

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF122023\
 Data File : BF136651.D
 Acq On : 20 Dec 2023 16:53
 Operator : CG\JU
 Sample : PB157585BS
 Misc :
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB157585BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 12/21/2023
 Supervised By :mohammad ahmed 12/21/2023

Quant Time: Dec 21 02:16:54 2023
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF122023.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Dec 21 01:54:25 2023
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.793	152	91874	20.000	ng	0.00
21) Naphthalene-d8	8.069	136	369581	20.000	ng	0.00
39) Acenaphthene-d10	9.828	164	193460	20.000	ng	0.00
64) Phenanthrene-d10	11.316	188	372219	20.000	ng	0.00
76) Chrysene-d12	13.974	240	200994	20.000	ng	# 0.00
86) Perylene-d12	15.445	264	161791	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.446	112	675436	114.708	ng	0.02
7) Phenol-d6	6.446	99	869867	114.009	ng	0.00
23) Nitrobenzene-d5	7.363	82	538992	74.627	ng	0.00
42) 2,4,6-Tribromophenol	10.628	330	265304	116.442	ng	0.00
45) 2-Fluorobiphenyl	9.151	172	1056361	73.441	ng	0.00
79) Terphenyl-d14	12.916	244	1117481	77.696	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.646	88	80864	32.960	ng	98
3) Pyridine	3.410	79	186562	31.166	ng	97
4) n-Nitrosodimethylamine	3.375	42	129030	40.364	ng	94
6) Aniline	6.463	93	268081	35.143	ng	# 65
8) 2-Chlorophenol	6.581	128	267229	41.471	ng	99
9) Benzaldehyde	6.346	77	94874	21.861	ng	95
10) Phenol	6.457	94	321141	39.429	ng	88
11) bis(2-Chloroethyl)ether	6.534	93	248661	40.145	ng	99
12) 1,3-Dichlorobenzene	6.734	146	259674	36.941	ng	99
13) 1,4-Dichlorobenzene	6.810	146	267558	37.251	ng	99
14) 1,2-Dichlorobenzene	6.963	146	252854	37.833	ng	99
15) Benzyl Alcohol	6.940	79	220195	42.778	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.069	45	407459	40.235	ng	100
17) 2-Methylphenol	7.057	107	216923	40.636	ng	98
18) Hexachloroethane	7.298	117	97617	37.423	ng	99
19) n-Nitroso-di-n-propyla...	7.216	70	184199	39.826	ng	95
20) 3+4-Methylphenols	7.210	107	265748	39.848	ng	# 77
22) Acetophenone	7.204	105	369678	39.907	ng	98
24) Nitrobenzene	7.381	77	276764	38.253	ng	95
25) Isophorone	7.616	82	517818	39.402	ng	99
26) 2-Nitrophenol	7.692	139	142117	41.056	ng	98
27) 2,4-Dimethylphenol	7.734	122	238482	56.590	ng	100
28) bis(2-Chloroethoxy)met...	7.828	93	317461	39.740	ng	98
29) 2,4-Dichlorophenol	7.934	162	220101	40.568	ng	97
30) 1,2,4-Trichlorobenzene	8.010	180	228480	37.797	ng	97
31) Naphthalene	8.092	128	768006	37.826	ng	100
32) Benzoic acid	7.881	122	177291	43.480	ng	97
33) 4-Chloroaniline	8.145	127	210369	28.062	ng	98
34) Hexachlorobutadiene	8.204	225	132569	36.096	ng	98
35) Caprolactam	8.528	113	76621m	42.809	ng	
36) 4-Chloro-3-methylphenol	8.640	107	250180	40.960	ng	99
37) 2-Methylnaphthalene	8.787	142	507076	38.806	ng	100
38) 1-Methylnaphthalene	8.887	142	466981	36.427	ng	100
40) 1,2,4,5-Tetrachloroben...	8.951	216	235172	39.252	ng	97
41) Hexachlorocyclopentadiene	8.934	237	210469	108.328	ng	99
43) 2,4,6-Trichlorophenol	9.063	196	160332	41.727	ng	98

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	175518	40.992	ng	# 94
46) 1,1'-Biphenyl	9.251	154	645978	39.791	ng	99
47) 2-Chloronaphthalene	9.275	162	478837	38.799	ng	99
48) 2-Nitroaniline	9.375	65	161537	41.798	ng	100
49) Acenaphthylene	9.692	152	756866	40.123	ng	99
50) Dimethylphthalate	9.557	163	579389	41.002	ng	98
51) 2,6-Dinitrotoluene	9.622	165	125394	39.100	ng	# 86
52) Acenaphthene	9.863	154	456304	39.023	ng	100
53) 3-Nitroaniline	9.792	138	113068	33.282	ng	91
54) 2,4-Dinitrophenol	9.904	184	146144	82.120	ng	# 89
55) Dibenzofuran	10.039	168	695043	39.211	ng	97
56) 4-Nitrophenol	9.969	139	192836	84.086	ng	94
57) 2,4-Dinitrotoluene	10.028	165	163183	39.196	ng	96
58) Fluorene	10.381	166	553527	39.356	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.157	232	143436	43.518	ng	99
60) Diethylphthalate	10.263	149	589365	40.198	ng	99
61) 4-Chlorophenyl-phenyle...	10.375	204	261831	38.300	ng	95
62) 4-Nitroaniline	10.416	138	129169m	39.441	ng	
63) Azobenzene	10.534	77	545154	39.810	ng	99
65) 4,6-Dinitro-2-methylph...	10.439	198	96348	45.166	ng	100
66) n-Nitrosodiphenylamine	10.498	169	504318	41.709	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	162892	39.405	ng	98
68) Hexachlorobenzene	10.928	284	181067	39.305	ng	98
69) Atrazine	11.033	200	195333	63.161	ng	98
70) Pentachlorophenol	11.128	266	179075	83.398	ng	97
71) Phenanthrene	11.345	178	784080	41.054	ng	99
72) Anthracene	11.398	178	794414	41.072	ng	100
73) Carbazole	11.557	167	725274	39.772	ng	99
74) Di-n-butylphthalate	11.886	149	926103	41.618	ng	100
75) Fluoranthene	12.539	202	809892	39.644	ng	99
77) Benzidine	12.663	184	186506	31.470	ng	100
78) Pyrene	12.769	202	803754	40.736	ng	99
80) Butylbenzylphthalate	13.392	149	317122	44.170	ng	99
81) Benzo(a)anthracene	13.963	228	562436	40.298	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	168393	42.485	ng	98
83) Chrysene	13.998	228	542154	39.723	ng	99
84) Bis(2-ethylhexyl)phtha...	13.951	149	400206	44.304	ng	98
85) Di-n-octyl phthalate	14.569	149	620364	44.397	ng	100
87) Indeno(1,2,3-cd)pyrene	16.951	276	542246	46.419	ng	100
88) Benzo(b)fluoranthene	15.016	252	464370	42.973	ng	99
89) Benzo(k)fluoranthene	15.045	252	471080	46.135	ng	99
90) Benzo(a)pyrene	15.386	252	403670	44.255	ng	99
91) Dibenzo(a,h)anthracene	16.974	278	456134	47.596	ng	97
92) Benzo(g,h,i)perylene	17.410	276	457964	46.657	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.793 min Scan# 80
Delta R.T. 0.001 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Instrument :

BNA_F

ClientSampleId :

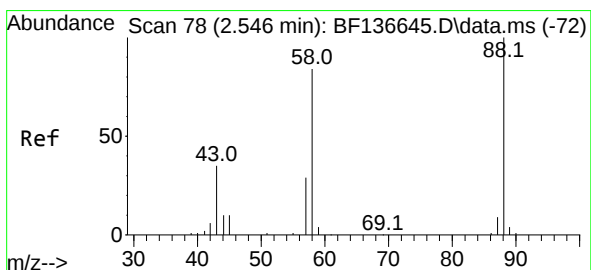
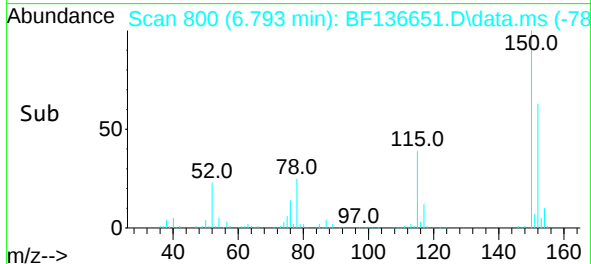
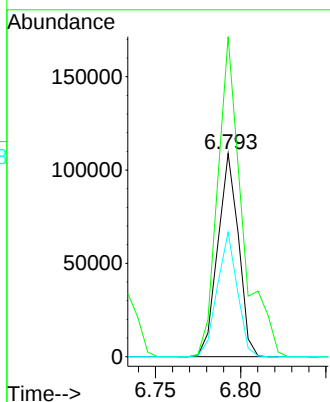
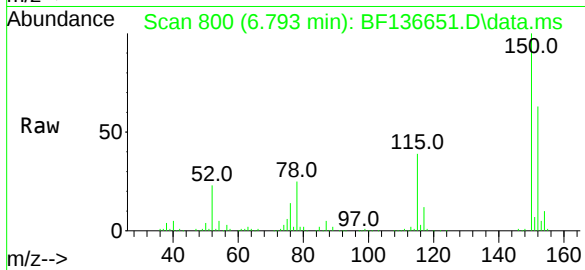
PB157585BS

Tgt Ion:152 Resp: 91874
Ion Ratio Lower Upper
152 100
150 157.5 127.0 190.6
115 61.3 49.0 73.4

Manual Integrations

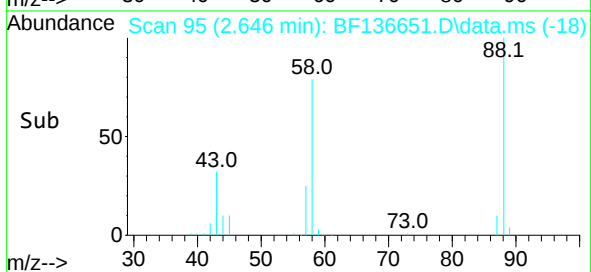
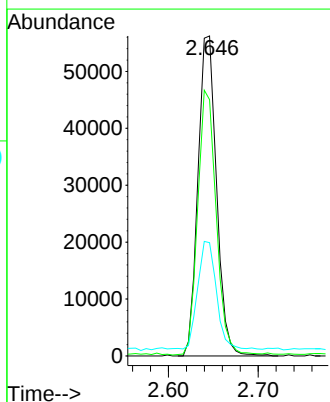
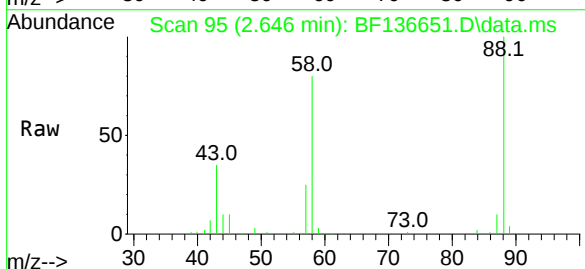
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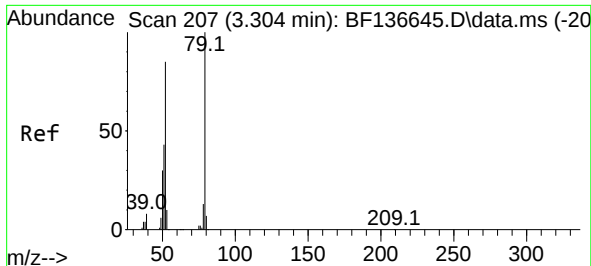
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#2
1,4-Dioxane
Concen: 32.960 ng
RT: 2.646 min Scan# 95
Delta R.T. 0.100 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Tgt Ion: 88 Resp: 80864
Ion Ratio Lower Upper
88 100
58 82.5 67.4 101.0
43 34.0 27.7 41.5





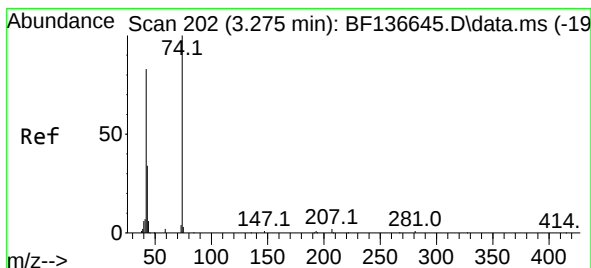
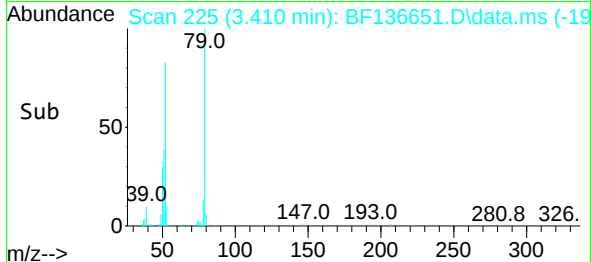
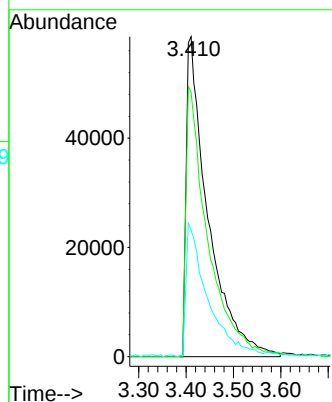
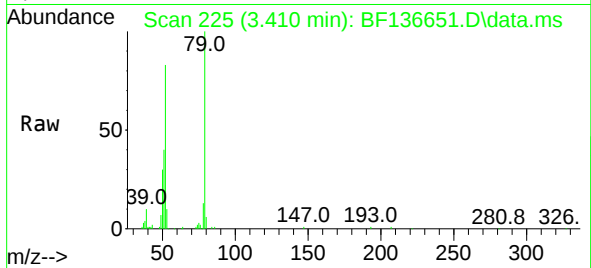
#3
Pyridine
Concen: 31.166 ng
RT: 3.410 min Scan# 219
Delta R.T. 0.106 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

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ClientSampleId :
PB157585BS

Tgt Ion: 79 Resp: 186562
Ion Ratio Lower Upper
79 100
52 82.6 67.7 101.5
51 39.6 34.0 51.0

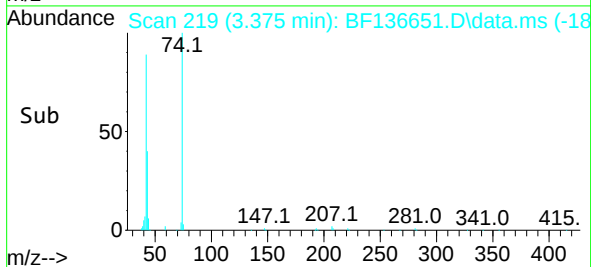
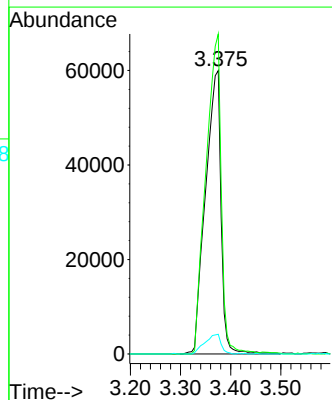
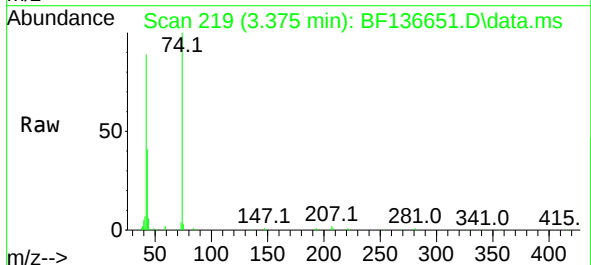
Manual Integrations
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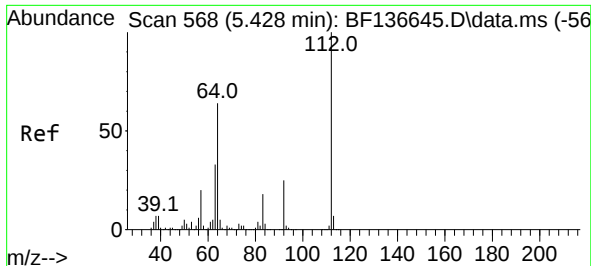
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#4
n-Nitrosodimethylamine
Concen: 40.364 ng
RT: 3.375 min Scan# 219
Delta R.T. 0.100 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Tgt Ion: 42 Resp: 129030
Ion Ratio Lower Upper
42 100
74 113.0 96.0 144.0
44 7.0 5.4 8.2





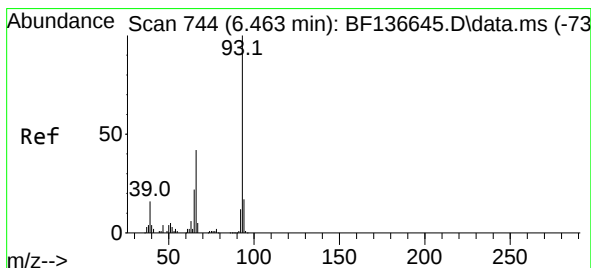
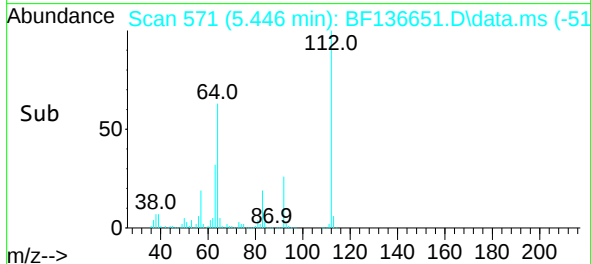
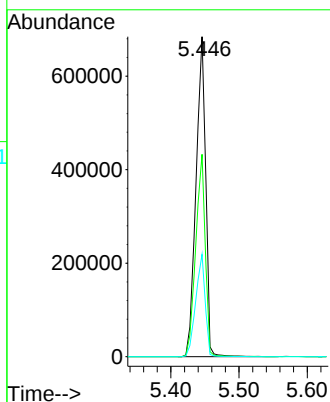
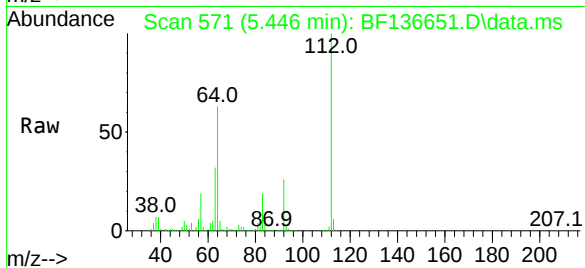
#5
2-Fluorophenol
Concen: 114.708 ng
RT: 5.446 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Instrument :
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Tgt Ion:112 Resp: 675436
Ion Ratio Lower Upper
112 100
64 63.3 51.1 76.7
63 32.0 26.1 39.1

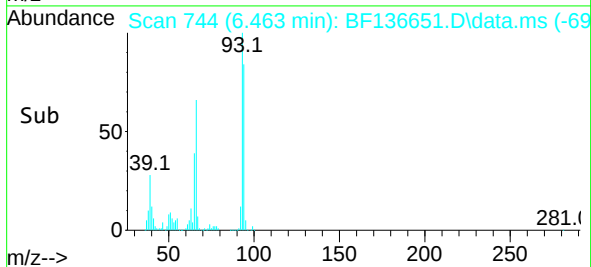
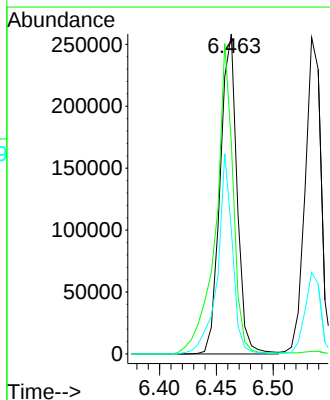
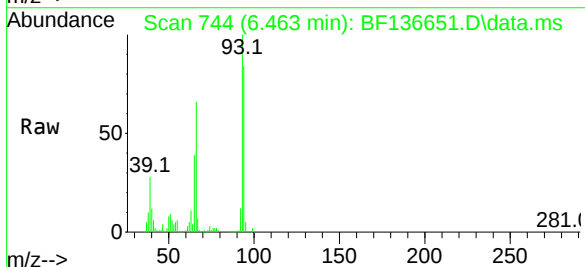
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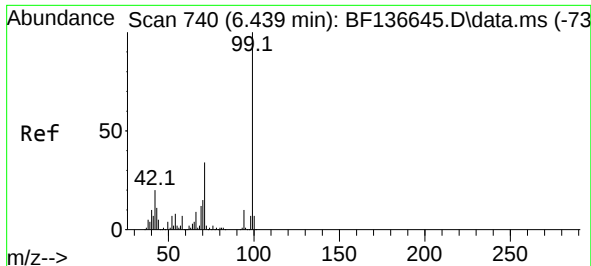
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#6
Aniline
Concen: 35.143 ng
RT: 6.463 min Scan# 744
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

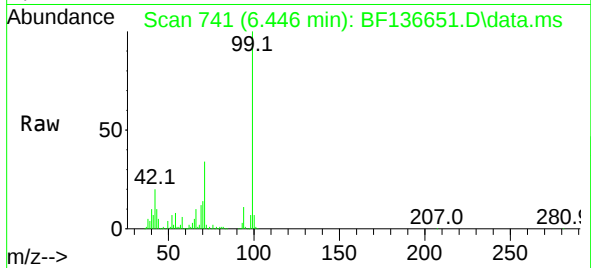
Tgt Ion: 93 Resp: 268081
Ion Ratio Lower Upper
93 100
66 65.9 34.6 51.8#
65 38.9 17.8 26.8#





#7
Phenol-d6
Concen: 114.009 ng
RT: 6.446 min Scan# 741
Delta R.T. 0.006 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

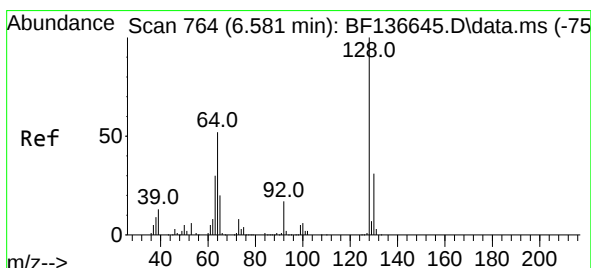
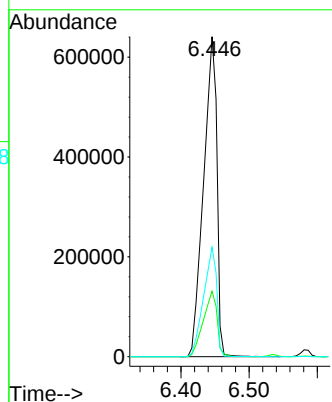
Instrument :
BNA_F
ClientSampleId :
PB157585BS



Tgt Ion: 99 Resp: 86986
Ion Ratio Lower Upper
99 100
42 20.5 16.1 24.1
71 34.2 27.4 41.2

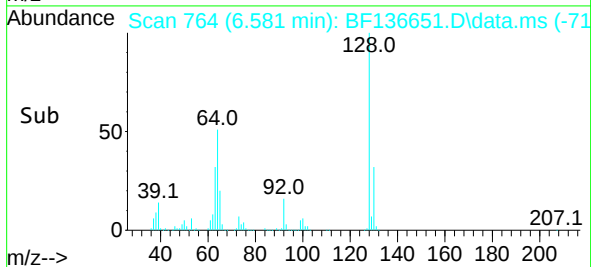
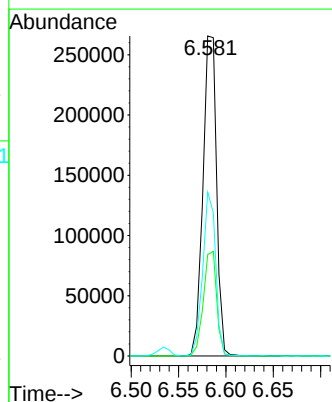
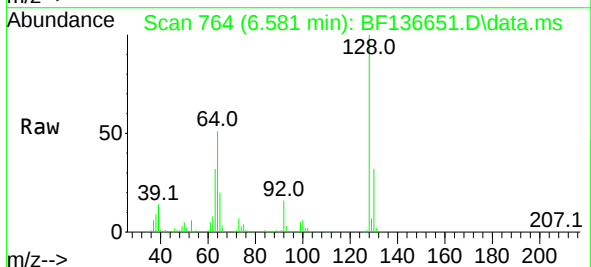
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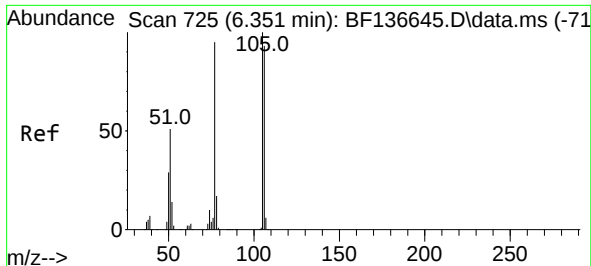
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#8
2-Chlorophenol
Concen: 41.471 ng
RT: 6.581 min Scan# 764
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

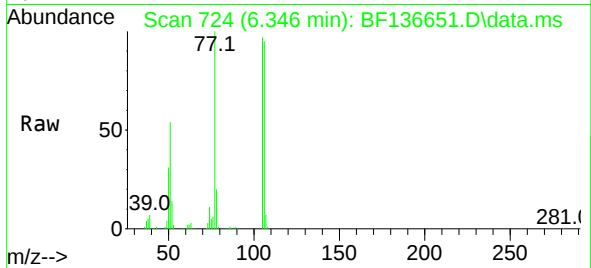
Tgt Ion:128 Resp: 267229
Ion Ratio Lower Upper
128 100
130 31.7 11.3 51.3
64 51.2 32.5 72.5





#9
Benzaldehyde
Concen: 21.861 ng
RT: 6.346 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

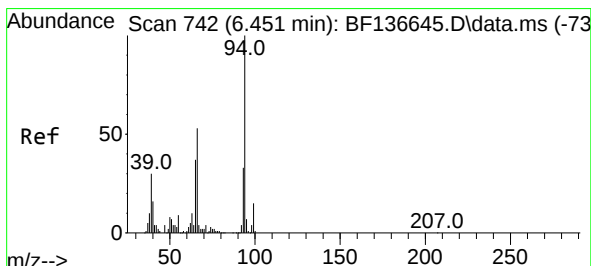
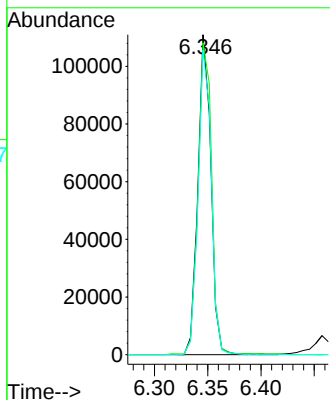
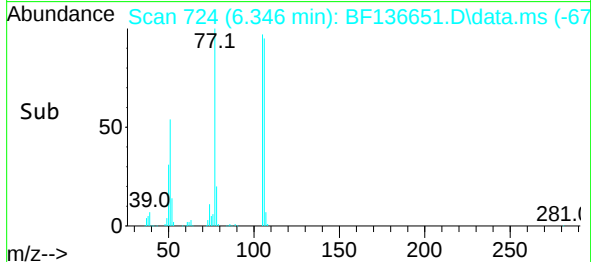
Instrument :
BNA_F
ClientSampleId :
PB157585BS



Tgt Ion: 77 Resp: 94874
Ion Ratio Lower Upper
77 100
105 97.5 84.8 124.8
106 95.2 77.8 117.8

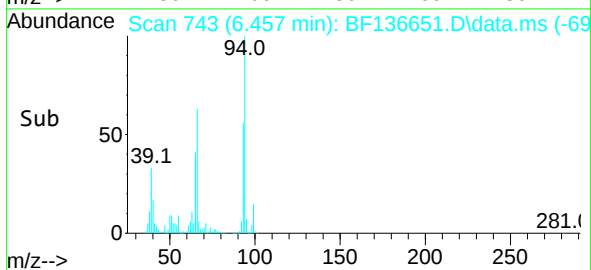
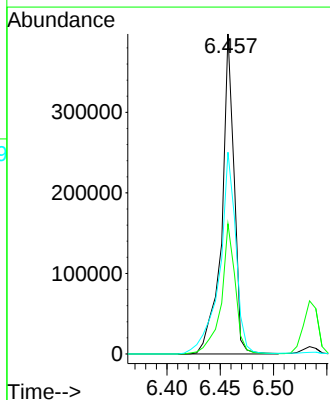
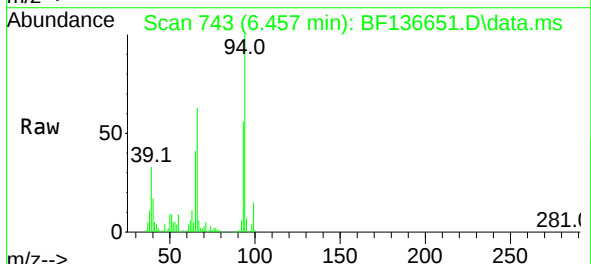
Manual Integrations
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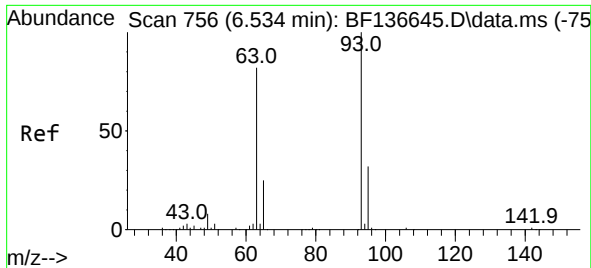
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#10
Phenol
Concen: 39.429 ng
RT: 6.457 min Scan# 743
Delta R.T. 0.006 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Tgt Ion: 94 Resp: 321141
Ion Ratio Lower Upper
94 100
65 40.7 16.6 56.6
66 63.1 32.6 72.6





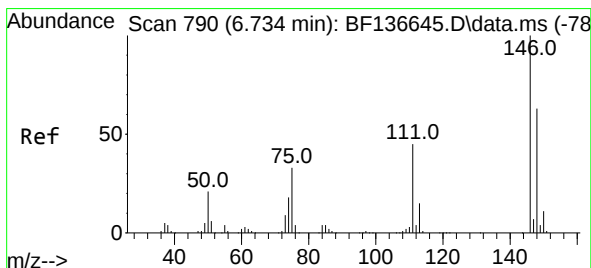
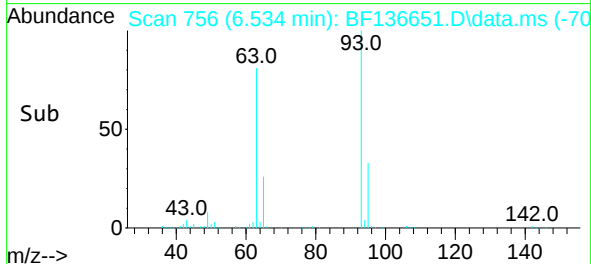
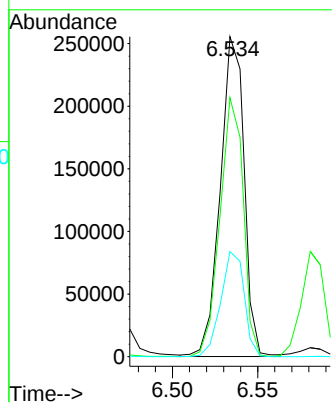
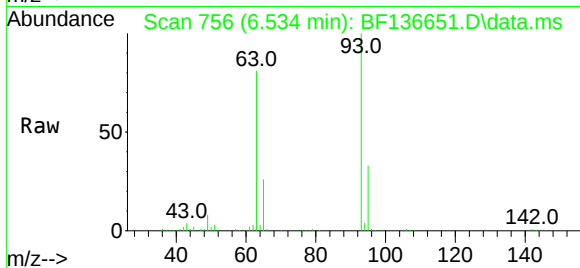
#11
bis(2-Chloroethyl)ether
Concen: 40.145 ng
RT: 6.534 min Scan# 756
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Instrument :
BNA_F
ClientSampleId :
PB157585BS

Tgt Ion: 93 Resp: 24866
Ion Ratio Lower Upper
93 100
63 81.0 61.2 101.2
95 32.8 11.6 51.6

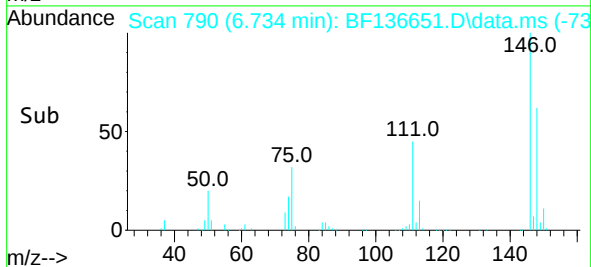
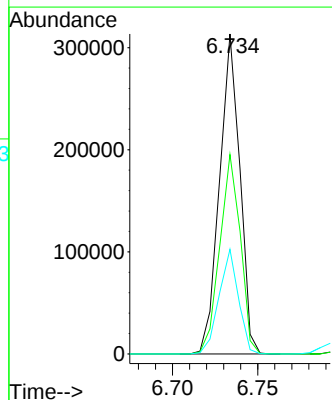
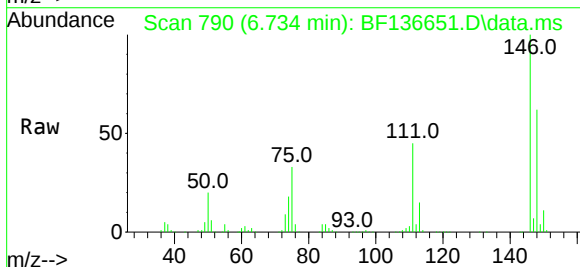
Manual Integrations
APPROVED

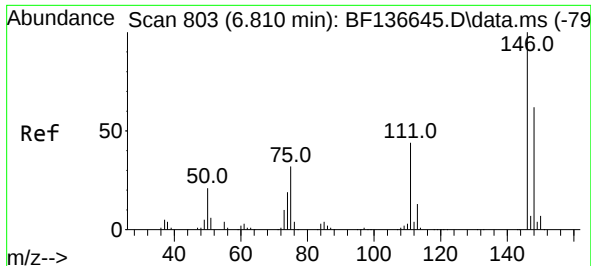
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#12
1,3-Dichlorobenzene
Concen: 36.941 ng
RT: 6.734 min Scan# 790
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Tgt Ion:146 Resp: 259674
Ion Ratio Lower Upper
146 100
148 62.4 50.5 75.7
75 32.7 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 37.251 ng

RT: 6.810 min Scan# 803

Delta R.T. 0.000 min

Lab File: BF136651.D

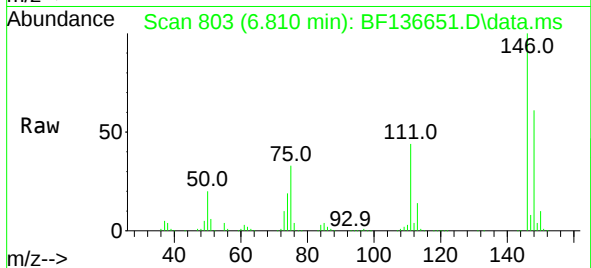
Acq: 20 Dec 2023 16:53

Instrument :

BNA_F

ClientSampleId :

PB157585BS



Tgt Ion:146 Resp: 267558

Ion Ratio Lower Upper

146 100

148 60.6 49.2 73.8

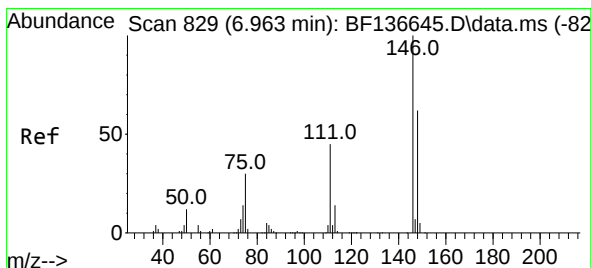
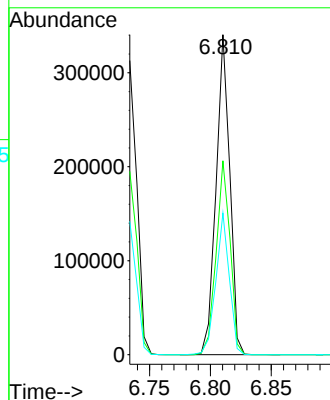
111 44.3 35.2 52.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#14

1,2-Dichlorobenzene

Concen: 37.833 ng

RT: 6.963 min Scan# 829

Delta R.T. 0.000 min

Lab File: BF136651.D

Acq: 20 Dec 2023 16:53

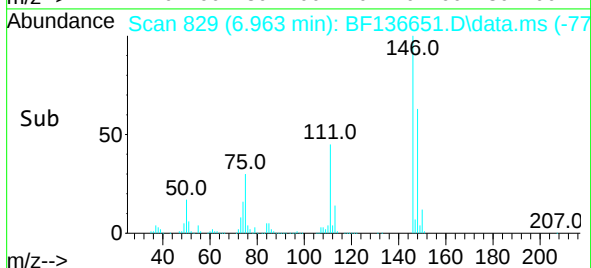
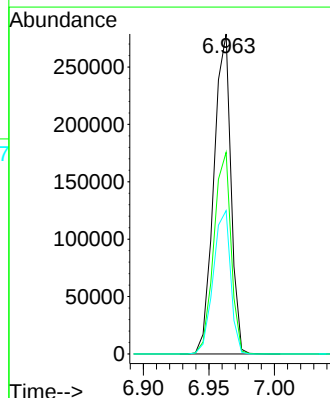
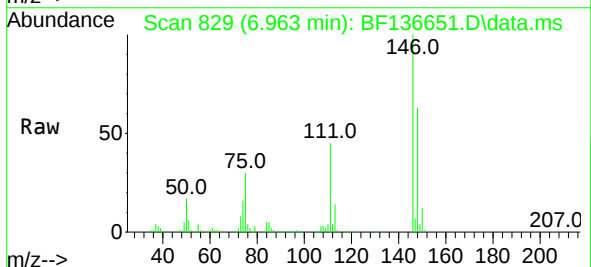
Tgt Ion:146 Resp: 252854

Ion Ratio Lower Upper

146 100

148 63.0 49.6 74.4

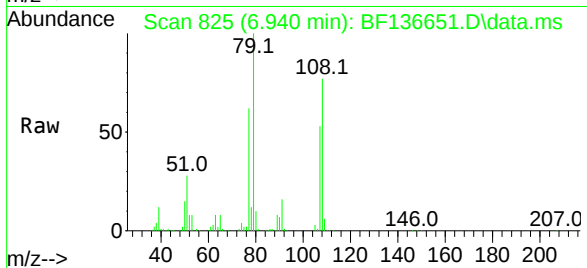
111 44.8 36.2 54.2





#15
Benzyl Alcohol
Concen: 42.778 ng
RT: 6.940 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

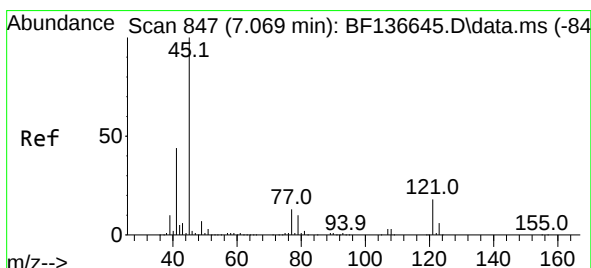
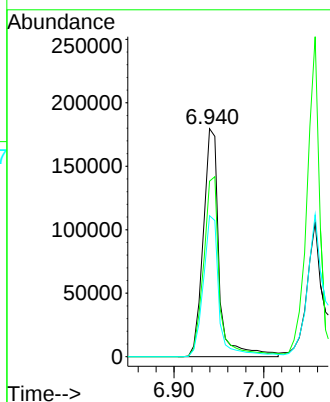
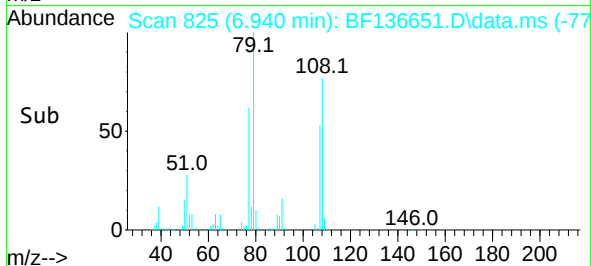
Instrument :
BNA_F
ClientSampleId :
PB157585BS



Tgt Ion: 79 Resp: 22019
Ion Ratio Lower Upper
79 100
108 77.0 61.0 91.6
77 61.9 49.8 74.8

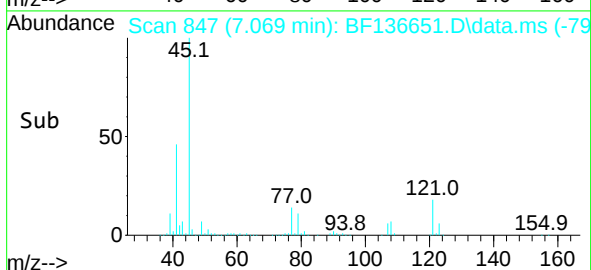
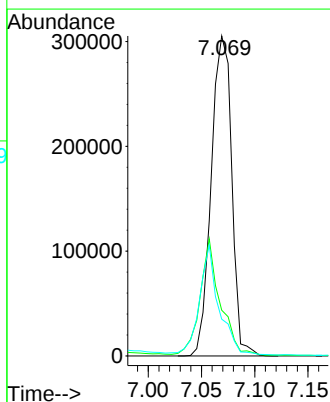
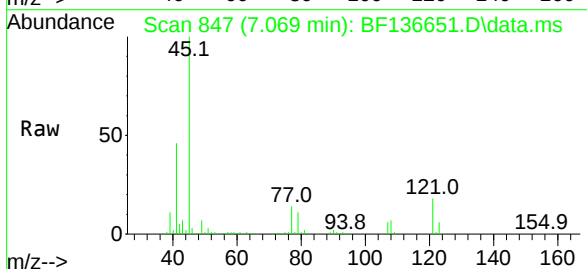
Manual Integrations
APPROVED

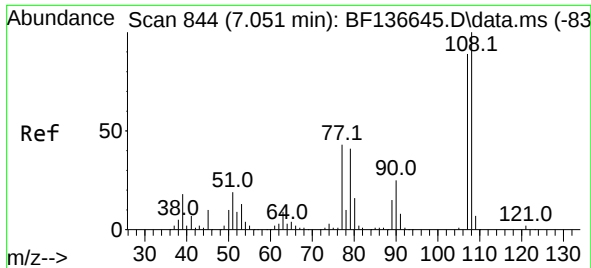
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.235 ng
RT: 7.069 min Scan# 847
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

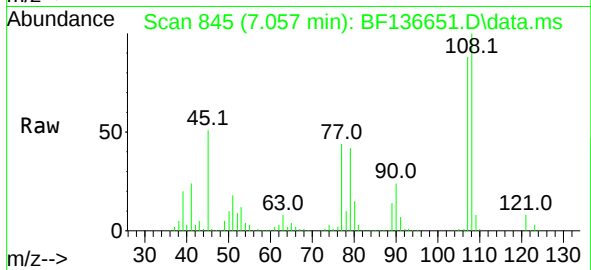
Tgt Ion: 45 Resp: 407459
Ion Ratio Lower Upper
45 100
77 14.3 0.0 34.3
79 11.5 0.0 31.4





#17
2-Methylphenol
Concen: 40.636 ng
RT: 7.057 min Scan# 844
Delta R.T. 0.006 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

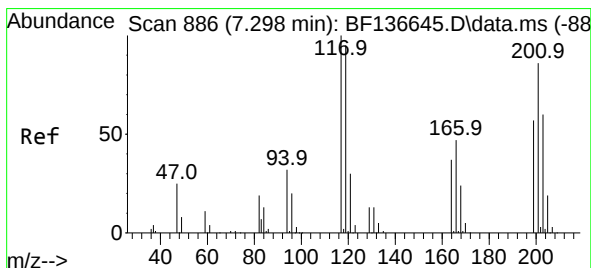
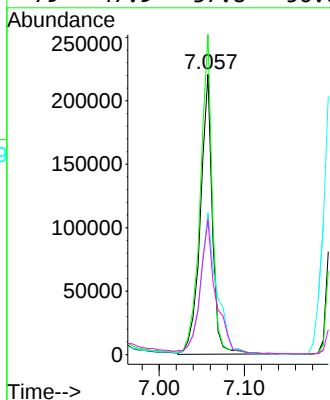
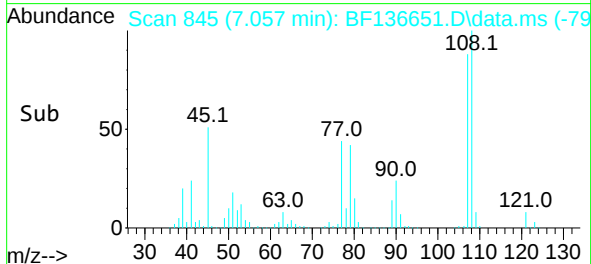
Instrument :
BNA_F
ClientSampleId :
PB157585BS



Tgt Ion:107 Resp: 21692
Ion Ratio Lower Upper
107 100
108 114.1 90.3 135.5
77 50.6 38.7 58.1
79 47.9 37.8 56.6

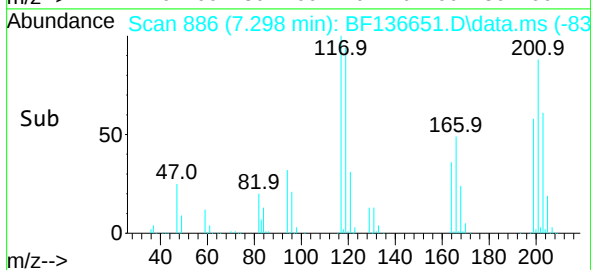
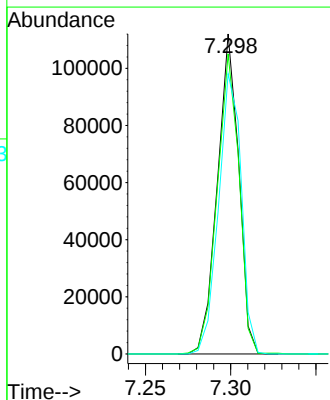
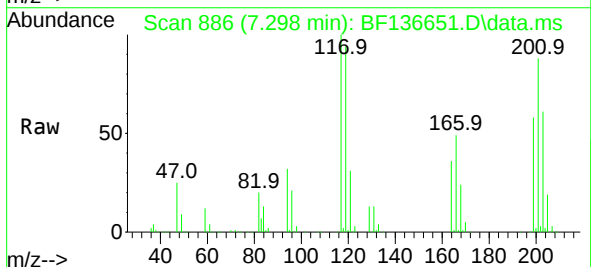
Manual Integrations
APPROVED

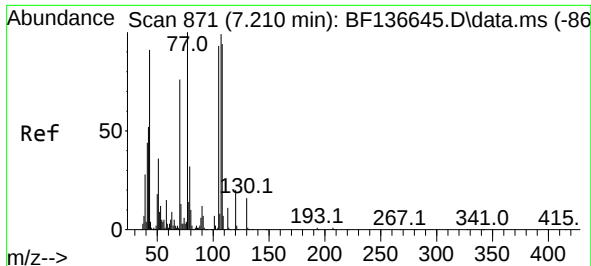
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#18
Hexachloroethane
Concen: 37.423 ng
RT: 7.298 min Scan# 886
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

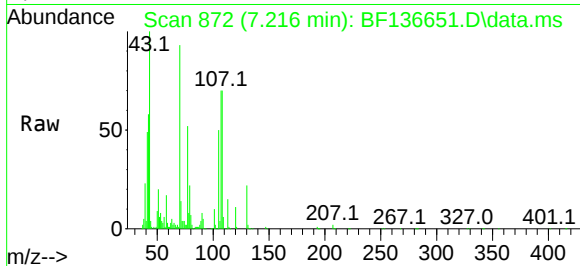
Tgt Ion:117 Resp: 97617
Ion Ratio Lower Upper
117 100
119 93.8 75.8 113.6
201 87.6 69.1 103.7





#19
n-Nitroso-di-n-propylamine
Concen: 39.826 ng
RT: 7.216 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

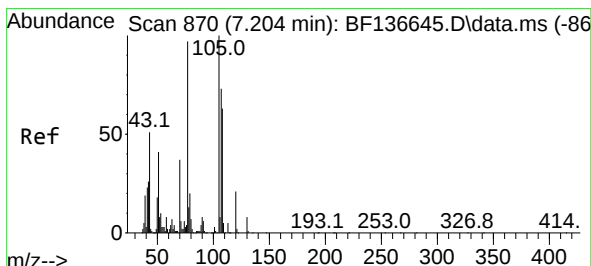
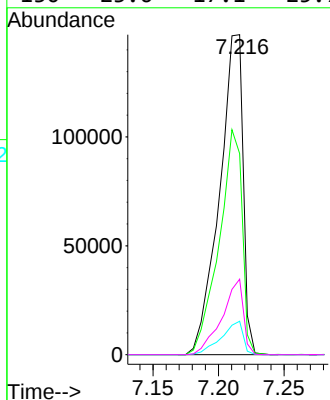
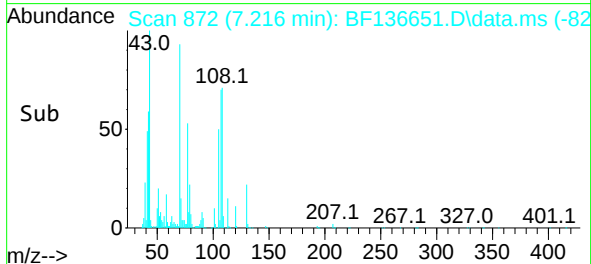
Instrument :
BNA_F
ClientSampleId :
PB157585BS



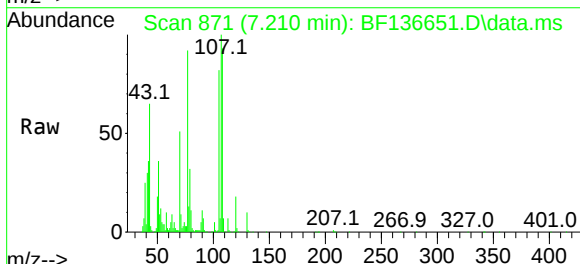
Tgt Ion: 70 Resp: 184199
Ion Ratio Lower Upper
70 100
42 62.9 54.2 81.4
101 10.5 7.6 11.4
130 23.6 17.1 25.7

Manual Integrations
APPROVED

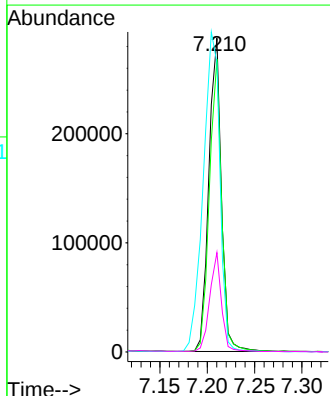
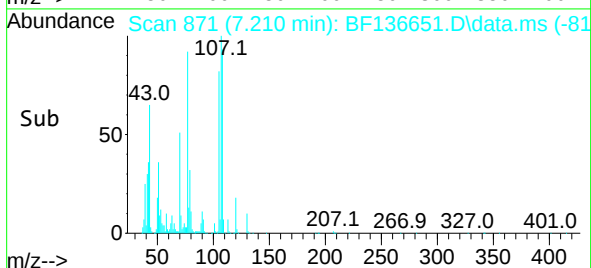
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

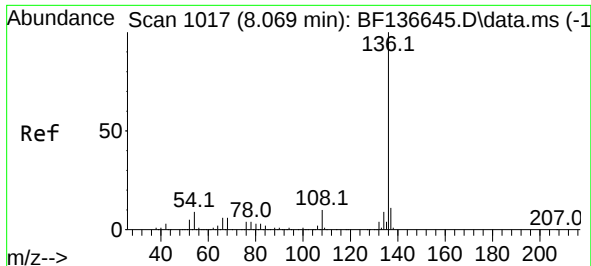


#20
3+4-Methylphenols
Concen: 39.848 ng
RT: 7.210 min Scan# 871
Delta R.T. 0.006 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53



Tgt Ion:107 Resp: 265748
Ion Ratio Lower Upper
107 100
108 93.3 66.0 106.0
77 92.2 114.2 154.2#
79 31.7 7.2 47.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.069 min Scan# 1017
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Instrument :

BNA_F

ClientSampleId :

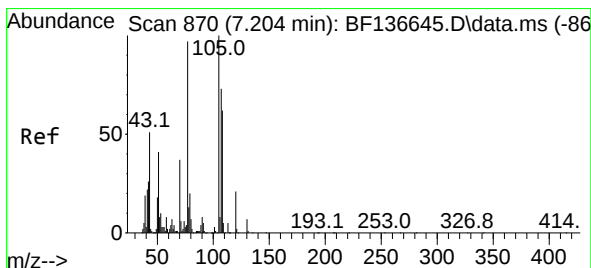
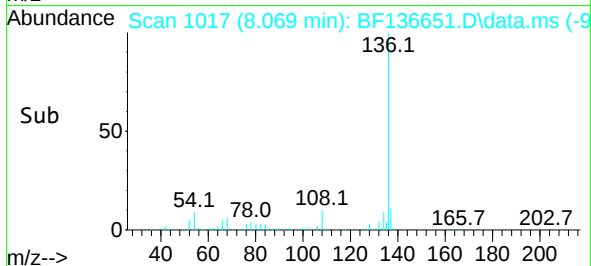
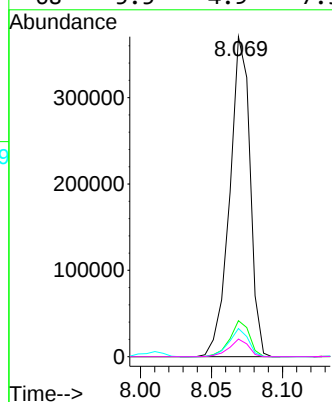
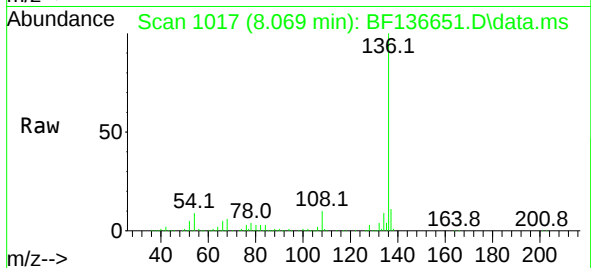
PB157585BS

Tgt Ion:136 Resp: 36958
Ion Ratio Lower Upper
136 100
137 11.3 9.0 13.4
54 8.8 7.2 10.8
68 5.5 4.9 7.3

Manual Integrations

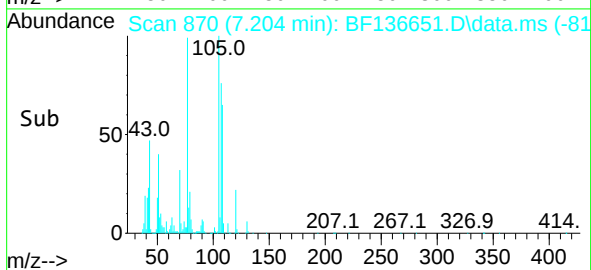
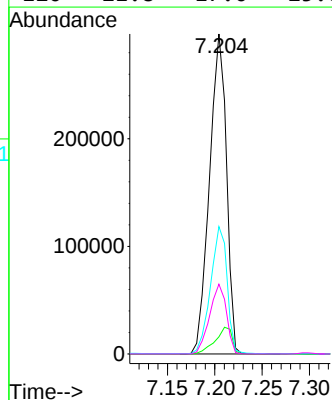
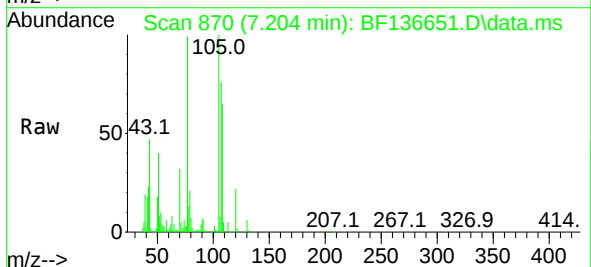
APPROVED

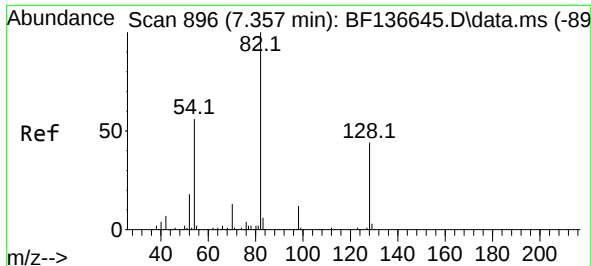
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#22
Acetophenone
Concen: 39.907 ng
RT: 7.204 min Scan# 870
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Tgt Ion:105 Resp: 369678
Ion Ratio Lower Upper
105 100
71 5.4 4.8 7.2
51 39.8 32.8 49.2
120 21.8 17.0 25.6





#23
Nitrobenzene-d5
Concen: 74.627 ng
RT: 7.363 min Scan# 896
Delta R.T. 0.006 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Instrument :

BNA_F

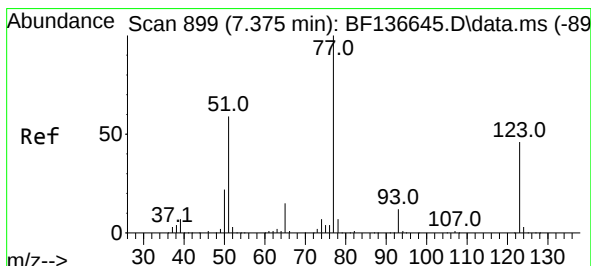
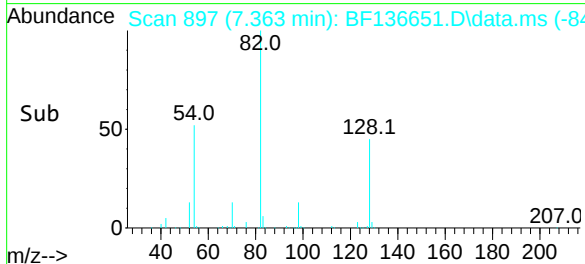
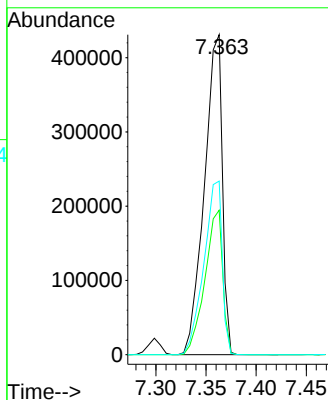
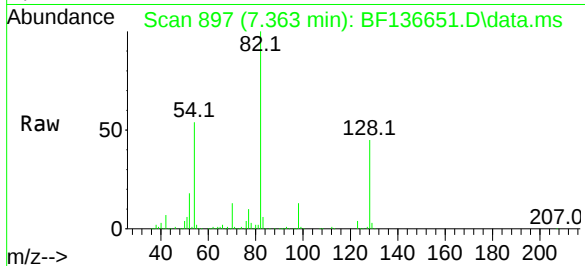
ClientSampleId :

PB157585BS

Tgt Ion: 82 Resp: 538992
Ion Ratio Lower Upper
82 100
128 45.2 35.3 52.9
54 54.3 44.5 66.7

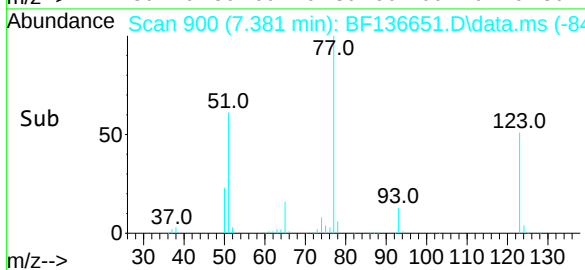
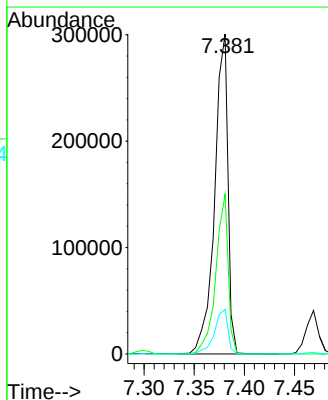
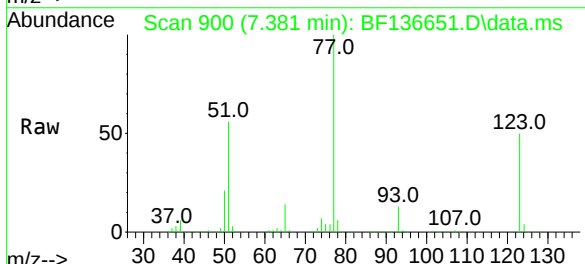
Manual Integrations
APPROVED

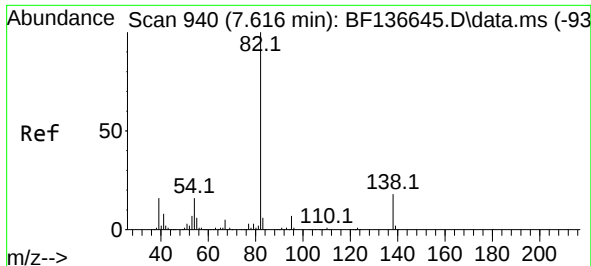
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#24
Nitrobenzene
Concen: 38.253 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.006 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

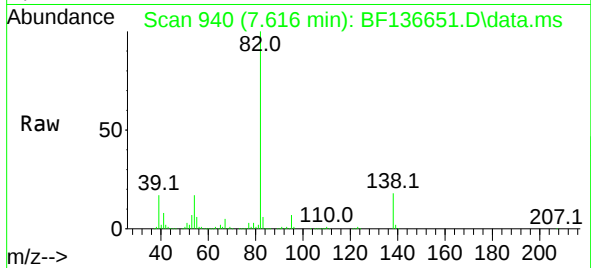
Tgt Ion: 77 Resp: 276764
Ion Ratio Lower Upper
77 100
123 49.9 36.7 55.1
65 13.9 11.8 17.6





#25
Isophorone
Concen: 39.402 ng
RT: 7.616 min Scan# 940
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

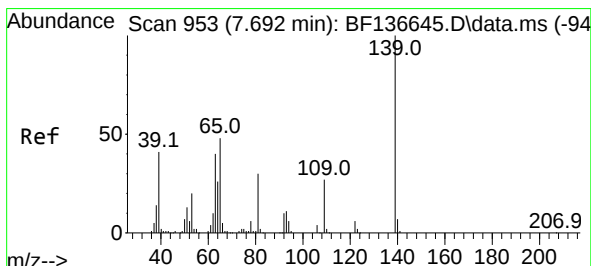
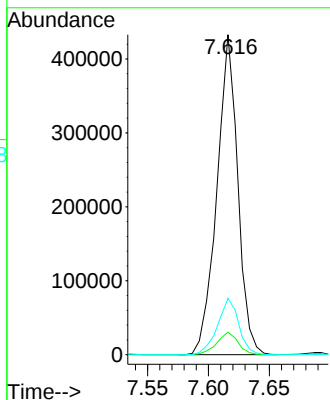
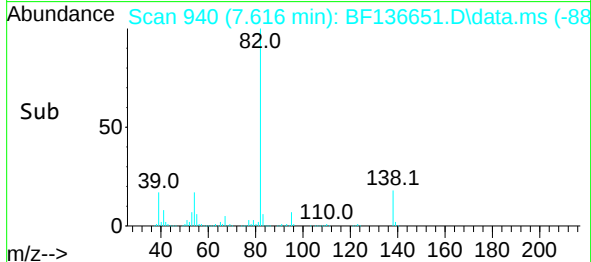
Instrument :
BNA_F
ClientSampleId :
PB157585BS



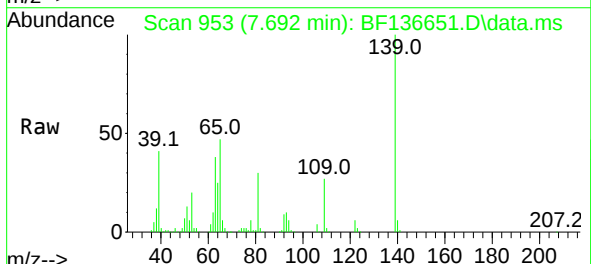
Tgt Ion: 82 Resp: 517818
Ion Ratio Lower Upper
82 100
95 7.0 5.5 8.3
138 17.6 14.5 21.7

Manual Integrations
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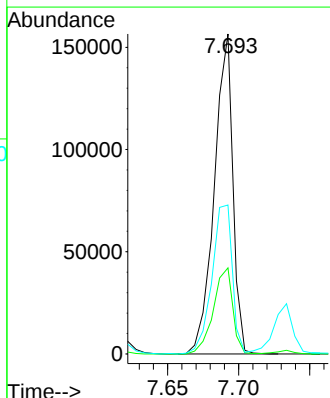
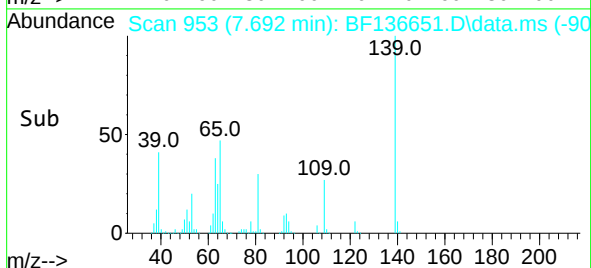
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

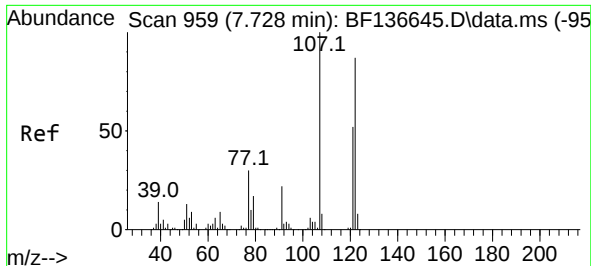


#26
2-Nitrophenol
Concen: 41.056 ng
RT: 7.692 min Scan# 953
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53



Tgt Ion:139 Resp: 142117
Ion Ratio Lower Upper
139 100
109 26.9 21.9 32.9
65 46.6 38.6 58.0





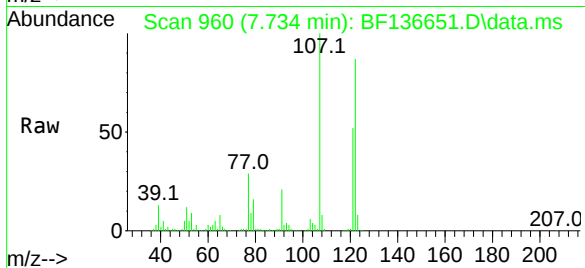
#27
2,4-Dimethylphenol
Concen: 56.590 ng
RT: 7.734 min Scan# 90
Delta R.T. 0.006 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Instrument :

BNA_F

ClientSampleId :

PB157585BS



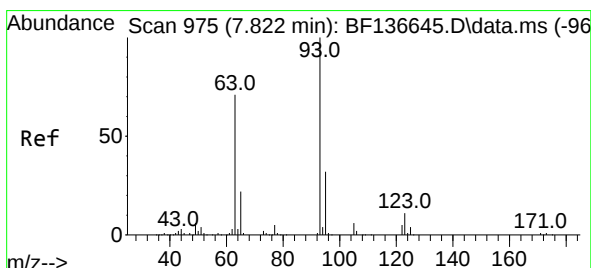
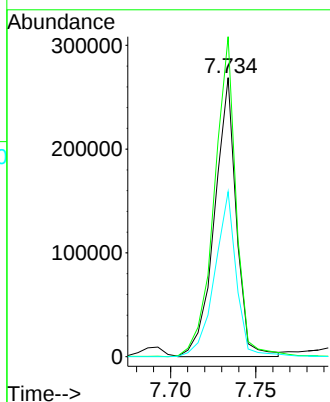
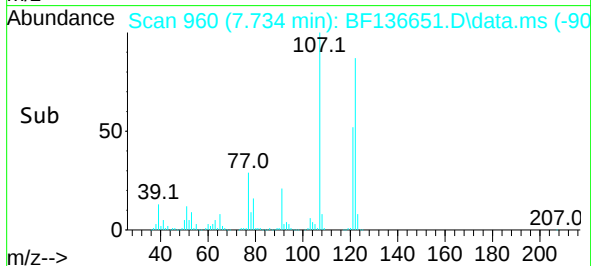
Tgt Ion:122 Resp: 23848
Ion Ratio Lower Upper
122 100
107 114.7 92.0 138.0
121 59.1 47.5 71.3

Manual Integrations

APPROVED

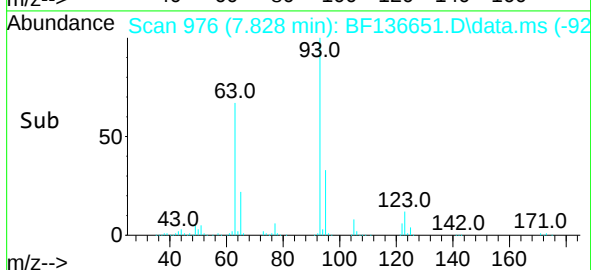
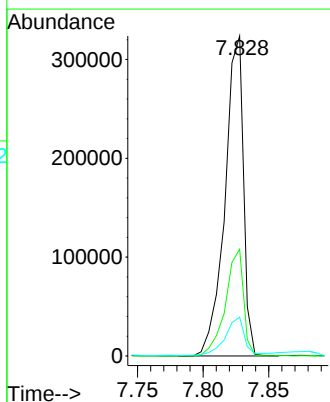
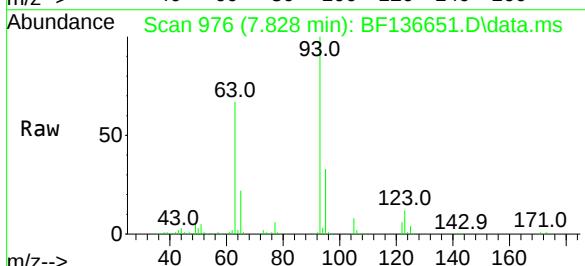
Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#28
bis(2-Chloroethoxy)methane
Concen: 39.740 ng
RT: 7.828 min Scan# 976
Delta R.T. 0.006 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Tgt Ion: 93 Resp: 317461
Ion Ratio Lower Upper
93 100
95 33.4 25.5 38.3
123 12.1 9.2 13.8





#29

2,4-Dichlorophenol

Concen: 40.568 ng

RT: 7.934 min Scan# 94

Delta R.T. 0.000 min

Lab File: BF136651.D

Acq: 20 Dec 2023 16:53

Instrument :

BNA_F

ClientSampleId :

PB157585BS

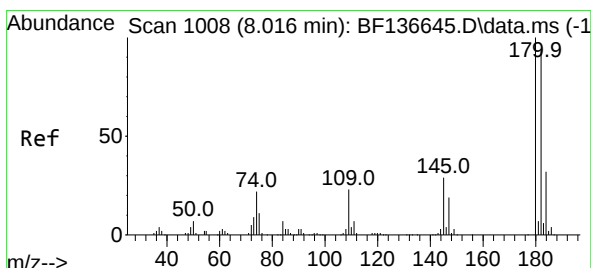
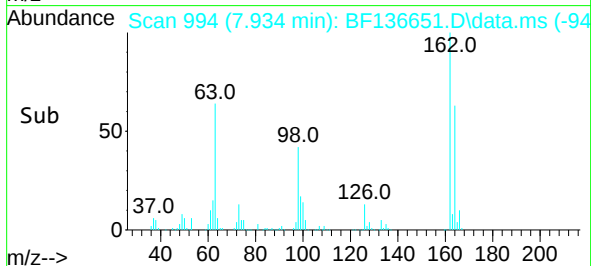
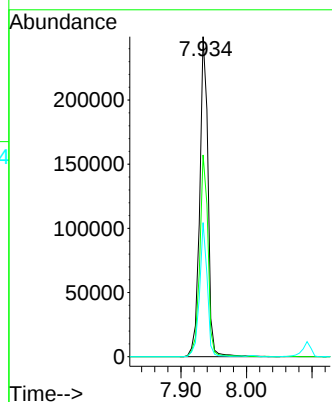
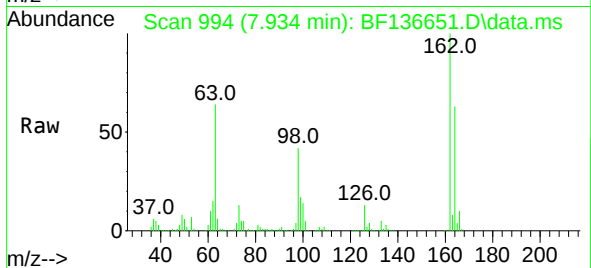
Tgt Ion:	162	Resp:	22010
Ion Ratio	Lower	Upper	
162	100		
164	63.0	41.7	81.7
98	41.9	19.5	59.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#30

1,2,4-Trichlorobenzene

Concen: 37.797 ng

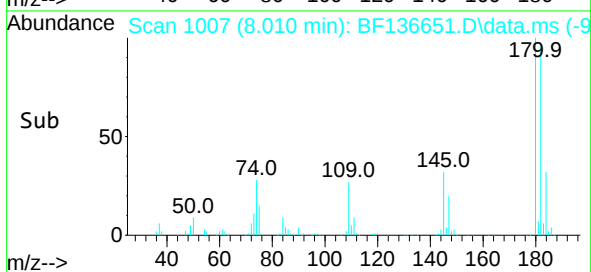
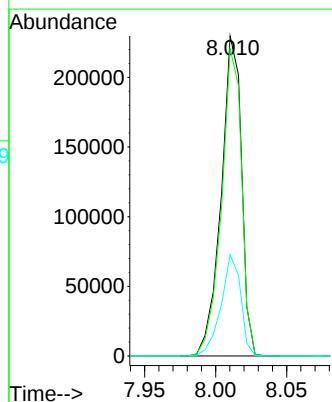
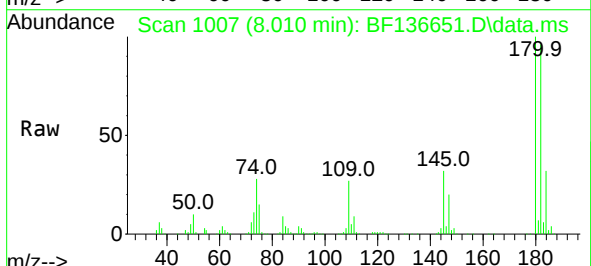
RT: 8.010 min Scan# 1007

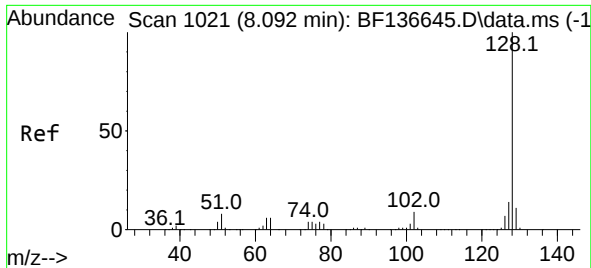
Delta R.T. -0.006 min

Lab File: BF136651.D

Acq: 20 Dec 2023 16:53

Tgt Ion:	180	Resp:	228480
Ion Ratio	Lower	Upper	
180	100		
182	96.0	75.4	113.0
145	31.6	23.1	34.7





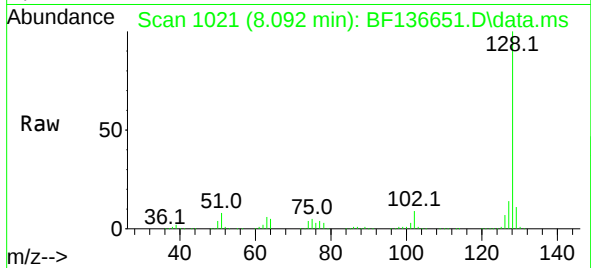
#31
Naphthalene
Concen: 37.826 ng
RT: 8.092 min Scan# 1021
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Instrument :

BNA_F

ClientSampleId :

PB157585BS

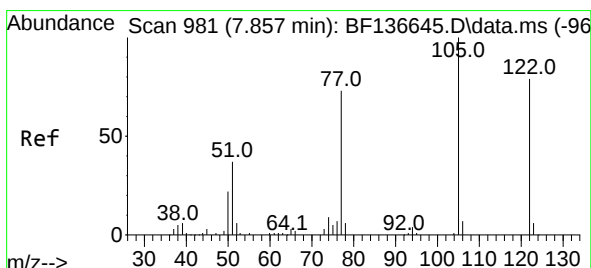
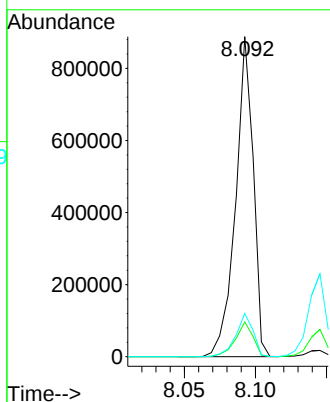
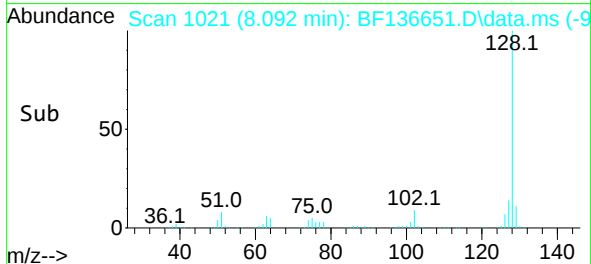


Tgt Ion:128 Resp: 768000
Ion Ratio Lower Upper
128 100
129 10.8 8.7 13.1
127 13.5 10.8 16.2

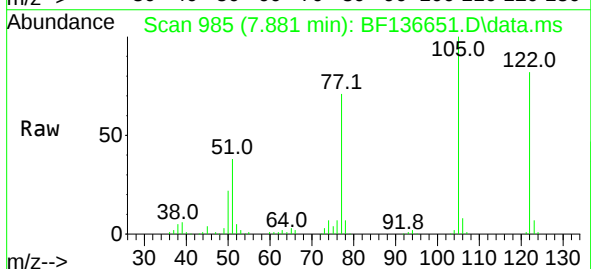
Manual Integrations

APPROVED

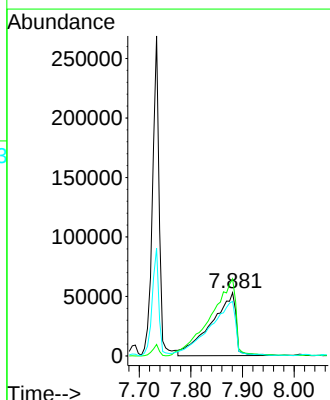
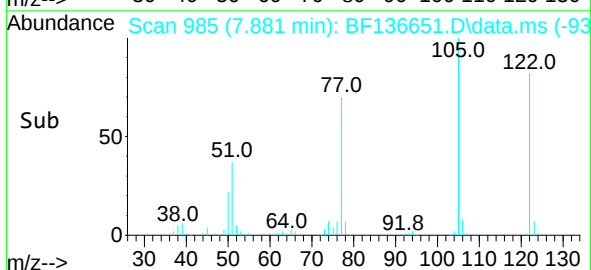
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

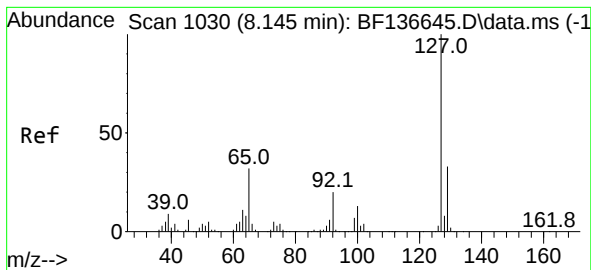


#32
Benzoic acid
Concen: 43.480 ng
RT: 7.881 min Scan# 985
Delta R.T. 0.024 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53



Tgt Ion:122 Resp: 177291
Ion Ratio Lower Upper
122 100
105 122.2 100.8 140.8
77 86.5 70.9 110.9





#33
4-Chloroaniline
Concen: 28.062 ng
RT: 8.145 min Scan# 1030
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Instrument :

BNA_F

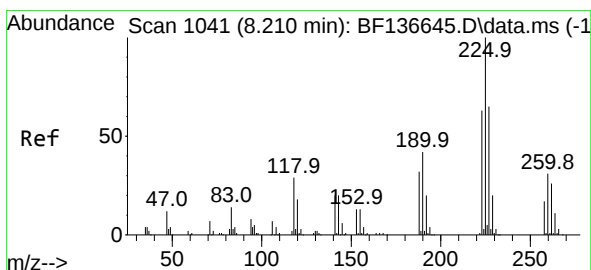
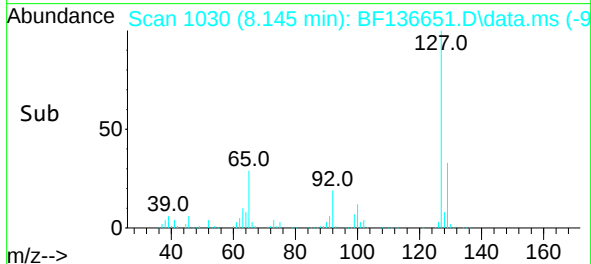
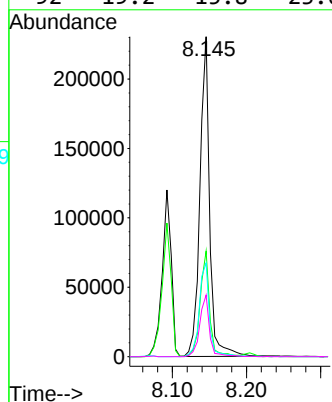
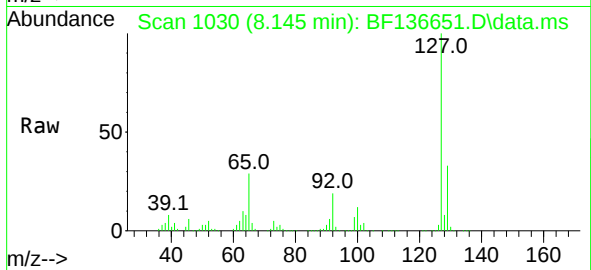
ClientSampleId :

PB157585BS

Tgt Ion:127 Resp: 210369
Ion Ratio Lower Upper
127 100
129 33.0 26.3 39.5
65 29.3 25.8 38.8
92 19.2 15.8 23.6

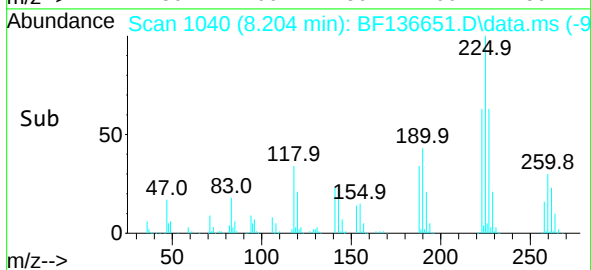
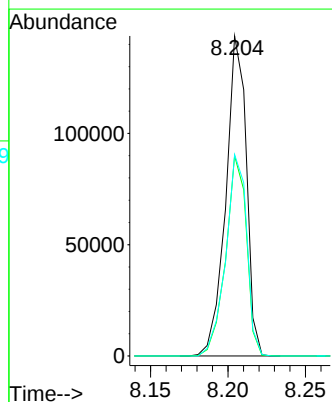
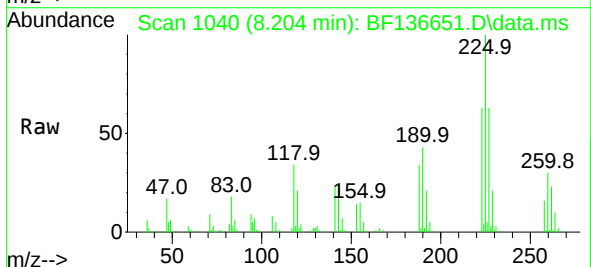
Manual Integrations
APPROVED

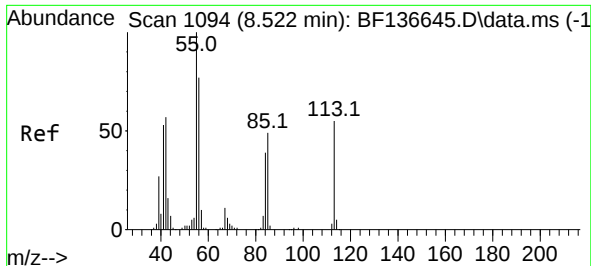
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#34
Hexachlorobutadiene
Concen: 36.096 ng
RT: 8.204 min Scan# 1040
Delta R.T. -0.006 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

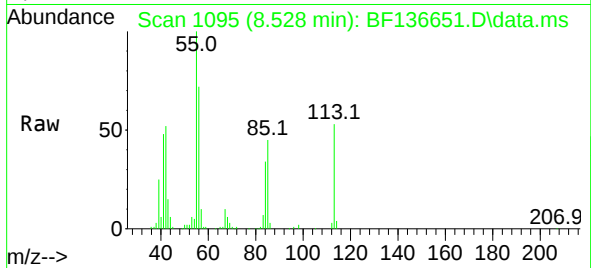
Tgt Ion:225 Resp: 132569
Ion Ratio Lower Upper
225 100
223 62.5 50.6 76.0
227 62.9 51.9 77.9





#35
Caprolactam
Concen: 42.809 ng m
RT: 8.528 min Scan# 1094
Delta R.T. 0.006 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

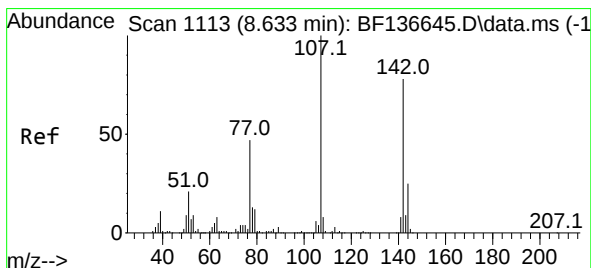
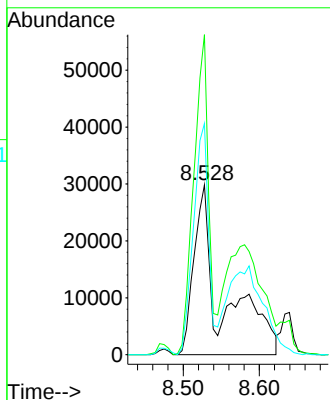
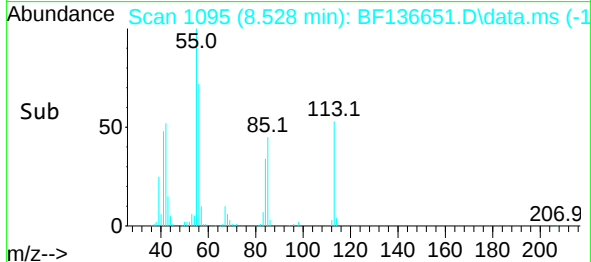
Instrument :
BNA_F
ClientSampleId :
PB157585BS



Tgt Ion:113 Resp: 7662
Ion Ratio Lower Upper
113 100
55 188.5 163.1 203.1
56 136.2 121.7 161.7

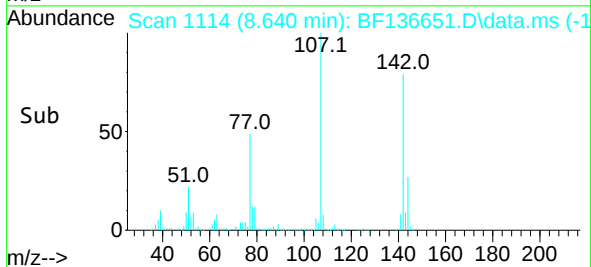
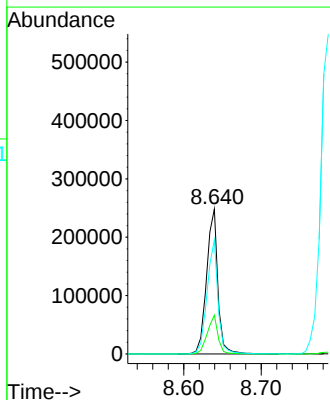
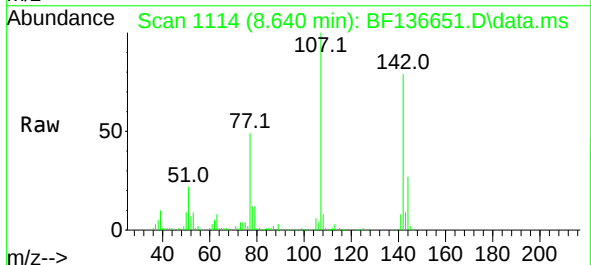
Manual Integrations
APPROVED

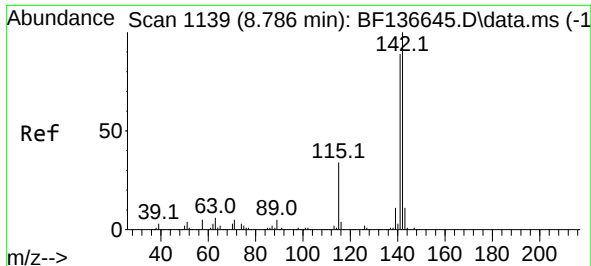
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#36
4-Chloro-3-methylphenol
Concen: 40.960 ng
RT: 8.640 min Scan# 1114
Delta R.T. 0.006 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Tgt Ion:107 Resp: 250180
Ion Ratio Lower Upper
107 100
144 26.7 20.2 30.2
142 78.6 62.3 93.5





#37
2-Methylnaphthalene
Concen: 38.806 ng
RT: 8.787 min Scan# 1139
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Instrument :

BNA_F

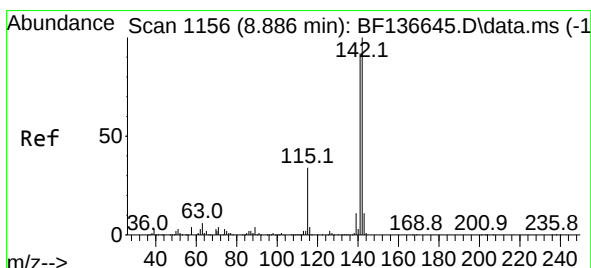
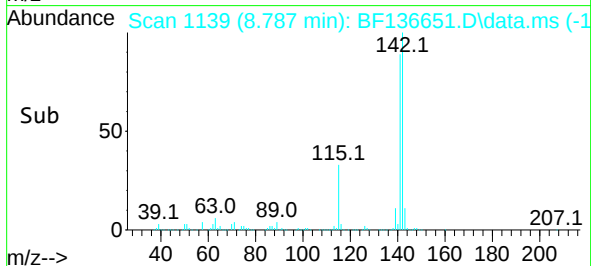
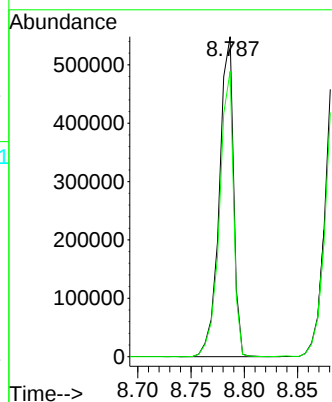
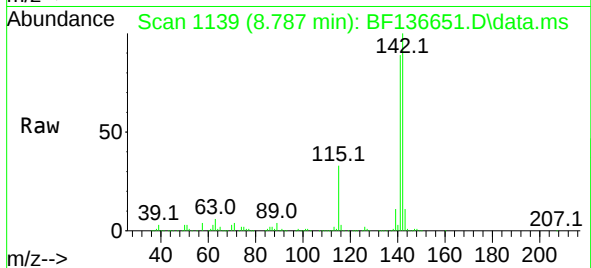
ClientSampleId :

PB157585BS

Tgt Ion:142 Resp: 507070
Ion Ratio Lower Upper
142 100
141 89.1 71.1 106.7

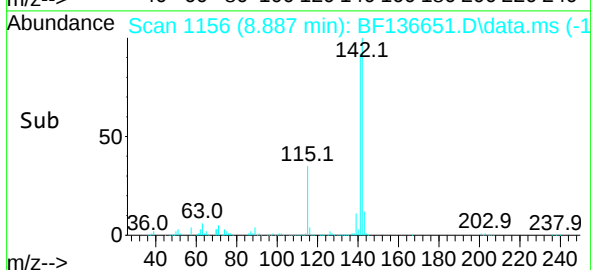
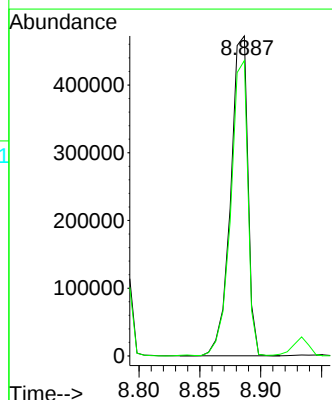
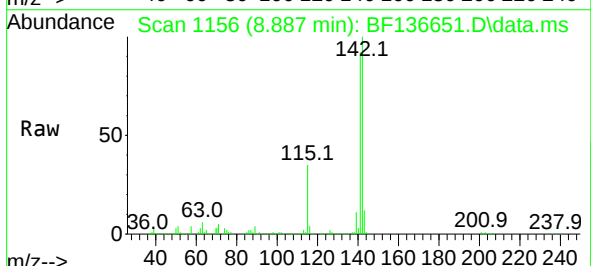
Manual Integrations
APPROVED

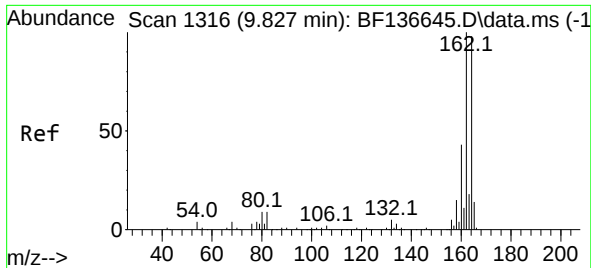
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#38
1-Methylnaphthalene
Concen: 36.427 ng
RT: 8.887 min Scan# 1156
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Tgt Ion:142 Resp: 466981
Ion Ratio Lower Upper
142 100
141 92.3 73.6 110.4





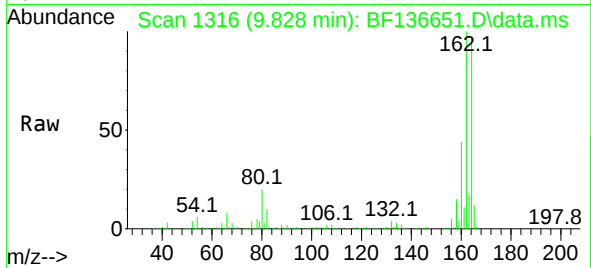
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.828 min Scan# 1116
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Instrument :

BNA_F

ClientSampleId :

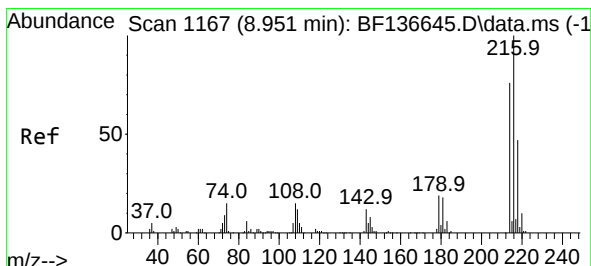
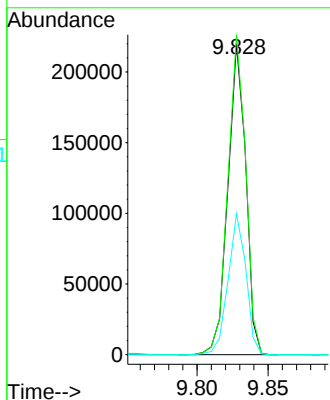
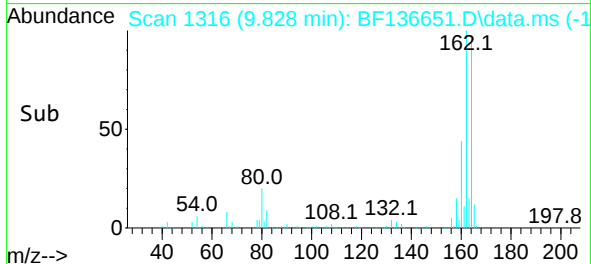
PB157585BS



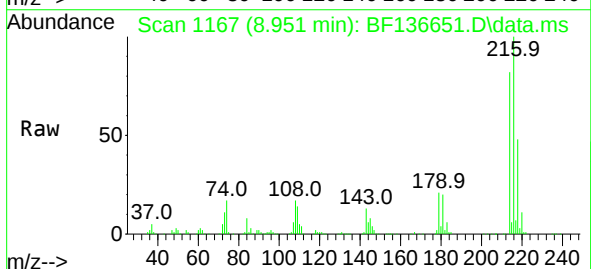
Tgt Ion:164 Resp: 193460
Ion Ratio Lower Upper
164 100
162 102.9 81.6 122.4
160 45.3 34.9 52.3

Manual Integrations
APPROVED

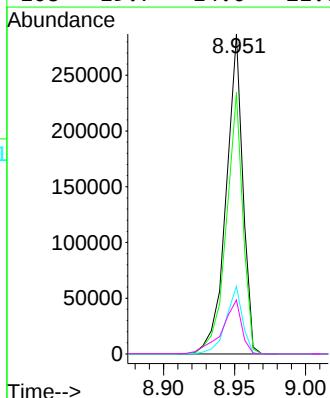
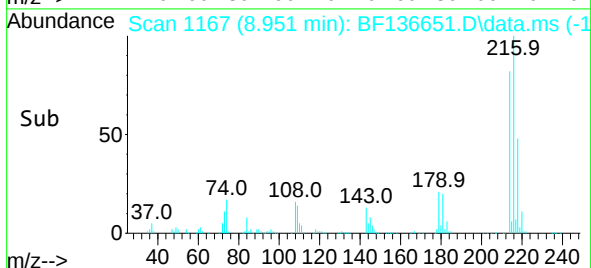
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

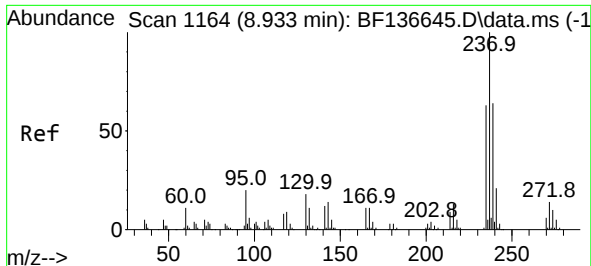


#40
1,2,4,5-Tetrachlorobenzene
Concen: 39.252 ng
RT: 8.951 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53



Tgt Ion:216 Resp: 235172
Ion Ratio Lower Upper
216 100
214 80.7 62.3 93.5
179 20.8 16.4 24.6
108 19.7 14.0 21.0





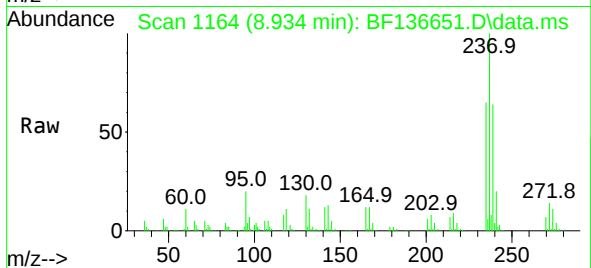
#41
Hexachlorocyclopentadiene
Concen: 108.328 ng
RT: 8.934 min Scan# 1164
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Instrument :

BNA_F

ClientSampleId :

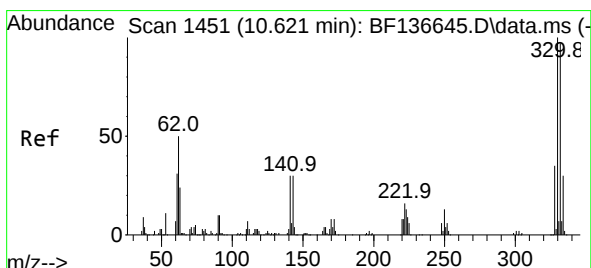
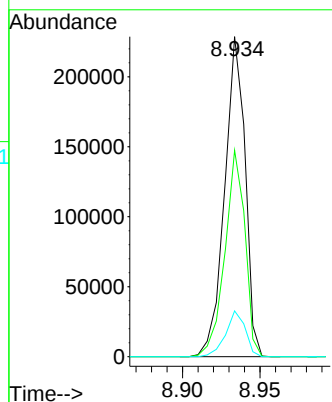
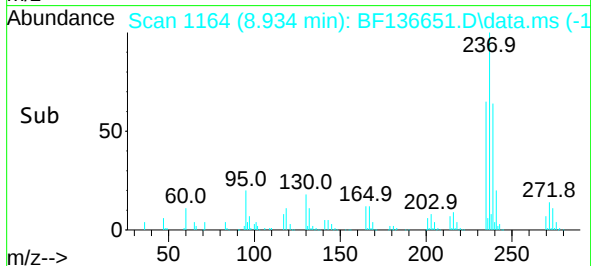
PB157585BS



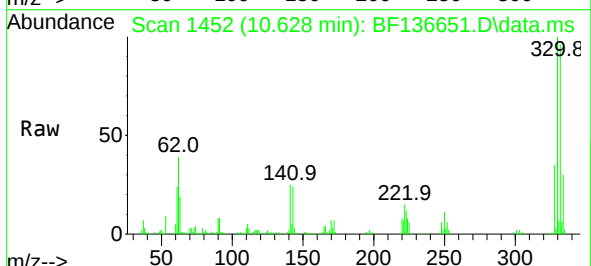
Tgt Ion:237 Resp: 210469
Ion Ratio Lower Upper
237 100
235 64.5 43.2 83.2
272 14.3 0.0 34.2

Manual Integrations
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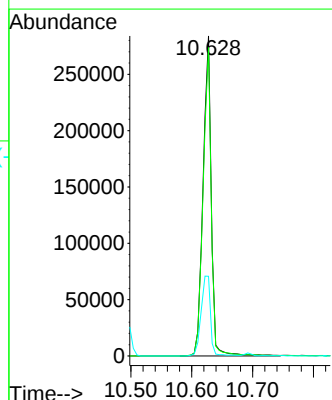
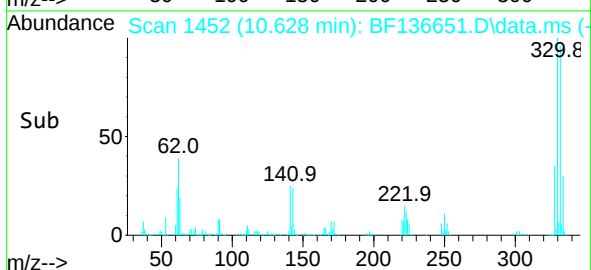
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

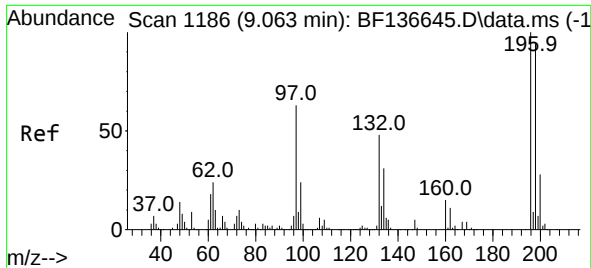


#42
2,4,6-Tribromophenol
Concen: 116.442 ng
RT: 10.628 min Scan# 1452
Delta R.T. 0.006 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53



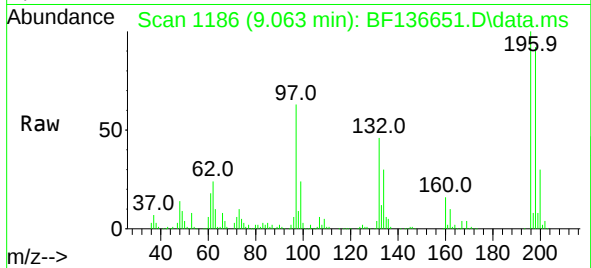
Tgt Ion:330 Resp: 265304
Ion Ratio Lower Upper
330 100
332 96.3 77.4 116.0
141 28.6 23.4 35.2





#43
2,4,6-Trichlorophenol
Concen: 41.727 ng
RT: 9.063 min Scan# 1186
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

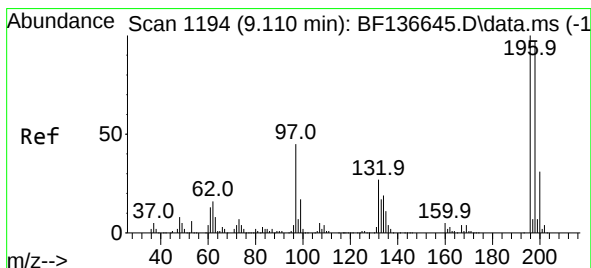
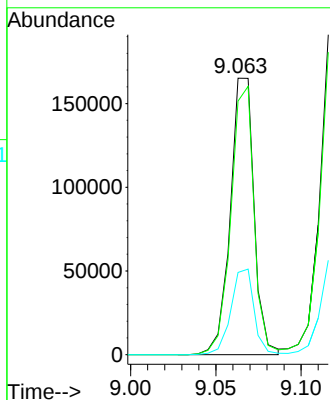
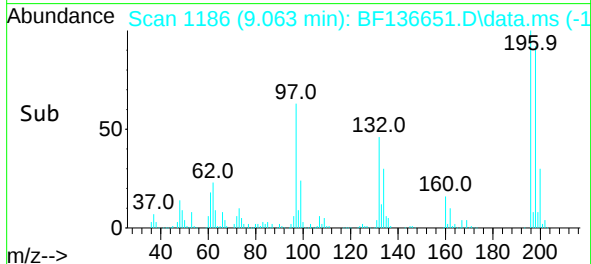
Instrument :
BNA_F
ClientSampleId :
PB157585BS



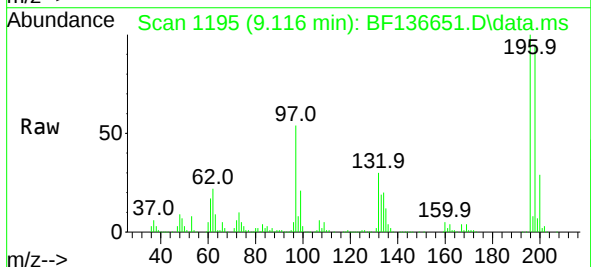
Tgt Ion:196 Resp: 16033
Ion Ratio Lower Upper
196 100
198 91.7 75.1 112.7
200 29.8 22.5 33.7

Manual Integrations
APPROVED

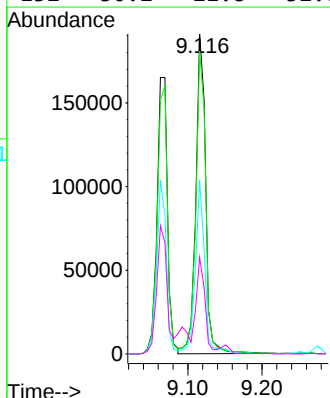
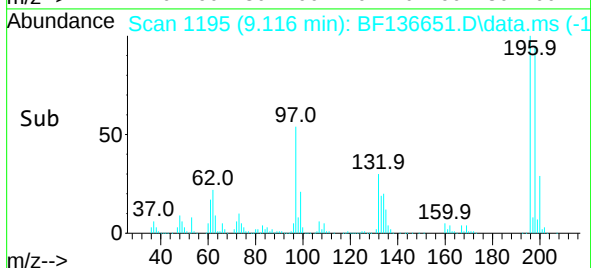
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

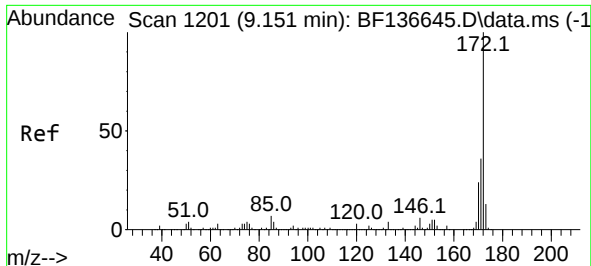


#44
2,4,5-Trichlorophenol
Concen: 40.992 ng
RT: 9.116 min Scan# 1195
Delta R.T. 0.006 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53



Tgt Ion:196 Resp: 175518
Ion Ratio Lower Upper
196 100
198 94.6 77.0 115.6
97 54.3 36.1 54.1#
132 30.2 21.8 32.6





#45
2-Fluorobiphenyl
Concen: 73.441 ng
RT: 9.151 min Scan# 1201
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Instrument :

BNA_F

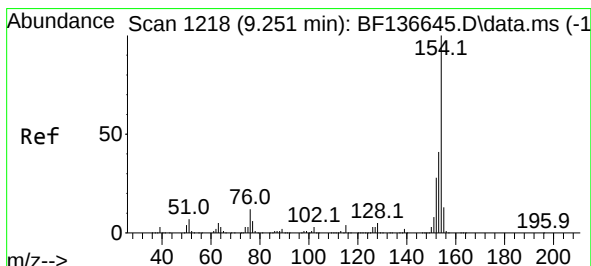
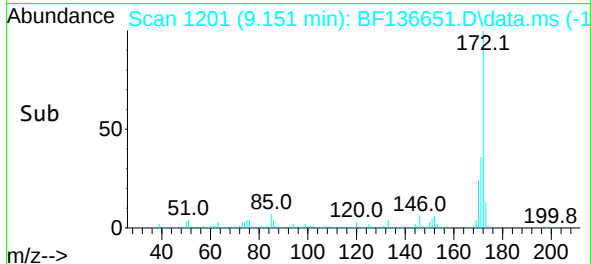
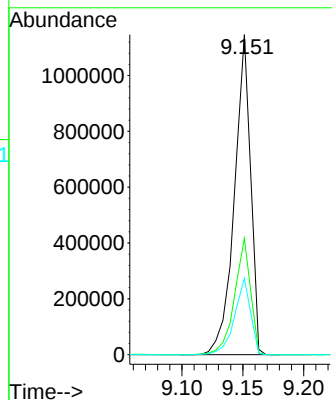
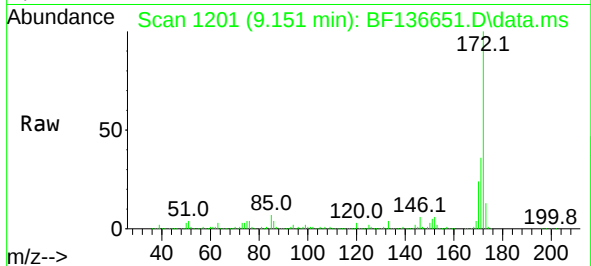
ClientSampleId :

PB157585BS

Tgt Ion:172 Resp: 105636
Ion Ratio Lower Upper
172 100
171 36.4 29.0 43.6
170 23.8 19.0 28.4

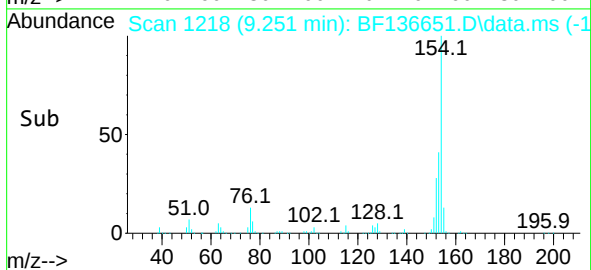
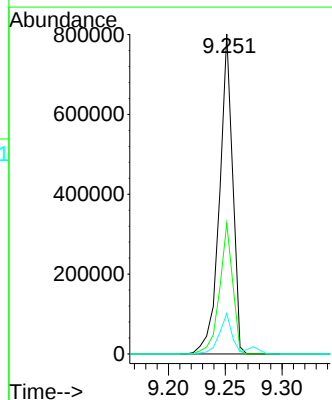
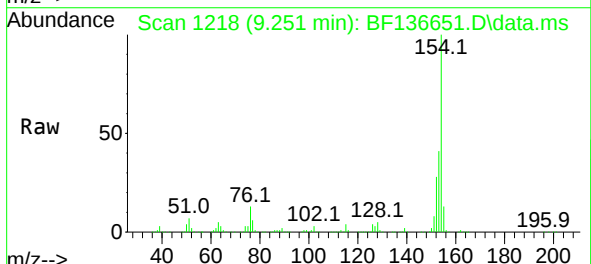
Manual Integrations
APPROVED

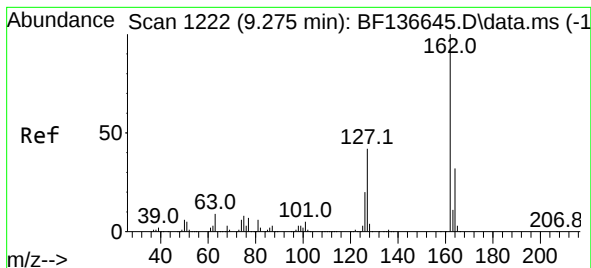
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#46
1,1'-Biphenyl
Concen: 39.791 ng
RT: 9.251 min Scan# 1218
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Tgt Ion:154 Resp: 645978
Ion Ratio Lower Upper
154 100
153 40.8 21.1 61.1
76 12.6 0.0 31.7





#47

2-Chloronaphthalene

Concen: 38.799 ng

RT: 9.275 min Scan# 1222

Delta R.T. 0.000 min

Lab File: BF136651.D

Acq: 20 Dec 2023 16:53

Instrument :

BNA_F

ClientSampleId :

PB157585BS

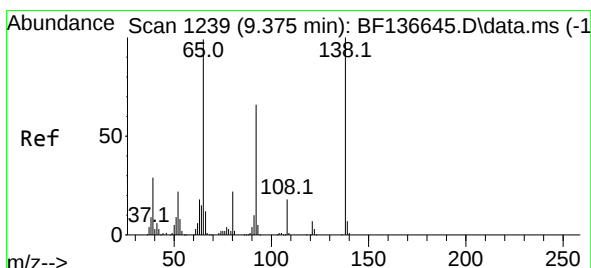
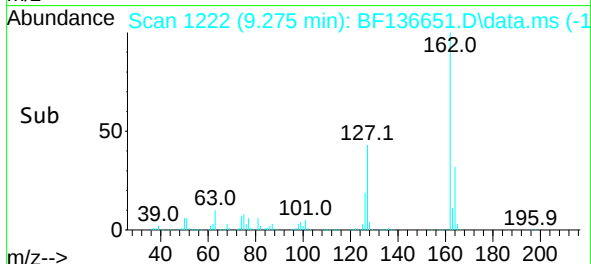
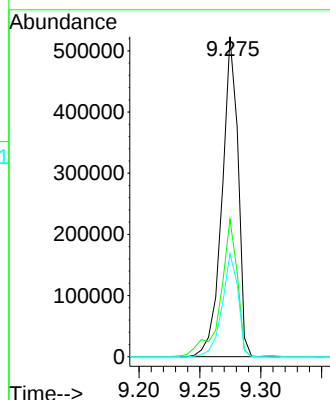
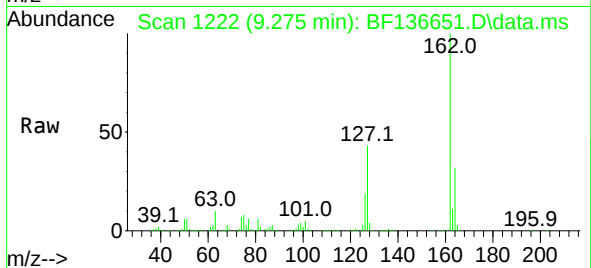
Tgt Ion:162 Resp: 47883
 Ion Ratio Lower Upper
 162 100
 127 43.0 33.6 50.4
 164 32.1 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#48

2-Nitroaniline

Concen: 41.798 ng

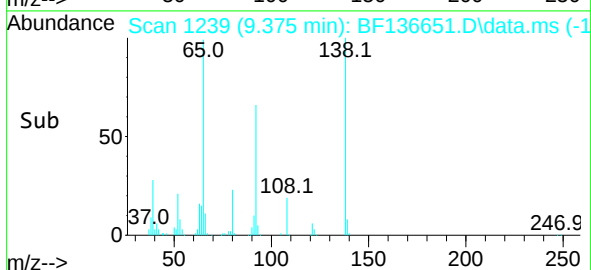
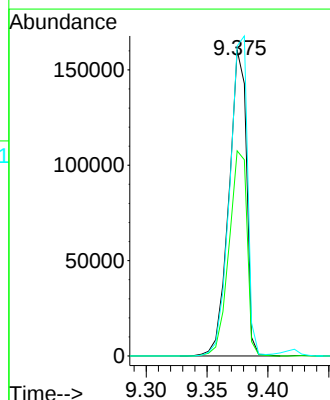
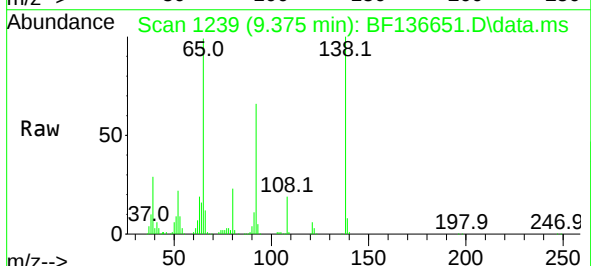
RT: 9.375 min Scan# 1239

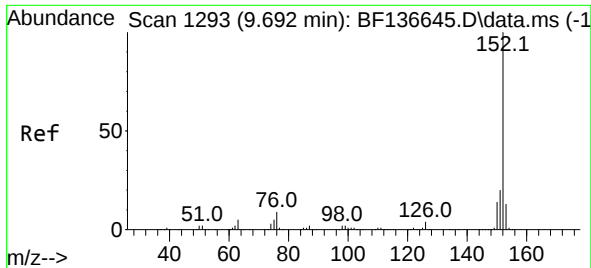
Delta R.T. 0.000 min

Lab File: BF136651.D

Acq: 20 Dec 2023 16:53

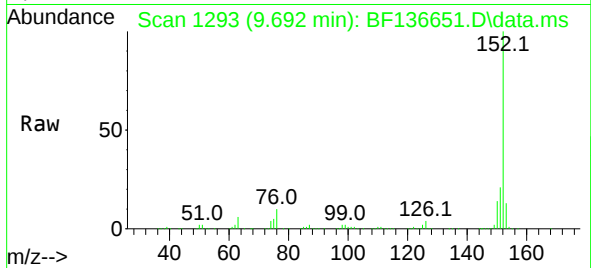
Tgt Ion: 65 Resp: 161537
 Ion Ratio Lower Upper
 65 100
 92 67.0 53.2 79.8
 138 101.3 81.1 121.7





#49
Acenaphthylene
Concen: 40.123 ng
RT: 9.692 min Scan# 1293
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

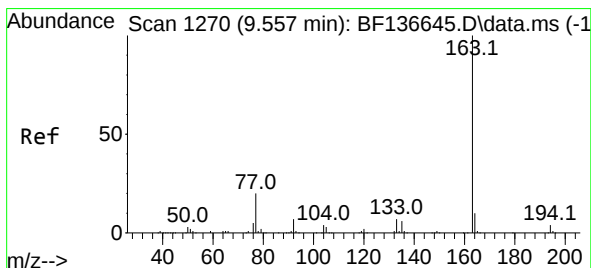
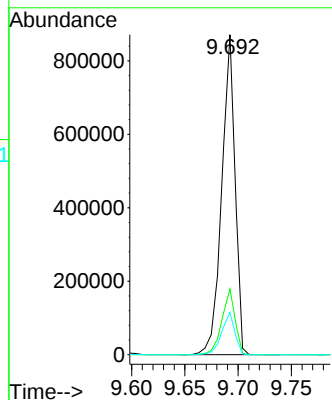
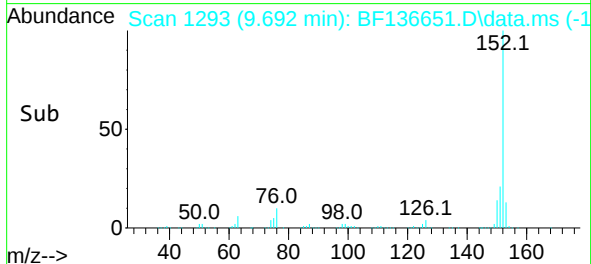
Instrument :
BNA_F
ClientSampleId :
PB157585BS



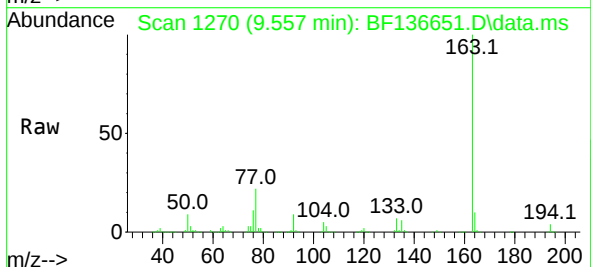
Tgt Ion:152 Resp: 756860
Ion Ratio Lower Upper
152 100
151 20.6 16.2 24.4
153 13.2 10.2 15.2

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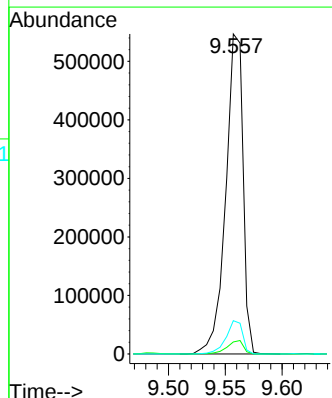
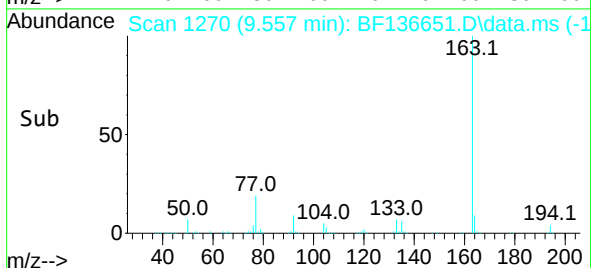
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

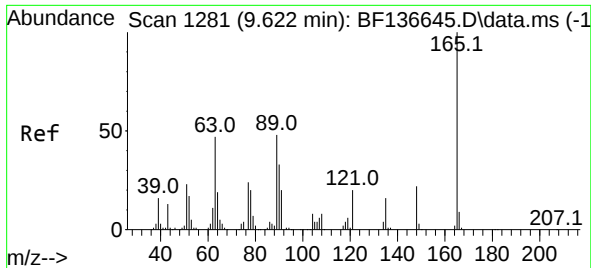


#50
Dimethylphthalate
Concen: 41.002 ng
RT: 9.557 min Scan# 1270
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53



Tgt Ion:163 Resp: 579389
Ion Ratio Lower Upper
163 100
194 3.7 3.3 4.9
164 10.4 7.8 11.6





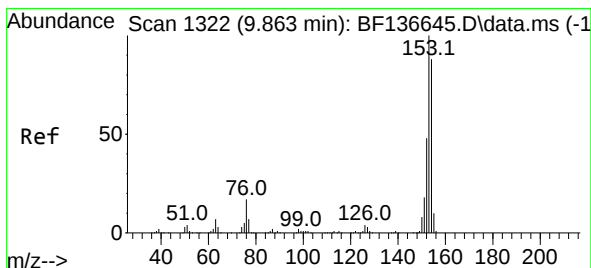
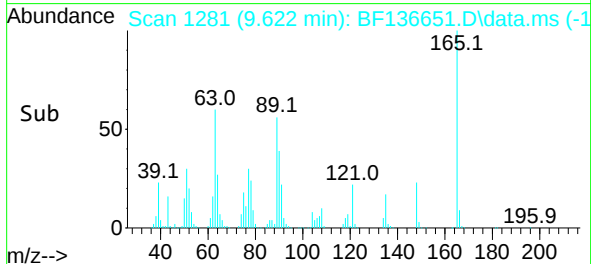
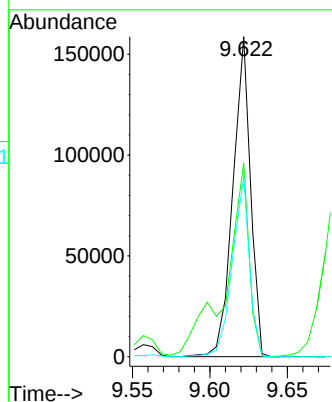
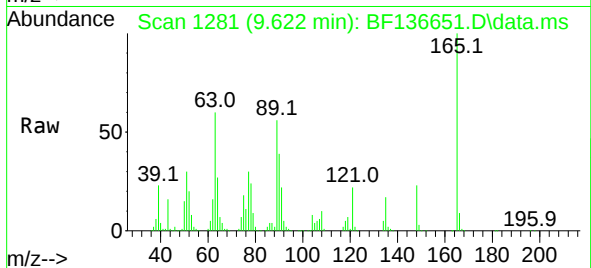
#51
2,6-Dinitrotoluene
Concen: 39.100 ng
RT: 9.622 min Scan# 1281
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Instrument :
BNA_F
ClientSampleId :
PB157585BS

Tgt Ion:165 Resp: 125394
Ion Ratio Lower Upper
165 100
63 60.5 39.8 59.6
89 56.2 38.8 58.2

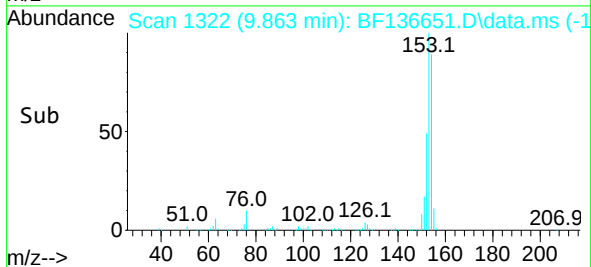
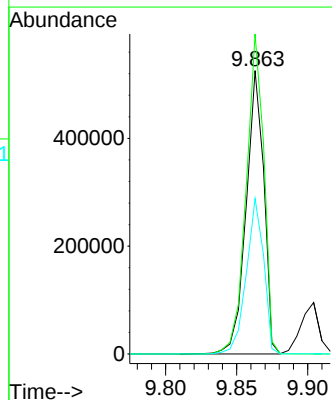
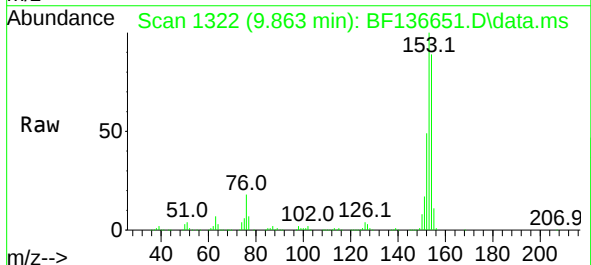
Manual Integrations
APPROVED

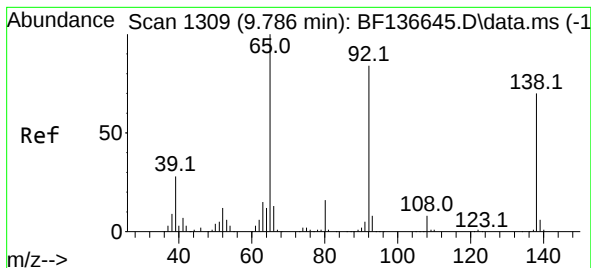
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#52
Acenaphthene
Concen: 39.023 ng
RT: 9.863 min Scan# 1322
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Tgt Ion:154 Resp: 456304
Ion Ratio Lower Upper
154 100
153 113.0 90.7 136.1
152 54.8 43.7 65.5





#53
3-Nitroaniline
Concen: 33.282 ng
RT: 9.792 min Scan# 11306
Delta R.T. 0.006 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Instrument :

BNA_F

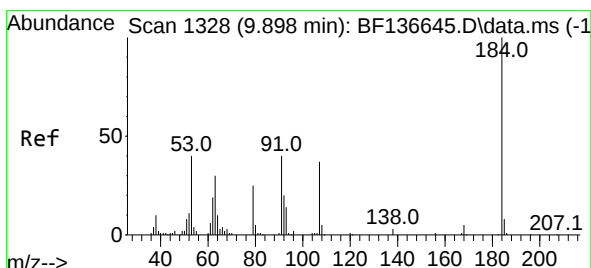
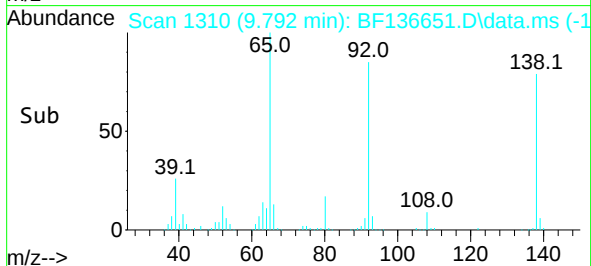
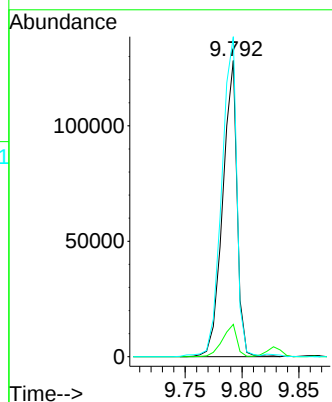
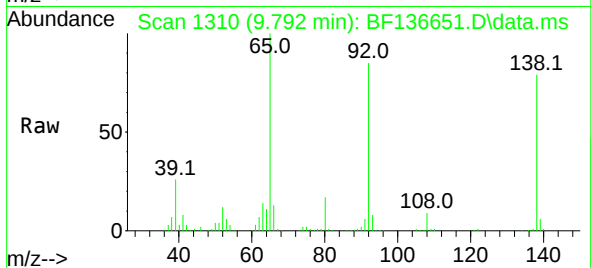
ClientSampleId :

PB157585BS

Tgt Ion:138 Resp: 11306
Ion Ratio Lower Upper
138 100
108 10.9 8.6 12.8
92 108.0 95.2 142.8

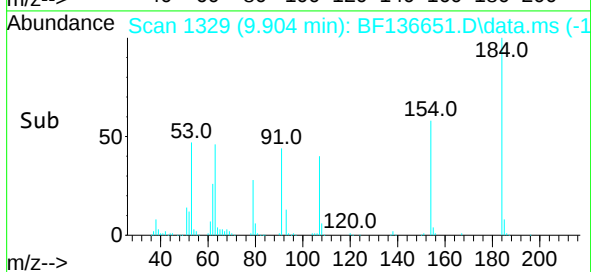
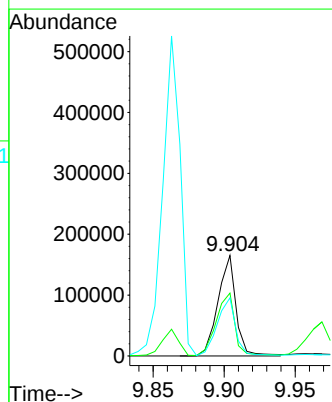
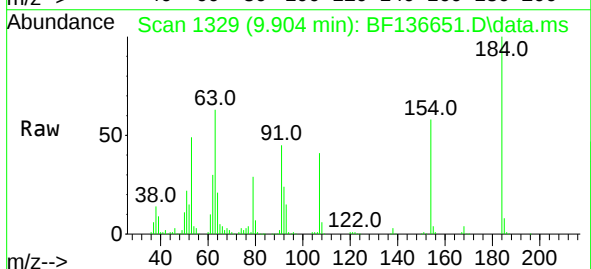
Manual Integrations
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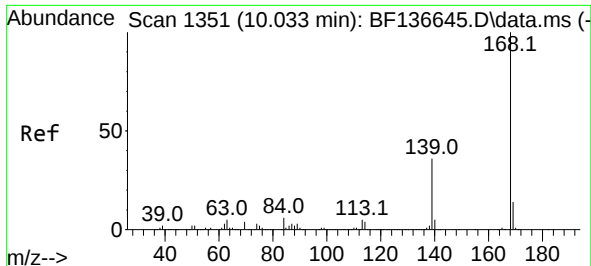
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#54
2,4-Dinitrophenol
Concen: 82.120 ng
RT: 9.904 min Scan# 1329
Delta R.T. 0.006 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Tgt Ion:184 Resp: 146144
Ion Ratio Lower Upper
184 100
63 62.6 40.9 61.3#
154 57.8 42.7 64.1





#55
Dibenzenofuran
Concen: 39.211 ng
RT: 10.039 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Instrument :

BNA_F

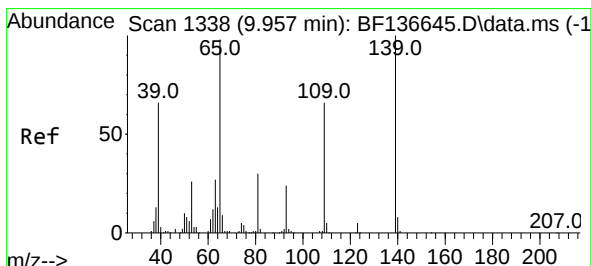
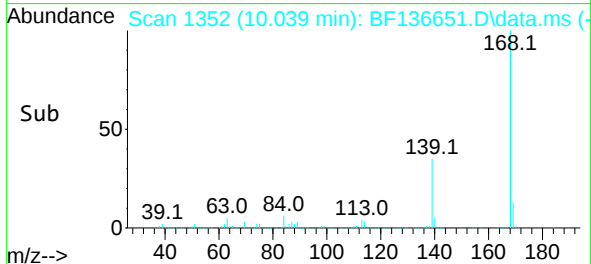
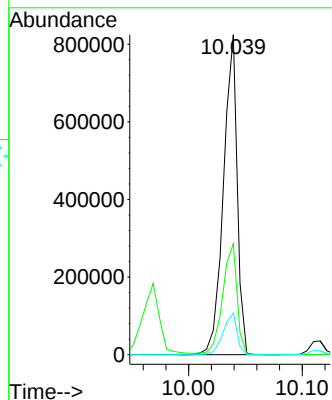
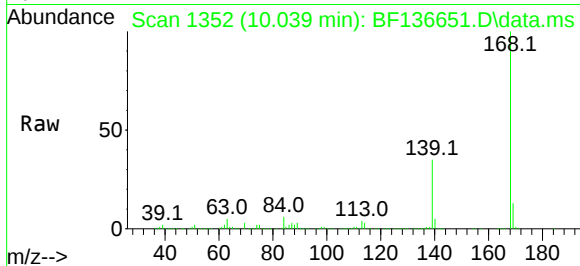
ClientSampleId :

PB157585BS

Tgt Ion:168 Resp: 69504
Ion Ratio Lower Upper
168 100
139 34.7 29.3 43.9
169 13.0 11.0 16.4

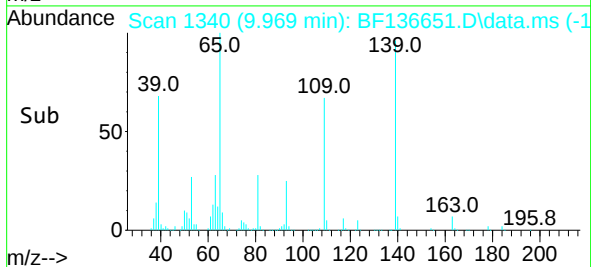
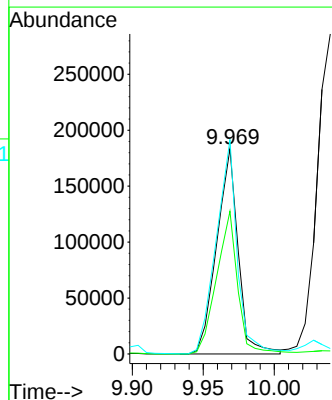
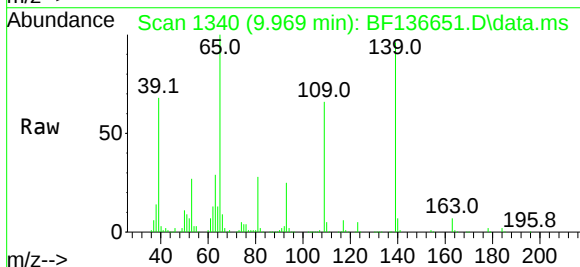
Manual Integrations
APPROVED

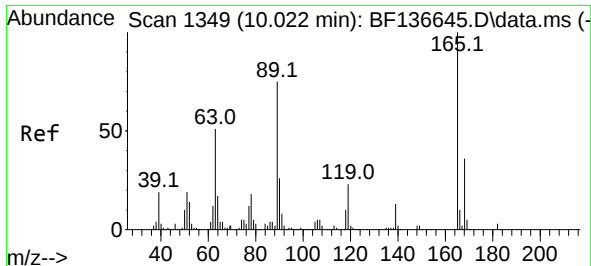
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#56
4-Nitrophenol
Concen: 84.086 ng
RT: 9.969 min Scan# 1340
Delta R.T. 0.012 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

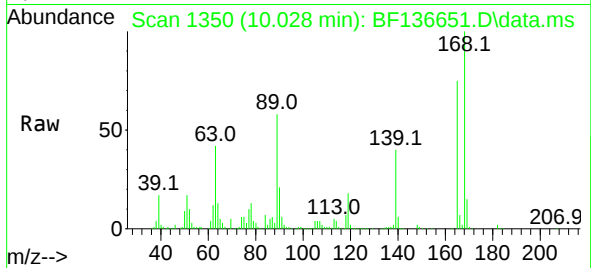
Tgt Ion:139 Resp: 192836
Ion Ratio Lower Upper
139 100
109 69.5 45.8 85.8
65 104.5 77.8 117.8





#57
2,4-Dinitrotoluene
Concen: 39.196 ng
RT: 10.028 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

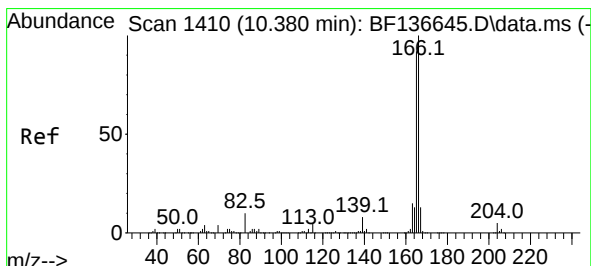
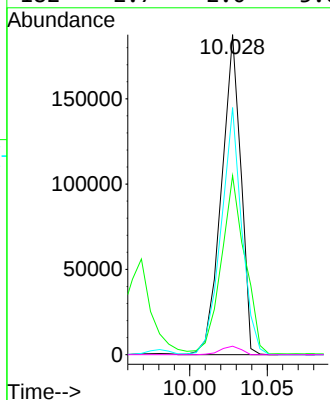
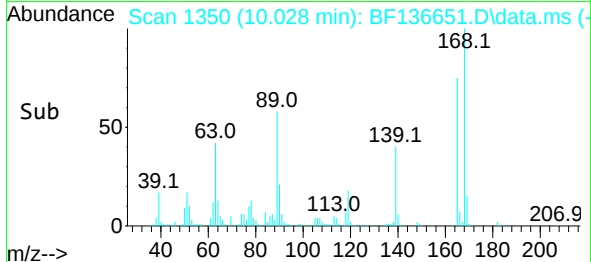
Instrument :
BNA_F
ClientSampleId :
PB157585BS



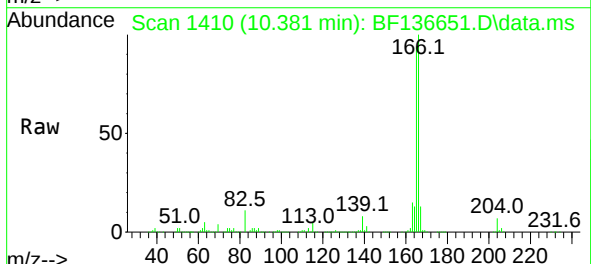
Tgt Ion:165 Resp: 16318
Ion Ratio Lower Upper
165 100
63 55.9 41.0 61.6
89 77.2 59.9 89.9
182 2.7 2.0 3.0

Manual Integrations
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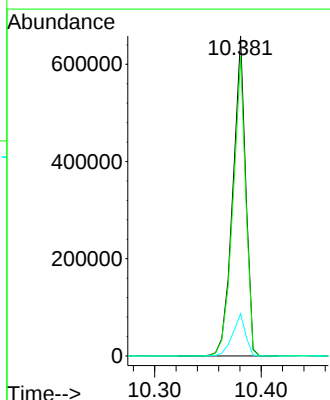
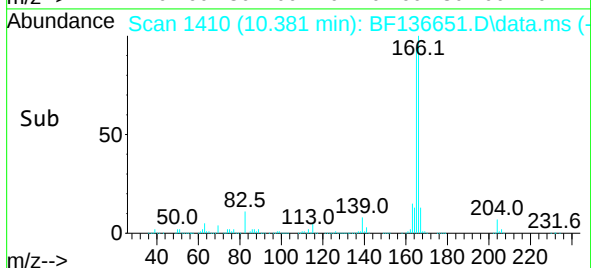
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#58
Fluorene
Concen: 39.356 ng
RT: 10.381 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53



Tgt Ion:166 Resp: 553527
Ion Ratio Lower Upper
166 100
165 93.7 73.7 110.5
167 13.2 10.4 15.6





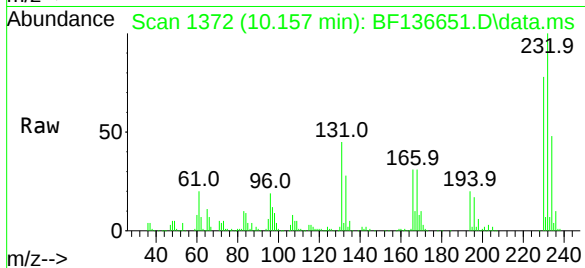
#59
2,3,4,6-Tetrachlorophenol
Concen: 43.518 ng
RT: 10.157 min Scan# 1372
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Instrument :

BNA_F

ClientSampleId :

PB157585BS

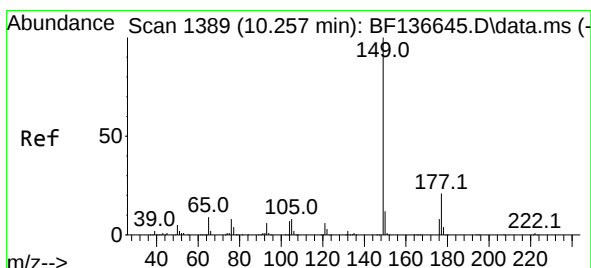
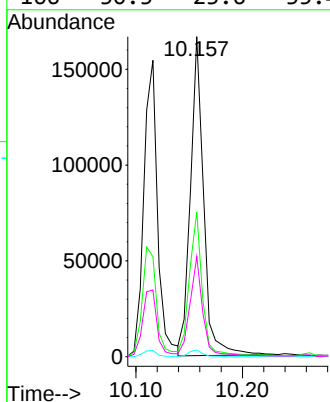
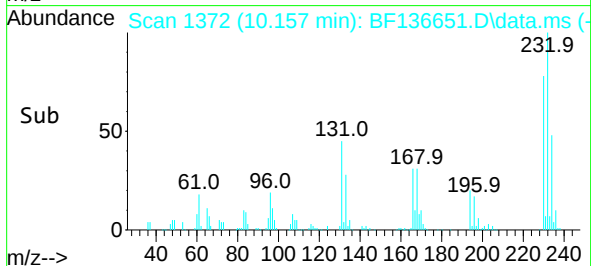


Tgt Ion:232 Resp: 143436
Ion Ratio Lower Upper
232 100
131 43.8 35.1 52.7
130 2.3 1.6 2.4
166 30.3 23.6 35.4

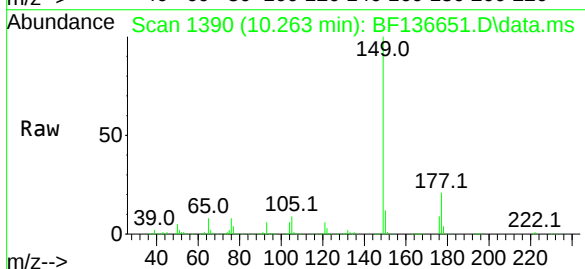
Manual Integrations

APPROVED

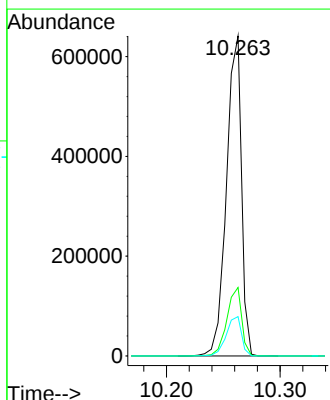
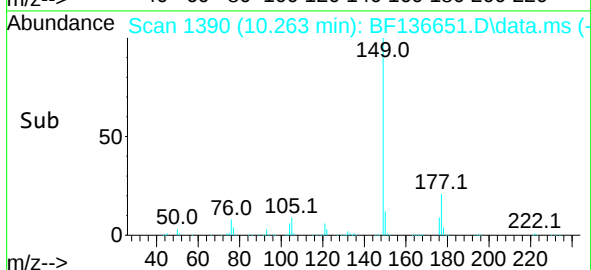
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

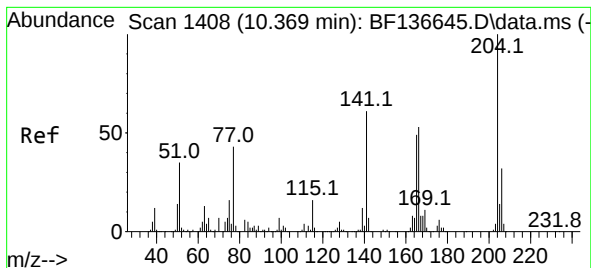


#60
Diethylphthalate
Concen: 40.198 ng
RT: 10.263 min Scan# 1390
Delta R.T. 0.006 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53



Tgt Ion:149 Resp: 589365
Ion Ratio Lower Upper
149 100
177 21.4 16.9 25.3
150 12.3 9.3 13.9





#61
4-Chlorophenyl-phenylether
Concen: 38.300 ng
RT: 10.375 min Scan# 1408
Delta R.T. 0.006 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Instrument :

BNA_F

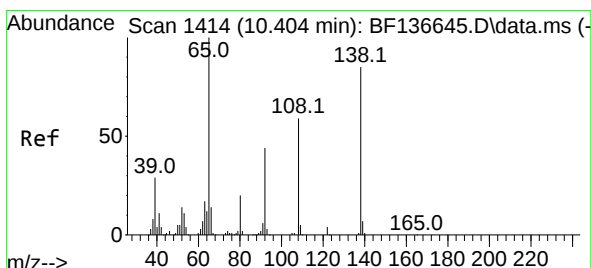
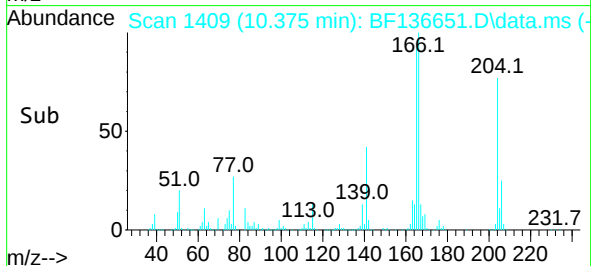
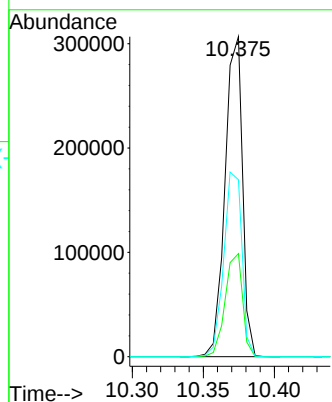
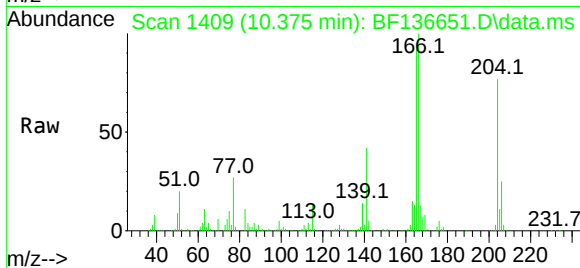
ClientSampleId :

PB157585BS

Tgt Ion:204 Resp: 26183
Ion Ratio Lower Upper
204 100
206 32.2 25.6 38.4
141 55.3 48.4 72.6

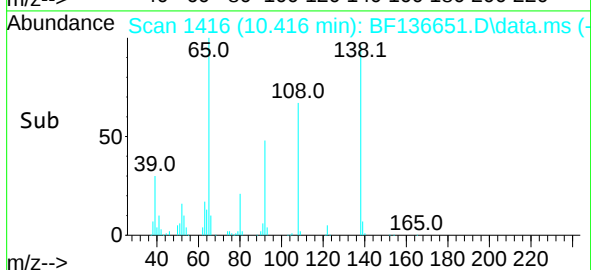
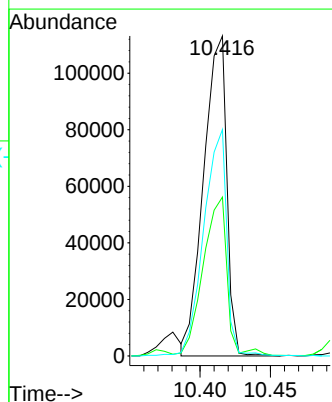
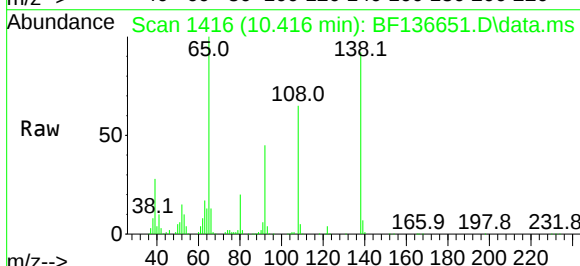
Manual Integrations
APPROVED

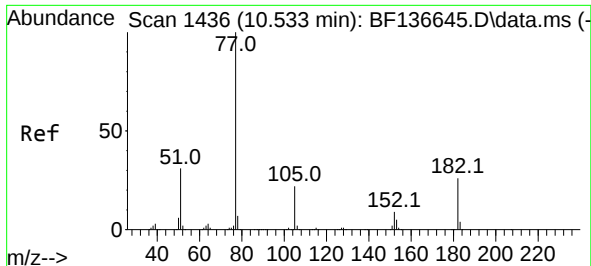
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#62
4-Nitroaniline
Concen: 39.441 ng m
RT: 10.416 min Scan# 1416
Delta R.T. 0.012 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Tgt Ion:138 Resp: 129169
Ion Ratio Lower Upper
138 100
92 49.7 32.1 72.1
108 70.8 50.1 90.1





#63
Azobenzene
Concen: 39.810 ng
RT: 10.534 min Scan# 1436
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Instrument :

BNA_F

ClientSampleId :

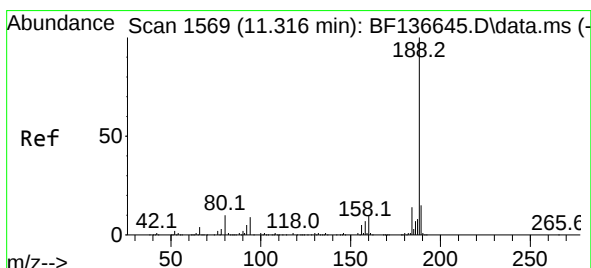
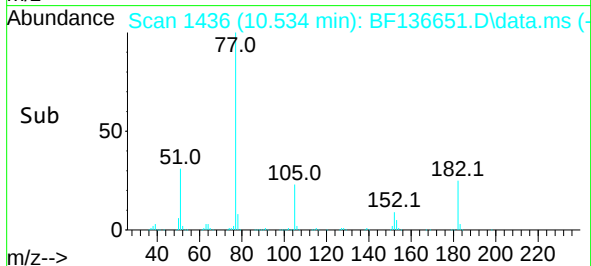
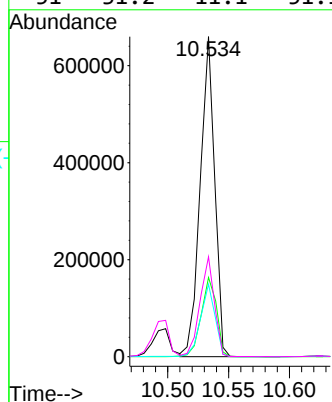
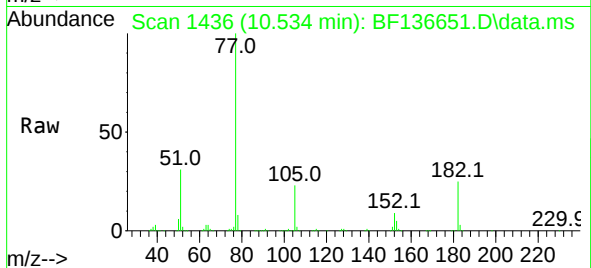
PB157585BS

Tgt Ion: 77 Resp: 545154
Ion Ratio Lower Upper
77 100
182 24.7 6.0 46.0
105 22.6 2.3 42.3
51 31.2 11.1 51.1

Manual Integrations

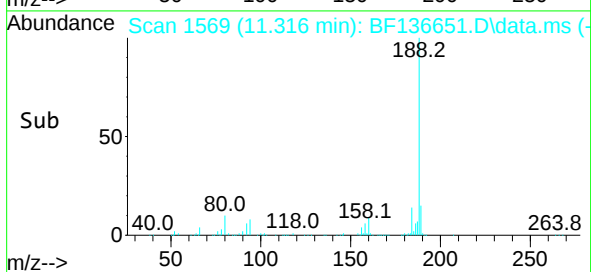
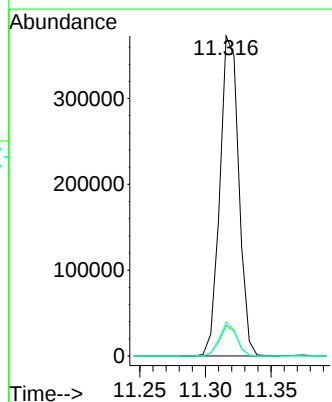
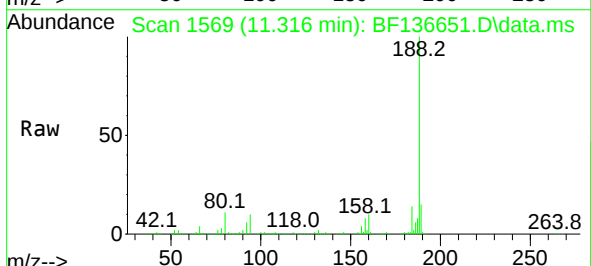
APPROVED

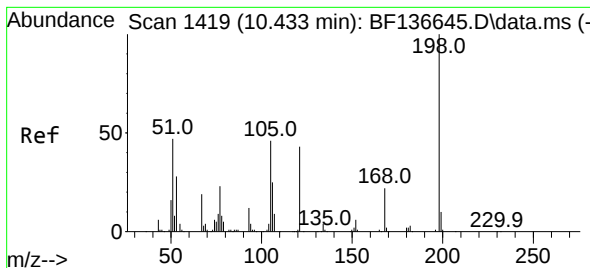
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1569
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Tgt Ion:188 Resp: 372219
Ion Ratio Lower Upper
188 100
94 9.5 7.5 11.3
80 10.6 8.1 12.1





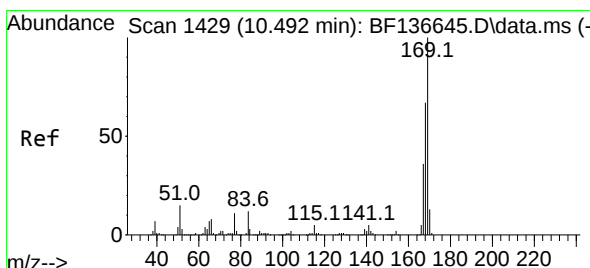
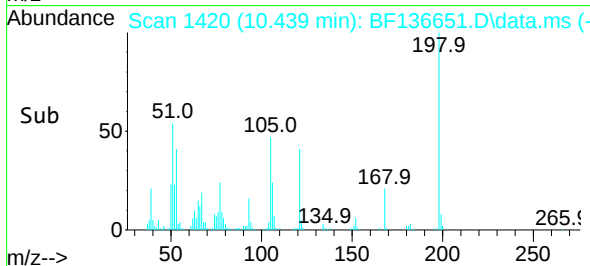
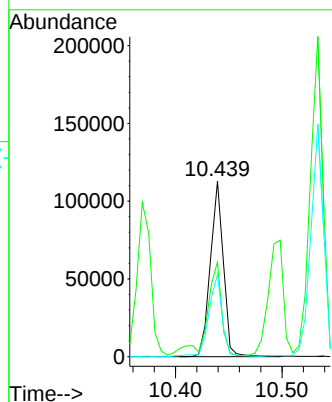
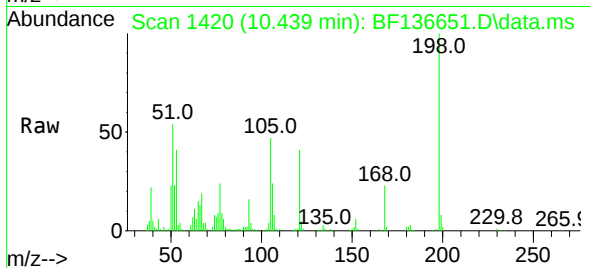
#65
4,6-Dinitro-2-methylphenol
Concen: 45.166 ng
RT: 10.439 min Scan# 1419
Delta R.T. 0.006 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Instrument :
BNA_F
ClientSampleId :
PB157585BS

Tgt Ion:198 Resp: 96348
Ion Ratio Lower Upper
198 100
51 53.9 34.1 74.1
105 46.8 27.3 67.3

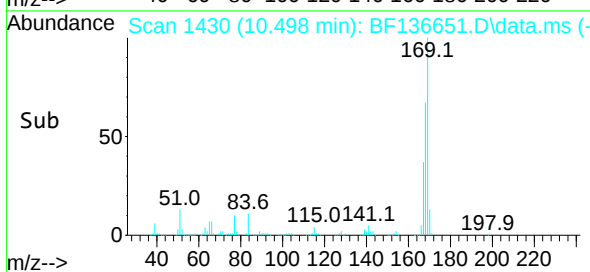
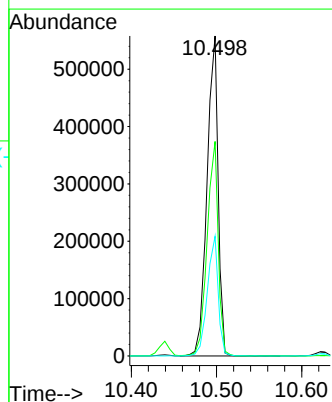
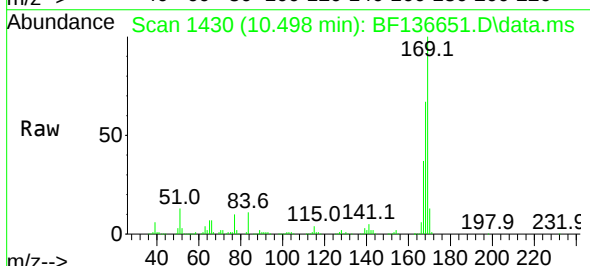
Manual Integrations
APPROVED

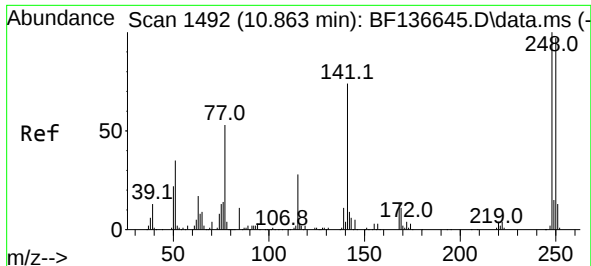
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#66
n-Nitrosodiphenylamine
Concen: 41.709 ng
RT: 10.498 min Scan# 1430
Delta R.T. 0.006 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Tgt Ion:169 Resp: 504318
Ion Ratio Lower Upper
169 100
168 67.1 53.8 80.6
167 37.4 28.7 43.1





#67
4-Bromophenyl-phenylether
Concen: 39.405 ng
RT: 10.863 min Scan# 1492
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Instrument :

BNA_F

ClientSampleId :

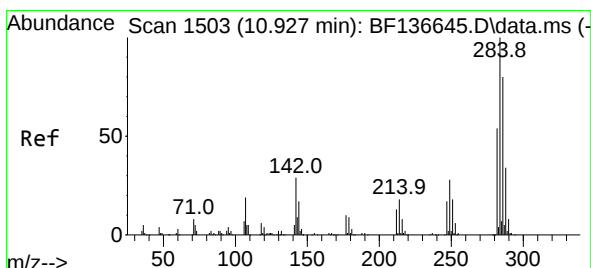
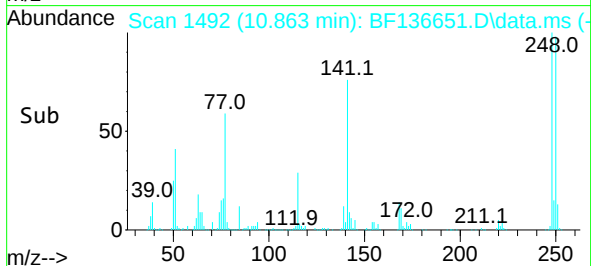
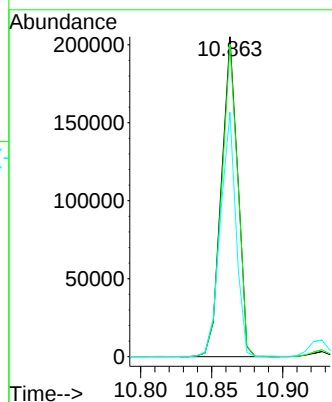
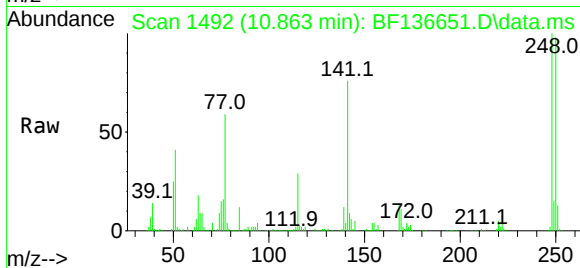
PB157585BS

Tgt Ion:248 Resp: 162892
Ion Ratio Lower Upper
248 100
250 97.7 77.8 116.6
141 76.4 59.2 88.8

Manual Integrations

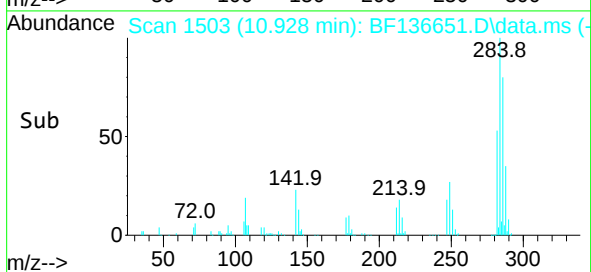
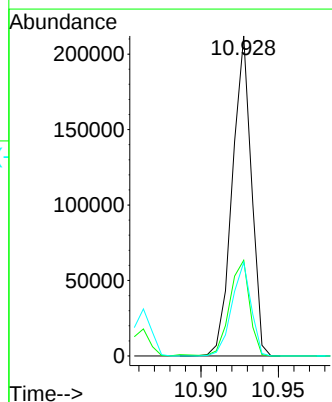
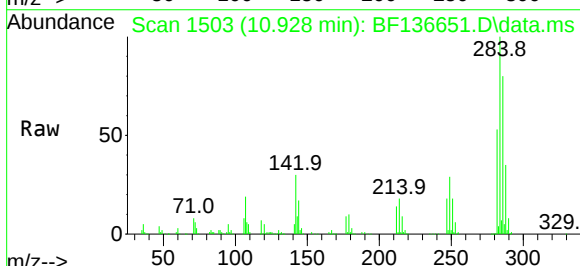
APPROVED

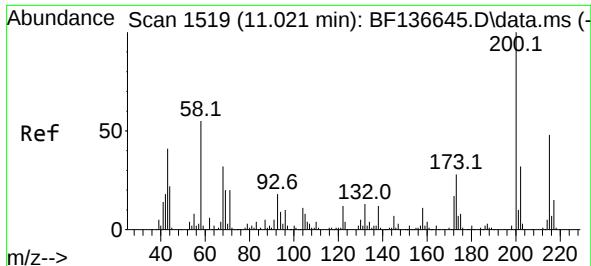
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#68
Hexachlorobenzene
Concen: 39.305 ng
RT: 10.928 min Scan# 1503
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

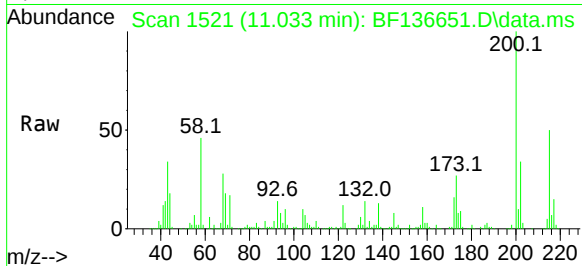
Tgt Ion:284 Resp: 181067
Ion Ratio Lower Upper
284 100
142 29.9 23.4 35.0
249 29.2 22.3 33.5





#69
 Atrazine
 Concen: 63.161 ng
 RT: 11.033 min Scan# 11033
 Delta R.T. 0.012 min
 Lab File: BF136651.D
 Acq: 20 Dec 2023 16:53

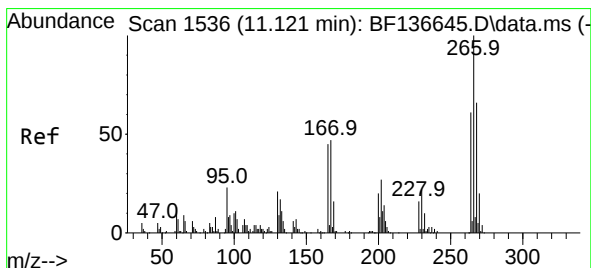
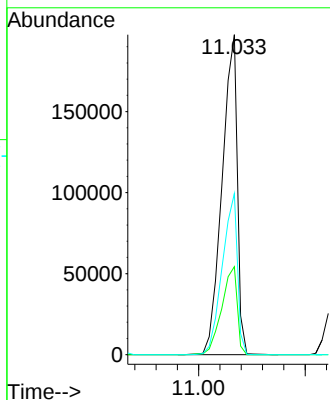
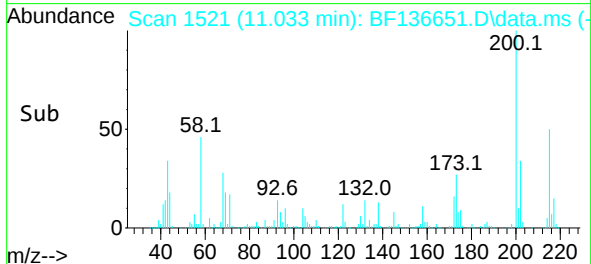
Instrument :
 BNA_F
 ClientSampleId :
 PB157585BS



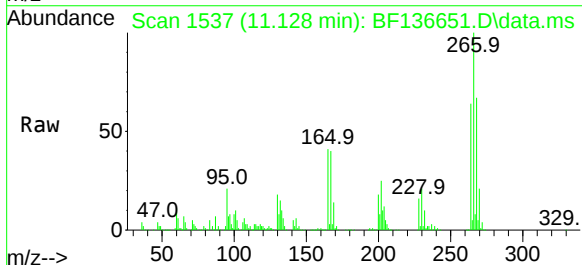
Tgt Ion:200 Resp: 19533
 Ion Ratio Lower Upper
 200 100
 173 27.5 7.6 47.6
 215 50.4 28.3 68.3

Manual Integrations
 APPROVED

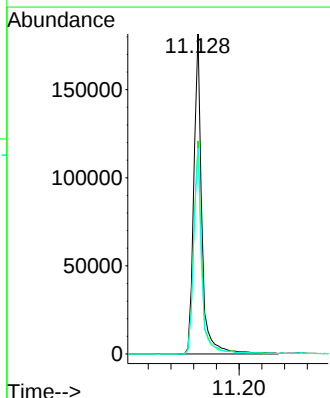
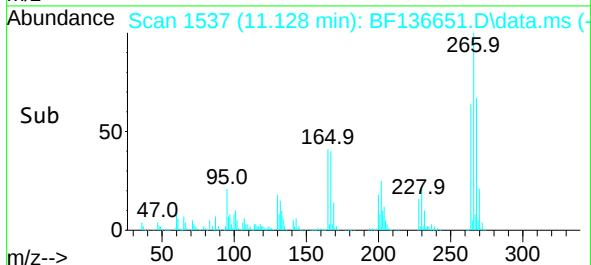
Reviewed By :Yogesh Patel 12/21/2023
 Supervised By :mohammad ahmed 12/21/2023

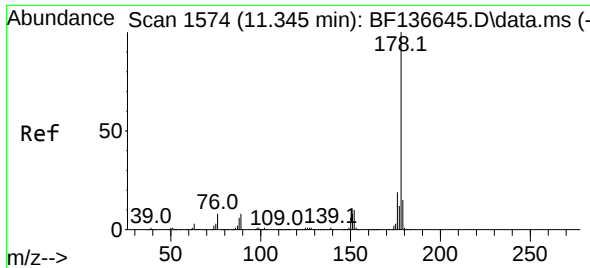


#70
 Pentachlorophenol
 Concen: 83.398 ng
 RT: 11.128 min Scan# 1537
 Delta R.T. 0.006 min
 Lab File: BF136651.D
 Acq: 20 Dec 2023 16:53



Tgt Ion:266 Resp: 179075
 Ion Ratio Lower Upper
 266 100
 268 66.6 52.6 78.8
 264 64.4 49.0 73.4





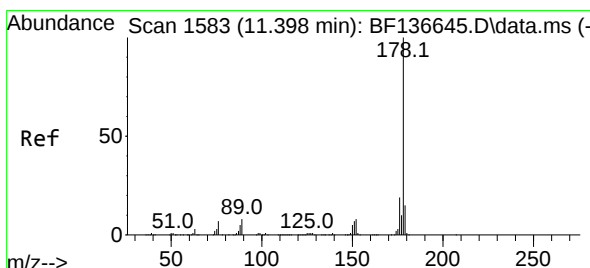
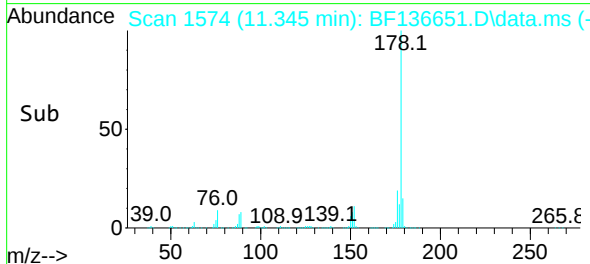
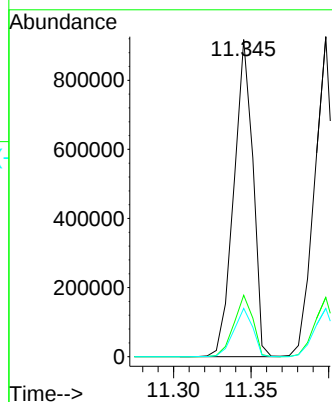
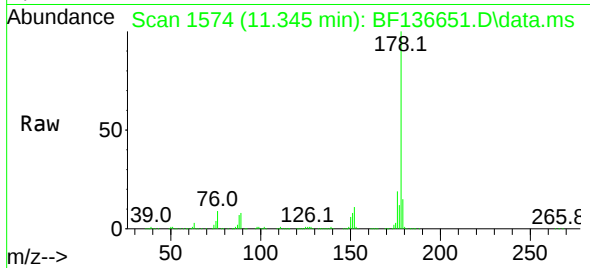
#71
Phenanthrene
Concen: 41.054 ng
RT: 11.345 min Scan# 1574
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Instrument :
BNA_F
ClientSampleId :
PB157585BS

Tgt Ion:178 Resp: 784080
Ion Ratio Lower Upper
178 100
176 19.4 15.3 22.9
179 15.2 11.9 17.9

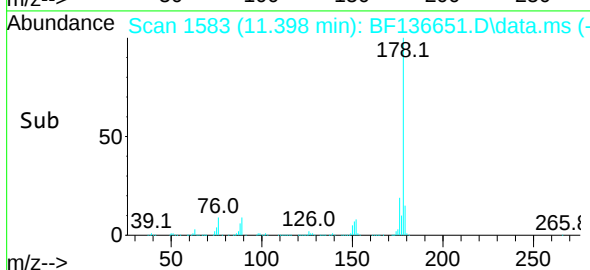
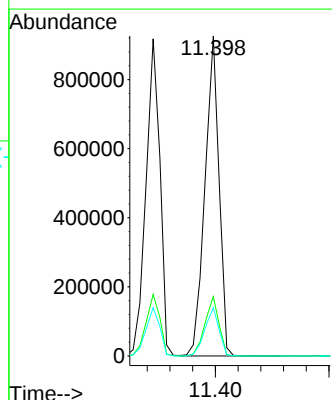
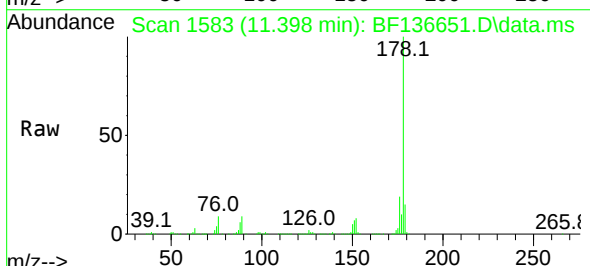
Manual Integrations
APPROVED

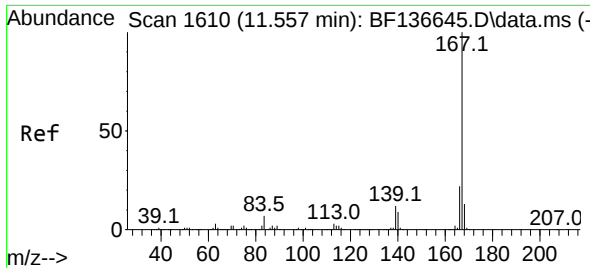
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#72
Anthracene
Concen: 41.072 ng
RT: 11.398 min Scan# 1583
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

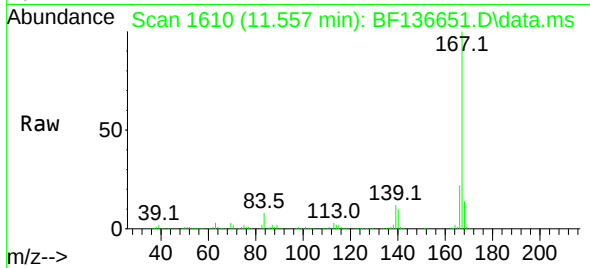
Tgt Ion:178 Resp: 794414
Ion Ratio Lower Upper
178 100
176 18.6 14.9 22.3
179 15.1 11.8 17.6





#73
 Carbazole
 Concen: 39.772 ng
 RT: 11.557 min Scan# 1610
 Delta R.T. 0.000 min
 Lab File: BF136651.D
 Acq: 20 Dec 2023 16:53

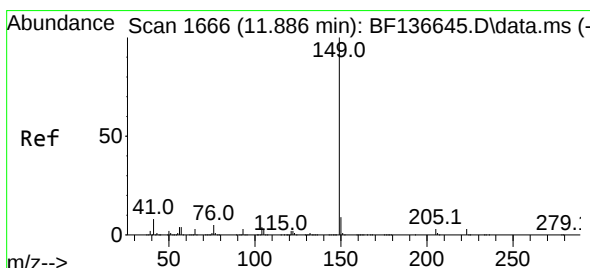
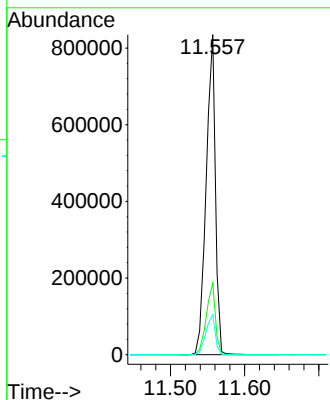
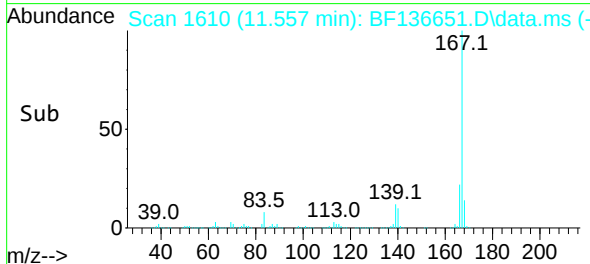
Instrument :
 BNA_F
 ClientSampleId :
 PB157585BS



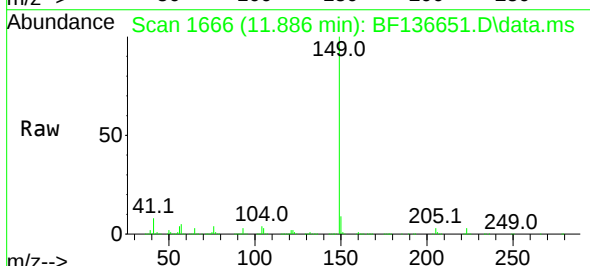
Tgt Ion:167 Resp: 725274
 Ion Ratio Lower Upper
 167 100
 166 22.3 17.3 25.9
 139 12.4 9.8 14.6

Manual Integrations
 APPROVED

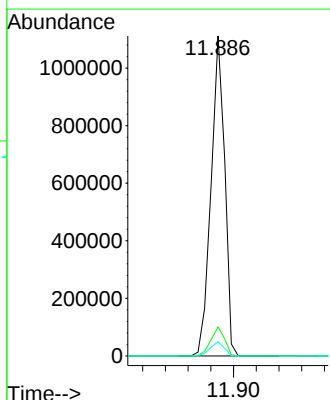
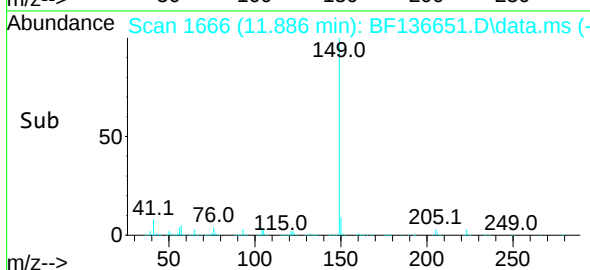
Reviewed By :Yogesh Patel 12/21/2023
 Supervised By :mohammad ahmed 12/21/2023



#74
 Di-n-butylphthalate
 Concen: 41.618 ng
 RT: 11.886 min Scan# 1666
 Delta R.T. 0.000 min
 Lab File: BF136651.D
 Acq: 20 Dec 2023 16:53



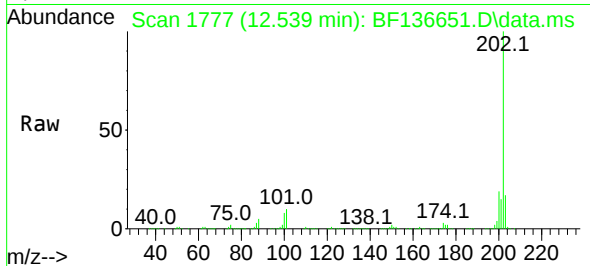
Tgt Ion:149 Resp: 926103
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.2
 104 4.4 3.6 5.4





#75
Fluoranthene
Concen: 39.644 ng
RT: 12.539 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

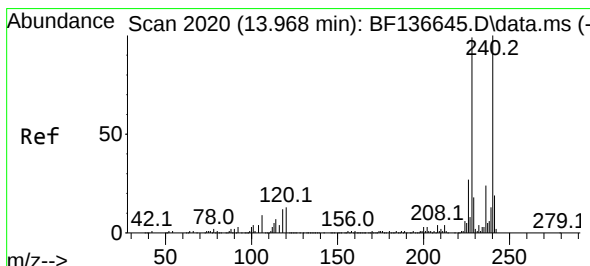
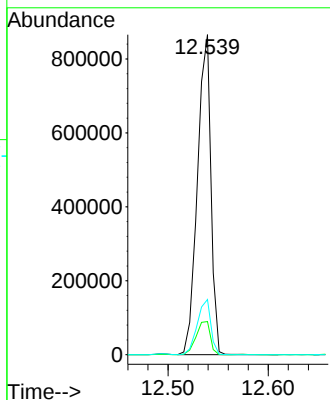
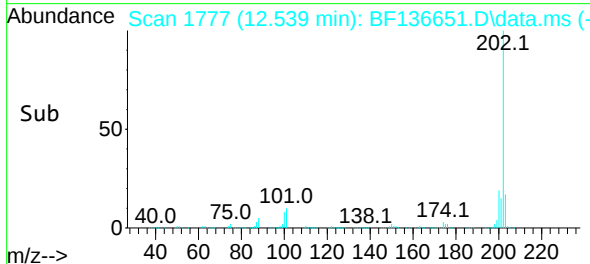
Instrument :
BNA_F
ClientSampleId :
PB157585BS



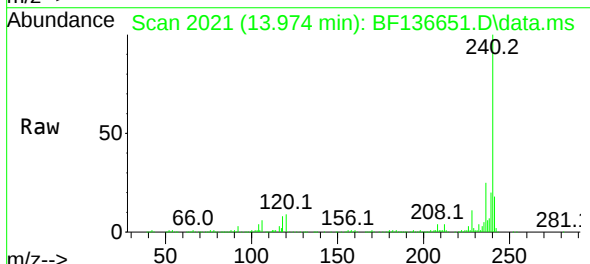
Tgt Ion:202 Resp: 809892
Ion Ratio Lower Upper
202 100
101 10.3 0.0 29.3
203 17.3 0.0 37.1

Manual Integrations
APPROVED

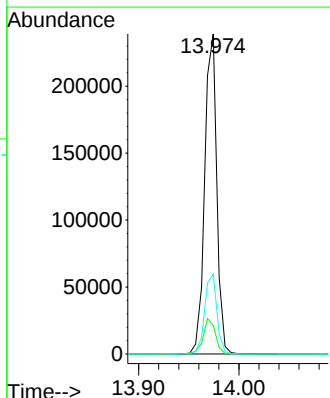
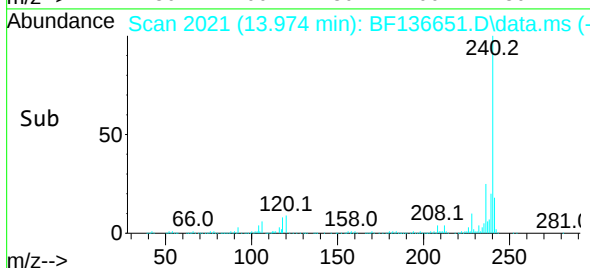
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

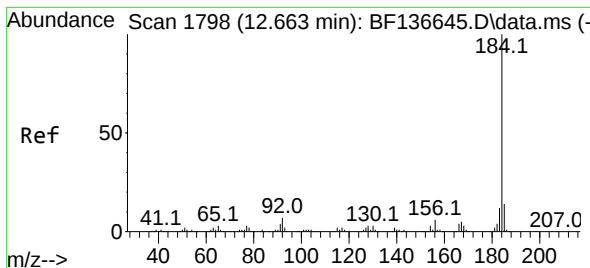


#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.974 min Scan# 2021
Delta R.T. 0.006 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53



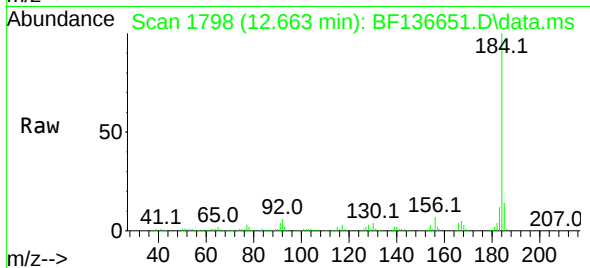
Tgt Ion:240 Resp: 200994
Ion Ratio Lower Upper
240 100
120 8.9 10.3 15.5#
236 25.0 19.4 29.2





#77
Benzidine
Concen: 31.470 ng
RT: 12.663 min Scan# 1798
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

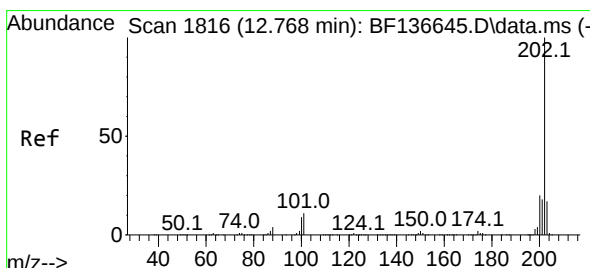
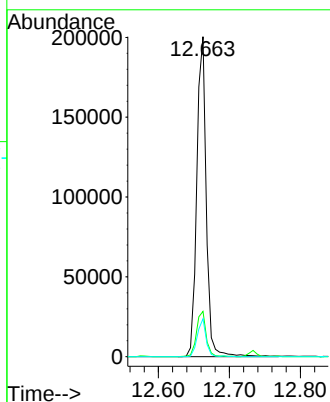
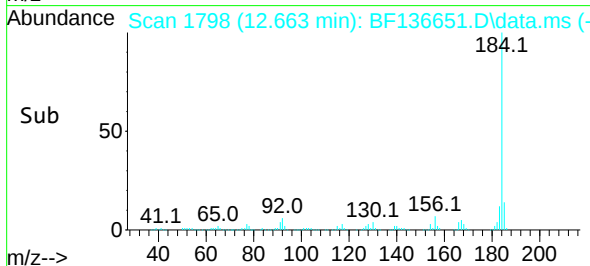
Instrument :
BNA_F
ClientSampleId :
PB157585BS



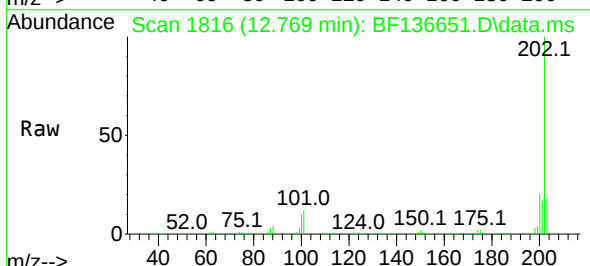
Tgt Ion:184 Resp: 186500
Ion Ratio Lower Upper
184 100
185 14.2 11.2 16.8
183 11.8 9.3 13.9

Manual Integrations
APPROVED

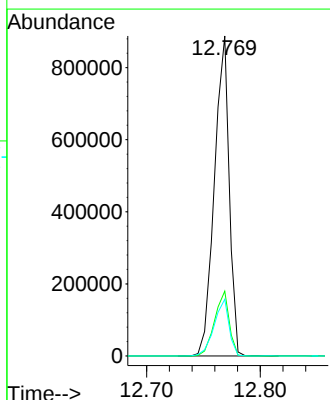
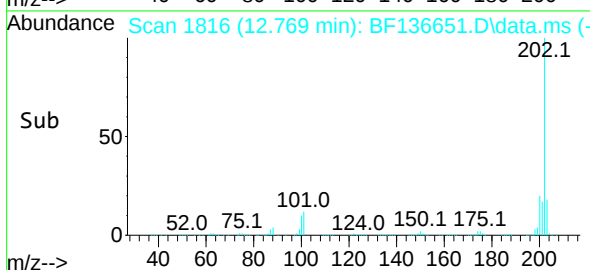
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#78
Pyrene
Concen: 40.736 ng
RT: 12.769 min Scan# 1816
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53



Tgt Ion:202 Resp: 803754
Ion Ratio Lower Upper
202 100
200 20.2 15.9 23.9
203 17.7 13.8 20.6





#79

Terphenyl-d14

Concen: 77.696 ng

RT: 12.916 min Scan# 1841

Delta R.T. 0.000 min

Lab File: BF136651.D

Acq: 20 Dec 2023 16:53

Instrument :

BNA_F

ClientSampleId :

PB157585BS

Tgt Ion:244 Resp: 111748

Ion Ratio Lower Upper

244 100

212 6.3 5.0 7.4

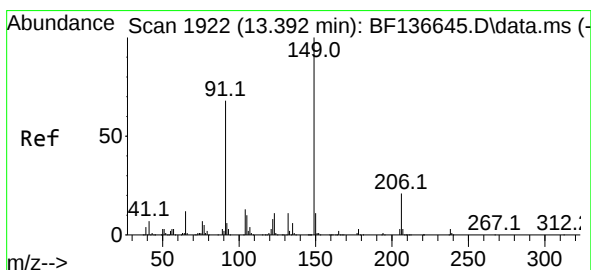
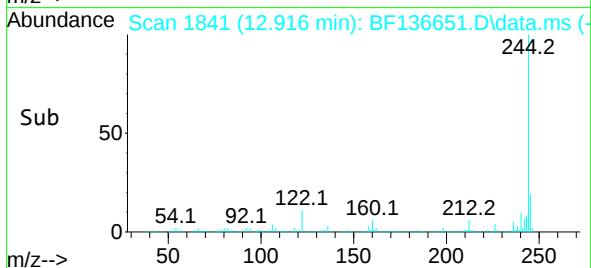
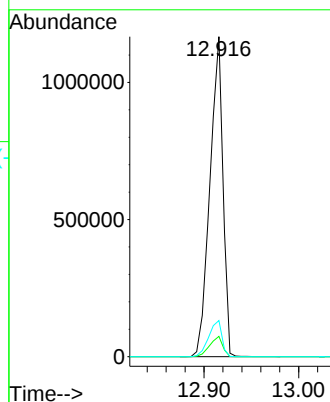
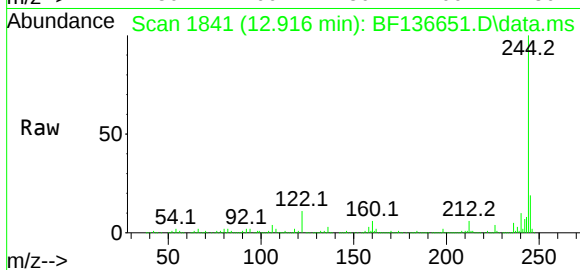
122 11.3 9.0 13.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#80

Butylbenzylphthalate

Concen: 44.170 ng

RT: 13.392 min Scan# 1922

Delta R.T. 0.000 min

Lab File: BF136651.D

Acq: 20 Dec 2023 16:53

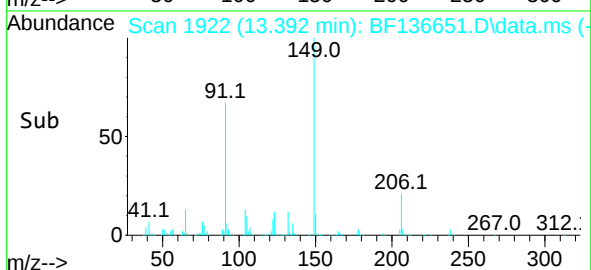
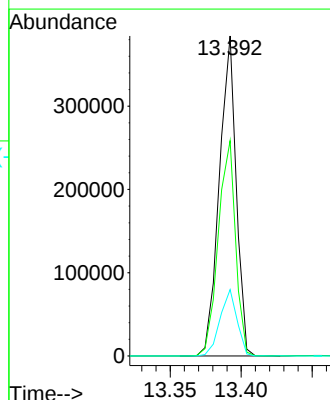
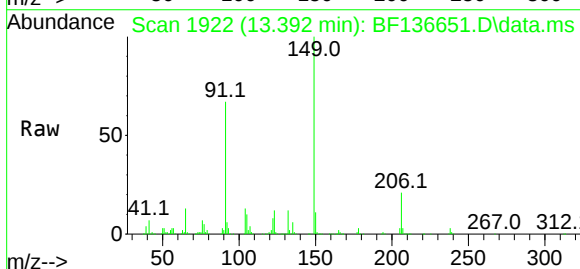
Tgt Ion:149 Resp: 317122

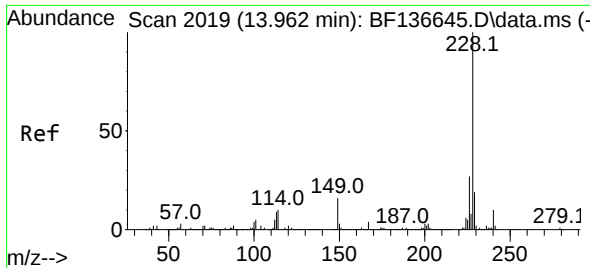
Ion Ratio Lower Upper

149 100

91 67.3 54.1 81.1

206 20.8 17.1 25.7





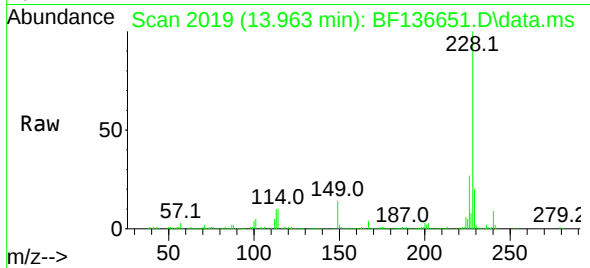
#81
Benzo(a)anthracene
Concen: 40.298 ng
RT: 13.963 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Instrument :

BNA_F

ClientSampleId :

PB157585BS

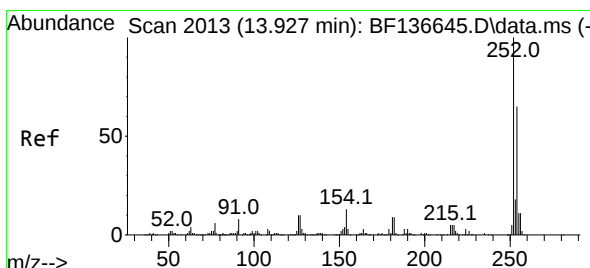
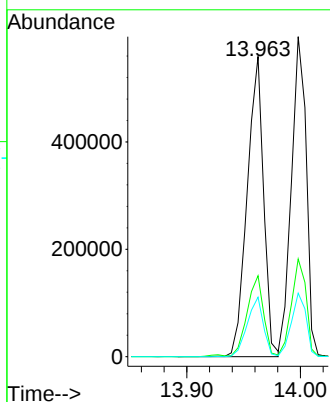
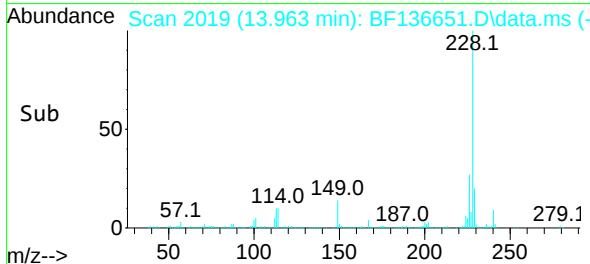


Tgt Ion:228 Resp: 562430
Ion Ratio Lower Upper
228 100
226 27.0 21.4 32.0
229 19.8 14.9 22.3

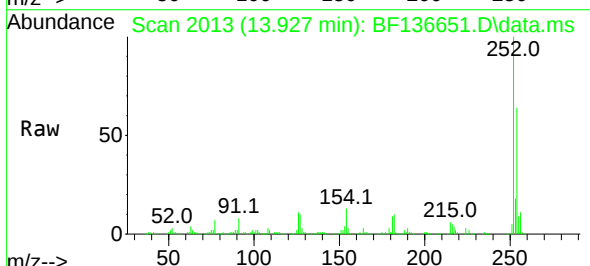
Manual Integrations

APPROVED

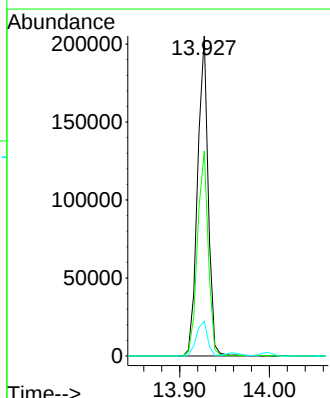
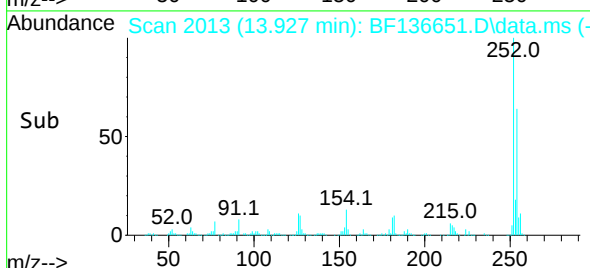
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

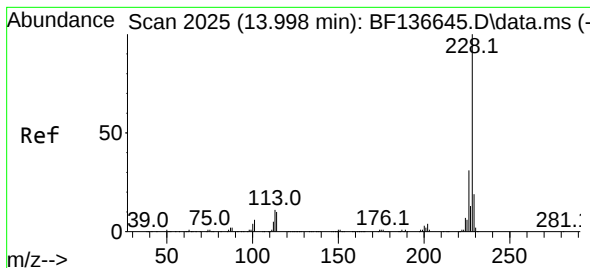


#82
3,3'-Dichlorobenzidine
Concen: 42.485 ng
RT: 13.927 min Scan# 2013
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53



Tgt Ion:252 Resp: 168393
Ion Ratio Lower Upper
252 100
254 64.0 52.2 78.4
126 10.8 8.0 12.0





#83

Chrysene

Concen: 39.723 ng

RT: 13.998 min Scan# 20

Delta R.T. 0.000 min

Lab File: BF136651.D

Acq: 20 Dec 2023 16:53

Instrument :

BNA_F

ClientSampleId :

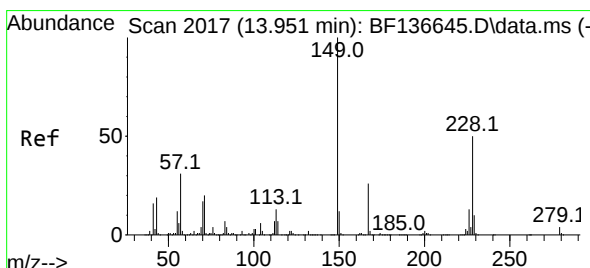
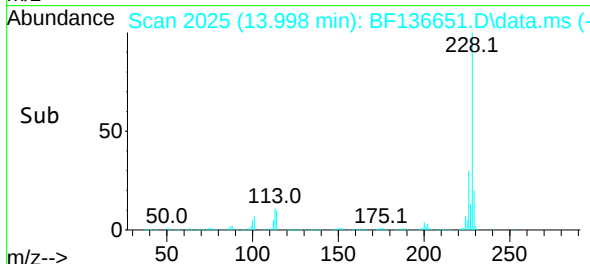
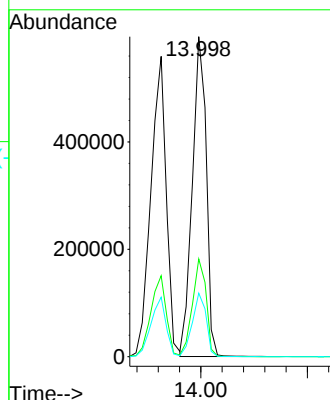
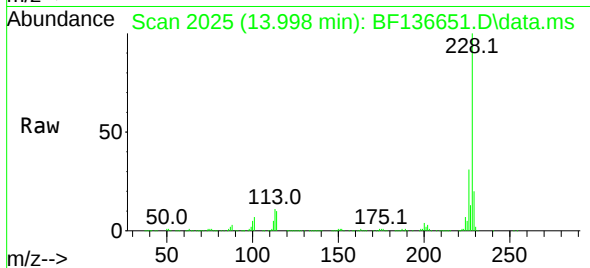
PB157585BS

Tgt Ion:	228	Resp:	542154
Ion Ratio	Lower	Upper	
228	100		
226	30.5	24.7	37.1
229	19.9	15.4	23.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#84

Bis(2-ethylhexyl)phthalate

Concen: 44.304 ng

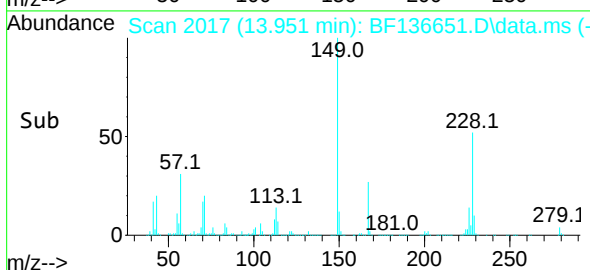
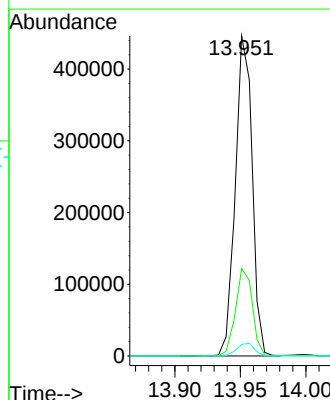
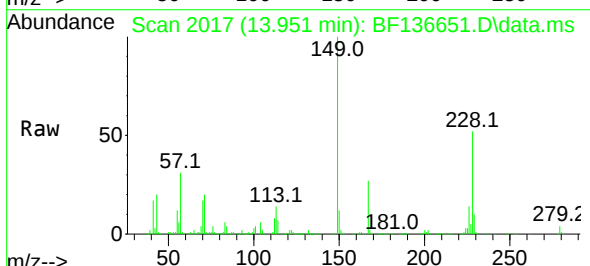
RT: 13.951 min Scan# 2017

Delta R.T. 0.000 min

Lab File: BF136651.D

Acq: 20 Dec 2023 16:53

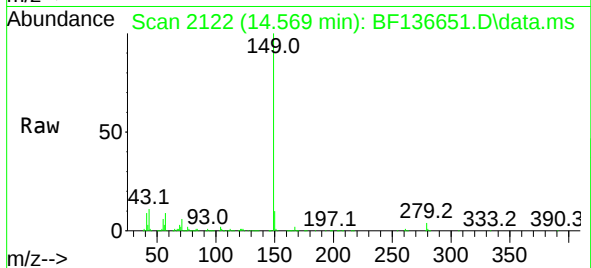
Tgt Ion:	149	Resp:	400206
Ion Ratio	Lower	Upper	
149	100		
167	27.3	20.9	31.3
279	3.7	2.9	4.3





#85
Di-n-octyl phthalate
Concen: 44.397 ng
RT: 14.569 min Scan# 2122
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

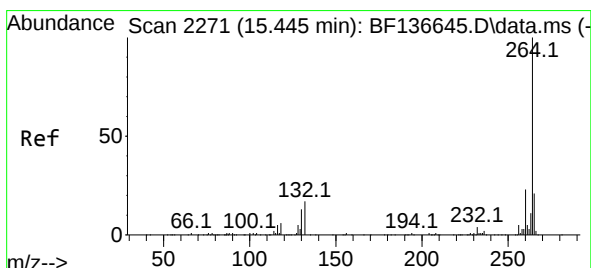
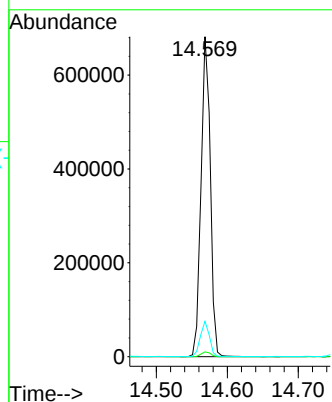
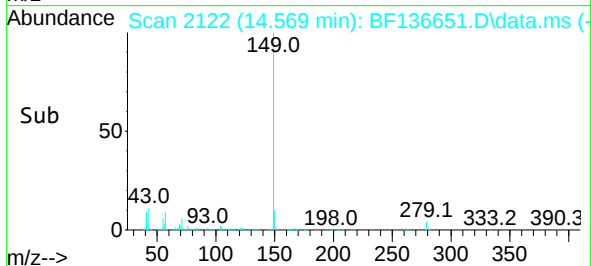
Instrument :
BNA_F
ClientSampleId :
PB157585BS



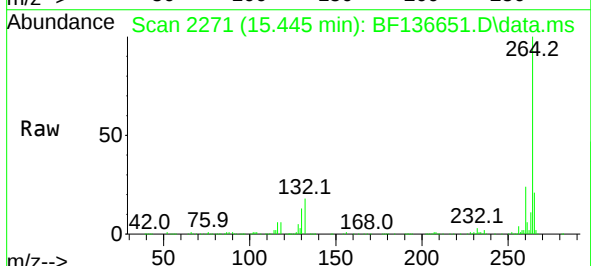
Tgt Ion:149 Resp: 620364
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 10.9 8.9 13.3

Manual Integrations
APPROVED

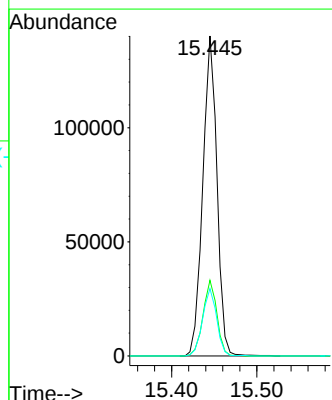
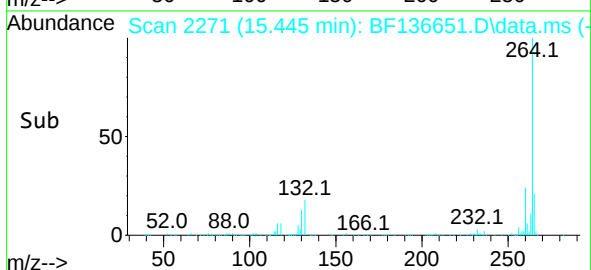
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023

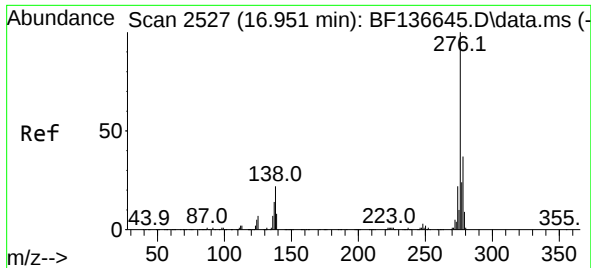


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2271
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53



Tgt Ion:264 Resp: 161791
Ion Ratio Lower Upper
264 100
260 23.7 18.3 27.5
265 21.1 17.0 25.6





#87
Indeno(1,2,3-cd)pyrene
Concen: 46.419 ng
RT: 16.951 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Instrument :

BNA_F

ClientSampleId :

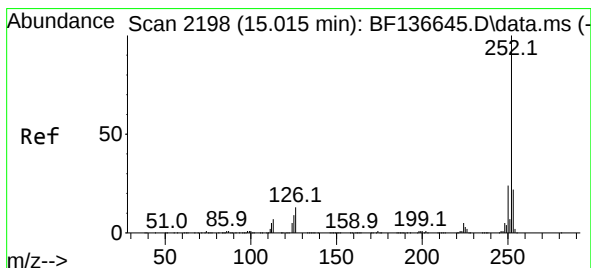
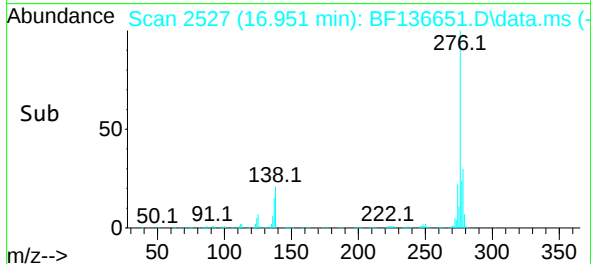
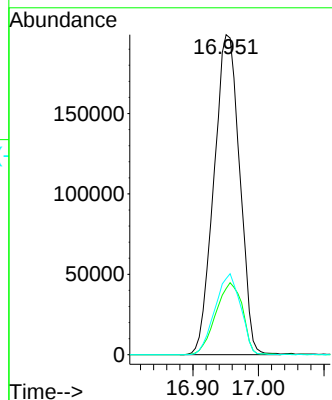
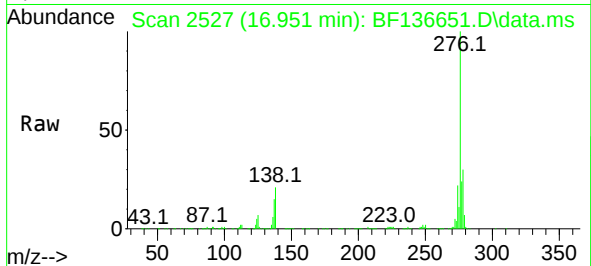
PB157585BS

Tgt Ion:276 Resp: 542240
Ion Ratio Lower Upper
276 100
138 23.5 18.7 28.1
277 25.3 20.2 30.2

Manual Integrations

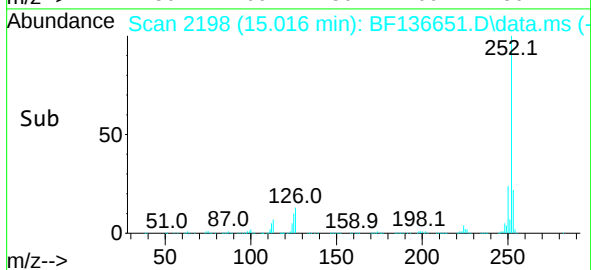
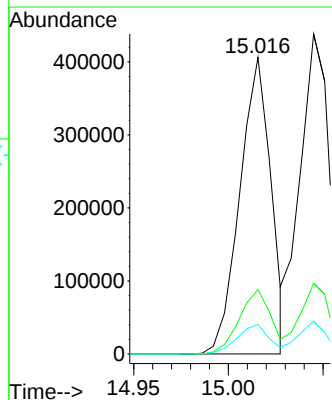
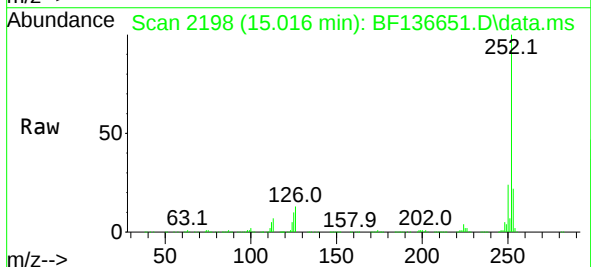
APPROVED

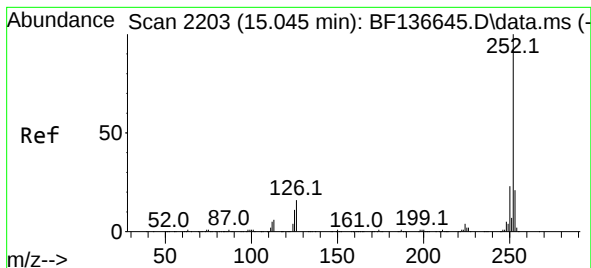
Reviewed By :Yogesh Patel 12/21/2023
Supervised By :mohammad ahmed 12/21/2023



#88
Benzo(b)fluoranthene
Concen: 42.973 ng
RT: 15.016 min Scan# 2198
Delta R.T. 0.000 min
Lab File: BF136651.D
Acq: 20 Dec 2023 16:53

Tgt Ion:252 Resp: 464370
Ion Ratio Lower Upper
252 100
253 21.7 17.4 26.0
125 9.9 7.4 11.2





#89

Benzo(k)fluoranthene

Concen: 46.135 ng

RT: 15.045 min Scan# 2203

Delta R.T. 0.000 min

Lab File: BF136651.D

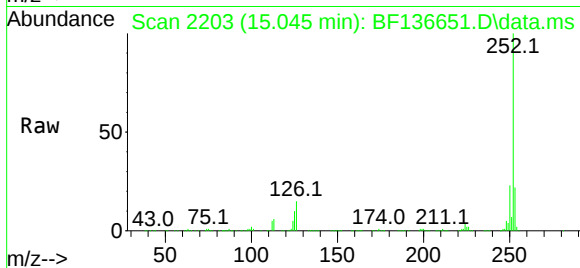
Acq: 20 Dec 2023 16:53

Instrument :

BNA_F

ClientSampleId :

PB157585BS



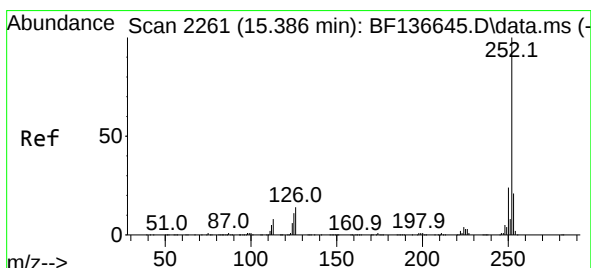
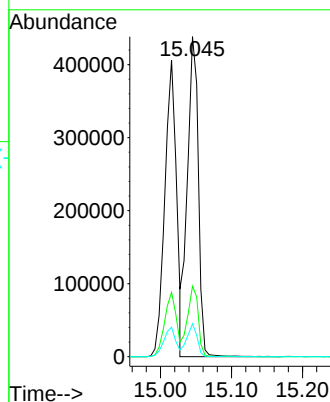
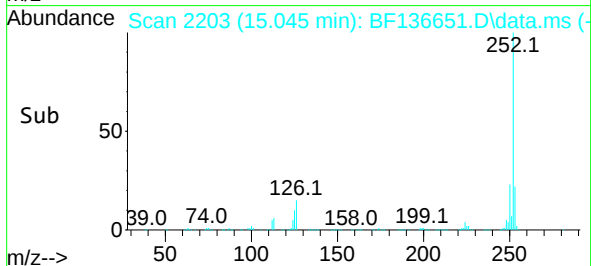
Tgt Ion:252 Resp: 471080
 Ion Ratio Lower Upper
 252 100
 253 22.0 17.0 25.6
 125 10.3 8.2 12.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#90

Benzo(a)pyrene

Concen: 44.255 ng

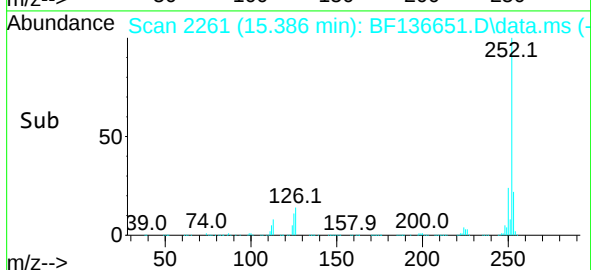
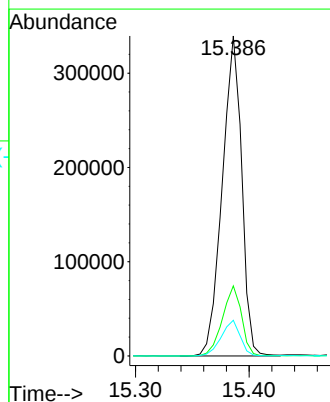
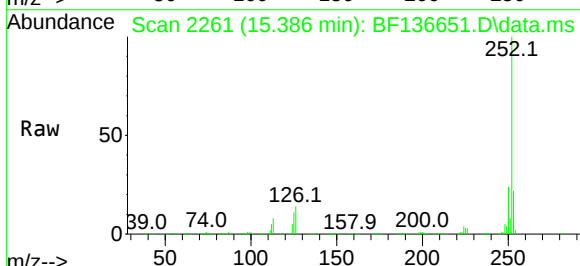
RT: 15.386 min Scan# 2261

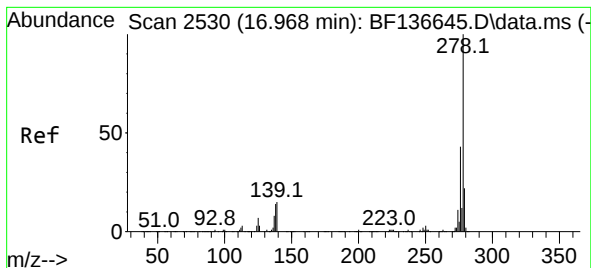
Delta R.T. 0.000 min

Lab File: BF136651.D

Acq: 20 Dec 2023 16:53

Tgt Ion:252 Resp: 403670
 Ion Ratio Lower Upper
 252 100
 253 21.9 17.0 25.6
 125 11.2 8.8 13.2





#91

Dibenzo(a,h)anthracene

Concen: 47.596 ng

RT: 16.974 min Scan# 2531

Delta R.T. 0.006 min

Lab File: BF136651.D

Acq: 20 Dec 2023 16:53

Instrument :

BNA_F

ClientSampleId :

PB157585BS

Tgt Ion:278 Resp: 456134

Ion Ratio Lower Upper

278 100

139 14.6 12.2 18.4

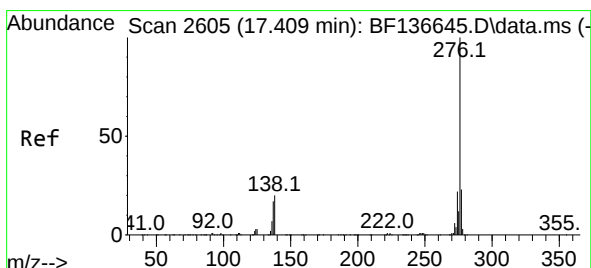
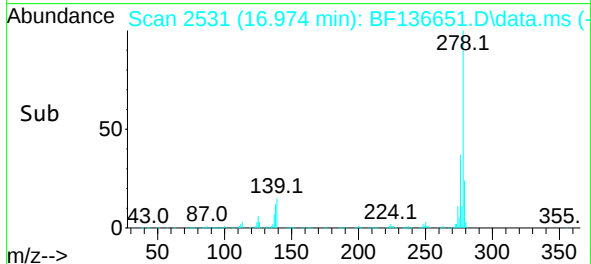
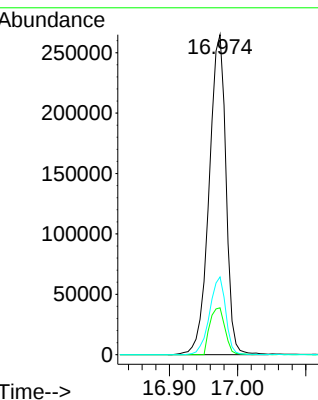
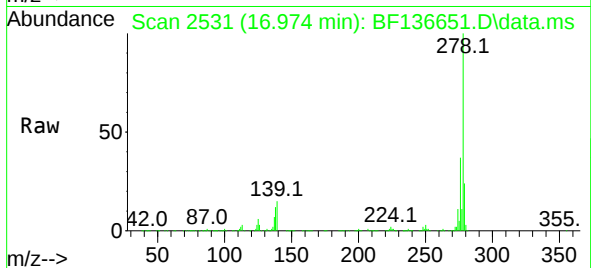
279 24.3 17.8 26.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 12/21/2023

Supervised By :mohammad ahmed 12/21/2023



#92

Benzo(g,h,i)perylene

Concen: 46.657 ng

RT: 17.410 min Scan# 2605

Delta R.T. 0.000 min

Lab File: BF136651.D

Acq: 20 Dec 2023 16:53

Tgt Ion:276 Resp: 457964

Ion Ratio Lower Upper

276 100

277 22.6 18.3 27.5

138 19.7 15.6 23.4

