

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF121323\
 Data File : BF136542.D
 Acq On : 13 Dec 2023 17:33
 Operator : CG\JU
 Sample : PB157507BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB157507BS

Quant Time: Dec 14 01:42:17 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

Manual Integrations APPROVED

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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.798	152	126624	20.000	ng	0.00
21) Naphthalene-d8	8.075	136	529352	20.000	ng	0.00
39) Acenaphthene-d10	9.833	164	271155	20.000	ng	0.00
64) Phenanthrene-d10	11.327	188	494415	20.000	ng	0.00
76) Chrysene-d12	13.980	240	264126	20.000	ng	0.00
86) Perylene-d12	15.457	264	261608	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.451	112	956729	111.584	ng	0.02
7) Phenol-d6	6.451	99	1169452	109.320	ng	0.00
23) Nitrobenzene-d5	7.363	82	716228	73.145	ng	0.00
42) 2,4,6-Tribromophenol	10.633	330	381629	114.145	ng	0.00
45) 2-Fluorobiphenyl	9.157	172	1480256	74.489	ng	0.00
79) Terphenyl-d14	12.922	244	1565384	78.116	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.652	88	112274	33.107	ng	98
3) Pyridine	3.410	79	260757	31.750	ng	96
4) n-Nitrosodimethylamine	3.375	42	130438	36.557	ng	93
6) Aniline	6.463	93	374312	34.623	ng	# 29
8) 2-Chlorophenol	6.587	128	376152	40.186	ng	100
9) Benzaldehyde	6.351	77	152689	25.946	ng	95
10) Phenol	6.463	94	436928	38.384	ng	80
11) bis(2-Chloroethyl)ether	6.540	93	335394	39.529	ng	97
12) 1,3-Dichlorobenzene	6.740	146	392527	37.289	ng	98
13) 1,4-Dichlorobenzene	6.816	146	398163	37.287	ng	98
14) 1,2-Dichlorobenzene	6.963	146	380015	37.845	ng	98
15) Benzyl Alcohol	6.945	79	296048	41.328	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.075	45	403150	36.943	ng	95
17) 2-Methylphenol	7.057	107	298007	39.407	ng	95
18) Hexachloroethane	7.304	117	140580	37.708	ng	95
19) n-Nitroso-di-n-propyla...	7.216	70	235698	38.195	ng	98
20) 3+4-Methylphenols	7.210	107	359526	38.303	ng	98
22) Acetophenone	7.210	105	511243	39.111	ng	96
24) Nitrobenzene	7.381	77	358338	36.378	ng	99
25) Isophorone	7.622	82	667177	37.925	ng	95
26) 2-Nitrophenol	7.692	139	201549	41.620	ng	97
27) 2,4-Dimethylphenol	7.739	122	330480	55.345	ng	98
28) bis(2-Chloroethoxy)met...	7.828	93	416439	38.523	ng	98
29) 2,4-Dichlorophenol	7.939	162	312060	39.593	ng	98
30) 1,2,4-Trichlorobenzene	8.016	180	347954	37.860	ng	99
31) Naphthalene	8.098	128	1083353	37.112	ng	99
32) Benzoic acid	7.875	122	240106	40.534	ng	99
33) 4-Chloroaniline	8.145	127	271734	26.111	ng	99
34) Hexachlorobutadiene	8.210	225	204703	37.583	ng	99
35) Caprolactam	8.528	113	98395m	40.539	ng	
36) 4-Chloro-3-methylphenol	8.639	107	324487	38.774	ng	100
37) 2-Methylnaphthalene	8.792	142	717133	38.615	ng	94
38) 1-Methylnaphthalene	8.886	142	660811	36.261	ng	98
40) 1,2,4,5-Tetrachloroben...	8.957	216	346295	41.050	ng	99
41) Hexachlorocyclopentadiene	8.939	237	343754	109.990	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	228029	41.513	ng	97

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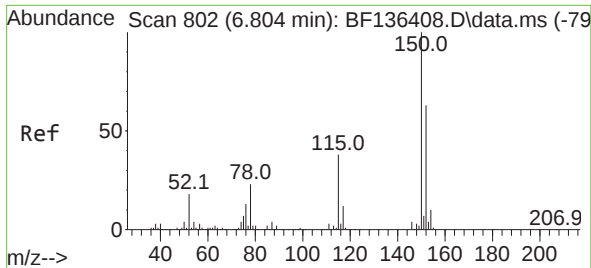
Manual Integrations
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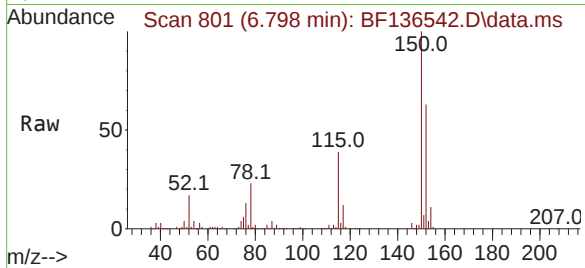
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	242439	39.545	ng	# 93
46) 1,1'-Biphenyl	9.257	154	907018	39.312	ng	98
47) 2-Chloronaphthalene	9.281	162	683840	38.080	ng	98
48) 2-Nitroaniline	9.381	65	187646	38.960	ng	92
49) Acenaphthylene	9.698	152	1007374	39.379	ng	98
50) Dimethylphthalate	9.563	163	804825	40.315	ng	99
51) 2,6-Dinitrotoluene	9.628	165	179925	40.062	ng	# 87
52) Acenaphthene	9.869	154	633973	38.674	ng	96
53) 3-Nitroaniline	9.792	138	144481	31.503	ng	98
54) 2,4-Dinitrophenol	9.904	184	193128	85.050	ng	# 90
55) Dibenzofuran	10.045	168	945758	39.492	ng	99
56) 4-Nitrophenol	9.969	139	263078	76.519	ng	96
57) 2,4-Dinitrotoluene	10.033	165	231917	39.035	ng	97
58) Fluorene	10.386	166	734805	38.224	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.163	232	207329	42.220	ng	98
60) Diethylphthalate	10.263	149	781255	39.798	ng	99
61) 4-Chlorophenyl-phenyle...	10.380	204	369676	39.447	ng	92
62) 4-Nitroaniline	10.416	138	170839	37.514	ng	93
63) Azobenzene	10.539	77	680292	38.073	ng	97
65) 4,6-Dinitro-2-methylph...	10.439	198	136724	44.652	ng	99
66) n-Nitrosodiphenylamine	10.504	169	666835	42.032	ng	99
67) 4-Bromophenyl-phenylether	10.869	248	234753	40.838	ng	95
68) Hexachlorobenzene	10.933	284	267573	40.274	ng	94
69) Atrazine	11.039	200	287927	63.587	ng	96
70) Pentachlorophenol	11.133	266	263689	70.324	ng	98
71) Phenanthrene	11.351	178	1107245	40.745	ng	99
72) Anthracene	11.404	178	1122760	41.020	ng	98
73) Carbazole	11.563	167	951835	39.290	ng	99
74) Di-n-butylphthalate	11.892	149	1204765	40.567	ng	99
75) Fluoranthene	12.545	202	1044029	36.661	ng	99
77) Benzidine	12.669	184	262645	42.118	ng	98
78) Pyrene	12.774	202	1037815	40.120	ng	98
80) Butylbenzylphthalate	13.398	149	391387	42.504	ng	96
81) Benzo(a)anthracene	13.968	228	748944	40.708	ng	99
82) 3,3'-Dichlorobenzidine	13.933	252	236545	45.856	ng	98
83) Chrysene	14.004	228	718398	39.688	ng	99
84) Bis(2-ethylhexyl)phtha...	13.963	149	511994	45.355	ng	99
85) Di-n-octyl phthalate	14.580	149	840290	50.394	ng	98
87) Indeno(1,2,3-cd)pyrene	16.968	276	883671	48.621	ng	100
88) Benzo(b)fluoranthene	15.021	252	752870	42.091	ng	99
89) Benzo(k)fluoranthene	15.057	252	694203	41.182	ng	99
90) Benzo(a)pyrene	15.398	252	633026	42.854	ng	99
91) Dibenzo(a,h)anthracene	16.992	278	738361	49.590	ng	98
92) Benzo(g,h,i)perylene	17.427	276	735007	48.095	ng	99

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



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.798 min Scan# 80
 Delta R.T. -0.006 min
 Lab File: BF136542.D
 Acq: 13 Dec 2023 17:33

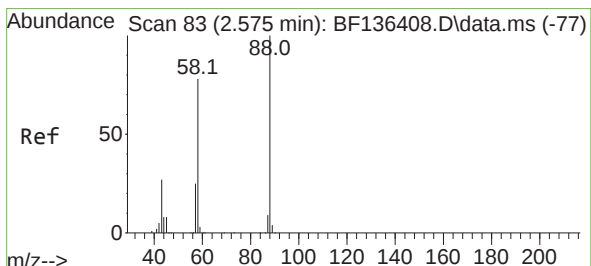
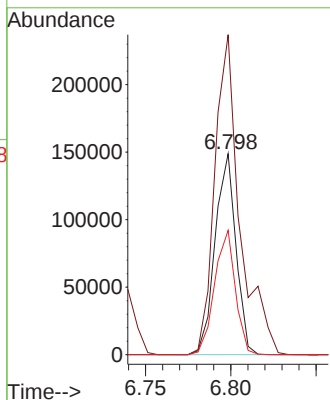
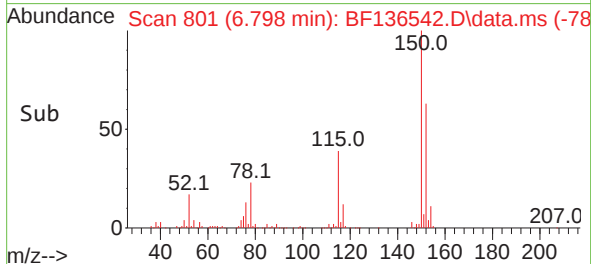
Instrument :
 BNA_F
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 PB157507BS



Tgt Ion:152 Resp: 126624
 Ion Ratio Lower Upper
 152 100
 150 159.2 126.4 189.6
 115 61.9 48.2 72.4

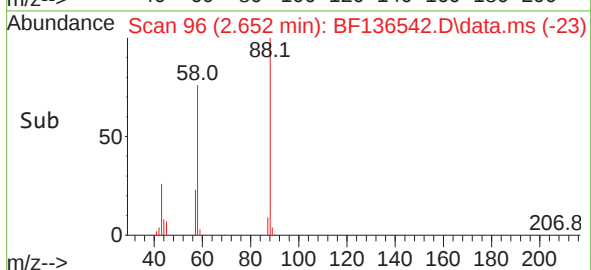
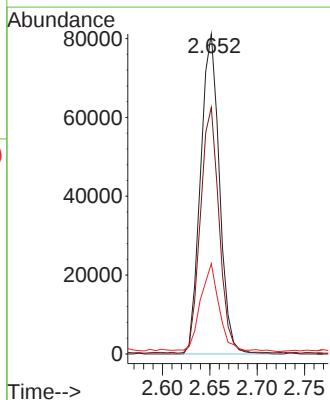
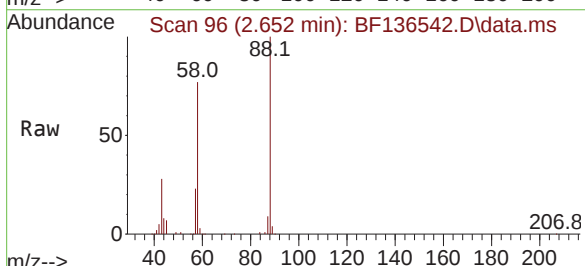
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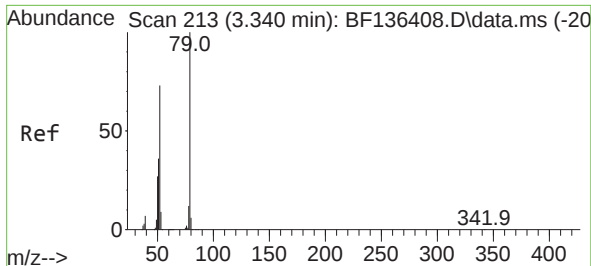
Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/14/2023



#2
 1,4-Dioxane
 Concen: 33.107 ng
 RT: 2.652 min Scan# 96
 Delta R.T. 0.076 min
 Lab File: BF136542.D
 Acq: 13 Dec 2023 17:33

Tgt Ion: 88 Resp: 112274
 Ion Ratio Lower Upper
 88 100
 58 76.0 62.2 93.2
 43 25.9 21.5 32.3





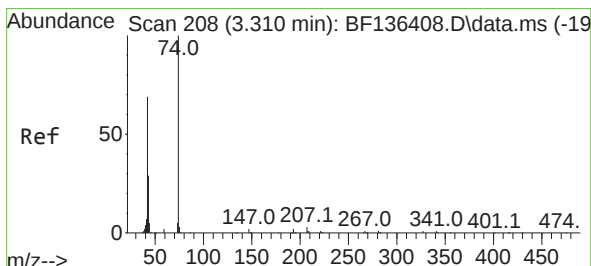
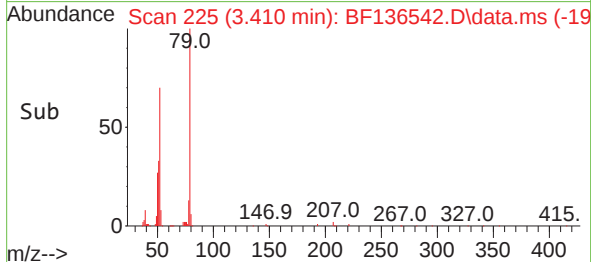
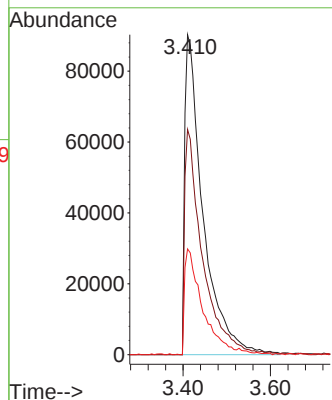
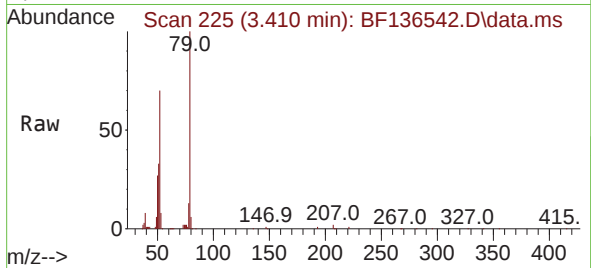
#3
Pyridine
Concen: 31.750 ng
RT: 3.410 min Scan# 213
Delta R.T. 0.071 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Instrument :
BNA_F
ClientSampleId :
PB157507BS

Tgt Ion: 79 Resp: 26075
Ion Ratio Lower Upper
79 100
52 70.4 58.2 87.2
51 33.1 29.1 43.7

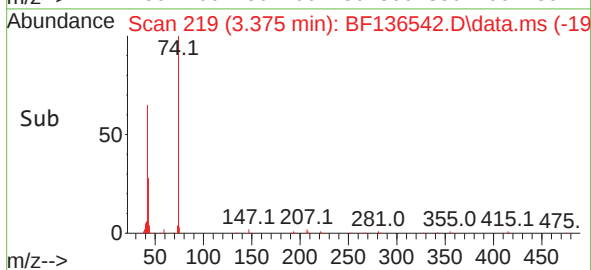
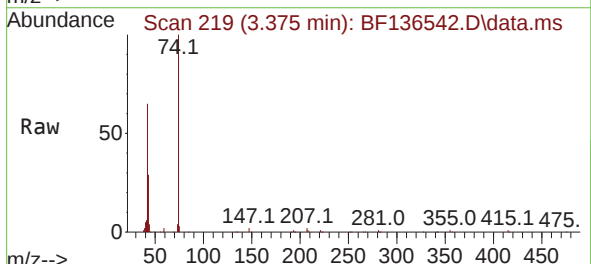
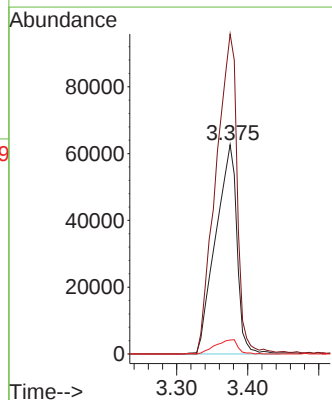
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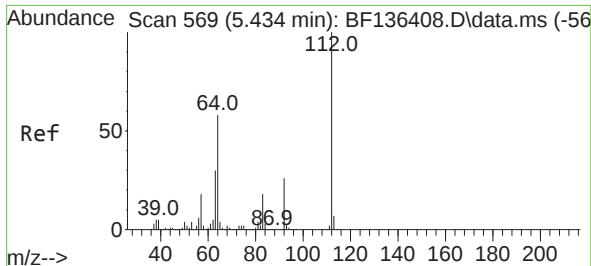
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#4
n-Nitrosodimethylamine
Concen: 36.557 ng
RT: 3.375 min Scan# 219
Delta R.T. 0.065 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Tgt Ion: 42 Resp: 130438
Ion Ratio Lower Upper
42 100
74 152.9 115.4 173.0
44 6.7 6.2 9.2





#5
2-Fluorophenol
Concen: 111.584 ng
RT: 5.451 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Instrument :

BNA_F

ClientSampleId :

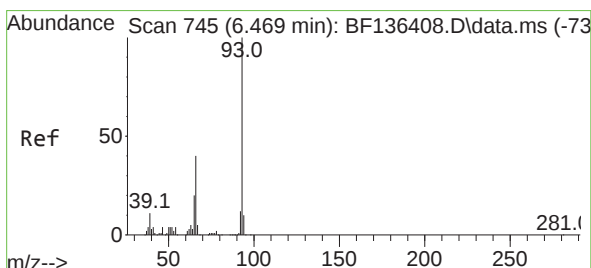
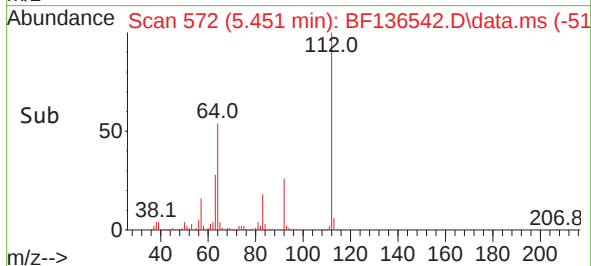
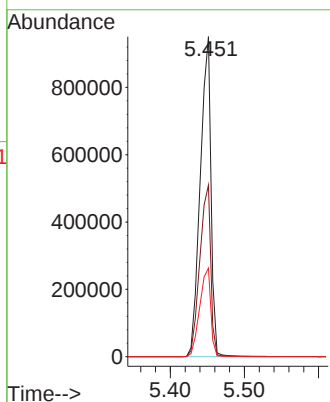
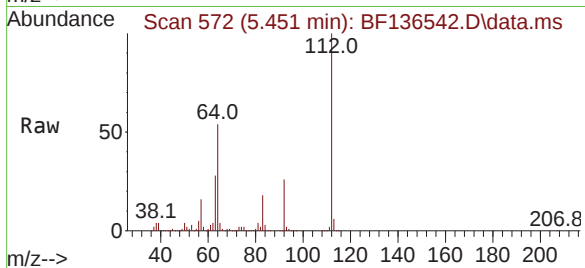
PB157507BS

Tgt Ion:112 Resp: 956729
Ion Ratio Lower Upper
112 100
64 53.6 46.5 69.7
63 27.7 23.9 35.9

Manual Integrations

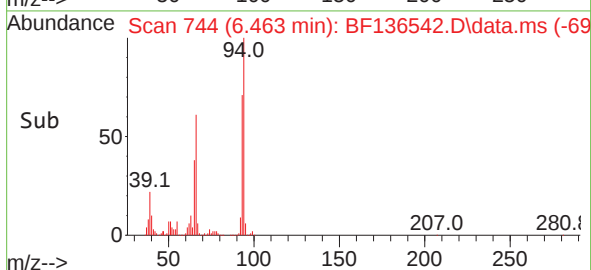
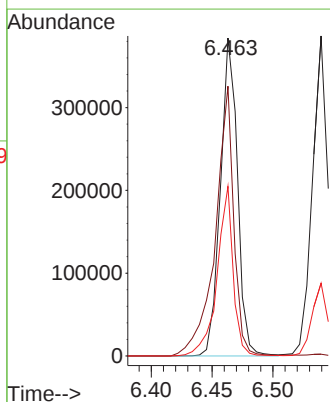
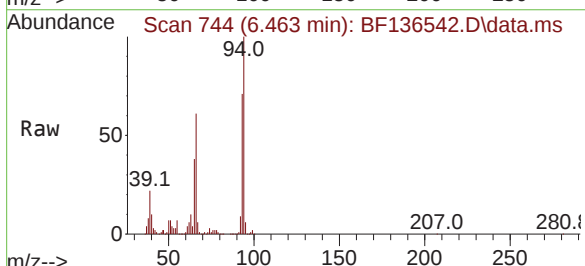
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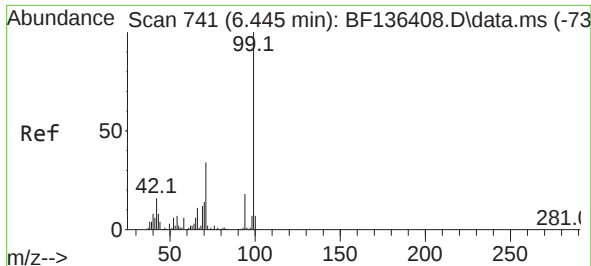
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#6
Aniline
Concen: 34.623 ng
RT: 6.463 min Scan# 744
Delta R.T. -0.006 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

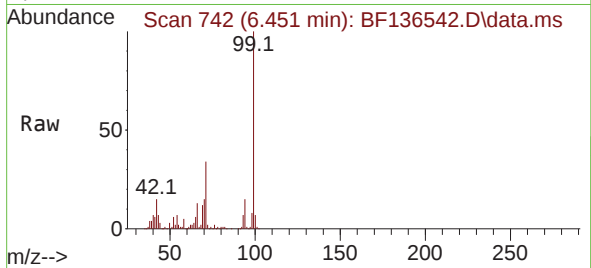
Tgt Ion: 93 Resp: 374312
Ion Ratio Lower Upper
93 100
66 84.8 32.5 48.7#
65 53.3 16.4 24.6#





#7
Phenol-d6
Concen: 109.320 ng
RT: 6.451 min Scan# 741
Delta R.T. 0.006 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

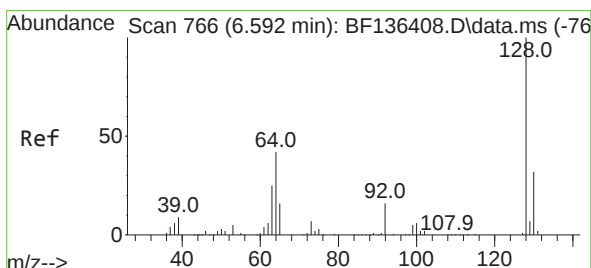
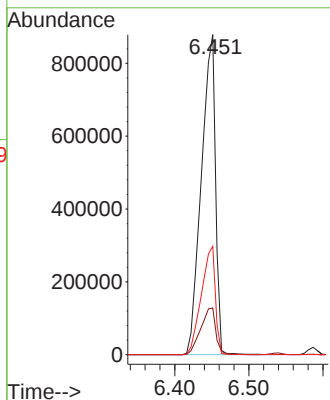
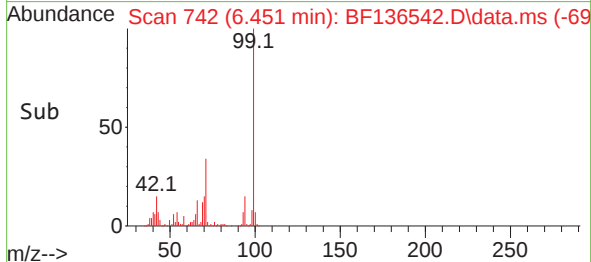
Instrument :
BNA_F
ClientSampleId :
PB157507BS



Tgt Ion: 99 Resp: 1169452
Ion Ratio Lower Upper
99 100
42 14.6 12.8 19.2
71 33.9 27.0 40.4

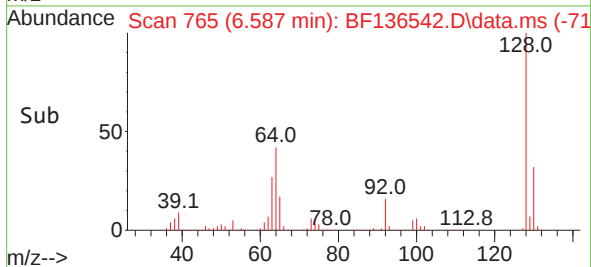
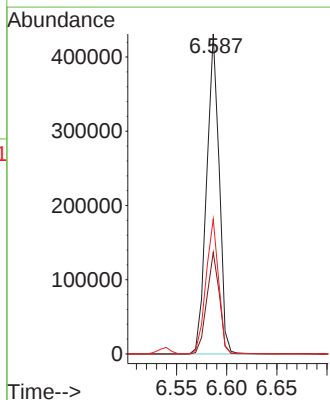
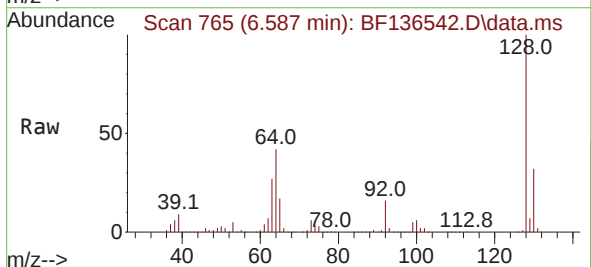
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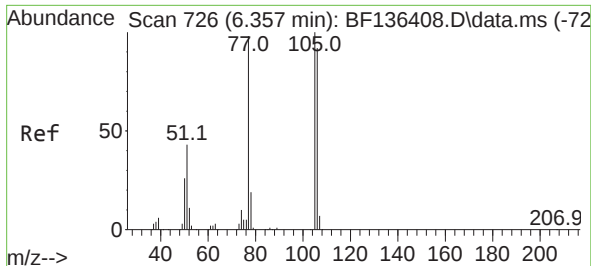
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#8
2-Chlorophenol
Concen: 40.186 ng
RT: 6.587 min Scan# 765
Delta R.T. -0.006 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

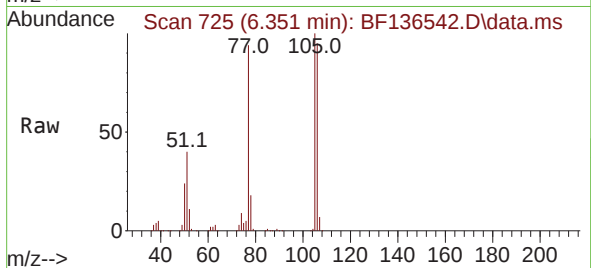
Tgt Ion:128 Resp: 376152
Ion Ratio Lower Upper
128 100
130 31.8 11.7 51.7
64 42.2 22.5 62.5





#9
Benzaldehyde
Concen: 25.946 ng
RT: 6.351 min Scan# 725
Delta R.T. -0.006 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

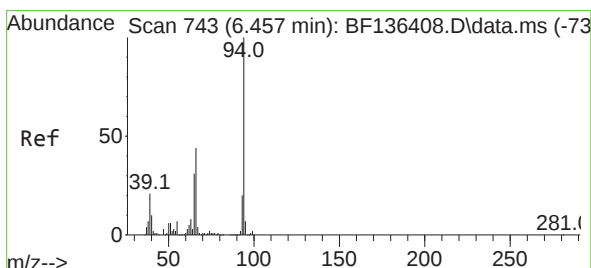
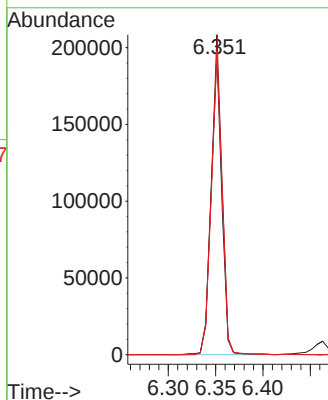
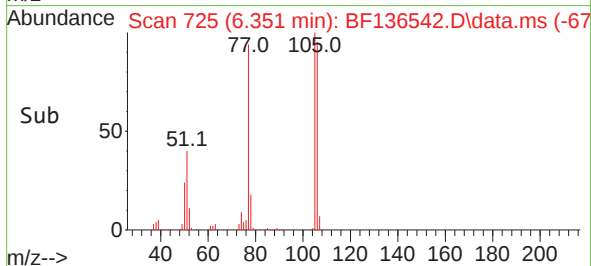
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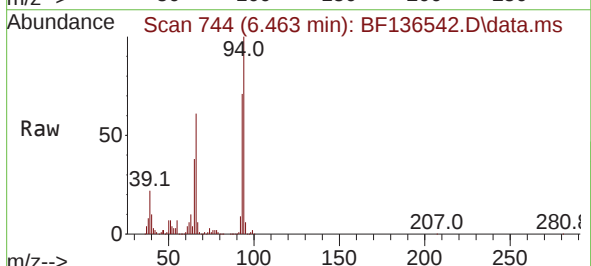
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Ion Ratio Lower Upper
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105 106.3 82.5 122.5
106 100.6 74.5 114.5

Manual Integrations
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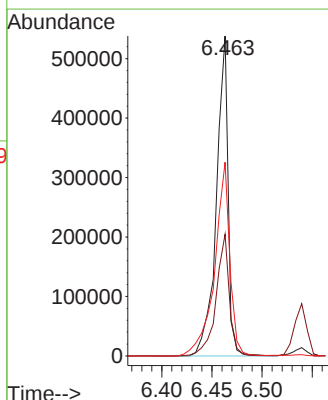
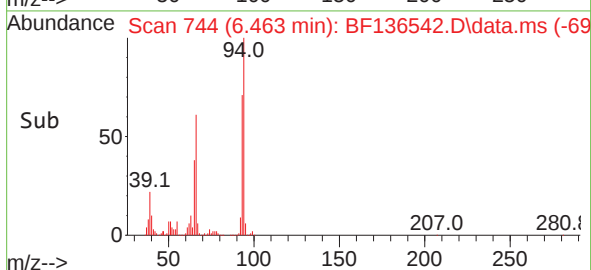
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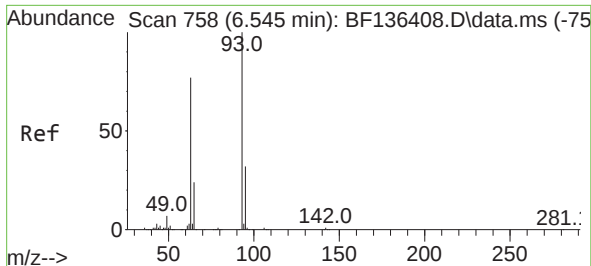


#10
Phenol
Concen: 38.384 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.006 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33



Tgt Ion: 94 Resp: 436928
Ion Ratio Lower Upper
94 100
65 38.1 11.2 51.2
66 60.5 24.2 64.2





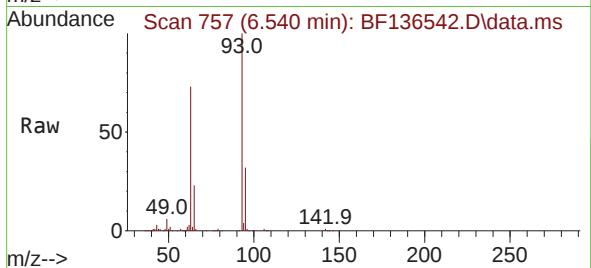
#11
bis(2-Chloroethyl)ether
Concen: 39.529 ng
RT: 6.540 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Instrument :

BNA_F

ClientSampleId :

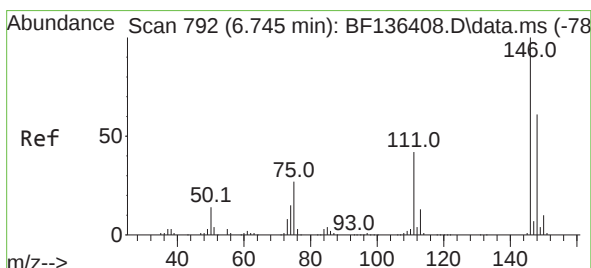
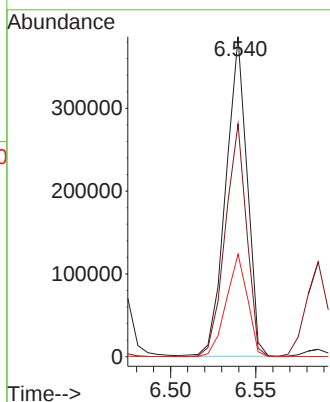
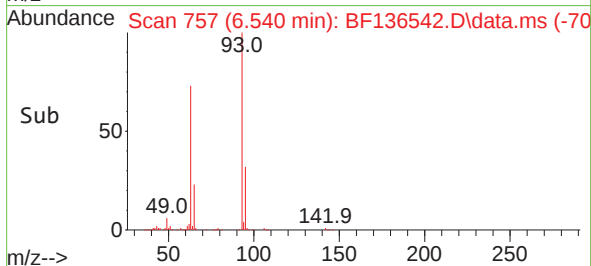
PB157507BS



Tgt Ion: 93 Resp: 335394
Ion Ratio Lower Upper
93 100
63 72.7 56.8 96.8
95 32.0 11.8 51.8

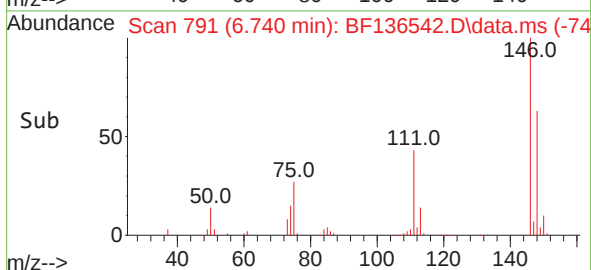
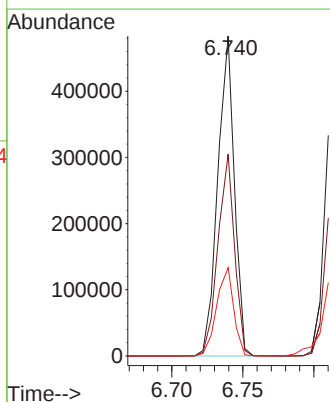
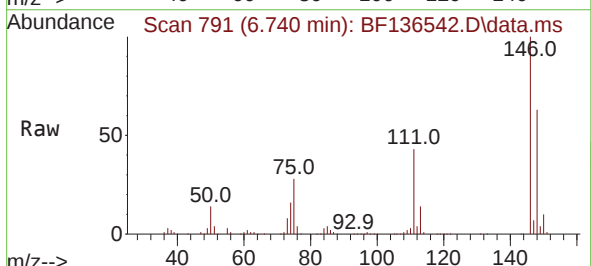
Manual Integrations
APPROVED

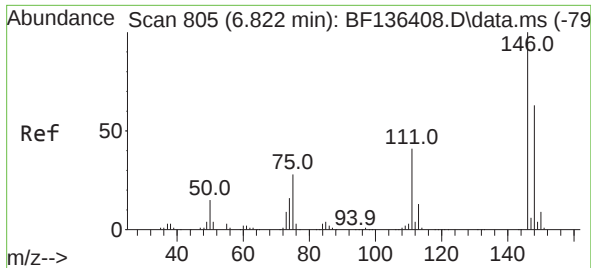
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#12
1,3-Dichlorobenzene
Concen: 37.289 ng
RT: 6.740 min Scan# 791
Delta R.T. -0.006 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

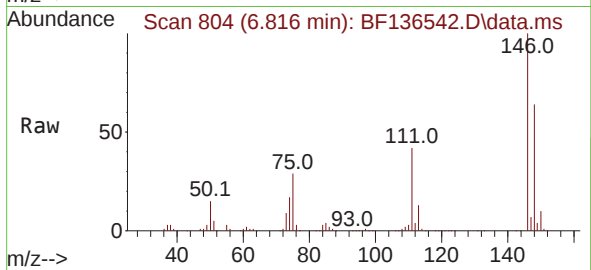
Tgt Ion:146 Resp: 392527
Ion Ratio Lower Upper
146 100
148 63.1 49.0 73.6
75 27.6 21.8 32.6





#13
1,4-Dichlorobenzene
Concen: 37.287 ng
RT: 6.816 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

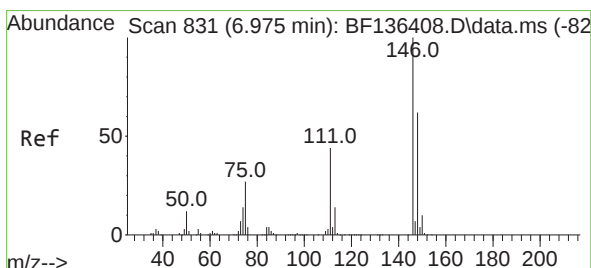
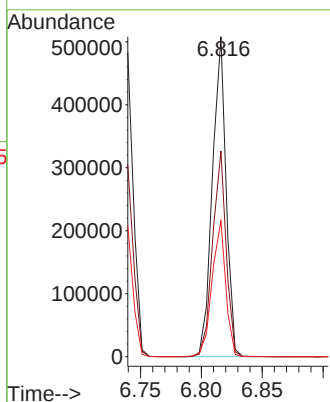
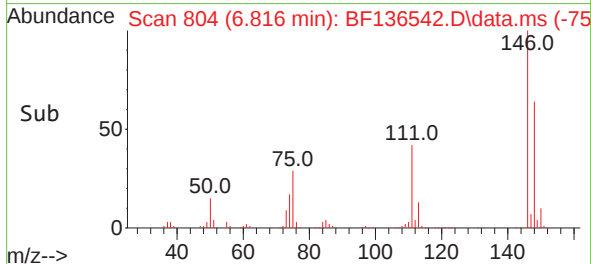
Instrument :
BNA_F
ClientSampleId :
PB157507BS



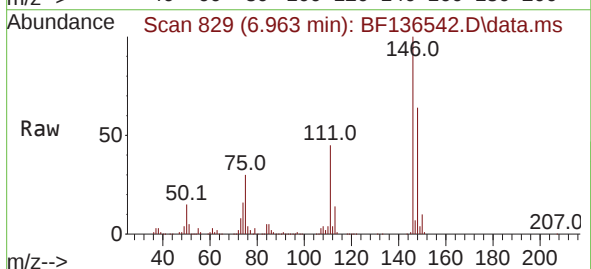
Tgt Ion:146 Resp: 39816
Ion Ratio Lower Upper
146 100
148 64.3 50.3 75.5
111 42.5 32.6 49.0

Manual Integrations
APPROVED

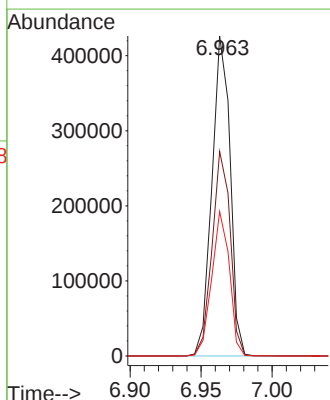
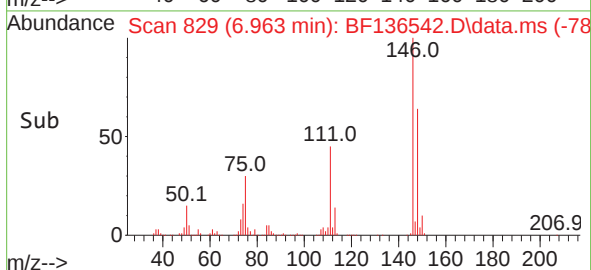
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

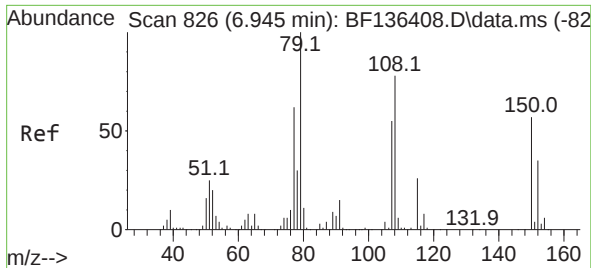


#14
1,2-Dichlorobenzene
Concen: 37.845 ng
RT: 6.963 min Scan# 829
Delta R.T. -0.012 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33



Tgt Ion:146 Resp: 380015
Ion Ratio Lower Upper
146 100
148 63.9 49.8 74.6
111 45.1 34.9 52.3





#15
Benzyl Alcohol
Concen: 41.328 ng
RT: 6.945 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Instrument :

BNA_F

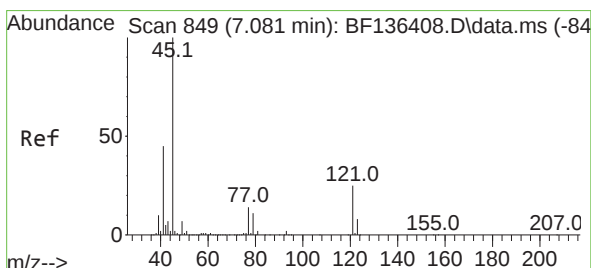
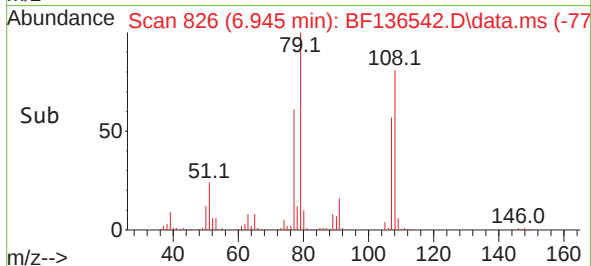
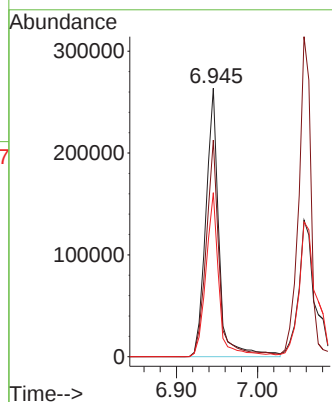
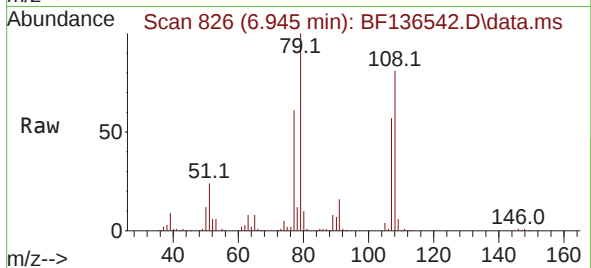
ClientSampleId :

PB157507BS

Tgt Ion: 79 Resp: 296048
Ion Ratio Lower Upper
79 100
108 80.7 62.3 93.5
77 61.1 49.8 74.8

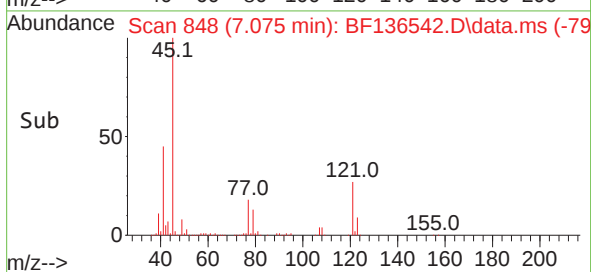
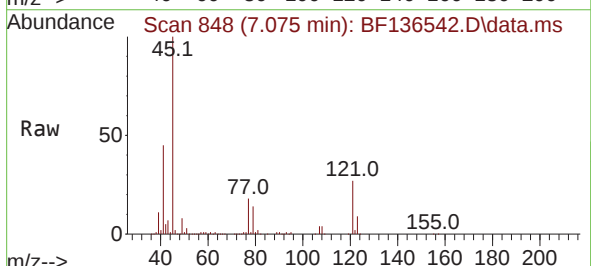
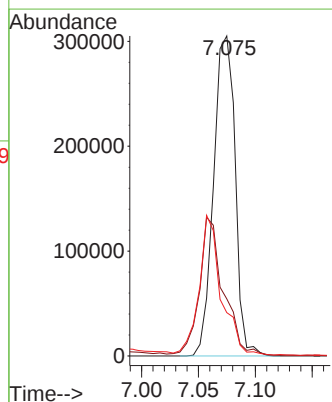
Manual Integrations
APPROVED

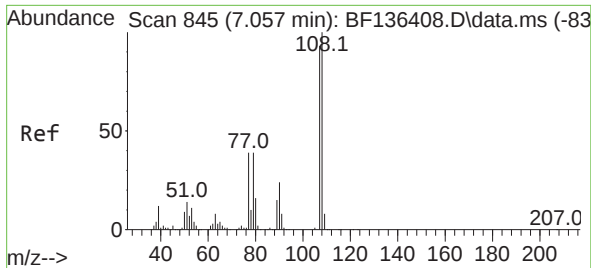
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 36.943 ng
RT: 7.075 min Scan# 848
Delta R.T. -0.006 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

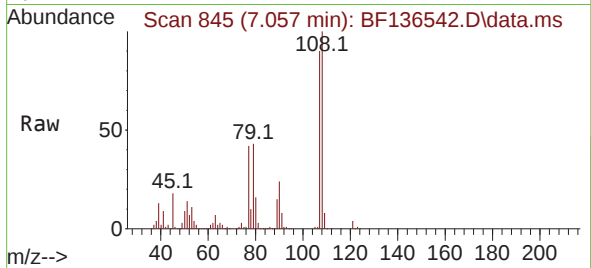
Tgt Ion: 45 Resp: 403150
Ion Ratio Lower Upper
45 100
77 17.8 0.0 35.3
79 13.6 0.0 32.5





#17
2-Methylphenol
Concen: 39.407 ng
RT: 7.057 min Scan# 845
Delta R.T. 0.000 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

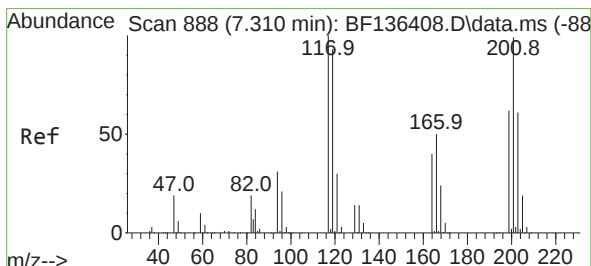
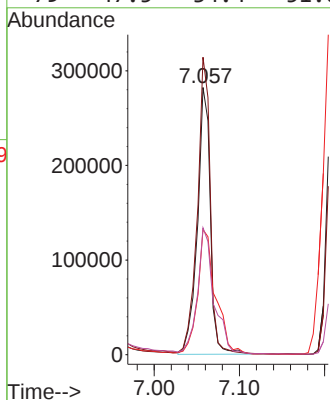
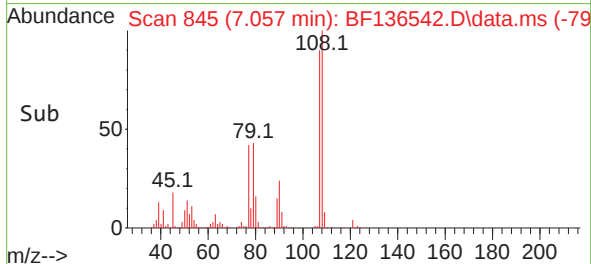
Instrument :
BNA_F
ClientSampleId :
PB157507BS



Tgt Ion:	107	Resp:	29800
Ion Ratio	Lower	Upper	
107	100		
108	111.3	86.5	129.7
77	46.8	33.8	50.8
79	47.5	34.4	51.6

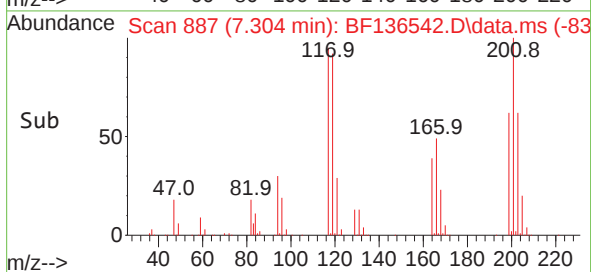
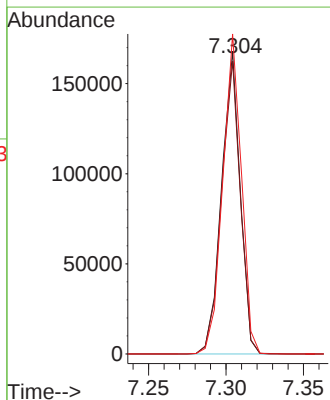
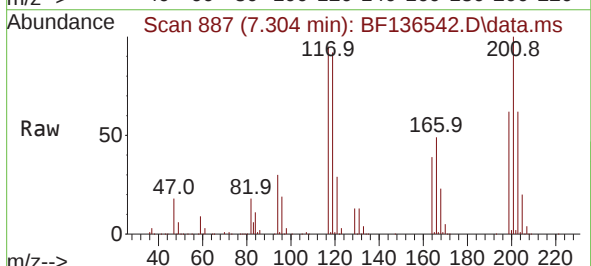
Manual Integrations
APPROVED

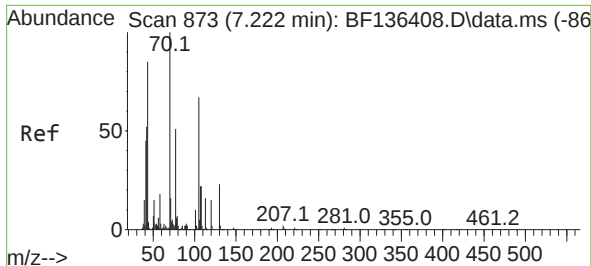
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#18
Hexachloroethane
Concen: 37.708 ng
RT: 7.304 min Scan# 887
Delta R.T. -0.006 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Tgt Ion:	117	Resp:	140580
Ion Ratio	Lower	Upper	
117	100		
119	96.8	74.3	111.5
201	105.7	79.3	118.9





#19
n-Nitroso-di-n-propylamine
Concen: 38.195 ng
RT: 7.216 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Instrument :

BNA_F

ClientSampleId :

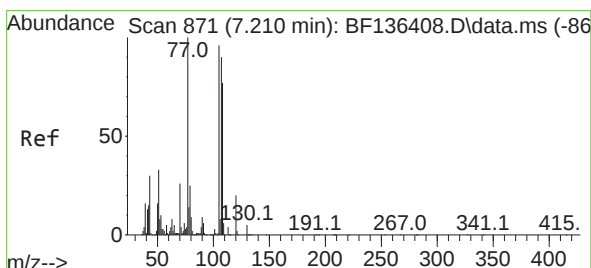
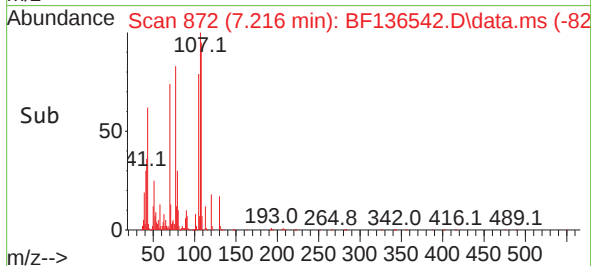
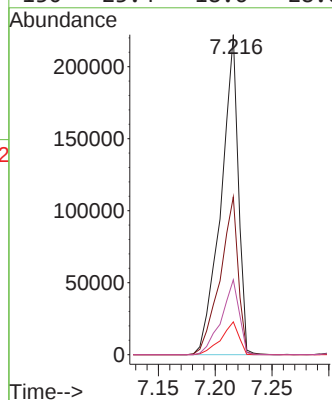
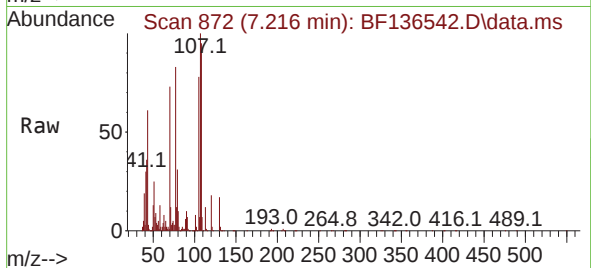
PB157507BS

Tgt Ion: 70 Resp: 235698
Ion Ratio Lower Upper
70 100
42 49.3 41.4 62.0
101 10.3 8.2 12.4
130 23.4 18.6 28.0

Manual Integrations

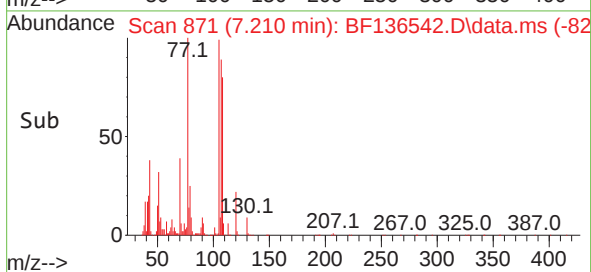
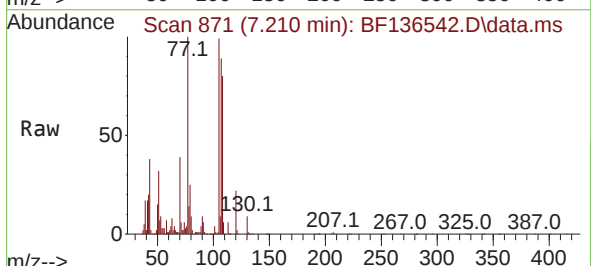
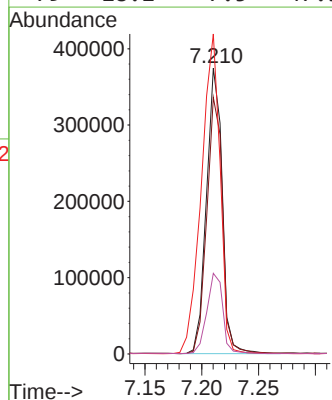
APPROVED

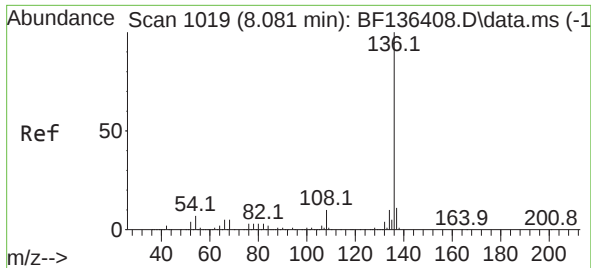
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#20
3+4-Methylphenols
Concen: 38.303 ng
RT: 7.210 min Scan# 871
Delta R.T. 0.000 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Tgt Ion:107 Resp: 359526
Ion Ratio Lower Upper
107 100
108 89.7 65.9 105.9
77 112.0 91.7 131.7
79 28.2 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: BF136542.D
Acq: 13 Dec 2023 17:33

Instrument :

BNA_F

ClientSampleId :

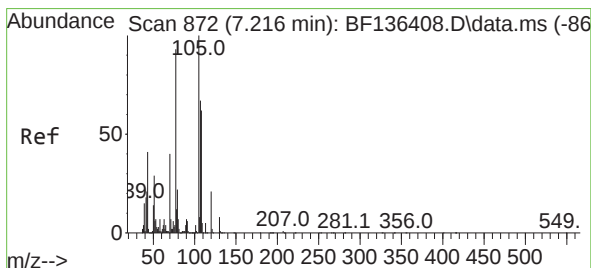
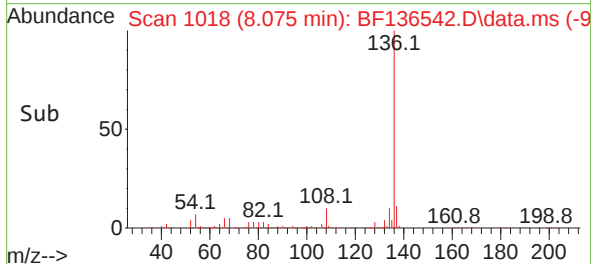
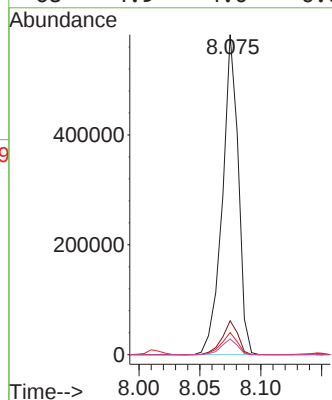
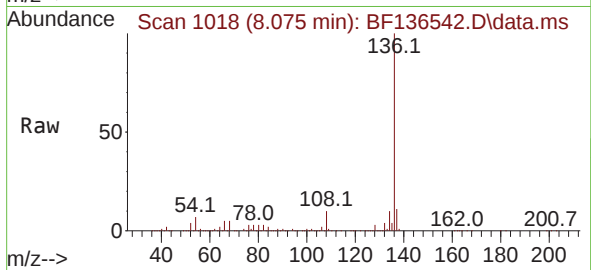
PB157507BS

Tgt Ion:136 Resp: 52935
Ion Ratio Lower Upper
136 100
137 10.6 8.6 12.8
54 6.9 5.7 8.5
68 4.9 4.0 6.0

Manual Integrations

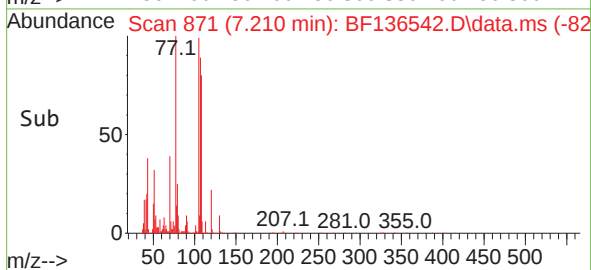
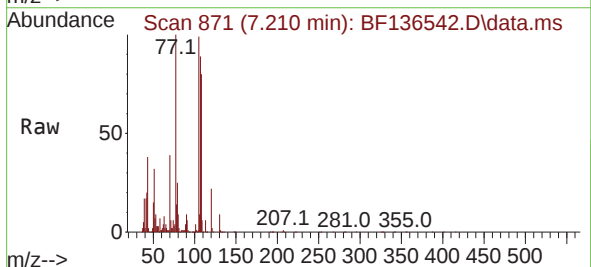
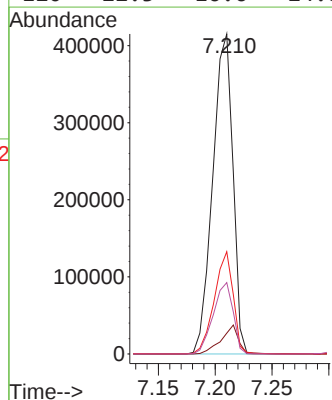
APPROVED

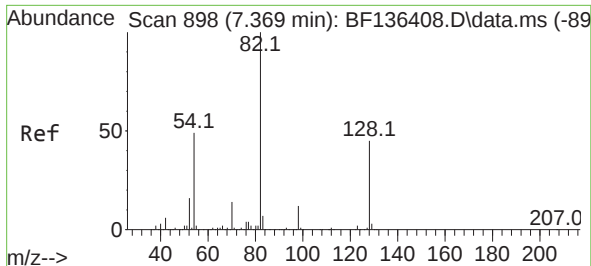
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#22
Acetophenone
Concen: 39.111 ng
RT: 7.210 min Scan# 871
Delta R.T. -0.006 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Tgt Ion:105 Resp: 511243
Ion Ratio Lower Upper
105 100
71 6.5 5.4 8.0
51 32.0 23.4 35.2
120 22.3 16.6 24.8





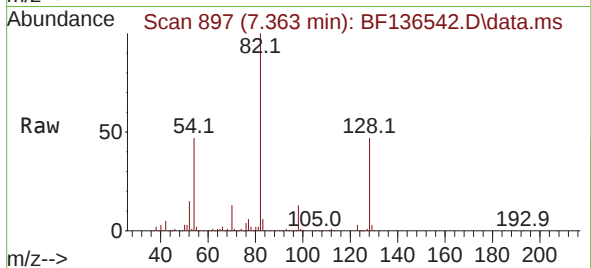
#23
Nitrobenzene-d5
Concen: 73.145 ng
RT: 7.363 min Scan# 898
Delta R.T. -0.006 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Instrument :

BNA_F

ClientSampleId :

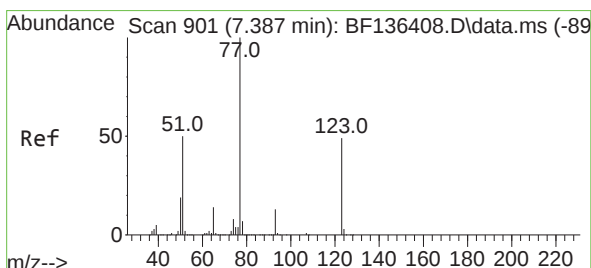
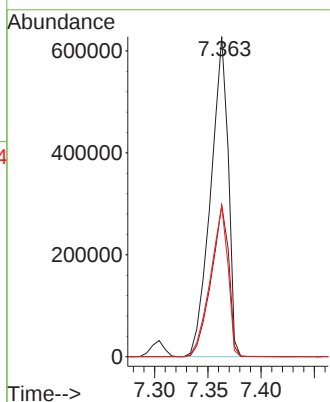
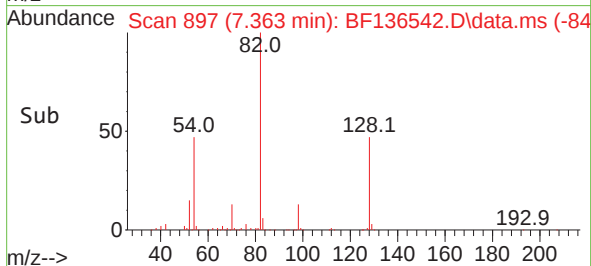
PB157507BS



Tgt Ion: 82 Resp: 716228
Ion Ratio Lower Upper
82 100
128 47.3 36.3 54.5
54 47.1 39.0 58.6

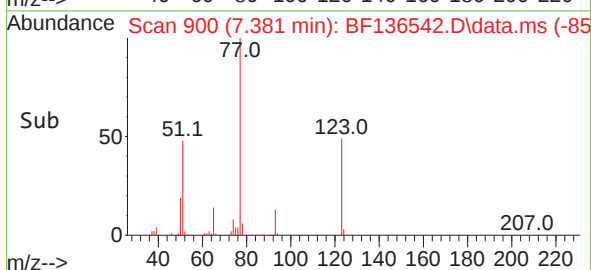
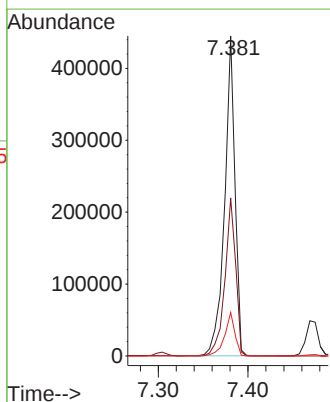
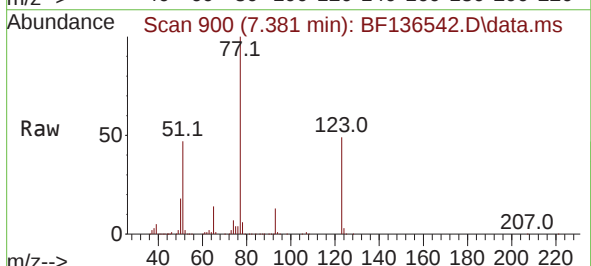
Manual Integrations
APPROVED

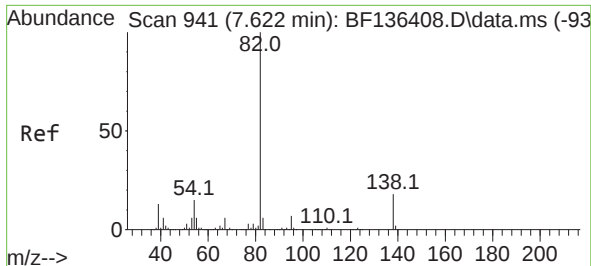
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#24
Nitrobenzene
Concen: 36.378 ng
RT: 7.381 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Tgt Ion: 77 Resp: 358338
Ion Ratio Lower Upper
77 100
123 49.4 39.0 58.6
65 13.6 11.3 16.9





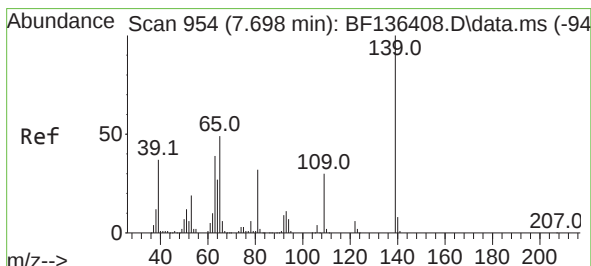
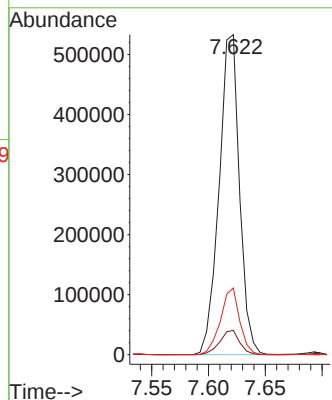
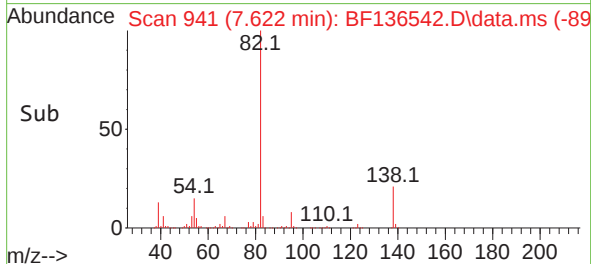
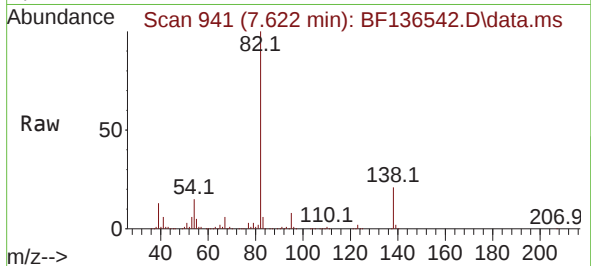
#25
Isophorone
Concen: 37.925 ng
RT: 7.622 min Scan# 941
Delta R.T. 0.000 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Instrument :
BNA_F
ClientSampleId :
PB157507BS

Tgt Ion: 82 Resp: 66717
Ion Ratio Lower Upper
82 100
95 7.6 5.7 8.5
138 20.9 14.5 21.7

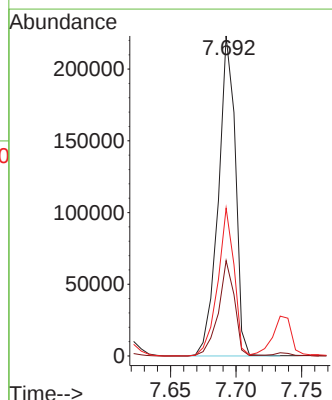
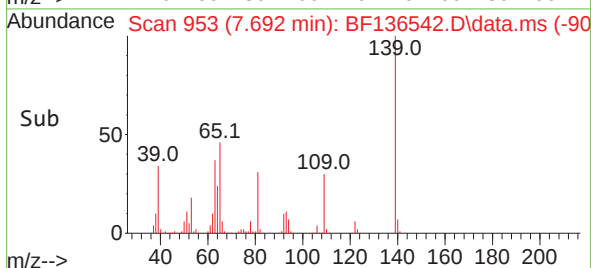
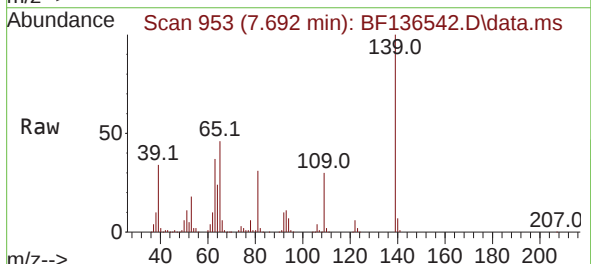
Manual Integrations
APPROVED

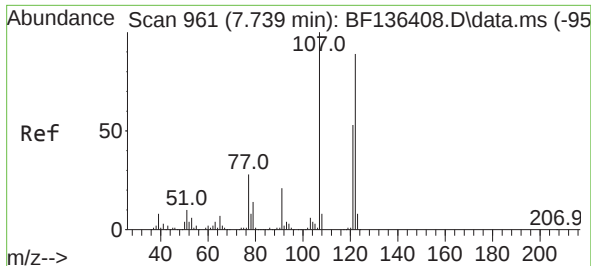
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#26
2-Nitrophenol
Concen: 41.620 ng
RT: 7.692 min Scan# 953
Delta R.T. -0.006 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Tgt Ion:139 Resp: 201549
Ion Ratio Lower Upper
139 100
109 29.8 23.6 35.4
65 46.2 39.4 59.2





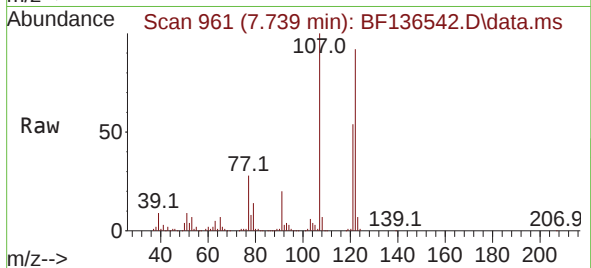
#27
2,4-Dimethylphenol
Concen: 55.345 ng
RT: 7.739 min Scan# 961
Delta R.T. 0.000 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Instrument :

BNA_F

ClientSampleId :

PB157507BS

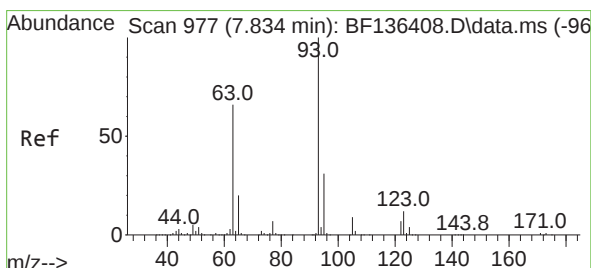
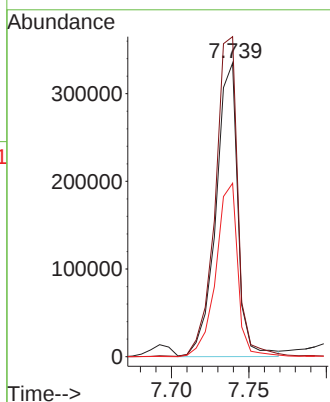
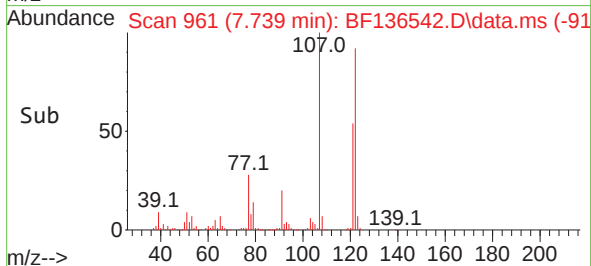


Tgt Ion:122 Resp: 330480
Ion Ratio Lower Upper
122 100
107 109.0 89.3 133.9
121 59.1 47.6 71.4

Manual Integrations

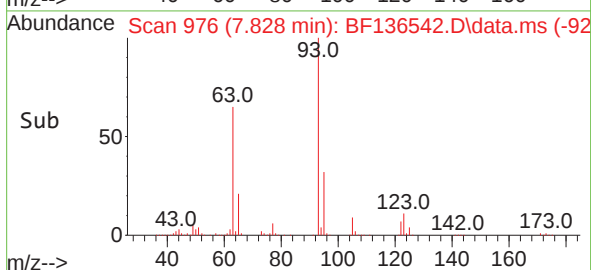
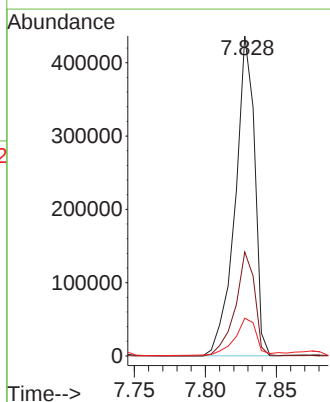
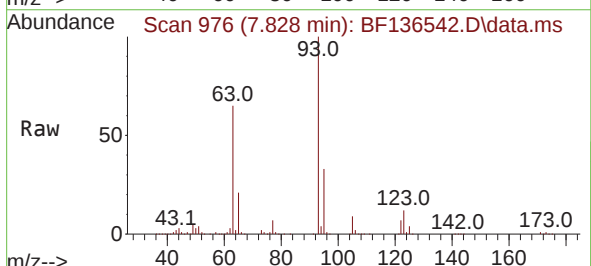
APPROVED

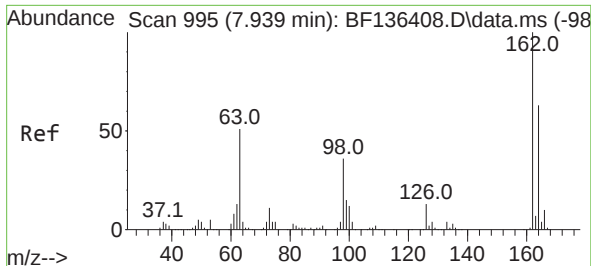
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#28
bis(2-Chloroethoxy)methane
Concen: 38.523 ng
RT: 7.828 min Scan# 976
Delta R.T. -0.006 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Tgt Ion: 93 Resp: 416439
Ion Ratio Lower Upper
93 100
95 32.5 25.0 37.4
123 11.8 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 39.593 ng

RT: 7.939 min Scan# 995

Delta R.T. 0.000 min

Lab File: BF136542.D

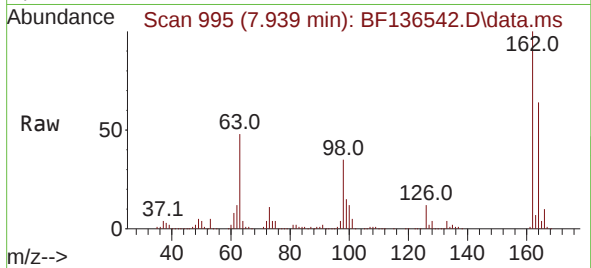
Acq: 13 Dec 2023 17:33

Instrument :

BNA_F

ClientSampleId :

PB157507BS



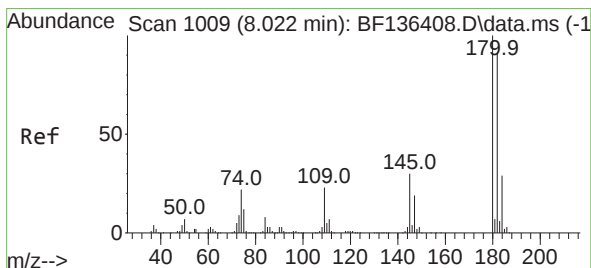
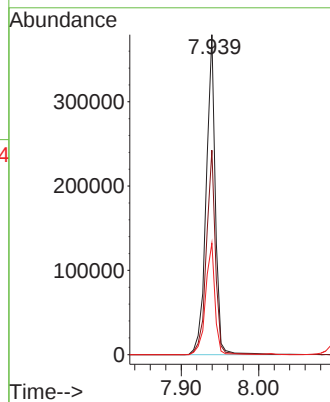
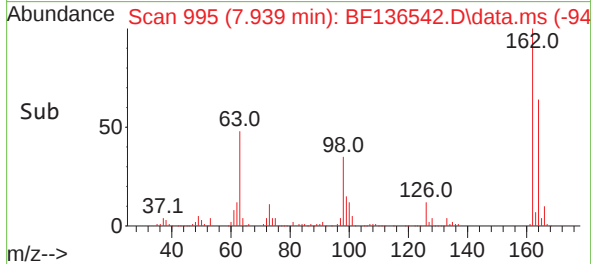
Tgt Ion:162	Resp:	312060
Ion Ratio	Lower	Upper
162	100	
164	63.9	43.0 83.0
98	34.9	16.2 56.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#30

1,2,4-Trichlorobenzene

Concen: 37.860 ng

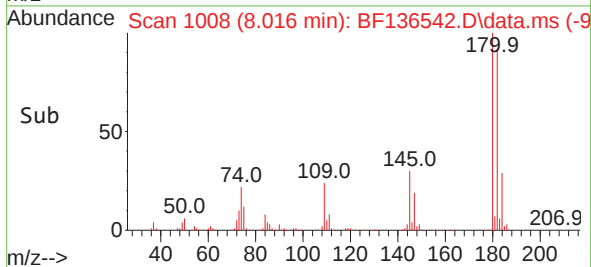
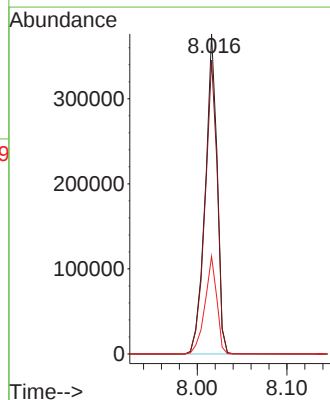
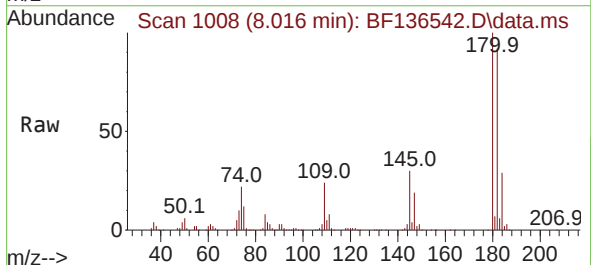
RT: 8.016 min Scan# 1008

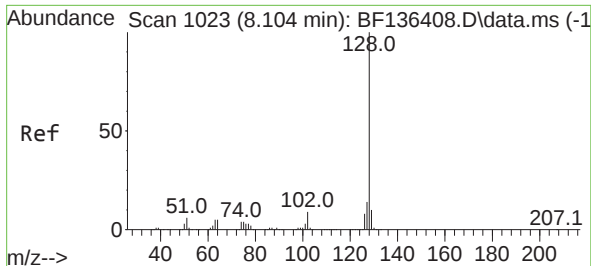
Delta R.T. -0.006 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

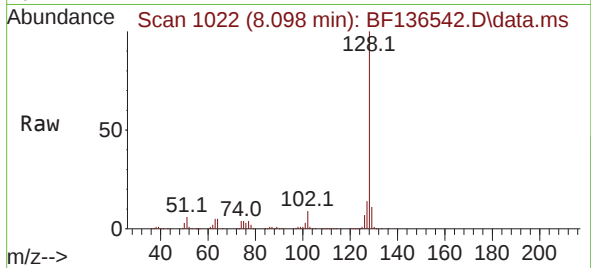
Tgt Ion:180	Resp:	347954
Ion Ratio	Lower	Upper
180	100	
182	91.9	73.1 109.7
145	30.5	23.8 35.8





#31
Naphthalene
Concen: 37.112 ng
RT: 8.098 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

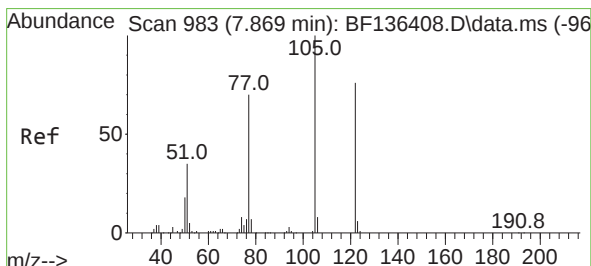
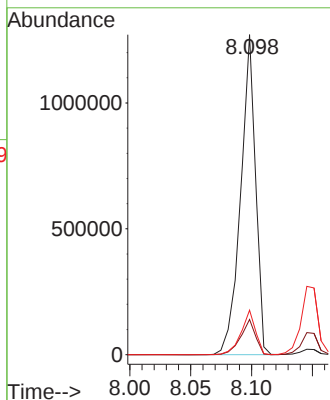
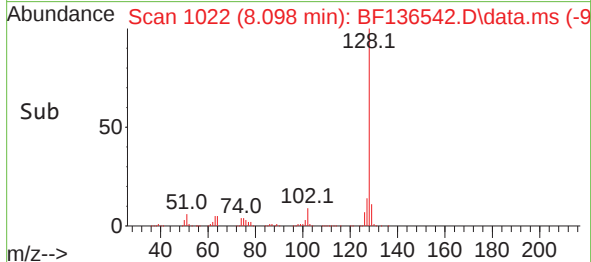
Instrument :
BNA_F
ClientSampleId :
PB157507BS



Tgt Ion:128 Resp: 108335
Ion Ratio Lower Upper
128 100
129 11.0 8.3 12.5
127 13.9 11.1 16.7

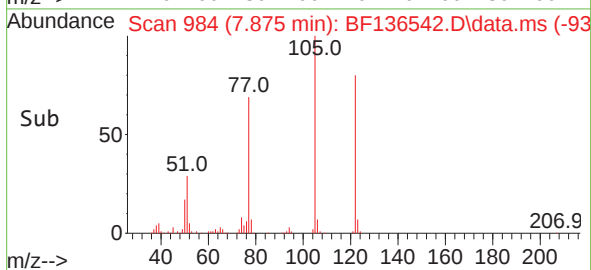
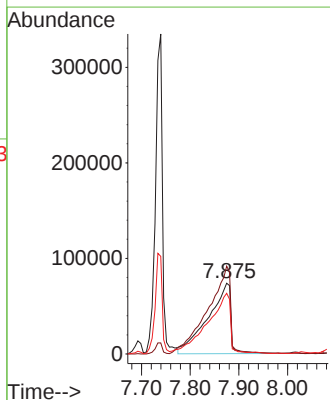
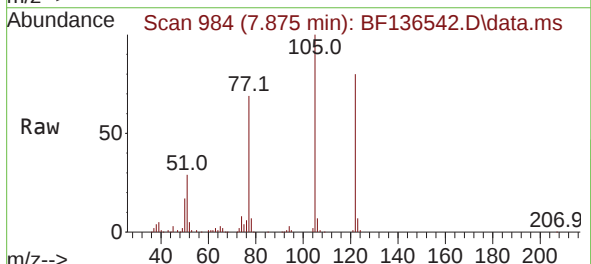
Manual Integrations
APPROVED

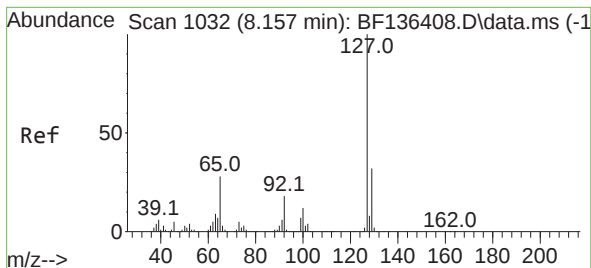
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#32
Benzoic acid
Concen: 40.534 ng
RT: 7.875 min Scan# 984
Delta R.T. 0.006 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Tgt Ion:122 Resp: 240106
Ion Ratio Lower Upper
122 100
105 124.3 104.7 144.7
77 85.8 68.5 108.5





#33
4-Chloroaniline
Concen: 26.111 ng
RT: 8.145 min Scan# 1030
Delta R.T. -0.012 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Instrument :

BNA_F

ClientSampleId :

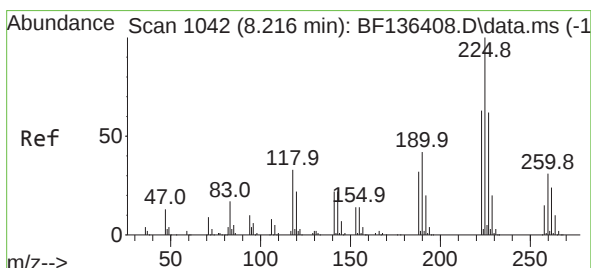
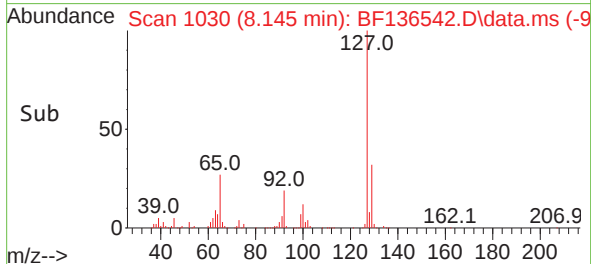
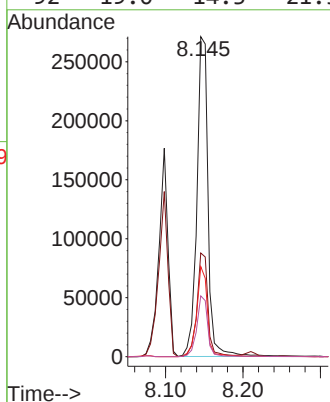
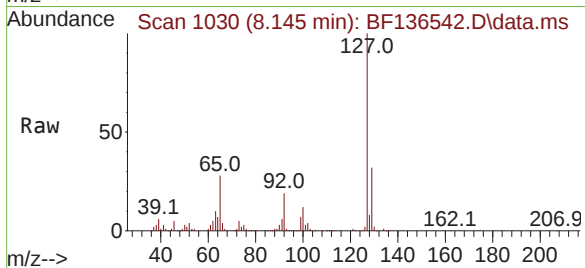
PB157507BS

Tgt Ion:127 Resp: 271734
Ion Ratio Lower Upper
127 100
129 32.4 25.4 38.2
65 28.1 22.5 33.7
92 19.0 14.3 21.5

Manual Integrations

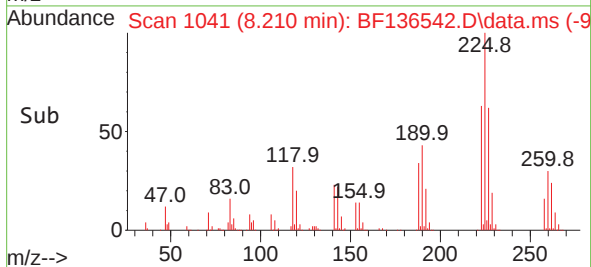
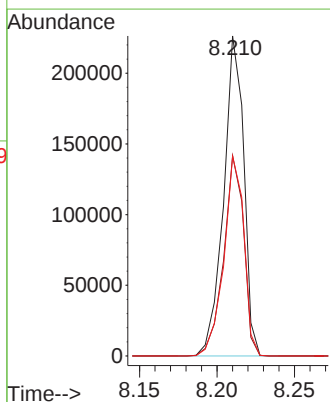
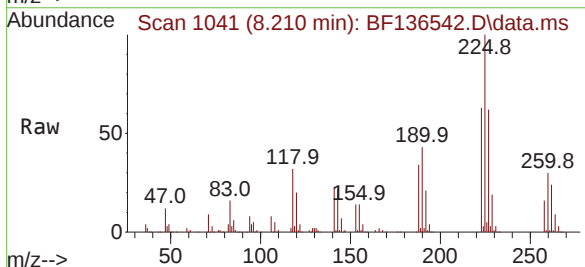
APPROVED

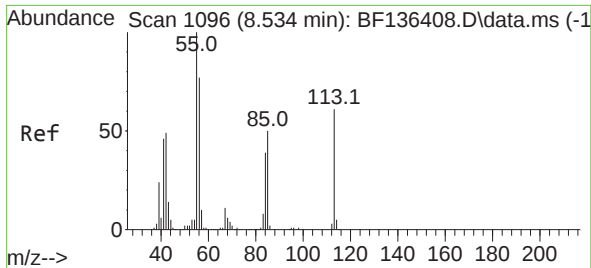
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#34
Hexachlorobutadiene
Concen: 37.583 ng
RT: 8.210 min Scan# 1041
Delta R.T. -0.006 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

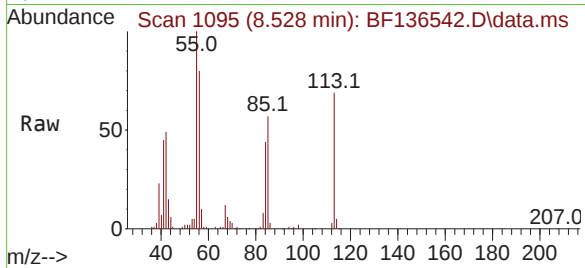
Tgt Ion:225 Resp: 204703
Ion Ratio Lower Upper
225 100
223 62.6 50.8 76.2
227 62.5 49.8 74.8





#35
Caprolactam
Concen: 40.539 ng m
RT: 8.528 min Scan# 1095
Delta R.T. -0.006 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

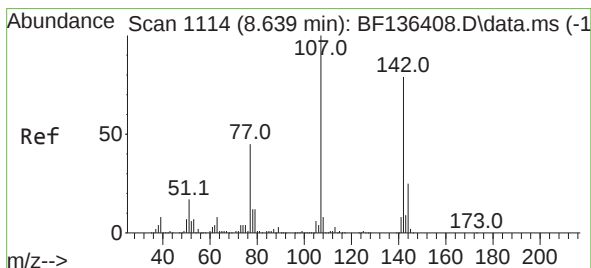
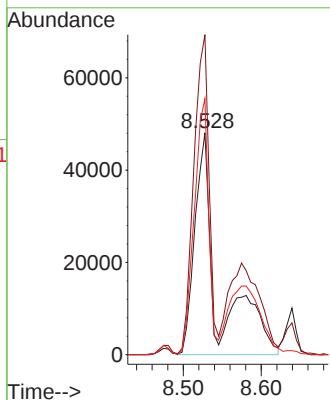
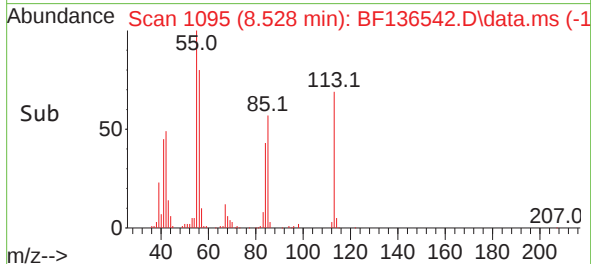
Instrument :
BNA_F
ClientSampleId :
PB157507BS



Tgt Ion:113 Resp: 98395
Ion Ratio Lower Upper
113 100
55 144.2 143.7 183.7
56 115.3 105.2 145.2

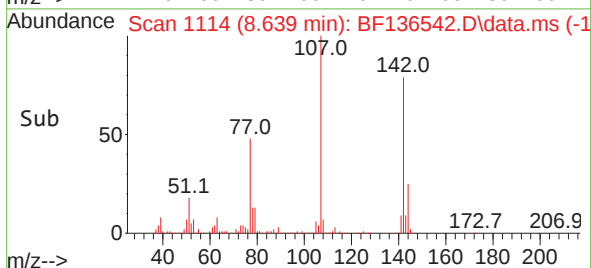
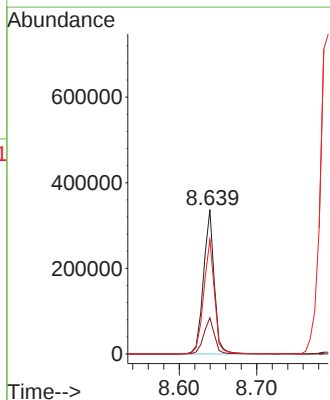
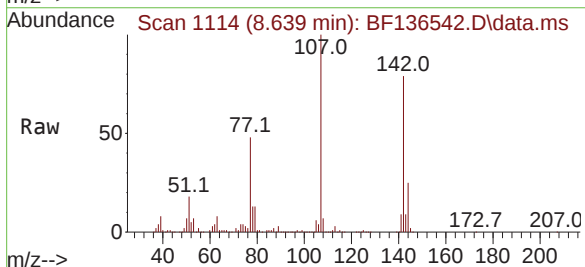
Manual Integrations
APPROVED

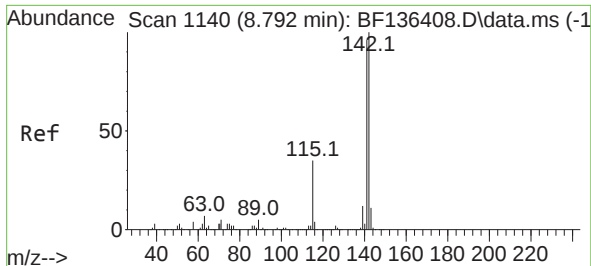
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#36
4-Chloro-3-methylphenol
Concen: 38.774 ng
RT: 8.639 min Scan# 1114
Delta R.T. 0.000 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Tgt Ion:107 Resp: 324487
Ion Ratio Lower Upper
107 100
144 25.1 20.1 30.1
142 79.3 63.1 94.7





#37

2-Methylnaphthalene

Concen: 38.615 ng

RT: 8.792 min Scan# 1140

Delta R.T. 0.000 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

Instrument :

BNA_F

ClientSampleId :

PB157507BS

Tgt Ion:142 Resp: 71713

Ion Ratio Lower Upper

142 100

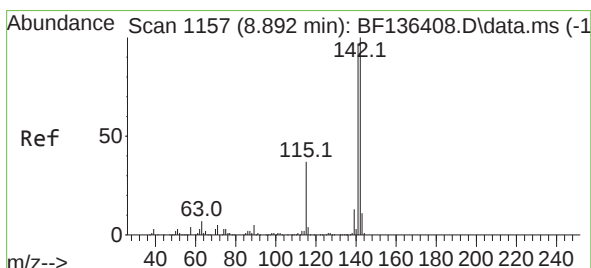
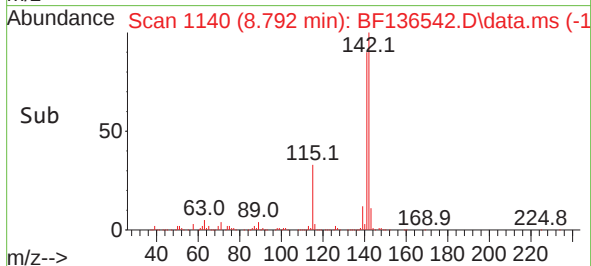
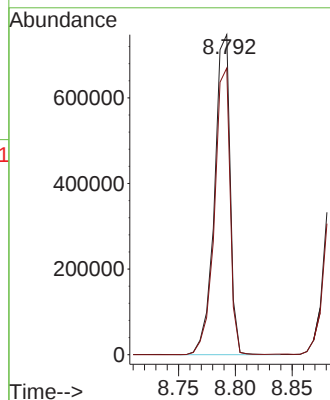
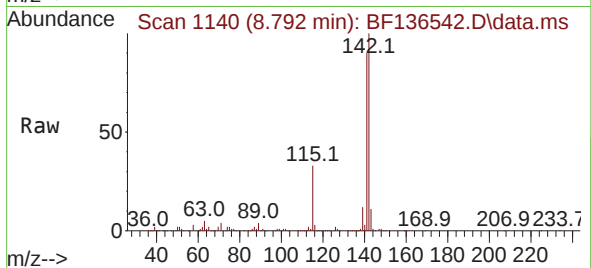
141 89.5 76.4 114.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#38

1-Methylnaphthalene

Concen: 36.261 ng

RT: 8.886 min Scan# 1156

Delta R.T. -0.006 min

Lab File: BF136542.D

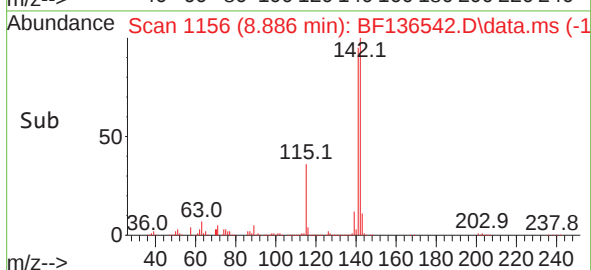
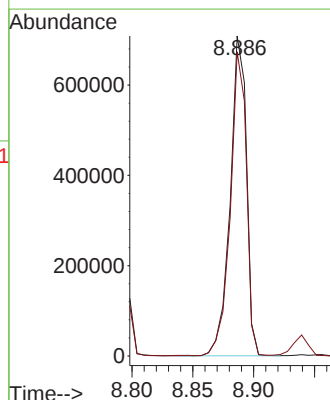
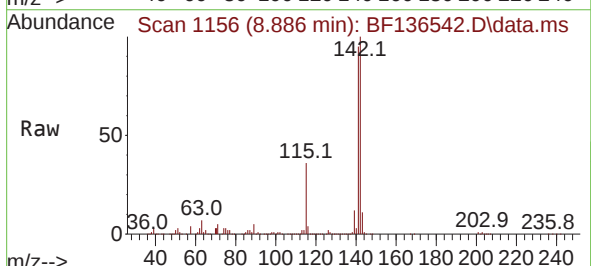
Acq: 13 Dec 2023 17:33

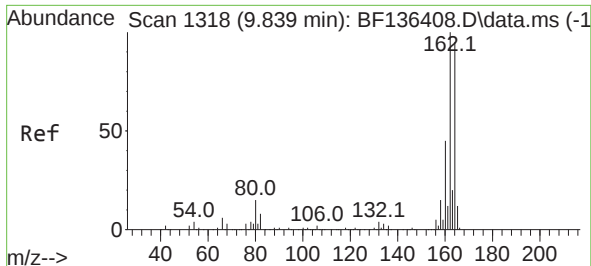
Tgt Ion:142 Resp: 660811

Ion Ratio Lower Upper

142 100

141 95.1 77.7 116.5





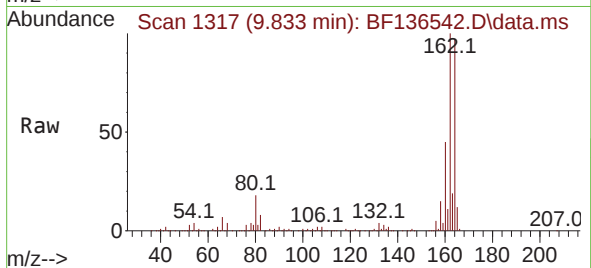
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.833 min Scan# 1168
Delta R.T. -0.006 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Instrument :

BNA_F

ClientSampleId :

PB157507BS



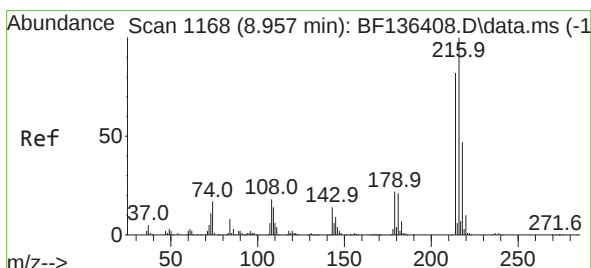
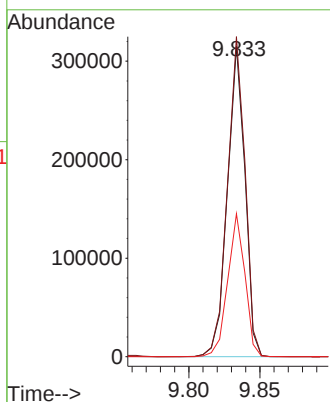
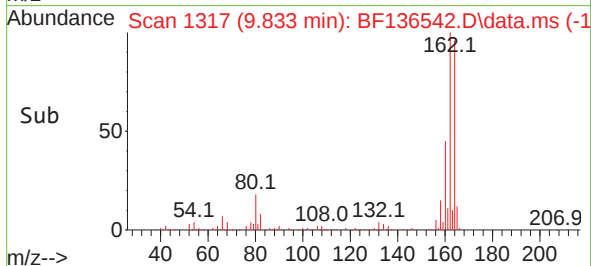
Tgt Ion:164 Resp: 271158
Ion Ratio Lower Upper
164 100
162 103.1 84.4 126.6
160 46.0 37.6 56.4

Manual Integrations

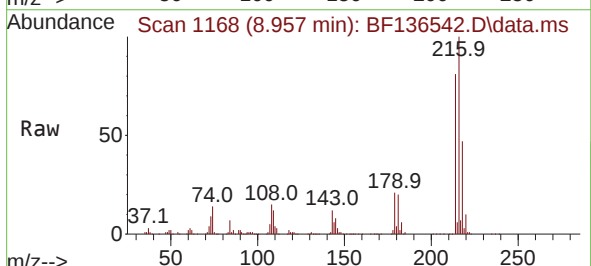
APPROVED

Reviewed By :Yogesh Patel 12/14/2023

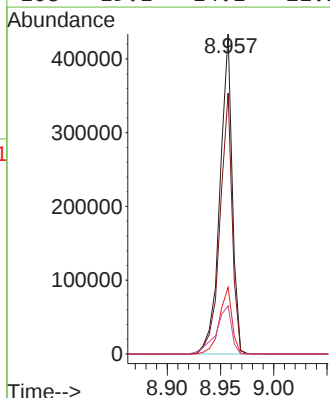
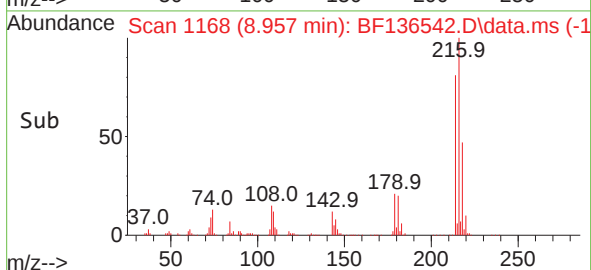
Supervised By :mohammad ahmed 12/14/2023

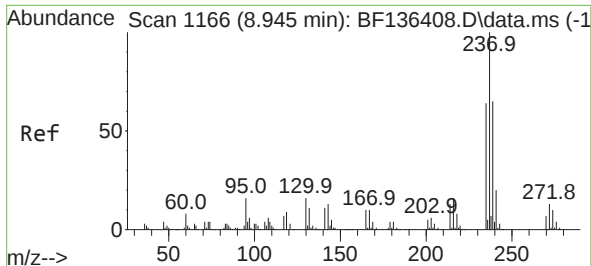


#40
1,2,4,5-Tetrachlorobenzene
Concen: 41.050 ng
RT: 8.957 min Scan# 1168
Delta R.T. 0.000 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33



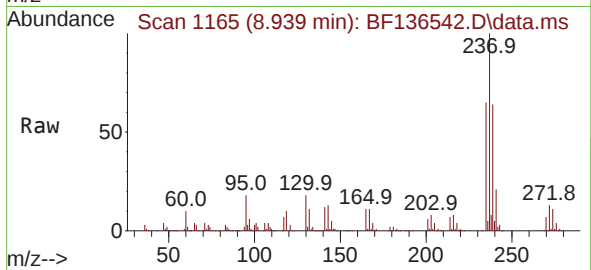
Tgt Ion:216 Resp: 346295
Ion Ratio Lower Upper
216 100
214 80.7 64.1 96.1
179 21.1 17.0 25.6
108 19.1 14.1 21.1





#41
Hexachlorocyclopentadiene
Concen: 109.990 ng
RT: 8.939 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

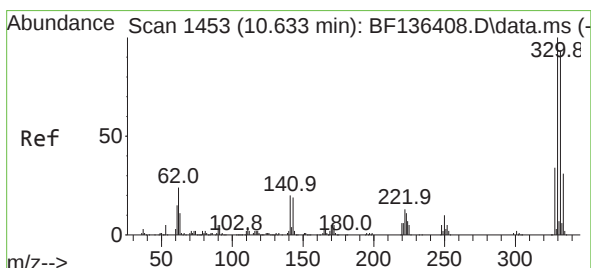
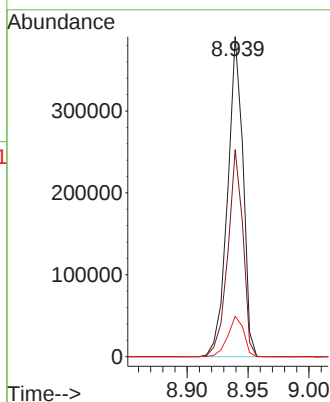
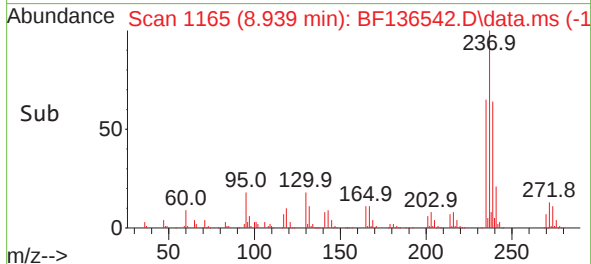
Instrument :
BNA_F
ClientSampleId :
PB157507BS



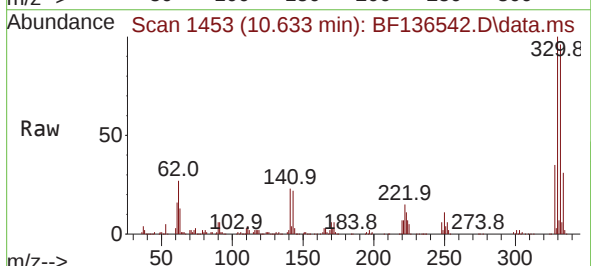
Tgt Ion:237 Resp: 343754
Ion Ratio Lower Upper
237 100
235 64.7 44.1 84.1
272 12.6 0.0 33.3

Manual Integrations
APPROVED

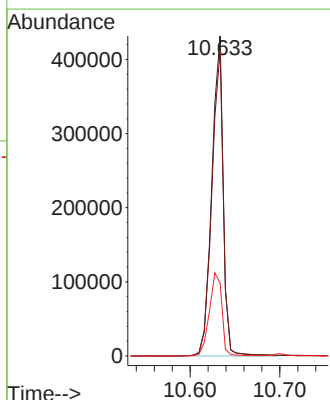
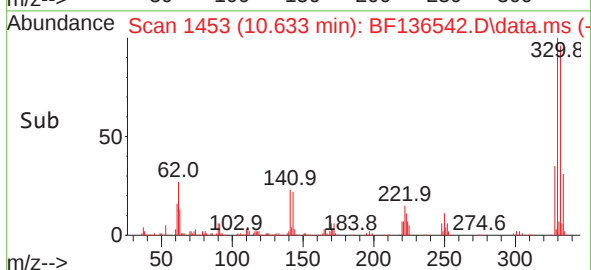
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

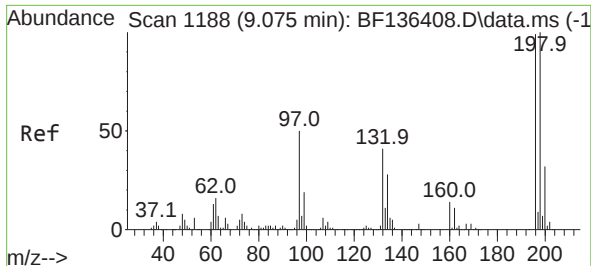


#42
2,4,6-Tribromophenol
Concen: 114.145 ng
RT: 10.633 min Scan# 1453
Delta R.T. 0.000 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33



Tgt Ion:330 Resp: 381629
Ion Ratio Lower Upper
330 100
332 95.6 76.4 114.6
141 28.5 23.4 35.2





#43

2,4,6-Trichlorophenol

Concen: 41.513 ng

RT: 9.069 min Scan# 1187

Delta R.T. -0.006 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

Instrument :

BNA_F

ClientSampleId :

PB157507BS

Tgt Ion:196 Resp: 228029

Ion Ratio Lower Upper

196 100

198 98.5 80.4 120.6

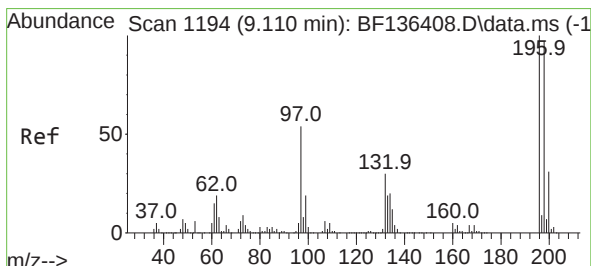
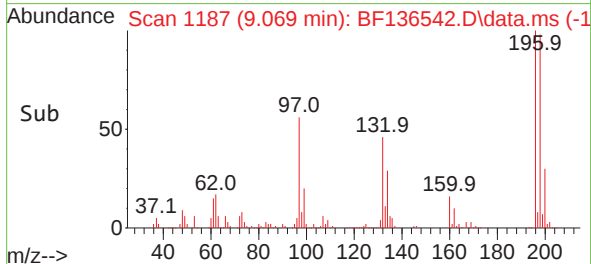
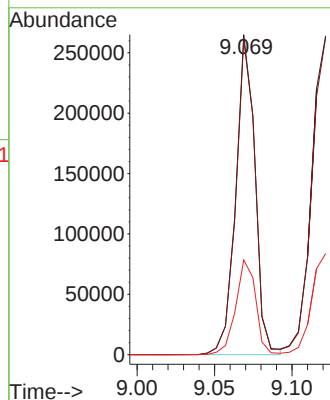
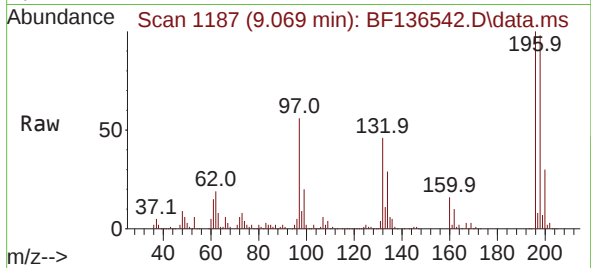
200 29.6 25.9 38.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#44

2,4,5-Trichlorophenol

Concen: 39.545 ng

RT: 9.122 min Scan# 1196

Delta R.T. 0.012 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

Tgt Ion:196 Resp: 242439

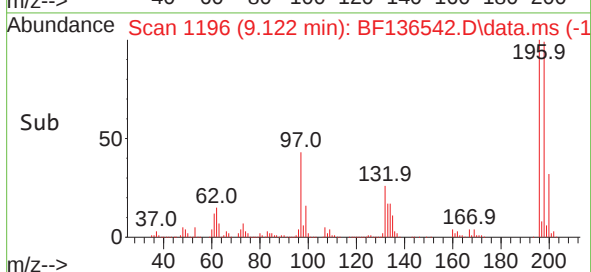
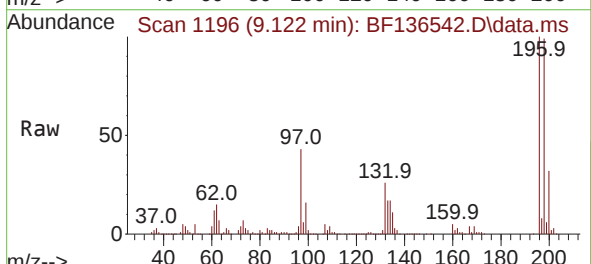
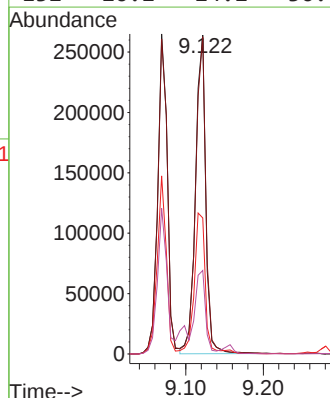
Ion Ratio Lower Upper

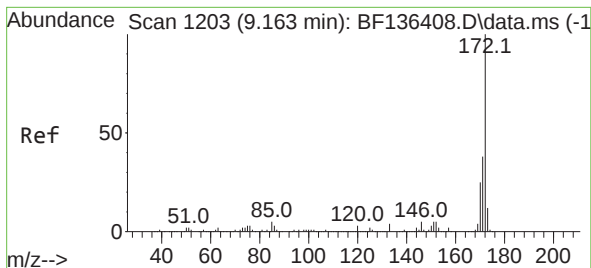
196 100

198 99.5 78.1 117.1

97 42.6 43.4 65.2#

132 26.2 24.2 36.4





#45

2-Fluorobiphenyl

Concen: 74.489 ng

RT: 9.157 min Scan# 1202

Delta R.T. -0.006 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

Instrument :

BNA_F

ClientSampleId :

PB157507BS

Tgt Ion:172 Resp: 1480250

Ion Ratio Lower Upper

172 100

171 36.7 30.5 45.7

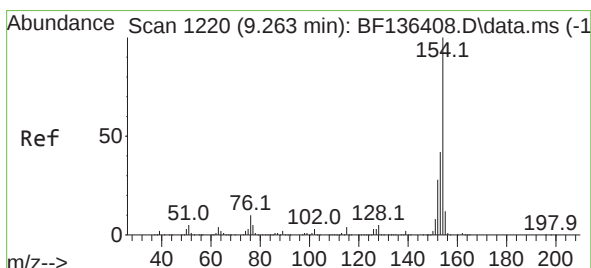
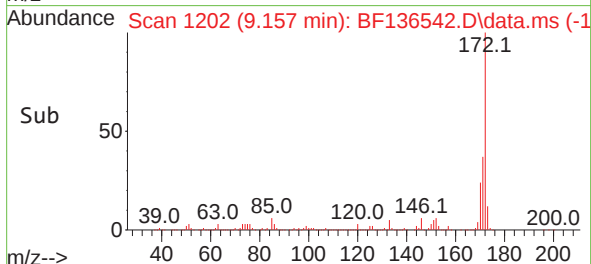
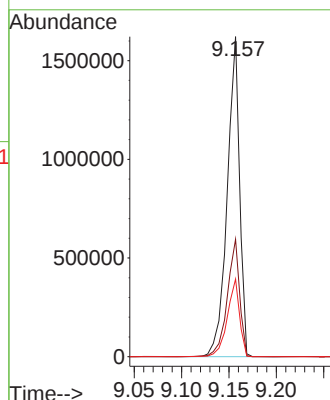
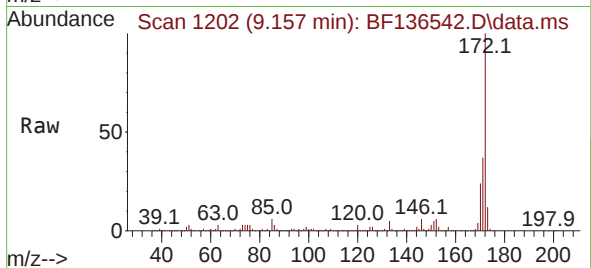
170 24.2 19.9 29.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#46

1,1'-Biphenyl

Concen: 39.312 ng

RT: 9.257 min Scan# 1219

Delta R.T. -0.006 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

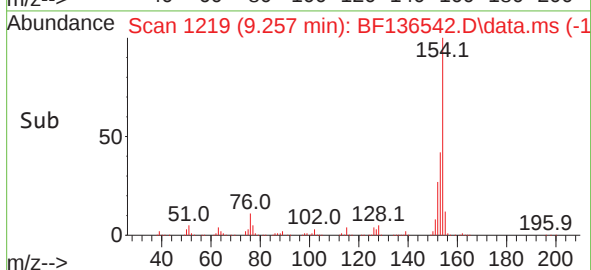
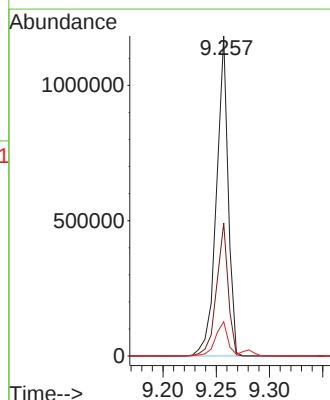
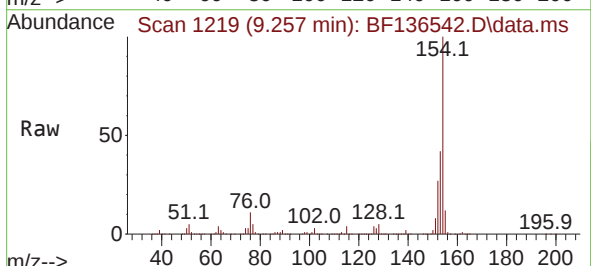
Tgt Ion:154 Resp: 907018

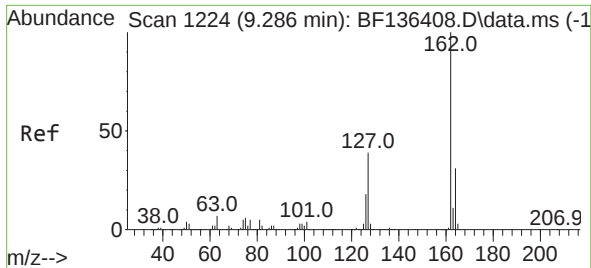
Ion Ratio Lower Upper

154 100

153 41.5 22.5 62.5

76 10.7 0.0 29.9





#47
2-Chloronaphthalene
Concen: 38.080 ng
RT: 9.281 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Instrument :

BNA_F

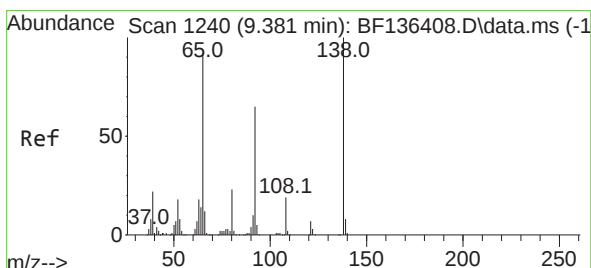
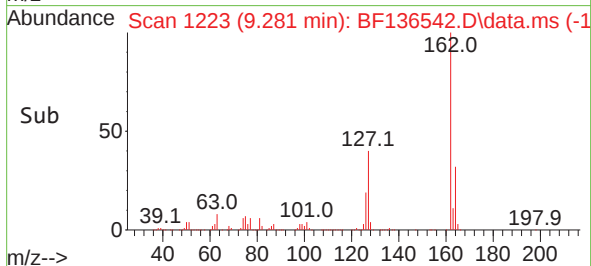
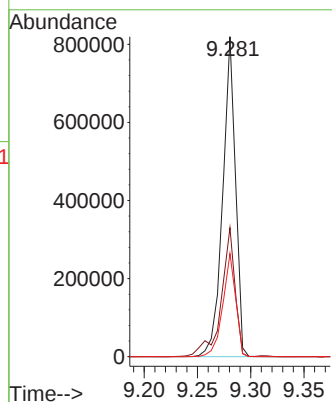
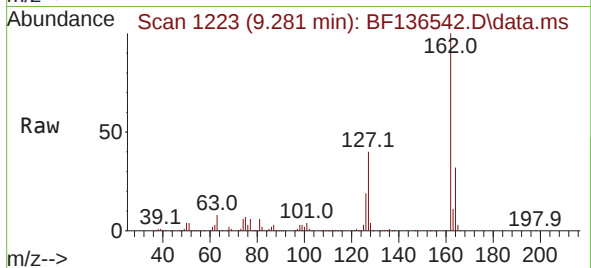
ClientSampleId :

PB157507BS

Tgt Ion:162 Resp: 683840
Ion Ratio Lower Upper
162 100
127 40.3 31.1 46.7
164 32.3 24.6 37.0

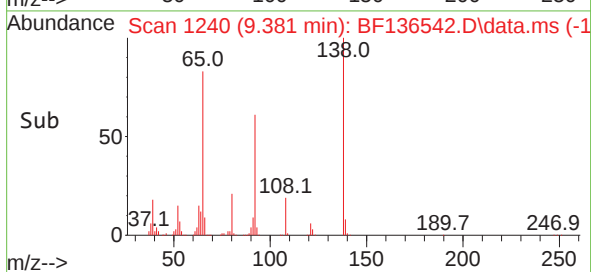
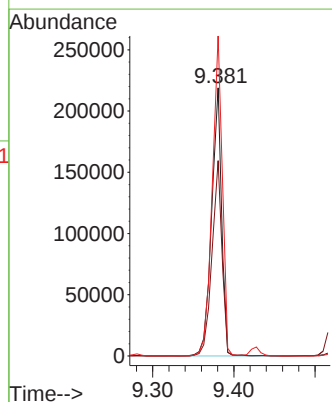
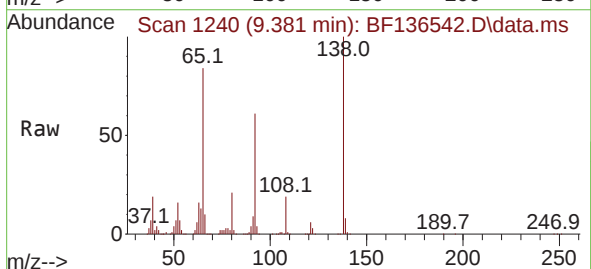
Manual Integrations
APPROVED

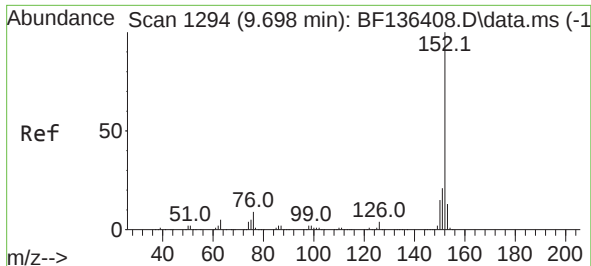
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#48
2-Nitroaniline
Concen: 38.960 ng
RT: 9.381 min Scan# 1240
Delta R.T. 0.000 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Tgt Ion: 65 Resp: 187646
Ion Ratio Lower Upper
65 100
92 72.8 56.1 84.1
138 119.3 86.7 130.1





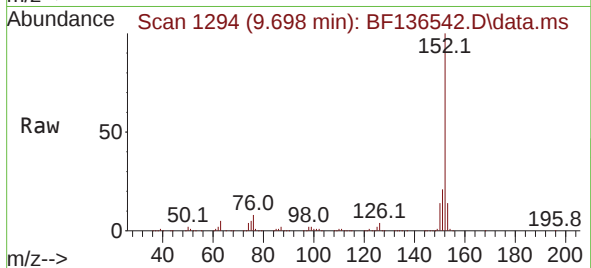
#49
Acenaphthylene
Concen: 39.379 ng
RT: 9.698 min Scan# 1294
Delta R.T. 0.000 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Instrument :

BNA_F

ClientSampleId :

PB157507BS

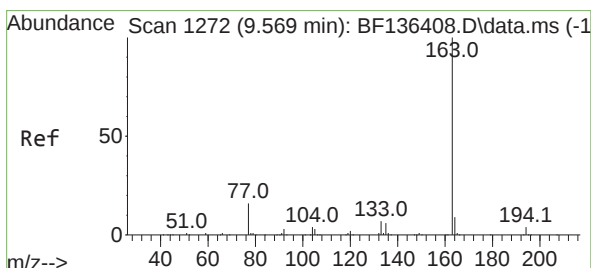
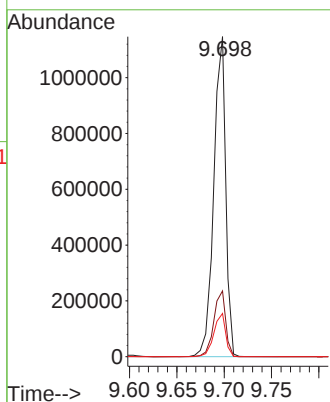
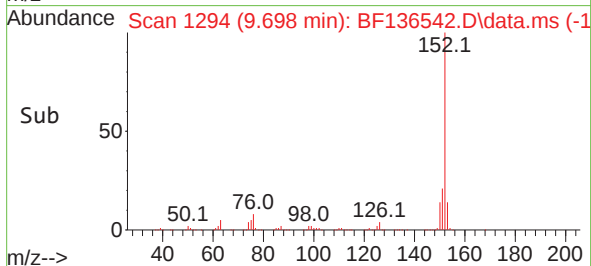


Tgt Ion:152 Resp: 1007374
Ion Ratio Lower Upper
152 100
151 20.5 17.2 25.8
153 13.5 10.6 15.8

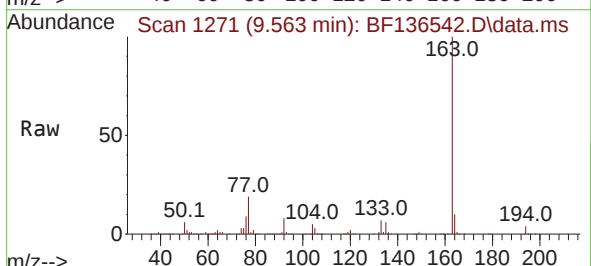
Manual Integrations

APPROVED

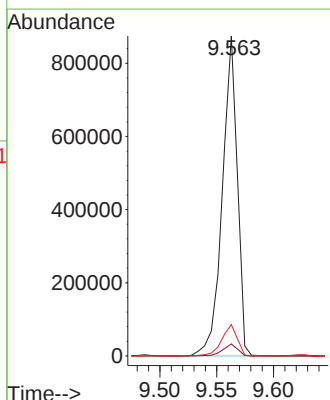
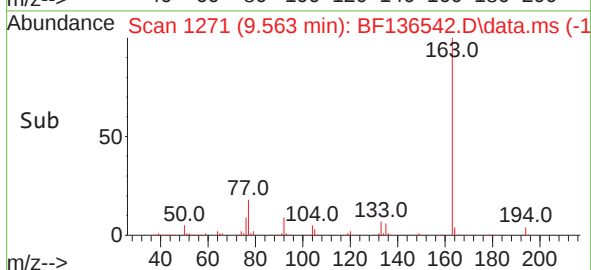
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

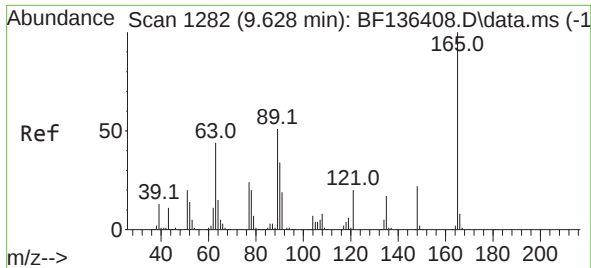


#50
Dimethylphthalate
Concen: 40.315 ng
RT: 9.563 min Scan# 1271
Delta R.T. -0.006 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33



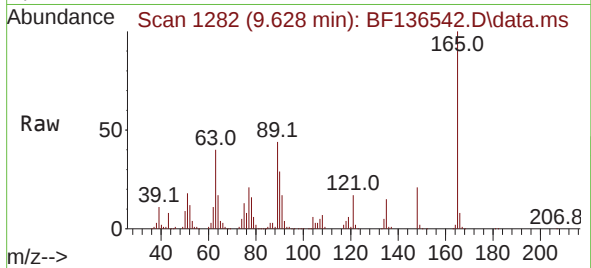
Tgt Ion:163 Resp: 804825
Ion Ratio Lower Upper
163 100
194 3.8 3.0 4.6
164 9.8 7.4 11.2





#51
2,6-Dinitrotoluene
Concen: 40.062 ng
RT: 9.628 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

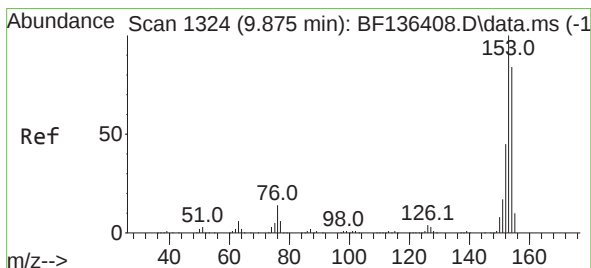
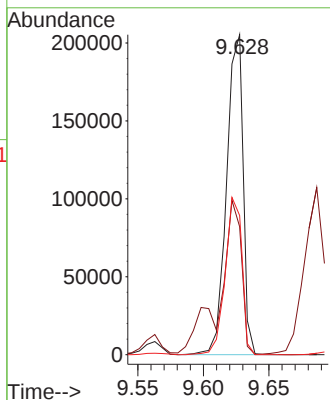
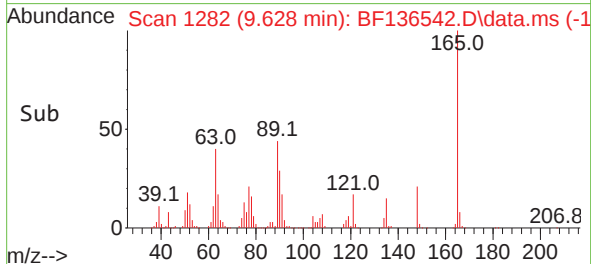
Instrument :
BNA_F
ClientSampleId :
PB157507BS



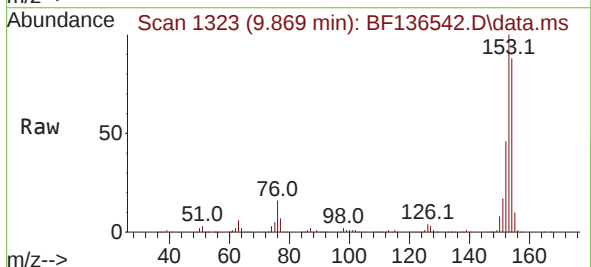
Tgt Ion:165 Resp: 179925
Ion Ratio Lower Upper
165 100
63 40.0 40.4 60.6
89 43.5 40.6 60.8

Manual Integrations
APPROVED

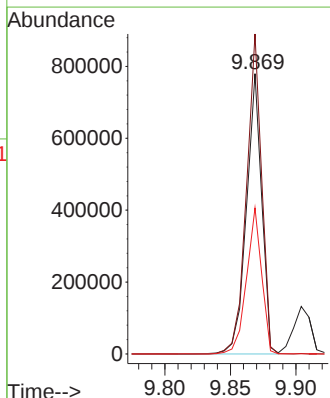
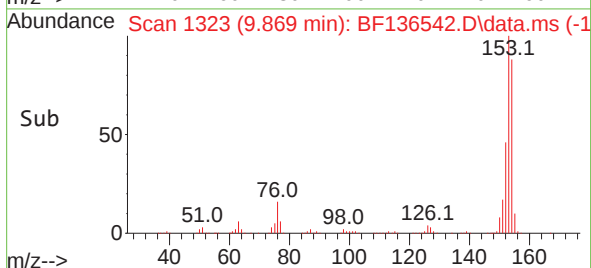
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

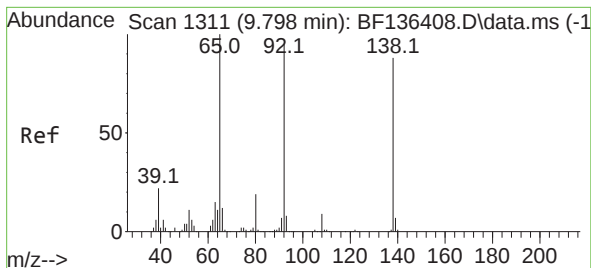


#52
Acenaphthene
Concen: 38.674 ng
RT: 9.869 min Scan# 1323
Delta R.T. -0.006 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33



Tgt Ion:154 Resp: 633973
Ion Ratio Lower Upper
154 100
153 114.2 95.3 142.9
152 52.1 43.2 64.8





#53
3-Nitroaniline
Concen: 31.503 ng
RT: 9.792 min Scan# 111
Delta R.T. -0.006 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Instrument :

BNA_F

ClientSampleId :

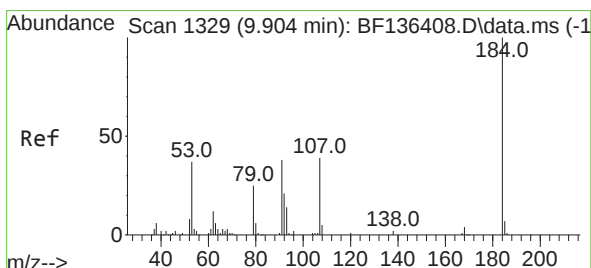
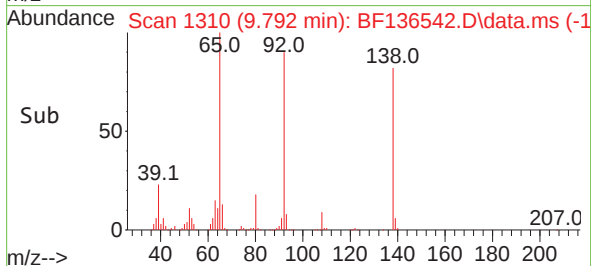
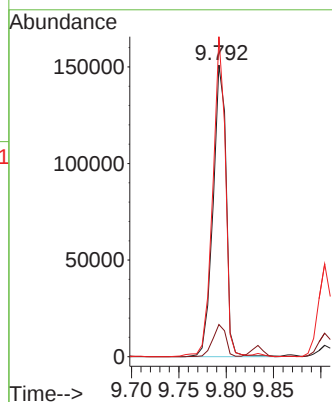
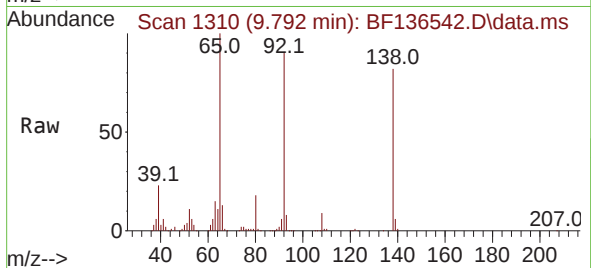
PB157507BS

Tgt Ion:138 Resp: 14448
Ion Ratio Lower Upper
138 100
108 11.0 8.5 12.7
92 109.7 86.1 129.1

Manual Integrations

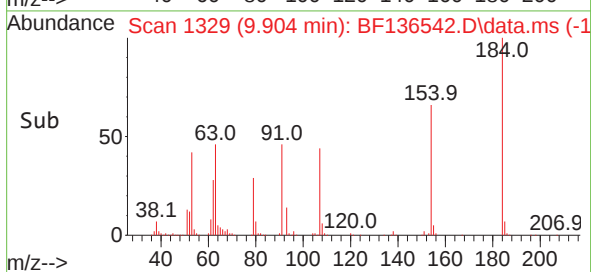
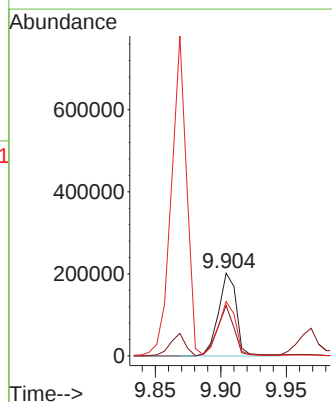
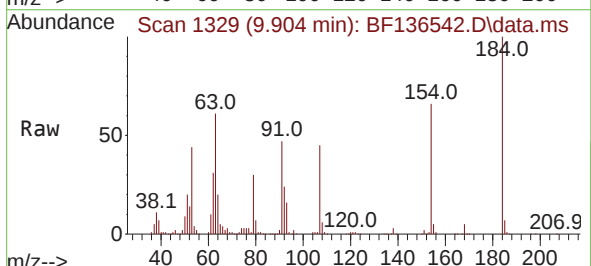
APPROVED

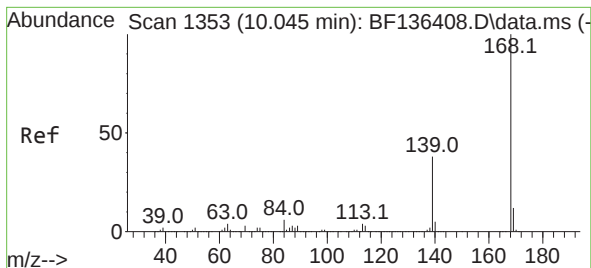
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#54
2,4-Dinitrophenol
Concen: 85.050 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.000 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Tgt Ion:184 Resp: 193128
Ion Ratio Lower Upper
184 100
63 60.9 39.1 58.7#
154 65.7 49.9 74.9





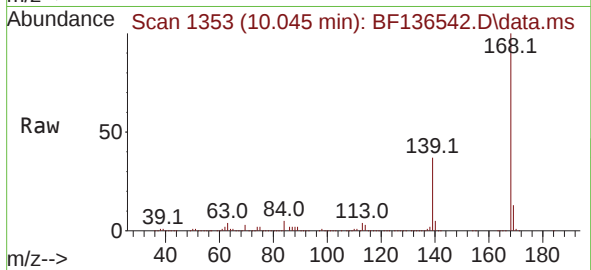
#55
Dibenzofuran
Concen: 39.492 ng
RT: 10.045 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Instrument :

BNA_F

ClientSampleId :

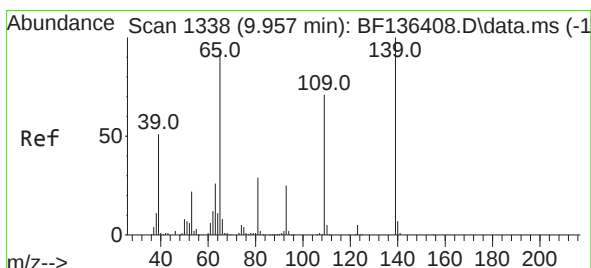
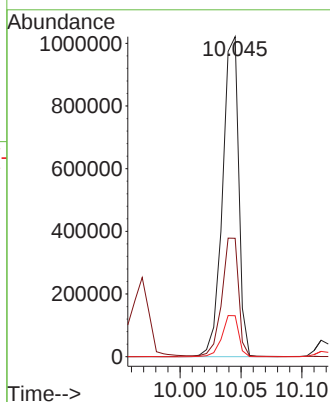
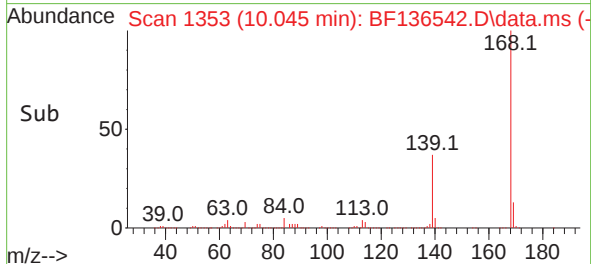
PB157507BS



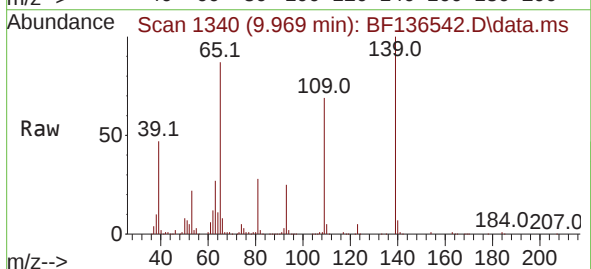
Tgt Ion:168 Resp: 945758
Ion Ratio Lower Upper
168 100
139 37.0 30.4 45.6
169 12.8 9.9 14.9

Manual Integrations
APPROVED

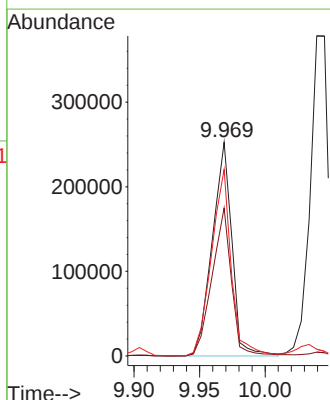
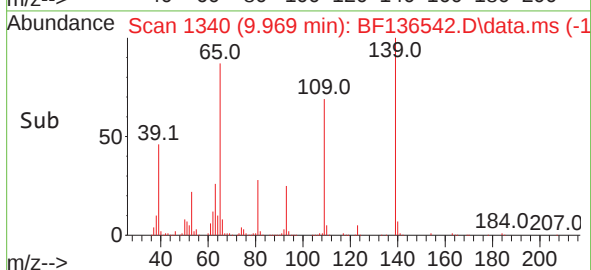
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

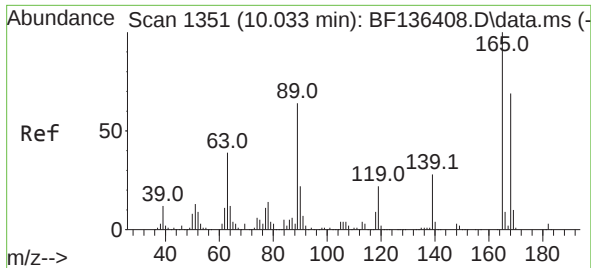


#56
4-Nitrophenol
Concen: 76.519 ng
RT: 9.969 min Scan# 1340
Delta R.T. 0.012 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33



Tgt Ion:139 Resp: 263078
Ion Ratio Lower Upper
139 100
109 69.2 50.6 90.6
65 87.3 73.1 113.1





#57
2,4-Dinitrotoluene
Concen: 39.035 ng
RT: 10.033 min Scan# 1351
Delta R.T. 0.000 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Instrument :

BNA_F

ClientSampleId :

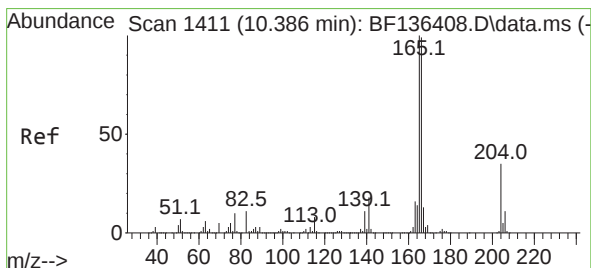
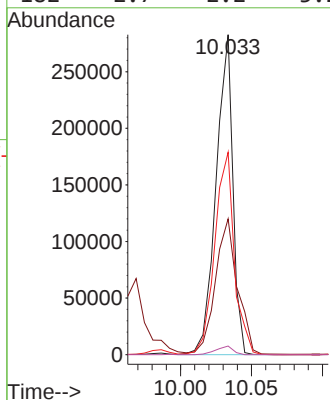
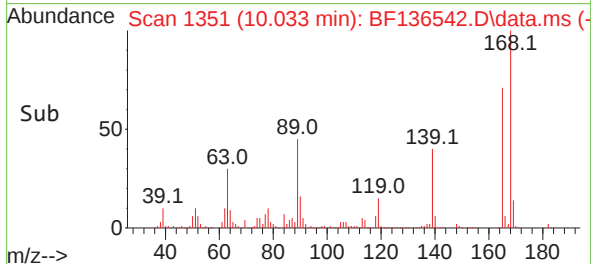
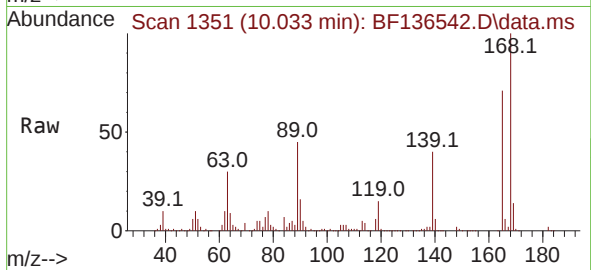
PB157507BS

Tgt Ion:165 Resp: 23191
Ion Ratio Lower Upper
165 100
63 42.5 31.4 47.2
89 63.3 51.7 77.5
182 2.7 2.2 3.2

Manual Integrations

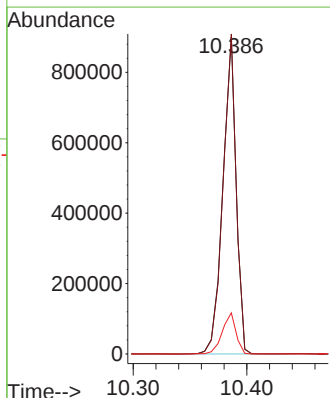
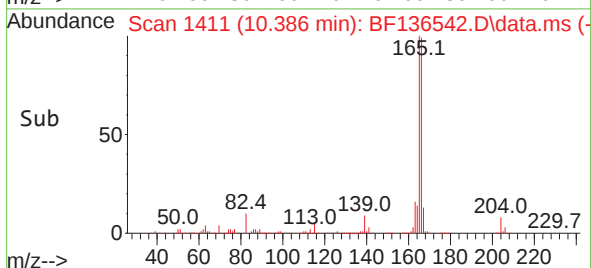
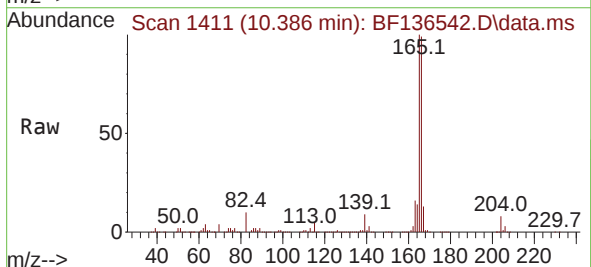
APPROVED

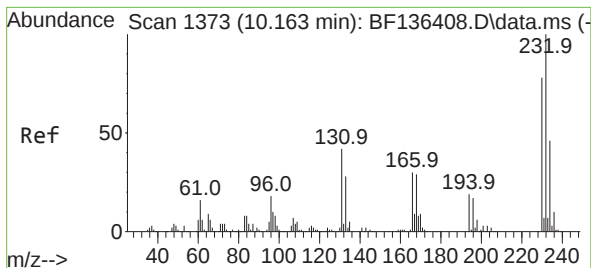
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#58
Fluorene
Concen: 38.224 ng
RT: 10.386 min Scan# 1411
Delta R.T. 0.000 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

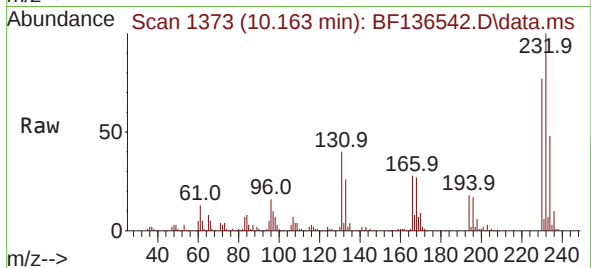
Tgt Ion:166 Resp: 734805
Ion Ratio Lower Upper
166 100
165 100.9 80.5 120.7
167 13.0 10.5 15.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 42.220 ng
RT: 10.163 min Scan# 1373
Delta R.T. 0.000 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

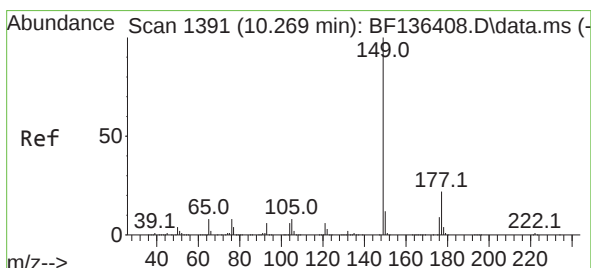
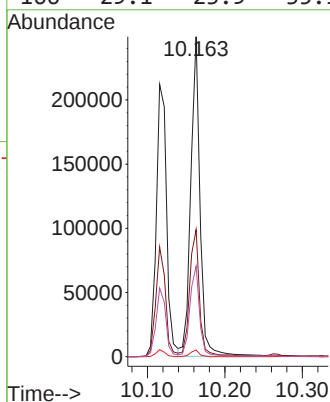
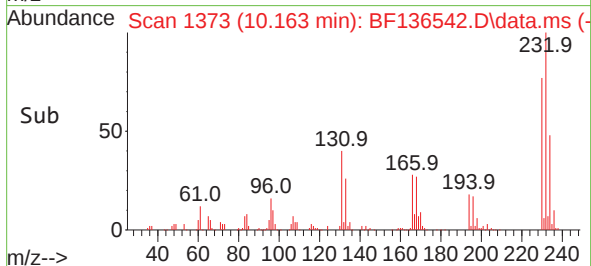
Instrument :
BNA_F
ClientSampleId :
PB157507BS



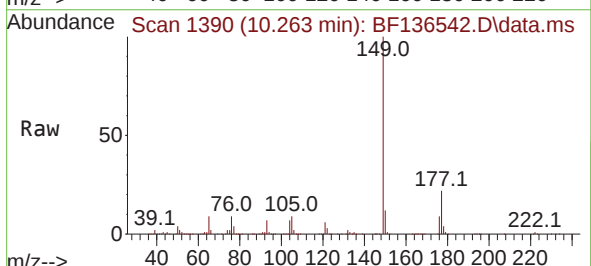
Tgt Ion:232 Resp: 207329
Ion Ratio Lower Upper
232 100
131 41.6 34.3 51.5
130 2.0 1.6 2.4
166 29.1 23.9 35.9

Manual Integrations
APPROVED

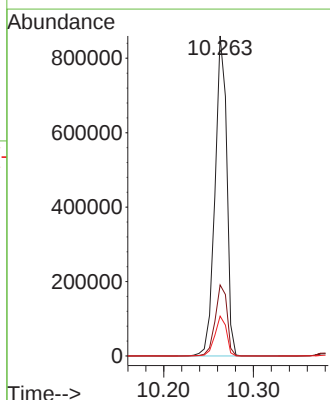
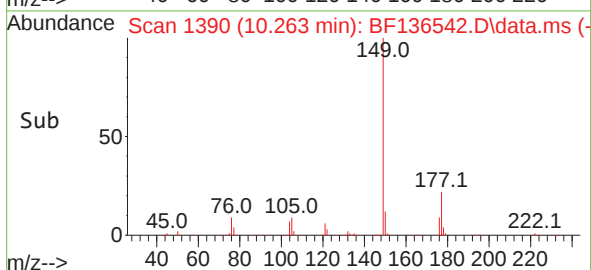
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

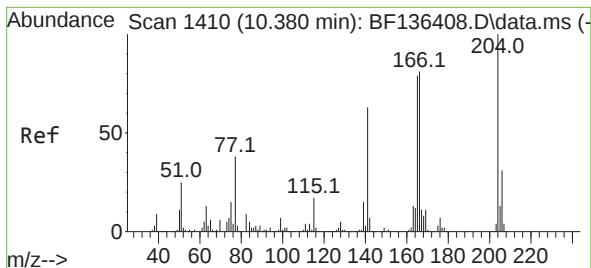


#60
Diethylphthalate
Concen: 39.798 ng
RT: 10.263 min Scan# 1390
Delta R.T. -0.006 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33



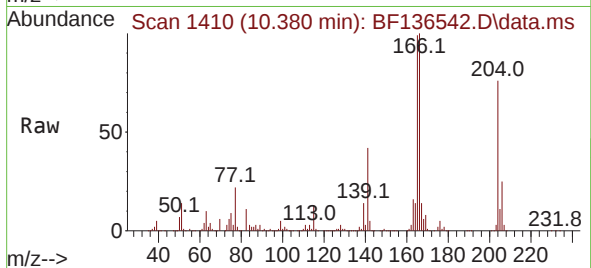
Tgt Ion:149 Resp: 781255
Ion Ratio Lower Upper
149 100
177 22.2 17.8 26.8
150 12.5 9.4 14.0





#61
4-Chlorophenyl-phenylether
Concen: 39.447 ng
RT: 10.380 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

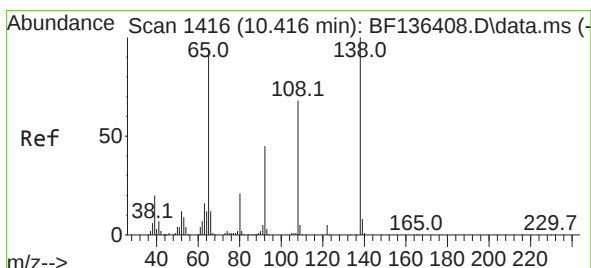
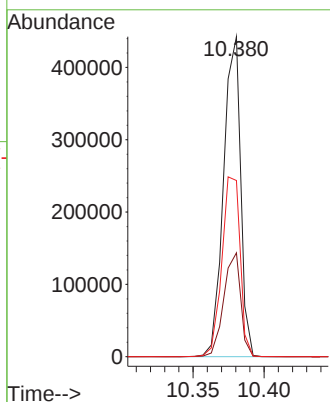
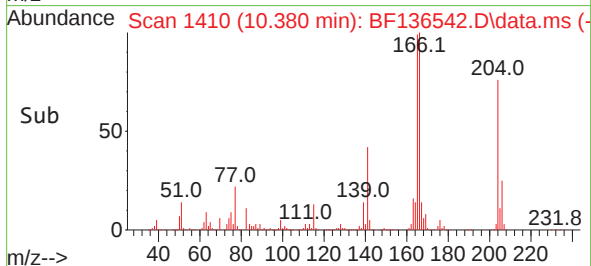
Instrument :
BNA_F
ClientSampleId :
PB157507BS



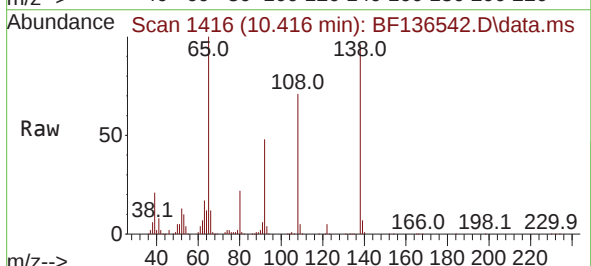
Tgt Ion:204 Resp: 369670
Ion Ratio Lower Upper
204 100
206 32.5 24.6 36.8
141 55.1 50.3 75.5

Manual Integrations
APPROVED

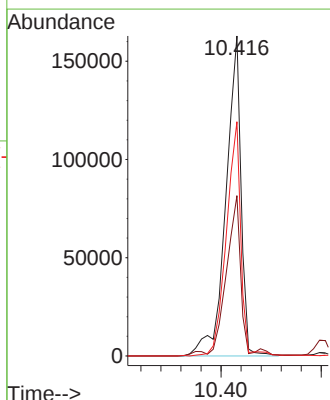
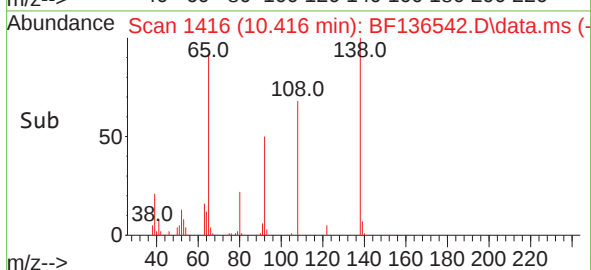
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

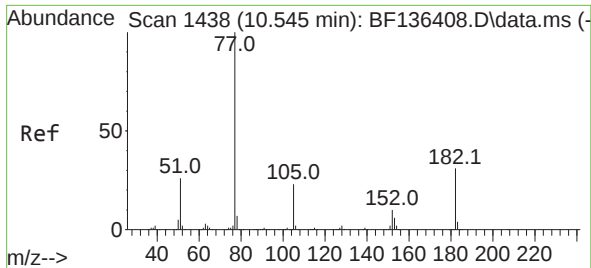


#62
4-Nitroaniline
Concen: 37.514 ng
RT: 10.416 min Scan# 1416
Delta R.T. 0.000 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33



Tgt Ion:138 Resp: 170839
Ion Ratio Lower Upper
138 100
92 50.1 25.0 65.0
108 73.2 47.9 87.9





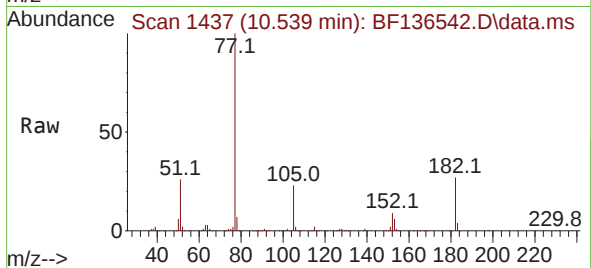
#63
Azobenzene
Concen: 38.073 ng
RT: 10.539 min Scan# 1438
Delta R.T. -0.006 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Instrument :

BNA_F

ClientSampleId :

PB157507BS



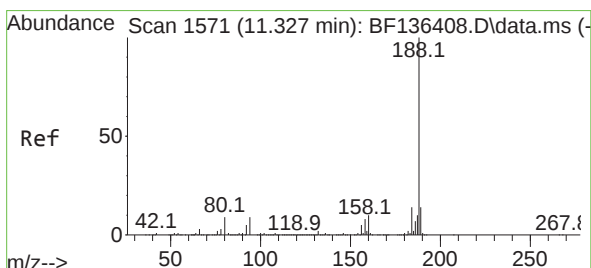
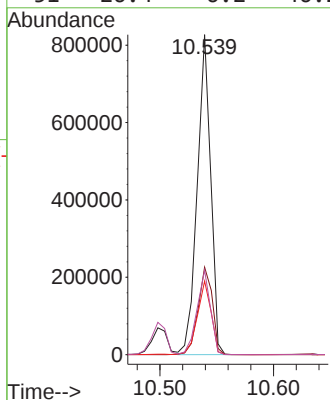
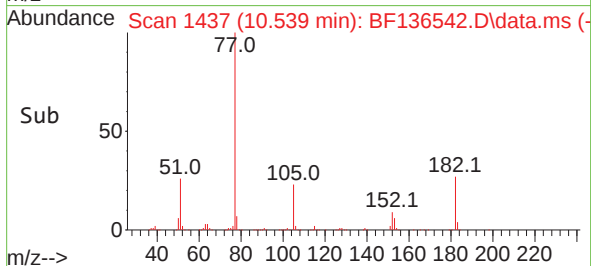
Tgt Ion: 77 Resp: 680292
Ion Ratio Lower Upper
77 100
182 27.4 10.8 50.8
105 23.0 2.6 42.6
51 26.4 6.2 46.2

Manual Integrations

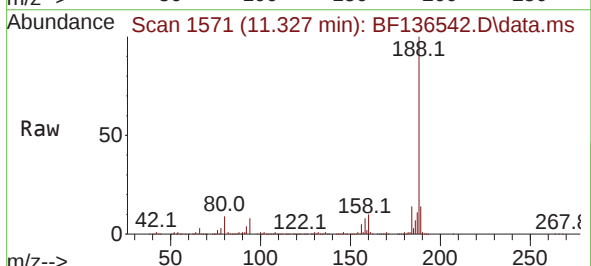
APPROVED

Reviewed By :Yogesh Patel 12/14/2023

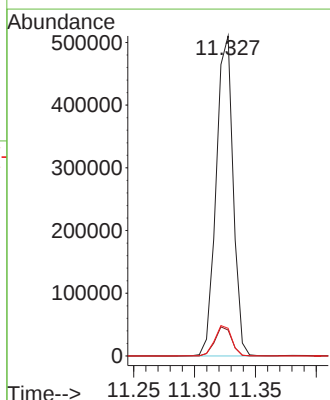
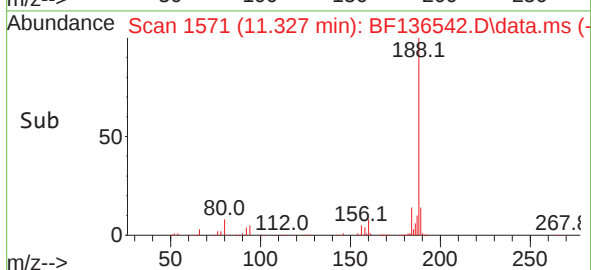
Supervised By :mohammad ahmed 12/14/2023

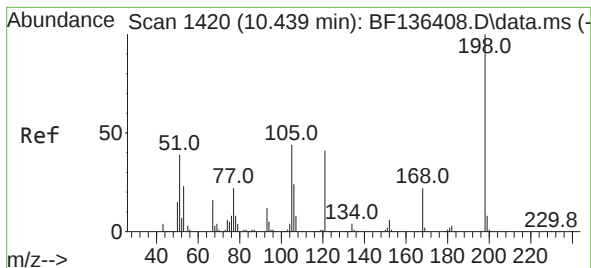


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.327 min Scan# 1571
Delta R.T. 0.000 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33



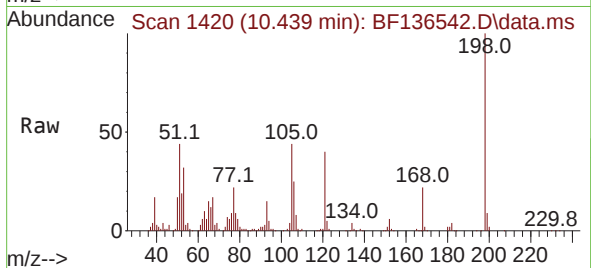
Tgt Ion:188 Resp: 494415
Ion Ratio Lower Upper
188 100
94 8.1 7.2 10.8
80 8.7 7.2 10.8





#65
4,6-Dinitro-2-methylphenol
Concen: 44.652 ng
RT: 10.439 min Scan# 1420
Delta R.T. 0.000 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

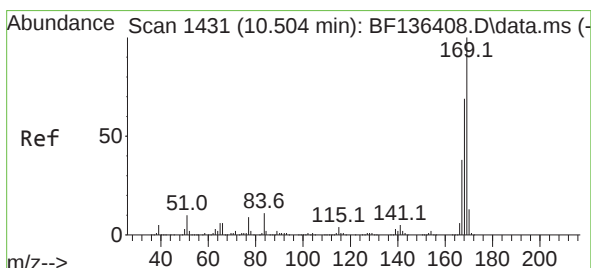
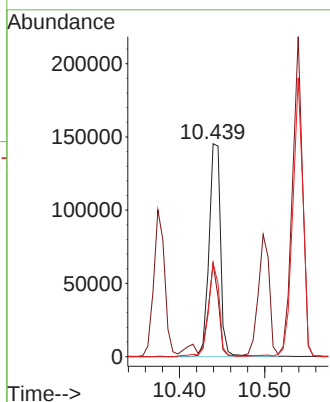
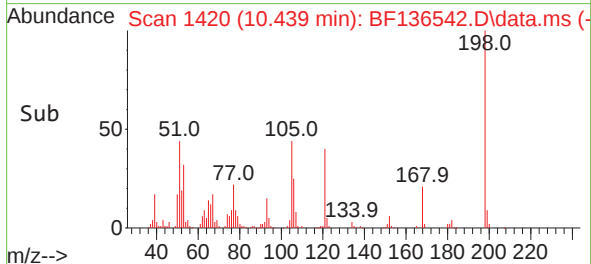
Instrument :
BNA_F
ClientSampleId :
PB157507BS



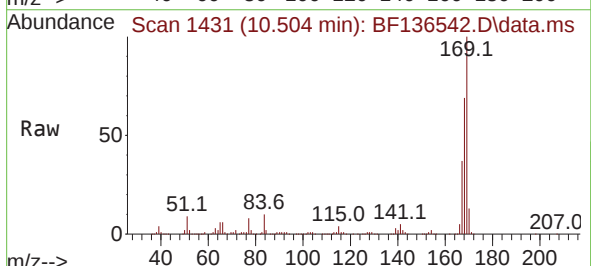
Tgt Ion:198 Resp: 136724
Ion Ratio Lower Upper
198 100
51 43.8 24.1 64.1
105 44.0 24.8 64.8

Manual Integrations
APPROVED

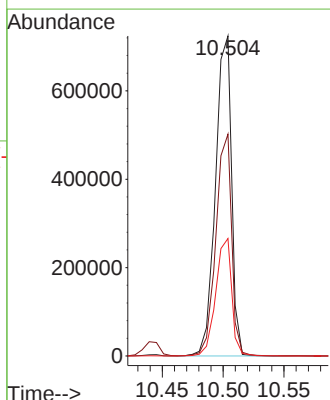
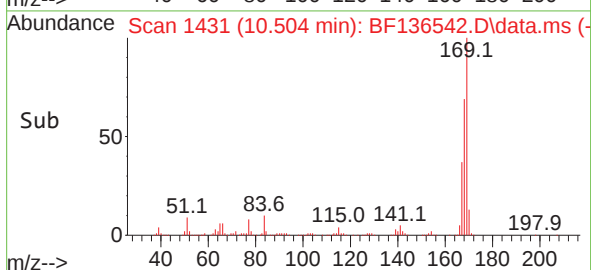
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

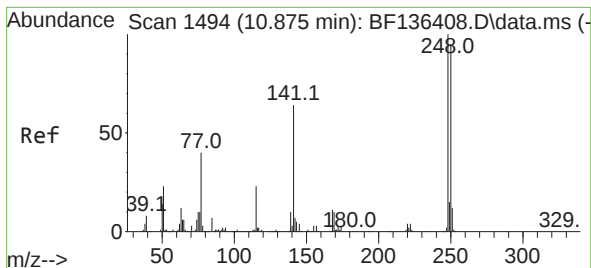


#66
n-Nitrosodiphenylamine
Concen: 42.032 ng
RT: 10.504 min Scan# 1431
Delta R.T. 0.000 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33



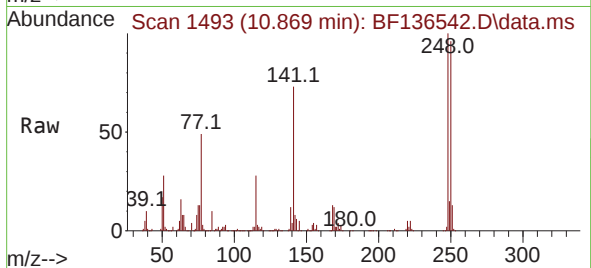
Tgt Ion:169 Resp: 666835
Ion Ratio Lower Upper
169 100
168 69.3 55.3 82.9
167 36.7 30.1 45.1





#67
4-Bromophenyl-phenylether
Concen: 40.838 ng
RT: 10.869 min Scan# 1494
Delta R.T. -0.006 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

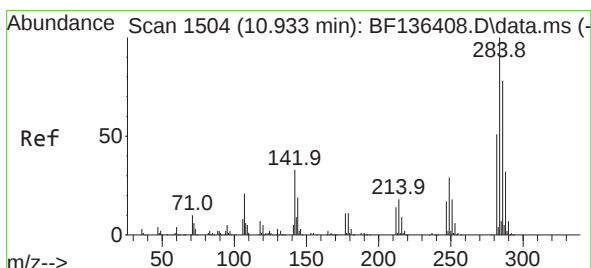
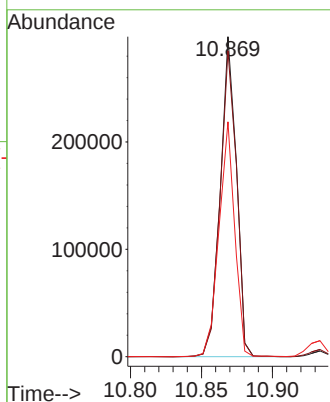
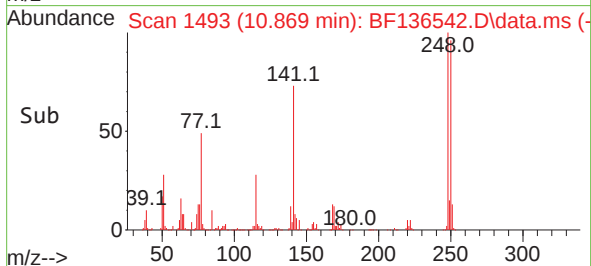
Instrument :
BNA_F
ClientSampleId :
PB157507BS



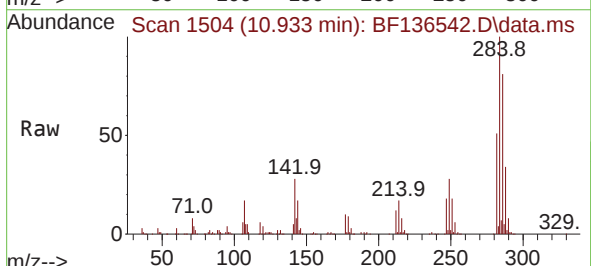
Tgt Ion:248 Resp: 23475
Ion Ratio Lower Upper
248 100
250 95.6 76.2 114.2
141 73.4 51.0 76.4

Manual Integrations
APPROVED

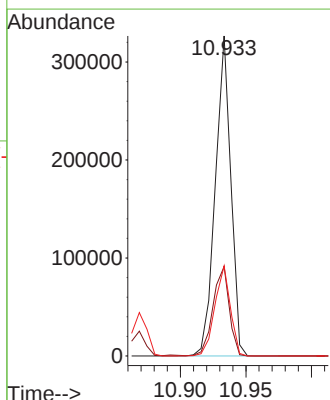
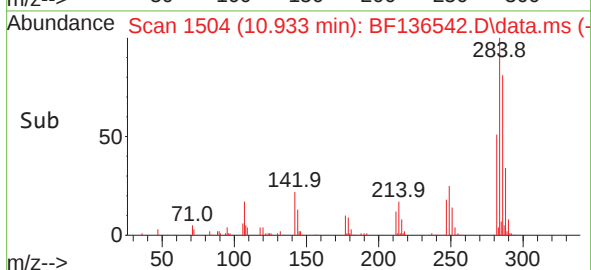
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

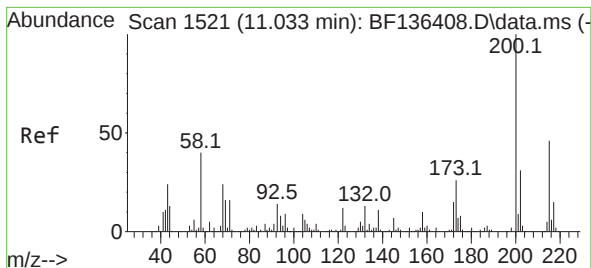


#68
Hexachlorobenzene
Concen: 40.274 ng
RT: 10.933 min Scan# 1504
Delta R.T. 0.000 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33



Tgt Ion:284 Resp: 267573
Ion Ratio Lower Upper
284 100
142 27.9 26.5 39.7
249 28.1 23.4 35.0





#69

Atrazine

Concen: 63.587 ng

RT: 11.039 min Scan# 11039

Delta R.T. 0.006 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

Instrument :

BNA_F

ClientSampleId :

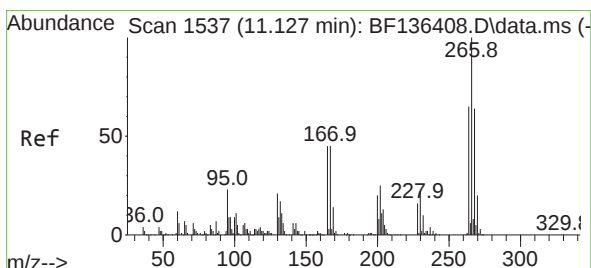
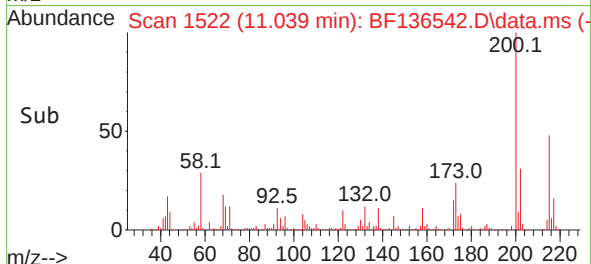
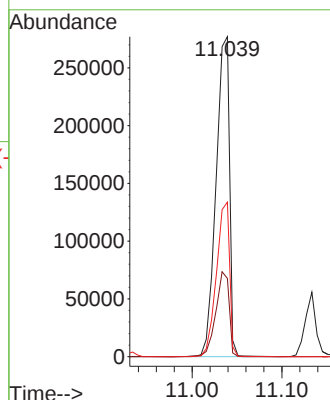
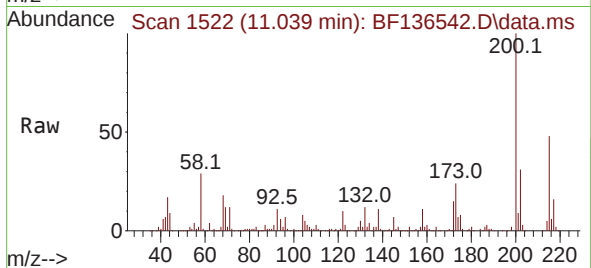
PB157507BS

Tgt Ion:200 Resp: 28792
 Ion Ratio Lower Upper
 200 100
 173 24.5 6.0 46.0
 215 48.3 25.5 65.5

Manual Integrations

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



#70

Pentachlorophenol

Concen: 70.324 ng

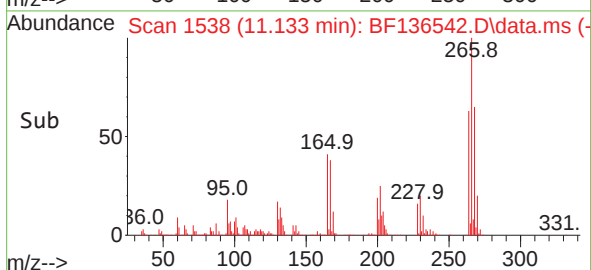
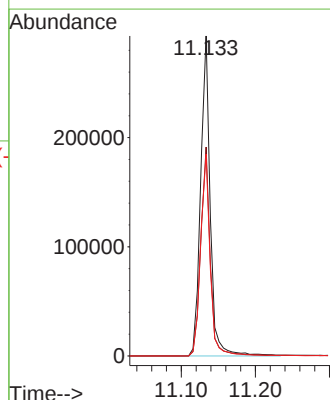
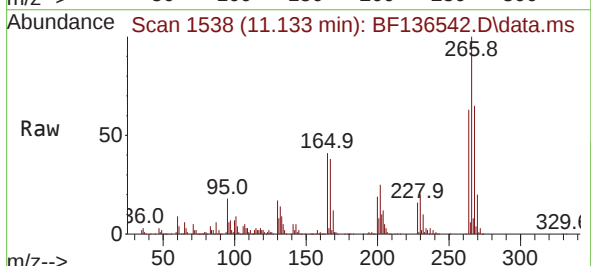
RT: 11.133 min Scan# 1538

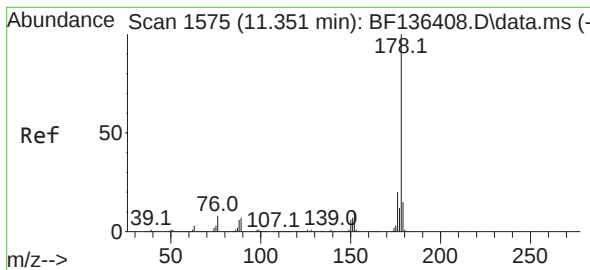
Delta R.T. 0.006 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

Tgt Ion:266 Resp: 263689
 Ion Ratio Lower Upper
 266 100
 268 65.3 51.0 76.6
 264 63.1 52.2 78.4





#71
Phenanthrene
Concen: 40.745 ng
RT: 11.351 min Scan# 1575
Delta R.T. 0.000 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Instrument :

BNA_F

ClientSampleId :

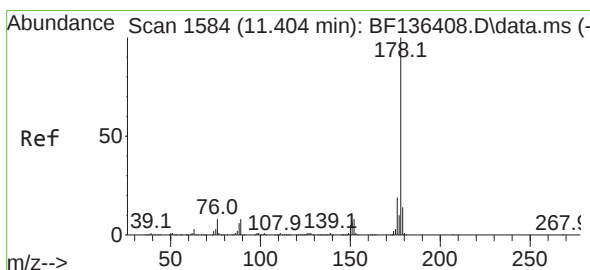
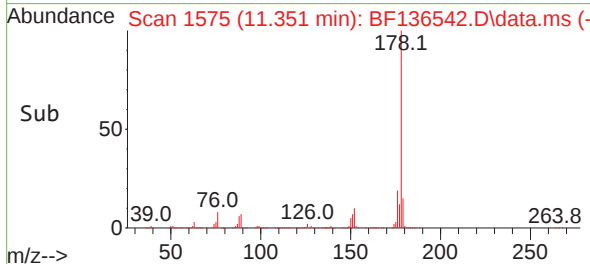
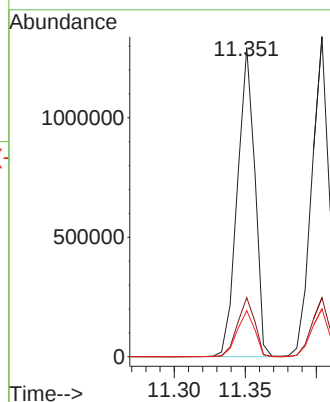
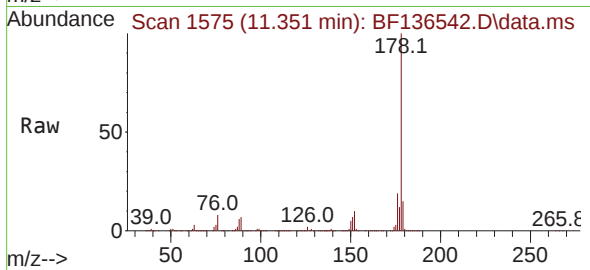
PB157507BS

Tgt Ion:178 Resp: 1107245
Ion Ratio Lower Upper
178 100
176 19.1 15.9 23.9
179 14.9 11.8 17.6

Manual Integrations

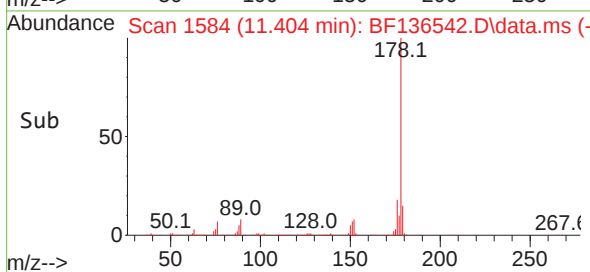
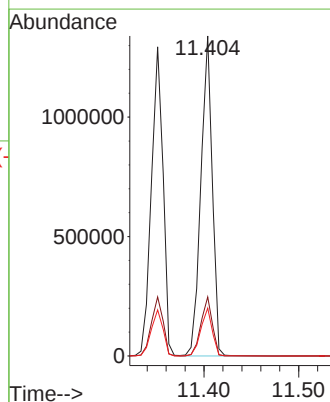
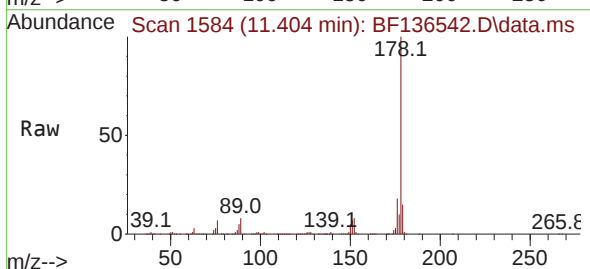
APPROVED

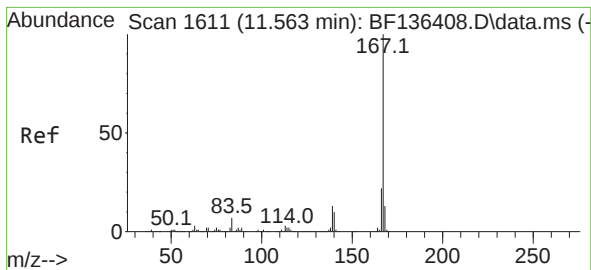
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#72
Anthracene
Concen: 41.020 ng
RT: 11.404 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Tgt Ion:178 Resp: 1122760
Ion Ratio Lower Upper
178 100
176 18.5 15.3 22.9
179 15.0 11.4 17.0





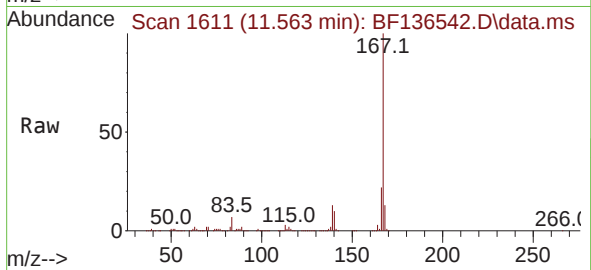
#73
 Carbazole
 Concen: 39.290 ng
 RT: 11.563 min Scan# 1611
 Delta R.T. 0.000 min
 Lab File: BF136542.D
 Acq: 13 Dec 2023 17:33

Instrument :

BNA_F

ClientSampleId :

PB157507BS

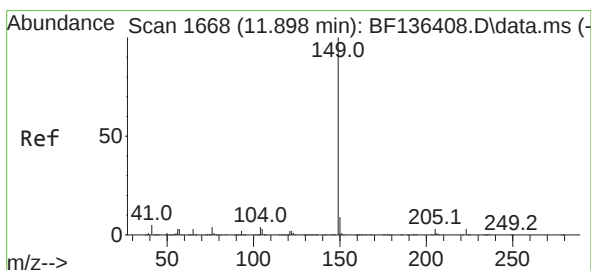
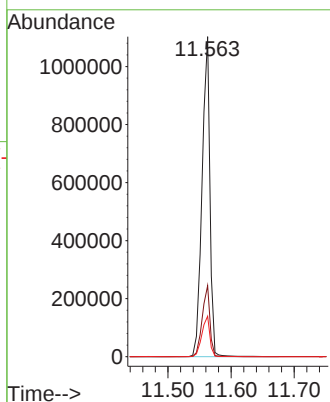
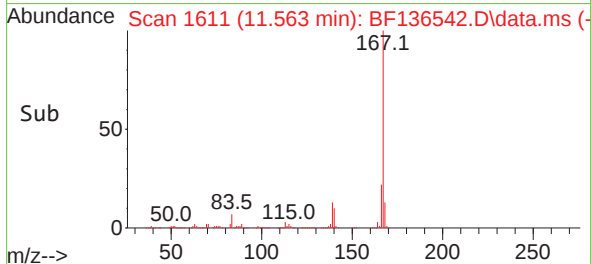


Tgt Ion:167 Resp: 951835
 Ion Ratio Lower Upper
 167 100
 166 22.2 18.0 27.0
 139 12.7 10.2 15.4

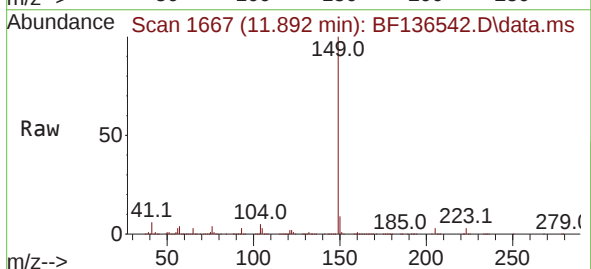
Manual Integrations

APPROVED

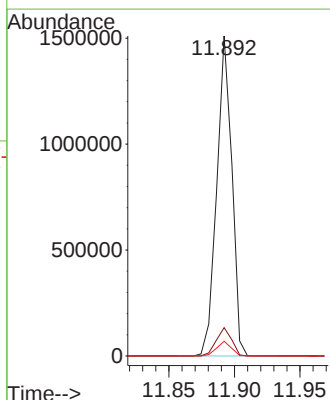
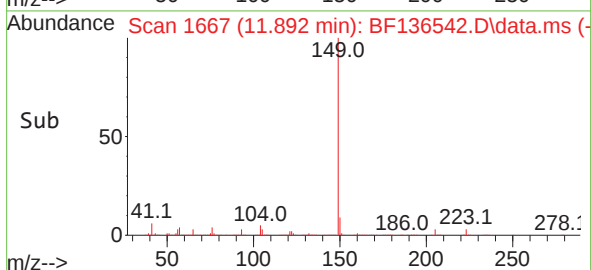
Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/14/2023

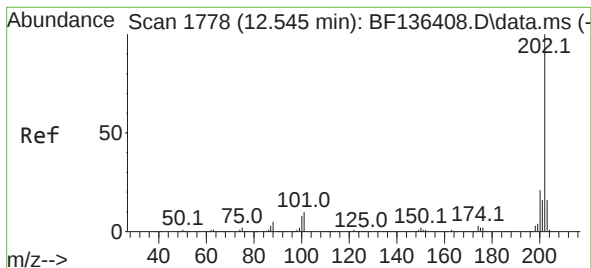


#74
 Di-n-butylphthalate
 Concen: 40.567 ng
 RT: 11.892 min Scan# 1667
 Delta R.T. -0.006 min
 Lab File: BF136542.D
 Acq: 13 Dec 2023 17:33



Tgt Ion:149 Resp: 1204765
 Ion Ratio Lower Upper
 149 100
 150 8.9 6.9 10.3
 104 4.6 3.5 5.3





#75

Fluoranthene

Concen: 36.661 ng

RT: 12.545 min Scan# 1778

Delta R.T. 0.000 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

Instrument :

BNA_F

ClientSampleId :

PB157507BS

Tgt Ion:202 Resp: 1044029

Ion Ratio Lower Upper

202 100

101 9.7 0.0 29.9

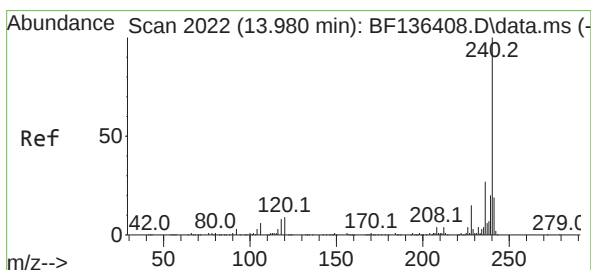
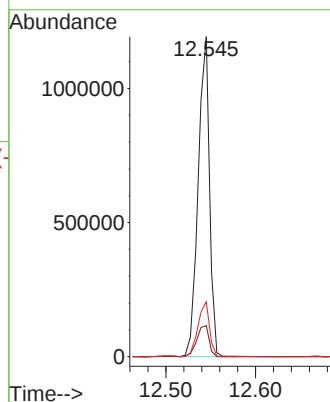
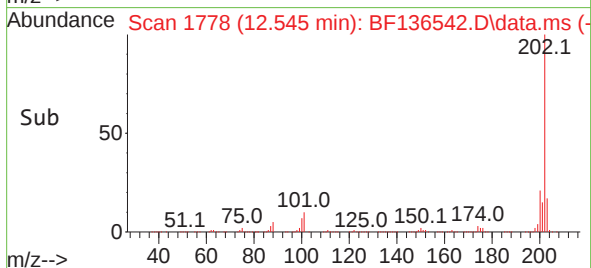
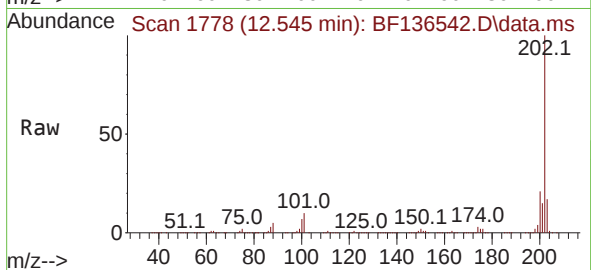
203 17.2 0.0 36.3

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: BF136542.D

Acq: 13 Dec 2023 17:33

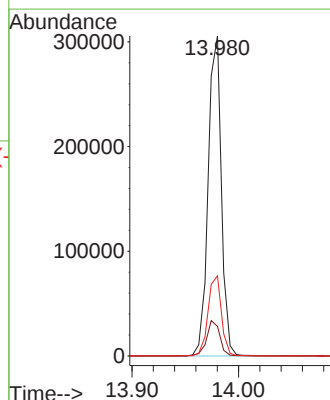
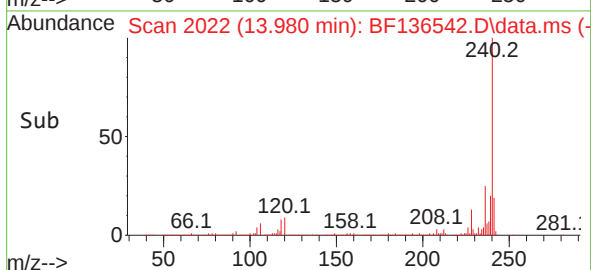
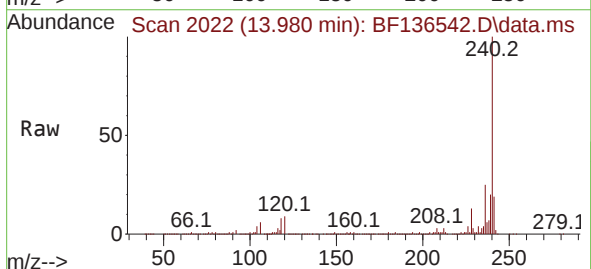
Tgt Ion:240 Resp: 264126

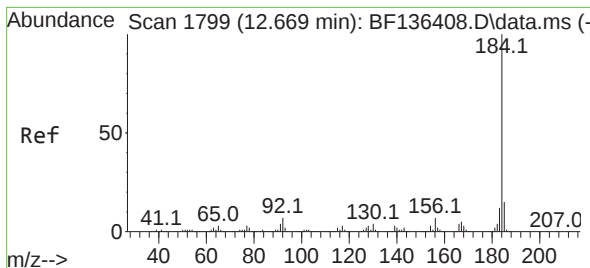
Ion Ratio Lower Upper

240 100

120 9.2 7.3 10.9

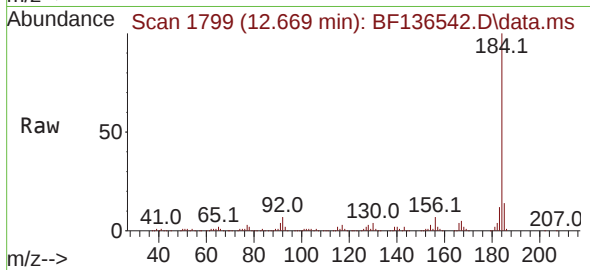
236 25.1 21.3 31.9





#77
Benzidine
Concen: 42.118 ng
RT: 12.669 min Scan# 1799
Delta R.T. -0.000 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

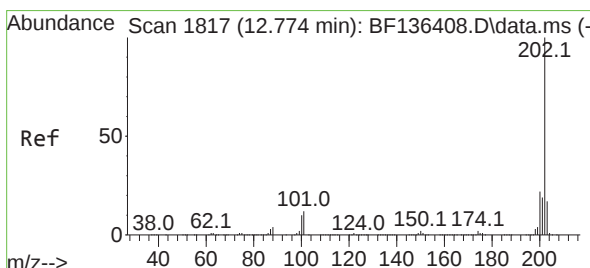
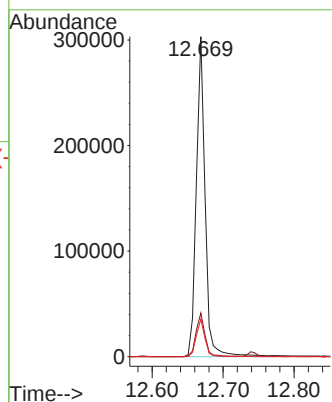
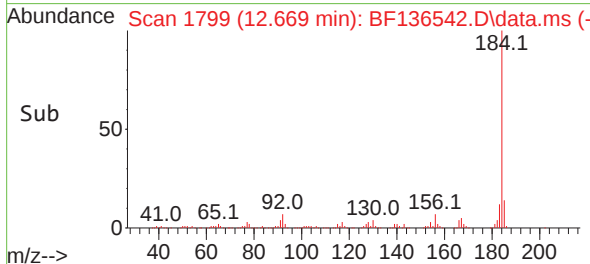
Instrument :
BNA_F
ClientSampleId :
PB157507BS



Tgt Ion:184 Resp: 262645
Ion Ratio Lower Upper
184 100
185 13.7 12.0 18.0
183 11.7 9.4 14.0

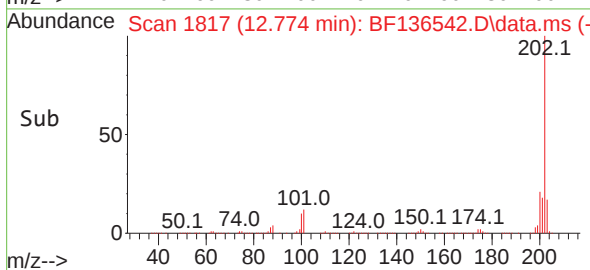
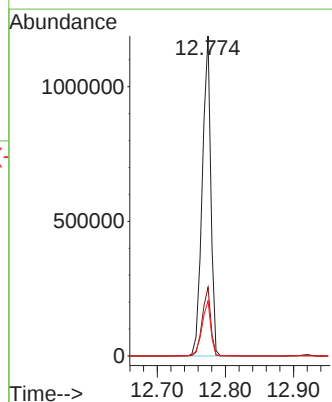
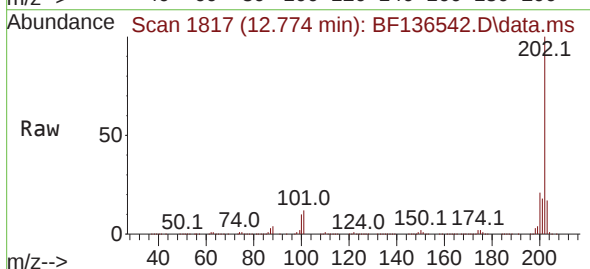
Manual Integrations
APPROVED

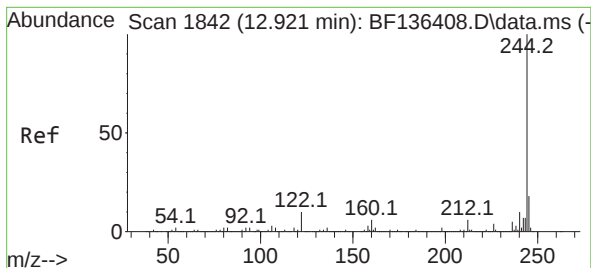
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023



#78
Pyrene
Concen: 40.120 ng
RT: 12.774 min Scan# 1817
Delta R.T. 0.000 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Tgt Ion:202 Resp: 1037815
Ion Ratio Lower Upper
202 100
200 21.5 18.0 27.0
203 17.2 13.5 20.3





#79

Terphenyl-d14

Concen: 78.116 ng

RT: 12.922 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

Instrument :

BNA_F

ClientSampleId :

PB157507BS

Tgt Ion:244 Resp: 1565384

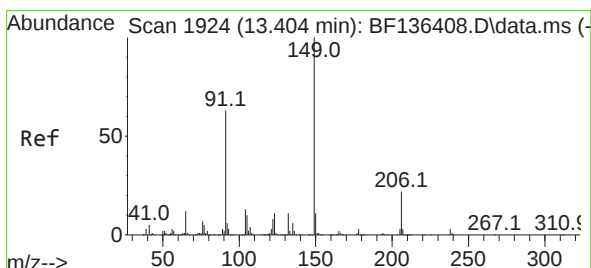
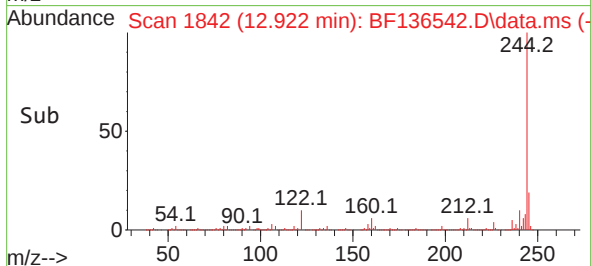
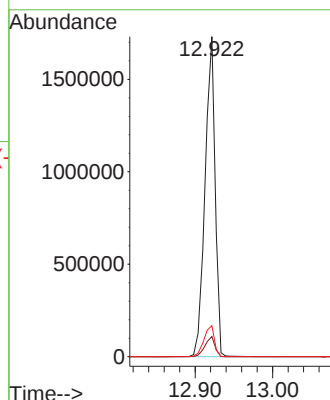
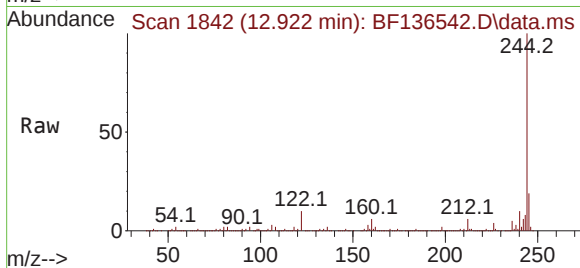
Ion	Ratio	Lower	Upper
244	100		
212	6.3	5.0	7.4
122	9.7	8.3	12.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#80

Butylbenzylphthalate

Concen: 42.504 ng

RT: 13.398 min Scan# 1923

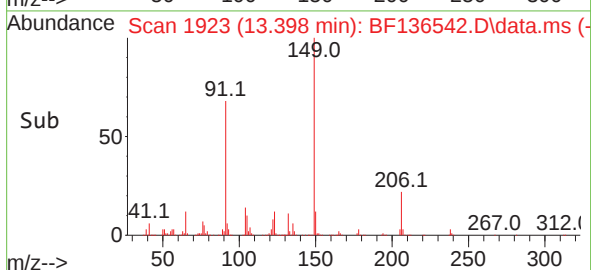
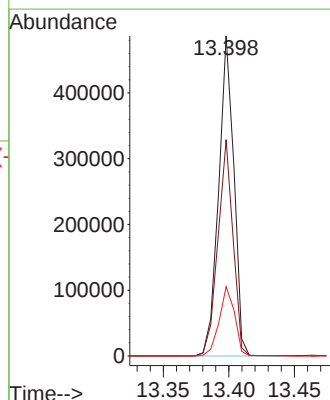
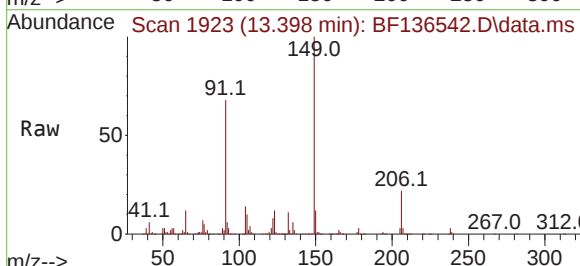
Delta R.T. -0.006 min

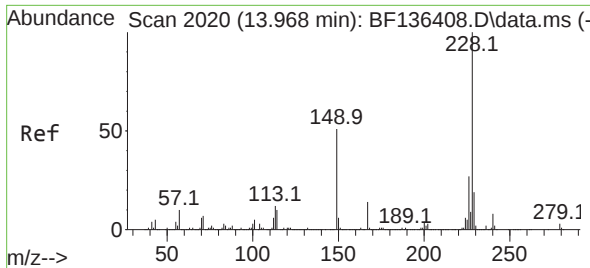
Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

Tgt Ion:149 Resp: 391387

Ion	Ratio	Lower	Upper
149	100		
91	67.6	50.5	75.7
206	21.7	17.4	26.2





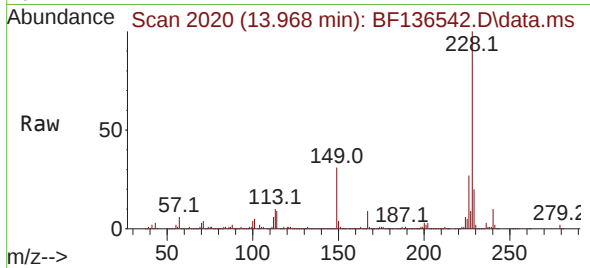
#81
Benzo(a)anthracene
Concen: 40.708 ng
RT: 13.968 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Instrument :

BNA_F

ClientSampleId :

PB157507BS

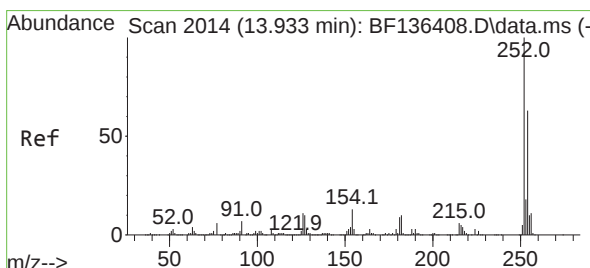
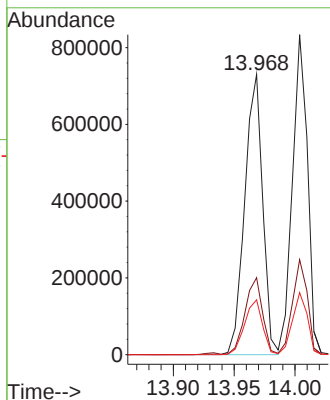
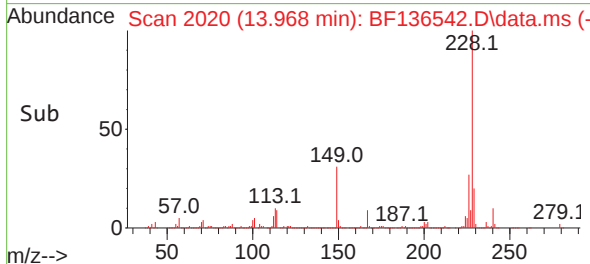


Tgt Ion:228 Resp: 748944
Ion Ratio Lower Upper
228 100
226 27.5 21.8 32.8
229 19.6 15.0 22.4

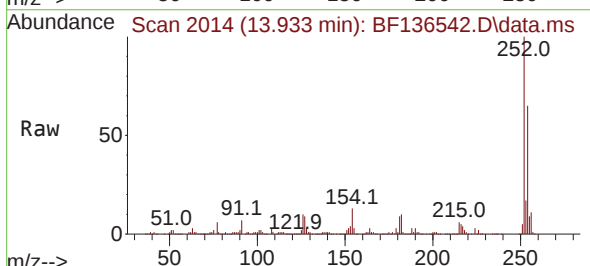
Manual Integrations

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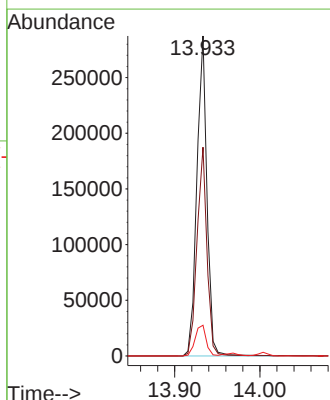
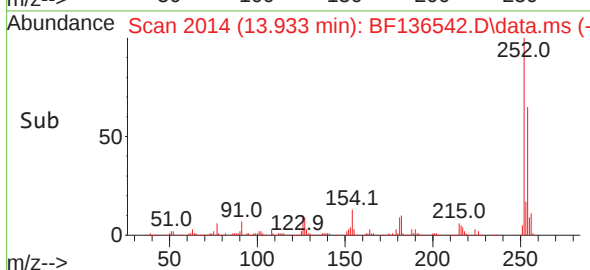
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

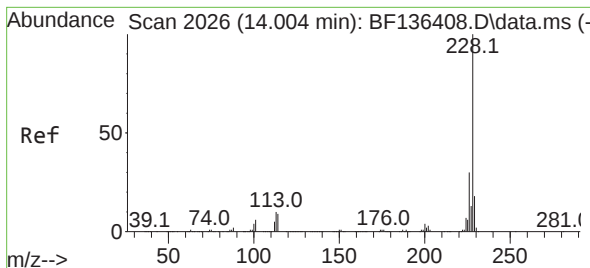


#82
3,3'-Dichlorobenzidine
Concen: 45.856 ng
RT: 13.933 min Scan# 2014
Delta R.T. 0.000 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33



Tgt Ion:252 Resp: 236545
Ion Ratio Lower Upper
252 100
254 65.3 50.8 76.2
126 9.6 8.6 12.8





#83

Chrysene

Concen: 39.688 ng

RT: 14.004 min Scan# 2026

Delta R.T. 0.000 min

Lab File: BF136542.D

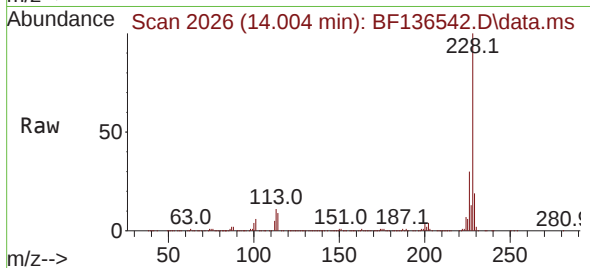
Acq: 13 Dec 2023 17:33

Instrument :

BNA_F

ClientSampleId :

PB157507BS



Tgt Ion:228 Resp: 718398

Ion Ratio Lower Upper

228 100

226 29.7 23.8 35.6

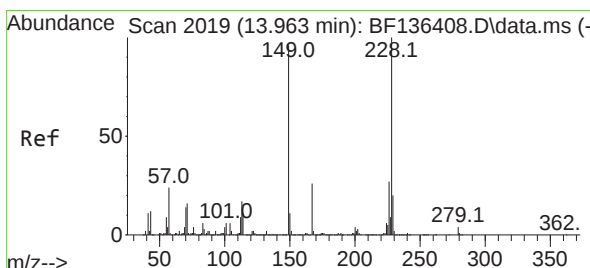
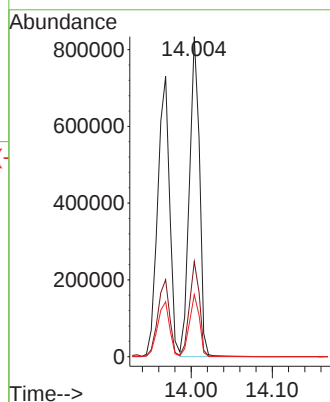
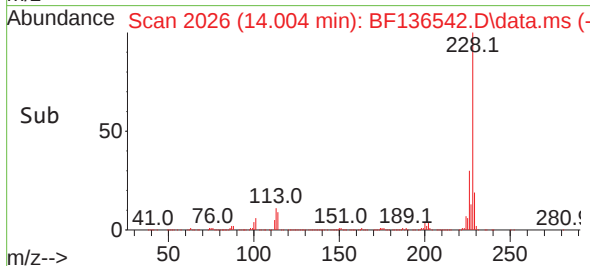
229 19.4 14.8 22.2

Manual Integrations

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Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#84

Bis(2-ethylhexyl)phthalate

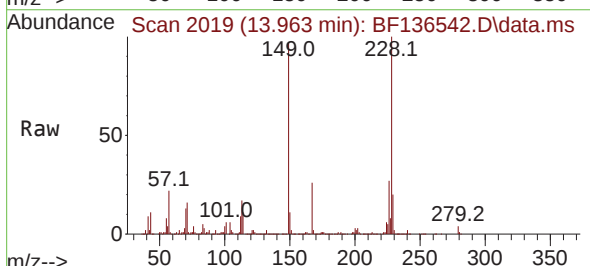
Concen: 45.355 ng

RT: 13.963 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33



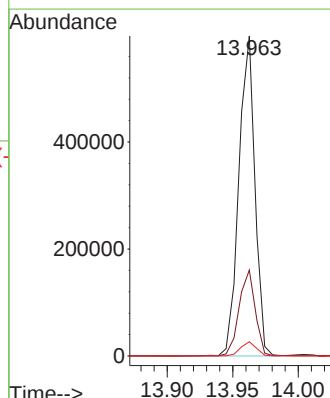
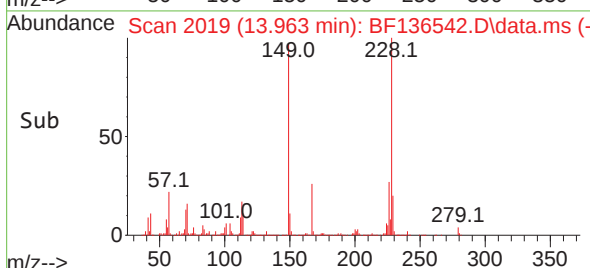
Tgt Ion:149 Resp: 511994

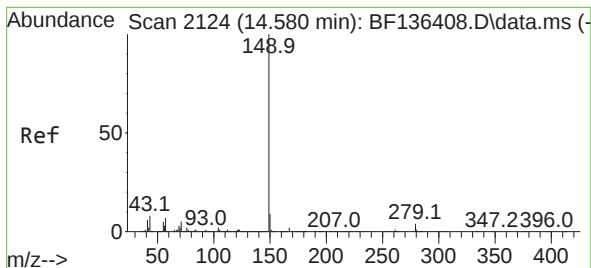
Ion Ratio Lower Upper

149 100

167 26.9 21.2 31.8

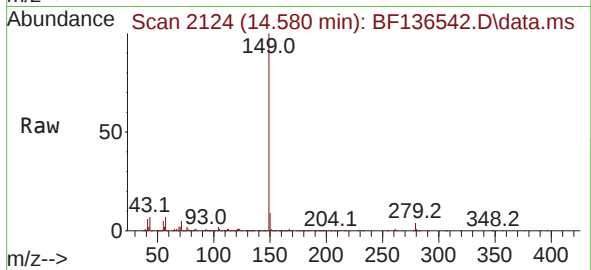
279 4.4 3.1 4.7





#85
Di-n-octyl phthalate
Concen: 50.394 ng
RT: 14.580 min Scan# 2124
Delta R.T. 0.000 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

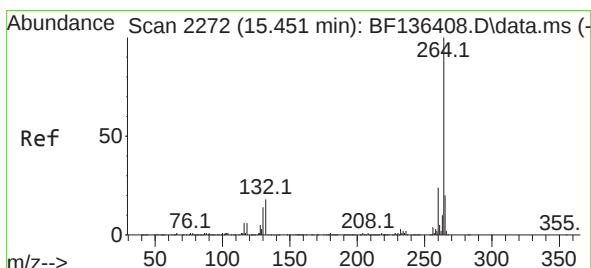
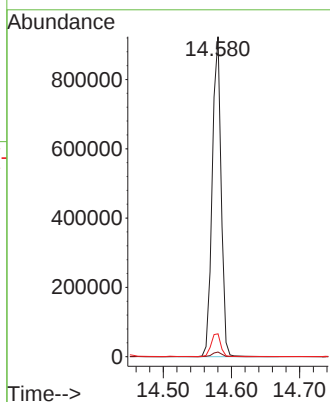
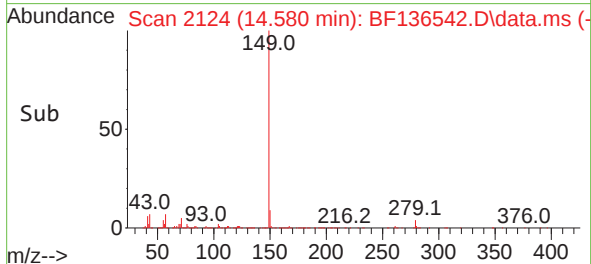
Instrument :
BNA_F
ClientSampleId :
PB157507BS



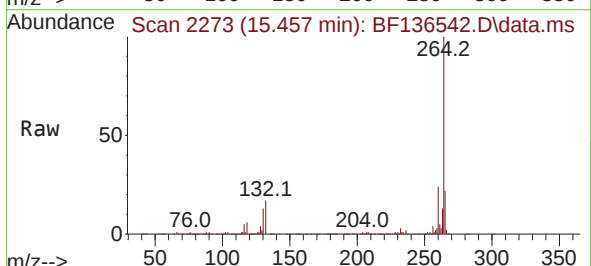
Tgt Ion:149 Resp: 840290
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 7.8 6.8 10.2

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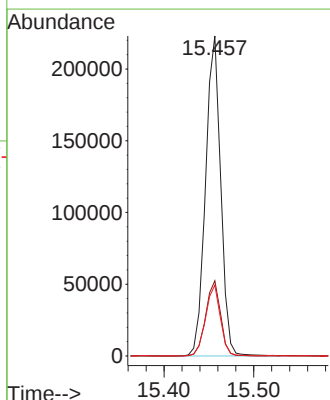
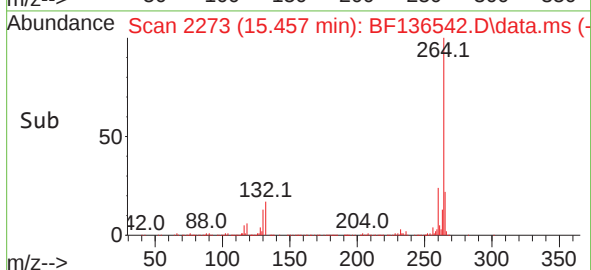
Reviewed By :Yogesh Patel 12/14/2023
Supervised By :mohammad ahmed 12/14/2023

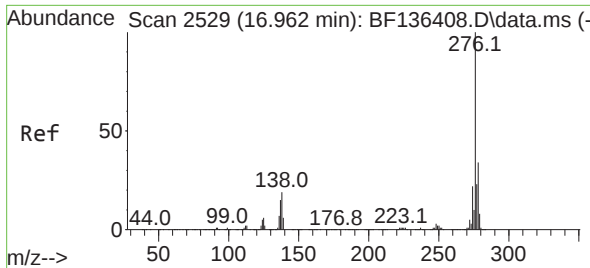


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.457 min Scan# 2273
Delta R.T. 0.006 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33



Tgt Ion:264 Resp: 261608
Ion Ratio Lower Upper
264 100
260 23.5 19.2 28.8
265 22.1 15.9 23.9





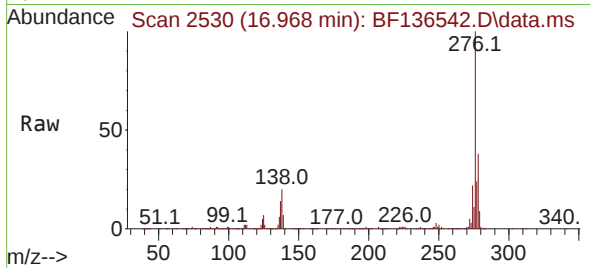
#87
 Indeno(1,2,3-cd)pyrene
 Concen: 48.621 ng
 RT: 16.968 min Scan# 2199
 Delta R.T. 0.006 min
 Lab File: BF136542.D
 Acq: 13 Dec 2023 17:33

Instrument :

BNA_F

ClientSampleId :

PB157507BS

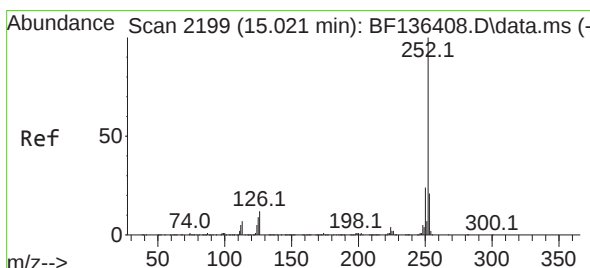
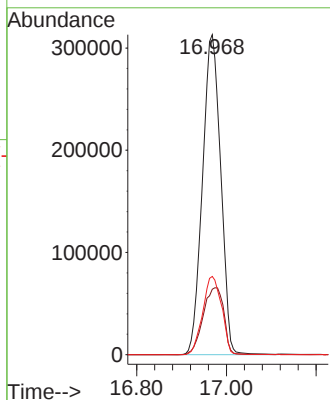
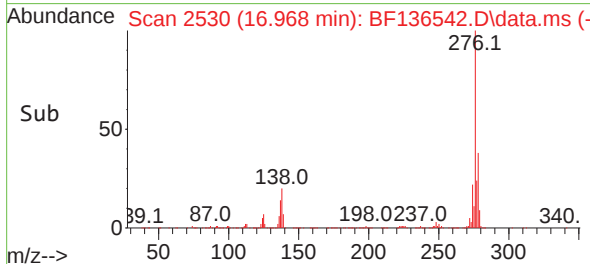


Tgt Ion:276 Resp: 88367
 Ion Ratio Lower Upper
 276 100
 138 23.7 19.0 28.4
 277 25.4 20.0 30.0

Manual Integrations

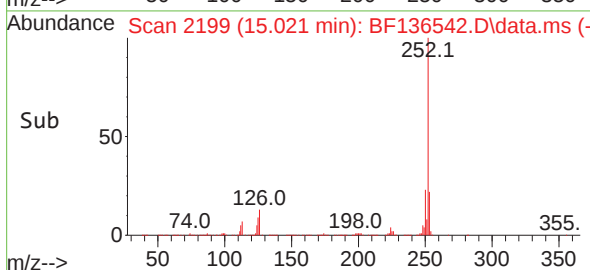
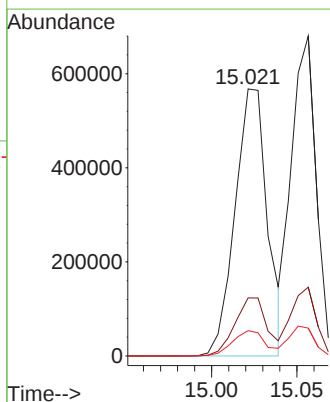
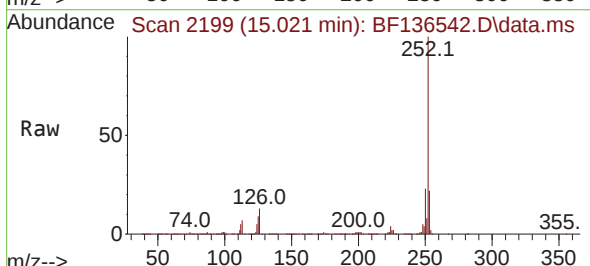
APPROVED

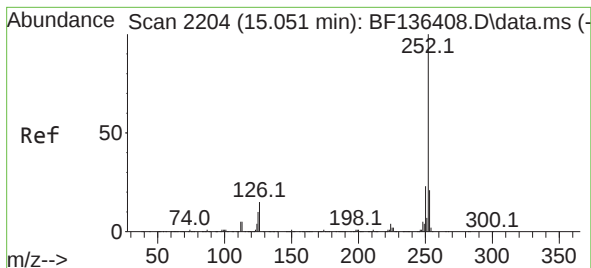
Reviewed By :Yogesh Patel 12/14/2023
 Supervised By :mohammad ahmed 12/14/2023



#88
 Benzo(b)fluoranthene
 Concen: 42.091 ng
 RT: 15.021 min Scan# 2199
 Delta R.T. 0.000 min
 Lab File: BF136542.D
 Acq: 13 Dec 2023 17:33

Tgt Ion:252 Resp: 752870
 Ion Ratio Lower Upper
 252 100
 253 21.7 16.9 25.3
 125 9.5 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 41.182 ng

RT: 15.057 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

Instrument :

BNA_F

ClientSampleId :

PB157507BS

Tgt Ion:252 Resp: 69420

Ion Ratio Lower Upper

252 100

253 21.5 16.9 25.3

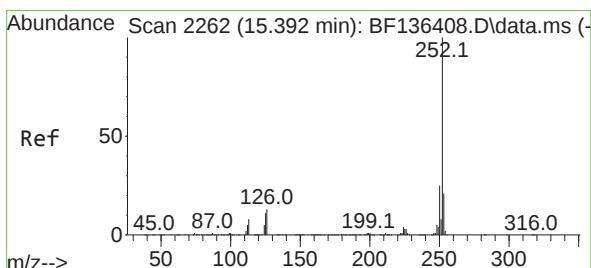
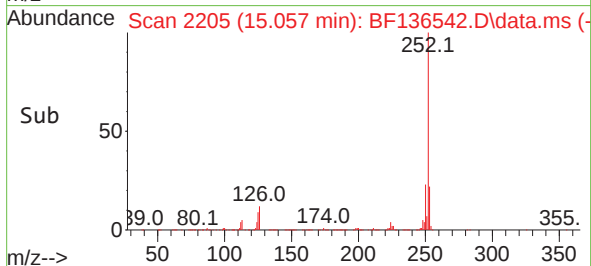
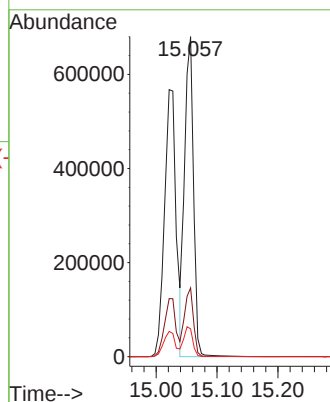
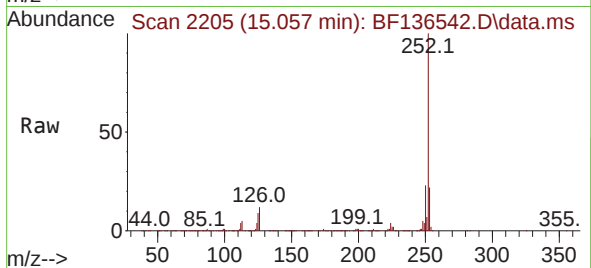
125 8.7 7.5 11.3

Manual Integrations

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Reviewed By :Yogesh Patel 12/14/2023

Supervised By :mohammad ahmed 12/14/2023



#90

Benzo(a)pyrene

Concen: 42.854 ng

RT: 15.398 min Scan# 2263

Delta R.T. 0.006 min

Lab File: BF136542.D

Acq: 13 Dec 2023 17:33

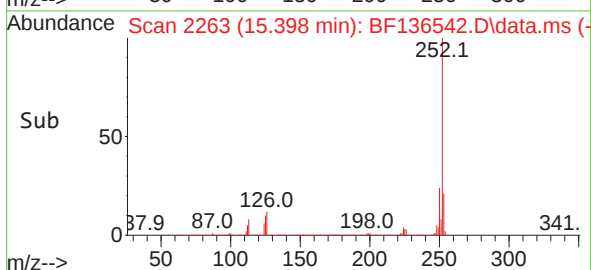
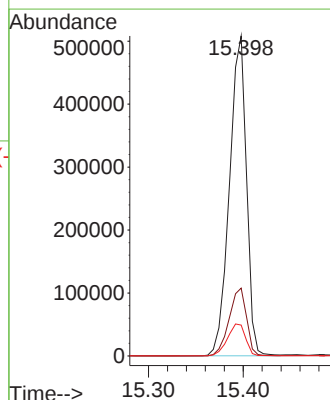
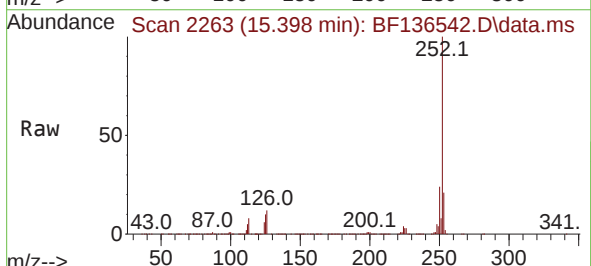
Tgt Ion:252 Resp: 633026

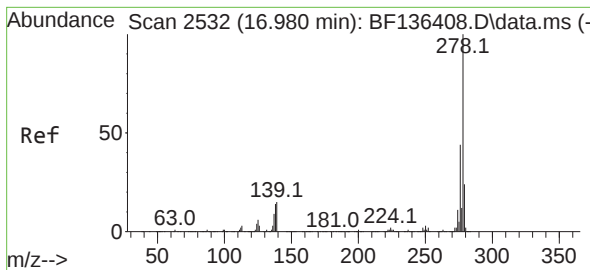
Ion Ratio Lower Upper

252 100

253 21.2 17.0 25.4

125 9.6 8.6 13.0





#91
Dibenzo(a,h)anthracene
Concen: 49.590 ng
RT: 16.992 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Instrument :

BNA_F

ClientSampleId :

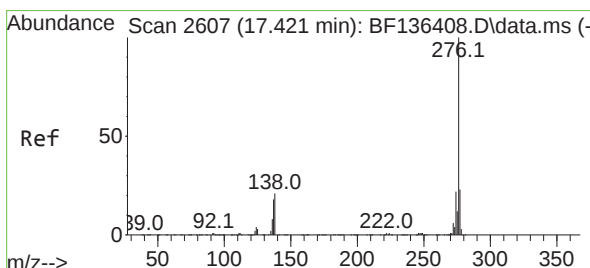
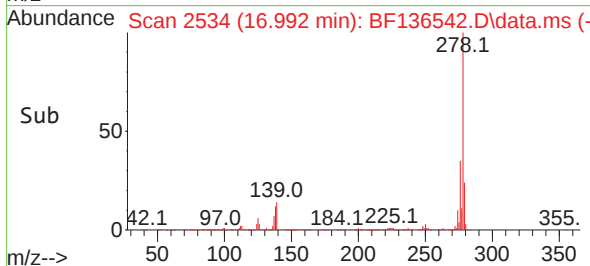
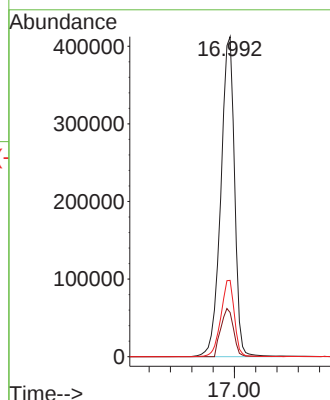
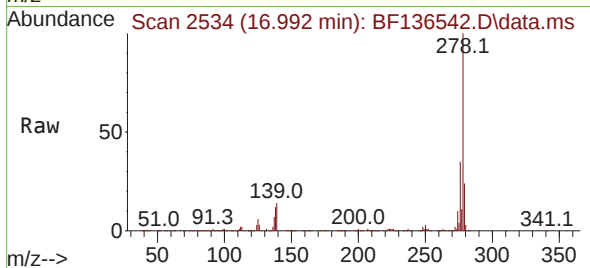
PB157507BS

Tgt Ion:278 Resp: 73836
Ion Ratio Lower Upper
278 100
139 13.8 12.2 18.4
279 23.9 19.0 28.4

Manual Integrations

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



#92
Benzo(g,h,i)perylene
Concen: 48.095 ng
RT: 17.427 min Scan# 2608
Delta R.T. 0.006 min
Lab File: BF136542.D
Acq: 13 Dec 2023 17:33

Tgt Ion:276 Resp: 735007
Ion Ratio Lower Upper
276 100
277 23.9 18.7 28.1
138 20.2 16.6 25.0

