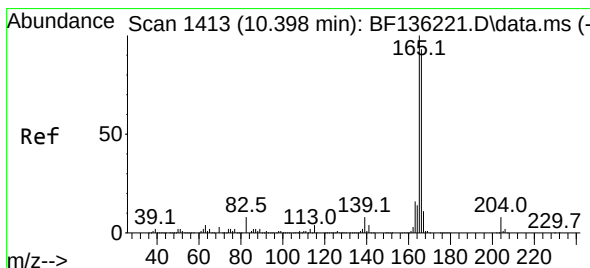
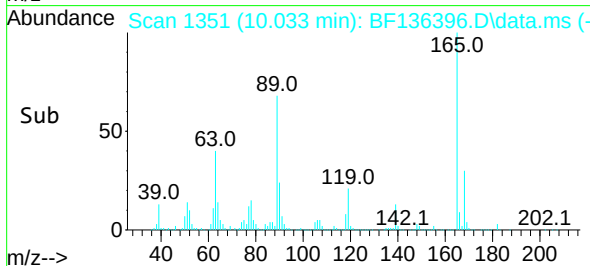
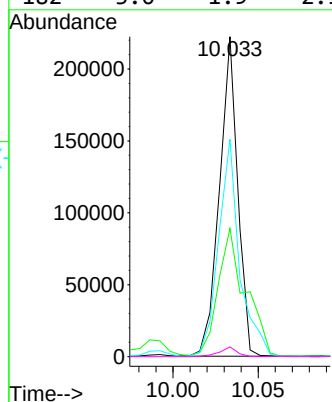
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Patel

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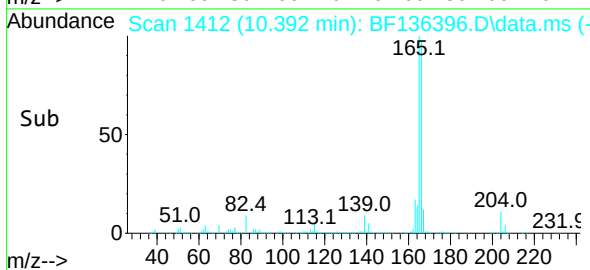
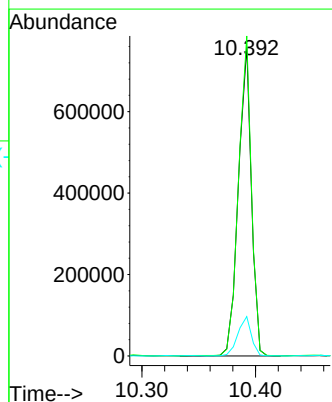
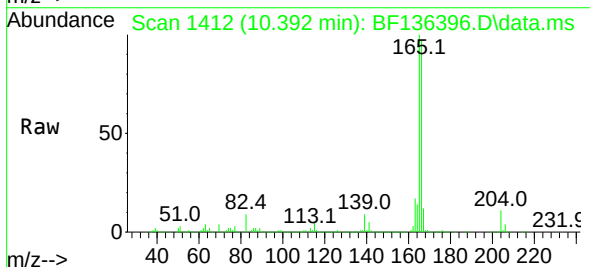
Supervised By :mohammad
ahmed

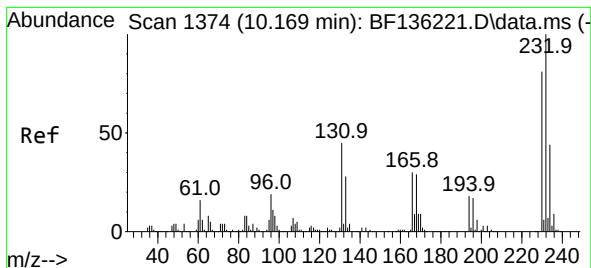
12/05/2023



#58
Fluorene
Concen: 40.353 ng
RT: 10.392 min Scan# 1412
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

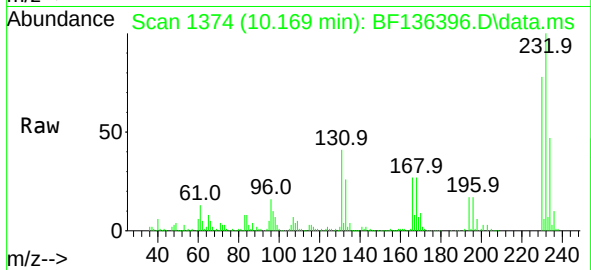
Tgt Ion:166 Resp: 603686
Ion Ratio Lower Upper
166 100
165 103.5 86.2 129.4
167 12.7 9.1 13.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 41.476 ng
RT: 10.169 min Scan# 1374
Delta R.T. 0.006 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Instrument :
BNA_F
ClientSampleId :
TR-04-112923MSD



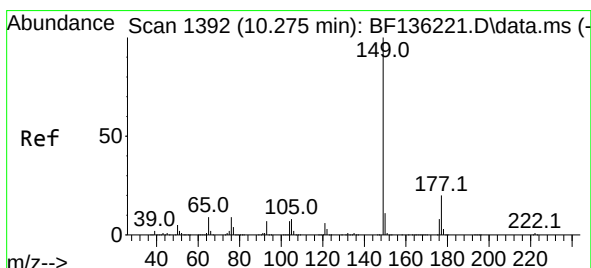
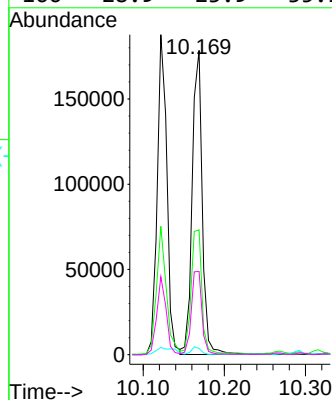
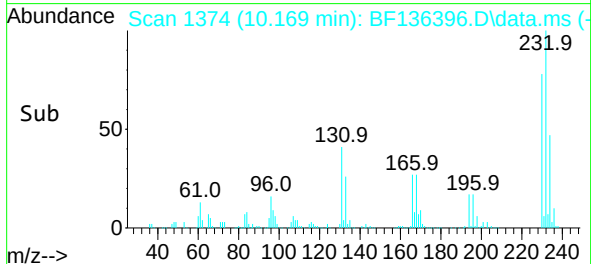
Tgt Ion:232 Resp: 154380
Ion Ratio Lower Upper
232 100
131 43.5 36.4 54.6
130 2.5 1.9 2.9
166 28.9 23.9 35.9

Manual Integrations
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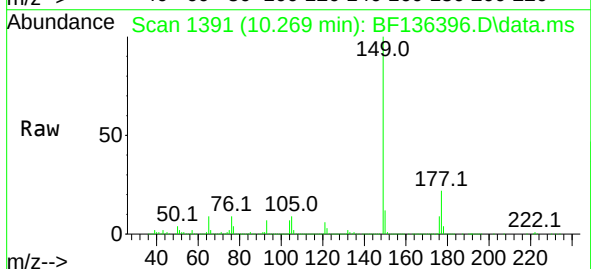
Reviewed By :Yogesh
Patel

12/05/2023
Supervised By :mohammad
ahmed

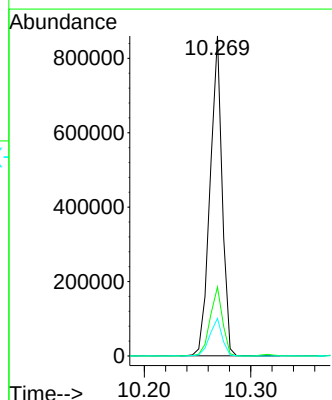
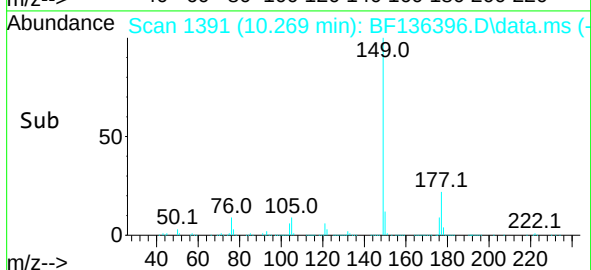
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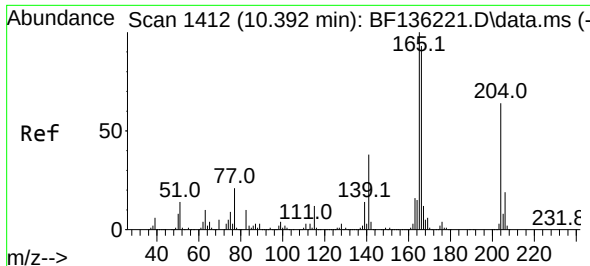


#60
Diethylphthalate
Concen: 43.042 ng
RT: 10.269 min Scan# 1391
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44



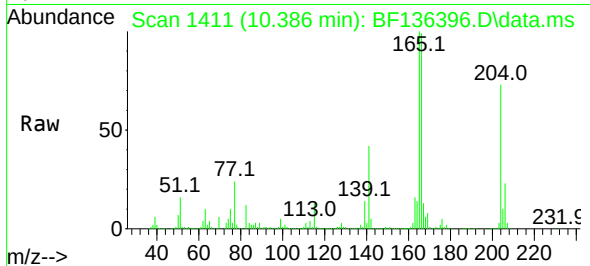
Tgt Ion:149 Resp: 675355
Ion Ratio Lower Upper
149 100
177 21.5 15.8 23.6
150 11.8 8.8 13.2





#61
4-Chlorophenyl-phenylether
Concen: 41.241 ng
RT: 10.386 min Scan# 1411
Delta R.T. 0.006 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Instrument :
BNA_F
ClientSampleId :
TR-04-112923MSD



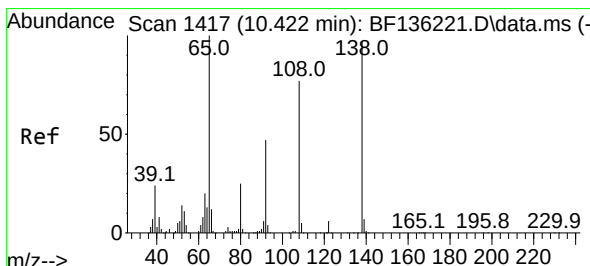
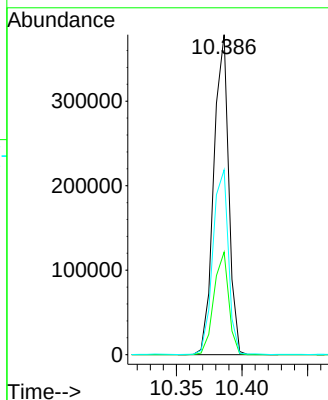
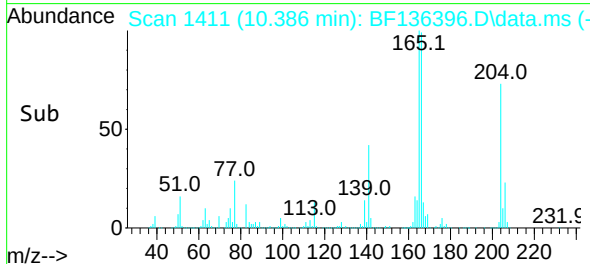
Tgt Ion:204 Resp: 299624
Ion Ratio Lower Upper
204 100
206 32.0 23.4 35.0
141 57.8 47.6 71.4

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Reviewed By :Yogesh
Patel

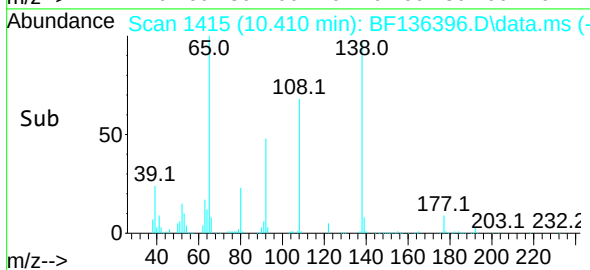
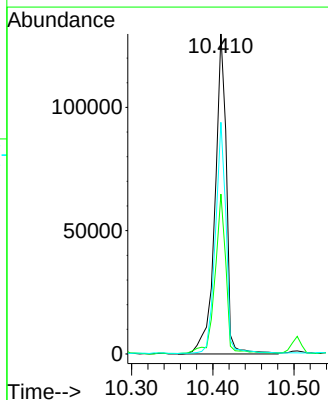
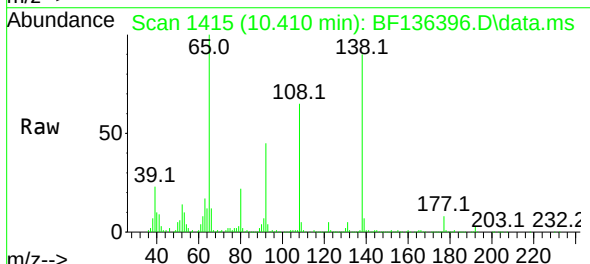
12/05/2023
Supervised By :mohammad
ahmed

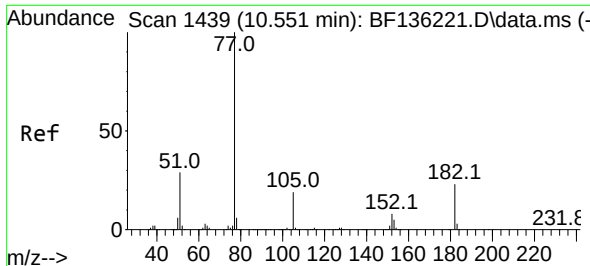
12/05/2023



#62
4-Nitroaniline
Concen: 40.908 ng
RT: 10.410 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

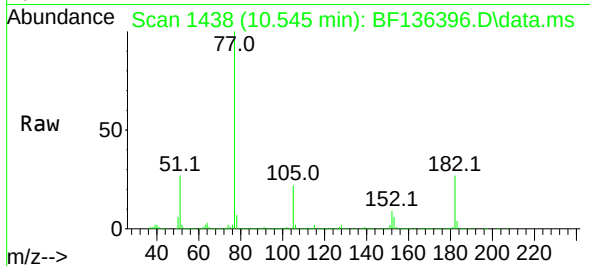
Tgt Ion:138 Resp: 127318
Ion Ratio Lower Upper
138 100
92 49.9 28.5 68.5
108 72.4 59.8 99.8





#63
Azobenzene
Concen: 38.328 ng
RT: 10.545 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Instrument :
BNA_F
ClientSampleId :
TR-04-112923MSD



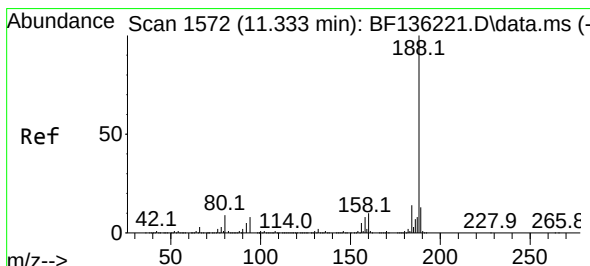
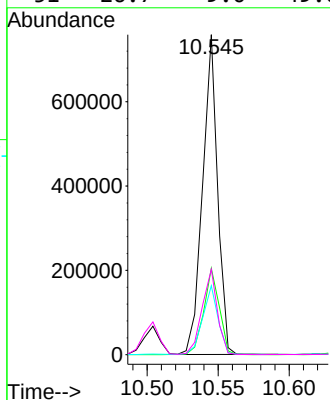
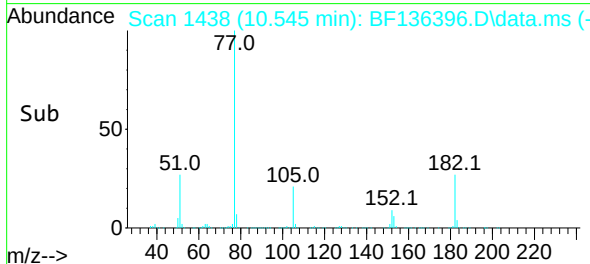
Tgt Ion: 77 Resp: 55753
Ion Ratio Lower Upper
77 100
182 27.0 3.3 43.3
105 21.5 0.0 39.5
51 26.7 9.0 49.0

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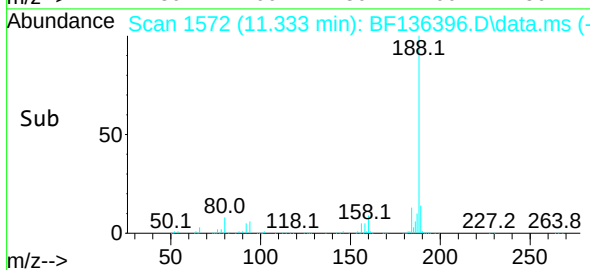
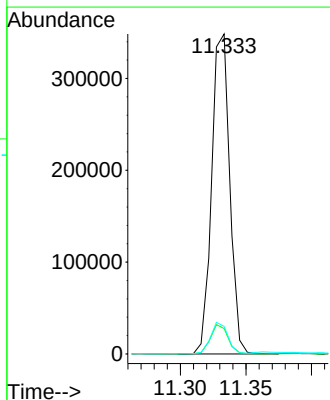
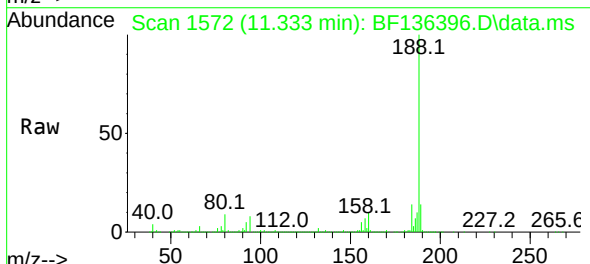
12/05/2023
Supervised By :mohammad
ahmed

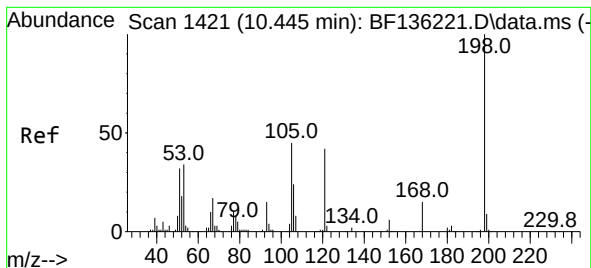
12/05/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1572
Delta R.T. 0.006 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Tgt Ion:188 Resp: 333750
Ion Ratio Lower Upper
188 100
94 7.9 6.7 10.1
80 8.6 7.2 10.8





#65
4,6-Dinitro-2-methylphenol
Concen: 9.273 ng
RT: 10.439 min Scan# 1420
Delta R.T. -0.006 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Instrument :
BNA_F
ClientSampleId :
TR-04-112923MSD

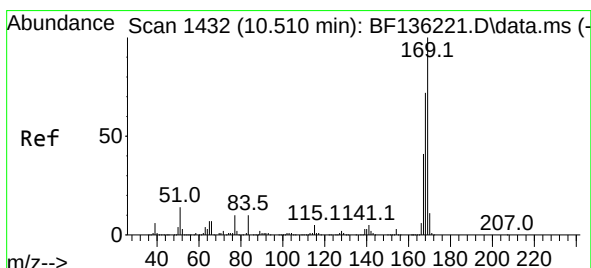
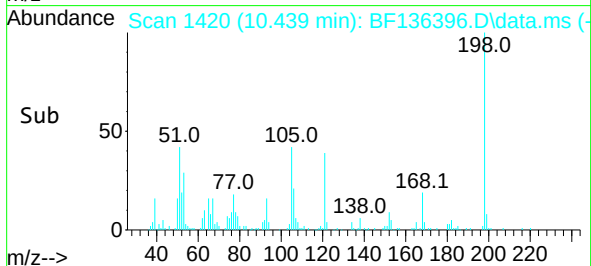
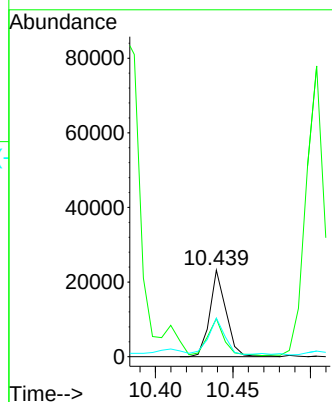
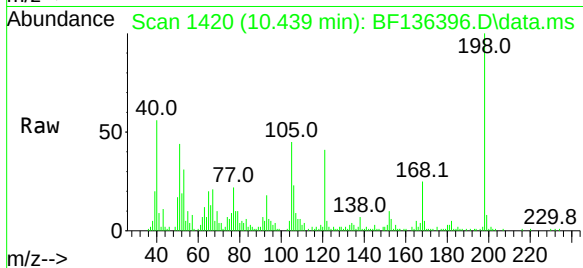
Tgt Ion:198 Resp: 1692
Ion Ratio Lower Upper
198 100
51 44.0 28.2 68.2
105 44.5 25.7 65.7

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Reviewed By :Yogesh
Patel

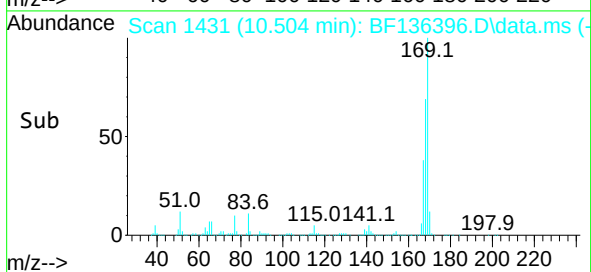
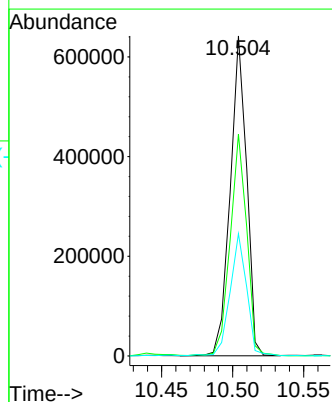
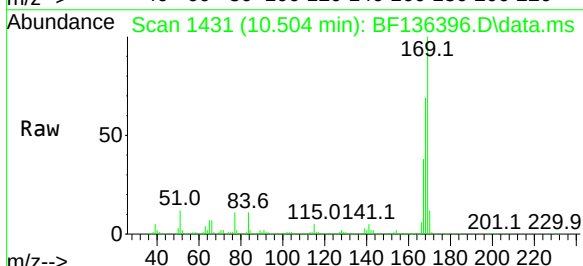
12/05/2023
Supervised By :mohammad
ahmed

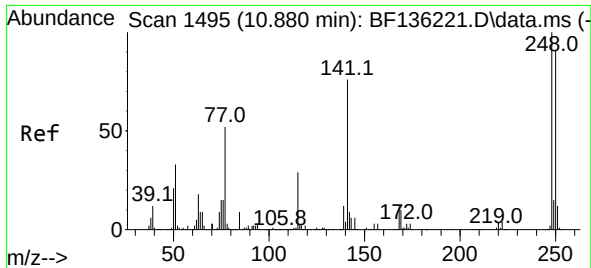
12/05/2023



#66
n-Nitrosodiphenylamine
Concen: 48.163 ng
RT: 10.504 min Scan# 1431
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Tgt Ion:169 Resp: 515125
Ion Ratio Lower Upper
169 100
168 69.3 57.8 86.6
167 38.2 32.7 49.1





#67
4-Bromophenyl-phenylether
Concen: 45.602 ng
RT: 10.875 min Scan# 1495
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

TR-04-112923MSD

Tgt Ion:248 Resp: 17756
Ion Ratio Lower Upper
248 100
250 95.1 72.5 108.7
141 75.1 60.8 91.2

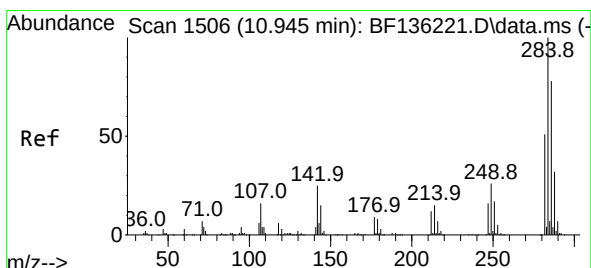
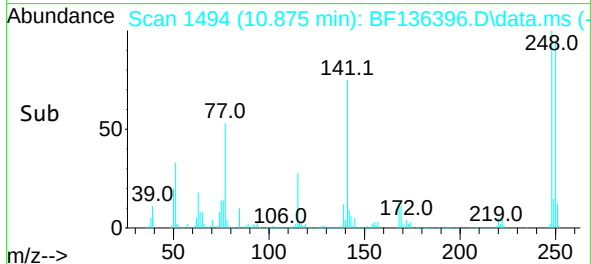
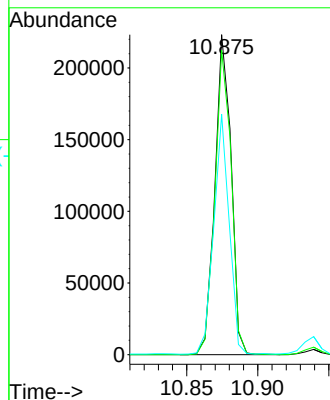
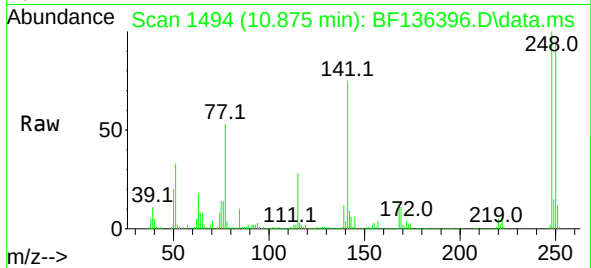
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Patel

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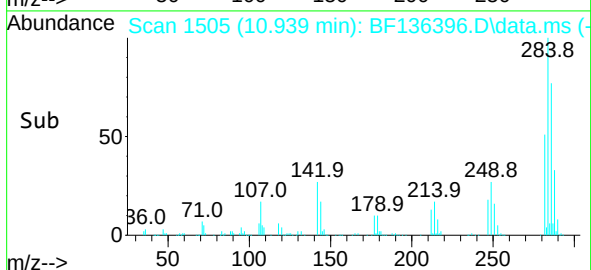
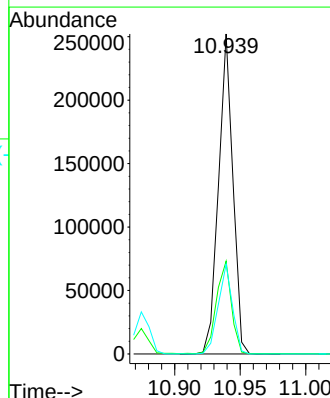
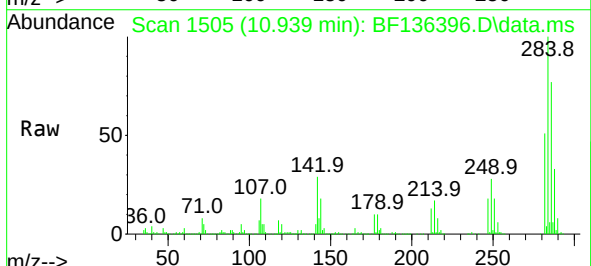
Supervised By :mohammad
ahmed

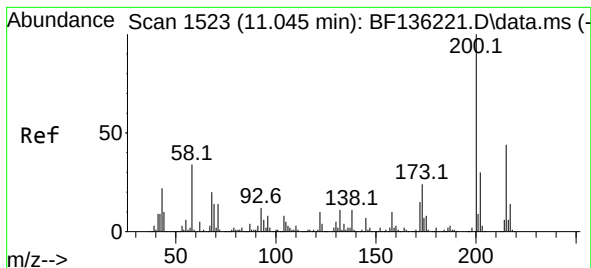
12/05/2023



#68
Hexachlorobenzene
Concen: 42.496 ng
RT: 10.939 min Scan# 1505
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Tgt Ion:284 Resp: 191509
Ion Ratio Lower Upper
284 100
142 29.0 19.8 29.8
249 28.0 21.0 31.4





#69

Atrazine

Concen: 52.361 ng

RT: 11.039 min Scan# 1522

Delta R.T. 0.006 min

Lab File: BF136396.D

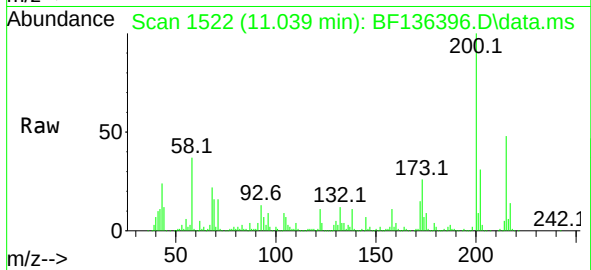
Acq: 04 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

TR-04-112923MSD



Tgt Ion:200 Resp: 166128

Ion Ratio Lower Upper

200 100

173 25.9 4.3 44.3

215 47.6 23.8 63.8

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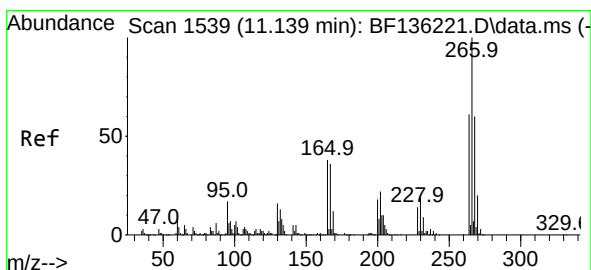
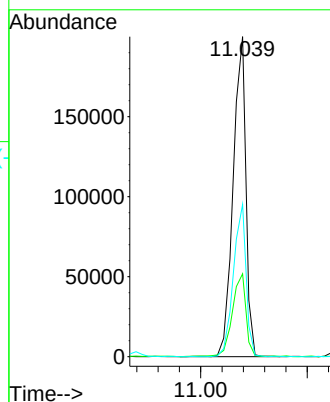
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Reviewed By :Yogesh
Patel

12/05/2023

Supervised By :mohammad
ahmed

12/05/2023



#70

Pentachlorophenol

Concen: 82.323 ng

RT: 11.139 min Scan# 1539

Delta R.T. 0.006 min

Lab File: BF136396.D

Acq: 04 Dec 2023 22:44

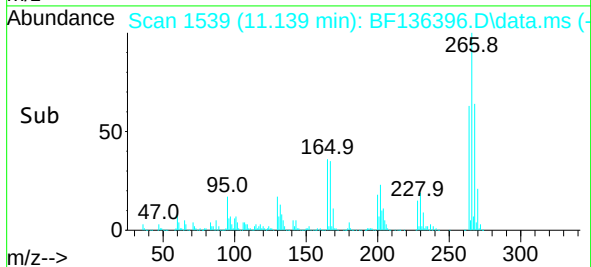
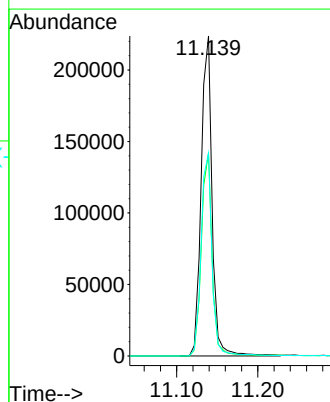
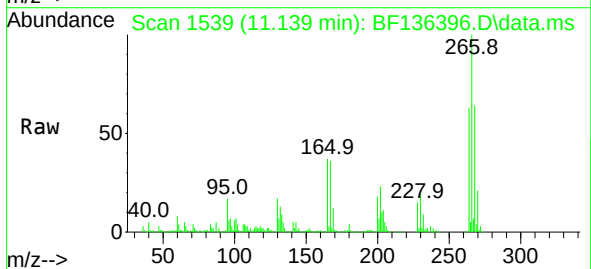
Tgt Ion:266 Resp: 209703

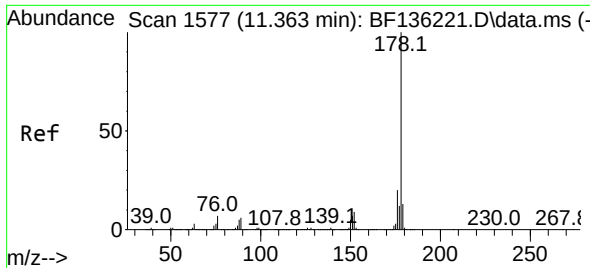
Ion Ratio Lower Upper

266 100

268 63.6 47.9 71.9

264 63.4 49.1 73.7





#71
Phenanthrene
Concen: 53.769 ng
RT: 11.357 min Scan# 1576
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Instrument :
BNA_F
ClientSampleId :
TR-04-112923MSD

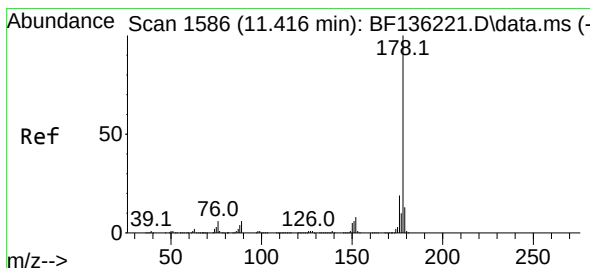
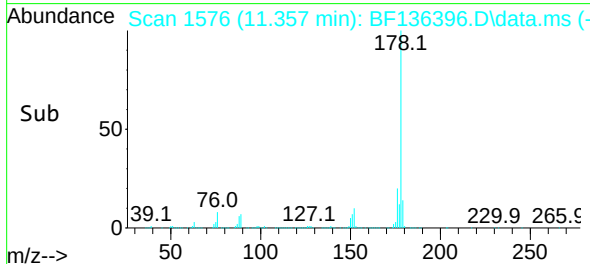
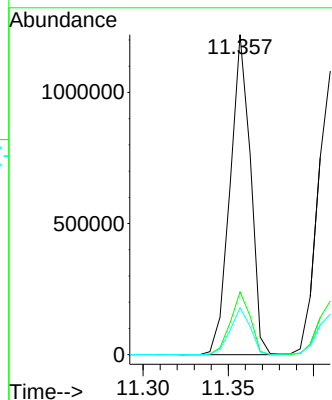
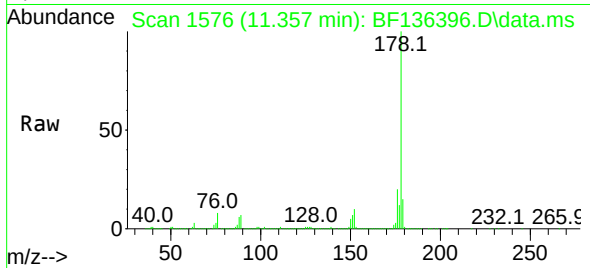
Tgt Ion:178 Resp: 1008619
Ion Ratio Lower Upper
178 100
176 19.6 16.2 24.2
179 14.6 10.3 15.5

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Patel

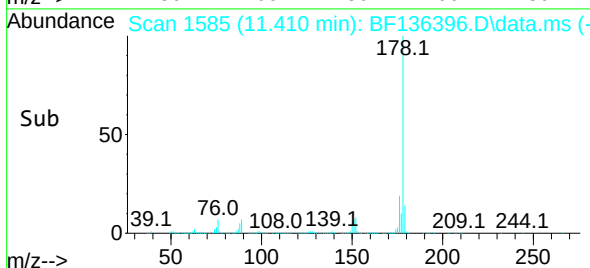
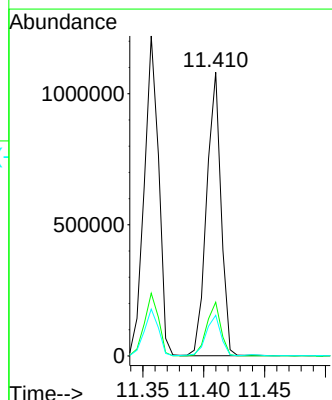
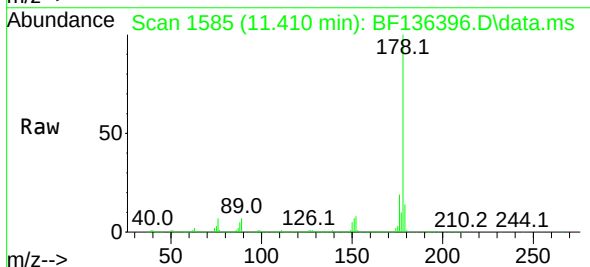
12/05/2023
Supervised By :mohammad
ahmed

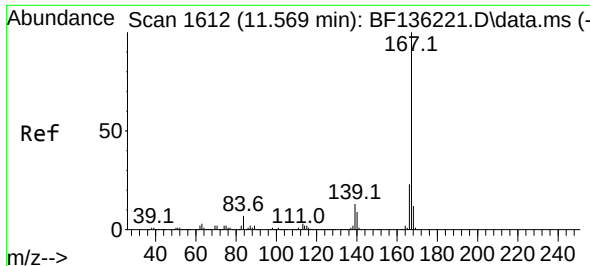
12/05/2023



#72
Anthracene
Concen: 47.114 ng
RT: 11.410 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

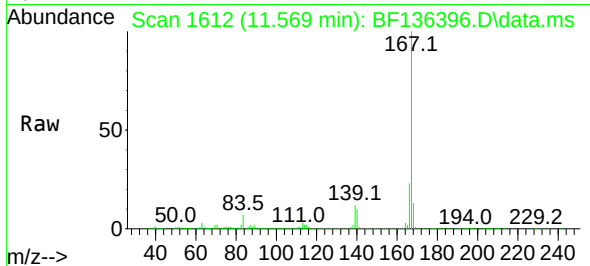
Tgt Ion:178 Resp: 886264
Ion Ratio Lower Upper
178 100
176 19.0 15.5 23.3
179 14.4 10.5 15.7





#73
 Carbazole
 Concen: 45.575 ng
 RT: 11.569 min Scan# 1612
 Delta R.T. 0.006 min
 Lab File: BF136396.D
 Acq: 04 Dec 2023 22:44

Instrument :
 BNA_F
 ClientSampleId :
 TR-04-112923MSD



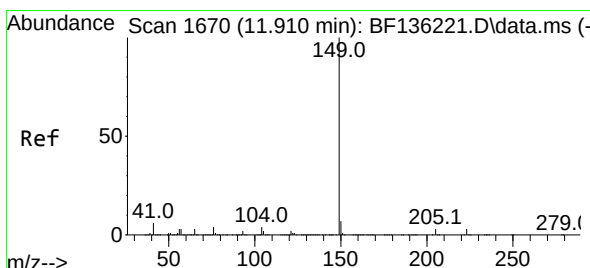
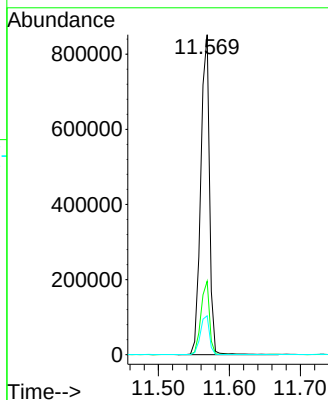
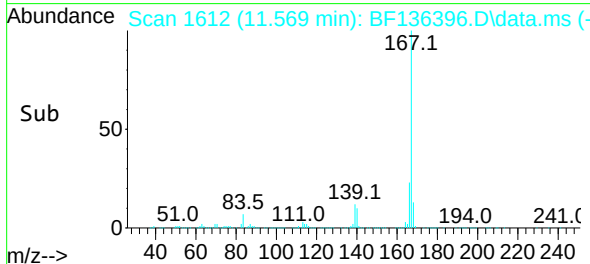
Tgt Ion:167 Resp: 729164
 Ion Ratio Lower Upper
 167 100
 166 23.0 18.4 27.6
 139 12.2 10.5 15.7

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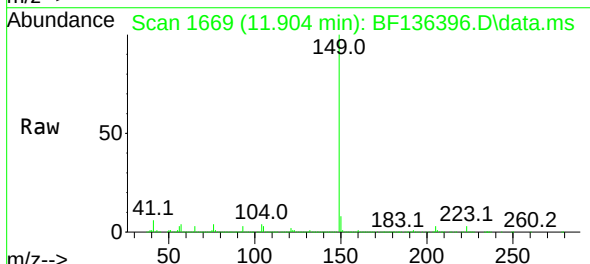
Reviewed By :Yogesh
 Patel

12/05/2023
 Supervised By :mohammad
 ahmed

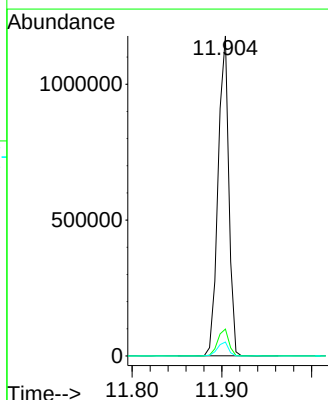
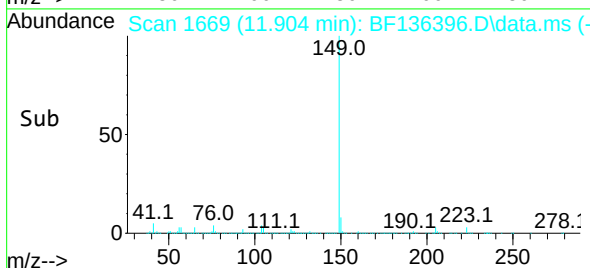
12/05/2023

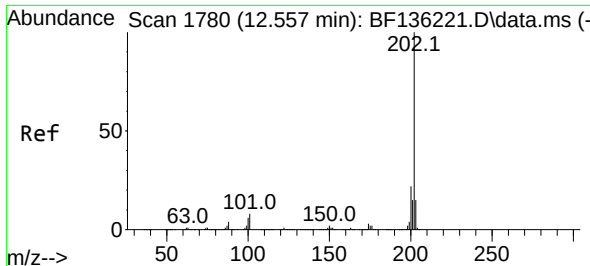


#74
 Di-n-butylphthalate
 Concen: 48.656 ng
 RT: 11.904 min Scan# 1669
 Delta R.T. 0.006 min
 Lab File: BF136396.D
 Acq: 04 Dec 2023 22:44



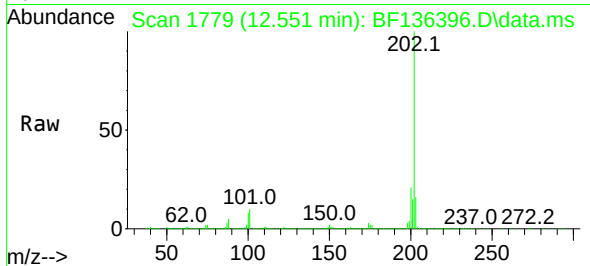
Tgt Ion:149 Resp: 974011
 Ion Ratio Lower Upper
 149 100
 150 8.4 6.0 9.0
 104 4.4 3.5 5.3





#75
Fluoranthene
Concen: 59.027 ng
RT: 12.551 min Scan# 1780
Delta R.T. 0.006 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Instrument :
BNA_F
ClientSampleId :
TR-04-112923MSD



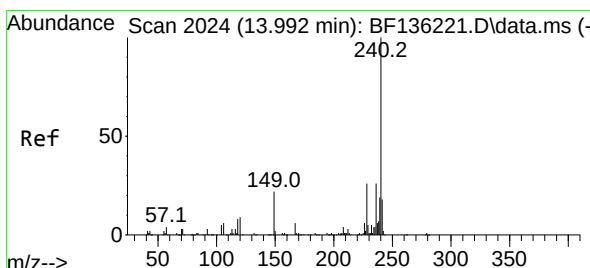
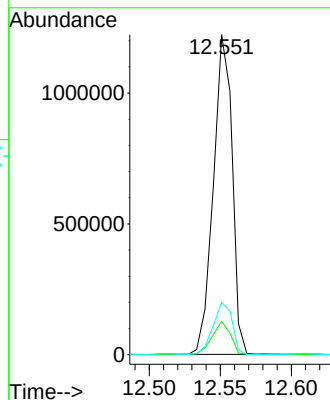
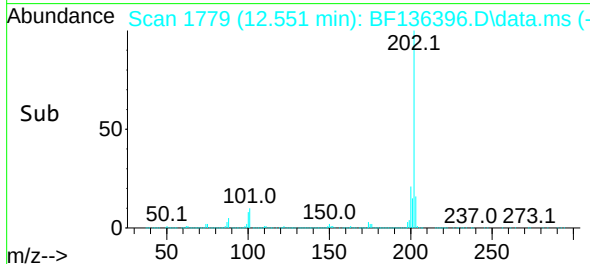
Tgt Ion:202 Resp: 1124049
Ion Ratio Lower Upper
202 100
101 10.4 0.0 27.8
203 16.3 0.0 34.5

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Patel

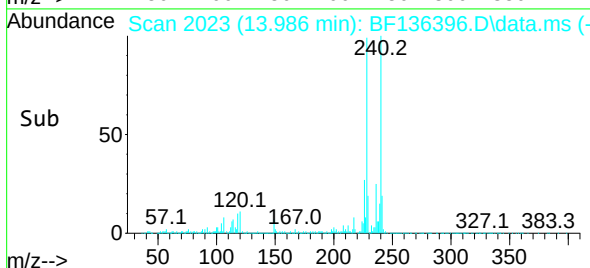
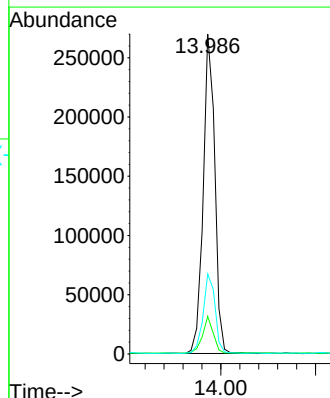
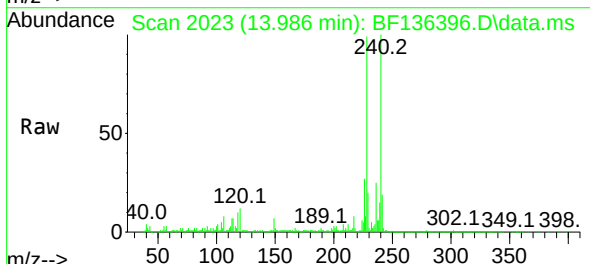
12/05/2023
Supervised By :mohammad
ahmed

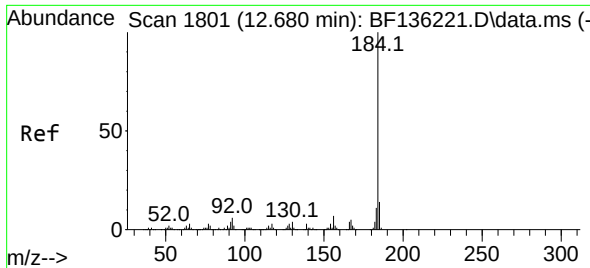
12/05/2023



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.986 min Scan# 2023
Delta R.T. 0.006 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

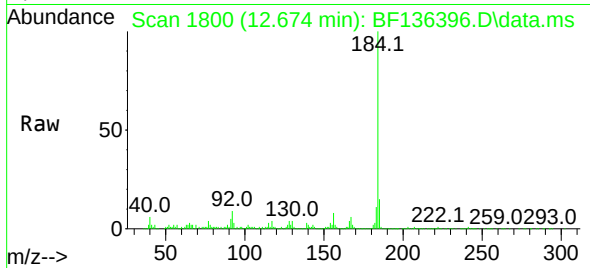
Tgt Ion:240 Resp: 228879
Ion Ratio Lower Upper
240 100
120 11.7 7.4 11.2#
236 25.0 21.1 31.7





#77
Benzidine
Concen: 49.500 ng
RT: 12.674 min Scan# 1800
Delta R.T. 0.006 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Instrument :
BNA_F
ClientSampleId :
TR-04-112923MSD



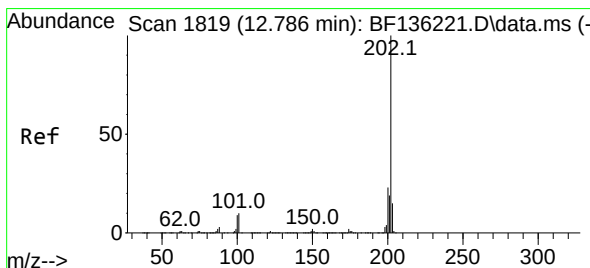
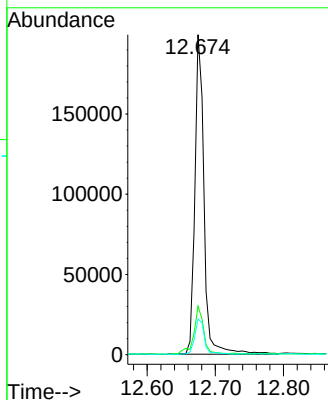
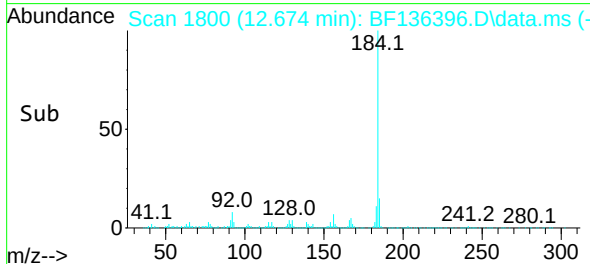
Tgt Ion:184 Resp: 186230
Ion Ratio Lower Upper
184 100
185 15.2 11.0 16.6
183 11.1 9.0 13.4

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

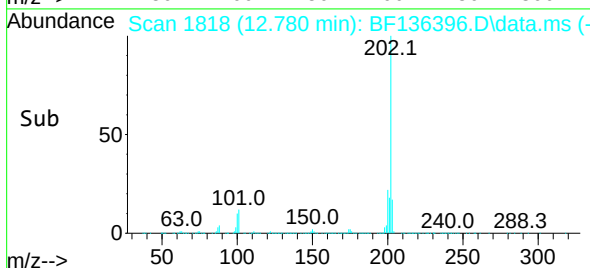
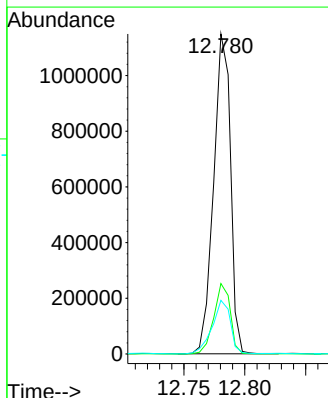
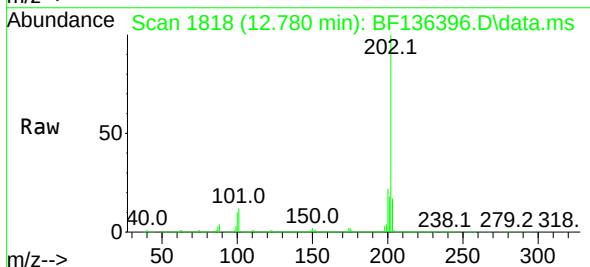
12/05/2023
Supervised By :mohammad
ahmed

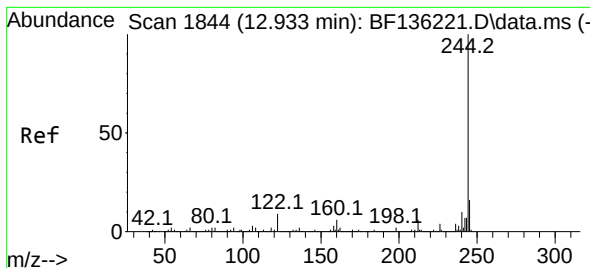
12/05/2023



#78
Pyrene
Concen: 44.220 ng
RT: 12.780 min Scan# 1818
Delta R.T. 0.006 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Tgt Ion:202 Resp: 1108418
Ion Ratio Lower Upper
202 100
200 22.0 18.4 27.6
203 16.7 11.8 17.6





#79

Terphenyl-d14

Concen: 58.715 ng

RT: 12.927 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF136396.D

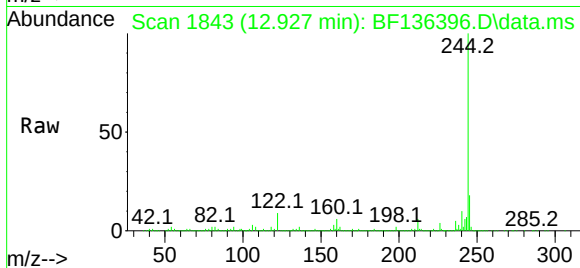
Acq: 04 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

TR-04-112923MSD



Tgt Ion:244 Resp: 1165040

Ion Ratio Lower Upper

244 100

212 6.2 4.6 7.0

122 9.4 7.3 10.9

Manual Integrations

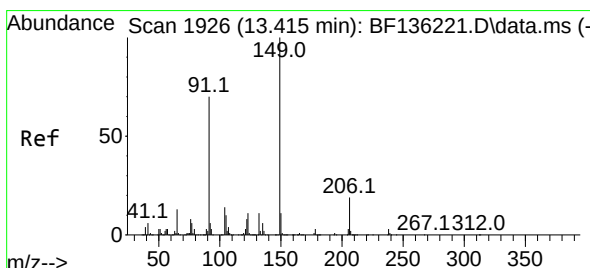
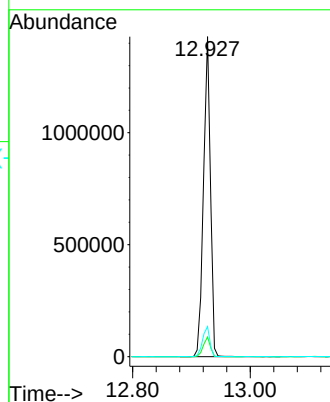
APPROVED

Reviewed By :Yogesh
Patel

12/05/2023

Supervised By :mohammad
ahmed

12/05/2023



#80

Butylbenzylphthalate

Concen: 47.865 ng

RT: 13.410 min Scan# 1925

Delta R.T. 0.006 min

Lab File: BF136396.D

Acq: 04 Dec 2023 22:44

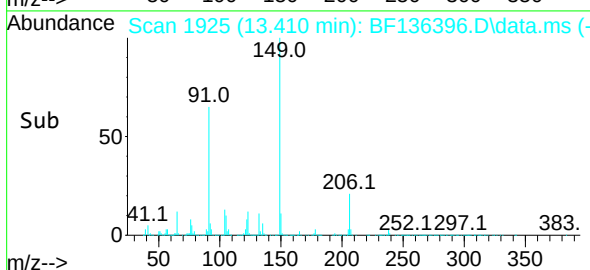
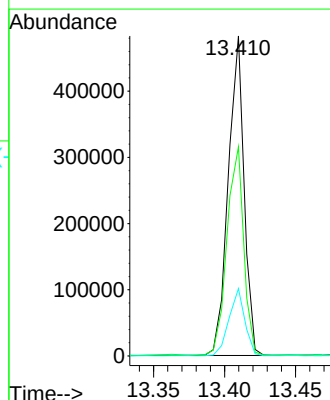
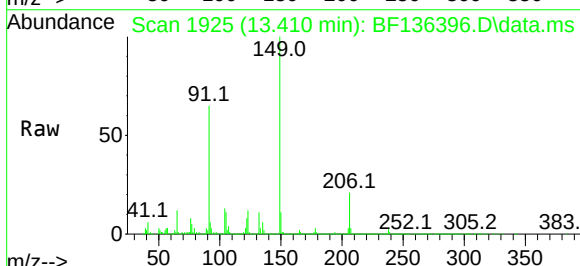
Tgt Ion:149 Resp: 373403

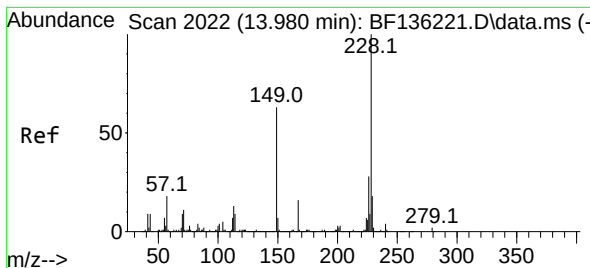
Ion Ratio Lower Upper

149 100

91 65.4 56.4 84.6

206 21.1 14.8 22.2





#81

Benzo(a)anthracene

Concen: 48.257 ng

RT: 13.974 min Scan# 2015

Delta R.T. 0.006 min

Lab File: BF136396.D

Acq: 04 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

TR-04-112923MSD

Tgt Ion:228 Resp: 82038

Ion Ratio Lower Upper

228 100

226 27.8 22.6 34.0

229 19.3 14.0 21.0

Manual Integrations

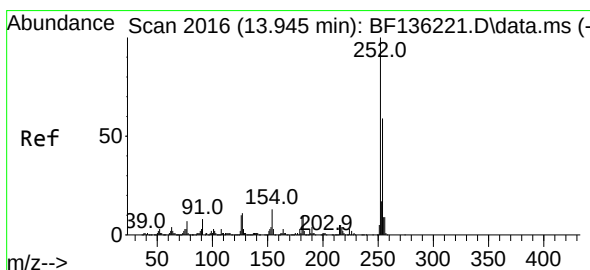
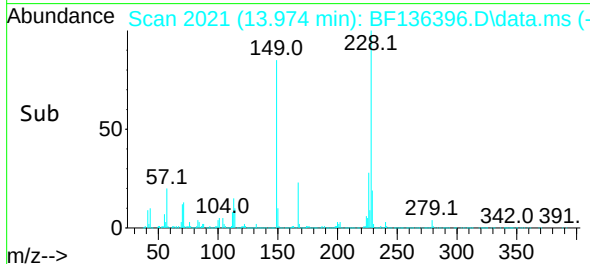
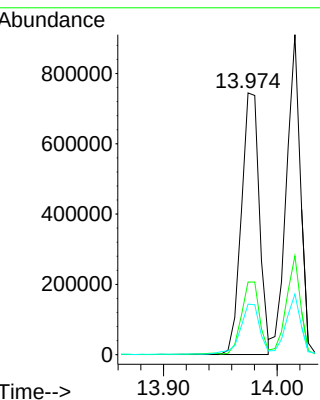
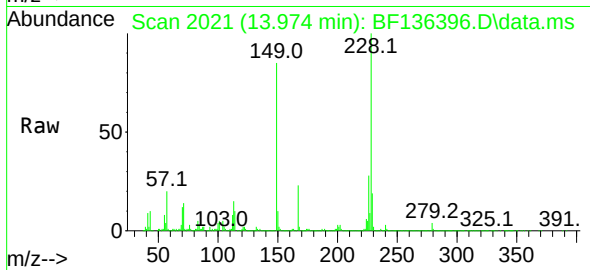
APPROVED

Reviewed By :Yogesh
Patel

12/05/2023

Supervised By :mohammad
ahmed

12/05/2023



#82

3,3'-Dichlorobenzidine

Concen: 41.399 ng

RT: 13.939 min Scan# 2015

Delta R.T. 0.000 min

Lab File: BF136396.D

Acq: 04 Dec 2023 22:44

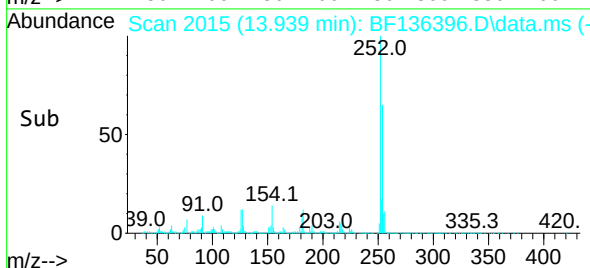
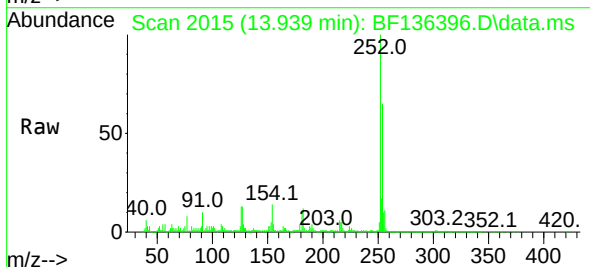
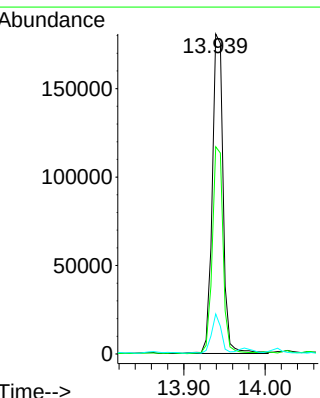
Tgt Ion:252 Resp: 169417

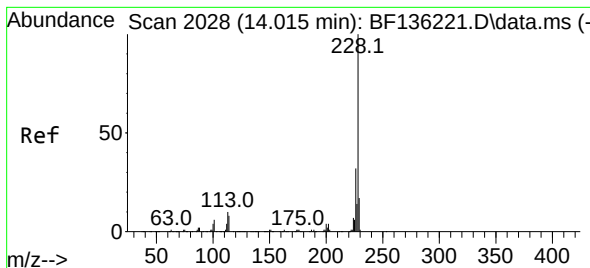
Ion Ratio Lower Upper

252 100

254 64.8 47.4 71.2

126 12.5 8.3 12.5#





#83

Chrysene

Concen: 47.586 ng

RT: 14.016 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF136396.D

Acq: 04 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

TR-04-112923MSD

Tgt Ion:228	Resp: 78109
Ion Ratio	Lower Upper
228 100	
226 30.9	25.5 38.3
229 19.0	13.9 20.9

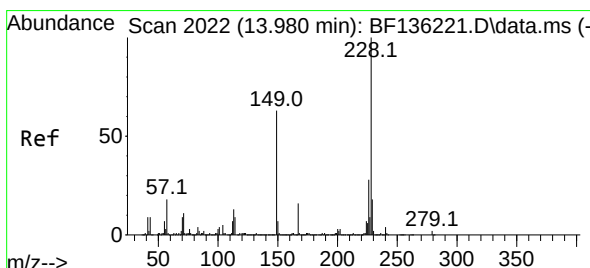
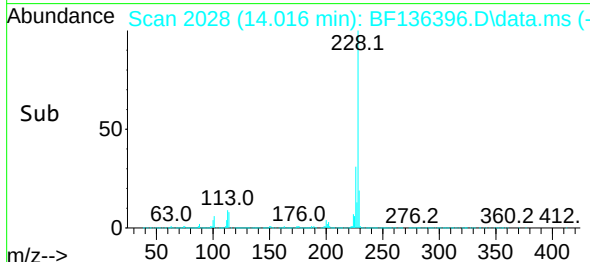
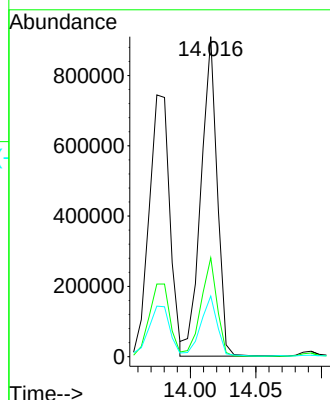
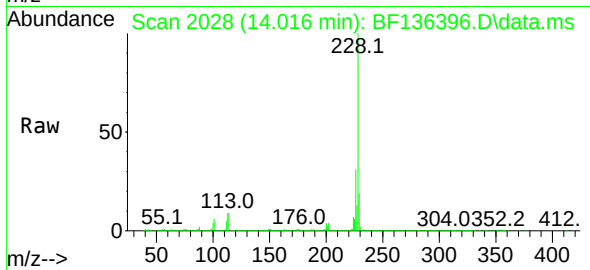
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

12/05/2023

Supervised By :mohammad
ahmed

12/05/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 56.620 ng

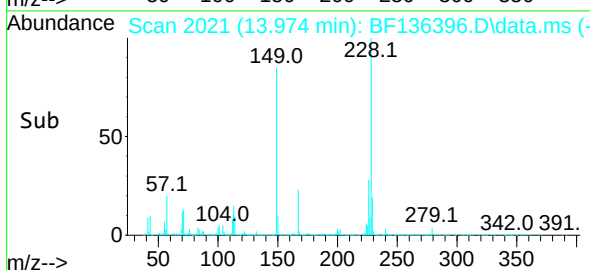
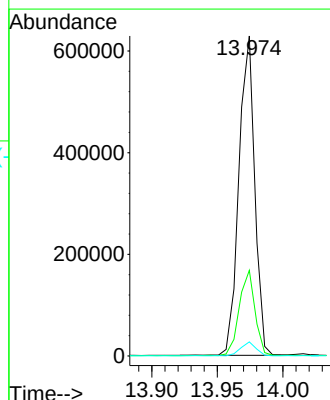
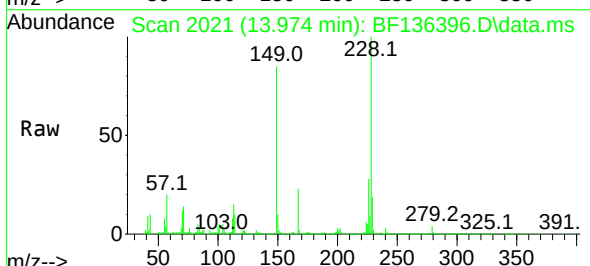
RT: 13.974 min Scan# 2021

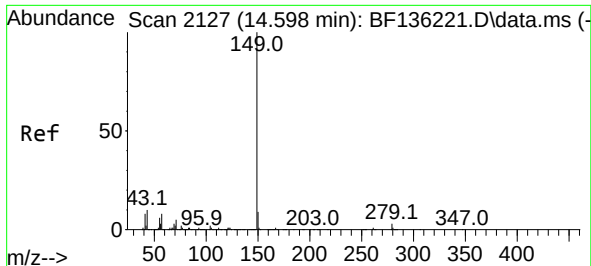
Delta R.T. 0.006 min

Lab File: BF136396.D

Acq: 04 Dec 2023 22:44

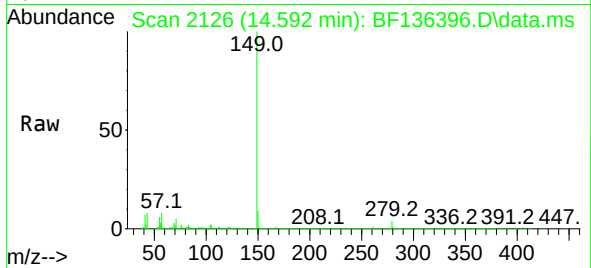
Tgt Ion:149	Resp: 530102
Ion Ratio	Lower Upper
149 100	
167 26.7	20.2 30.2
279 4.4	2.4 3.6





#85
Di-n-octyl phthalate
Concen: 58.290 ng
RT: 14.592 min Scan# 2127
Delta R.T. 0.006 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Instrument :
BNA_F
ClientSampleId :
TR-04-112923MSD



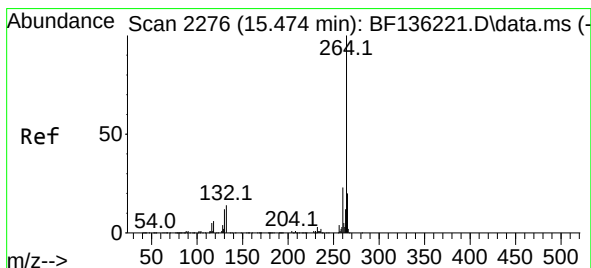
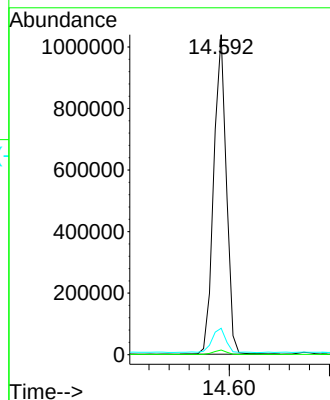
Tgt Ion:149 Resp: 905194
Ion Ratio Lower Upper
149 100
167 1.4 1.0 1.6
43 8.5 7.2 10.8

Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

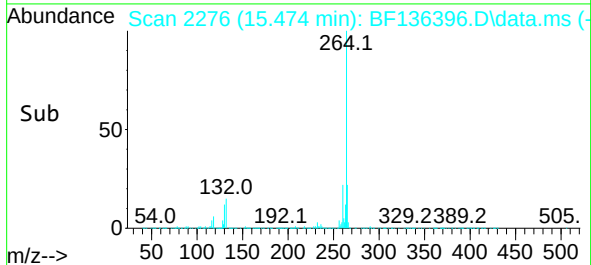
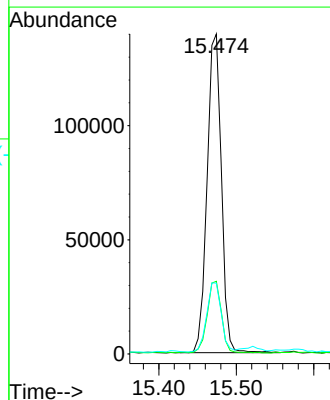
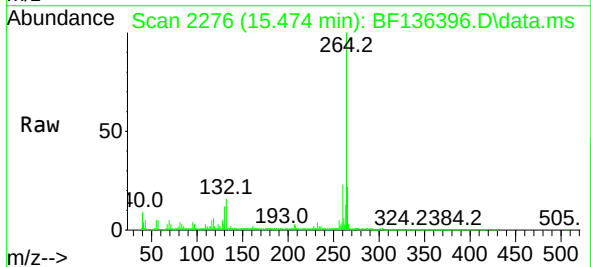
12/05/2023
Supervised By :mohammad
ahmed

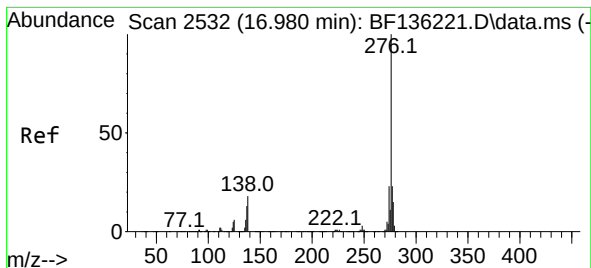
12/05/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.474 min Scan# 2276
Delta R.T. 0.018 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Tgt Ion:264 Resp: 178487
Ion Ratio Lower Upper
264 100
260 22.7 18.6 27.8
265 22.2 15.7 23.5





#87

Indeno(1,2,3-cd)pyrene

Concen: 39.860 ng

RT: 16.986 min Scan# 2532

Delta R.T. 0.024 min

Lab File: BF136396.D

Acq: 04 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

TR-04-112923MSD

Tgt Ion:	276	Resp:	52538
Ion Ratio	Lower	Upper	
276	100		
138	22.5	17.7	26.5
277	25.3	19.6	29.4

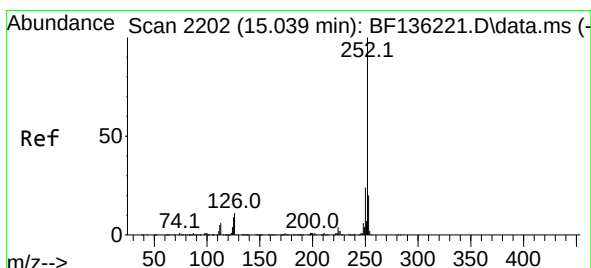
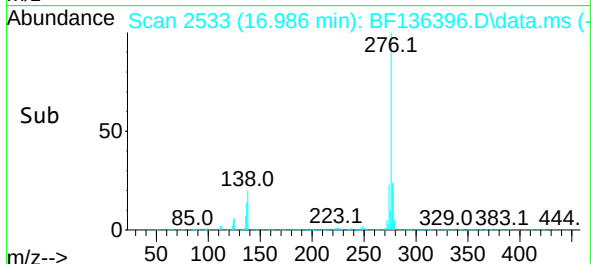
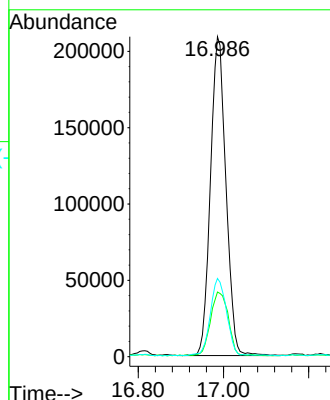
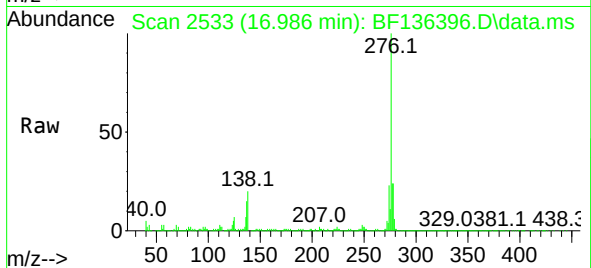
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

12/05/2023

Supervised By :mohammad
ahmed

12/05/2023



#88

Benzo(b)fluoranthene

Concen: 51.891 ng

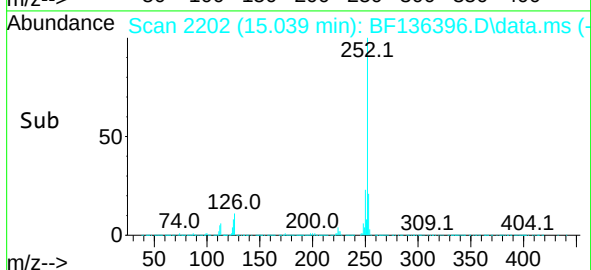
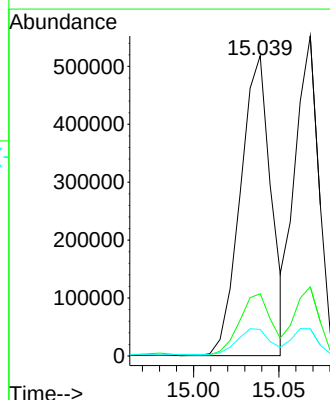
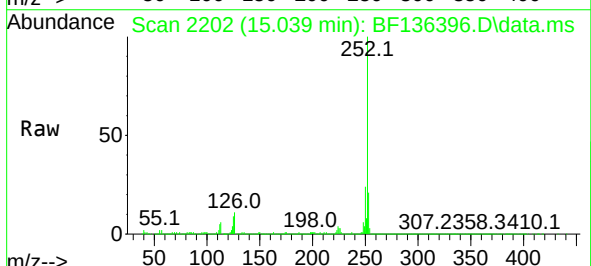
RT: 15.039 min Scan# 2202

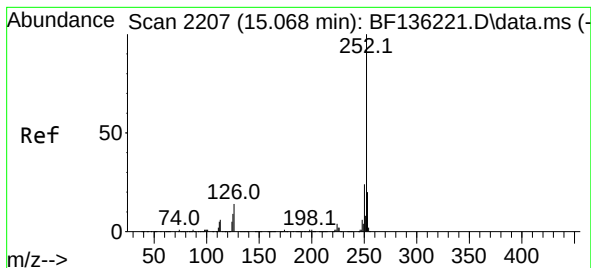
Delta R.T. 0.012 min

Lab File: BF136396.D

Acq: 04 Dec 2023 22:44

Tgt Ion:	252	Resp:	649797
Ion Ratio	Lower	Upper	
252	100		
253	20.7	16.2	24.2
125	8.8	6.9	10.3





#89

Benzo(k)fluoranthene

Concen: 45.490 ng

RT: 15.068 min Scan# 2207

Delta R.T. 0.012 min

Lab File: BF136396.D

Acq: 04 Dec 2023 22:44

Instrument :

BNF

ClientSampleId :

TR-04-112923MSD

Tgt Ion:252 Resp: 54103

Ion Ratio Lower Upper

252 100

253 21.6 15.6 23.4

125 8.5 7.0 10.4

Manual Integrations

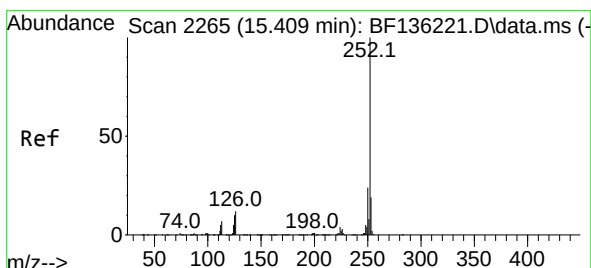
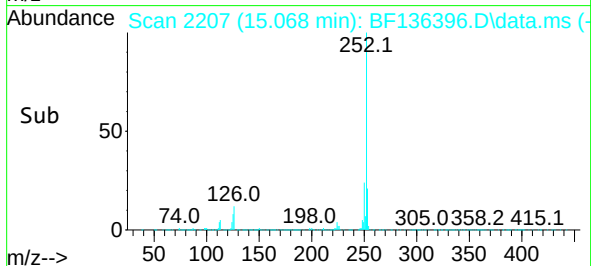
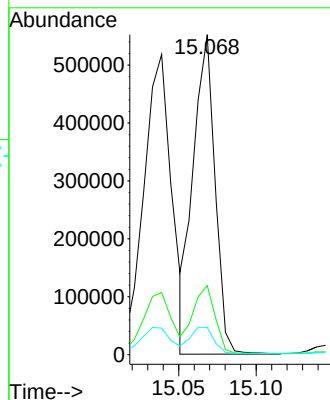
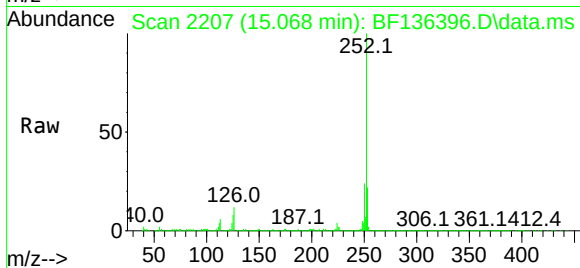
APPROVED

Reviewed By :Yogesh
Patel

12/05/2023

Supervised By :mohammad
ahmed

12/05/2023



#90

Benzo(a)pyrene

Concen: 48.839 ng

RT: 15.410 min Scan# 2265

Delta R.T. 0.012 min

Lab File: BF136396.D

Acq: 04 Dec 2023 22:44

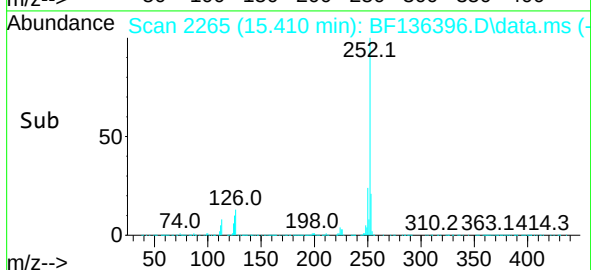
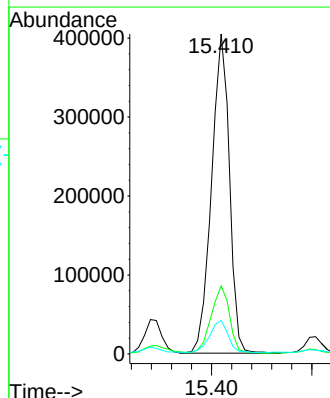
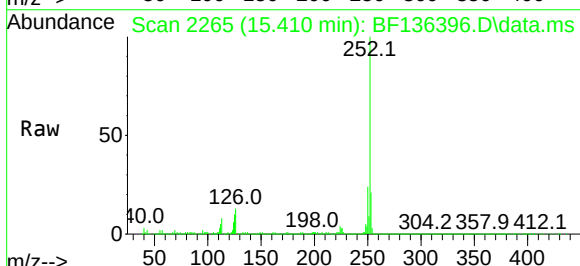
Tgt Ion:252 Resp: 499954

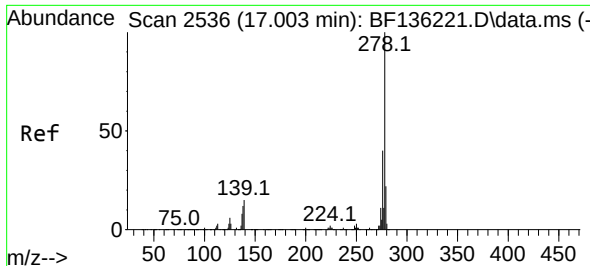
Ion Ratio Lower Upper

252 100

253 21.2 15.5 23.3

125 10.5 7.9 11.9





#91
Dibenzo(a,h)anthracene
Concen: 38.512 ng
RT: 17.009 min Scan# 21
Delta R.T. 0.018 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Instrument :

BNA_F

ClientSampleId :

TR-04-112923MSD

Tgt Ion:278 Resp: 406300
Ion Ratio Lower Upper
278 100
139 14.5 11.7 17.5
279 24.0 17.8 26.8

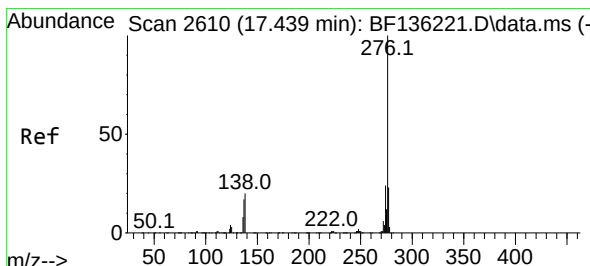
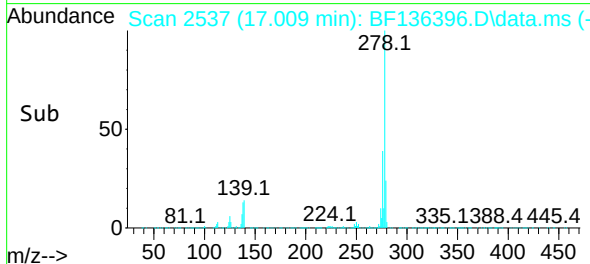
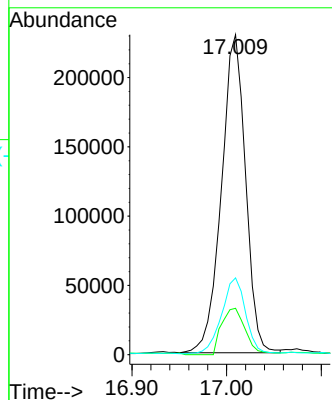
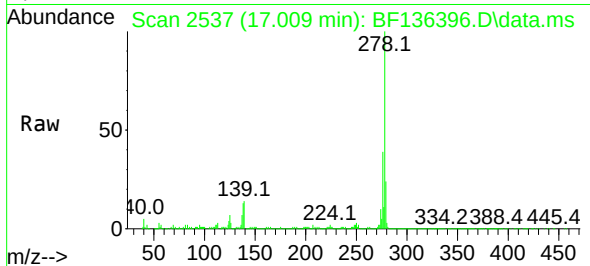
Manual Integrations
APPROVED

Reviewed By :Yogesh
Patel

12/05/2023

Supervised By :mohammad
ahmed

12/05/2023



#92
Benzo(g,h,i)perylene
Concen: 38.964 ng
RT: 17.451 min Scan# 2612
Delta R.T. 0.030 min
Lab File: BF136396.D
Acq: 04 Dec 2023 22:44

Tgt Ion:276 Resp: 414663
Ion Ratio Lower Upper
276 100
277 23.3 18.6 27.8
138 19.6 15.8 23.8

