

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF091824\
 Data File : BF139420.D
 Acq On : 18 Sep 2024 11:39
 Operator : RC/JU
 Sample : PB163323BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB163323BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/19/2024
 Supervised By :mohammad ahmed 09/20/2024

Quant Time: Sep 18 12:00:32 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Sat Sep 14 02:58:23 2024
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	75057	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	287593	20.000	ng	0.00
39) Acenaphthene-d10	9.916	164	158512	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	293215	20.000	ng	0.00
76) Chrysene-d12	14.039	240	152013	20.000	ng	0.00
86) Perylene-d12	15.504	264	140463	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.510	112	569384	123.754	ng	0.02
7) Phenol-d6	6.516	99	737998	122.205	ng	0.01
23) Nitrobenzene-d5	7.445	82	506293	82.761	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	208207	123.378	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	946326	83.731	ng	0.00
79) Terphenyl-d14	12.980	244	911392	98.409	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.787	88	64262	34.813	ng	98
3) Pyridine	3.522	79	166417	40.891	ng	98
4) n-Nitrosodimethylamine	3.481	42	144584	40.988	ng	94
6) Aniline	6.539	93	213461	46.838	ng	# 71
8) 2-Chlorophenol	6.663	128	214939	45.383	ng	99
9) Benzaldehyde	6.428	77	43886	12.578	ng	98
10) Phenol	6.528	94	274374	44.609	ng	89
11) bis(2-Chloroethyl)ether	6.616	93	200606	42.912	ng	99
12) 1,3-Dichlorobenzene	6.822	146	225655	41.895	ng	98
13) 1,4-Dichlorobenzene	6.898	146	230751	42.394	ng	99
14) 1,2-Dichlorobenzene	7.045	146	220736	42.918	ng	98
15) Benzyl Alcohol	7.022	79	218812	45.415	ng	97
16) 2,2'-oxybis(1-Chloropr...	7.151	45	366754	50.906	ng	97
17) 2-Methylphenol	7.133	107	169812	45.129	ng	99
18) Hexachloroethane	7.392	117	89890	43.359	ng	100
19) n-Nitroso-di-n-propyla...	7.292	70	170109	47.534	ng	99
20) 3+4-Methylphenols	7.286	107	226648	44.149	ng	91
22) Acetophenone	7.286	105	313634	41.715	ng	97
24) Nitrobenzene	7.463	77	257058	40.827	ng	100
25) Isophorone	7.698	82	441325	45.615	ng	99
26) 2-Nitrophenol	7.781	139	113866	46.419	ng	93
27) 2,4-Dimethylphenol	7.816	122	175944	54.376	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	251293	45.574	ng	97
29) 2,4-Dichlorophenol	8.022	162	181127	44.064	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	193333	40.366	ng	98
31) Naphthalene	8.186	128	635906	42.354	ng	100
32) Benzoic acid	7.939	122	122481	40.449	ng	98
33) 4-Chloroaniline	8.228	127	103527	22.539	ng	99
34) Hexachlorobutadiene	8.298	225	132265	40.648	ng	99
35) Caprolactam	8.604	113	55715m	44.062	ng	
36) 4-Chloro-3-methylphenol	8.716	107	204080	43.442	ng	96
37) 2-Methylnaphthalene	8.875	142	413081	43.346	ng	100
38) 1-Methylnaphthalene	8.975	142	388960	41.573	ng	99
40) 1,2,4,5-Tetrachloroben...	9.039	216	201633	42.921	ng	98
41) Hexachlorocyclopentadiene	9.027	237	269649	164.393	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	139058	45.498	ng	99

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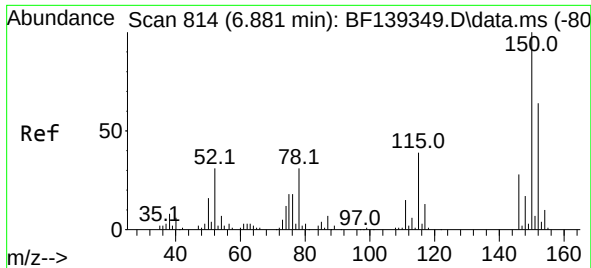
Quant Time: Sep 18 12:00:32 2024
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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	138610	42.994	ng	97
46) 1,1'-Biphenyl	9.339	154	527071	43.221	ng	100
47) 2-Chloronaphthalene	9.363	162	386463	42.385	ng	98
48) 2-Nitroaniline	9.457	65	149938	44.211	ng	96
49) Acenaphthylene	9.780	152	634201	46.207	ng	99
50) Dimethylphthalate	9.639	163	469719	45.149	ng	100
51) 2,6-Dinitrotoluene	9.704	165	100786	43.729	ng	95
52) Acenaphthene	9.951	154	473313	49.410	ng	100
53) 3-Nitroaniline	9.869	138	63802	27.700	ng	95
54) 2,4-Dinitrophenol	9.974	184	122589	95.454	ng	94
55) Dibenzofuran	10.122	168	587990	44.039	ng	98
56) 4-Nitrophenol	10.033	139	162482	85.252	ng	87
57) 2,4-Dinitrotoluene	10.104	165	135337	43.494	ng	99
58) Fluorene	10.463	166	467246	42.891	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	120757	45.279	ng	99
60) Diethylphthalate	10.339	149	481189	44.819	ng	98
61) 4-Chlorophenyl-phenylether	10.457	204	228891	43.234	ng	97
62) 4-Nitroaniline	10.486	138	99178	39.453	ng	96
63) Azobenzene	10.616	77	478109	45.276	ng	97
65) 4,6-Dinitro-2-methylph...	10.510	198	75456	48.759	ng	100
66) n-Nitrosodiphenylamine	10.574	169	397906	46.416	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	134228	46.195	ng	100
68) Hexachlorobenzene	11.010	284	151214	44.342	ng	98
69) Atrazine	11.098	200	131687	64.525	ng	97
70) Pentachlorophenol	11.204	266	177857	86.918	ng	99
71) Phenanthrene	11.427	178	635357	44.913	ng	99
72) Anthracene	11.480	178	651190	47.081	ng	100
73) Carbazole	11.633	167	575253	43.455	ng	99
74) Di-n-butylphthalate	11.957	149	714061	48.422	ng	100
75) Fluoranthene	12.610	202	644057	42.633	ng	99
77) Benzidine	12.733	184	150662	69.178	ng	99
78) Pyrene	12.839	202	647388	49.599	ng	100
80) Butylbenzylphthalate	13.457	149	231990	52.218	ng	98
81) Benzo(a)anthracene	14.027	228	469708	46.648	ng	100
82) 3,3'-Dichlorobenzidine	13.986	252	101146	34.301	ng	99
83) Chrysene	14.062	228	415647	44.868	ng	99
84) Bis(2-ethylhexyl)phtha...	14.009	149	306302	54.196	ng	98
85) Di-n-octyl phthalate	14.627	149	442081	53.113	ng	99
87) Indeno(1,2,3-cd)pyrene	16.980	276	406007	48.610	ng	99
88) Benzo(b)fluoranthene	15.074	252	417158	48.155	ng	99
89) Benzo(k)fluoranthene	15.104	252	334844	41.922	ng	98
90) Benzo(a)pyrene	15.445	252	355564	49.490	ng	99
91) Dibenzo(a,h)anthracene	16.998	278	332283	48.145	ng	99
92) Benzo(g,h,i)perylene	17.427	276	304600	44.574	ng	98

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 814
Delta R.T. -0.000 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

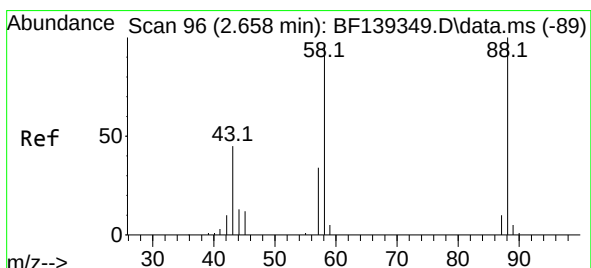
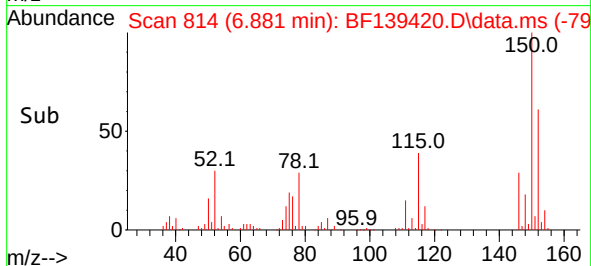
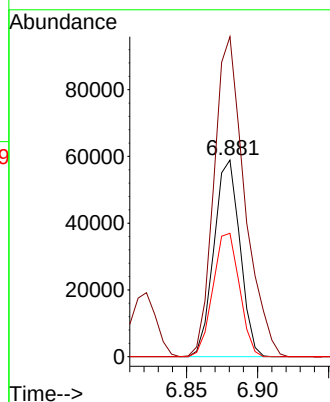
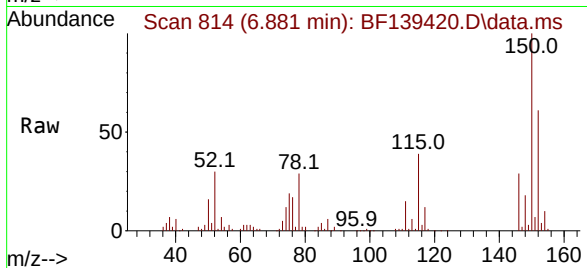
PB163323BS

Tgt Ion:152 Resp: 7505
Ion Ratio Lower Upper
152 100
150 162.7 124.1 186.1
115 62.7 48.1 72.1

Manual Integrations

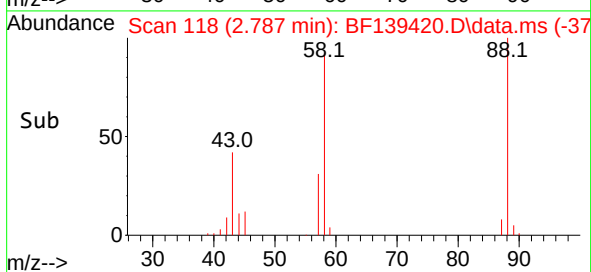
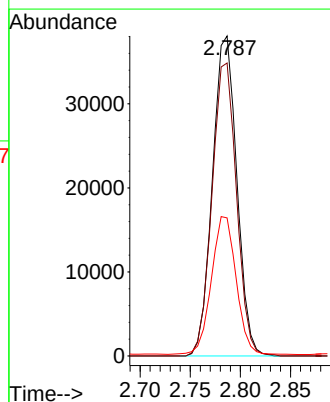
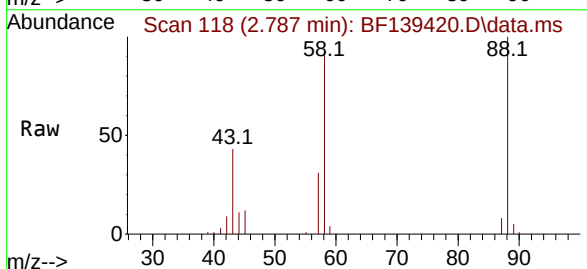
APPROVED

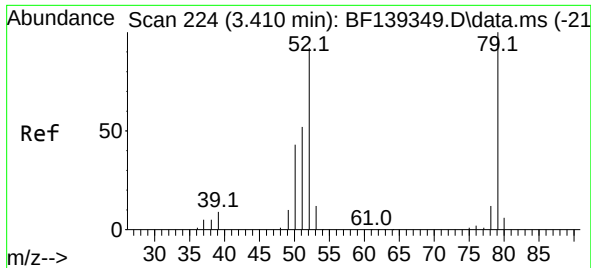
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#2
1,4-Dioxane
Concen: 34.813 ng
RT: 2.787 min Scan# 118
Delta R.T. 0.129 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Tgt Ion: 88 Resp: 64262
Ion Ratio Lower Upper
88 100
58 92.1 74.8 112.2
43 44.0 36.4 54.6





#3

Pyridine

Concen: 40.891 ng

RT: 3.522 min Scan# 243

Delta R.T. 0.111 min

Lab File: BF139420.D

Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

PB163323BS

Tgt Ion: 79 Resp: 16641

Ion Ratio Lower Upper

79 100

52 94.1 73.8 110.8

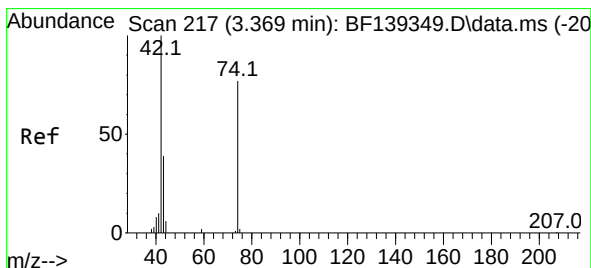
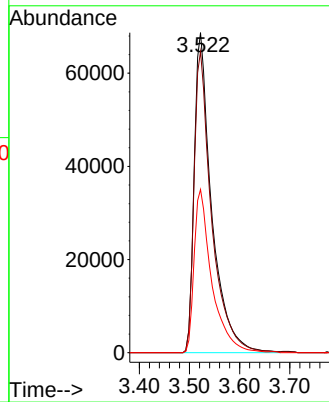
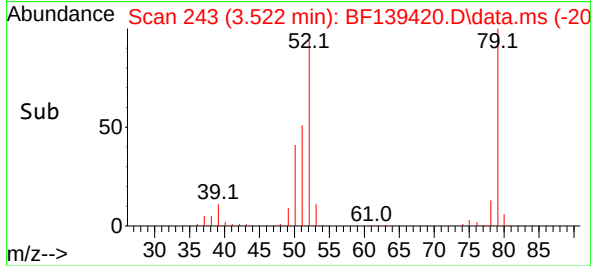
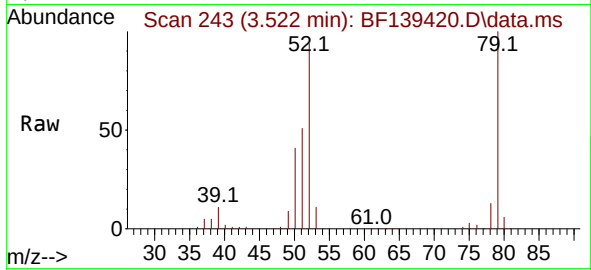
51 51.0 41.8 62.6

Manual Integrations

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Reviewed By :Yogesh Patel 09/19/2024

Supervised By :mohammad ahmed 09/20/2024



#4

n-Nitrosodimethylamine

Concen: 40.988 ng

RT: 3.481 min Scan# 236

Delta R.T. 0.111 min

Lab File: BF139420.D

Acq: 18 Sep 2024 11:39

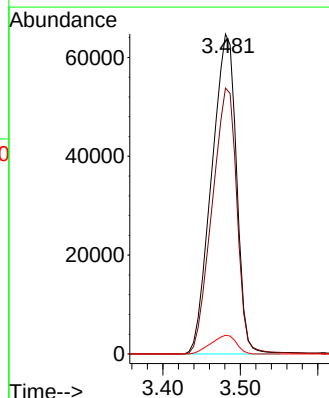
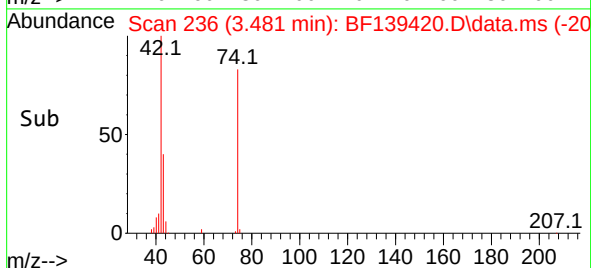
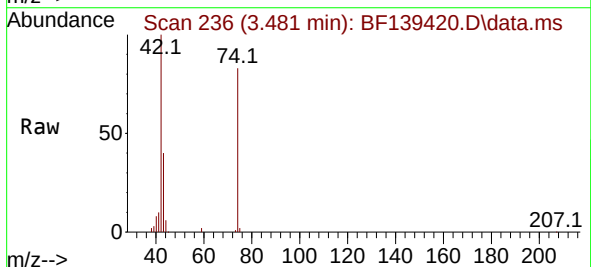
Tgt Ion: 42 Resp: 144584

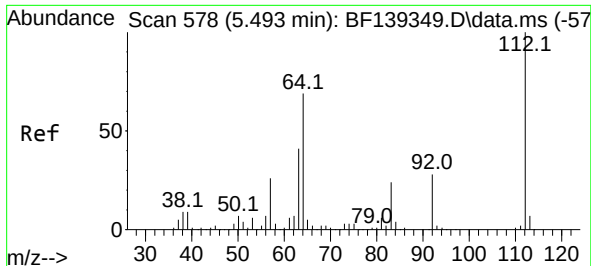
Ion Ratio Lower Upper

42 100

74 83.1 61.8 92.8

44 5.9 4.8 7.2





#5
2-Fluorophenol
Concen: 123.754 ng
RT: 5.510 min Scan# 51
Delta R.T. 0.017 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

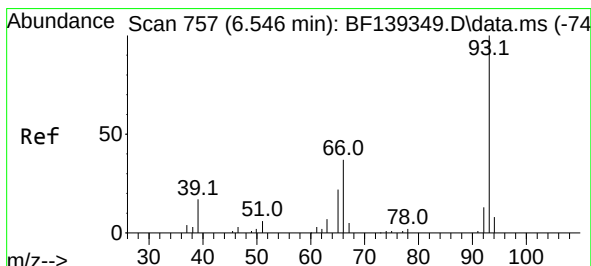
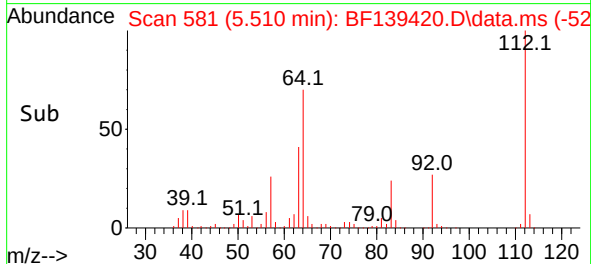
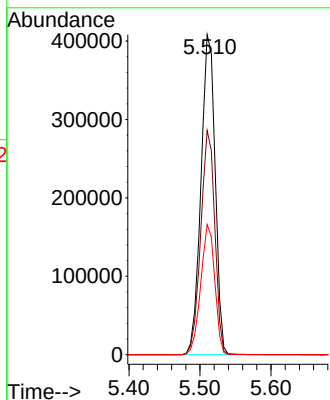
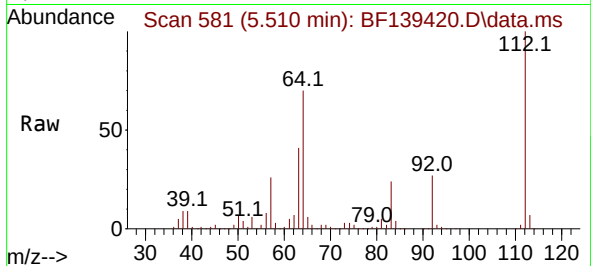
ClientSampleId :

PB163323BS

Tgt Ion:112 Resp: 569384
Ion Ratio Lower Upper
112 100
64 70.1 54.8 82.2
63 40.6 33.0 49.4

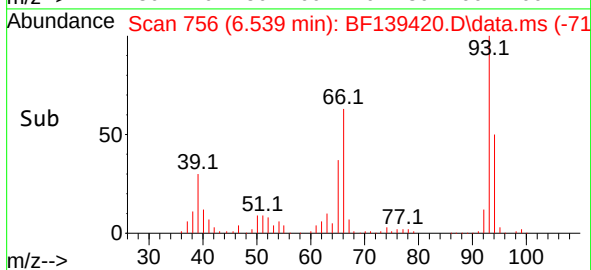
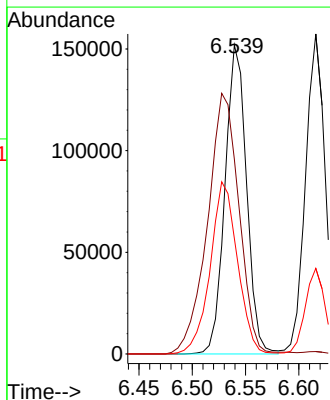
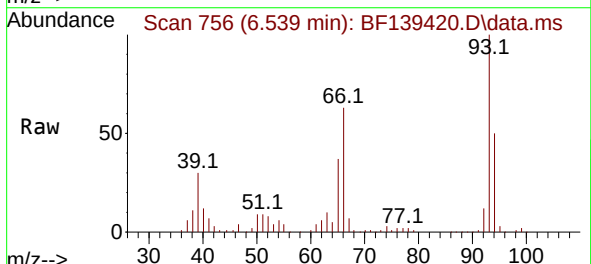
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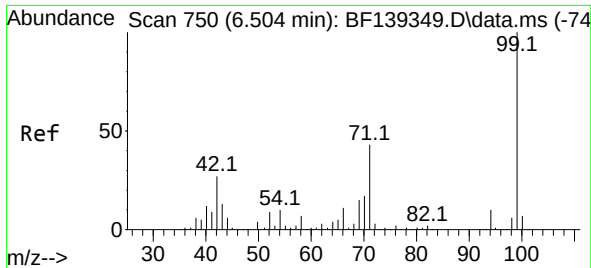
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#6
Aniline
Concen: 46.838 ng
RT: 6.539 min Scan# 756
Delta R.T. -0.030 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

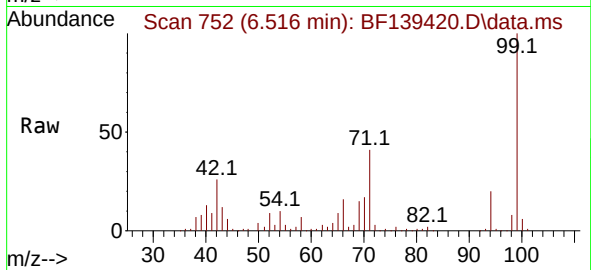
Tgt Ion: 93 Resp: 213461
Ion Ratio Lower Upper
93 100
66 63.1 35.4 53.0#
65 37.4 18.2 27.4#





#7
Phenol-d6
Concen: 122.205 ng
RT: 6.516 min Scan# 710
Delta R.T. 0.011 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

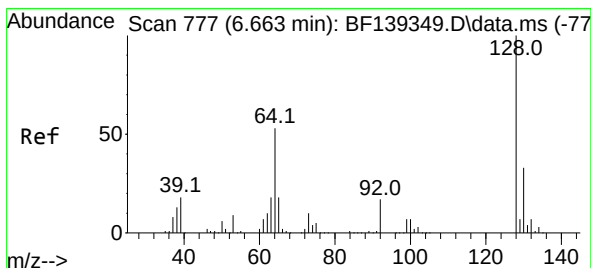
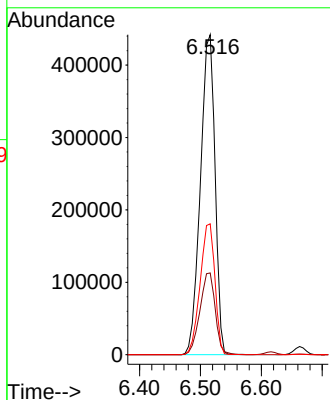
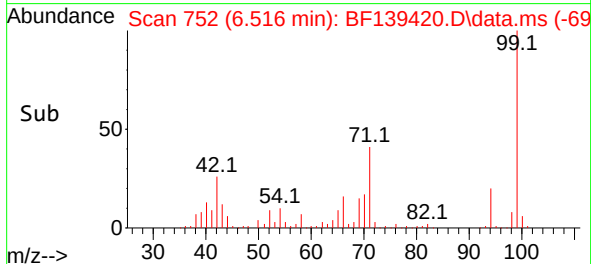
Instrument :
BNA_F
ClientSampleId :
PB163323BS



Tgt Ion: 99 Resp: 737998
Ion Ratio Lower Upper
99 100
42 25.6 21.9 32.9
71 40.9 34.6 52.0

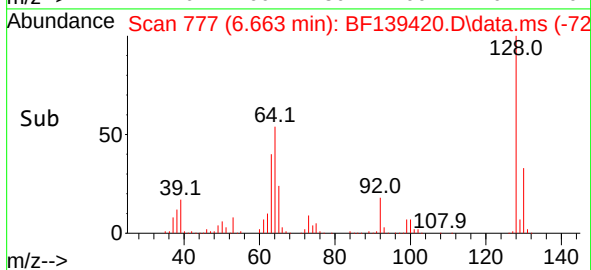
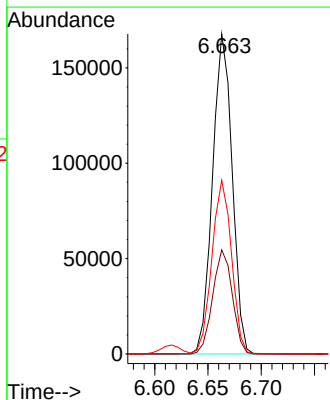
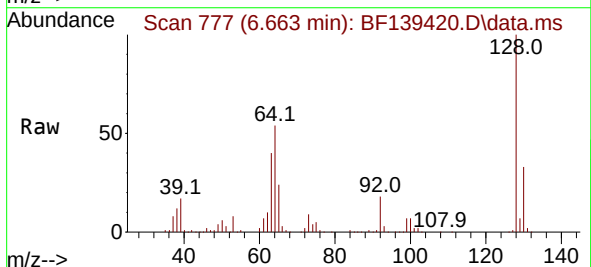
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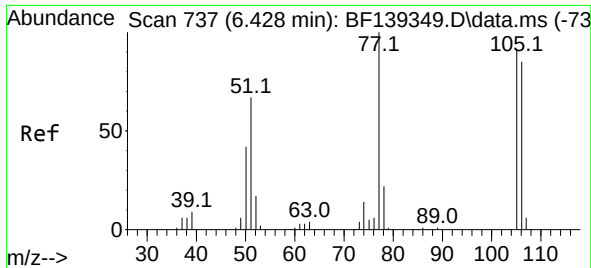
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#8
2-Chlorophenol
Concen: 45.383 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.000 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Tgt Ion:128 Resp: 214939
Ion Ratio Lower Upper
128 100
130 32.6 12.8 52.8
64 54.3 35.1 75.1





#9

Benzaldehyde

Concen: 12.578 ng

RT: 6.428 min Scan# 71

Delta R.T. -0.000 min

Lab File: BF139420.D

Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

PB163323BS

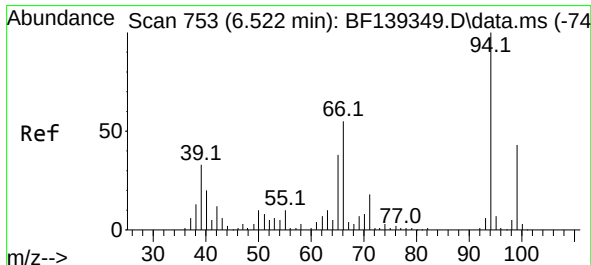
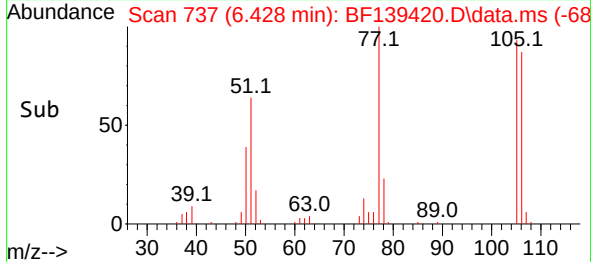
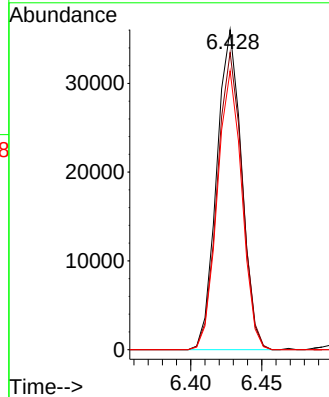
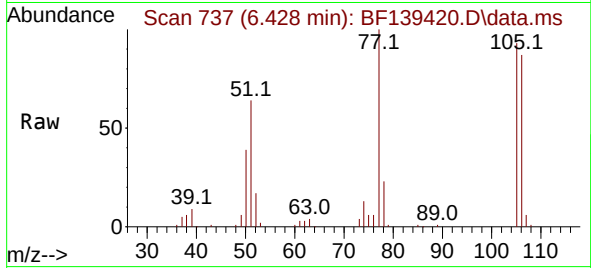
Tgt Ion: 77	Resp: 4388
Ion Ratio	Lower Upper
77 100	
105 92.9	71.0 111.0
106 87.1	64.9 104.9

Manual Integrations

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Reviewed By :Yogesh Patel 09/19/2024

Supervised By :mohammad ahmed 09/20/2024



#10

Phenol

Concen: 44.609 ng

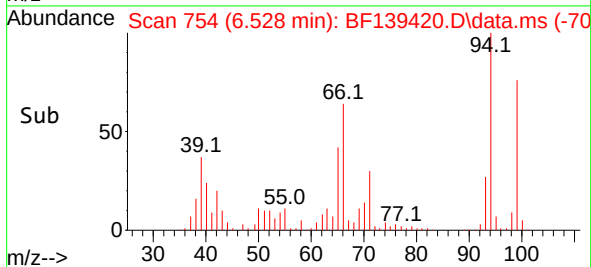
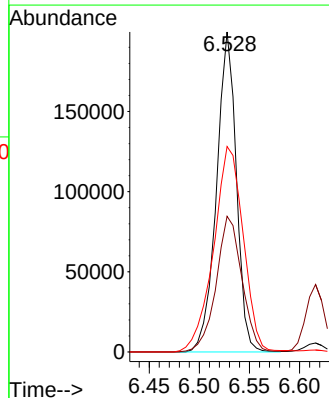
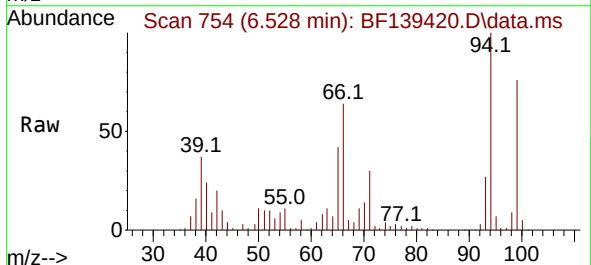
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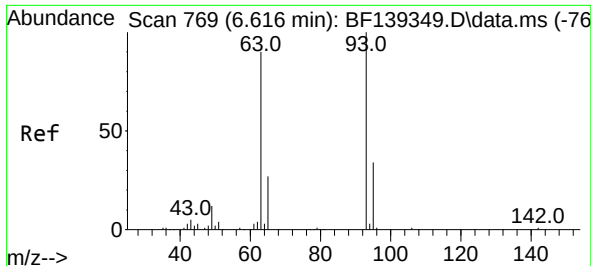
Delta R.T. 0.006 min

Lab File: BF139420.D

Acq: 18 Sep 2024 11:39

Tgt Ion: 94	Resp: 274374
Ion Ratio	Lower Upper
94 100	
65 42.4	17.6 57.6
66 64.2	35.2 75.2





#11
bis(2-Chloroethyl)ether
Concen: 42.912 ng
RT: 6.616 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

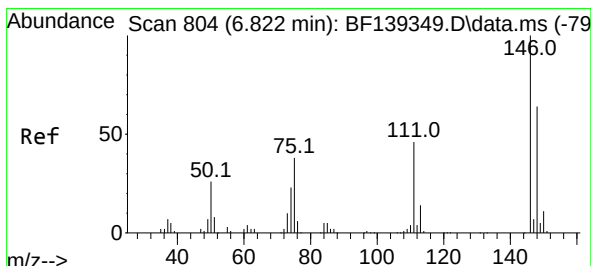
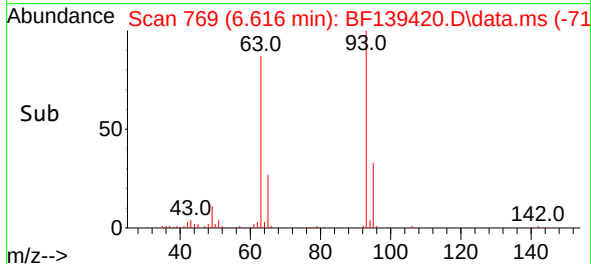
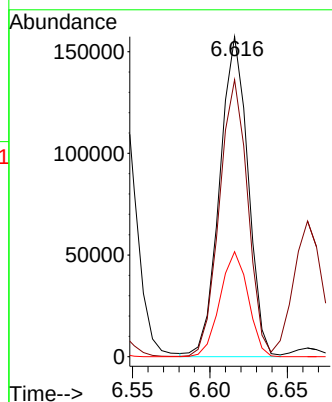
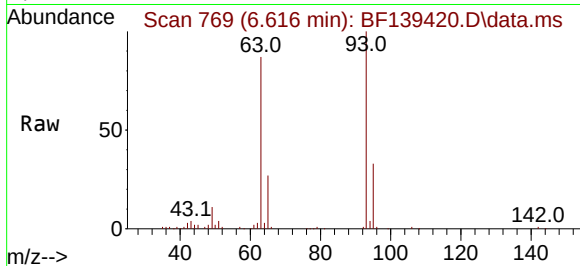
ClientSampleId :

PB163323BS

Tgt Ion: 93 Resp: 200600
Ion Ratio Lower Upper
93 100
63 86.5 65.3 105.3
95 32.8 12.4 52.4

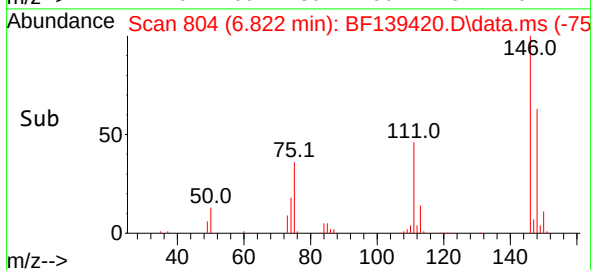
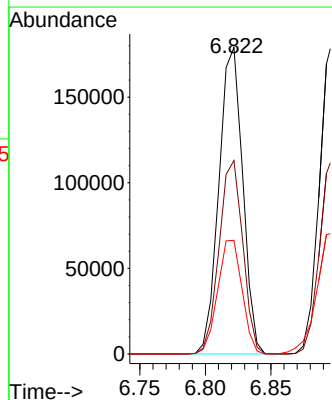
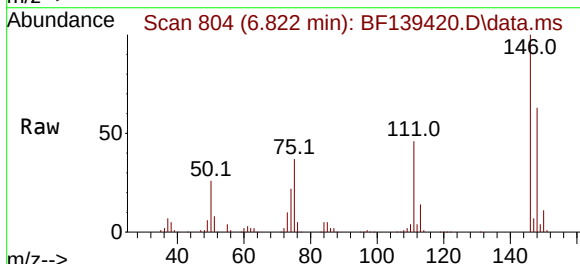
Manual Integrations
APPROVED

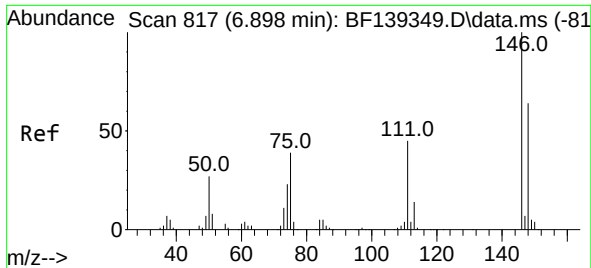
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#12
1,3-Dichlorobenzene
Concen: 41.895 ng
RT: 6.822 min Scan# 804
Delta R.T. -0.000 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Tgt Ion:146 Resp: 225655
Ion Ratio Lower Upper
146 100
148 63.1 51.2 76.8
75 37.0 30.6 46.0





#13
1,4-Dichlorobenzene
Concen: 42.394 ng
RT: 6.898 min Scan# 817
Delta R.T. -0.000 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

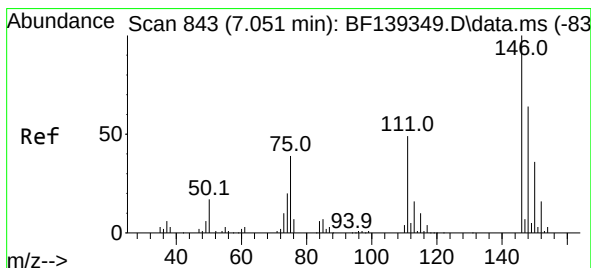
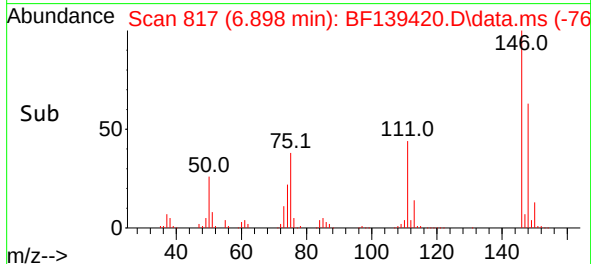
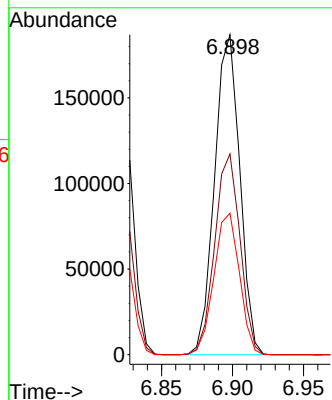
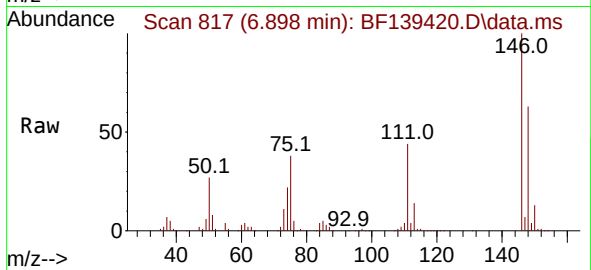
ClientSampleId :

PB163323BS

Tgt Ion:146 Resp: 23075
Ion Ratio Lower Upper
146 100
148 62.8 50.9 76.3
111 44.2 36.3 54.5

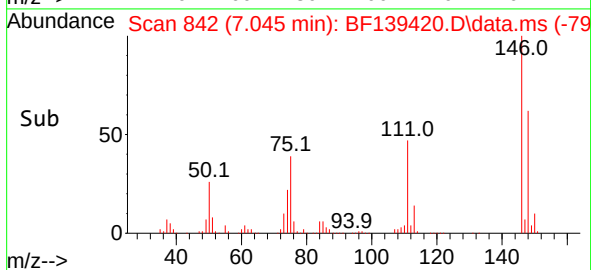
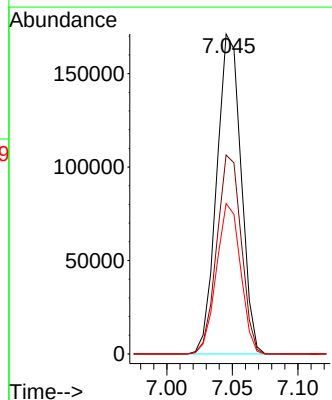
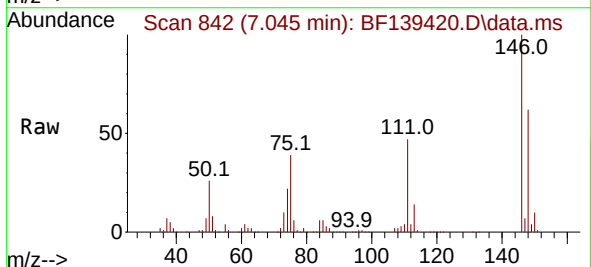
Manual Integrations
APPROVED

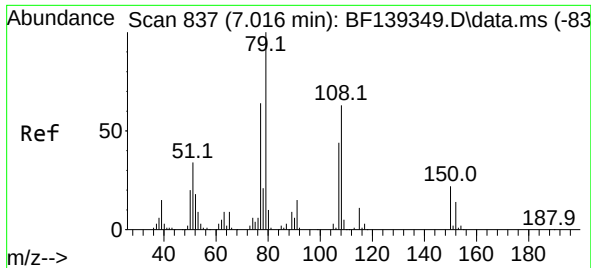
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#14
1,2-Dichlorobenzene
Concen: 42.918 ng
RT: 7.045 min Scan# 842
Delta R.T. -0.006 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Tgt Ion:146 Resp: 220736
Ion Ratio Lower Upper
146 100
148 62.2 50.9 76.3
111 47.0 38.9 58.3





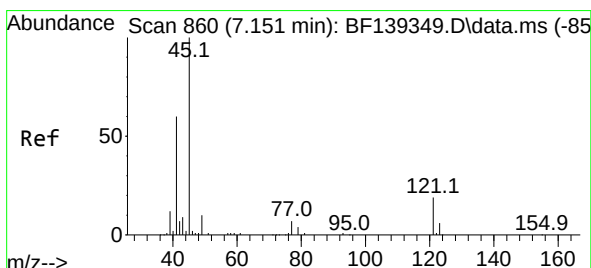
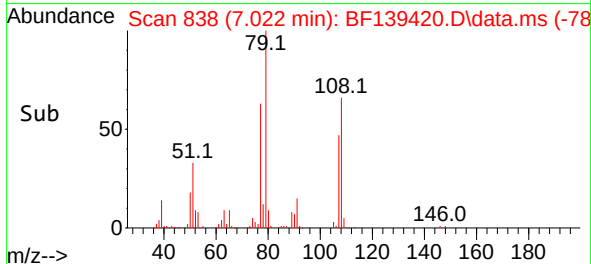
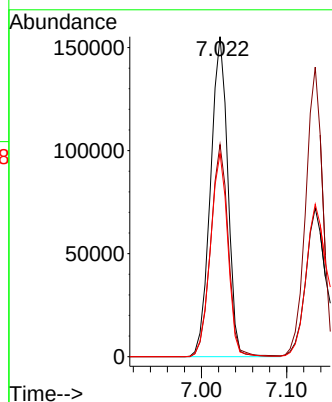
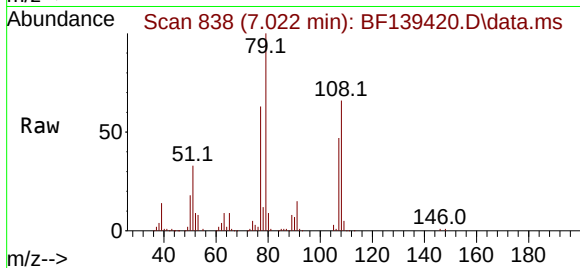
#15
Benzyl Alcohol
Concen: 45.415 ng
RT: 7.022 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Instrument :
BNA_F
ClientSampleId :
PB163323BS

Tgt Ion: 79 Resp: 21881
Ion Ratio Lower Upper
79 100
108 66.3 50.4 75.6
77 63.5 51.4 77.2

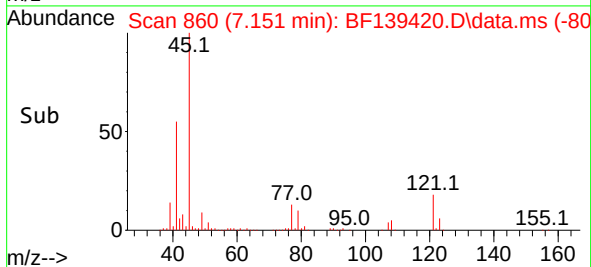
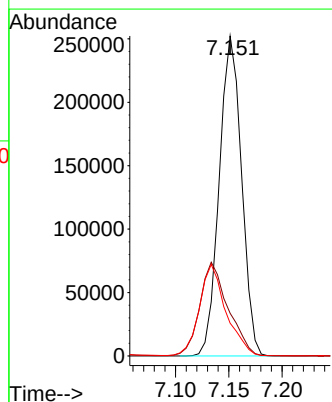
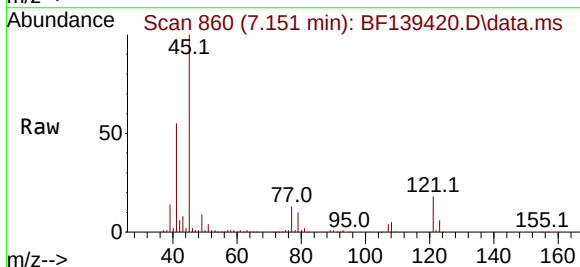
Manual Integrations
APPROVED

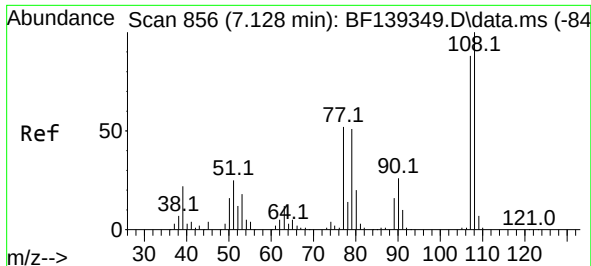
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 50.906 ng
RT: 7.151 min Scan# 860
Delta R.T. -0.000 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Tgt Ion: 45 Resp: 366754
Ion Ratio Lower Upper
45 100
77 13.4 0.0 32.0
79 10.3 0.0 29.1





#17
2-Methylphenol
Concen: 45.129 ng
RT: 7.133 min Scan# 856
Delta R.T. 0.006 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

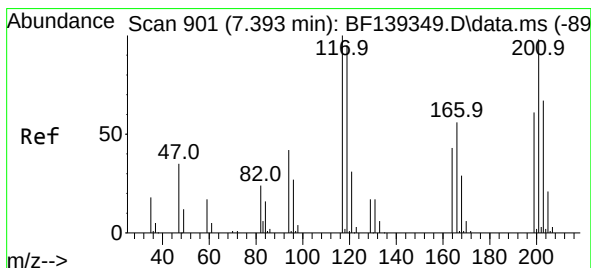
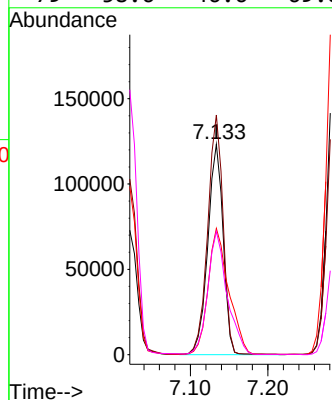
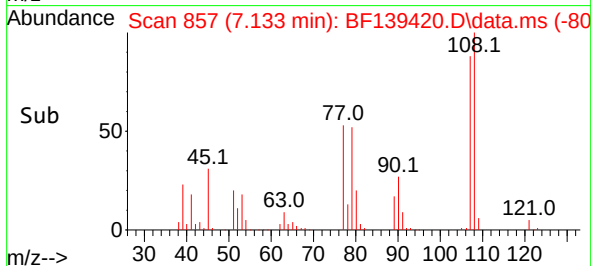
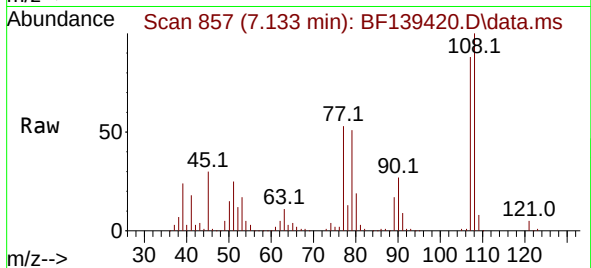
PB163323BS

Tgt Ion:107 Resp: 16981
Ion Ratio Lower Upper
107 100
108 113.9 90.5 135.7
77 60.0 47.1 70.7
79 58.6 46.6 69.8

Manual Integrations

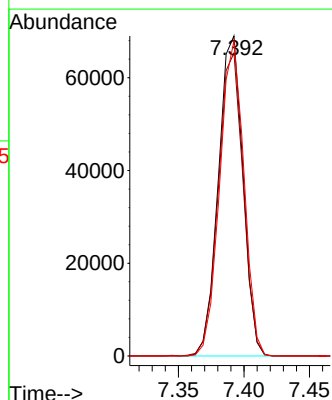
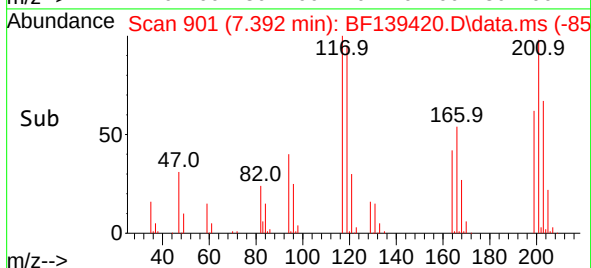
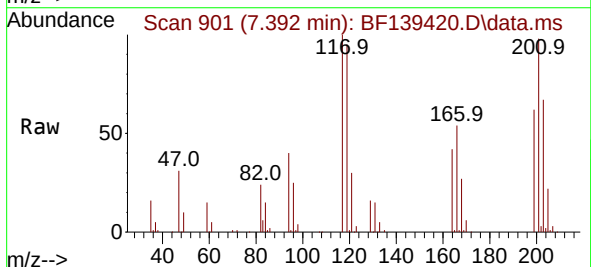
APPROVED

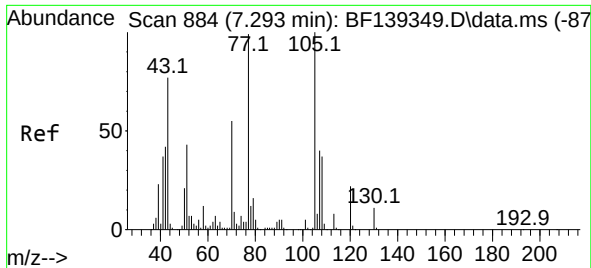
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#18
Hexachloroethane
Concen: 43.359 ng
RT: 7.392 min Scan# 901
Delta R.T. -0.000 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Tgt Ion:117 Resp: 89890
Ion Ratio Lower Upper
117 100
119 94.7 75.8 113.8
201 98.5 78.6 118.0





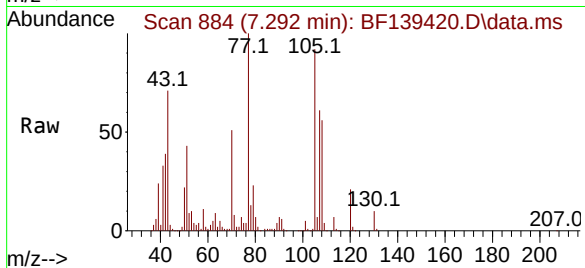
#19
n-Nitroso-di-n-propylamine
Concen: 47.534 ng
RT: 7.292 min Scan# 884
Delta R.T. -0.000 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

PB163323BS



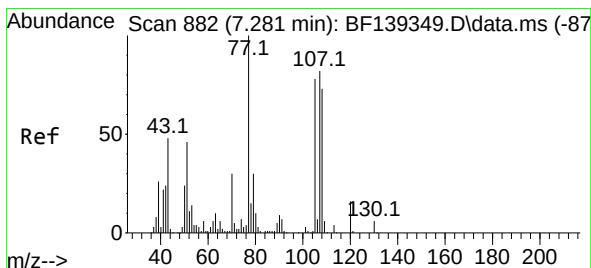
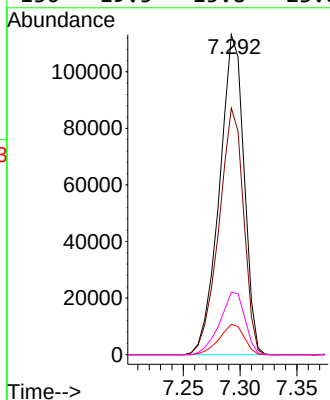
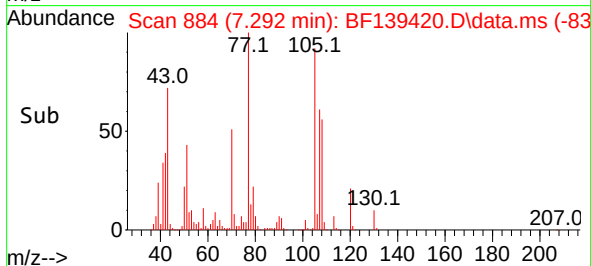
Tgt Ion: 70 Resp: 170109
Ion Ratio Lower Upper
70 100
42 77.1 61.2 91.8
101 9.5 7.5 11.3
130 19.5 15.8 23.8

Manual Integrations

APPROVED

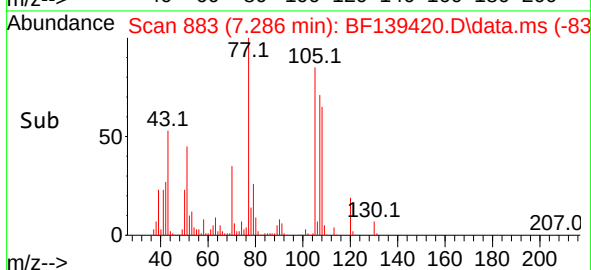
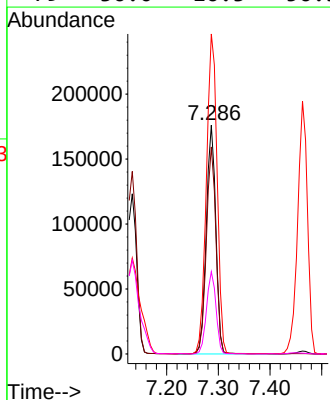
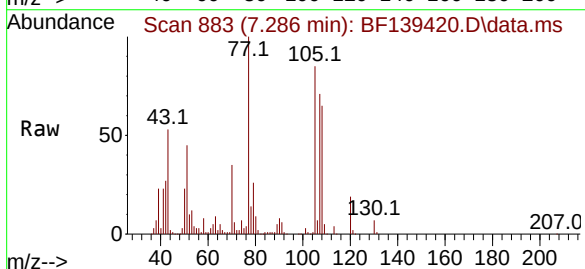
Reviewed By :Yogesh Patel 09/19/2024

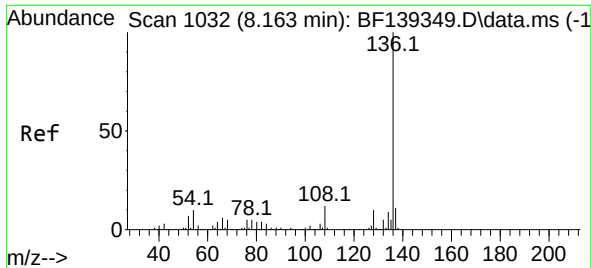
Supervised By :mohammad ahmed 09/20/2024



#20
3+4-Methylphenols
Concen: 44.149 ng
RT: 7.286 min Scan# 883
Delta R.T. 0.006 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Tgt Ion:107 Resp: 226648
Ion Ratio Lower Upper
107 100
108 90.5 68.6 108.6
77 139.9 101.6 141.6
79 36.0 16.3 56.3





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1032
Delta R.T. -0.000 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

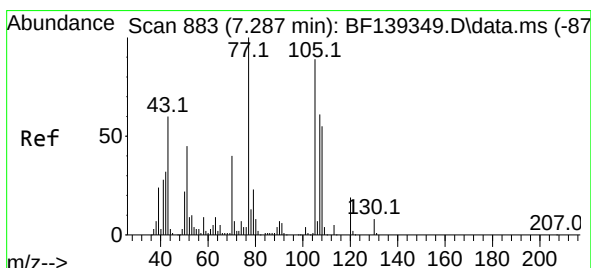
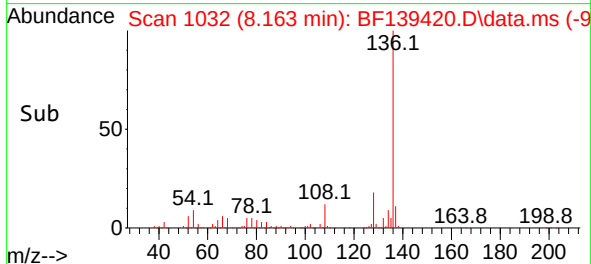
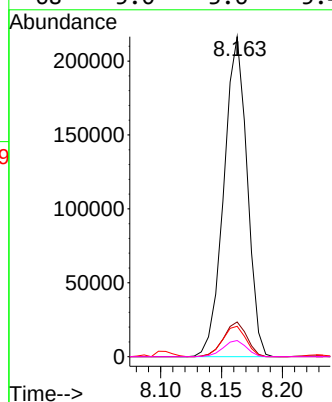
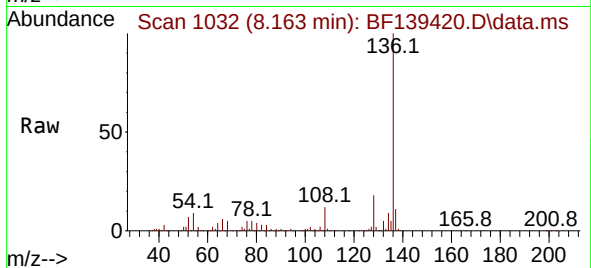
PB163323BS

Tgt Ion:136 Resp: 28759
Ion Ratio Lower Upper
136 100
137 10.8 8.6 12.8
54 9.5 7.8 11.8
68 5.0 3.6 5.4

Manual Integrations

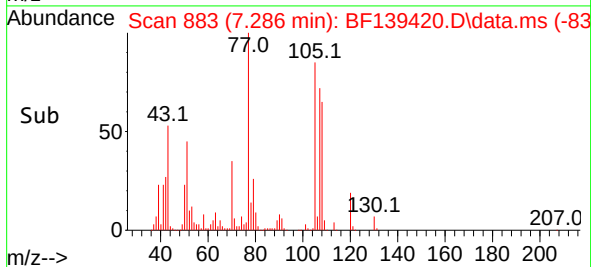
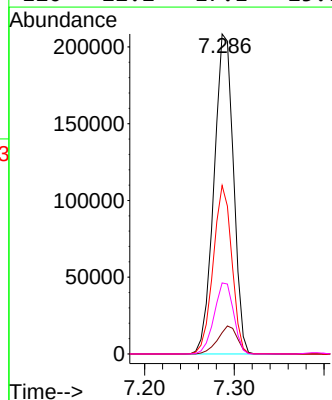
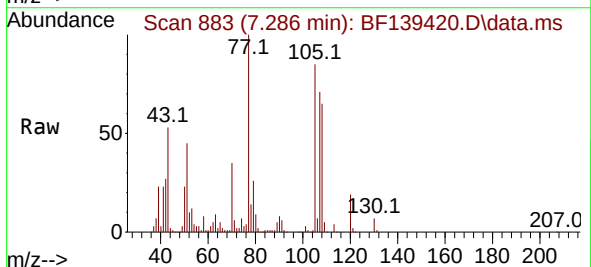
APPROVED

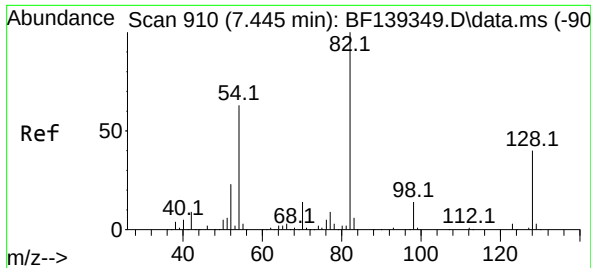
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#22
Acetophenone
Concen: 41.715 ng
RT: 7.286 min Scan# 883
Delta R.T. -0.000 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Tgt Ion:105 Resp: 313634
Ion Ratio Lower Upper
105 100
71 6.7 5.9 8.9
51 52.7 40.0 60.0
120 22.2 17.1 25.7





#23

Nitrobenzene-d5

Concen: 82.761 ng

RT: 7.445 min Scan# 910

Delta R.T. -0.000 min

Lab File: BF139420.D

Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

PB163323BS

Tgt Ion: 82 Resp: 50629

Ion Ratio Lower Upper

82 100

128 39.7 31.8 47.6

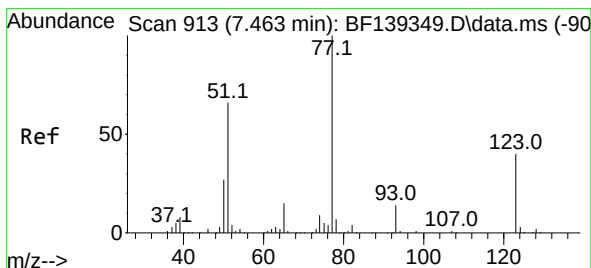
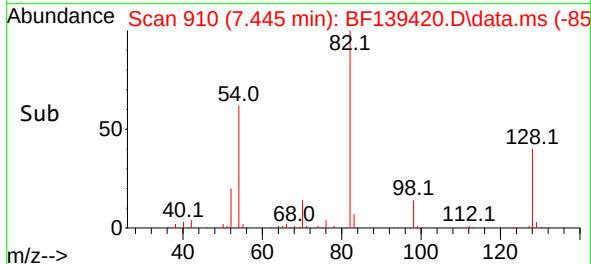
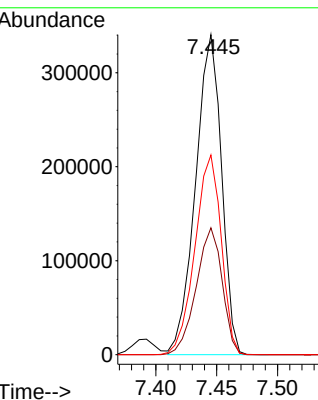
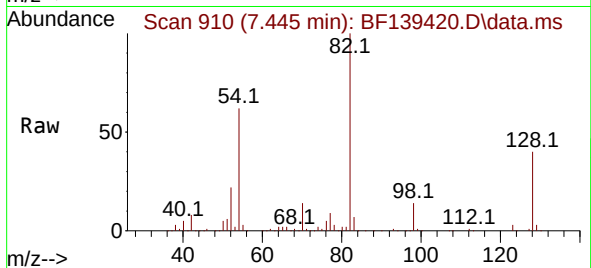
54 62.4 50.6 75.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2024

Supervised By :mohammad ahmed 09/20/2024



#24

Nitrobenzene

Concen: 40.827 ng

RT: 7.463 min Scan# 913

Delta R.T. -0.000 min

Lab File: BF139420.D

Acq: 18 Sep 2024 11:39

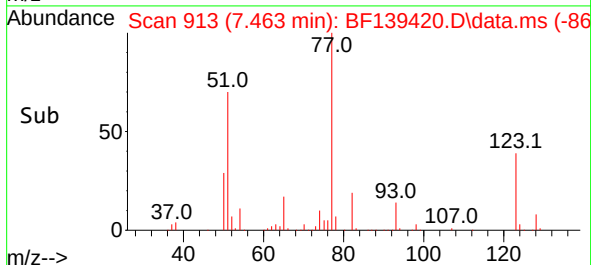
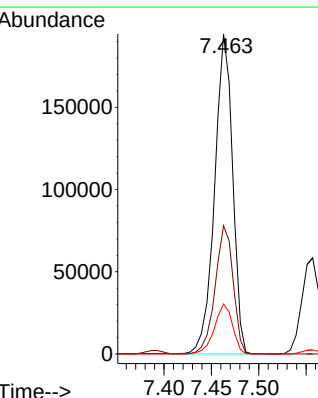
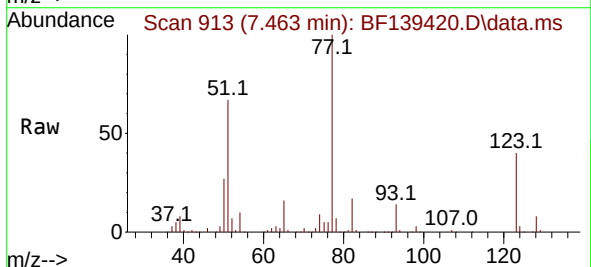
Tgt Ion: 77 Resp: 257058

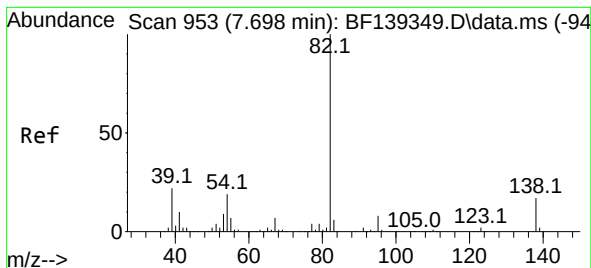
Ion Ratio Lower Upper

77 100

123 40.1 32.2 48.4

65 15.6 12.2 18.4





#25

Isophorone

Concen: 45.615 ng

RT: 7.698 min Scan# 91

Delta R.T. -0.000 min

Lab File: BF139420.D

Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

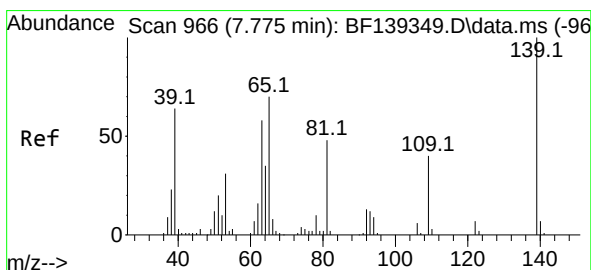
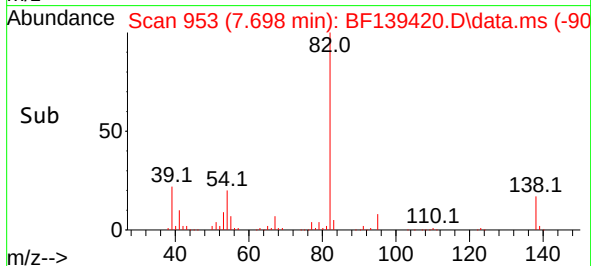
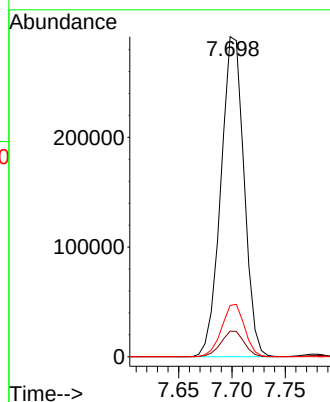
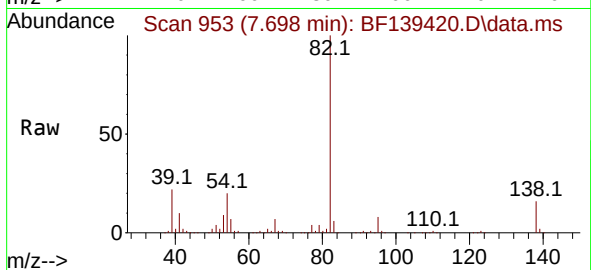
PB163323BS

Tgt Ion:	82	Resp:	44132
Ion Ratio	Lower	Upper	
82	100		
95	8.0	6.7	10.1
138	16.0	13.3	19.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#26

2-Nitrophenol

Concen: 46.419 ng

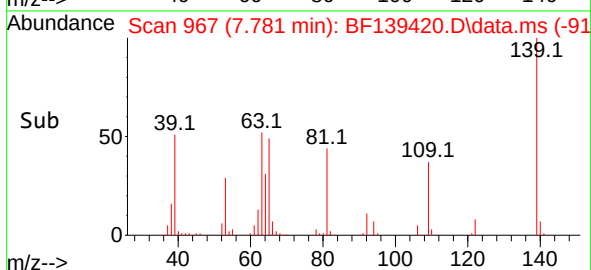
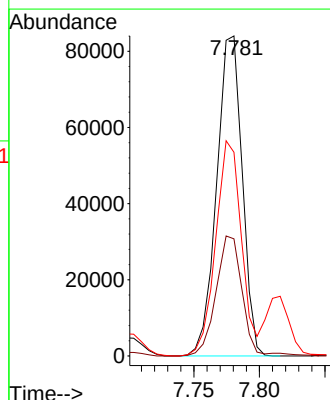
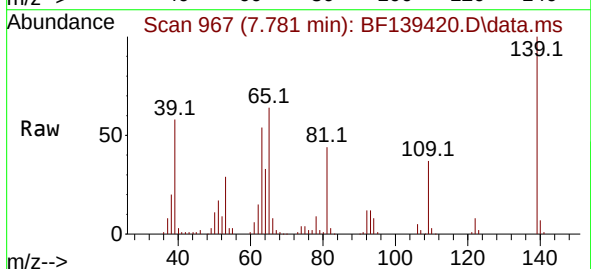
RT: 7.781 min Scan# 967

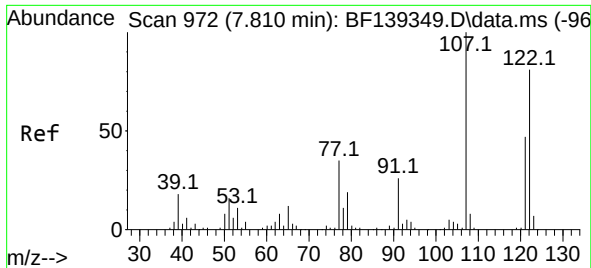
Delta R.T. 0.006 min

Lab File: BF139420.D

Acq: 18 Sep 2024 11:39

Tgt Ion:	139	Resp:	113866
Ion Ratio	Lower	Upper	
139	100		
109	36.6	32.2	48.2
65	63.7	55.8	83.8





#27

2,4-Dimethylphenol

Concen: 54.376 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.006 min

Lab File: BF139420.D

Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

PB163323BS

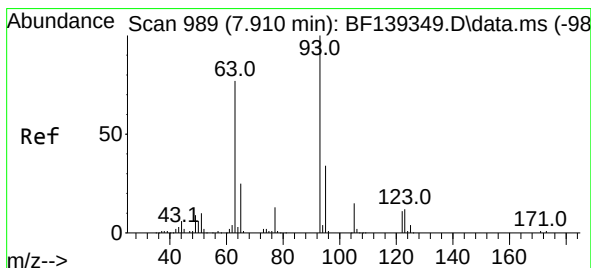
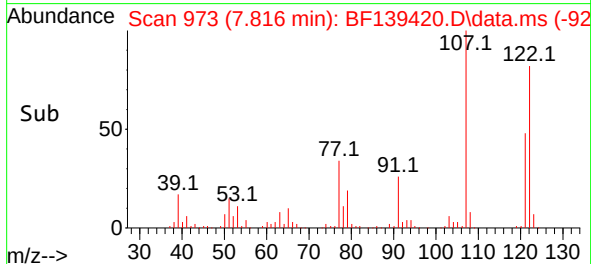
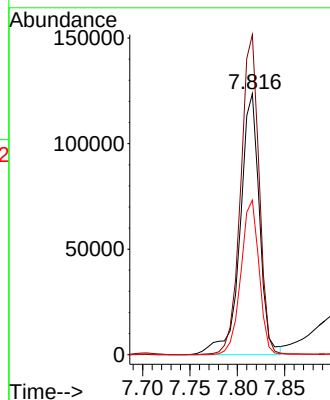
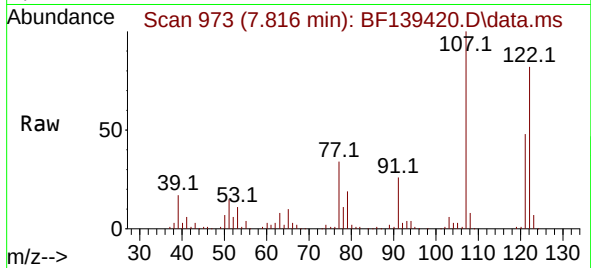
Tgt Ion:122 Resp: 17594
 Ion Ratio Lower Upper
 122 100
 107 122.6 99.1 148.7
 121 59.2 46.6 70.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2024

Supervised By :mohammad ahmed 09/20/2024



#28

bis(2-Chloroethoxy)methane

Concen: 45.574 ng

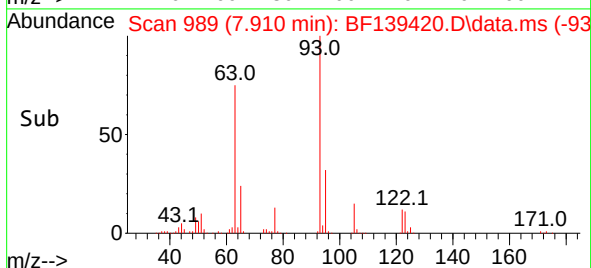
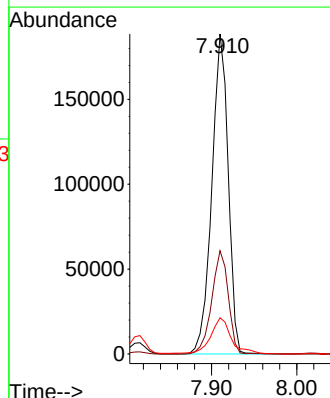
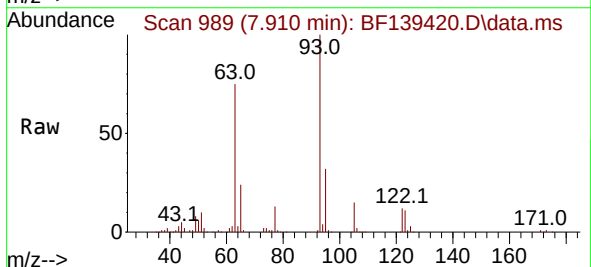
RT: 7.910 min Scan# 989

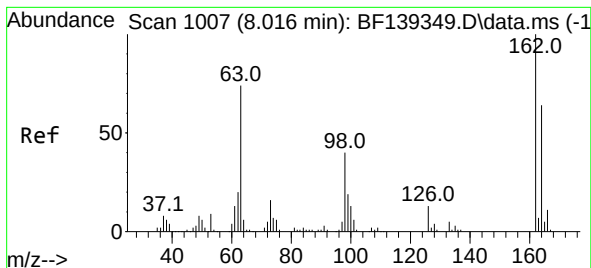
Delta R.T. -0.000 min

Lab File: BF139420.D

Acq: 18 Sep 2024 11:39

Tgt Ion: 93 Resp: 251293
 Ion Ratio Lower Upper
 93 100
 95 32.3 26.9 40.3
 123 11.3 10.0 15.0





#29
2,4-Dichlorophenol
Concen: 44.064 ng
RT: 8.022 min Scan# 1007
Delta R.T. 0.006 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

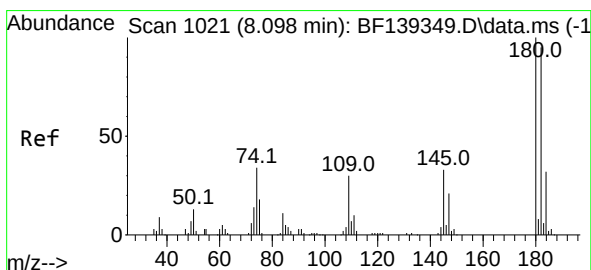
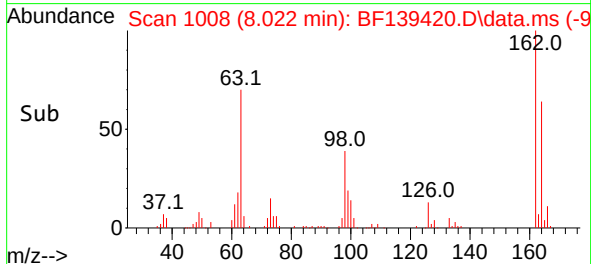
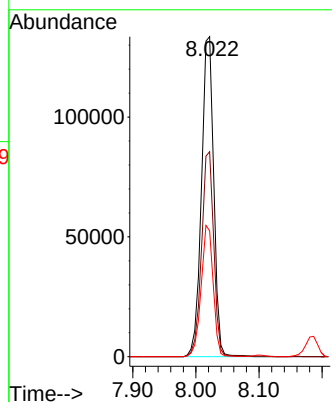
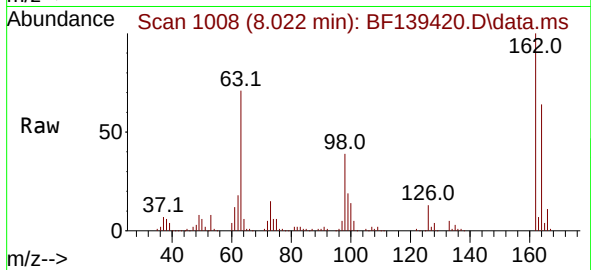
PB163323BS

Tgt Ion:162 Resp: 18112
Ion Ratio Lower Upper
162 100
164 64.0 43.6 83.6
98 39.4 19.7 59.7

Manual Integrations

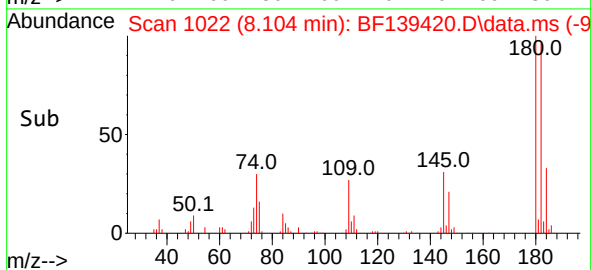
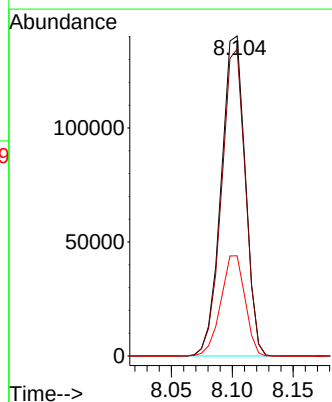
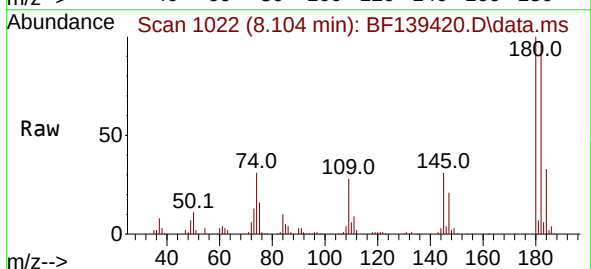
APPROVED

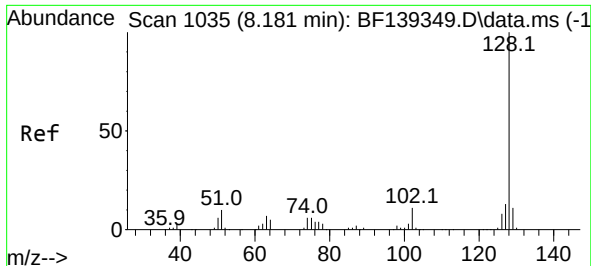
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#30
1,2,4-Trichlorobenzene
Concen: 40.366 ng
RT: 8.104 min Scan# 1022
Delta R.T. 0.006 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Tgt Ion:180 Resp: 193333
Ion Ratio Lower Upper
180 100
182 95.9 75.7 113.5
145 31.3 26.5 39.7





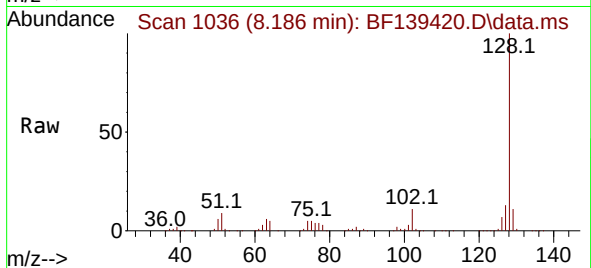
#31
Naphthalene
Concen: 42.354 ng
RT: 8.186 min Scan# 1035
Delta R.T. 0.006 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

PB163323BS

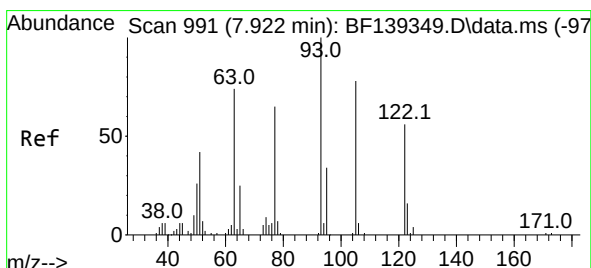
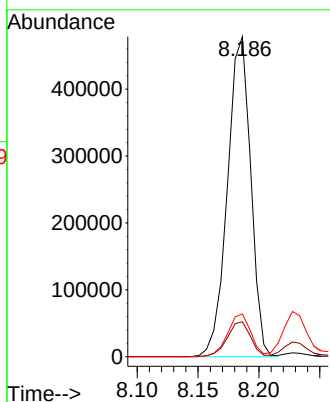
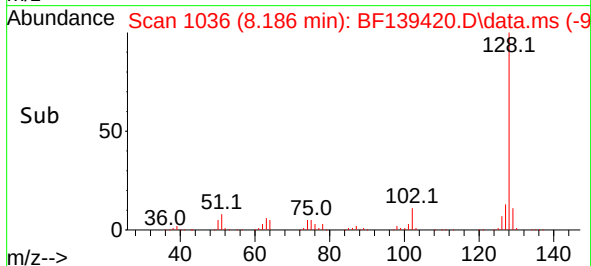


Tgt Ion:128 Resp: 635900
Ion Ratio Lower Upper
128 100
129 10.9 8.6 13.0
127 13.4 10.6 16.0

Manual Integrations

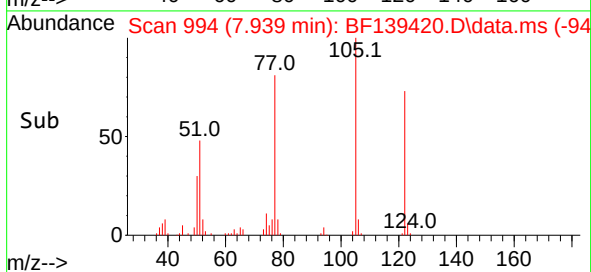
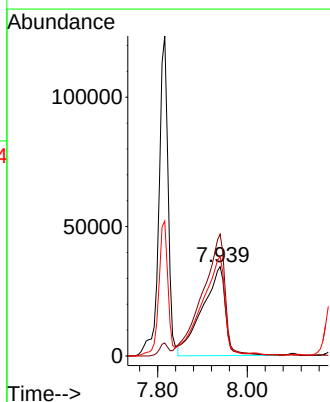
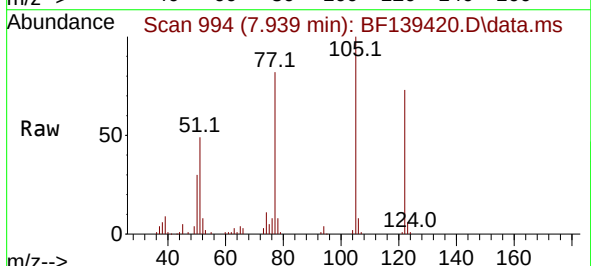
APPROVED

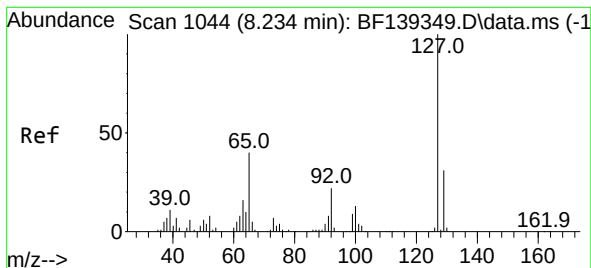
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#32
Benzoic acid
Concen: 40.449 ng
RT: 7.939 min Scan# 994
Delta R.T. 0.017 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Tgt Ion:122 Resp: 122481
Ion Ratio Lower Upper
122 100
105 136.5 117.1 157.1
77 111.6 95.4 135.4





#33
4-Chloroaniline
Concen: 22.539 ng
RT: 8.228 min Scan# 1043
Delta R.T. -0.006 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

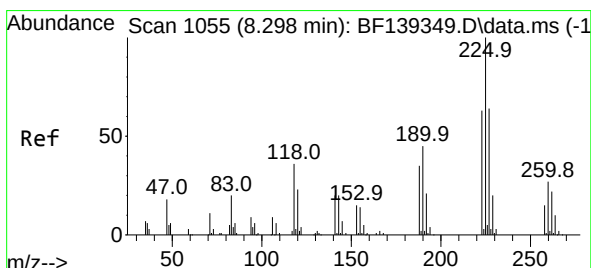
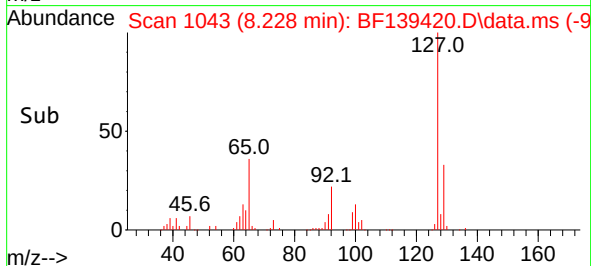
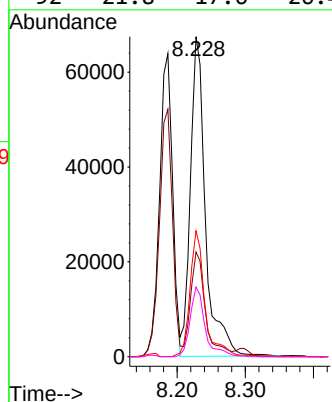
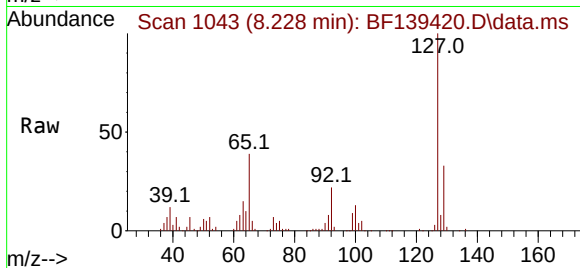
PB163323BS

Tgt Ion:127 Resp: 10352
Ion Ratio Lower Upper
127 100
129 32.7 25.5 38.3
65 39.3 31.5 47.3
92 21.8 17.6 26.4

Manual Integrations

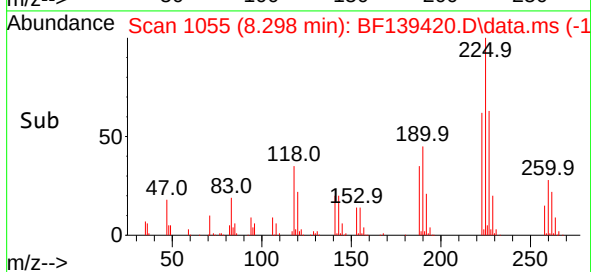
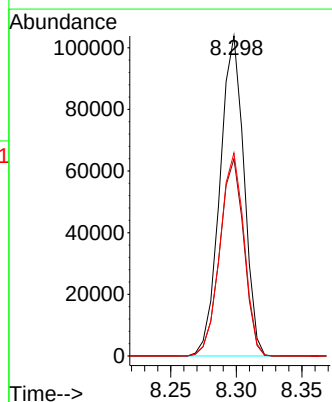
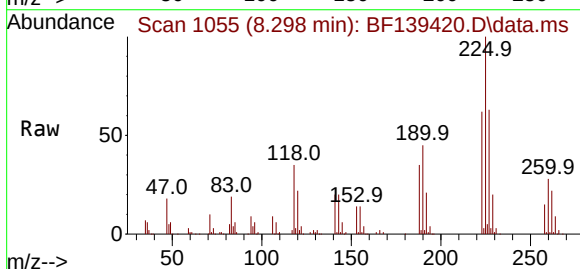
APPROVED

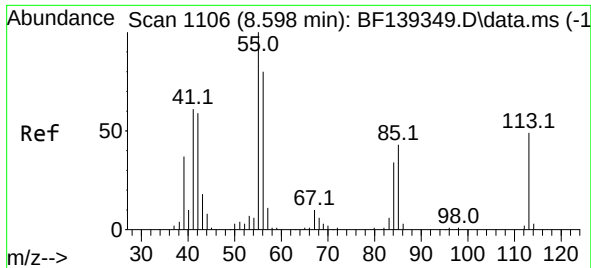
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#34
Hexachlorobutadiene
Concen: 40.648 ng
RT: 8.298 min Scan# 1055
Delta R.T. -0.000 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Tgt Ion:225 Resp: 132265
Ion Ratio Lower Upper
225 100
223 61.6 50.1 75.1
227 63.4 51.0 76.6





#35
Caprolactam
Concen: 44.062 ng m
RT: 8.604 min Scan# 1106
Delta R.T. 0.006 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

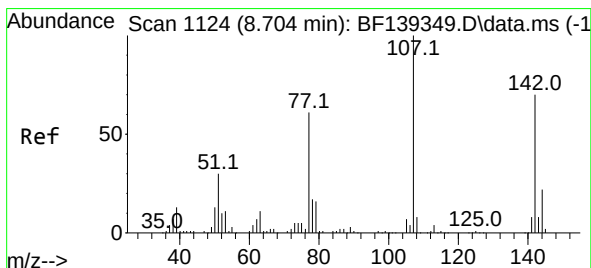
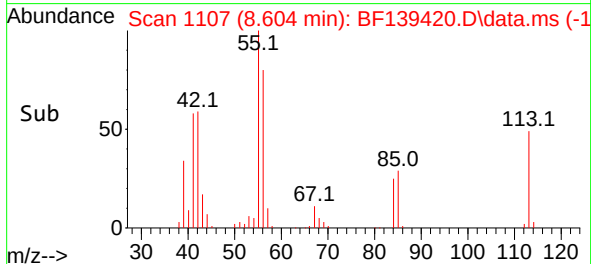
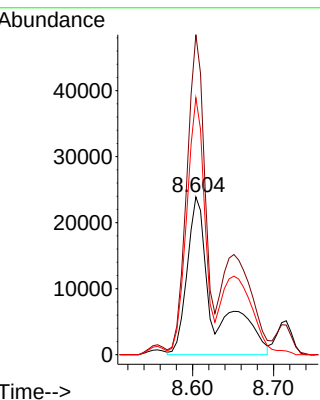
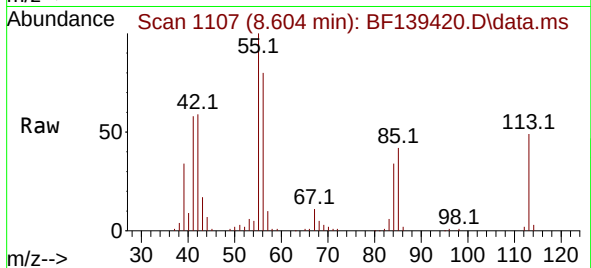
PB163323BS

Tgt Ion:113 Resp: 55715
Ion Ratio Lower Upper
113 100
55 202.7 186.1 226.1
56 162.8 144.9 184.9

Manual Integrations

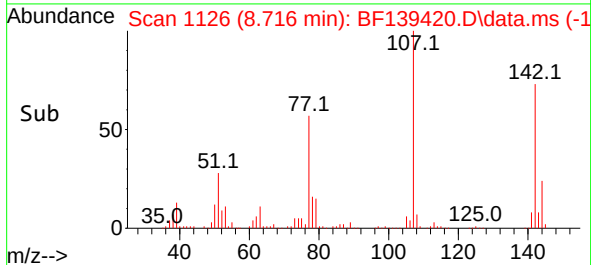
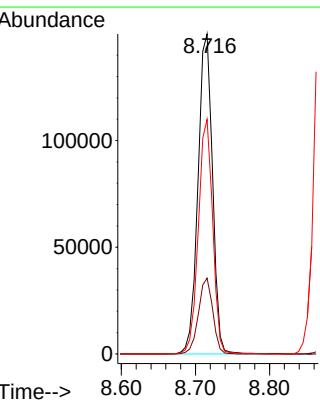
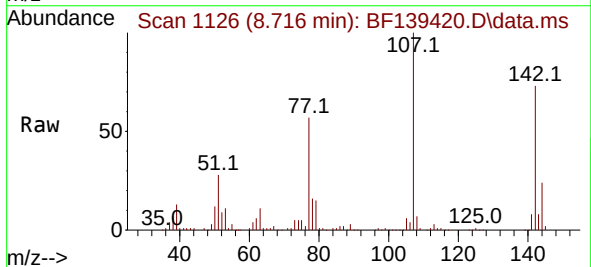
APPROVED

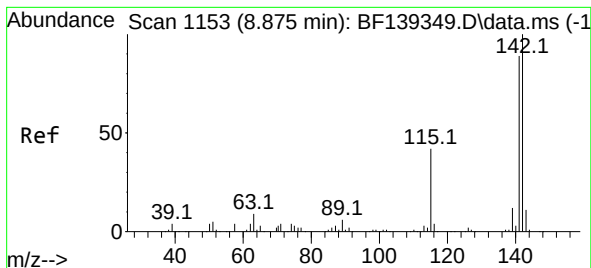
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#36
4-Chloro-3-methylphenol
Concen: 43.442 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.011 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Tgt Ion:107 Resp: 204080
Ion Ratio Lower Upper
107 100
144 23.7 17.5 26.3
142 73.3 55.8 83.8





#37

2-Methylnaphthalene

Concen: 43.346 ng

RT: 8.875 min Scan# 1153

Delta R.T. -0.000 min

Lab File: BF139420.D

Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

PB163323BS

Tgt Ion:142 Resp: 41308

Ion Ratio Lower Upper

142 100

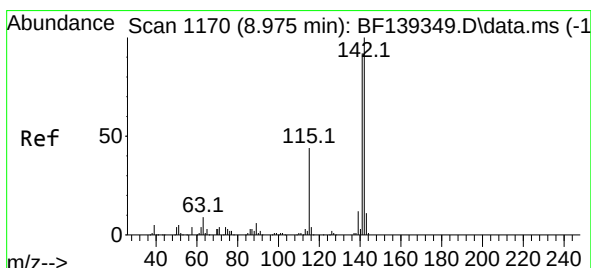
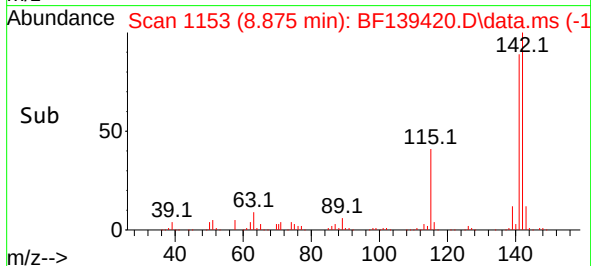
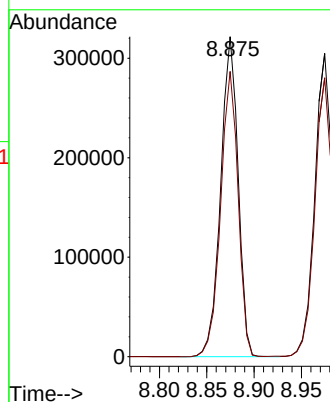
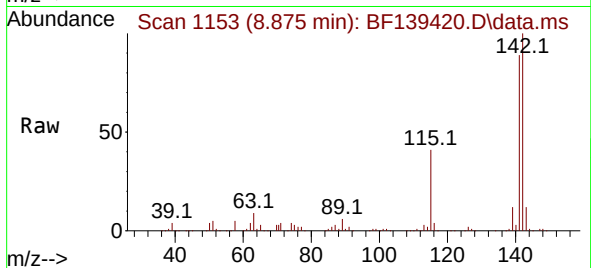
141 89.2 71.6 107.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2024

Supervised By :mohammad ahmed 09/20/2024



#38

1-Methylnaphthalene

Concen: 41.573 ng

RT: 8.975 min Scan# 1170

Delta R.T. -0.000 min

Lab File: BF139420.D

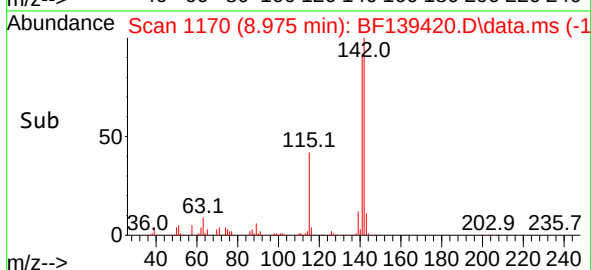
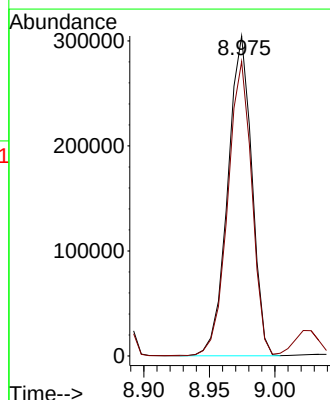
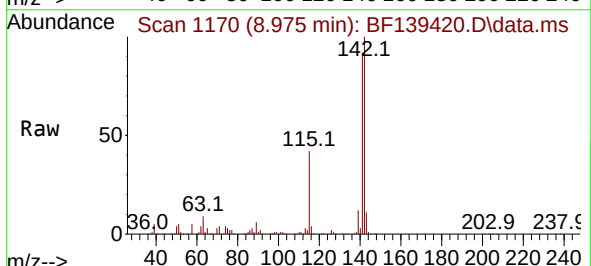
Acq: 18 Sep 2024 11:39

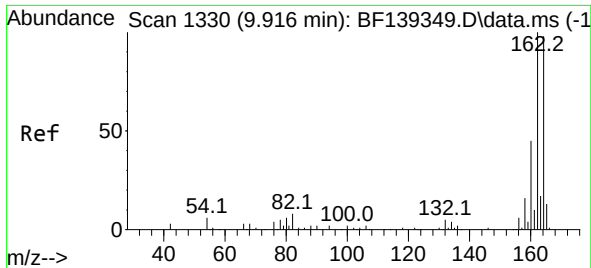
Tgt Ion:142 Resp: 388960

Ion Ratio Lower Upper

142 100

141 92.0 73.2 109.8





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1180
Delta R.T. -0.000 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

PB163323BS

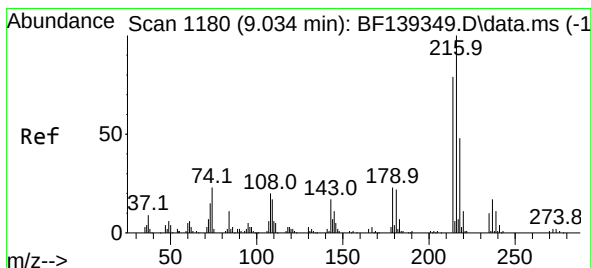
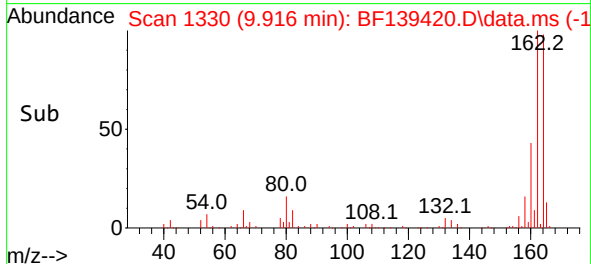
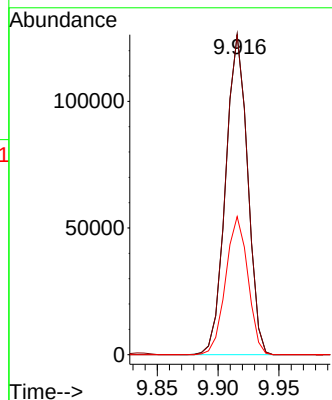
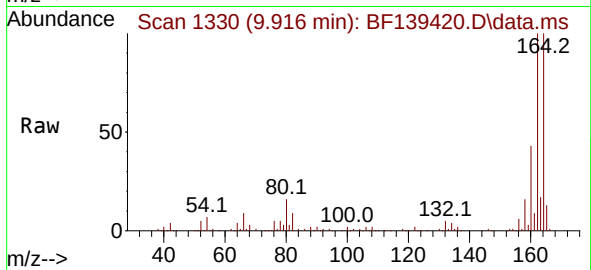
Tgt Ion:164 Resp: 15851
Ion Ratio Lower Upper
164 100
162 99.9 81.3 121.9
160 43.1 36.4 54.6

Manual Integrations

APPROVED

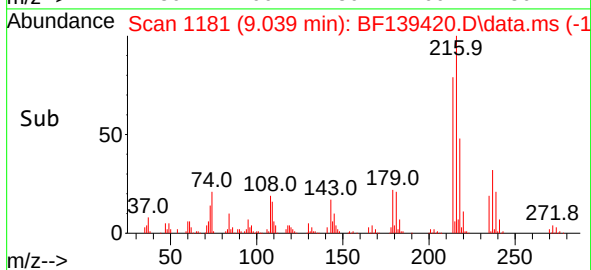
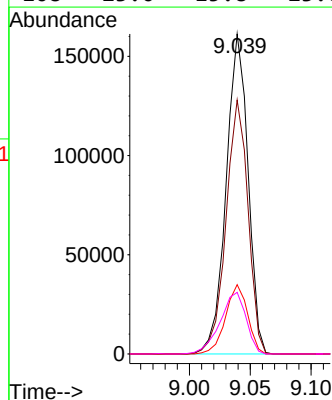
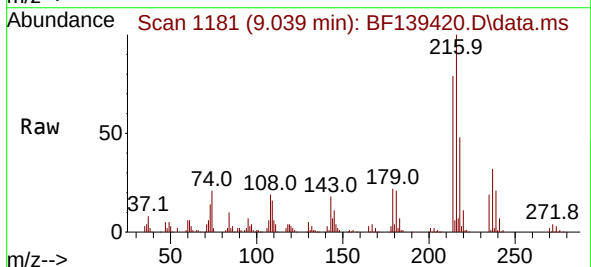
Reviewed By :Yogesh Patel 09/19/2024

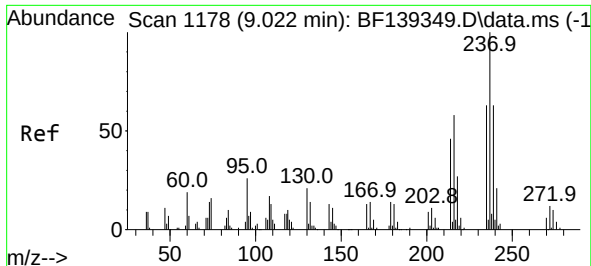
Supervised By :mohammad ahmed 09/20/2024



#40
1,2,4,5-Tetrachlorobenzene
Concen: 42.921 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.006 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

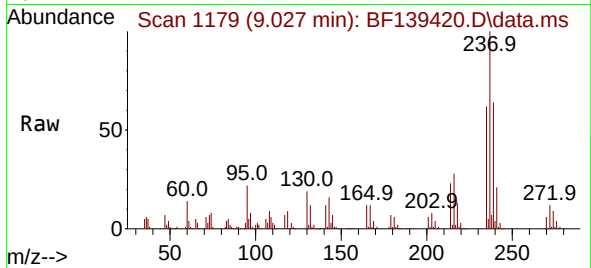
Tgt Ion:216 Resp: 201633
Ion Ratio Lower Upper
216 100
214 79.6 63.4 95.0
179 21.8 18.2 27.2
108 23.0 15.8 23.6





#41
Hexachlorocyclopentadiene
Concen: 164.393 ng
RT: 9.027 min Scan# 1178
Delta R.T. 0.006 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

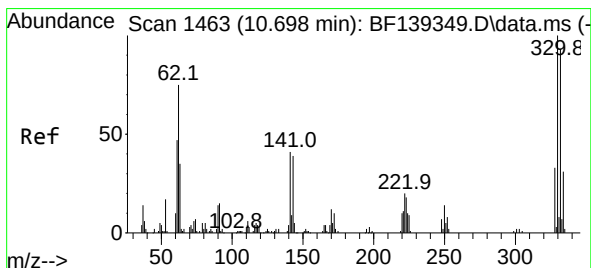
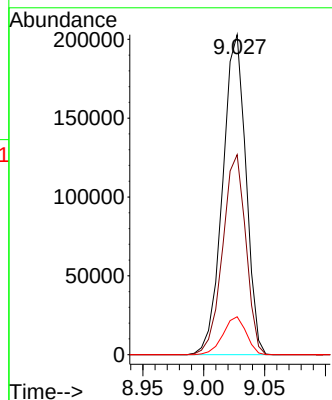
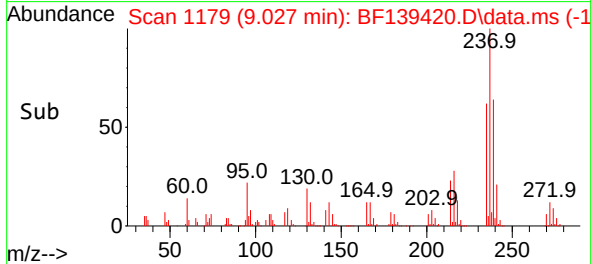
Instrument :
BNA_F
ClientSampleId :
PB163323BS



Tgt Ion:237 Resp: 269649
Ion Ratio Lower Upper
237 100
235 62.5 42.7 82.7
272 11.9 0.0 32.5

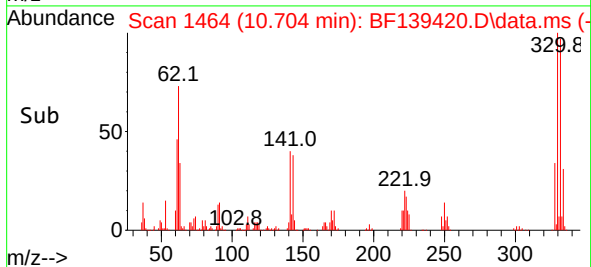
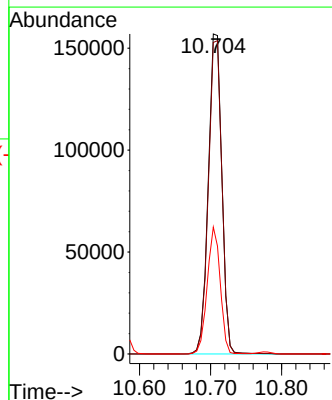
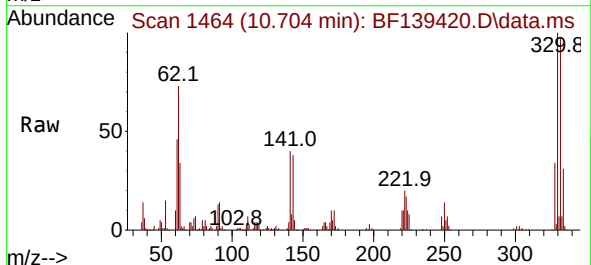
Manual Integrations
APPROVED

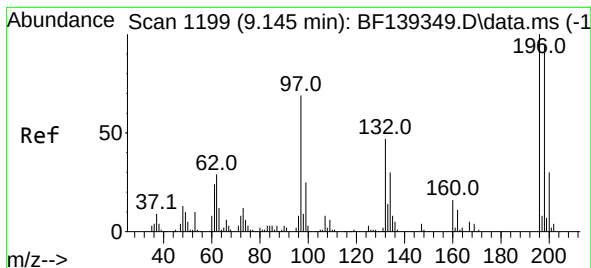
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#42
2,4,6-Tribromophenol
Concen: 123.378 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.006 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Tgt Ion:330 Resp: 208207
Ion Ratio Lower Upper
330 100
332 97.7 75.2 112.8
141 38.1 31.2 46.8





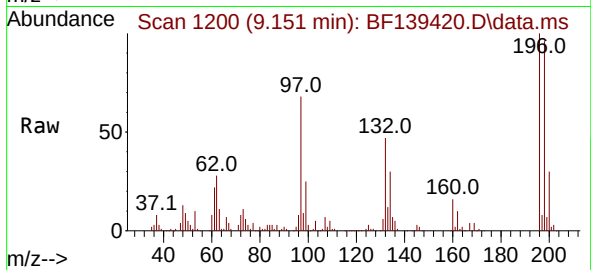
#43
2,4,6-Trichlorophenol
Concen: 45.498 ng
RT: 9.151 min Scan# 1199
Delta R.T. 0.006 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

PB163323BS

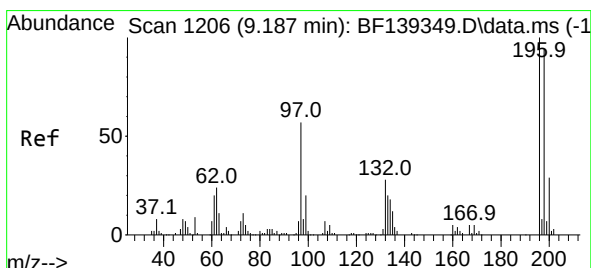
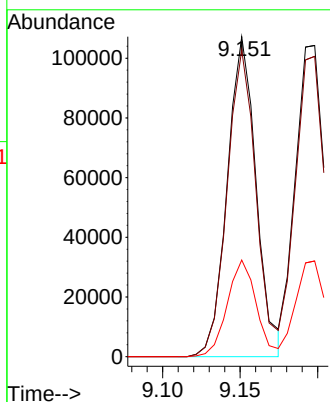
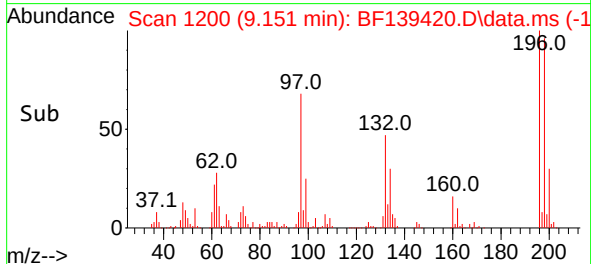


Tgt Ion:196 Resp: 139058
Ion Ratio Lower Upper
196 100
198 95.9 75.8 113.6
200 30.2 24.1 36.1

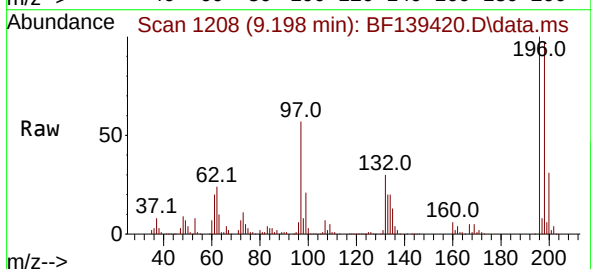
Manual Integrations

APPROVED

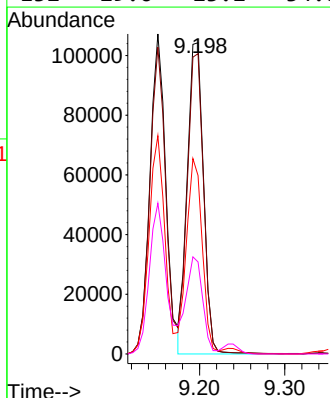
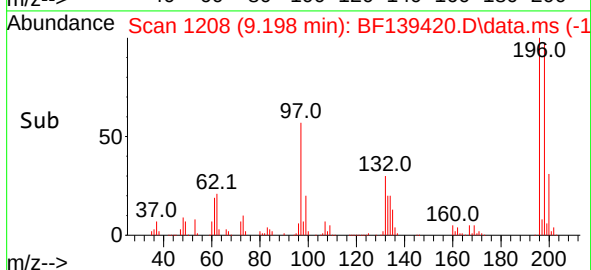
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

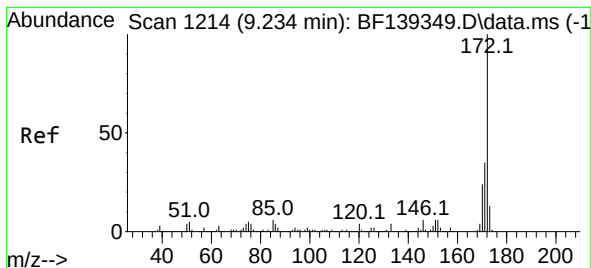


#44
2,4,5-Trichlorophenol
Concen: 42.994 ng
RT: 9.198 min Scan# 1208
Delta R.T. 0.011 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39



Tgt Ion:196 Resp: 138610
Ion Ratio Lower Upper
196 100
198 96.5 74.8 112.2
97 57.4 47.3 70.9
132 29.6 23.2 34.8





#45

2-Fluorobiphenyl

Concen: 83.731 ng

RT: 9.239 min Scan# 1215

Delta R.T. 0.006 min

Lab File: BF139420.D

Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

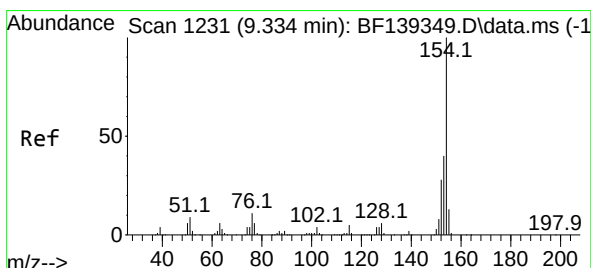
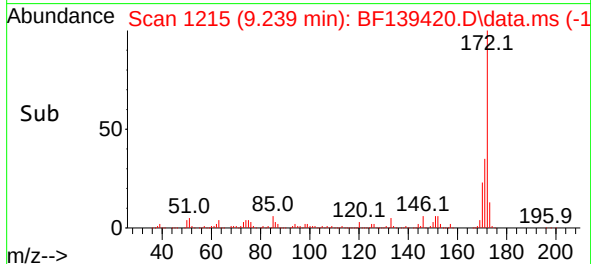
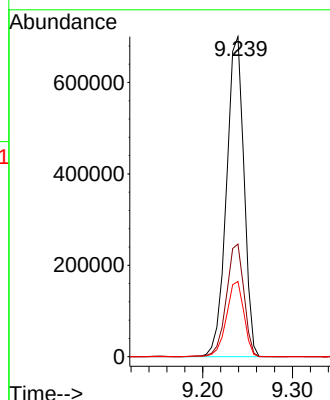
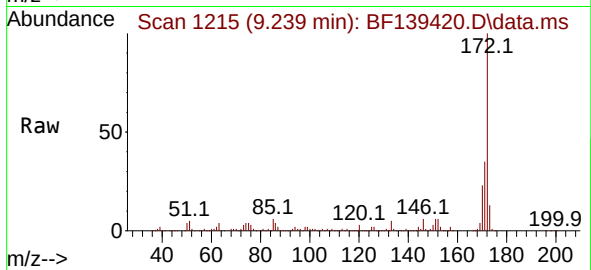
PB163323BS

Tgt Ion:172 Resp: 946320
 Ion Ratio Lower Upper
 172 100
 171 35.2 28.3 42.5
 170 23.5 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2024
 Supervised By :mohammad ahmed 09/20/2024



#46

1,1'-Biphenyl

Concen: 43.221 ng

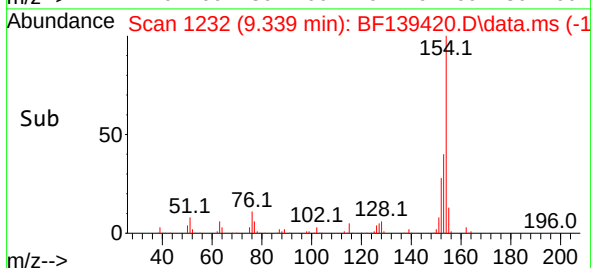
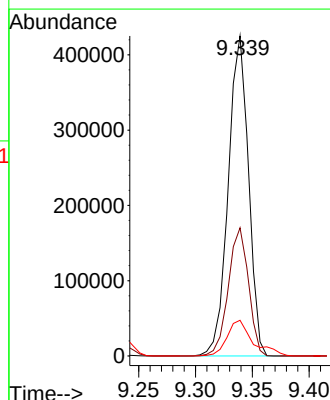
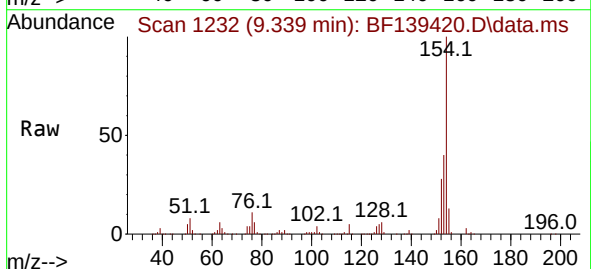
RT: 9.339 min Scan# 1232

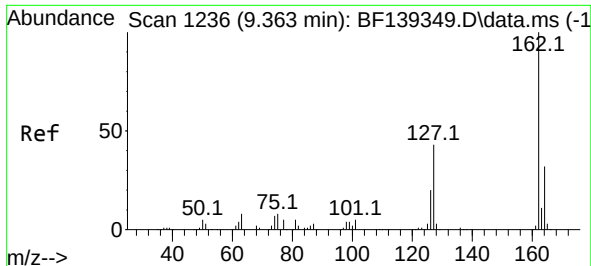
Delta R.T. 0.006 min

Lab File: BF139420.D

Acq: 18 Sep 2024 11:39

Tgt Ion:154 Resp: 527071
 Ion Ratio Lower Upper
 154 100
 153 40.1 20.1 60.1
 76 11.2 0.0 31.1





#47

2-Chloronaphthalene

Concen: 42.385 ng

RT: 9.363 min Scan# 1236

Delta R.T. -0.000 min

Lab File: BF139420.D

Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

PB163323BS

Tgt Ion:162 Resp: 38646

Ion Ratio Lower Upper

162 100

127 45.1 35.0 52.4

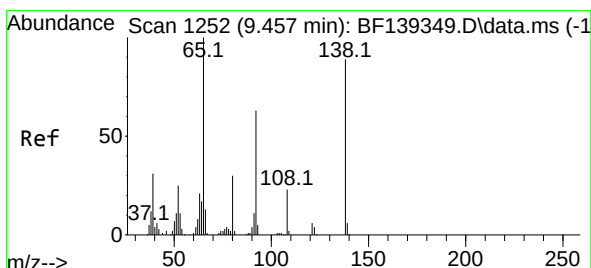
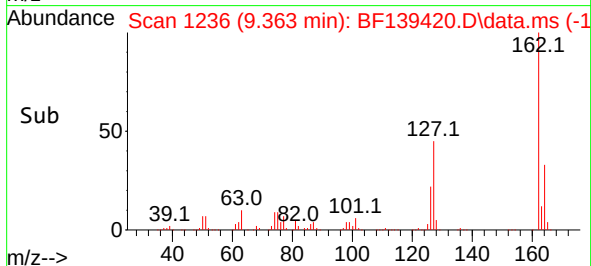
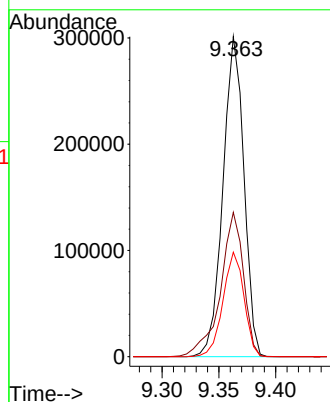
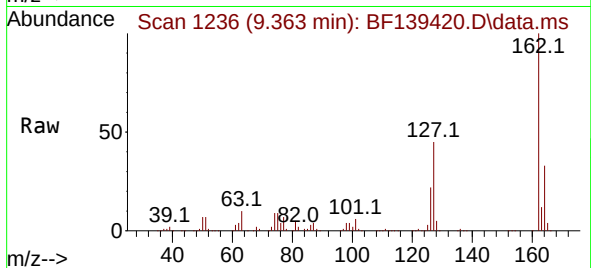
164 32.7 25.8 38.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2024

Supervised By :mohammad ahmed 09/20/2024



#48

2-Nitroaniline

Concen: 44.211 ng

RT: 9.457 min Scan# 1252

Delta R.T. -0.000 min

Lab File: BF139420.D

Acq: 18 Sep 2024 11:39

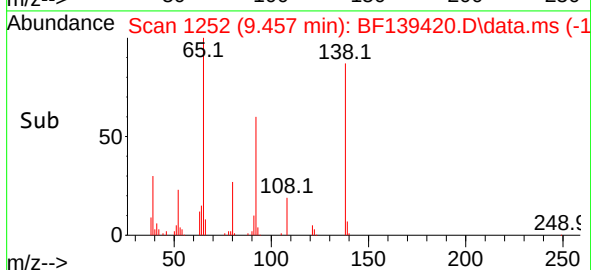
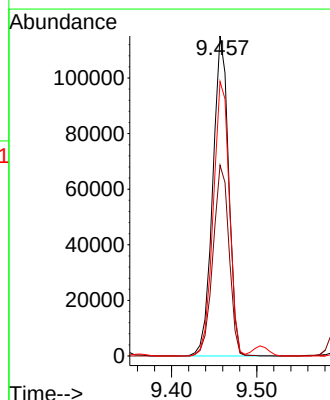
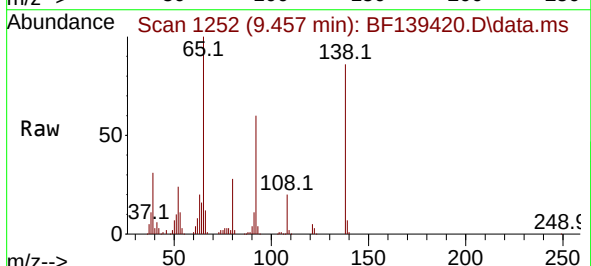
Tgt Ion: 65 Resp: 149938

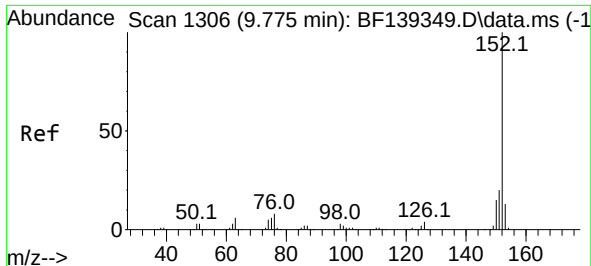
Ion Ratio Lower Upper

65 100

92 59.6 50.3 75.5

138 85.8 71.3 106.9





#49
Acenaphthylene
Concen: 46.207 ng
RT: 9.780 min Scan# 1306
Delta R.T. 0.005 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

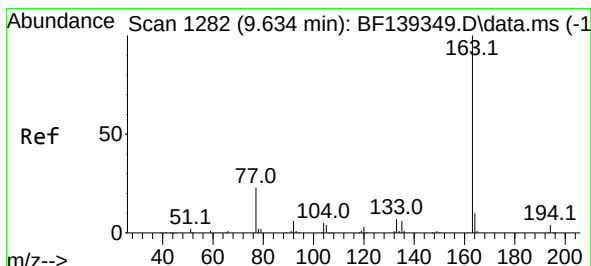
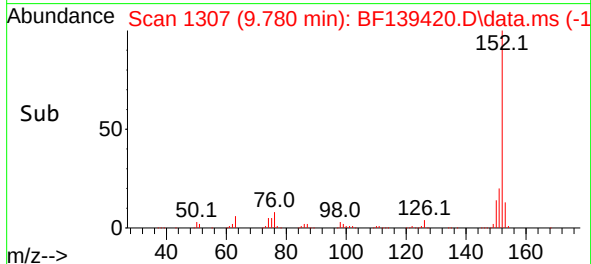
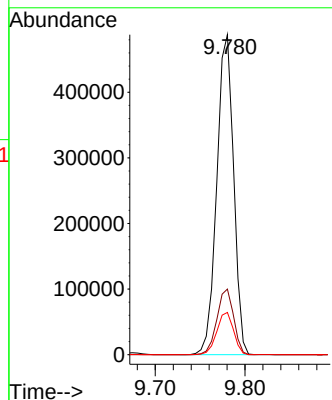
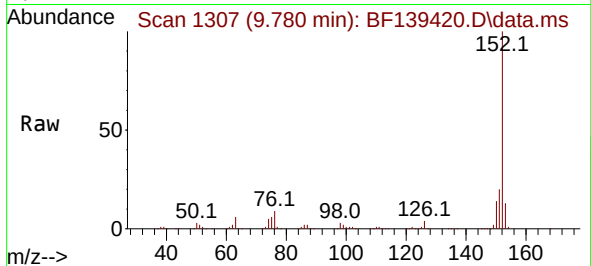
ClientSampleId :

PB163323BS

Tgt Ion:152 Resp: 63420
Ion Ratio Lower Upper
152 100
151 20.5 16.2 24.2
153 13.2 10.3 15.5

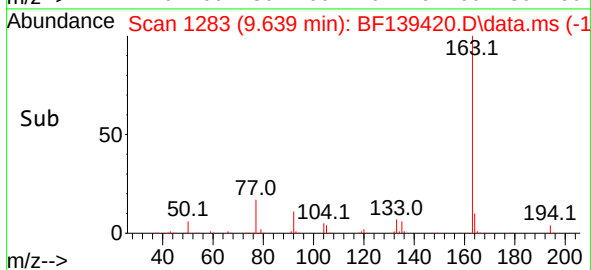
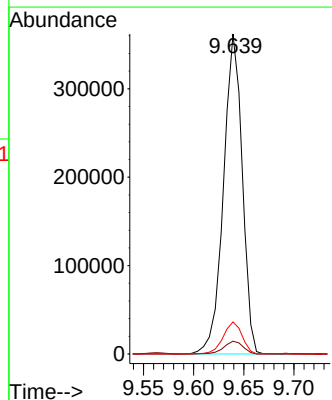
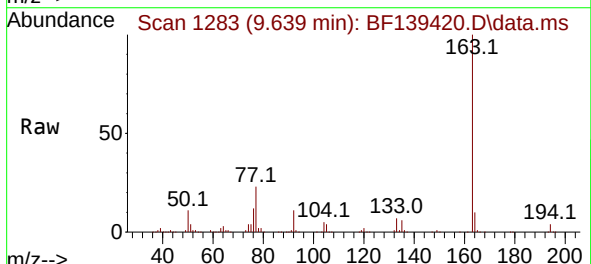
Manual Integrations
APPROVED

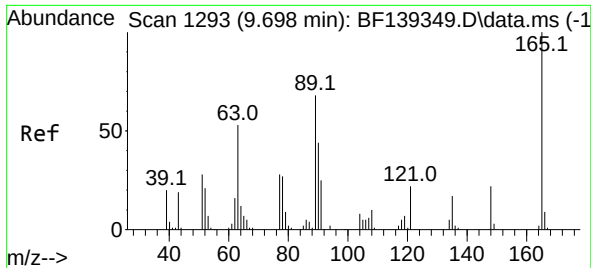
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#50
Dimethylphthalate
Concen: 45.149 ng
RT: 9.639 min Scan# 1283
Delta R.T. 0.006 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Tgt Ion:163 Resp: 469719
Ion Ratio Lower Upper
163 100
194 4.0 3.1 4.7
164 10.0 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 43.729 ng
RT: 9.704 min Scan# 1294
Delta R.T. 0.006 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

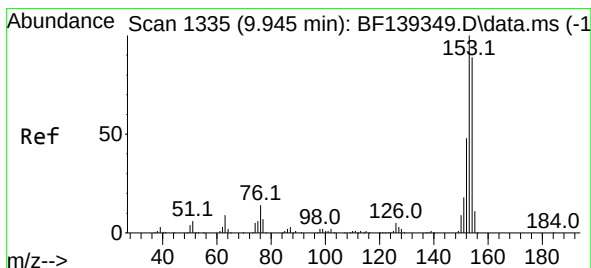
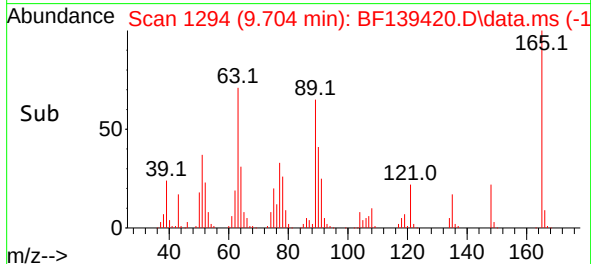
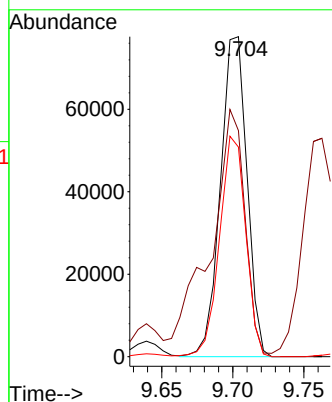
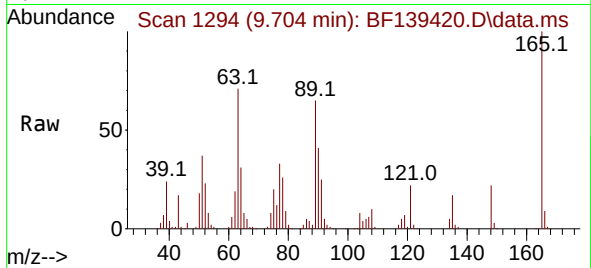
PB163323BS

Tgt Ion:165 Resp: 100780
Ion Ratio Lower Upper
165 100
63 70.7 60.9 91.3
89 65.5 54.7 82.1

Manual Integrations

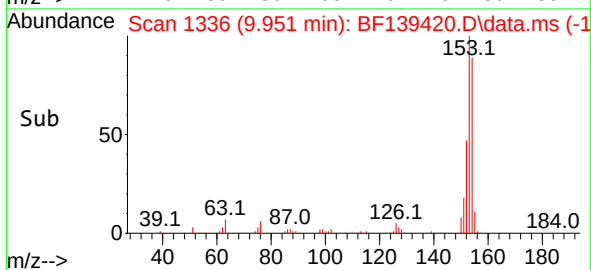
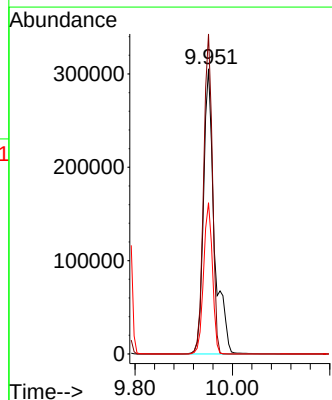
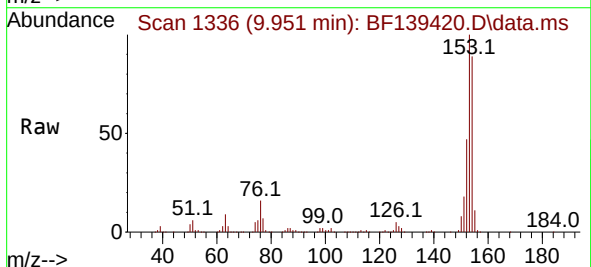
APPROVED

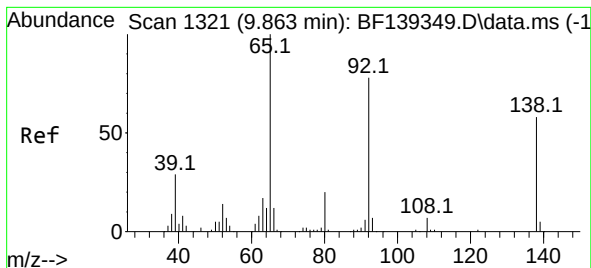
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#52
Acenaphthene
Concen: 49.410 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Tgt Ion:154 Resp: 473313
Ion Ratio Lower Upper
154 100
153 112.3 89.5 134.3
152 53.1 42.6 64.0





#53

3-Nitroaniline

Concen: 27.700 ng

RT: 9.869 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF139420.D

Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

PB163323BS

Tgt Ion:138 Resp: 6380

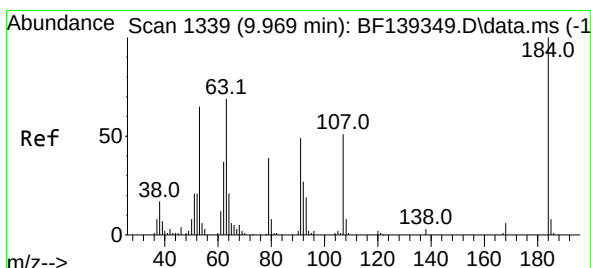
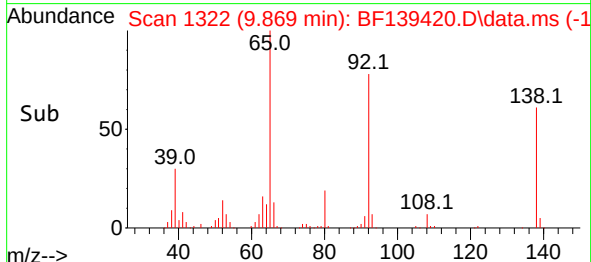
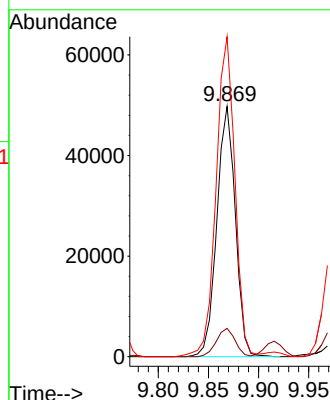
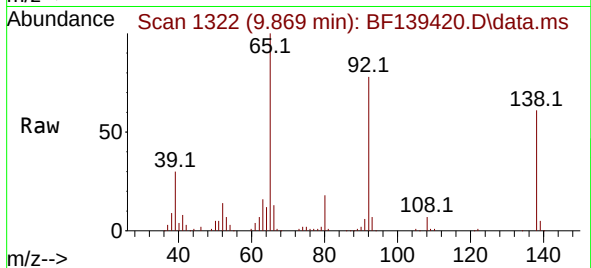
Ion	Ratio	Lower	Upper
138	100		
108	11.3	9.8	14.8
92	127.9	107.4	161.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2024

Supervised By :mohammad ahmed 09/20/2024



#54

2,4-Dinitrophenol

Concen: 95.454 ng

RT: 9.974 min Scan# 1340

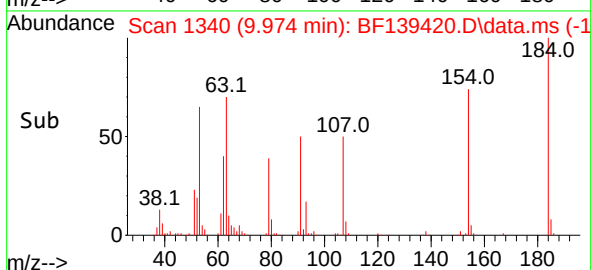
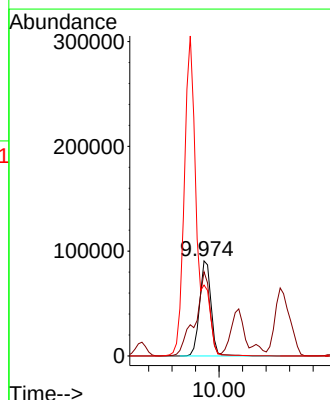
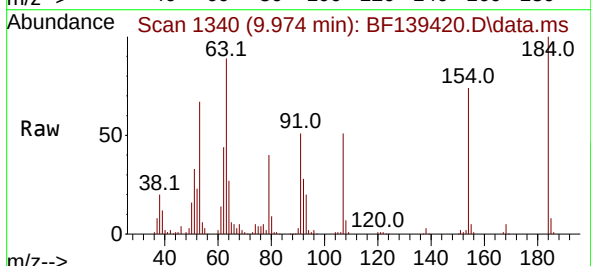
Delta R.T. 0.005 min

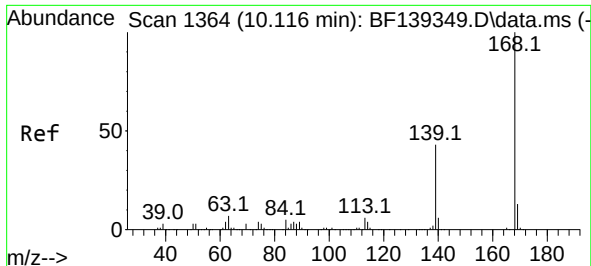
Lab File: BF139420.D

Acq: 18 Sep 2024 11:39

Tgt Ion:184 Resp: 122589

Ion	Ratio	Lower	Upper
184	100		
63	88.6	69.3	103.9
154	74.5	67.5	101.3





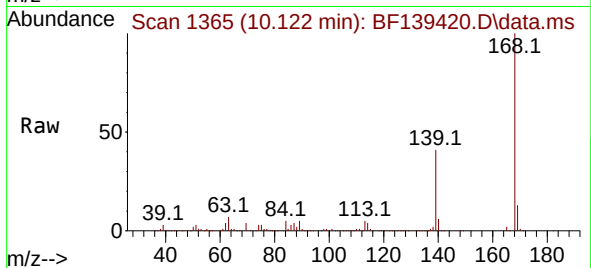
#55
Dibenzofuran
Concen: 44.039 ng
RT: 10.122 min Scan# 1365
Delta R.T. 0.006 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

PB163323BS



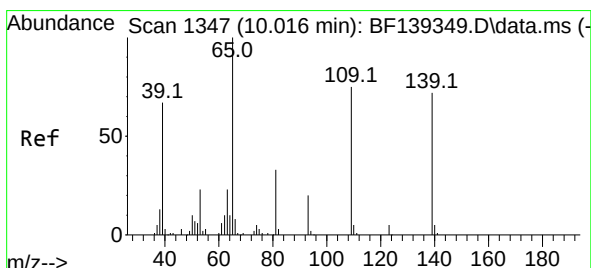
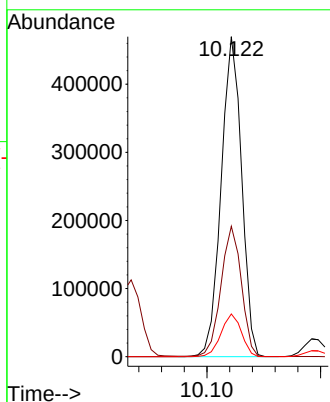
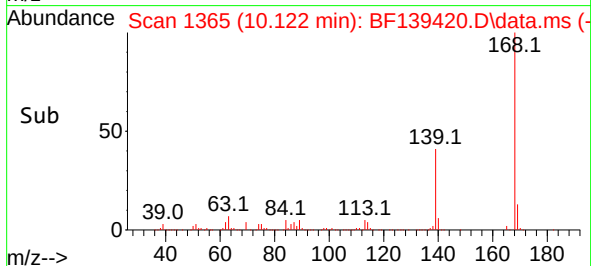
Tgt Ion:168 Resp: 587990
Ion Ratio Lower Upper
168 100
139 40.8 34.1 51.1
169 13.3 10.5 15.7

Manual Integrations

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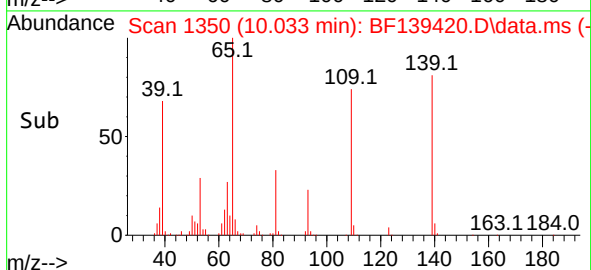
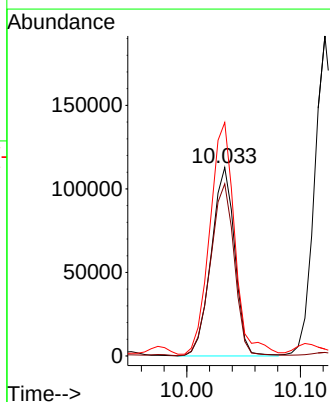
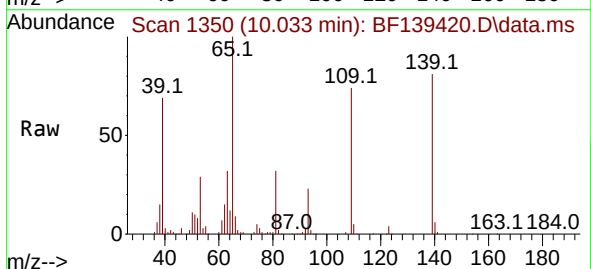
Reviewed By :Yogesh Patel 09/19/2024

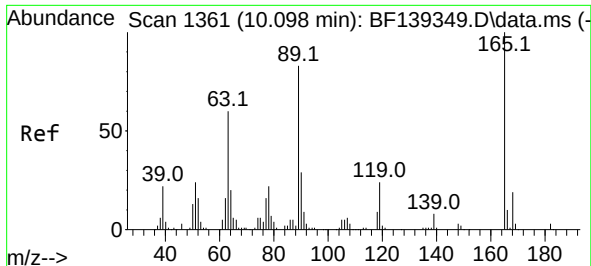
Supervised By :mohammad ahmed 09/20/2024



#56
4-Nitrophenol
Concen: 85.252 ng
RT: 10.033 min Scan# 1350
Delta R.T. 0.017 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Tgt Ion:139 Resp: 162482
Ion Ratio Lower Upper
139 100
109 91.3 84.1 124.1
65 123.8 120.0 160.0





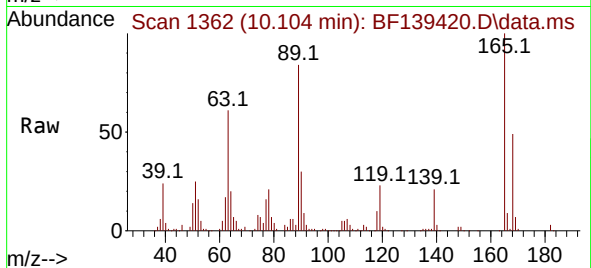
#57
2,4-Dinitrotoluene
Concen: 43.494 ng
RT: 10.104 min Scan# 1362
Delta R.T. 0.006 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

PB163323BS

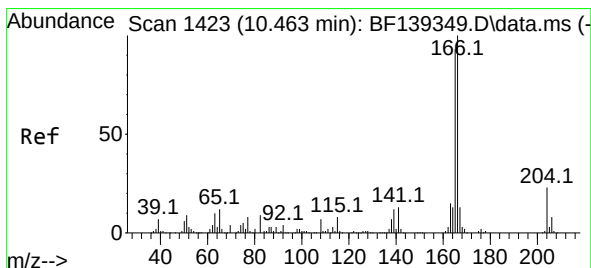
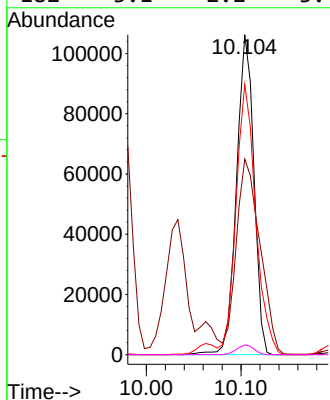
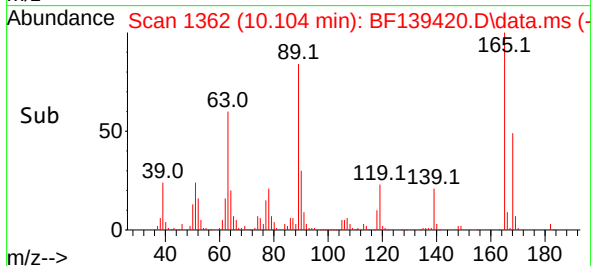


Tgt Ion:165 Resp: 13533
Ion Ratio Lower Upper
165 100
63 61.1 47.8 71.6
89 84.4 66.7 100.1
182 3.1 2.2 3.4

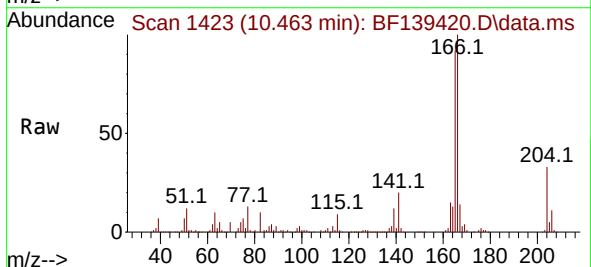
Manual Integrations

APPROVED

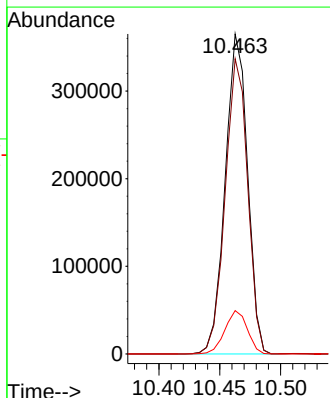
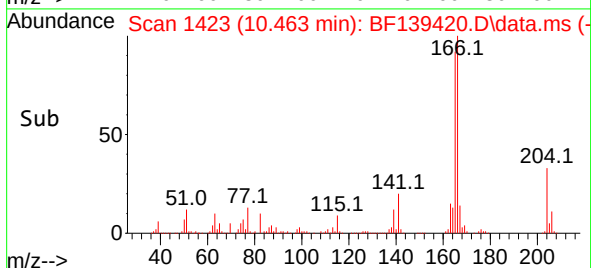
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

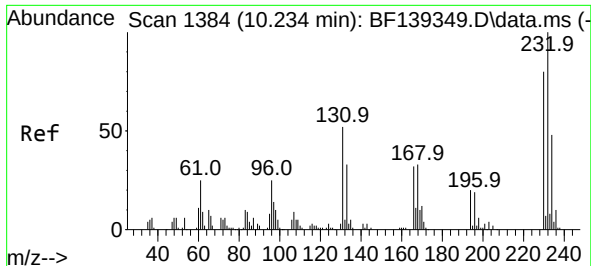


#58
Fluorene
Concen: 42.891 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.000 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39



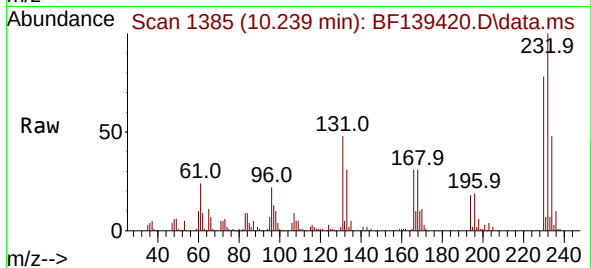
Tgt Ion:166 Resp: 467246
Ion Ratio Lower Upper
166 100
165 92.3 74.5 111.7
167 13.6 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 45.279 ng
RT: 10.239 min Scan# 1385
Delta R.T. 0.006 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

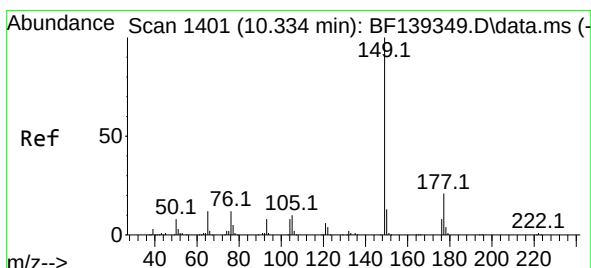
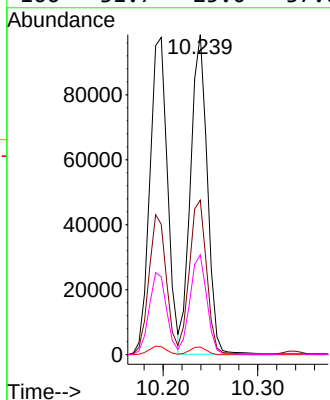
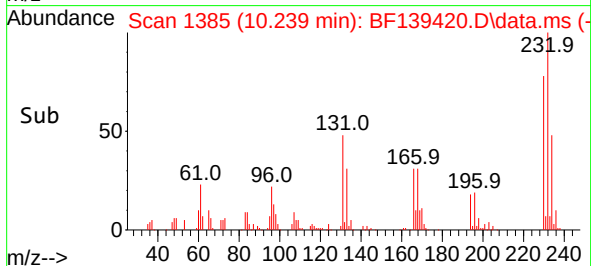
Instrument :
BNA_F
ClientSampleId :
PB163323BS



Tgt Ion:232 Resp: 12075
Ion Ratio Lower Upper
232 100
131 50.0 40.7 61.1
130 2.4 2.2 3.2
166 31.7 25.0 37.6

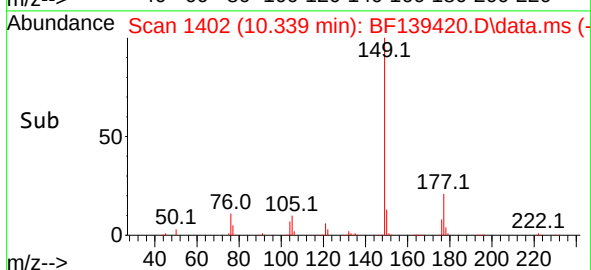
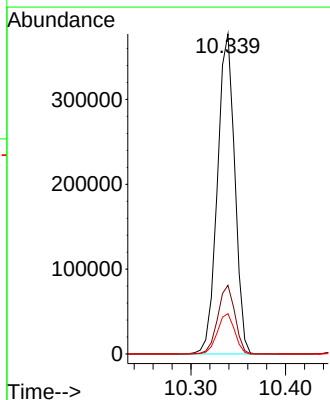
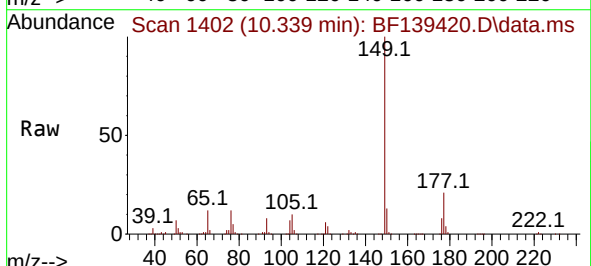
Manual Integrations
APPROVED

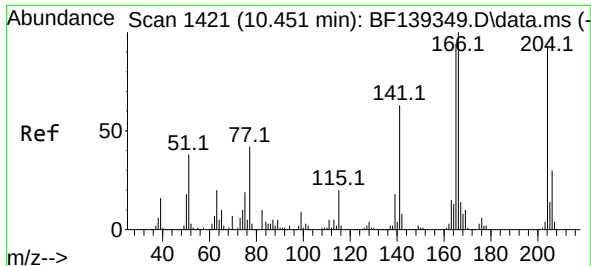
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#60
Diethylphthalate
Concen: 44.819 ng
RT: 10.339 min Scan# 1402
Delta R.T. 0.006 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

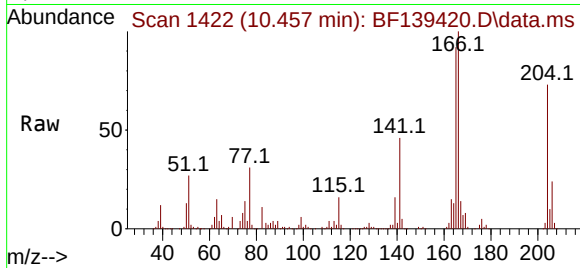
Tgt Ion:149 Resp: 481189
Ion Ratio Lower Upper
149 100
177 21.4 16.6 24.8
150 12.6 10.6 15.8





#61
4-Chlorophenyl-phenylether
Concen: 43.234 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

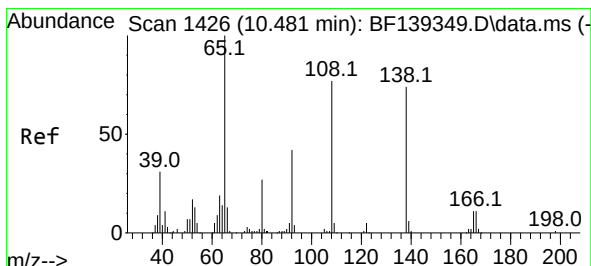
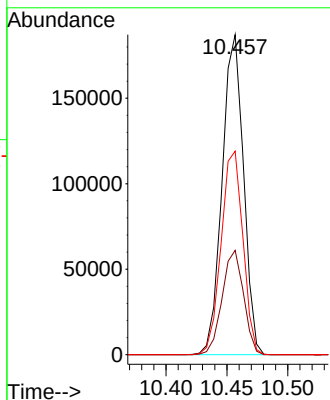
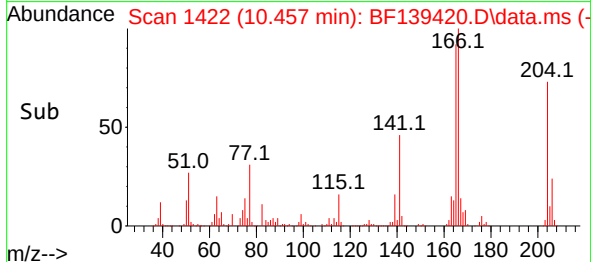
Instrument :
BNA_F
ClientSampleId :
PB163323BS



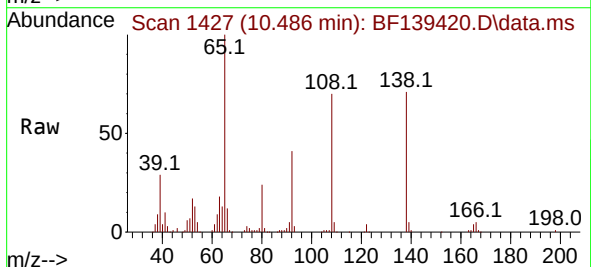
Tgt Ion:204 Resp: 22889
Ion Ratio Lower Upper
204 100
206 32.6 26.2 39.2
141 63.6 53.9 80.9

Manual Integrations
APPROVED

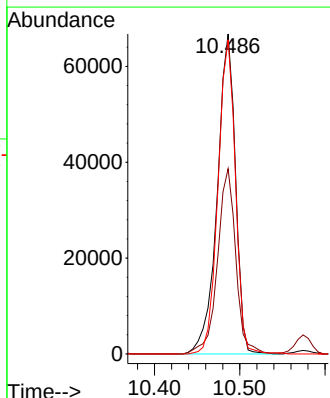
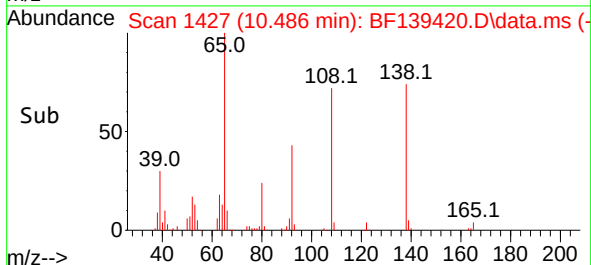
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

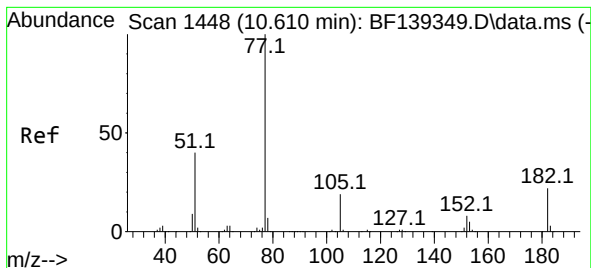


#62
4-Nitroaniline
Concen: 39.453 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39



Tgt Ion:138 Resp: 99178
Ion Ratio Lower Upper
138 100
92 57.9 37.0 77.0
108 98.2 84.4 124.4





#63

Azobenzene

Concen: 45.276 ng

RT: 10.616 min Scan# 1448

Delta R.T. 0.006 min

Lab File: BF139420.D

Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

PB163323BS

Tgt Ion: 77 Resp: 478109

Ion Ratio Lower Upper

77 100

182 23.6 1.8 41.8

105 19.0 0.0 38.6

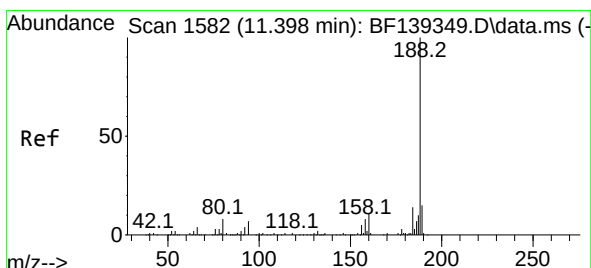
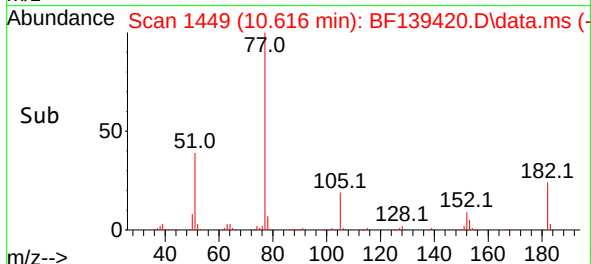
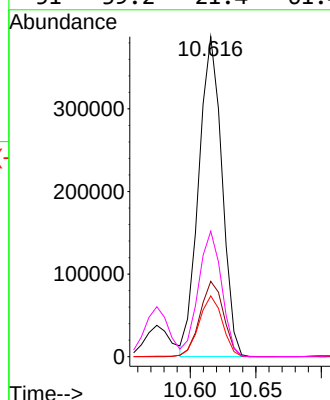
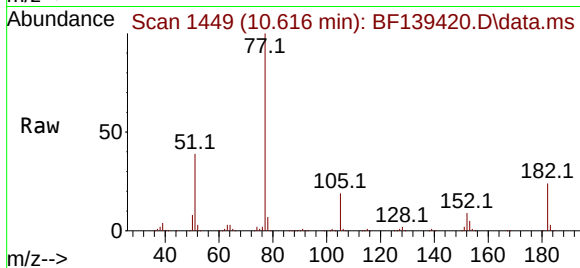
51 39.2 21.4 61.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2024

Supervised By :mohammad ahmed 09/20/2024



#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 11.398 min Scan# 1582

Delta R.T. -0.000 min

Lab File: BF139420.D

Acq: 18 Sep 2024 11:39

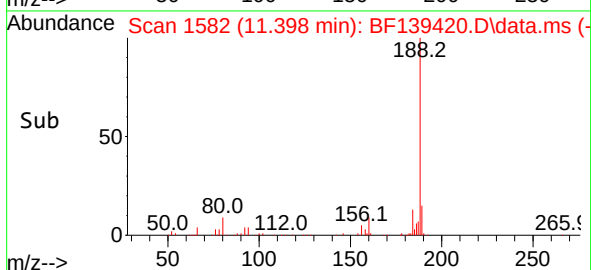
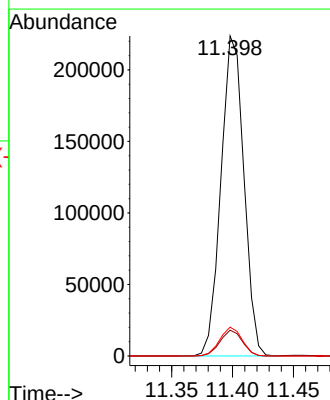
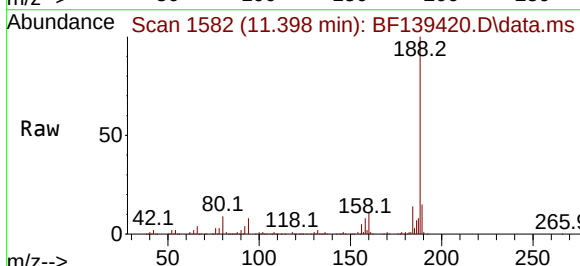
Tgt Ion:188 Resp: 293215

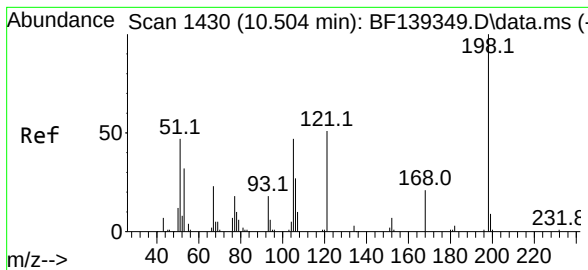
Ion Ratio Lower Upper

188 100

94 8.1 5.5 8.3

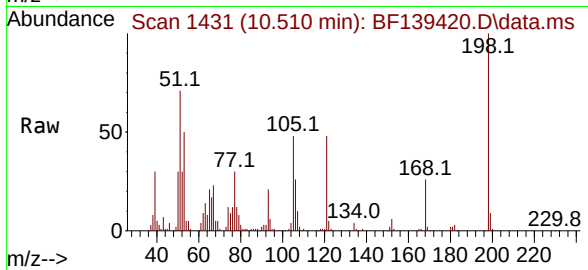
80 9.0 6.6 9.8





#65
4,6-Dinitro-2-methylphenol
Concen: 48.759 ng
RT: 10.510 min Scan# 1431
Delta R.T. 0.006 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

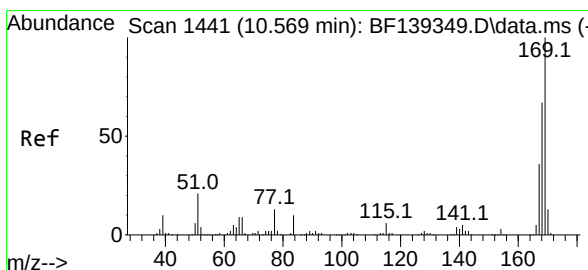
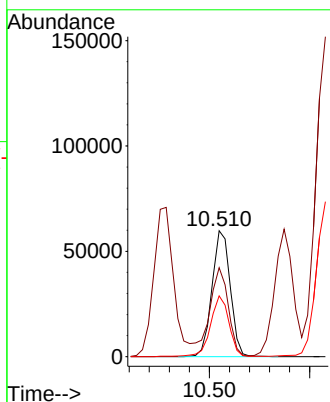
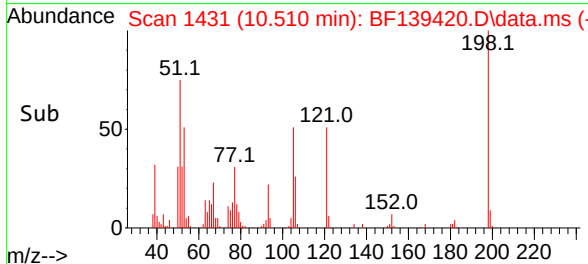
Instrument :
BNA_F
ClientSampleId :
PB163323BS



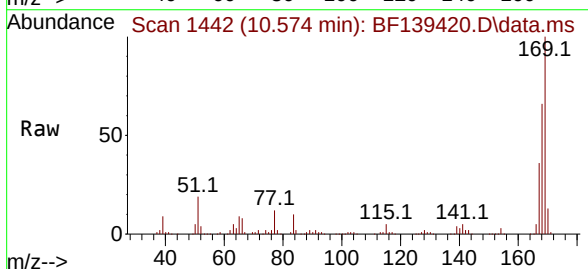
Tgt Ion:198 Resp: 75456
Ion Ratio Lower Upper
198 100
51 70.7 50.4 90.4
105 48.4 28.3 68.3

Manual Integrations
APPROVED

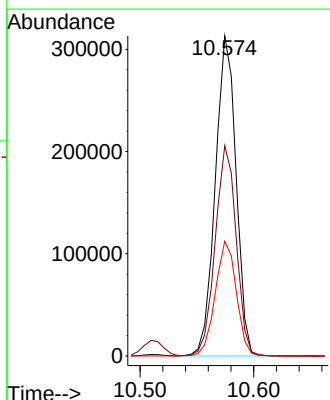
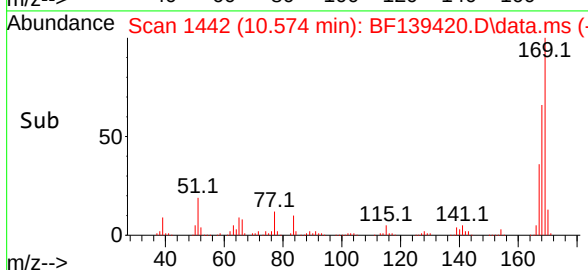
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

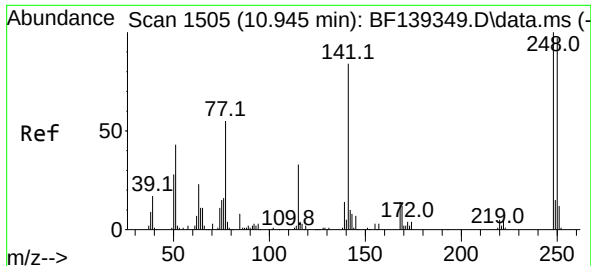


#66
n-Nitrosodiphenylamine
Concen: 46.416 ng
RT: 10.574 min Scan# 1442
Delta R.T. 0.006 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39



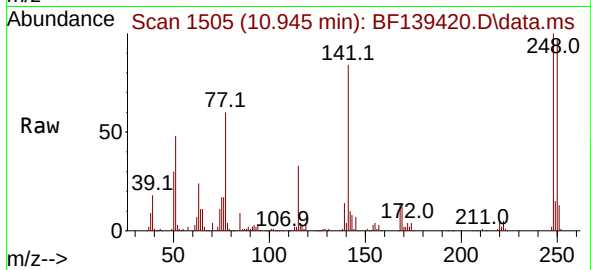
Tgt Ion:169 Resp: 397906
Ion Ratio Lower Upper
169 100
168 65.7 53.6 80.4
167 35.9 28.7 43.1





#67
4-Bromophenyl-phenylether
Concen: 46.195 ng
RT: 10.945 min Scan# 1505
Delta R.T. -0.000 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

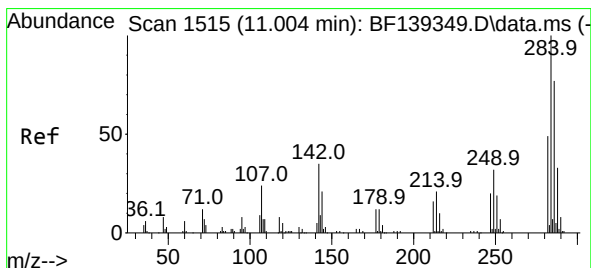
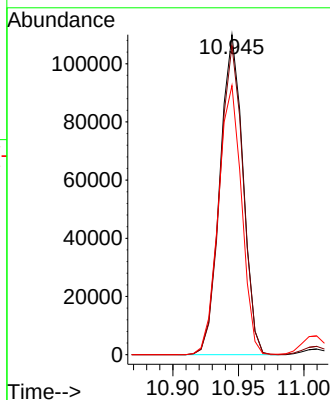
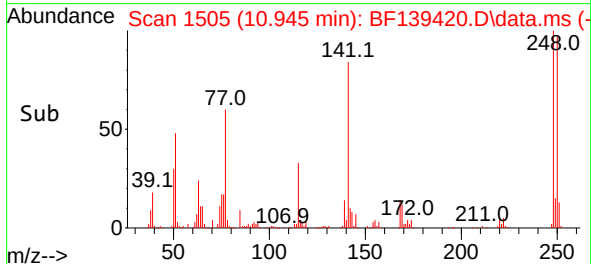
Instrument :
BNA_F
ClientSampleId :
PB163323BS



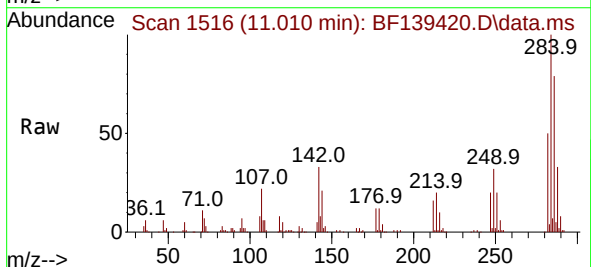
Tgt Ion:248 Resp: 134228
Ion Ratio Lower Upper
248 100
250 96.6 77.6 116.4
141 84.1 66.9 100.3

Manual Integrations
APPROVED

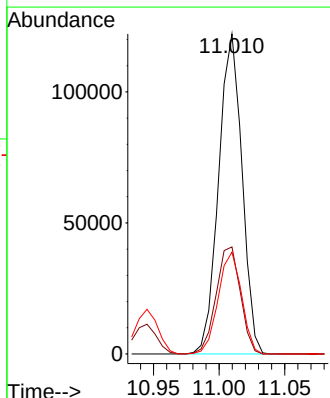
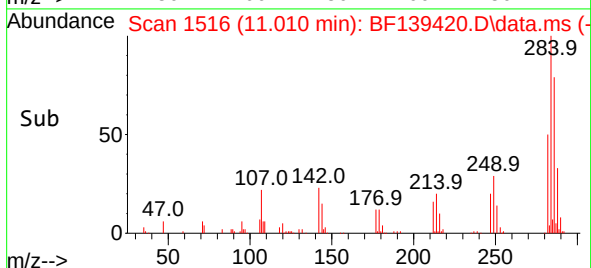
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

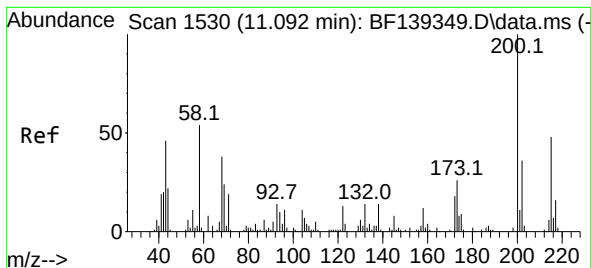


#68
Hexachlorobenzene
Concen: 44.342 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.006 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39



Tgt Ion:284 Resp: 151214
Ion Ratio Lower Upper
284 100
142 33.4 28.0 42.0
249 31.8 25.3 37.9





#69

Atrazine

Concen: 64.525 ng

RT: 11.098 min Scan# 1530

Delta R.T. 0.006 min

Lab File: BF139420.D

Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

PB163323BS

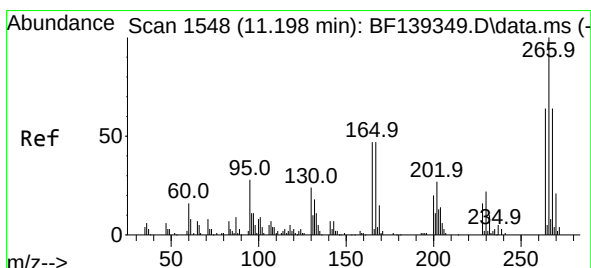
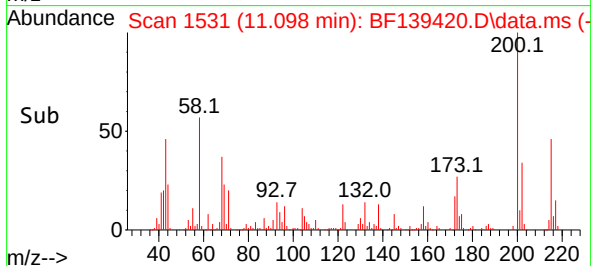
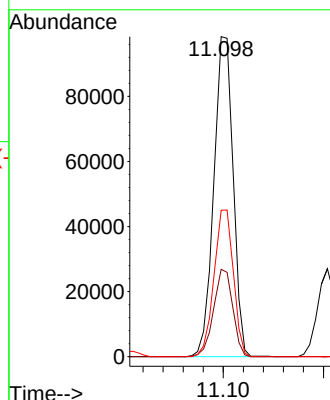
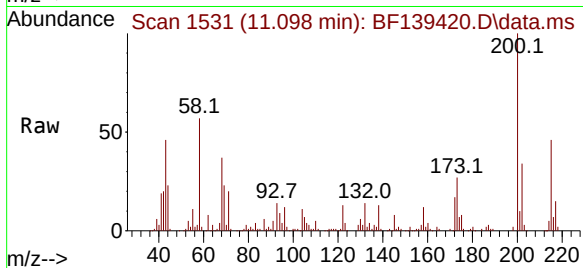
Tgt Ion:	200	Resp:	13168
Ion Ratio	Lower	Upper	
200	100		
173	27.3	6.1	46.1
215	45.7	28.2	68.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2024

Supervised By :mohammad ahmed 09/20/2024



#70

Pentachlorophenol

Concen: 86.918 ng

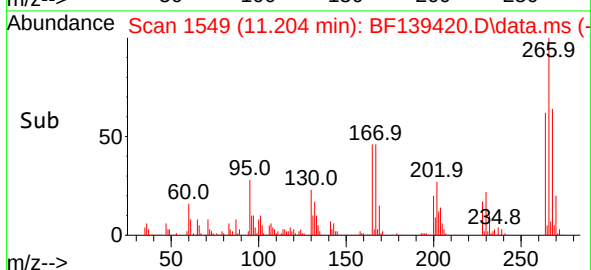
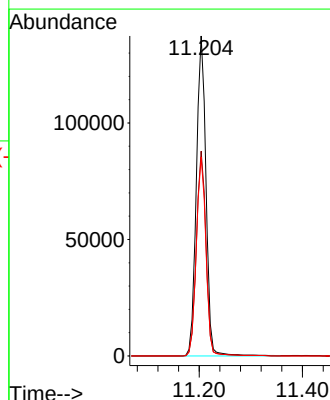
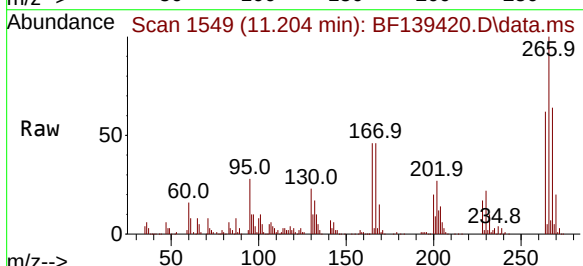
RT: 11.204 min Scan# 1549

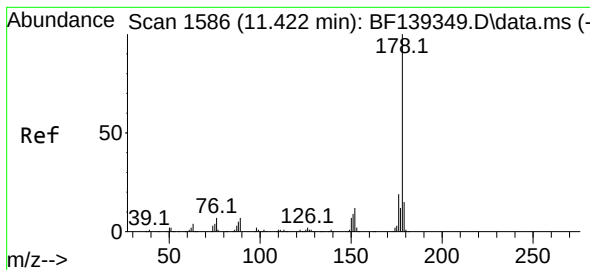
Delta R.T. 0.006 min

Lab File: BF139420.D

Acq: 18 Sep 2024 11:39

Tgt Ion:	266	Resp:	177857
Ion Ratio	Lower	Upper	
266	100		
268	64.0	51.1	76.7
264	62.2	51.4	77.0





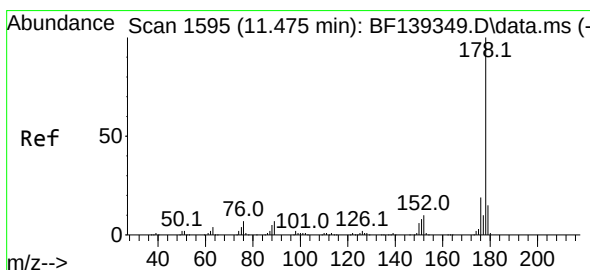
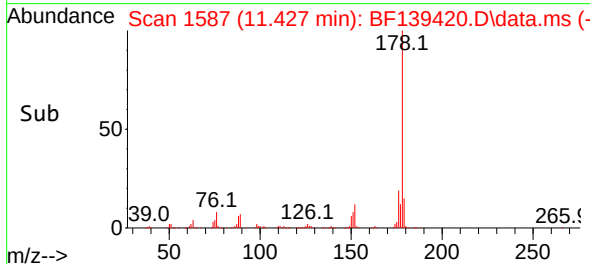
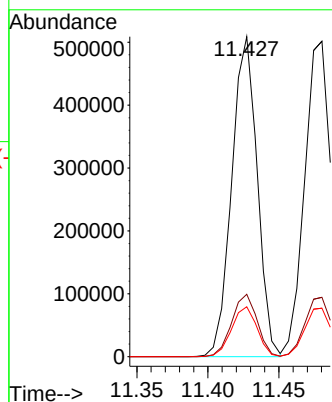
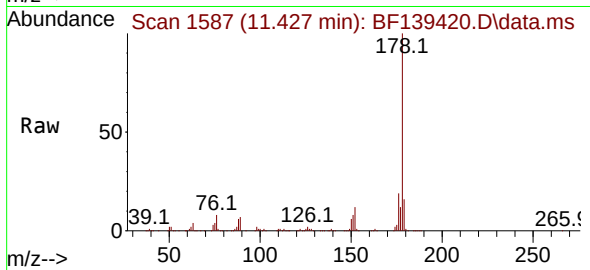
#71
Phenanthrene
Concen: 44.913 ng
RT: 11.427 min Scan# 1586
Delta R.T. 0.006 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Instrument :
BNA_F
ClientSampleId :
PB163323BS

Tgt Ion:178 Resp: 63535
Ion Ratio Lower Upper
178 100
176 19.5 15.2 22.8
179 15.6 12.2 18.4

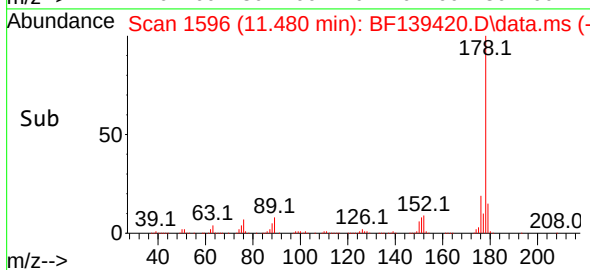
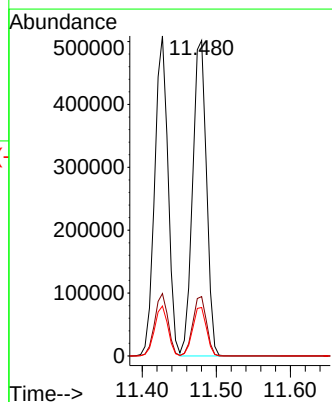
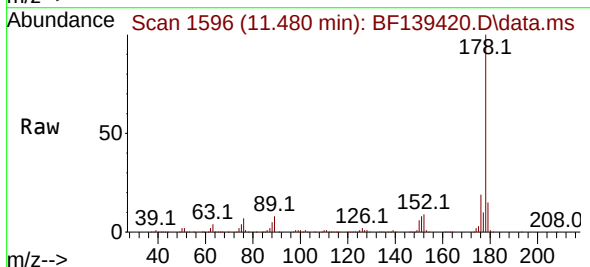
Manual Integrations
APPROVED

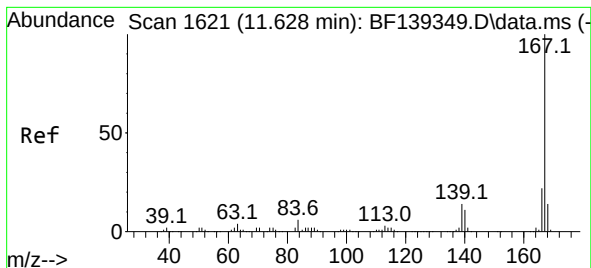
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#72
Anthracene
Concen: 47.081 ng
RT: 11.480 min Scan# 1596
Delta R.T. 0.006 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Tgt Ion:178 Resp: 651190
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.6
179 15.4 12.0 18.0





#73

Carbazole

Concen: 43.455 ng

RT: 11.633 min Scan# 1622

Delta R.T. 0.006 min

Lab File: BF139420.D

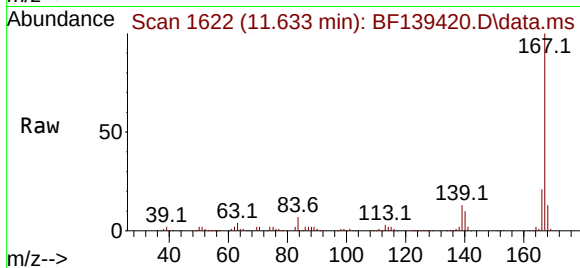
Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

PB163323BS



Tgt Ion:167 Resp: 57525

Ion Ratio Lower Upper

167 100

166 21.3 17.5 26.3

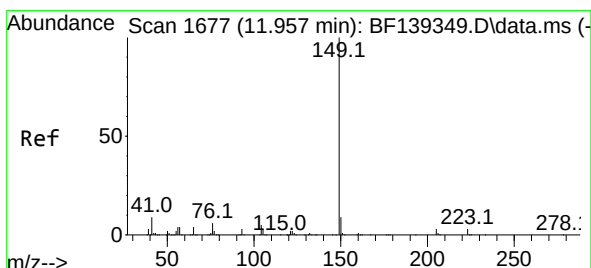
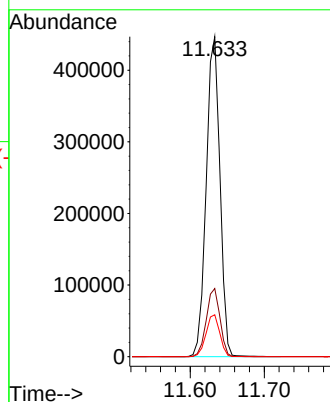
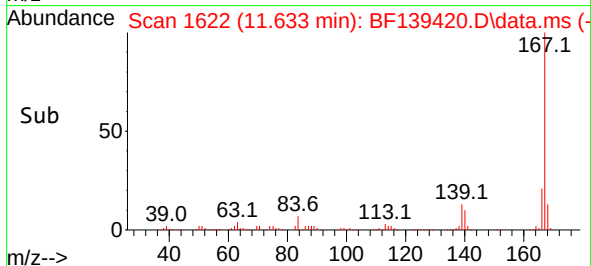
139 13.1 10.9 16.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2024

Supervised By :mohammad ahmed 09/20/2024



#74

Di-n-butylphthalate

Concen: 48.422 ng

RT: 11.957 min Scan# 1677

Delta R.T. -0.000 min

Lab File: BF139420.D

Acq: 18 Sep 2024 11:39

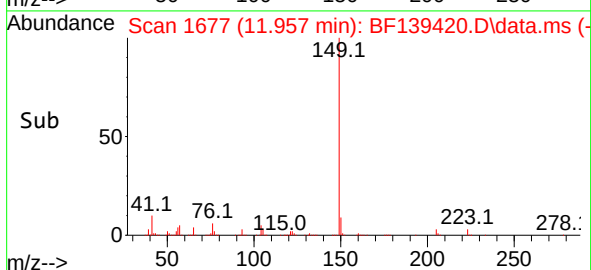
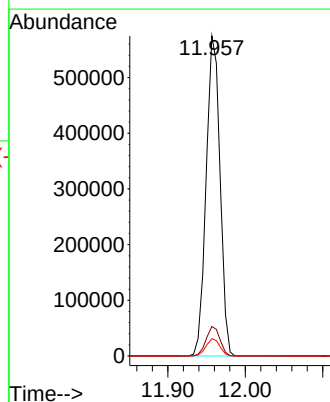
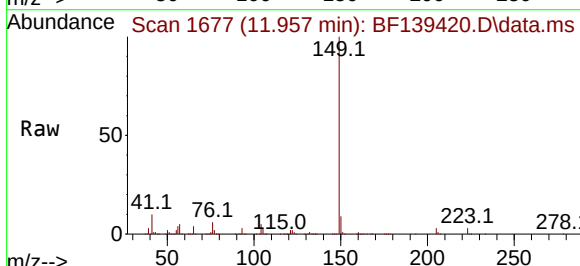
Tgt Ion:149 Resp: 714061

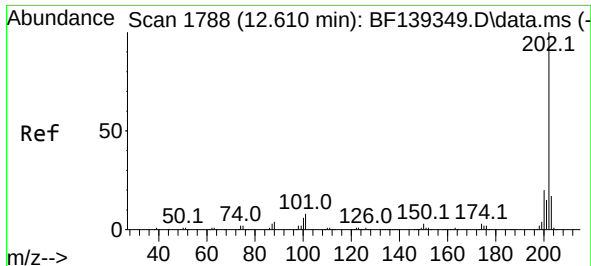
Ion Ratio Lower Upper

149 100

150 9.2 7.3 10.9

104 5.4 4.3 6.5





#75
Fluoranthene
Concen: 42.633 ng
RT: 12.610 min Scan# 11
Delta R.T. -0.000 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

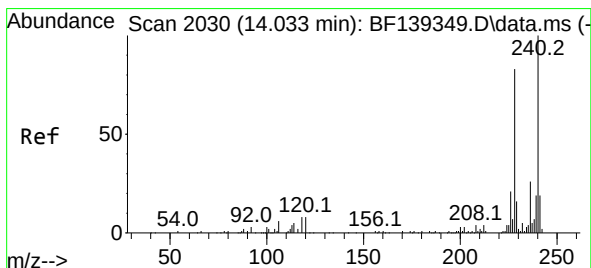
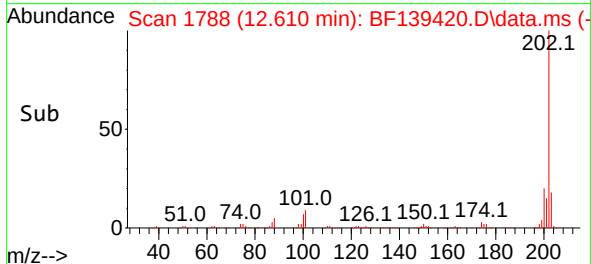
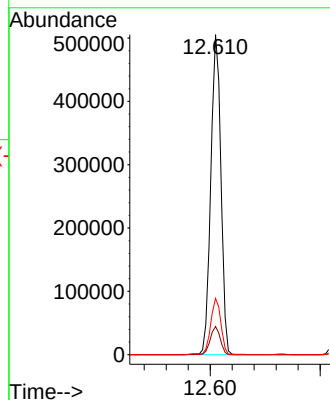
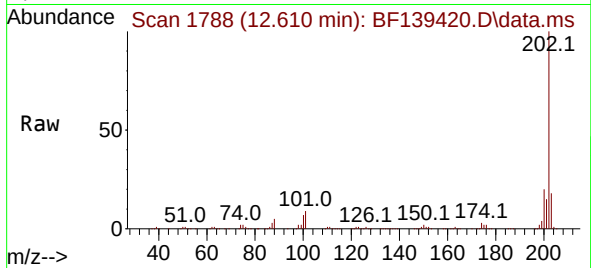
PB163323BS

Tgt Ion:202 Resp: 64405
Ion Ratio Lower Upper
202 100
101 8.8 0.0 27.7
203 17.6 0.0 37.4

Manual Integrations

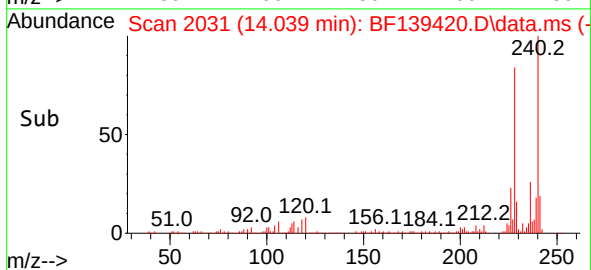
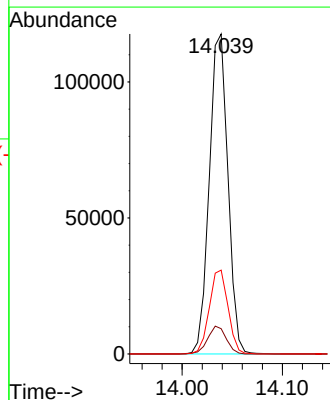
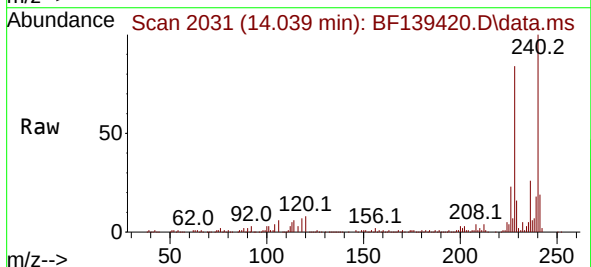
APPROVED

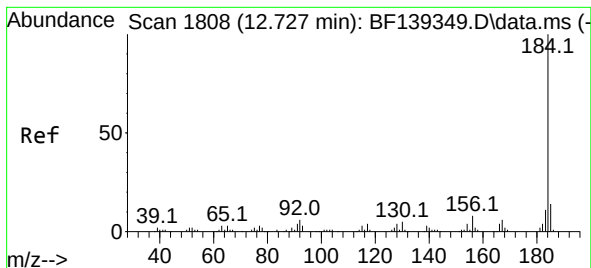
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2031
Delta R.T. 0.006 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Tgt Ion:240 Resp: 152013
Ion Ratio Lower Upper
240 100
120 7.9 6.2 9.2
236 26.2 20.9 31.3





#77

Benzidine

Concen: 69.178 ng

RT: 12.733 min Scan# 1809

Delta R.T. 0.006 min

Lab File: BF139420.D

Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

PB163323BS

Tgt Ion:184 Resp: 150662

Ion Ratio Lower Upper

184 100

185 14.2 11.5 17.3

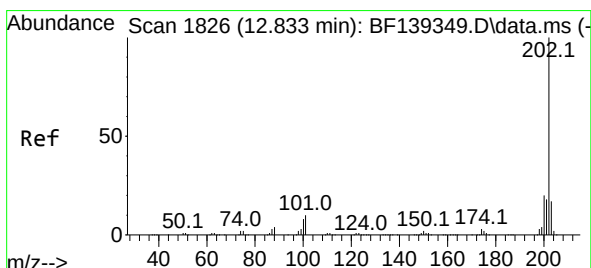
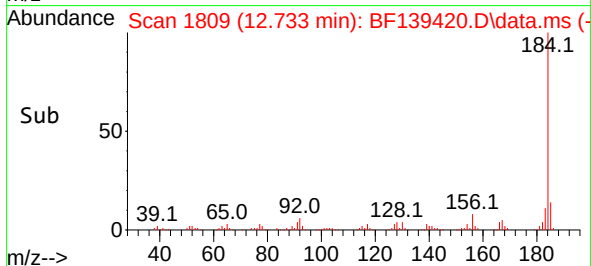
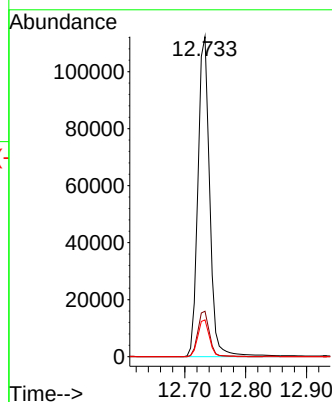
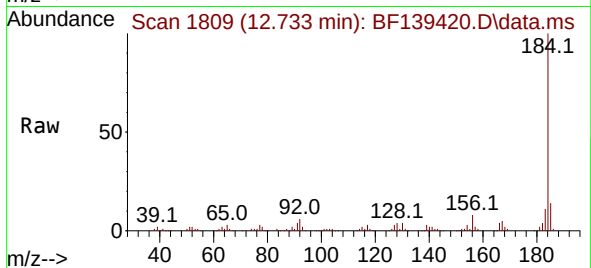
183 11.5 8.9 13.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2024

Supervised By :mohammad ahmed 09/20/2024



#78

Pyrene

Concen: 49.599 ng

RT: 12.839 min Scan# 1827

Delta R.T. 0.006 min

Lab File: BF139420.D

Acq: 18 Sep 2024 11:39

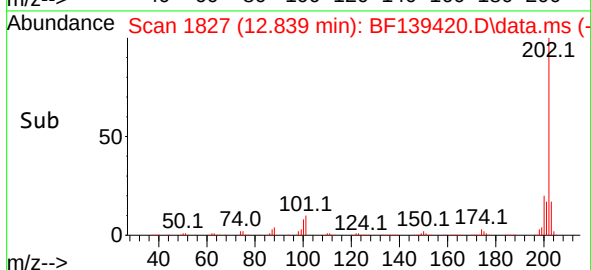
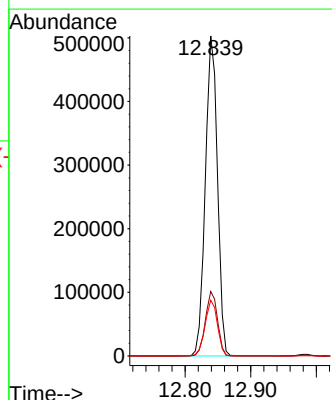
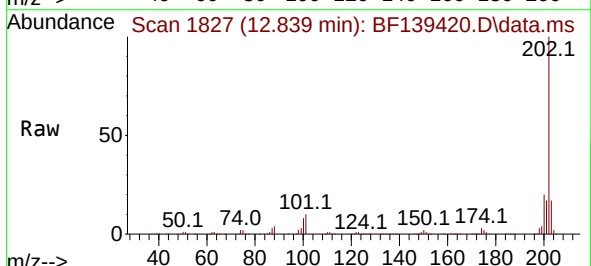
Tgt Ion:202 Resp: 647388

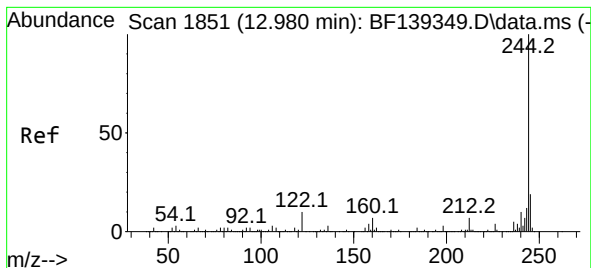
Ion Ratio Lower Upper

202 100

200 20.1 16.2 24.2

203 17.4 13.9 20.9





#79

Terphenyl-d14

Concen: 98.409 ng

RT: 12.980 min Scan# 11

Delta R.T. -0.000 min

Lab File: BF139420.D

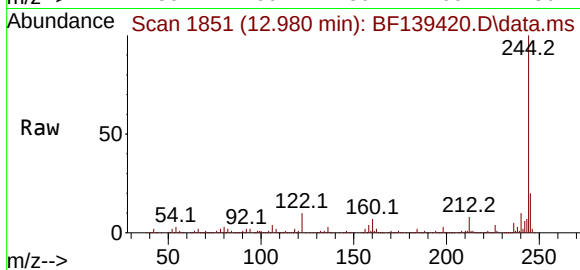
Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

PB163323BS



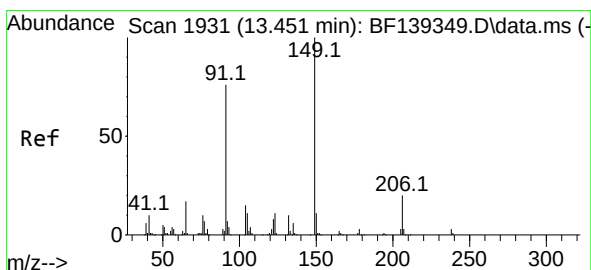
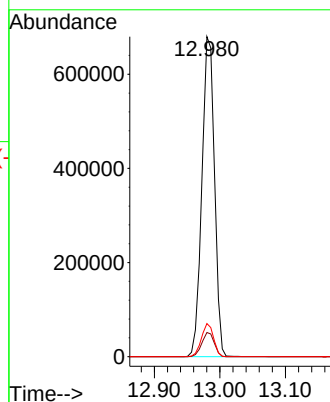
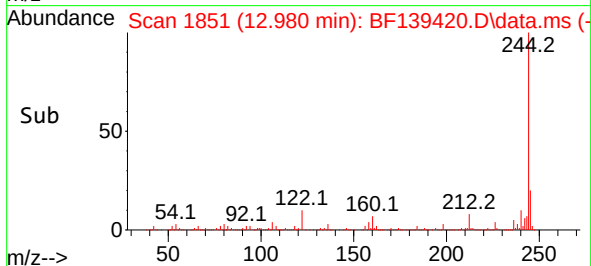
Tgt Ion:	244	Resp:	911392
Ion Ratio	Lower	Upper	
244	100		
212	7.6	6.0	9.0
122	10.4	7.6	11.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2024

Supervised By :mohammad ahmed 09/20/2024



#80

Butylbenzylphthalate

Concen: 52.218 ng

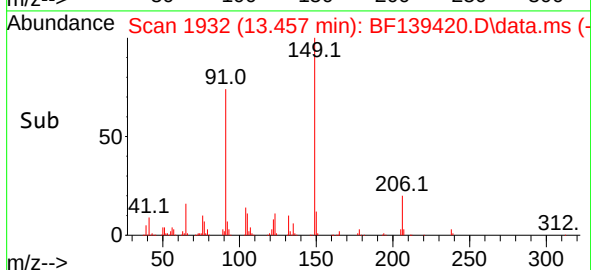
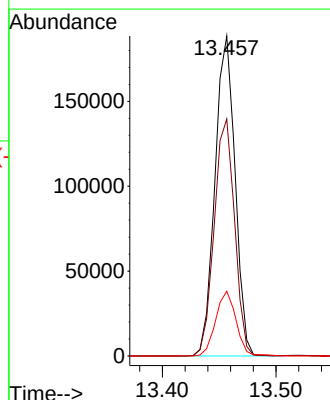
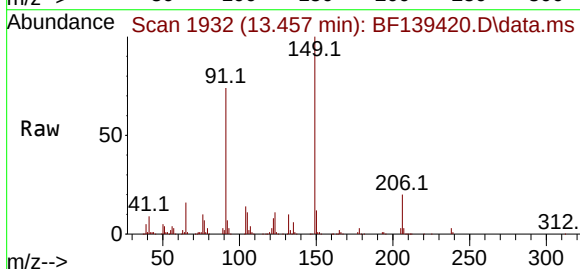
RT: 13.457 min Scan# 1932

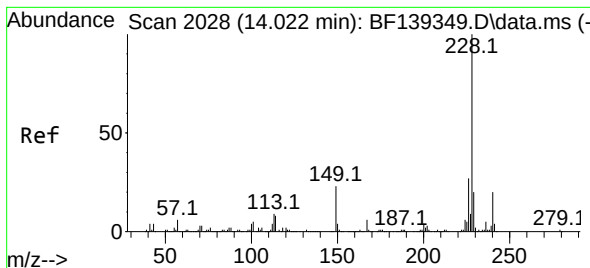
Delta R.T. 0.006 min

Lab File: BF139420.D

Acq: 18 Sep 2024 11:39

Tgt Ion:	149	Resp:	231990
Ion Ratio	Lower	Upper	
149	100		
91	74.0	60.9	91.3
206	20.2	15.8	23.8





#81

Benzo(a)anthracene

Concen: 46.648 ng

RT: 14.027 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF139420.D

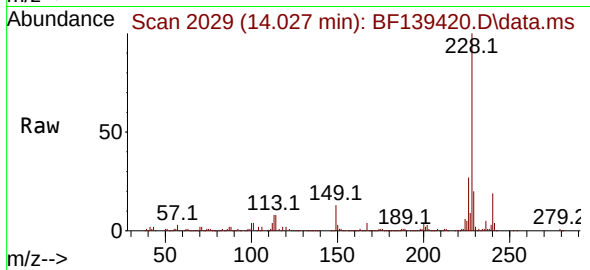
Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

PB163323BS



Tgt Ion:228 Resp: 469708

Ion Ratio Lower Upper

228 100

226 27.3 21.6 32.4

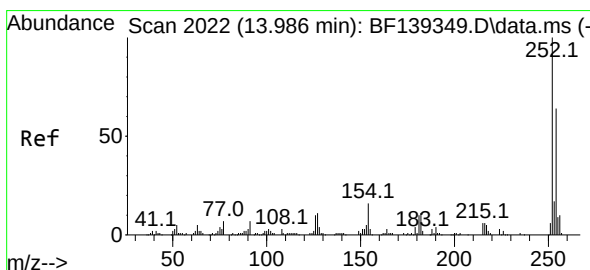
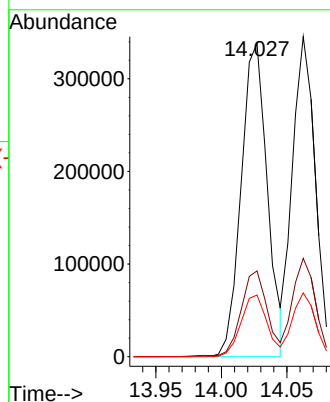
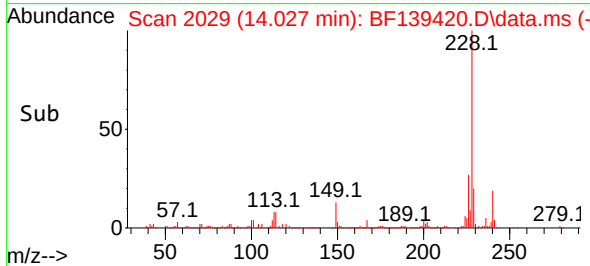
229 19.7 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2024

Supervised By :mohammad ahmed 09/20/2024



#82

3,3'-Dichlorobenzidine

Concen: 34.301 ng

RT: 13.986 min Scan# 2022

Delta R.T. -0.000 min

Lab File: BF139420.D

Acq: 18 Sep 2024 11:39

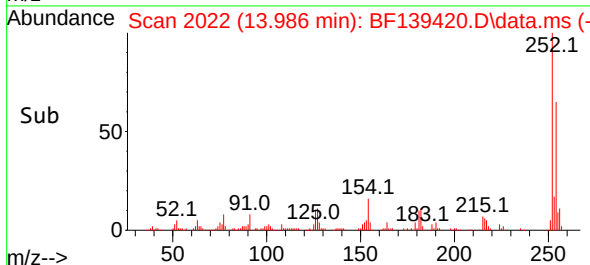
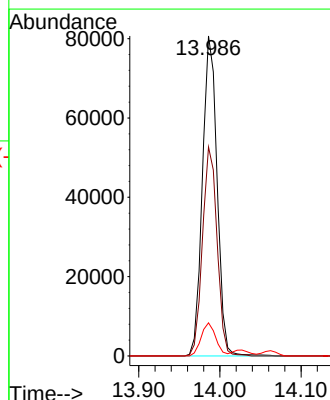
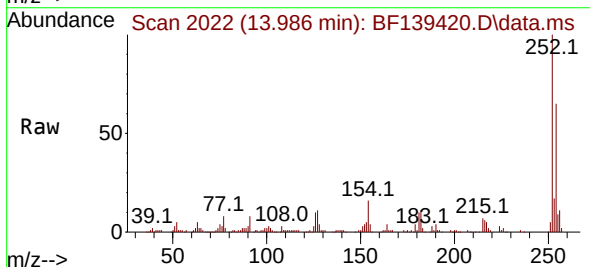
Tgt Ion:252 Resp: 101146

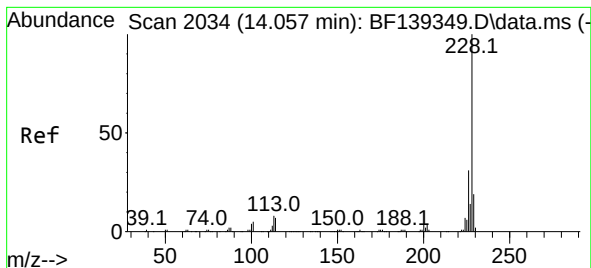
Ion Ratio Lower Upper

252 100

254 65.3 51.4 77.2

126 10.4 7.7 11.5





#83

Chrysene

Concen: 44.868 ng

RT: 14.062 min Scan# 2035

Delta R.T. 0.006 min

Lab File: BF139420.D

Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

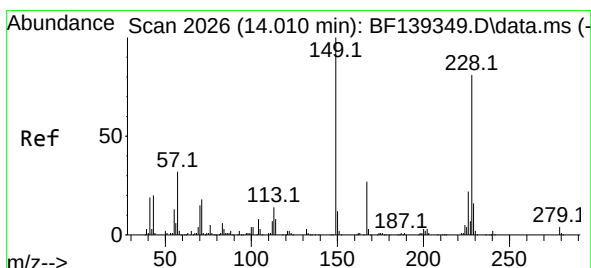
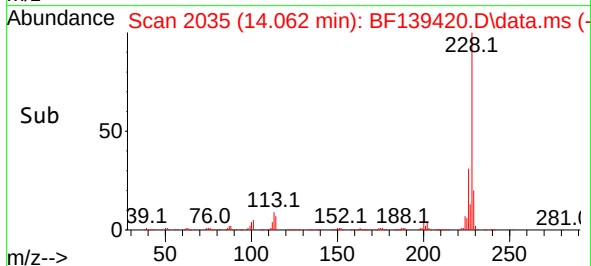
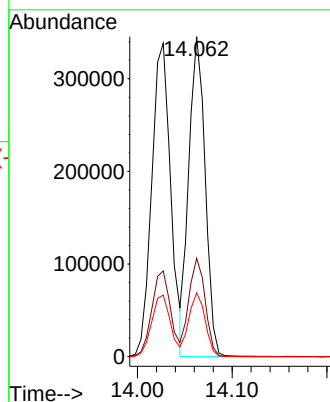
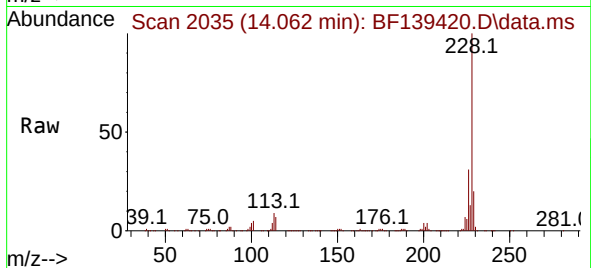
PB163323BS

Tgt Ion:228 Resp: 41564
 Ion Ratio Lower Upper
 228 100
 226 30.8 24.1 36.1
 229 19.9 15.4 23.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2024
 Supervised By :mohammad ahmed 09/20/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 54.196 ng

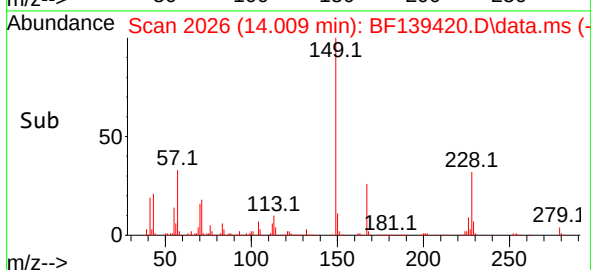
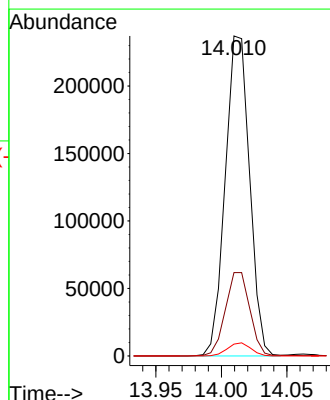
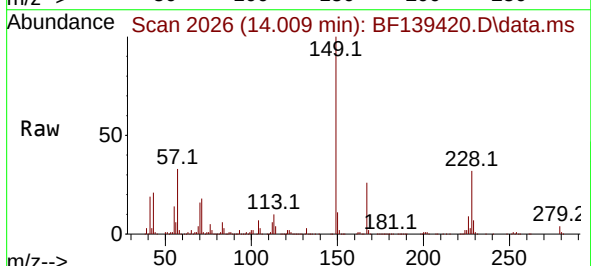
RT: 14.009 min Scan# 2026

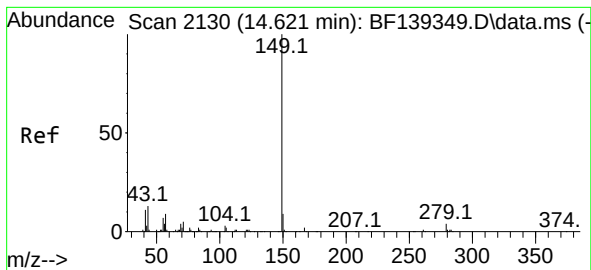
Delta R.T. -0.000 min

Lab File: BF139420.D

Acq: 18 Sep 2024 11:39

Tgt Ion:149 Resp: 306302
 Ion Ratio Lower Upper
 149 100
 167 26.1 21.6 32.4
 279 3.7 3.3 4.9





#85

Di-n-octyl phthalate

Concen: 53.113 ng

RT: 14.627 min Scan# 2130

Delta R.T. 0.006 min

Lab File: BF139420.D

Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

PB163323BS

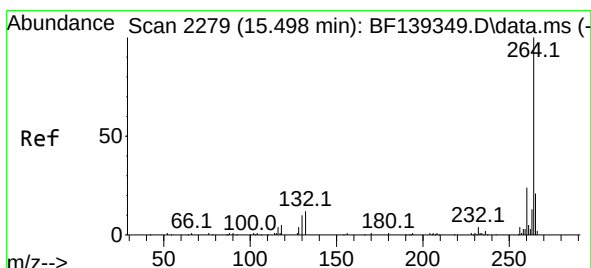
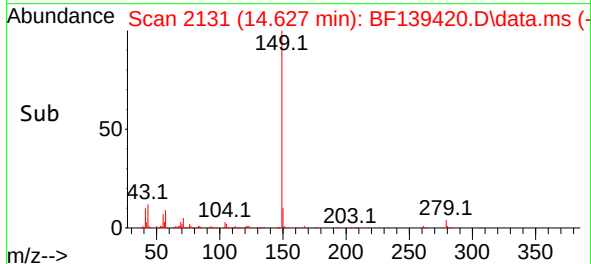
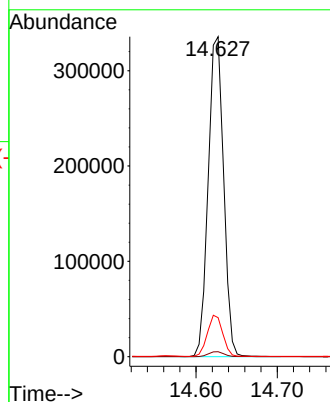
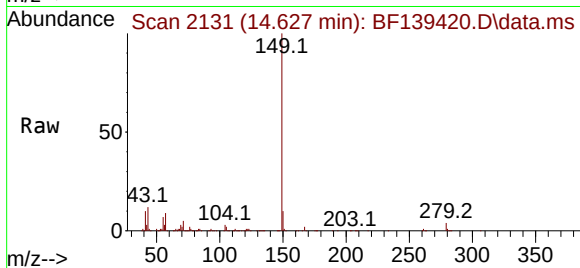
Tgt Ion:	149	Resp:	44208
Ion Ratio	Lower	Upper	
149	100		
167	1.6	1.2	1.8
43	12.7	10.6	16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2024

Supervised By :mohammad ahmed 09/20/2024



#86

Perylene-d12

Concen: 20.000 ng

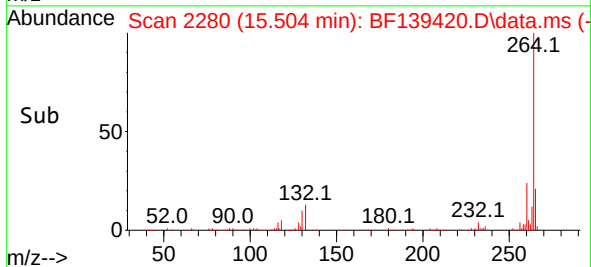
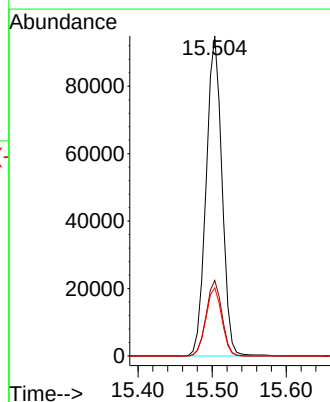
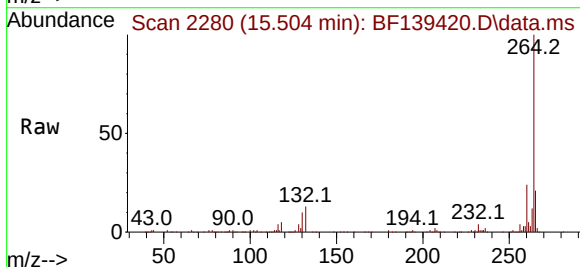
RT: 15.504 min Scan# 2280

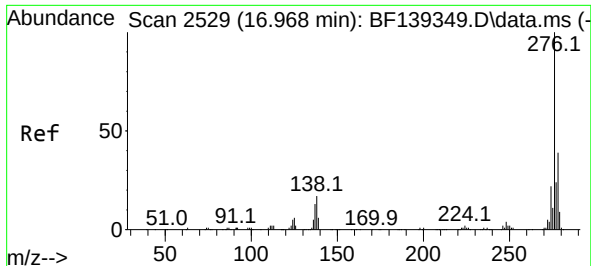
Delta R.T. 0.006 min

Lab File: BF139420.D

Acq: 18 Sep 2024 11:39

Tgt Ion:	264	Resp:	140463
Ion Ratio	Lower	Upper	
264	100		
260	23.6	19.5	29.3
265	21.3	16.6	25.0





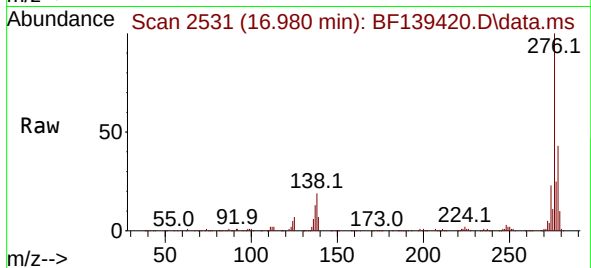
#87
Indeno(1,2,3-cd)pyrene
Concen: 48.610 ng
RT: 16.980 min Scan# 21
Delta R.T. 0.012 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

PB163323BS

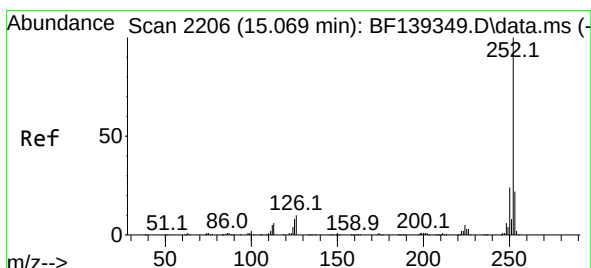
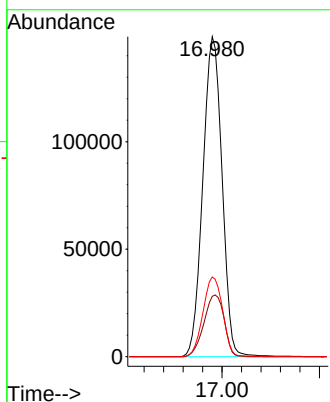
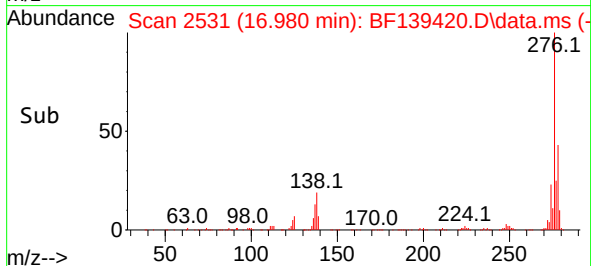


Tgt Ion:276 Resp: 40600
Ion Ratio Lower Upper
276 100
138 20.3 15.4 23.2
277 25.5 20.4 30.6

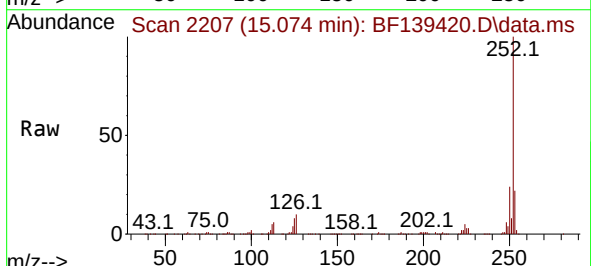
Manual Integrations

APPROVED

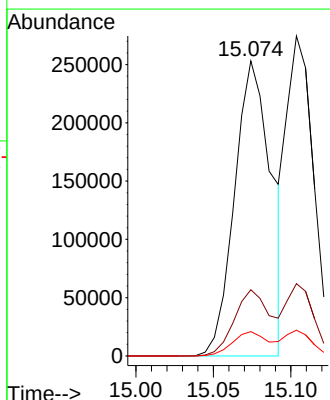
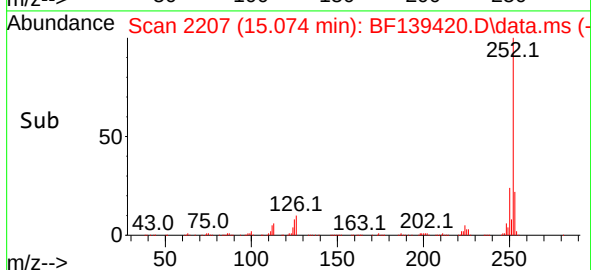
Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/20/2024

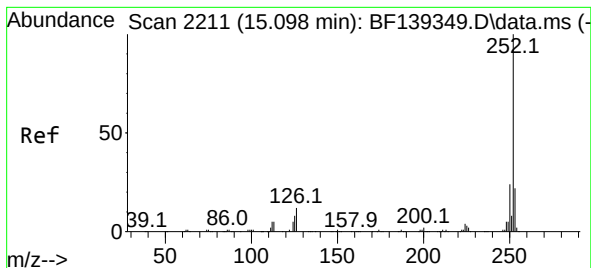


#88
Benzo(b)fluoranthene
Concen: 48.155 ng
RT: 15.074 min Scan# 2207
Delta R.T. 0.006 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39



Tgt Ion:252 Resp: 417158
Ion Ratio Lower Upper
252 100
253 22.4 17.6 26.4
125 8.2 6.2 9.2





#89

Benzo(k)fluoranthene

Concen: 41.922 ng

RT: 15.104 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF139420.D

Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

PB163323BS

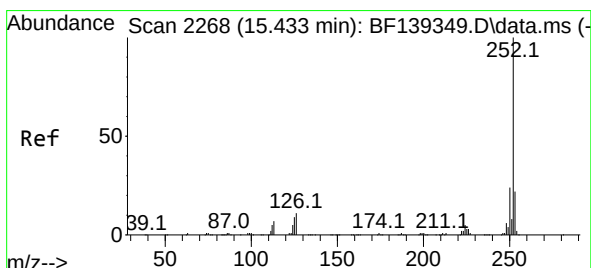
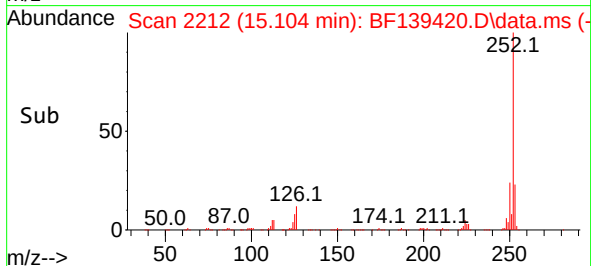
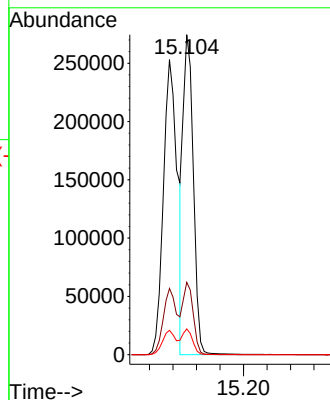
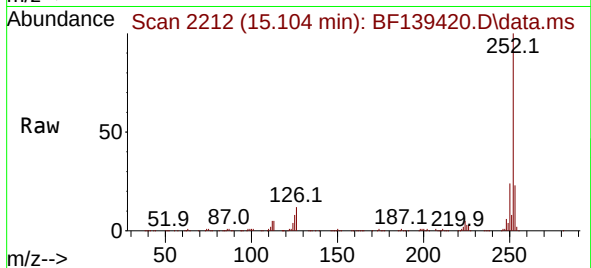
Tgt Ion:252 Resp: 334844
 Ion Ratio Lower Upper
 252 100
 253 22.6 17.3 25.9
 125 8.1 5.9 8.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2024

Supervised By :mohammad ahmed 09/20/2024



#90

Benzo(a)pyrene

Concen: 49.490 ng

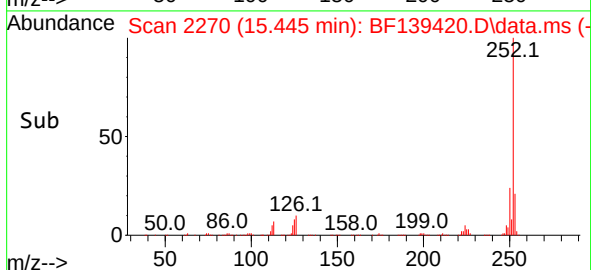
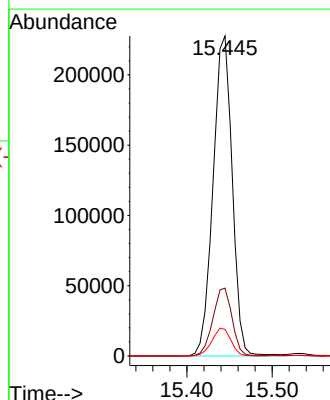
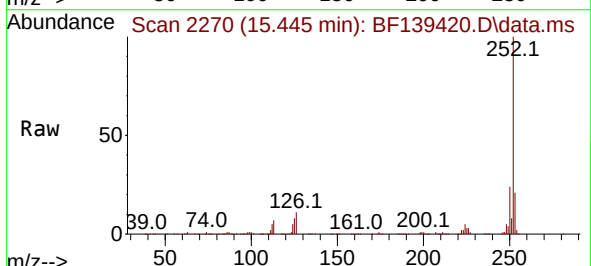
RT: 15.445 min Scan# 2270

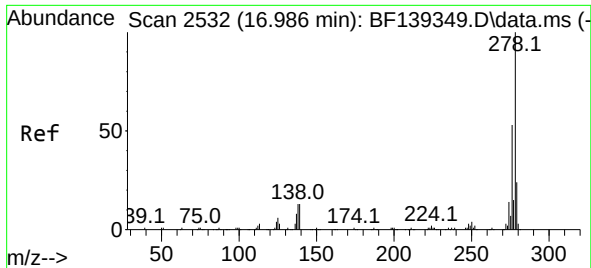
Delta R.T. 0.011 min

Lab File: BF139420.D

Acq: 18 Sep 2024 11:39

Tgt Ion:252 Resp: 355564
 Ion Ratio Lower Upper
 252 100
 253 21.2 17.3 25.9
 125 8.3 6.8 10.2





#91
Dibenzo(a,h)anthracene
Concen: 48.145 ng
RT: 16.998 min Scan# 2534
Delta R.T. 0.012 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Instrument :

BNA_F

ClientSampleId :

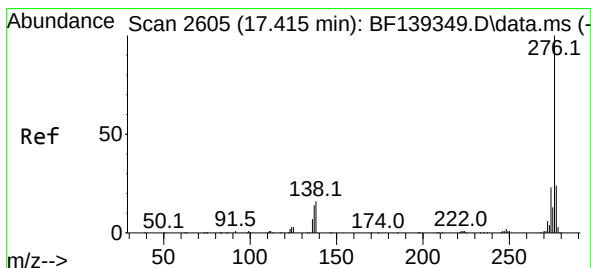
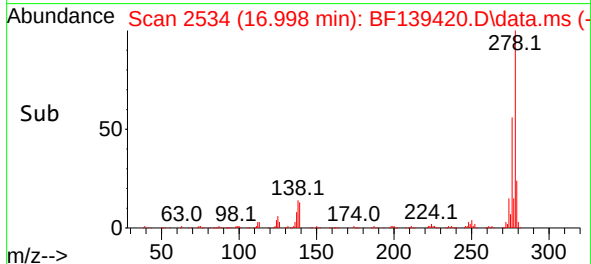
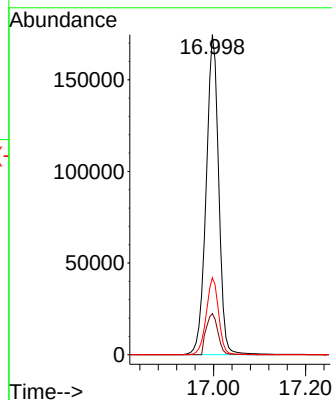
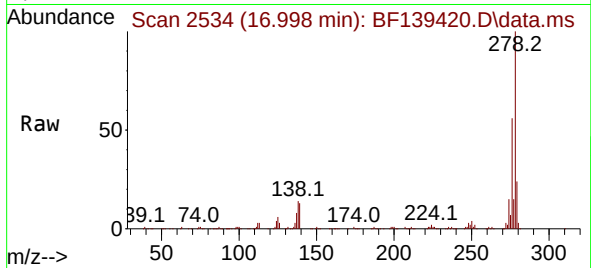
PB163323BS

Tgt Ion:278 Resp: 33228
Ion Ratio Lower Upper
278 100
139 12.9 10.2 15.2
279 24.0 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/19/2024
Supervised By :mohammad ahmed 09/20/2024



#92
Benzo(g,h,i)perylene
Concen: 44.574 ng
RT: 17.427 min Scan# 2607
Delta R.T. 0.012 min
Lab File: BF139420.D
Acq: 18 Sep 2024 11:39

Tgt Ion:276 Resp: 304600
Ion Ratio Lower Upper
276 100
277 22.7 18.9 28.3
138 17.1 13.0 19.6

