

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121323\
 Data File : BF136543.D
 Acq On : 13 Dec 2023 18:05
 Operator : CG\JU
 Sample : PB157609BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB157609BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/14/2023

Quant Time: Dec 14 01:43:06 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF120523.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 06 09:40:27 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	128201	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	526427	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	272531	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	506172	20.000	ng	0.00
76) Chrysene-d12	13.980	240	277325	20.000	ng	0.00
86) Perylene-d12	15.457	264	267704	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	958685	110.437	ng	0.02
7) Phenol-d6	6.451	99	1176964	108.669	ng	0.00
23) Nitrobenzene-d5	7.363	82	717763	73.709	ng	0.00
42) 2,4,6-Tribromophenol	10.633	330	391021	116.364	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1497489	74.976	ng	0.00
79) Terphenyl-d14	12.921	244	1682675	79.973	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.651	88	113088	32.936	ng	95
3) Pyridine	3.416	79	261350	31.431	ng	94
4) n-Nitrosodimethylamine	3.381	42	131487	36.398	ng	98
6) Aniline	6.463	93	377443	34.483	ng	# 27
8) 2-Chlorophenol	6.587	128	383377	40.454	ng	99
9) Benzaldehyde	6.351	77	153623	25.751	ng	96
10) Phenol	6.463	94	440626	38.233	ng	81
11) bis(2-Chloroethyl)ether	6.539	93	338534	39.408	ng	96
12) 1,3-Dichlorobenzene	6.739	146	391496	36.734	ng	99
13) 1,4-Dichlorobenzene	6.816	146	397801	36.795	ng	99
14) 1,2-Dichlorobenzene	6.963	146	377636	37.145	ng	98
15) Benzyl Alcohol	6.945	79	295564	40.753	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.075	45	407231	36.858	ng	94
17) 2-Methylphenol	7.057	107	297717	38.885	ng	94
18) Hexachloroethane	7.304	117	141455	37.476	ng	96
19) n-Nitroso-di-n-propyla...	7.216	70	234116	37.472	ng	97
20) 3+4-Methylphenols	7.210	107	361271	38.015	ng	99
22) Acetophenone	7.210	105	506785	38.985	ng	97
24) Nitrobenzene	7.381	77	353686	36.105	ng	98
25) Isophorone	7.622	82	666124	38.075	ng	96
26) 2-Nitrophenol	7.692	139	200534	41.640	ng	100
27) 2,4-Dimethylphenol	7.739	122	327477	55.147	ng	99
28) bis(2-Chloroethoxy)met...	7.828	93	424134	39.453	ng	100
29) 2,4-Dichlorophenol	7.939	162	312731	39.899	ng	98
30) 1,2,4-Trichlorobenzene	8.016	180	348640	38.146	ng	98
31) Naphthalene	8.098	128	1098061	37.825	ng	99
32) Benzoic acid	7.881	122	239276	40.618	ng	99
33) 4-Chloroaniline	8.151	127	270870	26.172	ng	96
34) Hexachlorobutadiene	8.210	225	200835	37.077	ng	99
35) Caprolactam	8.528	113	100938m	41.817	ng	
36) 4-Chloro-3-methylphenol	8.639	107	328027	39.415	ng	99
37) 2-Methylnaphthalene	8.792	142	714940	38.711	ng	94
38) 1-Methylnaphthalene	8.886	142	659978	36.417	ng	96
40) 1,2,4,5-Tetrachloroben...	8.957	216	344195	40.595	ng	99
41) Hexachlorocyclopentadiene	8.939	237	346796	110.403	ng	100
43) 2,4,6-Trichlorophenol	9.069	196	223571	40.496	ng	99

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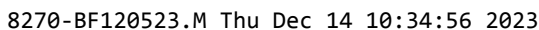
Quant Time: Dec 14 01:43:06 2023
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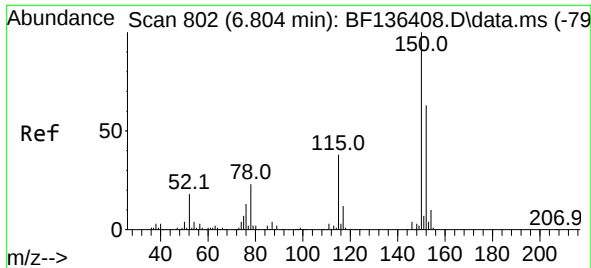
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	246450	39.997	ng	94
46) 1,1'-Biphenyl	9.257	154	914744	39.446	ng	98
47) 2-Chloronaphthalene	9.280	162	685412	37.975	ng	97
48) 2-Nitroaniline	9.380	65	191326	39.524	ng	94
49) Acenaphthylene	9.698	152	1022388	39.764	ng	99
50) Dimethylphthalate	9.563	163	813800	40.559	ng	98
51) 2,6-Dinitrotoluene	9.627	165	178538	39.552	ng	93
52) Acenaphthene	9.869	154	639322	38.803	ng	98
53) 3-Nitroaniline	9.792	138	145525	31.570	ng	96
54) 2,4-Dinitrophenol	9.910	184	196504	86.100	ng	99
55) Dibenzofuran	10.045	168	953843	39.629	ng	98
56) 4-Nitrophenol	9.969	139	279593	80.912	ng	96
57) 2,4-Dinitrotoluene	10.033	165	237995	39.855	ng	96
58) Fluorene	10.386	166	748334	38.731	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	209093	42.364	ng	99
60) Diethylphthalate	10.269	149	789877	40.034	ng	99
61) 4-Chlorophenyl-phenyle...	10.380	204	374267	39.736	ng	94
62) 4-Nitroaniline	10.416	138	182294	39.828	ng	96
63) Azobenzene	10.539	77	692819	38.579	ng	97
65) 4,6-Dinitro-2-methylph...	10.445	198	140105	44.694	ng	85
66) n-Nitrosodiphenylamine	10.504	169	666726	41.049	ng	99
67) 4-Bromophenyl-phenylether	10.869	248	239763	40.741	ng	94
68) Hexachlorobenzene	10.933	284	271304	39.887	ng	97
69) Atrazine	11.039	200	294387	63.504	ng	98
70) Pentachlorophenol	11.133	266	274772	71.577	ng	98
71) Phenanthrene	11.351	178	1136482	40.849	ng	99
72) Anthracene	11.404	178	1165657	41.598	ng	99
73) Carbazole	11.563	167	979430	39.490	ng	98
74) Di-n-butylphthalate	11.892	149	1259095	41.411	ng	99
75) Fluoranthene	12.545	202	1110846	38.101	ng	98
77) Benzidine	12.668	184	281655	42.647	ng	98
78) Pyrene	12.774	202	1104991	40.684	ng	99
80) Butylbenzylphthalate	13.398	149	420367	43.478	ng	92
81) Benzo(a)anthracene	13.968	228	793058	41.054	ng	99
82) 3,3'-Dichlorobenzidine	13.933	252	250874	46.319	ng	100
83) Chrysene	14.004	228	761361	40.060	ng	98
84) Bis(2-ethylhexyl)phtha...	13.962	149	549770	46.384	ng	100
85) Di-n-octyl phthalate	14.580	149	866483	49.492	ng	98
87) Indeno(1,2,3-cd)pyrene	16.968	276	880324	47.334	ng	99
88) Benzo(b)fluoranthene	15.027	252	750013	40.976	ng	99
89) Benzo(k)fluoranthene	15.057	252	705232	40.884	ng	99
90) Benzo(a)pyrene	15.392	252	642600	42.511	ng	99
91) Dibenzo(a,h)anthracene	16.992	278	741815	48.688	ng	98
92) Benzo(g,h,i)perylene	17.427	276	721717	46.150	ng	100

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

Manual Integrations

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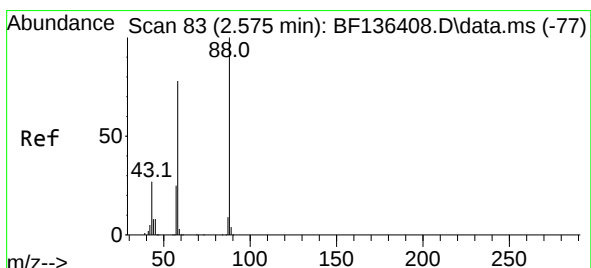
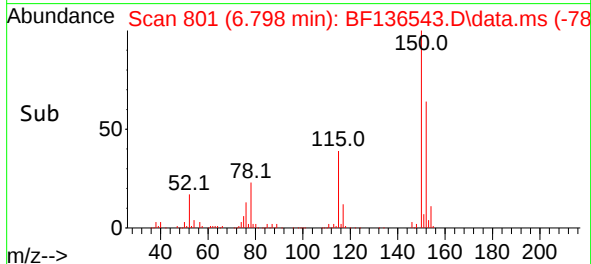
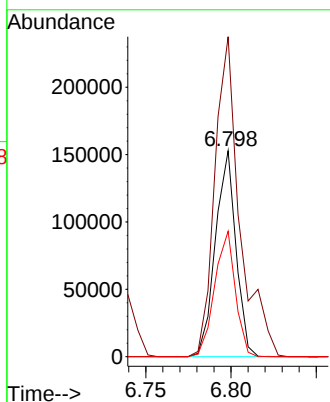
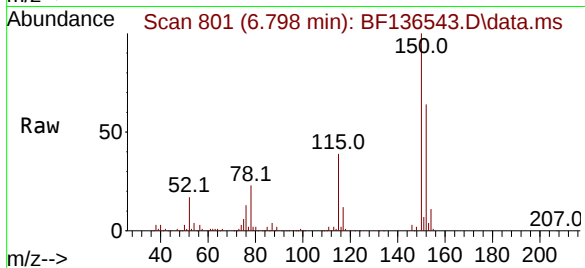
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.798 min Scan# 80
Delta R.T. -0.006 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Instrument :
BNA_F
ClientSampleId :
PB157609BS

Tgt Ion:152 Resp: 12820
Ion Ratio Lower Upper
152 100
150 155.4 126.4 189.6
115 60.9 48.2 72.4

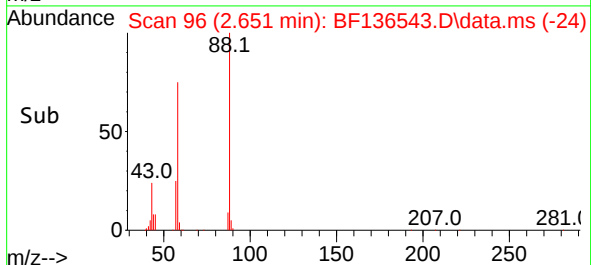
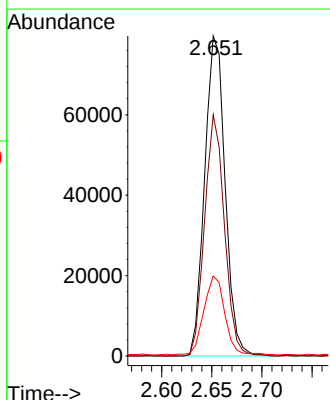
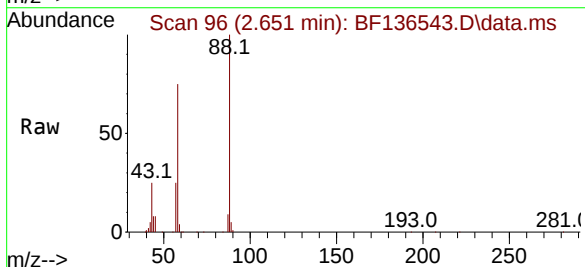
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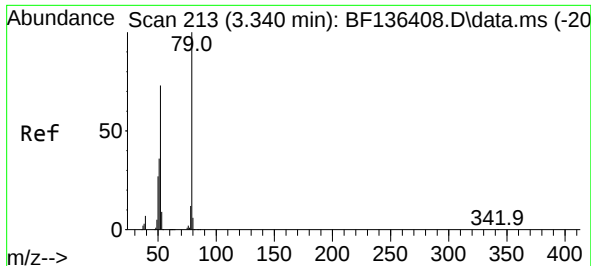
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#2
1,4-Dioxane
Concen: 32.936 ng
RT: 2.651 min Scan# 96
Delta R.T. 0.076 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

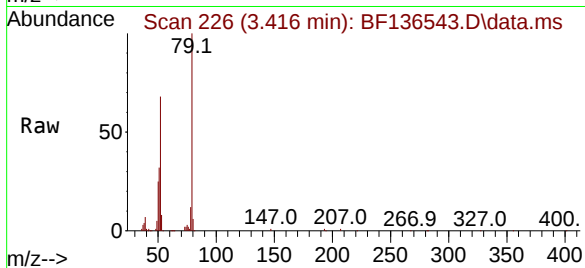
Tgt Ion: 88 Resp: 113088
Ion Ratio Lower Upper
88 100
58 73.1 62.2 93.2
43 25.6 21.5 32.3





#3
Pyridine
Concen: 31.431 ng
RT: 3.416 min Scan# 213
Delta R.T. 0.076 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

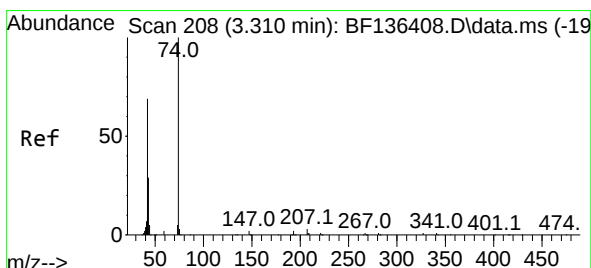
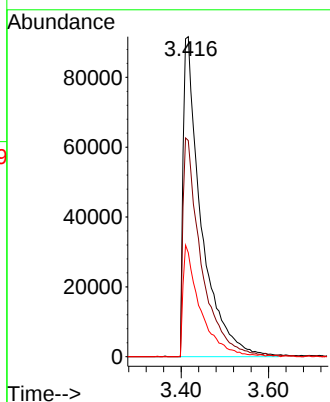
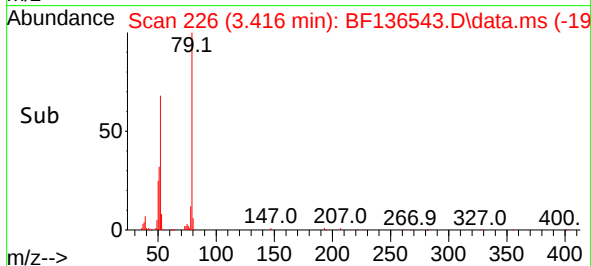
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ClientSampleId :
PB157609BS



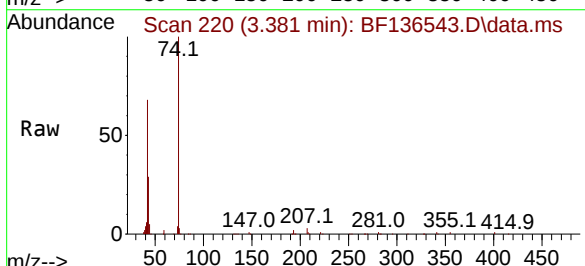
Tgt Ion: 79 Resp: 261350
Ion Ratio Lower Upper
79 100
52 67.6 58.2 87.2
51 32.5 29.1 43.7

Manual Integrations
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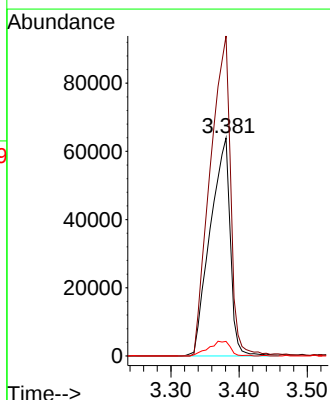
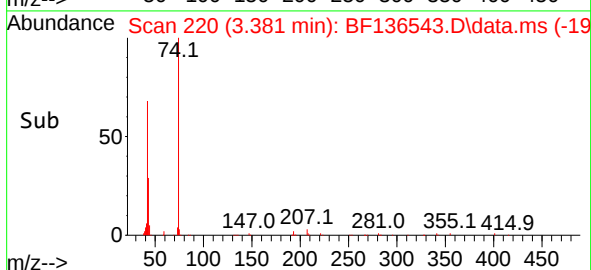
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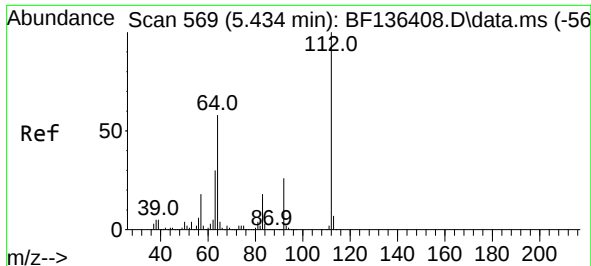


#4
n-Nitrosodimethylamine
Concen: 36.398 ng
RT: 3.381 min Scan# 220
Delta R.T. 0.070 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05



Tgt Ion: 42 Resp: 131487
Ion Ratio Lower Upper
42 100
74 146.9 115.4 173.0
44 6.7 6.2 9.2





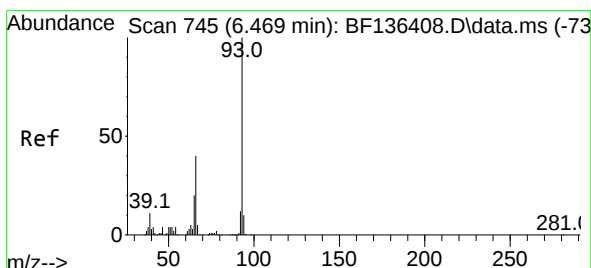
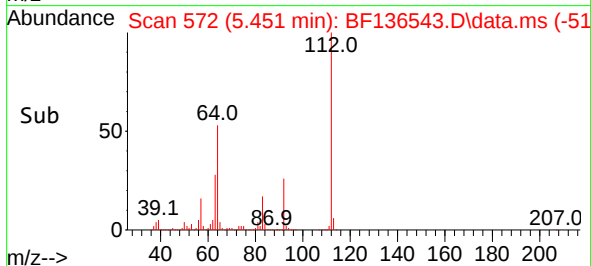
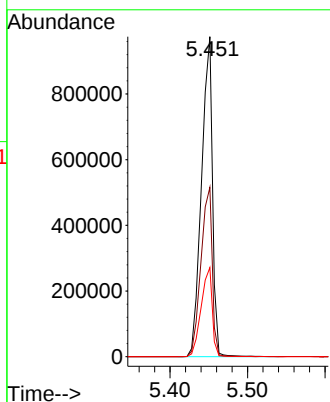
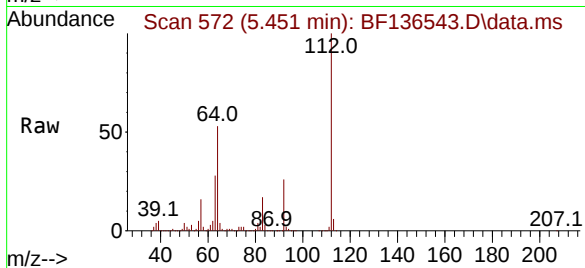
#5
2-Fluorophenol
Concen: 110.437 ng
RT: 5.451 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Instrument :
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ClientSampleId :
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Tgt Ion:112 Resp: 95868
Ion Ratio Lower Upper
112 100
64 52.9 46.5 69.7
63 27.9 23.9 35.9

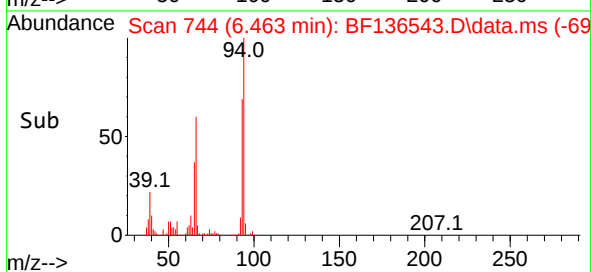
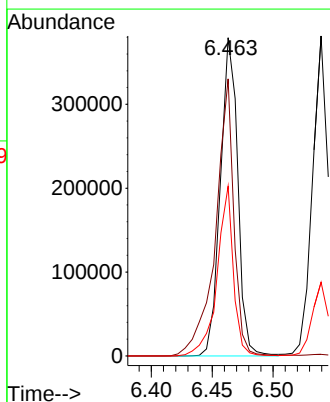
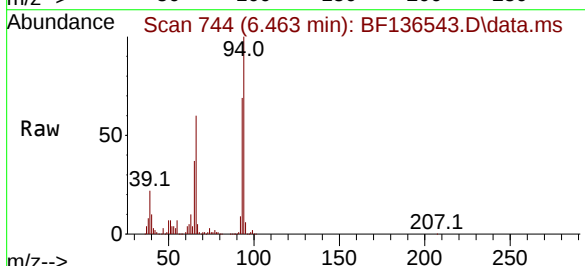
Manual Integrations
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Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#6
Aniline
Concen: 34.483 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Tgt Ion: 93 Resp: 377443
Ion Ratio Lower Upper
93 100
66 87.1 32.5 48.7#
65 53.3 16.4 24.6#





#7

Phenol-d6

Concen: 108.669 ng

RT: 6.451 min Scan# 741

Delta R.T. 0.006 min

Lab File: BF136543.D

Acq: 13 Dec 2023 18:05

Instrument :

BNA_F

ClientSampleId :

PB157609BS

Tgt Ion: 99 Resp: 1176964

Ion Ratio Lower Upper

99 100

42 15.1 12.8 19.2

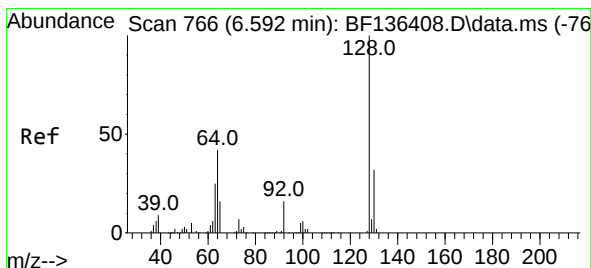
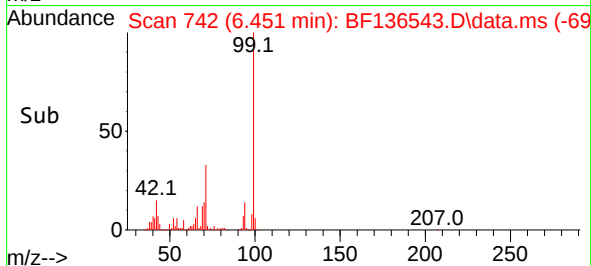
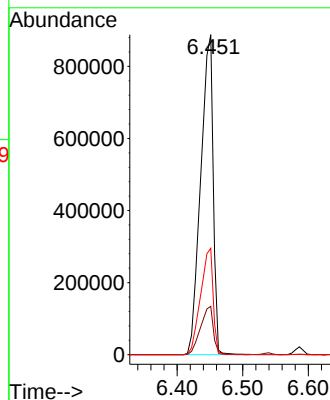
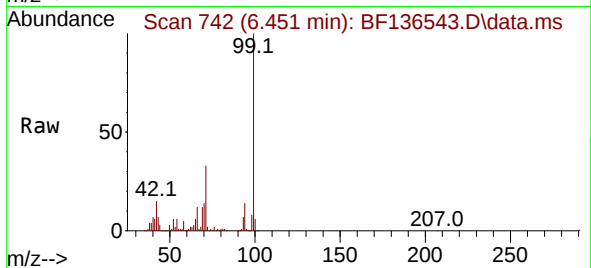
71 33.2 27.0 40.4

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Supervised By :mohammad ahmed 12/14/2023



#8

2-Chlorophenol

Concen: 40.454 ng

RT: 6.587 min Scan# 765

Delta R.T. -0.006 min

Lab File: BF136543.D

Acq: 13 Dec 2023 18:05

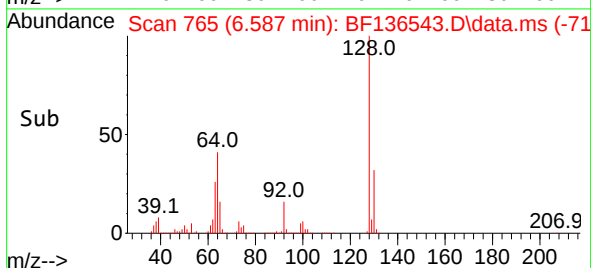
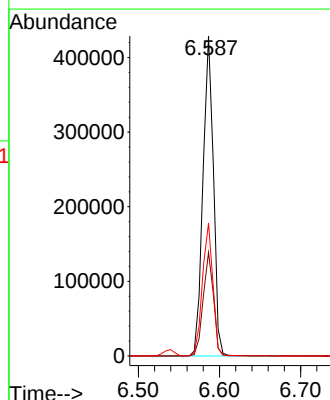
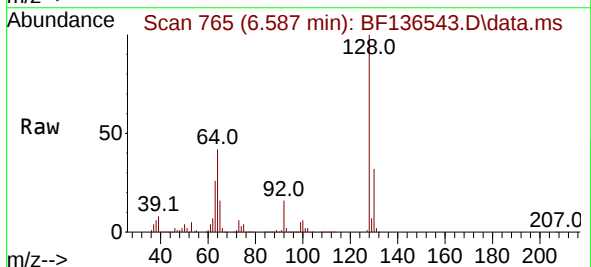
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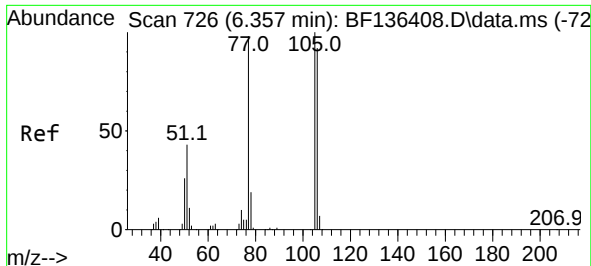
Ion Ratio Lower Upper

128 100

130 32.4 11.7 51.7

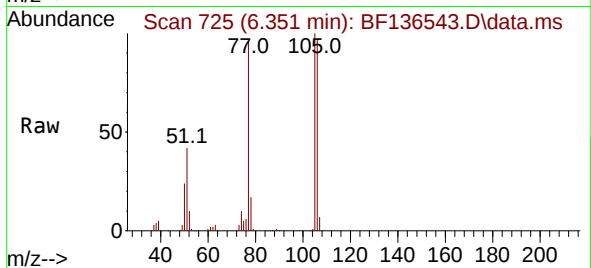
64 41.5 22.5 62.5





#9
Benzaldehyde
Concen: 25.751 ng
RT: 6.351 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

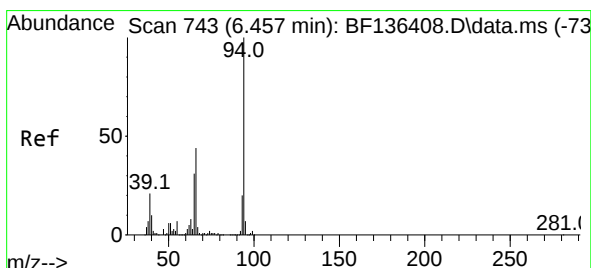
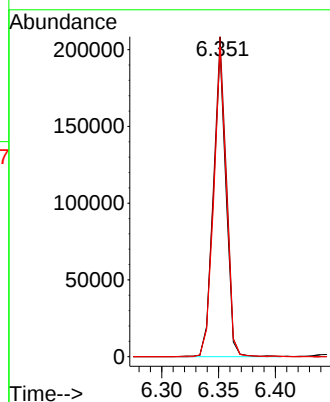
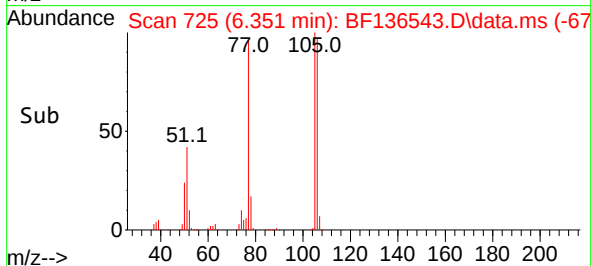
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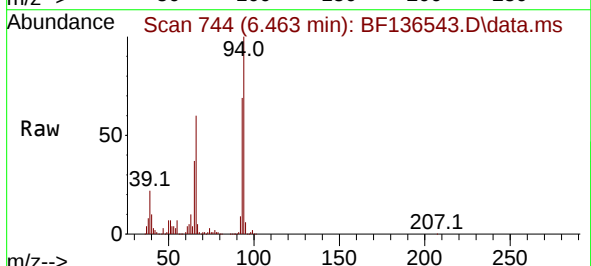
Tgt Ion: 77 Resp: 15362
Ion Ratio Lower Upper
77 100
105 104.5 82.5 122.5
106 101.1 74.5 114.5

Manual Integrations
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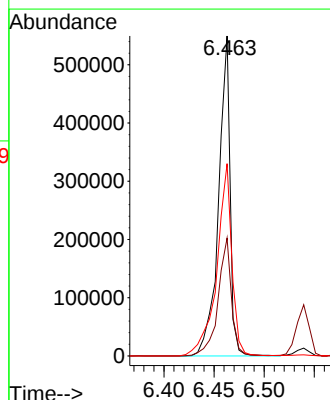
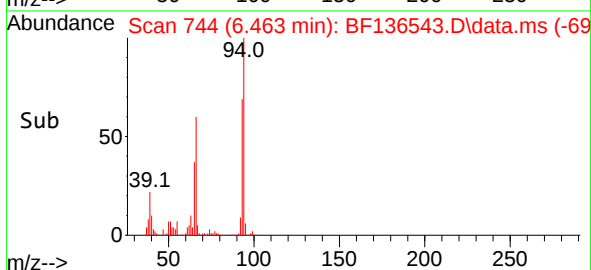
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#10
Phenol
Concen: 38.233 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.006 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05



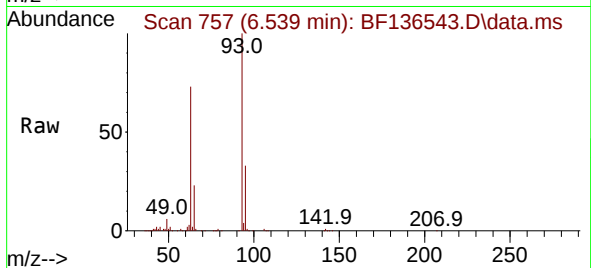
Tgt Ion: 94 Resp: 440626
Ion Ratio Lower Upper
94 100
65 36.8 11.2 51.2
66 60.1 24.2 64.2





#11
bis(2-Chloroethyl)ether
Concen: 39.408 ng
RT: 6.539 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

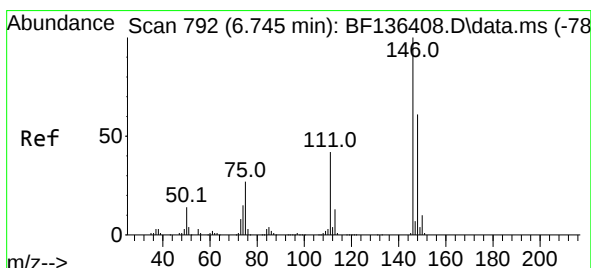
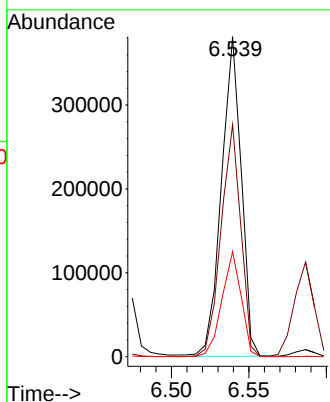
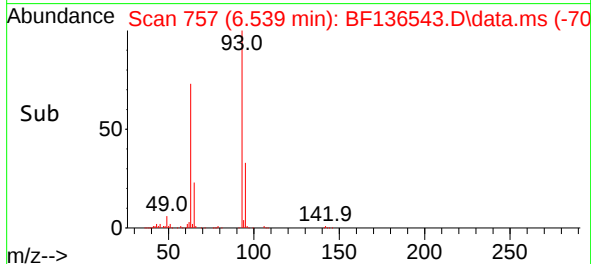
Instrument :
BNA_F
ClientSampleId :
PB157609BS



Tgt Ion: 93 Resp: 338534
Ion Ratio Lower Upper
93 100
63 72.5 56.8 96.8
95 32.8 11.8 51.8

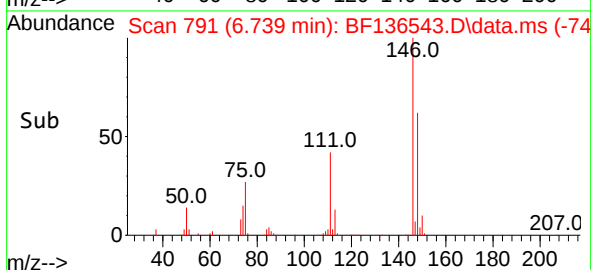
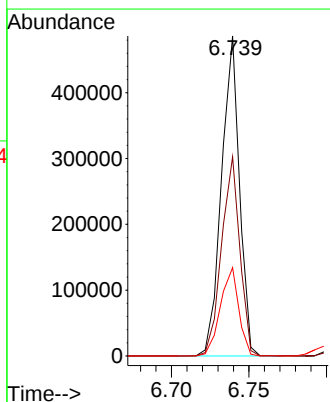
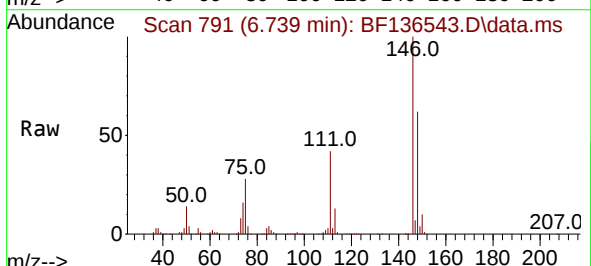
Manual Integrations
APPROVED

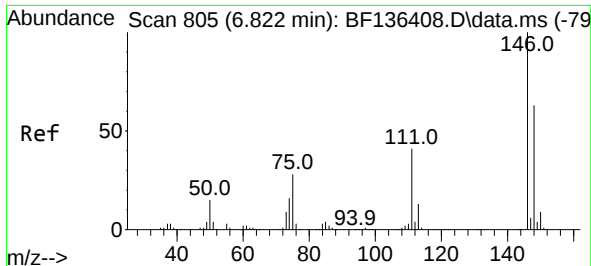
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#12
1,3-Dichlorobenzene
Concen: 36.734 ng
RT: 6.739 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Tgt Ion:146 Resp: 391496
Ion Ratio Lower Upper
146 100
148 62.2 49.0 73.6
75 27.6 21.8 32.6





#13

1,4-Dichlorobenzene

Concen: 36.795 ng

RT: 6.816 min Scan# 805

Delta R.T. -0.006 min

Lab File: BF136543.D

Acq: 13 Dec 2023 18:05

Instrument :

BNA_F

ClientSampleId :

PB157609BS

Tgt Ion:146 Resp: 39780

Ion Ratio Lower Upper

146 100

148 62.4 50.3 75.5

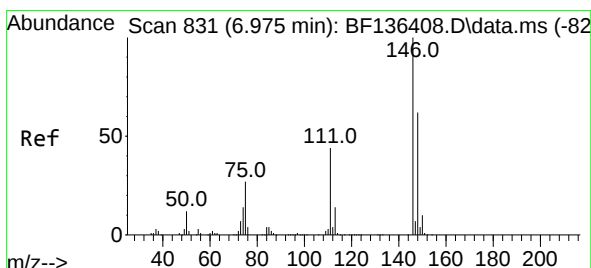
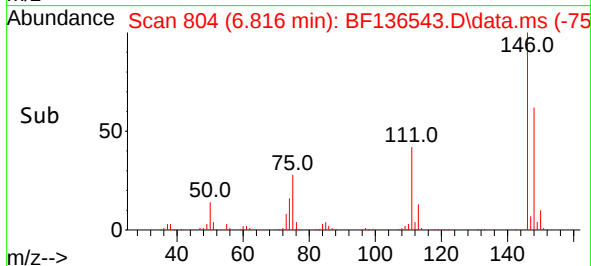
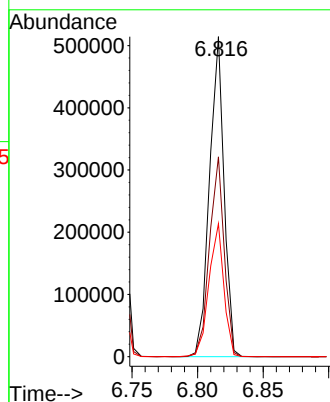
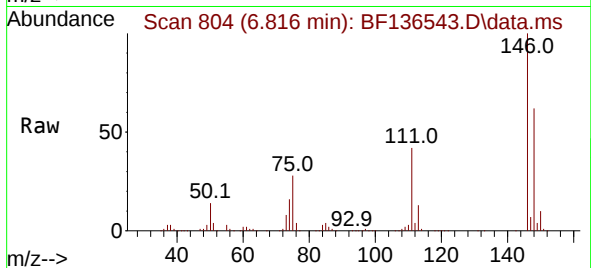
111 41.6 32.6 49.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#14

1,2-Dichlorobenzene

Concen: 37.145 ng

RT: 6.963 min Scan# 829

Delta R.T. -0.012 min

Lab File: BF136543.D

Acq: 13 Dec 2023 18:05

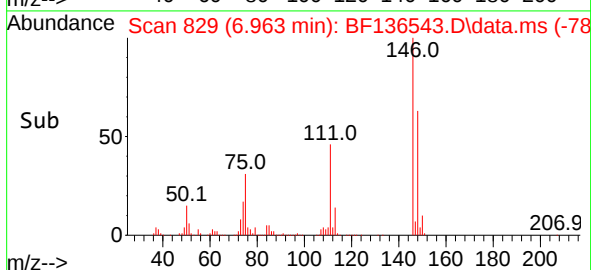
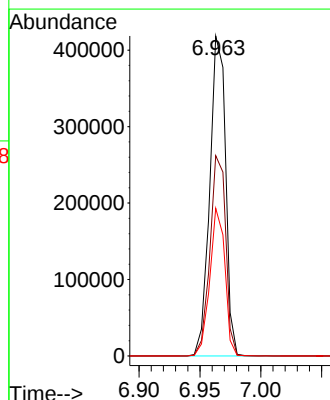
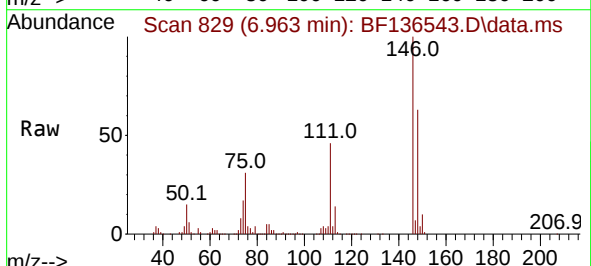
Tgt Ion:146 Resp: 377636

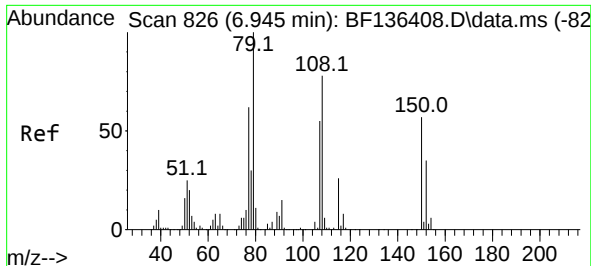
Ion Ratio Lower Upper

146 100

148 62.6 49.8 74.6

111 46.1 34.9 52.3





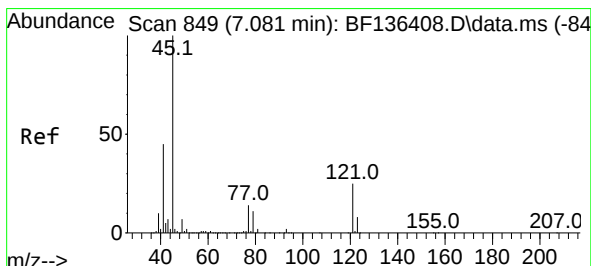
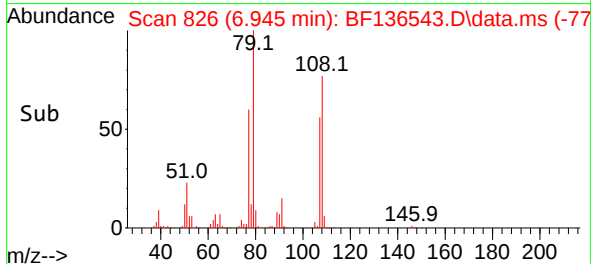
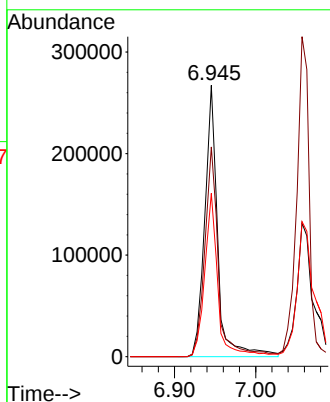
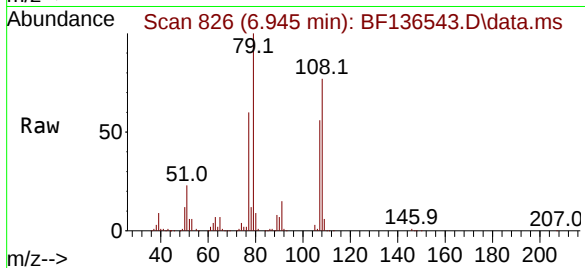
#15
Benzyl Alcohol
Concen: 40.753 ng
RT: 6.945 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Instrument :
BNA_F
ClientSampleId :
PB157609BS

Tgt Ion: 79 Resp: 295564
Ion Ratio Lower Upper
79 100
108 77.3 62.3 93.5
77 60.2 49.8 74.8

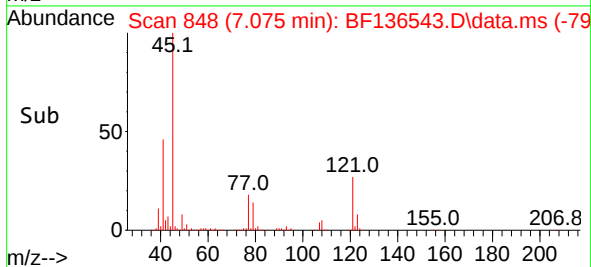
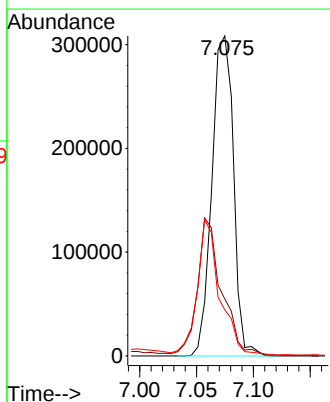
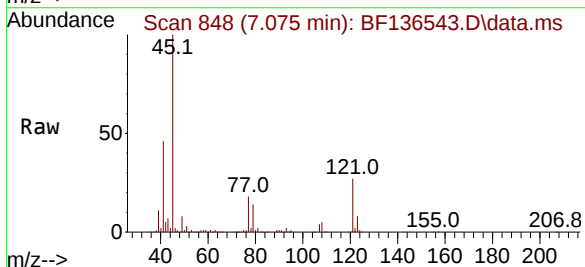
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.858 ng
RT: 7.075 min Scan# 848
Delta R.T. -0.006 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Tgt Ion: 45 Resp: 407231
Ion Ratio Lower Upper
45 100
77 17.9 0.0 35.3
79 14.4 0.0 32.5





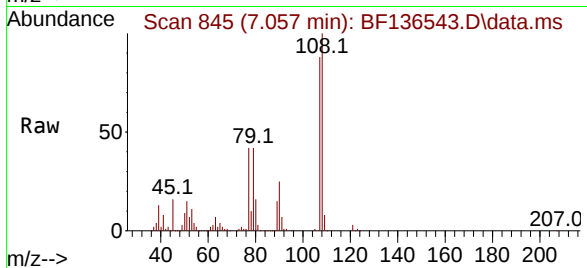
#17
2-Methylphenol
Concen: 38.885 ng
RT: 7.057 min Scan# 845
Delta R.T. -0.000 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Instrument :

BNA_F

ClientSampleId :

PB157609BS

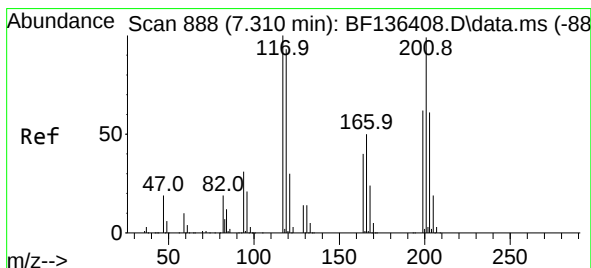
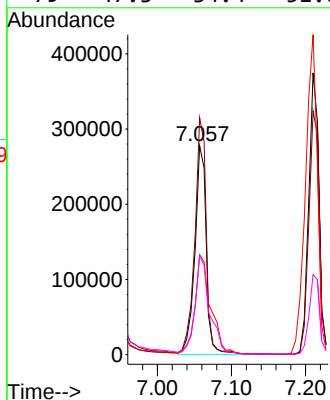
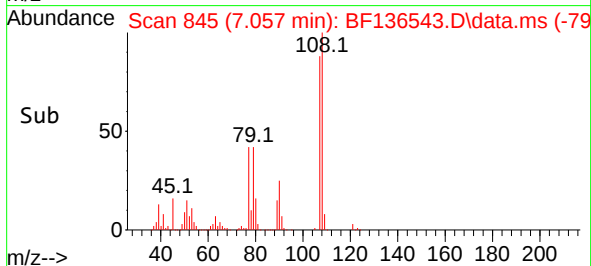


Tgt Ion:107 Resp: 29771
Ion Ratio Lower Upper
107 100
108 113.4 86.5 129.7
77 47.8 33.8 50.8
79 47.3 34.4 51.6

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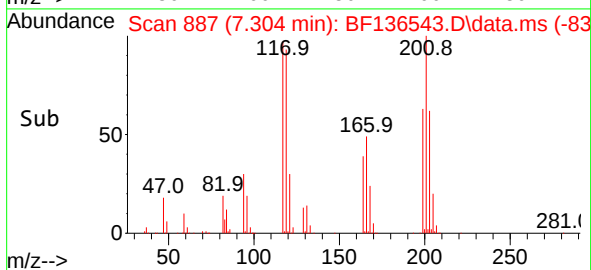
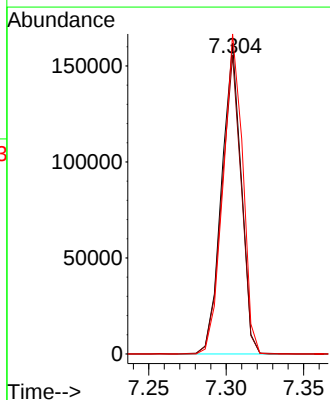
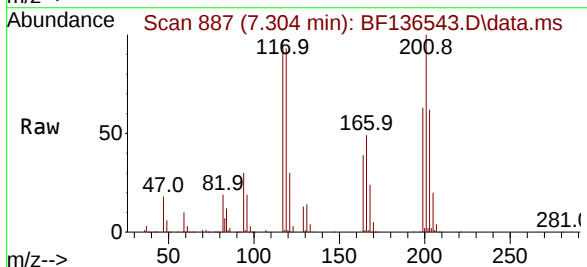
APPROVED

Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#18
Hexachloroethane
Concen: 37.476 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Tgt Ion:117 Resp: 141455
Ion Ratio Lower Upper
117 100
119 96.2 74.3 111.5
201 103.0 79.3 118.9





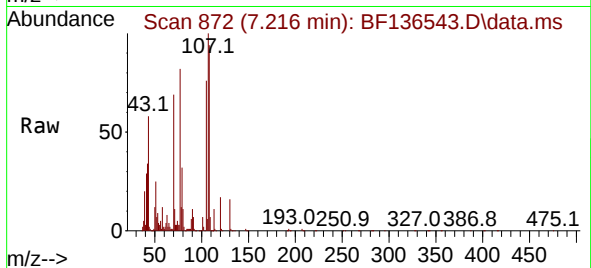
#19
n-Nitroso-di-n-propylamine
Concen: 37.472 ng
RT: 7.216 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Instrument :

BNA_F

ClientSampleId :

PB157609BS

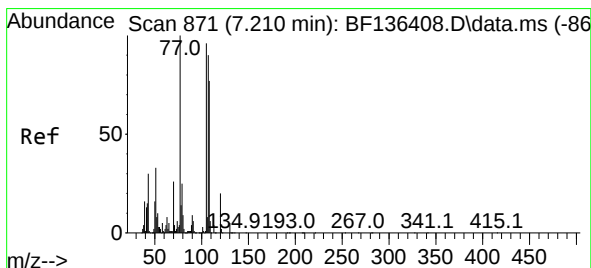
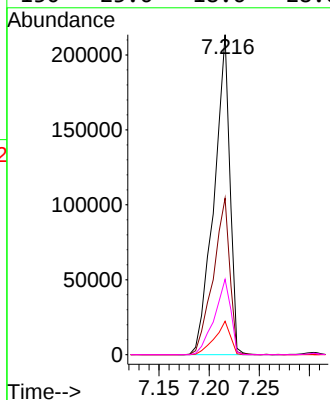
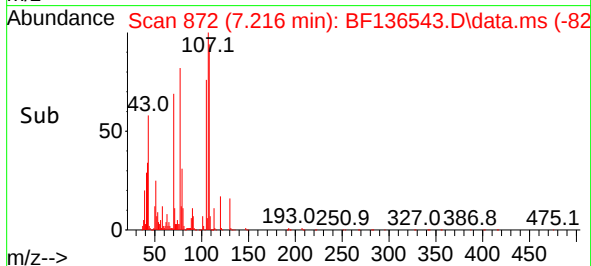


Tgt Ion: 70 Resp: 234110
Ion Ratio Lower Upper
70 100
42 48.9 41.4 62.0
101 10.4 8.2 12.4
130 23.6 18.6 28.0

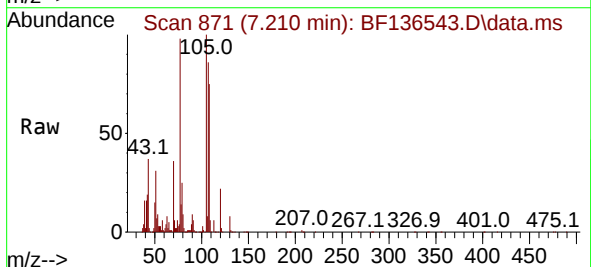
Manual Integrations

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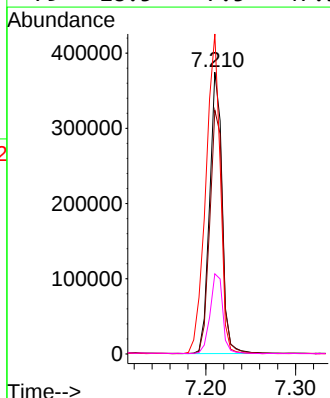
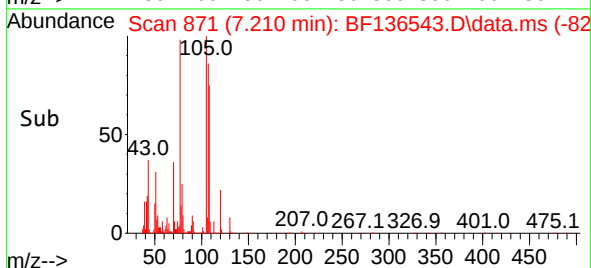
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

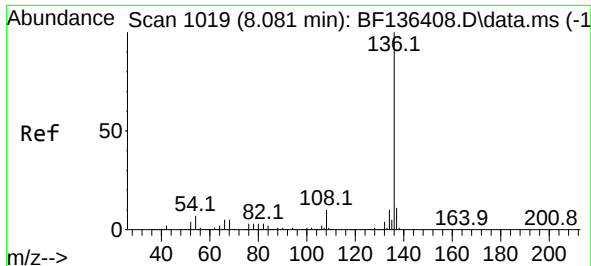


#20
3+4-Methylphenols
Concen: 38.015 ng
RT: 7.210 min Scan# 871
Delta R.T. -0.000 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05



Tgt Ion:107 Resp: 361271
Ion Ratio Lower Upper
107 100
108 86.5 65.9 105.9
77 113.6 91.7 131.7
79 28.5 7.5 47.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Instrument :

BNA_F

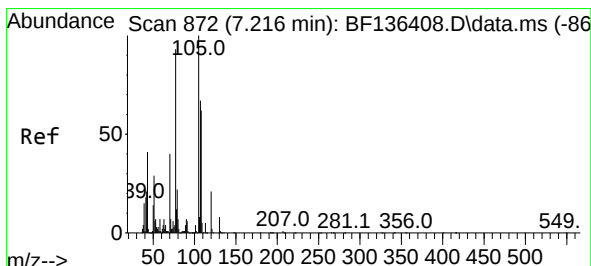
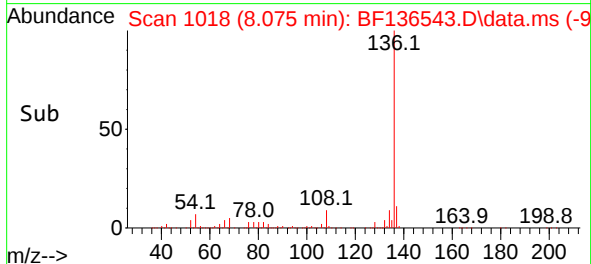
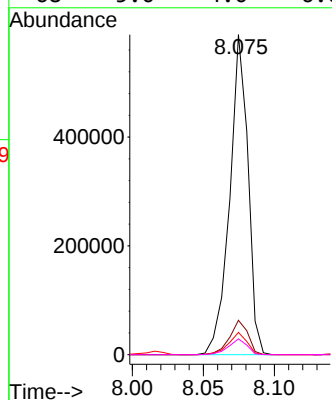
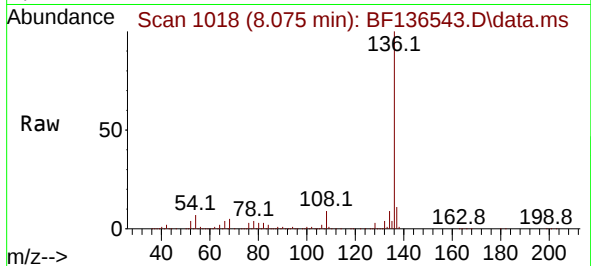
ClientSampleId :

PB157609BS

Tgt Ion:136 Resp: 52642
Ion Ratio Lower Upper
136 100
137 10.7 8.6 12.8
54 6.9 5.7 8.5
68 5.0 4.0 6.0

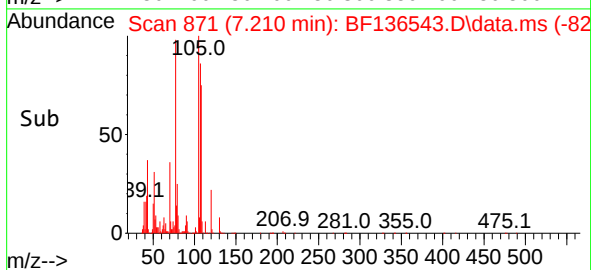
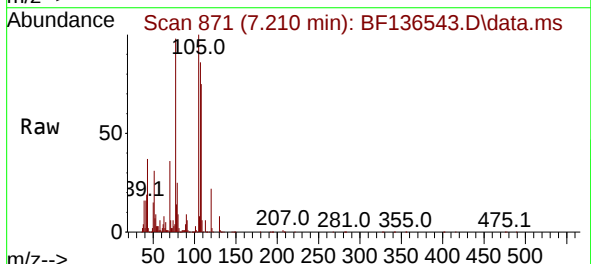
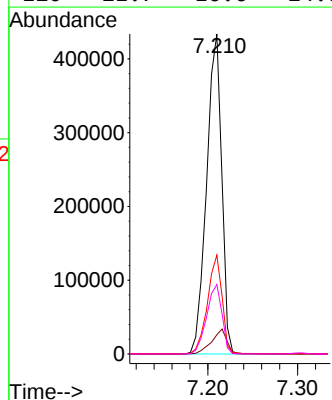
Manual Integrations
APPROVED

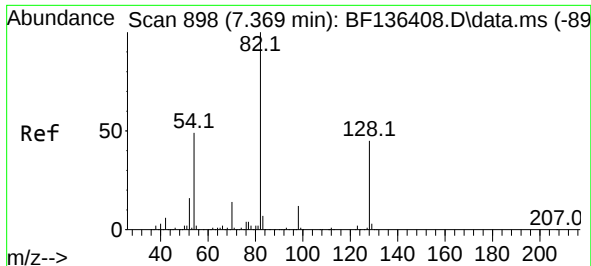
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#22
Acetophenone
Concen: 38.985 ng
RT: 7.210 min Scan# 871
Delta R.T. -0.006 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Tgt Ion:105 Resp: 506785
Ion Ratio Lower Upper
105 100
71 6.0 5.4 8.0
51 30.9 23.4 35.2
120 21.7 16.6 24.8





#23

Nitrobenzene-d5

Concen: 73.709 ng

RT: 7.363 min Scan# 89

Delta R.T. -0.006 min

Lab File: BF136543.D

Acq: 13 Dec 2023 18:05

Instrument :

BNA_F

ClientSampleId :

PB157609BS

Tgt Ion: 82 Resp: 71776

Ion Ratio Lower Upper

82 100

128 48.3 36.3 54.5

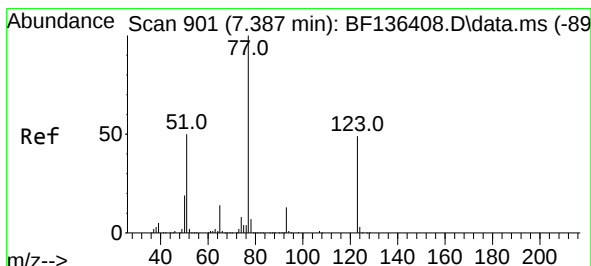
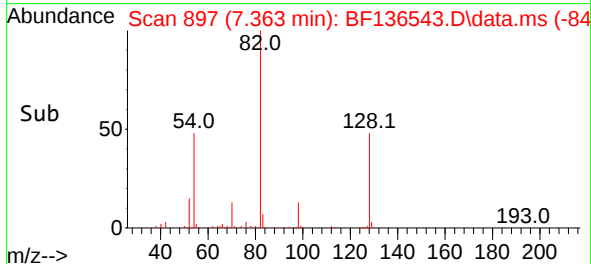
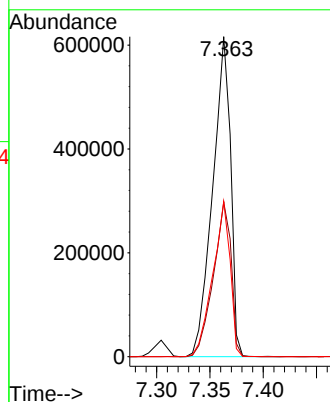
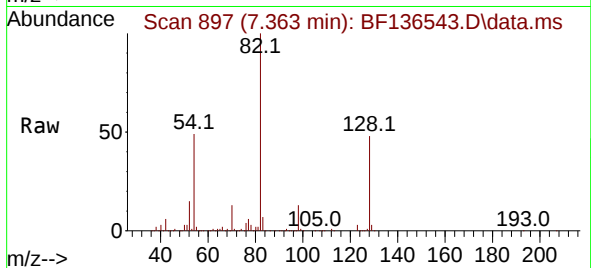
54 48.5 39.0 58.6

Manual Integrations

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Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#24

Nitrobenzene

Concen: 36.105 ng

RT: 7.381 min Scan# 900

Delta R.T. -0.006 min

Lab File: BF136543.D

Acq: 13 Dec 2023 18:05

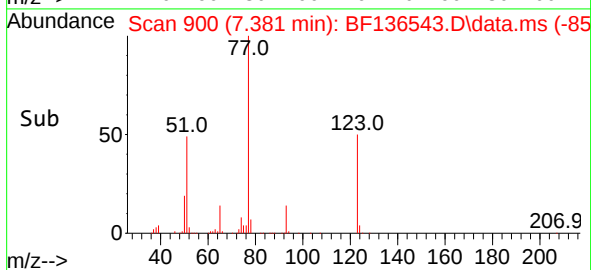
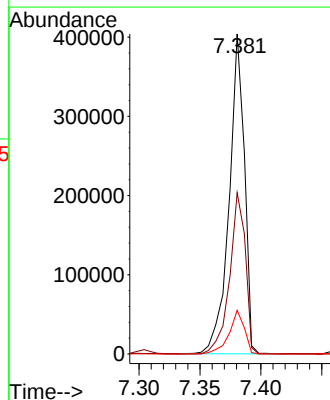
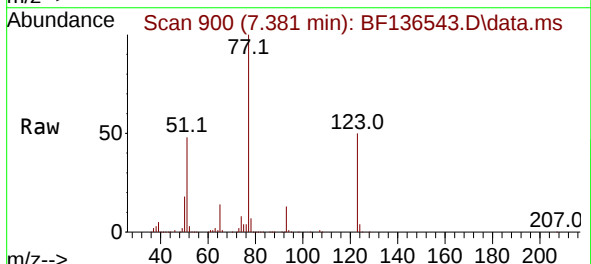
Tgt Ion: 77 Resp: 353686

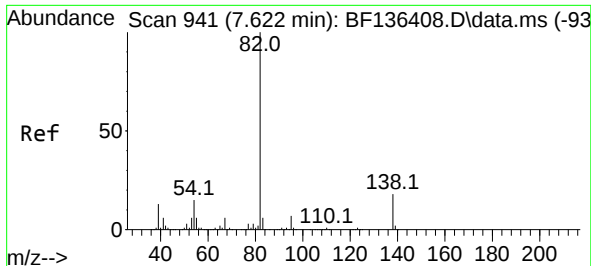
Ion Ratio Lower Upper

77 100

123 50.4 39.0 58.6

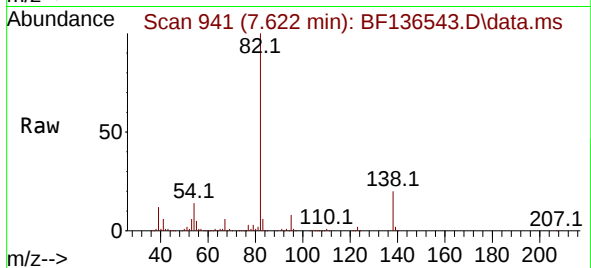
65 13.6 11.3 16.9





#25
Isophorone
Concen: 38.075 ng
RT: 7.622 min Scan# 941
Delta R.T. -0.000 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

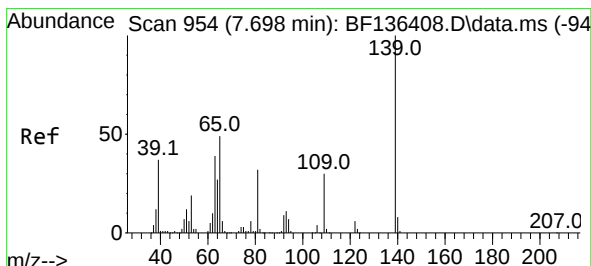
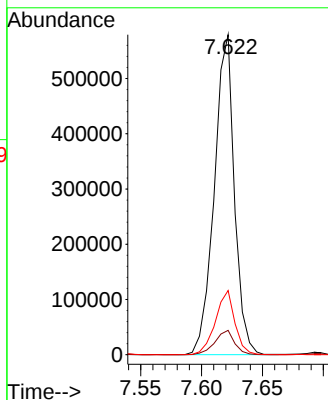
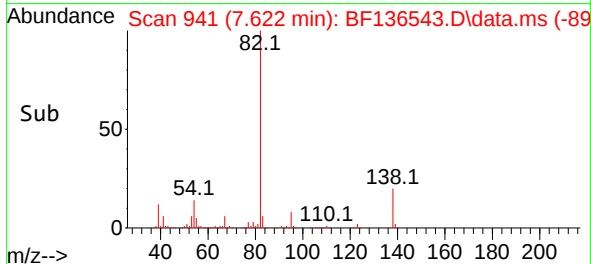
Instrument :
BNA_F
ClientSampleId :
PB157609BS



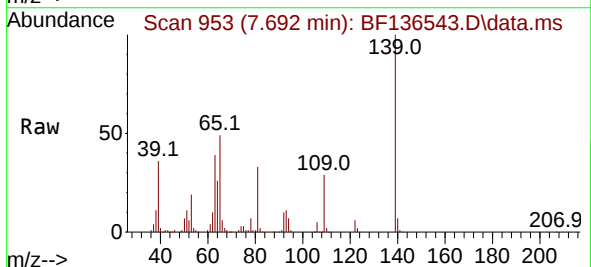
Tgt Ion: 82 Resp: 666124
Ion Ratio Lower Upper
82 100
95 7.6 5.7 8.5
138 20.1 14.5 21.7

Manual Integrations
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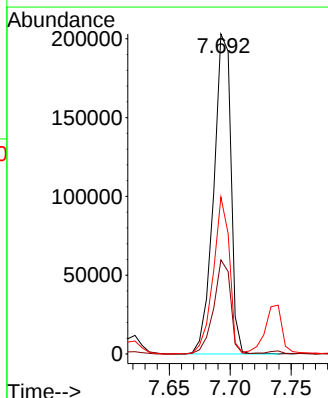
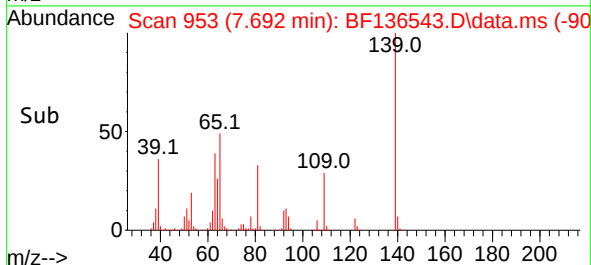
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

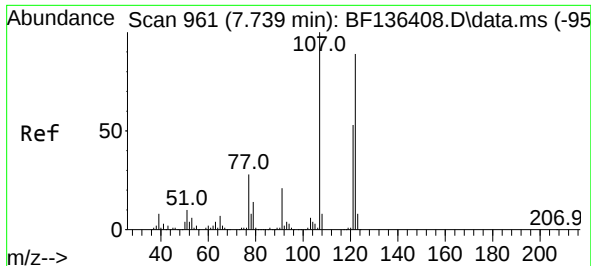


#26
2-Nitrophenol
Concen: 41.640 ng
RT: 7.692 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05



Tgt Ion:139 Resp: 200534
Ion Ratio Lower Upper
139 100
109 29.4 23.6 35.4
65 49.1 39.4 59.2





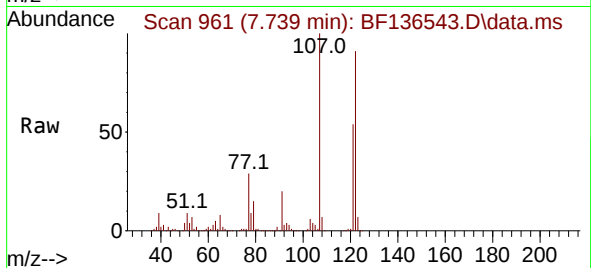
#27
2,4-Dimethylphenol
Concen: 55.147 ng
RT: 7.739 min Scan# 90
Delta R.T. -0.000 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Instrument :

BNA_F

ClientSampleId :

PB157609BS

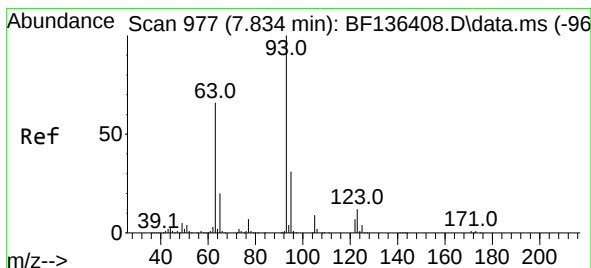
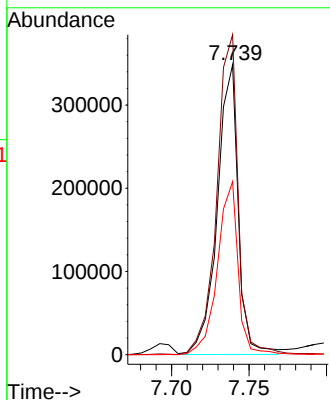
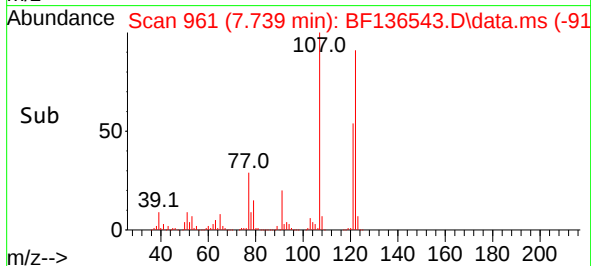


Tgt Ion:122 Resp: 32747
Ion Ratio Lower Upper
122 100
107 110.4 89.3 133.9
121 59.7 47.6 71.4

Manual Integrations

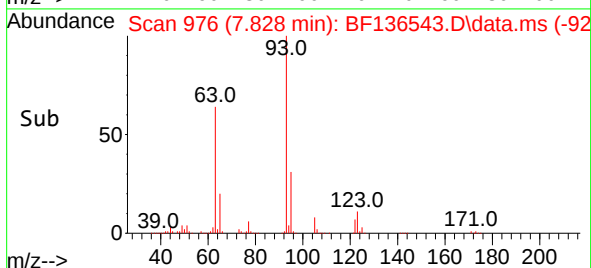
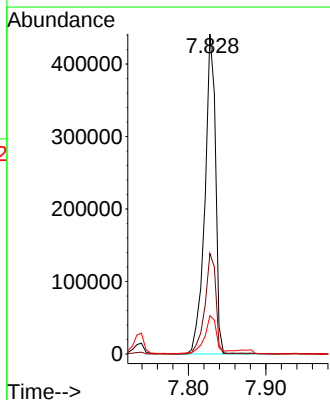
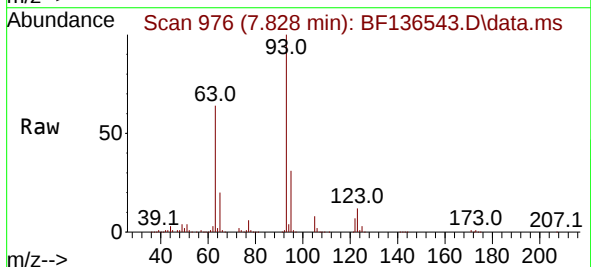
APPROVED

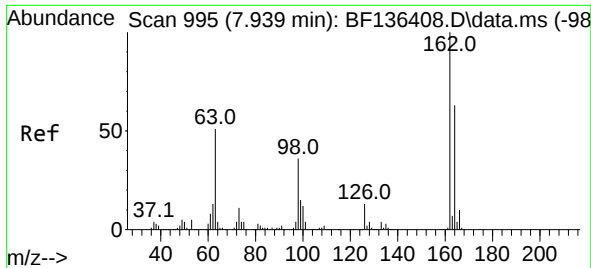
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#28
bis(2-Chloroethoxy)methane
Concen: 39.453 ng
RT: 7.828 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Tgt Ion: 93 Resp: 424134
Ion Ratio Lower Upper
93 100
95 31.4 25.0 37.4
123 12.0 9.4 14.0





#29
2,4-Dichlorophenol
Concen: 39.899 ng
RT: 7.939 min Scan# 995
Delta R.T. -0.000 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Instrument :

BNA_F

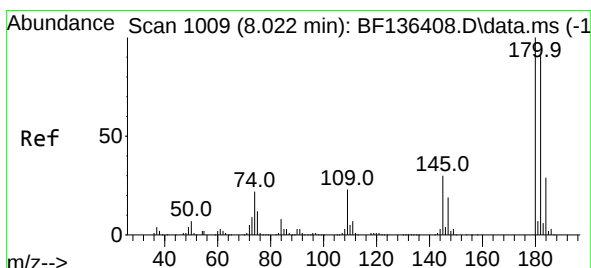
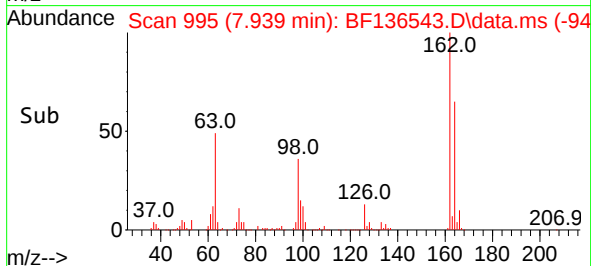
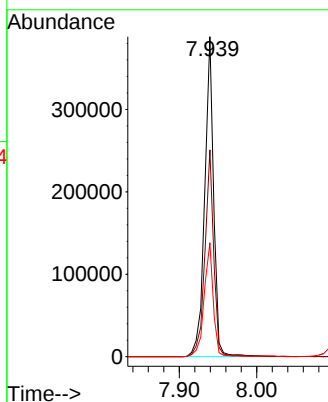
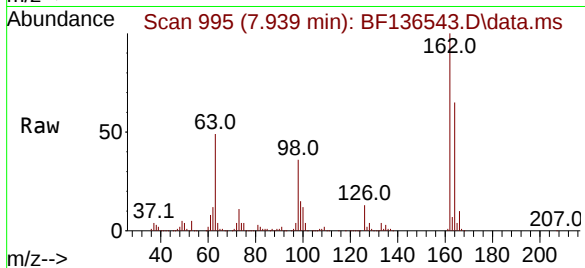
ClientSampleId :

PB157609BS

Tgt Ion:162 Resp: 31273
Ion Ratio Lower Upper
162 100
164 64.7 43.0 83.0
98 35.6 16.2 56.2

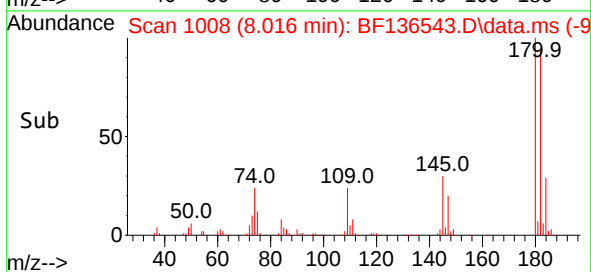
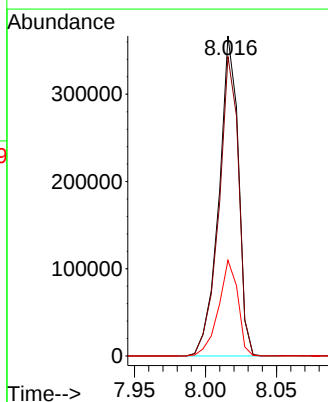
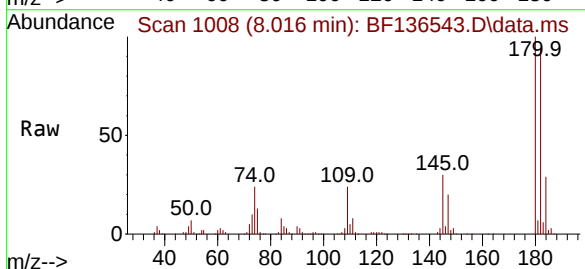
Manual Integrations
APPROVED

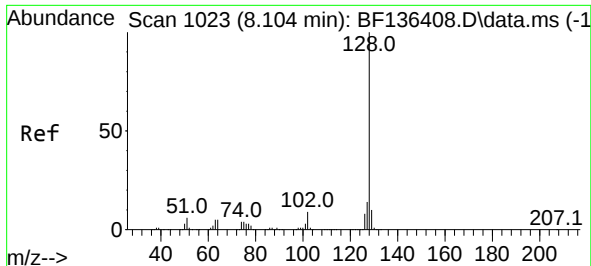
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#30
1,2,4-Trichlorobenzene
Concen: 38.146 ng
RT: 8.016 min Scan# 1008
Delta R.T. -0.006 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Tgt Ion:180 Resp: 348640
Ion Ratio Lower Upper
180 100
182 93.6 73.1 109.7
145 29.9 23.8 35.8





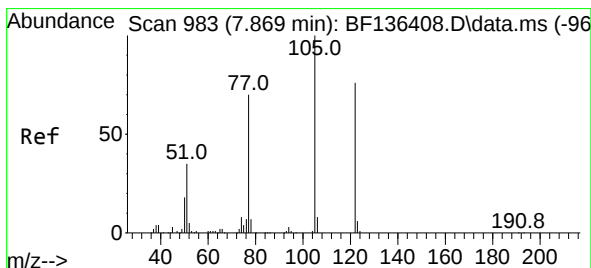
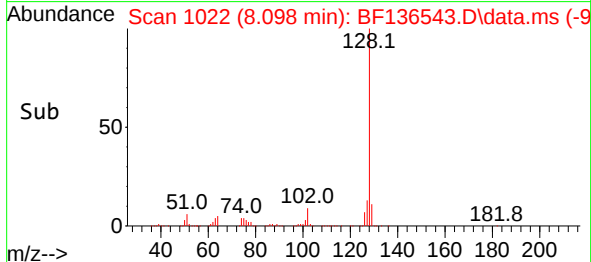
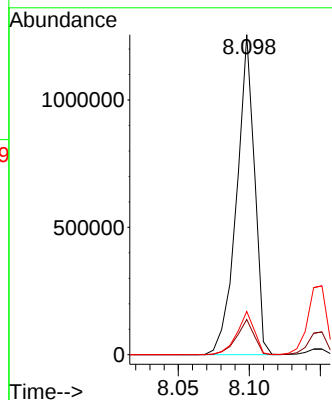
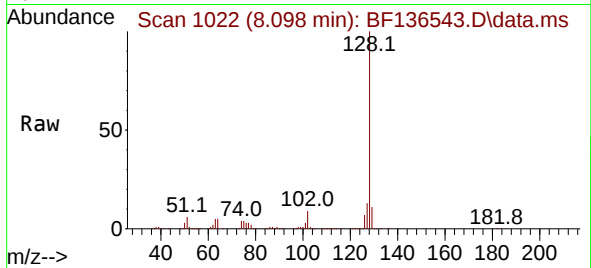
#31
Naphthalene
Concen: 37.825 ng
RT: 8.098 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Instrument :
BNA_F
ClientSampleId :
PB157609BS

Tgt Ion:128 Resp: 109806
Ion Ratio Lower Upper
128 100
129 11.0 8.3 12.5
127 13.5 11.1 16.7

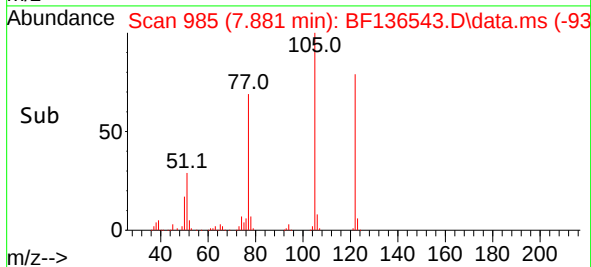
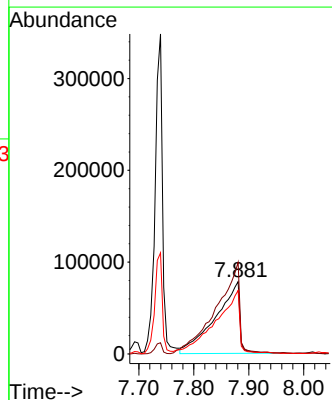
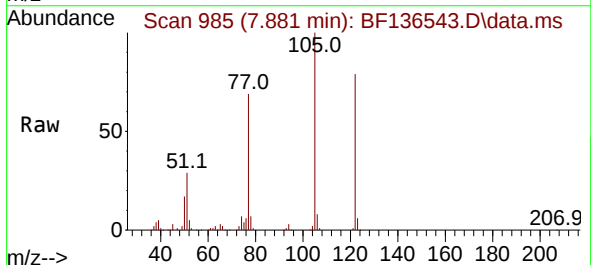
Manual Integrations
APPROVED

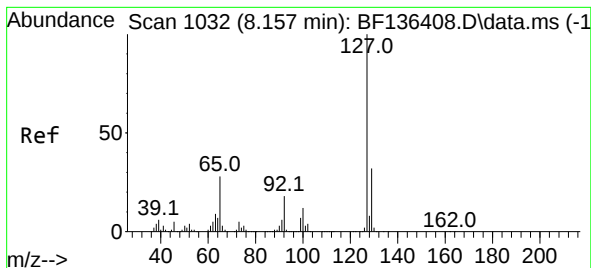
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#32
Benzoic acid
Concen: 40.618 ng
RT: 7.881 min Scan# 985
Delta R.T. 0.012 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Tgt Ion:122 Resp: 239276
Ion Ratio Lower Upper
122 100
105 126.8 104.7 144.7
77 87.8 68.5 108.5





#33
4-Chloroaniline
Concen: 26.172 ng
RT: 8.151 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Instrument :

BNA_F

ClientSampleId :

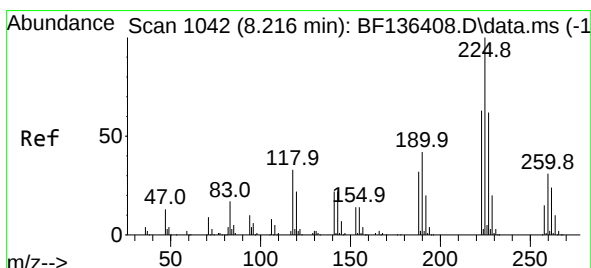
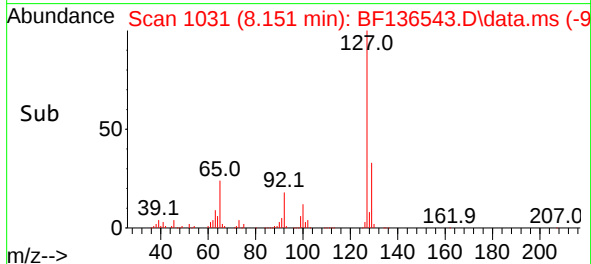
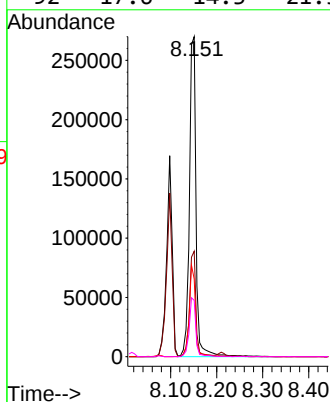
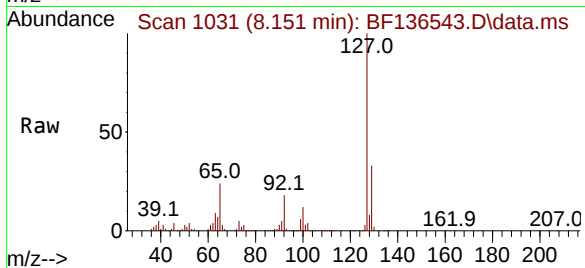
PB157609BS

Tgt Ion:127 Resp: 270870
Ion Ratio Lower Upper
127 100
129 33.0 25.4 38.2
65 24.3 22.5 33.7
92 17.6 14.3 21.5

Manual Integrations

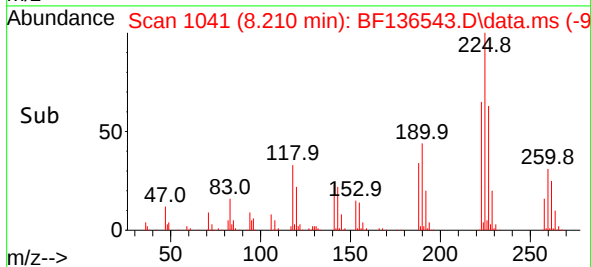
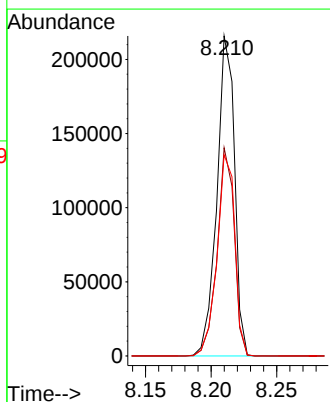
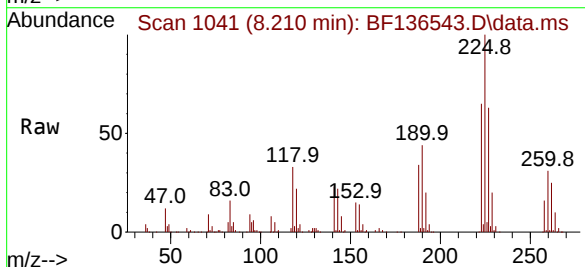
APPROVED

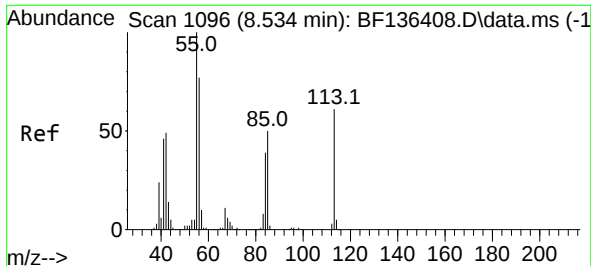
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#34
Hexachlorobutadiene
Concen: 37.077 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

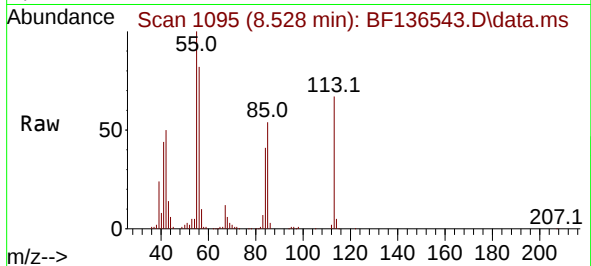
Tgt Ion:225 Resp: 200835
Ion Ratio Lower Upper
225 100
223 65.1 50.8 76.2
227 62.9 49.8 74.8





#35
Caprolactam
Concen: 41.817 ng m
RT: 8.528 min Scan# 1095
Delta R.T. -0.006 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

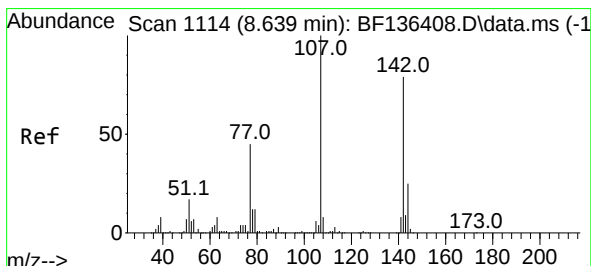
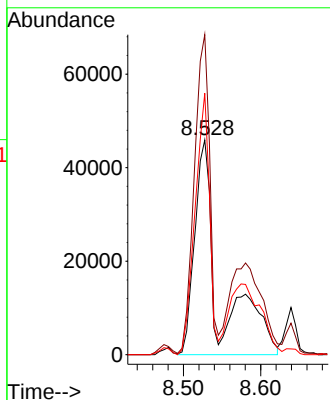
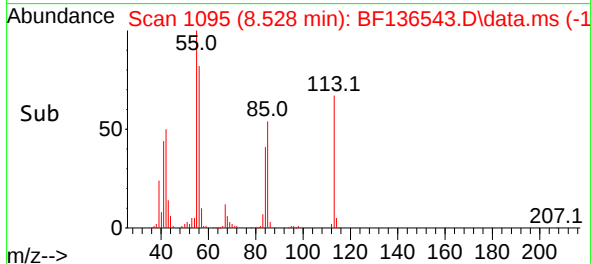
Instrument :
BNA_F
ClientSampleId :
PB157609BS



Tgt Ion:113 Resp: 100938
Ion Ratio Lower Upper
113 100
55 149.1 143.7 183.7
56 121.8 105.2 145.2

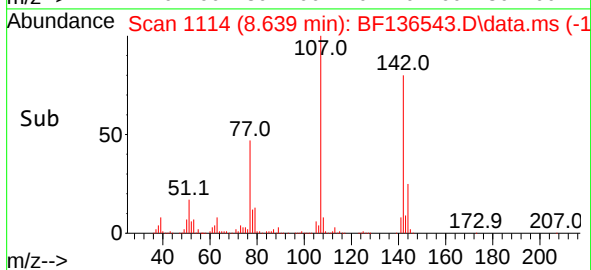
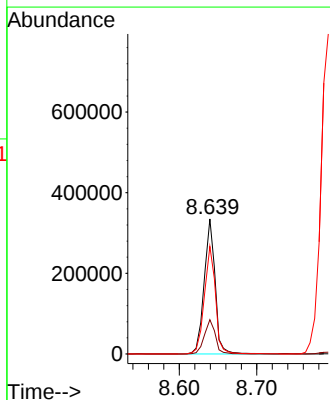
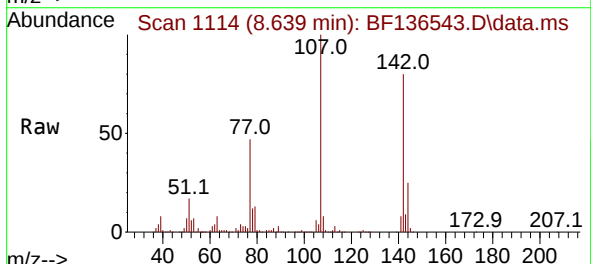
Manual Integrations
APPROVED

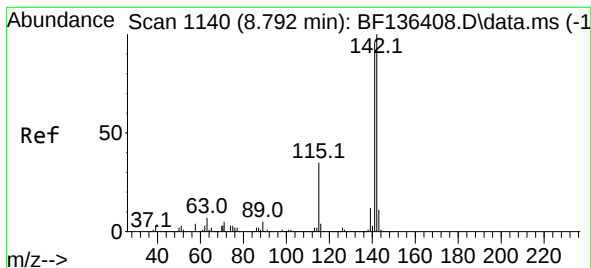
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#36
4-Chloro-3-methylphenol
Concen: 39.415 ng
RT: 8.639 min Scan# 1114
Delta R.T. -0.000 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Tgt Ion:107 Resp: 328027
Ion Ratio Lower Upper
107 100
144 25.4 20.1 30.1
142 79.7 63.1 94.7





#37

2-Methylnaphthalene

Concen: 38.711 ng

RT: 8.792 min Scan# 1140

Delta R.T. -0.000 min

Lab File: BF136543.D

Acq: 13 Dec 2023 18:05

Instrument :

BNA_F

ClientSampleId :

PB157609BS

Tgt Ion:142 Resp: 714940

Ion Ratio Lower Upper

142 100

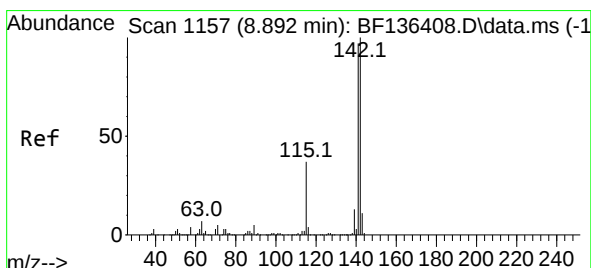
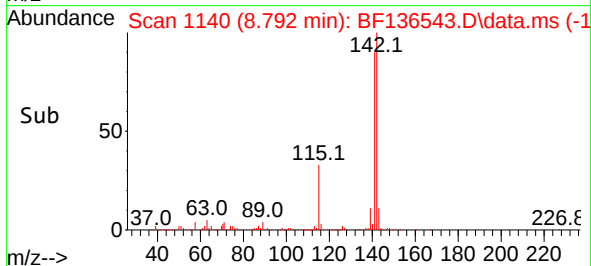
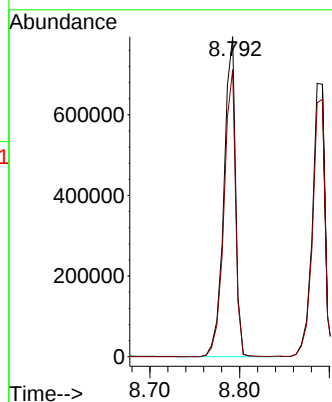
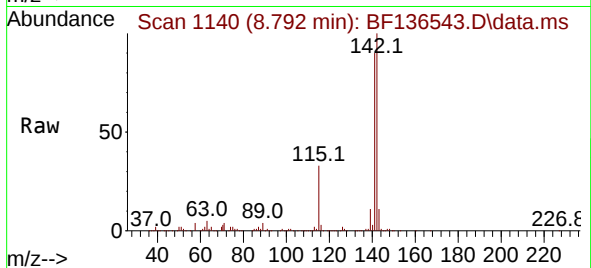
141 89.7 76.4 114.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#38

1-Methylnaphthalene

Concen: 36.417 ng

RT: 8.886 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BF136543.D

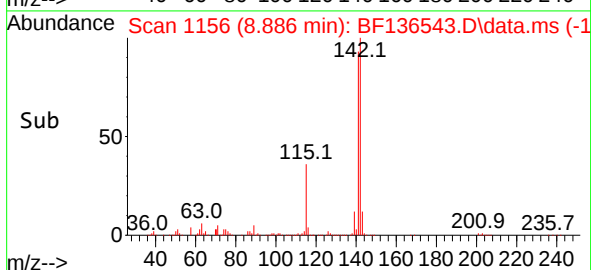
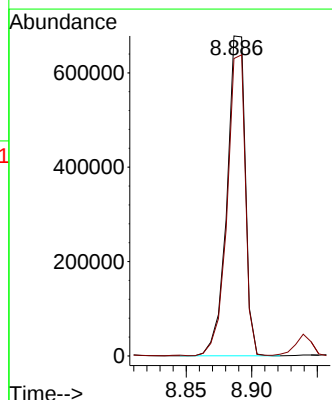
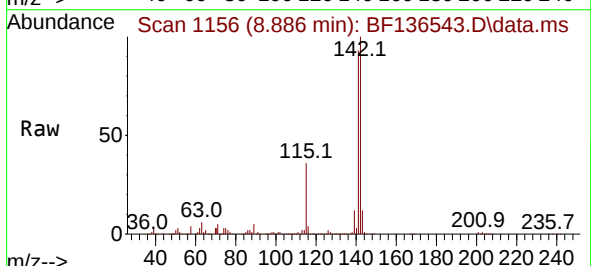
Acq: 13 Dec 2023 18:05

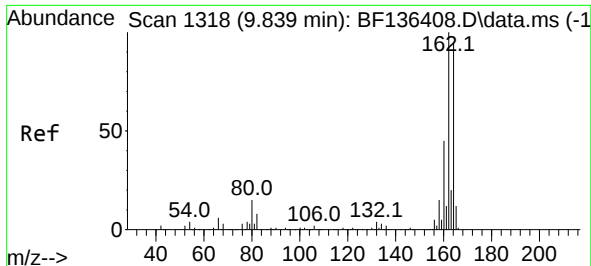
Tgt Ion:142 Resp: 659978

Ion Ratio Lower Upper

142 100

141 93.0 77.7 116.5





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1167
Delta R.T. -0.006 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Instrument :

BNA_F

ClientSampleId :

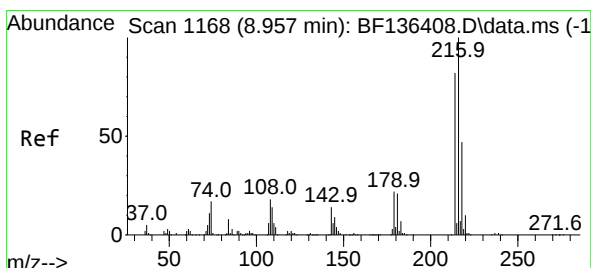
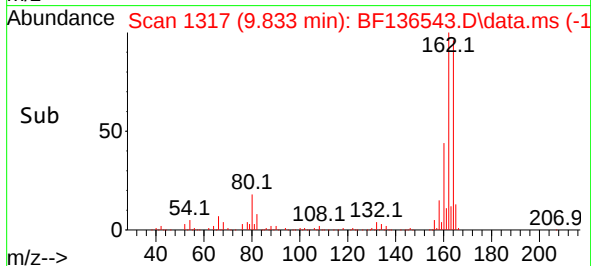
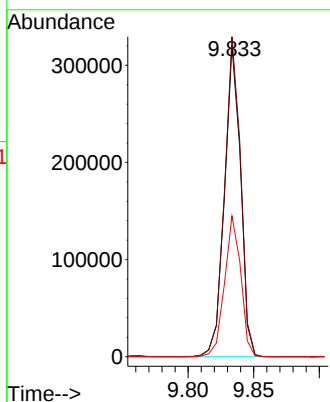
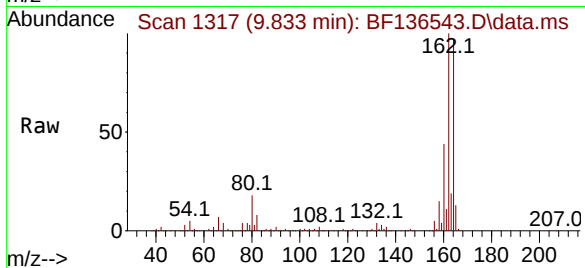
PB157609BS

Tgt Ion:164 Resp: 27253
Ion Ratio Lower Upper
164 100
162 102.9 84.4 126.6
160 45.2 37.6 56.4

Manual Integrations

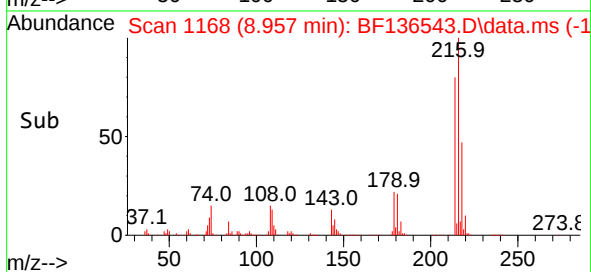
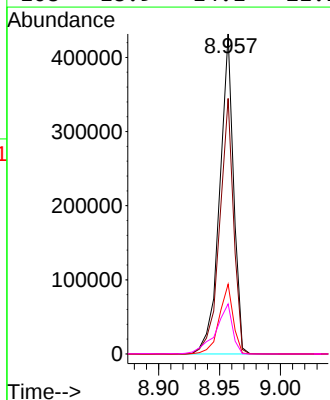
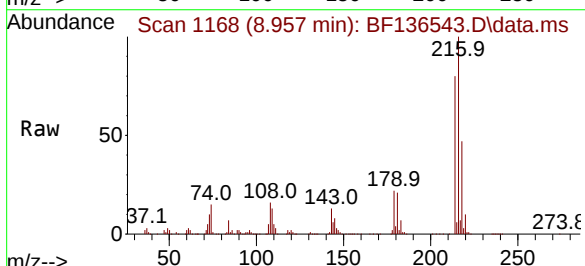
APPROVED

Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#40
1,2,4,5-Tetrachlorobenzene
Concen: 40.595 ng
RT: 8.957 min Scan# 1168
Delta R.T. -0.000 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

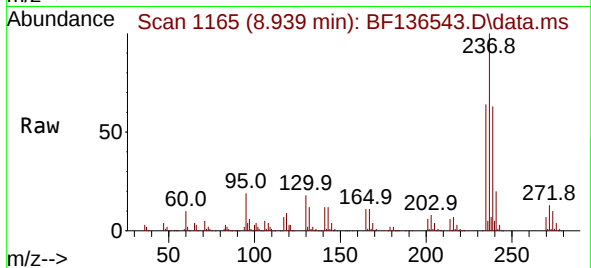
Tgt Ion:216 Resp: 344195
Ion Ratio Lower Upper
216 100
214 79.5 64.1 96.1
179 21.6 17.0 25.6
108 18.9 14.1 21.1





#41
Hexachlorocyclopentadiene
Concen: 110.403 ng
RT: 8.939 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

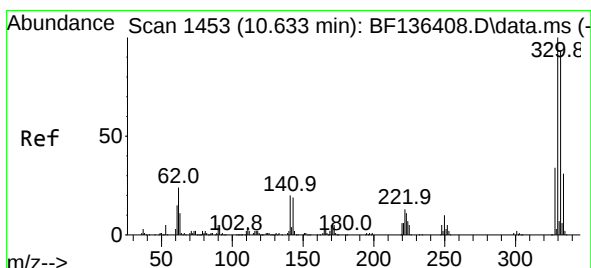
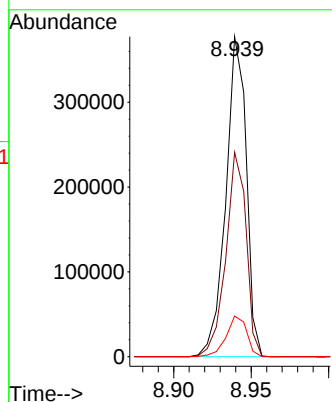
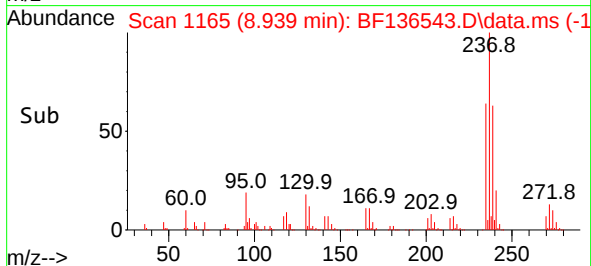
Instrument :
BNA_F
ClientSampleId :
PB157609BS



Tgt Ion:237 Resp: 346790
Ion Ratio Lower Upper
237 100
235 63.9 44.1 84.1
272 12.7 0.0 33.3

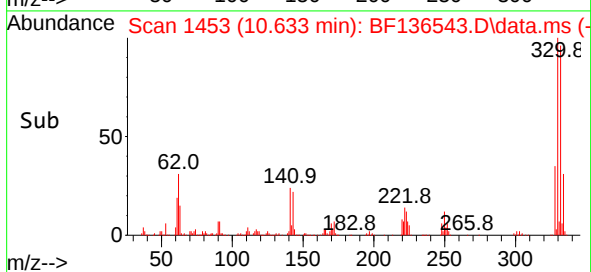
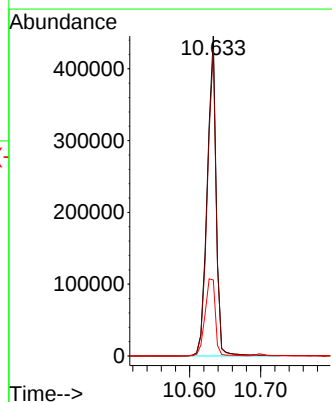
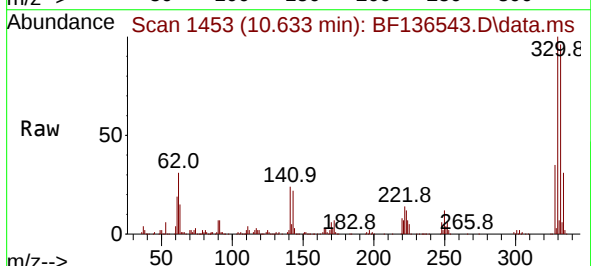
Manual Integrations
APPROVED

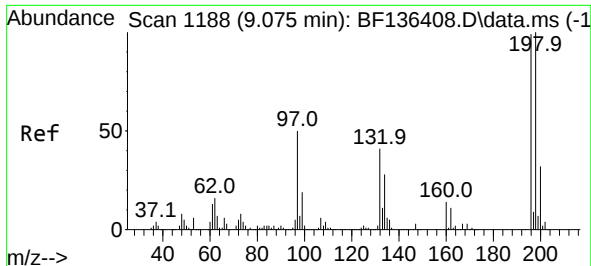
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#42
2,4,6-Tribromophenol
Concen: 116.364 ng
RT: 10.633 min Scan# 1453
Delta R.T. -0.000 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

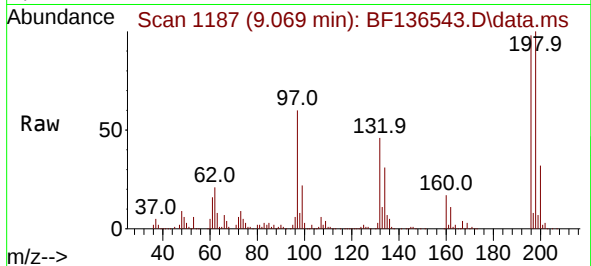
Tgt Ion:330 Resp: 391021
Ion Ratio Lower Upper
330 100
332 95.8 76.4 114.6
141 28.0 23.4 35.2





#43
2,4,6-Trichlorophenol
Concen: 40.496 ng
RT: 9.069 min Scan# 1187
Delta R.T. -0.006 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

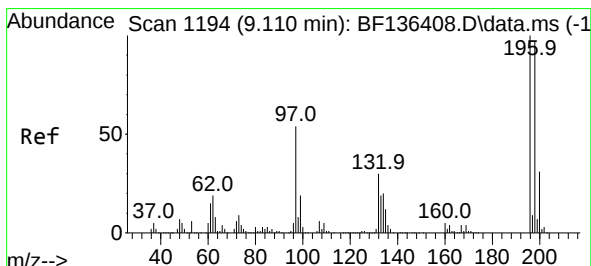
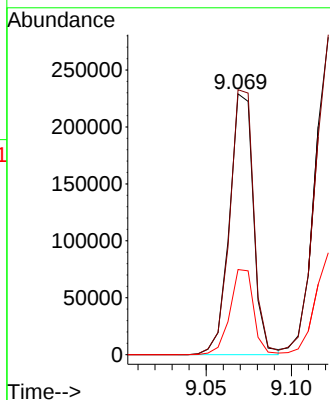
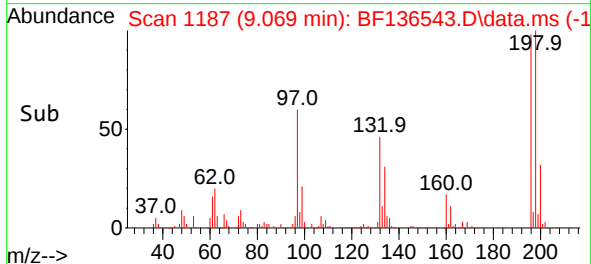
Instrument :
BNA_F
ClientSampleId :
PB157609BS



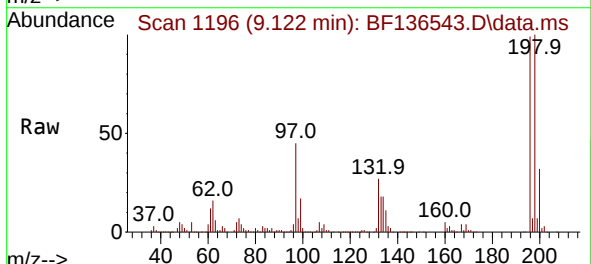
Tgt Ion:196 Resp: 22357
Ion Ratio Lower Upper
196 100
198 101.6 80.4 120.6
200 32.6 25.9 38.9

Manual Integrations
APPROVED

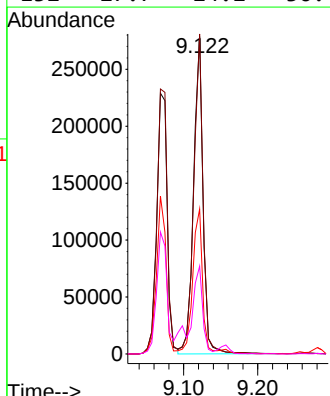
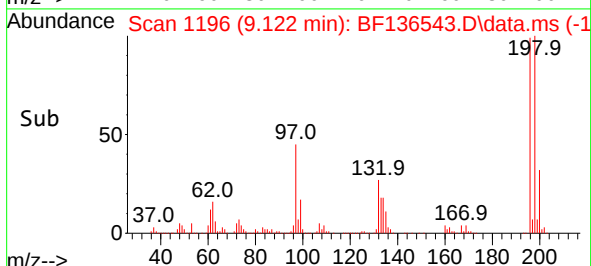
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

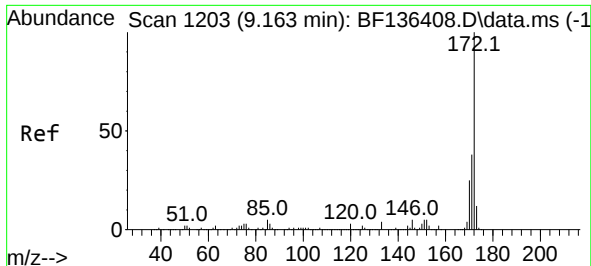


#44
2,4,5-Trichlorophenol
Concen: 39.997 ng
RT: 9.122 min Scan# 1196
Delta R.T. 0.012 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05



Tgt Ion:196 Resp: 246450
Ion Ratio Lower Upper
196 100
198 100.8 78.1 117.1
97 45.6 43.4 65.2
132 27.7 24.2 36.4





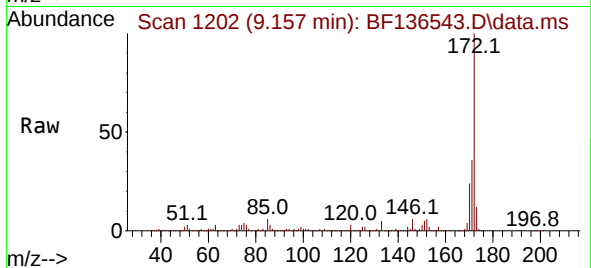
#45
2-Fluorobiphenyl
Concen: 74.976 ng
RT: 9.157 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Instrument :

BNA_F

ClientSampleId :

PB157609BS

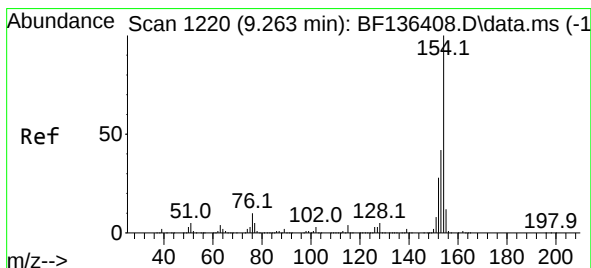
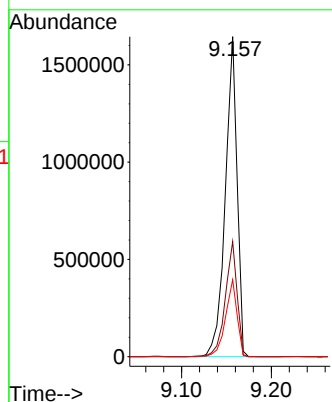
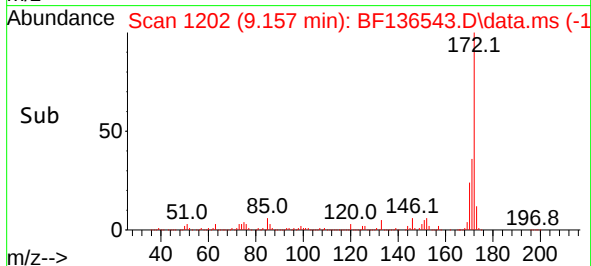


Tgt Ion:172 Resp: 1497489
Ion Ratio Lower Upper
172 100
171 36.0 30.5 45.7
170 24.0 19.9 29.9

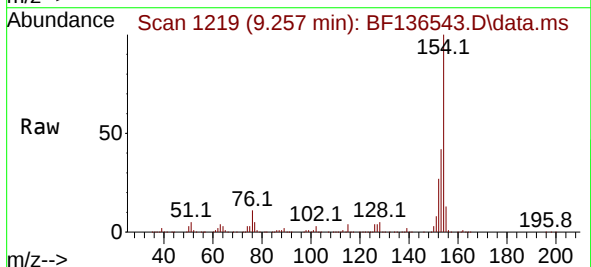
Manual Integrations

APPROVED

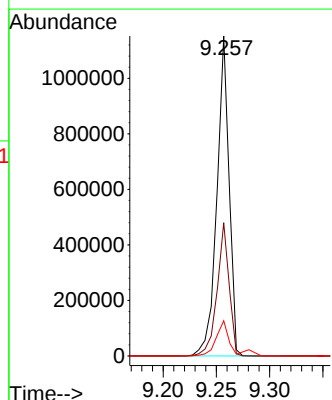
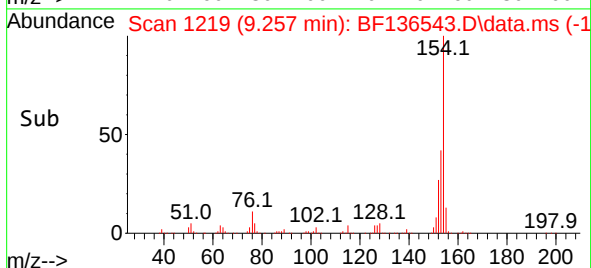
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#46
1,1'-Biphenyl
Concen: 39.446 ng
RT: 9.257 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05



Tgt Ion:154 Resp: 914744
Ion Ratio Lower Upper
154 100
153 41.7 22.5 62.5
76 11.0 0.0 29.9





#47
2-Chloronaphthalene
Concen: 37.975 ng
RT: 9.280 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Instrument :

BNA_F

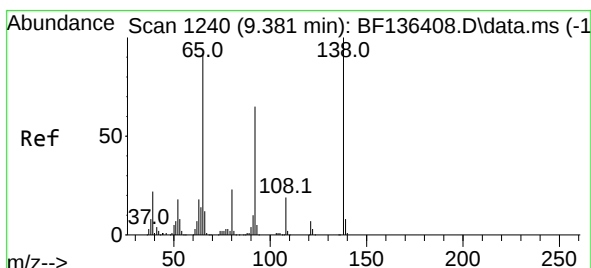
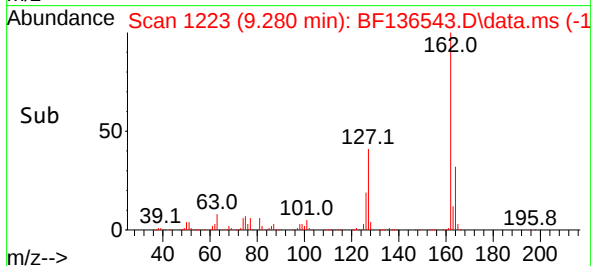
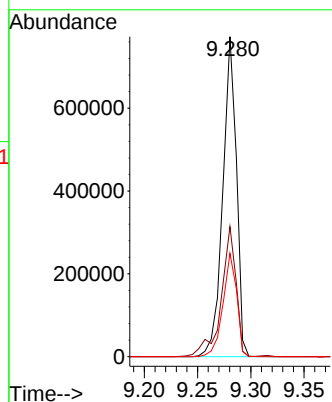
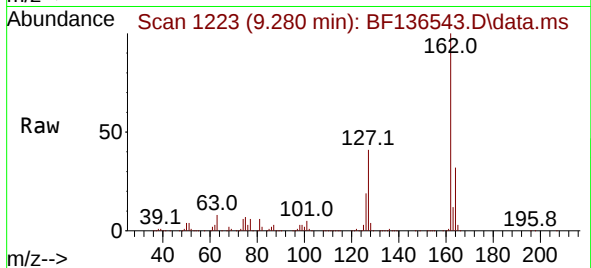
ClientSampleId :

PB157609BS

Tgt Ion:162 Resp: 68541
Ion Ratio Lower Upper
162 100
127 40.7 31.1 46.7
164 32.3 24.6 37.0

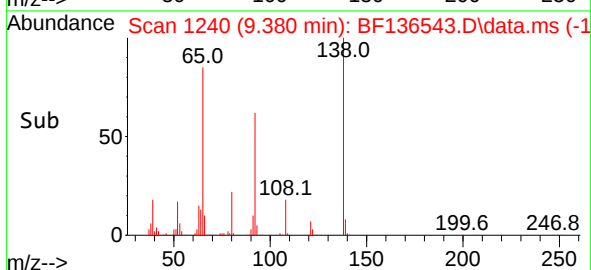
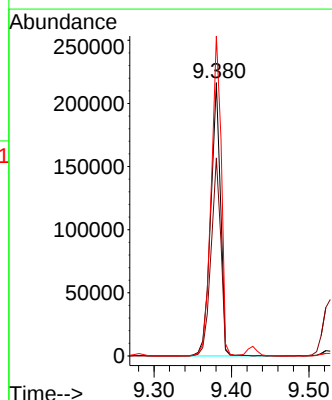
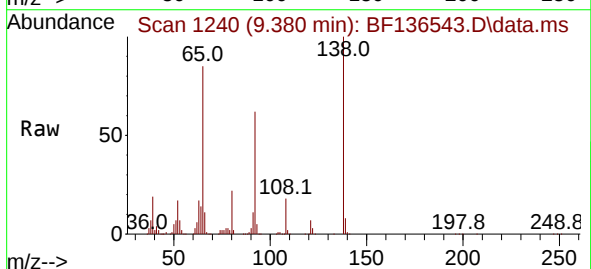
Manual Integrations
APPROVED

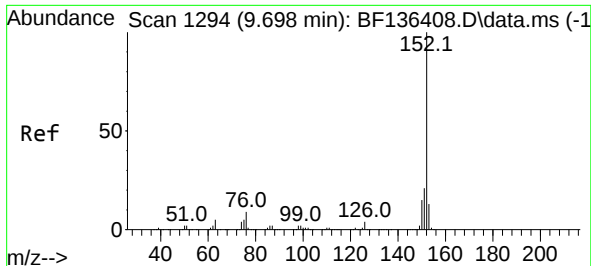
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#48
2-Nitroaniline
Concen: 39.524 ng
RT: 9.380 min Scan# 1240
Delta R.T. -0.000 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Tgt Ion: 65 Resp: 191326
Ion Ratio Lower Upper
65 100
92 72.5 56.1 84.1
138 117.1 86.7 130.1





#49

Acenaphthylene

Concen: 39.764 ng

RT: 9.698 min Scan# 1294

Delta R.T. -0.000 min

Lab File: BF136543.D

Acq: 13 Dec 2023 18:05

Instrument :

BNA_F

ClientSampleId :

PB157609BS

Tgt Ion:152 Resp: 102238

Ion Ratio Lower Upper

152 100

151 20.8 17.2 25.8

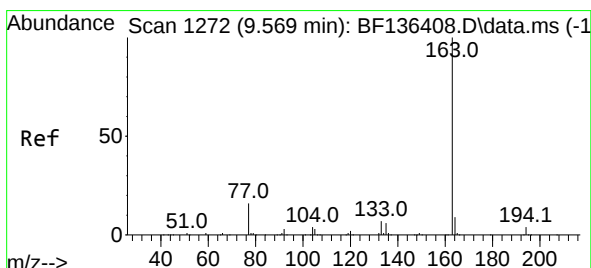
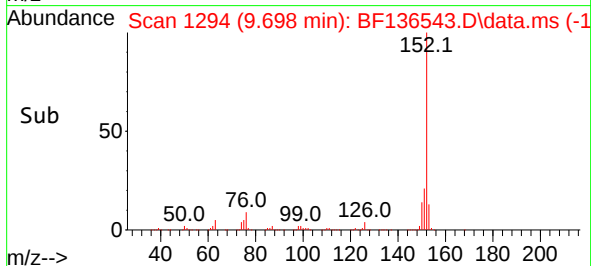
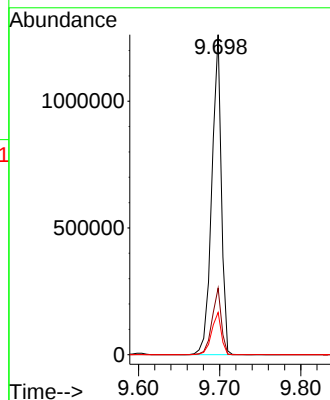
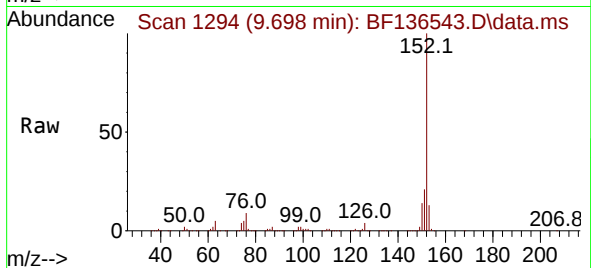
153 13.2 10.6 15.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#50

Dimethylphthalate

Concen: 40.559 ng

RT: 9.563 min Scan# 1271

Delta R.T. -0.006 min

Lab File: BF136543.D

Acq: 13 Dec 2023 18:05

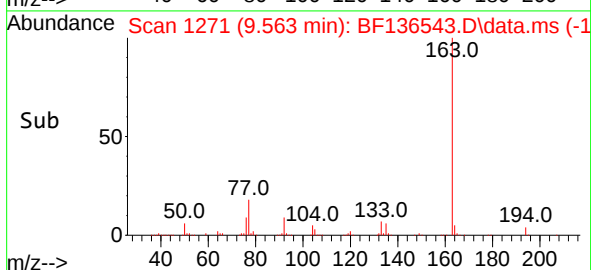
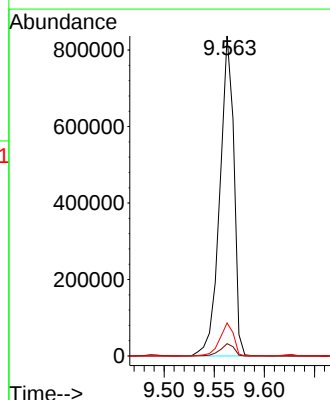
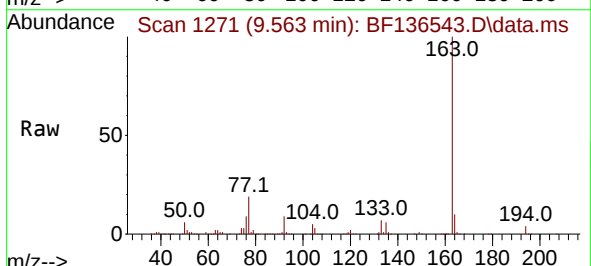
Tgt Ion:163 Resp: 813800

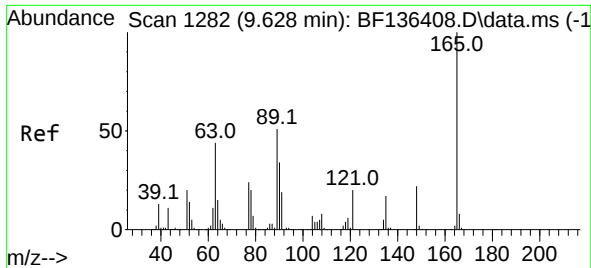
Ion Ratio Lower Upper

163 100

194 3.9 3.0 4.6

164 10.3 7.4 11.2





#51

2,6-Dinitrotoluene

Concen: 39.552 ng

RT: 9.627 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF136543.D

Acq: 13 Dec 2023 18:05

Instrument :

BNA_F

ClientSampleId :

PB157609BS

Tgt Ion:165 Resp: 178538

Ion Ratio Lower Upper

165 100

63 44.7 40.4 60.6

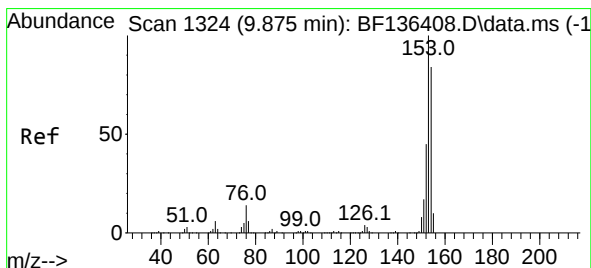
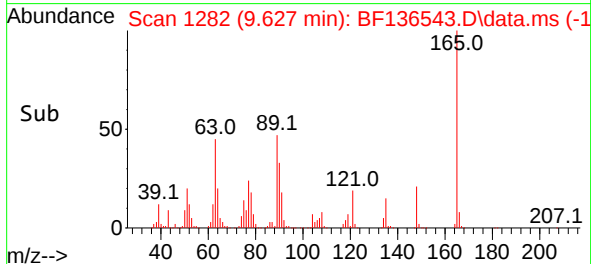
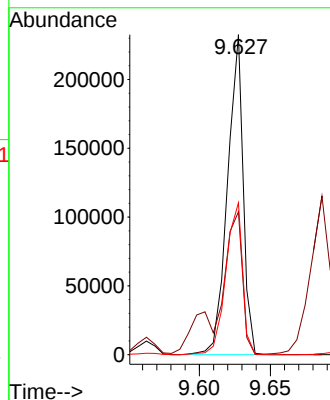
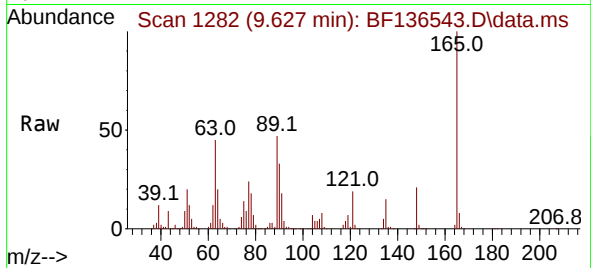
89 47.4 40.6 60.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#52

Acenaphthene

Concen: 38.803 ng

RT: 9.869 min Scan# 1323

Delta R.T. -0.006 min

Lab File: BF136543.D

Acq: 13 Dec 2023 18:05

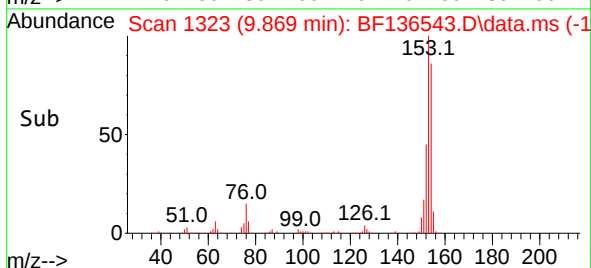
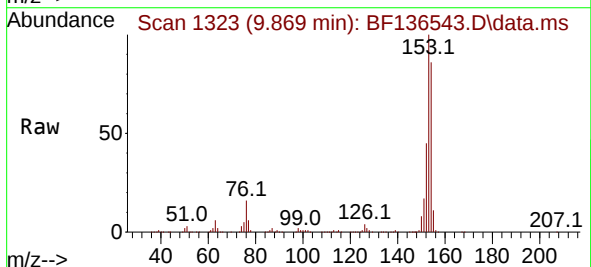
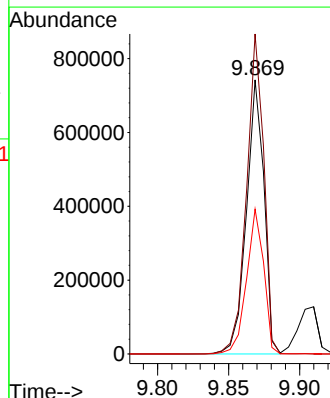
Tgt Ion:154 Resp: 639322

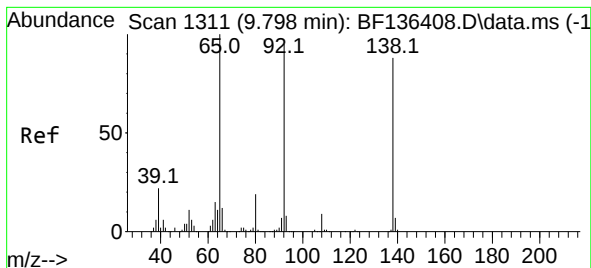
Ion Ratio Lower Upper

154 100

153 116.7 95.3 142.9

152 52.8 43.2 64.8





#53

3-Nitroaniline

Concen: 31.570 ng

RT: 9.792 min Scan# 11

Delta R.T. -0.006 min

Lab File: BF136543.D

Acq: 13 Dec 2023 18:05

Instrument :

BNA_F

ClientSampleId :

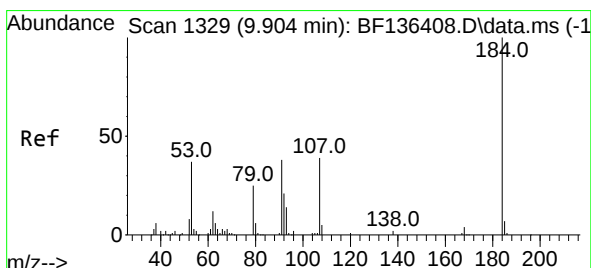
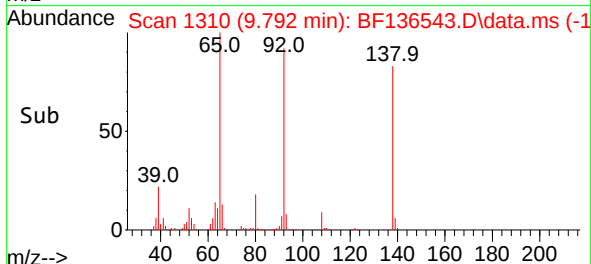
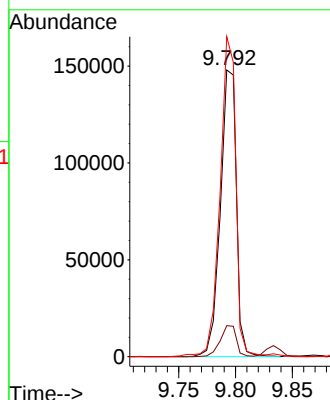
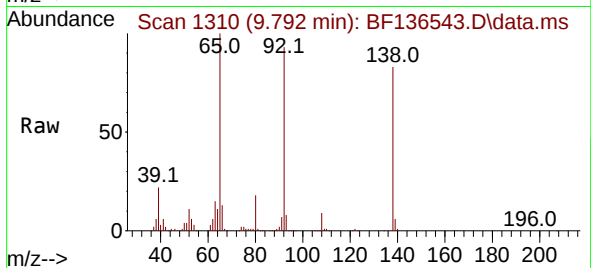
PB157609BS

Tgt Ion:138 Resp: 145529
 Ion Ratio Lower Upper
 138 100
 108 10.8 8.5 12.7
 92 111.6 86.1 129.1

Manual Integrations

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Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/14/2023



#54

2,4-Dinitrophenol

Concen: 86.100 ng

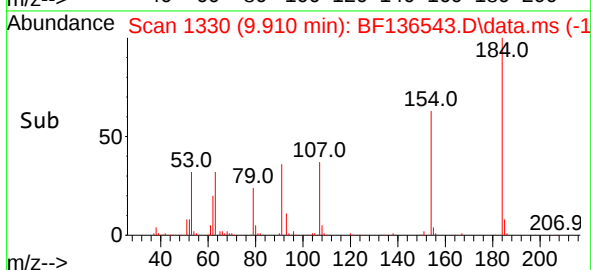
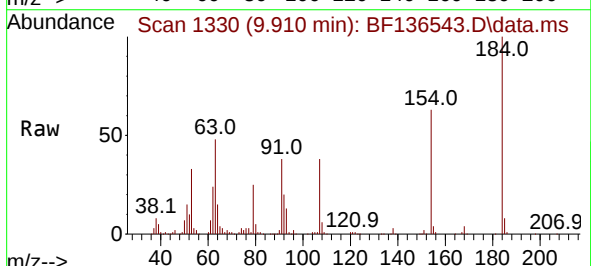
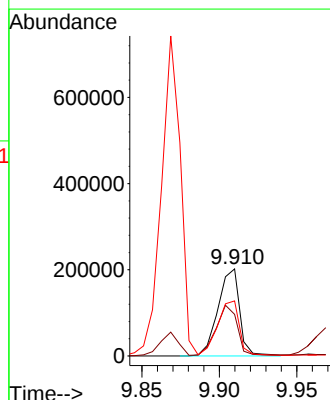
RT: 9.910 min Scan# 1330

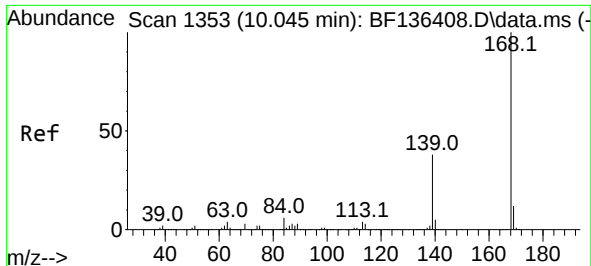
Delta R.T. 0.006 min

Lab File: BF136543.D

Acq: 13 Dec 2023 18:05

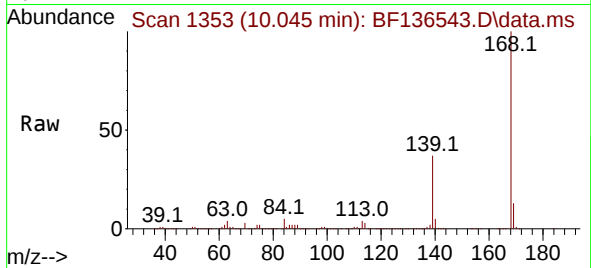
Tgt Ion:184 Resp: 196504
 Ion Ratio Lower Upper
 184 100
 63 47.7 39.1 58.7
 154 63.2 49.9 74.9





#55
Dibenzenofuran
Concen: 39.629 ng
RT: 10.045 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

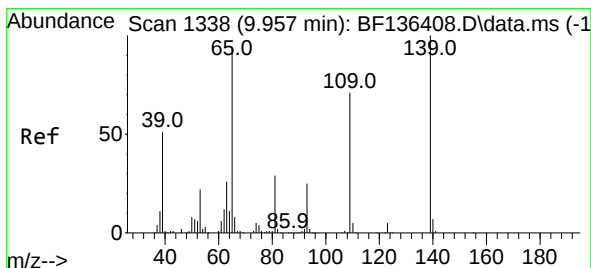
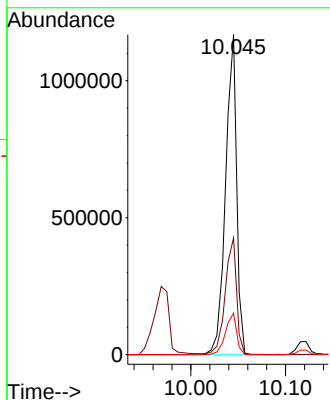
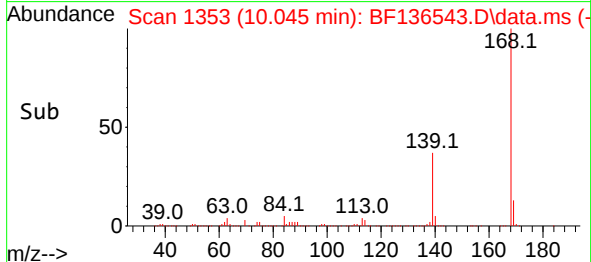
Instrument :
BNA_F
ClientSampleId :
PB157609BS



Tgt Ion:168 Resp: 95384
Ion Ratio Lower Upper
168 100
139 36.5 30.4 45.6
169 12.9 9.9 14.9

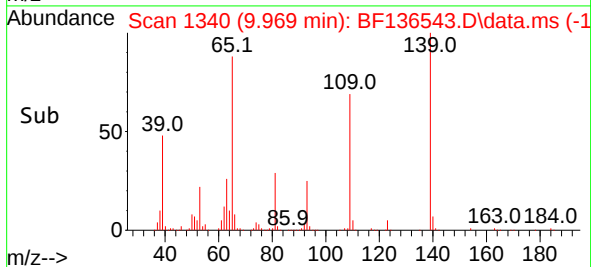
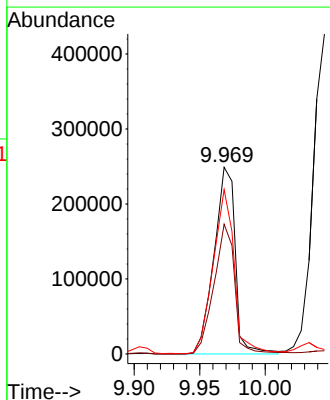
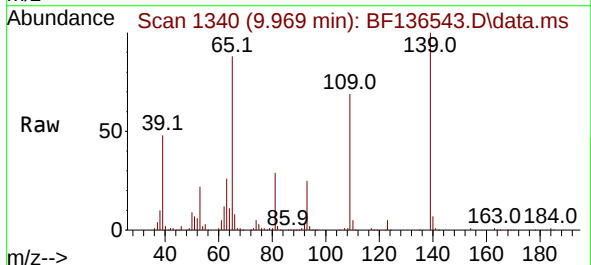
Manual Integrations
APPROVED

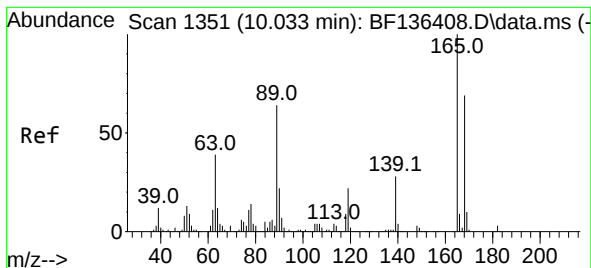
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#56
4-Nitrophenol
Concen: 80.912 ng
RT: 9.969 min Scan# 1340
Delta R.T. 0.012 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Tgt Ion:139 Resp: 279593
Ion Ratio Lower Upper
139 100
109 69.5 50.6 90.6
65 88.0 73.1 113.1





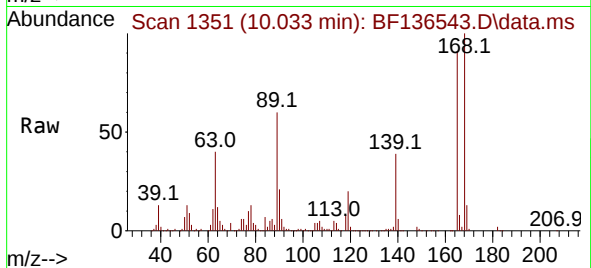
#57
2,4-Dinitrotoluene
Concen: 39.855 ng
RT: 10.033 min Scan# 1351
Delta R.T. -0.000 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Instrument :

BNA_F

ClientSampleId :

PB157609BS

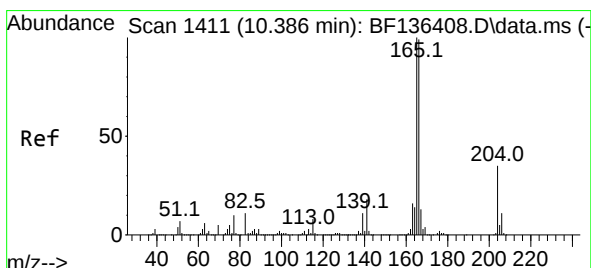
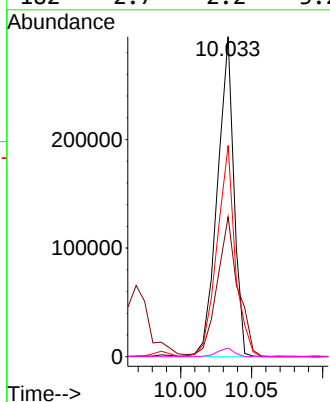
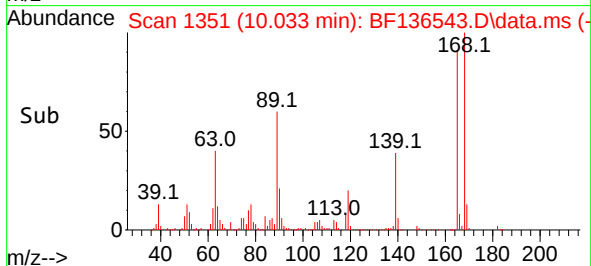


Tgt Ion:165 Resp: 237999
Ion Ratio Lower Upper
165 100
63 43.7 31.4 47.2
89 66.0 51.7 77.5
182 2.7 2.2 3.2

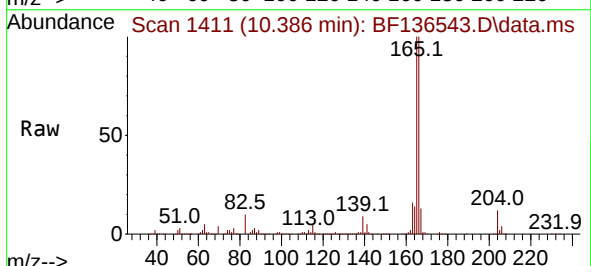
Manual Integrations

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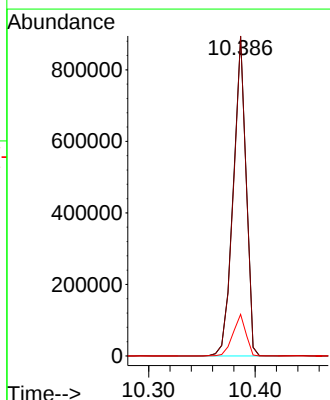
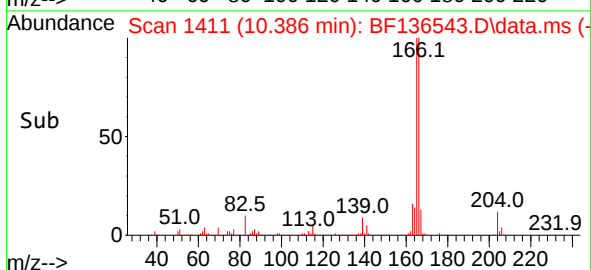
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

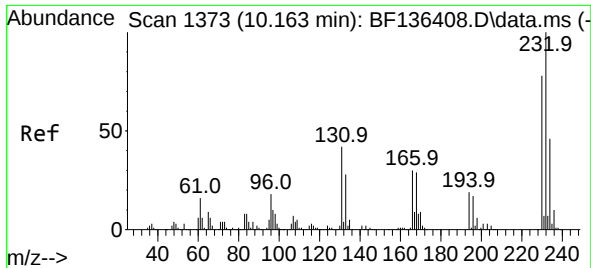


#58
Fluorene
Concen: 38.731 ng
RT: 10.386 min Scan# 1411
Delta R.T. -0.000 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05



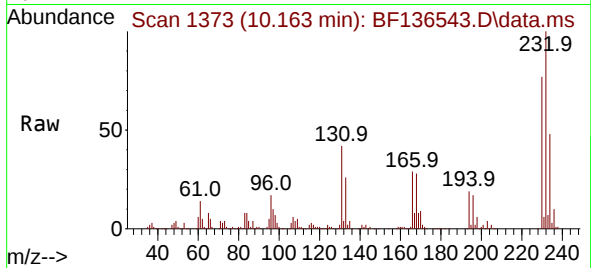
Tgt Ion:166 Resp: 748334
Ion Ratio Lower Upper
166 100
165 100.1 80.5 120.7
167 13.0 10.5 15.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 42.364 ng
RT: 10.163 min Scan# 1373
Delta R.T. -0.000 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

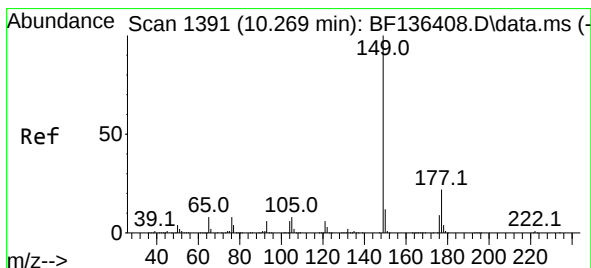
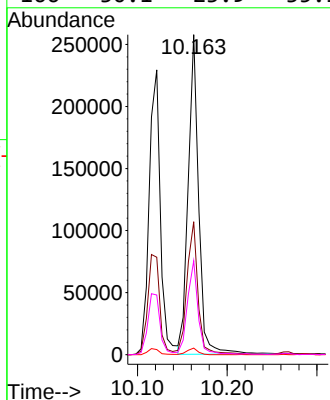
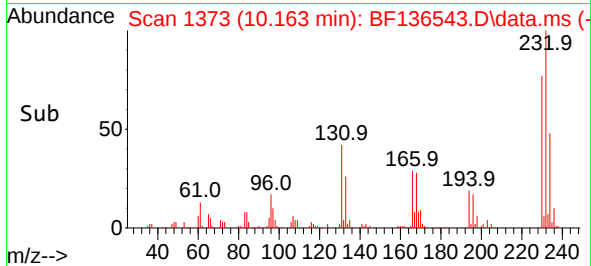
Instrument :
BNA_F
ClientSampleId :
PB157609BS



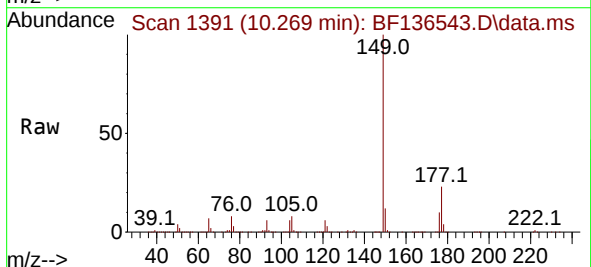
Tgt Ion:232 Resp: 209091
Ion Ratio Lower Upper
232 100
131 43.6 34.3 51.5
130 2.1 1.6 2.4
166 30.1 23.9 35.9

Manual Integrations
APPROVED

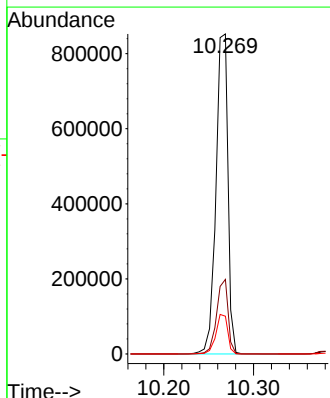
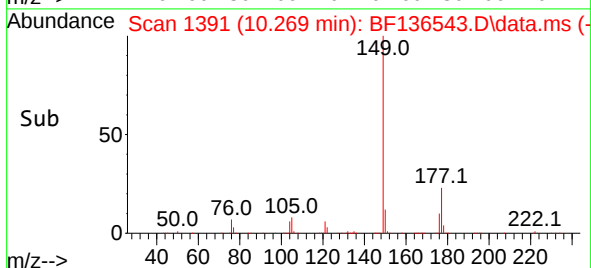
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

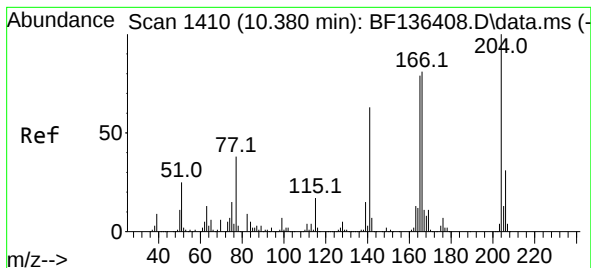


#60
Diethylphthalate
Concen: 40.034 ng
RT: 10.269 min Scan# 1391
Delta R.T. -0.000 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05



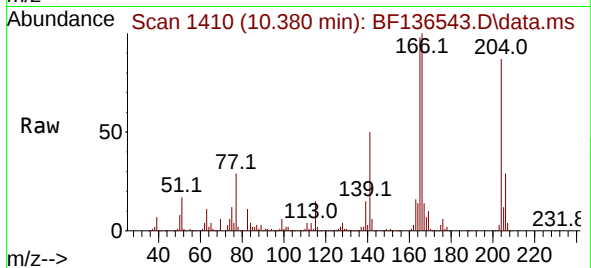
Tgt Ion:149 Resp: 789877
Ion Ratio Lower Upper
149 100
177 23.3 17.8 26.8
150 11.8 9.4 14.0





#61
4-Chlorophenyl-phenylether
Concen: 39.736 ng
RT: 10.380 min Scan# 1410
Delta R.T. -0.000 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

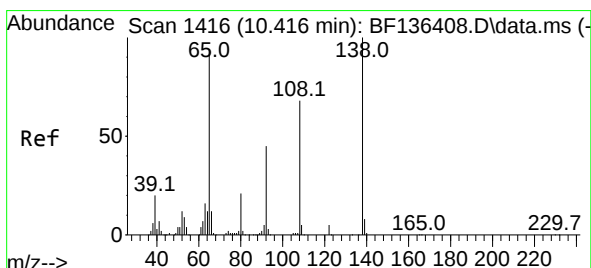
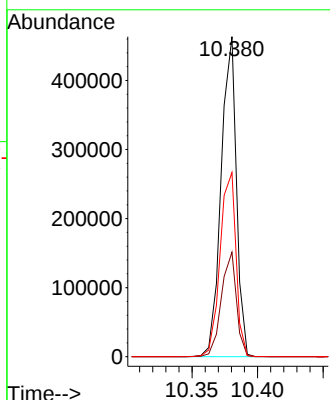
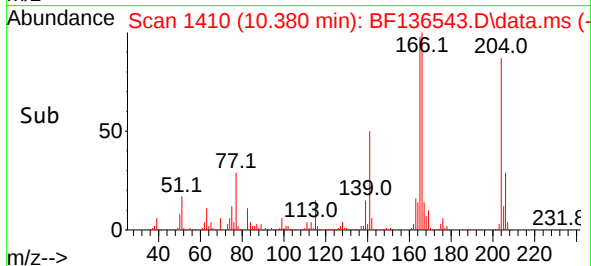
Instrument :
BNA_F
ClientSampleId :
PB157609BS



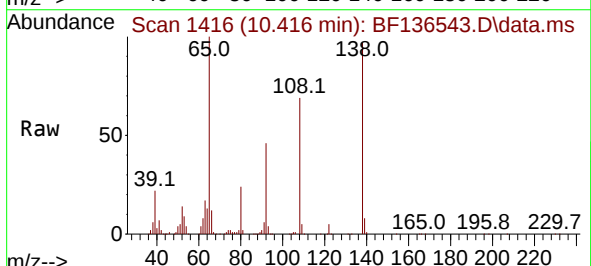
Tgt Ion:204 Resp: 37426
Ion Ratio Lower Upper
204 100
206 32.6 24.6 36.8
141 57.5 50.3 75.5

Manual Integrations
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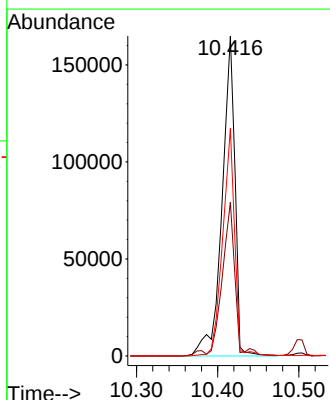
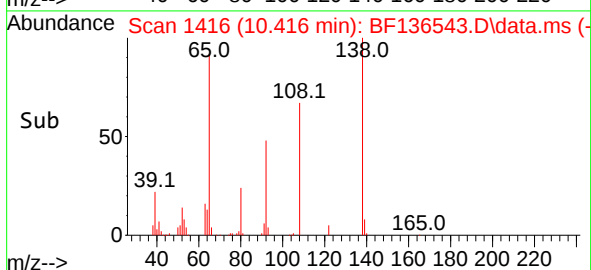
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

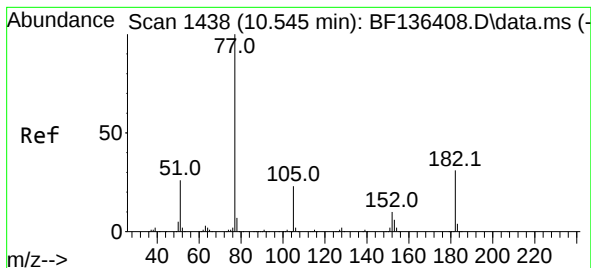


#62
4-Nitroaniline
Concen: 39.828 ng
RT: 10.416 min Scan# 1416
Delta R.T. -0.000 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05



Tgt Ion:138 Resp: 182294
Ion Ratio Lower Upper
138 100
92 48.0 25.0 65.0
108 71.1 47.9 87.9





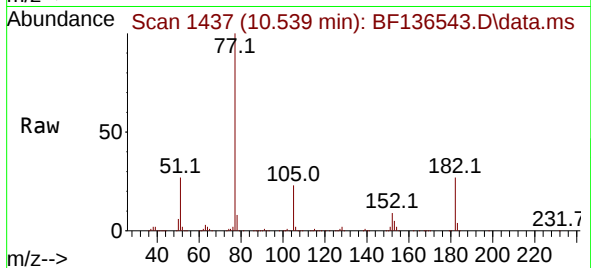
#63
Azobenzene
Concen: 38.579 ng
RT: 10.539 min Scan# 1437
Delta R.T. -0.006 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Instrument :

BNA_F

ClientSampleId :

PB157609BS

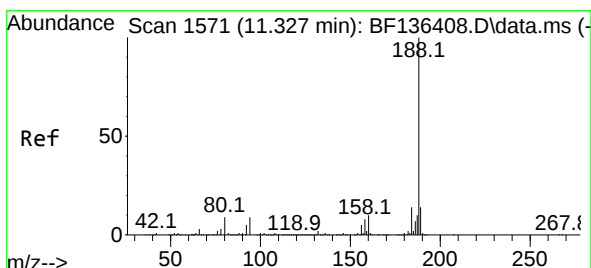
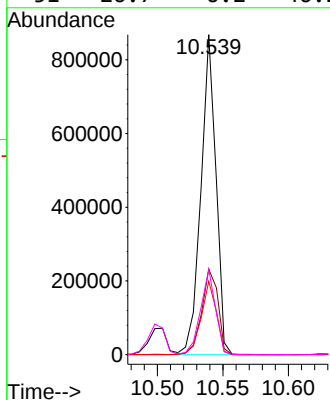
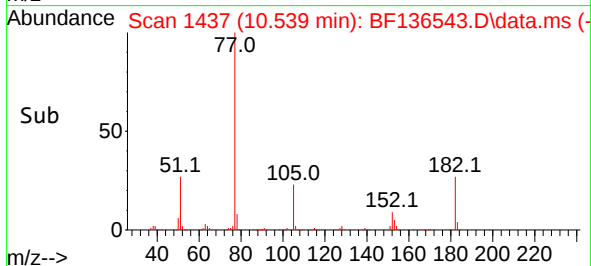


Tgt Ion: 77 Resp: 692819
Ion Ratio Lower Upper
77 100
182 26.7 10.8 50.8
105 22.9 2.6 42.6
51 26.7 6.2 46.2

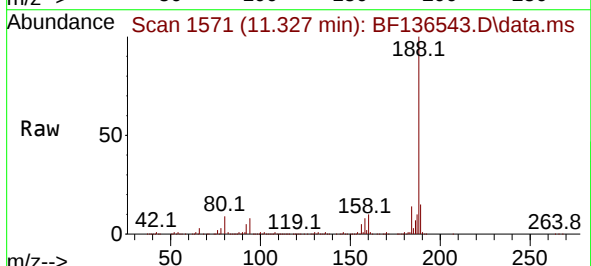
Manual Integrations

APPROVED

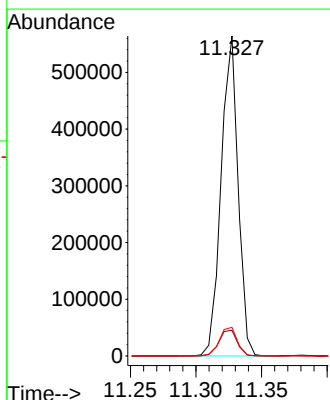
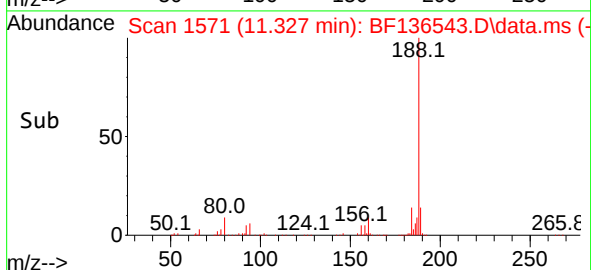
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

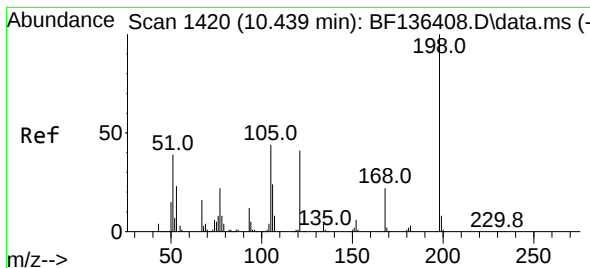


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1571
Delta R.T. -0.000 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05



Tgt Ion:188 Resp: 506172
Ion Ratio Lower Upper
188 100
94 8.0 7.2 10.8
80 9.0 7.2 10.8





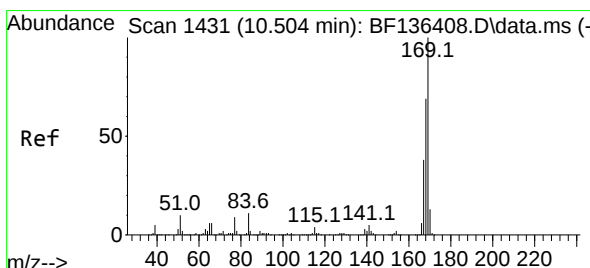
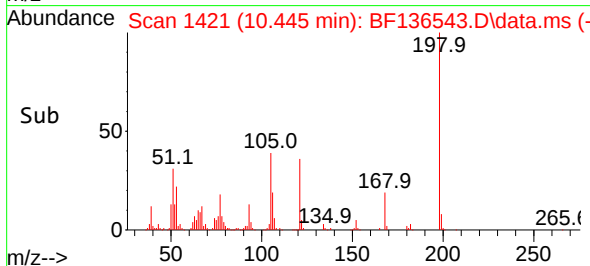
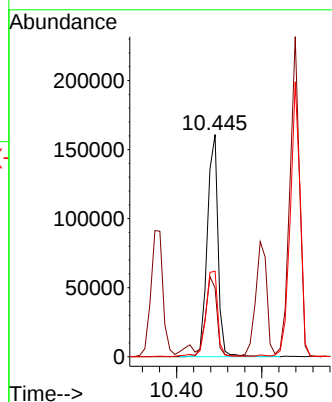
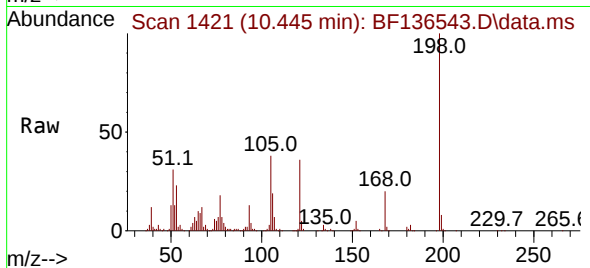
#65
4,6-Dinitro-2-methylphenol
Concen: 44.694 ng
RT: 10.445 min Scan# 1420
Delta R.T. 0.006 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Instrument :
BNA_F
ClientSampleId :
PB157609BS

Tgt Ion:198 Resp: 140105
Ion Ratio Lower Upper
198 100
51 30.9 24.1 64.1
105 38.5 24.8 64.8

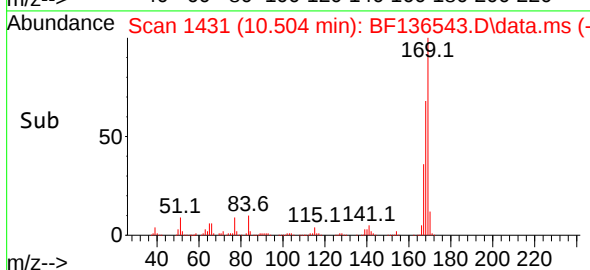
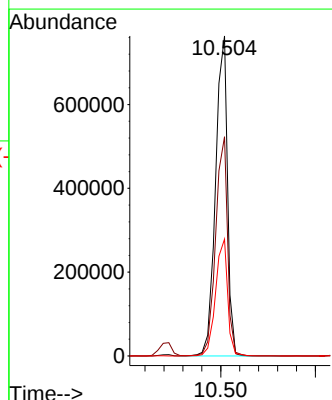
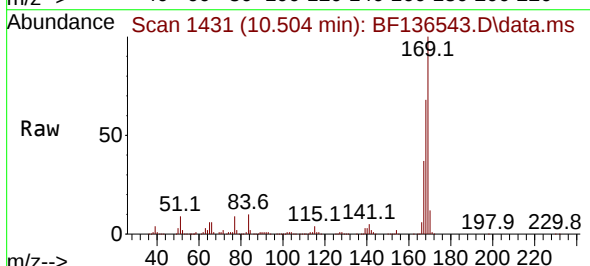
Manual Integrations
APPROVED

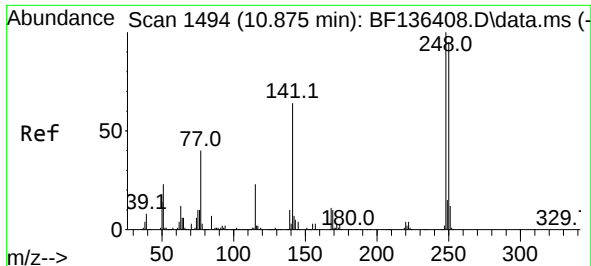
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#66
n-Nitrosodiphenylamine
Concen: 41.049 ng
RT: 10.504 min Scan# 1431
Delta R.T. -0.000 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Tgt Ion:169 Resp: 666726
Ion Ratio Lower Upper
169 100
168 68.5 55.3 82.9
167 36.5 30.1 45.1





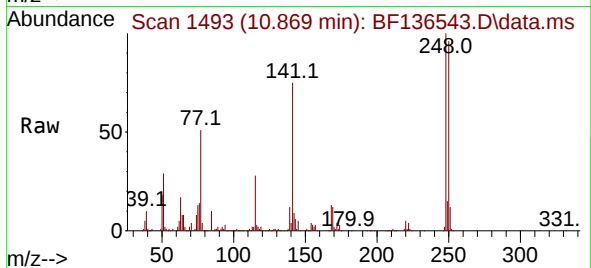
#67
4-Bromophenyl-phenylether
Concen: 40.741 ng
RT: 10.869 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Instrument :

BNA_F

ClientSampleId :

PB157609BS



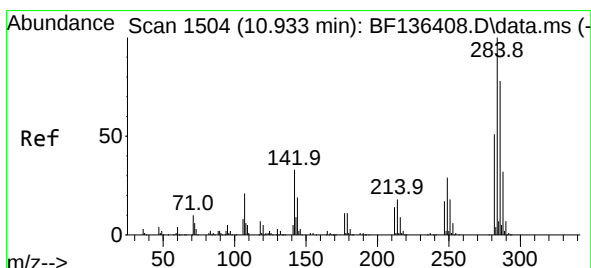
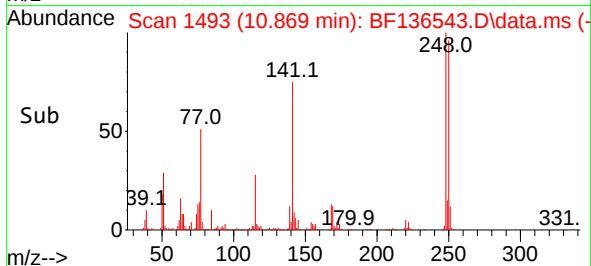
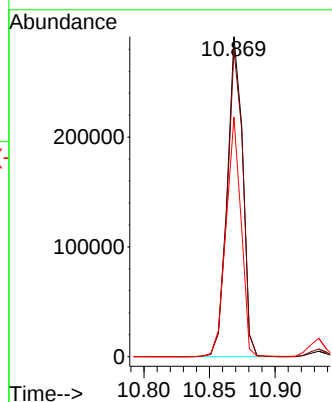
Tgt Ion:248 Resp: 239761
Ion Ratio Lower Upper
248 100
250 95.8 76.2 114.2
141 74.8 51.0 76.4

Manual Integrations

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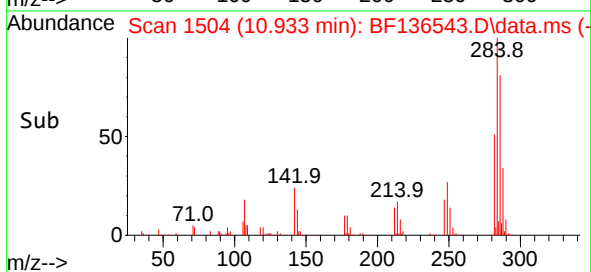
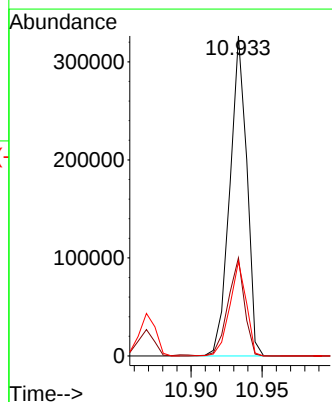
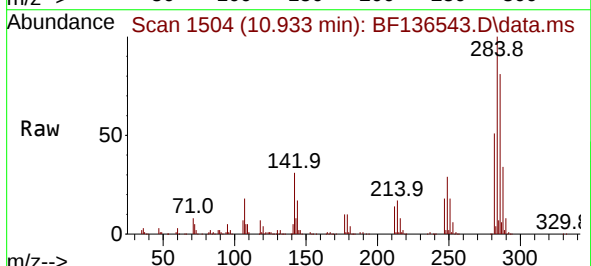
Reviewed By :Yogesh Patel 12/14/2023

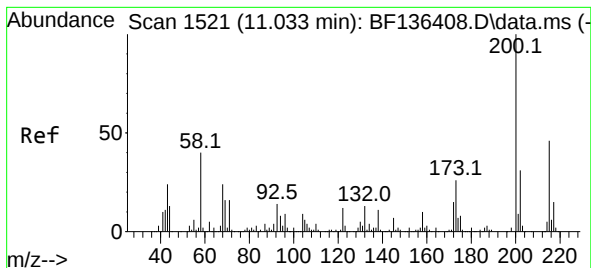
Supervised By :mohammad ahmed 12/14/2023



#68
Hexachlorobenzene
Concen: 39.887 ng
RT: 10.933 min Scan# 1504
Delta R.T. -0.000 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Tgt Ion:284 Resp: 271304
Ion Ratio Lower Upper
284 100
142 30.6 26.5 39.7
249 29.5 23.4 35.0





#69

Atrazine

Concen: 63.504 ng

RT: 11.039 min Scan# 1521

Delta R.T. 0.006 min

Lab File: BF136543.D

Acq: 13 Dec 2023 18:05

Instrument :

BNA_F

ClientSampleId :

PB157609BS

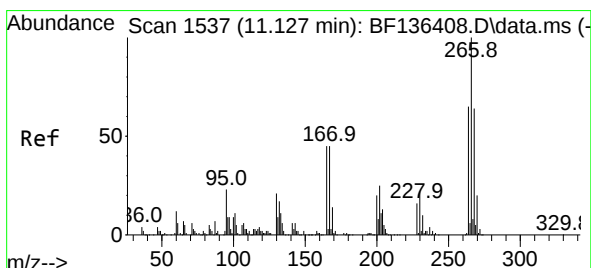
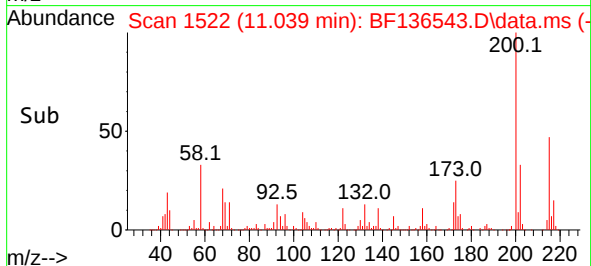
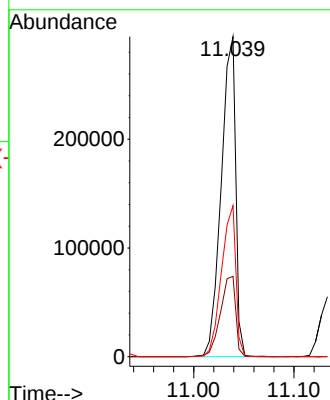
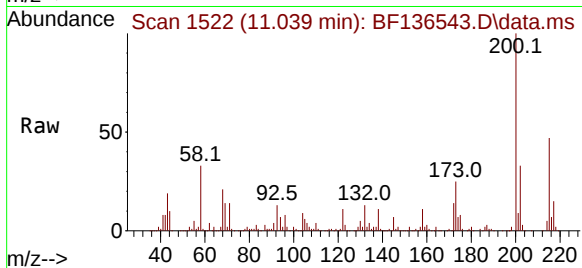
Tgt Ion:200 Resp: 29438
 Ion Ratio Lower Upper
 200 100
 173 25.1 6.0 46.0
 215 47.2 25.5 65.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#70

Pentachlorophenol

Concen: 71.577 ng

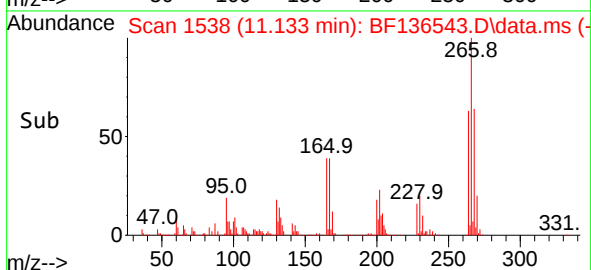
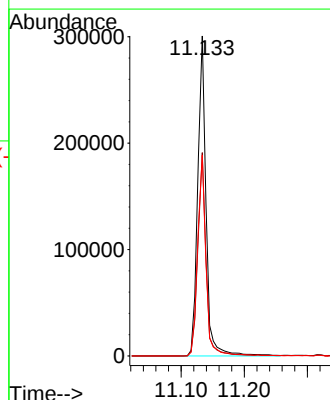
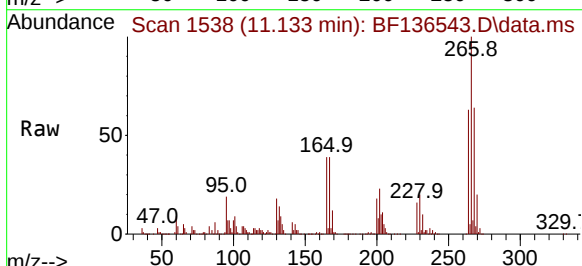
RT: 11.133 min Scan# 1538

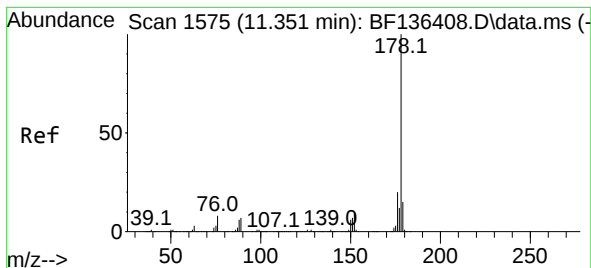
Delta R.T. 0.006 min

Lab File: BF136543.D

Acq: 13 Dec 2023 18:05

Tgt Ion:266 Resp: 274772
 Ion Ratio Lower Upper
 266 100
 268 63.5 51.0 76.6
 264 62.7 52.2 78.4





#71

Phenanthrene

Concen: 40.849 ng

RT: 11.351 min Scan# 1575

Delta R.T. -0.000 min

Lab File: BF136543.D

Acq: 13 Dec 2023 18:05

Instrument :

BNA_F

ClientSampleId :

PB157609BS

Tgt Ion:178 Resp: 113648

Ion Ratio Lower Upper

178 100

176 19.3 15.9 23.9

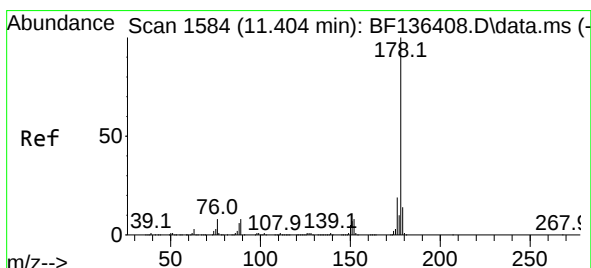
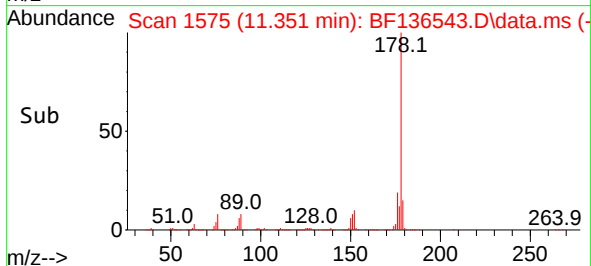
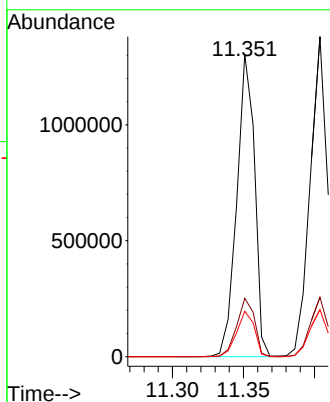
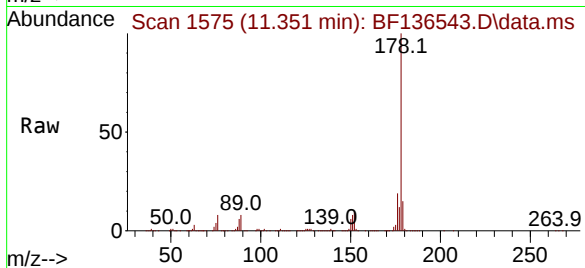
179 15.0 11.8 17.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#72

Anthracene

Concen: 41.598 ng

RT: 11.404 min Scan# 1584

Delta R.T. -0.000 min

Lab File: BF136543.D

Acq: 13 Dec 2023 18:05

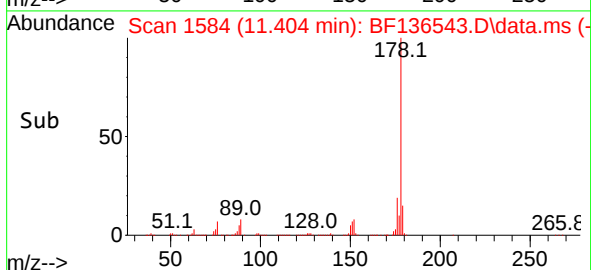
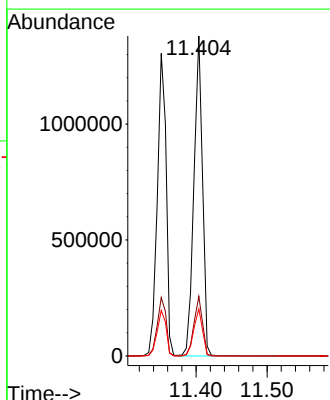
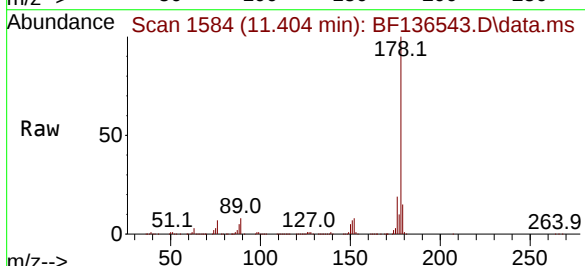
Tgt Ion:178 Resp: 1165657

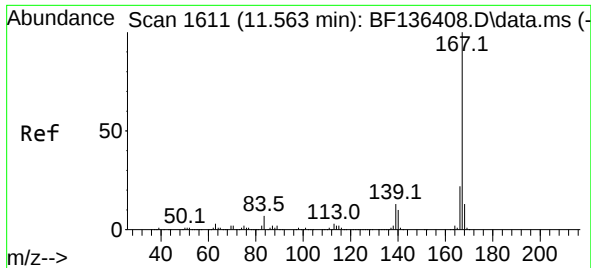
Ion Ratio Lower Upper

178 100

176 18.6 15.3 22.9

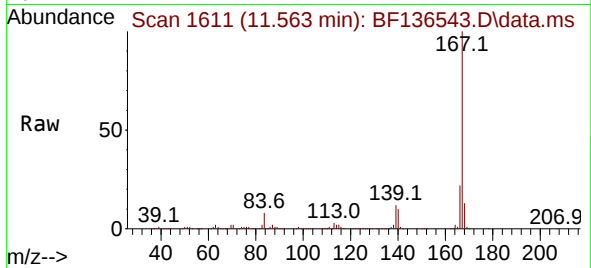
179 14.7 11.4 17.0





#73
 Carbazole
 Concen: 39.490 ng
 RT: 11.563 min Scan# 1611
 Delta R.T. -0.000 min
 Lab File: BF136543.D
 Acq: 13 Dec 2023 18:05

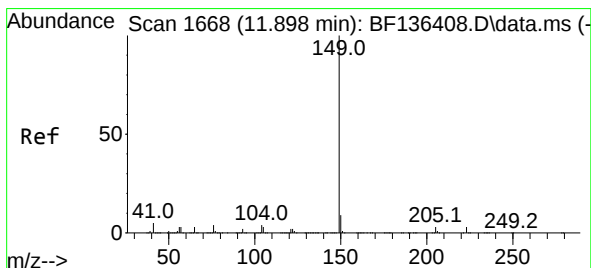
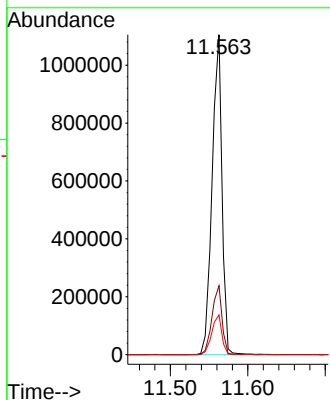
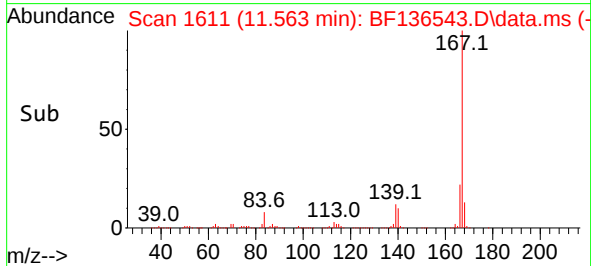
Instrument :
 BNA_F
 ClientSampleId :
 PB157609BS



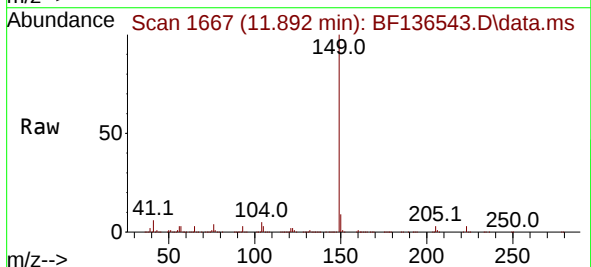
Tgt Ion:167 Resp: 979430
 Ion Ratio Lower Upper
 167 100
 166 21.6 18.0 27.0
 139 12.4 10.2 15.4

Manual Integrations
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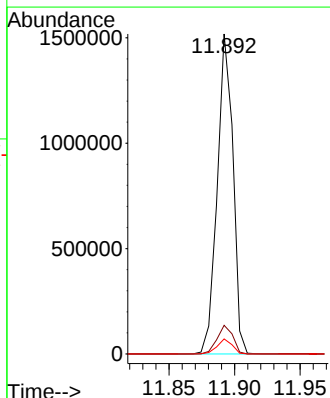
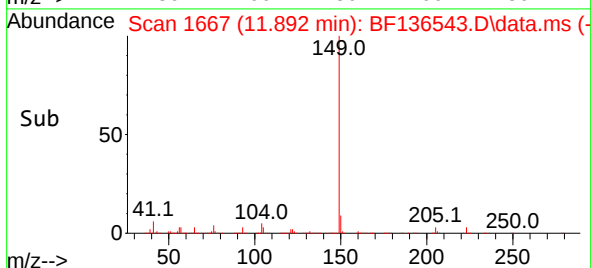
Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/14/2023

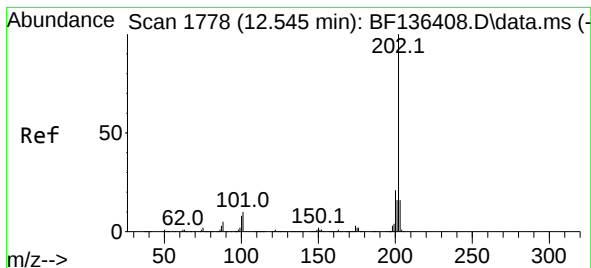


#74
 Di-n-butylphthalate
 Concen: 41.411 ng
 RT: 11.892 min Scan# 1667
 Delta R.T. -0.006 min
 Lab File: BF136543.D
 Acq: 13 Dec 2023 18:05



Tgt Ion:149 Resp: 1259095
 Ion Ratio Lower Upper
 149 100
 150 9.0 6.9 10.3
 104 4.7 3.5 5.3





#75

Fluoranthene

Concen: 38.101 ng

RT: 12.545 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF136543.D

Acq: 13 Dec 2023 18:05

Instrument :

BNA_F

ClientSampleId :

PB157609BS

Tgt Ion:202 Resp: 1110840

Ion Ratio Lower Upper

202 100

101 10.0 0.0 29.9

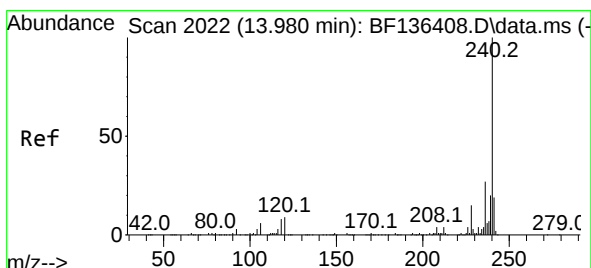
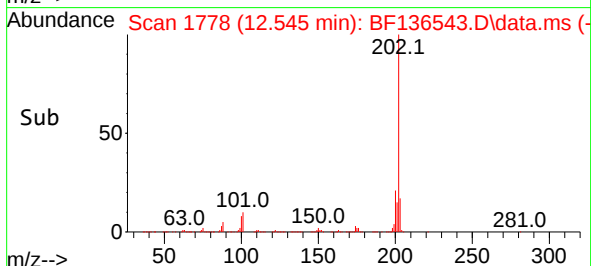
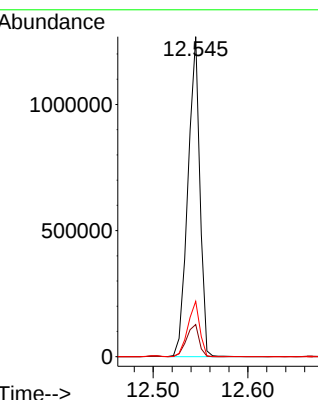
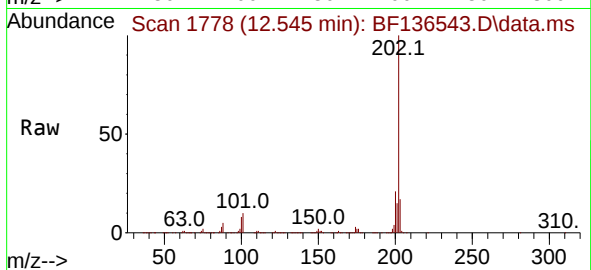
203 17.3 0.0 36.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.980 min Scan# 2022

Delta R.T. -0.000 min

Lab File: BF136543.D

Acq: 13 Dec 2023 18:05

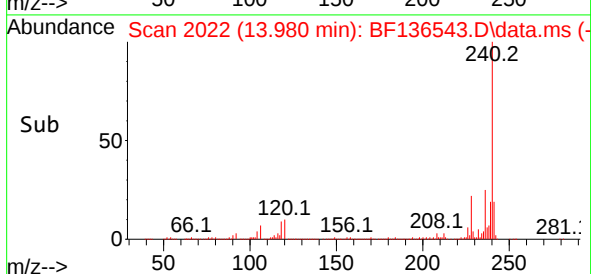
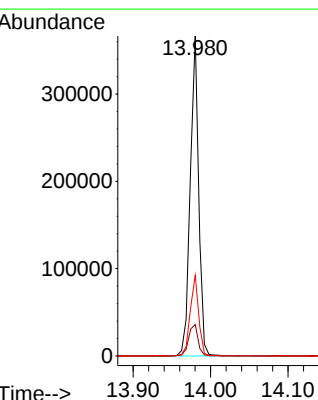
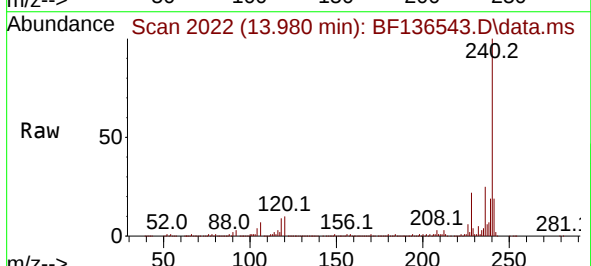
Tgt Ion:240 Resp: 277325

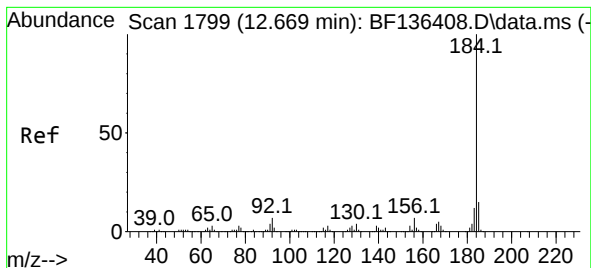
Ion Ratio Lower Upper

240 100

120 9.8 7.3 10.9

236 25.2 21.3 31.9





#77

Benzidine

Concen: 42.647 ng

RT: 12.668 min Scan# 1799

Delta R.T. -0.001 min

Lab File: BF136543.D

Acq: 13 Dec 2023 18:05

Instrument :

BNA_F

ClientSampleId :

PB157609BS

Tgt Ion:184 Resp: 28165

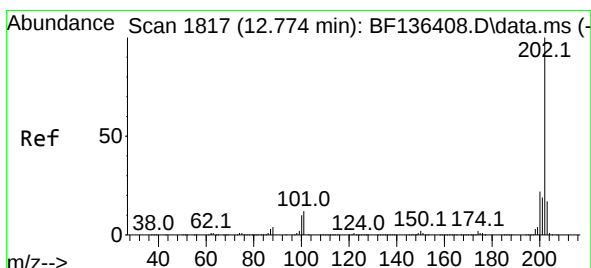
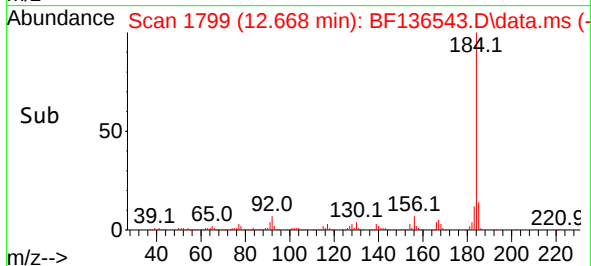
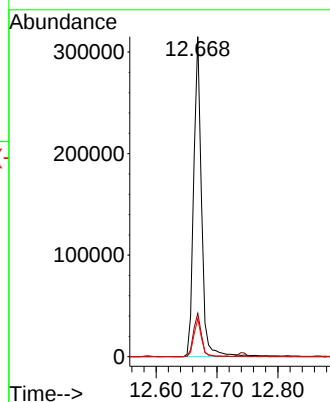
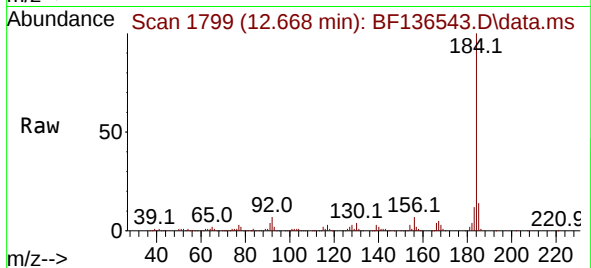
Ion	Ratio	Lower	Upper
184	100		
185	13.5	12.0	18.0
183	11.9	9.4	14.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#78

Pyrene

Concen: 40.684 ng

RT: 12.774 min Scan# 1817

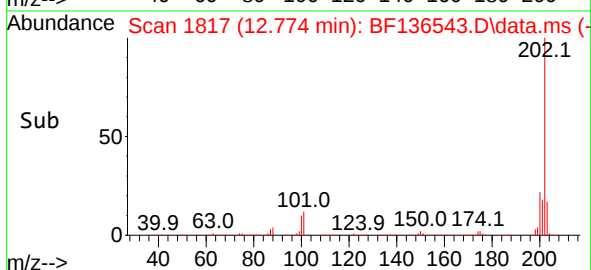
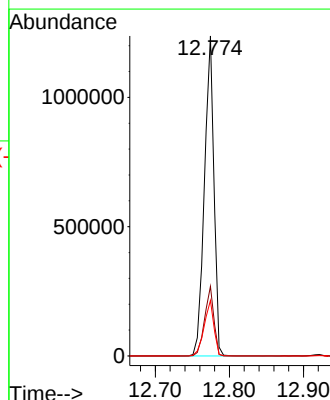
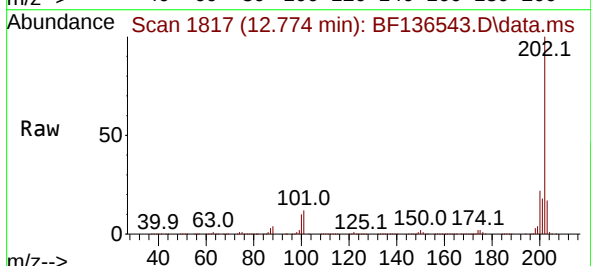
Delta R.T. -0.000 min

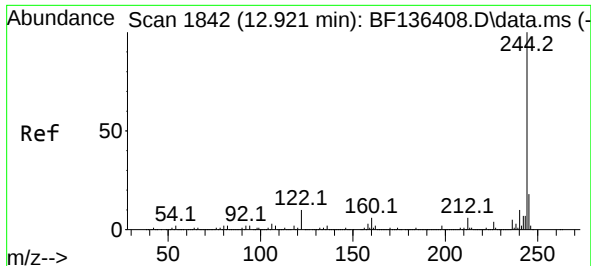
Lab File: BF136543.D

Acq: 13 Dec 2023 18:05

Tgt Ion:202 Resp: 1104991

Ion	Ratio	Lower	Upper
202	100		
200	21.8	18.0	27.0
203	17.4	13.5	20.3





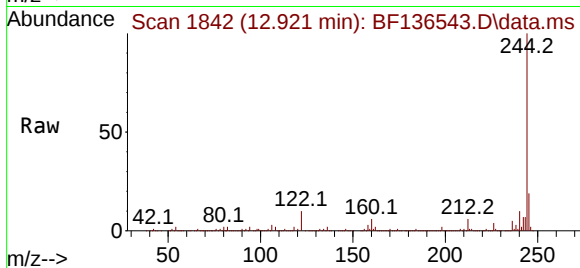
#79
 Terphenyl-d14
 Concen: 79.973 ng
 RT: 12.921 min Scan# 1842
 Delta R.T. -0.000 min
 Lab File: BF136543.D
 Acq: 13 Dec 2023 18:05

Instrument :

BNA_F

ClientSampleId :

PB157609BS



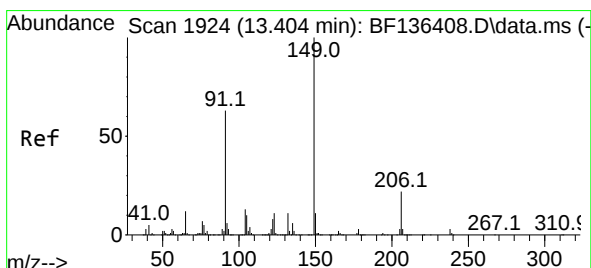
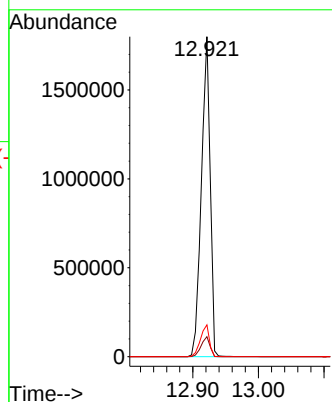
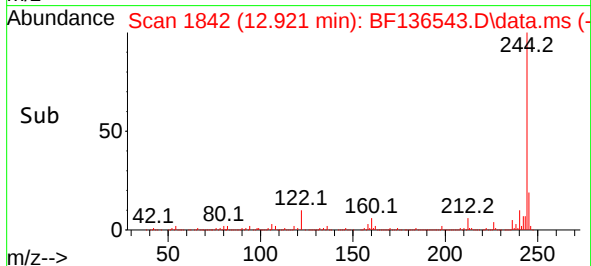
Tgt Ion:244 Resp: 168267
 Ion Ratio Lower Upper
 244 100
 212 6.2 5.0 7.4
 122 9.9 8.3 12.5

Manual Integrations

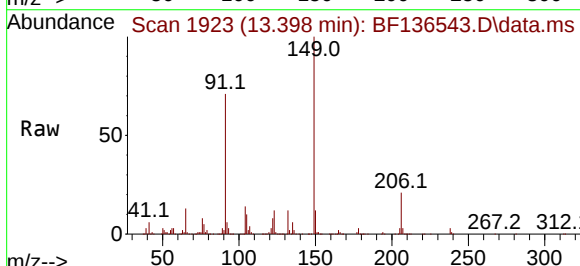
APPROVED

Reviewed By :Yogesh Patel 12/14/2023

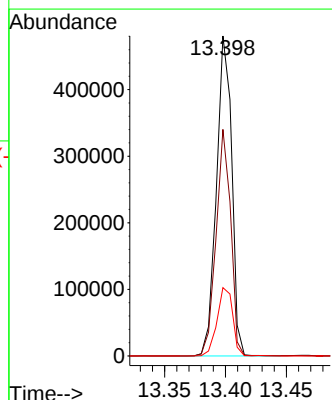
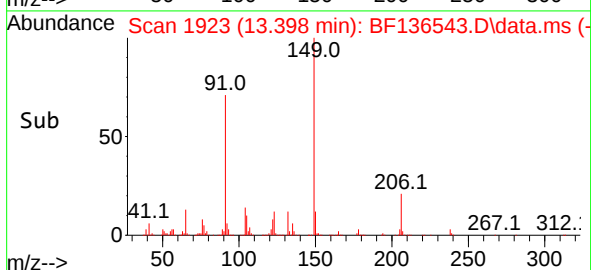
Supervised By :mohammad ahmed 12/14/2023

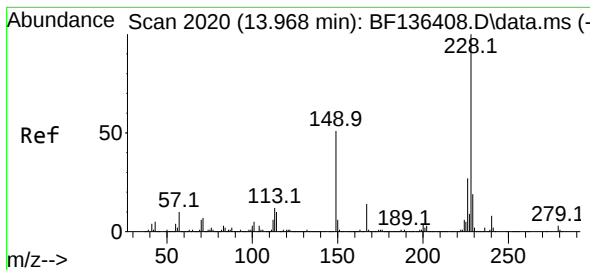


#80
 Butylbenzylphthalate
 Concen: 43.478 ng
 RT: 13.398 min Scan# 1923
 Delta R.T. -0.006 min
 Lab File: BF136543.D
 Acq: 13 Dec 2023 18:05



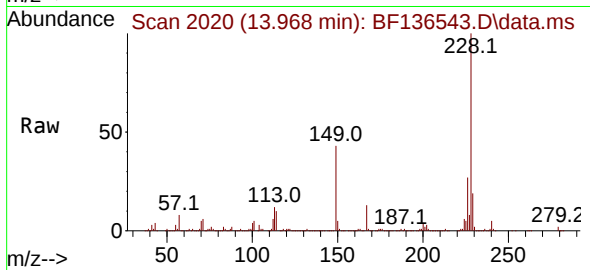
Tgt Ion:149 Resp: 420367
 Ion Ratio Lower Upper
 149 100
 91 70.8 50.5 75.7
 206 21.4 17.4 26.2





#81
Benzo(a)anthracene
Concen: 41.054 ng
RT: 13.968 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

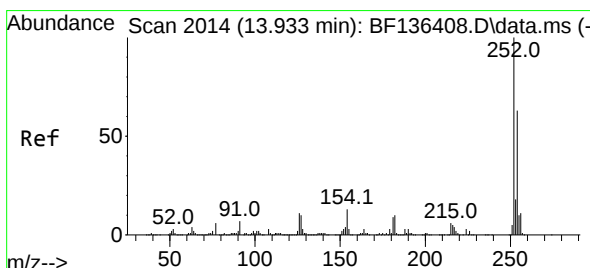
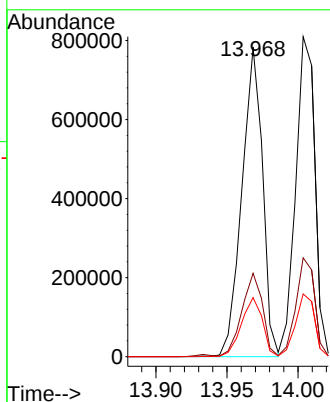
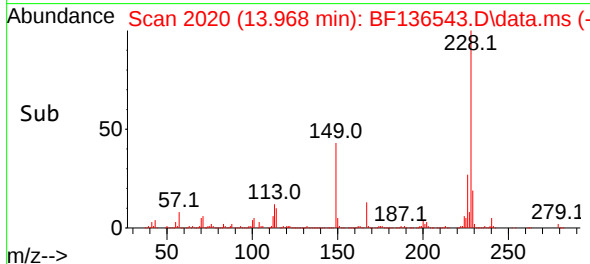
Instrument :
BNA_F
ClientSampleId :
PB157609BS



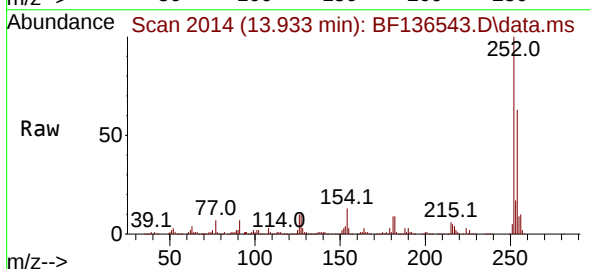
Tgt Ion:228 Resp: 793058
Ion Ratio Lower Upper
228 100
226 26.9 21.8 32.8
229 19.1 15.0 22.4

Manual Integrations
APPROVED

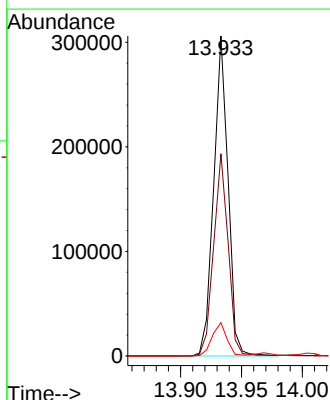
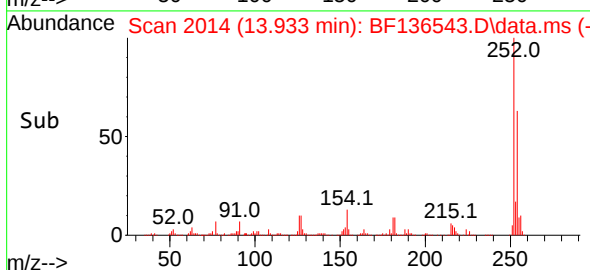
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#82
3,3'-Dichlorobenzidine
Concen: 46.319 ng
RT: 13.933 min Scan# 2014
Delta R.T. -0.000 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05



Tgt Ion:252 Resp: 250874
Ion Ratio Lower Upper
252 100
254 63.2 50.8 76.2
126 10.4 8.6 12.8





#83

Chrysene

Concen: 40.060 ng

RT: 14.004 min Scan# 2026

Delta R.T. -0.000 min

Lab File: BF136543.D

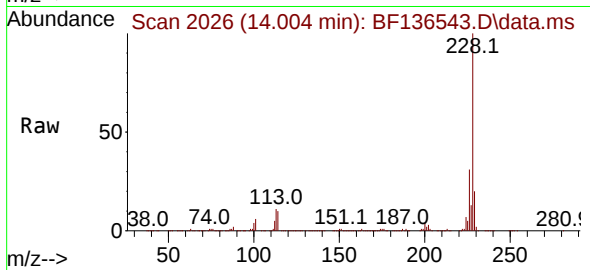
Acq: 13 Dec 2023 18:05

Instrument :

BNA_F

ClientSampleId :

PB157609BS



Tgt Ion:228 Resp: 76136

Ion Ratio Lower Upper

228 100

226 30.9 23.8 35.6

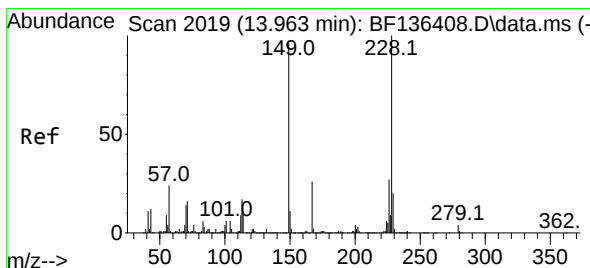
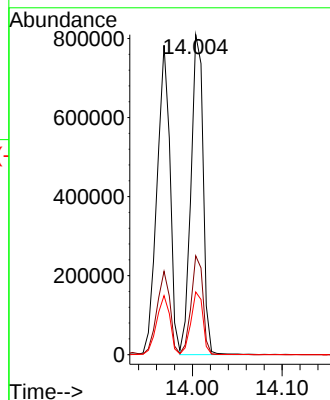
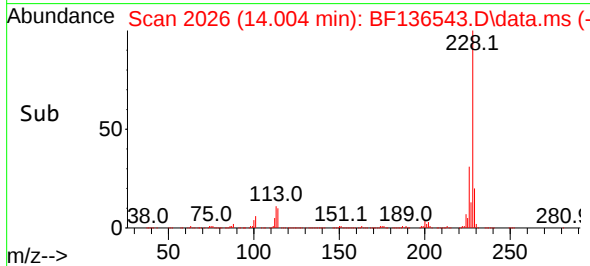
229 19.6 14.8 22.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.384 ng

RT: 13.962 min Scan# 2019

Delta R.T. -0.000 min

Lab File: BF136543.D

Acq: 13 Dec 2023 18:05

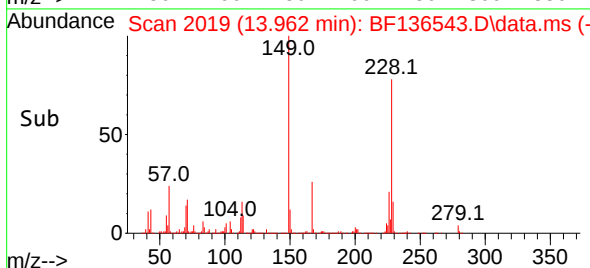
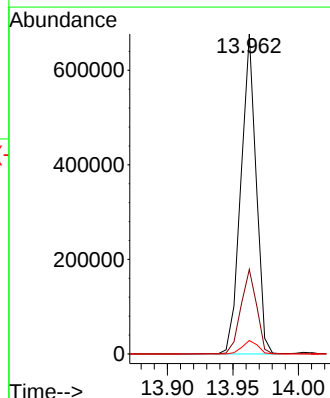
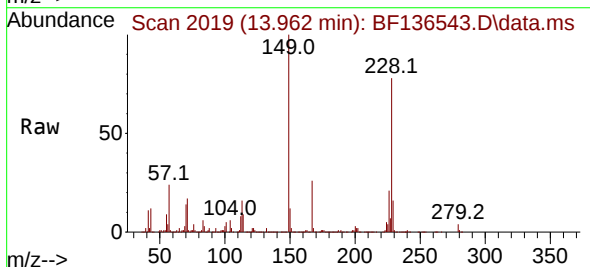
Tgt Ion:149 Resp: 549770

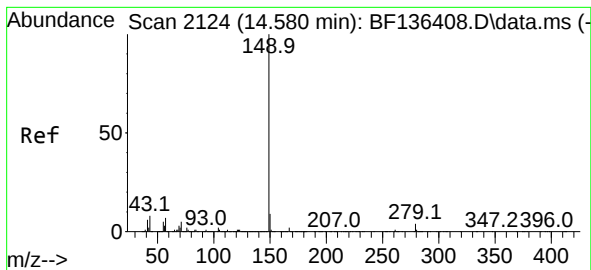
Ion Ratio Lower Upper

149 100

167 26.4 21.2 31.8

279 4.2 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 49.492 ng
RT: 14.580 min Scan# 2124
Delta R.T. -0.000 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Instrument :

BNA_F

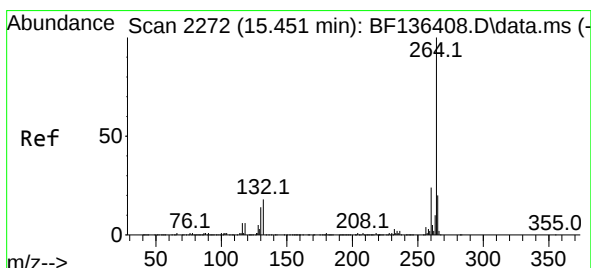
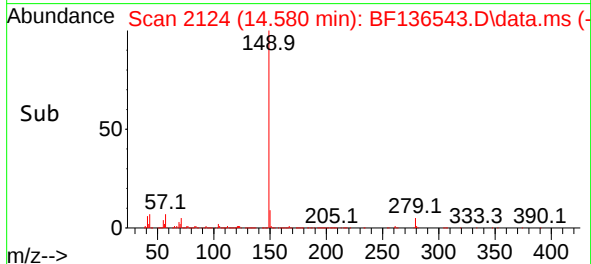
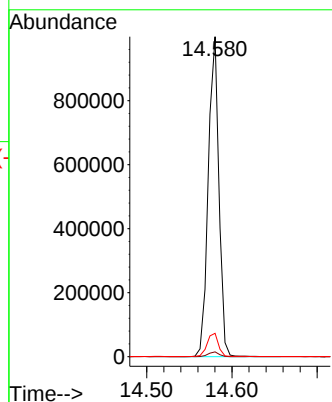
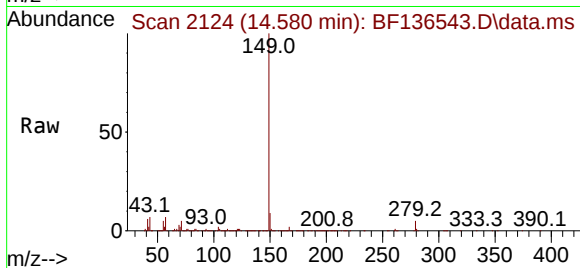
ClientSampleId :

PB157609BS

Tgt Ion:149 Resp: 866483
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 7.7 6.8 10.2

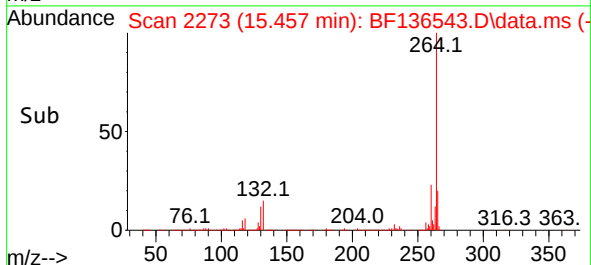
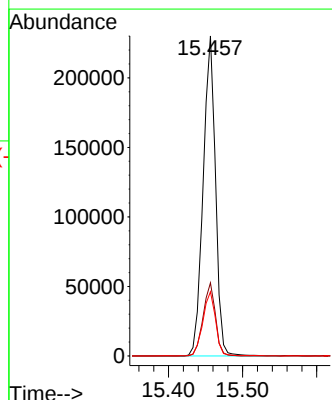
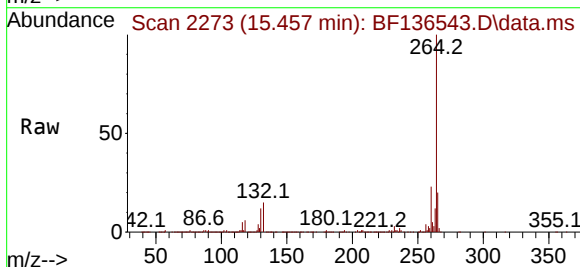
Manual Integrations
APPROVED

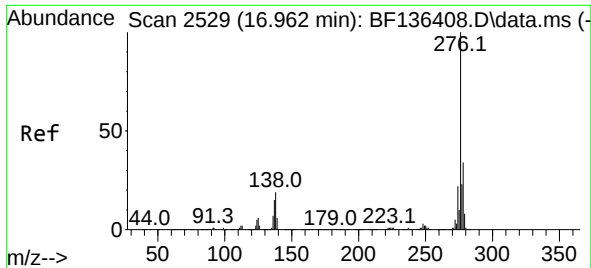
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2273
Delta R.T. 0.006 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Tgt Ion:264 Resp: 267704
Ion Ratio Lower Upper
264 100
260 22.8 19.2 28.8
265 20.1 15.9 23.9





#87
Indeno(1,2,3-cd)pyrene
Concen: 47.334 ng
RT: 16.968 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Instrument :

BNA_F

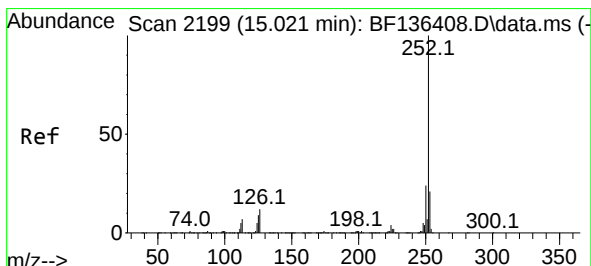
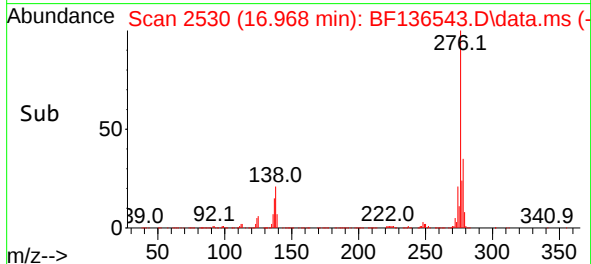
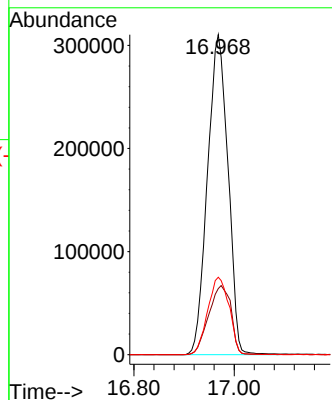
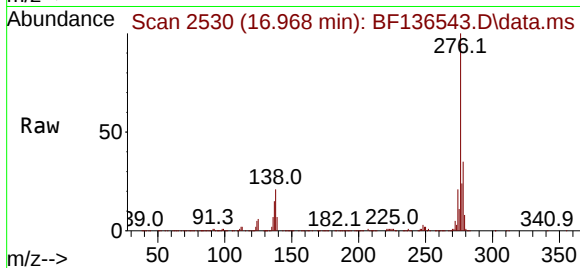
ClientSampleId :

PB157609BS

Tgt Ion:276 Resp: 880324
Ion Ratio Lower Upper
276 100
138 23.5 19.0 28.4
277 25.3 20.0 30.0

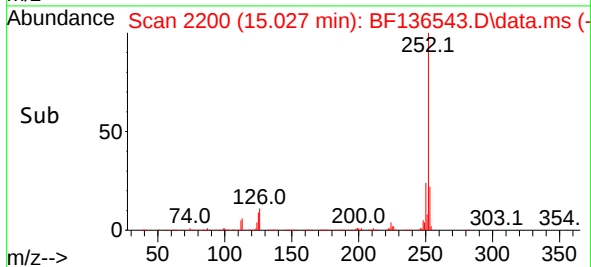
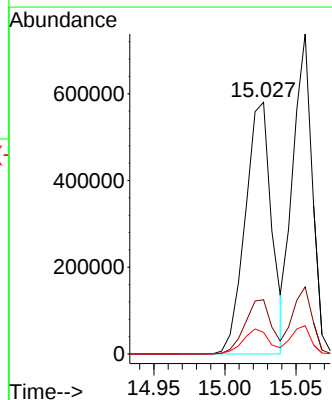
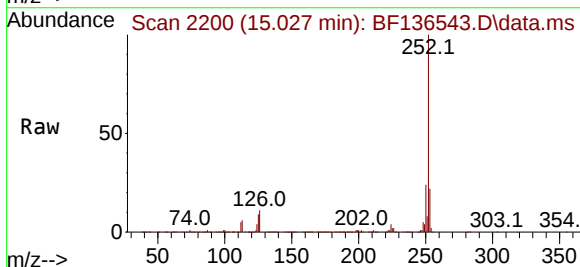
Manual Integrations
APPROVED

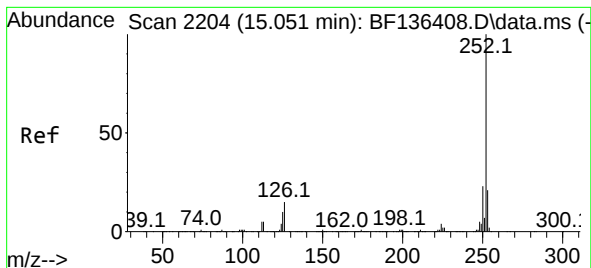
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#88
Benzo(b)fluoranthene
Concen: 40.976 ng
RT: 15.027 min Scan# 2200
Delta R.T. 0.006 min
Lab File: BF136543.D
Acq: 13 Dec 2023 18:05

Tgt Ion:252 Resp: 750013
Ion Ratio Lower Upper
252 100
253 21.5 16.9 25.3
125 8.6 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 40.884 ng

RT: 15.057 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136543.D

Acq: 13 Dec 2023 18:05

Instrument :

BNA_F

ClientSampleId :

PB157609BS

Tgt Ion:252 Resp: 70523

Ion Ratio Lower Upper

252 100

253 21.0 16.9 25.3

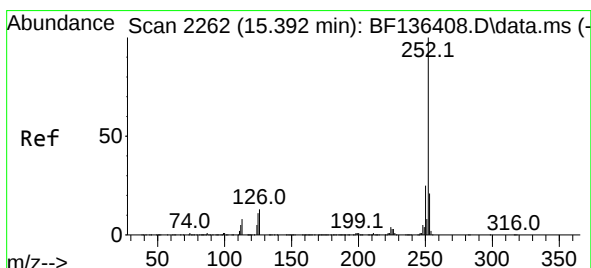
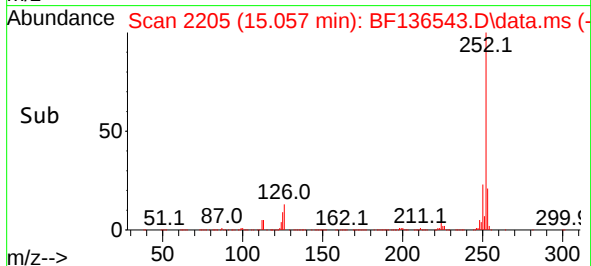
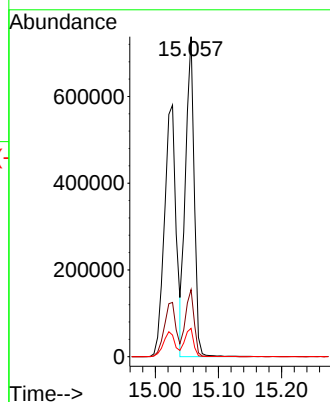
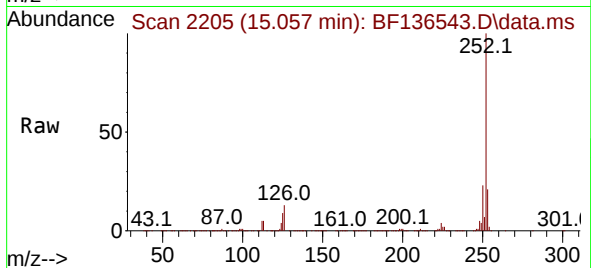
125 8.9 7.5 11.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#90

Benzo(a)pyrene

Concen: 42.511 ng

RT: 15.392 min Scan# 2262

Delta R.T. -0.000 min

Lab File: BF136543.D

Acq: 13 Dec 2023 18:05

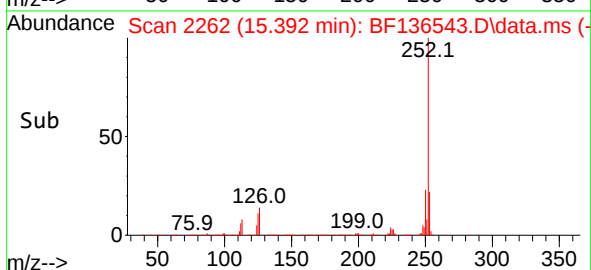
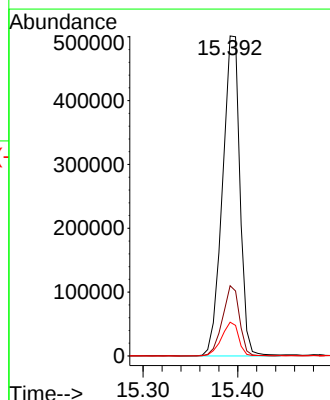
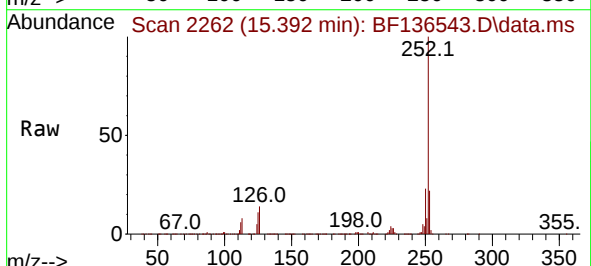
Tgt Ion:252 Resp: 642600

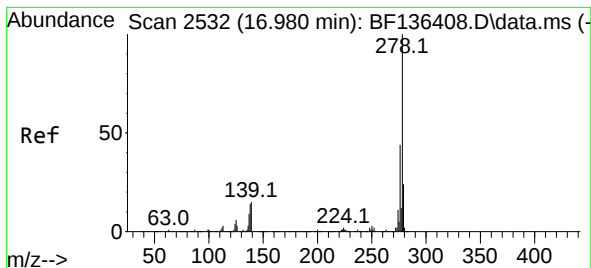
Ion Ratio Lower Upper

252 100

253 22.0 17.0 25.4

125 10.5 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 48.688 ng

RT: 16.992 min Scan# 2534

Delta R.T. 0.012 min

Lab File: BF136543.D

Acq: 13 Dec 2023 18:05

Instrument :

BNA_F

ClientSampleId :

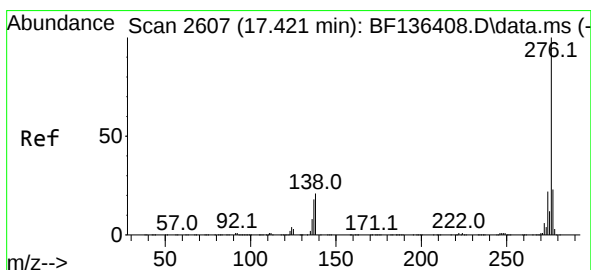
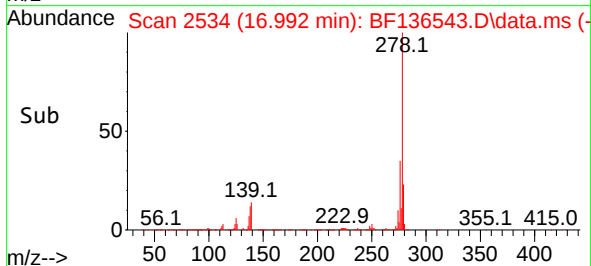
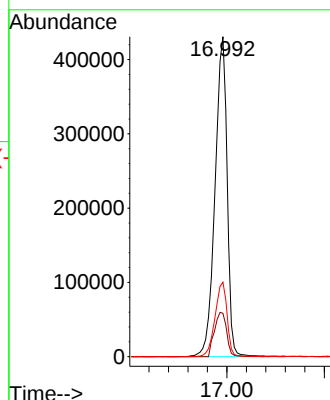
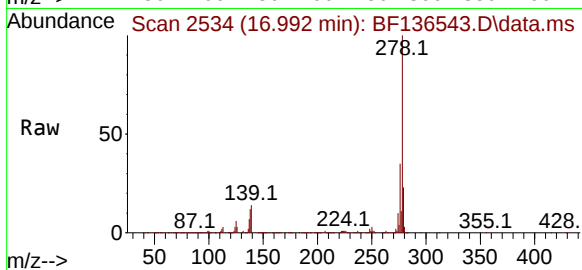
PB157609BS

Tgt Ion:	278	Resp:	74181
Ion Ratio	Lower	Upper	
278	100		
139	13.5	12.2	18.4
279	23.3	19.0	28.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#92

Benzo(g,h,i)perylene

Concen: 46.150 ng

RT: 17.427 min Scan# 2608

Delta R.T. 0.006 min

Lab File: BF136543.D

Acq: 13 Dec 2023 18:05

Tgt Ion:	276	Resp:	721717
Ion Ratio	Lower	Upper	
276	100		
277	23.4	18.7	28.1
138	20.8	16.6	25.0

