

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102624\
 Data File : BF140052.D
 Acq On : 26 Oct 2024 11:34
 Operator : RC/JU
 Sample : PB164401BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

PB164401BS

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024

Quant Time: Oct 28 01:05:14 2024

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF101824.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 18 15:07:50 2024

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.887	152	133953	20.000	ng	0.00
21) Naphthalene-d8	8.169	136	523078	20.000	ng	0.00
39) Acenaphthene-d10	9.928	164	286545	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	514956	20.000	ng	0.00
76) Chrysene-d12	14.057	240	290190	20.000	ng	0.00
86) Perylene-d12	15.527	264	270508	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.516	112	986950	115.343	ng	0.02
7) Phenol-d6	6.516	99	1244065	112.258	ng	0.00
23) Nitrobenzene-d5	7.451	82	809122	85.732	ng	0.00
42) 2,4,6-Tribromophenol	10.722	330	362775	135.351	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1453842	83.853	ng	0.00
79) Terphenyl-d14	12.998	244	1564872	87.871	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.775	88	146496	36.720	ng	94
3) Pyridine	3.528	79	386668	39.102	ng	97
4) n-Nitrosodimethylamine	3.481	42	214789	40.427	ng	98
6) Aniline	6.551	93	383651	37.145	ng	99
8) 2-Chlorophenol	6.675	128	391637	44.771	ng	97
9) Benzaldehyde	6.440	77	83963	13.468	ng	97
10) Phenol	6.528	94	489257m	42.823	ng	
11) bis(2-Chloroethyl)ether	6.622	93	377809	42.783	ng	100
12) 1,3-Dichlorobenzene	6.828	146	422642	42.090	ng	100
13) 1,4-Dichlorobenzene	6.904	146	426636	42.528	ng	99
14) 1,2-Dichlorobenzene	7.057	146	409319	43.717	ng	99
15) Benzyl Alcohol	7.028	79	360303	44.322	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.163	45	612220	40.658	ng	98
17) 2-Methylphenol	7.134	107	320253	42.935	ng	99
18) Hexachloroethane	7.404	117	154207	43.106	ng	96
19) n-Nitroso-di-n-propyla...	7.304	70	274155	40.789	ng	97
20) 3+4-Methylphenols	7.287	107	390957	40.978	ng	# 91
22) Acetophenone	7.298	105	535776	41.819	ng	98
24) Nitrobenzene	7.469	77	427531	41.317	ng	100
25) Isophorone	7.710	82	764949	42.704	ng	100
26) 2-Nitrophenol	7.787	139	194486	49.821	ng	96
27) 2,4-Dimethylphenol	7.816	122	320800	49.284	ng	100
28) bis(2-Chloroethoxy)met...	7.916	93	442314	40.755	ng	100
29) 2,4-Dichlorophenol	8.028	162	318856	43.007	ng	98
30) 1,2,4-Trichlorobenzene	8.110	180	341281	41.600	ng	99
31) Naphthalene	8.192	128	1144384	42.420	ng	100
32) Benzoic acid	7.934	122	221089	38.943	ng	97
33) 4-Chloroaniline	8.239	127	160319	17.428	ng	97
34) Hexachlorobutadiene	8.310	225	222248	43.117	ng	98
35) Caprolactam	8.610	113	104721m	44.422	ng	
36) 4-Chloro-3-methylphenol	8.716	107	352609	42.951	ng	99
37) 2-Methylnaphthalene	8.887	142	708246	42.867	ng	99
38) 1-Methylnaphthalene	8.986	142	664636	41.002	ng	99
40) 1,2,4,5-Tetrachloroben...	9.051	216	336499	43.529	ng	99
41) Hexachlorocyclopentadiene	9.039	237	439499	163.391	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	245472	44.850	ng	100

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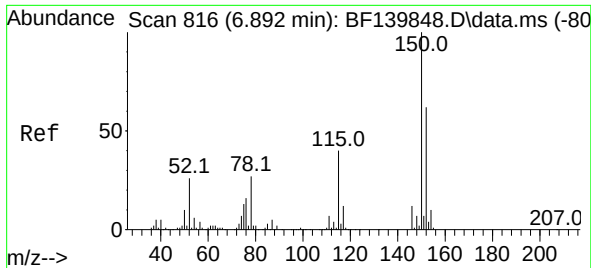
Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 10/29/2024
 Supervised By :mohammad ahmed 10/29/2024

Quant Time: Oct 28 01:05:14 2024
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 18 15:07:50 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	247584	43.845	ng	100
46) 1,1'-Biphenyl	9.351	154	854568	42.840	ng	99
47) 2-Chloronaphthalene	9.375	162	683907	42.568	ng	99
48) 2-Nitroaniline	9.469	65	234337	47.690	ng	93
49) Acenaphthylene	9.792	152	1062663	45.751	ng	100
50) Dimethylphthalate	9.651	163	774247	43.379	ng	100
51) 2,6-Dinitrotoluene	9.710	165	175507	45.415	ng	96
52) Acenaphthene	9.963	154	733262	48.802	ng	99
53) 3-Nitroaniline	9.875	138	119085	29.881	ng	98
54) 2,4-Dinitrophenol	9.986	184	179501	109.200	ng	# 1
55) Dibenzofuran	10.133	168	930933	43.183	ng	100
56) 4-Nitrophenol	10.034	139	297136	96.911	ng	99
57) 2,4-Dinitrotoluene	10.116	165	239693	50.437	ng	97
58) Fluorene	10.475	166	710862	43.293	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.251	232	209794	47.393	ng	97
60) Diethylphthalate	10.351	149	742904	42.392	ng	100
61) 4-Chlorophenyl-phenyle...	10.469	204	354589	42.763	ng	99
62) 4-Nitroaniline	10.492	138	178276	47.364	ng	98
63) Azobenzene	10.628	77	770383	41.466	ng	98
65) 4,6-Dinitro-2-methylph...	10.522	198	128121	60.996	ng	89
66) n-Nitrosodiphenylamine	10.586	169	652591	42.342	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	227307	42.848	ng	98
68) Hexachlorobenzene	11.022	284	258374	43.305	ng	99
69) Atrazine	11.110	200	213946	51.244	ng	100
70) Pentachlorophenol	11.216	266	317923	87.799	ng	99
71) Phenanthrene	11.439	178	1079100	44.363	ng	100
72) Anthracene	11.492	178	1093172	46.061	ng	100
73) Carbazole	11.645	167	962703	43.616	ng	99
74) Di-n-butylphthalate	11.975	149	1087234	42.635	ng	99
75) Fluoranthene	12.627	202	1108012	45.059	ng	99
77) Benzidine	12.745	184	233393	48.912	ng	99
78) Pyrene	12.857	202	1139954	44.878	ng	100
80) Butylbenzylphthalate	13.474	149	379877	49.883	ng	96
81) Benzo(a)anthracene	14.045	228	868429	45.972	ng	100
82) 3,3'-Dichlorobenzidine	14.004	252	167400	30.393	ng	99
83) Chrysene	14.080	228	776429	44.828	ng	99
84) Bis(2-ethylhexyl)phtha...	14.027	149	419403	49.087	ng	100
85) Di-n-octyl phthalate	14.645	149	608593	39.162	ng	96
87) Indeno(1,2,3-cd)pyrene	17.033	276	803896	46.194	ng	97
88) Benzo(b)fluoranthene	15.098	252	691202	41.946	ng	99
89) Benzo(k)fluoranthene	15.127	252	671210	47.231	ng	99
90) Benzo(a)pyrene	15.468	252	651066	48.018	ng	99
91) Dibenzo(a,h)anthracene	17.051	278	656369	45.212	ng	97
92) Benzo(g,h,i)perylene	17.486	276	610078	42.071	ng	97

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



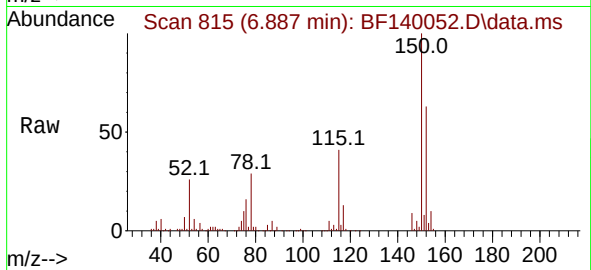
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1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.887 min Scan# 816
Delta R.T. -0.005 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164401BS

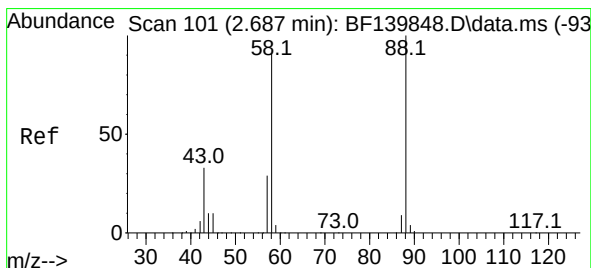
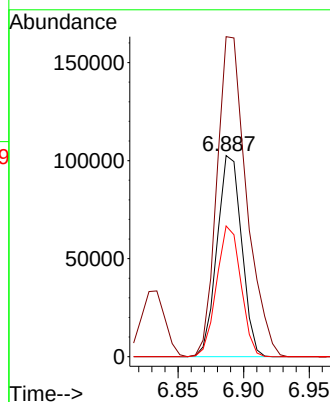
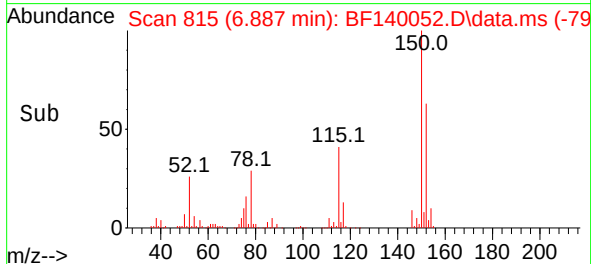


Tgt Ion:152 Resp: 13395
Ion Ratio Lower Upper
152 100
150 159.1 130.2 195.2
115 65.0 51.4 77.2

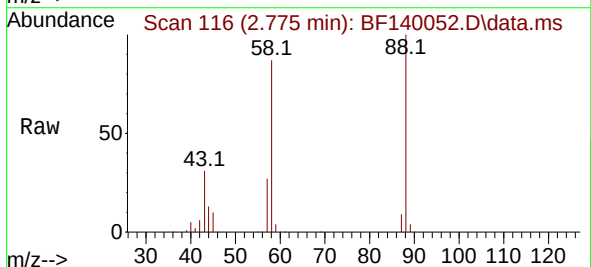
Manual Integrations

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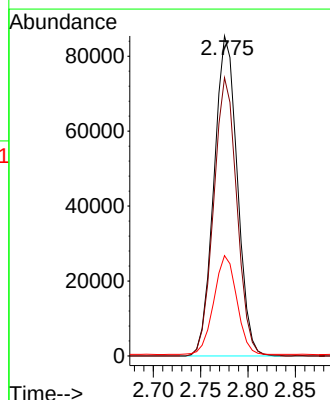
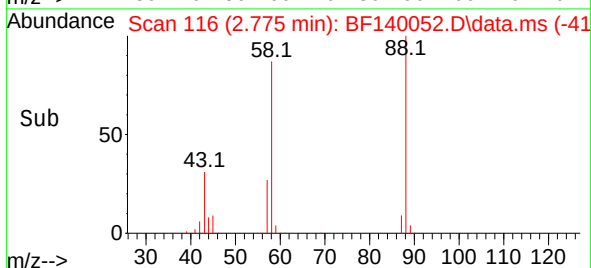
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

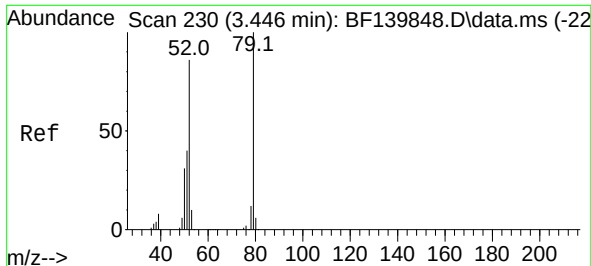


#2
1,4-Dioxane
Concen: 36.720 ng
RT: 2.775 min Scan# 116
Delta R.T. 0.088 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34



Tgt Ion: 88 Resp: 146496
Ion Ratio Lower Upper
88 100
58 86.5 73.3 109.9
43 30.3 27.1 40.7





#3

Pyridine

Concen: 39.102 ng

RT: 3.528 min Scan# 244

Delta R.T. 0.083 min

Lab File: BF140052.D

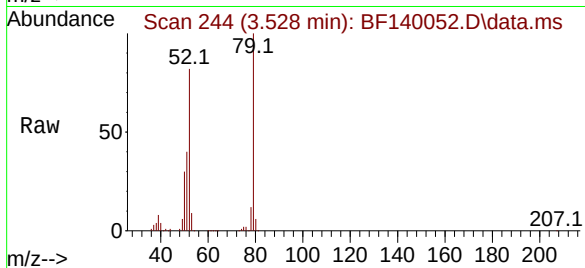
Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164401BS



Tgt Ion: 79 Resp: 38666

Ion Ratio Lower Upper

79 100

52 82.4 68.5 102.7

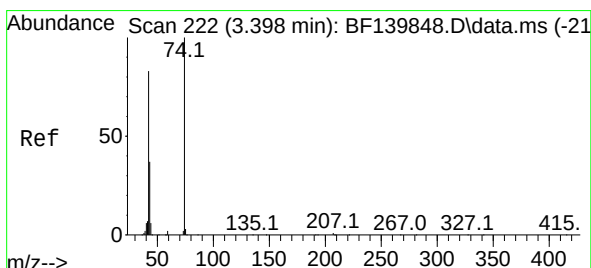
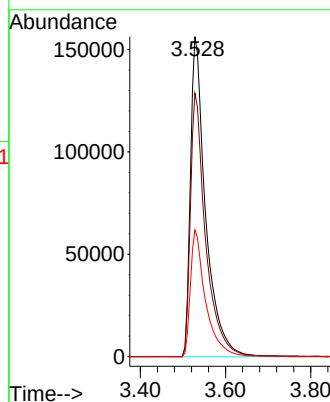
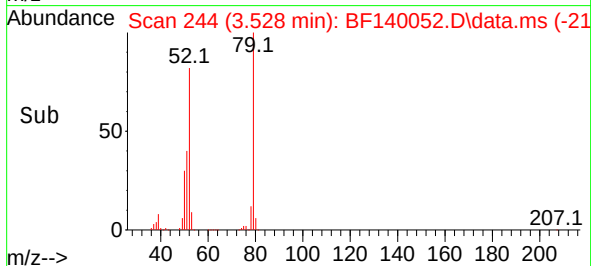
51 39.6 32.3 48.5

Manual Integrations

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Supervised By :mohammad ahmed 10/29/2024



#4

n-Nitrosodimethylamine

Concen: 40.427 ng

RT: 3.481 min Scan# 236

Delta R.T. 0.083 min

Lab File: BF140052.D

Acq: 26 Oct 2024 11:34

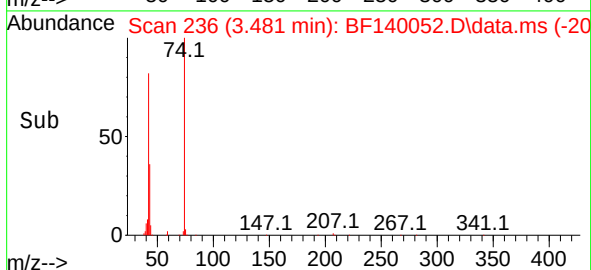
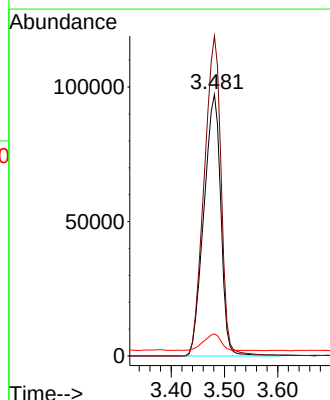
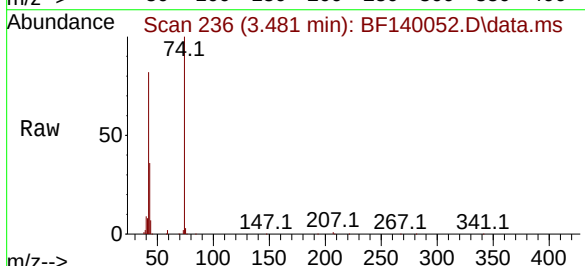
Tgt Ion: 42 Resp: 214789

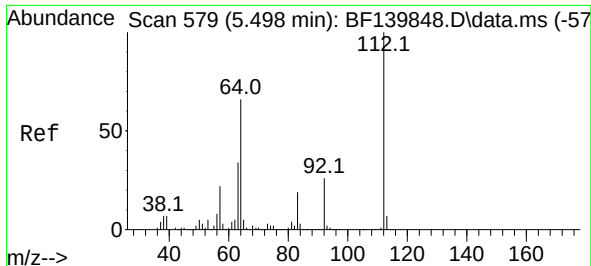
Ion Ratio Lower Upper

42 100

74 122.3 96.2 144.4

44 8.5 6.2 9.2





#5
2-Fluorophenol
Concen: 115.343 ng
RT: 5.516 min Scan# 51
Delta R.T. 0.018 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

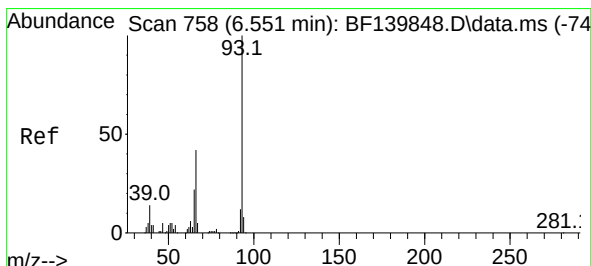
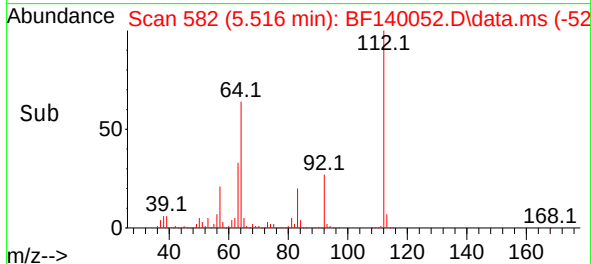
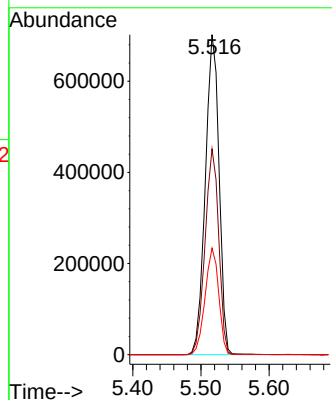
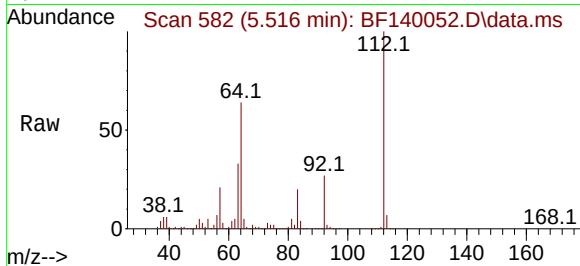
PB164401BS

Tgt Ion:112 Resp: 986950
Ion Ratio Lower Upper
112 100
64 64.3 53.0 79.6
63 33.3 27.0 40.4

Manual Integrations

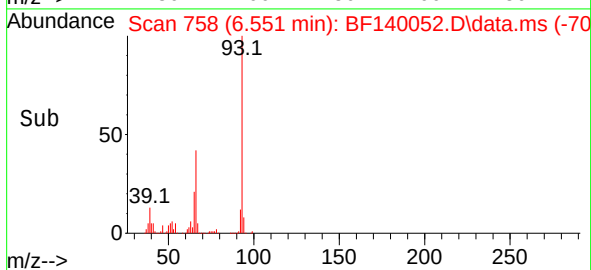
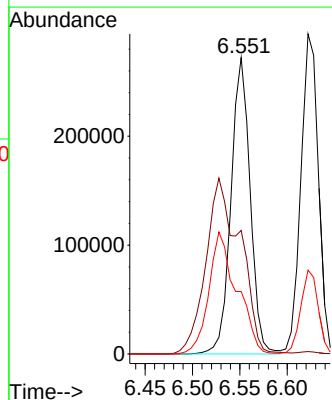
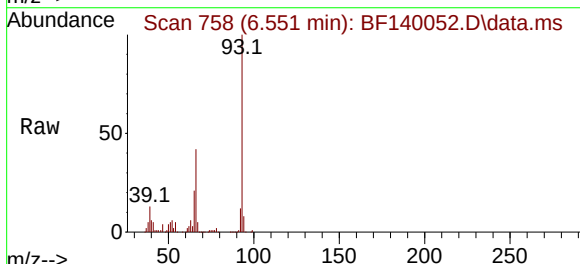
APPROVED

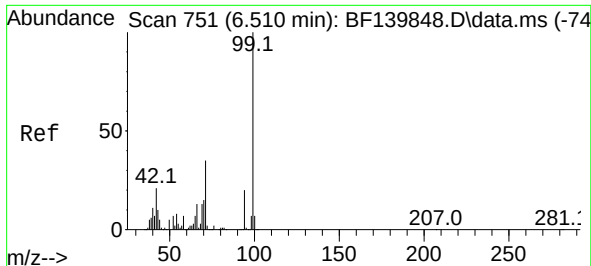
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024



#6
Aniline
Concen: 37.145 ng
RT: 6.551 min Scan# 758
Delta R.T. 0.000 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

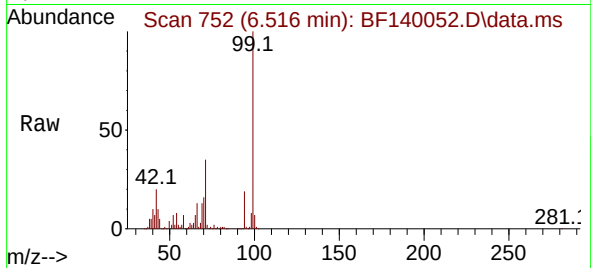
Tgt Ion: 93 Resp: 383651
Ion Ratio Lower Upper
93 100
66 41.7 34.0 51.0
65 21.1 17.4 26.0





#7
Phenol-d6
Concen: 112.258 ng
RT: 6.516 min Scan# 752
Delta R.T. 0.006 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

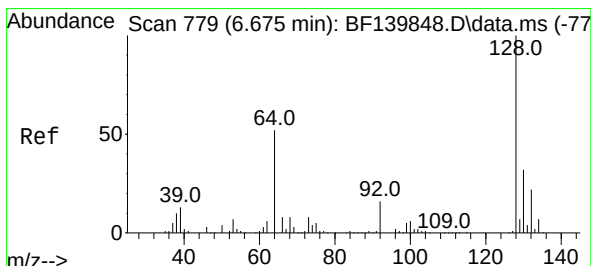
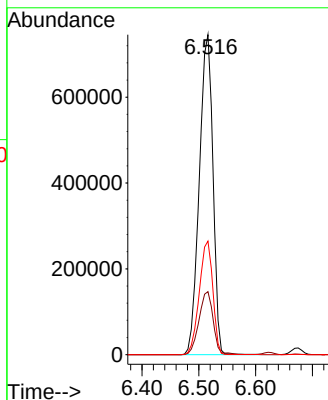
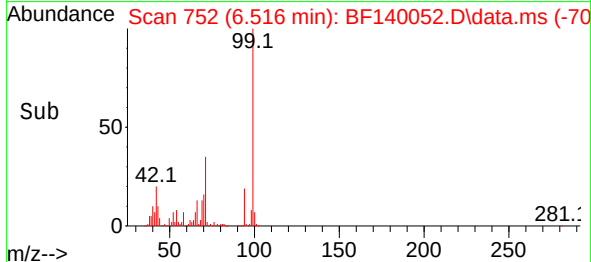
Instrument :
BNA_F
ClientSampleId :
PB164401BS



Tgt Ion: 99 Resp: 1244065
Ion Ratio Lower Upper
99 100
42 19.7 16.7 25.1
71 35.5 27.7 41.5

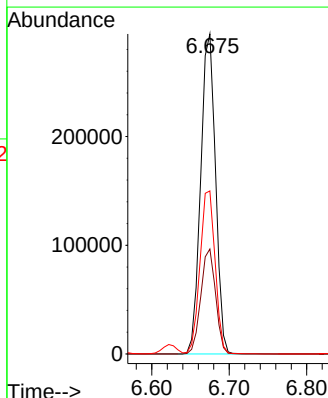
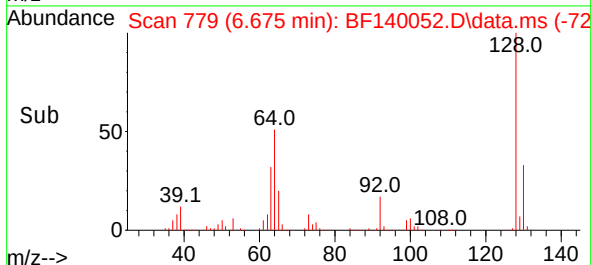
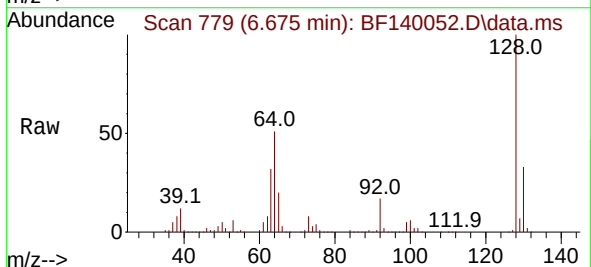
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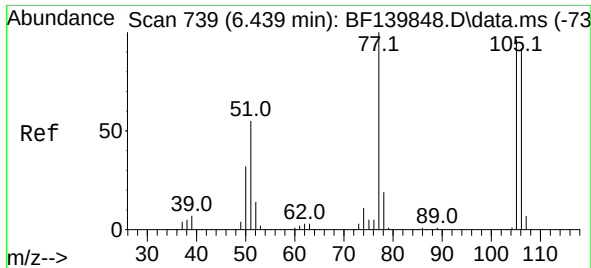
Reviewed By :Yogesh Patel 10/29/2024
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#8
2-Chlorophenol
Concen: 44.771 ng
RT: 6.675 min Scan# 779
Delta R.T. 0.000 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

Tgt Ion:128 Resp: 391637
Ion Ratio Lower Upper
128 100
130 32.8 12.3 52.3
64 51.0 34.6 74.6





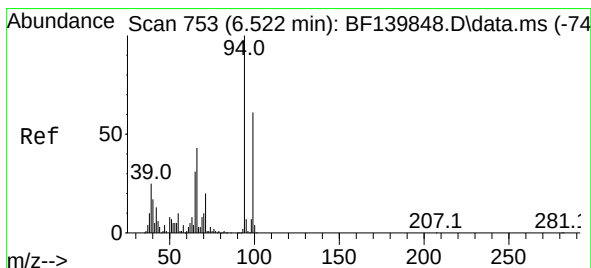
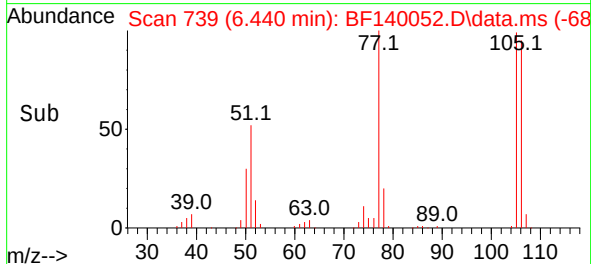
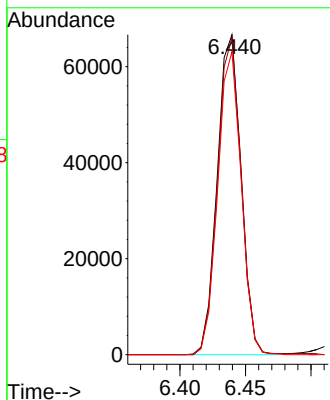
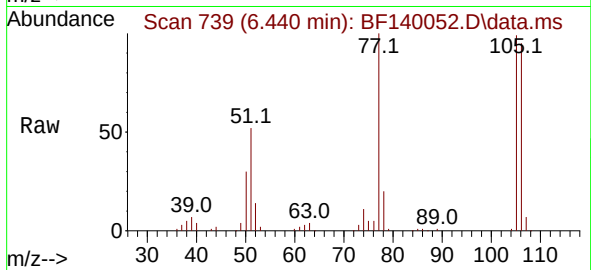
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Benzaldehyde
Concen: 13.468 ng
RT: 6.440 min Scan# 740
Delta R.T. 0.001 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

Instrument :
BNA_F
ClientSampleId :
PB164401BS

Tgt Ion: 77 Resp: 8396
Ion Ratio Lower Upper
77 100
105 99.2 75.5 115.5
106 94.7 71.7 111.7

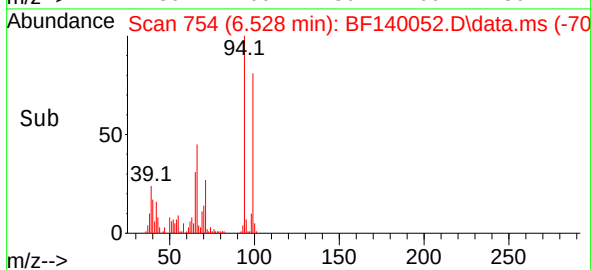
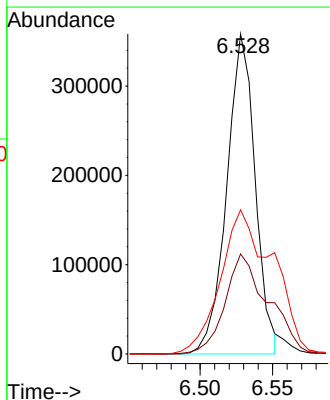
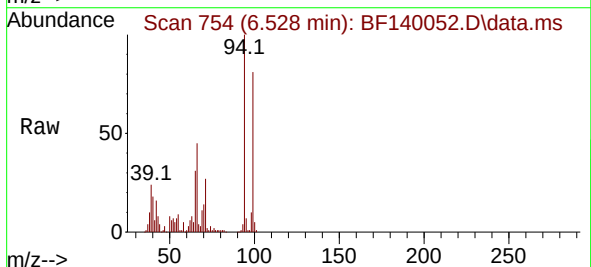
Manual Integrations
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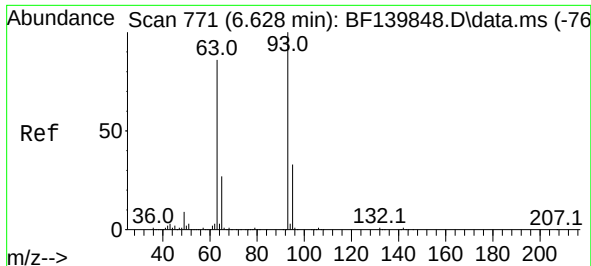
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024



#10
Phenol
Concen: 42.823 ng m
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

Tgt Ion: 94 Resp: 489257
Ion Ratio Lower Upper
94 100
65 31.3 11.1 51.1
66 45.1 22.7 62.7





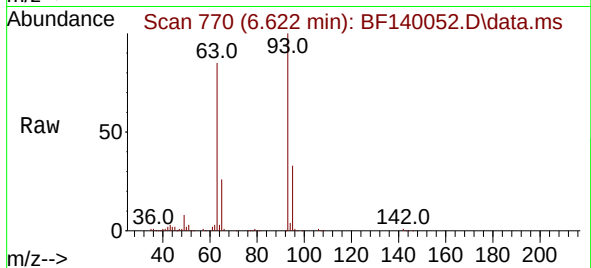
#11
bis(2-Chloroethyl)ether
Concen: 42.783 ng
RT: 6.622 min Scan# 771
Delta R.T. -0.006 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164401BS

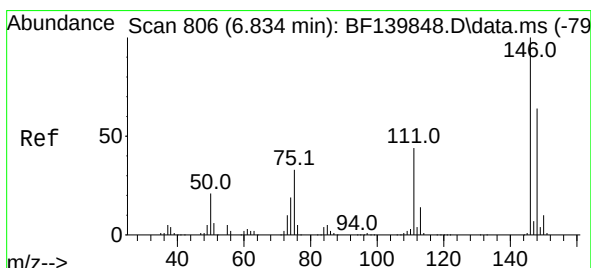
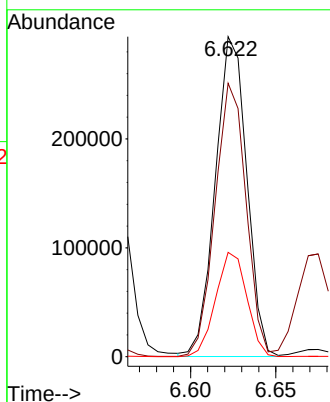
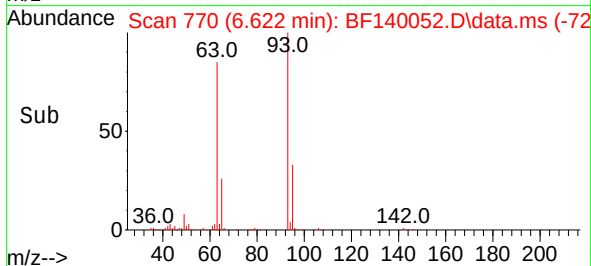


Tgt Ion: 93 Resp: 377809
Ion Ratio Lower Upper
93 100
63 85.4 65.0 105.0
95 32.6 12.4 52.4

Manual Integrations

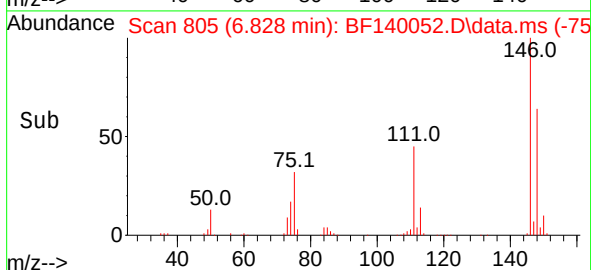
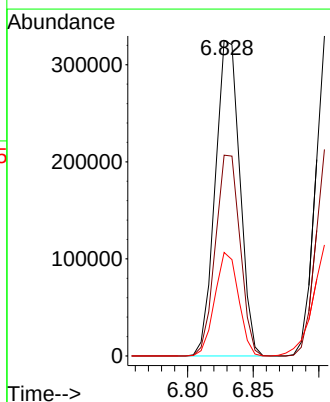
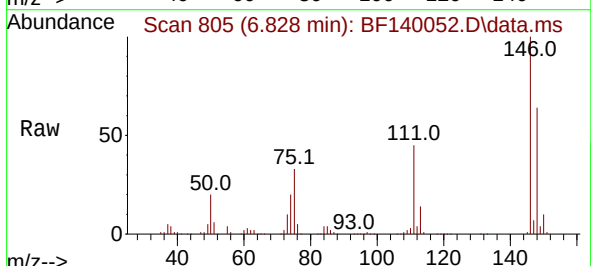
APPROVED

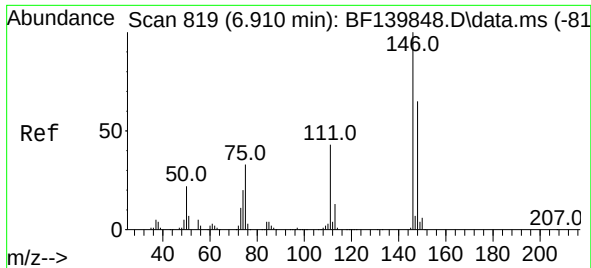
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024



#12
1,3-Dichlorobenzene
Concen: 42.090 ng
RT: 6.828 min Scan# 805
Delta R.T. -0.006 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

Tgt Ion:146 Resp: 422642
Ion Ratio Lower Upper
146 100
148 63.6 51.0 76.4
75 32.8 26.4 39.6





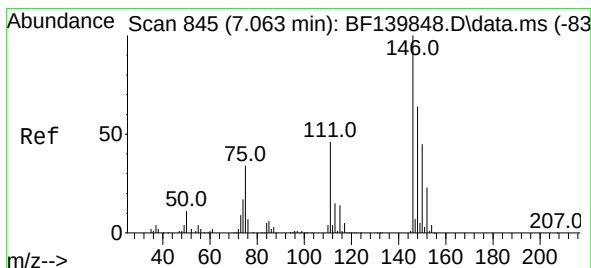
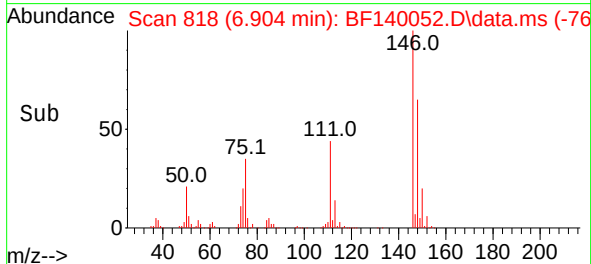
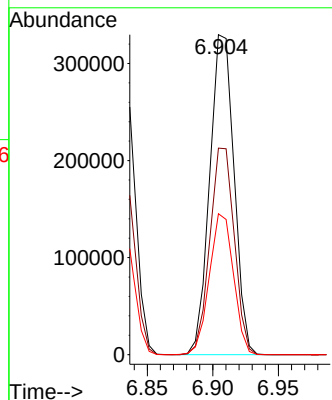
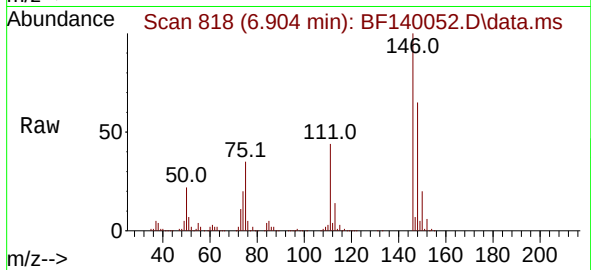
#13
1,4-Dichlorobenzene
Concen: 42.528 ng
RT: 6.904 min Scan# 819
Delta R.T. -0.006 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

Instrument :
BNA_F
ClientSampleId :
PB164401BS

Tgt Ion:146 Resp: 426630
Ion Ratio Lower Upper
146 100
148 64.5 51.8 77.8
111 44.0 34.6 51.8

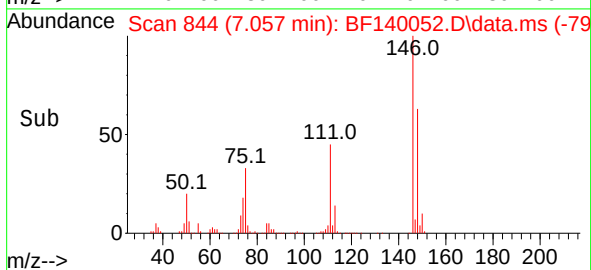
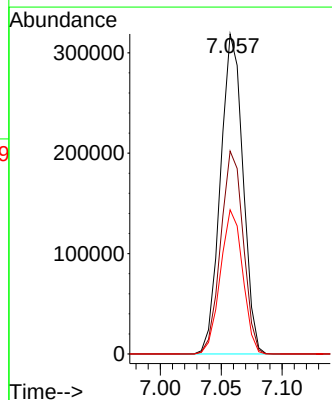
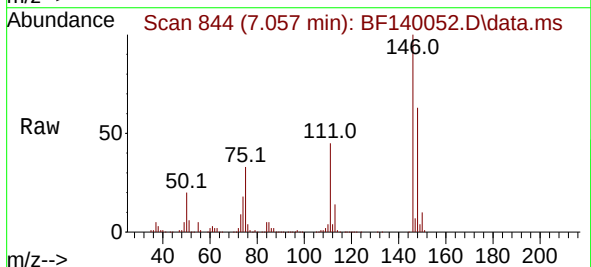
Manual Integrations
APPROVED

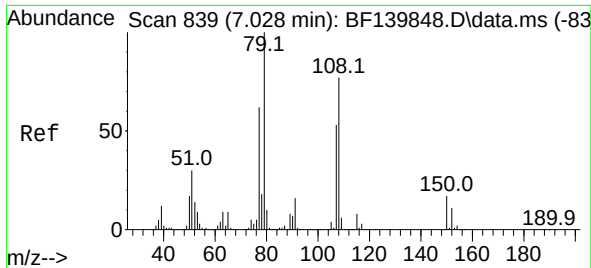
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024



#14
1,2-Dichlorobenzene
Concen: 43.717 ng
RT: 7.057 min Scan# 844
Delta R.T. -0.006 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

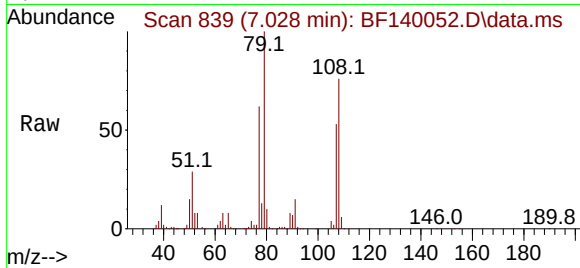
Tgt Ion:146 Resp: 409319
Ion Ratio Lower Upper
146 100
148 63.4 51.4 77.2
111 45.0 36.7 55.1





#15
Benzyl Alcohol
Concen: 44.322 ng
RT: 7.028 min Scan# 839
Delta R.T. 0.000 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

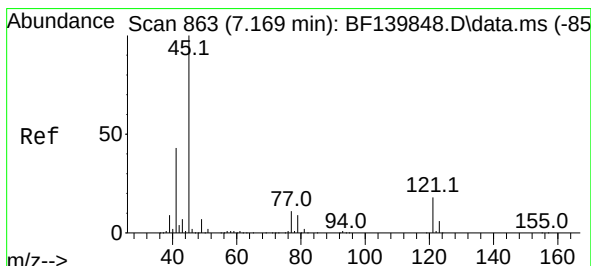
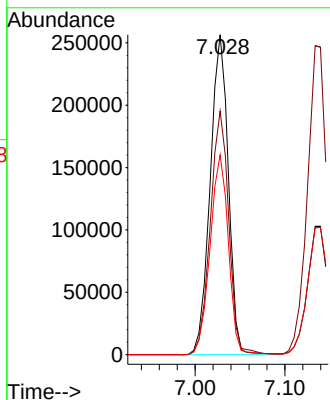
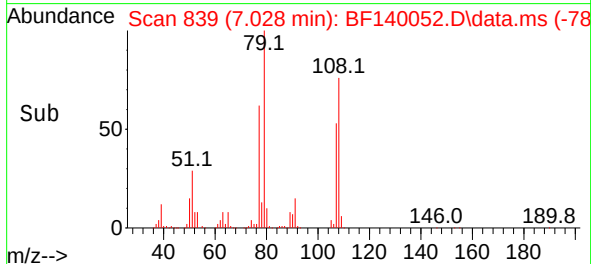
Instrument :
BNA_F
ClientSampleId :
PB164401BS



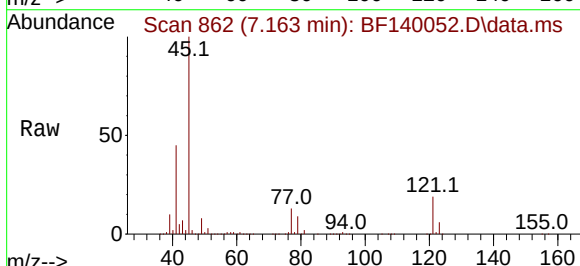
Tgt Ion: 79 Resp: 360300
Ion Ratio Lower Upper
79 100
108 76.1 61.4 92.0
77 62.5 49.9 74.9

Manual Integrations
APPROVED

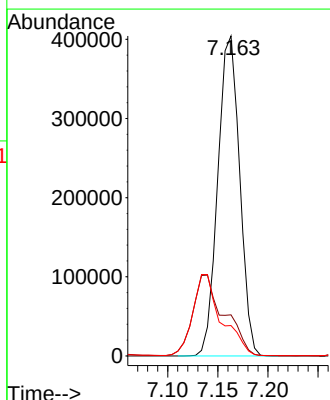
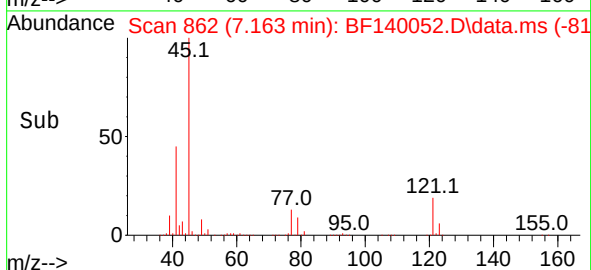
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

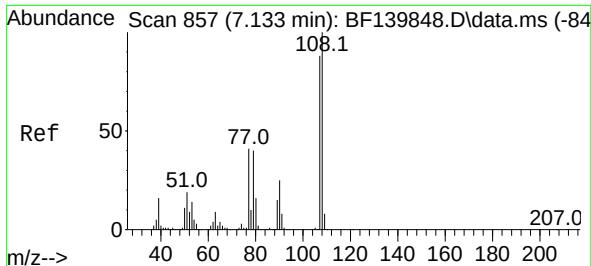


#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.658 ng
RT: 7.163 min Scan# 862
Delta R.T. -0.006 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34



Tgt Ion: 45 Resp: 612220
Ion Ratio Lower Upper
45 100
77 12.8 0.0 31.5
79 9.5 0.0 29.1





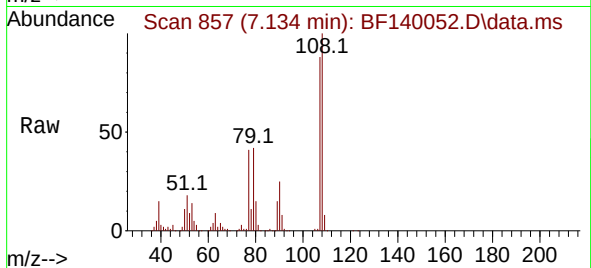
#17
2-Methylphenol
Concen: 42.935 ng
RT: 7.134 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164401BS

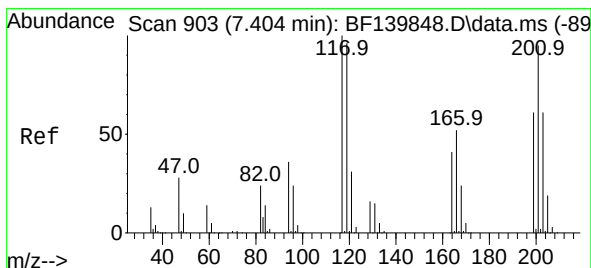
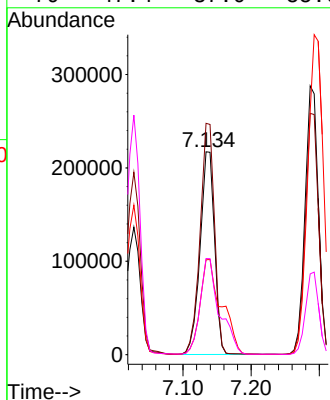
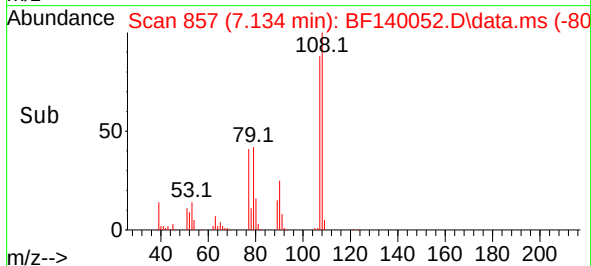


Tgt Ion:107 Resp: 32025
Ion Ratio Lower Upper
107 100
108 114.0 91.3 136.9
77 46.8 37.1 55.7
79 47.4 37.0 55.6

Manual Integrations

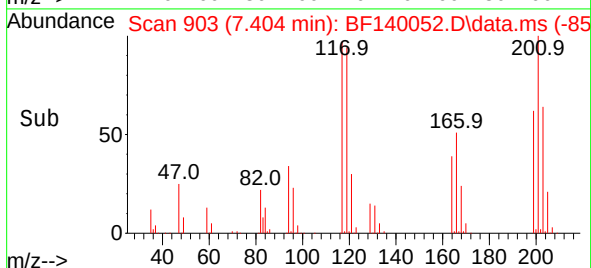
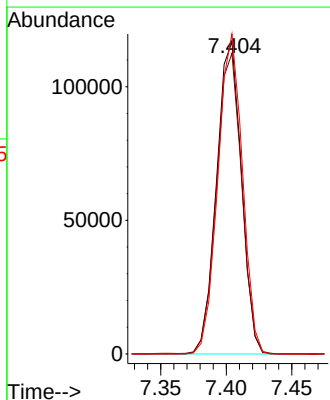
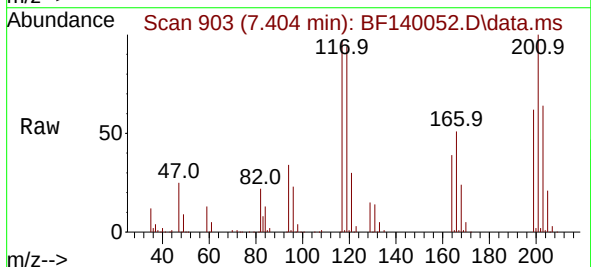
APPROVED

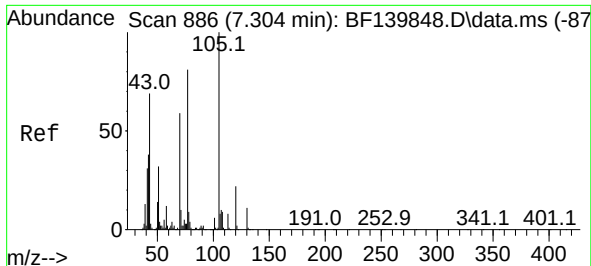
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024



#18
Hexachloroethane
Concen: 43.106 ng
RT: 7.404 min Scan# 903
Delta R.T. 0.000 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

Tgt Ion:117 Resp: 154207
Ion Ratio Lower Upper
117 100
119 96.3 77.0 115.4
201 102.6 76.2 114.4





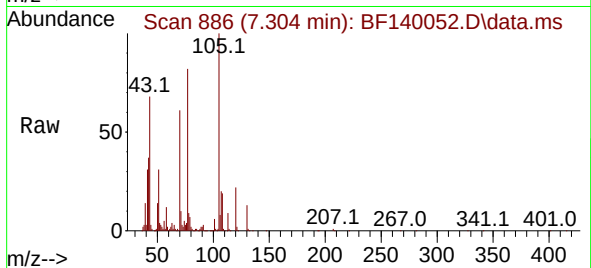
#19
n-Nitroso-di-n-propylamine
Concen: 40.789 ng
RT: 7.304 min Scan# 886
Delta R.T. 0.000 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164401BS



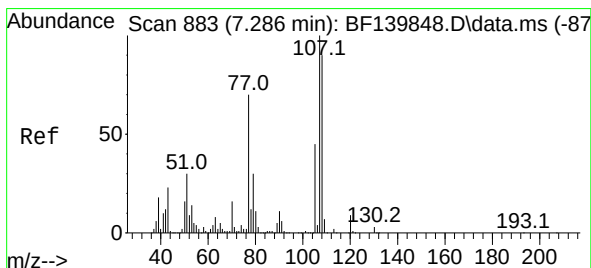
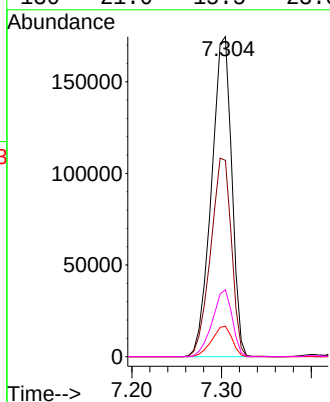
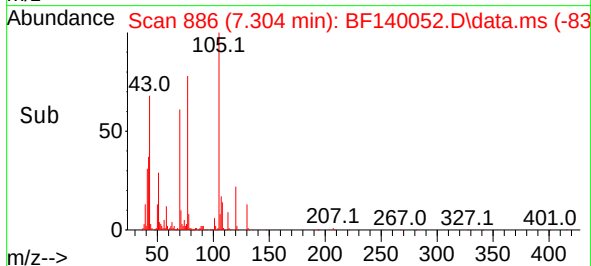
Tgt Ion: 70 Resp: 27415
Ion Ratio Lower Upper
70 100
42 61.4 51.5 77.3
101 9.6 7.5 11.3
130 21.0 15.5 23.3

Manual Integrations

APPROVED

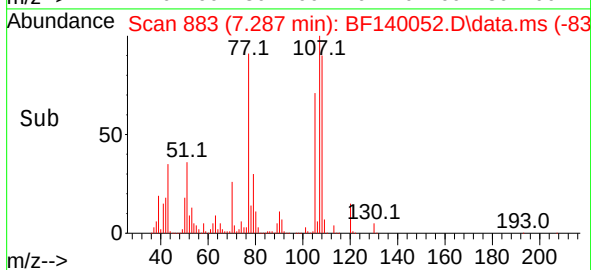
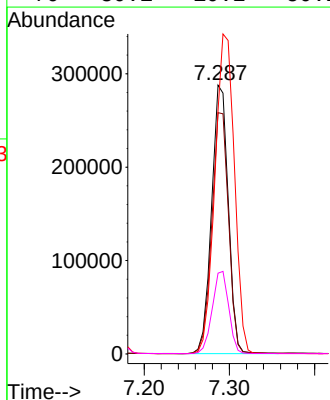
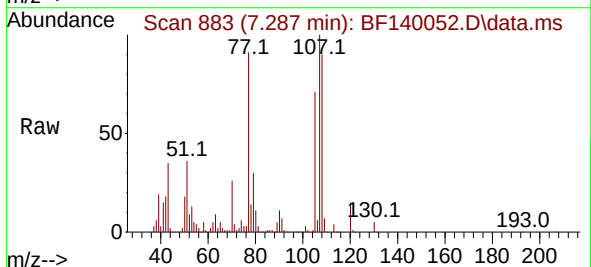
Reviewed By :Yogesh Patel 10/29/2024

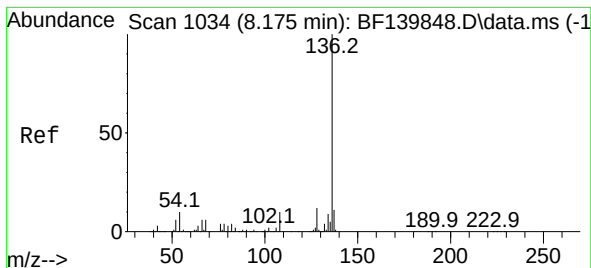
Supervised By :mohammad ahmed 10/29/2024



#20
3+4-Methylphenols
Concen: 40.978 ng
RT: 7.287 min Scan# 883
Delta R.T. 0.000 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

Tgt Ion:107 Resp: 390957
Ion Ratio Lower Upper
107 100
108 89.7 69.8 109.8
77 90.6 50.5 90.5#
79 30.1 10.2 50.2





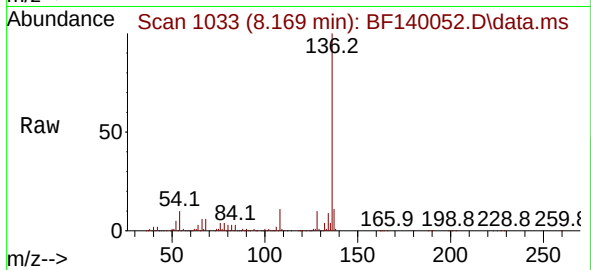
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.169 min Scan# 1033
Delta R.T. -0.006 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164401BS



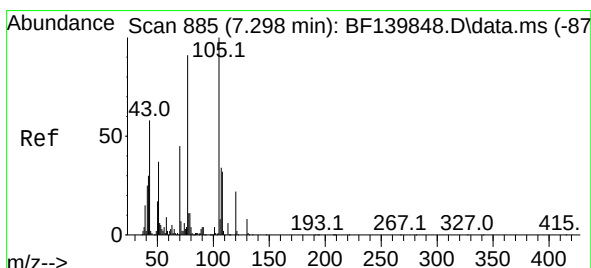
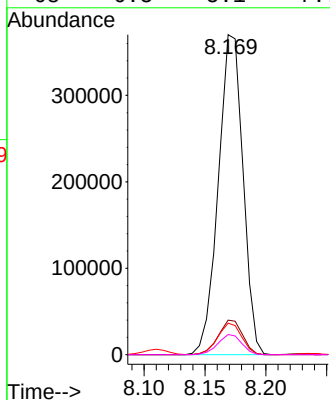
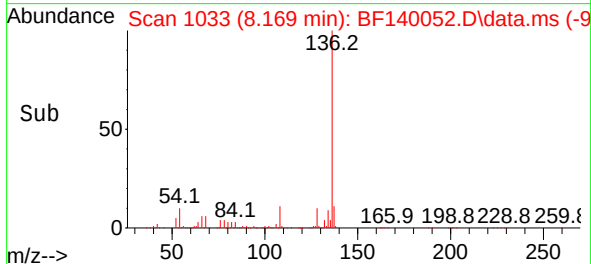
Tgt Ion:136 Resp: 523076
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 9.8 8.4 12.6
68 6.3 5.1 7.7

Manual Integrations

APPROVED

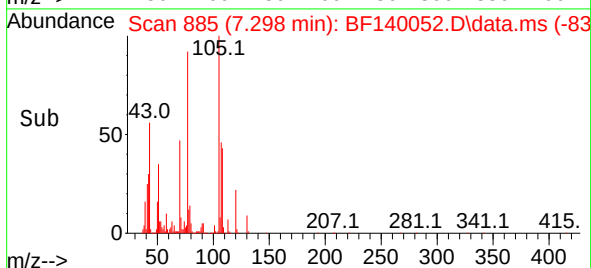
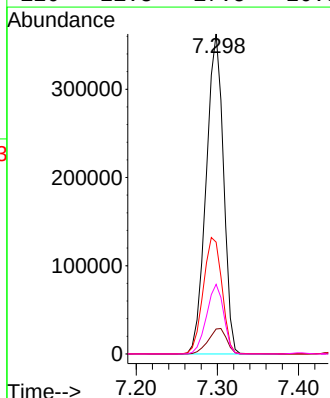
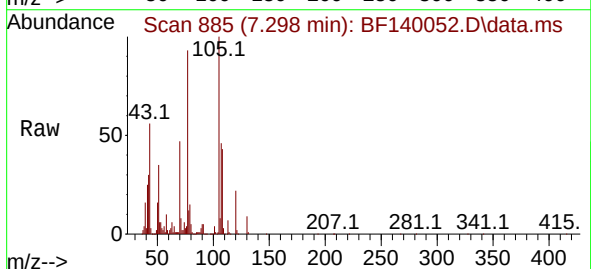
Reviewed By :Yogesh Patel 10/29/2024

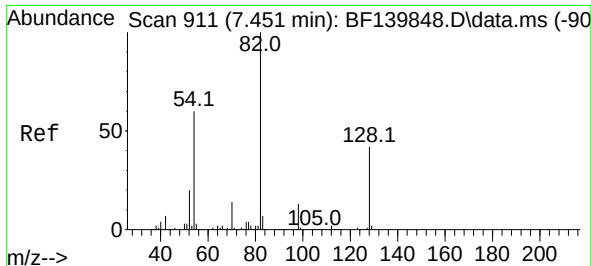
Supervised By :mohammad ahmed 10/29/2024



#22
Acetophenone
Concen: 41.819 ng
RT: 7.298 min Scan# 885
Delta R.T. 0.000 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

Tgt Ion:105 Resp: 535776
Ion Ratio Lower Upper
105 100
71 7.8 5.9 8.9
51 35.0 29.4 44.2
120 21.8 17.5 26.3





#23

Nitrobenzene-d5

Concen: 85.732 ng

RT: 7.451 min Scan# 911

Delta R.T. 0.000 min

Lab File: BF140052.D

Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

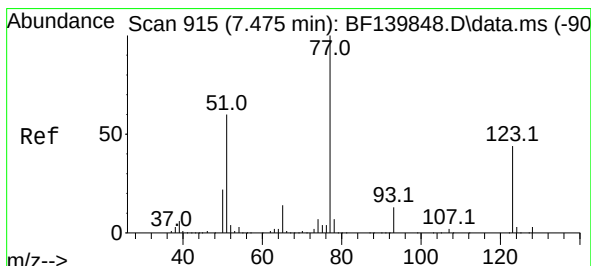
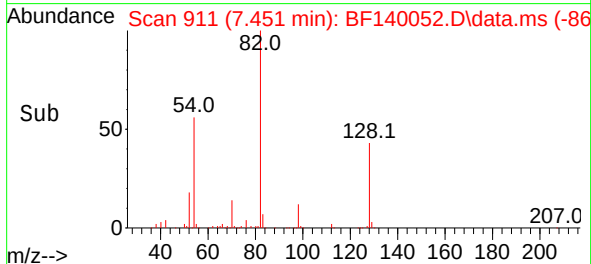
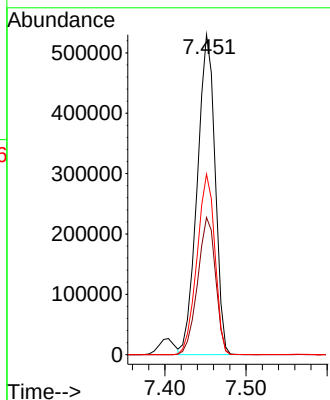
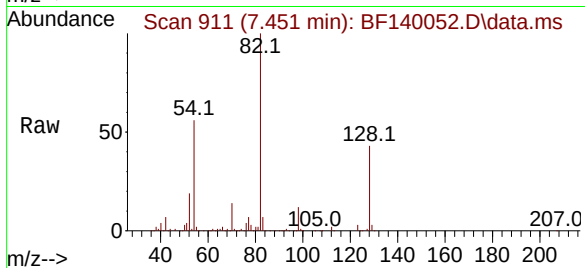
PB164401BS

Tgt Ion: 82 Resp: 80912
 Ion Ratio Lower Upper
 82 100
 128 42.9 33.4 50.0
 54 56.4 47.8 71.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024
 Supervised By :mohammad ahmed 10/29/2024



#24

Nitrobenzene

Concen: 41.317 ng

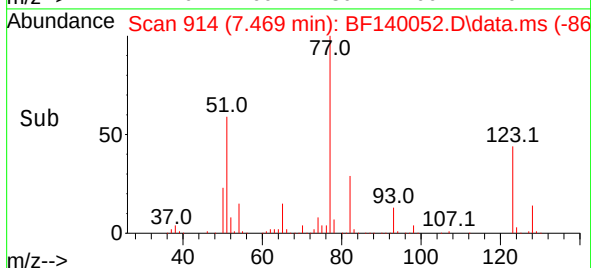
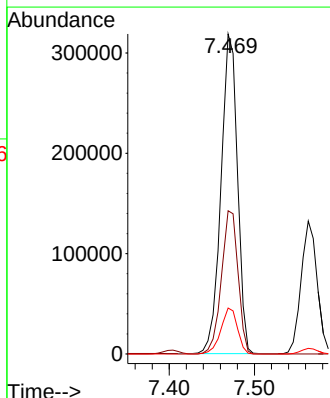
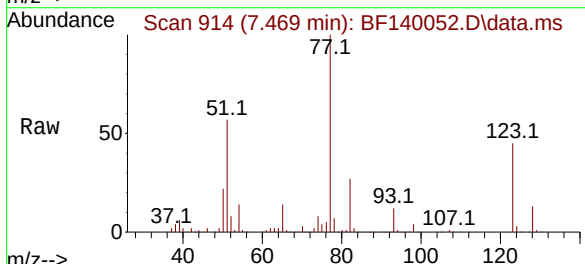
RT: 7.469 min Scan# 914

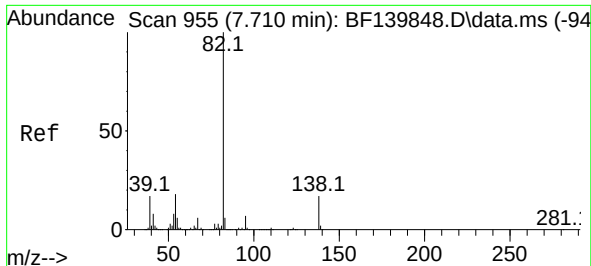
Delta R.T. -0.006 min

Lab File: BF140052.D

Acq: 26 Oct 2024 11:34

Tgt Ion: 77 Resp: 427531
 Ion Ratio Lower Upper
 77 100
 123 44.8 35.7 53.5
 65 14.4 11.5 17.3





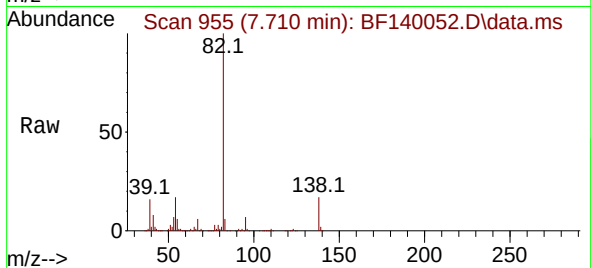
#25
Isophorone
Concen: 42.704 ng
RT: 7.710 min Scan# 955
Delta R.T. 0.000 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164401BS

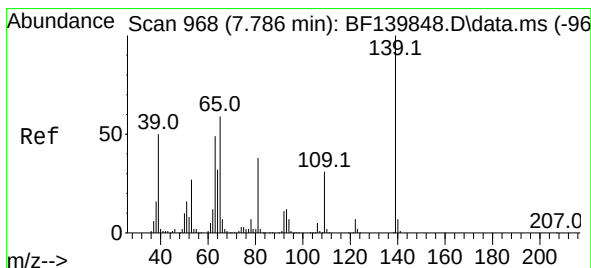
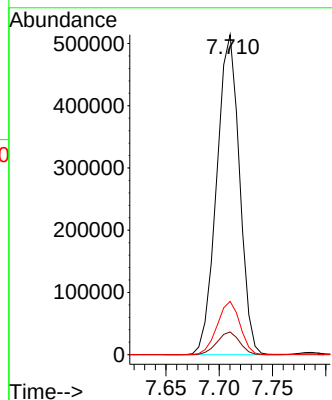
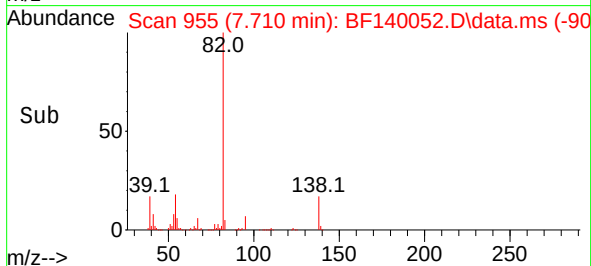


Tgt Ion: 82 Resp: 764949
Ion Ratio Lower Upper
82 100
95 7.1 5.5 8.3
138 16.7 13.2 19.8

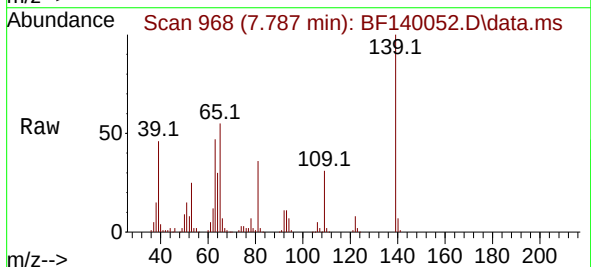
Manual Integrations

APPROVED

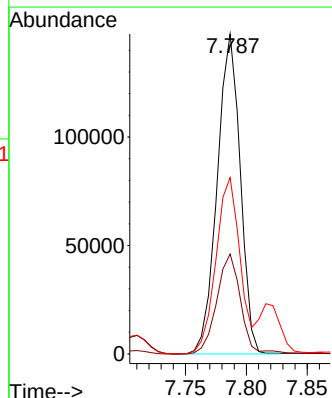
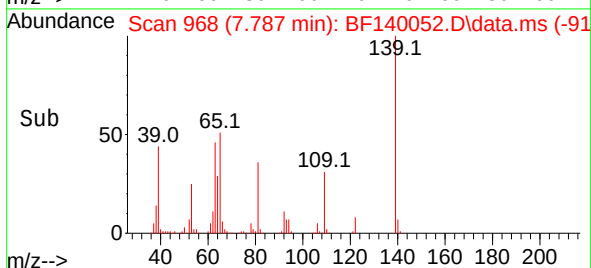
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

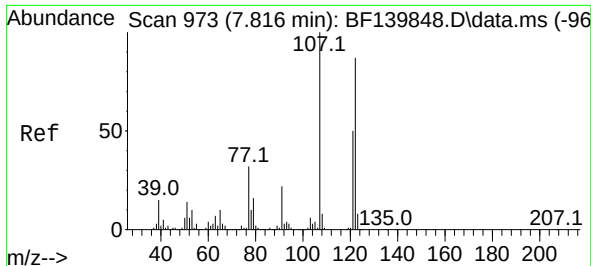


#26
2-Nitrophenol
Concen: 49.821 ng
RT: 7.787 min Scan# 968
Delta R.T. 0.000 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34



Tgt Ion:139 Resp: 194486
Ion Ratio Lower Upper
139 100
109 31.2 25.1 37.7
65 55.1 47.5 71.3





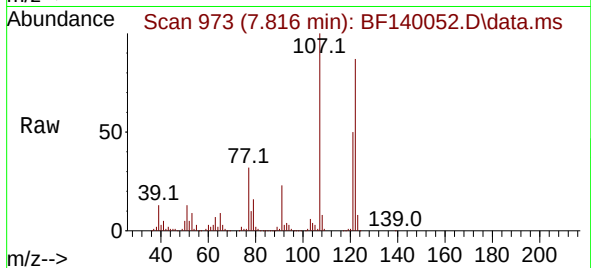
#27
2,4-Dimethylphenol
Concen: 49.284 ng
RT: 7.816 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164401BS



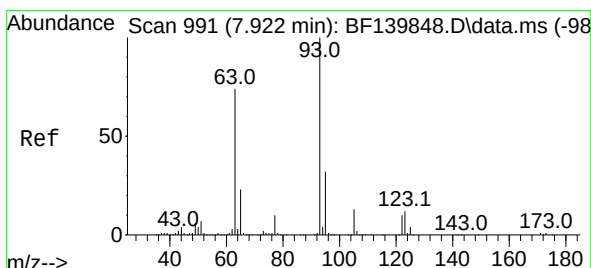
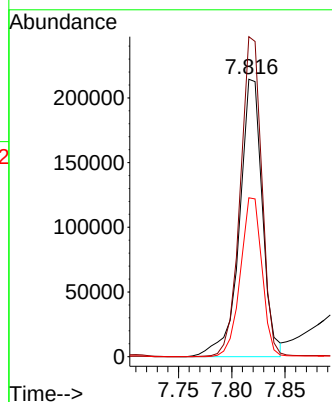
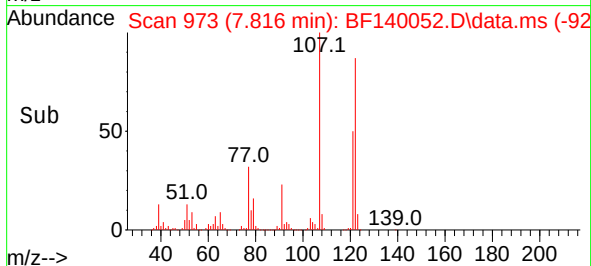
Tgt Ion:122 Resp: 320800
Ion Ratio Lower Upper
122 100
107 115.3 91.9 137.9
121 57.3 46.2 69.4

Manual Integrations

APPROVED

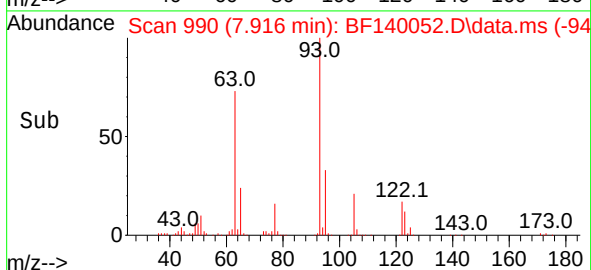
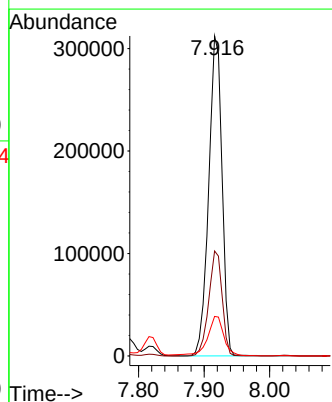
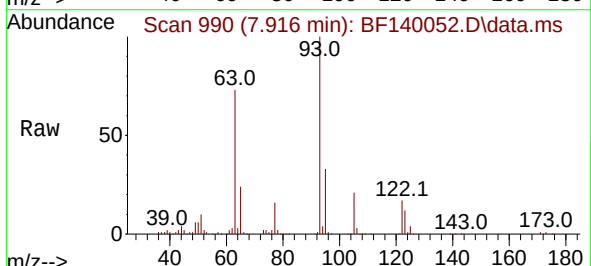
Reviewed By :Yogesh Patel 10/29/2024

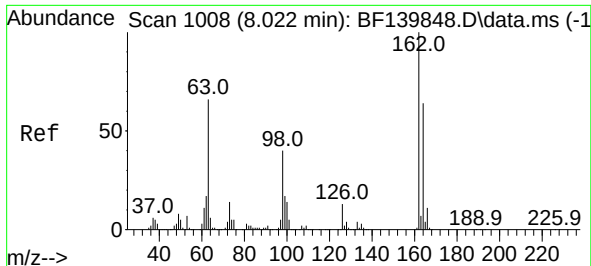
Supervised By :mohammad ahmed 10/29/2024



#28
bis(2-Chloroethoxy)methane
Concen: 40.755 ng
RT: 7.916 min Scan# 990
Delta R.T. -0.006 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

Tgt Ion: 93 Resp: 442314
Ion Ratio Lower Upper
93 100
95 32.8 26.0 39.0
123 12.3 9.8 14.8





#29
2,4-Dichlorophenol
Concen: 43.007 ng
RT: 8.028 min Scan# 1008
Delta R.T. 0.006 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

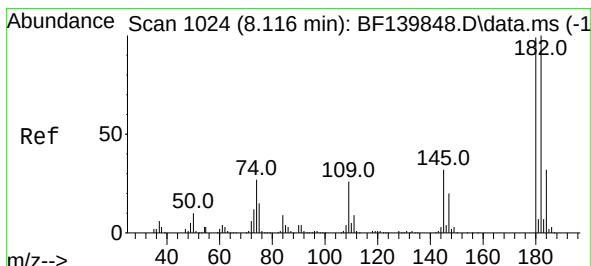
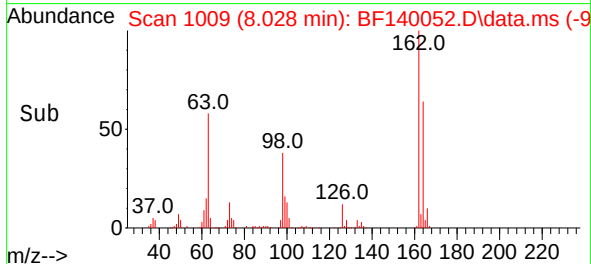
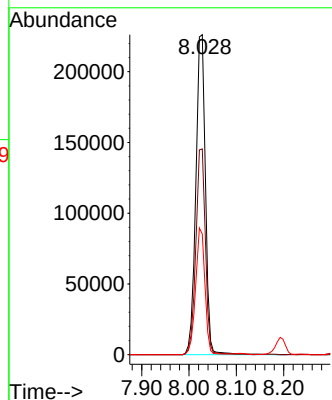
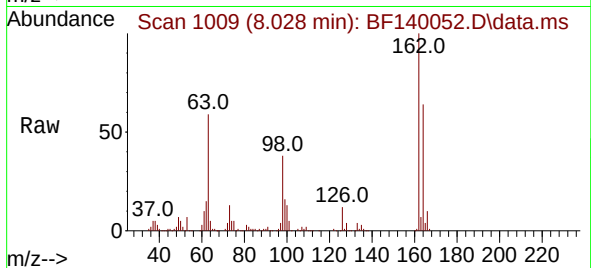
PB164401BS

Tgt Ion:162 Resp: 31885
Ion Ratio Lower Upper
162 100
164 64.3 43.9 83.9
98 37.7 19.9 59.9

Manual Integrations

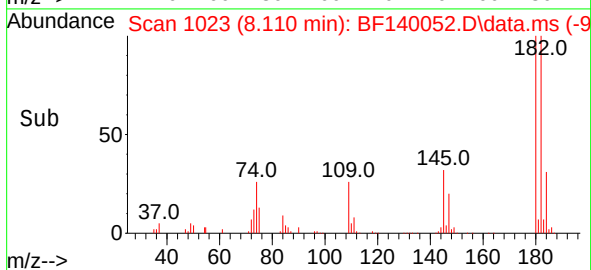
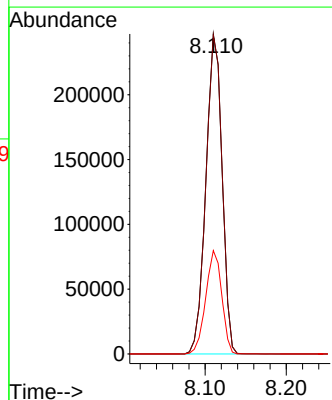
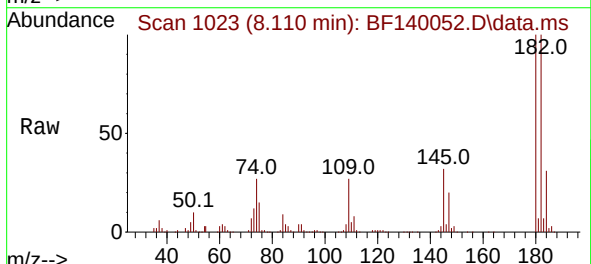
APPROVED

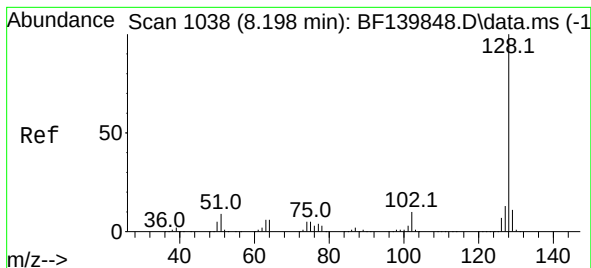
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024



#30
1,2,4-Trichlorobenzene
Concen: 41.600 ng
RT: 8.110 min Scan# 1023
Delta R.T. -0.006 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

Tgt Ion:180 Resp: 341281
Ion Ratio Lower Upper
180 100
182 99.6 80.5 120.7
145 32.3 25.4 38.0





#31

Naphthalene

Concen: 42.420 ng

RT: 8.192 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF140052.D

Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164401BS

Tgt Ion:128 Resp: 114438

Ion Ratio Lower Upper

128 100

129 11.0 8.9 13.3

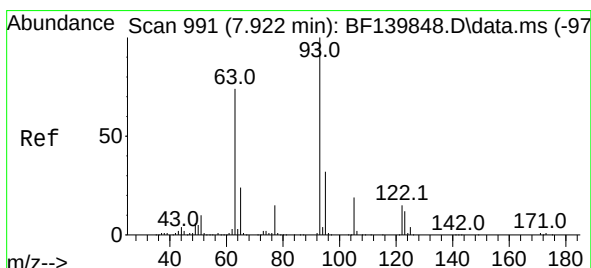
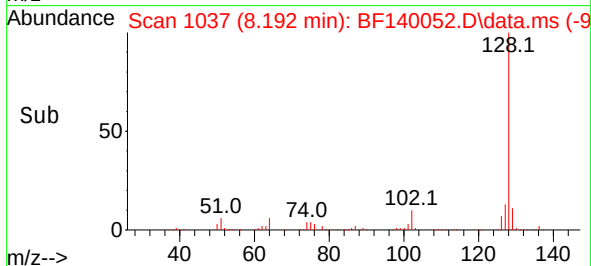
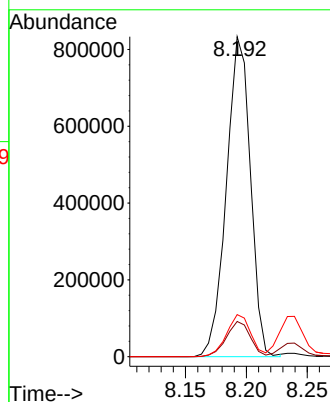
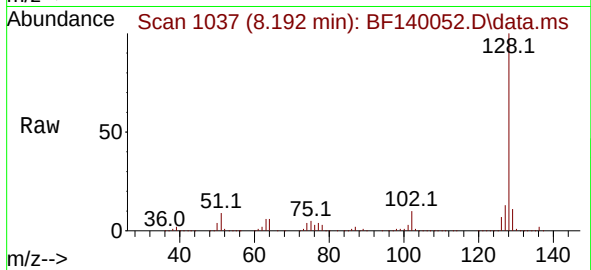
127 13.1 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#32

Benzoic acid

Concen: 38.943 ng

RT: 7.934 min Scan# 993

Delta R.T. 0.012 min

Lab File: BF140052.D

Acq: 26 Oct 2024 11:34

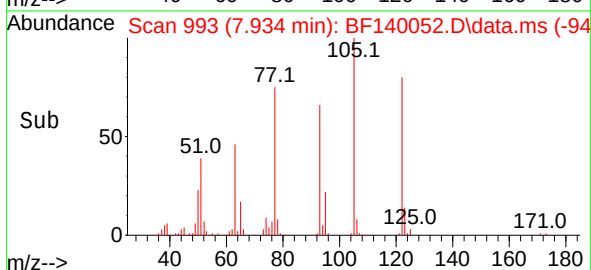
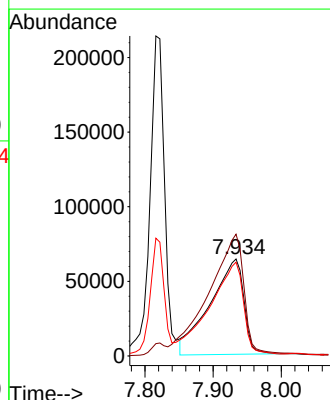
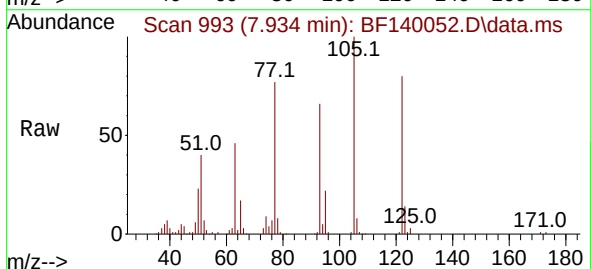
Tgt Ion:122 Resp: 221089

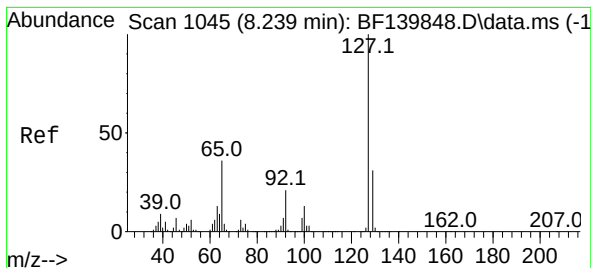
Ion Ratio Lower Upper

122 100

105 125.5 107.6 147.6

77 96.7 80.2 120.2





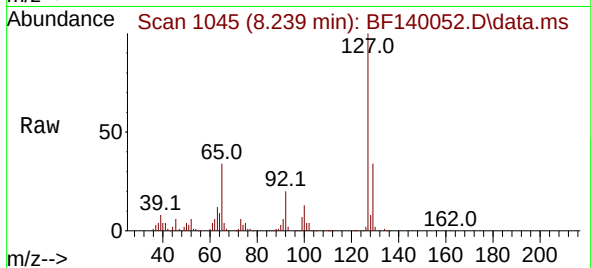
#33
4-Chloroaniline
Concen: 17.428 ng
RT: 8.239 min Scan# 1045
Delta R.T. 0.000 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164401BS



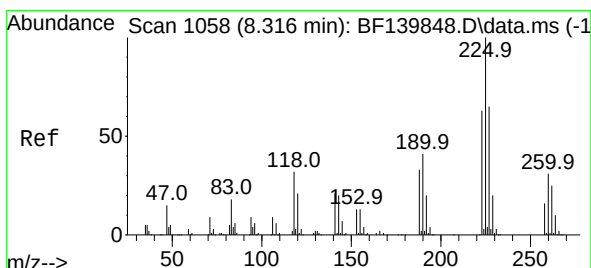
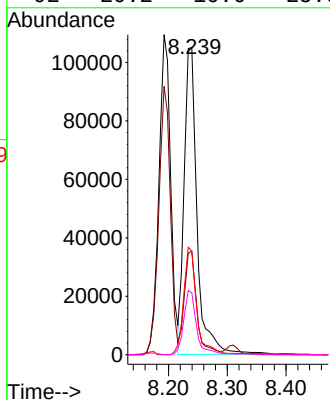
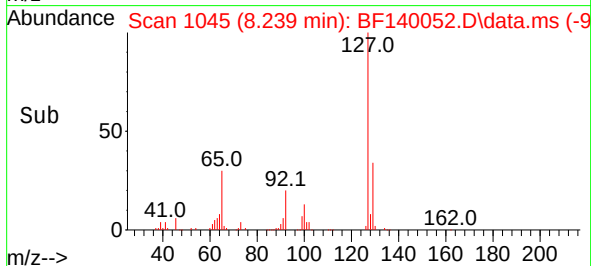
Tgt Ion:127 Resp: 160319
Ion Ratio Lower Upper
127 100
129 33.7 25.4 38.2
65 33.7 28.4 42.6
92 20.2 16.6 25.0

Manual Integrations

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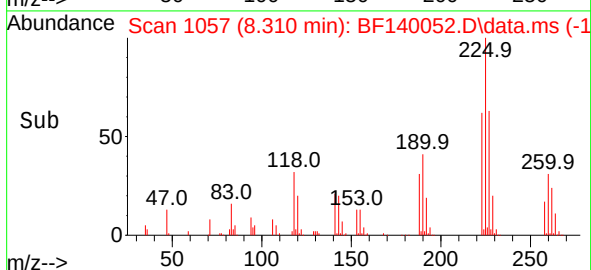
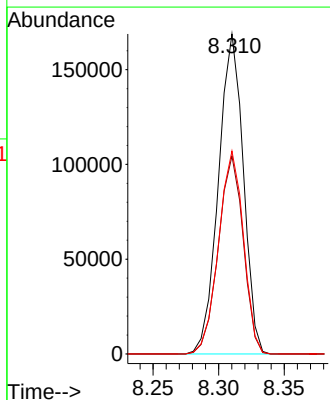
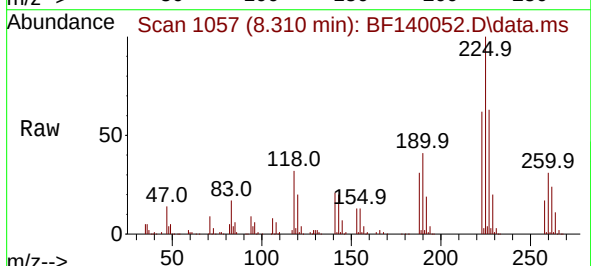
Reviewed By :Yogesh Patel 10/29/2024

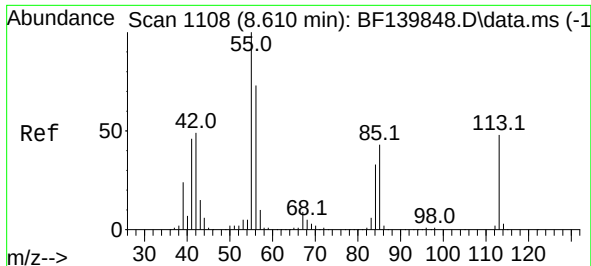
Supervised By :mohammad ahmed 10/29/2024



#34
Hexachlorobutadiene
Concen: 43.117 ng
RT: 8.310 min Scan# 1057
Delta R.T. -0.006 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

Tgt Ion:225 Resp: 222248
Ion Ratio Lower Upper
225 100
223 61.8 50.6 76.0
227 63.4 51.8 77.8





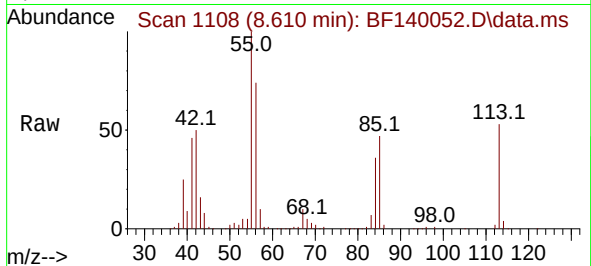
#35
Caprolactam
Concen: 44.422 ng m
RT: 8.610 min Scan# 1108
Delta R.T. 0.000 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164401BS



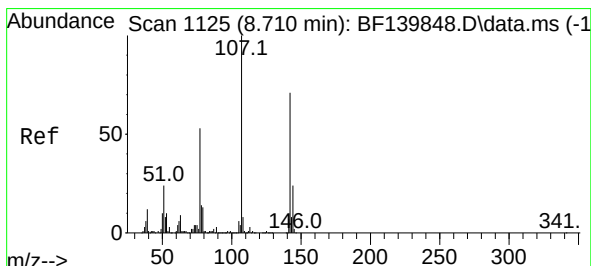
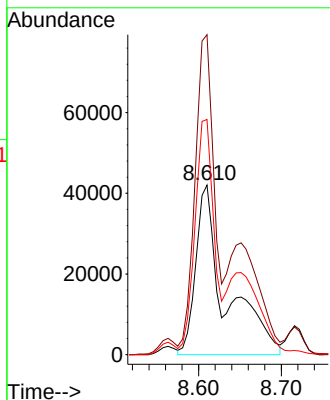
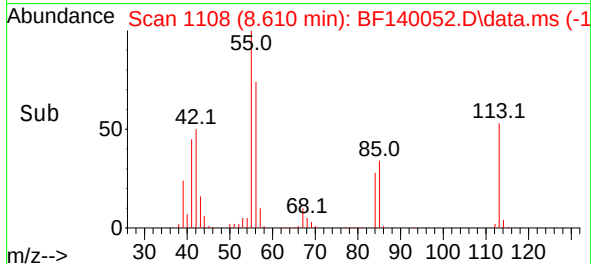
Tgt Ion:113 Resp: 10472
Ion Ratio Lower Upper
113 100
55 188.7 189.2 229.2
56 138.7 132.5 172.5

Manual Integrations

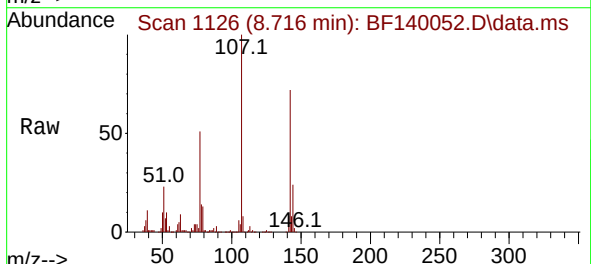
APPROVED

Reviewed By :Yogesh Patel 10/29/2024

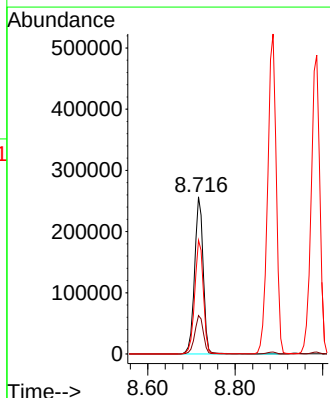
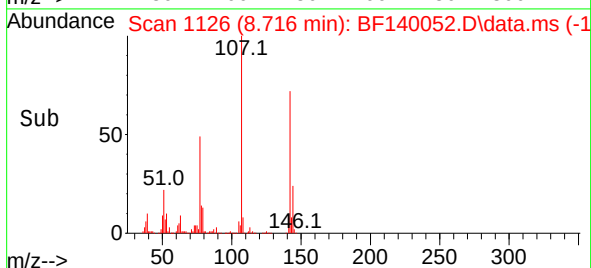
Supervised By :mohammad ahmed 10/29/2024

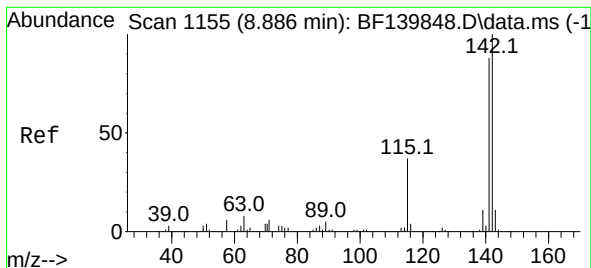


#36
4-Chloro-3-methylphenol
Concen: 42.951 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.006 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34



Tgt Ion:107 Resp: 352609
Ion Ratio Lower Upper
107 100
144 24.4 19.1 28.7
142 72.4 57.2 85.8





#37
2-Methylnaphthalene
Concen: 42.867 ng
RT: 8.887 min Scan# 1155
Delta R.T. 0.000 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

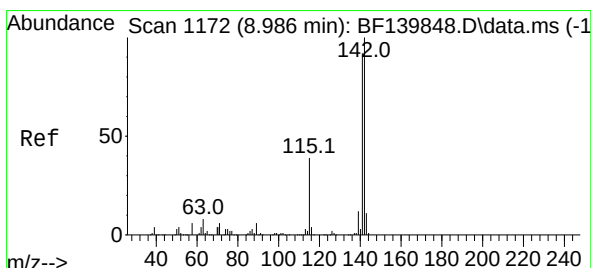
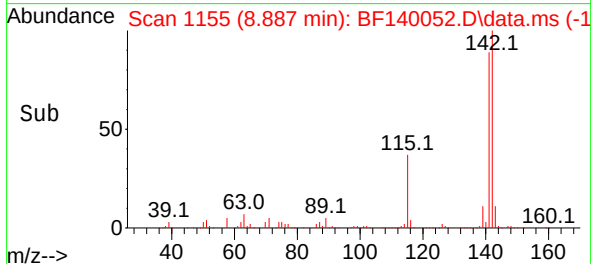
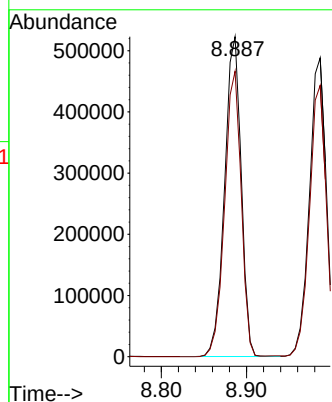
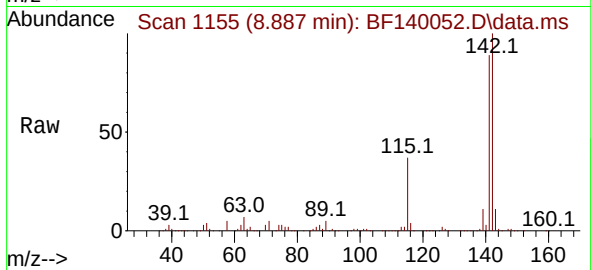
PB164401BS

Tgt Ion:142 Resp: 708240
Ion Ratio Lower Upper
142 100
141 89.2 70.8 106.2

Manual Integrations

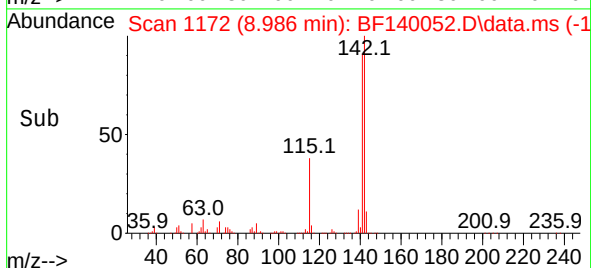
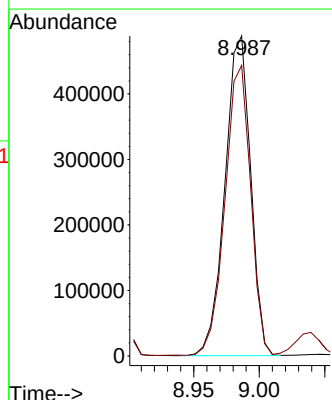
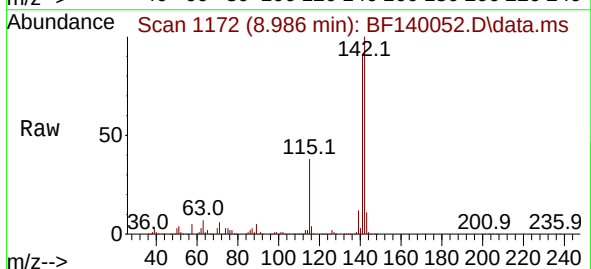
APPROVED

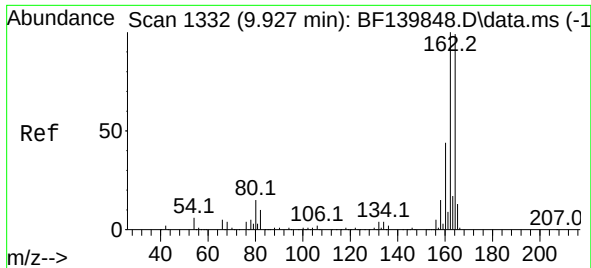
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024



#38
1-Methylnaphthalene
Concen: 41.002 ng
RT: 8.986 min Scan# 1172
Delta R.T. 0.000 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

Tgt Ion:142 Resp: 664636
Ion Ratio Lower Upper
142 100
141 90.8 73.5 110.3





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.928 min Scan# 140052

Delta R.T. 0.001 min

Lab File: BF140052.D

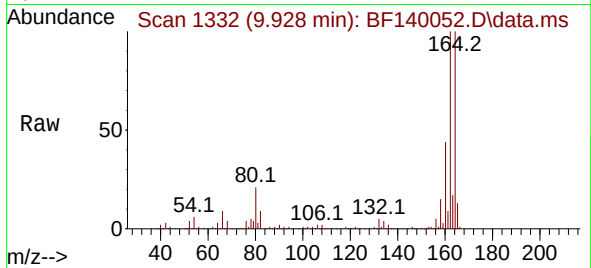
Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164401BS



Tgt Ion:164 Resp: 286549

Ion Ratio Lower Upper

164 100

162 100.4 81.0 121.4

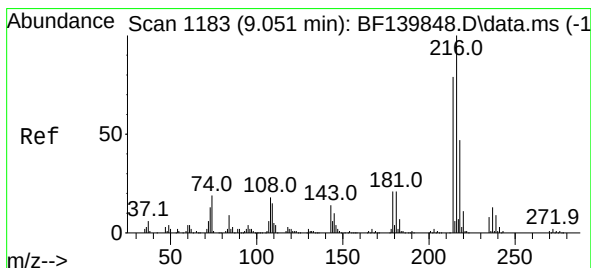
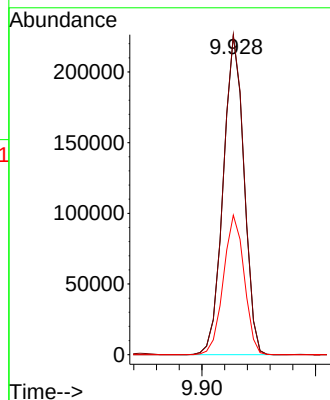
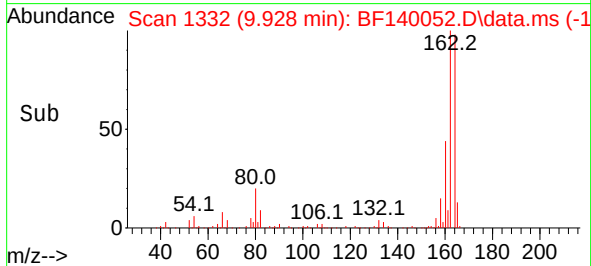
160 43.8 35.4 53.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#40

1,2,4,5-Tetrachlorobenzene

Concen: 43.529 ng

RT: 9.051 min Scan# 1183

Delta R.T. 0.000 min

Lab File: BF140052.D

Acq: 26 Oct 2024 11:34

Tgt Ion:216 Resp: 336499

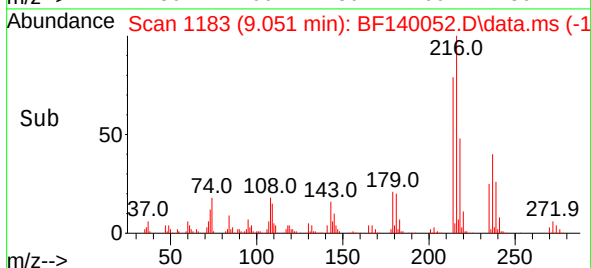
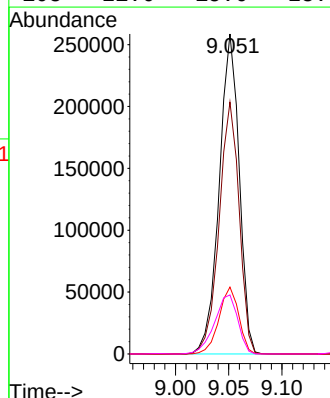
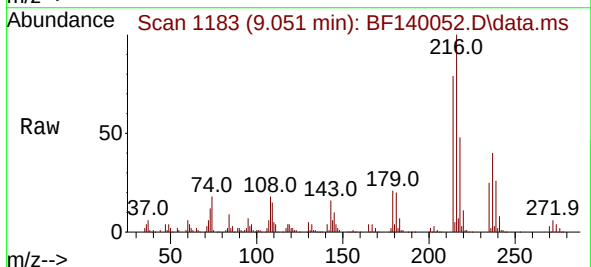
Ion Ratio Lower Upper

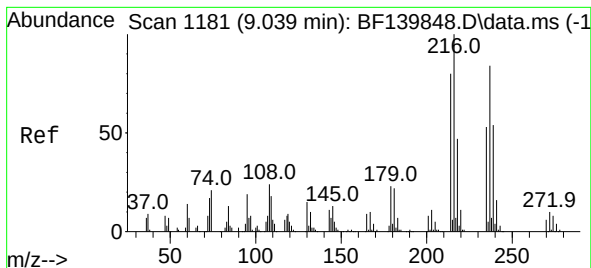
216 100

214 78.8 63.4 95.0

179 20.8 17.2 25.8

108 21.6 15.6 23.4





#41

Hexachlorocyclopentadiene

Concen: 163.391 ng

RT: 9.039 min Scan# 1181

Delta R.T. 0.000 min

Lab File: BF140052.D

Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164401BS

Tgt Ion:237 Resp: 43949

Ion Ratio Lower Upper

237 100

235 62.9 42.9 82.9

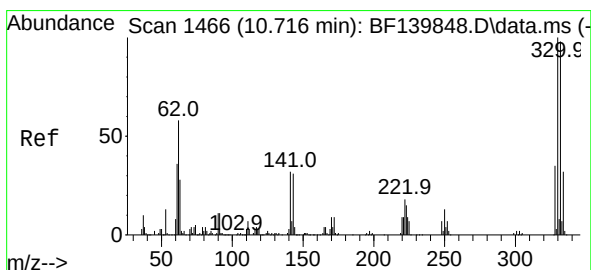
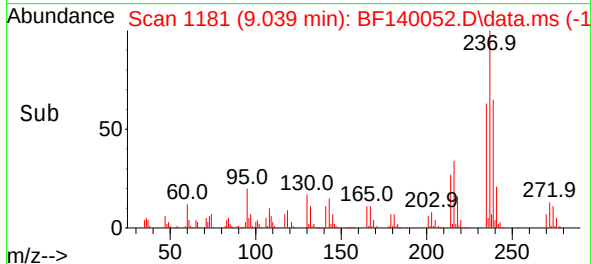
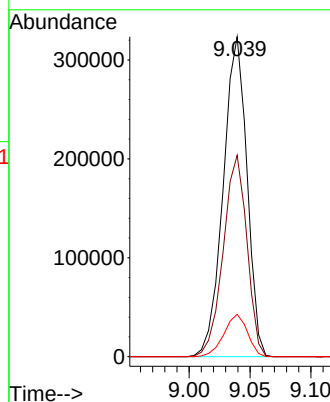
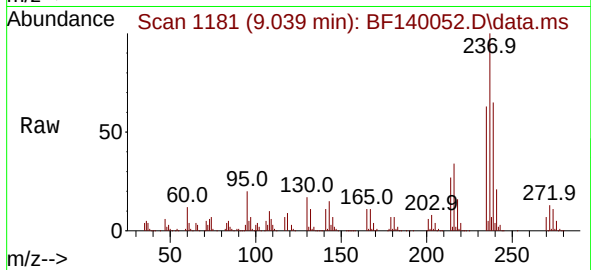
272 13.3 0.0 32.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#42

2,4,6-Tribromophenol

Concen: 135.351 ng

RT: 10.722 min Scan# 1467

Delta R.T. 0.006 min

Lab File: BF140052.D

Acq: 26 Oct 2024 11:34

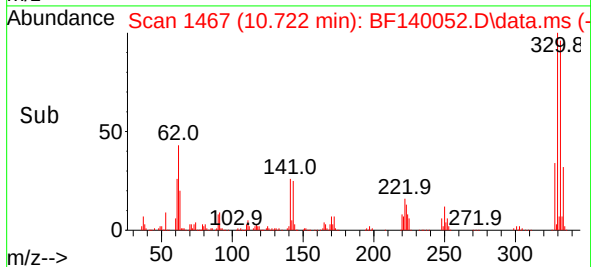
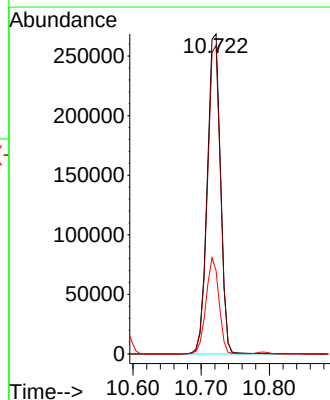
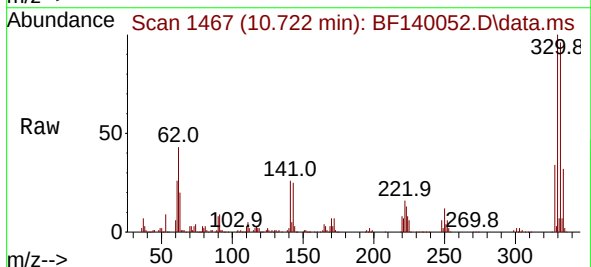
Tgt Ion:330 Resp: 362775

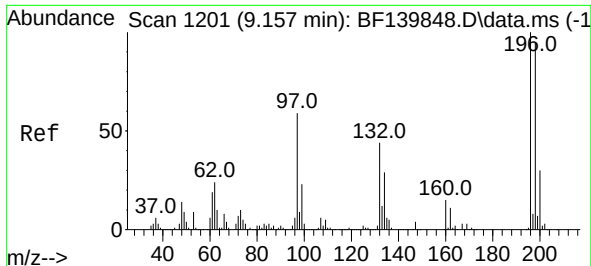
Ion Ratio Lower Upper

330 100

332 96.0 78.1 117.1

141 29.4 26.6 39.8





#43

2,4,6-Trichlorophenol

Concen: 44.850 ng

RT: 9.157 min Scan# 1201

Delta R.T. 0.000 min

Lab File: BF140052.D

Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164401BS

Tgt Ion:196 Resp: 245472

Ion Ratio Lower Upper

196 100

198 94.7 76.2 114.2

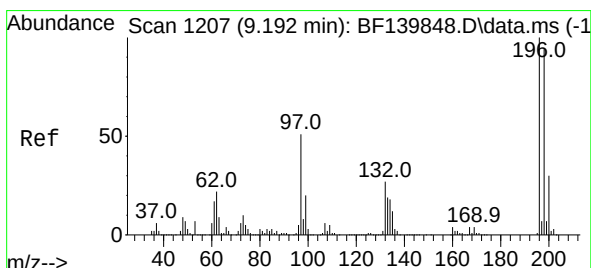
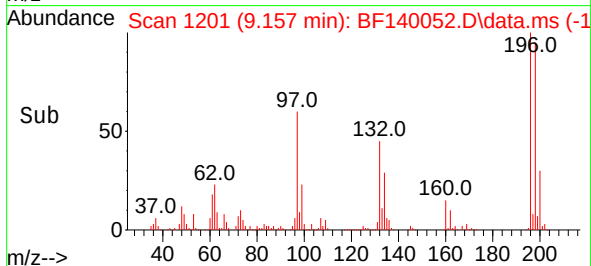
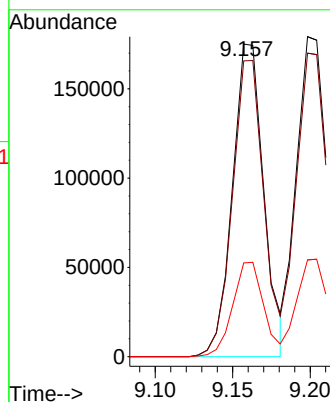
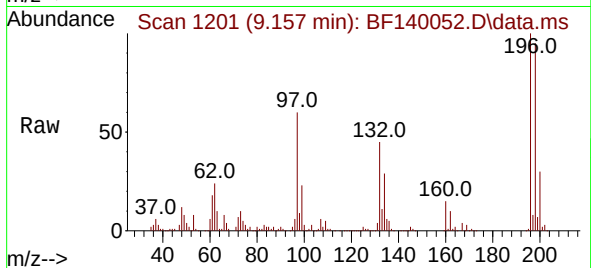
200 30.0 24.0 36.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#44

2,4,5-Trichlorophenol

Concen: 43.845 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.006 min

Lab File: BF140052.D

Acq: 26 Oct 2024 11:34

Tgt Ion:196 Resp: 247584

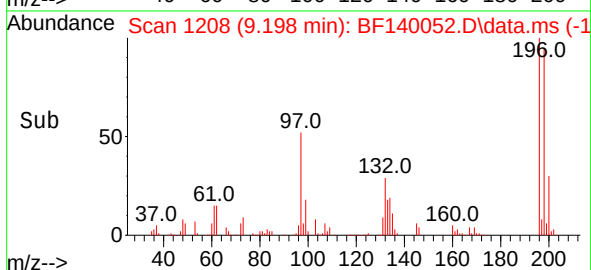
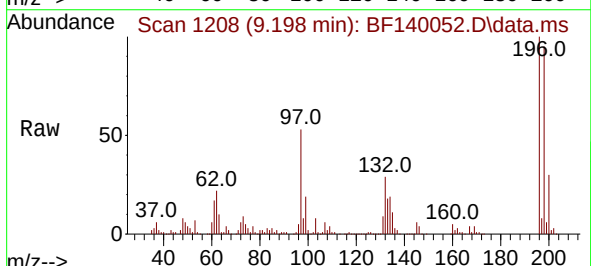
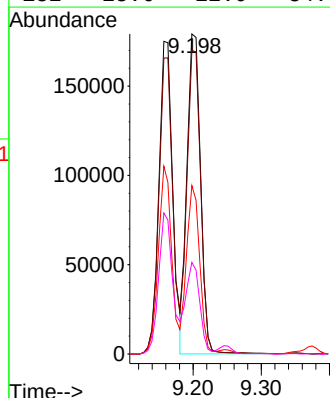
Ion Ratio Lower Upper

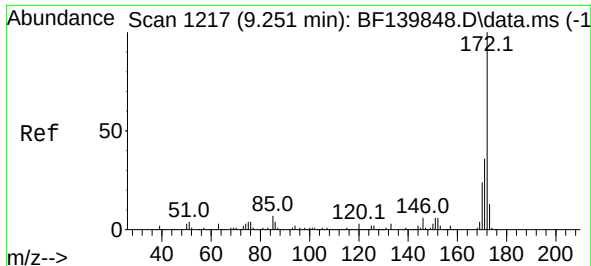
196 100

198 94.9 75.8 113.6

97 52.6 41.8 62.6

132 28.6 22.9 34.3





#45

2-Fluorobiphenyl

Concen: 83.853 ng

RT: 9.245 min Scan# 1216

Delta R.T. -0.006 min

Lab File: BF140052.D

Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164401BS

Tgt Ion:172 Resp: 145384

Ion Ratio Lower Upper

172 100

171 35.6 28.6 43.0

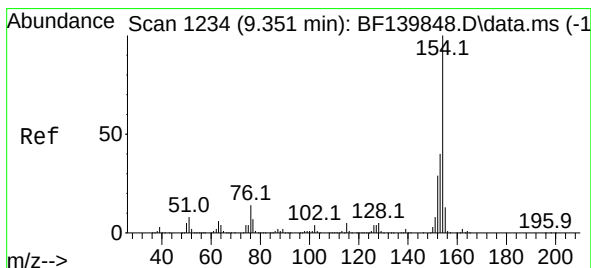
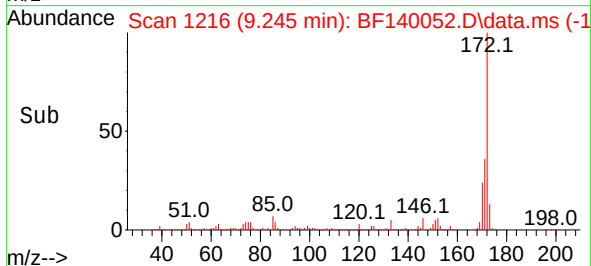
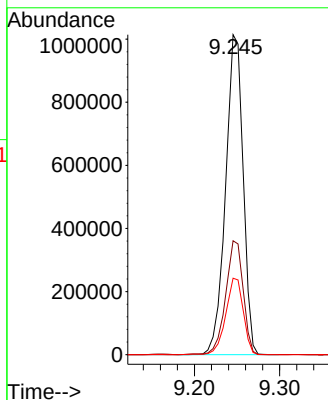
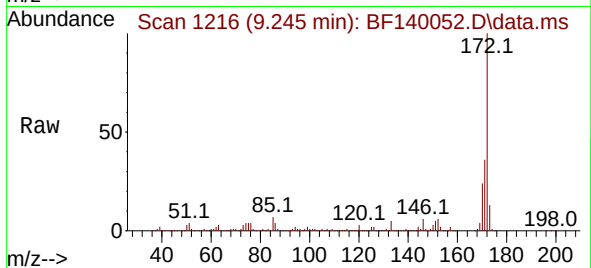
170 23.9 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#46

1,1'-Biphenyl

Concen: 42.840 ng

RT: 9.351 min Scan# 1234

Delta R.T. 0.000 min

Lab File: BF140052.D

Acq: 26 Oct 2024 11:34

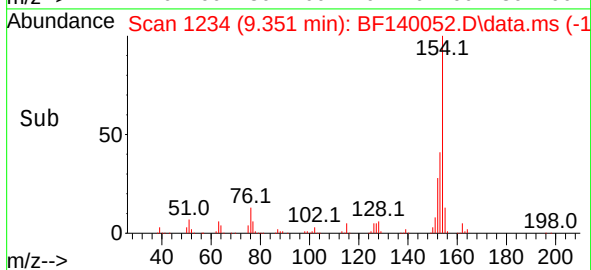
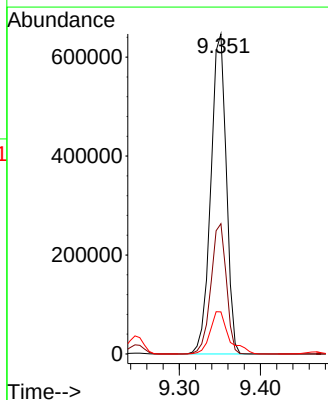
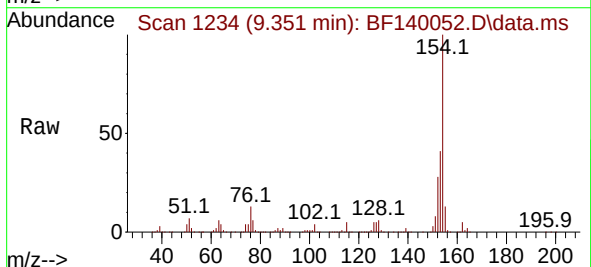
Tgt Ion:154 Resp: 854568

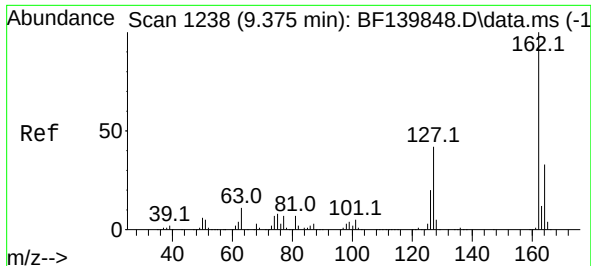
Ion Ratio Lower Upper

154 100

153 40.7 20.3 60.3

76 13.1 0.0 33.9





#47

2-Chloronaphthalene

Concen: 42.568 ng

RT: 9.375 min Scan# 1238

Delta R.T. 0.000 min

Lab File: BF140052.D

Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

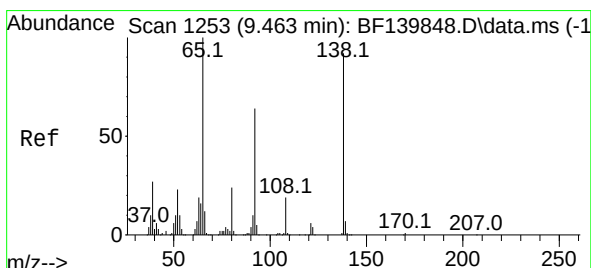
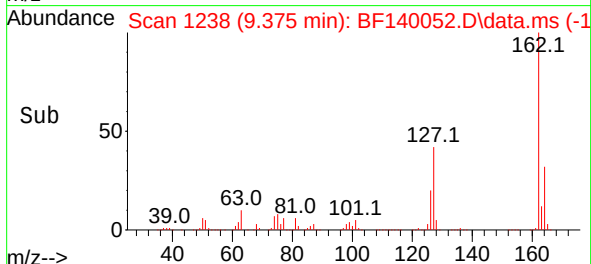
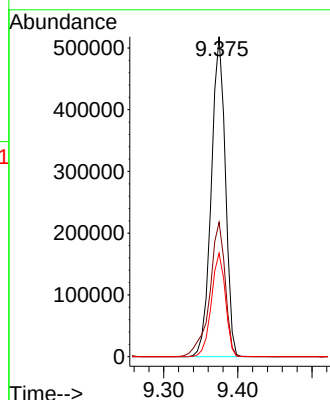
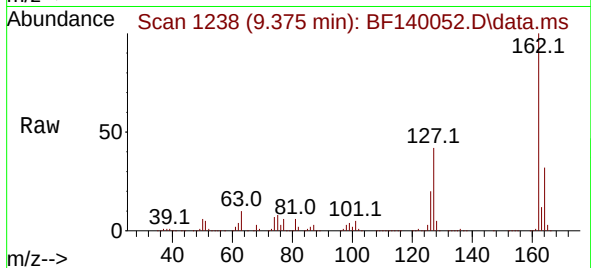
PB164401BS

Tgt Ion:162 Resp: 68390
 Ion Ratio Lower Upper
 162 100
 127 42.0 33.8 50.6
 164 32.3 26.6 39.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024
 Supervised By :mohammad ahmed 10/29/2024



#48

2-Nitroaniline

Concen: 47.690 ng

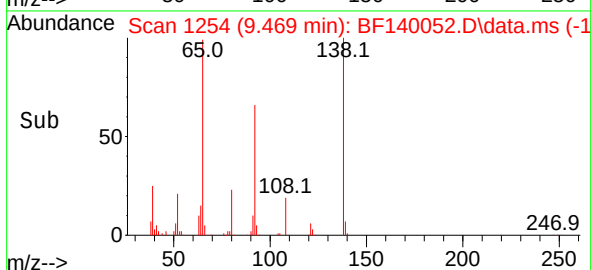
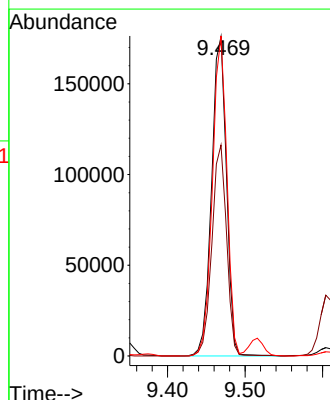
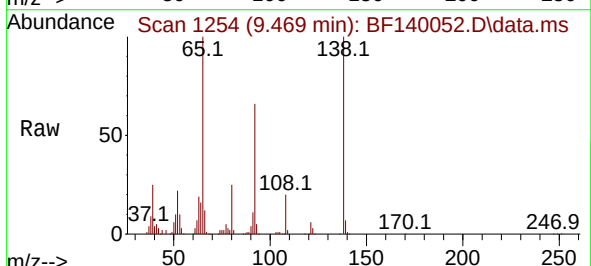
RT: 9.469 min Scan# 1254

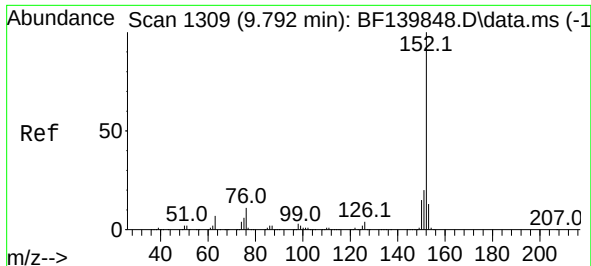
Delta R.T. 0.006 min

Lab File: BF140052.D

Acq: 26 Oct 2024 11:34

Tgt Ion: 65 Resp: 234337
 Ion Ratio Lower Upper
 65 100
 92 66.0 50.9 76.3
 138 100.2 73.4 110.0





#49

Acenaphthylene

Concen: 45.751 ng

RT: 9.792 min Scan# 1309

Delta R.T. 0.000 min

Lab File: BF140052.D

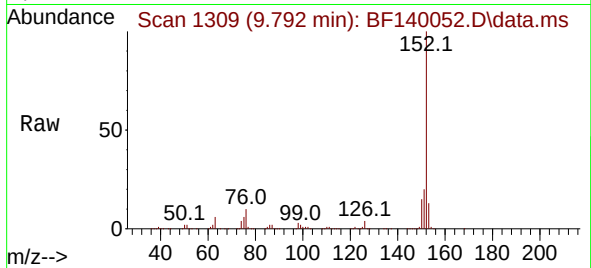
Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164401BS



Tgt Ion:152 Resp: 106266

Ion Ratio Lower Upper

152 100

151 20.2 15.9 23.9

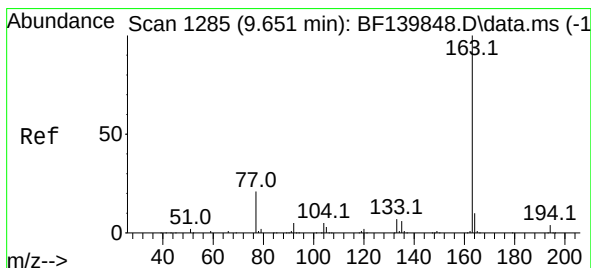
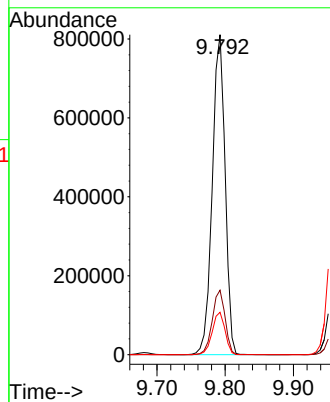
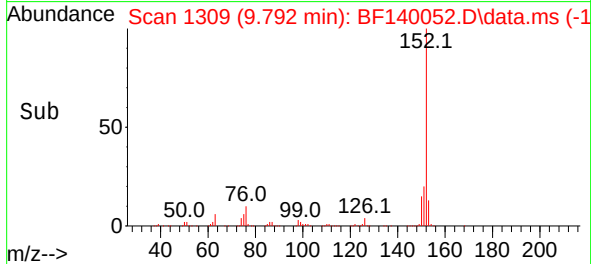
153 13.3 10.7 16.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#50

Dimethylphthalate

Concen: 43.379 ng

RT: 9.651 min Scan# 1285

Delta R.T. 0.000 min

Lab File: BF140052.D

Acq: 26 Oct 2024 11:34

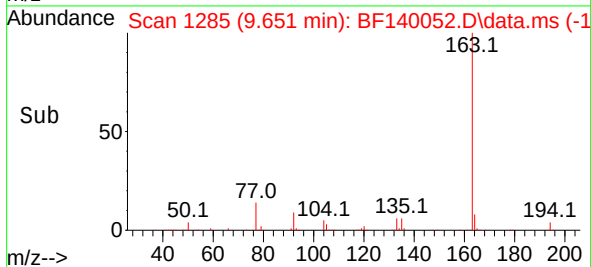
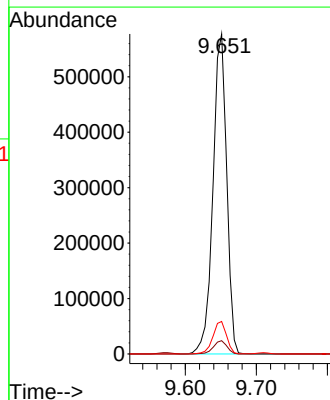
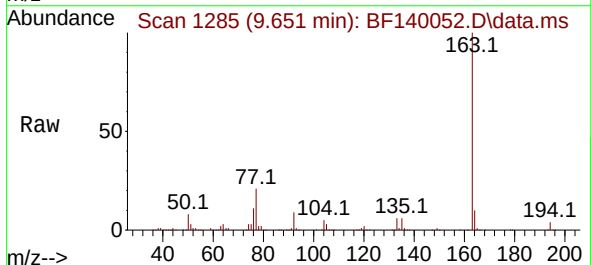
Tgt Ion:163 Resp: 774247

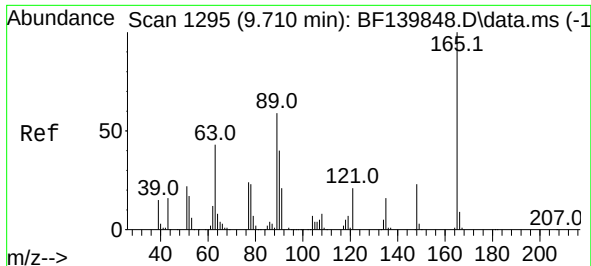
Ion Ratio Lower Upper

163 100

194 4.2 3.4 5.0

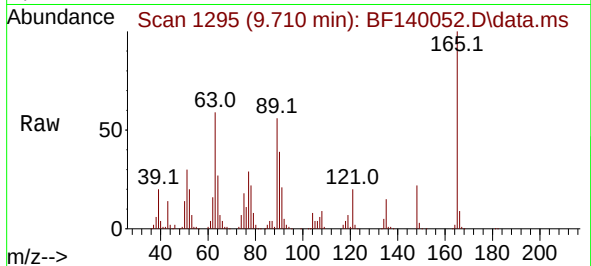
164 10.1 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 45.415 ng
RT: 9.710 min Scan# 1295
Delta R.T. 0.000 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

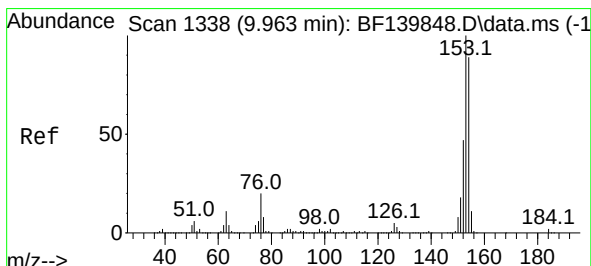
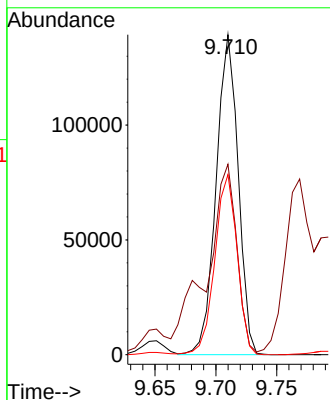
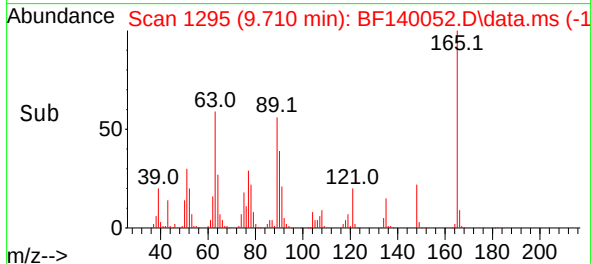
Instrument :
BNA_F
ClientSampleId :
PB164401BS



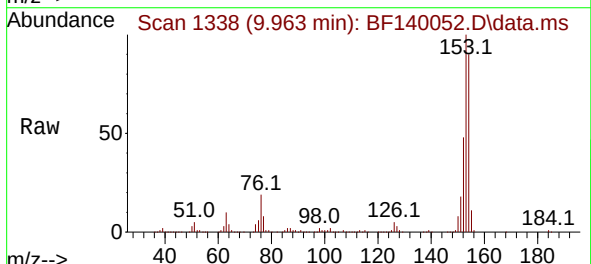
Tgt Ion:165 Resp: 17550
Ion Ratio Lower Upper
165 100
63 59.5 50.6 75.8
89 56.3 47.5 71.3

Manual Integrations
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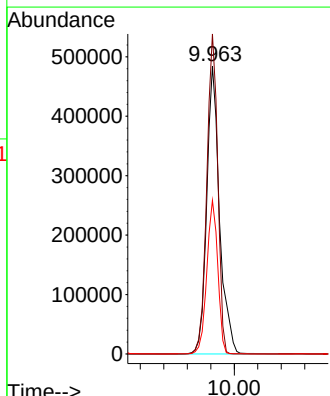
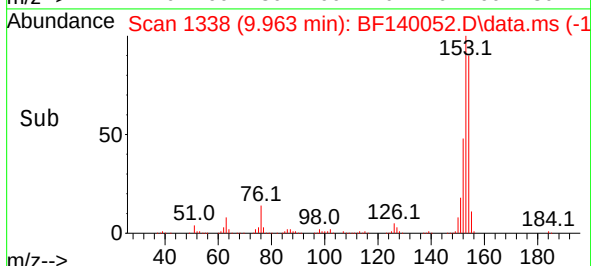
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

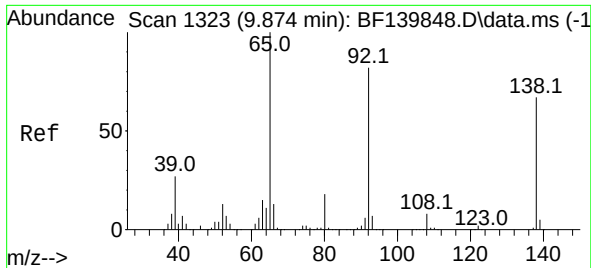


#52
Acenaphthene
Concen: 48.802 ng
RT: 9.963 min Scan# 1338
Delta R.T. 0.000 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34



Tgt Ion:154 Resp: 733262
Ion Ratio Lower Upper
154 100
153 111.3 89.8 134.6
152 53.4 42.4 63.6





#53

3-Nitroaniline

Concen: 29.881 ng

RT: 9.875 min Scan# 1323

Delta R.T. 0.000 min

Lab File: BF140052.D

Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164401BS

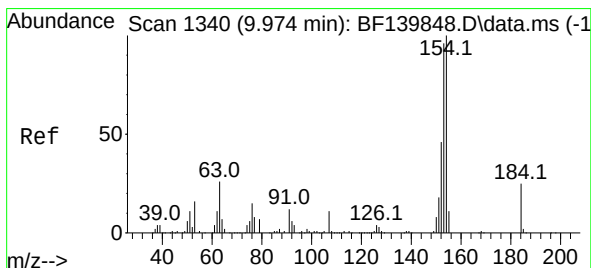
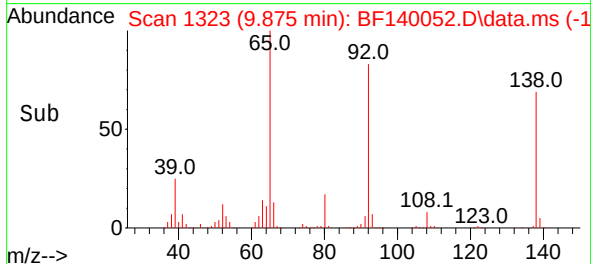
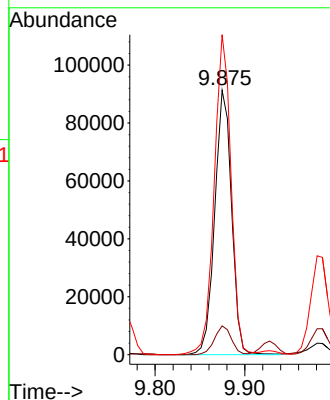
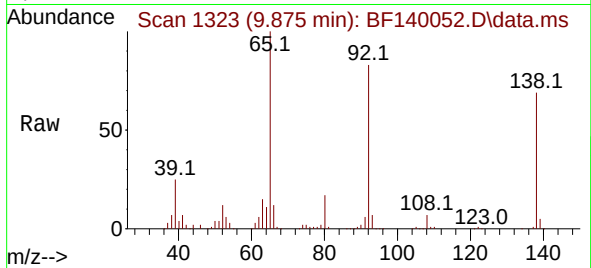
Tgt Ion:138 Resp: 119084
 Ion Ratio Lower Upper
 138 100
 108 10.9 10.2 15.2
 92 121.1 98.3 147.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#54

2,4-Dinitrophenol

Concen: 109.200 ng

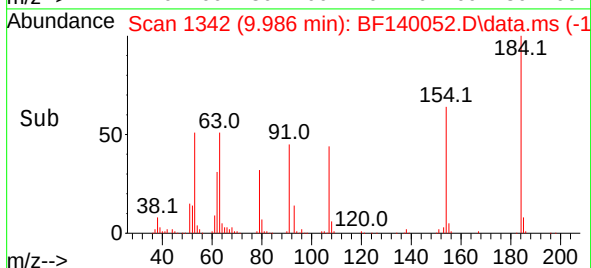
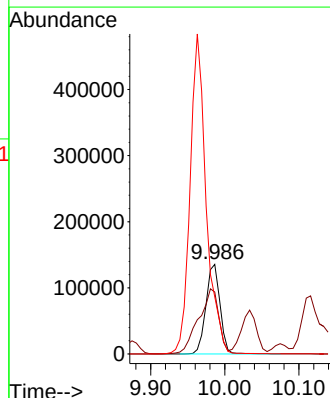
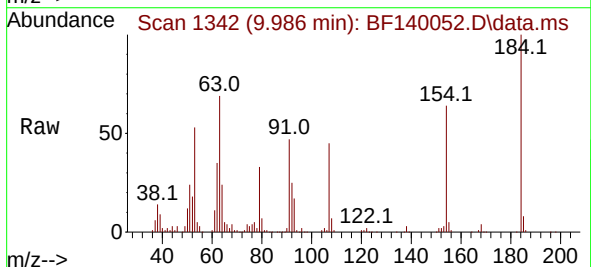
RT: 9.986 min Scan# 1342

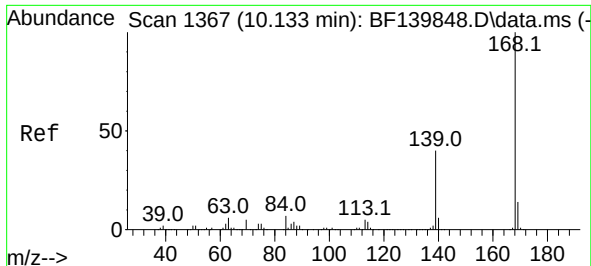
Delta R.T. 0.012 min

Lab File: BF140052.D

Acq: 26 Oct 2024 11:34

Tgt Ion:184 Resp: 179501
 Ion Ratio Lower Upper
 184 100
 63 69.1 84.7 127.1#
 154 63.6 338.2 507.2#





#55

Dibenzenofuran

Concen: 43.183 ng

RT: 10.133 min Scan# 14

Delta R.T. 0.000 min

Lab File: BF140052.D

Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

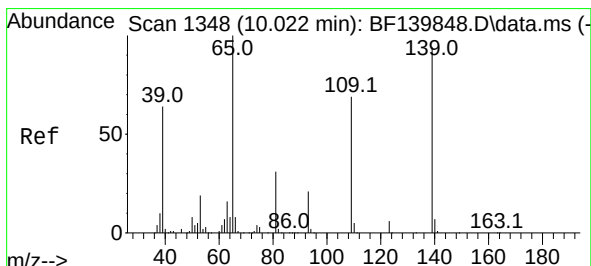
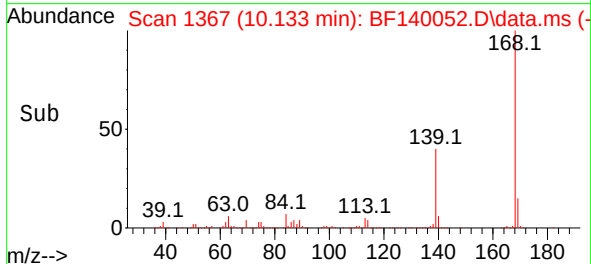
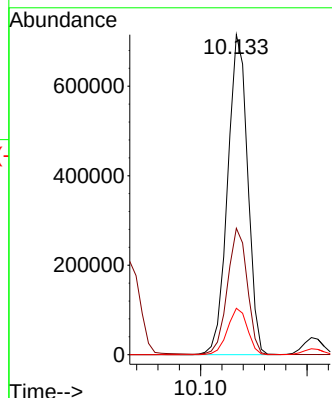
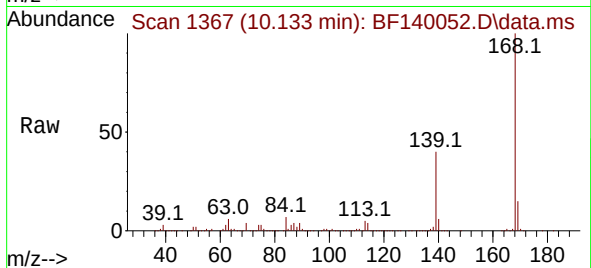
PB164401BS

Tgt Ion:168 Resp: 930933
 Ion Ratio Lower Upper
 168 100
 139 39.5 31.8 47.6
 169 14.5 11.6 17.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024
 Supervised By :mohammad ahmed 10/29/2024



#56

4-Nitrophenol

Concen: 96.911 ng

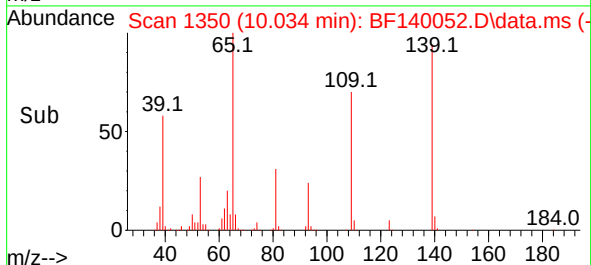
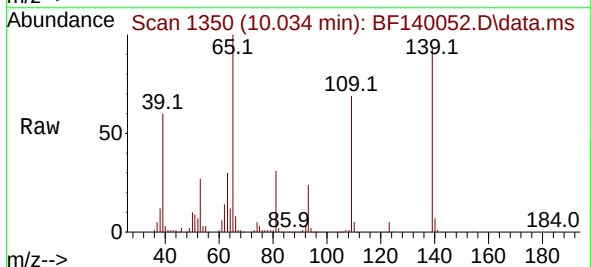
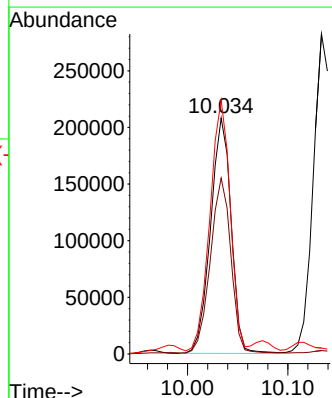
RT: 10.034 min Scan# 1350

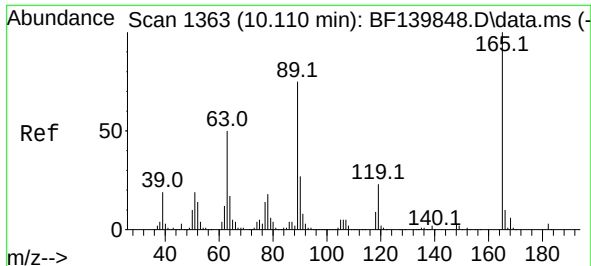
Delta R.T. 0.012 min

Lab File: BF140052.D

Acq: 26 Oct 2024 11:34

Tgt Ion:139 Resp: 297136
 Ion Ratio Lower Upper
 139 100
 109 74.5 53.6 93.6
 65 107.6 87.8 127.8





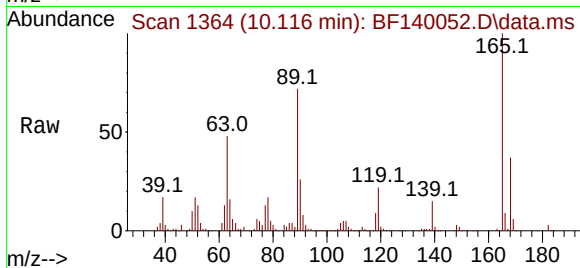
#57
2,4-Dinitrotoluene
Concen: 50.437 ng
RT: 10.116 min Scan# 1405
Delta R.T. 0.006 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164401BS

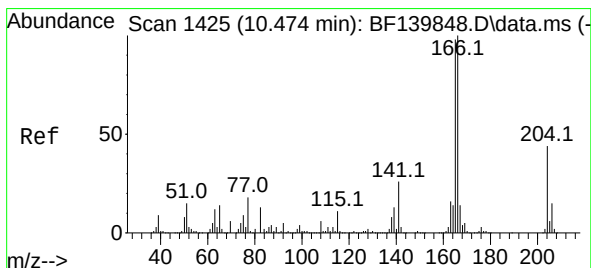
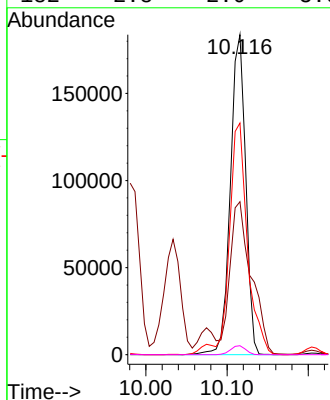
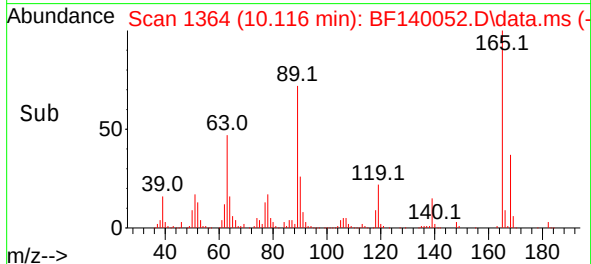


Tgt Ion:165 Resp: 23969
Ion Ratio Lower Upper
165 100
63 47.8 40.1 60.1
89 72.4 60.4 90.6
182 2.8 2.0 3.0

Manual Integrations

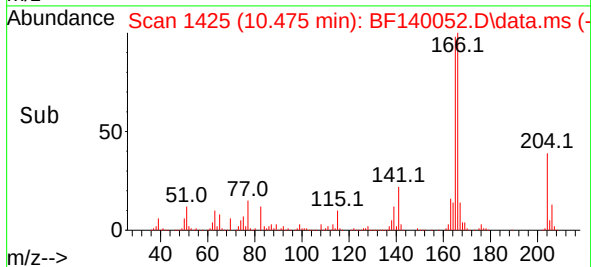
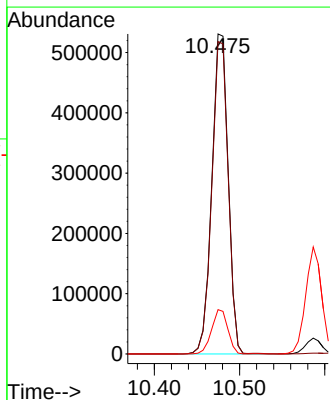
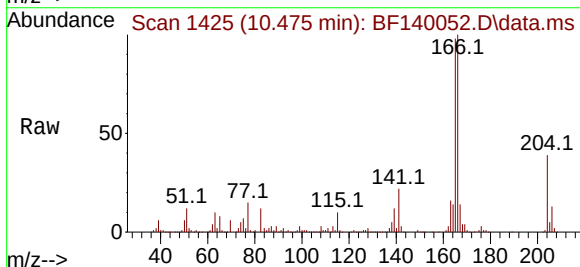
APPROVED

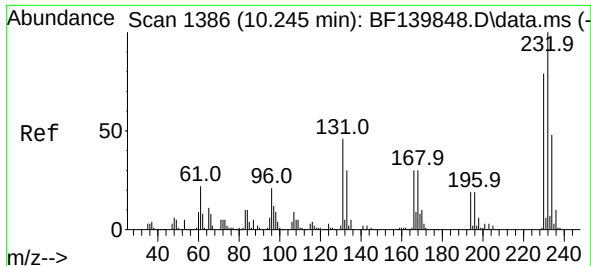
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024



#58
Fluorene
Concen: 43.293 ng
RT: 10.475 min Scan# 1425
Delta R.T. 0.000 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

Tgt Ion:166 Resp: 710862
Ion Ratio Lower Upper
166 100
165 97.6 78.5 117.7
167 13.9 10.9 16.3





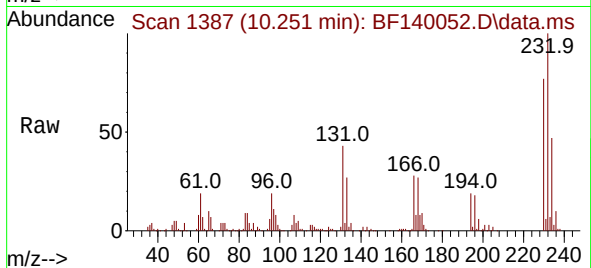
#59
2,3,4,6-Tetrachlorophenol
Concen: 47.393 ng
RT: 10.251 min Scan# 1387
Delta R.T. 0.006 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164401BS



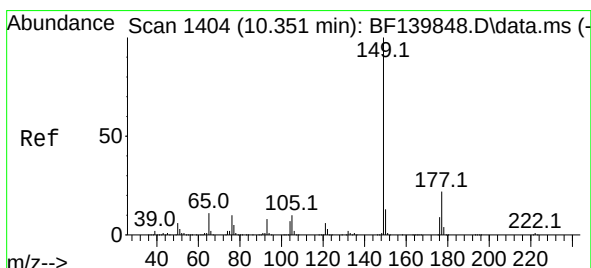
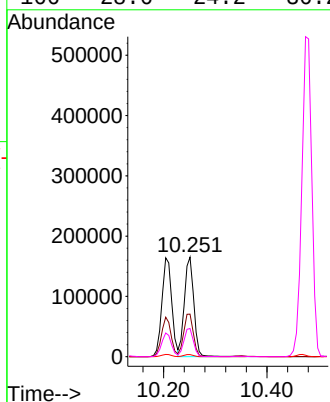
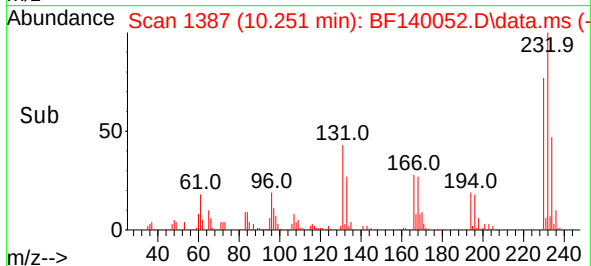
Tgt Ion:232 Resp: 209794
Ion Ratio Lower Upper
232 100
131 43.8 37.0 55.6
130 2.1 1.9 2.9
166 28.6 24.2 36.2

Manual Integrations

APPROVED

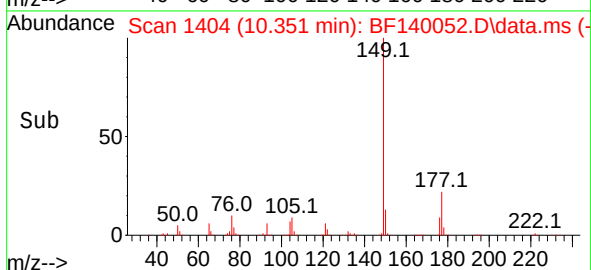
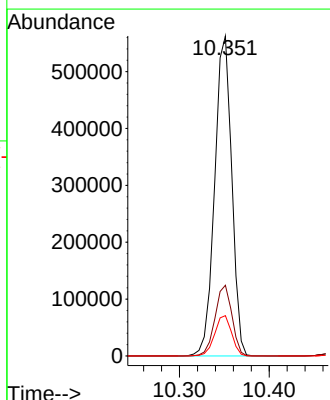
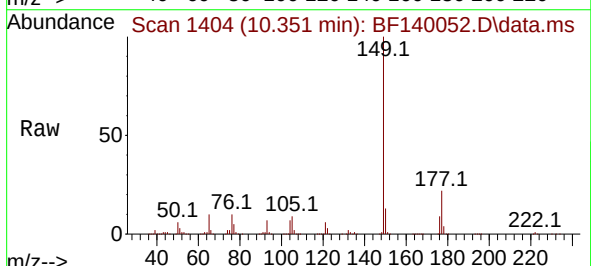
Reviewed By :Yogesh Patel 10/29/2024

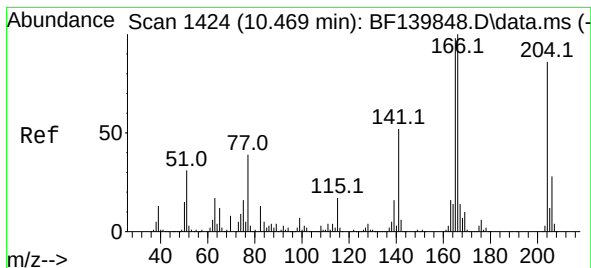
Supervised By :mohammad ahmed 10/29/2024



#60
Diethylphthalate
Concen: 42.392 ng
RT: 10.351 min Scan# 1404
Delta R.T. 0.000 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

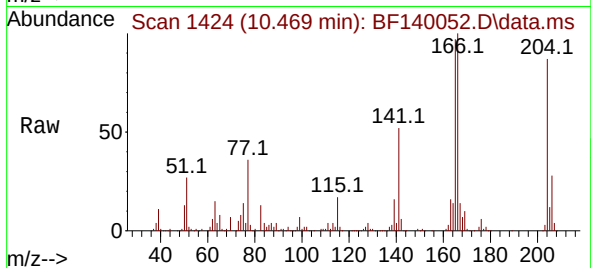
Tgt Ion:149 Resp: 742904
Ion Ratio Lower Upper
149 100
177 22.1 17.9 26.9
150 12.6 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 42.763 ng
RT: 10.469 min Scan# 1424
Delta R.T. 0.000 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

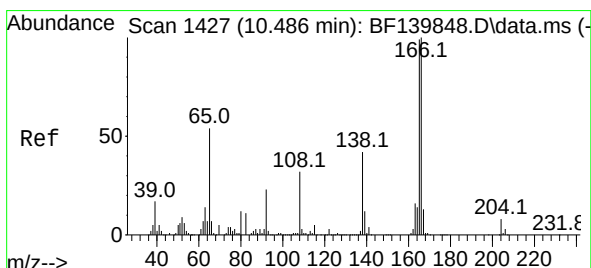
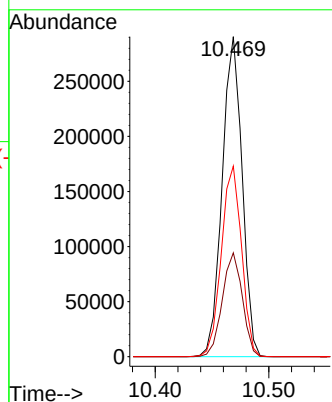
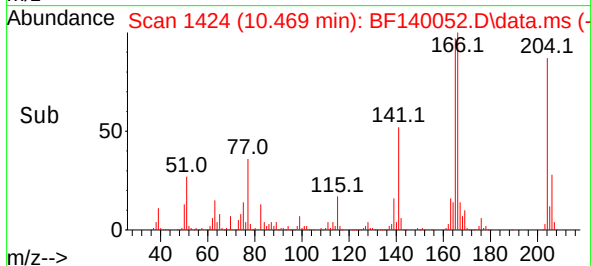
Instrument :
BNA_F
ClientSampleId :
PB164401BS



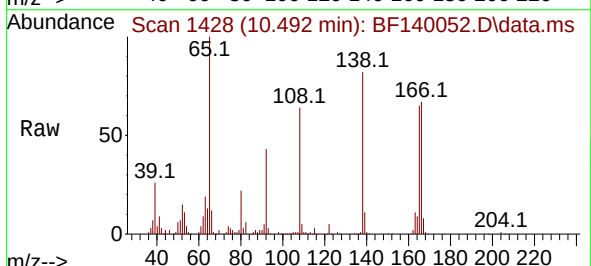
Tgt Ion:204 Resp: 354589
Ion Ratio Lower Upper
204 100
206 32.5 26.3 39.5
141 59.5 48.6 73.0

Manual Integrations
APPROVED

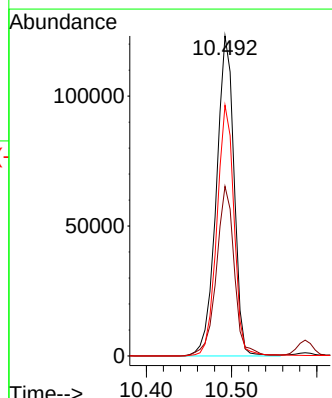
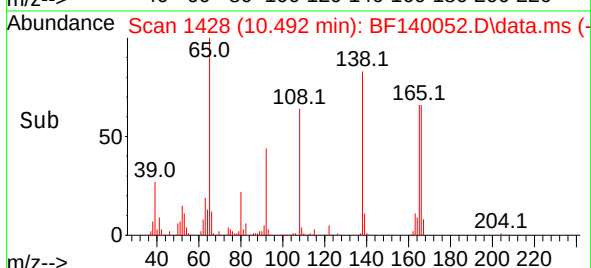
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

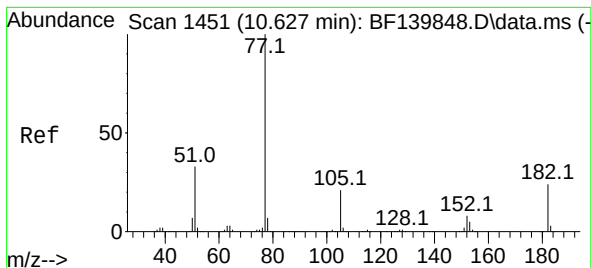


#62
4-Nitroaniline
Concen: 47.364 ng
RT: 10.492 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34



Tgt Ion:138 Resp: 178276
Ion Ratio Lower Upper
138 100
92 53.0 35.7 75.7
108 78.3 57.5 97.5





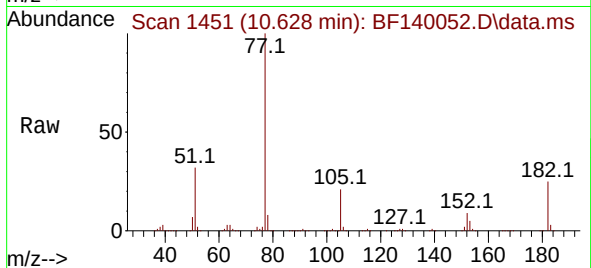
#63
Azobenzene
Concen: 41.466 ng
RT: 10.628 min Scan# 1451
Delta R.T. 0.000 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164401BS

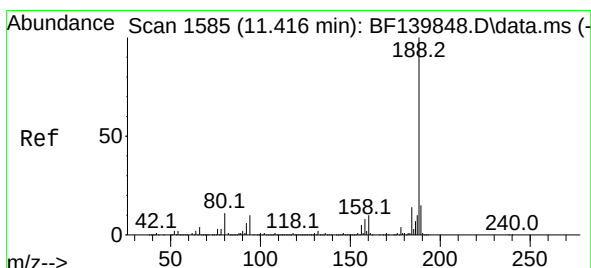
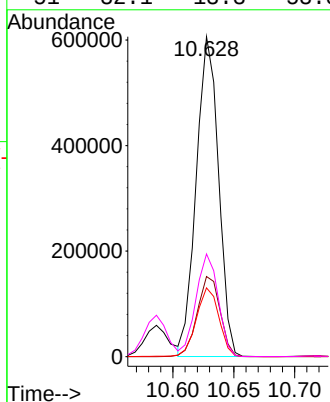
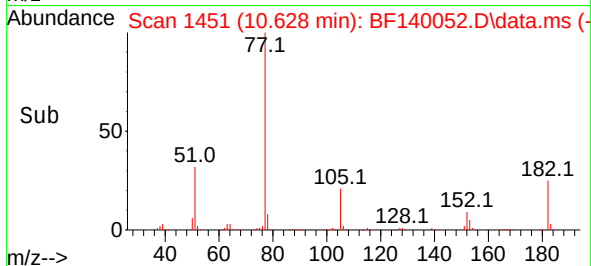


Tgt Ion: 77 Resp: 770383
Ion Ratio Lower Upper
77 100
182 25.1 3.3 43.3
105 21.5 1.2 41.2
51 32.1 13.3 53.3

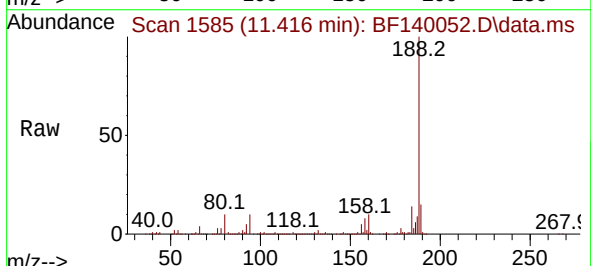
Manual Integrations

APPROVED

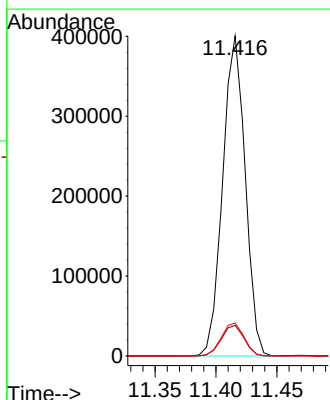
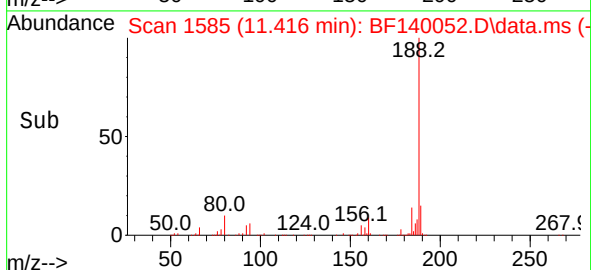
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

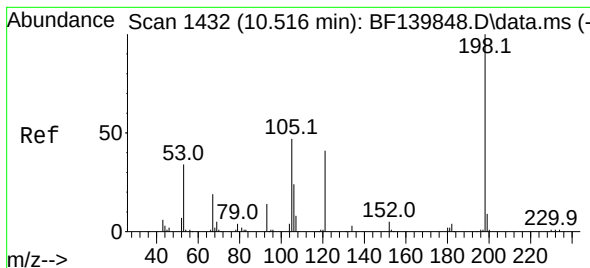


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1585
Delta R.T. 0.000 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34



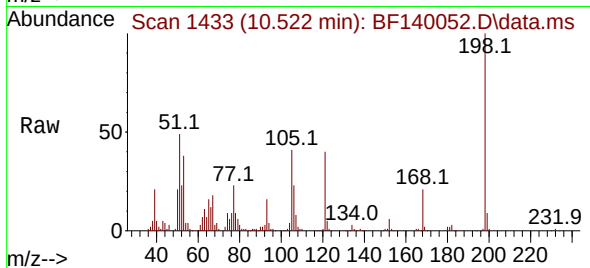
Tgt Ion:188 Resp: 514956
Ion Ratio Lower Upper
188 100
94 9.6 7.9 11.9
80 10.3 9.0 13.4





#65
4,6-Dinitro-2-methylphenol
Concen: 60.996 ng
RT: 10.522 min Scan# 1433
Delta R.T. 0.006 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

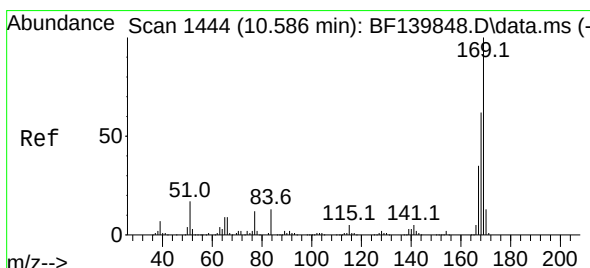
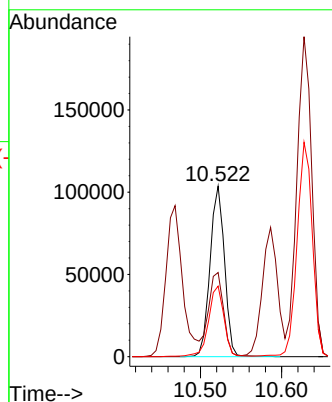
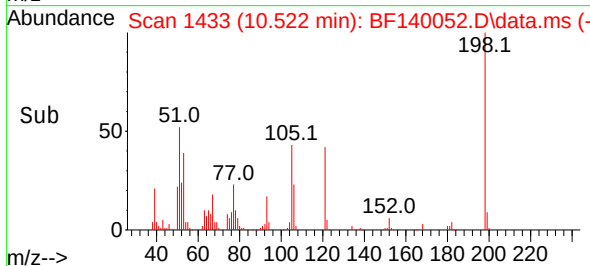
Instrument :
BNA_F
ClientSampleId :
PB164401BS



Tgt Ion:198 Resp: 12812
Ion Ratio Lower Upper
198 100
51 49.4 38.2 78.2
105 41.4 27.9 67.9

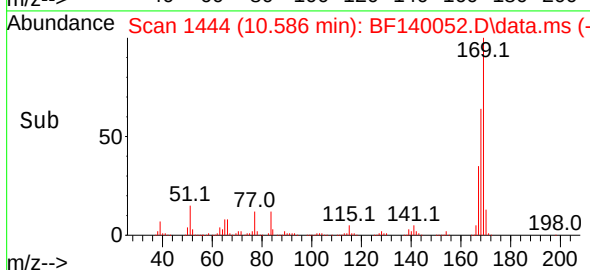
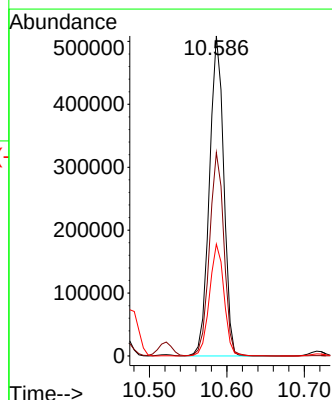
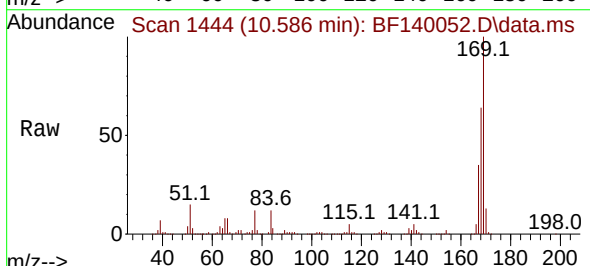
Manual Integrations
APPROVED

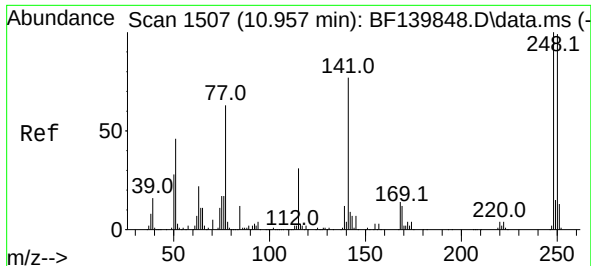
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024



#66
n-Nitrosodiphenylamine
Concen: 42.342 ng
RT: 10.586 min Scan# 1444
Delta R.T. 0.000 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

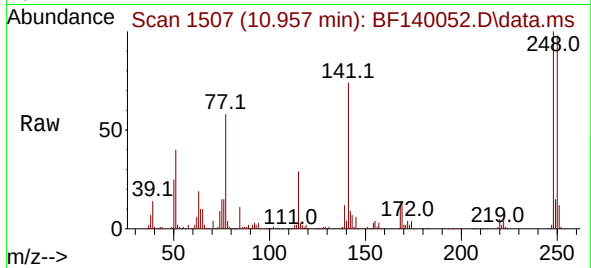
Tgt Ion:169 Resp: 652591
Ion Ratio Lower Upper
169 100
168 63.6 49.8 74.6
167 34.9 28.0 42.0





#67
4-Bromophenyl-phenylether
Concen: 42.848 ng
RT: 10.957 min Scan# 1507
Delta R.T. 0.000 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

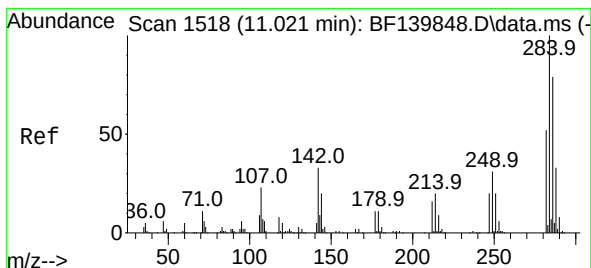
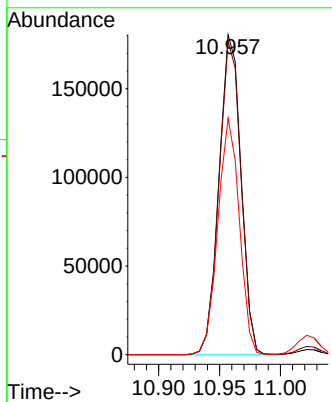
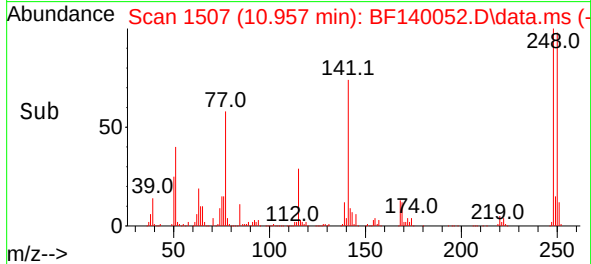
Instrument :
BNA_F
ClientSampleId :
PB164401BS



Tgt Ion:248 Resp: 22730
Ion Ratio Lower Upper
248 100
250 98.0 79.0 118.6
141 73.9 61.7 92.5

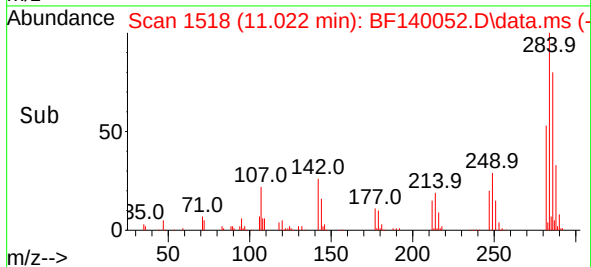
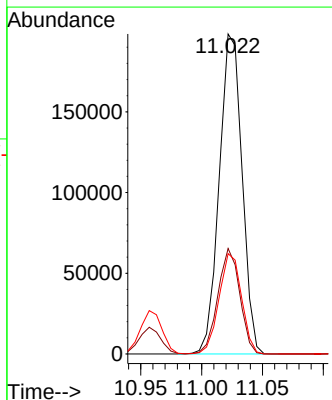
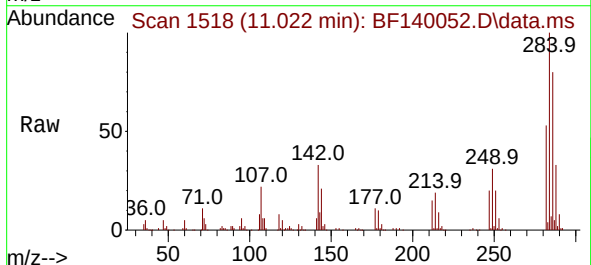
Manual Integrations
APPROVED

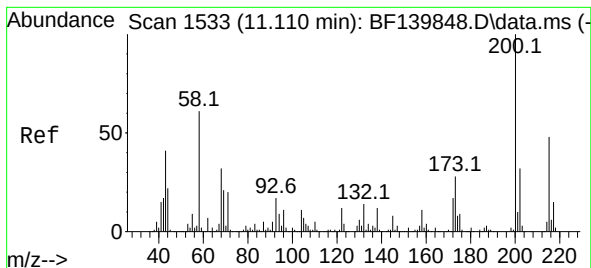
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024



#68
Hexachlorobenzene
Concen: 43.305 ng
RT: 11.022 min Scan# 1518
Delta R.T. 0.000 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

Tgt Ion:284 Resp: 258374
Ion Ratio Lower Upper
284 100
142 33.0 26.9 40.3
249 31.4 25.3 37.9





#69

Atrazine

Concen: 51.244 ng

RT: 11.110 min Scan# 1533

Delta R.T. 0.000 min

Lab File: BF140052.D

Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164401BS

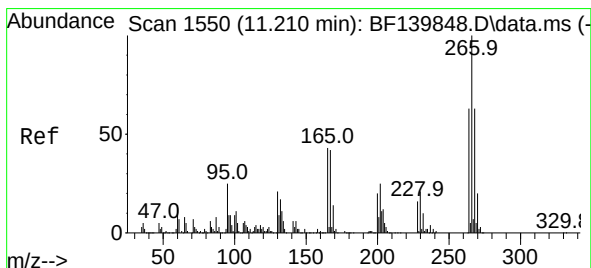
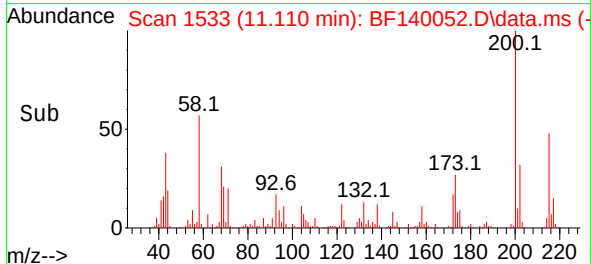
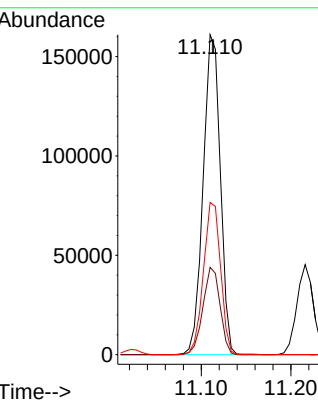
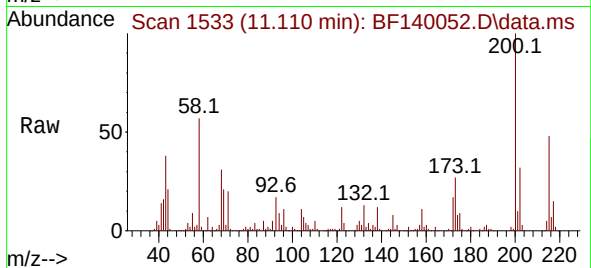
Tgt Ion:200 Resp: 213940
Ion Ratio Lower Upper
200 100
173 27.3 7.7 47.7
215 47.6 27.7 67.7

Manual Integrations

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Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#70

Pentachlorophenol

Concen: 87.799 ng

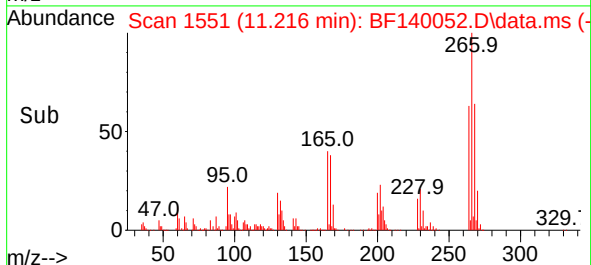
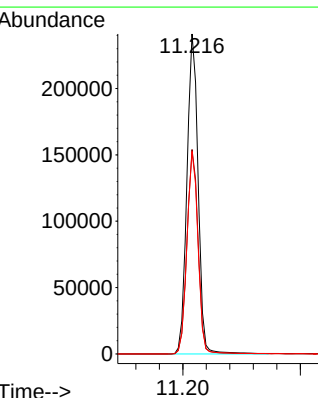
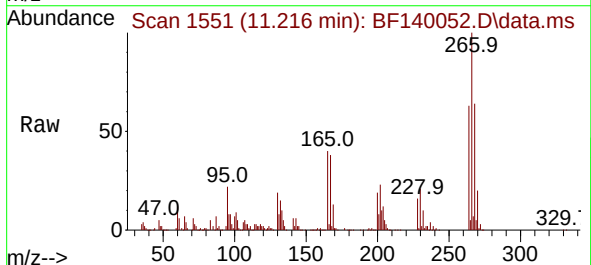
RT: 11.216 min Scan# 1551

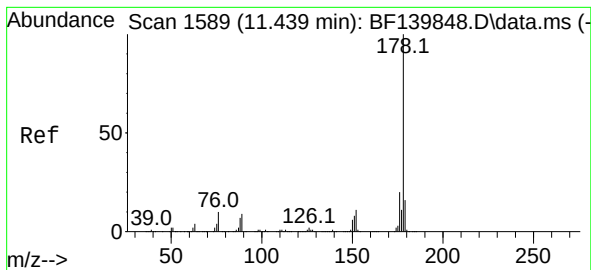
Delta R.T. 0.006 min

Lab File: BF140052.D

Acq: 26 Oct 2024 11:34

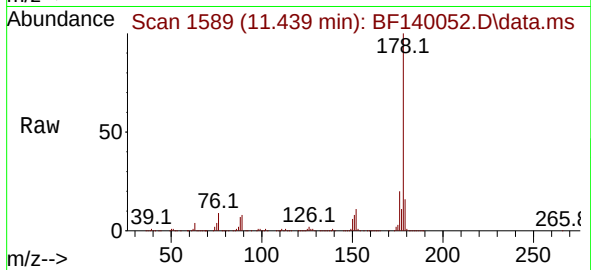
Tgt Ion:266 Resp: 317923
Ion Ratio Lower Upper
266 100
268 63.9 50.4 75.6
264 63.3 50.6 75.8





#71
Phenanthrene
Concen: 44.363 ng
RT: 11.439 min Scan# 1589
Delta R.T. 0.000 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

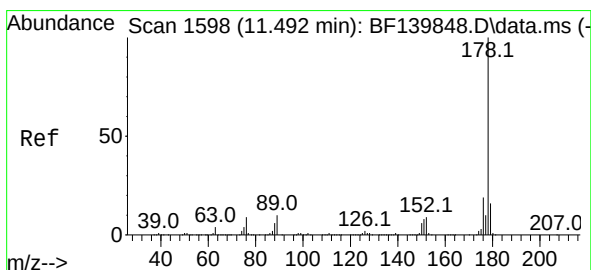
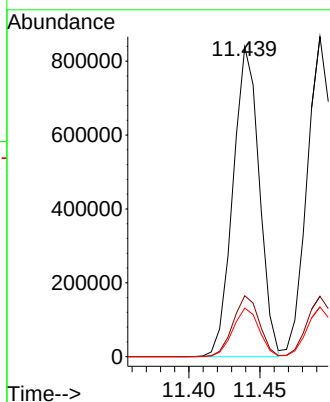
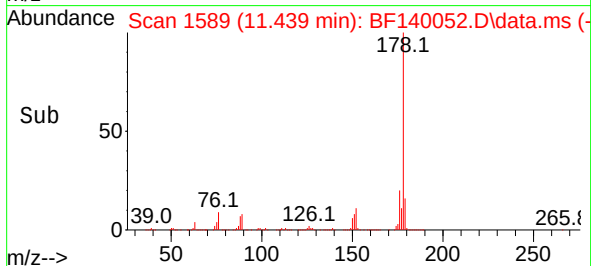
Instrument :
BNA_F
ClientSampleId :
PB164401BS



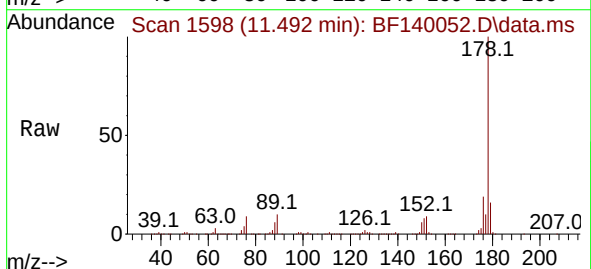
Tgt Ion:178 Resp: 1079100
Ion Ratio Lower Upper
178 100
176 19.7 15.8 23.6
179 15.7 12.6 18.8

Manual Integrations
APPROVED

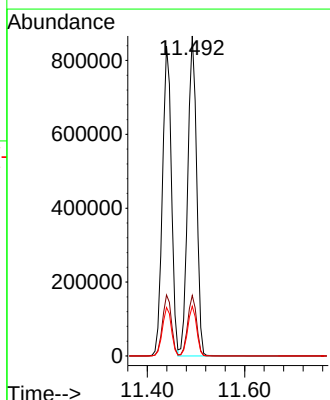
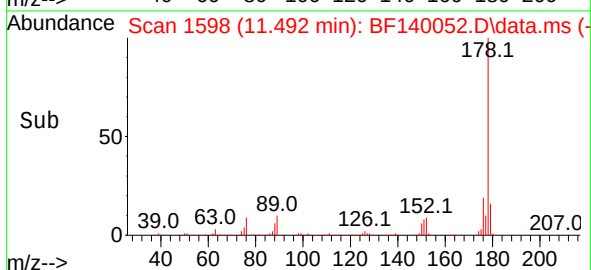
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

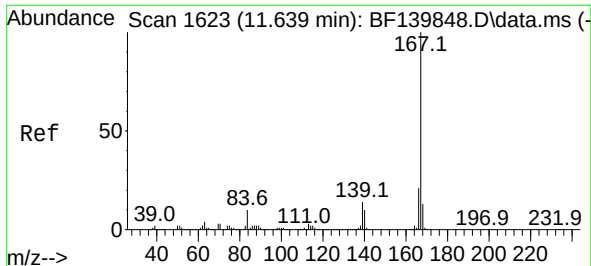


#72
Anthracene
Concen: 46.061 ng
RT: 11.492 min Scan# 1598
Delta R.T. 0.000 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34



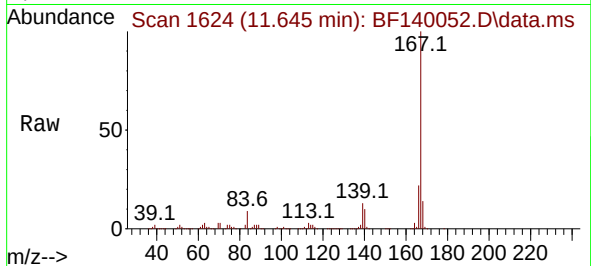
Tgt Ion:178 Resp: 1093172
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.5 12.4 18.6





#73
 Carbazole
 Concen: 43.616 ng
 RT: 11.645 min Scan# 1623
 Delta R.T. 0.006 min
 Lab File: BF140052.D
 Acq: 26 Oct 2024 11:34

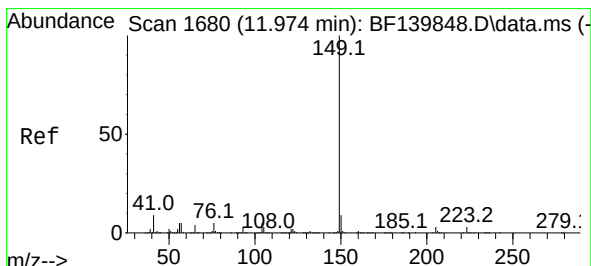
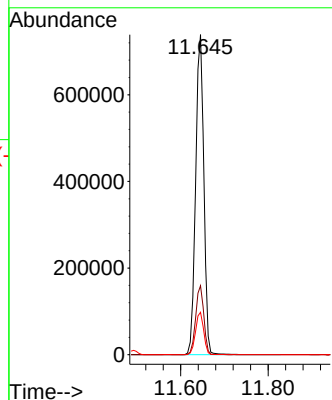
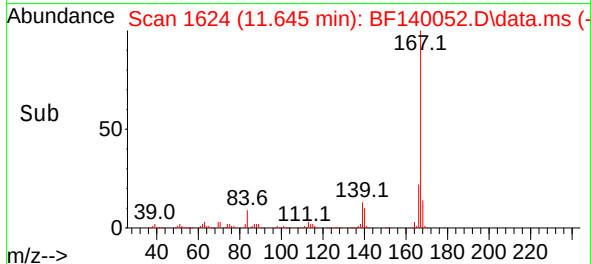
Instrument :
 BNA_F
 ClientSampleId :
 PB164401BS



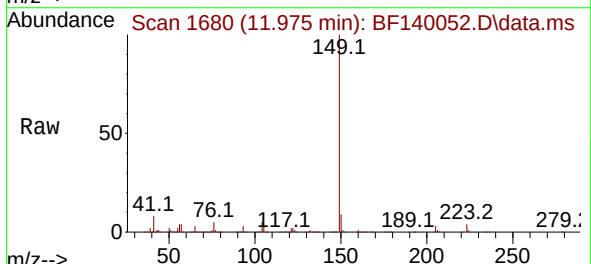
Tgt Ion:167 Resp: 962700
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.0 25.6
 139 13.2 10.8 16.2

Manual Integrations
 APPROVED

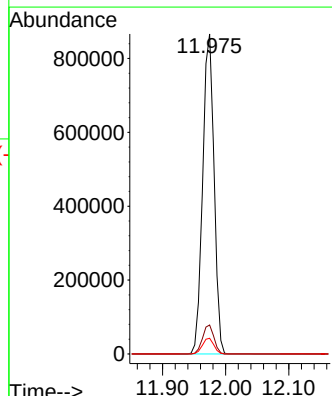
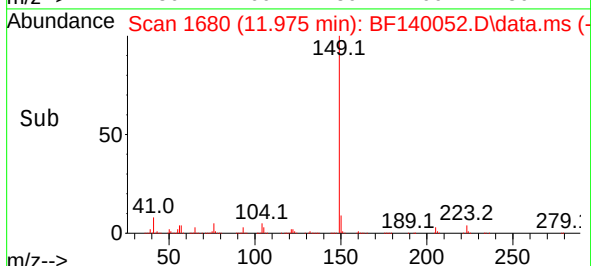
Reviewed By :Yogesh Patel 10/29/2024
 Supervised By :mohammad ahmed 10/29/2024

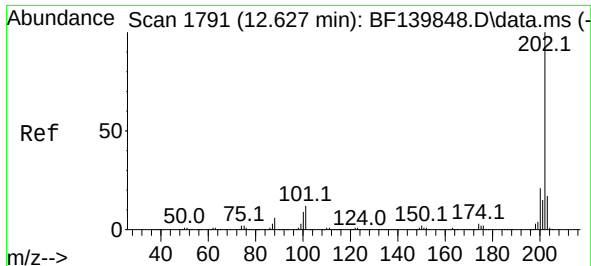


#74
 Di-n-butylphthalate
 Concen: 42.635 ng
 RT: 11.975 min Scan# 1680
 Delta R.T. 0.000 min
 Lab File: BF140052.D
 Acq: 26 Oct 2024 11:34



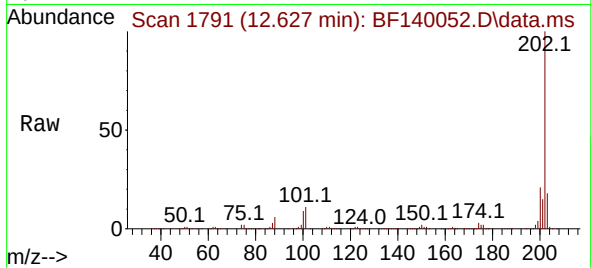
Tgt Ion:149 Resp: 1087234
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.5 11.3
 104 4.9 4.1 6.1





#75
Fluoranthene
Concen: 45.059 ng
RT: 12.627 min Scan# 1791
Delta R.T. 0.000 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

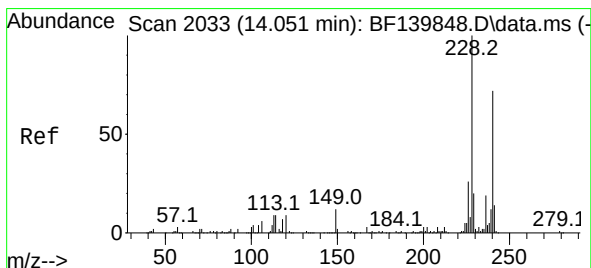
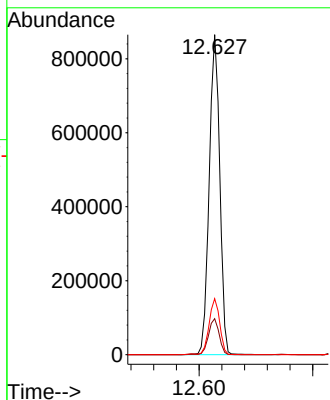
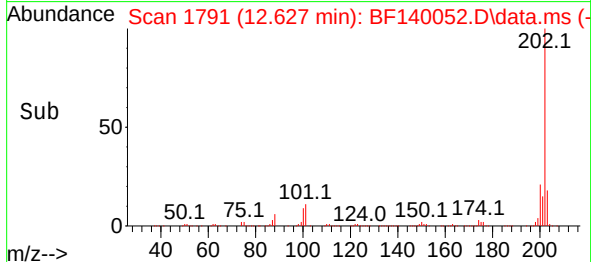
Instrument :
BNA_F
ClientSampleId :
PB164401BS



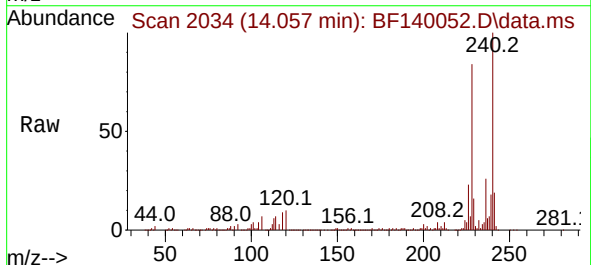
Tgt Ion:202 Resp: 1108012
Ion Ratio Lower Upper
202 100
101 11.2 0.0 31.9
203 17.5 0.0 37.5

Manual Integrations
APPROVED

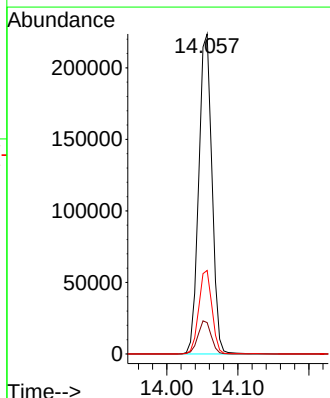
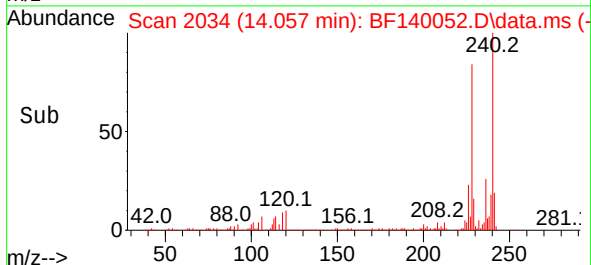
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024

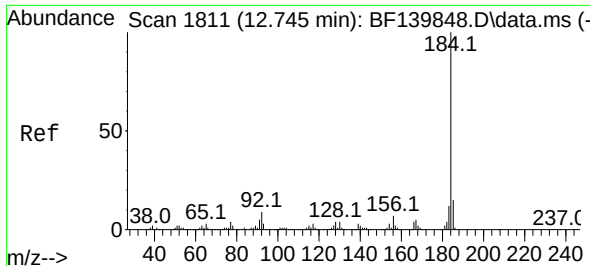


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2034
Delta R.T. 0.006 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34



Tgt Ion:240 Resp: 290190
Ion Ratio Lower Upper
240 100
120 9.8 9.4 14.2
236 26.1 20.9 31.3





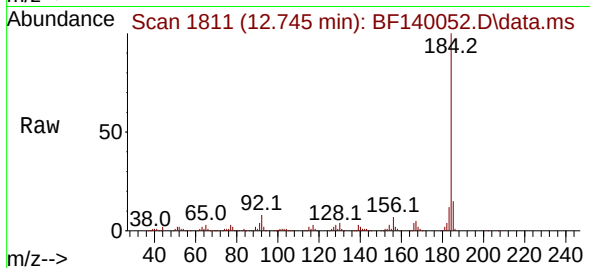
#77
Benzidine
Concen: 48.912 ng
RT: 12.745 min Scan# 1811
Delta R.T. 0.000 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164401BS

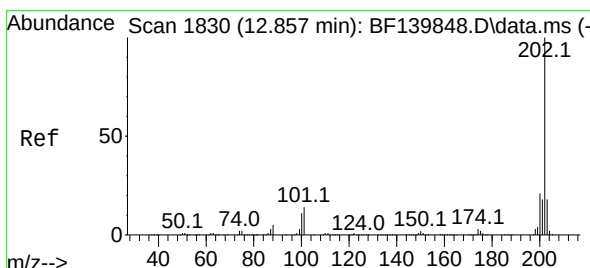
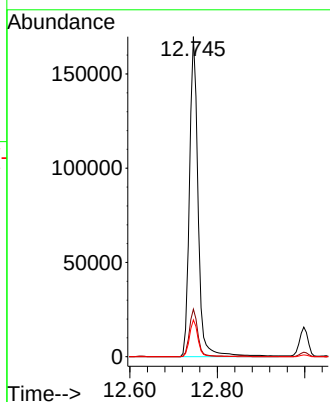
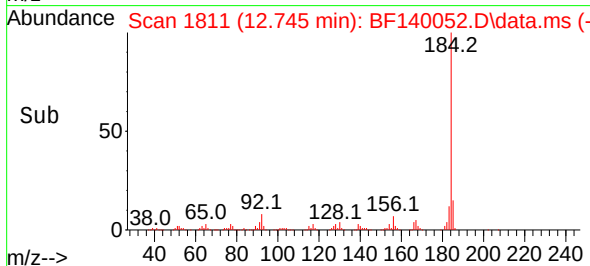


Tgt Ion:184 Resp: 23339
Ion Ratio Lower Upper
184 100
185 14.8 12.0 18.0
183 11.5 9.4 14.2

Manual Integrations

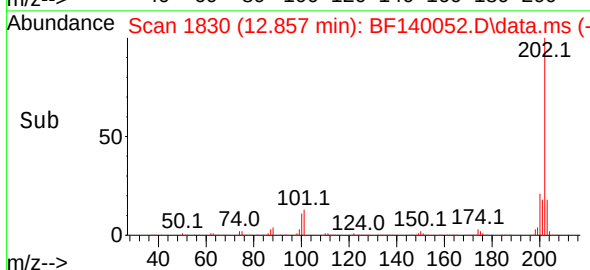
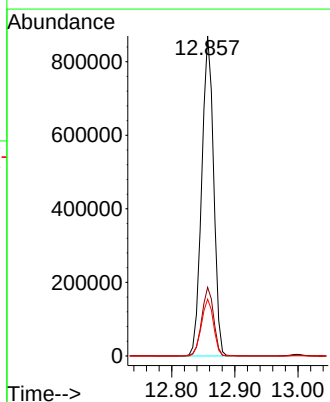
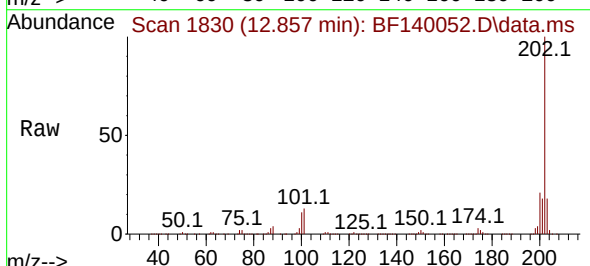
APPROVED

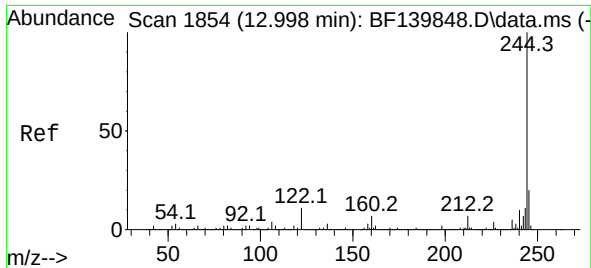
Reviewed By :Yogesh Patel 10/29/2024
Supervised By :mohammad ahmed 10/29/2024



#78
Pyrene
Concen: 44.878 ng
RT: 12.857 min Scan# 1830
Delta R.T. 0.000 min
Lab File: BF140052.D
Acq: 26 Oct 2024 11:34

Tgt Ion:202 Resp: 1139954
Ion Ratio Lower Upper
202 100
200 21.5 17.2 25.8
203 17.8 14.2 21.4





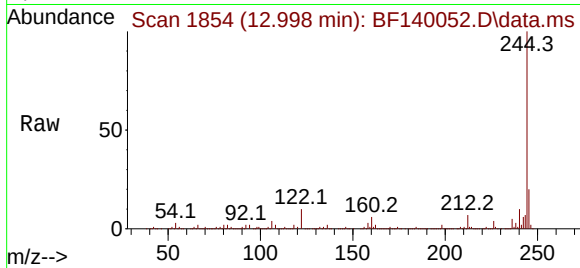
#79
 Terphenyl-d14
 Concen: 87.871 ng
 RT: 12.998 min Scan# 1854
 Delta R.T. 0.000 min
 Lab File: BF140052.D
 Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164401BS



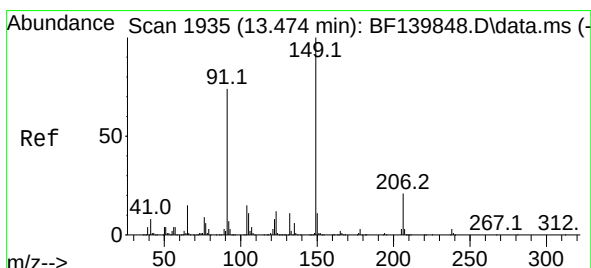
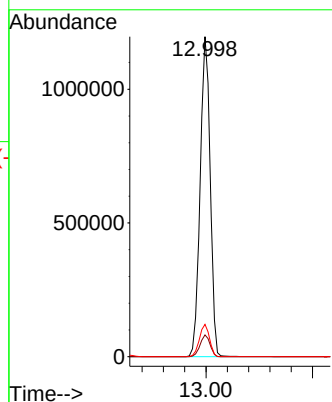
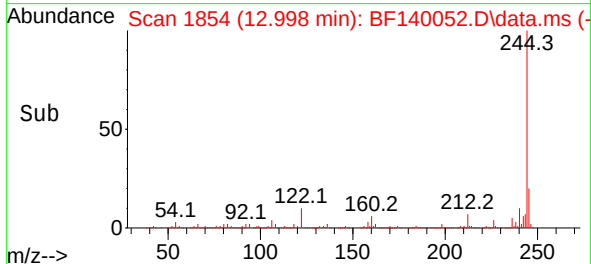
Tgt Ion:244 Resp: 1564872
 Ion Ratio Lower Upper
 244 100
 212 6.8 5.7 8.5
 122 10.1 8.6 13.0

Manual Integrations

APPROVED

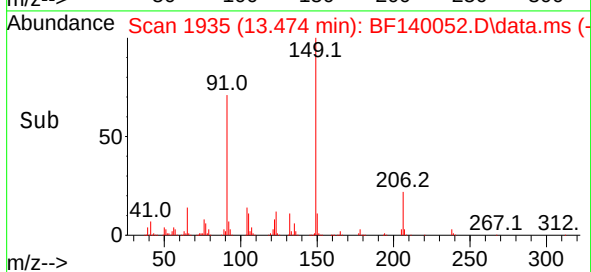
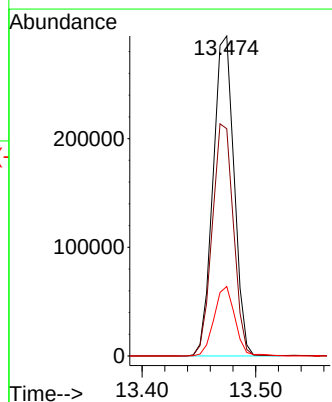
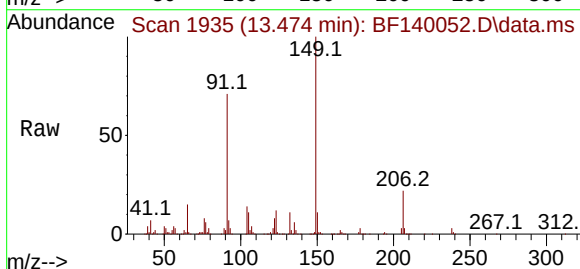
Reviewed By :Yogesh Patel 10/29/2024

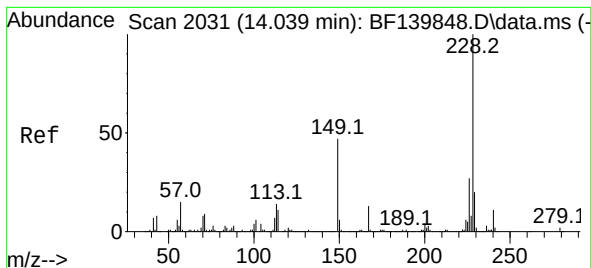
Supervised By :mohammad ahmed 10/29/2024



#80
 Butylbenzylphthalate
 Concen: 49.883 ng
 RT: 13.474 min Scan# 1935
 Delta R.T. 0.000 min
 Lab File: BF140052.D
 Acq: 26 Oct 2024 11:34

Tgt Ion:149 Resp: 379877
 Ion Ratio Lower Upper
 149 100
 91 71.0 59.4 89.2
 206 21.7 16.4 24.6





#81

Benzo(a)anthracene

Concen: 45.972 ng

RT: 14.045 min Scan# 2031

Delta R.T. 0.006 min

Lab File: BF140052.D

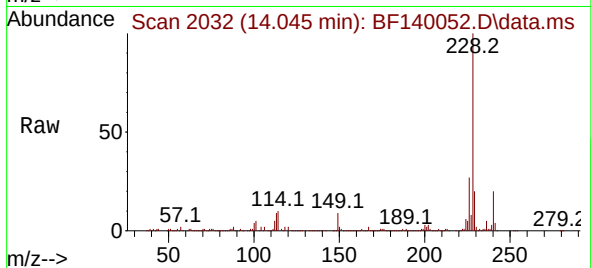
Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164401BS



Tgt Ion:228 Resp: 868429

Ion Ratio Lower Upper

228 100

226 27.0 21.6 32.4

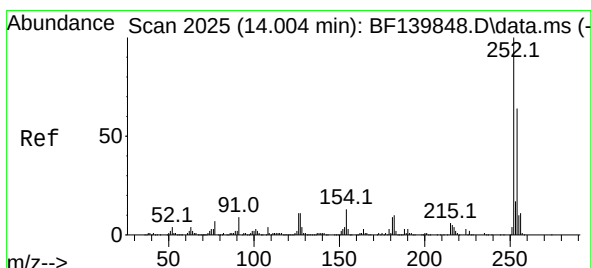
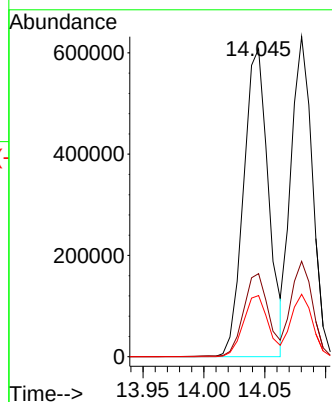
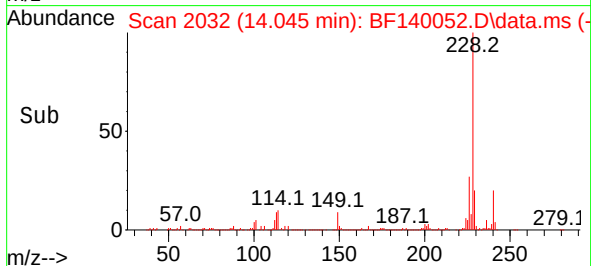
229 19.8 16.1 24.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#82

3,3'-Dichlorobenzidine

Concen: 30.393 ng

RT: 14.004 min Scan# 2025

Delta R.T. 0.000 min

Lab File: BF140052.D

Acq: 26 Oct 2024 11:34

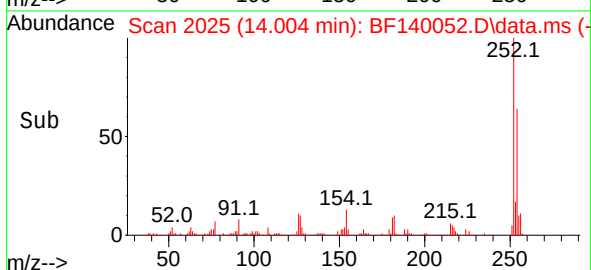
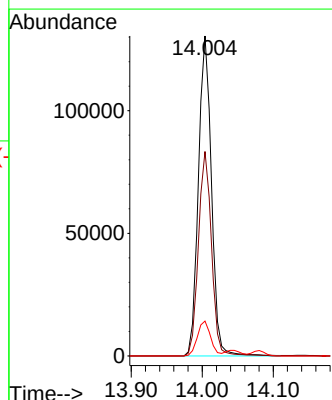
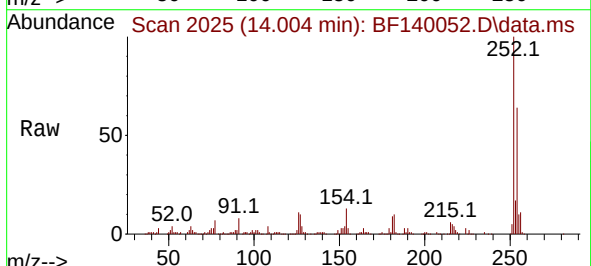
Tgt Ion:252 Resp: 167400

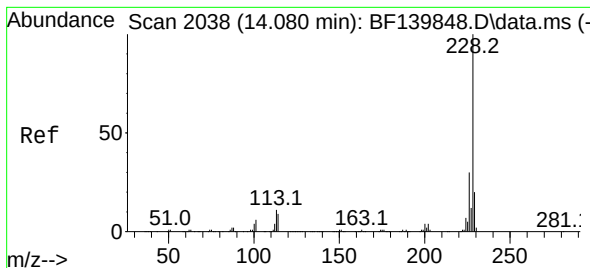
Ion Ratio Lower Upper

252 100

254 63.9 50.8 76.2

126 10.9 8.9 13.3





#83

Chrysene

Concen: 44.828 ng

RT: 14.080 min Scan# 2038

Delta R.T. 0.000 min

Lab File: BF140052.D

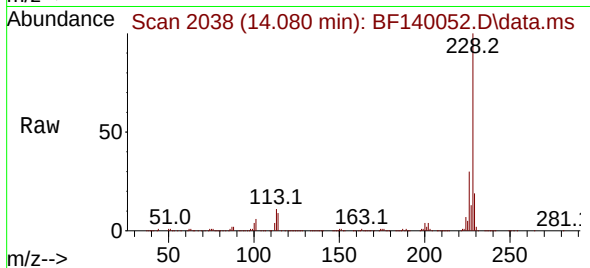
Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164401BS



Tgt Ion:228 Resp: 776429

Ion Ratio Lower Upper

228 100

226 29.8 24.1 36.1

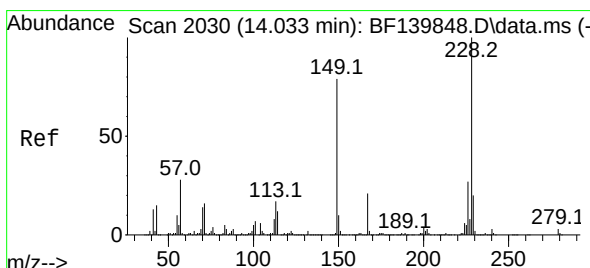
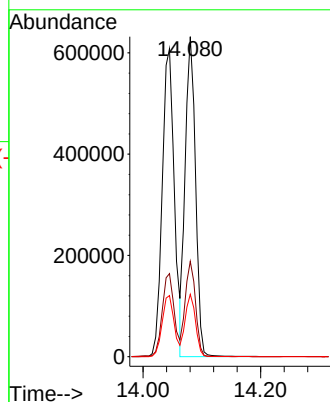
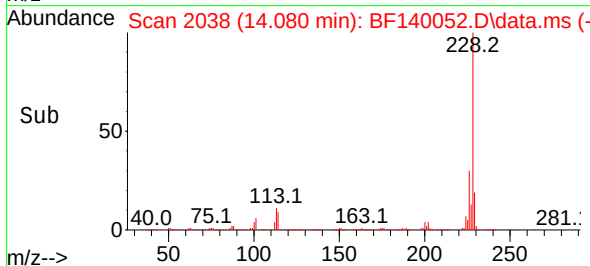
229 19.5 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.087 ng

RT: 14.027 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF140052.D

Acq: 26 Oct 2024 11:34

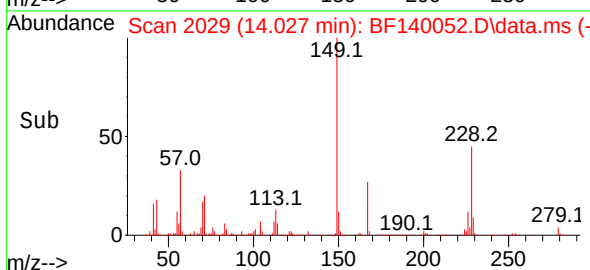
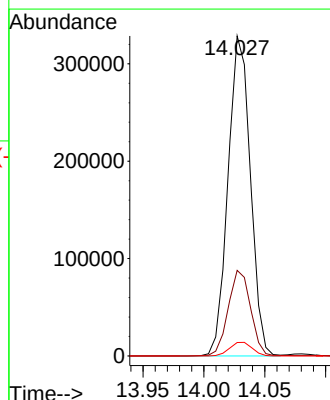
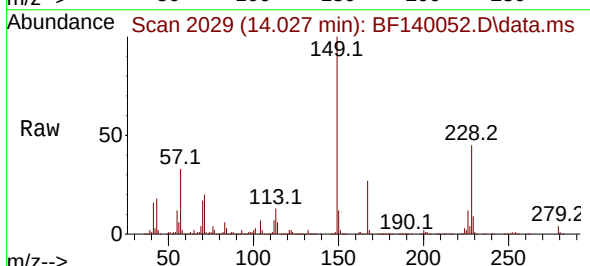
Tgt Ion:149 Resp: 419403

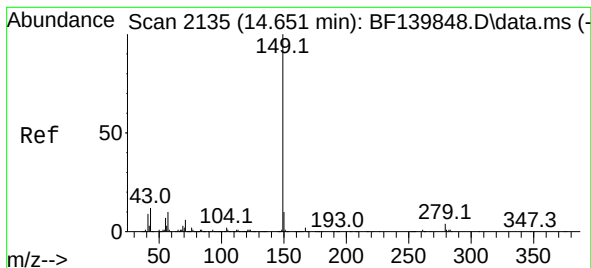
Ion Ratio Lower Upper

149 100

167 26.7 21.4 32.0

279 4.2 3.0 4.4





#85

Di-n-octyl phthalate

Concen: 39.162 ng

RT: 14.645 min Scan# 2135

Delta R.T. -0.006 min

Lab File: BF140052.D

Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164401BS

Tgt Ion:149 Resp: 608593

Ion Ratio Lower Upper

149 100

167 1.6 1.2 1.8

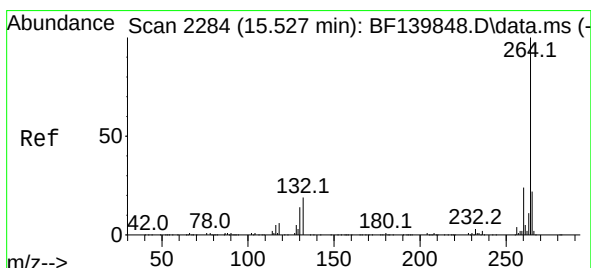
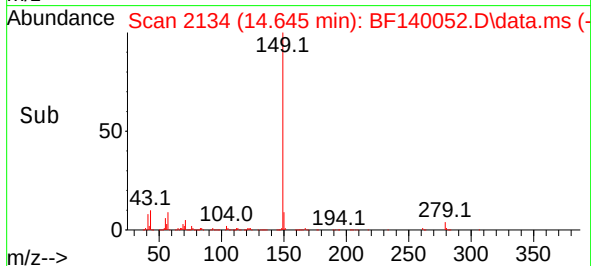
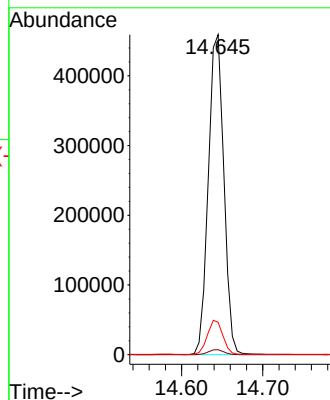
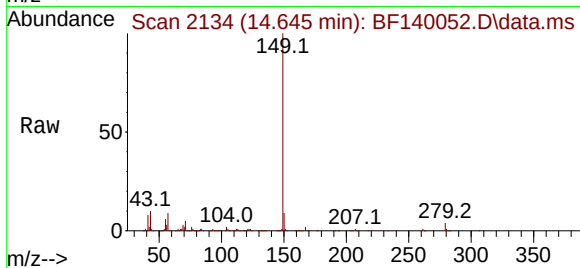
43 10.7 9.8 14.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.527 min Scan# 2284

Delta R.T. 0.000 min

Lab File: BF140052.D

Acq: 26 Oct 2024 11:34

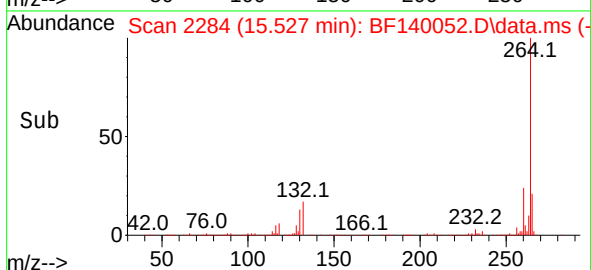
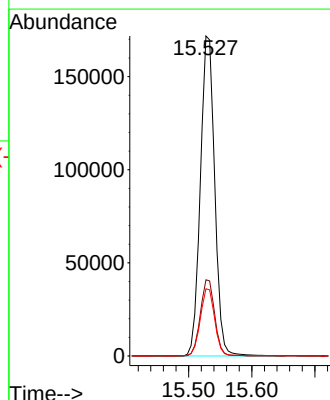
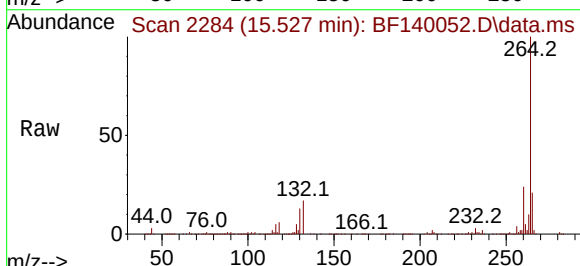
Tgt Ion:264 Resp: 270508

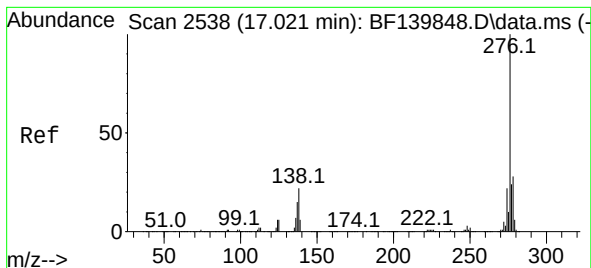
Ion Ratio Lower Upper

264 100

260 23.8 19.4 29.2

265 21.0 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 46.194 ng

RT: 17.033 min Scan# 2540

Delta R.T. 0.012 min

Lab File: BF140052.D

Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164401BS

Tgt Ion:276 Resp: 803890

Ion Ratio Lower Upper

276 100

138 22.9 20.4 30.6

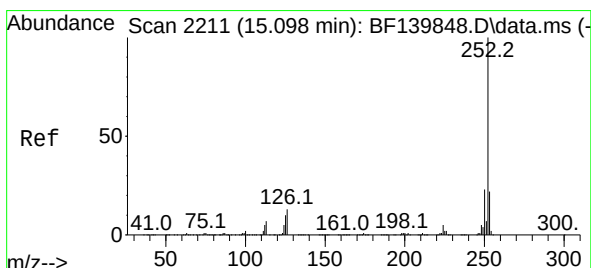
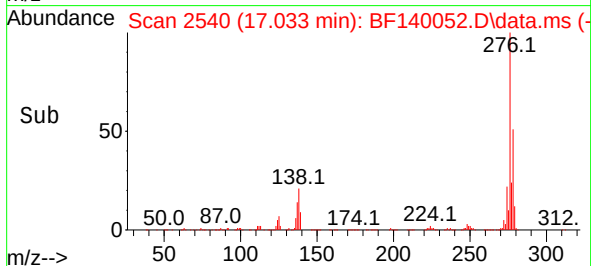
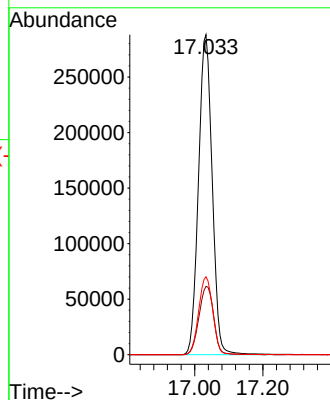
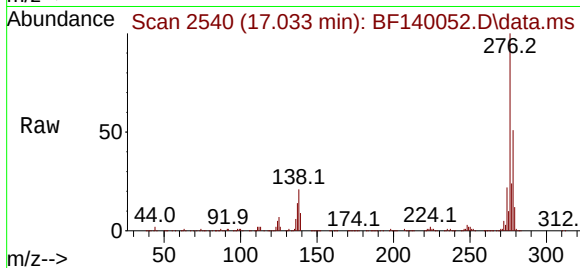
277 25.2 20.2 30.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#88

Benzo(b)fluoranthene

Concen: 41.946 ng

RT: 15.098 min Scan# 2211

Delta R.T. 0.000 min

Lab File: BF140052.D

Acq: 26 Oct 2024 11:34

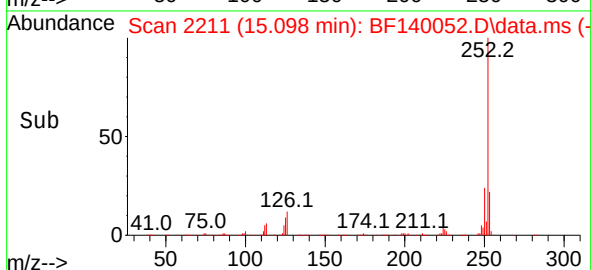
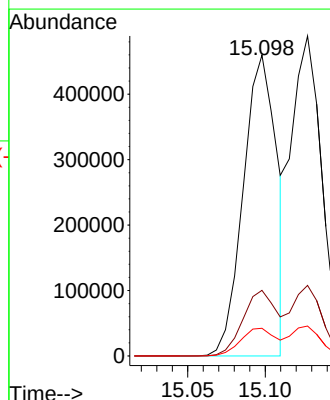
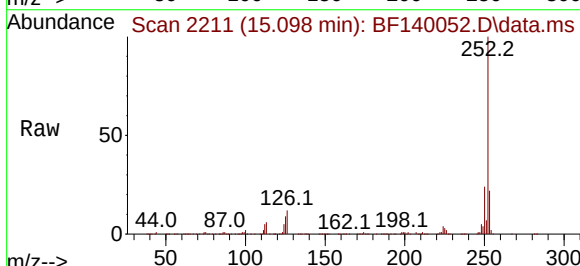
Tgt Ion:252 Resp: 691202

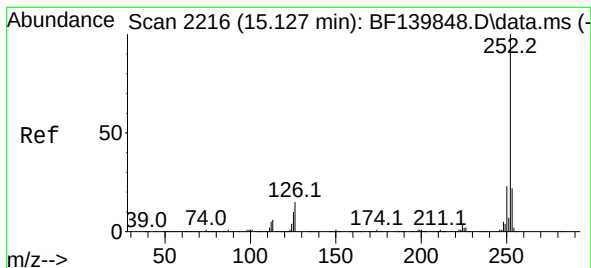
Ion Ratio Lower Upper

252 100

253 21.8 17.6 26.4

125 9.2 7.9 11.9





#89

Benzo(k)fluoranthene

Concen: 47.231 ng

RT: 15.127 min Scan# 2216

Delta R.T. 0.000 min

Lab File: BF140052.D

Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164401BS

Tgt Ion:252 Resp: 671210

Ion Ratio Lower Upper

252 100

253 22.1 17.6 26.4

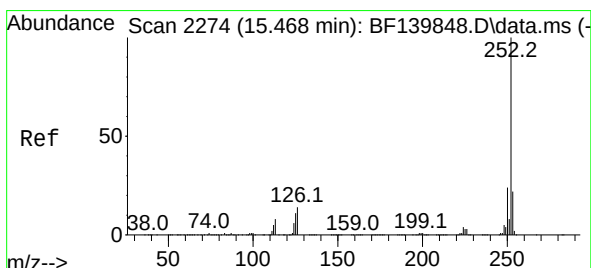
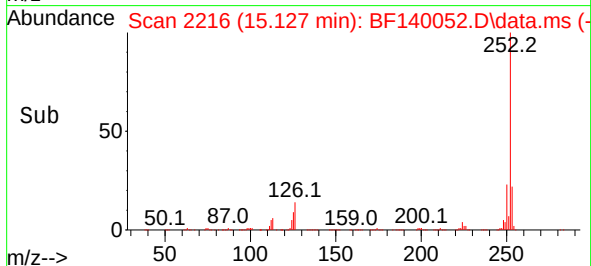
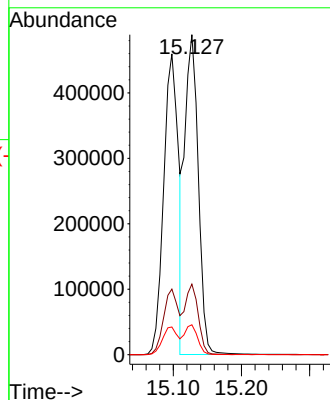
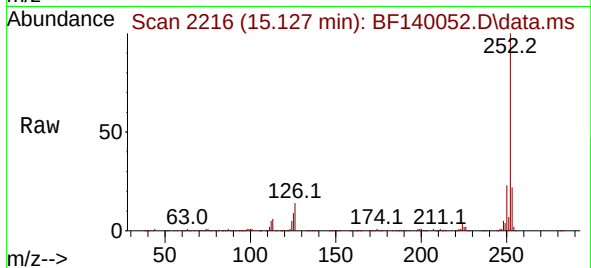
125 9.4 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#90

Benzo(a)pyrene

Concen: 48.018 ng

RT: 15.468 min Scan# 2274

Delta R.T. 0.000 min

Lab File: BF140052.D

Acq: 26 Oct 2024 11:34

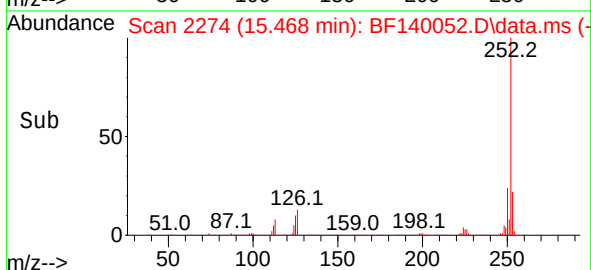
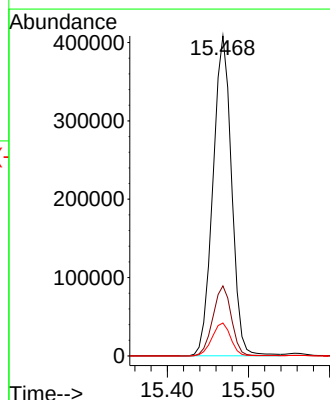
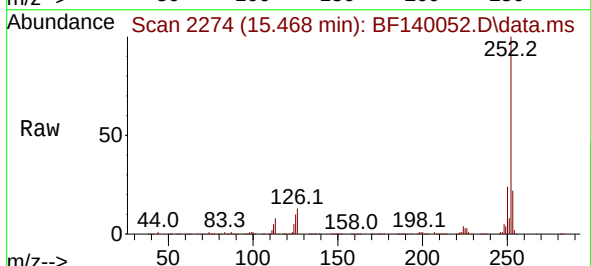
Tgt Ion:252 Resp: 651066

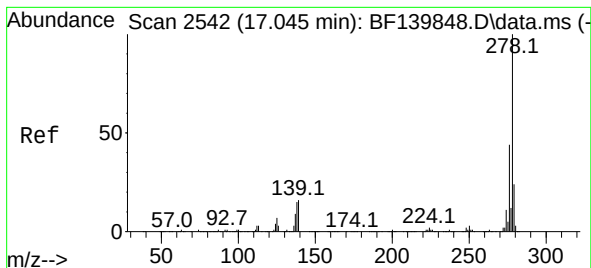
Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

125 10.3 8.7 13.1





#91

Dibenzo(a,h)anthracene

Concen: 45.212 ng

RT: 17.051 min Scan# 2543

Delta R.T. 0.006 min

Lab File: BF140052.D

Acq: 26 Oct 2024 11:34

Instrument :

BNA_F

ClientSampleId :

PB164401BS

Tgt Ion:278 Resp: 656369

Ion Ratio Lower Upper

278 100

139 14.1 13.1 19.7

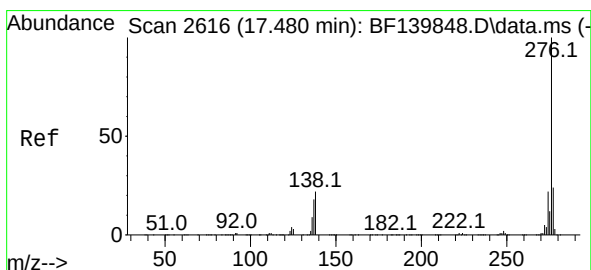
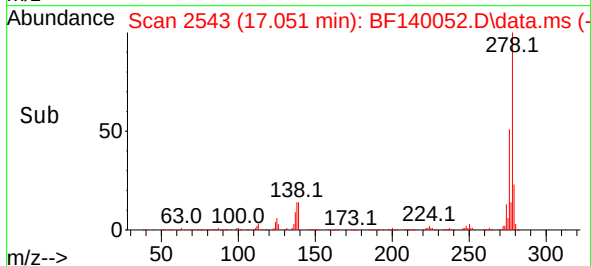
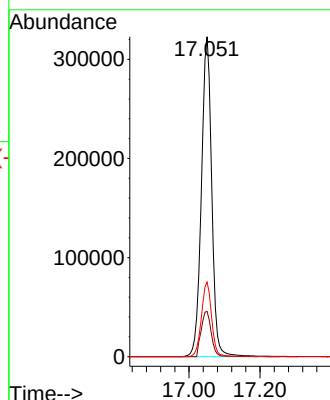
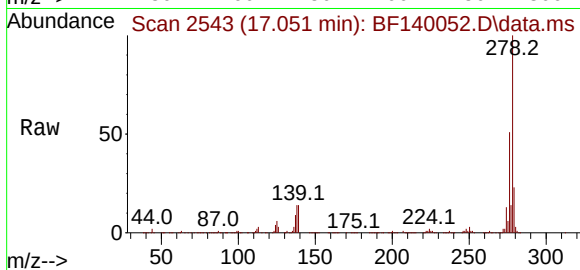
279 23.3 19.0 28.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 10/29/2024

Supervised By :mohammad ahmed 10/29/2024



#92

Benzo(g,h,i)perylene

Concen: 42.071 ng

RT: 17.486 min Scan# 2617

Delta R.T. 0.006 min

Lab File: BF140052.D

Acq: 26 Oct 2024 11:34

Tgt Ion:276 Resp: 610078

Ion Ratio Lower Upper

276 100

277 23.2 19.0 28.6

138 19.6 17.4 26.0

