

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071524\
 Data File : BF138568.D
 Acq On : 15 Jul 2024 14:28
 Operator : CG\JU
 Sample : PB162036BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB162036BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 07/16/2024
 Supervised By :mohammad ahmed 07/16/2024

Quant Time: Jul 15 14:54:03 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	174817	20.000	ng	0.00
21) Naphthalene-d8	8.151	136	760051	20.000	ng	0.00
39) Acenaphthene-d10	9.910	164	384124	20.000	ng	0.00
64) Phenanthrene-d10	11.392	188	682436	20.000	ng	0.00
76) Chrysene-d12	14.033	240	417545	20.000	ng	0.00
86) Perylene-d12	15.498	264	385221	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	1299132	117.695	ng	0.02
7) Phenol-d6	6.516	99	1718834	117.055	ng	0.01
23) Nitrobenzene-d5	7.439	82	1282291	82.833	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	432414	120.449	ng	0.01
45) 2-Fluorobiphenyl	9.233	172	2041775	83.075	ng	0.00
79) Terphenyl-d14	12.980	244	2118619	82.661	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.746	88	137169	28.058	ng	99
3) Pyridine	3.498	79	347767	28.846	ng	98
4) n-Nitrosodimethylamine	3.463	42	308053	39.252	ng	95
6) Aniline	6.534	93	362938	26.388	ng	# 1
8) 2-Chlorophenol	6.657	128	529687	45.382	ng	98
9) Benzaldehyde	6.422	77	103618	13.184	ng	99
10) Phenol	6.534	94	650427	41.731	ng	95
11) bis(2-Chloroethyl)ether	6.610	93	517125	44.067	ng	99
12) 1,3-Dichlorobenzene	6.810	146	525426	40.049	ng	99
13) 1,4-Dichlorobenzene	6.886	146	538171	40.395	ng	98
14) 1,2-Dichlorobenzene	7.039	146	563318	45.398	ng	97
15) Benzyl Alcohol	7.016	79	516835	46.900	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.139	45	1072899	46.492	ng	84
17) 2-Methylphenol	7.134	107	450468	47.092	ng	# 90
18) Hexachloroethane	7.381	117	221282	45.180	ng	99
19) n-Nitroso-di-n-propyla...	7.292	70	435070	47.951	ng	98
20) 3+4-Methylphenols	7.286	107	549027	45.579	ng	# 84
22) Acetophenone	7.281	105	787055	42.637	ng	# 96
24) Nitrobenzene	7.457	77	649297	41.274	ng	98
25) Isophorone	7.698	82	1160492	43.653	ng	97
26) 2-Nitrophenol	7.769	139	290369	43.065	ng	95
27) 2,4-Dimethylphenol	7.810	122	364756	44.016	ng	97
28) bis(2-Chloroethoxy)met...	7.904	93	645807	40.648	ng	100
29) 2,4-Dichlorophenol	8.016	162	435786	40.495	ng	98
30) 1,2,4-Trichlorobenzene	8.092	180	490966	39.164	ng	99
31) Naphthalene	8.175	128	1611945	40.779	ng	99
32) Benzoic acid	7.969	122	311309	39.387	ng	94
33) 4-Chloroaniline	8.222	127	337945	24.366	ng	98
34) Hexachlorobutadiene	8.286	225	314250	40.707	ng	99
35) Caprolactam	8.622	113	131946m	37.997	ng	
36) 4-Chloro-3-methylphenol	8.716	107	475468	39.466	ng	99
37) 2-Methylnaphthalene	8.863	142	1009870	39.699	ng	98
38) 1-Methylnaphthalene	8.963	142	998509	40.220	ng	100
40) 1,2,4,5-Tetrachloroben...	9.033	216	493982	46.142	ng	98
41) Hexachlorocyclopentadiene	9.016	237	398305	114.623	ng	99
43) 2,4,6-Trichlorophenol	9.145	196	301156	44.100	ng	100

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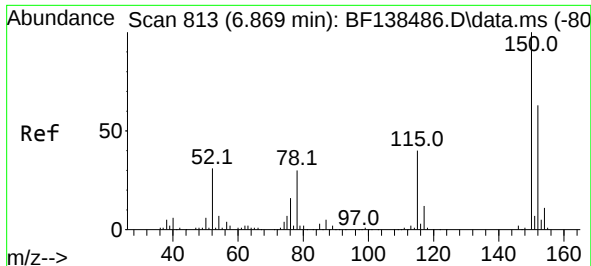
Manual Integrations
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Reviewed By :Yogesh Patel 07/16/2024
 Supervised By :mohammad ahmed 07/16/2024

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 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.204	196	337828	44.977	ng	99
46) 1,1'-Biphenyl	9.333	154	1479895	50.837	ng	98
47) 2-Chloronaphthalene	9.357	162	1124519	51.133	ng	99
48) 2-Nitroaniline	9.457	65	371086	48.694	ng	95
49) Acenaphthylene	9.775	152	1335498	42.773	ng	99
50) Dimethylphthalate	9.639	163	1210036	48.717	ng	100
51) 2,6-Dinitrotoluene	9.698	165	236337	41.325	ng	87
52) Acenaphthene	9.945	154	826250	39.810	ng	99
53) 3-Nitroaniline	9.869	138	171911	29.329	ng	94
54) 2,4-Dinitrophenol	9.980	184	262907	85.327	ng	95
55) Dibenzofuran	10.116	168	1220891	40.556	ng	99
56) 4-Nitrophenol	10.045	139	344155	79.574	ng	99
57) 2,4-Dinitrotoluene	10.104	165	309419	41.816	ng	96
58) Fluorene	10.457	166	967083	40.600	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.233	232	256692	43.303	ng	98
60) Diethylphthalate	10.333	149	1043909	43.596	ng	100
61) 4-Chlorophenyl-phenyle...	10.445	204	485393	40.581	ng	93
62) 4-Nitroaniline	10.492	138	233021	39.672	ng	94
63) Azobenzene	10.610	77	1101131	42.772	ng	98
65) 4,6-Dinitro-2-methylph...	10.516	198	189586	48.113	ng	90
66) n-Nitrosodiphenylamine	10.575	169	859269	42.026	ng	98
67) 4-Bromophenyl-phenylether	10.939	248	298837	42.605	ng	95
68) Hexachlorobenzene	11.004	284	326409	41.889	ng	97
69) Atrazine	11.098	200	250463	36.948	ng	98
70) Pentachlorophenol	11.204	266	365005	79.162	ng	97
71) Phenanthrene	11.422	178	1424808	41.326	ng	99
72) Anthracene	11.474	178	1435111	41.933	ng	99
73) Carbazole	11.627	167	1236431	40.201	ng	100
74) Di-n-butylphthalate	11.951	149	1583804	44.675	ng	99
75) Fluoranthene	12.604	202	1686896	47.950	ng	96
77) Benzidine	12.721	184	107059	10.163	ng	99
78) Pyrene	12.833	202	1676549	39.554	ng	99
80) Butylbenzylphthalate	13.445	149	515056	40.395	ng	97
81) Benzo(a)anthracene	14.021	228	1207976	43.115	ng	100
82) 3,3'-Dichlorobenzidine	13.980	252	303795	42.081	ng	97
83) Chrysene	14.057	228	1142818	43.118	ng	100
84) Bis(2-ethylhexyl)phtha...	14.004	149	783017	57.580	ng	# 99
85) Di-n-octyl phthalate	14.615	149	1031100	47.997	ng	99
87) Indeno(1,2,3-cd)pyrene	16.986	276	1034797	39.992	ng	99
88) Benzo(b)fluoranthene	15.068	252	907017	41.809	ng	99
89) Benzo(k)fluoranthene	15.104	252	790054	37.340	ng	98
90) Benzo(a)pyrene	15.439	252	837673	43.955	ng	99
91) Dibenzo(a,h)anthracene	17.003	278	855735	40.429	ng	98
92) Benzo(g,h,i)perylene	17.433	276	992887	44.237	ng	95

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



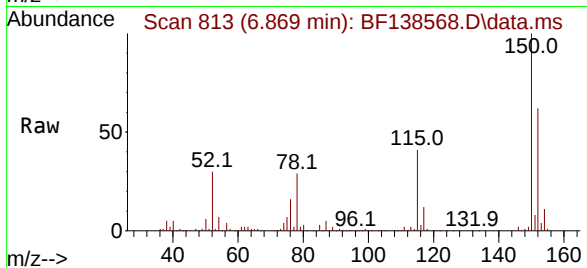
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.869 min Scan# 81
Delta R.T. -0.000 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

Instrument :

BNA_F

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PB162036BS



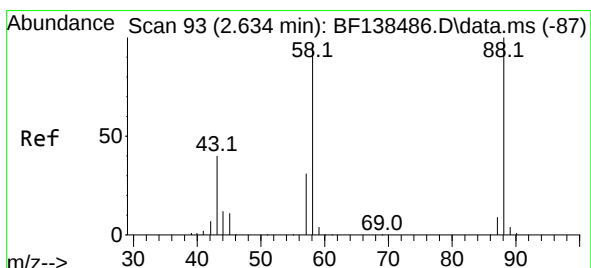
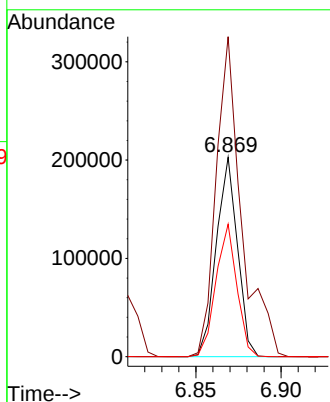
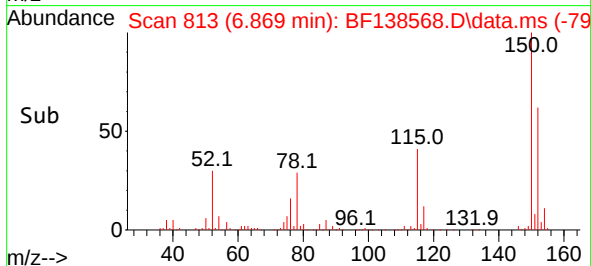
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Ion Ratio Lower Upper
152 100
150 160.5 126.2 189.4
115 66.4 50.3 75.5

Manual Integrations

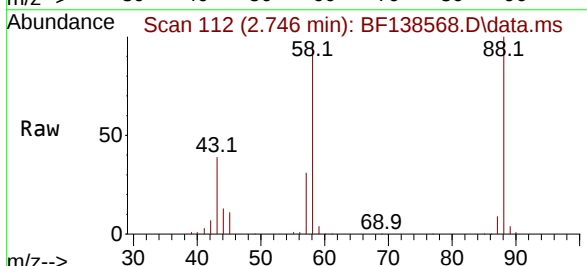
APPROVED

Reviewed By :Yogesh Patel 07/16/2024

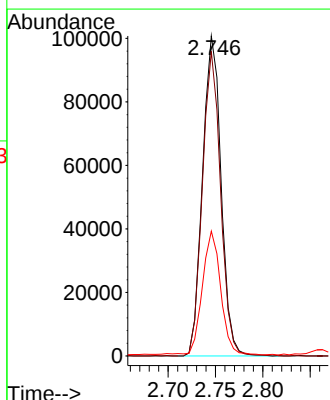
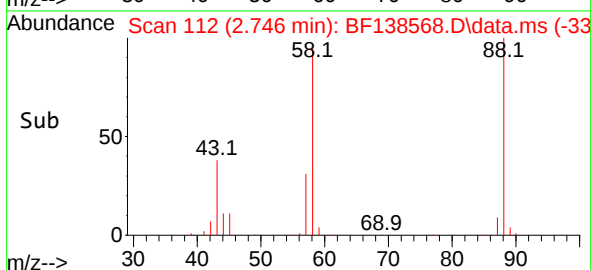
Supervised By :mohammad ahmed 07/16/2024

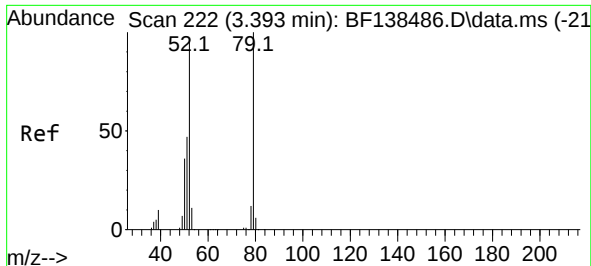


#2
1,4-Dioxane
Concen: 28.058 ng
RT: 2.746 min Scan# 112
Delta R.T. 0.112 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28



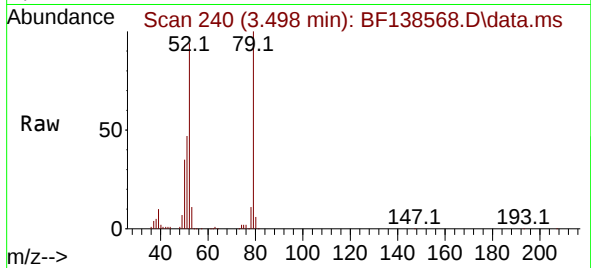
Tgt Ion: 88 Resp: 137169
Ion Ratio Lower Upper
88 100
58 93.2 74.6 112.0
43 38.2 31.8 47.6





#3
Pyridine
Concen: 28.846 ng
RT: 3.498 min Scan# 24
Delta R.T. 0.106 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

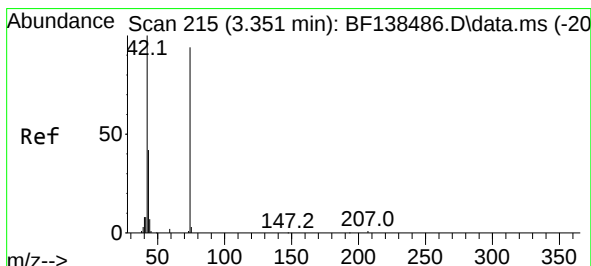
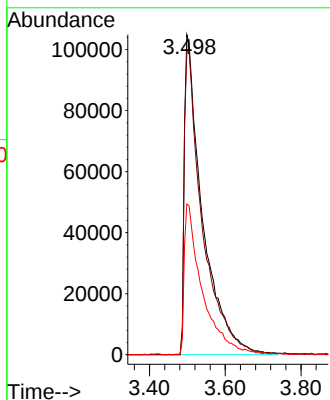
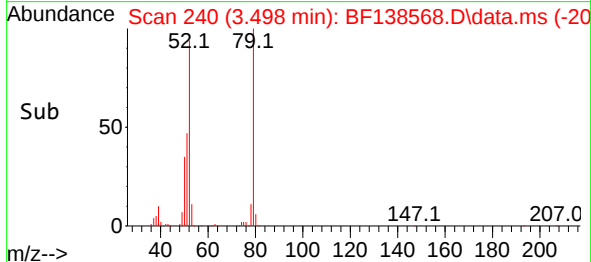
Instrument :
BNA_F
ClientSampleId :
PB162036BS



Tgt Ion: 79 Resp: 34776
Ion Ratio Lower Upper
79 100
52 94.5 77.4 116.2
51 47.1 37.4 56.0

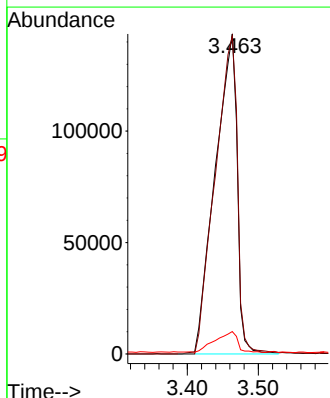
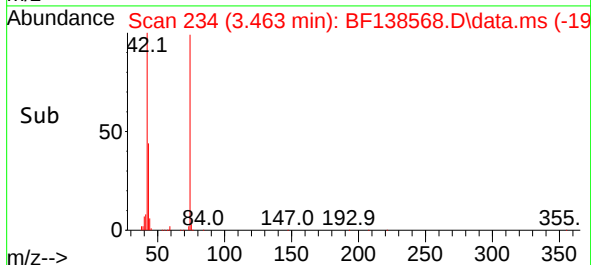
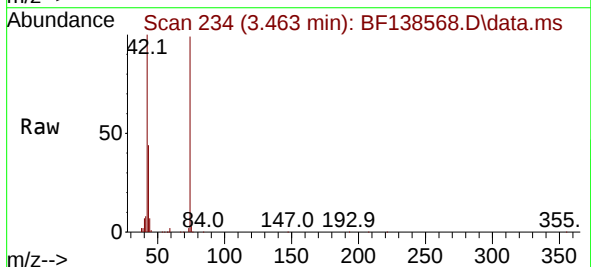
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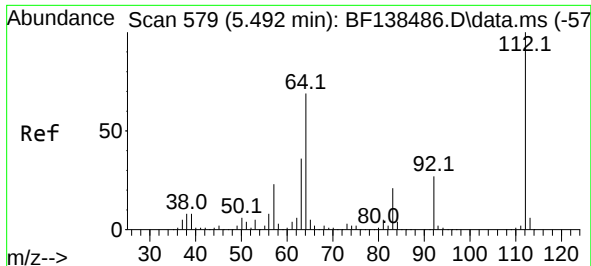
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/16/2024



#4
n-Nitrosodimethylamine
Concen: 39.252 ng
RT: 3.463 min Scan# 234
Delta R.T. 0.112 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

Tgt Ion: 42 Resp: 308053
Ion Ratio Lower Upper
42 100
74 99.4 75.0 112.6
44 7.0 5.4 8.2





#5
2-Fluorophenol
Concen: 117.695 ng
RT: 5.510 min Scan# 510
Delta R.T. 0.018 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

Instrument :

BNA_F

ClientSampleId :

PB162036BS

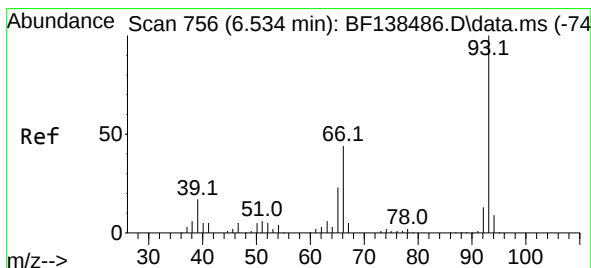
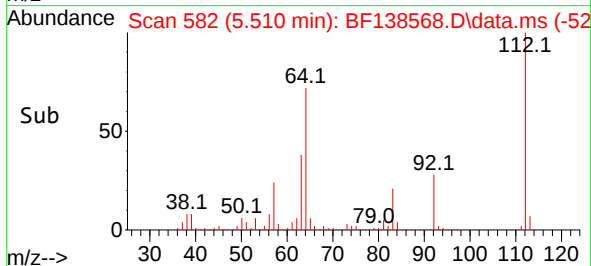
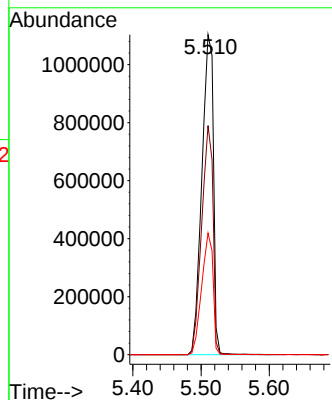
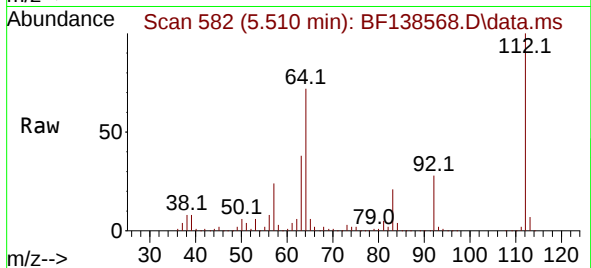
Tgt Ion:112 Resp: 129913
Ion Ratio Lower Upper
112 100
64 71.6 55.1 82.7
63 38.0 29.0 43.6

Manual Integrations

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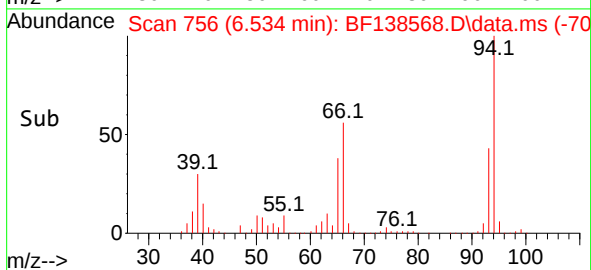
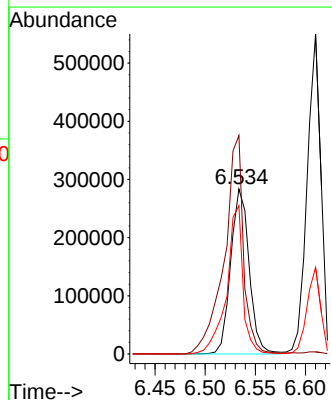
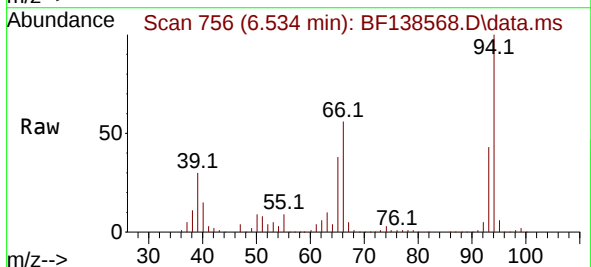
Reviewed By :Yogesh Patel 07/16/2024

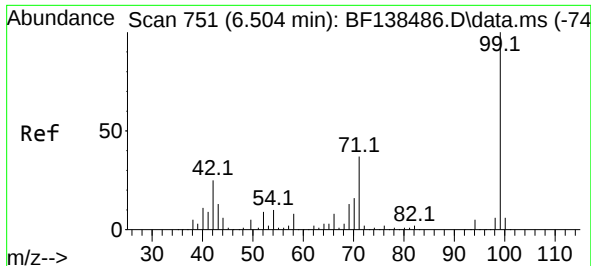
Supervised By :mohammad ahmed 07/16/2024



#6
Aniline
Concen: 26.388 ng
RT: 6.534 min Scan# 756
Delta R.T. 0.000 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

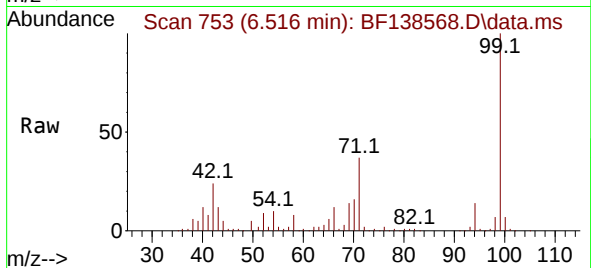
Tgt Ion: 93 Resp: 362938
Ion Ratio Lower Upper
93 100
66 132.5 35.4 53.0#
65 89.9 18.6 27.8#





#7
Phenol-d6
Concen: 117.055 ng
RT: 6.516 min Scan# 751
Delta R.T. 0.012 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

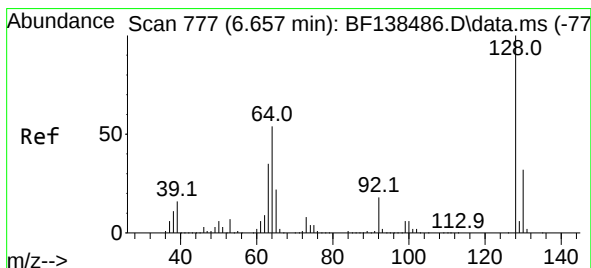
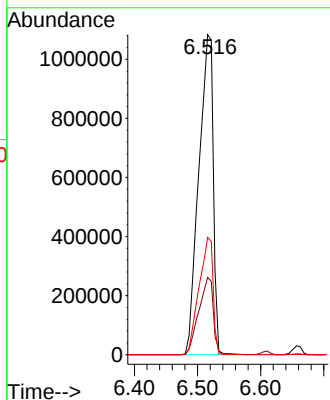
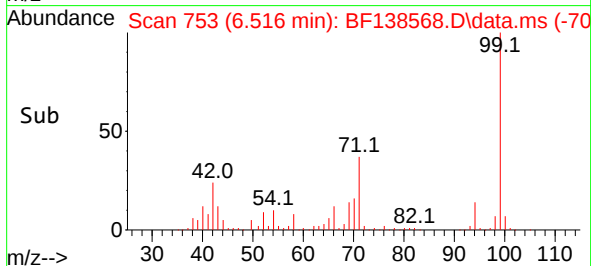
Instrument :
BNA_F
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Tgt Ion: 99 Resp: 1718834
Ion Ratio Lower Upper
99 100
42 24.1 19.7 29.5
71 36.7 29.9 44.9

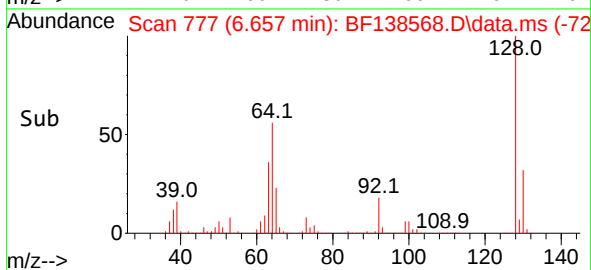
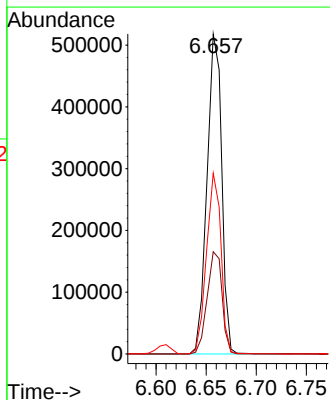
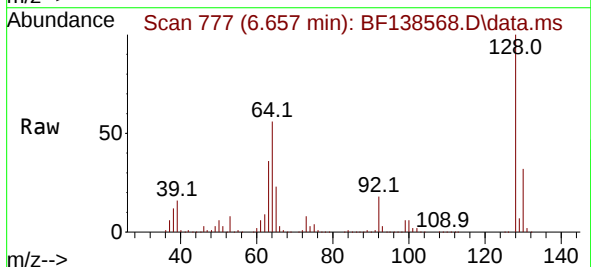
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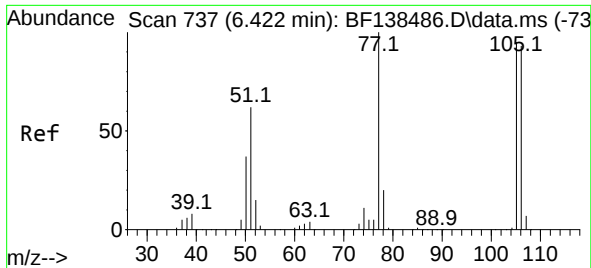
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/16/2024



#8
2-Chlorophenol
Concen: 45.382 ng
RT: 6.657 min Scan# 777
Delta R.T. 0.000 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

Tgt Ion:128 Resp: 529687
Ion Ratio Lower Upper
128 100
130 31.9 12.1 52.1
64 56.5 34.4 74.4





#9

Benzaldehyde

Concen: 13.184 ng

RT: 6.422 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF138568.D

Acq: 15 Jul 2024 14:28

Instrument :

BNA_F

ClientSampleId :

PB162036BS

Tgt Ion: 77 Resp: 103618

Ion Ratio Lower Upper

77 100

105 96.2 75.1 115.1

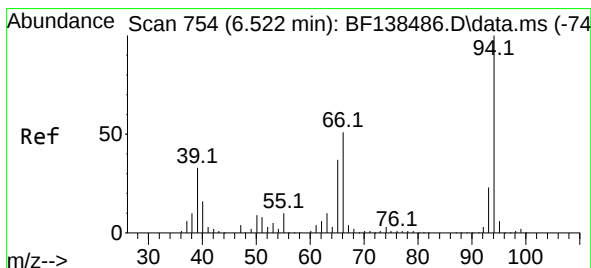
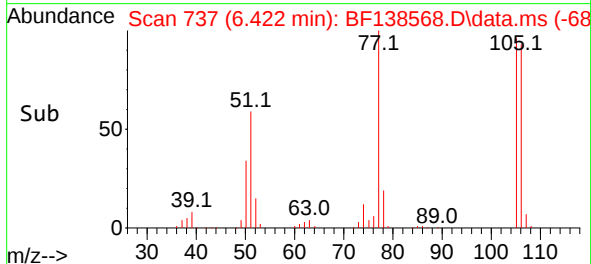
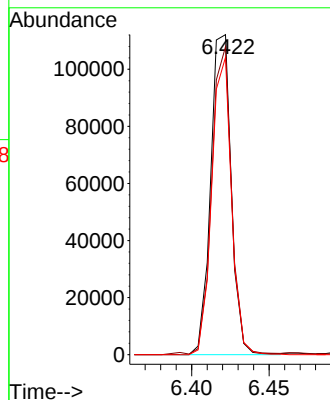
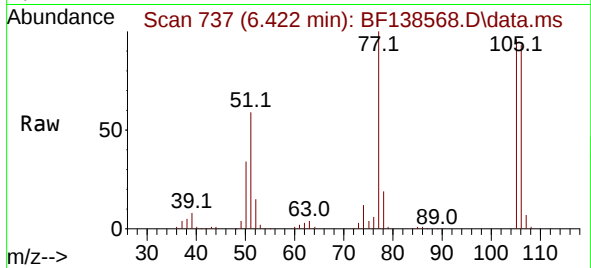
106 92.9 73.2 113.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/16/2024

Supervised By :mohammad ahmed 07/16/2024



#10

Phenol

Concen: 41.731 ng

RT: 6.534 min Scan# 756

Delta R.T. 0.012 min

Lab File: BF138568.D

Acq: 15 Jul 2024 14:28

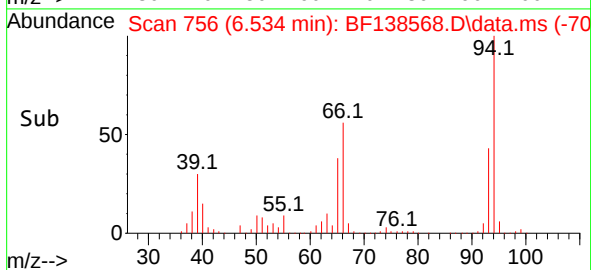
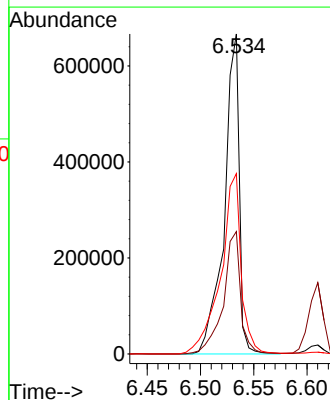
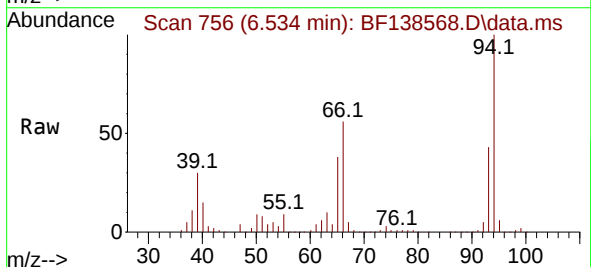
Tgt Ion: 94 Resp: 650427

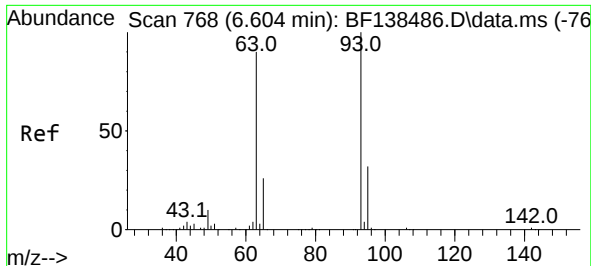
Ion Ratio Lower Upper

94 100

65 38.2 16.7 56.7

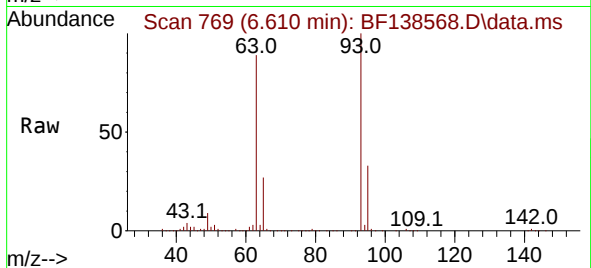
66 56.3 31.2 71.2





#11
bis(2-Chloroethyl)ether
Concen: 44.067 ng
RT: 6.610 min Scan# 768
Delta R.T. 0.006 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

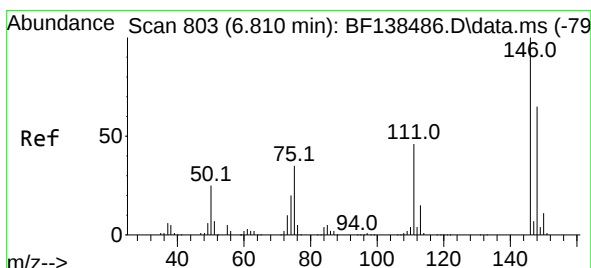
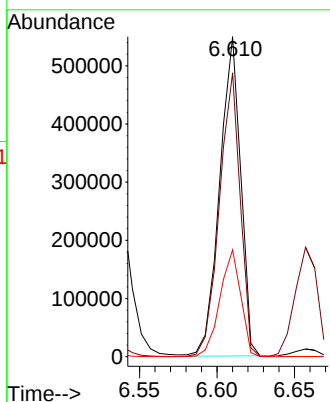
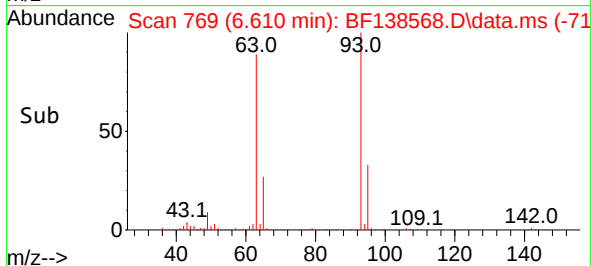
Instrument :
BNA_F
ClientSampleId :
PB162036BS



Tgt Ion: 93 Resp: 517125
Ion Ratio Lower Upper
93 100
63 88.7 68.8 108.8
95 33.4 11.8 51.8

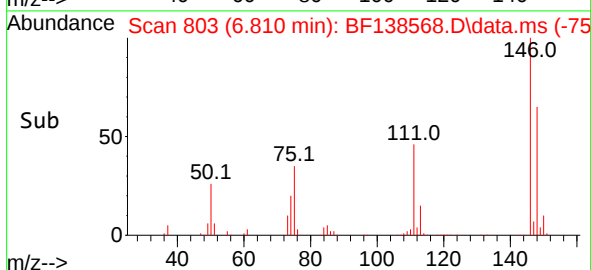
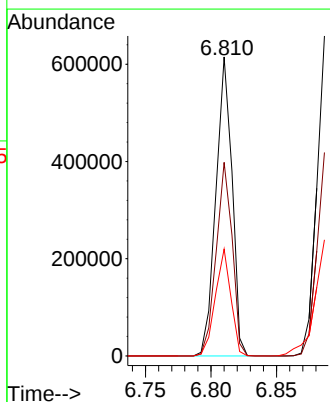
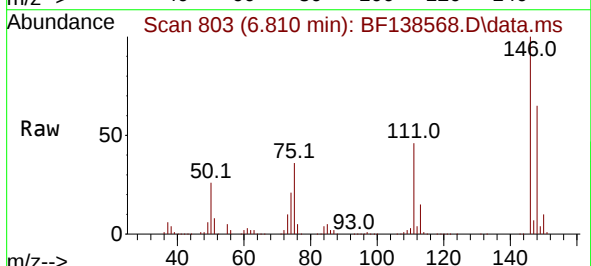
Manual Integrations
APPROVED

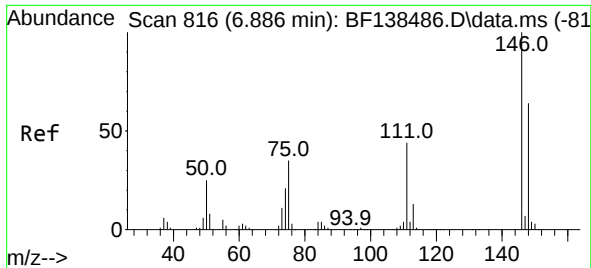
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/16/2024



#12
1,3-Dichlorobenzene
Concen: 40.049 ng
RT: 6.810 min Scan# 803
Delta R.T. 0.000 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

Tgt Ion:146 Resp: 525426
Ion Ratio Lower Upper
146 100
148 64.7 52.4 78.6
75 35.7 27.8 41.8





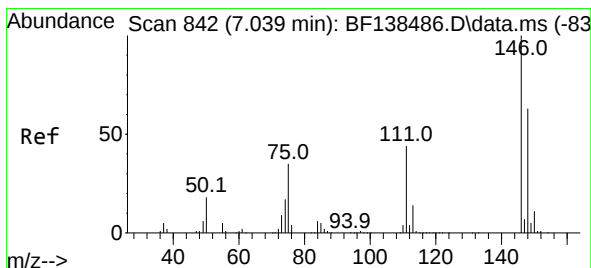
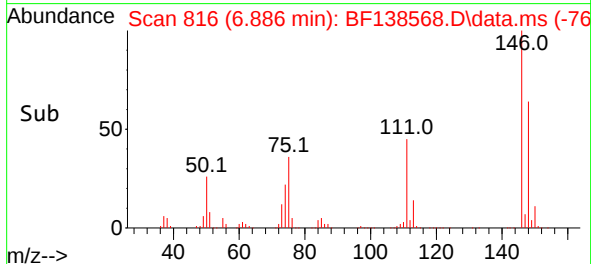
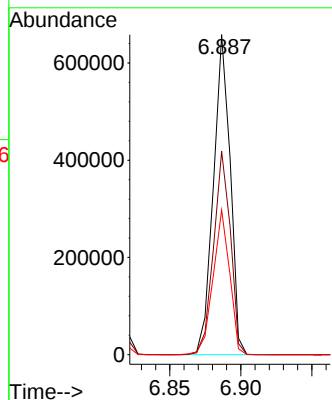
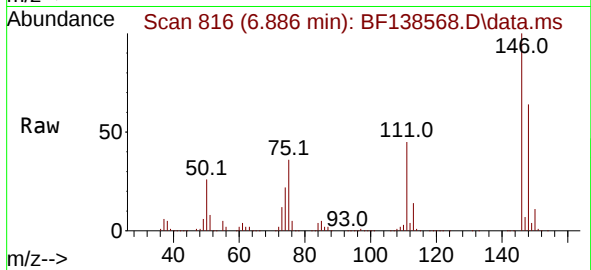
#13
1,4-Dichlorobenzene
Concen: 40.395 ng
RT: 6.886 min Scan# 816
Delta R.T. 0.000 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

Instrument :
BNA_F
ClientSampleId :
PB162036BS

Tgt Ion:146 Resp: 53817
Ion Ratio Lower Upper
146 100
148 63.6 51.6 77.4
111 45.2 34.9 52.3

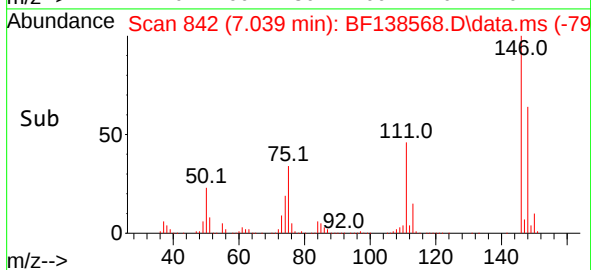
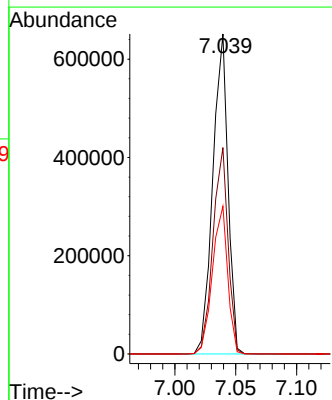
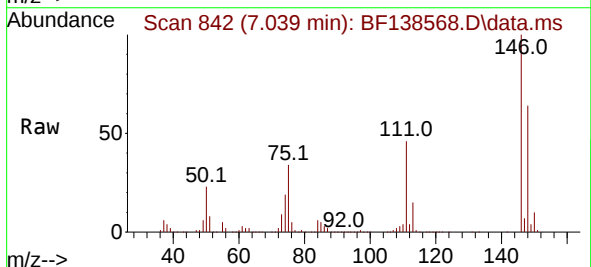
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/16/2024



#14
1,2-Dichlorobenzene
Concen: 45.398 ng
RT: 7.039 min Scan# 842
Delta R.T. 0.000 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

Tgt Ion:146 Resp: 563318
Ion Ratio Lower Upper
146 100
148 64.5 50.1 75.1
111 46.2 35.5 53.3





#15
Benzyl Alcohol
Concen: 46.900 ng
RT: 7.016 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

Instrument :

BNA_F

ClientSampleId :

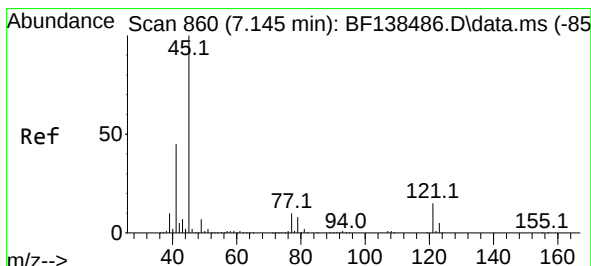
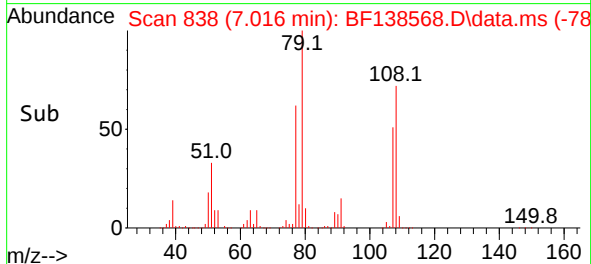
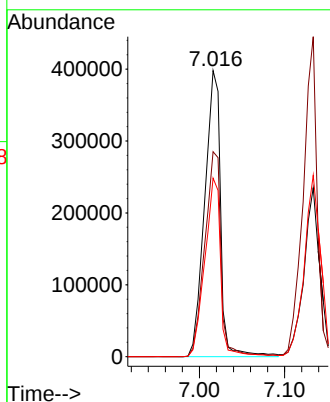
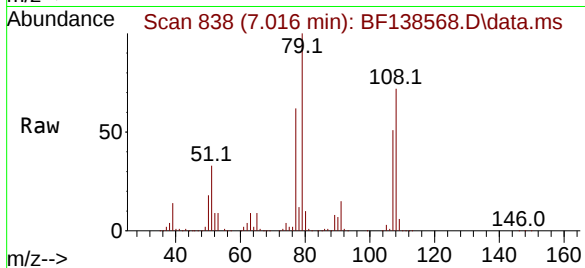
PB162036BS

Tgt Ion: 79 Resp: 51683
Ion Ratio Lower Upper
79 100
108 71.7 54.3 81.5
77 62.4 50.0 75.0

Manual Integrations

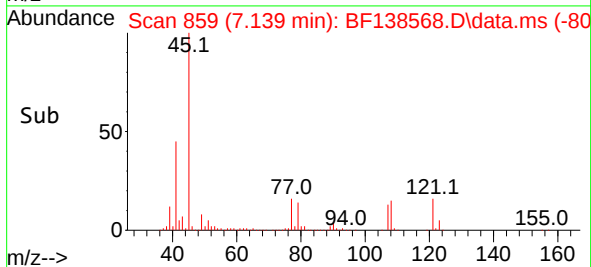
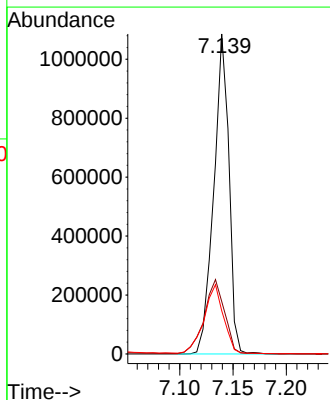
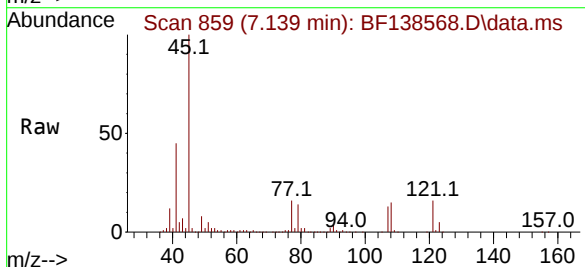
APPROVED

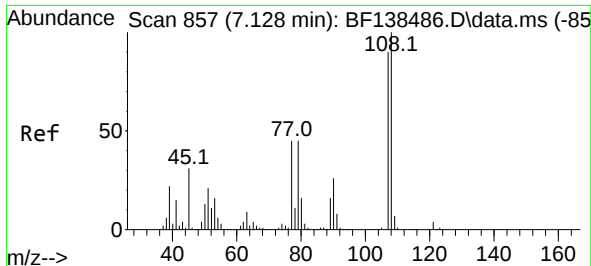
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/16/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 46.492 ng
RT: 7.139 min Scan# 859
Delta R.T. -0.006 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

Tgt Ion: 45 Resp: 1072899
Ion Ratio Lower Upper
45 100
77 16.4 0.0 30.4
79 13.5 0.0 28.1





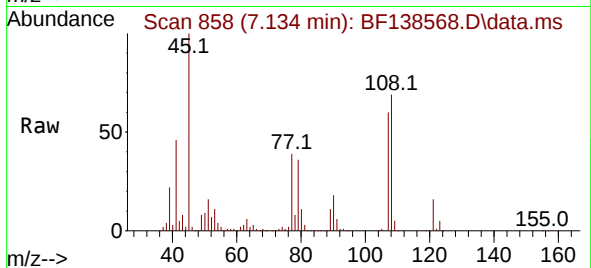
#17
2-Methylphenol
Concen: 47.092 ng
RT: 7.134 min Scan# 857
Delta R.T. 0.006 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

Instrument :

BNA_F

ClientSampleId :

PB162036BS



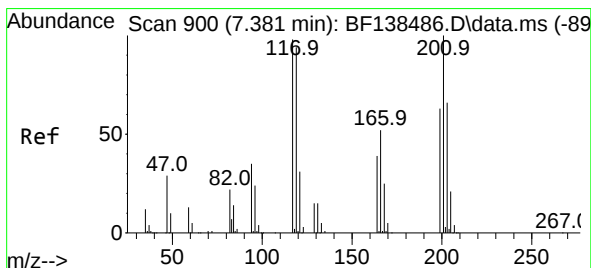
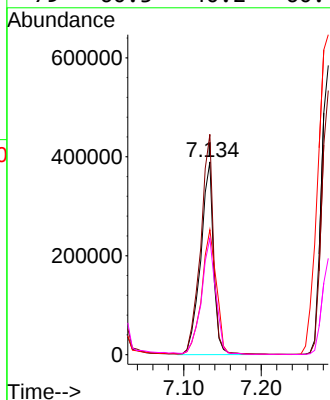
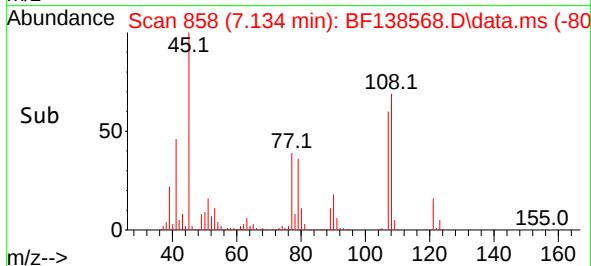
Tgt Ion:107 Resp: 450468
Ion Ratio Lower Upper
107 100
108 114.3 89.0 133.4
77 64.8 40.3 60.5
79 60.3 40.2 60.4

Manual Integrations

APPROVED

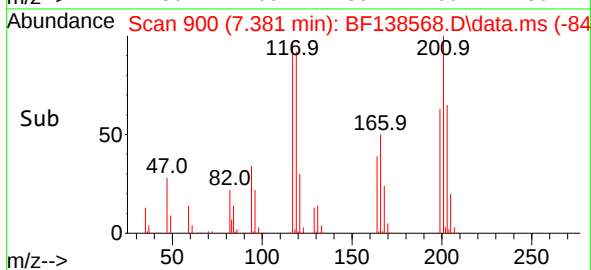
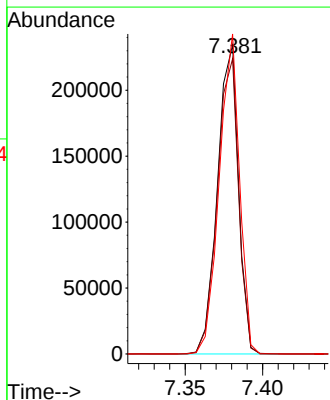
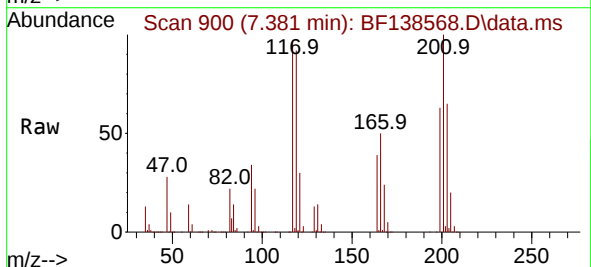
Reviewed By :Yogesh Patel 07/16/2024

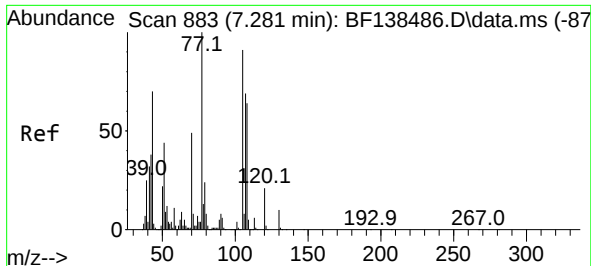
Supervised By :mohammad ahmed 07/16/2024



#18
Hexachloroethane
Concen: 45.180 ng
RT: 7.381 min Scan# 900
Delta R.T. 0.000 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

Tgt Ion:117 Resp: 221282
Ion Ratio Lower Upper
117 100
119 95.5 76.6 114.8
201 103.5 81.4 122.0





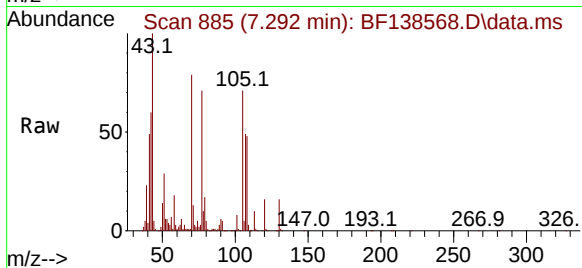
#19
n-Nitroso-di-n-propylamine
Concen: 47.951 ng
RT: 7.292 min Scan# 885
Delta R.T. 0.012 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

Instrument :

BNA_F

ClientSampleId :

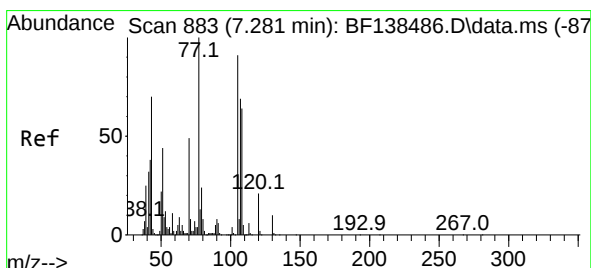
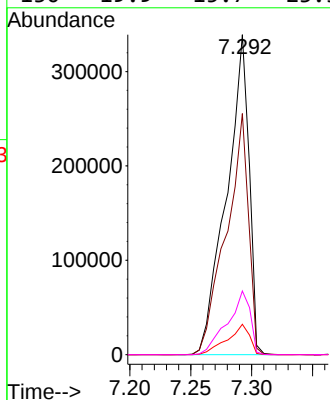
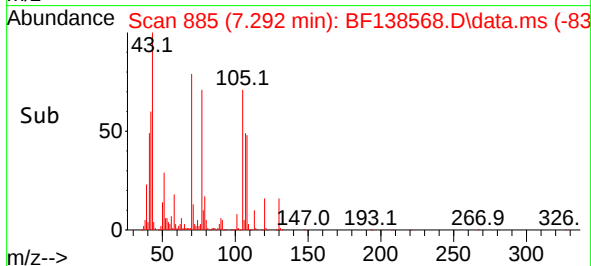
PB162036BS



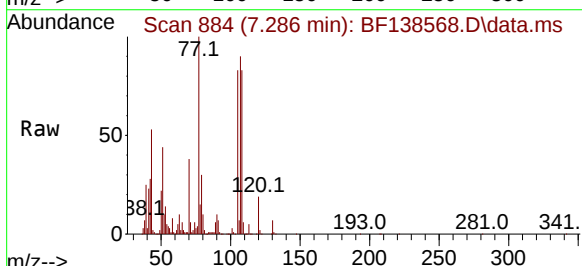
Tgt Ion: 70 Resp: 435070
Ion Ratio Lower Upper
70 100
42 75.3 62.4 93.6
101 9.5 7.2 10.8
130 19.9 15.7 23.5

Manual Integrations
APPROVED

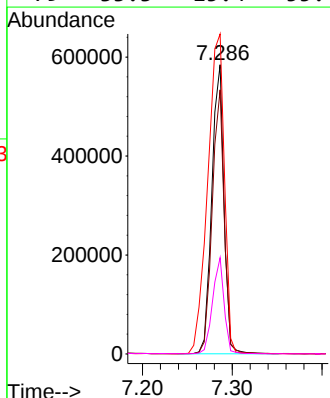
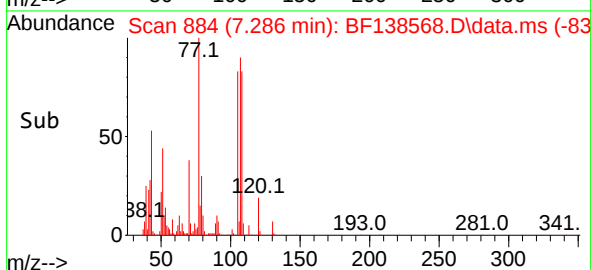
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/16/2024

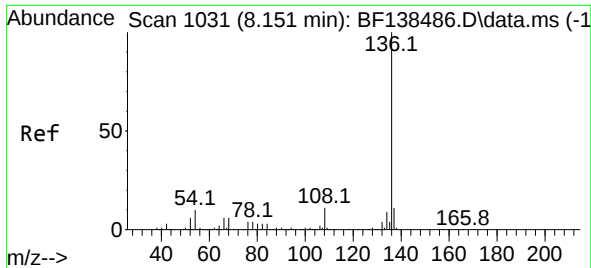


#20
3+4-Methylphenols
Concen: 45.579 ng
RT: 7.286 min Scan# 884
Delta R.T. 0.006 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28



Tgt Ion:107 Resp: 549027
Ion Ratio Lower Upper
107 100
108 91.4 73.7 113.7
77 110.6 126.0 166.0#
79 33.3 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: BF138568.D
Acq: 15 Jul 2024 14:28

Instrument :

BNA_F

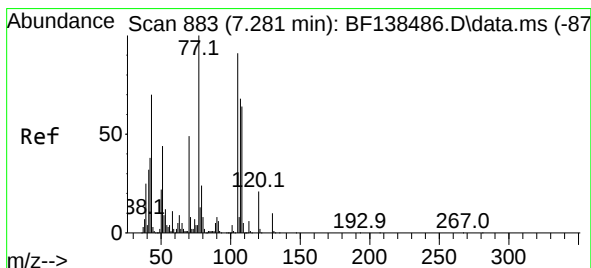
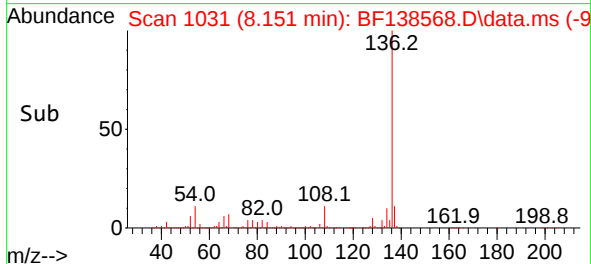
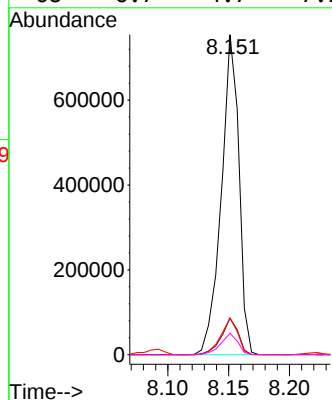
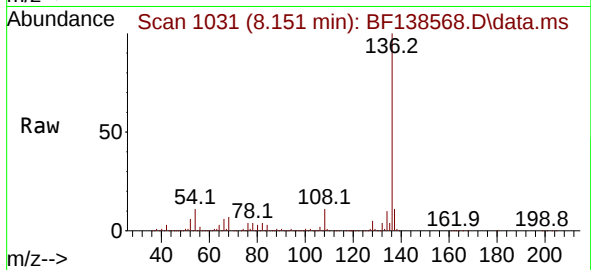
ClientSampleId :

PB162036BS

Tgt Ion:136 Resp: 760055
Ion Ratio Lower Upper
136 100
137 11.4 8.5 12.7
54 11.5 8.1 12.1
68 6.7 4.7 7.1

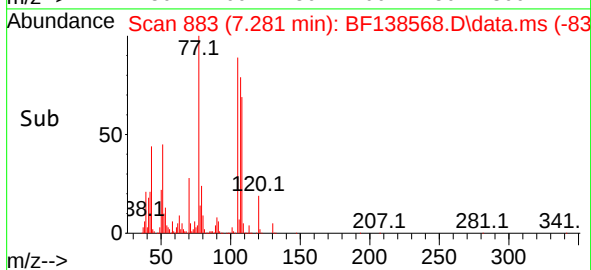
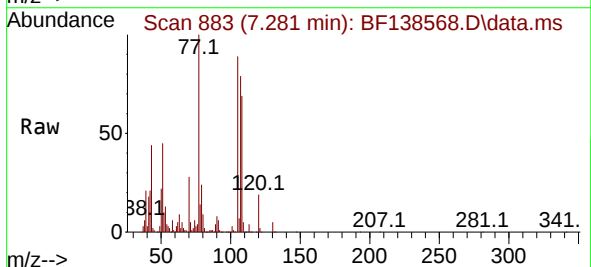
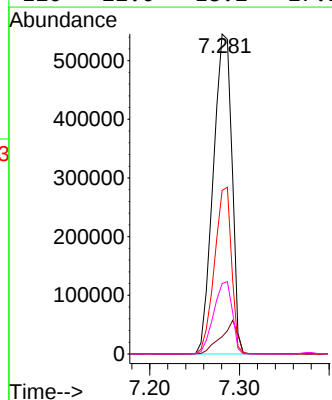
Manual Integrations
APPROVED

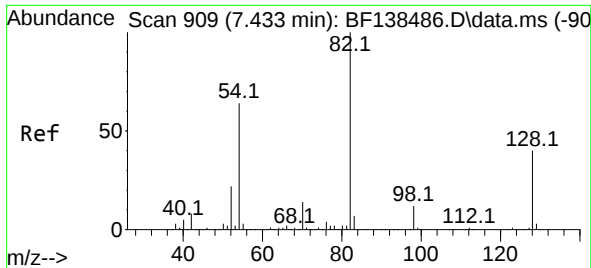
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/16/2024



#22
Acetophenone
Concen: 42.637 ng
RT: 7.281 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

Tgt Ion:105 Resp: 787055
Ion Ratio Lower Upper
105 100
71 5.4 7.4 11.2#
51 51.1 38.7 58.1
120 22.0 18.2 27.2





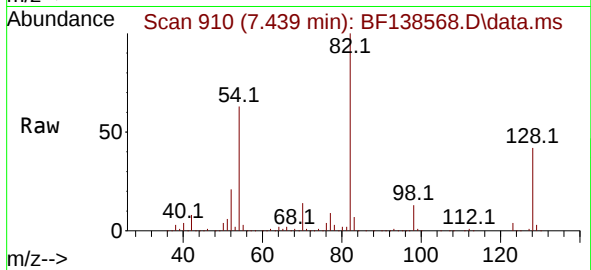
#23
Nitrobenzene-d5
Concen: 82.833 ng
RT: 7.439 min Scan# 910
Delta R.T. 0.006 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

Instrument :

BNA_F

ClientSampleId :

PB162036BS

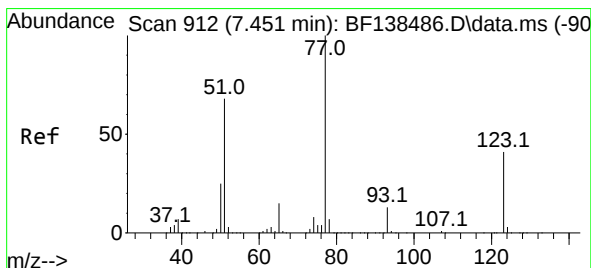
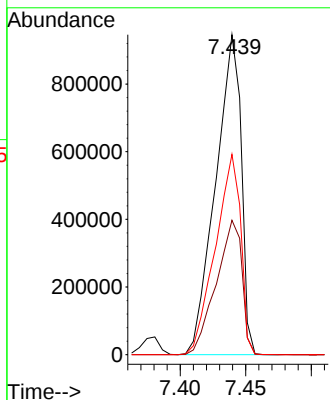
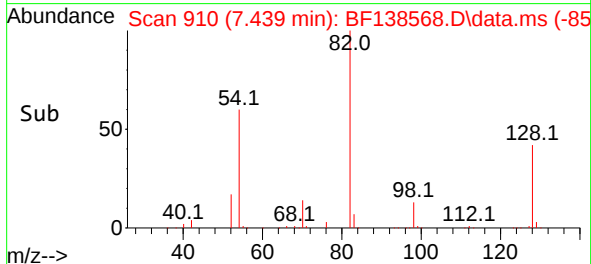


Tgt Ion: 82 Resp: 128229
Ion Ratio Lower Upper
82 100
128 42.0 32.3 48.5
54 62.6 51.4 77.0

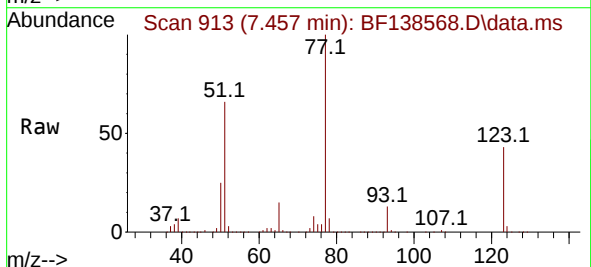
Manual Integrations

APPROVED

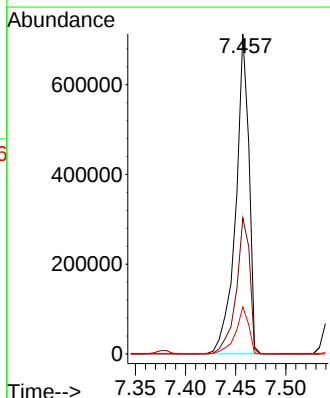
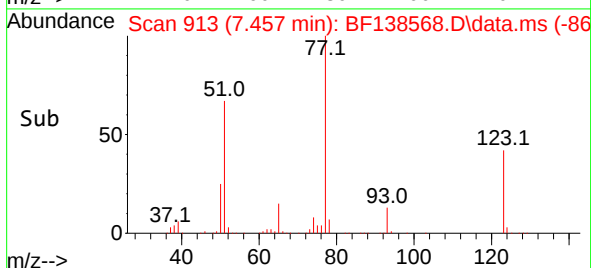
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/16/2024



#24
Nitrobenzene
Concen: 41.274 ng
RT: 7.457 min Scan# 913
Delta R.T. 0.006 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28



Tgt Ion: 77 Resp: 649297
Ion Ratio Lower Upper
77 100
123 42.5 32.4 48.6
65 14.7 11.8 17.8





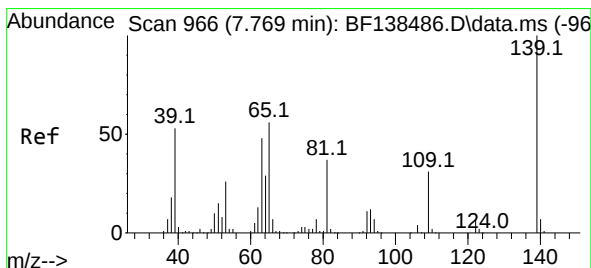
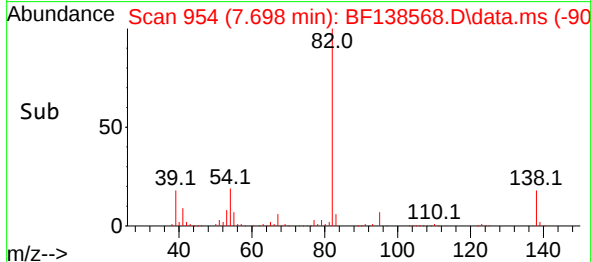
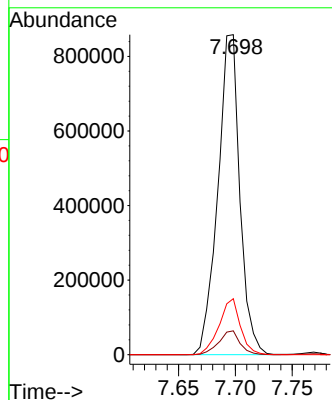
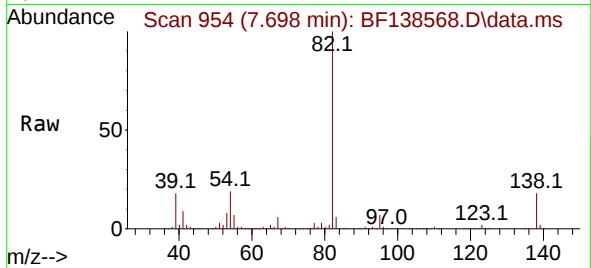
#25
Isophorone
Concen: 43.653 ng
RT: 7.698 min Scan# 954
Delta R.T. 0.012 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

Instrument :
BNA_F
ClientSampleId :
PB162036BS

Tgt Ion: 82 Resp: 1160492
Ion Ratio Lower Upper
82 100
95 7.4 6.0 9.0
138 17.5 12.8 19.2

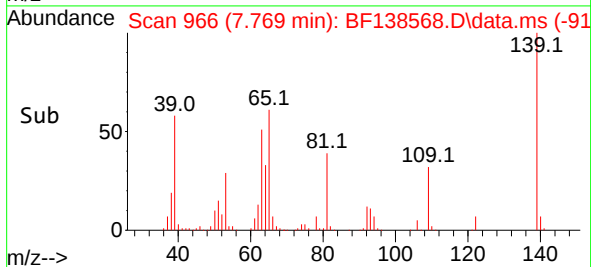
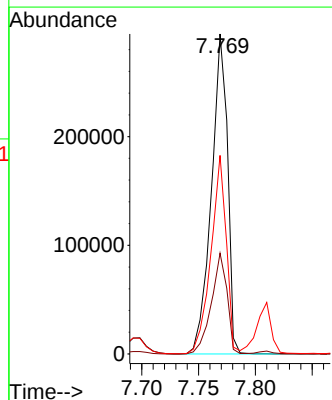
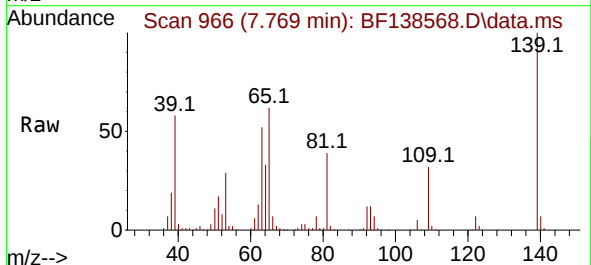
Manual Integrations
APPROVED

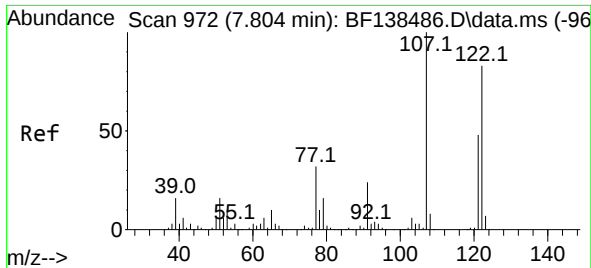
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/16/2024



#26
2-Nitrophenol
Concen: 43.065 ng
RT: 7.769 min Scan# 966
Delta R.T. 0.000 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

Tgt Ion:139 Resp: 290369
Ion Ratio Lower Upper
139 100
109 31.5 24.8 37.2
65 62.1 45.1 67.7





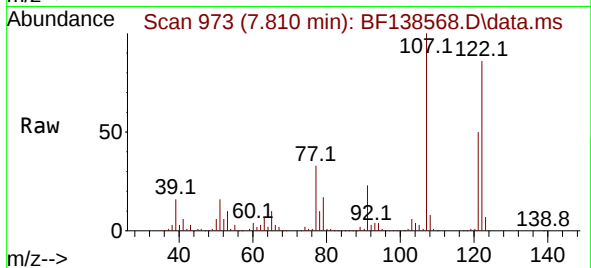
#27
2,4-Dimethylphenol
Concen: 44.016 ng
RT: 7.810 min Scan# 91
Delta R.T. 0.006 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

Instrument :

BNA_F

ClientSampleId :

PB162036BS



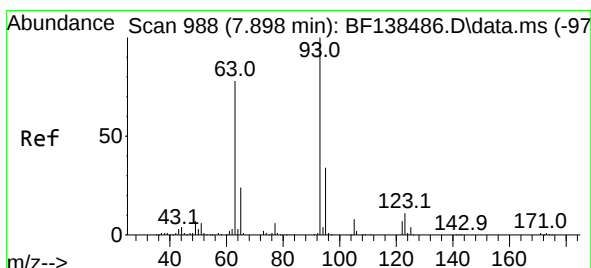
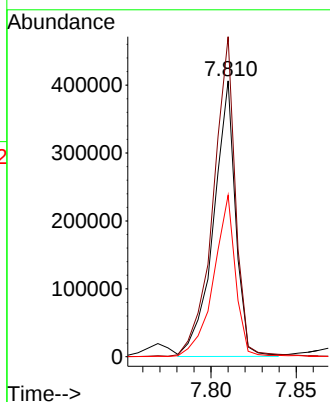
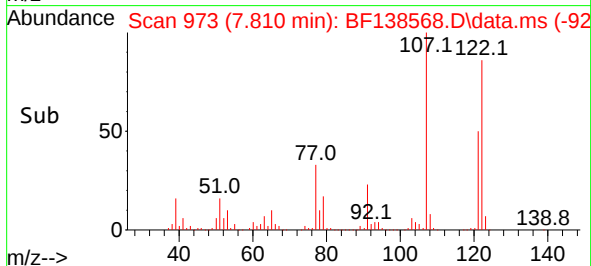
Tgt Ion:122 Resp: 364750
Ion Ratio Lower Upper
122 100
107 116.0 96.3 144.5
121 58.5 46.7 70.1

Manual Integrations

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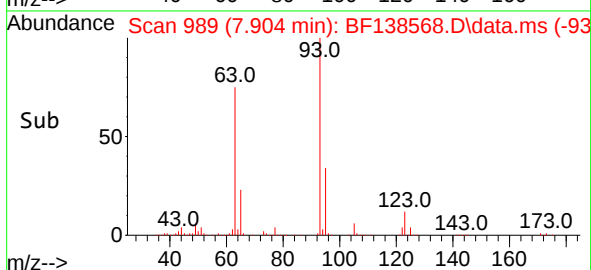
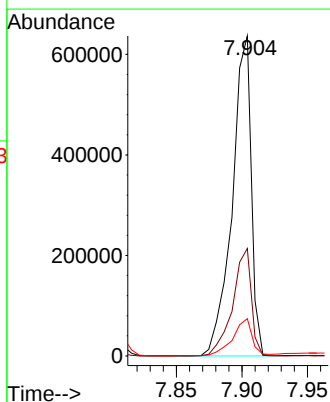
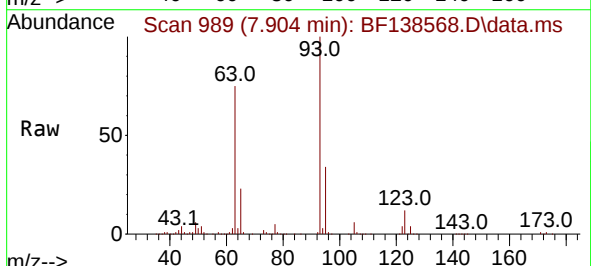
Reviewed By :Yogesh Patel 07/16/2024

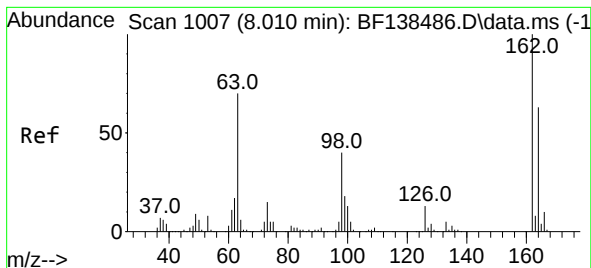
Supervised By :mohammad ahmed 07/16/2024



#28
bis(2-Chloroethoxy)methane
Concen: 40.648 ng
RT: 7.904 min Scan# 989
Delta R.T. 0.006 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

Tgt Ion: 93 Resp: 645807
Ion Ratio Lower Upper
93 100
95 33.6 27.0 40.6
123 11.6 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 40.495 ng

RT: 8.016 min Scan# 1008

Delta R.T. 0.006 min

Lab File: BF138568.D

Acq: 15 Jul 2024 14:28

Instrument :

BNA_F

ClientSampleId :

PB162036BS

Tgt Ion:162 Resp: 435780

Ion Ratio Lower Upper

162 100

164 64.8 42.6 82.6

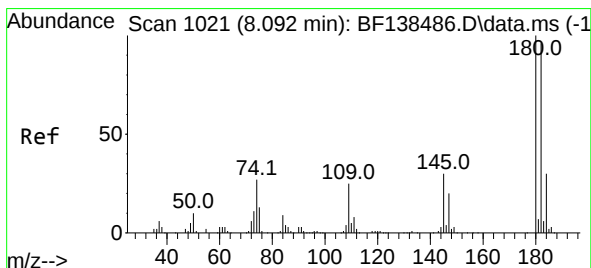
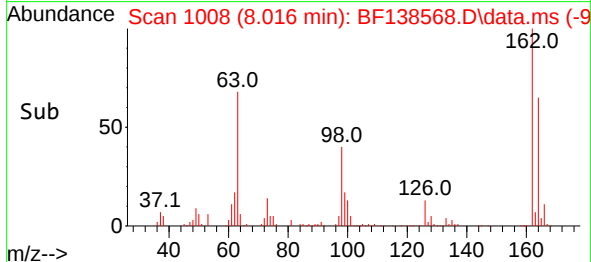
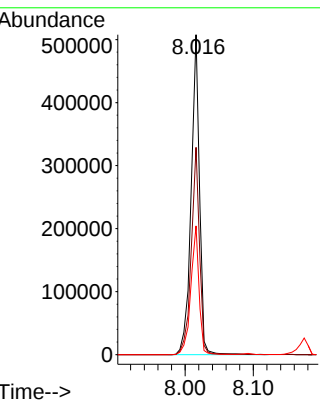
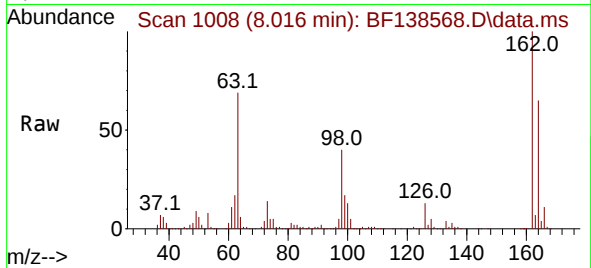
98 40.2 20.1 60.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/16/2024

Supervised By :mohammad ahmed 07/16/2024



#30

1,2,4-Trichlorobenzene

Concen: 39.164 ng

RT: 8.092 min Scan# 1021

Delta R.T. 0.000 min

Lab File: BF138568.D

Acq: 15 Jul 2024 14:28

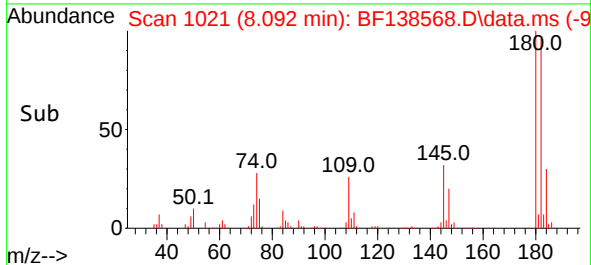
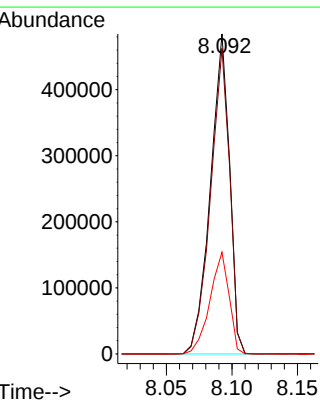
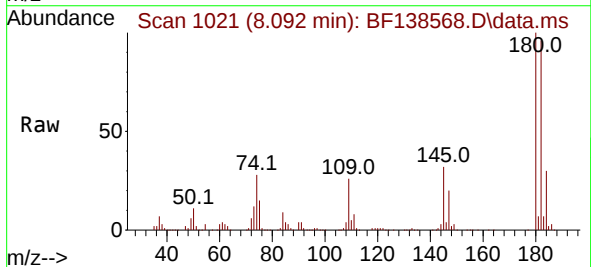
Tgt Ion:180 Resp: 490966

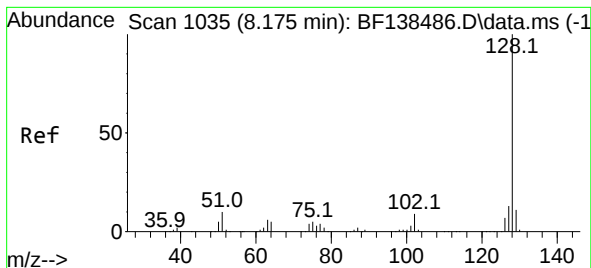
Ion Ratio Lower Upper

180 100

182 95.5 76.9 115.3

145 31.8 23.9 35.9





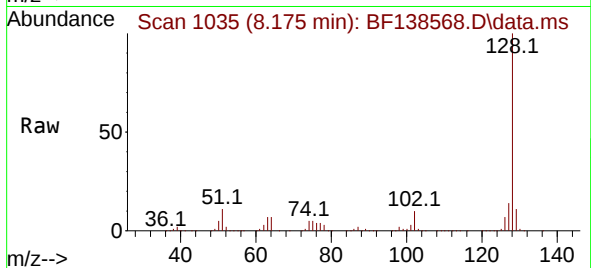
#31
Naphthalene
Concen: 40.779 ng
RT: 8.175 min Scan# 1035
Delta R.T. 0.000 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

Instrument :

BNA_F

ClientSampleId :

PB162036BS



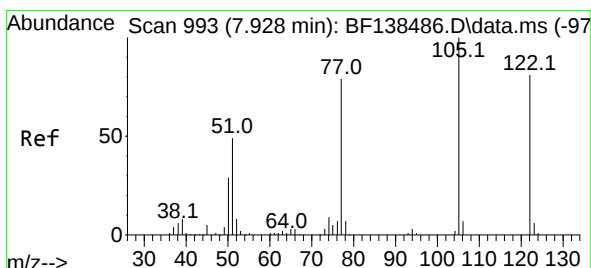
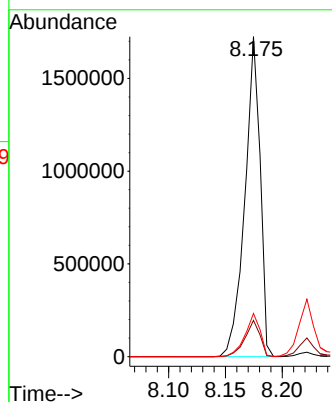
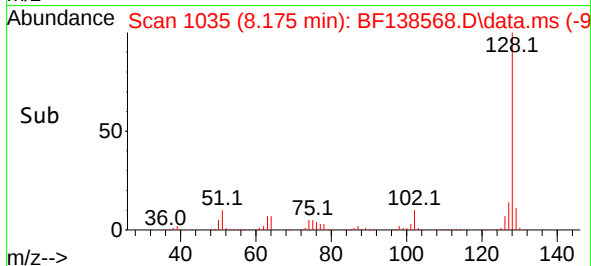
Tgt Ion:128 Resp: 161194
Ion Ratio Lower Upper
128 100
129 11.4 8.6 13.0
127 13.5 10.7 16.1

Manual Integrations

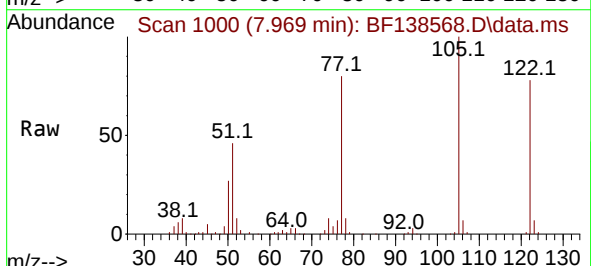
APPROVED

Reviewed By :Yogesh Patel 07/16/2024

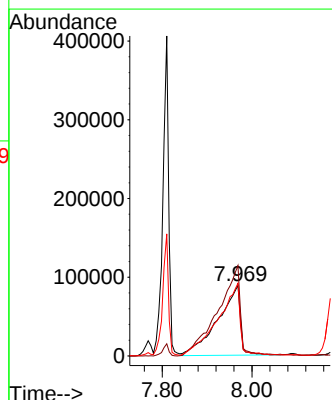
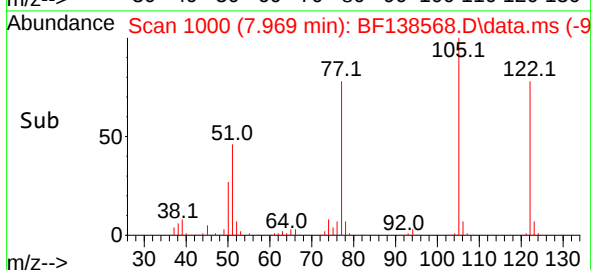
Supervised By :mohammad ahmed 07/16/2024

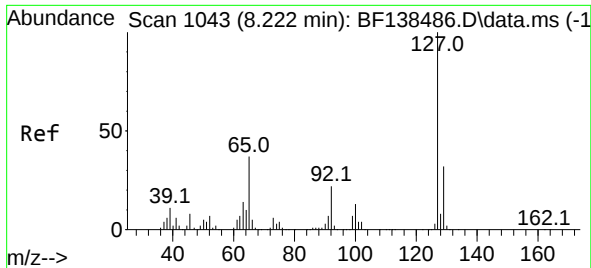


#32
Benzoic acid
Concen: 39.387 ng
RT: 7.969 min Scan# 1000
Delta R.T. 0.041 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28



Tgt Ion:122 Resp: 311309
Ion Ratio Lower Upper
122 100
105 128.1 101.5 141.5
77 103.1 77.3 117.3





#33
4-Chloroaniline
Concen: 24.366 ng
RT: 8.222 min Scan# 1043
Delta R.T. 0.000 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

Instrument :

BNA_F

ClientSampleId :

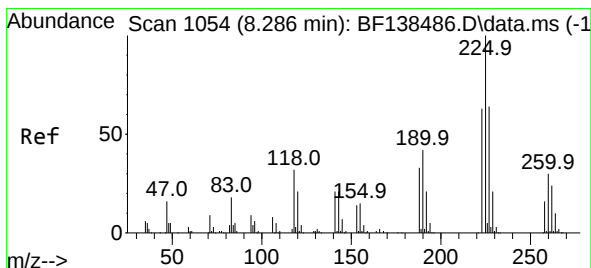
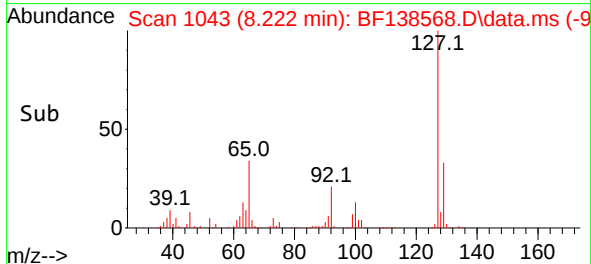
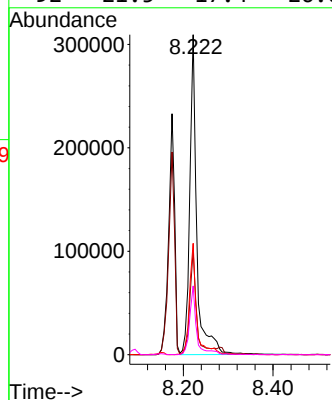
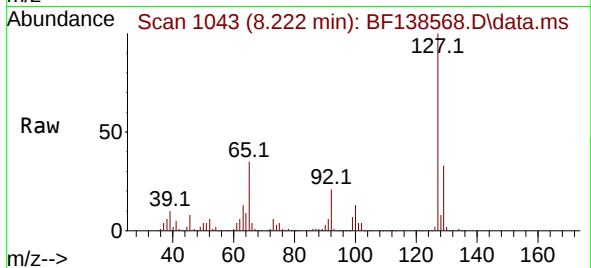
PB162036BS

Tgt Ion:127 Resp: 337945
Ion Ratio Lower Upper
127 100
129 32.6 25.6 38.4
65 34.8 29.6 44.4
92 21.5 17.4 26.0

Manual Integrations

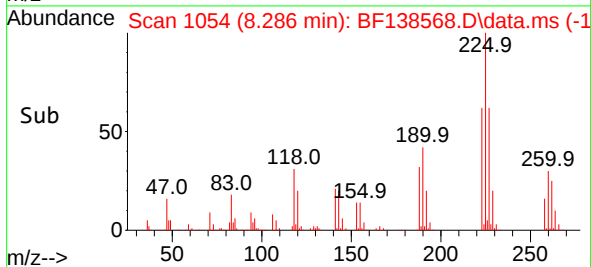
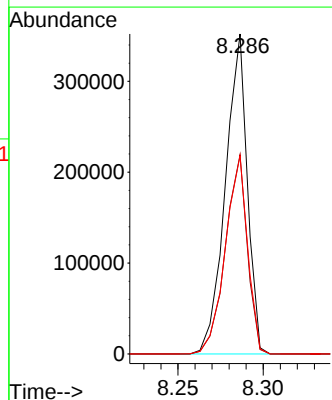
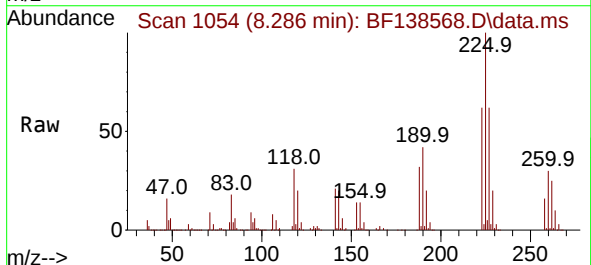
APPROVED

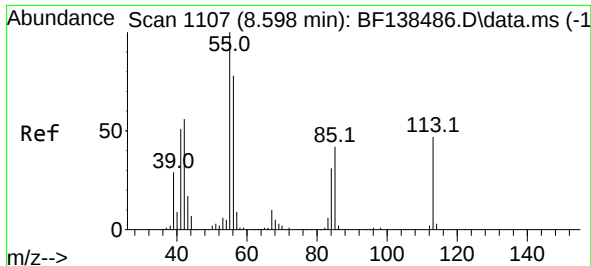
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/16/2024



#34
Hexachlorobutadiene
Concen: 40.707 ng
RT: 8.286 min Scan# 1054
Delta R.T. 0.000 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

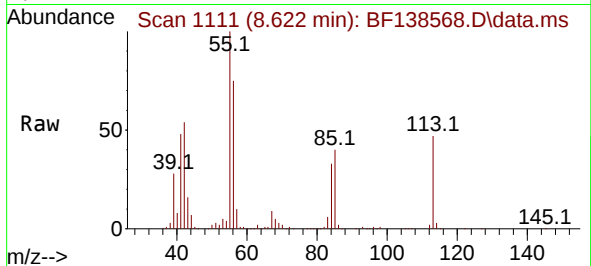
Tgt Ion:225 Resp: 314250
Ion Ratio Lower Upper
225 100
223 62.2 50.0 75.0
227 61.9 51.0 76.6





#35
 Caprolactam
 Concen: 37.997 ng m
 RT: 8.622 min Scan# 1107
 Delta R.T. 0.024 min
 Lab File: BF138568.D
 Acq: 15 Jul 2024 14:28

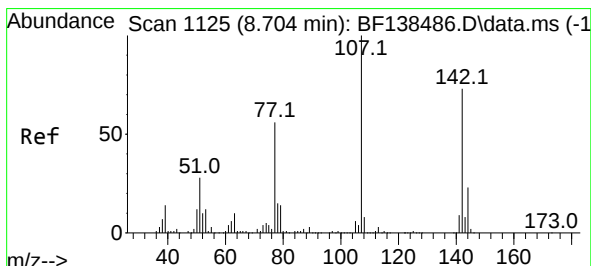
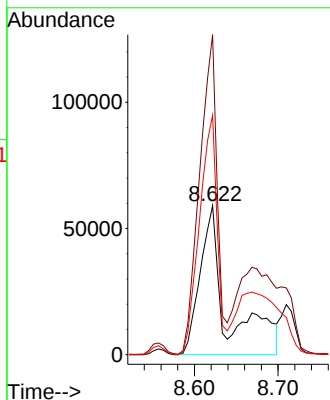
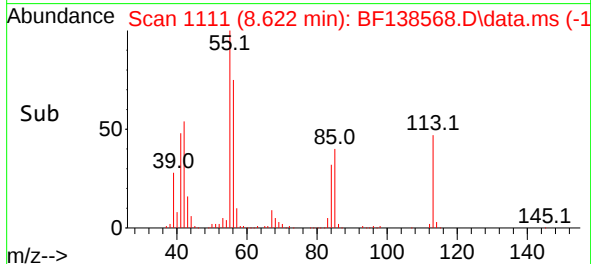
Instrument :
 BNA_F
 ClientSampleId :
 PB162036BS



Tgt Ion:113 Resp: 131940
 Ion Ratio Lower Upper
 113 100
 55 214.9 192.5 232.5
 56 160.7 145.3 185.3

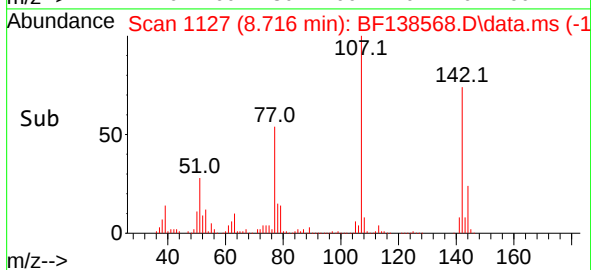
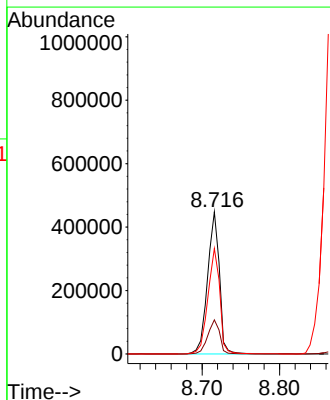
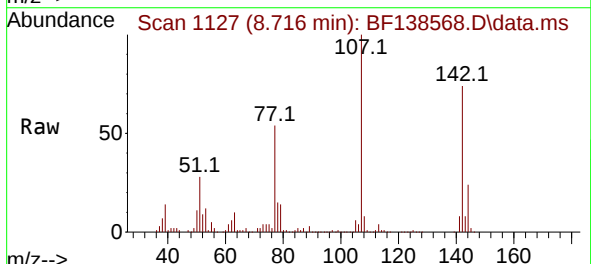
Manual Integrations
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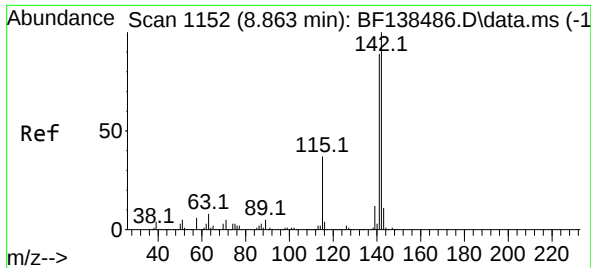
Reviewed By :Yogesh Patel 07/16/2024
 Supervised By :mohammad ahmed 07/16/2024



#36
 4-Chloro-3-methylphenol
 Concen: 39.466 ng
 RT: 8.716 min Scan# 1127
 Delta R.T. 0.012 min
 Lab File: BF138568.D
 Acq: 15 Jul 2024 14:28

Tgt Ion:107 Resp: 475468
 Ion Ratio Lower Upper
 107 100
 144 23.9 18.6 27.8
 142 74.2 58.6 88.0





#37

2-Methylnaphthalene

Concen: 39.699 ng

RT: 8.863 min Scan# 1152

Delta R.T. 0.000 min

Lab File: BF138568.D

Acq: 15 Jul 2024 14:28

Instrument :

BNA_F

ClientSampleId :

PB162036BS

Tgt Ion:142 Resp: 1009870

Ion Ratio Lower Upper

142 100

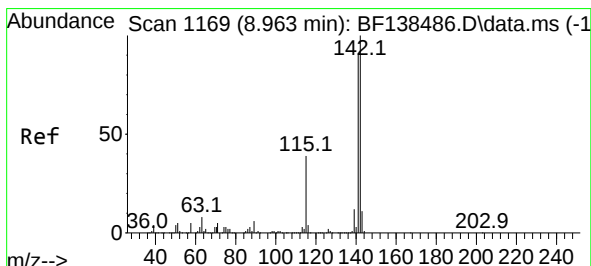
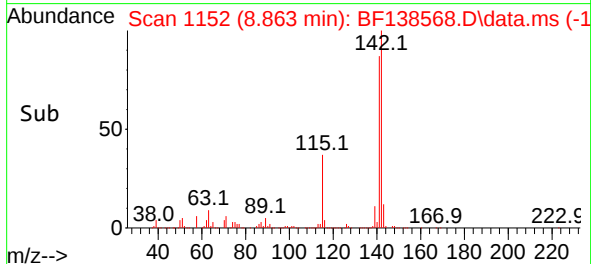
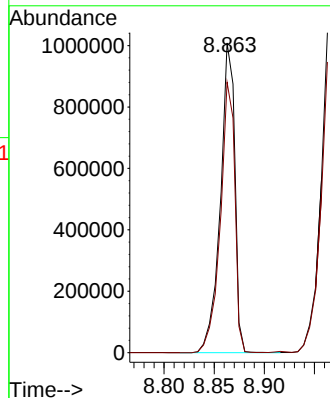
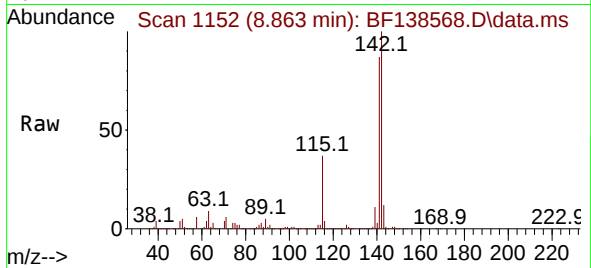
141 87.3 71.4 107.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/16/2024

Supervised By :mohammad ahmed 07/16/2024



#38

1-Methylnaphthalene

Concen: 40.220 ng

RT: 8.963 min Scan# 1169

Delta R.T. 0.000 min

Lab File: BF138568.D

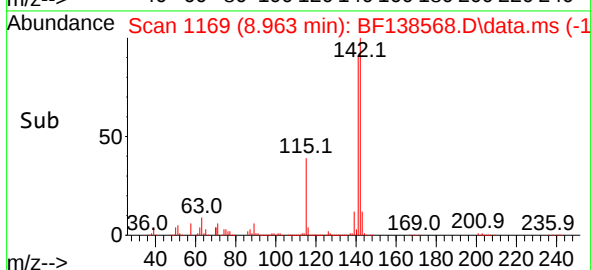
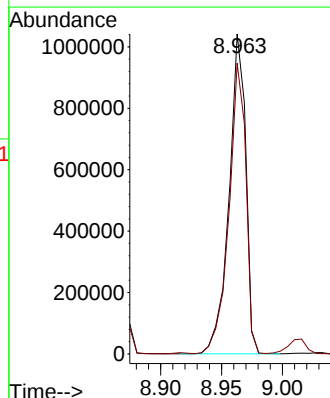
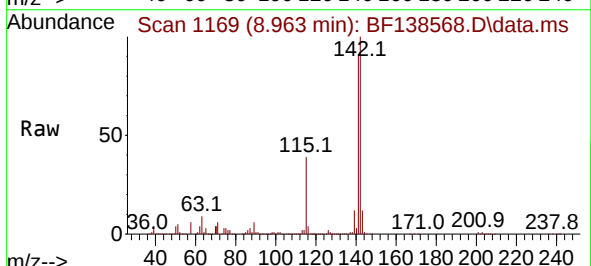
Acq: 15 Jul 2024 14:28

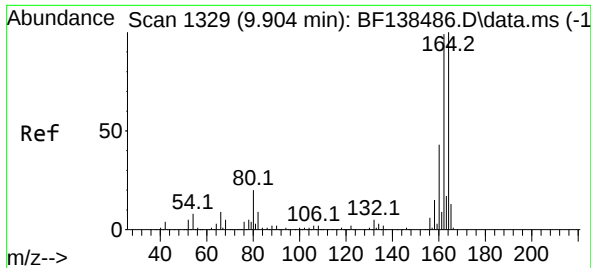
Tgt Ion:142 Resp: 998509

Ion Ratio Lower Upper

142 100

141 90.9 72.6 108.8





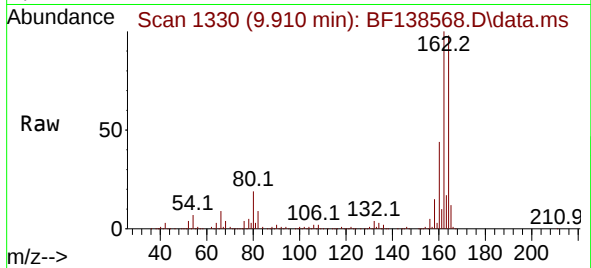
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.910 min Scan# 1181
Delta R.T. 0.006 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

Instrument :

BNA_F

ClientSampleId :

PB162036BS



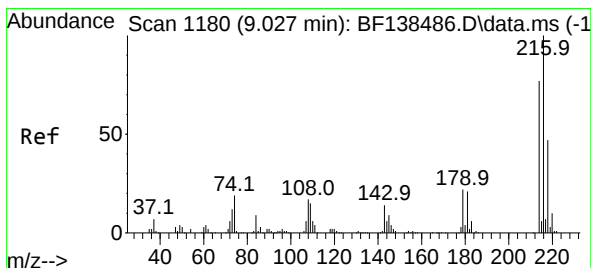
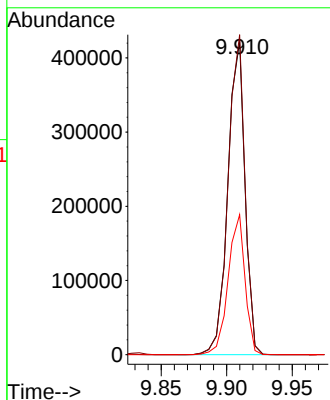
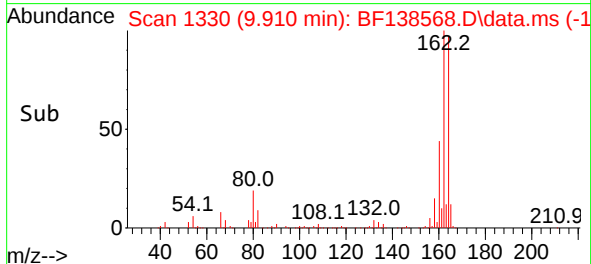
Tgt Ion:164 Resp: 384124
Ion Ratio Lower Upper
164 100
162 102.2 79.0 118.6
160 44.7 34.4 51.6

Manual Integrations

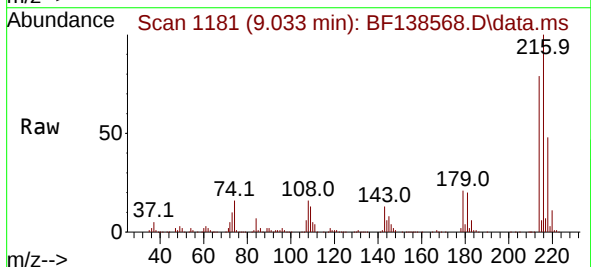
APPROVED

Reviewed By :Yogesh Patel 07/16/2024

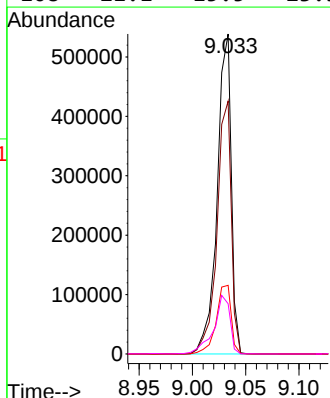
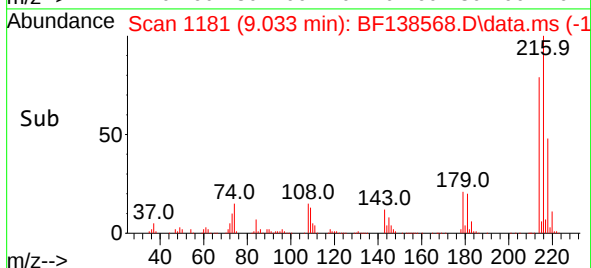
Supervised By :mohammad ahmed 07/16/2024



#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.142 ng
RT: 9.033 min Scan# 1181
Delta R.T. 0.006 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28



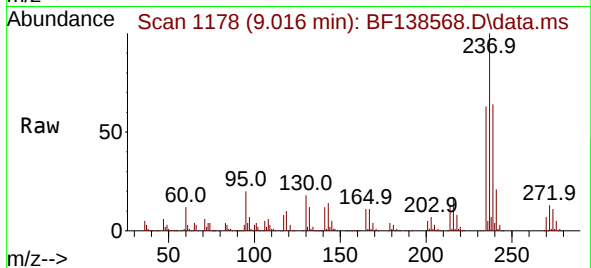
Tgt Ion:216 Resp: 493982
Ion Ratio Lower Upper
216 100
214 80.0 62.8 94.2
179 22.7 17.7 26.5
108 21.1 15.5 23.3





#41
Hexachlorocyclopentadiene
Concen: 114.623 ng
RT: 9.016 min Scan# 1177
Delta R.T. 0.006 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

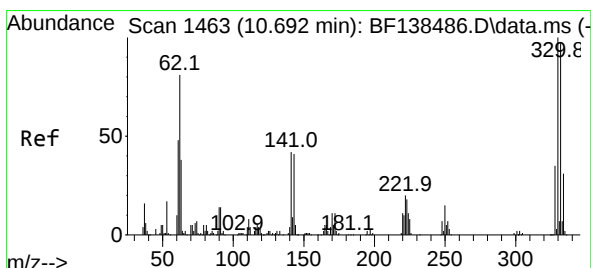
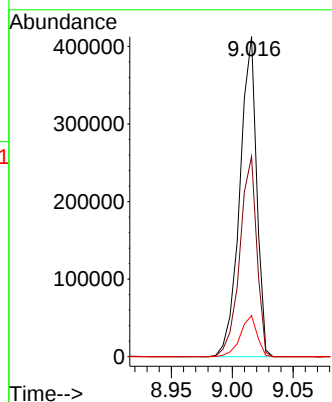
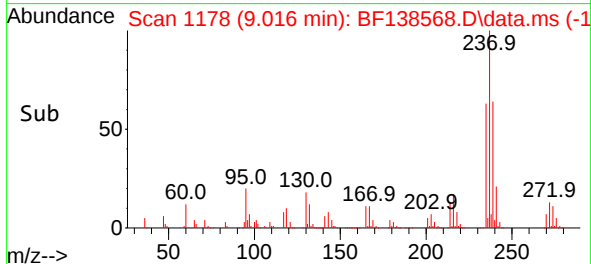
Instrument :
BNA_F
ClientSampleId :
PB162036BS



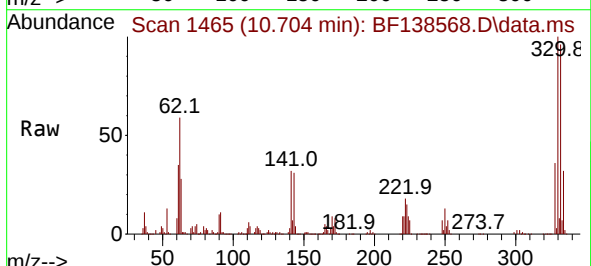
Tgt Ion:237 Resp: 39830
Ion Ratio Lower Upper
237 100
235 62.5 43.3 83.3
272 12.9 0.0 32.3

Manual Integrations
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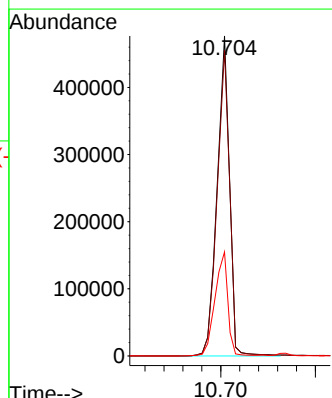
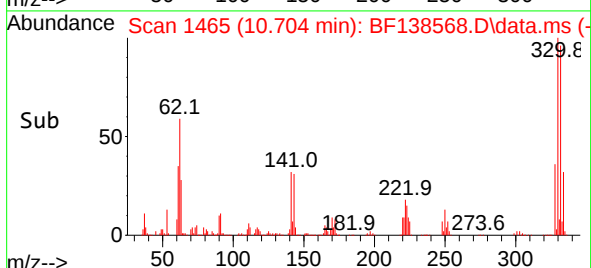
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/16/2024

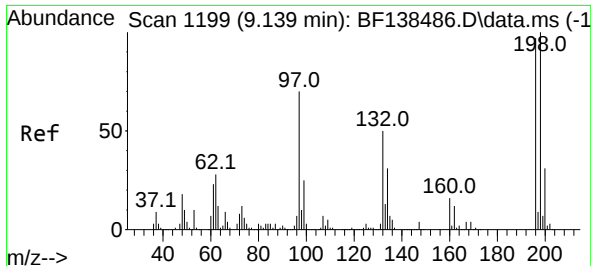


#42
2,4,6-Tribromophenol
Concen: 120.449 ng
RT: 10.704 min Scan# 1465
Delta R.T. 0.012 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28



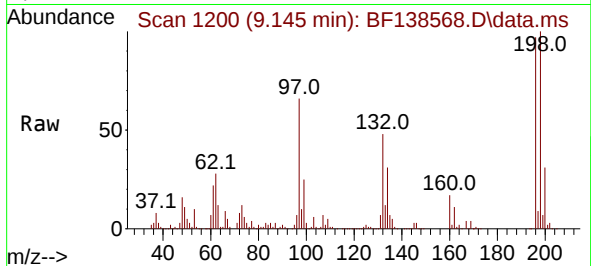
Tgt Ion:330 Resp: 432414
Ion Ratio Lower Upper
330 100
332 97.5 76.8 115.2
141 33.8 29.4 44.2





#43
2,4,6-Trichlorophenol
Concen: 44.100 ng
RT: 9.145 min Scan# 1199
Delta R.T. 0.006 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

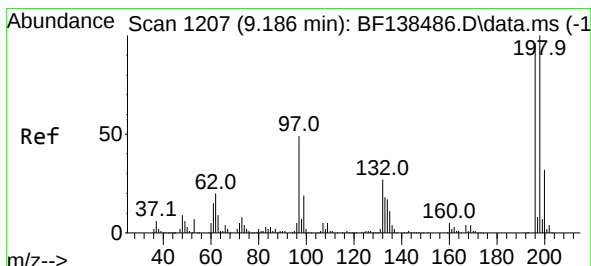
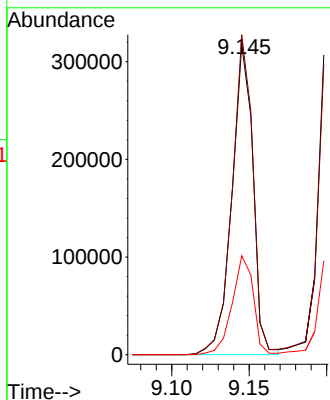
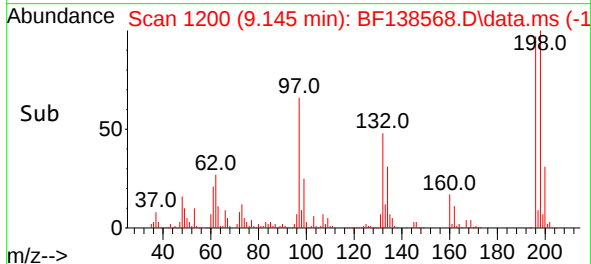
Instrument :
BNA_F
ClientSampleId :
PB162036BS



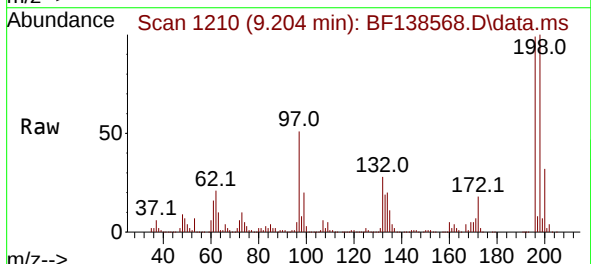
Tgt Ion:196 Resp: 301150
Ion Ratio Lower Upper
196 100
198 103.1 82.3 123.5
200 31.9 25.8 38.6

Manual Integrations
APPROVED

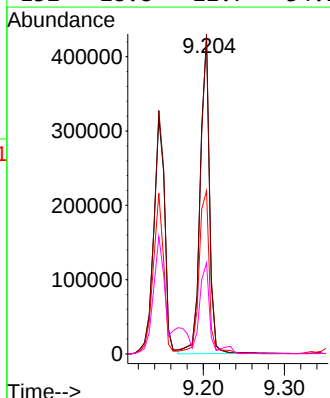
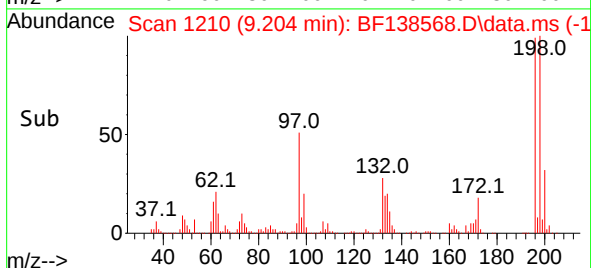
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/16/2024

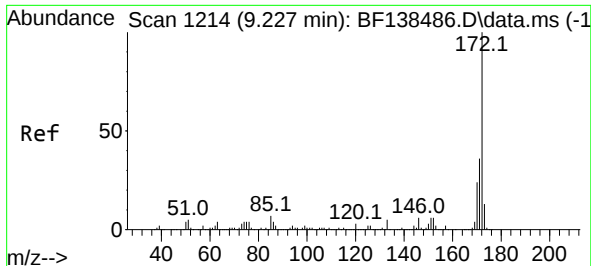


#44
2,4,5-Trichlorophenol
Concen: 44.977 ng
RT: 9.204 min Scan# 1210
Delta R.T. 0.018 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28



Tgt Ion:196 Resp: 337828
Ion Ratio Lower Upper
196 100
198 101.4 82.8 124.2
97 51.7 41.0 61.4
132 28.8 22.7 34.1





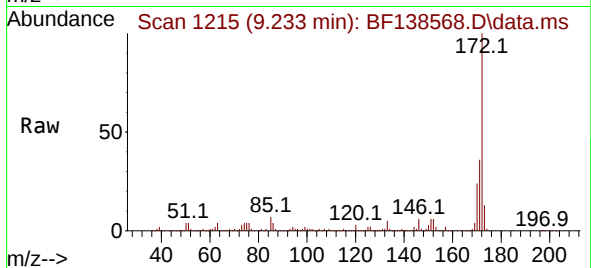
#45
2-Fluorobiphenyl
Concen: 83.075 ng
RT: 9.233 min Scan# 1215
Delta R.T. 0.006 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

Instrument :

BNA_F

ClientSampleId :

PB162036BS



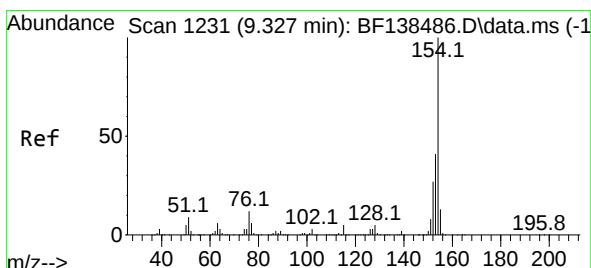
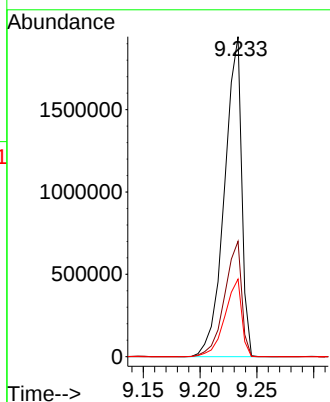
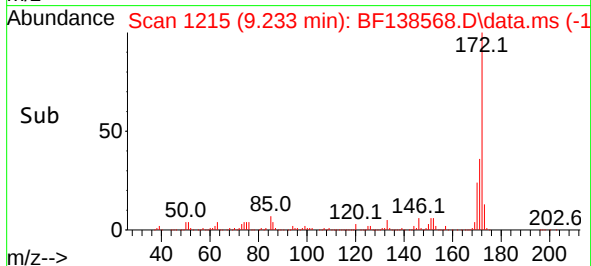
Tgt Ion:172 Resp: 2041779
Ion Ratio Lower Upper
172 100
171 36.1 28.9 43.3
170 24.3 18.9 28.3

Manual Integrations

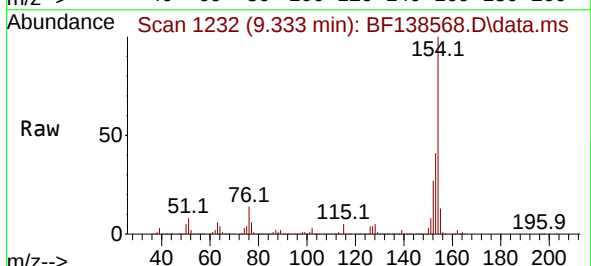
APPROVED

Reviewed By :Yogesh Patel 07/16/2024

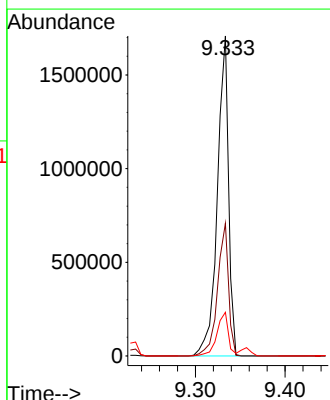
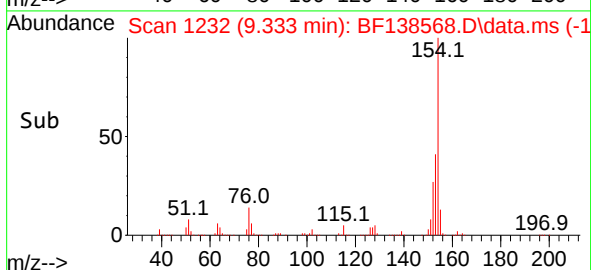
Supervised By :mohammad ahmed 07/16/2024

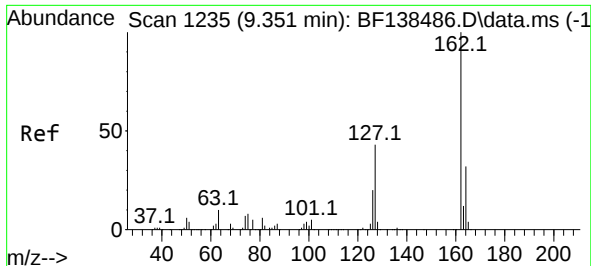


#46
1,1'-Biphenyl
Concen: 50.837 ng
RT: 9.333 min Scan# 1232
Delta R.T. 0.006 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28



Tgt Ion:154 Resp: 1479895
Ion Ratio Lower Upper
154 100
153 41.5 20.7 60.7
76 13.7 0.0 32.2





#47

2-Chloronaphthalene

Concen: 51.133 ng

RT: 9.357 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF138568.D

Acq: 15 Jul 2024 14:28

Instrument :

BNA_F

ClientSampleId :

PB162036BS

Tgt Ion:162 Resp: 1124519

Ion Ratio Lower Upper

162 100

127 43.5 34.8 52.2

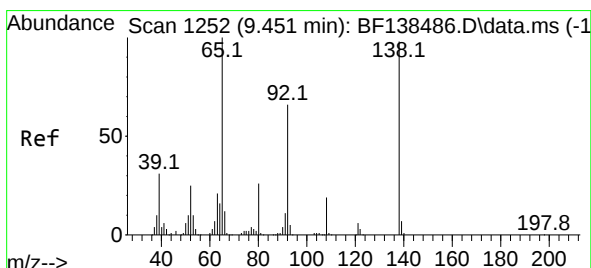
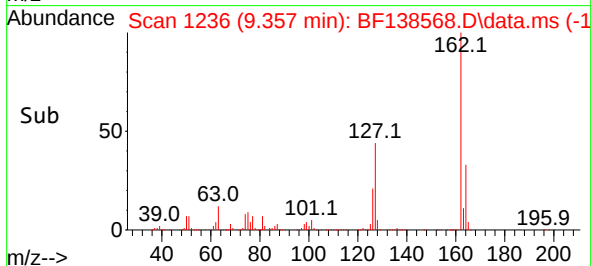
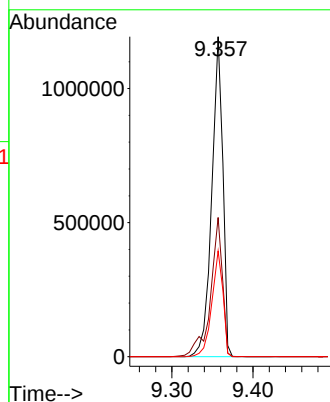
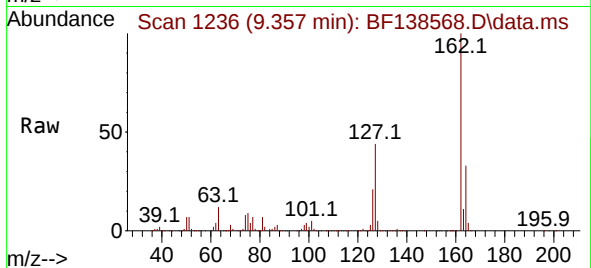
164 33.0 25.6 38.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/16/2024

Supervised By :mohammad ahmed 07/16/2024



#48

2-Nitroaniline

Concen: 48.694 ng

RT: 9.457 min Scan# 1253

Delta R.T. 0.006 min

Lab File: BF138568.D

Acq: 15 Jul 2024 14:28

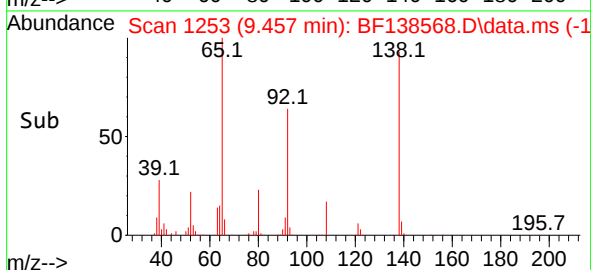
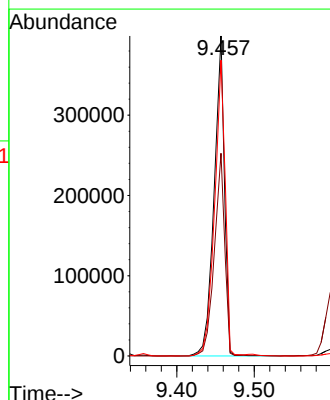
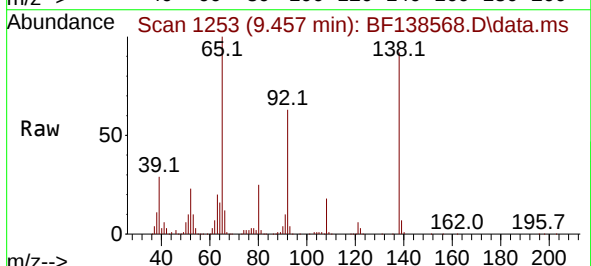
Tgt Ion: 65 Resp: 371086

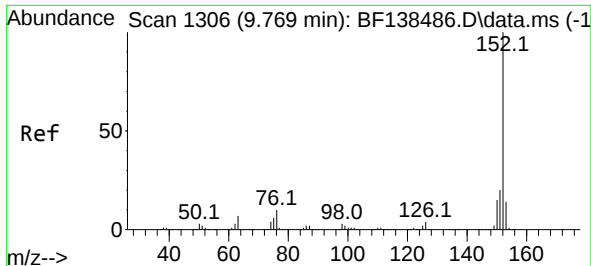
Ion Ratio Lower Upper

65 100

92 63.4 52.6 78.8

138 92.5 78.6 118.0





#49
Acenaphthylene
Concen: 42.773 ng
RT: 9.775 min Scan# 1307
Delta R.T. 0.006 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

Instrument :

BNA_F

ClientSampleId :

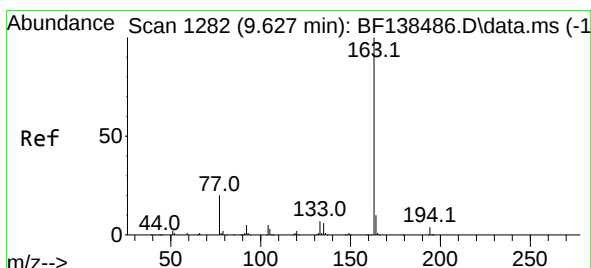
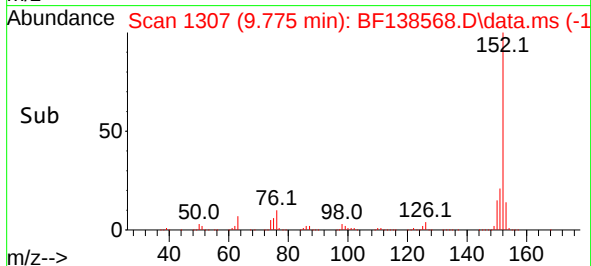
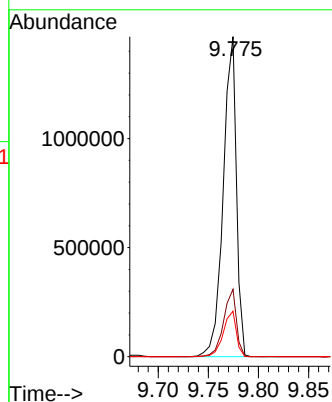
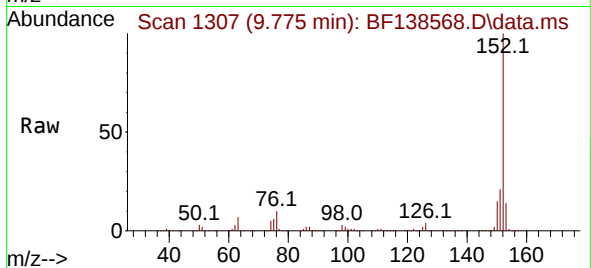
PB162036BS

Tgt Ion:152 Resp: 1335498
Ion Ratio Lower Upper
152 100
151 21.1 16.3 24.5
153 14.2 11.3 16.9

Manual Integrations

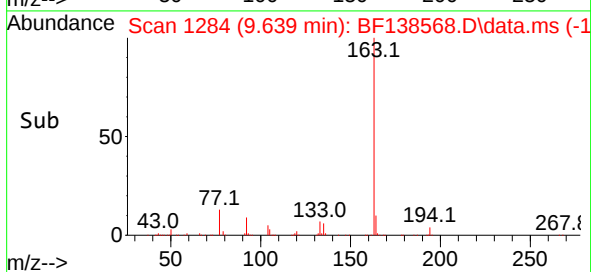
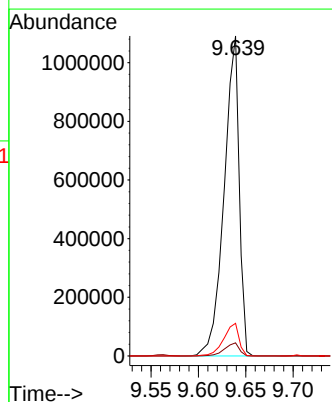
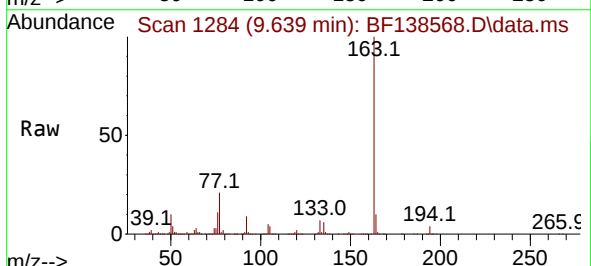
APPROVED

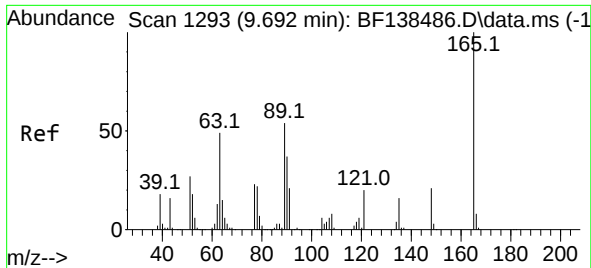
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/16/2024



#50
Dimethylphthalate
Concen: 48.717 ng
RT: 9.639 min Scan# 1284
Delta R.T. 0.012 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

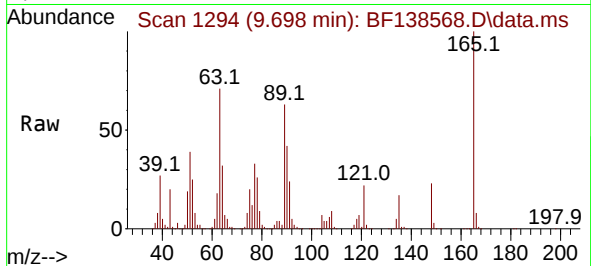
Tgt Ion:163 Resp: 1210036
Ion Ratio Lower Upper
163 100
194 4.1 3.0 4.6
164 10.2 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 41.325 ng
RT: 9.698 min Scan# 1293
Delta R.T. 0.006 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

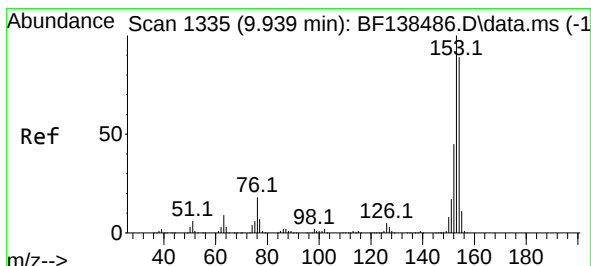
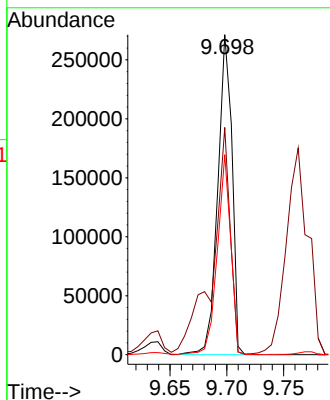
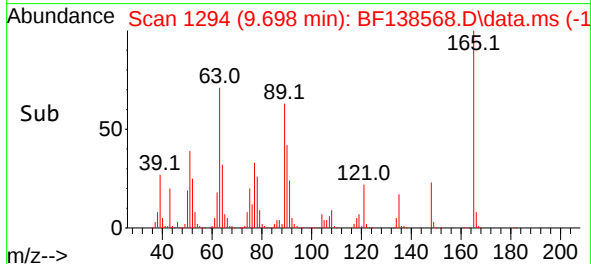
Instrument :
BNA_F
ClientSampleId :
PB162036BS



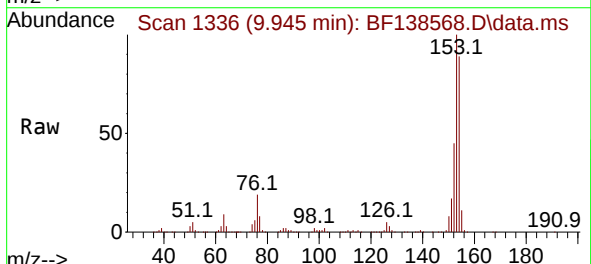
Tgt Ion:165 Resp: 23633
Ion Ratio Lower Upper
165 100
63 71.0 48.1 72.1
89 62.5 43.0 64.6

Manual Integrations
APPROVED

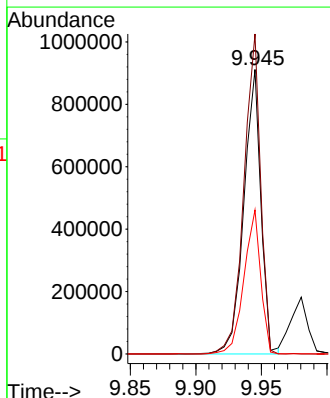
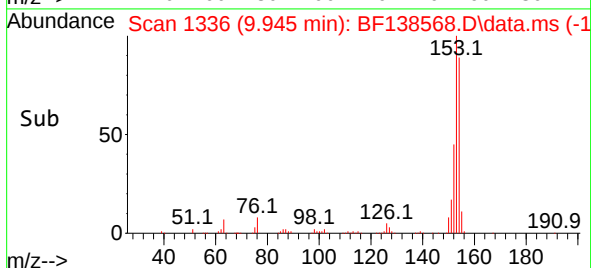
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/16/2024

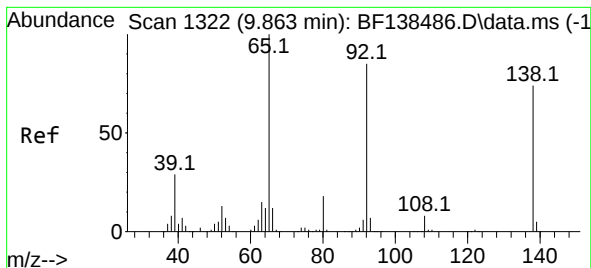


#52
Acenaphthene
Concen: 39.810 ng
RT: 9.945 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28



Tgt Ion:154 Resp: 826250
Ion Ratio Lower Upper
154 100
153 112.5 90.4 135.6
152 50.6 41.1 61.7





#53

3-Nitroaniline

Concen: 29.329 ng

RT: 9.869 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF138568.D

Acq: 15 Jul 2024 14:28

Instrument :

BNA_F

ClientSampleId :

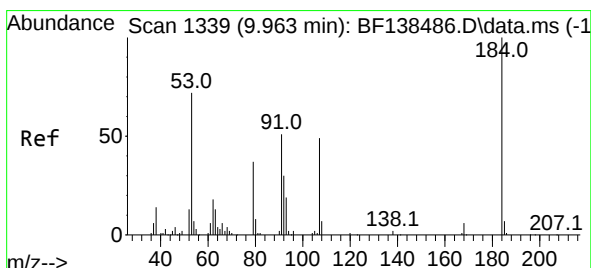
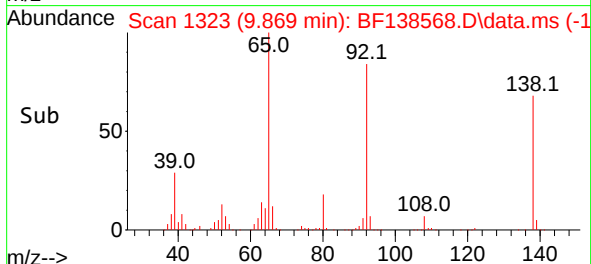
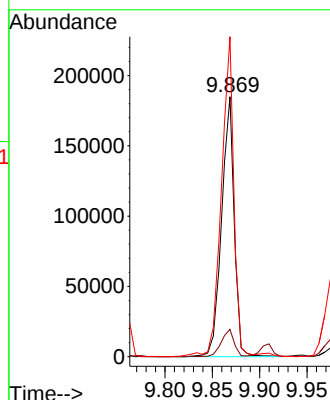
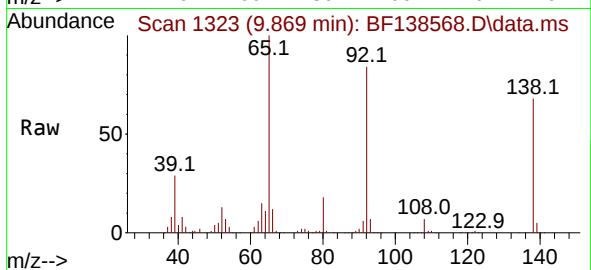
PB162036BS

Tgt Ion:138 Resp: 17191

Ion	Ratio	Lower	Upper
138	100		
108	10.5	8.3	12.5
92	123.0	92.6	138.8

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/16/2024



#54

2,4-Dinitrophenol

Concen: 85.327 ng

RT: 9.980 min Scan# 1342

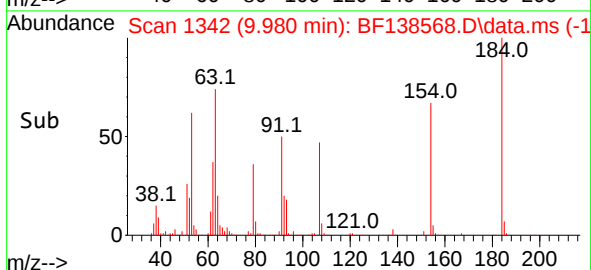
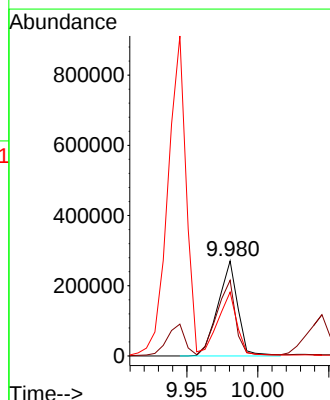
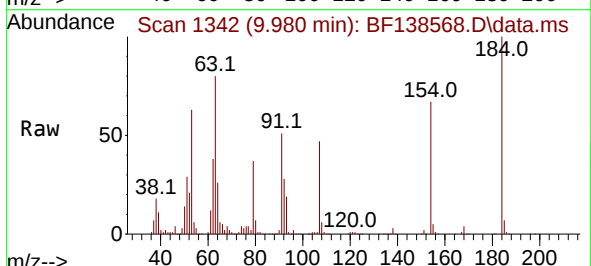
Delta R.T. 0.017 min

Lab File: BF138568.D

Acq: 15 Jul 2024 14:28

Tgt Ion:184 Resp: 262907

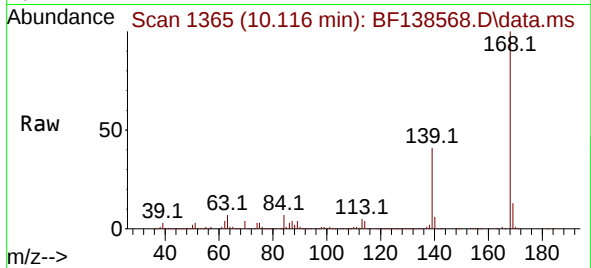
Ion	Ratio	Lower	Upper
184	100		
63	79.7	70.6	106.0
154	67.2	53.8	80.6





#55
Dibenzenofuran
Concen: 40.556 ng
RT: 10.116 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

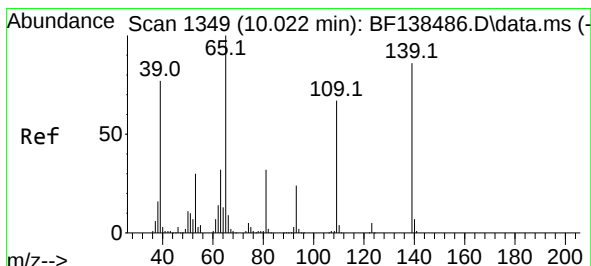
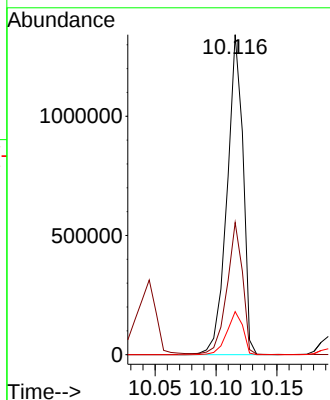
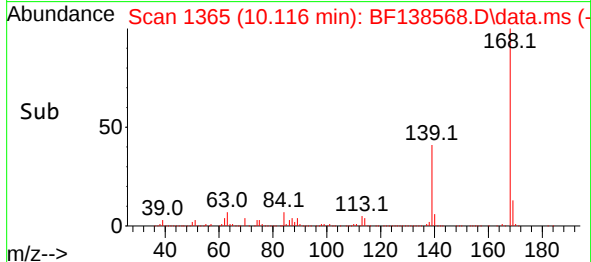
Instrument :
BNA_F
ClientSampleId :
PB162036BS



Tgt Ion:168 Resp: 122089
Ion Ratio Lower Upper
168 100
139 41.3 32.4 48.6
169 13.4 10.9 16.3

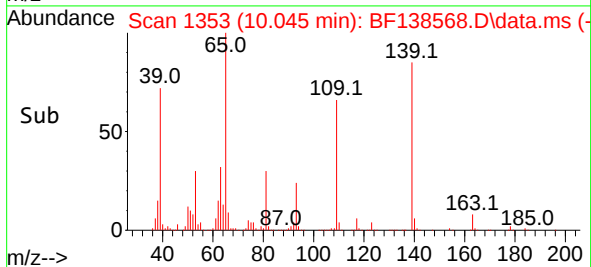
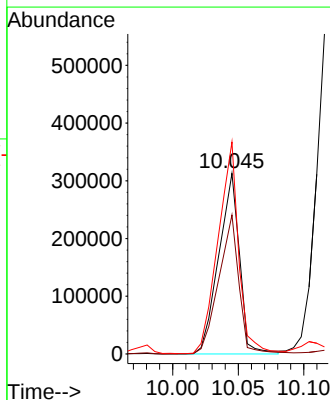
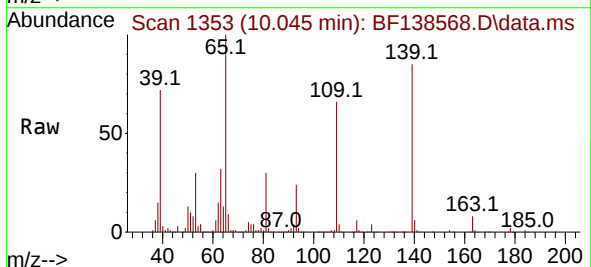
Manual Integrations
APPROVED

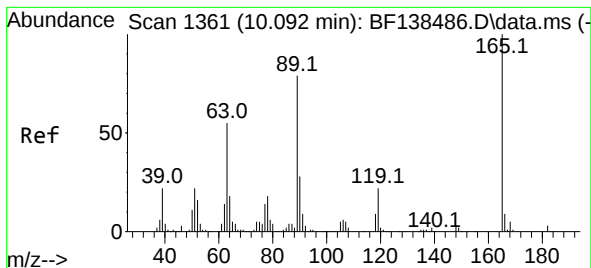
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/16/2024



#56
4-Nitrophenol
Concen: 79.574 ng
RT: 10.045 min Scan# 1353
Delta R.T. 0.024 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

Tgt Ion:139 Resp: 344155
Ion Ratio Lower Upper
139 100
109 76.9 58.1 98.1
65 117.3 96.9 136.9





#57
2,4-Dinitrotoluene
Concen: 41.816 ng
RT: 10.104 min Scan# 1363
Delta R.T. 0.012 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

Instrument :

BNA_F

ClientSampleId :

PB162036BS

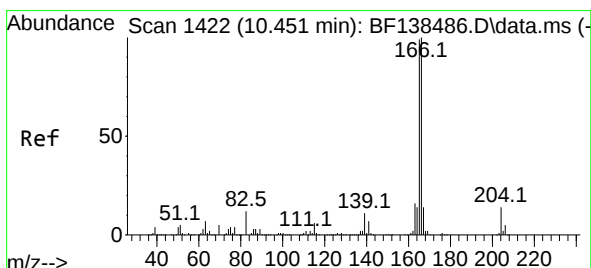
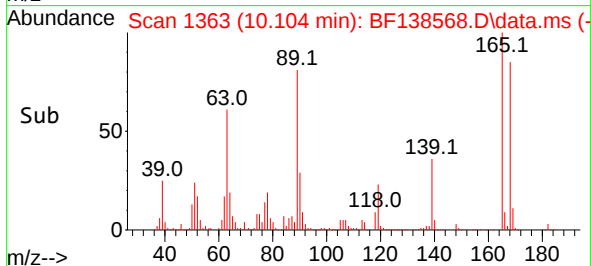
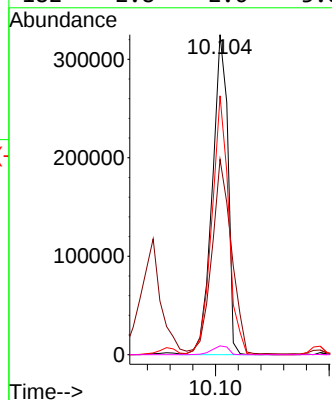
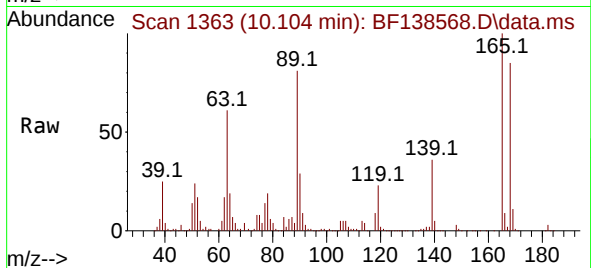
Tgt Ion:165 Resp: 309419
Ion Ratio Lower Upper
165 100
63 61.0 44.6 66.8
89 80.9 63.4 95.2
182 2.8 2.6 3.8

Manual Integrations

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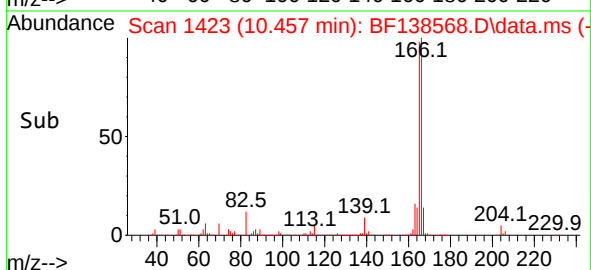
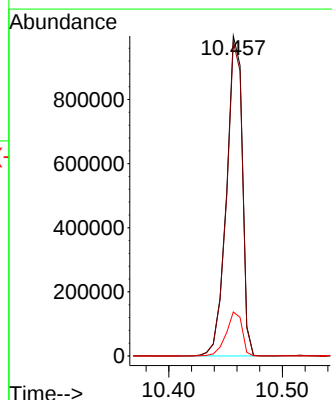
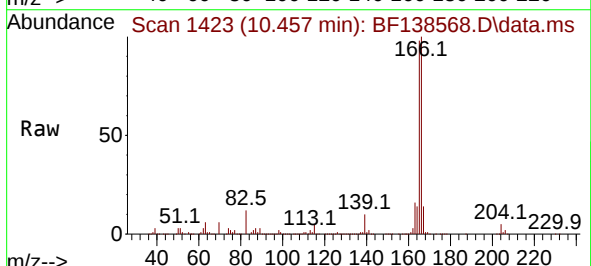
Reviewed By :Yogesh Patel 07/16/2024

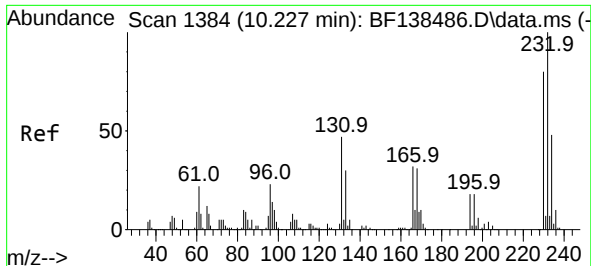
Supervised By :mohammad ahmed 07/16/2024



#58
Fluorene
Concen: 40.600 ng
RT: 10.457 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

Tgt Ion:166 Resp: 967083
Ion Ratio Lower Upper
166 100
165 98.1 79.1 118.7
167 13.8 11.0 16.6





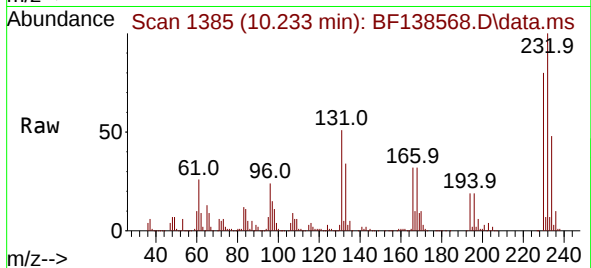
#59
2,3,4,6-Tetrachlorophenol
Concen: 43.303 ng
RT: 10.233 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

Instrument :

BNA_F

ClientSampleId :

PB162036BS



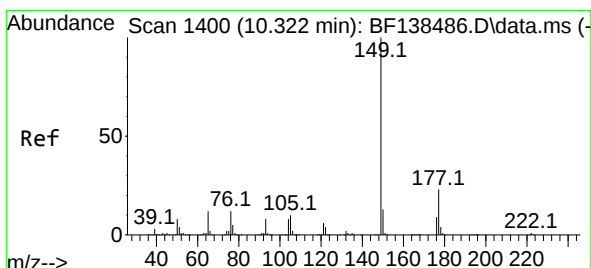
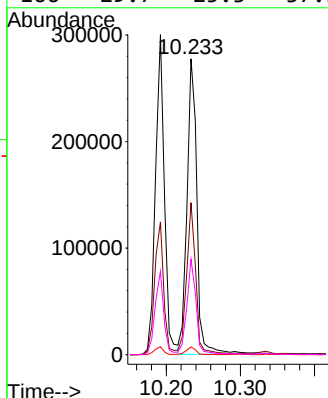
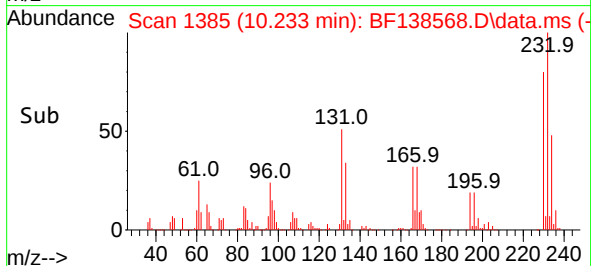
Tgt Ion:232 Resp: 256692
Ion Ratio Lower Upper
232 100
131 47.7 37.5 56.3
130 2.6 2.0 3.0
166 29.7 25.3 37.9

Manual Integrations

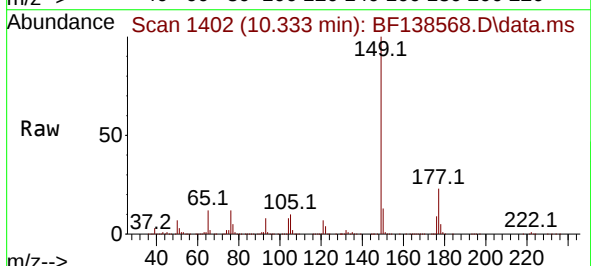
APPROVED

Reviewed By :Yogesh Patel 07/16/2024

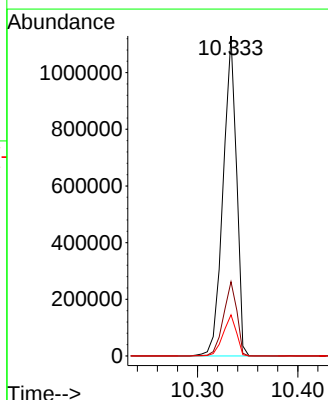
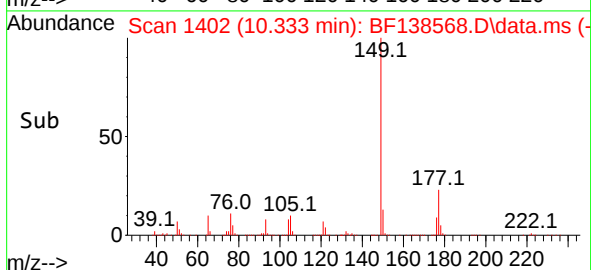
Supervised By :mohammad ahmed 07/16/2024

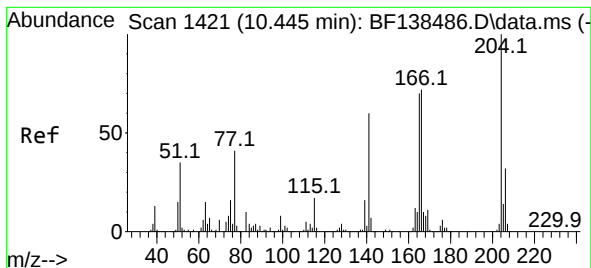


#60
Diethylphthalate
Concen: 43.596 ng
RT: 10.333 min Scan# 1402
Delta R.T. 0.012 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28



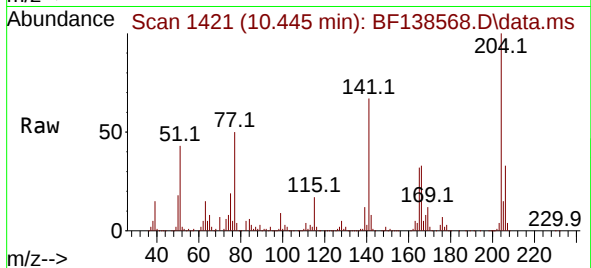
Tgt Ion:149 Resp: 1043909
Ion Ratio Lower Upper
149 100
177 23.2 18.5 27.7
150 12.9 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 40.581 ng
RT: 10.445 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

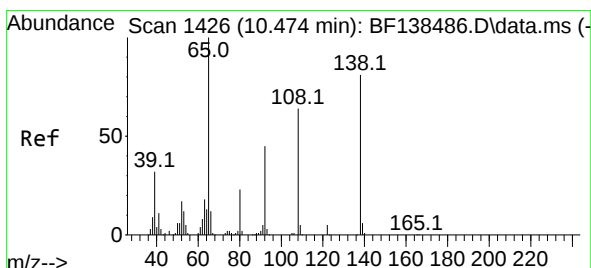
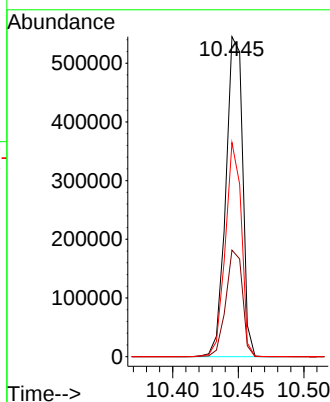
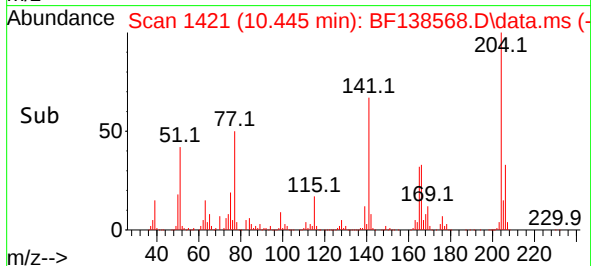
Instrument :
BNA_F
ClientSampleId :
PB162036BS



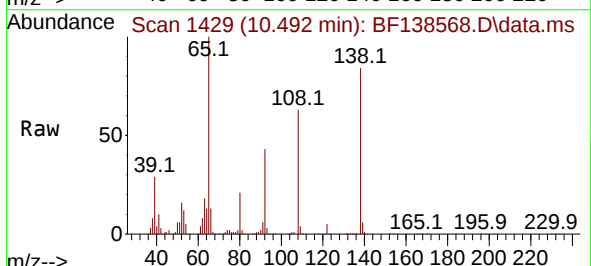
Tgt Ion:204 Resp: 48539
Ion Ratio Lower Upper
204 100
206 33.3 25.6 38.4
141 66.9 47.7 71.5

Manual Integrations
APPROVED

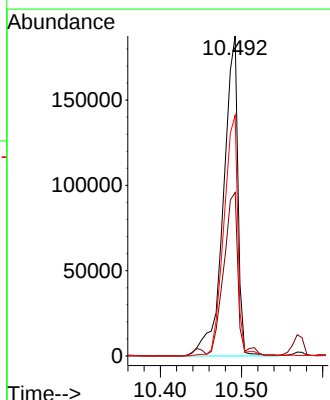
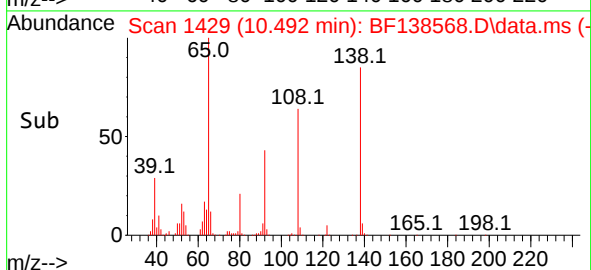
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/16/2024

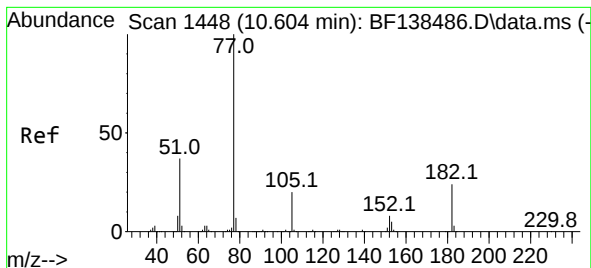


#62
4-Nitroaniline
Concen: 39.672 ng
RT: 10.492 min Scan# 1429
Delta R.T. 0.018 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28



Tgt Ion:138 Resp: 233021
Ion Ratio Lower Upper
138 100
92 51.1 35.8 75.8
108 75.2 59.8 99.8





#63
Azobenzene
Concen: 42.772 ng
RT: 10.610 min Scan# 1448
Delta R.T. 0.006 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

Instrument :

BNA_F

ClientSampleId :

PB162036BS

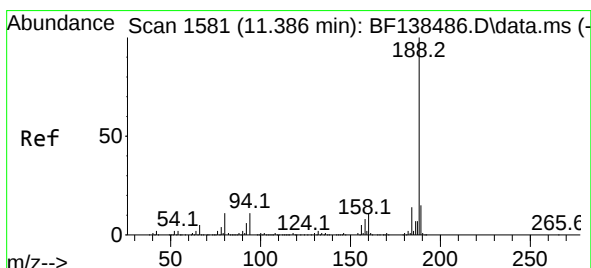
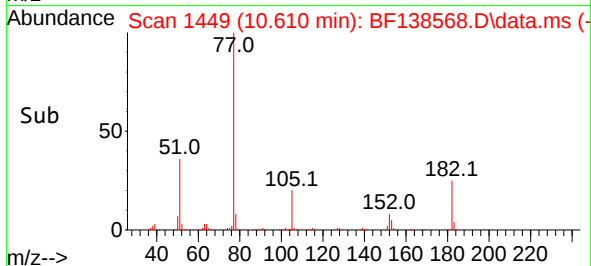
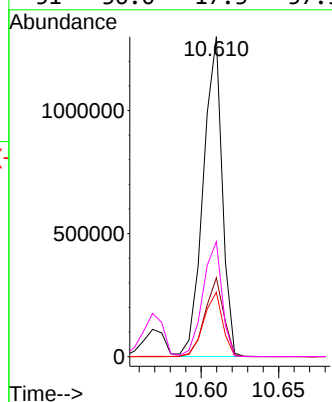
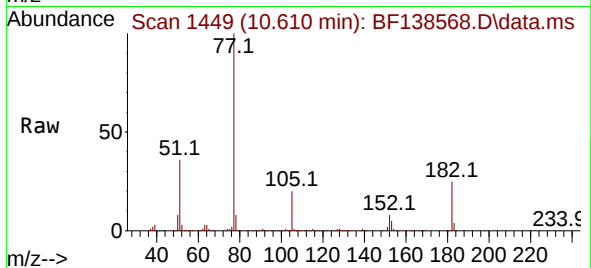
Tgt Ion: 77 Resp: 110113
Ion Ratio Lower Upper
77 100
182 24.6 3.8 43.8
105 20.1 0.0 39.8
51 36.0 17.3 57.3

Manual Integrations

APPROVED

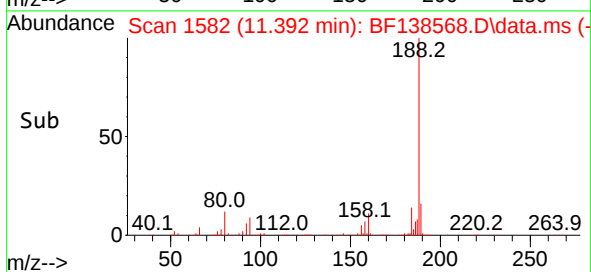
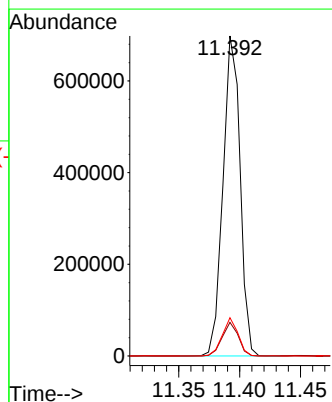
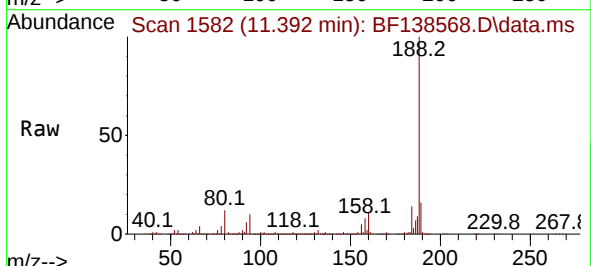
Reviewed By :Yogesh Patel 07/16/2024

Supervised By :mohammad ahmed 07/16/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1582
Delta R.T. 0.006 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

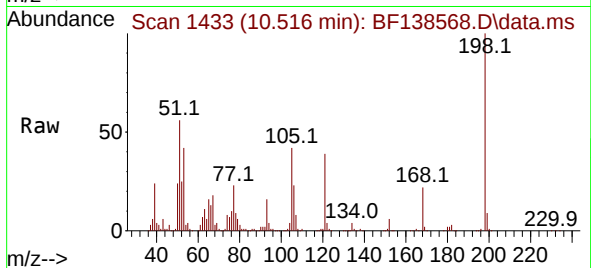
Tgt Ion:188 Resp: 682436
Ion Ratio Lower Upper
188 100
94 10.5 8.7 13.1
80 11.9 9.0 13.4





#65
4,6-Dinitro-2-methylphenol
Concen: 48.113 ng
RT: 10.516 min Scan# 1431
Delta R.T. 0.012 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

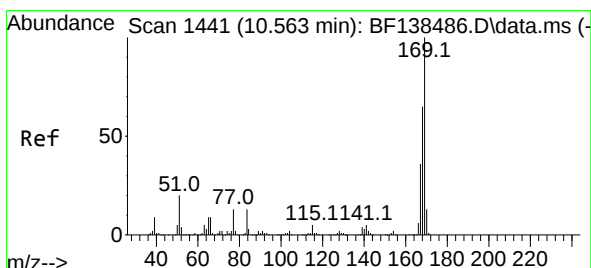
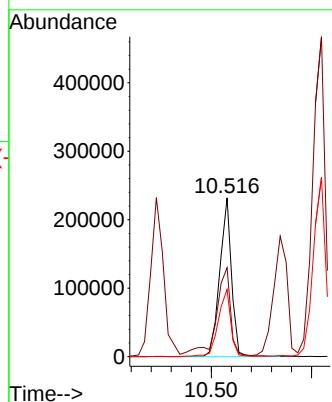
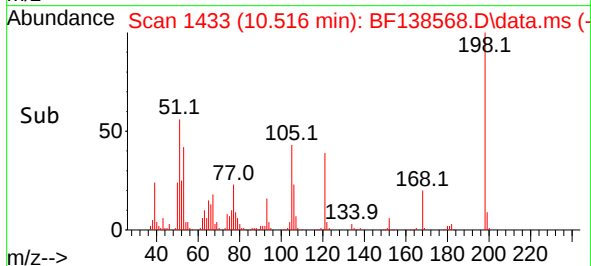
Instrument :
BNA_F
ClientSampleId :
PB162036BS



Tgt Ion:198 Resp: 189580
Ion Ratio Lower Upper
198 100
51 56.0 27.2 67.2
105 42.3 18.5 58.5

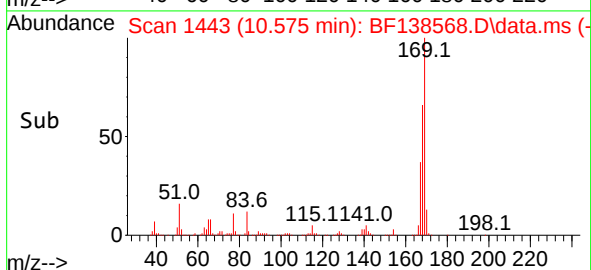
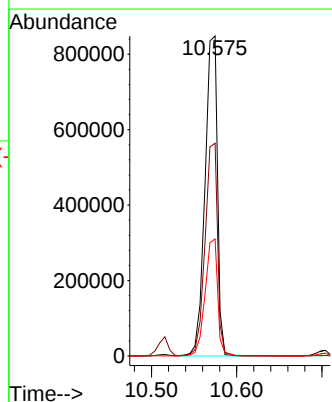
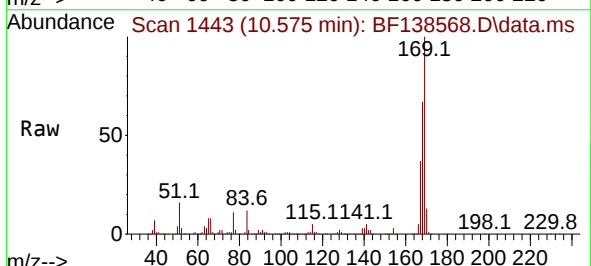
Manual Integrations
APPROVED

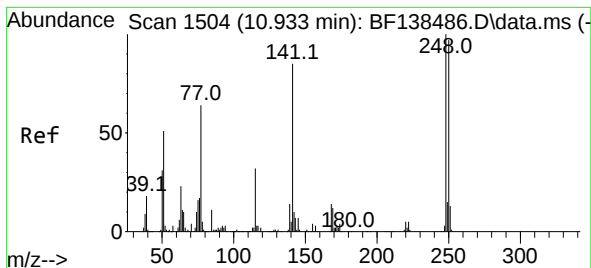
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/16/2024



#66
n-Nitrosodiphenylamine
Concen: 42.026 ng
RT: 10.575 min Scan# 1443
Delta R.T. 0.012 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

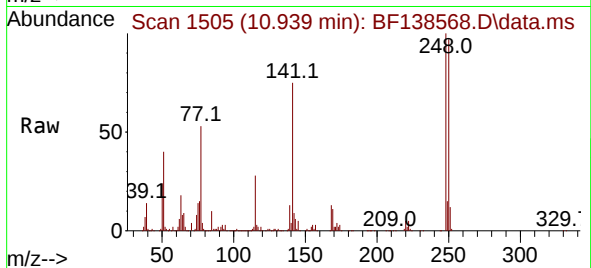
Tgt Ion:169 Resp: 859269
Ion Ratio Lower Upper
169 100
168 66.5 51.7 77.5
167 36.6 28.5 42.7





#67
4-Bromophenyl-phenylether
Concen: 42.605 ng
RT: 10.939 min Scan# 1505
Delta R.T. 0.006 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

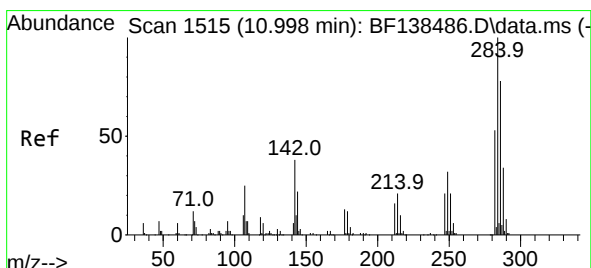
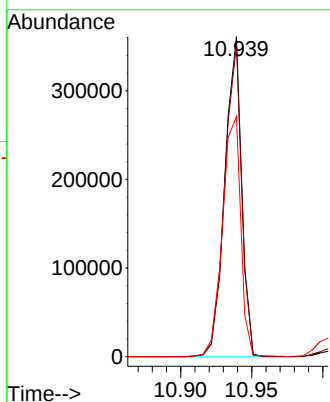
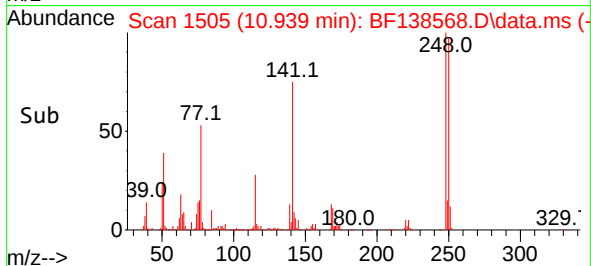
Instrument :
BNA_F
ClientSampleId :
PB162036BS



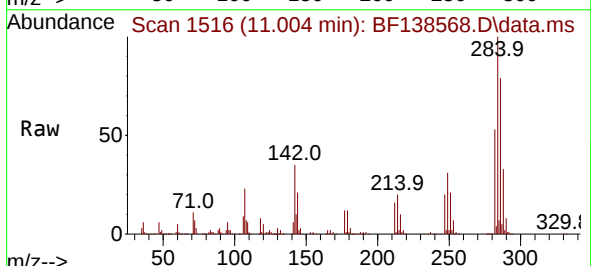
Tgt Ion:248 Resp: 29883
Ion Ratio Lower Upper
248 100
250 97.4 77.9 116.9
141 75.1 67.7 101.5

Manual Integrations
APPROVED

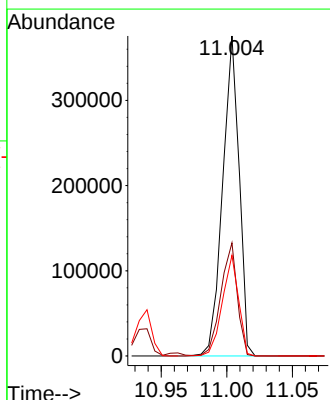
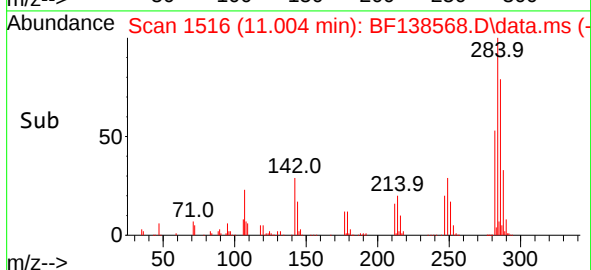
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/16/2024

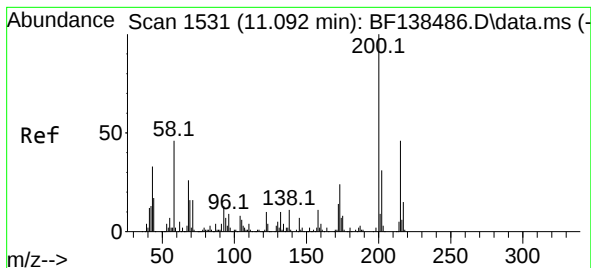


#68
Hexachlorobenzene
Concen: 41.889 ng
RT: 11.004 min Scan# 1516
Delta R.T. 0.006 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28



Tgt Ion:284 Resp: 326409
Ion Ratio Lower Upper
284 100
142 35.4 30.5 45.7
249 31.4 25.9 38.9





#69

Atrazine

Concen: 36.948 ng

RT: 11.098 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF138568.D

Acq: 15 Jul 2024 14:28

Instrument :

BNA_F

ClientSampleId :

PB162036BS

Tgt Ion:200 Resp: 25046

Ion Ratio Lower Upper

200 100

173 26.5 4.1 44.1

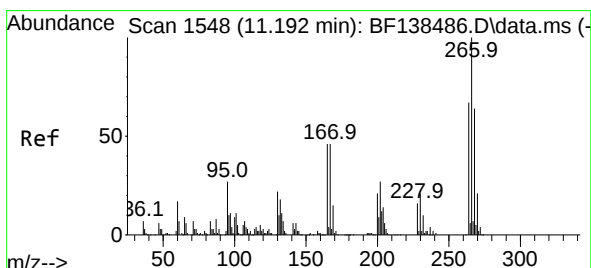
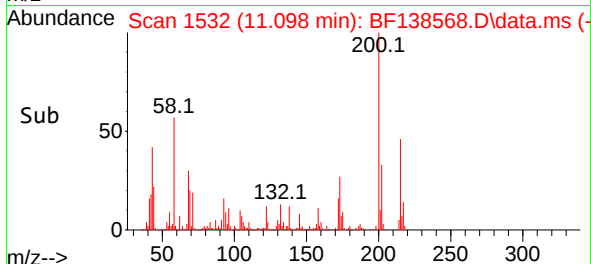
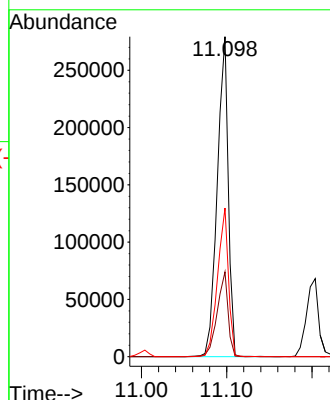
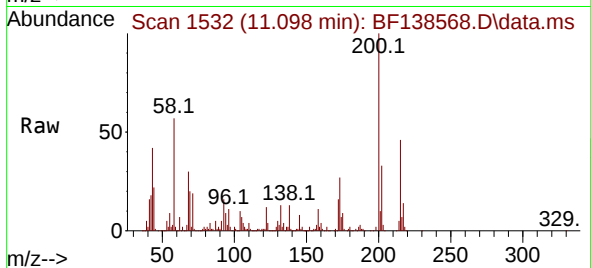
215 46.5 26.5 66.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/16/2024

Supervised By :mohammad ahmed 07/16/2024



#70

Pentachlorophenol

Concen: 79.162 ng

RT: 11.204 min Scan# 1550

Delta R.T. 0.012 min

Lab File: BF138568.D

Acq: 15 Jul 2024 14:28

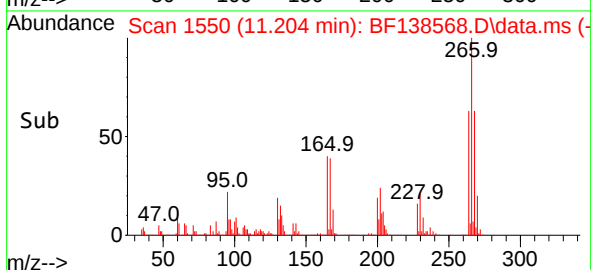
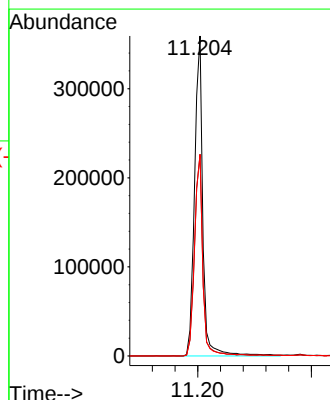
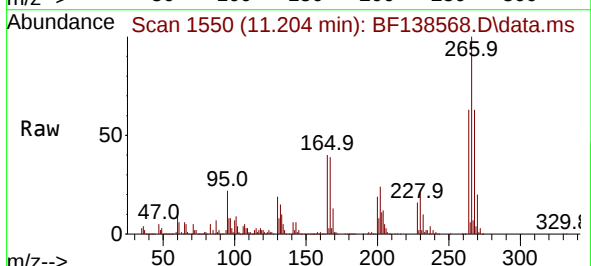
Tgt Ion:266 Resp: 365005

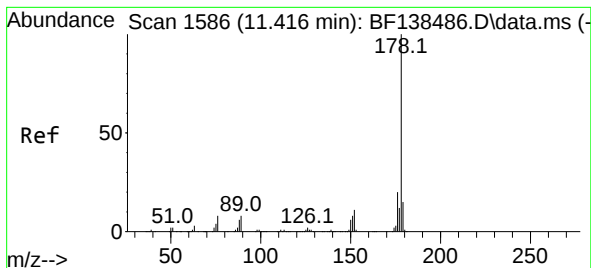
Ion Ratio Lower Upper

266 100

268 63.0 50.9 76.3

264 63.0 53.5 80.3





#71

Phenanthrene

Concen: 41.326 ng

RT: 11.422 min Scan# 1586

Delta R.T. 0.006 min

Lab File: BF138568.D

Acq: 15 Jul 2024 14:28

Instrument :

BNA_F

ClientSampleId :

PB162036BS

Tgt Ion:178 Resp: 1424808

Ion Ratio Lower Upper

178 100

176 19.4 15.7 23.5

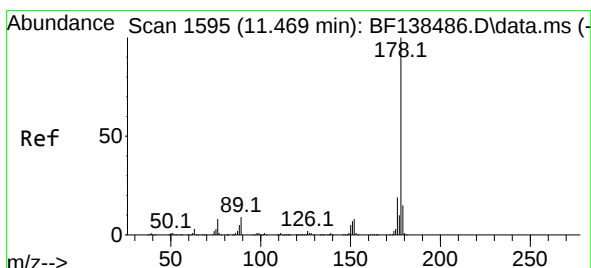
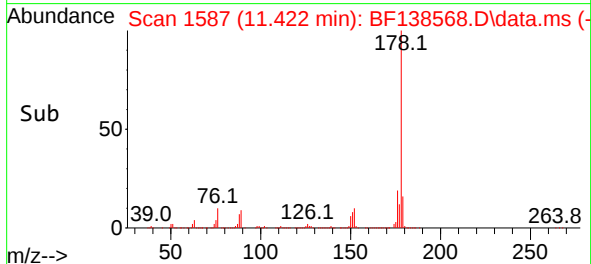
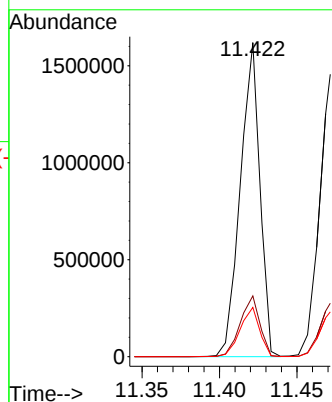
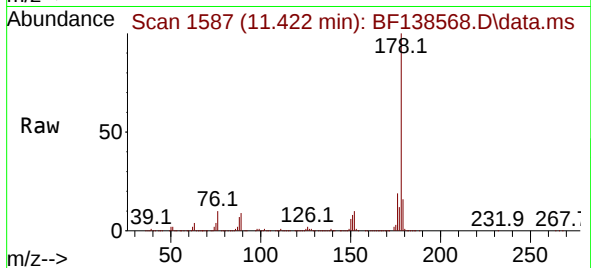
179 15.7 12.2 18.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/16/2024

Supervised By :mohammad ahmed 07/16/2024



#72

Anthracene

Concen: 41.933 ng

RT: 11.474 min Scan# 1596

Delta R.T. 0.006 min

Lab File: BF138568.D

Acq: 15 Jul 2024 14:28

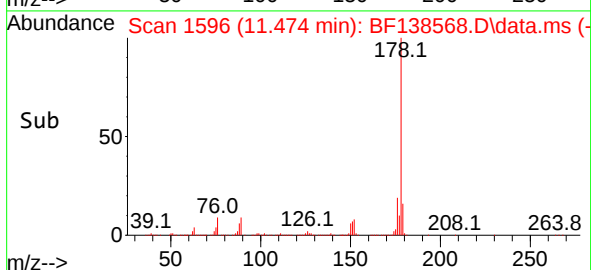
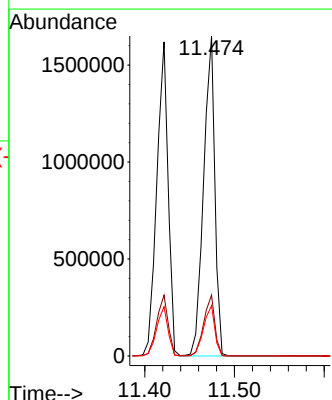
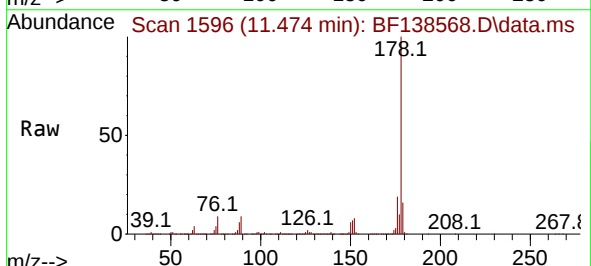
Tgt Ion:178 Resp: 1435111

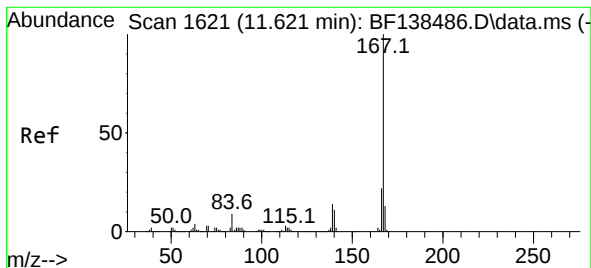
Ion Ratio Lower Upper

178 100

176 19.1 14.8 22.2

179 15.7 12.2 18.4





#73

Carbazole

Concen: 40.201 ng

RT: 11.627 min Scan# 1621

Delta R.T. 0.006 min

Lab File: BF138568.D

Acq: 15 Jul 2024 14:28

Instrument :

BNA_F

ClientSampleId :

PB162036BS

Tgt Ion:167 Resp: 123643

Ion Ratio Lower Upper

167 100

166 22.3 17.8 26.6

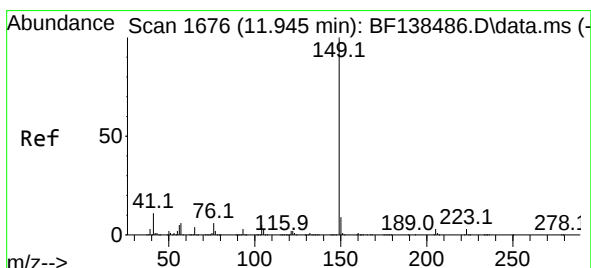
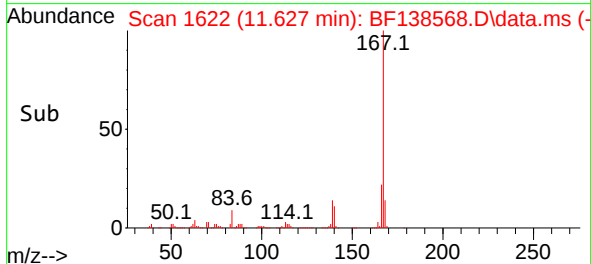
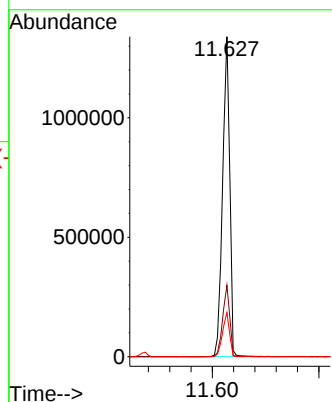
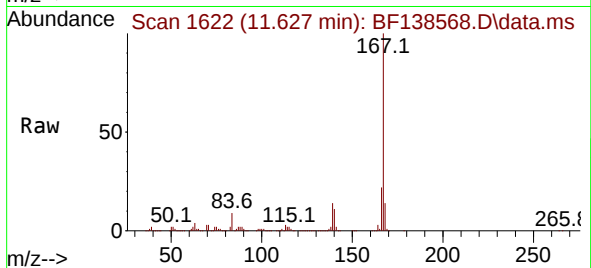
139 13.8 11.0 16.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/16/2024

Supervised By :mohammad ahmed 07/16/2024



#74

Di-n-butylphthalate

Concen: 44.675 ng

RT: 11.951 min Scan# 1677

Delta R.T. 0.006 min

Lab File: BF138568.D

Acq: 15 Jul 2024 14:28

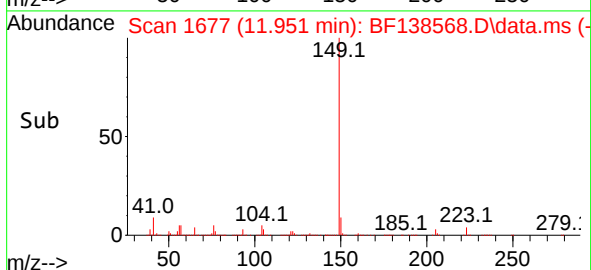
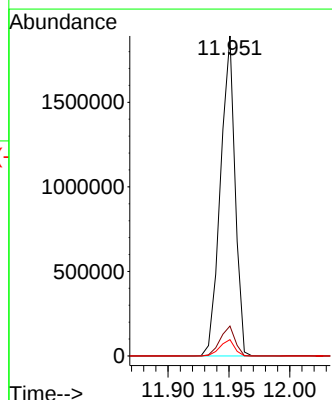
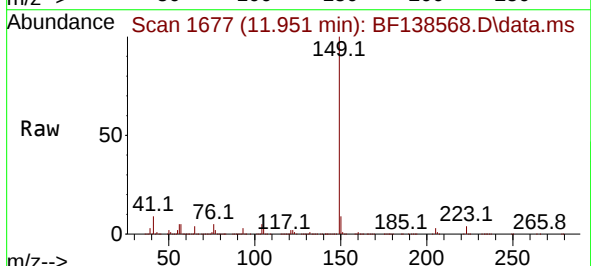
Tgt Ion:149 Resp: 1583804

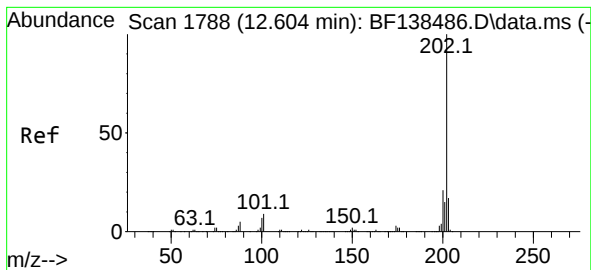
Ion Ratio Lower Upper

149 100

150 9.3 7.4 11.0

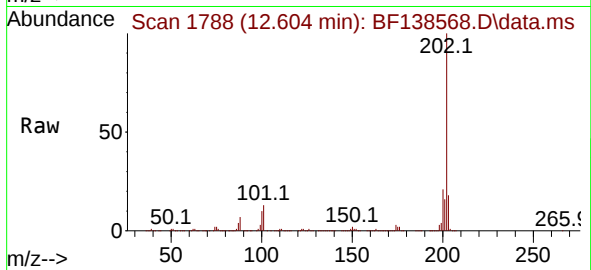
104 5.1 4.4 6.6





#75
Fluoranthene
Concen: 47.950 ng
RT: 12.604 min Scan# 1788
Delta R.T. 0.000 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

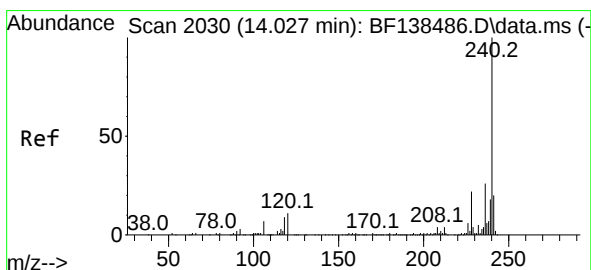
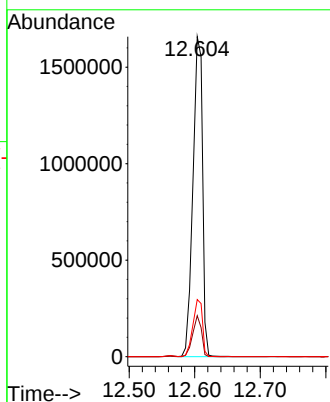
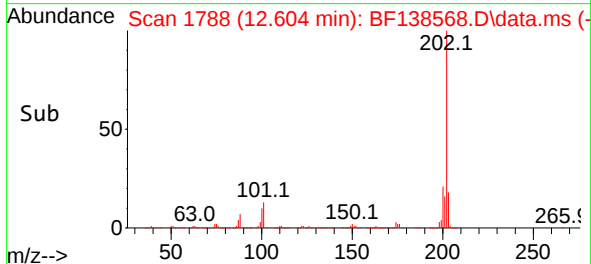
Instrument :
BNA_F
ClientSampleId :
PB162036BS



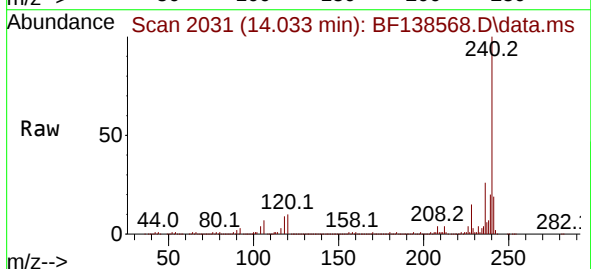
Tgt Ion:202 Resp: 1686890
Ion Ratio Lower Upper
202 100
101 12.8 0.0 29.2
203 17.9 0.0 37.3

Manual Integrations
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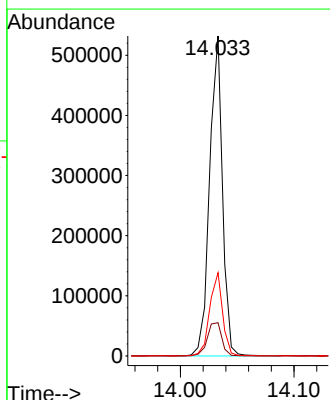
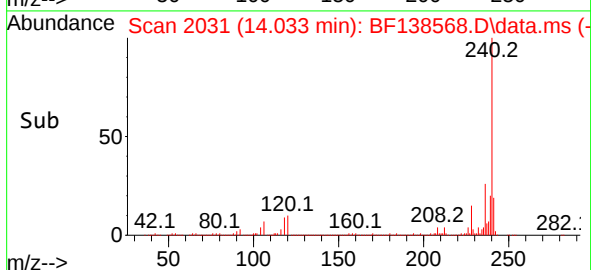
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/16/2024

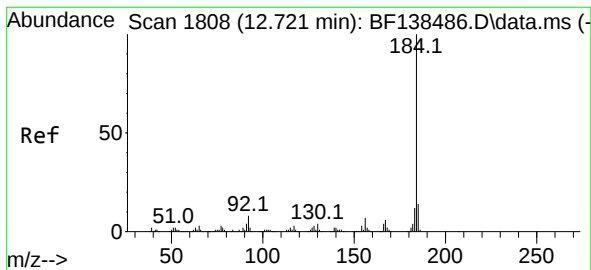


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.033 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28



Tgt Ion:240 Resp: 417545
Ion Ratio Lower Upper
240 100
120 10.4 8.6 12.8
236 26.0 21.0 31.6





#77

Benzidine

Concen: 10.163 ng

RT: 12.721 min Scan# 1808

Delta R.T. 0.000 min

Lab File: BF138568.D

Acq: 15 Jul 2024 14:28

Instrument :

BNA_F

ClientSampleId :

PB162036BS

Tgt Ion:184 Resp: 107059

Ion Ratio Lower Upper

184 100

185 14.6 11.3 16.9

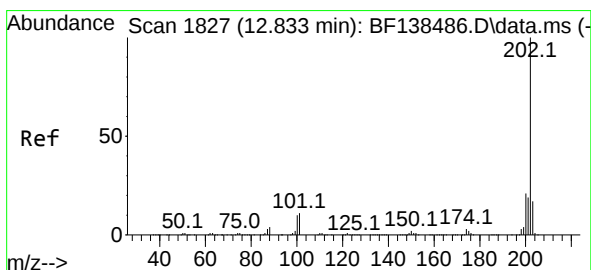
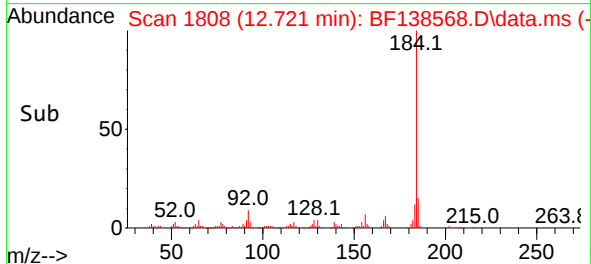
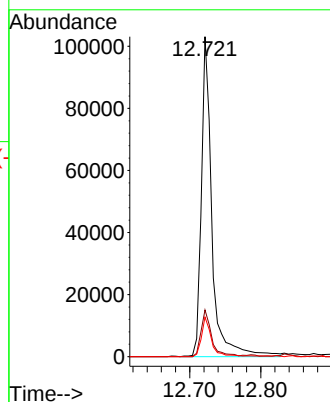
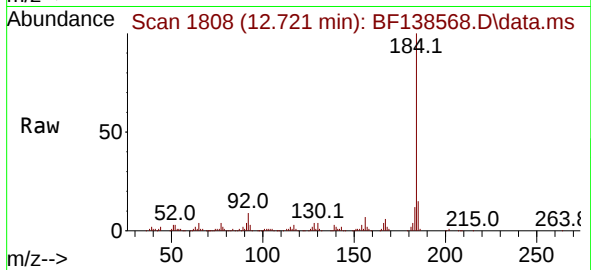
183 12.3 9.5 14.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/16/2024

Supervised By :mohammad ahmed 07/16/2024



#78

Pyrene

Concen: 39.554 ng

RT: 12.833 min Scan# 1827

Delta R.T. 0.000 min

Lab File: BF138568.D

Acq: 15 Jul 2024 14:28

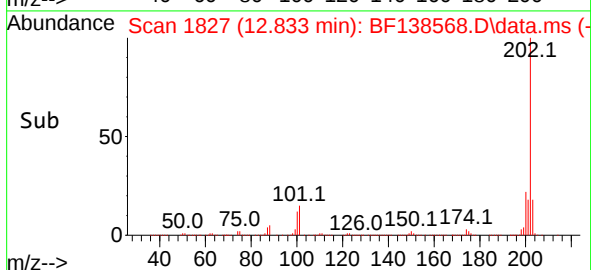
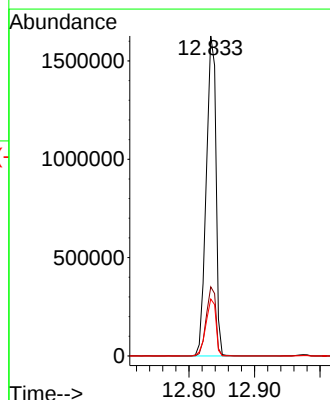
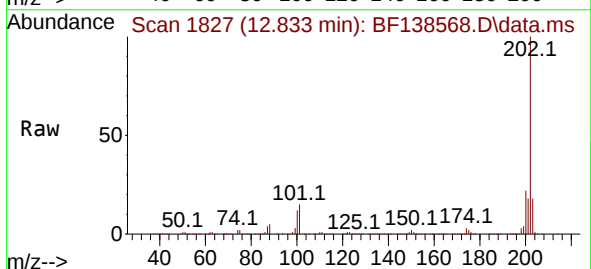
Tgt Ion:202 Resp: 1676549

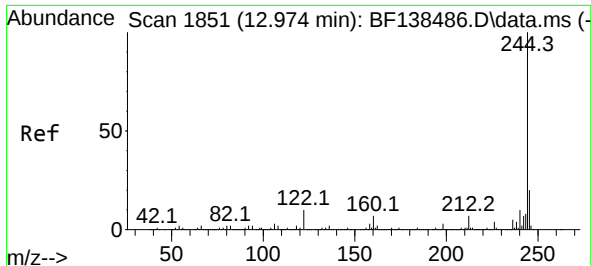
Ion Ratio Lower Upper

202 100

200 21.6 17.0 25.6

203 17.8 13.7 20.5





#79
 Terphenyl-d14
 Concen: 82.661 ng
 RT: 12.980 min Scan# 1852
 Delta R.T. 0.006 min
 Lab File: BF138568.D
 Acq: 15 Jul 2024 14:28

Instrument :

BNA_F

ClientSampleId :

PB162036BS

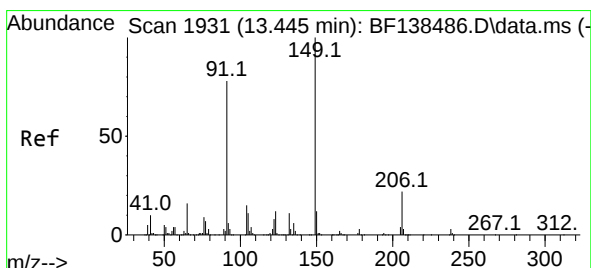
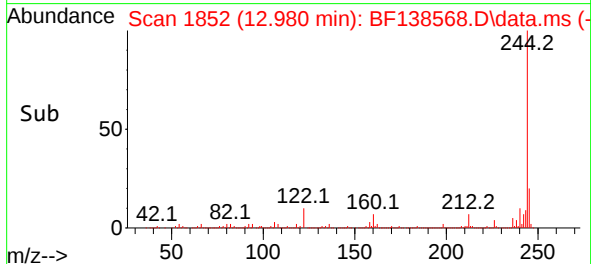
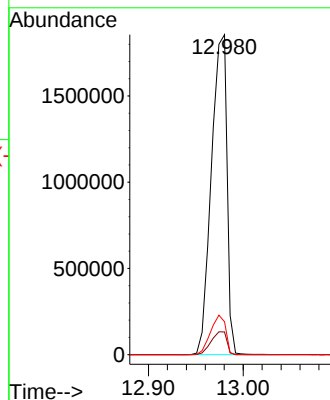
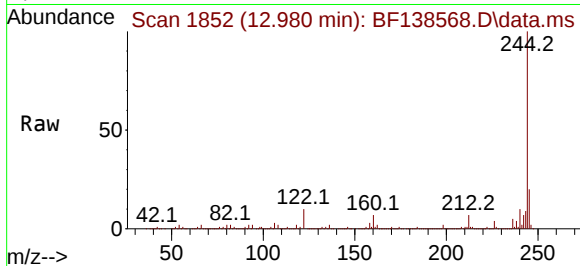
Tgt Ion:244 Resp: 2118619
 Ion Ratio Lower Upper
 244 100
 212 7.1 5.5 8.3
 122 10.3 7.8 11.8

Manual Integrations

APPROVED

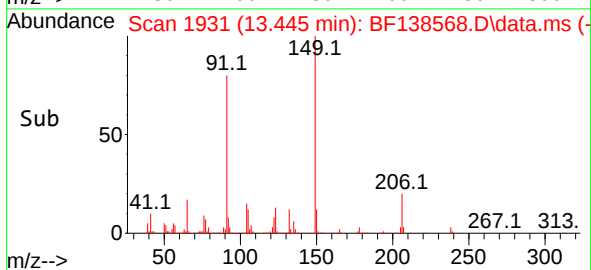
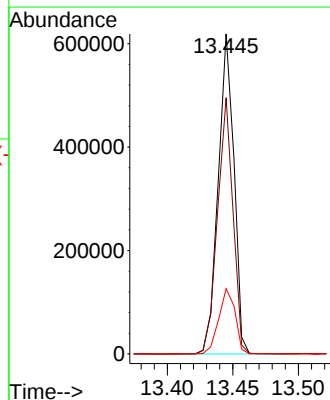
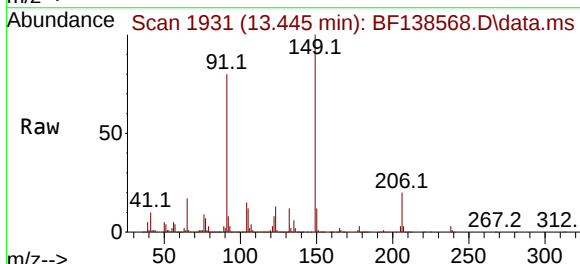
Reviewed By :Yogesh Patel 07/16/2024

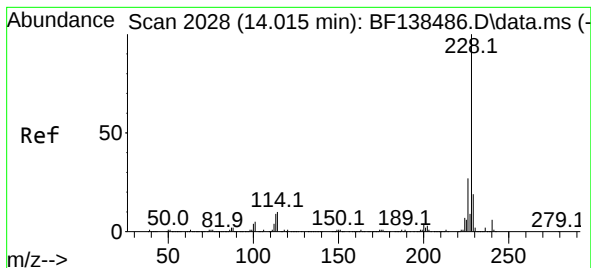
Supervised By :mohammad ahmed 07/16/2024



#80
 Butylbenzylphthalate
 Concen: 40.395 ng
 RT: 13.445 min Scan# 1931
 Delta R.T. 0.000 min
 Lab File: BF138568.D
 Acq: 15 Jul 2024 14:28

Tgt Ion:149 Resp: 515056
 Ion Ratio Lower Upper
 149 100
 91 80.1 62.1 93.1
 206 20.4 18.0 27.0





#81

Benzo(a)anthracene

Concen: 43.115 ng

RT: 14.021 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF138568.D

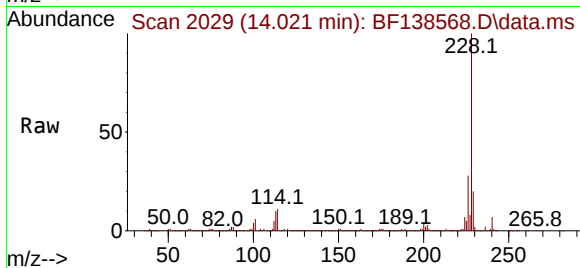
Acq: 15 Jul 2024 14:28

Instrument :

BNA_F

ClientSampleId :

PB162036BS



Tgt Ion:228 Resp: 1207970

Ion Ratio Lower Upper

228 100

226 27.7 21.9 32.9

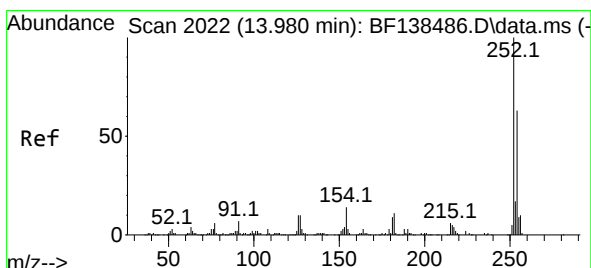
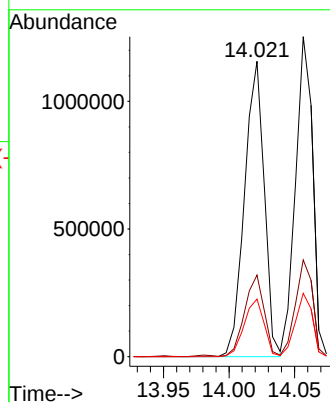
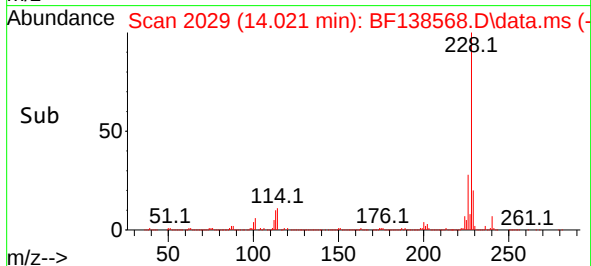
229 19.5 15.5 23.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/16/2024

Supervised By :mohammad ahmed 07/16/2024



#82

3,3'-Dichlorobenzidine

Concen: 42.081 ng

RT: 13.980 min Scan# 2022

Delta R.T. 0.000 min

Lab File: BF138568.D

Acq: 15 Jul 2024 14:28

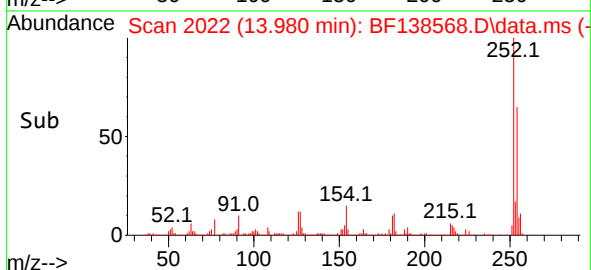
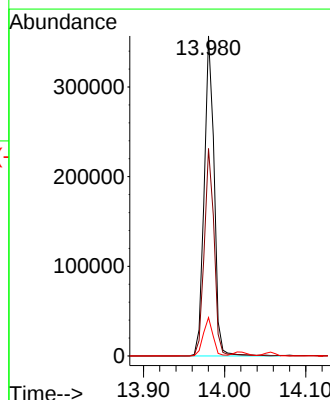
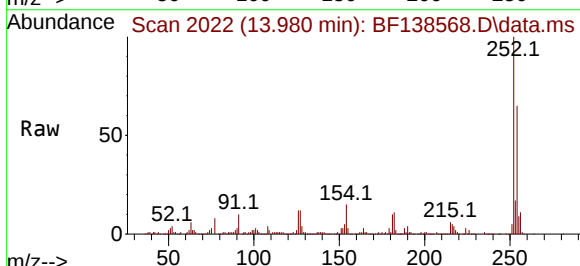
Tgt Ion:252 Resp: 303795

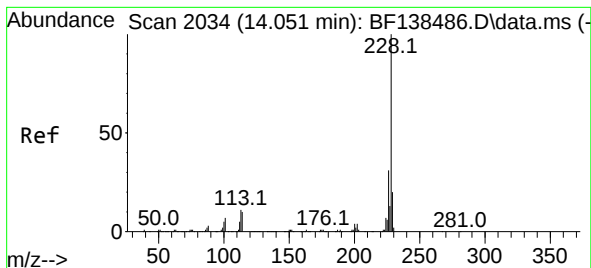
Ion Ratio Lower Upper

252 100

254 64.8 50.3 75.5

126 12.0 8.1 12.1





#83

Chrysene

Concen: 43.118 ng

RT: 14.057 min Scan# 2034

Delta R.T. 0.006 min

Lab File: BF138568.D

Acq: 15 Jul 2024 14:28

Instrument :

BNA_F

ClientSampleId :

PB162036BS

Tgt Ion:228 Resp: 1142818

Ion Ratio Lower Upper

228 100

226 30.2 24.4 36.6

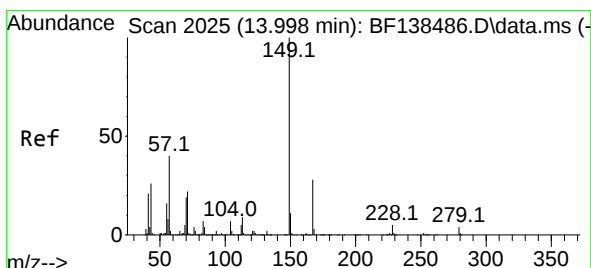
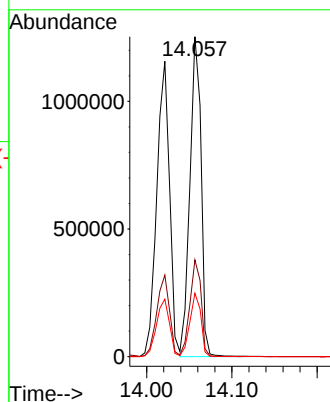
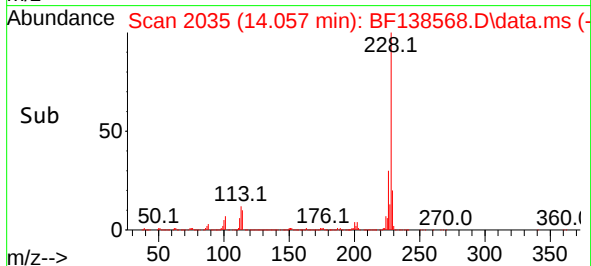
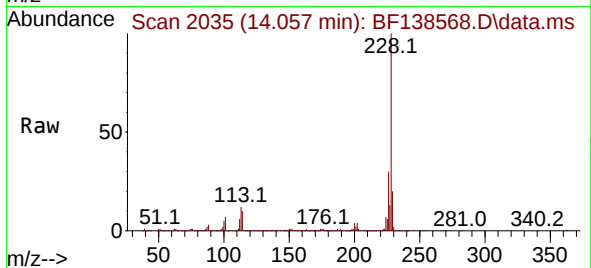
229 19.8 16.0 24.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/16/2024

Supervised By :mohammad ahmed 07/16/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 57.580 ng

RT: 14.004 min Scan# 2026

Delta R.T. 0.006 min

Lab File: BF138568.D

Acq: 15 Jul 2024 14:28

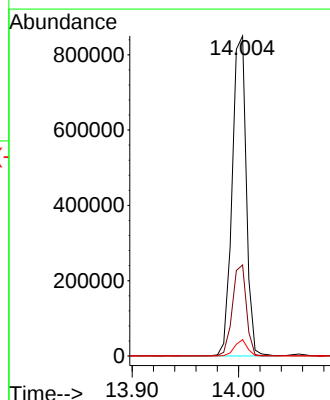
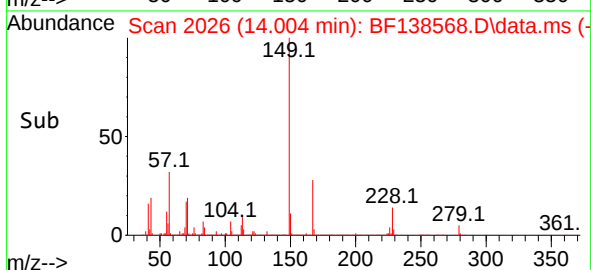
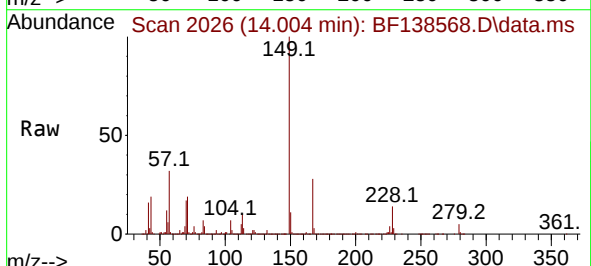
Tgt Ion:149 Resp: 783017

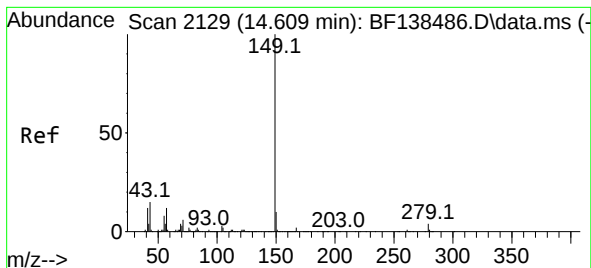
Ion Ratio Lower Upper

149 100

167 28.5 22.5 33.7

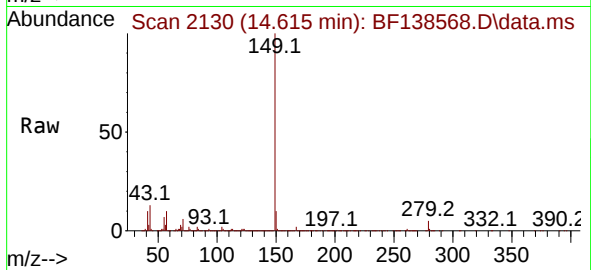
279 5.1 3.0 4.6





#85
Di-n-octyl phthalate
Concen: 47.997 ng
RT: 14.615 min Scan# 2129
Delta R.T. 0.006 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

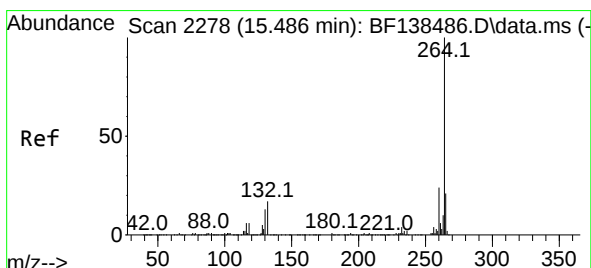
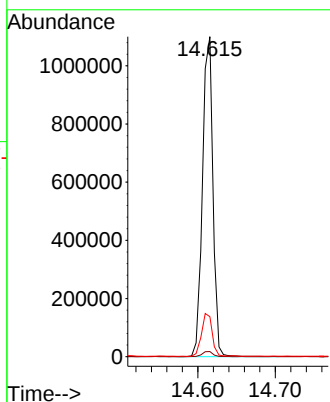
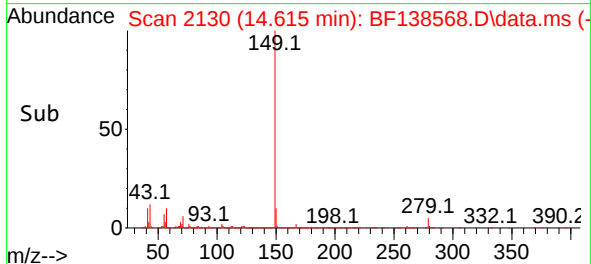
Instrument :
BNA_F
ClientSampleId :
PB162036BS



Tgt Ion:149 Resp: 1031100
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 13.7 10.7 16.1

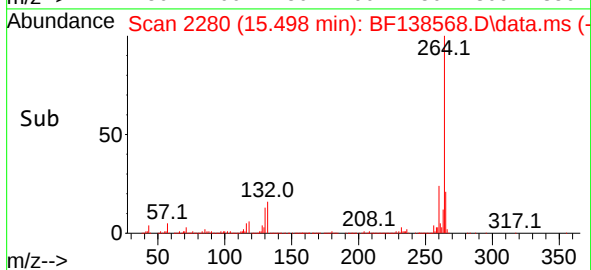
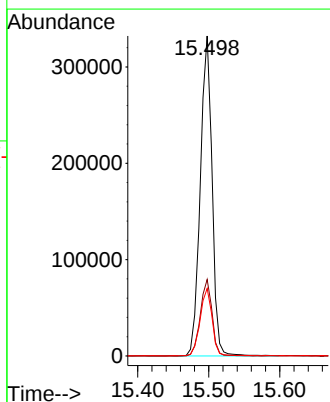
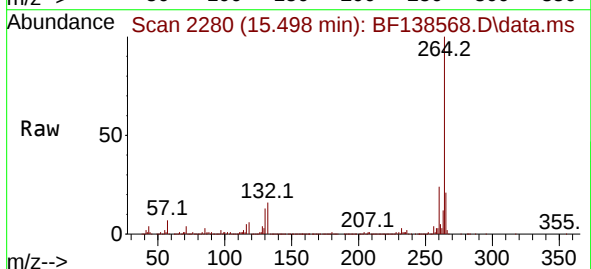
Manual Integrations
APPROVED

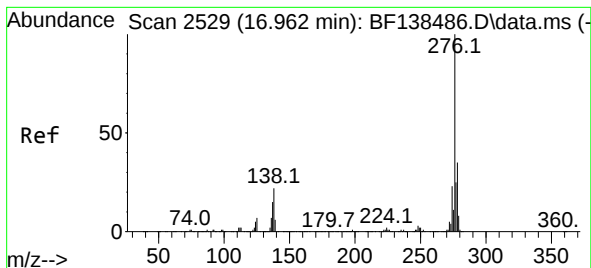
Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/16/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.498 min Scan# 2280
Delta R.T. 0.012 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

Tgt Ion:264 Resp: 385221
Ion Ratio Lower Upper
264 100
260 23.9 19.0 28.6
265 21.1 17.0 25.4





#87

Indeno(1,2,3-cd)pyrene

Concen: 39.992 ng

RT: 16.986 min Scan# 21

Delta R.T. 0.024 min

Lab File: BF138568.D

Acq: 15 Jul 2024 14:28

Instrument :

BNA_F

ClientSampleId :

PB162036BS

Tgt Ion:276 Resp: 103479

Ion Ratio Lower Upper

276 100

138 25.2 19.6 29.4

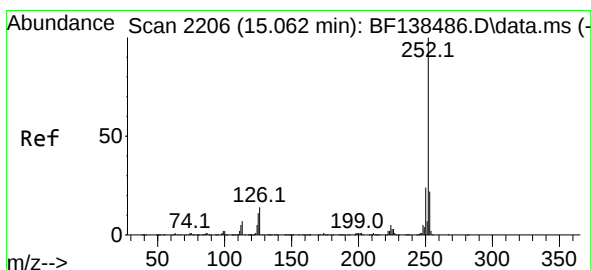
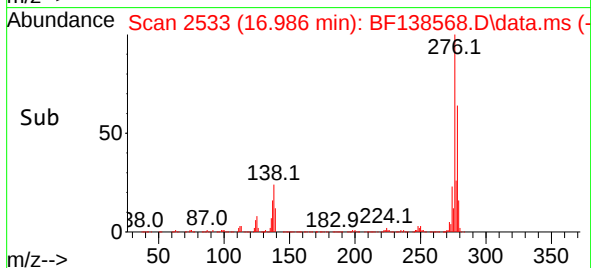
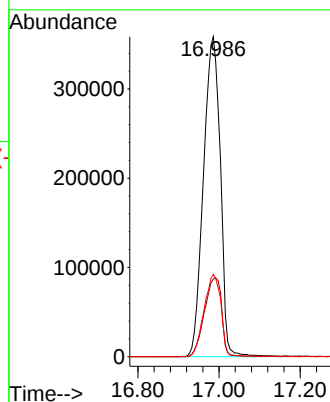
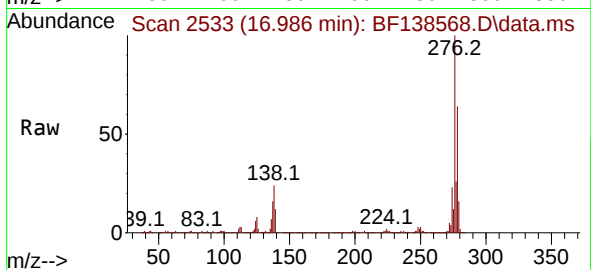
277 25.8 20.5 30.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/16/2024

Supervised By :mohammad ahmed 07/16/2024



#88

Benzo(b)fluoranthene

Concen: 41.809 ng

RT: 15.068 min Scan# 2207

Delta R.T. 0.006 min

Lab File: BF138568.D

Acq: 15 Jul 2024 14:28

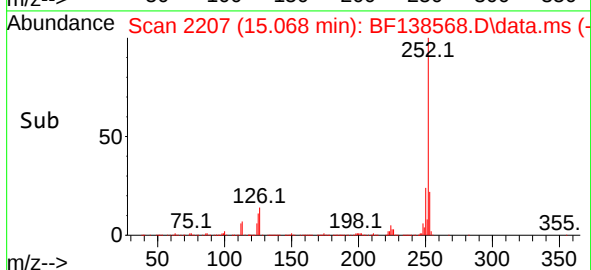
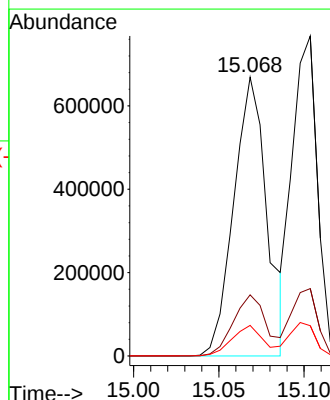
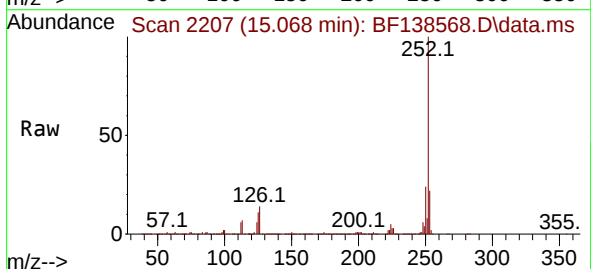
Tgt Ion:252 Resp: 907017

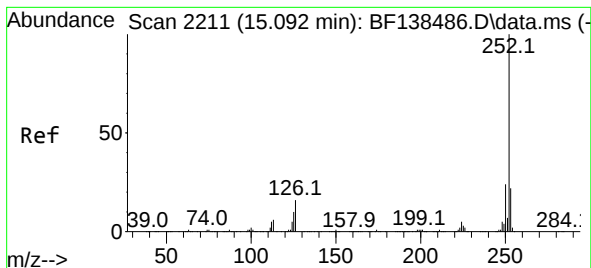
Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

125 11.0 8.6 13.0





#89

Benzo(k)fluoranthene

Concen: 37.340 ng

RT: 15.104 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF138568.D

Acq: 15 Jul 2024 14:28

Instrument :

BNA_F

ClientSampleId :

PB162036BS

Tgt Ion:252 Resp: 790054

Ion Ratio Lower Upper

252 100

253 21.1 17.7 26.5

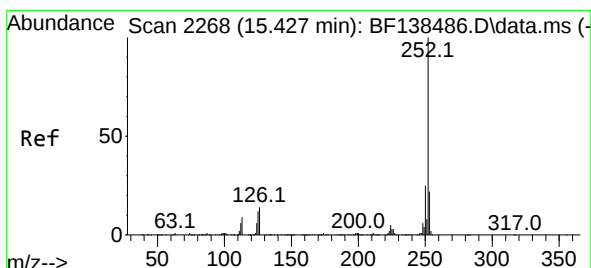
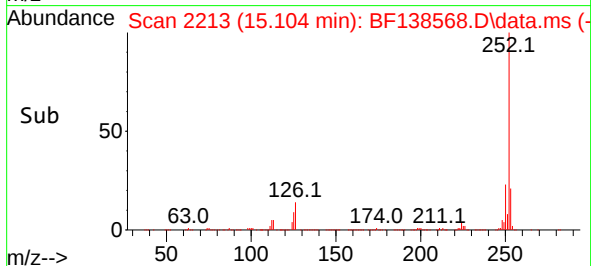
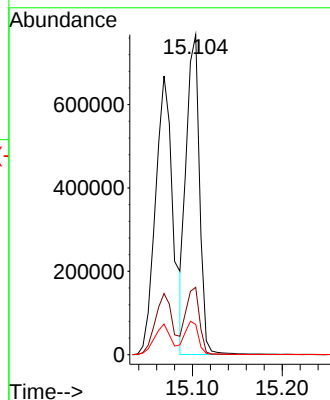
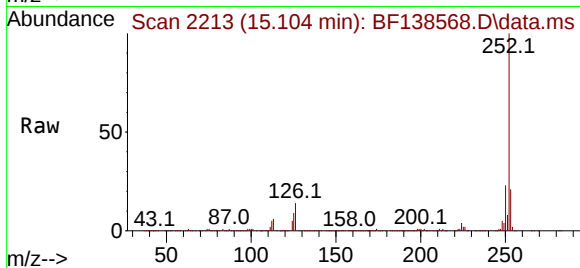
125 9.5 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 07/16/2024

Supervised By :mohammad ahmed 07/16/2024



#90

Benzo(a)pyrene

Concen: 43.955 ng

RT: 15.439 min Scan# 2270

Delta R.T. 0.012 min

Lab File: BF138568.D

Acq: 15 Jul 2024 14:28

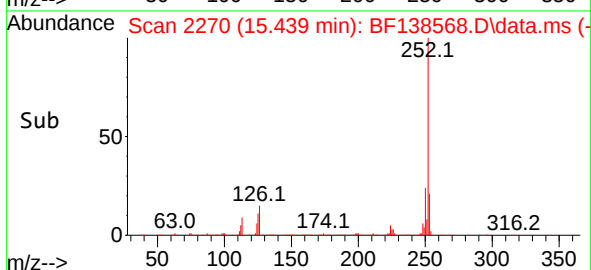
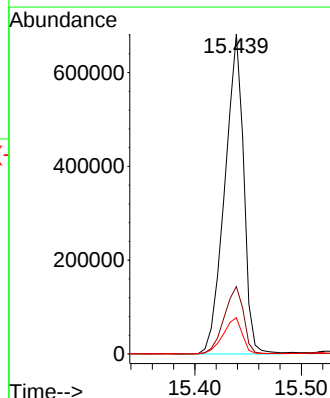
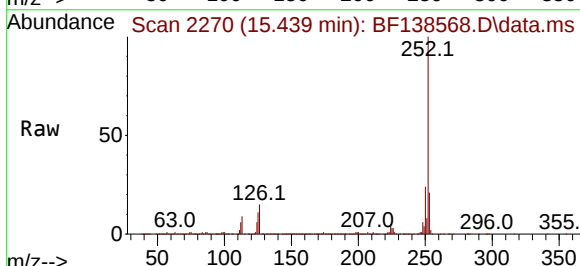
Tgt Ion:252 Resp: 837673

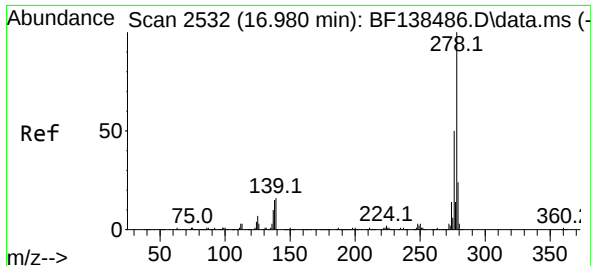
Ion Ratio Lower Upper

252 100

253 21.0 17.4 26.0

125 11.4 9.4 14.2





#91
Dibenzo(a,h)anthracene
Concen: 40.429 ng
RT: 17.003 min Scan# 210
Delta R.T. 0.024 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

Instrument :

BNA_F

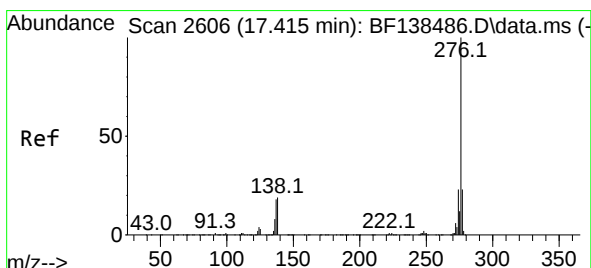
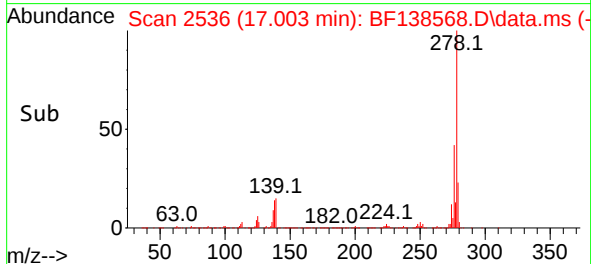
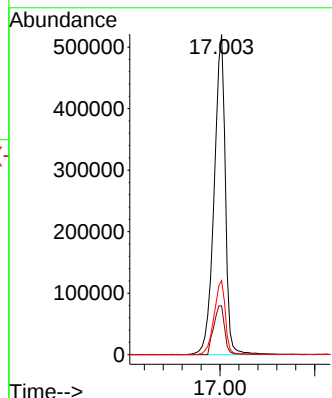
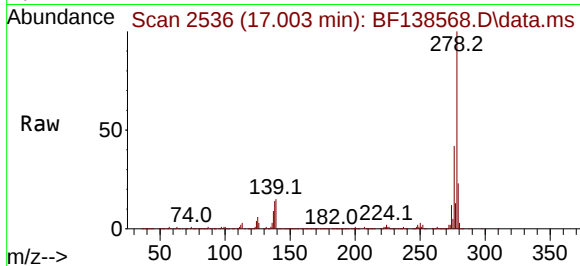
ClientSampleId :

PB162036BS

Tgt Ion:278 Resp: 855735
Ion Ratio Lower Upper
278 100
139 15.2 12.8 19.2
279 23.1 19.1 28.7

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 07/16/2024
Supervised By :mohammad ahmed 07/16/2024



#92
Benzo(g,h,i)perylene
Concen: 44.237 ng
RT: 17.433 min Scan# 2609
Delta R.T. 0.018 min
Lab File: BF138568.D
Acq: 15 Jul 2024 14:28

Tgt Ion:276 Resp: 992887
Ion Ratio Lower Upper
276 100
277 23.6 18.0 27.0
138 22.7 15.5 23.3

