

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071224\
 Data File : BF138542.D
 Acq On : 12 Jul 2024 12:53
 Operator : CG\JU
 Sample : PB162009BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB162009BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/13/2024
 Supervised By :mohammad ahmed 07/19/2024

Quant Time: Jul 12 13:32:40 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF070924.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jul 09 16:58:40 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.869	152	141372	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	588732	20.000	ng	0.00
39) Acenaphthene-d10	9.904	164	327987	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	561808	20.000	ng	0.00
76) Chrysene-d12	14.027	240	263280	20.000	ng	0.00
86) Perylene-d12	15.492	264	260791	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1144412	128.206	ng	0.02
7) Phenol-d6	6.516	99	1508520	127.036	ng	0.01
23) Nitrobenzene-d5	7.440	82	1000942	83.474	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	400560	130.673	ng	0.01
45) 2-Fluorobiphenyl	9.234	172	1753671	83.565	ng	0.00
79) Terphenyl-d14	12.974	244	1660354	102.739	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.769	88	124473	31.485	ng	99
3) Pyridine	3.510	79	313413	32.147	ng	98
4) n-Nitrosodimethylamine	3.475	42	269140	42.406	ng	95
6) Aniline	6.534	93	313103	28.151	ng	# 28
8) 2-Chlorophenol	6.657	128	453413	48.038	ng	96
9) Benzaldehyde	6.416	77	106316	16.727	ng	93
10) Phenol	6.528	94	558859	44.339	ng	94
11) bis(2-Chloroethyl)ether	6.610	93	444415	46.831	ng	98
12) 1,3-Dichlorobenzene	6.810	146	443568	41.808	ng	99
13) 1,4-Dichlorobenzene	6.887	146	455708	42.298	ng	98
14) 1,2-Dichlorobenzene	7.040	146	440560	43.905	ng	98
15) Benzyl Alcohol	7.016	79	433276	48.619	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.140	45	793311	42.509	ng	88
17) 2-Methylphenol	7.128	107	357634	46.232	ng	# 93
18) Hexachloroethane	7.381	117	172766	43.620	ng	97
19) n-Nitroso-di-n-propyla...	7.293	70	340926	46.464	ng	95
20) 3+4-Methylphenols	7.287	107	434841	44.640	ng	# 85
22) Acetophenone	7.281	105	622438	43.531	ng	# 95
24) Nitrobenzene	7.457	77	506253	41.545	ng	95
25) Isophorone	7.692	82	946427	45.960	ng	99
26) 2-Nitrophenol	7.769	139	248630	47.605	ng	98
27) 2,4-Dimethylphenol	7.810	122	317161	49.410	ng	97
28) bis(2-Chloroethoxy)met...	7.898	93	550204	44.707	ng	99
29) 2,4-Dichlorophenol	8.016	162	376745	45.197	ng	97
30) 1,2,4-Trichlorobenzene	8.092	180	413196	42.551	ng	98
31) Naphthalene	8.175	128	1306990	42.686	ng	99
32) Benzoic acid	7.969	122	283164	46.251	ng	96
33) 4-Chloroaniline	8.222	127	267038	24.856	ng	98
34) Hexachlorobutadiene	8.287	225	248586	41.572	ng	100
35) Caprolactam	8.622	113	110541m	41.096	ng	
36) 4-Chloro-3-methylphenol	8.716	107	417126	44.698	ng	97
37) 2-Methylnaphthalene	8.863	142	845002	42.885	ng	100
38) 1-Methylnaphthalene	8.963	142	783794	40.758	ng	99
40) 1,2,4,5-Tetrachloroben...	9.028	216	401469	43.919	ng	99
41) Hexachlorocyclopentadiene	9.016	237	343604	115.806	ng	100
43) 2,4,6-Trichlorophenol	9.145	196	263593	45.205	ng	99

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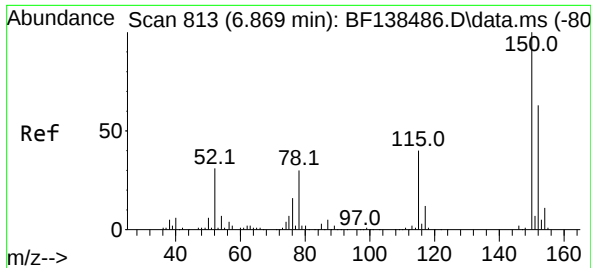
Manual Integrations
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 Supervised By :mohammad ahmed 07/19/2024

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	275527	42.961	ng	# 92
46) 1,1'-Biphenyl	9.334	154	1063586	42.789	ng	100
47) 2-Chloronaphthalene	9.357	162	807230	42.988	ng	99
48) 2-Nitroaniline	9.457	65	294633	45.279	ng	98
49) Acenaphthylene	9.775	152	1229257	46.108	ng	99
50) Dimethylphthalate	9.639	163	982678	46.335	ng	99
51) 2,6-Dinitrotoluene	9.698	165	215940	44.222	ng	89
52) Acenaphthene	9.945	154	768814	43.383	ng	99
53) 3-Nitroaniline	9.869	138	143896	28.751	ng	98
54) 2,4-Dinitrophenol	9.981	184	243481	92.153	ng	# 87
55) Dibenzofuran	10.116	168	1115557	43.399	ng	99
56) 4-Nitrophenol	10.045	139	313815	84.978	ng	99
57) 2,4-Dinitrotoluene	10.104	165	281610	44.572	ng	95
58) Fluorene	10.457	166	870268	42.789	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.233	232	234573	46.345	ng	98
60) Diethylphthalate	10.333	149	936842	45.821	ng	100
61) 4-Chlorophenyl-phenyle...	10.445	204	442257	43.303	ng	93
62) 4-Nitroaniline	10.492	138	203395	40.555	ng	97
63) Azobenzene	10.610	77	984653	44.794	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	168979	52.091	ng	98
66) n-Nitrosodiphenylamine	10.569	169	771668	45.845	ng	99
67) 4-Bromophenyl-phenylether	10.939	248	265708	46.015	ng	94
68) Hexachlorobenzene	11.004	284	289424	45.118	ng	92
69) Atrazine	11.098	200	225359	40.382	ng	98
70) Pentachlorophenol	11.198	266	335775	88.459	ng	98
71) Phenanthrene	11.422	178	1265030	44.570	ng	100
72) Anthracene	11.475	178	1279372	45.409	ng	100
73) Carbazole	11.628	167	1058710	41.814	ng	99
74) Di-n-butylphthalate	11.951	149	1372375	47.023	ng	99
75) Fluoranthene	12.604	202	1183080	40.850	ng	98
77) Benzidine	12.722	184	51747	7.790	ng	99
78) Pyrene	12.833	202	1174972	43.963	ng	99
80) Butylbenzylphthalate	13.445	149	424836	52.841	ng	98
81) Benzo(a)anthracene	14.016	228	816000	46.190	ng	100
82) 3,3'-Dichlorobenzidine	13.980	252	195028	42.843	ng	97
83) Chrysene	14.057	228	778091	46.558	ng	99
84) Bis(2-ethylhexyl)phtha...	13.998	149	534151	62.294	ng	99
85) Di-n-octyl phthalate	14.610	149	879290	64.913	ng	99
87) Indeno(1,2,3-cd)pyrene	16.974	276	845646	48.275	ng	99
88) Benzo(b)fluoranthene	15.068	252	727084	49.505	ng	99
89) Benzo(k)fluoranthene	15.098	252	696715	48.639	ng	99
90) Benzo(a)pyrene	15.433	252	662127	51.320	ng	100
91) Dibenzo(a,h)anthracene	16.992	278	702747	49.042	ng	100
92) Benzo(g,h,i)perylene	17.421	276	672735	44.274	ng	98

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



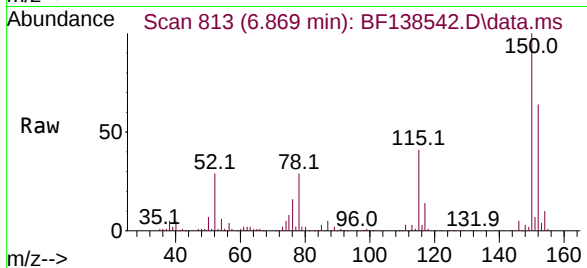
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

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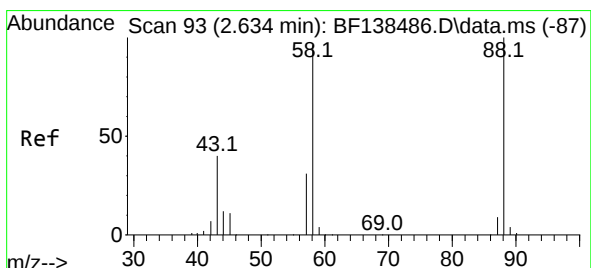
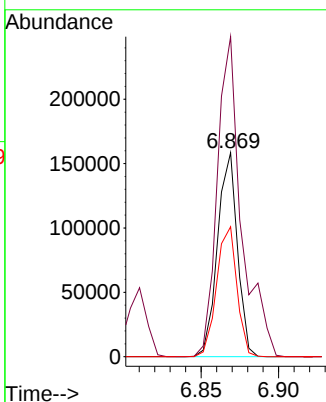
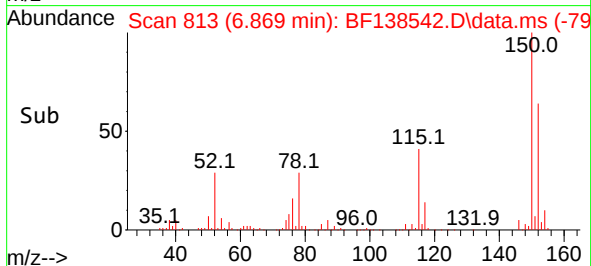
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Ion Ratio Lower Upper
152 100
150 156.8 126.2 189.4
115 63.7 50.3 75.5

Manual Integrations

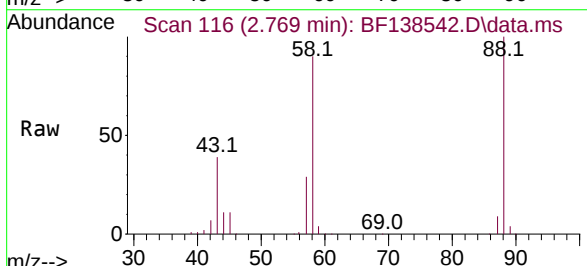
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Reviewed By :Yogesh Patel 07/13/2024

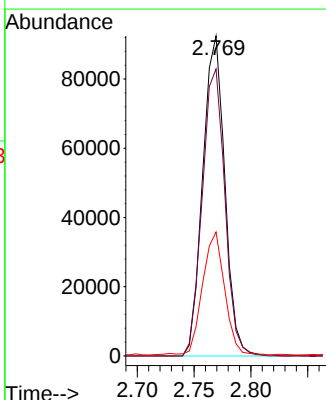
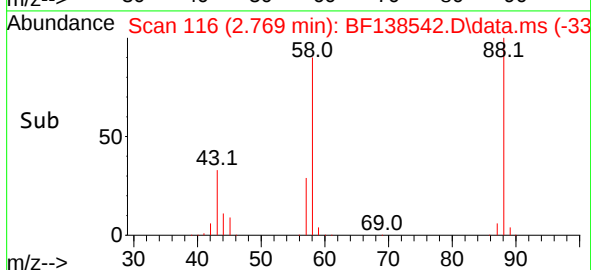
Supervised By :mohammad ahmed 07/19/2024

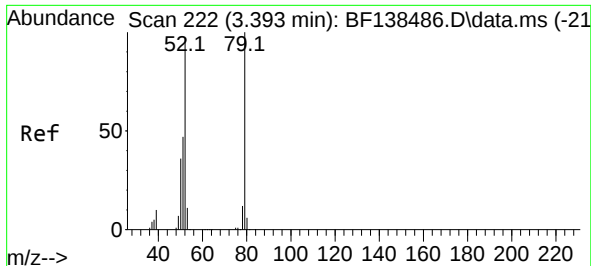


#2
1,4-Dioxane
Concen: 31.485 ng
RT: 2.769 min Scan# 116
Delta R.T. 0.135 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53



Tgt Ion: 88 Resp: 124473
Ion Ratio Lower Upper
88 100
58 92.6 74.6 112.0
43 38.9 31.8 47.6





#3

Pyridine

Concen: 32.147 ng

RT: 3.510 min Scan# 24

Delta R.T. 0.118 min

Lab File: BF138542.D

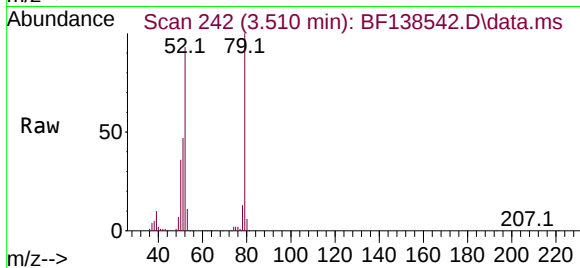
Acq: 12 Jul 2024 12:53

Instrument :

BNA_F

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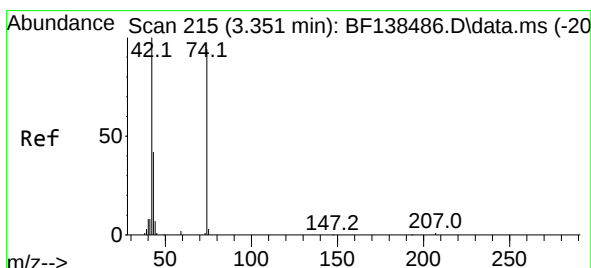
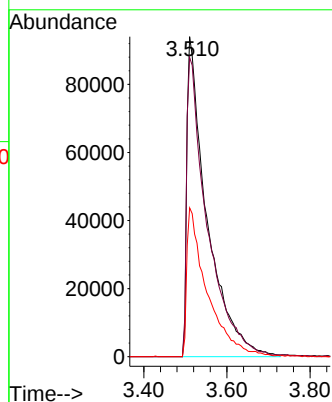
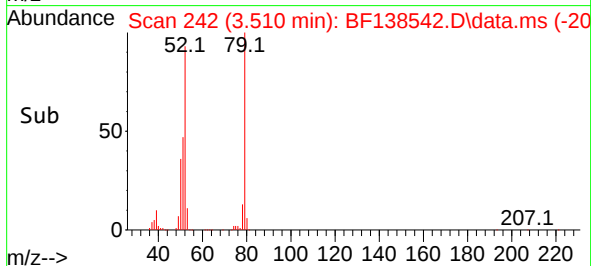
Tgt Ion: 79	Resp: 31341
Ion Ratio	Lower Upper
79	100
52	93.4 77.4 116.2
51	46.5 37.4 56.0

Manual Integrations

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#4

n-Nitrosodimethylamine

Concen: 42.406 ng

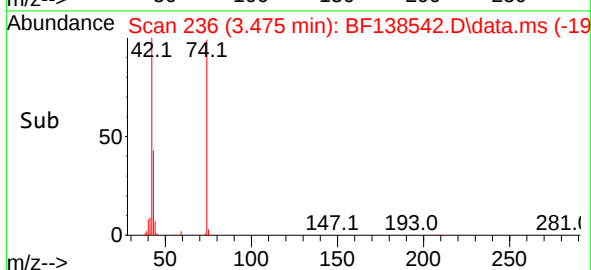
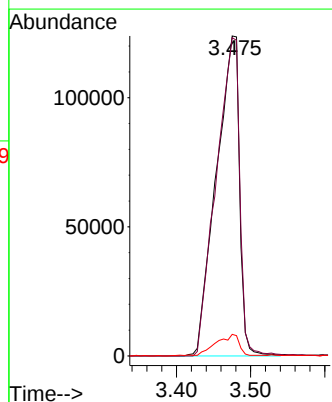
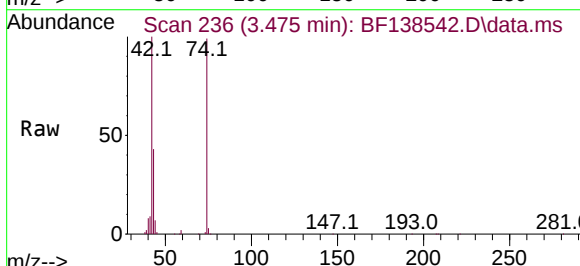
RT: 3.475 min Scan# 236

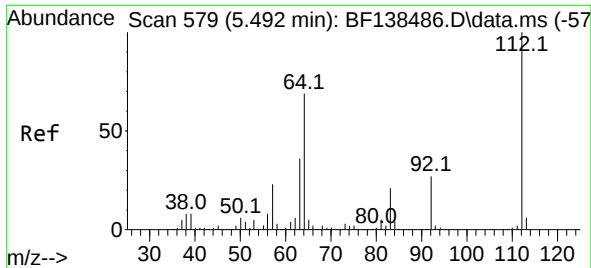
Delta R.T. 0.124 min

Lab File: BF138542.D

Acq: 12 Jul 2024 12:53

Tgt Ion: 42	Resp: 269140
Ion Ratio	Lower Upper
42	100
74	99.5 75.0 112.6
44	6.7 5.4 8.2





#5
2-Fluorophenol
Concen: 128.206 ng
RT: 5.510 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Instrument :

BNA_F

ClientSampleId :

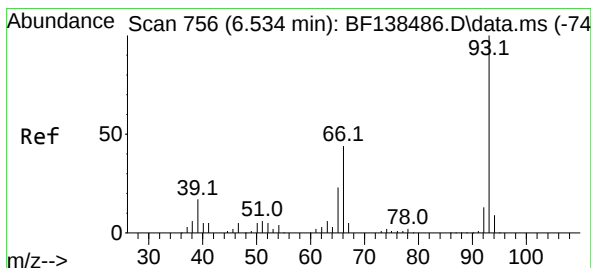
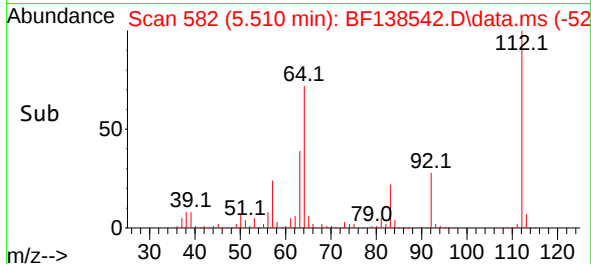
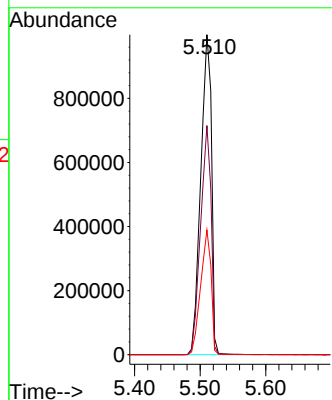
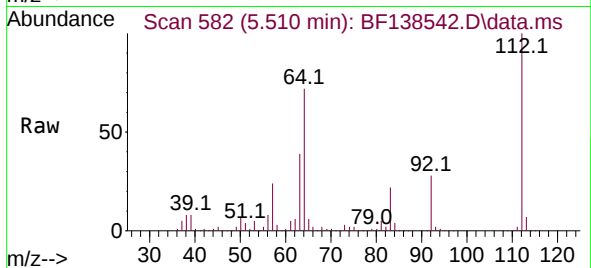
PB162009BS

Tgt Ion:112 Resp: 114441
Ion Ratio Lower Upper
112 100
64 71.6 55.1 82.7
63 38.9 29.0 43.6

Manual Integrations

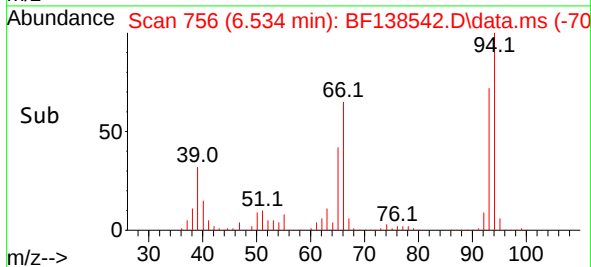
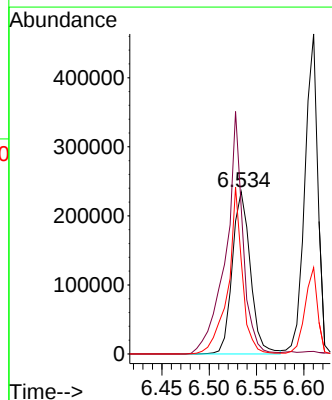
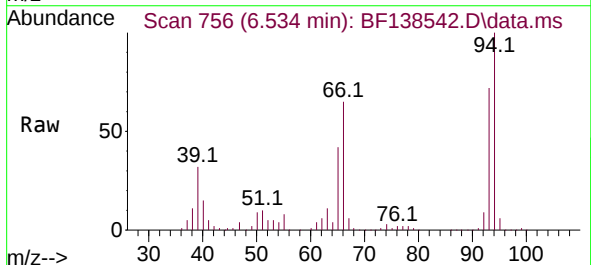
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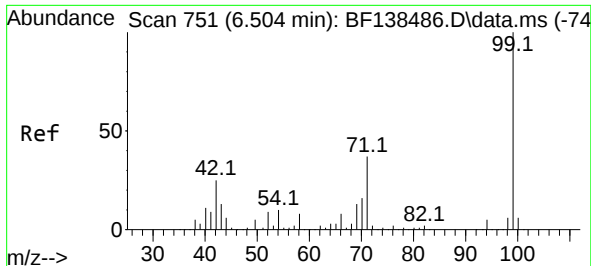
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#6
Aniline
Concen: 28.151 ng
RT: 6.534 min Scan# 756
Delta R.T. 0.000 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Tgt Ion: 93 Resp: 313103
Ion Ratio Lower Upper
93 100
66 90.7 35.4 53.0#
65 58.0 18.6 27.8#





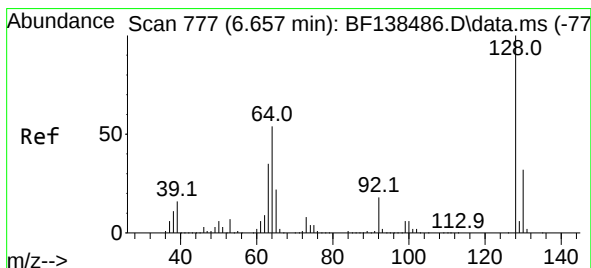
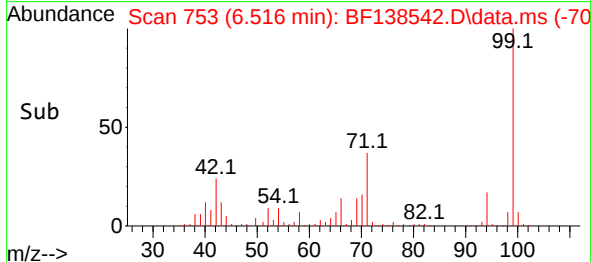
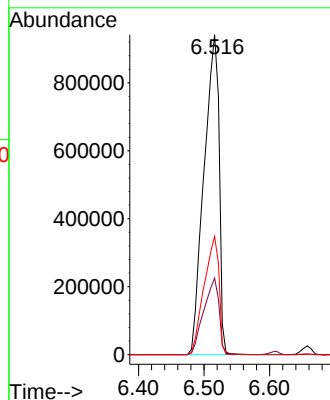
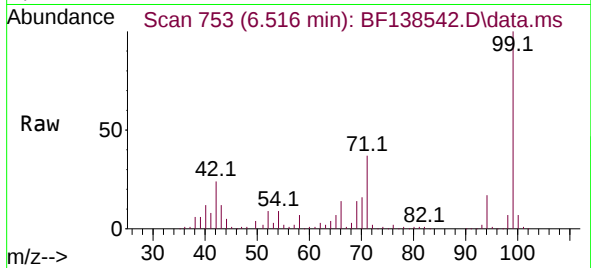
#7
Phenol-d6
Concen: 127.036 ng
RT: 6.516 min Scan# 751
Delta R.T. 0.012 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

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ClientSampleId :
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Tgt Ion: 99 Resp: 1508520
Ion Ratio Lower Upper
99 100
42 23.9 19.7 29.5
71 37.0 29.9 44.9

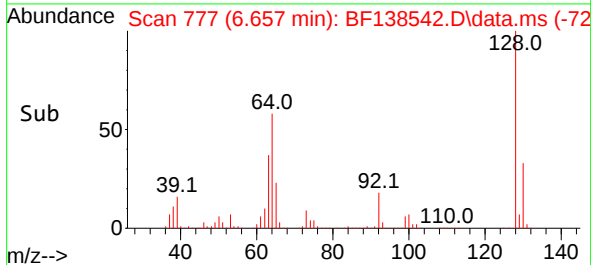
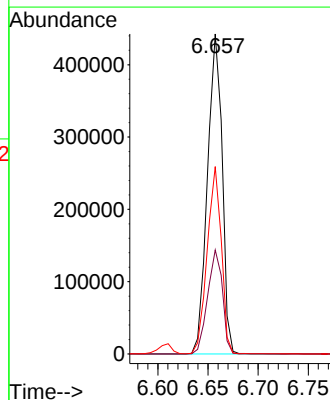
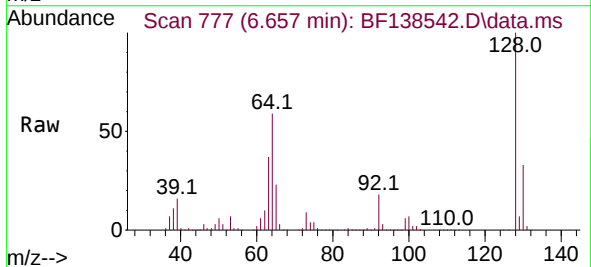
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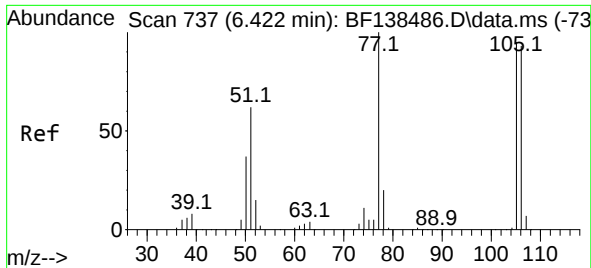
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#8
2-Chlorophenol
Concen: 48.038 ng
RT: 6.657 min Scan# 777
Delta R.T. 0.000 min
Lab File: BF138542.D
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Tgt Ion:128 Resp: 453413
Ion Ratio Lower Upper
128 100
130 32.5 12.1 52.1
64 58.5 34.4 74.4





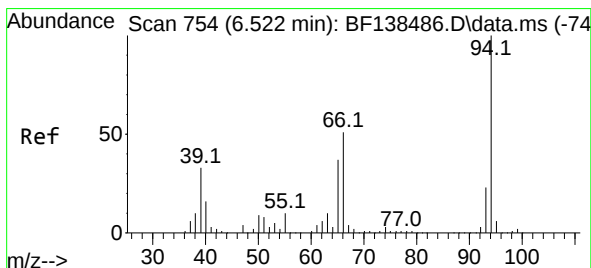
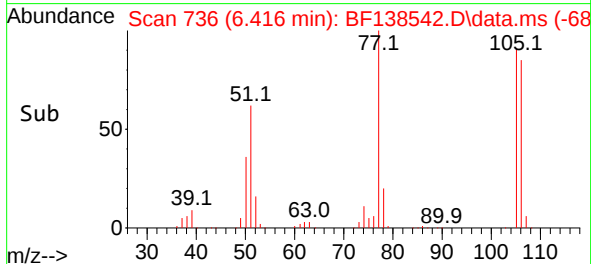
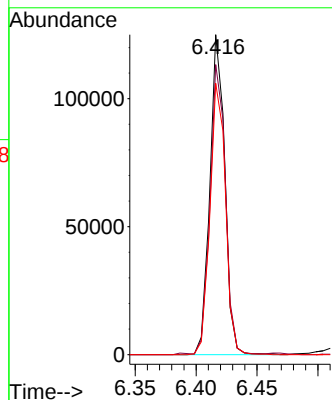
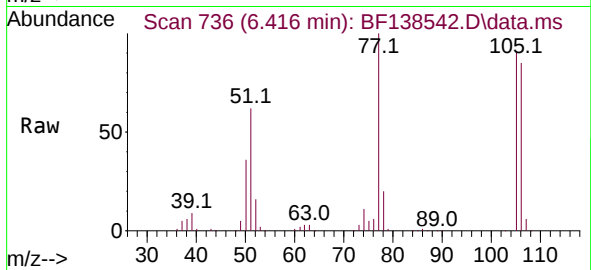
#9
Benzaldehyde
Concen: 16.727 ng
RT: 6.416 min Scan# 736
Delta R.T. -0.006 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Instrument :
BNA_F
ClientSampleId :
PB162009BS

Tgt Ion: 77 Resp: 106310
Ion Ratio Lower Upper
77 100
105 90.6 75.1 115.1
106 84.8 73.2 113.2

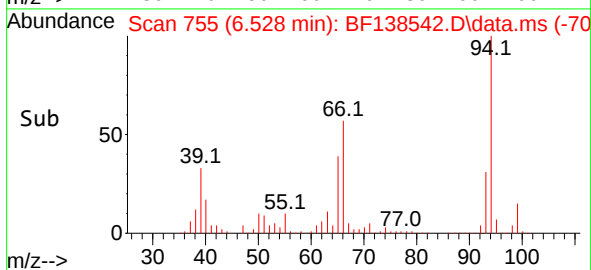
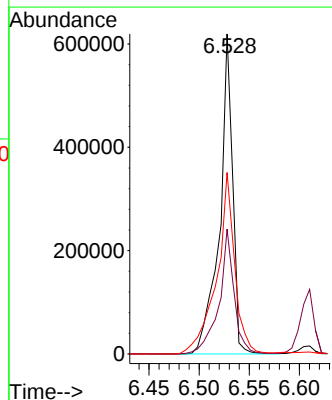
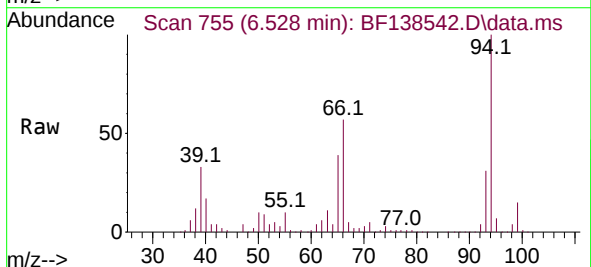
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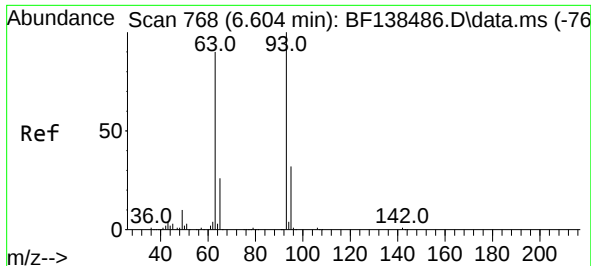
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#10
Phenol
Concen: 44.339 ng
RT: 6.528 min Scan# 755
Delta R.T. 0.006 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Tgt Ion: 94 Resp: 558859
Ion Ratio Lower Upper
94 100
65 39.0 16.7 56.7
66 56.7 31.2 71.2





#11
bis(2-Chloroethyl)ether
Concen: 46.831 ng
RT: 6.610 min Scan# 768
Delta R.T. 0.006 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Instrument :

BNA_F

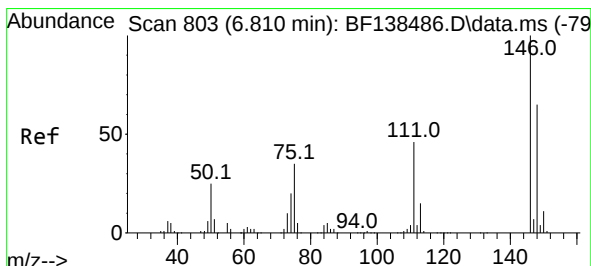
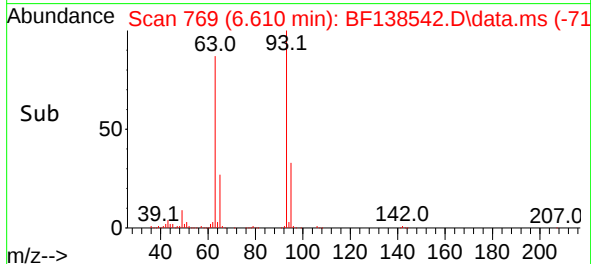
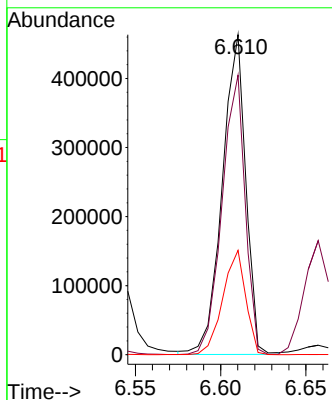
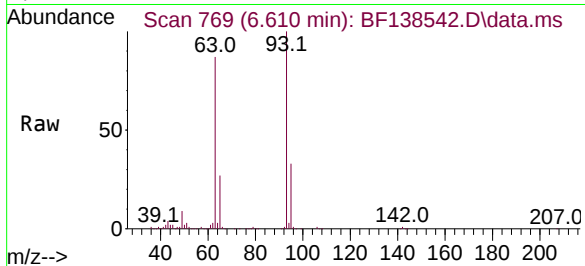
ClientSampleId :

PB162009BS

Tgt Ion: 93 Resp: 444415
Ion Ratio Lower Upper
93 100
63 87.4 68.8 108.8
95 32.6 11.8 51.8

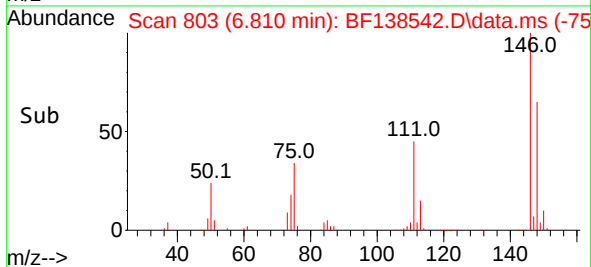
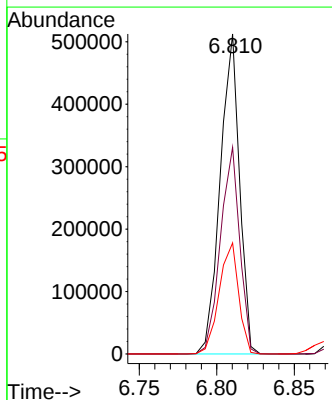
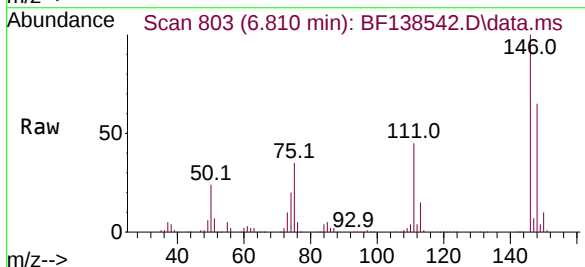
Manual Integrations
APPROVED

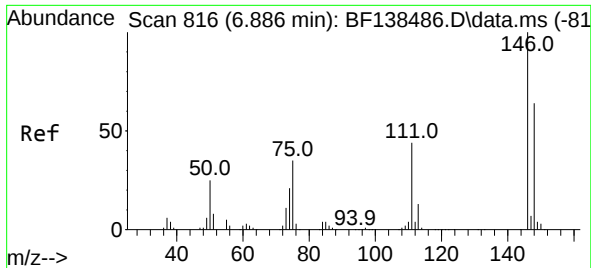
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#12
1,3-Dichlorobenzene
Concen: 41.808 ng
RT: 6.810 min Scan# 803
Delta R.T. 0.000 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

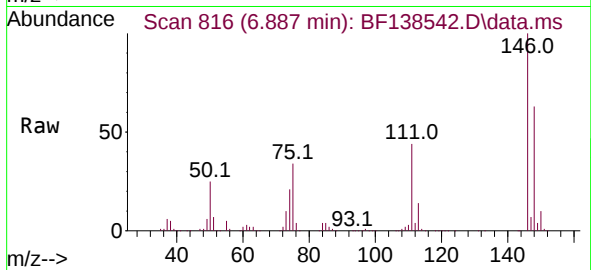
Tgt Ion:146 Resp: 443568
Ion Ratio Lower Upper
146 100
148 64.6 52.4 78.6
75 34.7 27.8 41.8





#13
1,4-Dichlorobenzene
Concen: 42.298 ng
RT: 6.887 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

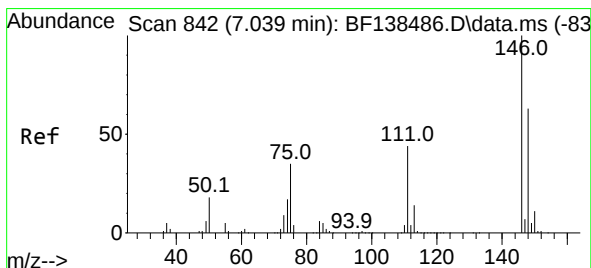
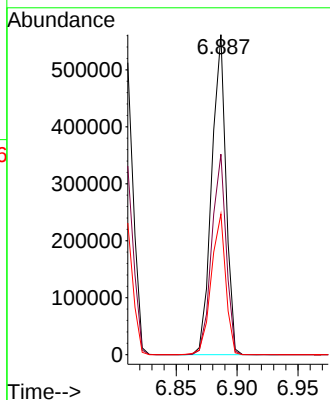
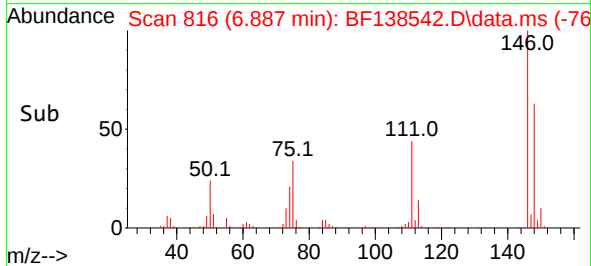
Instrument :
BNA_F
ClientSampleId :
PB162009BS



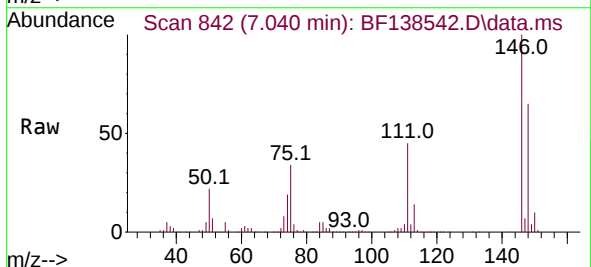
Tgt Ion:146 Resp: 455708
Ion Ratio Lower Upper
146 100
148 62.7 51.6 77.4
111 44.0 34.9 52.3

Manual Integrations
APPROVED

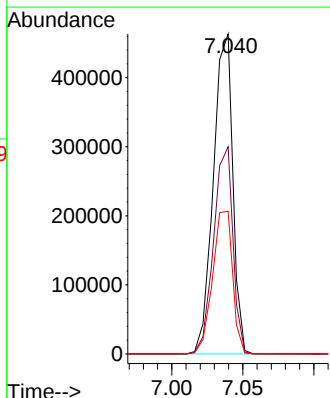
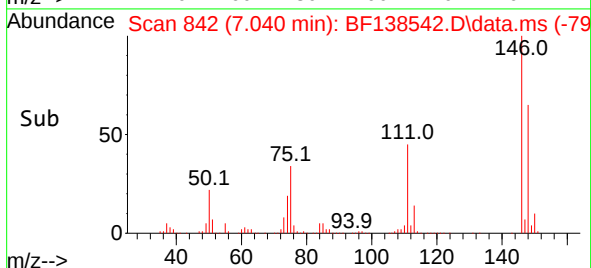
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#14
1,2-Dichlorobenzene
Concen: 43.905 ng
RT: 7.040 min Scan# 842
Delta R.T. 0.000 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53



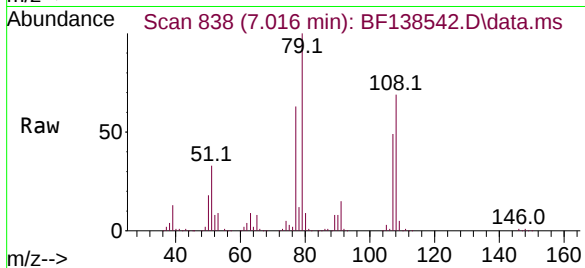
Tgt Ion:146 Resp: 440560
Ion Ratio Lower Upper
146 100
148 64.8 50.1 75.1
111 44.6 35.5 53.3





#15
Benzyl Alcohol
Concen: 48.619 ng
RT: 7.016 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

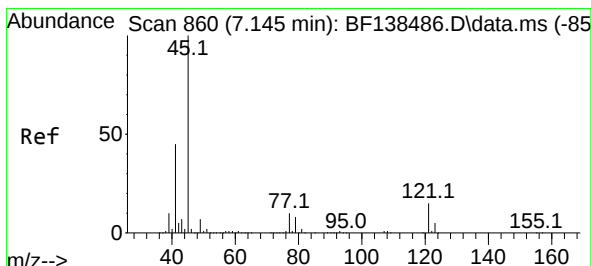
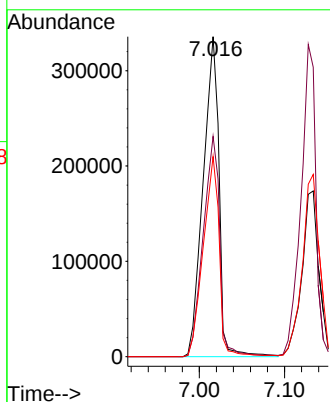
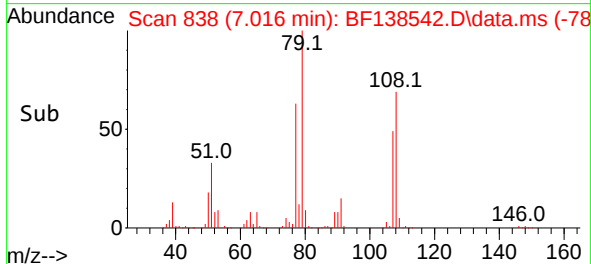
Instrument :
BNA_F
ClientSampleId :
PB162009BS



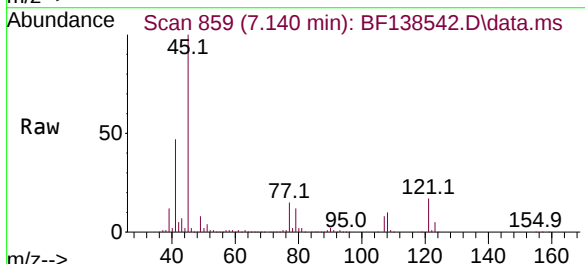
Tgt Ion: 79 Resp: 433270
Ion Ratio Lower Upper
79 100
108 68.9 54.3 81.5
77 62.5 50.0 75.0

Manual Integrations
APPROVED

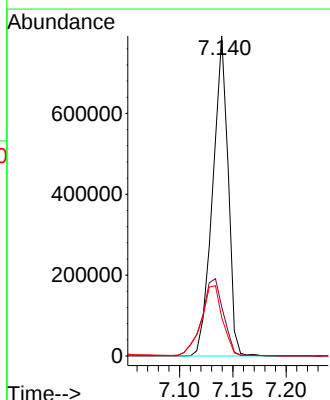
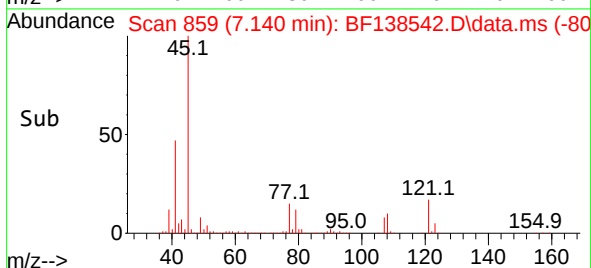
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024

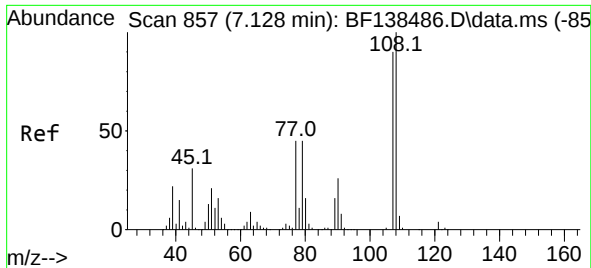


#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.509 ng
RT: 7.140 min Scan# 859
Delta R.T. -0.006 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53



Tgt Ion: 45 Resp: 793311
Ion Ratio Lower Upper
45 100
77 15.4 0.0 30.4
79 12.0 0.0 28.1





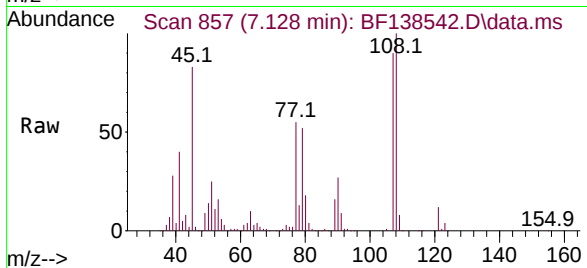
#17
2-Methylphenol
Concen: 46.232 ng
RT: 7.128 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Instrument :

BNA_F

ClientSampleId :

PB162009BS



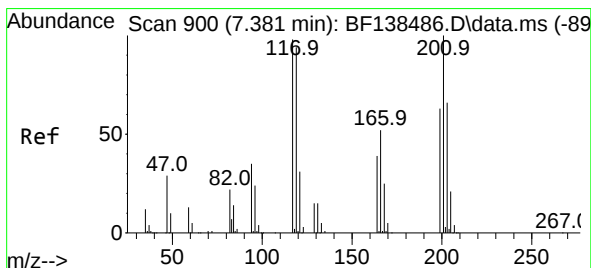
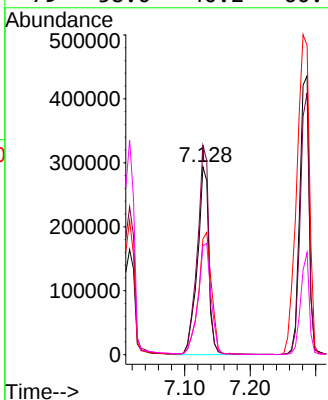
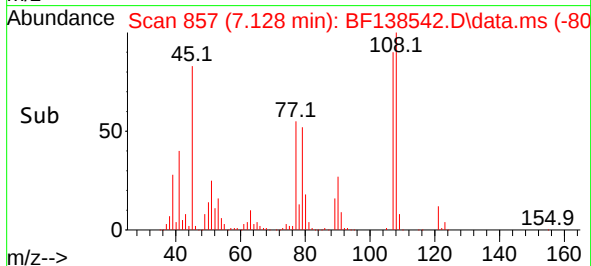
Tgt Ion:107 Resp: 357634
Ion Ratio Lower Upper
107 100
108 111.5 89.0 133.4
77 61.6 40.3 60.5
79 58.0 40.2 60.4

Manual Integrations

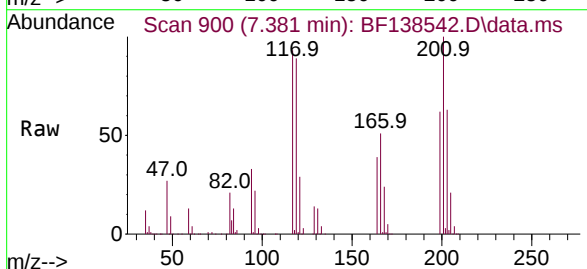
APPROVED

Reviewed By :Yogesh Patel 07/13/2024

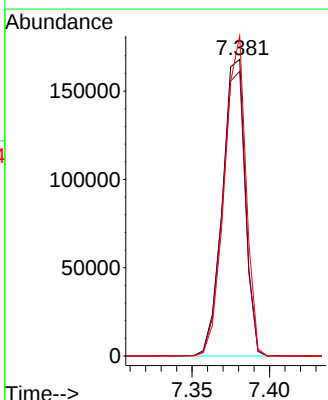
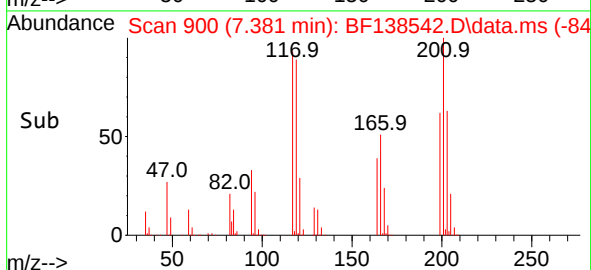
Supervised By :mohammad ahmed 07/19/2024

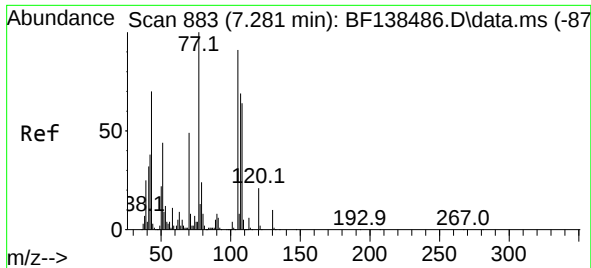


#18
Hexachloroethane
Concen: 43.620 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53



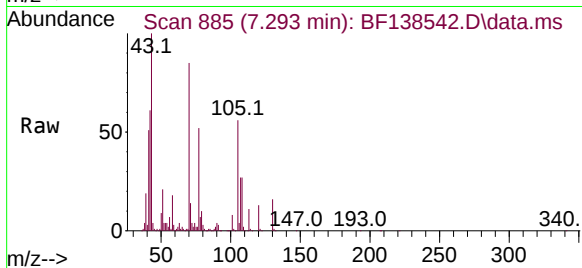
Tgt Ion:117 Resp: 172766
Ion Ratio Lower Upper
117 100
119 96.0 76.6 114.8
201 107.9 81.4 122.0





#19
n-Nitroso-di-n-propylamine
Concen: 46.464 ng
RT: 7.293 min Scan# 81
Delta R.T. 0.012 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

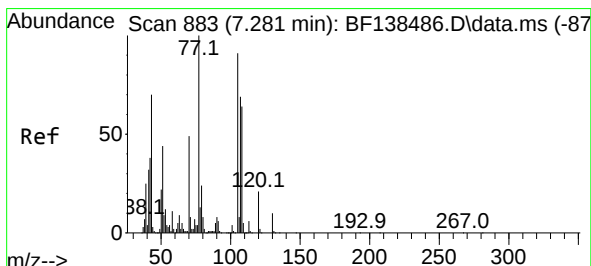
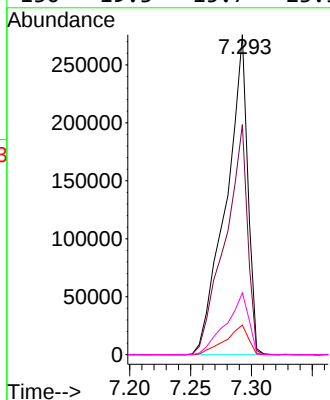
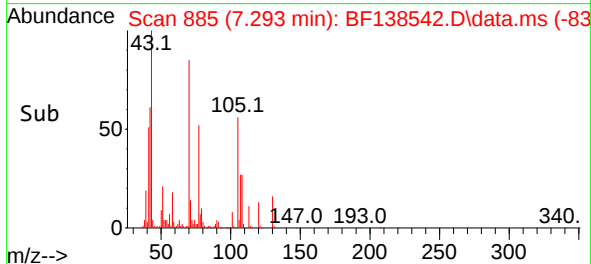
Instrument :
BNA_F
ClientSampleId :
PB162009BS



Tgt Ion: 70 Resp: 340920
Ion Ratio Lower Upper
70 100
42 71.9 62.4 93.6
101 9.3 7.2 10.8
130 19.3 15.7 23.5

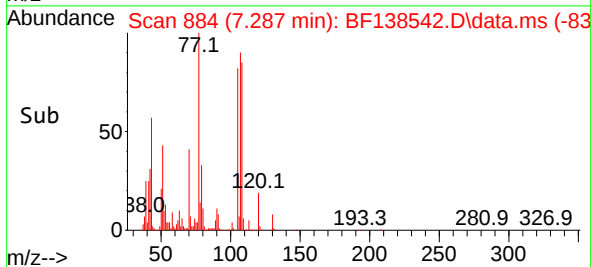
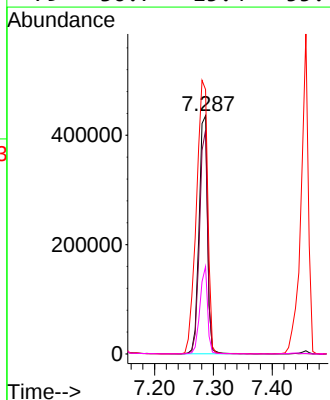
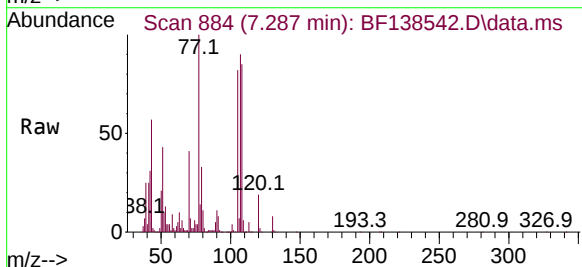
Manual Integrations
APPROVED

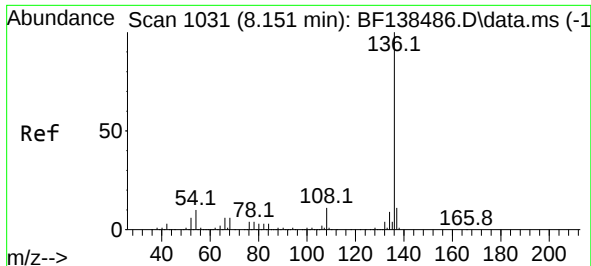
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#20
3+4-Methylphenols
Concen: 44.640 ng
RT: 7.287 min Scan# 884
Delta R.T. 0.006 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Tgt Ion:107 Resp: 434841
Ion Ratio Lower Upper
107 100
108 93.9 73.7 113.7
77 111.0 126.0 166.0#
79 36.7 15.4 55.4





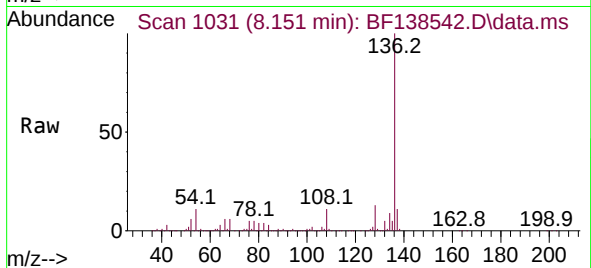
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.151 min Scan# 1031
Delta R.T. 0.000 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Instrument :

BNA_F

ClientSampleId :

PB162009BS



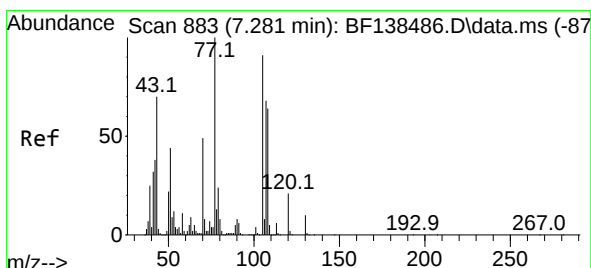
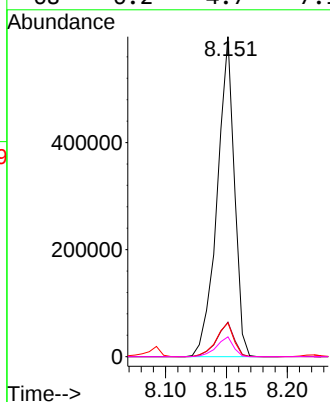
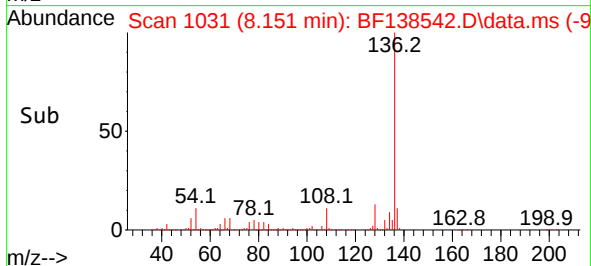
Tgt Ion:136 Resp: 588732
Ion Ratio Lower Upper
136 100
137 10.8 8.5 12.7
54 10.5 8.1 12.1
68 6.2 4.7 7.1

Manual Integrations

APPROVED

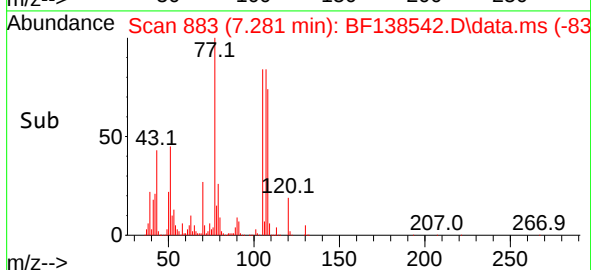
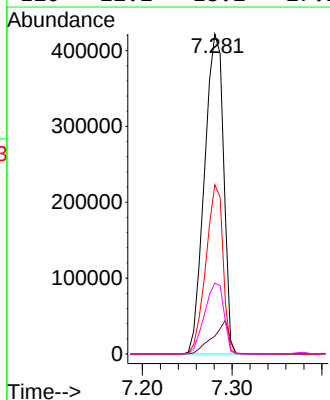
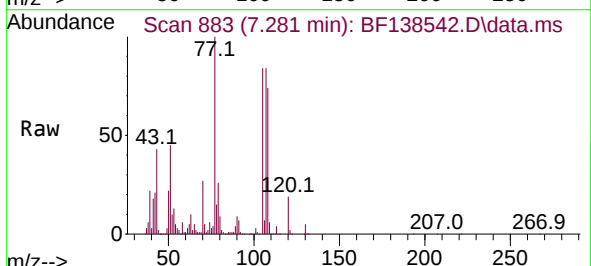
Reviewed By :Yogesh Patel 07/13/2024

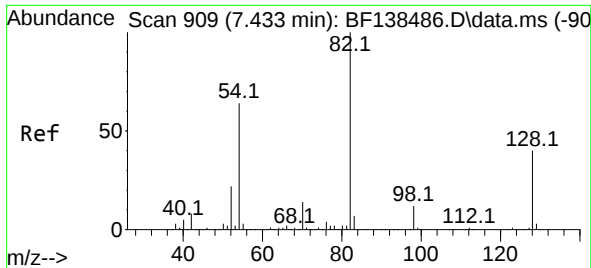
Supervised By :mohammad ahmed 07/19/2024



#22
Acetophenone
Concen: 43.531 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Tgt Ion:105 Resp: 622438
Ion Ratio Lower Upper
105 100
71 5.5 7.4 11.2#
51 52.8 38.7 58.1
120 22.2 18.2 27.2





#23
Nitrobenzene-d5
Concen: 83.474 ng
RT: 7.440 min Scan# 910
Delta R.T. 0.006 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Instrument :

BNA_F

ClientSampleId :

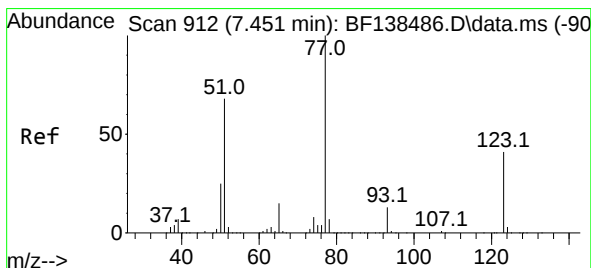
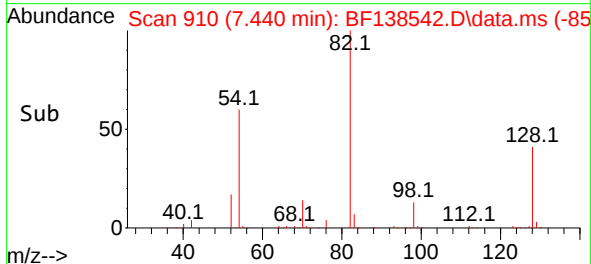
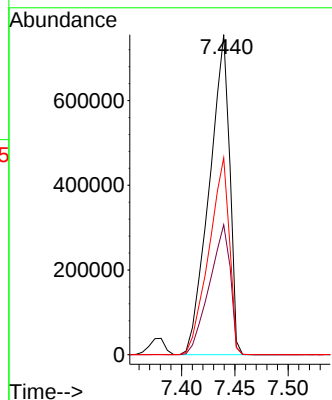
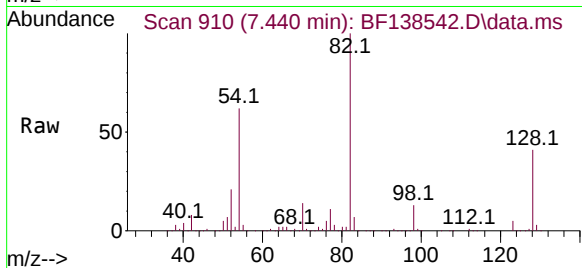
PB162009BS

Tgt Ion: 82 Resp: 100094
Ion Ratio Lower Upper
82 100
128 40.6 32.3 48.5
54 61.5 51.4 77.0

Manual Integrations

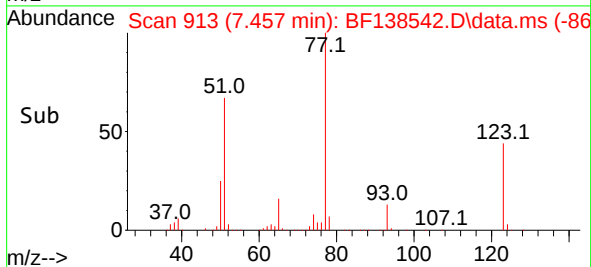
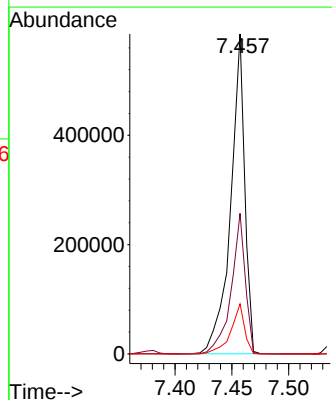
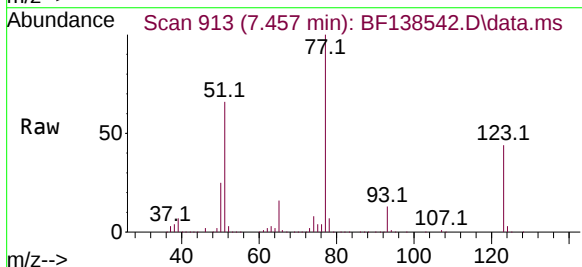
APPROVED

Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#24
Nitrobenzene
Concen: 41.545 ng
RT: 7.457 min Scan# 913
Delta R.T. 0.006 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Tgt Ion: 77 Resp: 506253
Ion Ratio Lower Upper
77 100
123 43.9 32.4 48.6
65 15.7 11.8 17.8





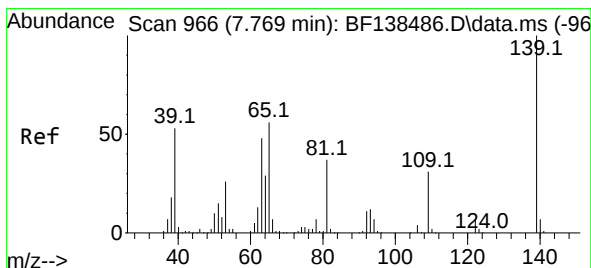
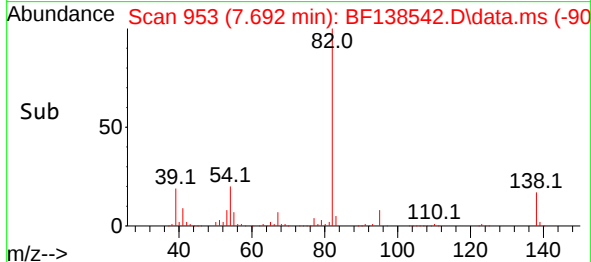
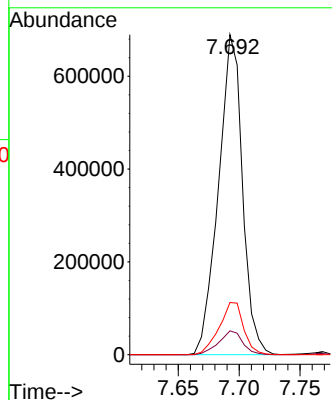
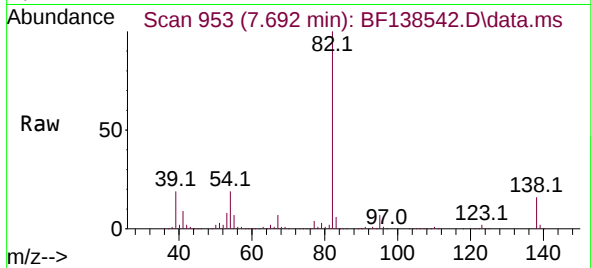
#25
Isophorone
Concen: 45.960 ng
RT: 7.692 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Instrument :
BNA_F
ClientSampleId :
PB162009BS

Tgt Ion: 82 Resp: 94642
Ion Ratio Lower Upper
82 100
95 7.5 6.0 9.0
138 16.3 12.8 19.2

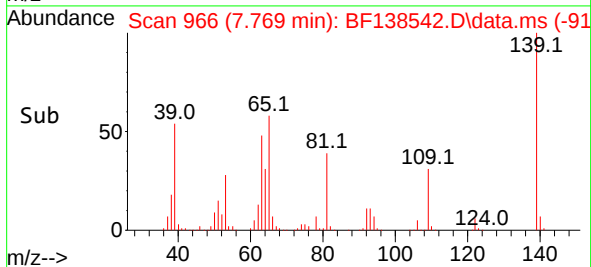
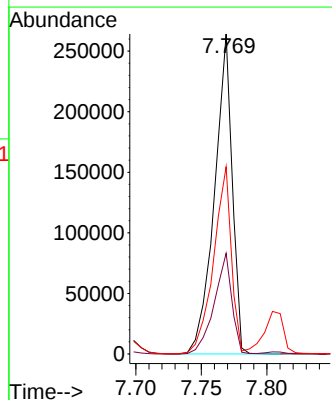
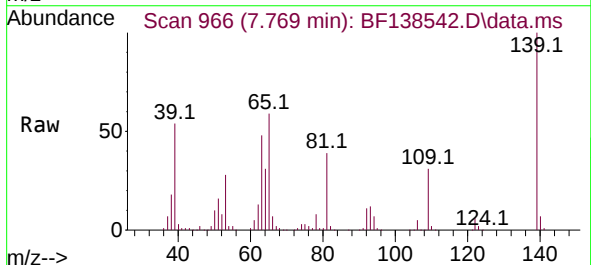
Manual Integrations
APPROVED

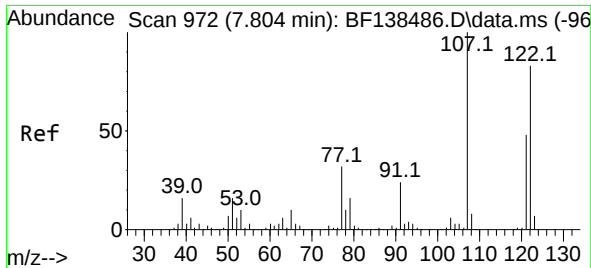
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#26
2-Nitrophenol
Concen: 47.605 ng
RT: 7.769 min Scan# 966
Delta R.T. 0.000 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Tgt Ion:139 Resp: 248630
Ion Ratio Lower Upper
139 100
109 31.5 24.8 37.2
65 58.5 45.1 67.7





#27

2,4-Dimethylphenol

Concen: 49.410 ng

RT: 7.810 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF138542.D

Acq: 12 Jul 2024 12:53

Instrument :

BNA_F

ClientSampleId :

PB162009BS

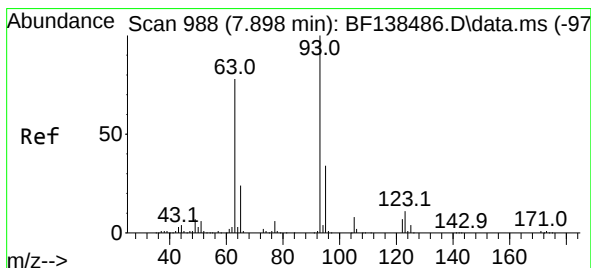
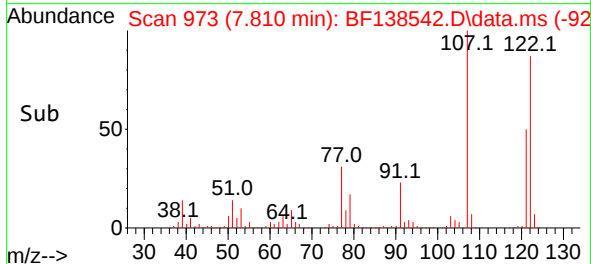
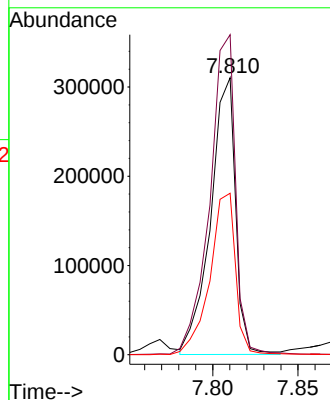
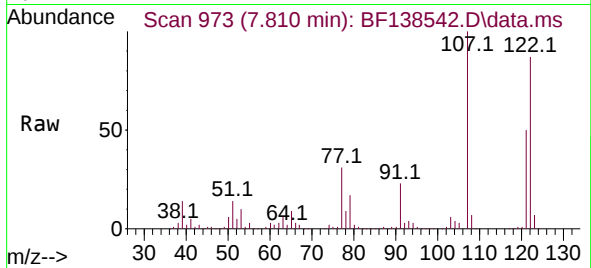
Tgt Ion:122 Resp: 31716
 Ion Ratio Lower Upper
 122 100
 107 115.5 96.3 144.5
 121 58.3 46.7 70.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2024

Supervised By :mohammad ahmed 07/19/2024



#28

bis(2-Chloroethoxy)methane

Concen: 44.707 ng

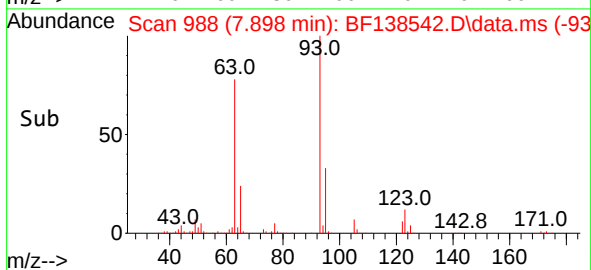
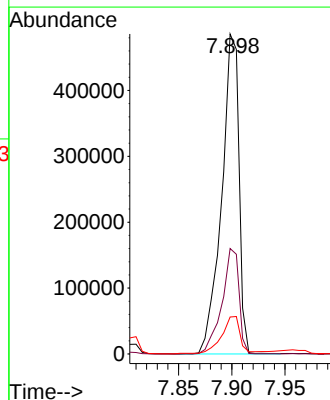
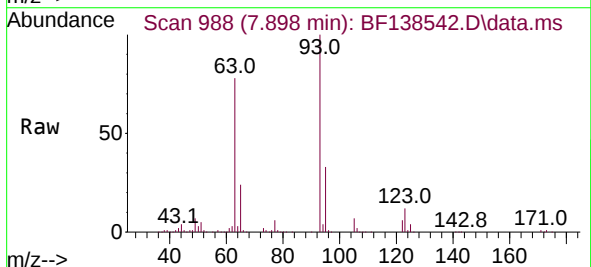
RT: 7.898 min Scan# 988

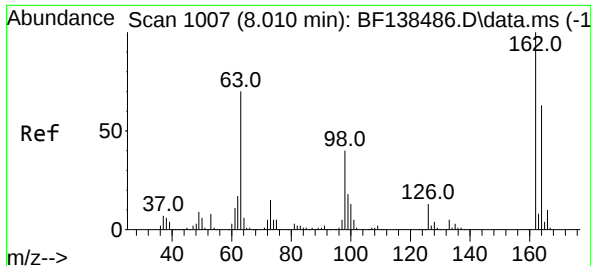
Delta R.T. 0.000 min

Lab File: BF138542.D

Acq: 12 Jul 2024 12:53

Tgt Ion: 93 Resp: 550204
 Ion Ratio Lower Upper
 93 100
 95 33.0 27.0 40.6
 123 11.5 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 45.197 ng

RT: 8.016 min Scan# 1007

Delta R.T. 0.006 min

Lab File: BF138542.D

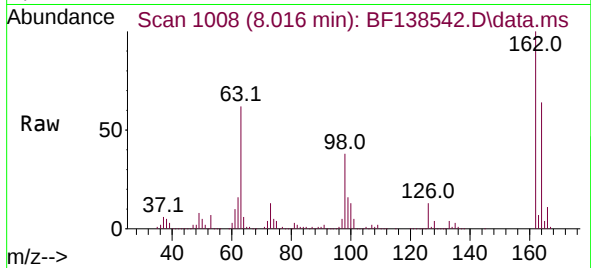
Acq: 12 Jul 2024 12:53

Instrument :

BNA_F

ClientSampleId :

PB162009BS



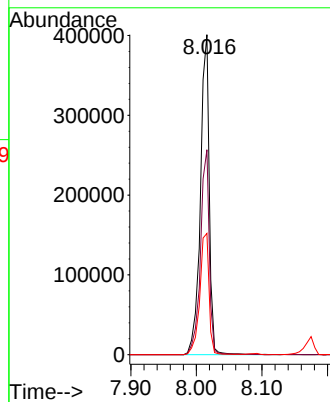
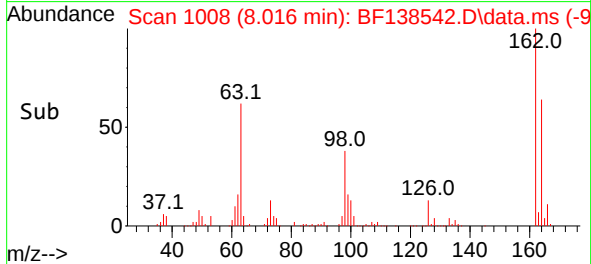
Tgt Ion:162	Resp:	376749
Ion Ratio	Lower	Upper
162	100	
164	64.0	42.6 82.6
98	37.9	20.1 60.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2024

Supervised By :mohammad ahmed 07/19/2024



#30

1,2,4-Trichlorobenzene

Concen: 42.551 ng

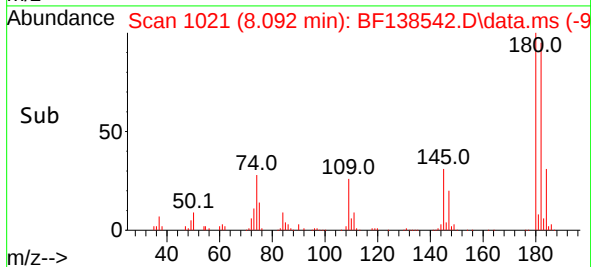
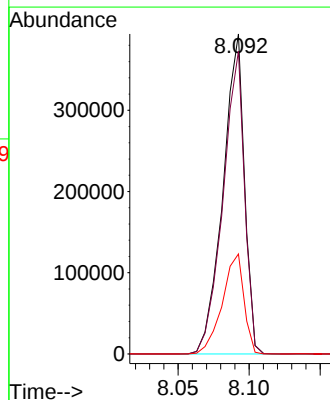
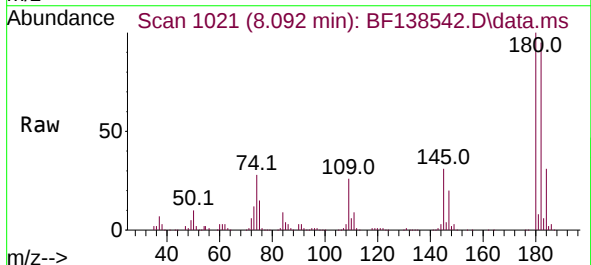
RT: 8.092 min Scan# 1021

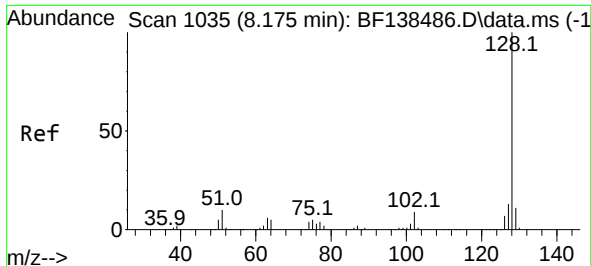
Delta R.T. 0.000 min

Lab File: BF138542.D

Acq: 12 Jul 2024 12:53

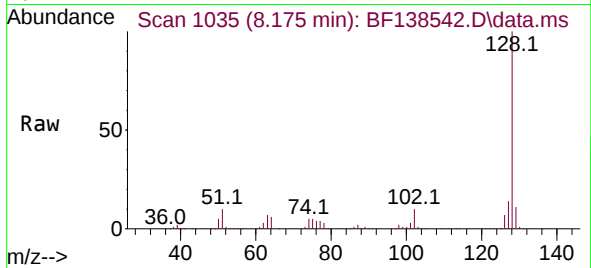
Tgt Ion:180	Resp:	413196
Ion Ratio	Lower	Upper
180	100	
182	94.7	76.9 115.3
145	31.3	23.9 35.9





#31
Naphthalene
Concen: 42.686 ng
RT: 8.175 min Scan# 1035
Delta R.T. 0.000 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

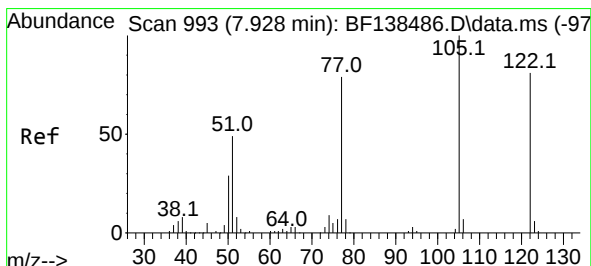
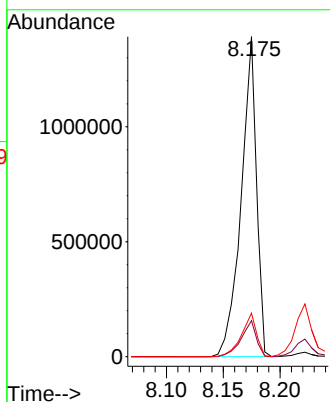
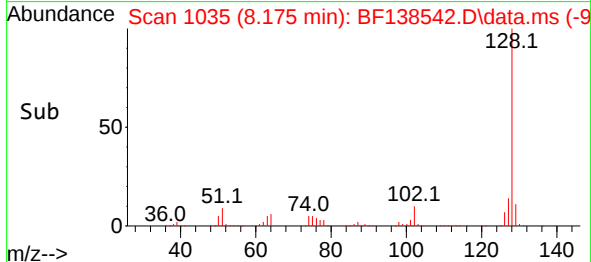
Instrument :
BNA_F
ClientSampleId :
PB162009BS



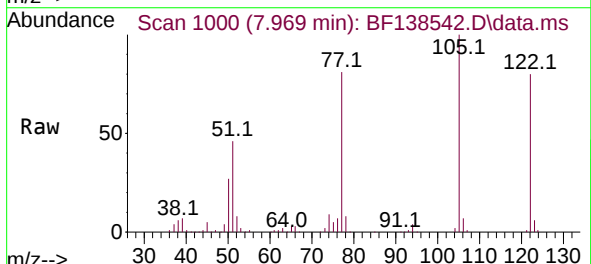
Tgt Ion:128 Resp: 1306990
Ion Ratio Lower Upper
128 100
129 11.2 8.6 13.0
127 13.6 10.7 16.1

Manual Integrations
APPROVED

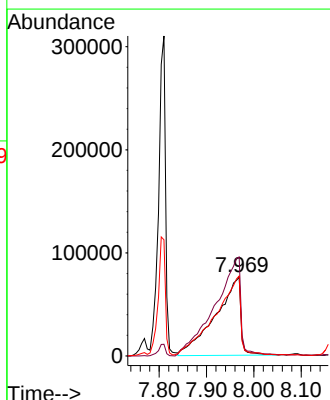
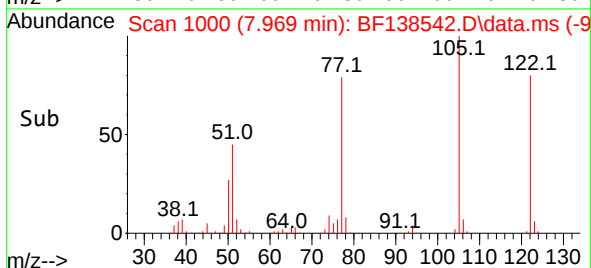
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#32
Benzoic acid
Concen: 46.251 ng
RT: 7.969 min Scan# 1000
Delta R.T. 0.041 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53



Tgt Ion:122 Resp: 283164
Ion Ratio Lower Upper
122 100
105 125.4 101.5 141.5
77 101.4 77.3 117.3





#33
4-Chloroaniline
Concen: 24.856 ng
RT: 8.222 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Instrument :

BNA_F

ClientSampleId :

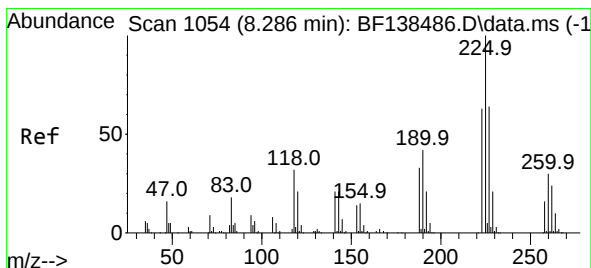
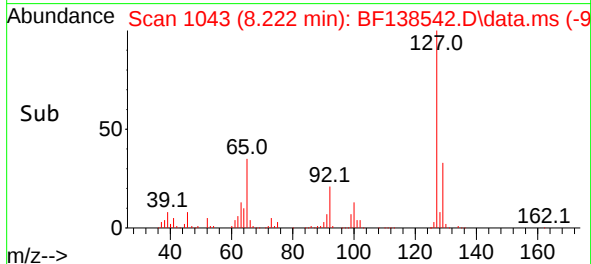
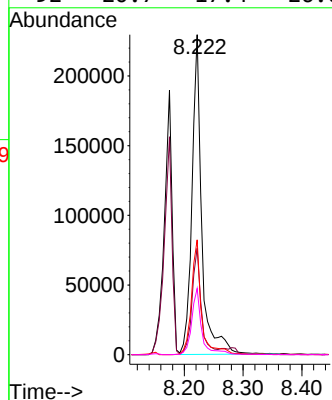
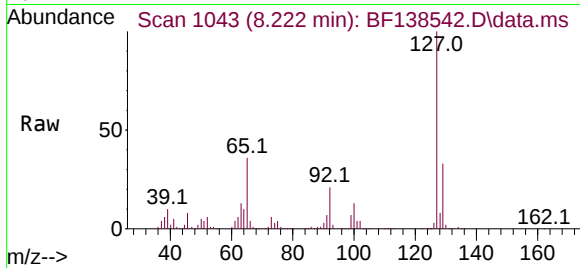
PB162009BS

Tgt Ion:127 Resp: 267038
Ion Ratio Lower Upper
127 100
129 33.3 25.6 38.4
65 35.9 29.6 44.4
92 20.7 17.4 26.0

Manual Integrations

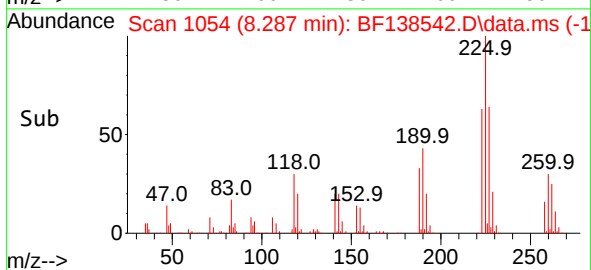
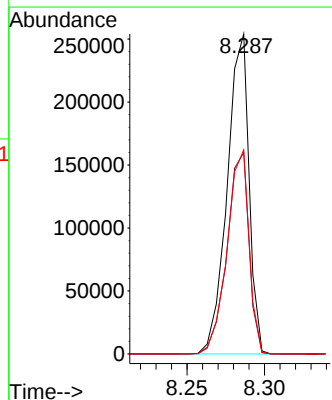
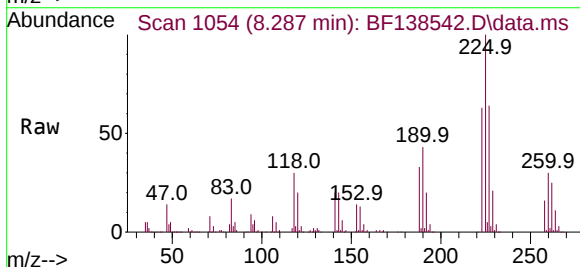
APPROVED

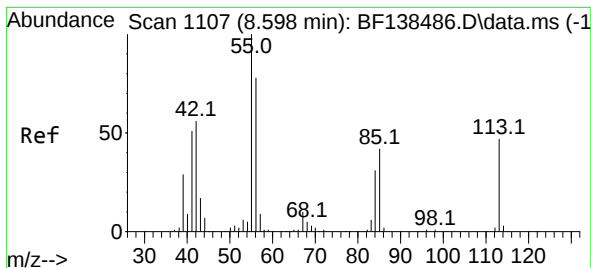
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#34
Hexachlorobutadiene
Concen: 41.572 ng
RT: 8.287 min Scan# 1054
Delta R.T. 0.000 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Tgt Ion:225 Resp: 248586
Ion Ratio Lower Upper
225 100
223 62.9 50.0 75.0
227 63.8 51.0 76.6





#35

Caprolactam

Concen: 41.096 ng m

RT: 8.622 min Scan# 1111

Delta R.T. 0.024 min

Lab File: BF138542.D

Acq: 12 Jul 2024 12:53

Instrument :

BNA_F

ClientSampleId :

PB162009BS

Tgt Ion:113 Resp: 11054

Ion Ratio Lower Upper

113 100

55 208.3 192.5 232.5

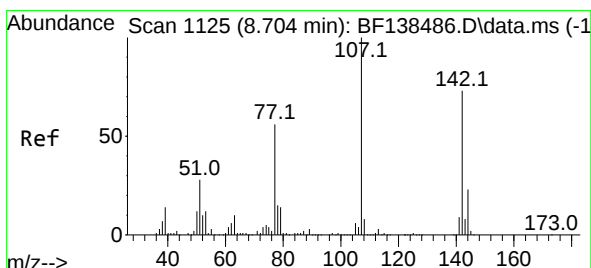
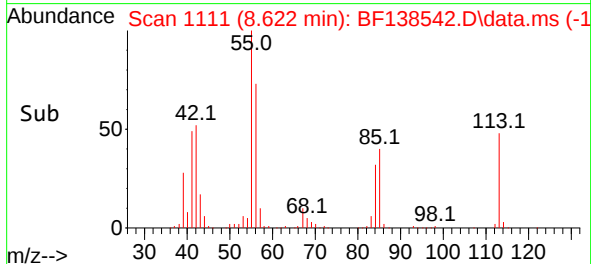
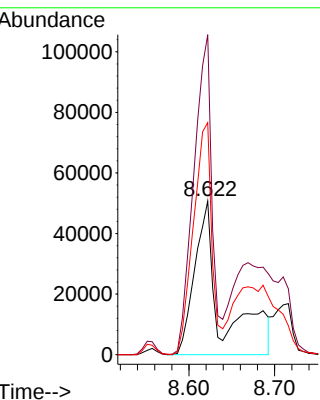
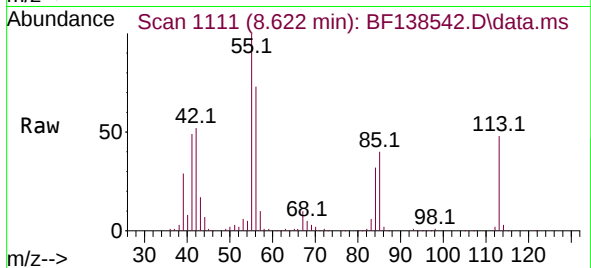
56 151.0 145.3 185.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2024

Supervised By :mohammad ahmed 07/19/2024



#36

4-Chloro-3-methylphenol

Concen: 44.698 ng

RT: 8.716 min Scan# 1127

Delta R.T. 0.012 min

Lab File: BF138542.D

Acq: 12 Jul 2024 12:53

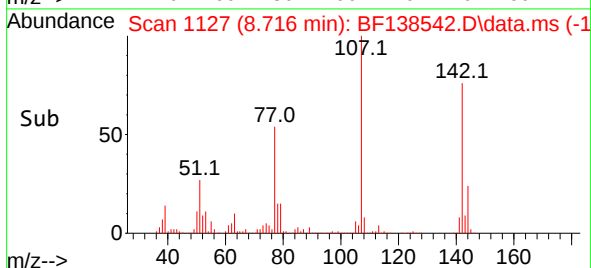
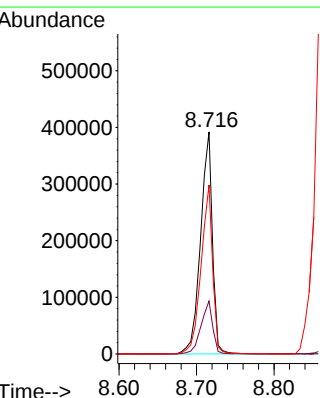
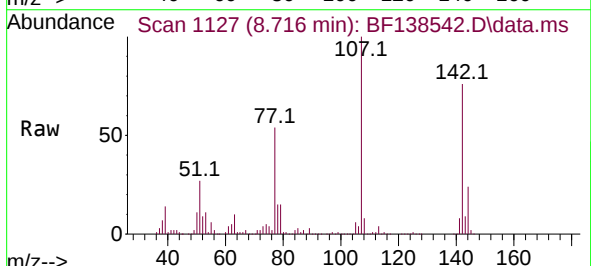
Tgt Ion:107 Resp: 417126

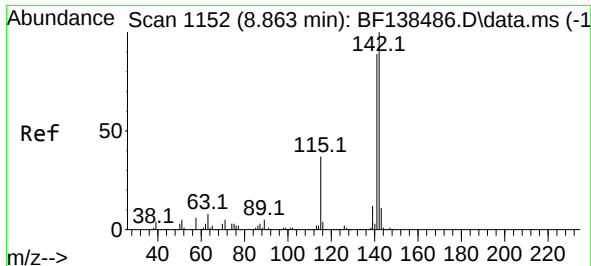
Ion Ratio Lower Upper

107 100

144 23.9 18.6 27.8

142 76.1 58.6 88.0





#37

2-Methylnaphthalene

Concen: 42.885 ng

RT: 8.863 min Scan# 1152

Delta R.T. 0.000 min

Lab File: BF138542.D

Acq: 12 Jul 2024 12:53

Instrument :

BNA_F

ClientSampleId :

PB162009BS

Tgt Ion:142 Resp: 84500

Ion Ratio Lower Upper

142 100

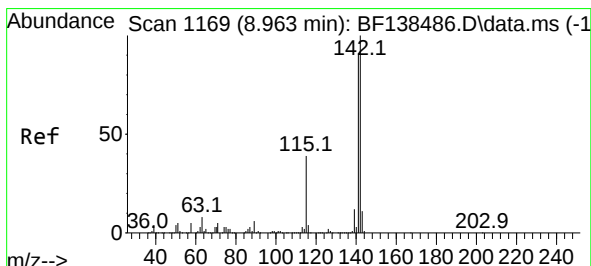
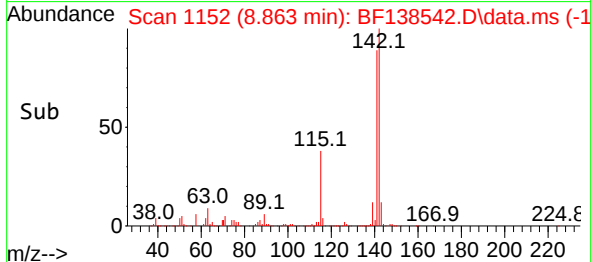
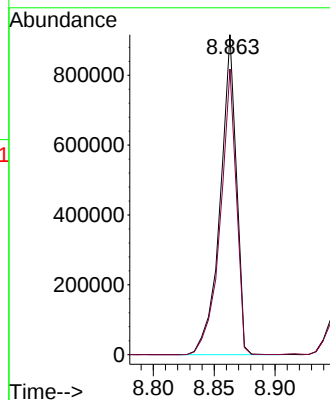
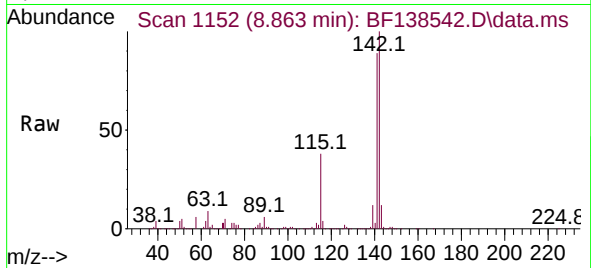
141 89.2 71.4 107.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2024

Supervised By :mohammad ahmed 07/19/2024



#38

1-Methylnaphthalene

Concen: 40.758 ng

RT: 8.963 min Scan# 1169

Delta R.T. 0.000 min

Lab File: BF138542.D

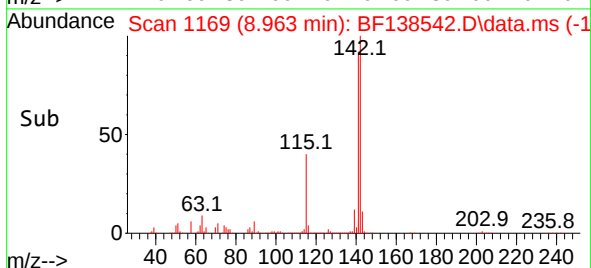
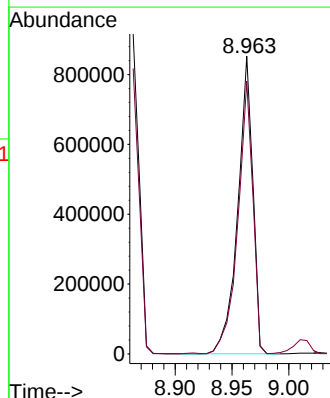
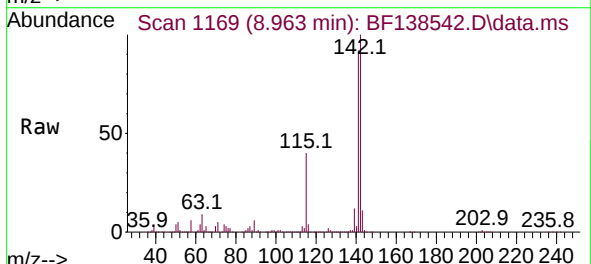
Acq: 12 Jul 2024 12:53

Tgt Ion:142 Resp: 783794

Ion Ratio Lower Upper

142 100

141 91.6 72.6 108.8





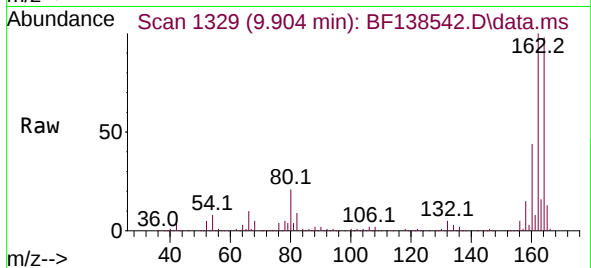
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1180
Delta R.T. 0.000 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Instrument :

BNA_F

ClientSampleId :

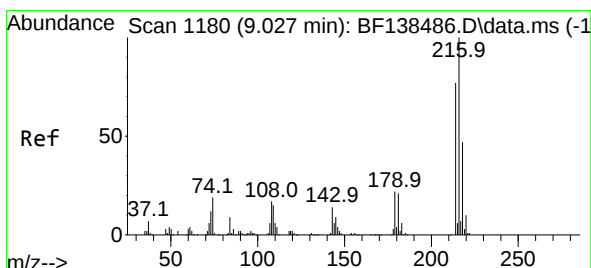
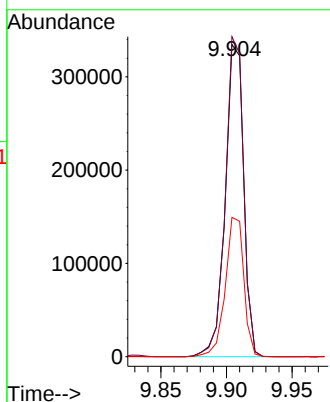
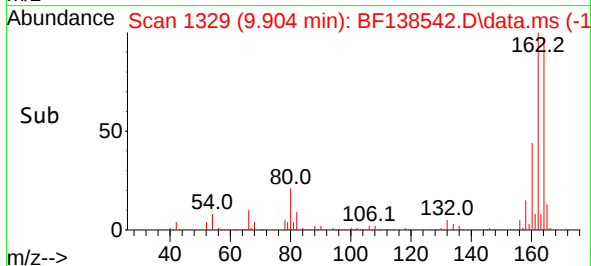
PB162009BS



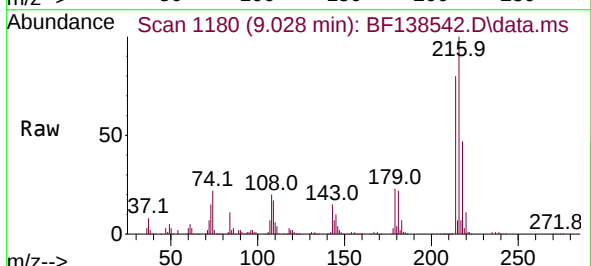
Tgt Ion:164 Resp: 32798
Ion Ratio Lower Upper
164 100
162 102.5 79.0 118.6
160 44.6 34.4 51.6

Manual Integrations
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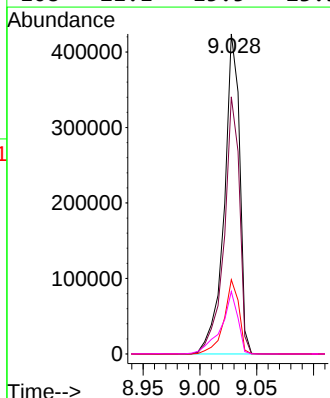
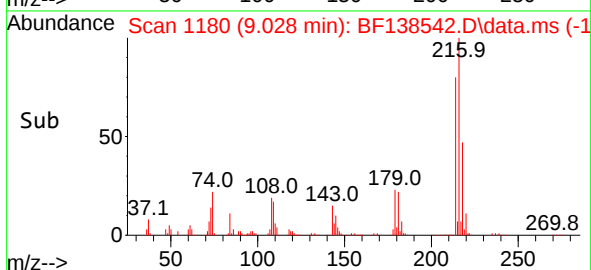
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024

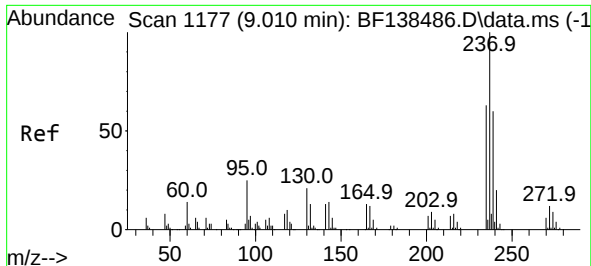


#40
1,2,4,5-Tetrachlorobenzene
Concen: 43.919 ng
RT: 9.028 min Scan# 1180
Delta R.T. 0.000 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53



Tgt Ion:216 Resp: 401469
Ion Ratio Lower Upper
216 100
214 79.3 62.8 94.2
179 22.4 17.7 26.5
108 21.1 15.5 23.3





#41
Hexachlorocyclopentadiene
Concen: 115.806 ng
RT: 9.016 min Scan# 1178
Delta R.T. 0.006 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Instrument :

BNA_F

ClientSampleId :

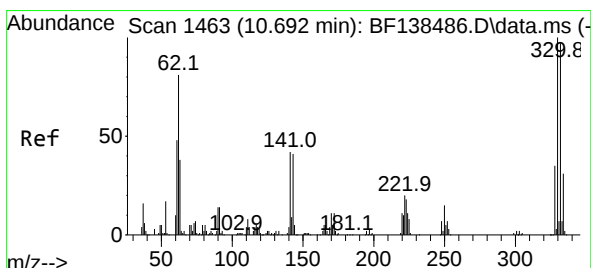
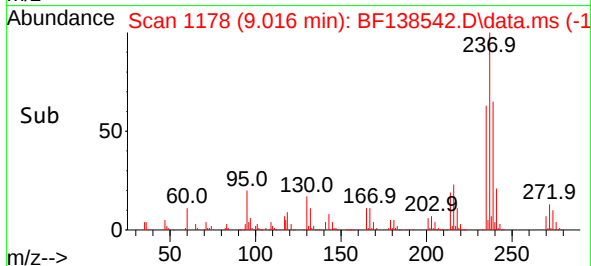
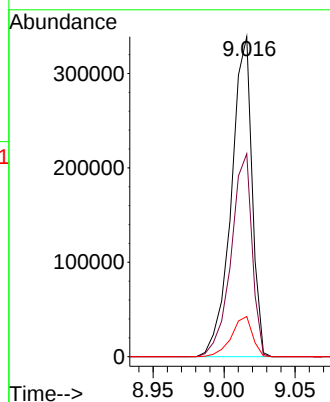
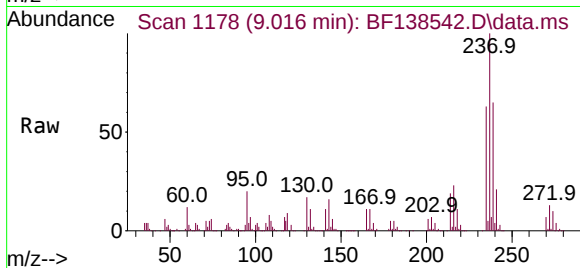
PB162009BS

Tgt Ion:237 Resp: 343604
Ion Ratio Lower Upper
237 100
235 63.4 43.3 83.3
272 12.5 0.0 32.3

Manual Integrations

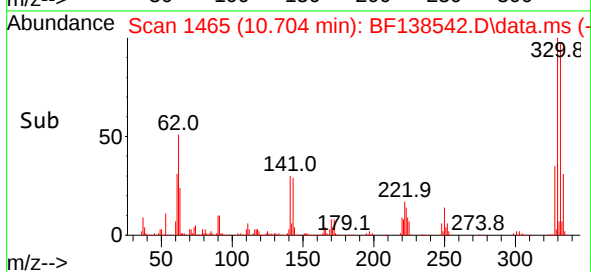
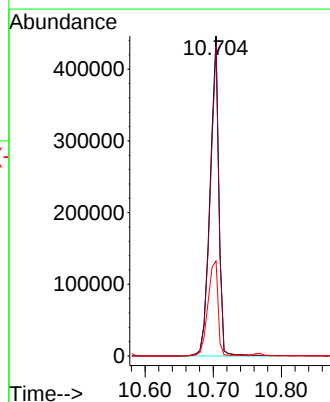
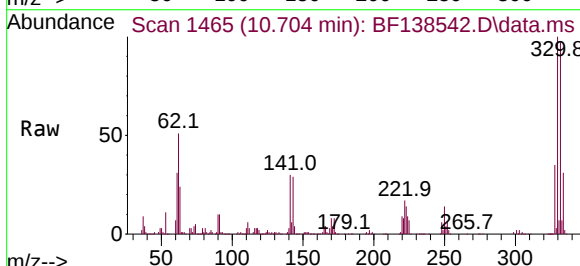
APPROVED

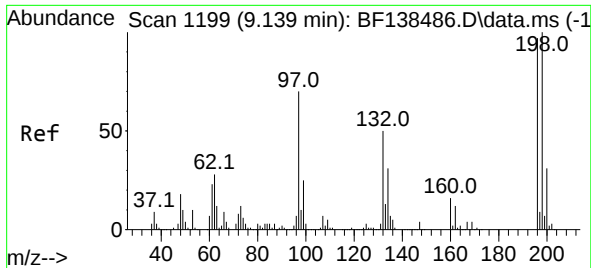
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#42
2,4,6-Tribromophenol
Concen: 130.673 ng
RT: 10.704 min Scan# 1465
Delta R.T. 0.012 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Tgt Ion:330 Resp: 400560
Ion Ratio Lower Upper
330 100
332 96.1 76.8 115.2
141 34.2 29.4 44.2





#43
2,4,6-Trichlorophenol
Concen: 45.205 ng
RT: 9.145 min Scan# 1199
Delta R.T. 0.006 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Instrument :

BNA_F

ClientSampleId :

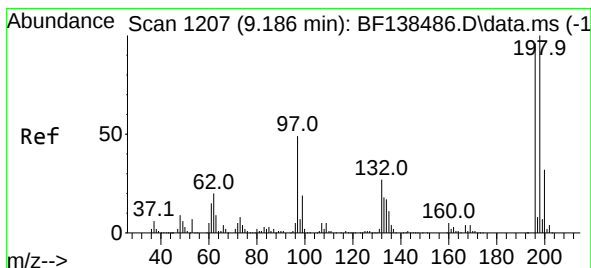
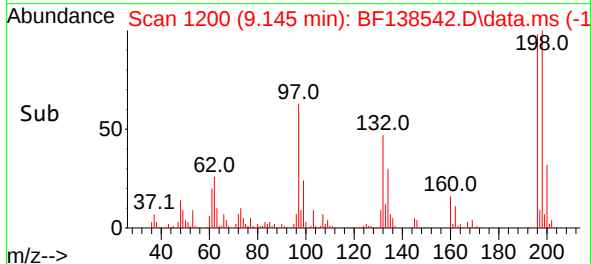
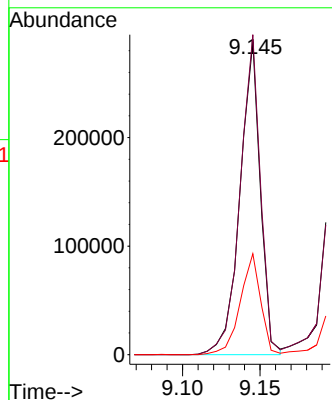
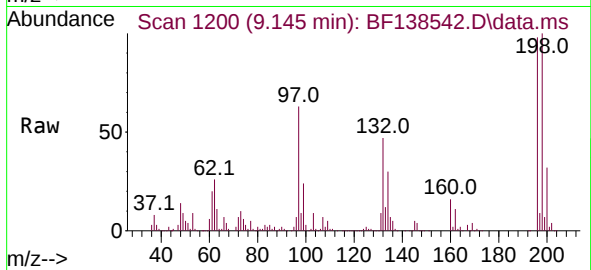
PB162009BS

Tgt Ion:196 Resp: 26359
Ion Ratio Lower Upper
196 100
198 102.2 82.3 123.5
200 32.3 25.8 38.6

Manual Integrations

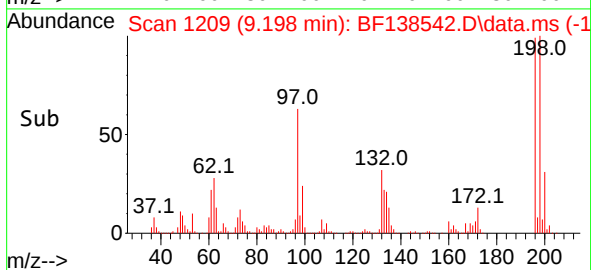
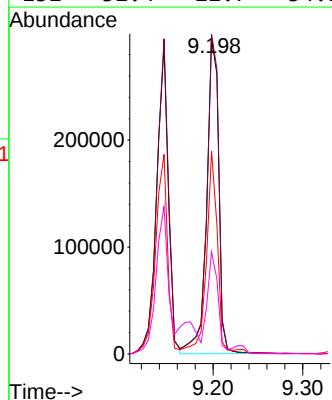
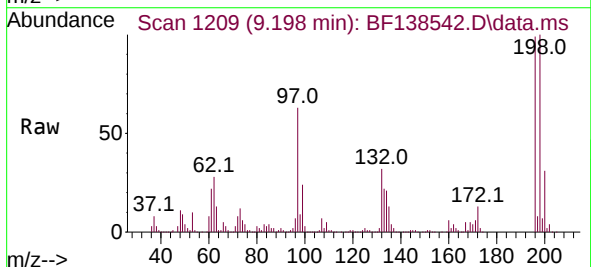
APPROVED

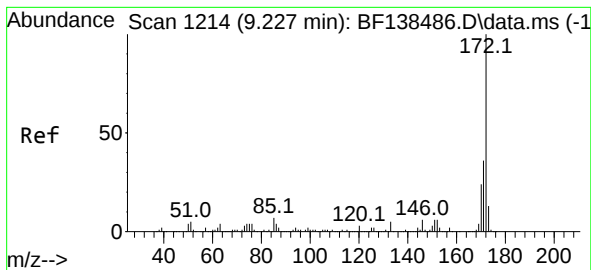
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#44
2,4,5-Trichlorophenol
Concen: 42.961 ng
RT: 9.198 min Scan# 1209
Delta R.T. 0.012 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

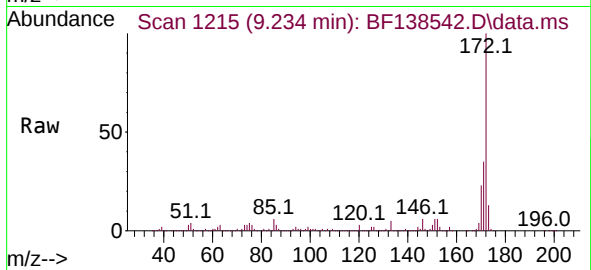
Tgt Ion:196 Resp: 275527
Ion Ratio Lower Upper
196 100
198 101.4 82.8 124.2
97 64.3 41.0 61.4#
132 32.4 22.7 34.1





#45
2-Fluorobiphenyl
Concen: 83.565 ng
RT: 9.234 min Scan# 1215
Delta R.T. 0.006 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

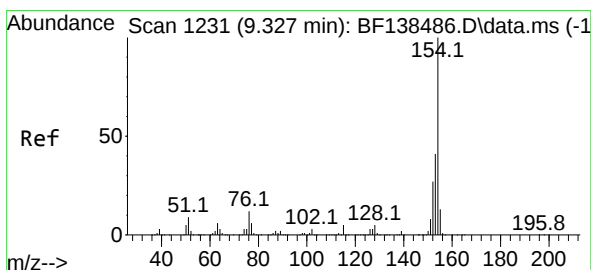
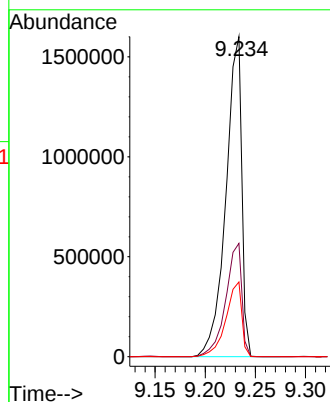
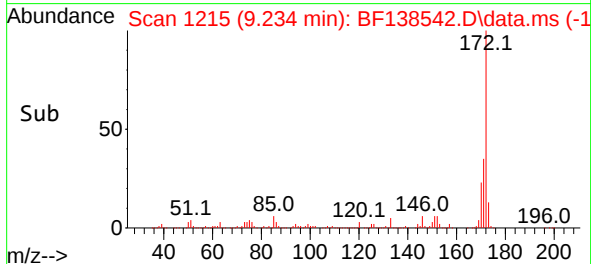
Instrument :
BNA_F
ClientSampleId :
PB162009BS



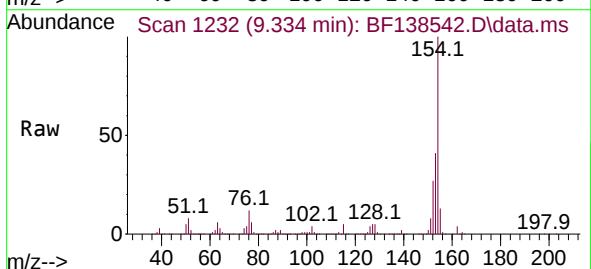
Tgt Ion:172 Resp: 175367
Ion Ratio Lower Upper
172 100
171 35.4 28.9 43.3
170 23.4 18.9 28.3

Manual Integrations
APPROVED

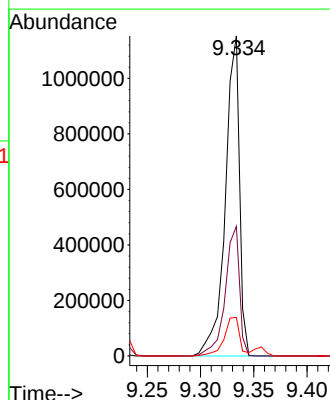
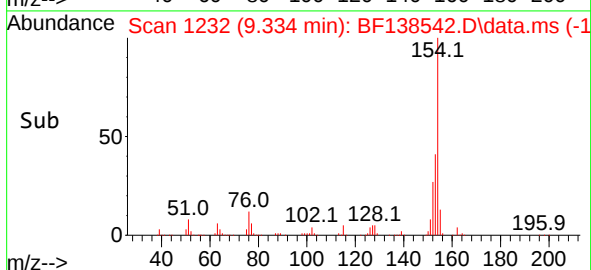
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024

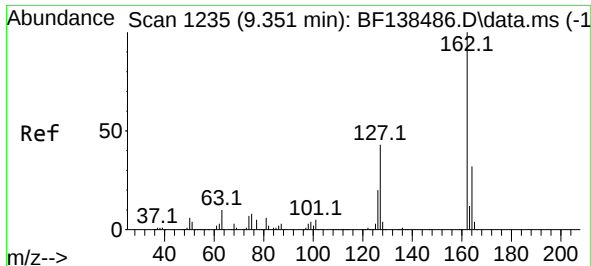


#46
1,1'-Biphenyl
Concen: 42.789 ng
RT: 9.334 min Scan# 1232
Delta R.T. 0.006 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53



Tgt Ion:154 Resp: 1063586
Ion Ratio Lower Upper
154 100
153 40.5 20.7 60.7
76 12.1 0.0 32.2





#47

2-Chloronaphthalene

Concen: 42.988 ng

RT: 9.357 min Scan# 1235

Delta R.T. 0.006 min

Lab File: BF138542.D

Acq: 12 Jul 2024 12:53

Instrument :

BNA_F

ClientSampleId :

PB162009BS

Tgt Ion:162 Resp: 807230

Ion Ratio Lower Upper

162 100

127 43.8 34.8 52.2

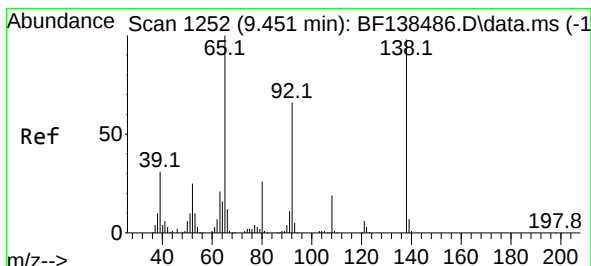
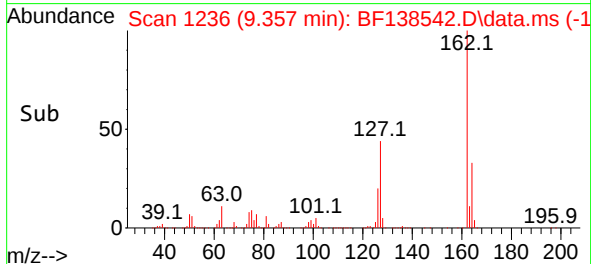
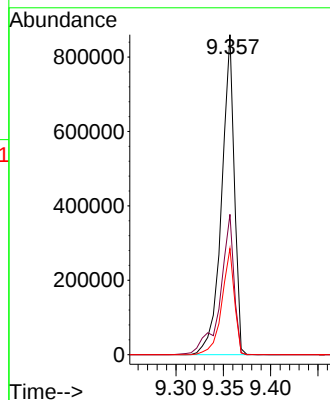
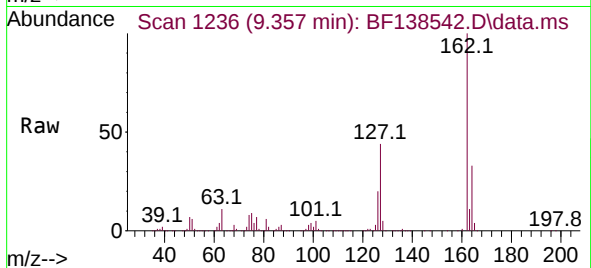
164 33.2 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2024

Supervised By :mohammad ahmed 07/19/2024



#48

2-Nitroaniline

Concen: 45.279 ng

RT: 9.457 min Scan# 1253

Delta R.T. 0.006 min

Lab File: BF138542.D

Acq: 12 Jul 2024 12:53

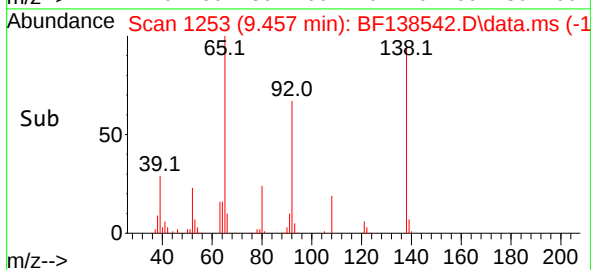
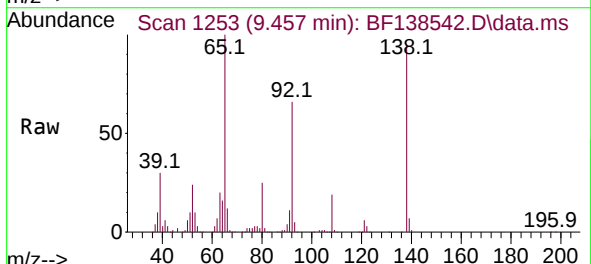
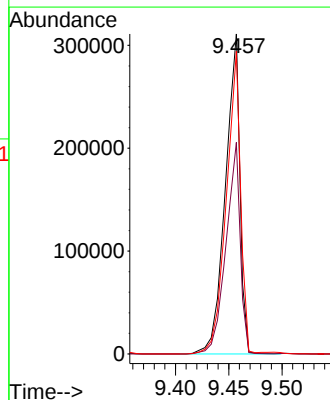
Tgt Ion: 65 Resp: 294633

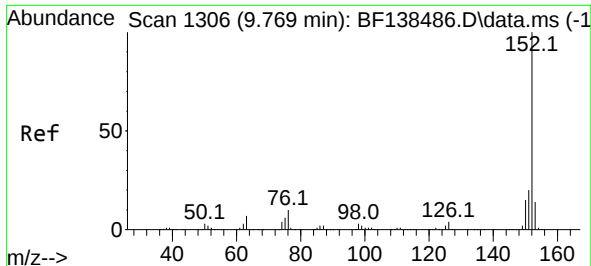
Ion Ratio Lower Upper

65 100

92 66.1 52.6 78.8

138 94.5 78.6 118.0





#49
Acenaphthylene
Concen: 46.108 ng
RT: 9.775 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Instrument :

BNA_F

ClientSampleId :

PB162009BS

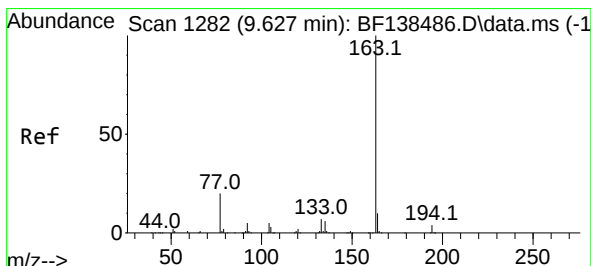
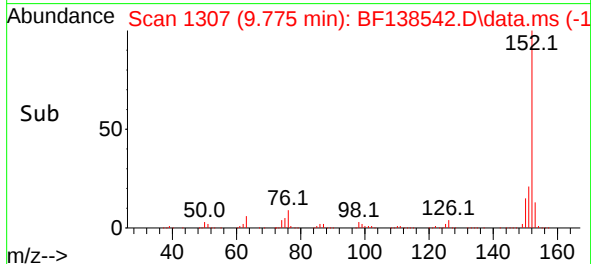
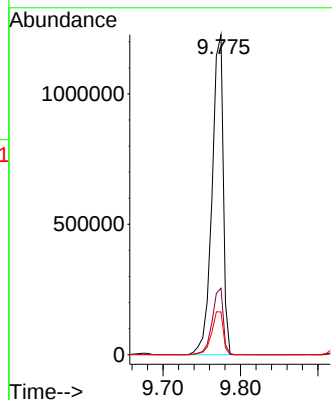
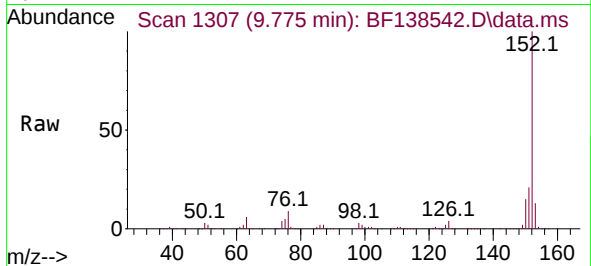
Tgt Ion:152 Resp: 122925
Ion Ratio Lower Upper
152 100
151 20.8 16.3 24.5
153 13.4 11.3 16.9

Manual Integrations

APPROVED

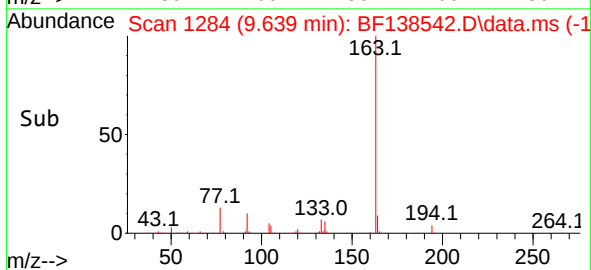
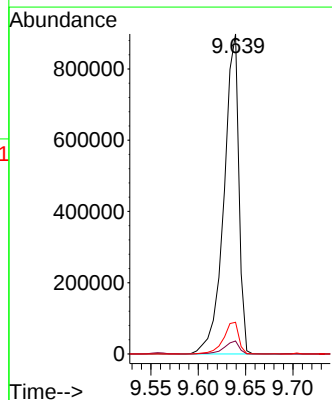
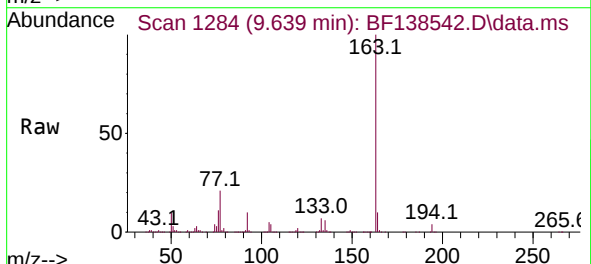
Reviewed By :Yogesh Patel 07/13/2024

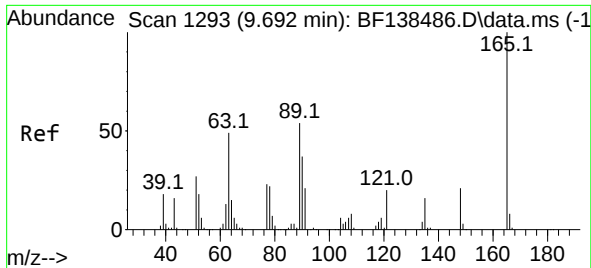
Supervised By :mohammad ahmed 07/19/2024



#50
Dimethylphthalate
Concen: 46.335 ng
RT: 9.639 min Scan# 1284
Delta R.T. 0.012 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Tgt Ion:163 Resp: 982678
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.6
164 9.9 8.1 12.1





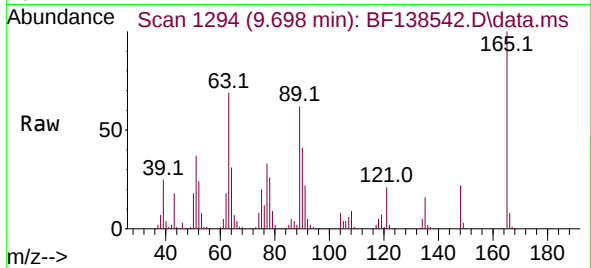
#51
2,6-Dinitrotoluene
Concen: 44.222 ng
RT: 9.698 min Scan# 1293
Delta R.T. 0.006 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Instrument :

BNA_F

ClientSampleId :

PB162009BS



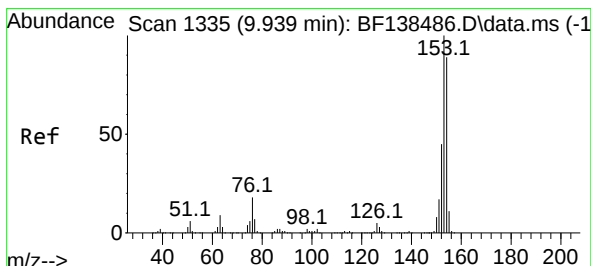
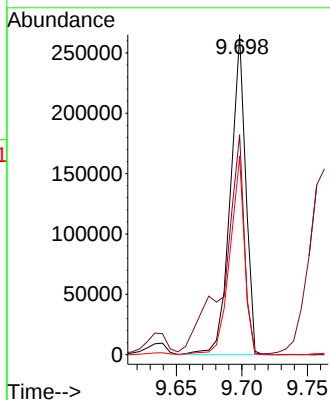
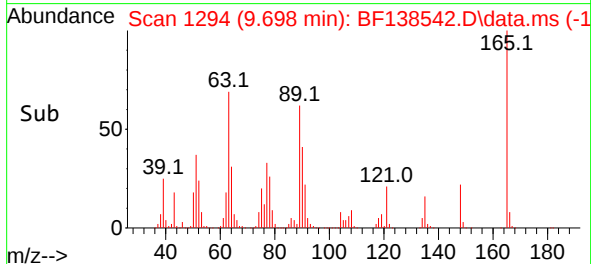
Tgt Ion:165 Resp: 215940
Ion Ratio Lower Upper
165 100
63 68.8 48.1 72.1
89 62.0 43.0 64.6

Manual Integrations

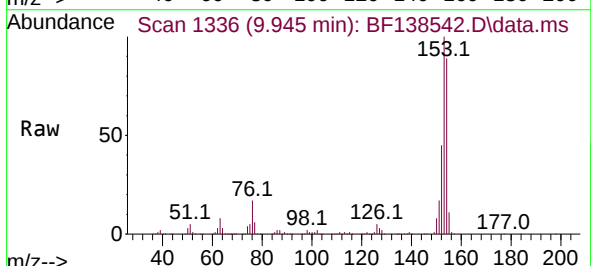
APPROVED

Reviewed By :Yogesh Patel 07/13/2024

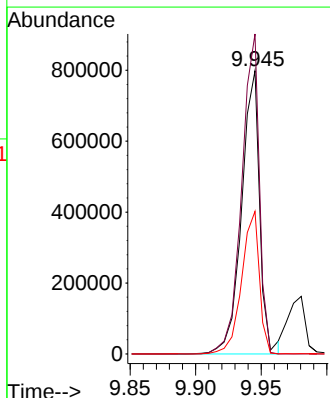
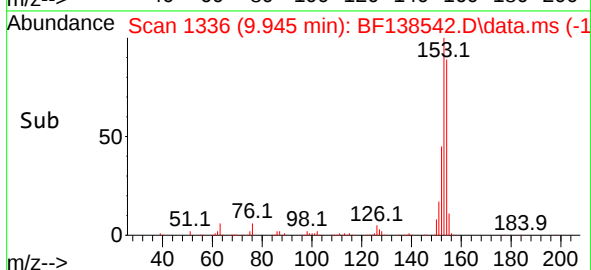
Supervised By :mohammad ahmed 07/19/2024

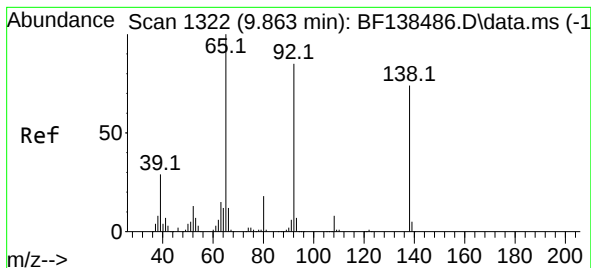


#52
Acenaphthene
Concen: 43.383 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53



Tgt Ion:154 Resp: 768814
Ion Ratio Lower Upper
154 100
153 113.0 90.4 135.6
152 50.3 41.1 61.7





#53
3-Nitroaniline
Concen: 28.751 ng
RT: 9.869 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Instrument :

BNA_F

ClientSampleId :

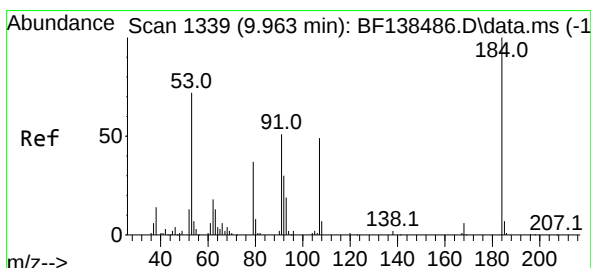
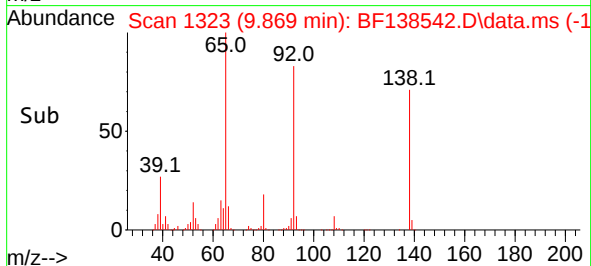
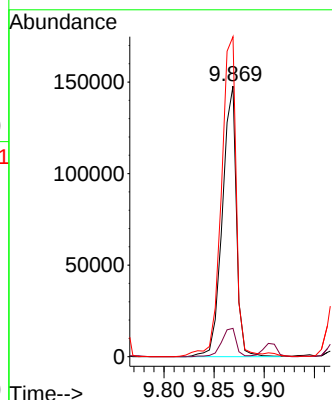
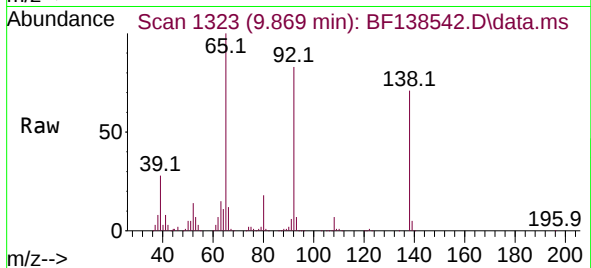
PB162009BS

Tgt Ion:138 Resp: 143890
Ion Ratio Lower Upper
138 100
108 10.5 8.3 12.5
92 118.3 92.6 138.8

Manual Integrations

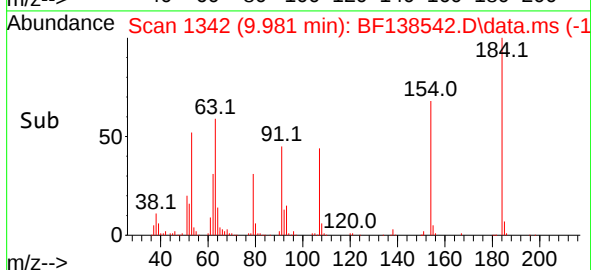
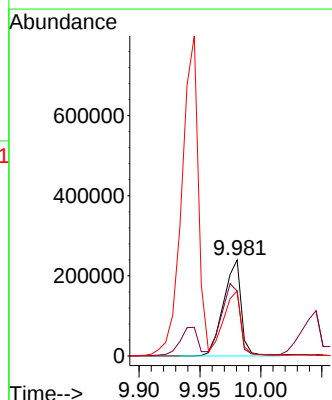
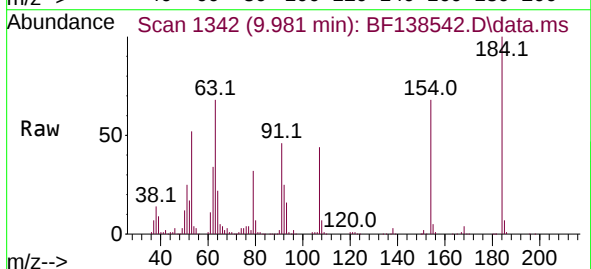
APPROVED

Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#54
2,4-Dinitrophenol
Concen: 92.153 ng
RT: 9.981 min Scan# 1342
Delta R.T. 0.018 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

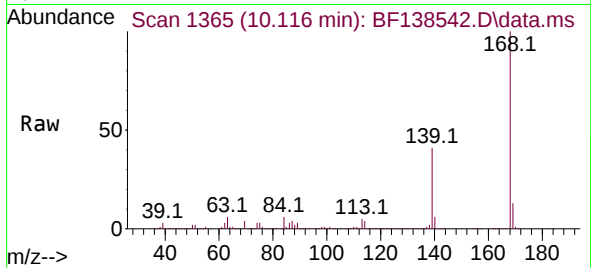
Tgt Ion:184 Resp: 243481
Ion Ratio Lower Upper
184 100
63 67.6 70.6 106.0#
154 67.8 53.8 80.6





#55
Dibenzenofuran
Concen: 43.399 ng
RT: 10.116 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

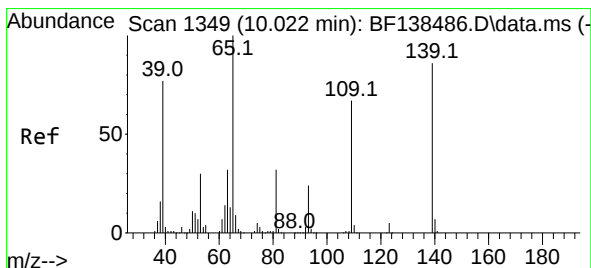
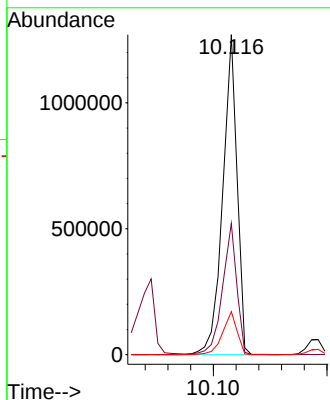
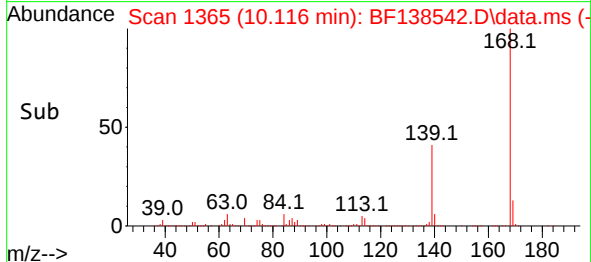
Instrument :
BNA_F
ClientSampleId :
PB162009BS



Tgt Ion:168 Resp: 111555
Ion Ratio Lower Upper
168 100
139 41.1 32.4 48.6
169 13.5 10.9 16.3

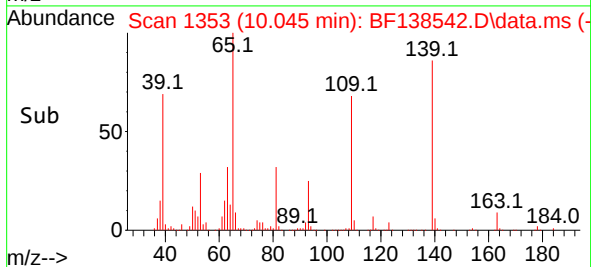
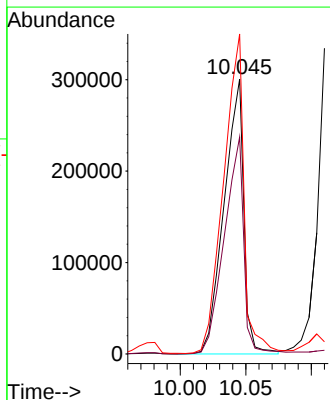
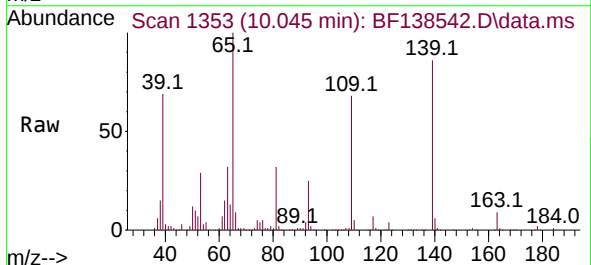
Manual Integrations
APPROVED

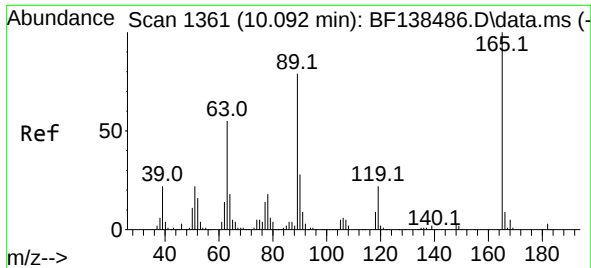
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#56
4-Nitrophenol
Concen: 84.978 ng
RT: 10.045 min Scan# 1353
Delta R.T. 0.024 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Tgt Ion:139 Resp: 313815
Ion Ratio Lower Upper
139 100
109 79.0 58.1 98.1
65 116.4 96.9 136.9





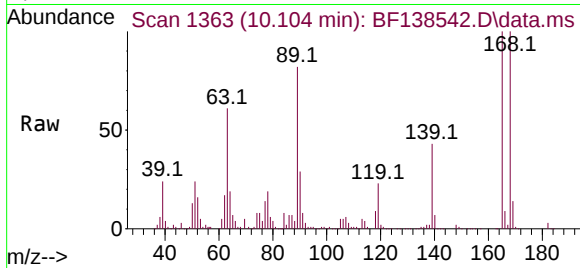
#57
2,4-Dinitrotoluene
Concen: 44.572 ng
RT: 10.104 min Scan# 1363
Delta R.T. 0.012 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Instrument :

BNA_F

ClientSampleId :

PB162009BS



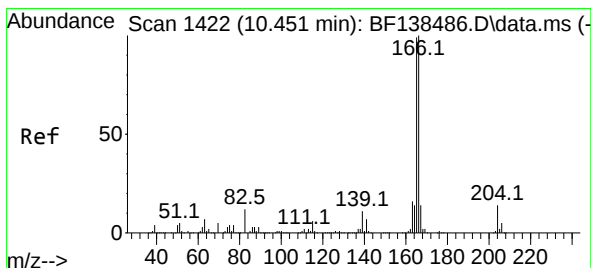
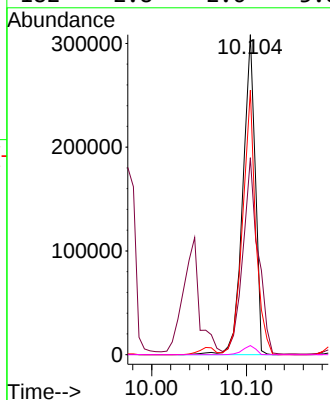
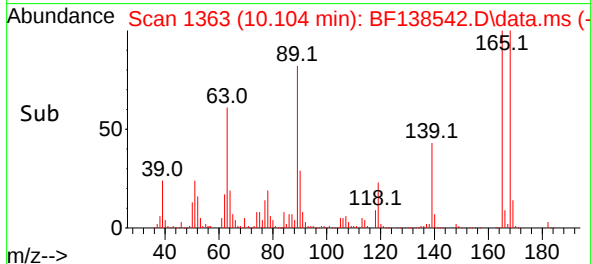
Tgt Ion:165 Resp: 281610
Ion Ratio Lower Upper
165 100
63 61.5 44.6 66.8
89 82.7 63.4 95.2
182 2.8 2.6 3.8

Manual Integrations

APPROVED

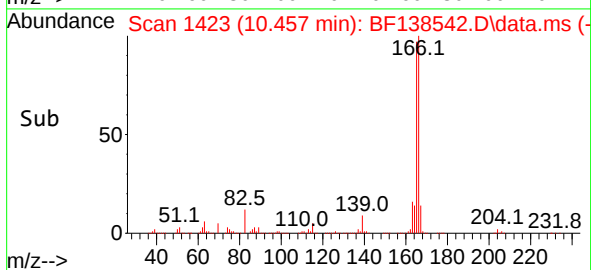
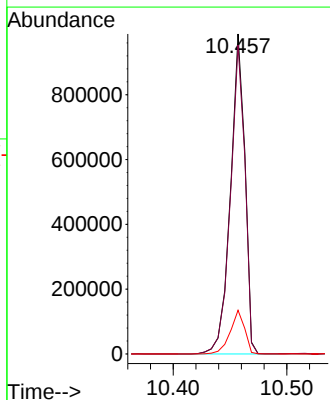
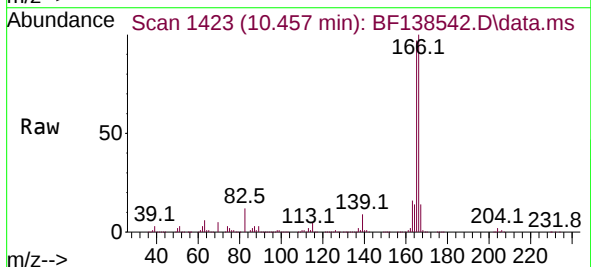
Reviewed By :Yogesh Patel 07/13/2024

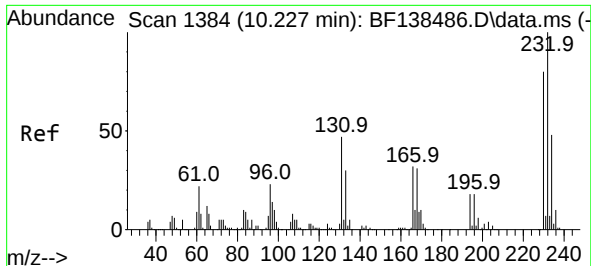
Supervised By :mohammad ahmed 07/19/2024



#58
Fluorene
Concen: 42.789 ng
RT: 10.457 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

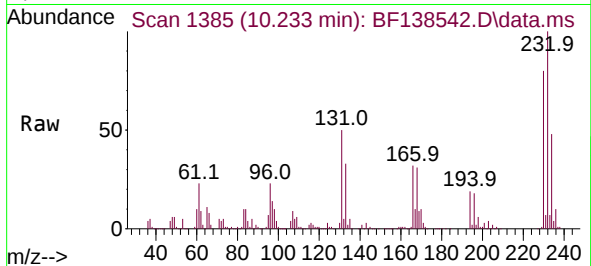
Tgt Ion:166 Resp: 870268
Ion Ratio Lower Upper
166 100
165 96.5 79.1 118.7
167 13.7 11.0 16.6





#59
2,3,4,6-Tetrachlorophenol
Concen: 46.345 ng
RT: 10.233 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

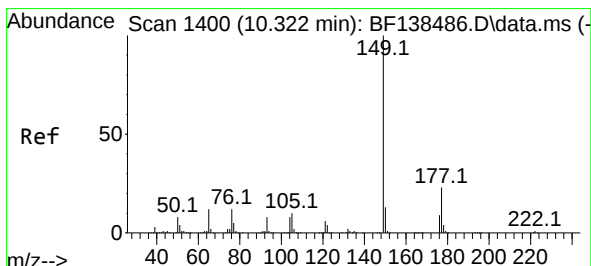
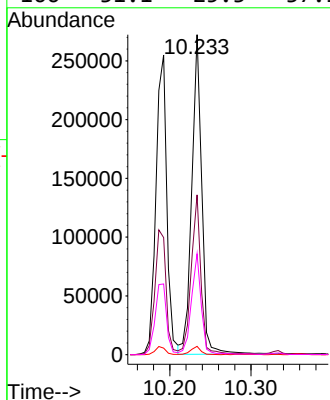
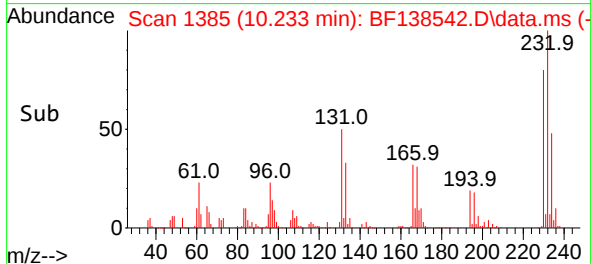
Instrument :
BNA_F
ClientSampleId :
PB162009BS



Tgt Ion:232 Resp: 234571
Ion Ratio Lower Upper
232 100
131 48.3 37.5 56.3
130 2.6 2.0 3.0
166 31.1 25.3 37.9

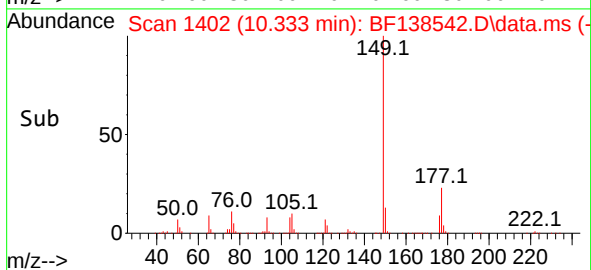
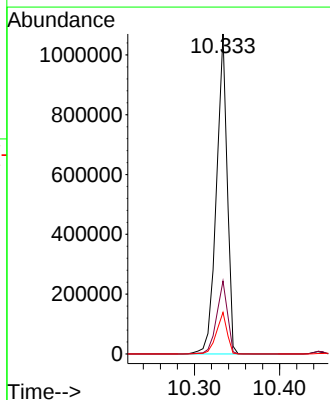
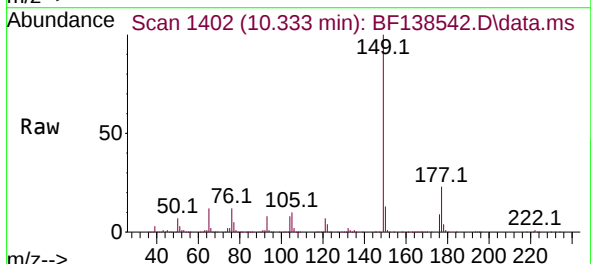
Manual Integrations
APPROVED

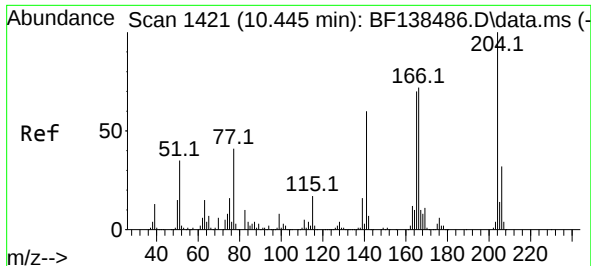
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#60
Diethylphthalate
Concen: 45.821 ng
RT: 10.333 min Scan# 1402
Delta R.T. 0.012 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

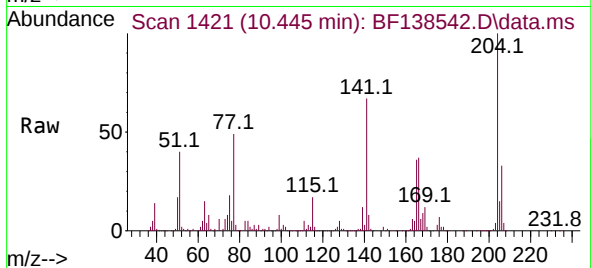
Tgt Ion:149 Resp: 936842
Ion Ratio Lower Upper
149 100
177 22.8 18.5 27.7
150 13.0 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 43.303 ng
RT: 10.445 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

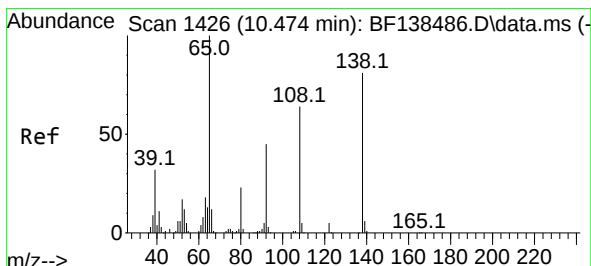
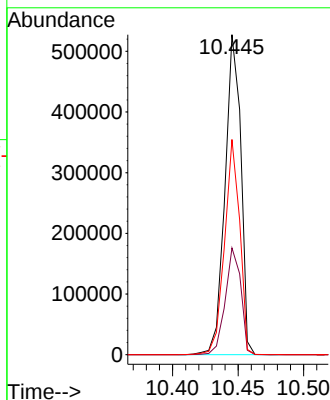
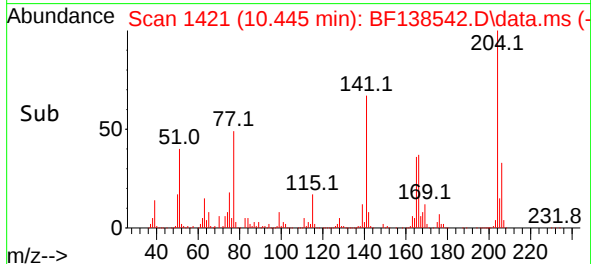
Instrument :
BNA_F
ClientSampleId :
PB162009BS



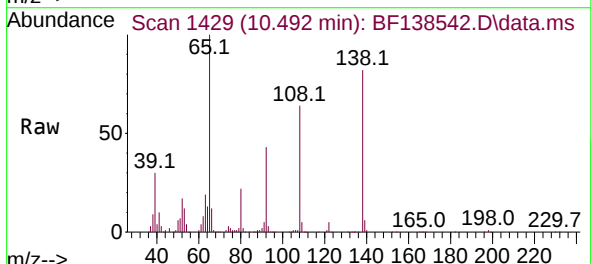
Tgt Ion:204 Resp: 44225
Ion Ratio Lower Upper
204 100
206 33.4 25.6 38.4
141 67.3 47.7 71.5

Manual Integrations
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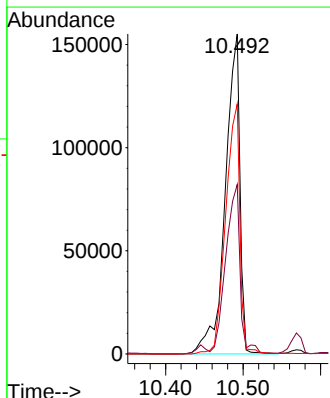
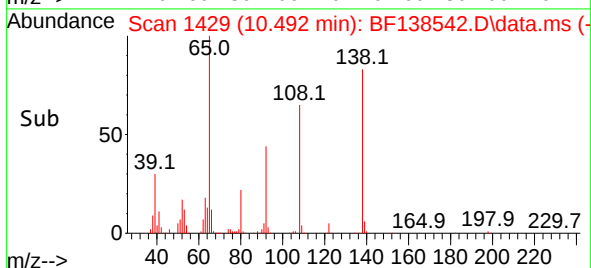
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024

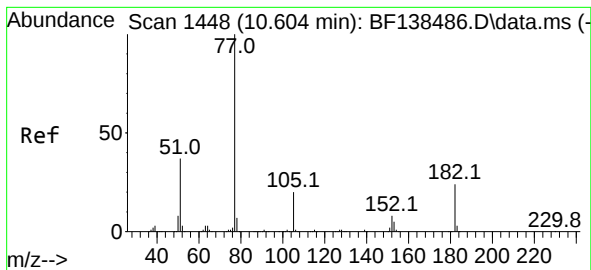


#62
4-Nitroaniline
Concen: 40.555 ng
RT: 10.492 min Scan# 1429
Delta R.T. 0.018 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53



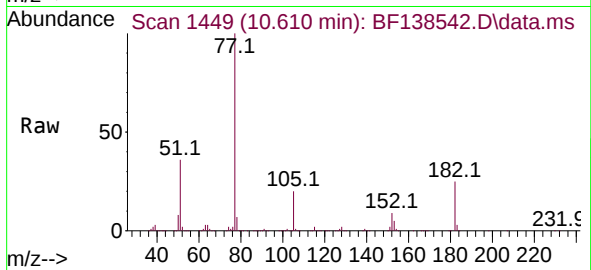
Tgt Ion:138 Resp: 203395
Ion Ratio Lower Upper
138 100
92 52.9 35.8 75.8
108 78.2 59.8 99.8





#63
Azobenzene
Concen: 44.794 ng
RT: 10.610 min Scan# 1448
Delta R.T. 0.006 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

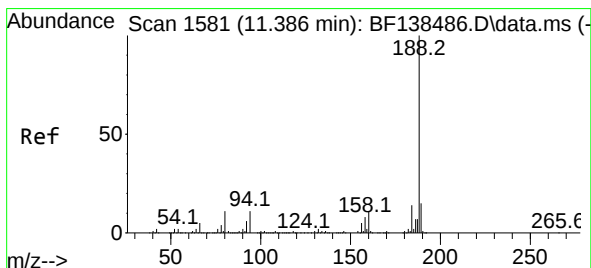
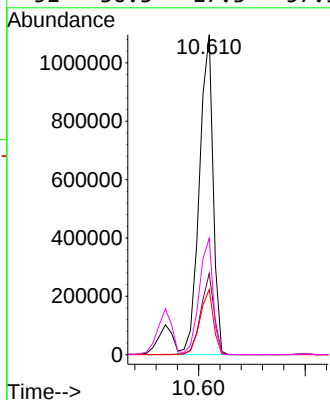
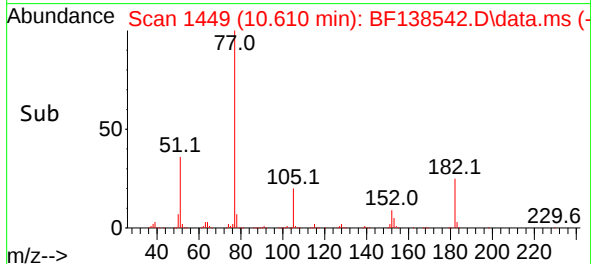
Instrument :
BNA_F
ClientSampleId :
PB162009BS



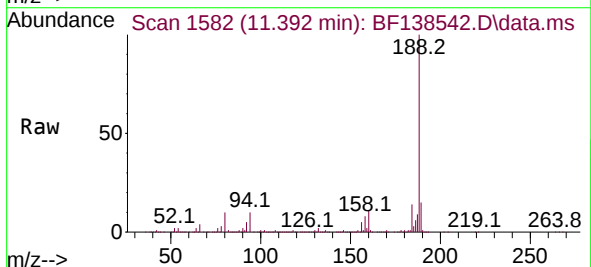
Tgt Ion: 77 Resp: 98465
Ion Ratio Lower Upper
77 100
182 25.4 3.8 43.8
105 20.3 0.0 39.8
51 36.3 17.3 57.3

Manual Integrations
APPROVED

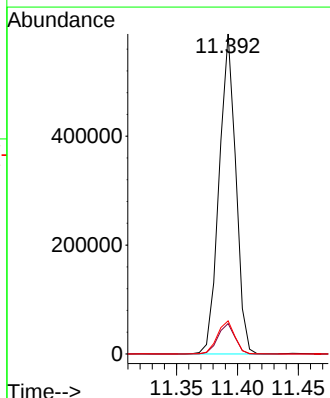
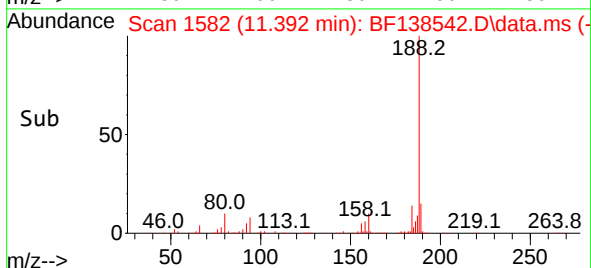
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024

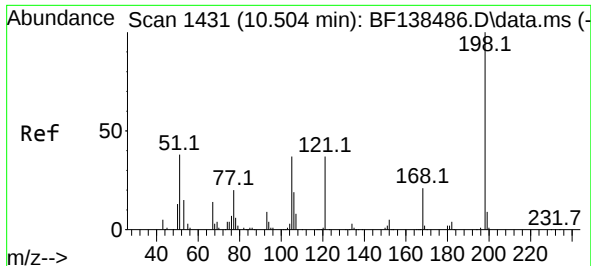


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.006 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53



Tgt Ion:188 Resp: 561808
Ion Ratio Lower Upper
188 100
94 9.5 8.7 13.1
80 10.3 9.0 13.4





#65
4,6-Dinitro-2-methylphenol
Concen: 52.091 ng
RT: 10.516 min Scan# 1433
Delta R.T. 0.012 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Instrument :

BNA_F

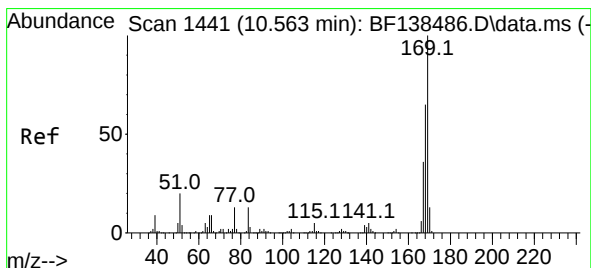
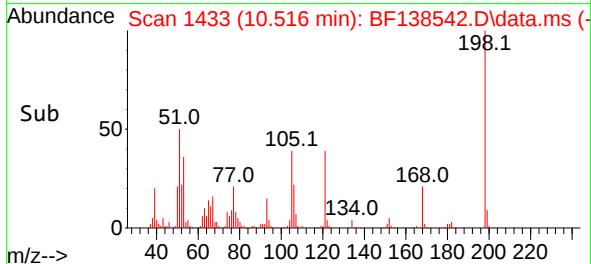
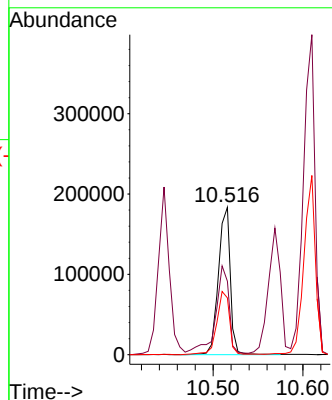
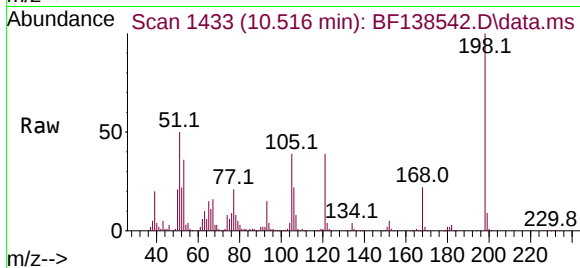
ClientSampleId :

PB162009BS

Tgt Ion:198 Resp: 168979
Ion Ratio Lower Upper
198 100
51 49.8 27.2 67.2
105 38.6 18.5 58.5

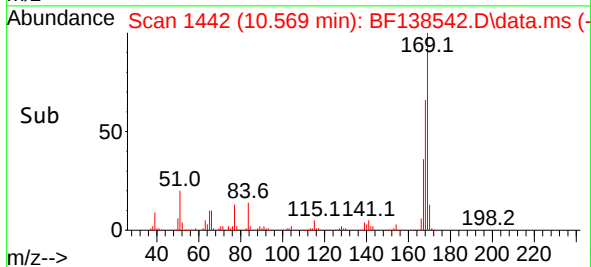
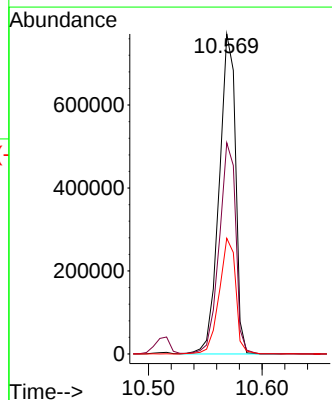
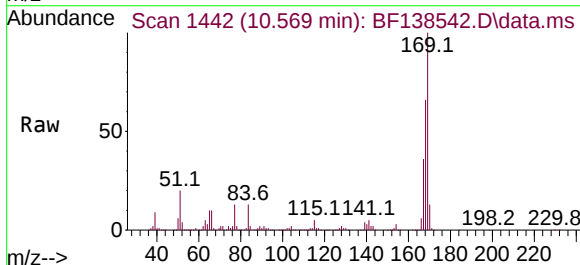
Manual Integrations
APPROVED

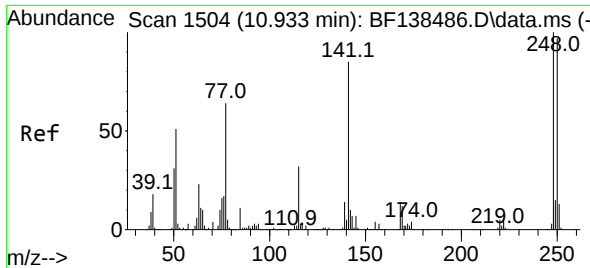
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#66
n-Nitrosodiphenylamine
Concen: 45.845 ng
RT: 10.569 min Scan# 1442
Delta R.T. 0.006 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Tgt Ion:169 Resp: 771668
Ion Ratio Lower Upper
169 100
168 66.0 51.7 77.5
167 36.1 28.5 42.7





#67
4-Bromophenyl-phenylether
Concen: 46.015 ng
RT: 10.939 min Scan# 1504
Delta R.T. 0.006 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Instrument :

BNA_F

ClientSampleId :

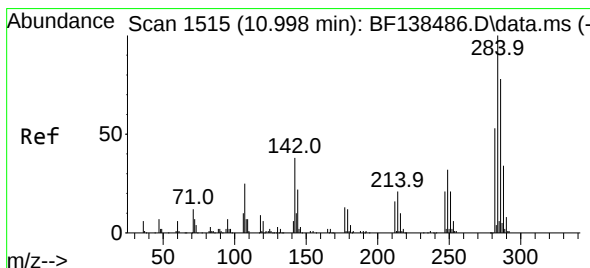
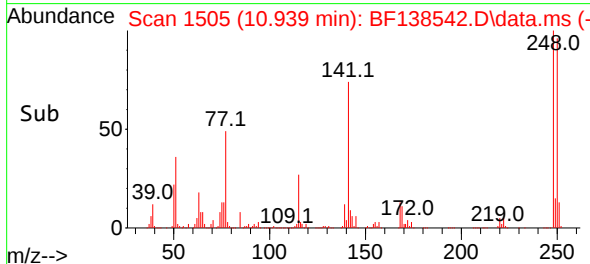
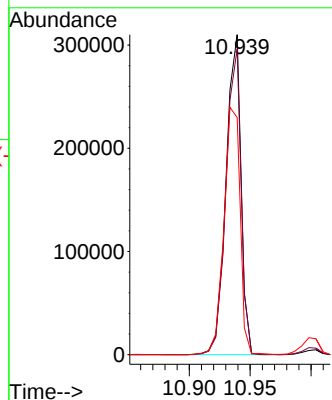
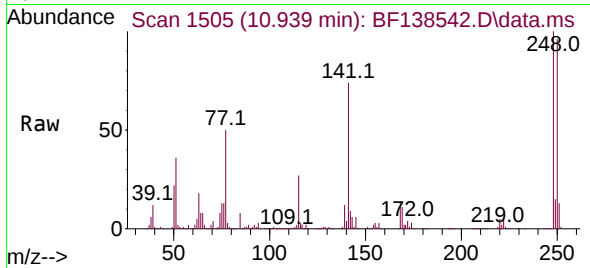
PB162009BS

Tgt Ion:248 Resp: 265708
Ion Ratio Lower Upper
248 100
250 95.6 77.9 116.9
141 74.1 67.7 101.5

Manual Integrations

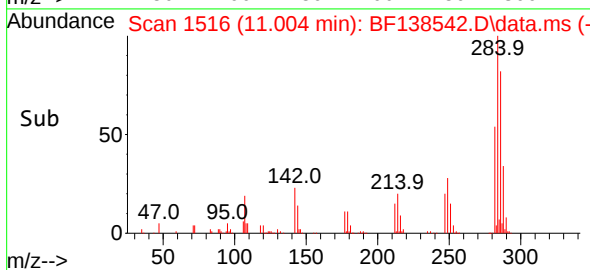
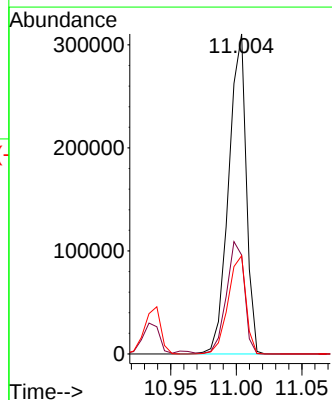
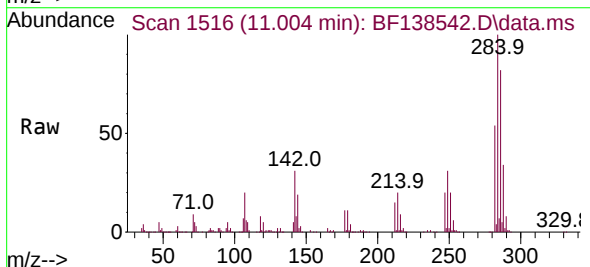
APPROVED

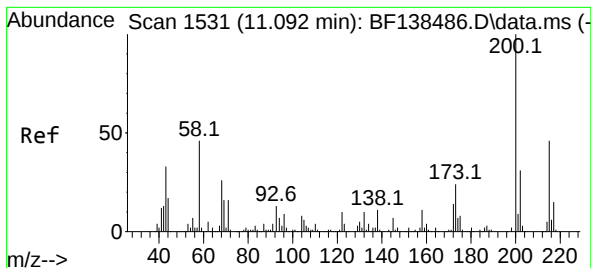
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#68
Hexachlorobenzene
Concen: 45.118 ng
RT: 11.004 min Scan# 1516
Delta R.T. 0.006 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Tgt Ion:284 Resp: 289424
Ion Ratio Lower Upper
284 100
142 30.9 30.5 45.7
249 30.7 25.9 38.9





#69

Atrazine

Concen: 40.382 ng

RT: 11.098 min Scan# 1531

Delta R.T. 0.006 min

Lab File: BF138542.D

Acq: 12 Jul 2024 12:53

Instrument :

BNA_F

ClientSampleId :

PB162009BS

Tgt Ion:200 Resp: 225359

Ion Ratio Lower Upper

200 100

173 24.8 4.1 44.1

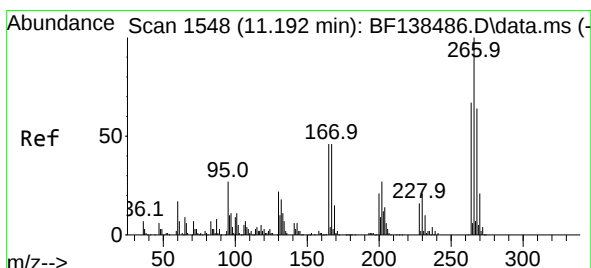
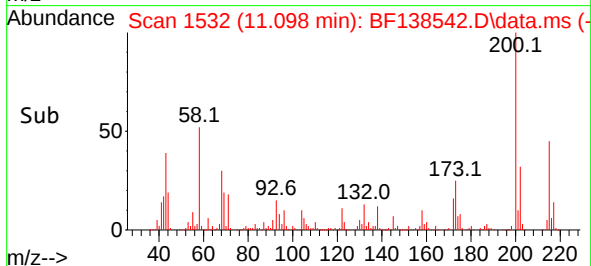
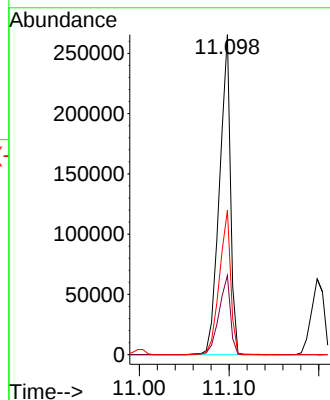
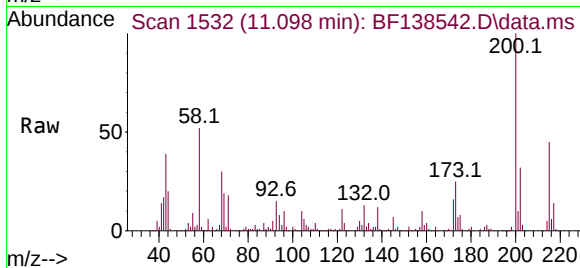
215 45.1 26.5 66.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2024

Supervised By :mohammad ahmed 07/19/2024



#70

Pentachlorophenol

Concen: 88.459 ng

RT: 11.198 min Scan# 1549

Delta R.T. 0.006 min

Lab File: BF138542.D

Acq: 12 Jul 2024 12:53

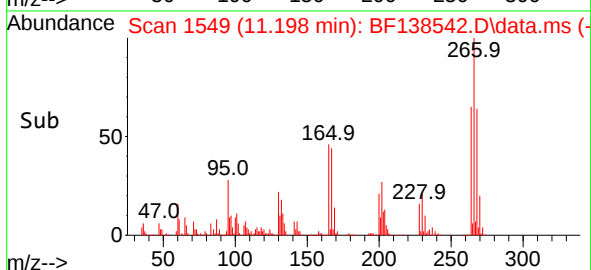
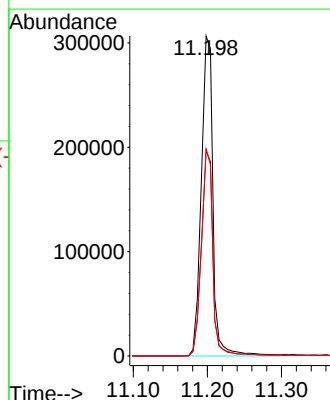
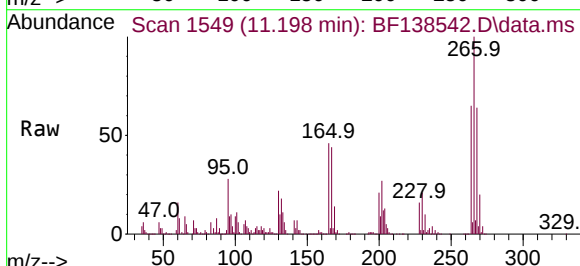
Tgt Ion:266 Resp: 335775

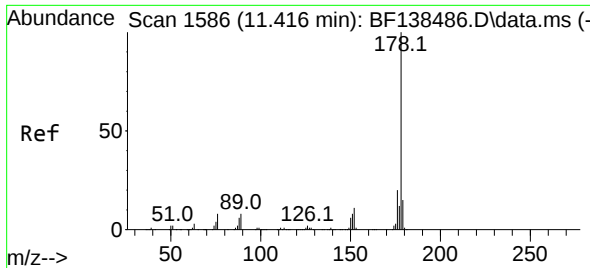
Ion Ratio Lower Upper

266 100

268 64.3 50.9 76.3

264 64.7 53.5 80.3





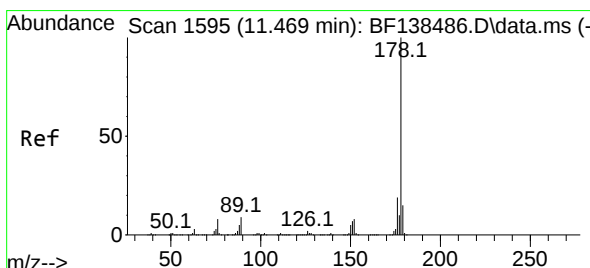
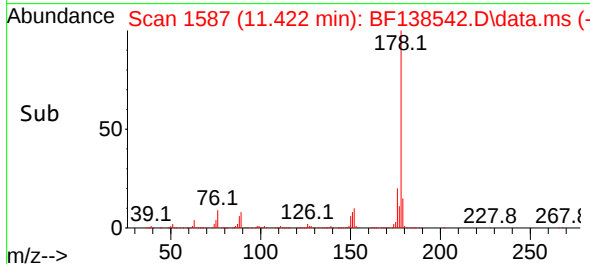
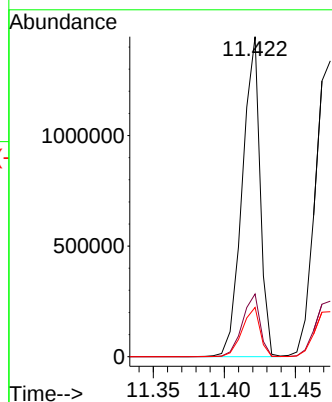
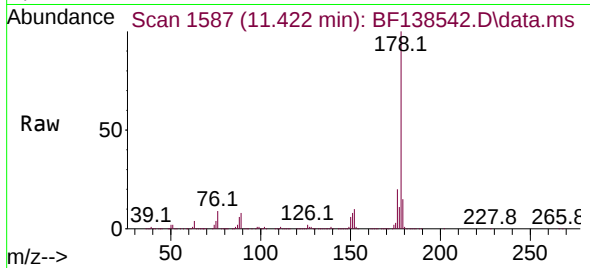
#71
Phenanthrene
Concen: 44.570 ng
RT: 11.422 min Scan# 1586
Delta R.T. 0.006 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Instrument :
BNA_F
ClientSampleId :
PB162009BS

Tgt Ion:178 Resp: 1265030
Ion Ratio Lower Upper
178 100
176 19.6 15.7 23.5
179 15.4 12.2 18.2

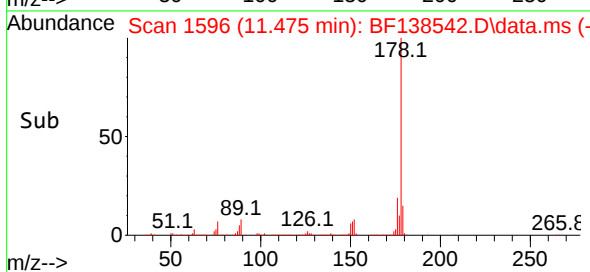
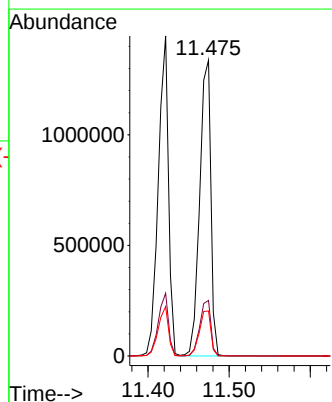
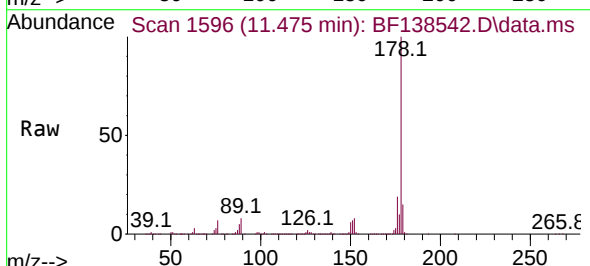
Manual Integrations
APPROVED

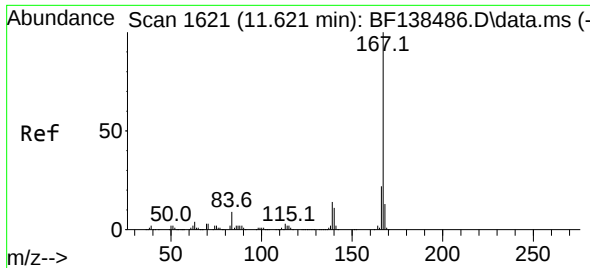
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#72
Anthracene
Concen: 45.409 ng
RT: 11.475 min Scan# 1596
Delta R.T. 0.006 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

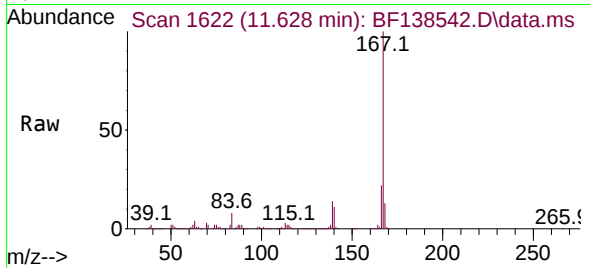
Tgt Ion:178 Resp: 1279372
Ion Ratio Lower Upper
178 100
176 18.8 14.8 22.2
179 15.2 12.2 18.4





#73
Carbazole
Concen: 41.814 ng
RT: 11.628 min Scan# 1621
Delta R.T. 0.006 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

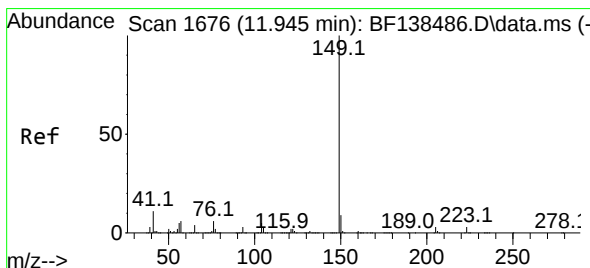
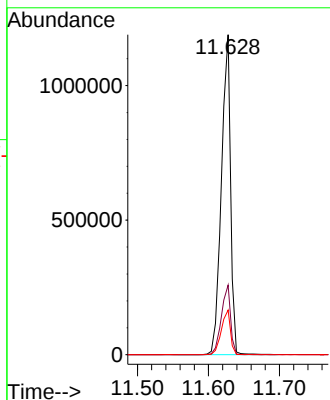
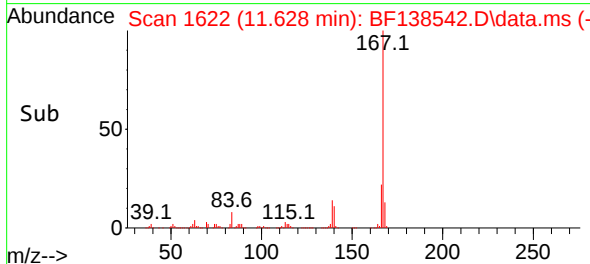
Instrument :
BNA_F
ClientSampleId :
PB162009BS



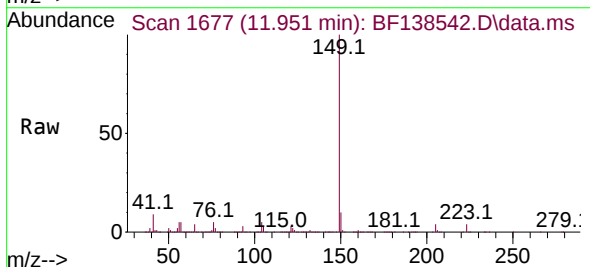
Tgt Ion:167 Resp: 1058710
Ion Ratio Lower Upper
167 100
166 21.8 17.8 26.6
139 13.9 11.0 16.4

Manual Integrations
APPROVED

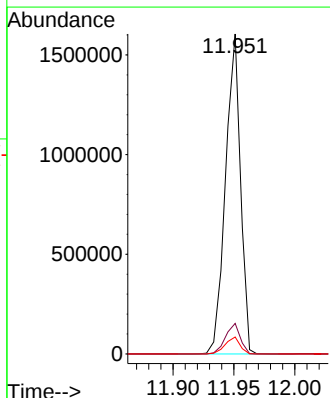
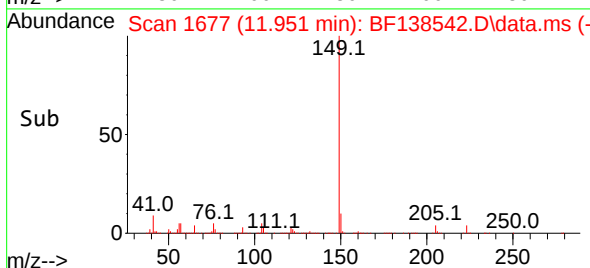
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024

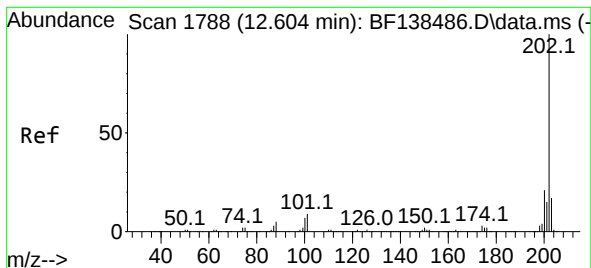


#74
Di-n-butylphthalate
Concen: 47.023 ng
RT: 11.951 min Scan# 1677
Delta R.T. 0.006 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53



Tgt Ion:149 Resp: 1372375
Ion Ratio Lower Upper
149 100
150 9.5 7.4 11.0
104 5.3 4.4 6.6





#75

Fluoranthene

Concen: 40.850 ng

RT: 12.604 min Scan# 11

Delta R.T. 0.000 min

Lab File: BF138542.D

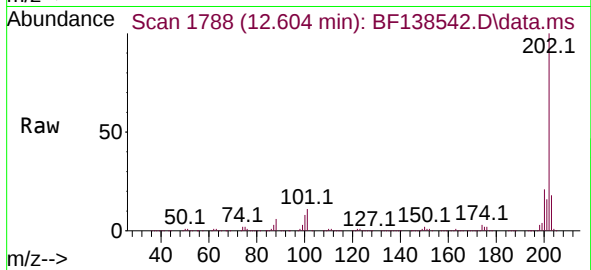
Acq: 12 Jul 2024 12:53

Instrument :

BNA_F

ClientSampleId :

PB162009BS



Tgt Ion:202 Resp: 1183080

Ion Ratio Lower Upper

202 100

101 11.0 0.0 29.2

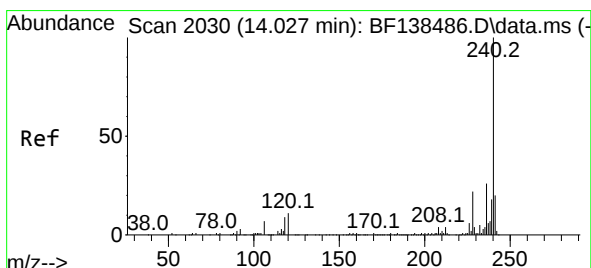
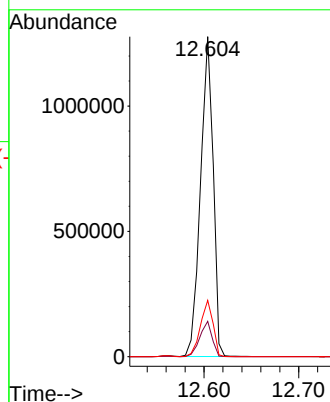
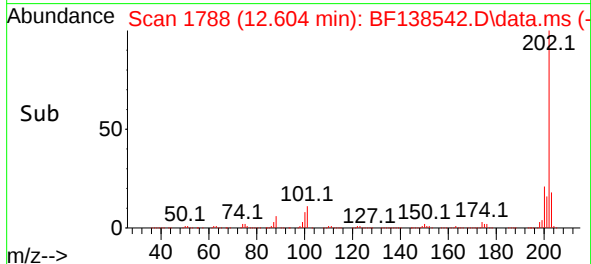
203 17.6 0.0 37.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2024

Supervised By :mohammad ahmed 07/19/2024



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.027 min Scan# 2030

Delta R.T. 0.000 min

Lab File: BF138542.D

Acq: 12 Jul 2024 12:53

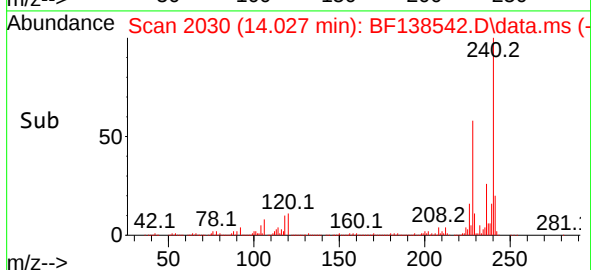
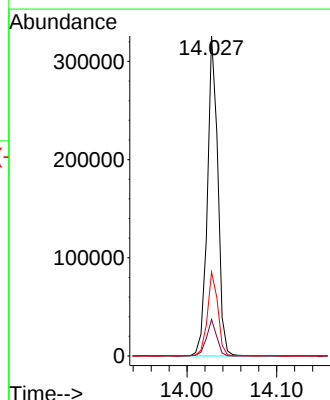
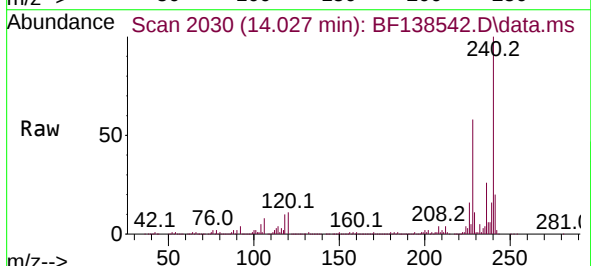
Tgt Ion:240 Resp: 263280

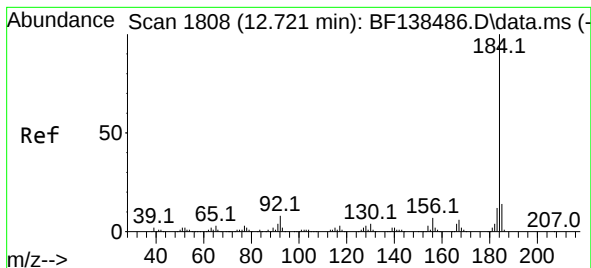
Ion Ratio Lower Upper

240 100

120 11.4 8.6 12.8

236 26.2 21.0 31.6





#77

Benzidine

Concen: 7.790 ng

RT: 12.722 min Scan# 1808

Delta R.T. 0.001 min

Lab File: BF138542.D

Acq: 12 Jul 2024 12:53

Instrument :

BNA_F

ClientSampleId :

PB162009BS

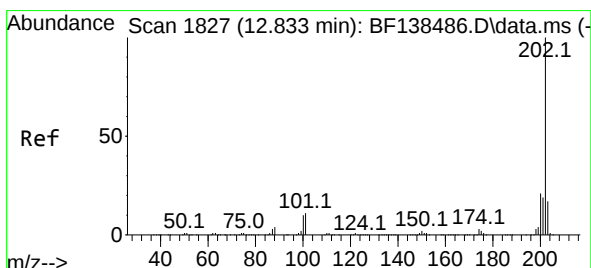
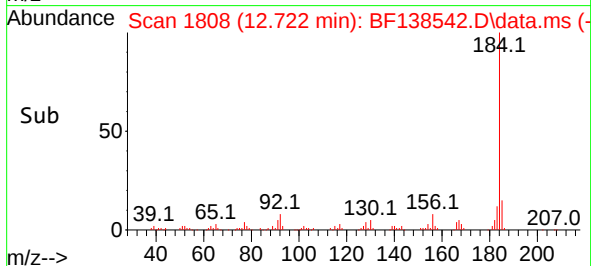
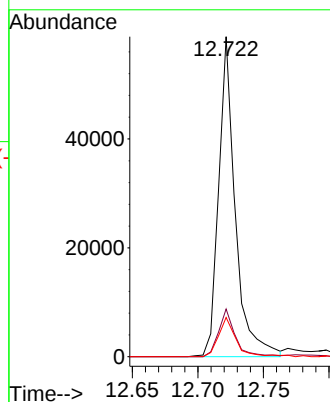
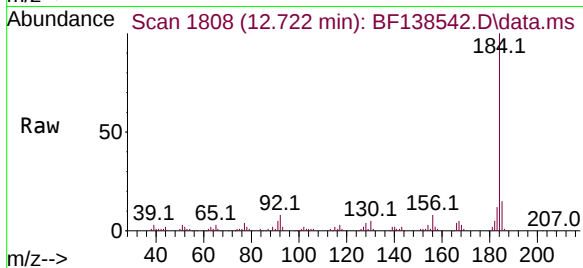
Tgt Ion:184	Resp: 5174
Ion Ratio	Lower Upper
184 100	
185 14.9	11.3 16.9
183 12.3	9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2024

Supervised By :mohammad ahmed 07/19/2024



#78

Pyrene

Concen: 43.963 ng

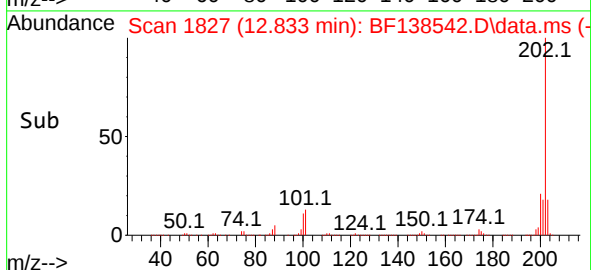
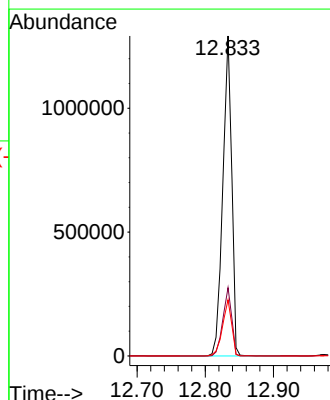
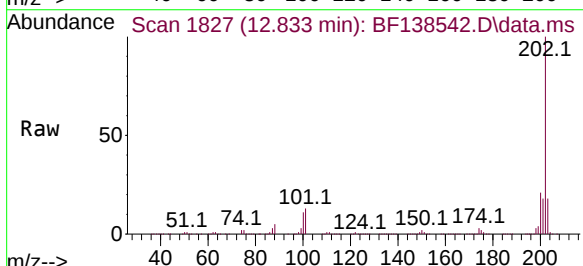
RT: 12.833 min Scan# 1827

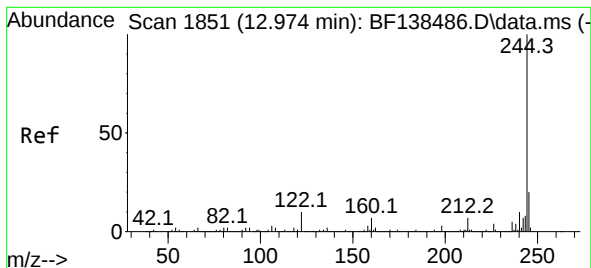
Delta R.T. 0.000 min

Lab File: BF138542.D

Acq: 12 Jul 2024 12:53

Tgt Ion:202	Resp: 1174972
Ion Ratio	Lower Upper
202 100	
200 21.4	17.0 25.6
203 17.6	13.7 20.5





#79

Terphenyl-d14

Concen: 102.739 ng

RT: 12.974 min Scan# 1851

Delta R.T. 0.000 min

Lab File: BF138542.D

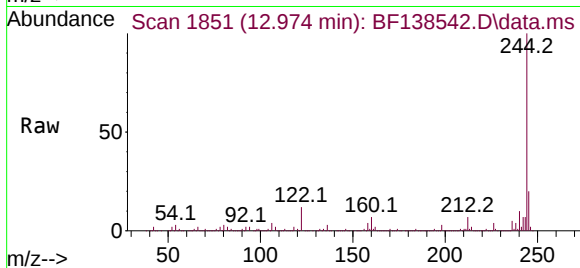
Acq: 12 Jul 2024 12:53

Instrument :

BNA_F

ClientSampleId :

PB162009BS



Tgt Ion:244 Resp: 1660354

Ion Ratio Lower Upper

244 100

212 7.1 5.5 8.3

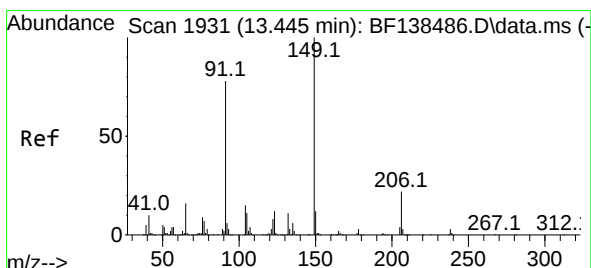
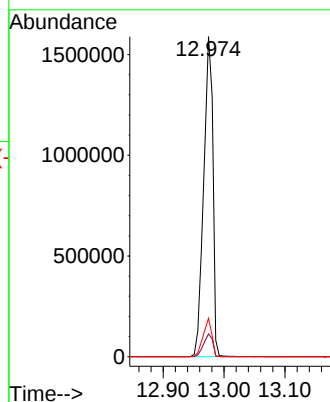
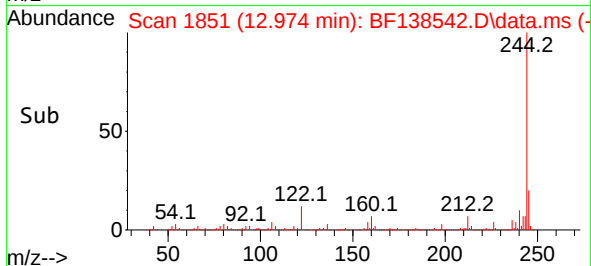
122 12.0 7.8 11.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2024

Supervised By :mohammad ahmed 07/19/2024



#80

Butylbenzylphthalate

Concen: 52.841 ng

RT: 13.445 min Scan# 1931

Delta R.T. 0.000 min

Lab File: BF138542.D

Acq: 12 Jul 2024 12:53

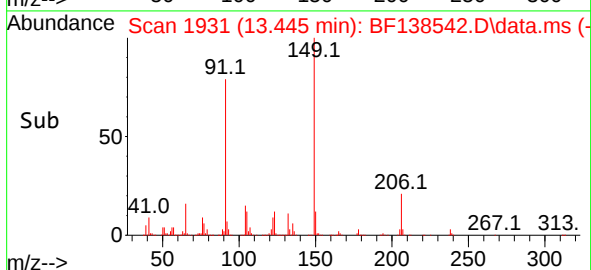
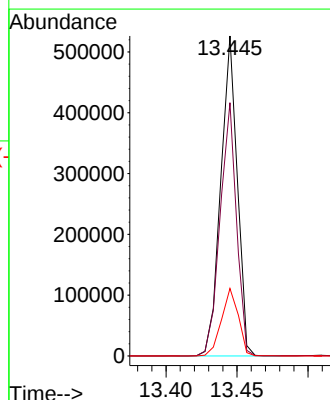
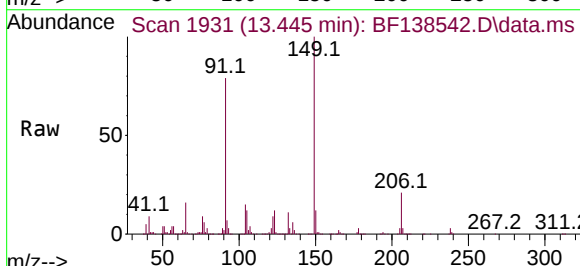
Tgt Ion:149 Resp: 424836

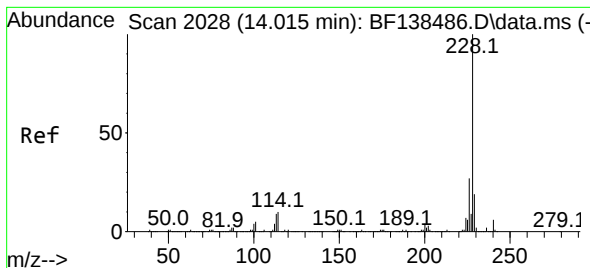
Ion Ratio Lower Upper

149 100

91 79.2 62.1 93.1

206 21.1 18.0 27.0





#81

Benzo(a)anthracene

Concen: 46.190 ng

RT: 14.016 min Scan# 2028

Delta R.T. 0.000 min

Lab File: BF138542.D

Acq: 12 Jul 2024 12:53

Instrument :

BNA_F

ClientSampleId :

PB162009BS

Tgt Ion:228 Resp: 816000

Ion Ratio Lower Upper

228 100

226 27.3 21.9 32.9

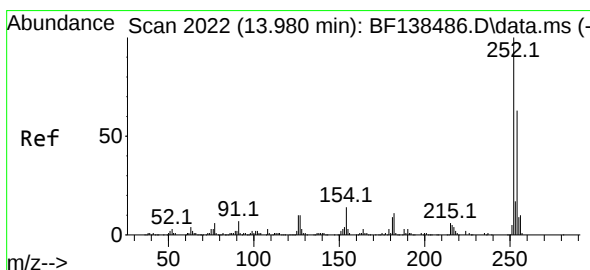
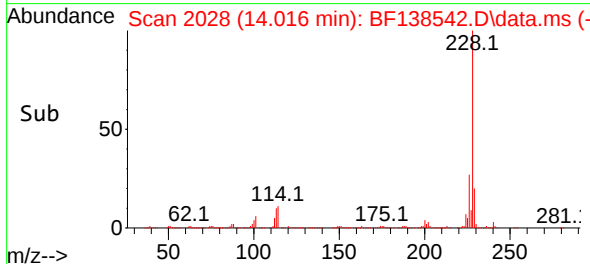
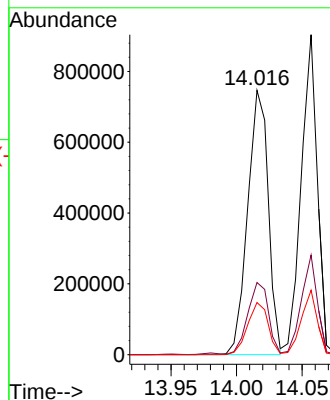
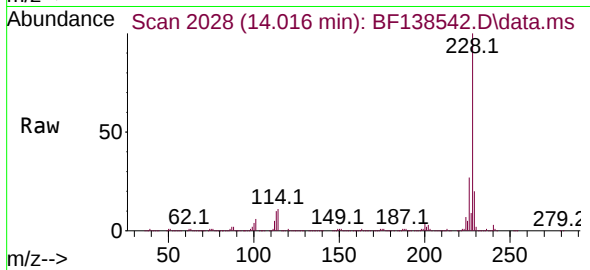
229 19.7 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2024

Supervised By :mohammad ahmed 07/19/2024



#82

3,3'-Dichlorobenzidine

Concen: 42.843 ng

RT: 13.980 min Scan# 2022

Delta R.T. 0.000 min

Lab File: BF138542.D

Acq: 12 Jul 2024 12:53

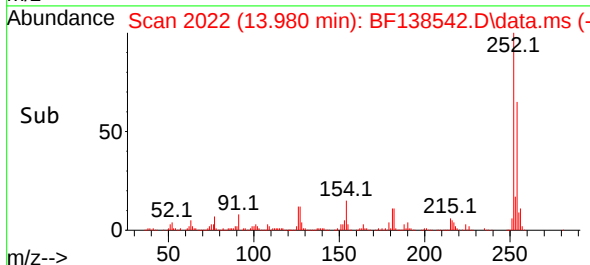
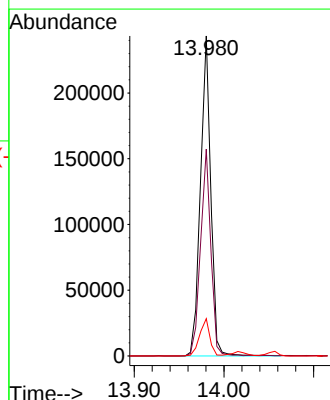
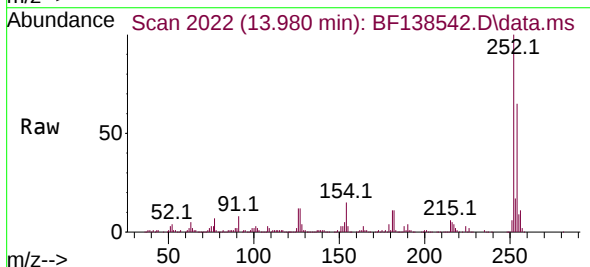
Tgt Ion:252 Resp: 195028

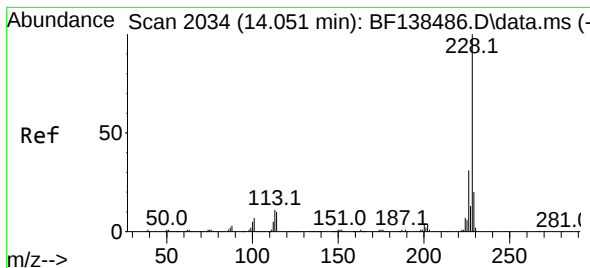
Ion Ratio Lower Upper

252 100

254 64.6 50.3 75.5

126 11.7 8.1 12.1





#83

Chrysene

Concen: 46.558 ng

RT: 14.057 min Scan# 2035

Delta R.T. 0.006 min

Lab File: BF138542.D

Acq: 12 Jul 2024 12:53

Instrument :

BNA_F

ClientSampleId :

PB162009BS

Tgt Ion:228 Resp: 77809

Ion Ratio Lower Upper

228 100

226 31.1 24.4 36.6

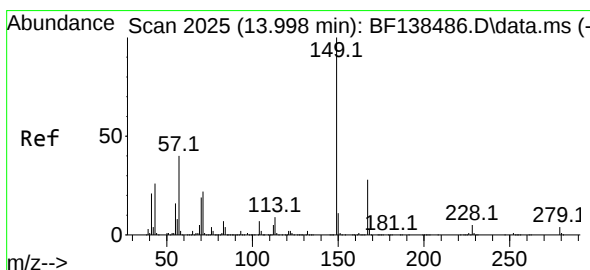
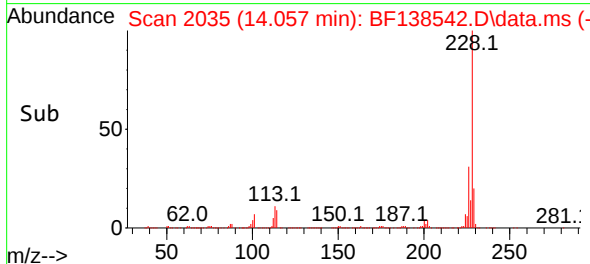
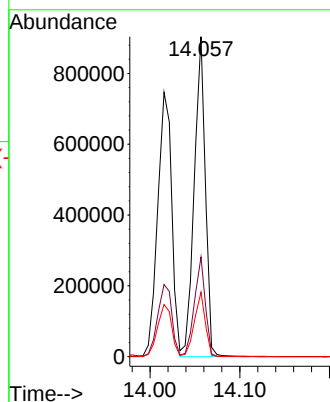
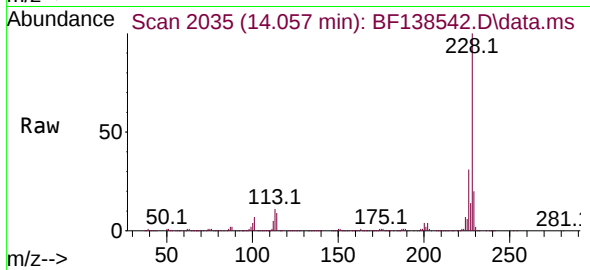
229 20.2 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2024

Supervised By :mohammad ahmed 07/19/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 62.294 ng

RT: 13.998 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF138542.D

Acq: 12 Jul 2024 12:53

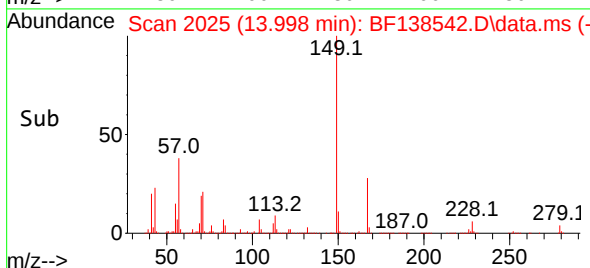
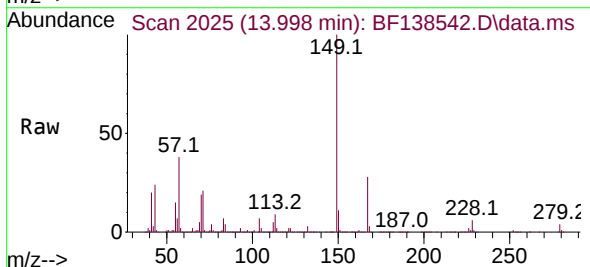
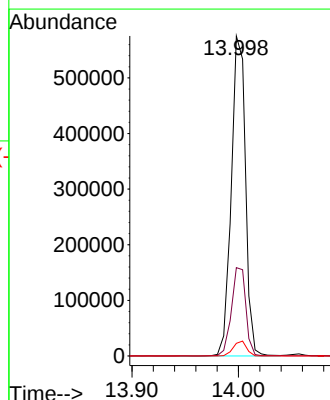
Tgt Ion:149 Resp: 534151

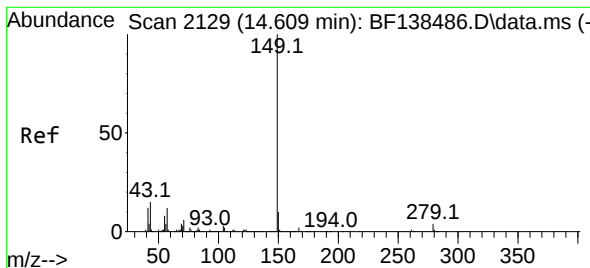
Ion Ratio Lower Upper

149 100

167 27.6 22.5 33.7

279 4.0 3.0 4.6





#85

Di-n-octyl phthalate

Concen: 64.913 ng

RT: 14.610 min Scan# 2129

Delta R.T. 0.001 min

Lab File: BF138542.D

Acq: 12 Jul 2024 12:53

Instrument :

BNA_F

ClientSampleId :

PB162009BS

Tgt Ion:149 Resp: 879290

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

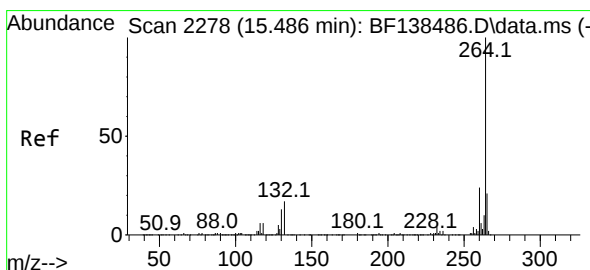
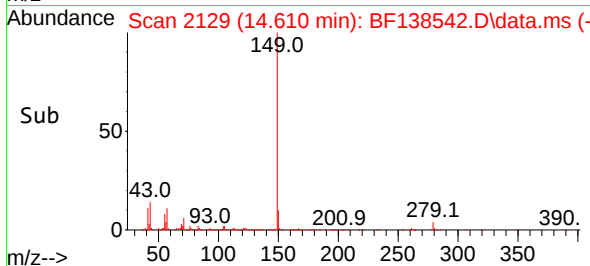
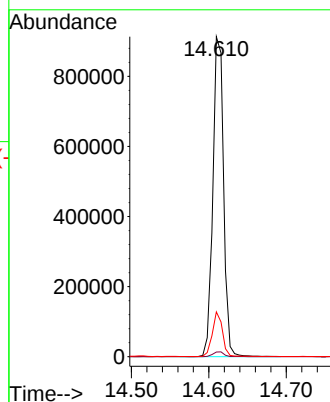
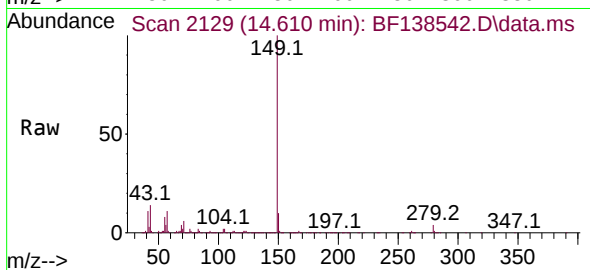
43 13.1 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2024

Supervised By :mohammad ahmed 07/19/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.492 min Scan# 2279

Delta R.T. 0.006 min

Lab File: BF138542.D

Acq: 12 Jul 2024 12:53

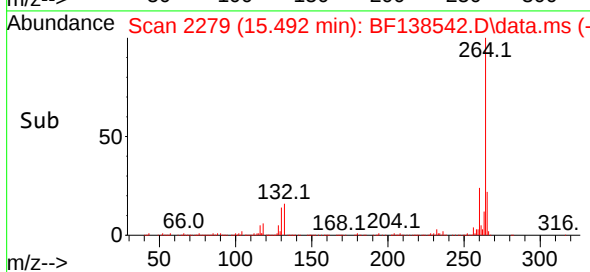
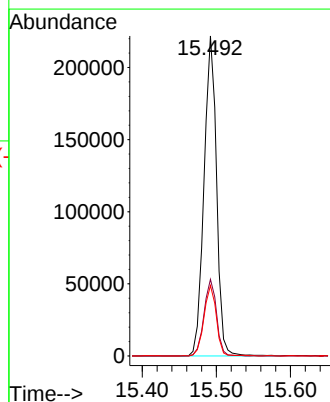
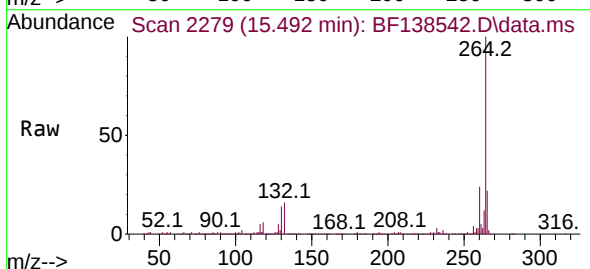
Tgt Ion:264 Resp: 260791

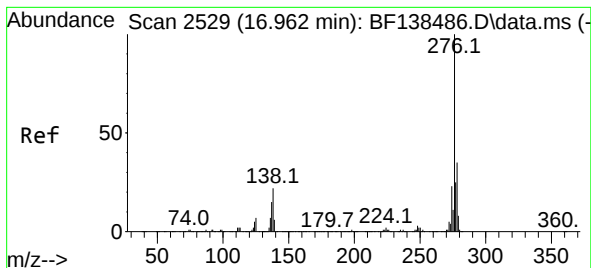
Ion Ratio Lower Upper

264 100

260 24.0 19.0 28.6

265 22.0 17.0 25.4





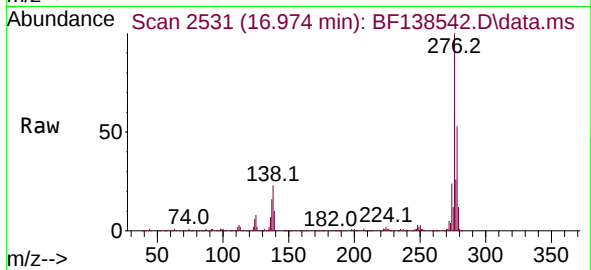
#87
Indeno(1,2,3-cd)pyrene
Concen: 48.275 ng
RT: 16.974 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Instrument :

BNA_F

ClientSampleId :

PB162009BS

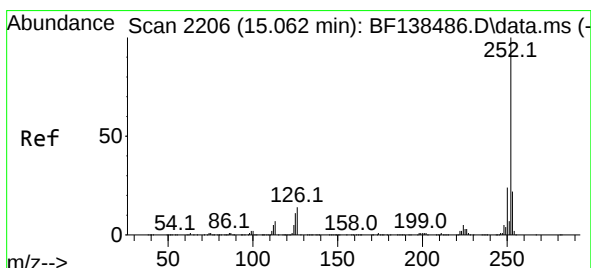
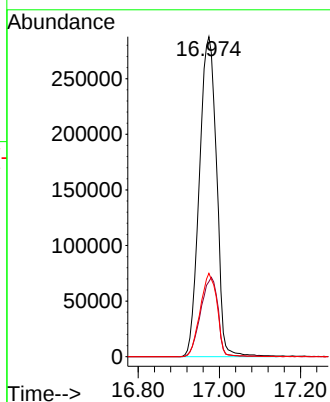
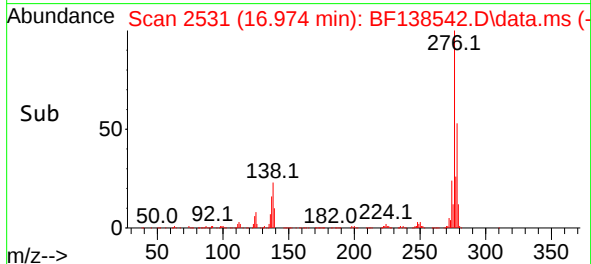


Tgt Ion:276 Resp: 845640
Ion Ratio Lower Upper
276 100
138 24.9 19.6 29.4
277 25.9 20.5 30.7

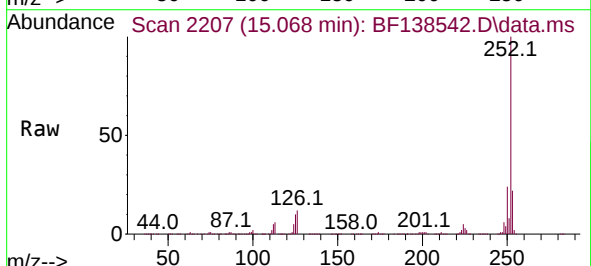
Manual Integrations

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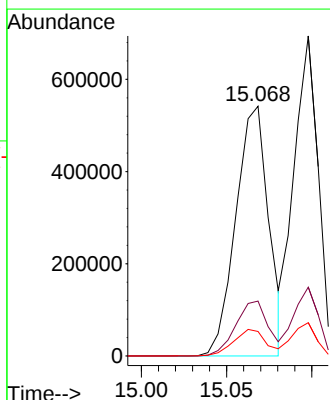
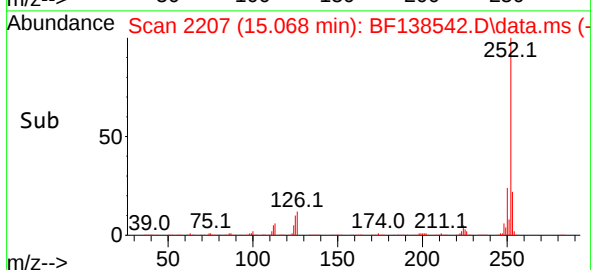
Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024

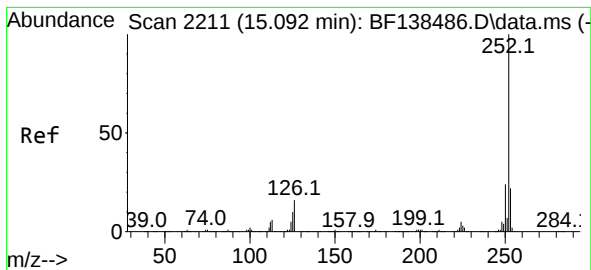


#88
Benzo(b)fluoranthene
Concen: 49.505 ng
RT: 15.068 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53



Tgt Ion:252 Resp: 727084
Ion Ratio Lower Upper
252 100
253 22.0 17.3 25.9
125 9.8 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 48.639 ng

RT: 15.098 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF138542.D

Acq: 12 Jul 2024 12:53

Instrument :

BNA_F

ClientSampleId :

PB162009BS

Tgt Ion:252 Resp: 69671

Ion Ratio Lower Upper

252 100

253 21.5 17.7 26.5

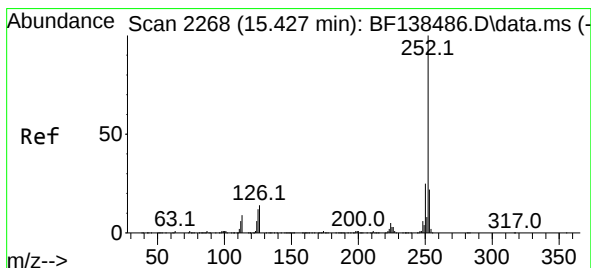
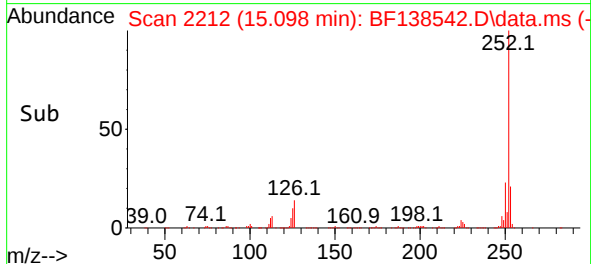
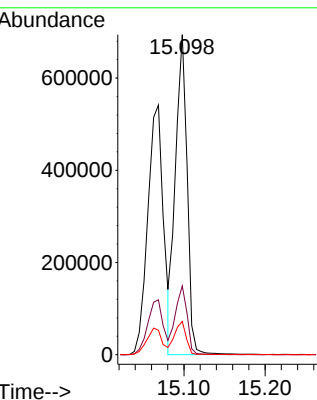
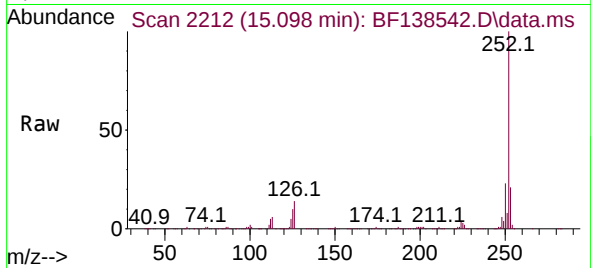
125 10.4 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/13/2024

Supervised By :mohammad ahmed 07/19/2024



#90

Benzo(a)pyrene

Concen: 51.320 ng

RT: 15.433 min Scan# 2269

Delta R.T. 0.006 min

Lab File: BF138542.D

Acq: 12 Jul 2024 12:53

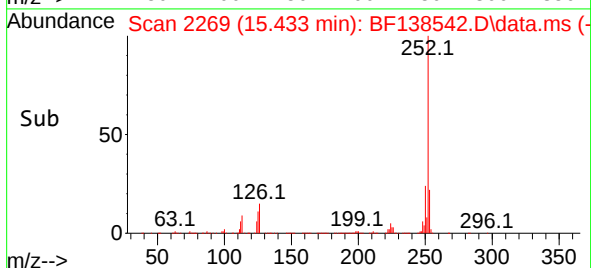
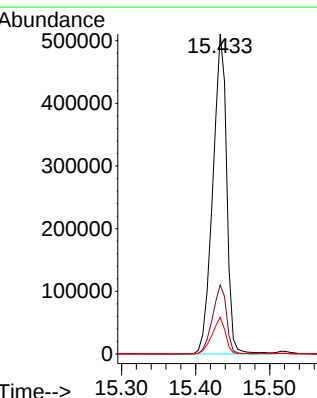
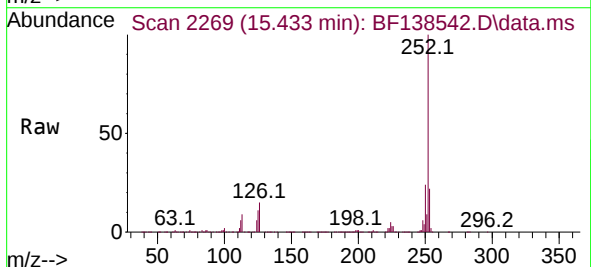
Tgt Ion:252 Resp: 662127

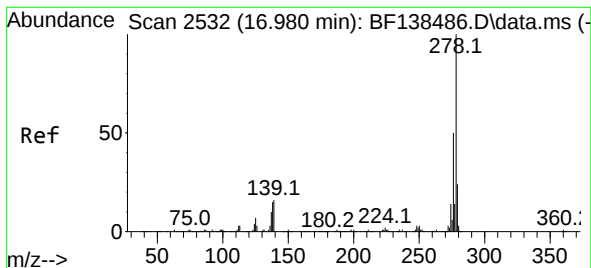
Ion Ratio Lower Upper

252 100

253 21.6 17.4 26.0

125 11.5 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 49.042 ng
RT: 16.992 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Instrument :

BNA_F

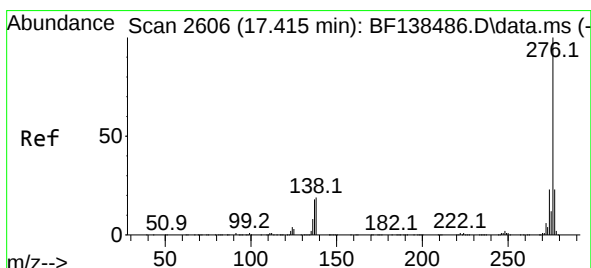
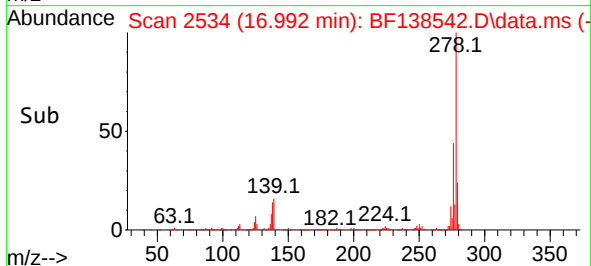
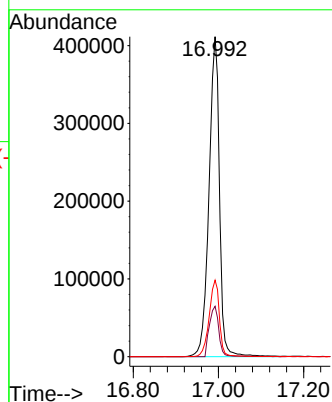
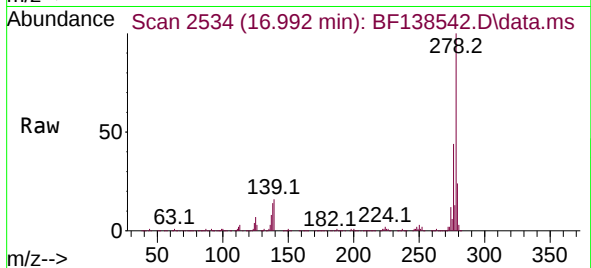
ClientSampleId :

PB162009BS

Tgt Ion:278 Resp: 70274
Ion Ratio Lower Upper
278 100
139 15.7 12.8 19.2
279 23.9 19.1 28.7

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/13/2024
Supervised By :mohammad ahmed 07/19/2024



#92
Benzo(g,h,i)perylene
Concen: 44.274 ng
RT: 17.421 min Scan# 2607
Delta R.T. 0.006 min
Lab File: BF138542.D
Acq: 12 Jul 2024 12:53

Tgt Ion:276 Resp: 672735
Ion Ratio Lower Upper
276 100
277 22.8 18.0 27.0
138 21.5 15.5 23.3

