

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF092524\
 Data File : BF139531.D
 Acq On : 25 Sep 2024 16:12
 Operator : RC/JU
 Sample : PB163661BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB163661BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 09/26/2024
 Supervised By :mohammad ahmed 09/27/2024

Quant Time: Sep 25 16:34:29 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	6.875	152	68984	20.000	ng	0.00
21) Naphthalene-d8	8.157	136	251079	20.000	ng	# 0.00
39) Acenaphthene-d10	9.916	164	138500	20.000	ng	0.00
64) Phenanthrene-d10	11.398	188	256247	20.000	ng	# 0.00
76) Chrysene-d12	14.039	240	124390	20.000	ng	# 0.00
86) Perylene-d12	15.510	264	142443	20.000	ng	0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	546420	129.218	ng	0.01
7) Phenol-d6	6.510	99	704916	127.003	ng	0.00
23) Nitrobenzene-d5	7.440	82	470375	88.072	ng	0.00
42) 2,4,6-Tribromophenol	10.704	330	183840	124.680	ng	0.00
45) 2-Fluorobiphenyl	9.234	172	855468	86.629	ng	0.00
79) Terphenyl-d14	12.980	244	712694	94.044	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.716	88	74108	43.682	ng	98
3) Pyridine	3.463	79	195951	52.386	ng	97
4) n-Nitrosodimethylamine	3.422	42	140491	43.333	ng	# 80
6) Aniline	6.540	93	242713	57.945	ng	# 82
8) 2-Chlorophenol	6.663	128	213027	48.939	ng	99
9) Benzaldehyde	6.428	77	30979	9.660	ng	97
10) Phenol	6.528	94	276719	48.951	ng	97
11) bis(2-Chloroethyl)ether	6.616	93	211460	49.216	ng	98
12) 1,3-Dichlorobenzene	6.816	146	229219	46.303	ng	99
13) 1,4-Dichlorobenzene	6.898	146	236227	47.221	ng	98
14) 1,2-Dichlorobenzene	7.045	146	221343	46.825	ng	98
15) Benzyl Alcohol	7.022	79	207088	46.766	ng	95
16) 2,2'-oxybis(1-Chloropr...	7.151	45	378276	57.128	ng	97
17) 2-Methylphenol	7.134	107	169986	49.152	ng	98
18) Hexachloroethane	7.387	117	86917	45.616	ng	98
19) n-Nitroso-di-n-propyla...	7.287	70	160662	48.847	ng	99
20) 3+4-Methylphenols	7.287	107	219693	46.562	ng	# 88
22) Acetophenone	7.287	105	296474	45.167	ng	98
24) Nitrobenzene	7.463	77	248055	45.127	ng	97
25) Isophorone	7.698	82	424063	50.206	ng	99
26) 2-Nitrophenol	7.775	139	113219	52.868	ng	91
27) 2,4-Dimethylphenol	7.810	122	169745	60.089	ng	98
28) bis(2-Chloroethoxy)met...	7.904	93	242340	50.342	ng	99
29) 2,4-Dichlorophenol	8.022	162	176582	49.205	ng	99
30) 1,2,4-Trichlorobenzene	8.098	180	188600	45.104	ng	98
31) Naphthalene	8.181	128	629319	48.011	ng	100
32) Benzoic acid	7.934	122	120418	45.551	ng	91
33) 4-Chloroaniline	8.234	127	107411	26.786	ng	97
34) Hexachlorobutadiene	8.292	225	122155	43.000	ng	98
35) Caprolactam	8.592	113	58569m	53.055	ng	
36) 4-Chloro-3-methylphenol	8.716	107	198394	48.373	ng	96
37) 2-Methylnaphthalene	8.875	142	407670	48.999	ng	99
38) 1-Methylnaphthalene	8.969	142	378983	46.397	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	191433	46.637	ng	99
41) Hexachlorocyclopentadiene	9.022	237	229551	160.168	ng	99
43) 2,4,6-Trichlorophenol	9.151	196	130838	48.994	ng	98

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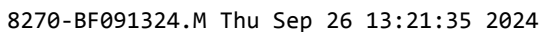
Quant Time: Sep 25 16:34:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF091324.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
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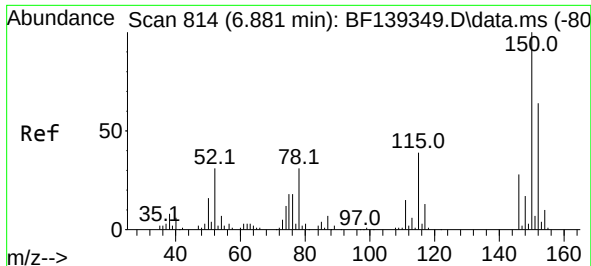
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	138247	49.077	ng	97
46) 1,1'-Biphenyl	9.334	154	502282	47.140	ng	99
47) 2-Chloronaphthalene	9.363	162	376468	47.254	ng	98
48) 2-Nitroaniline	9.457	65	148121	49.986	ng	98
49) Acenaphthylene	9.781	152	628985	52.448	ng	100
50) Dimethylphthalate	9.639	163	446185	49.083	ng	99
51) 2,6-Dinitrotoluene	9.698	165	98900	49.111	ng	95
52) Acenaphthene	9.951	154	448389	53.572	ng	99
53) 3-Nitroaniline	9.869	138	73840	36.690	ng	92
54) 2,4-Dinitrophenol	9.981	184	112585	100.332	ng	87
55) Dibenzofuran	10.122	168	570186	48.876	ng	96
56) 4-Nitrophenol	10.033	139	153555	92.209	ng	# 83
57) 2,4-Dinitrotoluene	10.104	165	135388	49.797	ng	96
58) Fluorene	10.463	166	452273	47.515	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.239	232	117232	50.309	ng	95
60) Diethylphthalate	10.333	149	448360	47.795	ng	99
61) 4-Chlorophenyl-phenyle...	10.457	204	213986	46.259	ng	95
62) 4-Nitroaniline	10.486	138	100564	45.784	ng	87
63) Azobenzene	10.616	77	457591	49.595	ng	94
65) 4,6-Dinitro-2-methylph...	10.510	198	71056	52.539	ng	94
66) n-Nitrosodiphenylamine	10.575	169	384501	51.323	ng	99
67) 4-Bromophenyl-phenylether	10.945	248	125653	49.483	ng	97
68) Hexachlorobenzene	11.010	284	142843	47.930	ng	99
69) Atrazine	11.098	200	118169	66.255	ng	99
70) Pentachlorophenol	11.204	266	156192	87.343	ng	99
71) Phenanthrene	11.427	178	623346	50.421	ng	99
72) Anthracene	11.480	178	637993	52.782	ng	99
73) Carbazole	11.633	167	551612	47.681	ng	99
74) Di-n-butylphthalate	11.957	149	618341	47.981	ng	100
75) Fluoranthene	12.610	202	578089	43.786	ng	98
77) Benzidine	12.733	184	146687	82.309	ng	100
78) Pyrene	12.839	202	581644	54.458	ng	99
80) Butylbenzylphthalate	13.457	149	178405	49.074	ng	97
81) Benzo(a)anthracene	14.027	228	412027	50.006	ng	100
82) 3,3'-Dichlorobenzidine	13.992	252	102704	42.563	ng	99
83) Chrysene	14.063	228	386699	51.013	ng	99
84) Bis(2-ethylhexyl)phtha...	14.016	149	214549	46.391	ng	100
85) Di-n-octyl phthalate	14.627	149	350887	51.518	ng	99
87) Indeno(1,2,3-cd)pyrene	16.992	276	466355	55.059	ng	96
88) Benzo(b)fluoranthene	15.080	252	396356	45.118	ng	99
89) Benzo(k)fluoranthene	15.110	252	405889	50.110	ng	# 99
90) Benzo(a)pyrene	15.451	252	394543	54.152	ng	99
91) Dibenzo(a,h)anthracene	17.009	278	380491	54.363	ng	98
92) Benzo(g,h,i)perylene	17.439	276	352595	50.880	ng	# 96

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

Manual Integrations APPROVED

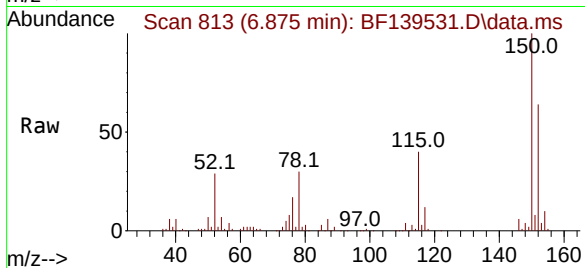
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#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.875 min Scan# 81
 Delta R.T. -0.006 min
 Lab File: BF139531.D
 Acq: 25 Sep 2024 16:12

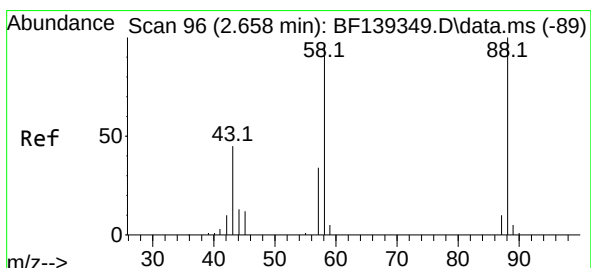
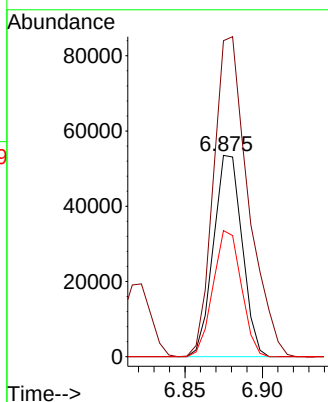
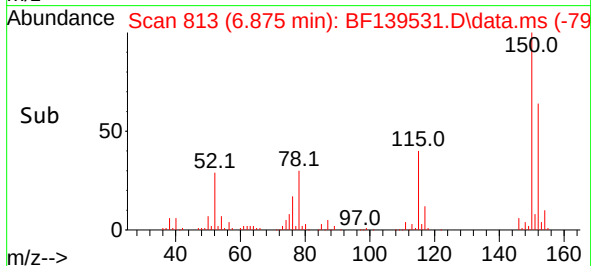
Instrument :
 BNA_F
 ClientSampleId :
 PB163661BS



Tgt Ion:152 Resp: 68984
 Ion Ratio Lower Upper
 152 100
 150 157.1 124.1 186.1
 115 62.7 48.1 72.1

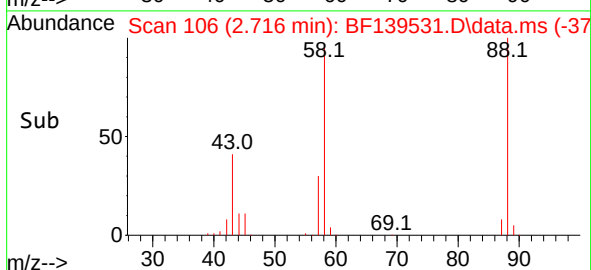
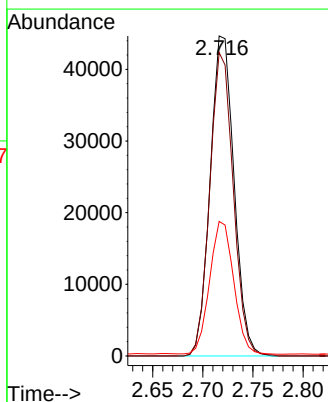
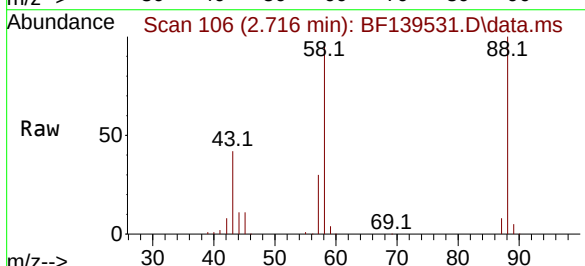
Manual Integrations
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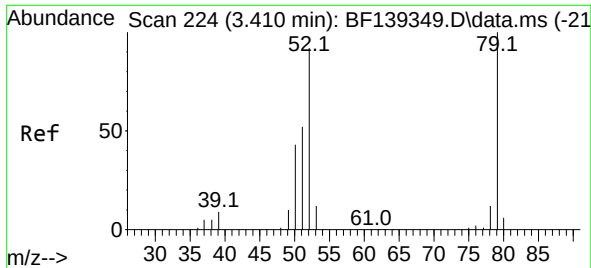
Reviewed By :Yogesh Patel 09/26/2024
 Supervised By :mohammad ahmed 09/27/2024



#2
 1,4-Dioxane
 Concen: 43.682 ng
 RT: 2.716 min Scan# 106
 Delta R.T. 0.059 min
 Lab File: BF139531.D
 Acq: 25 Sep 2024 16:12

Tgt Ion: 88 Resp: 74108
 Ion Ratio Lower Upper
 88 100
 58 93.1 74.8 112.2
 43 41.8 36.4 54.6





#3

Pyridine

Concen: 52.386 ng

RT: 3.463 min Scan# 21

Delta R.T. 0.053 min

Lab File: BF139531.D

Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

ClientSampleId :

PB163661BS

Tgt Ion: 79 Resp: 19595

Ion Ratio Lower Upper

79 100

52 93.3 73.8 110.8

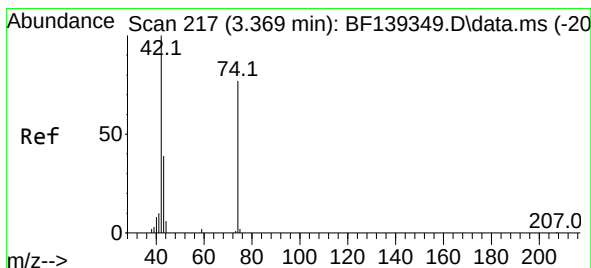
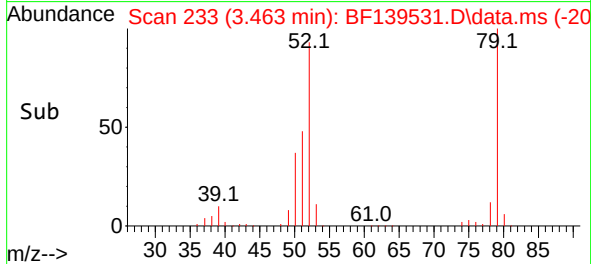
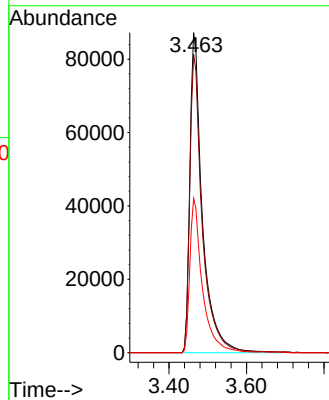
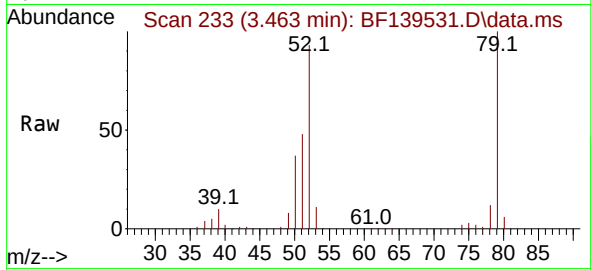
51 48.2 41.8 62.6

Manual Integrations

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Supervised By :mohammad ahmed 09/27/2024



#4

n-Nitrosodimethylamine

Concen: 43.333 ng

RT: 3.422 min Scan# 226

Delta R.T. 0.053 min

Lab File: BF139531.D

Acq: 25 Sep 2024 16:12

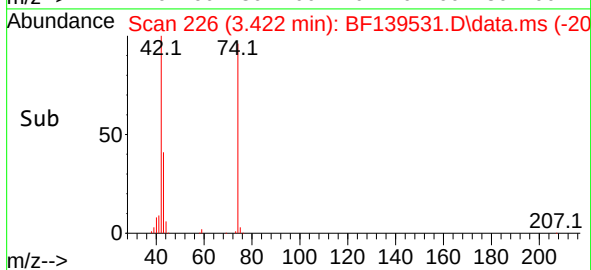
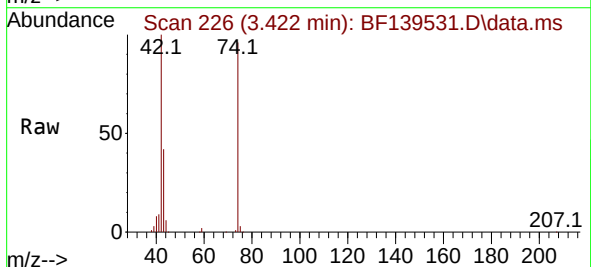
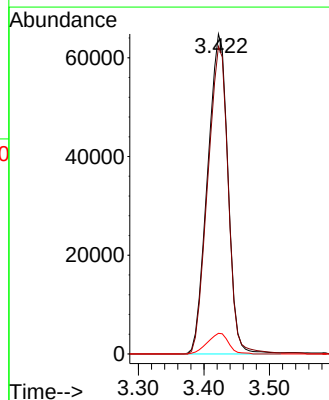
Tgt Ion: 42 Resp: 140491

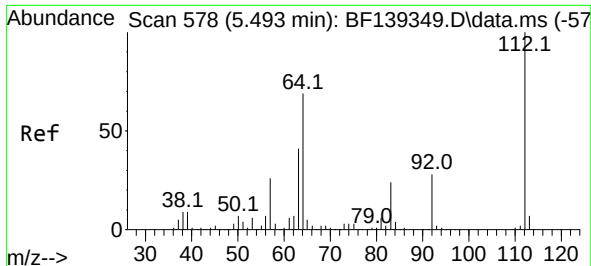
Ion Ratio Lower Upper

42 100

74 96.1 61.8 92.8#

44 6.4 4.8 7.2





#5
2-Fluorophenol
Concen: 129.218 ng
RT: 5.504 min Scan# 51
Delta R.T. 0.011 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

ClientSampleId :

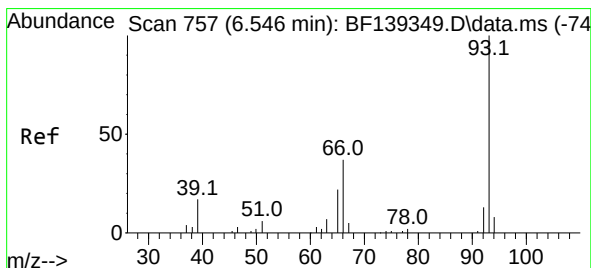
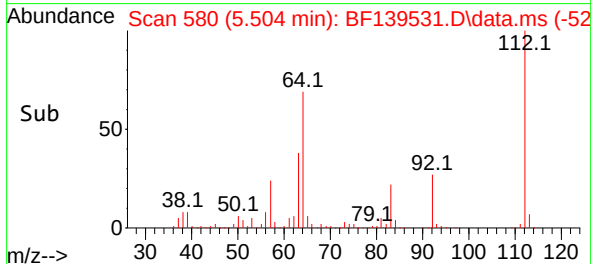
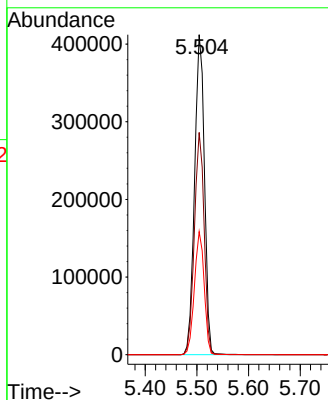
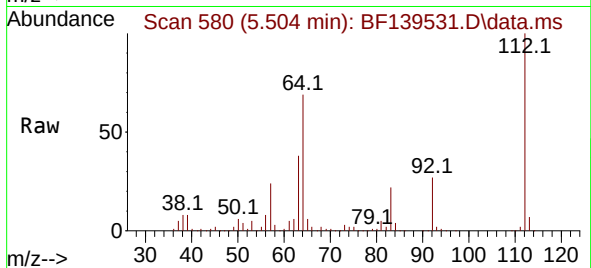
PB163661BS

Tgt Ion:112 Resp: 546420
Ion Ratio Lower Upper
112 100
64 69.5 54.8 82.2
63 38.4 33.0 49.4

Manual Integrations

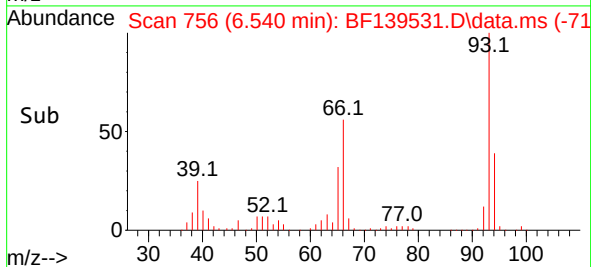
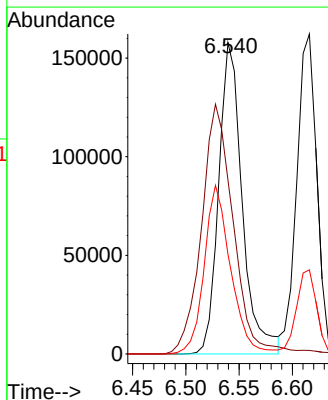
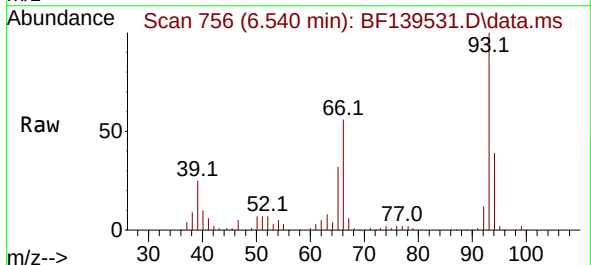
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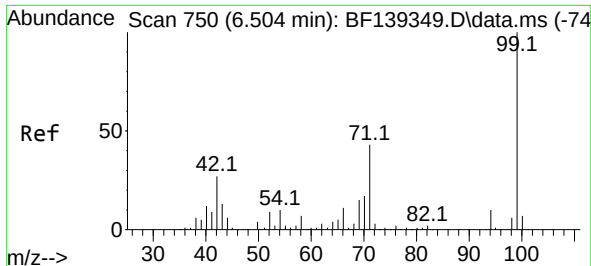
Reviewed By :Yogesh Patel 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#6
Aniline
Concen: 57.945 ng
RT: 6.540 min Scan# 756
Delta R.T. -0.029 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

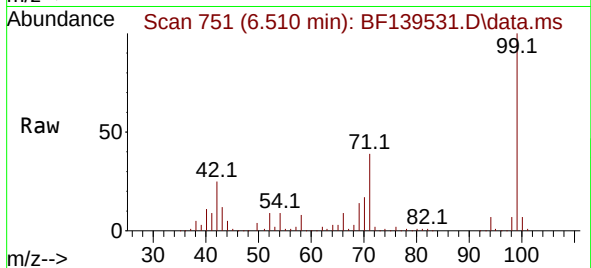
Tgt Ion: 93 Resp: 242713
Ion Ratio Lower Upper
93 100
66 55.9 35.4 53.0#
65 32.0 18.2 27.4#





#7
Phenol-d6
Concen: 127.003 ng
RT: 6.510 min Scan# 750
Delta R.T. 0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

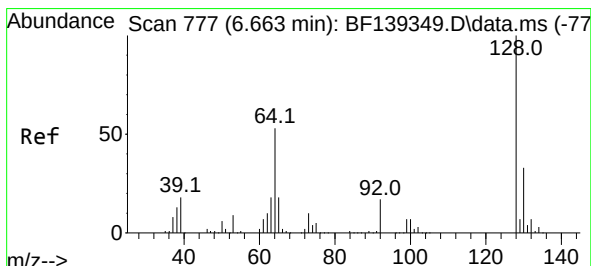
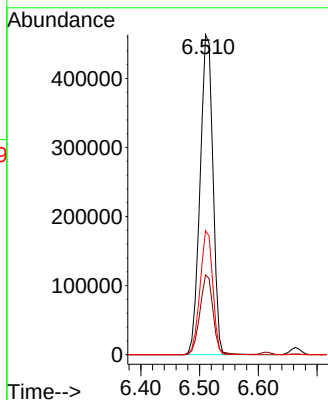
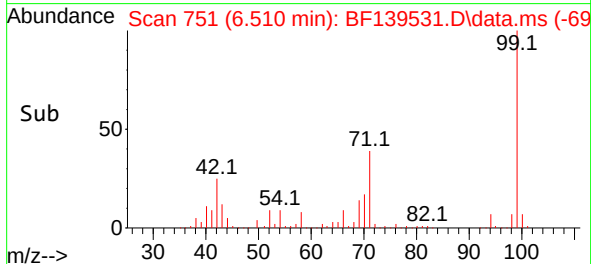
Instrument :
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Tgt Ion: 99 Resp: 704910
Ion Ratio Lower Upper
99 100
42 25.0 21.9 32.9
71 38.8 34.6 52.0

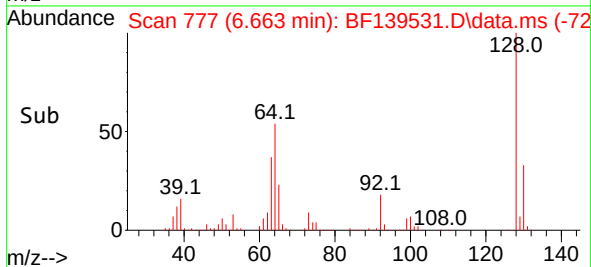
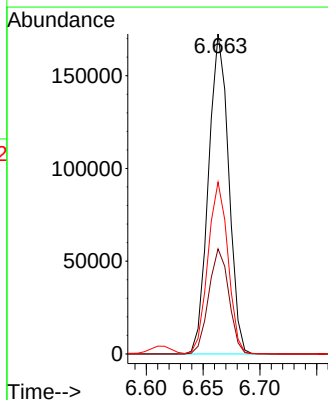
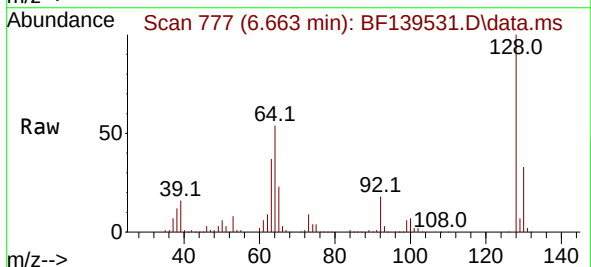
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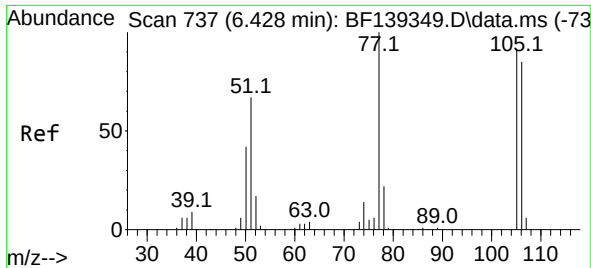
Reviewed By :Yogesh Patel 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#8
2-Chlorophenol
Concen: 48.939 ng
RT: 6.663 min Scan# 777
Delta R.T. -0.000 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Tgt Ion:128 Resp: 213027
Ion Ratio Lower Upper
128 100
130 32.9 12.8 52.8
64 53.7 35.1 75.1





#9
Benzaldehyde
Concen: 9.660 ng
RT: 6.428 min Scan# 71
Delta R.T. -0.000 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

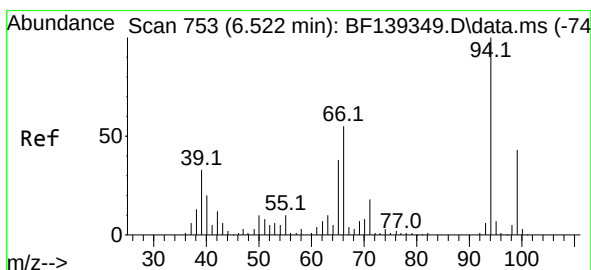
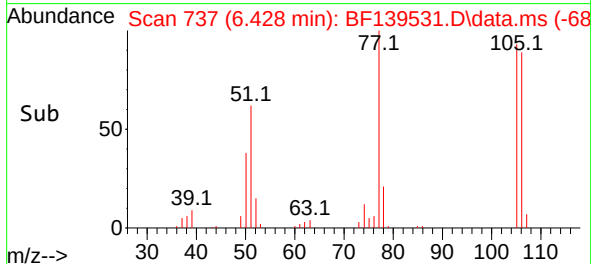
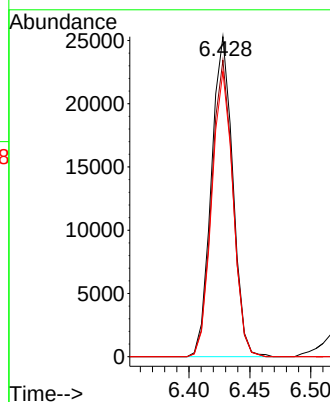
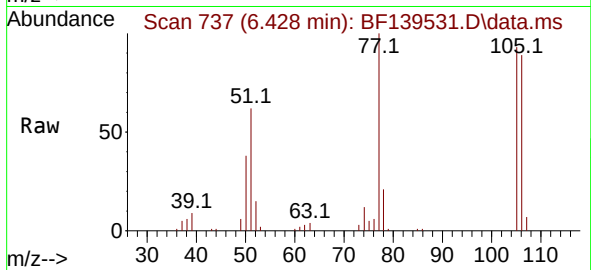
ClientSampleId :

PB163661BS

Tgt Ion: 77 Resp: 30979
Ion Ratio Lower Upper
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105 92.6 71.0 111.0
106 89.1 64.9 104.9

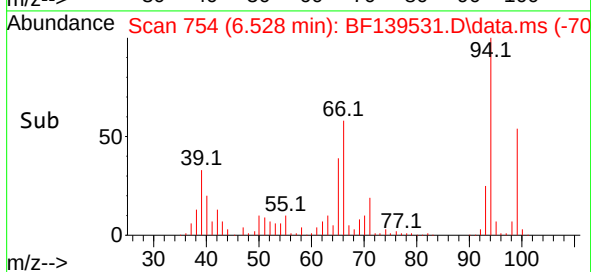
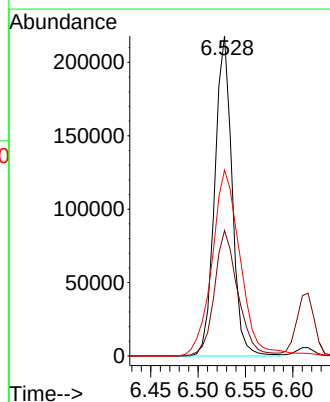
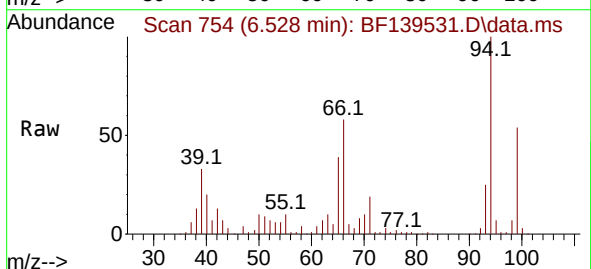
Manual Integrations
APPROVED

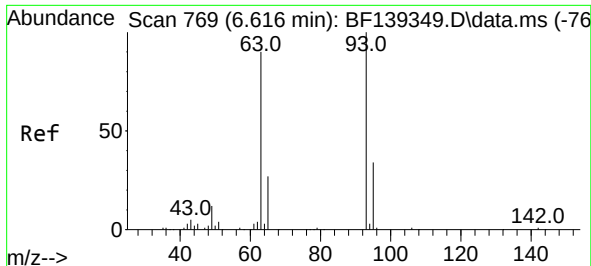
Reviewed By :Yogesh Patel 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#10
Phenol
Concen: 48.951 ng
RT: 6.528 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Tgt Ion: 94 Resp: 276719
Ion Ratio Lower Upper
94 100
65 39.2 17.6 57.6
66 58.1 35.2 75.2





#11
bis(2-Chloroethyl)ether
Concen: 49.216 ng
RT: 6.616 min Scan# 769
Delta R.T. -0.000 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

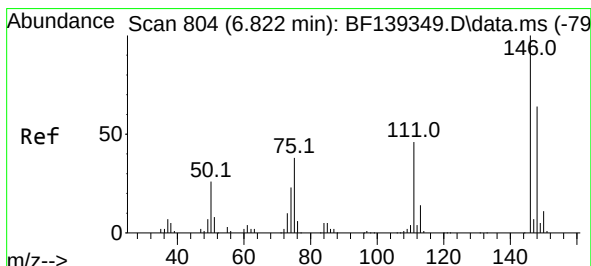
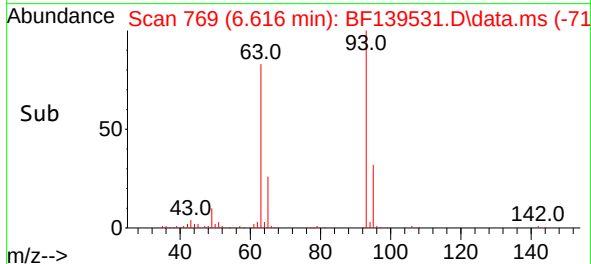
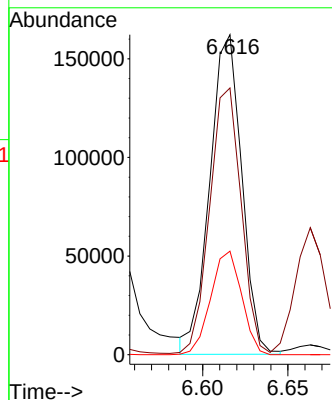
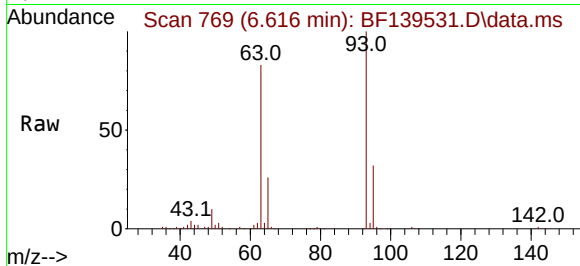
ClientSampleId :

PB163661BS

Tgt Ion: 93 Resp: 211460
Ion Ratio Lower Upper
93 100
63 83.4 65.3 105.3
95 32.4 12.4 52.4

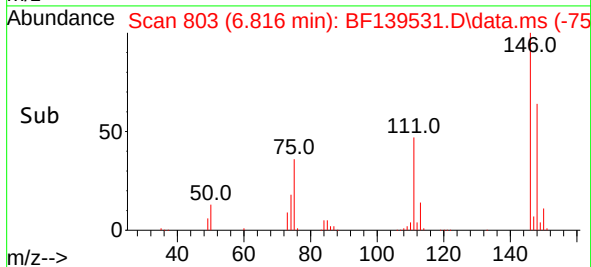
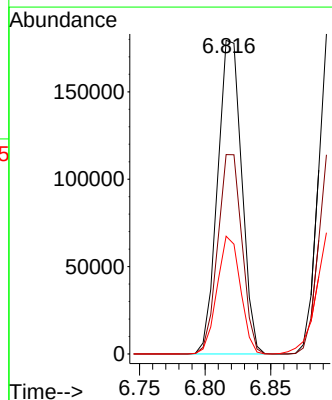
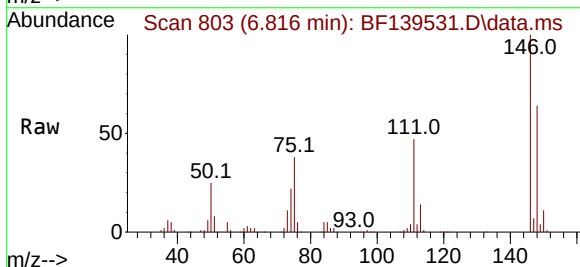
Manual Integrations
APPROVED

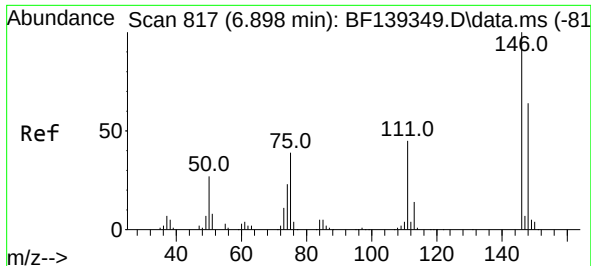
Reviewed By :Yogesh Patel 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#12
1,3-Dichlorobenzene
Concen: 46.303 ng
RT: 6.816 min Scan# 803
Delta R.T. -0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Tgt Ion:146 Resp: 229219
Ion Ratio Lower Upper
146 100
148 63.6 51.2 76.8
75 37.5 30.6 46.0





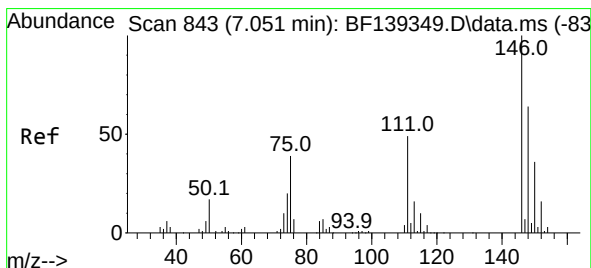
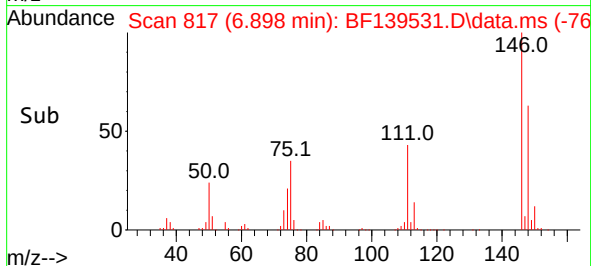
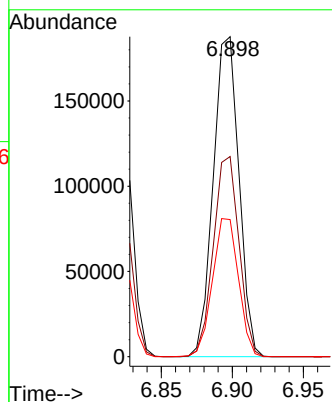
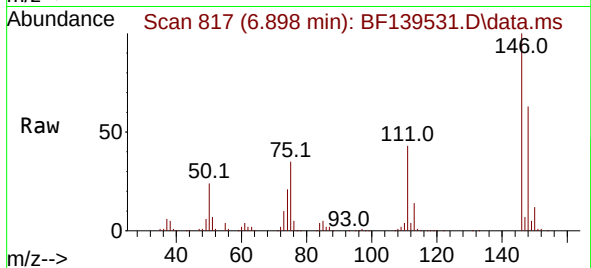
#13
1,4-Dichlorobenzene
Concen: 47.221 ng
RT: 6.898 min Scan# 817
Delta R.T. -0.000 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Instrument :
BNA_F
ClientSampleId :
PB163661BS

Tgt Ion:146 Resp: 236227
Ion Ratio Lower Upper
146 100
148 62.6 50.9 76.3
111 42.8 36.3 54.5

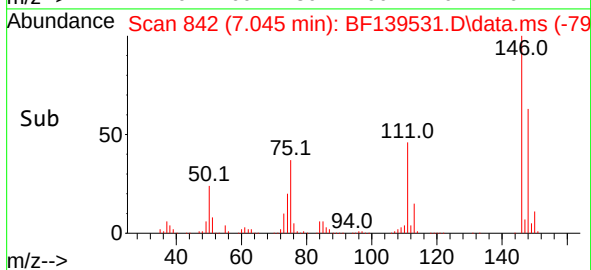
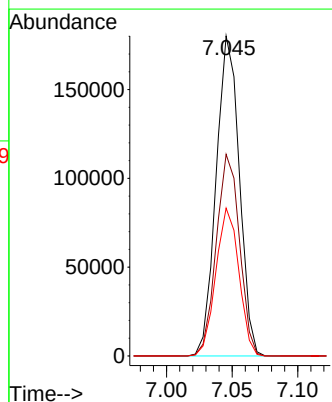
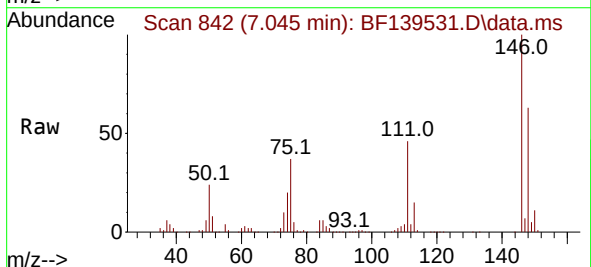
Manual Integrations
APPROVED

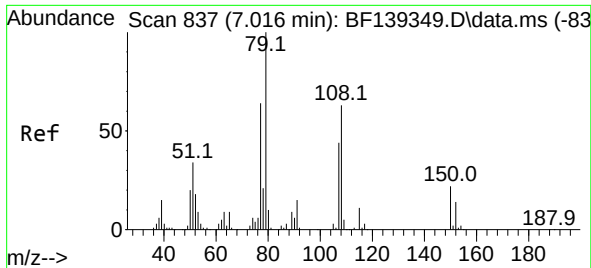
Reviewed By :Yogesh Patel 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#14
1,2-Dichlorobenzene
Concen: 46.825 ng
RT: 7.045 min Scan# 842
Delta R.T. -0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

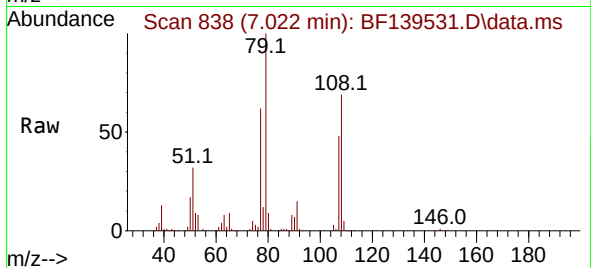
Tgt Ion:146 Resp: 221343
Ion Ratio Lower Upper
146 100
148 63.0 50.9 76.3
111 46.2 38.9 58.3





#15
Benzyl Alcohol
Concen: 46.766 ng
RT: 7.022 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

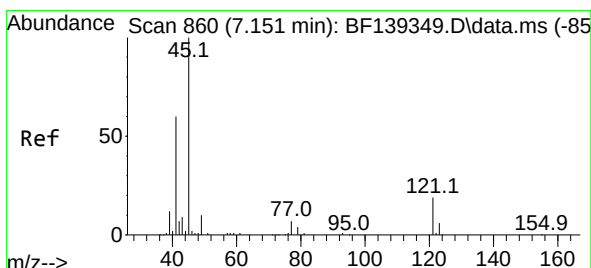
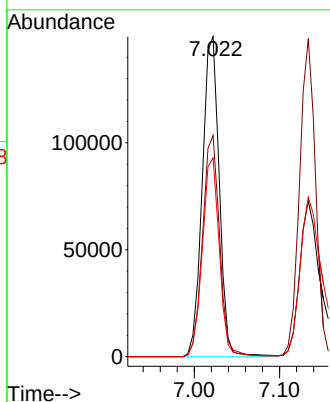
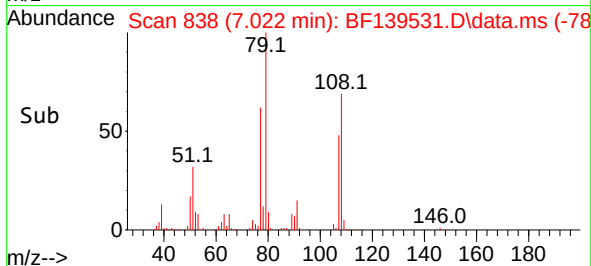
Instrument :
BNA_F
ClientSampleId :
PB163661BS



Tgt Ion: 79 Resp: 207088
Ion Ratio Lower Upper
79 100
108 69.1 50.4 75.6
77 62.1 51.4 77.2

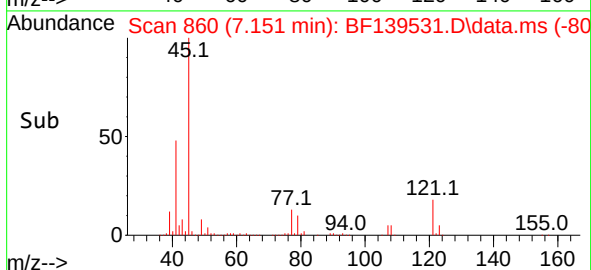
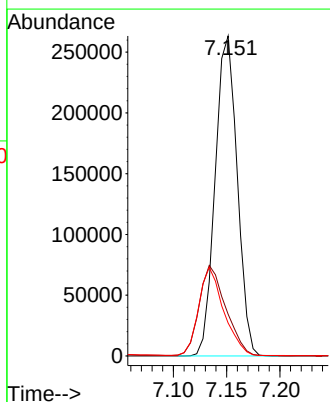
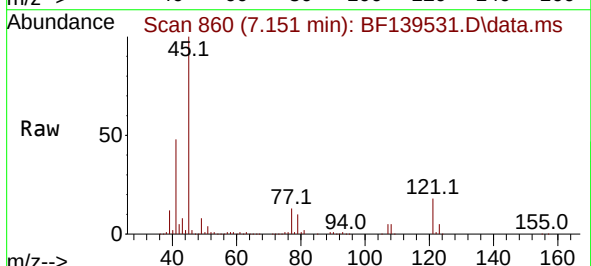
Manual Integrations
APPROVED

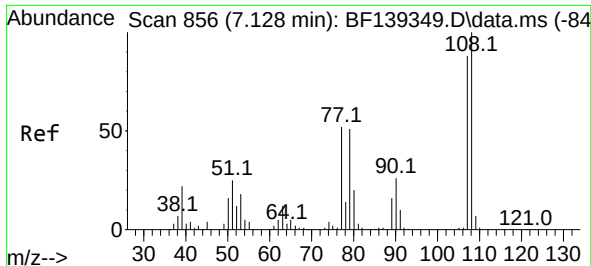
Reviewed By :Yogesh Patel 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#16
2,2'-oxybis(1-Chloropropane)
Concen: 57.128 ng
RT: 7.151 min Scan# 860
Delta R.T. -0.000 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Tgt Ion: 45 Resp: 378276
Ion Ratio Lower Upper
45 100
77 13.1 0.0 32.0
79 10.3 0.0 29.1





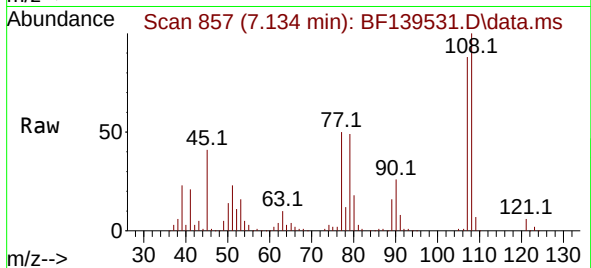
#17
2-Methylphenol
Concen: 49.152 ng
RT: 7.134 min Scan# 856
Delta R.T. 0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

ClientSampleId :

PB163661BS

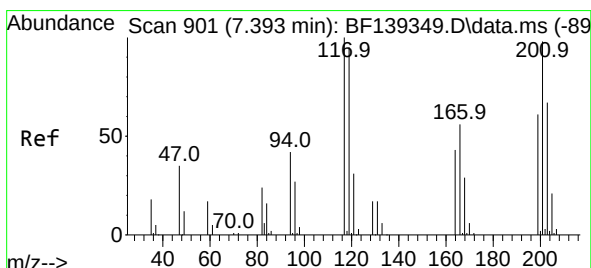
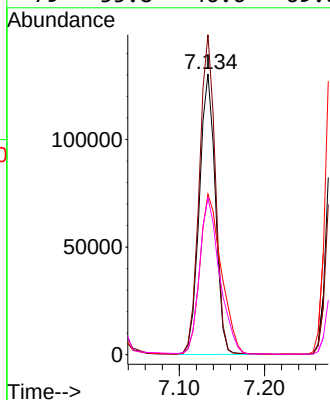
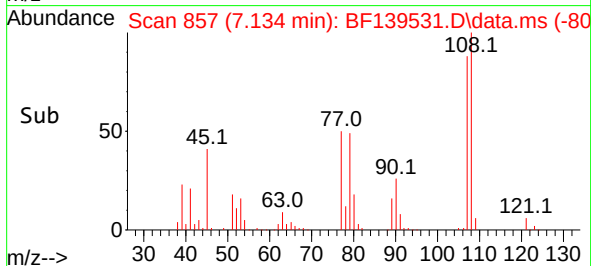


Tgt Ion:107 Resp: 169980
Ion Ratio Lower Upper
107 100
108 114.0 90.5 135.7
77 57.2 47.1 70.7
79 55.8 46.6 69.8

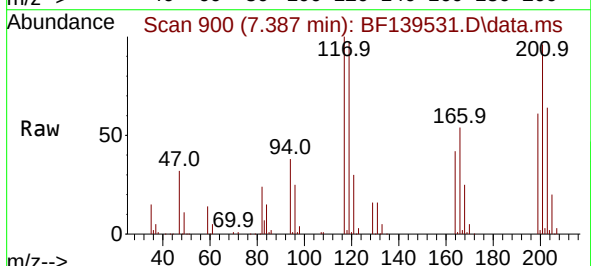
Manual Integrations

APPROVED

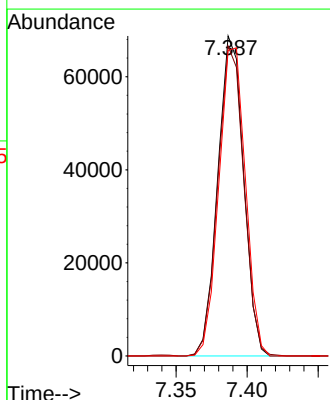
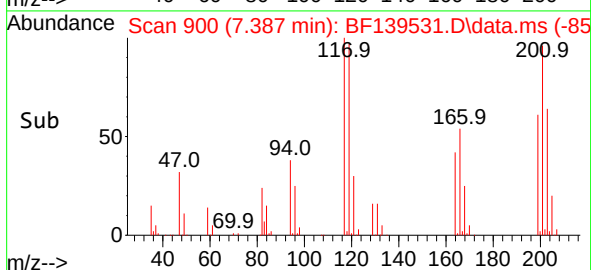
Reviewed By :Yogesh Patel 09/26/2024
Supervised By :mohammad ahmed 09/27/2024

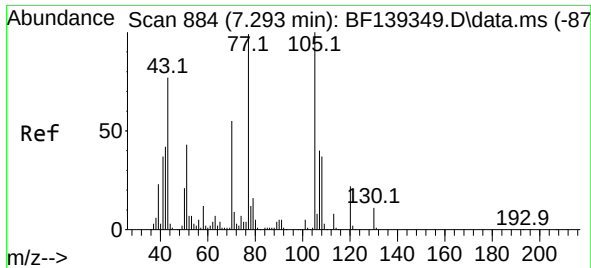


#18
Hexachloroethane
Concen: 45.616 ng
RT: 7.387 min Scan# 900
Delta R.T. -0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12



Tgt Ion:117 Resp: 86917
Ion Ratio Lower Upper
117 100
119 96.8 75.8 113.8
201 95.5 78.6 118.0





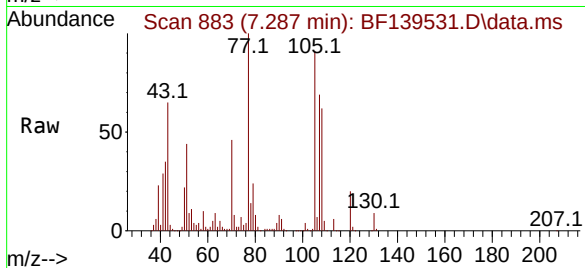
#19
n-Nitroso-di-n-propylamine
Concen: 48.847 ng
RT: 7.287 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

ClientSampleId :

PB163661BS

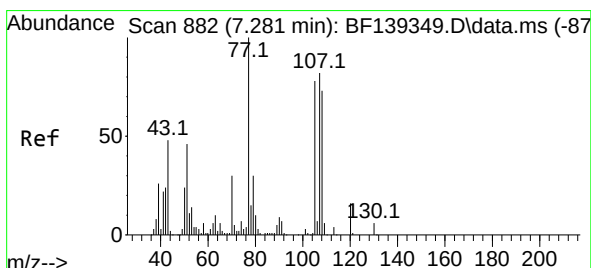
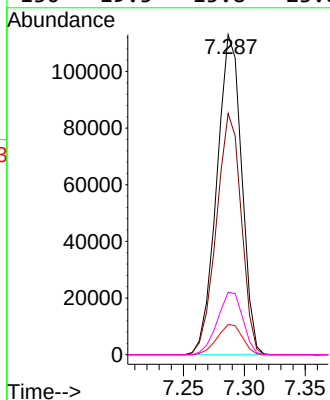
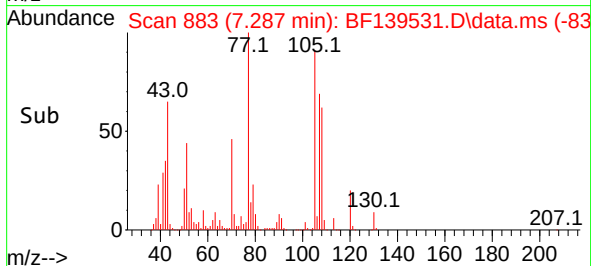


Tgt Ion: 70 Resp: 160662
Ion Ratio Lower Upper
70 100
42 75.4 61.2 91.8
101 9.5 7.5 11.3
130 19.5 15.8 23.8

Manual Integrations

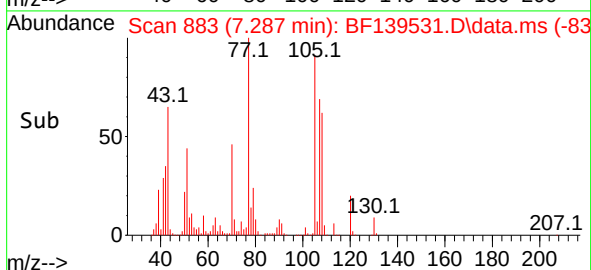
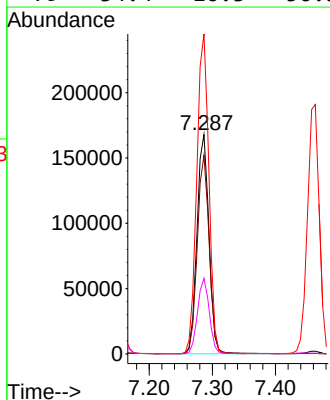
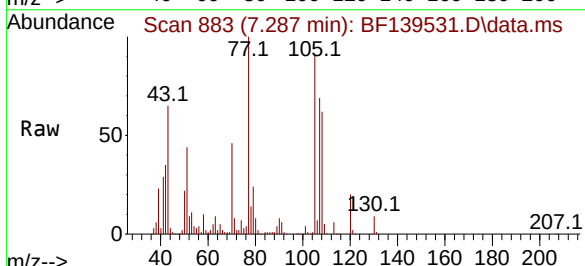
APPROVED

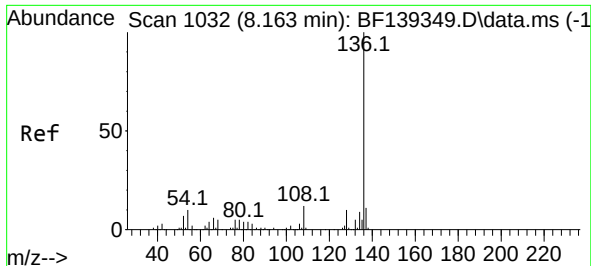
Reviewed By :Yogesh Patel 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#20
3+4-Methylphenols
Concen: 46.562 ng
RT: 7.287 min Scan# 883
Delta R.T. 0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Tgt Ion:107 Resp: 219693
Ion Ratio Lower Upper
107 100
108 90.5 68.6 108.6
77 145.9 101.6 141.6#
79 34.4 16.3 56.3





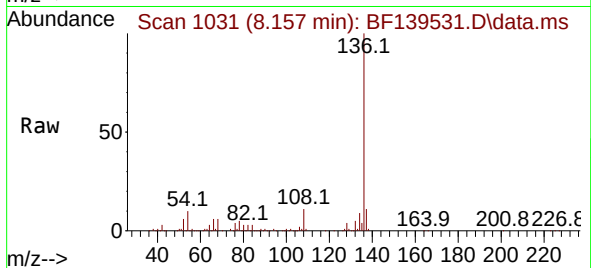
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.157 min Scan# 1031
Delta R.T. -0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

ClientSampleId :

PB163661BS



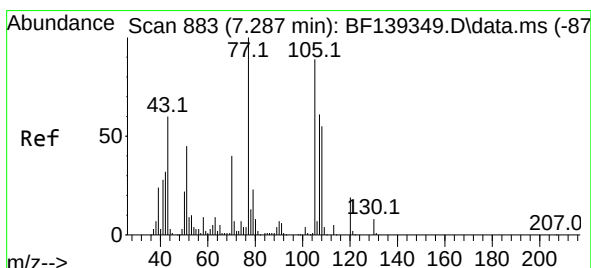
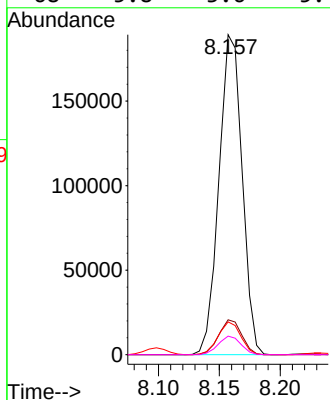
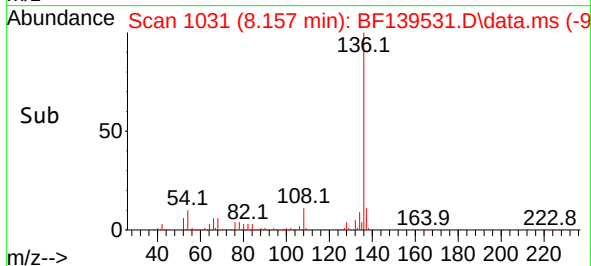
Tgt Ion:136 Resp: 251079
Ion Ratio Lower Upper
136 100
137 10.9 8.6 12.8
54 10.3 7.8 11.8
68 5.8 3.6 5.4#

Manual Integrations

APPROVED

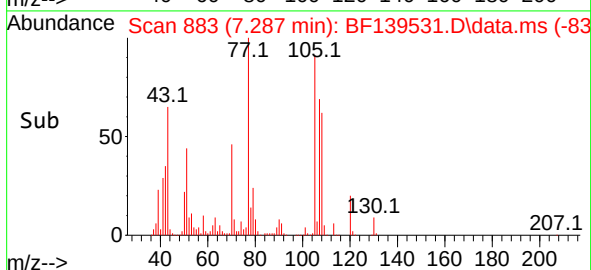
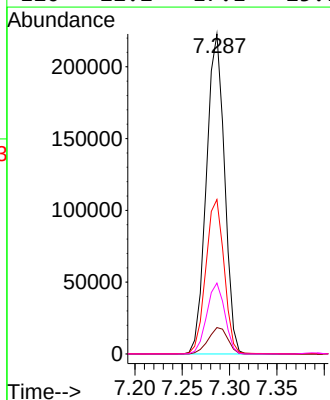
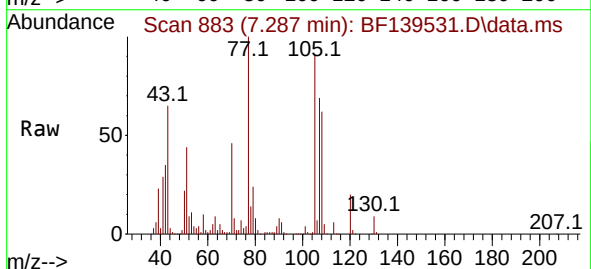
Reviewed By :Yogesh Patel 09/26/2024

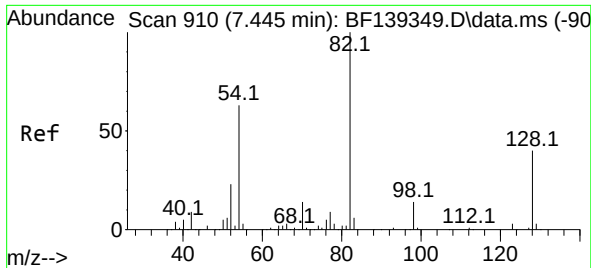
Supervised By :mohammad ahmed 09/27/2024



#22
Acetophenone
Concen: 45.167 ng
RT: 7.287 min Scan# 883
Delta R.T. -0.000 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Tgt Ion:105 Resp: 296474
Ion Ratio Lower Upper
105 100
71 8.3 5.9 8.9
51 48.3 40.0 60.0
120 22.2 17.1 25.7





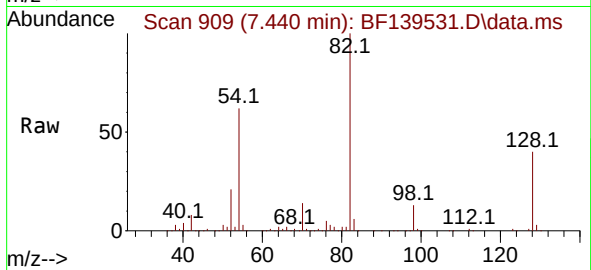
#23
Nitrobenzene-d5
Concen: 88.072 ng
RT: 7.440 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

ClientSampleId :

PB163661BS

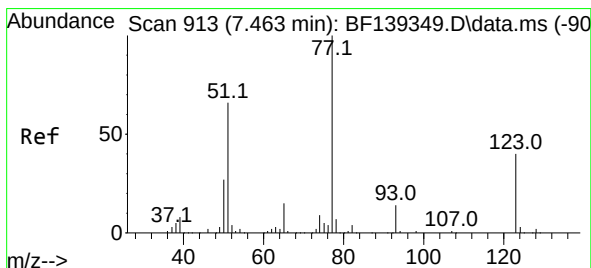
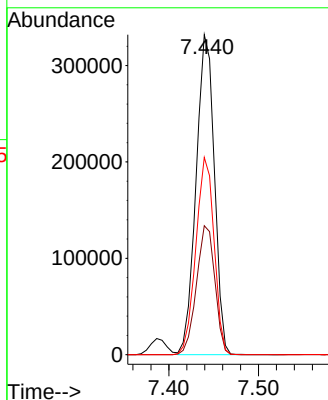
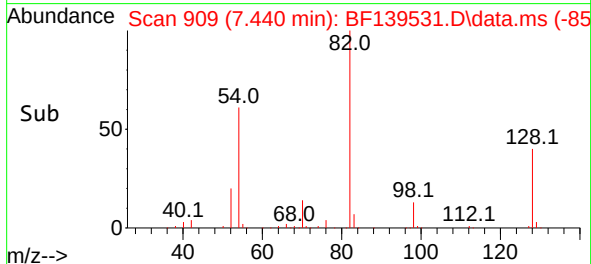


Tgt Ion: 82 Resp: 470375
Ion Ratio Lower Upper
82 100
128 40.3 31.8 47.6
54 61.7 50.6 75.8

Manual Integrations

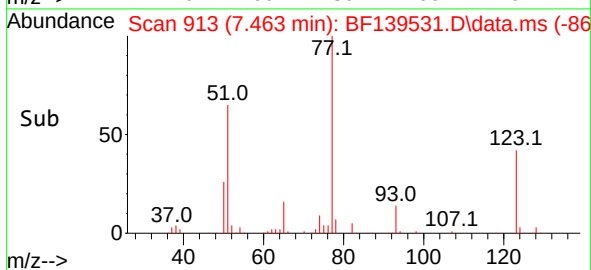
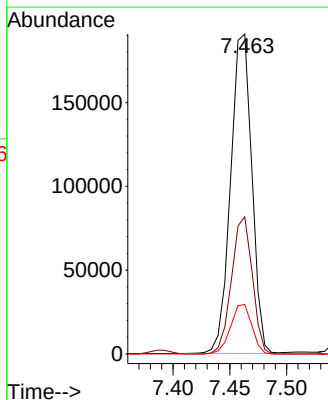
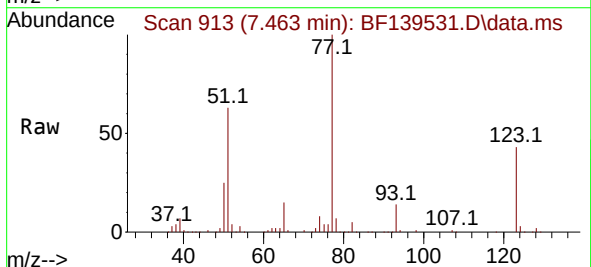
APPROVED

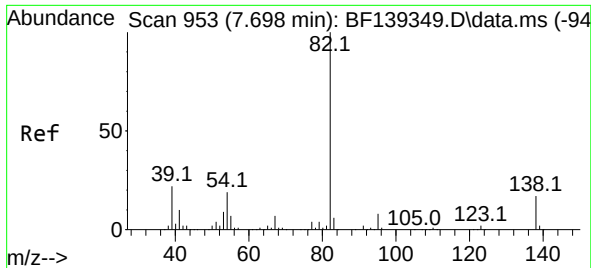
Reviewed By :Yogesh Patel 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#24
Nitrobenzene
Concen: 45.127 ng
RT: 7.463 min Scan# 913
Delta R.T. -0.000 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Tgt Ion: 77 Resp: 248055
Ion Ratio Lower Upper
77 100
123 42.8 32.2 48.4
65 15.4 12.2 18.4





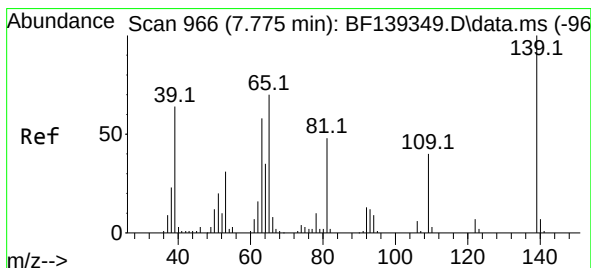
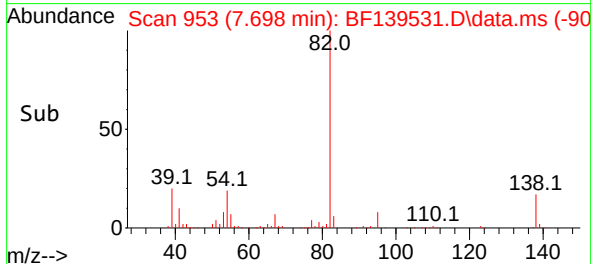
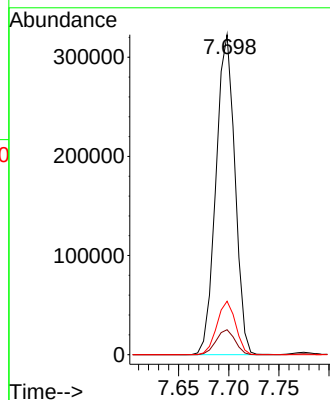
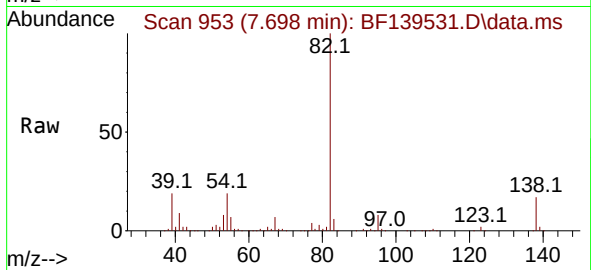
#25
Isophorone
Concen: 50.206 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Instrument :
BNA_F
ClientSampleId :
PB163661BS

Tgt Ion: 82 Resp: 424063
Ion Ratio Lower Upper
82 100
95 7.8 6.7 10.1
138 16.7 13.3 19.9

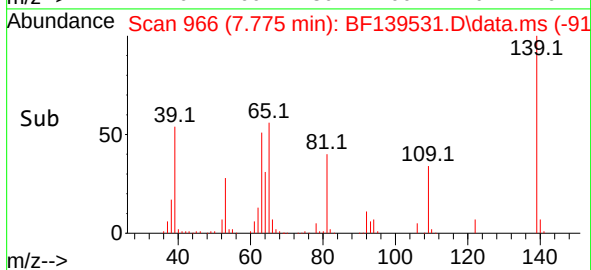
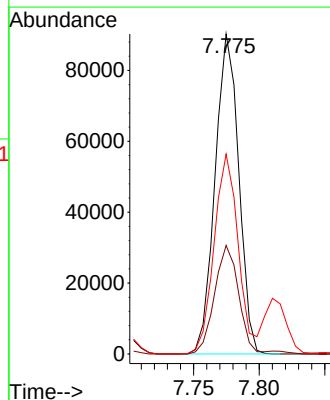
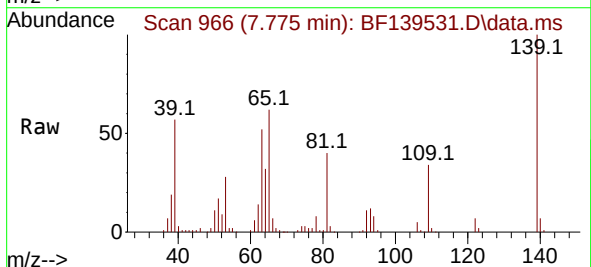
Manual Integrations
APPROVED

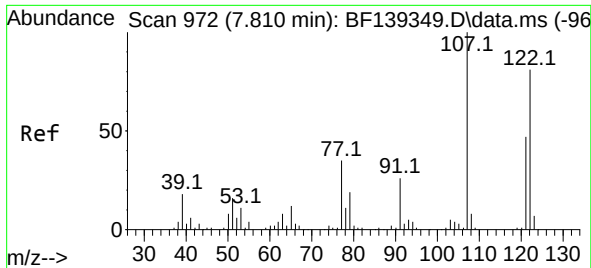
Reviewed By :Yogesh Patel 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#26
2-Nitrophenol
Concen: 52.868 ng
RT: 7.775 min Scan# 966
Delta R.T. -0.000 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Tgt Ion:139 Resp: 113219
Ion Ratio Lower Upper
139 100
109 33.9 32.2 48.2
65 62.4 55.8 83.8





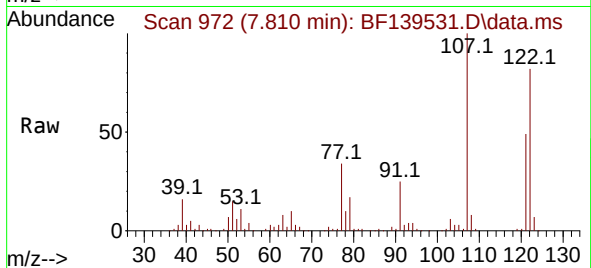
#27
2,4-Dimethylphenol
Concen: 60.089 ng
RT: 7.810 min Scan# 91
Delta R.T. -0.000 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

ClientSampleId :

PB163661BS



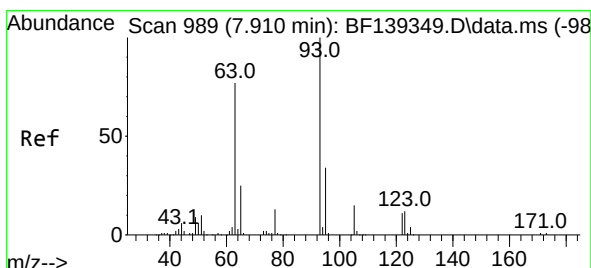
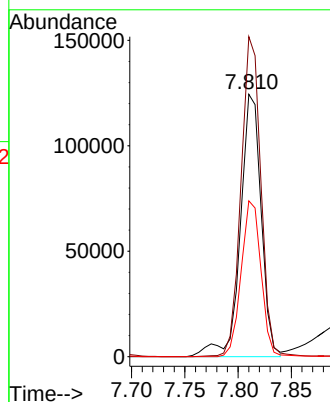
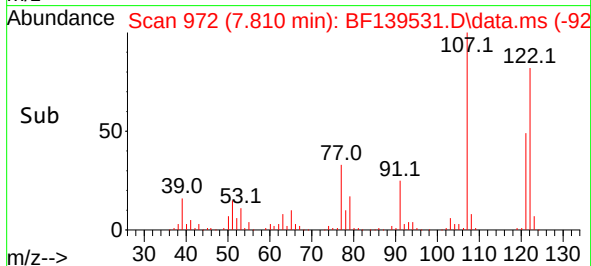
Tgt Ion:122 Resp: 169749
Ion Ratio Lower Upper
122 100
107 121.9 99.1 148.7
121 59.4 46.6 70.0

Manual Integrations

APPROVED

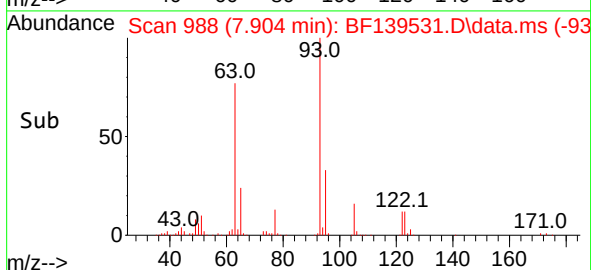
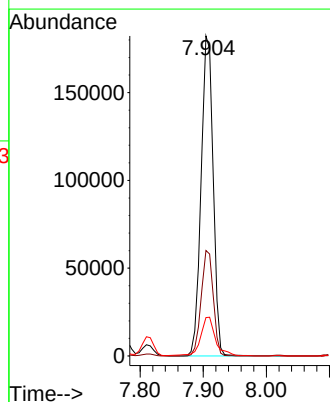
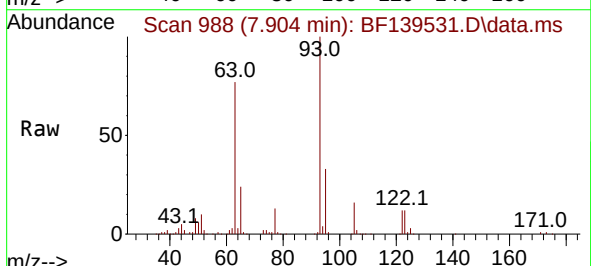
Reviewed By :Yogesh Patel 09/26/2024

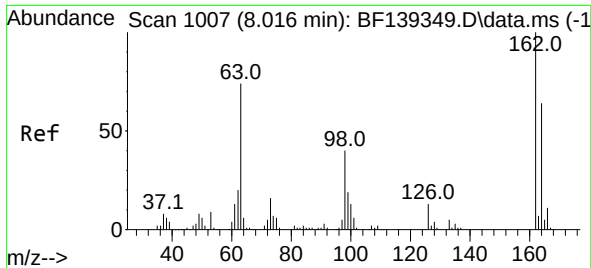
Supervised By :mohammad ahmed 09/27/2024



#28
bis(2-Chloroethoxy)methane
Concen: 50.342 ng
RT: 7.904 min Scan# 988
Delta R.T. -0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Tgt Ion: 93 Resp: 242340
Ion Ratio Lower Upper
93 100
95 32.9 26.9 40.3
123 12.0 10.0 15.0





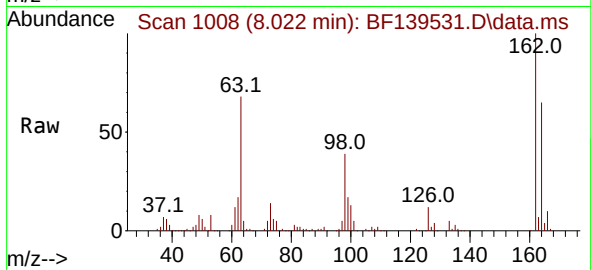
#29
2,4-Dichlorophenol
Concen: 49.205 ng
RT: 8.022 min Scan# 1008
Delta R.T. 0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

ClientSampleId :

PB163661BS

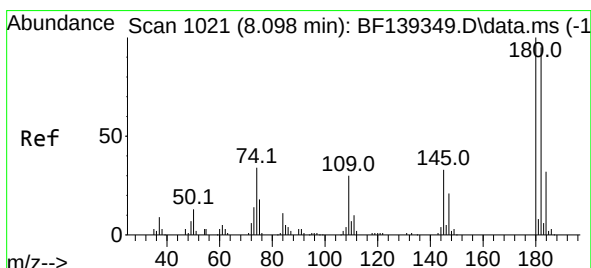
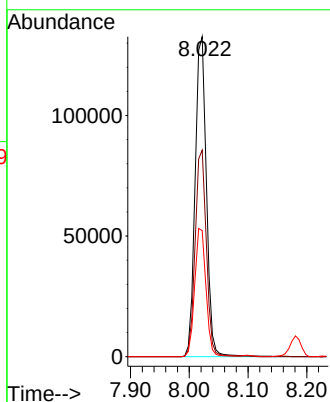
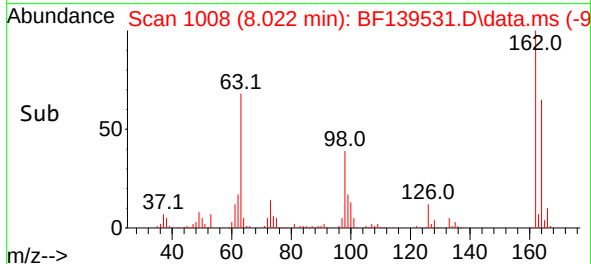


Tgt Ion:162 Resp: 17658
Ion Ratio Lower Upper
162 100
164 64.6 43.6 83.6
98 39.4 19.7 59.7

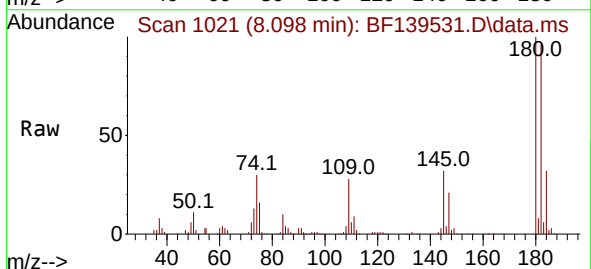
Manual Integrations

APPROVED

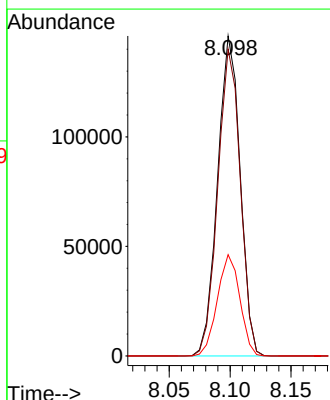
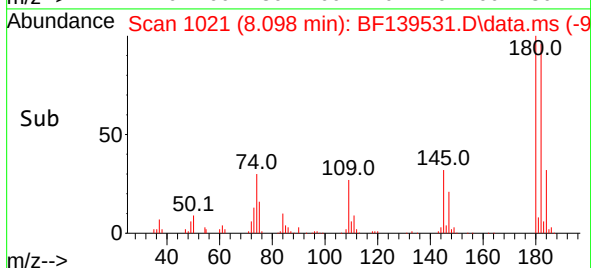
Reviewed By :Yogesh Patel 09/26/2024
Supervised By :mohammad ahmed 09/27/2024

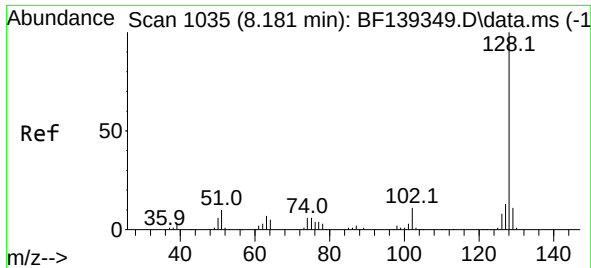


#30
1,2,4-Trichlorobenzene
Concen: 45.104 ng
RT: 8.098 min Scan# 1021
Delta R.T. -0.000 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12



Tgt Ion:180 Resp: 188600
Ion Ratio Lower Upper
180 100
182 95.9 75.7 113.5
145 31.7 26.5 39.7





#31
Naphthalene
Concen: 48.011 ng
RT: 8.181 min Scan# 1035
Delta R.T. -0.000 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

ClientSampleId :

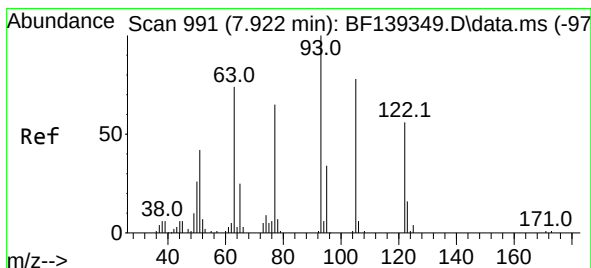
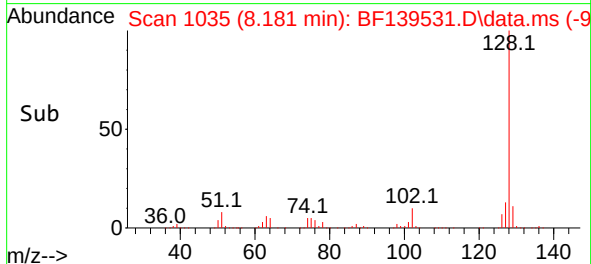
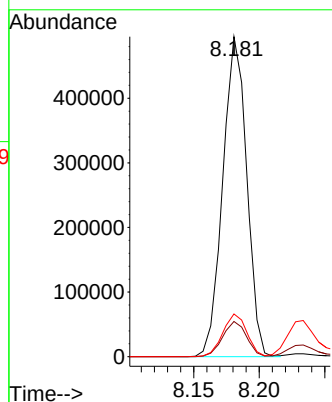
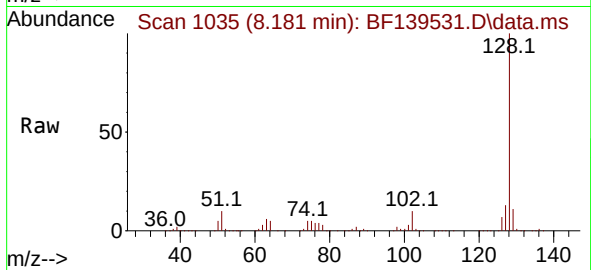
PB163661BS

Tgt Ion:128 Resp: 629319
Ion Ratio Lower Upper
128 100
129 11.0 8.6 13.0
127 13.4 10.6 16.0

Manual Integrations

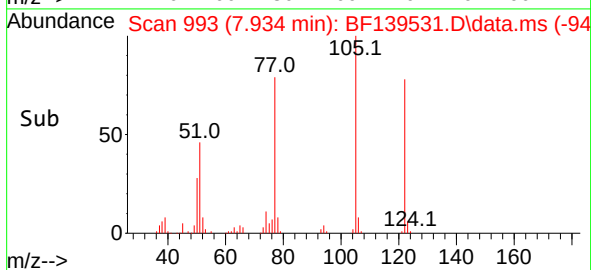
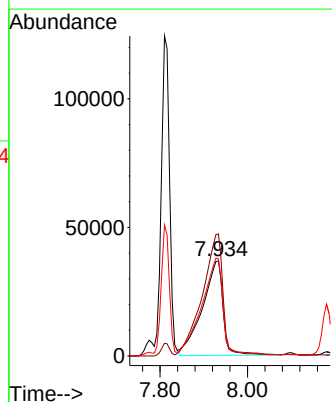
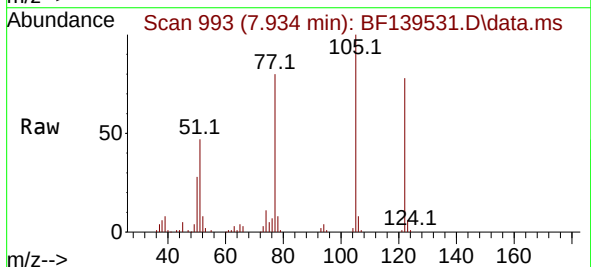
APPROVED

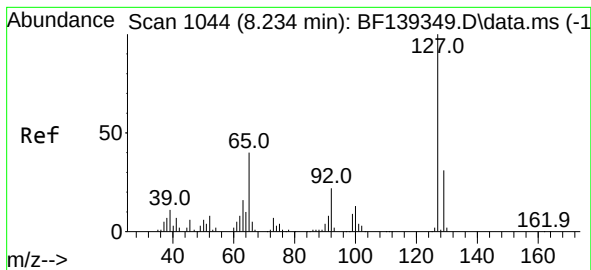
Reviewed By :Yogesh Patel 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#32
Benzoic acid
Concen: 45.551 ng
RT: 7.934 min Scan# 993
Delta R.T. 0.012 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Tgt Ion:122 Resp: 120418
Ion Ratio Lower Upper
122 100
105 128.4 117.1 157.1
77 102.2 95.4 135.4





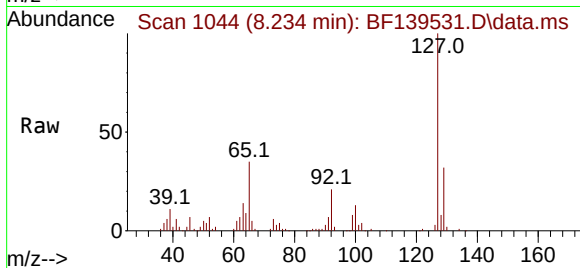
#33
4-Chloroaniline
Concen: 26.786 ng
RT: 8.234 min Scan# 1044
Delta R.T. -0.000 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

ClientSampleId :

PB163661BS

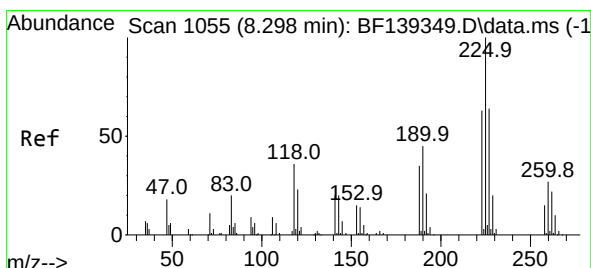
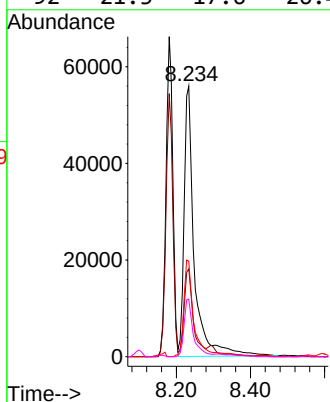
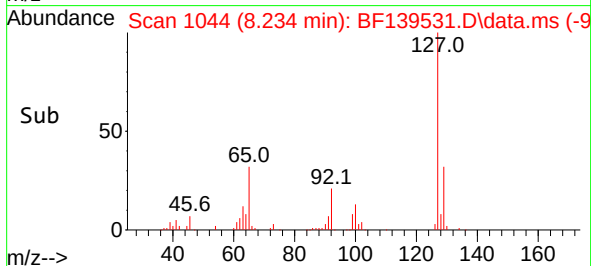


Tgt Ion:127 Resp: 10741
Ion Ratio Lower Upper
127 100
129 32.5 25.5 38.3
65 35.3 31.5 47.3
92 21.3 17.6 26.4

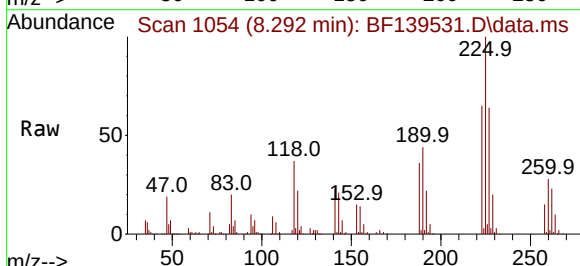
Manual Integrations

APPROVED

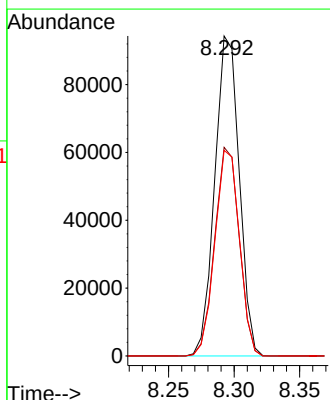
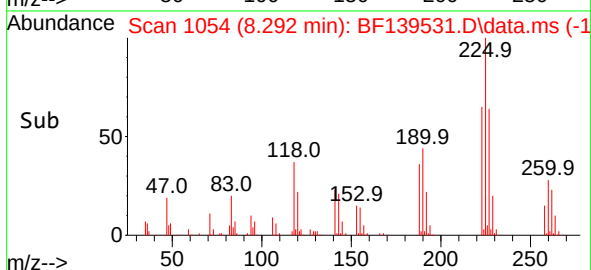
Reviewed By :Yogesh Patel 09/26/2024
Supervised By :mohammad ahmed 09/27/2024

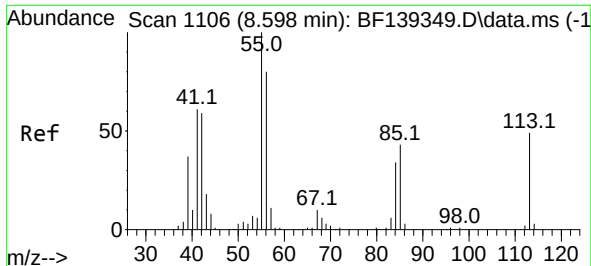


#34
Hexachlorobutadiene
Concen: 43.000 ng
RT: 8.292 min Scan# 1054
Delta R.T. -0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12



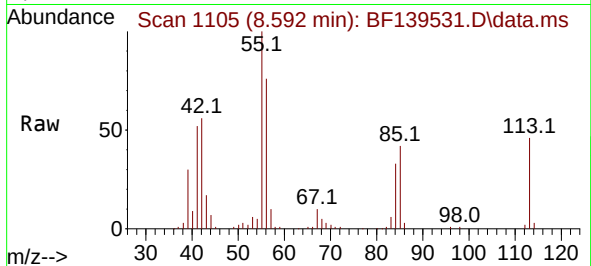
Tgt Ion:225 Resp: 122155
Ion Ratio Lower Upper
225 100
223 65.2 50.1 75.1
227 64.3 51.0 76.6





#35
Caprolactam
Concen: 53.055 ng m
RT: 8.592 min Scan# 1105
Delta R.T. -0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

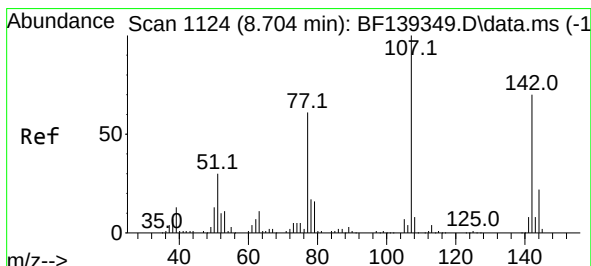
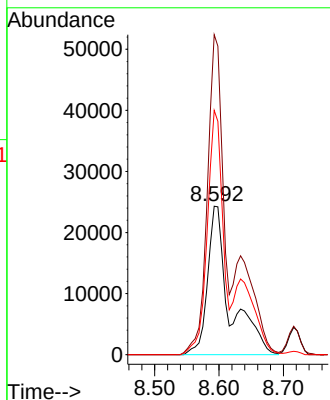
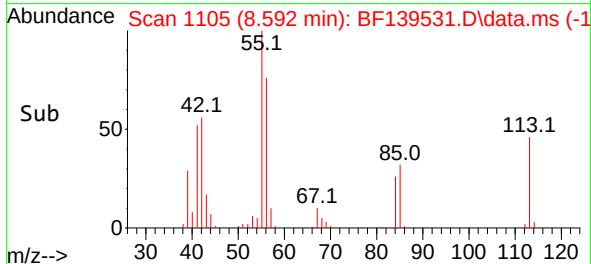
Instrument :
BNA_F
ClientSampleId :
PB163661BS



Tgt Ion:113 Resp: 5856
Ion Ratio Lower Upper
113 100
55 215.6 186.1 226.1
56 164.6 144.9 184.9

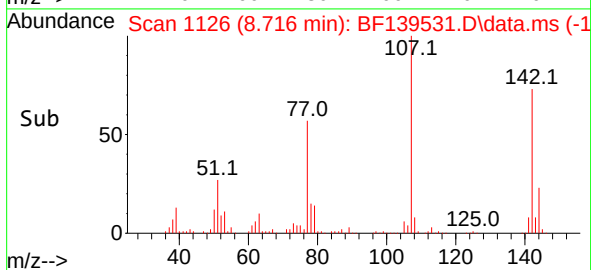
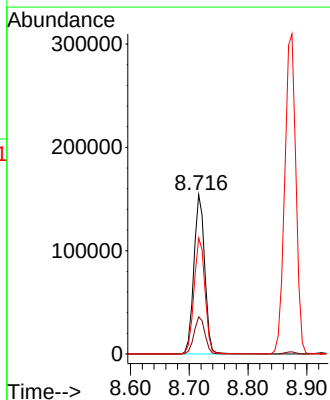
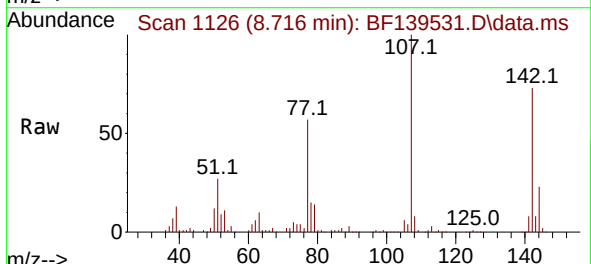
Manual Integrations
APPROVED

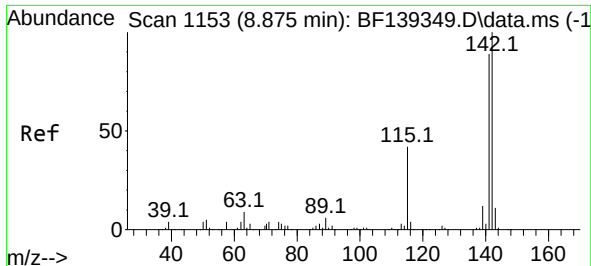
Reviewed By :Yogesh Patel 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#36
4-Chloro-3-methylphenol
Concen: 48.373 ng
RT: 8.716 min Scan# 1126
Delta R.T. 0.012 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Tgt Ion:107 Resp: 198394
Ion Ratio Lower Upper
107 100
144 23.3 17.5 26.3
142 72.8 55.8 83.8





#37
2-Methylnaphthalene
Concen: 48.999 ng
RT: 8.875 min Scan# 1153
Delta R.T. -0.000 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

ClientSampleId :

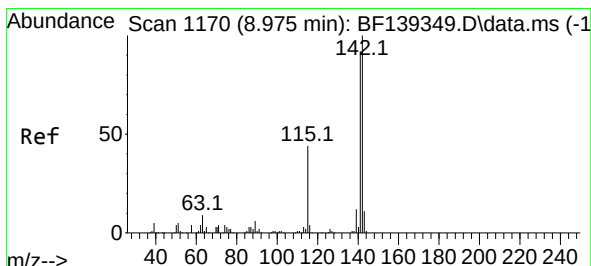
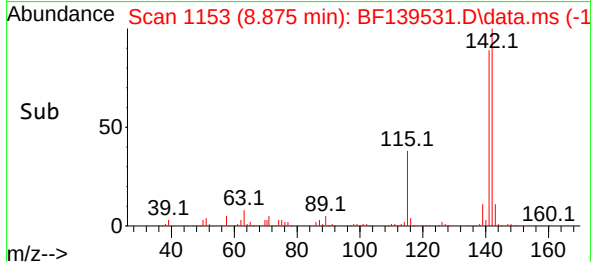
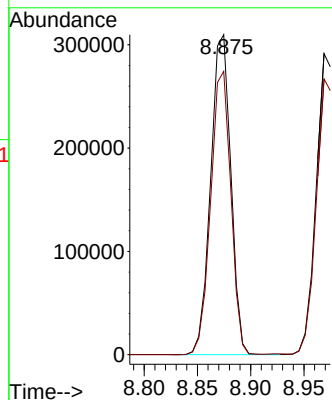
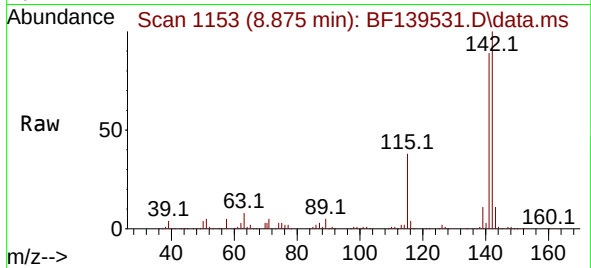
PB163661BS

Tgt Ion:142 Resp: 407670
Ion Ratio Lower Upper
142 100
141 88.5 71.6 107.4

Manual Integrations

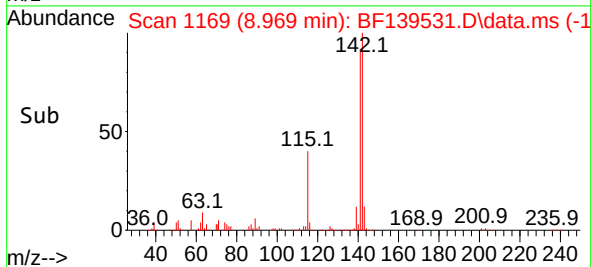
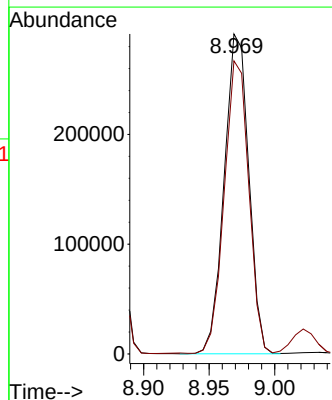
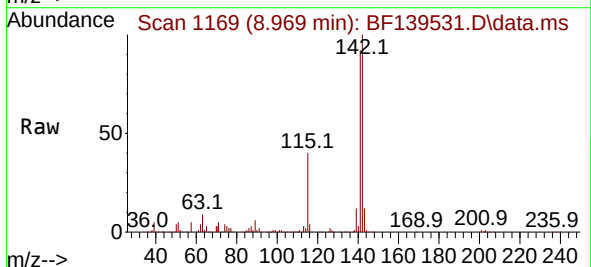
APPROVED

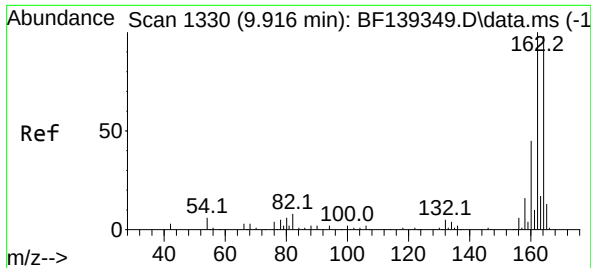
Reviewed By :Yogesh Patel 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#38
1-Methylnaphthalene
Concen: 46.397 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Tgt Ion:142 Resp: 378983
Ion Ratio Lower Upper
142 100
141 91.6 73.2 109.8





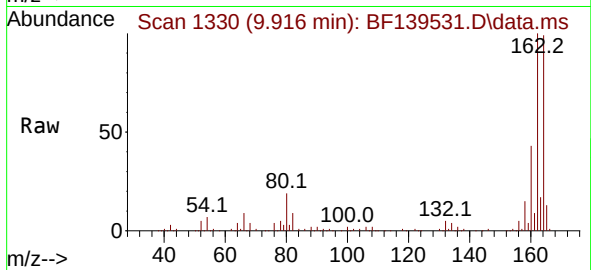
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.916 min Scan# 1180
Delta R.T. -0.000 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

ClientSampleId :

PB163661BS



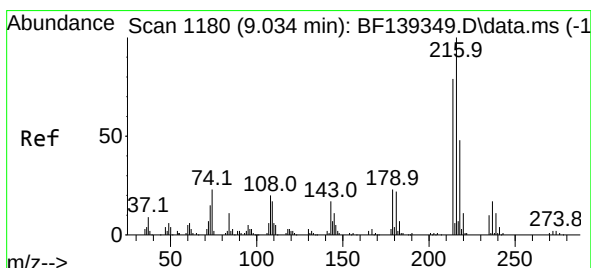
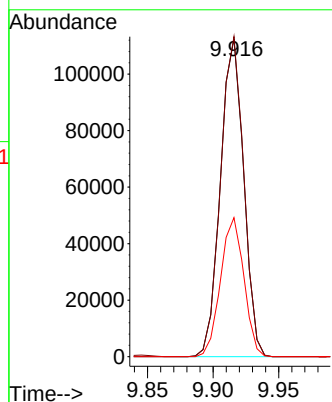
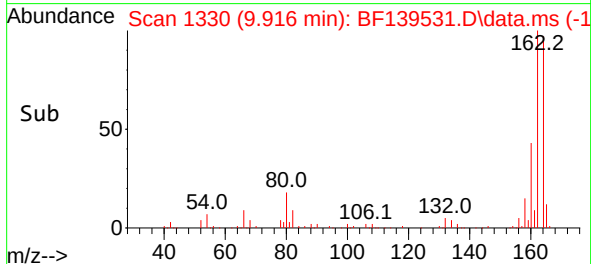
Tgt Ion:164 Resp: 138500
Ion Ratio Lower Upper
164 100
162 100.7 81.3 121.9
160 43.8 36.4 54.6

Manual Integrations

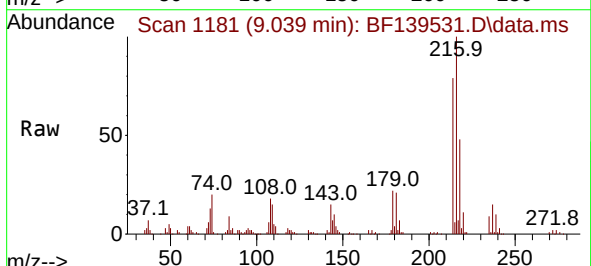
APPROVED

Reviewed By :Yogesh Patel 09/26/2024

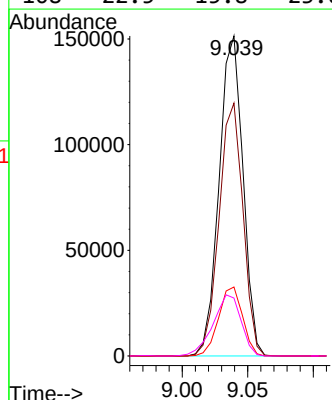
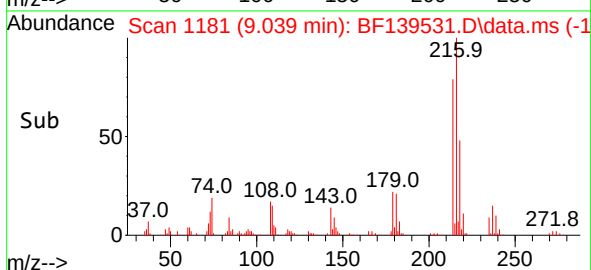
Supervised By :mohammad ahmed 09/27/2024

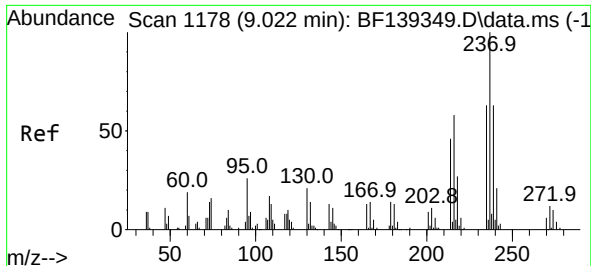


#40
1,2,4,5-Tetrachlorobenzene
Concen: 46.637 ng
RT: 9.039 min Scan# 1181
Delta R.T. 0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12



Tgt Ion:216 Resp: 191433
Ion Ratio Lower Upper
216 100
214 79.2 63.4 95.0
179 21.7 18.2 27.2
108 22.5 15.8 23.6





#41
Hexachlorocyclopentadiene
Concen: 160.168 ng
RT: 9.022 min Scan# 1178
Delta R.T. -0.000 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

ClientSampleId :

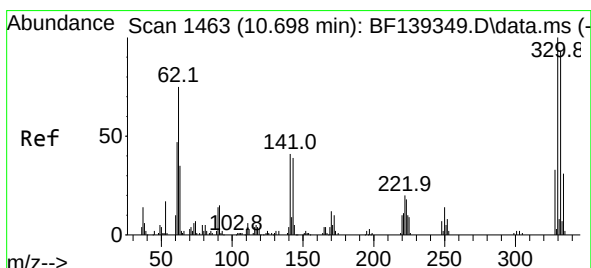
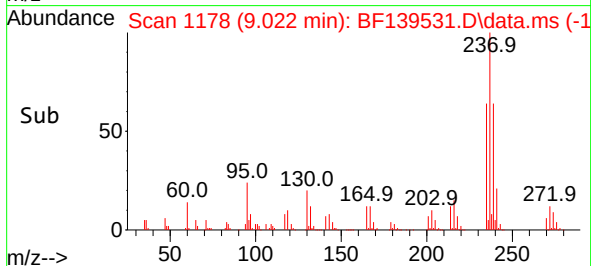
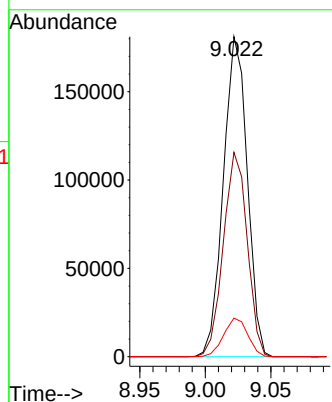
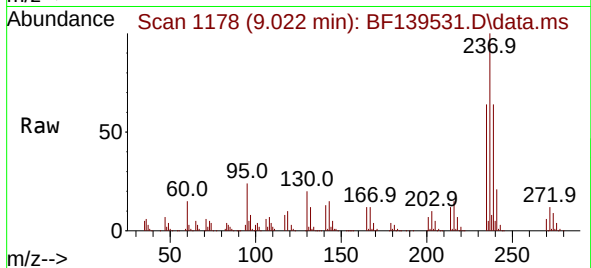
PB163661BS

Tgt Ion:237 Resp: 22955
Ion Ratio Lower Upper
237 100
235 63.8 42.7 82.7
272 12.1 0.0 32.5

Manual Integrations

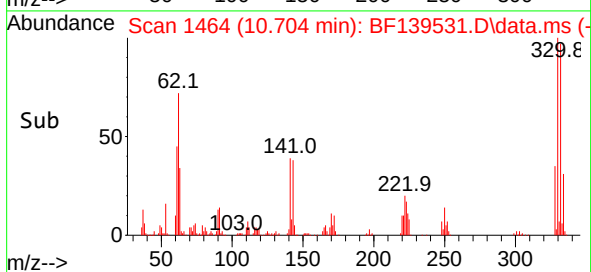
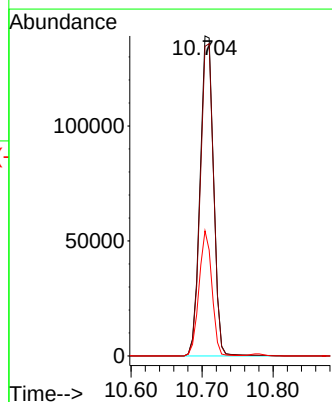
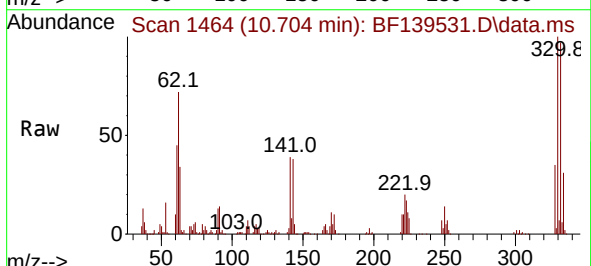
APPROVED

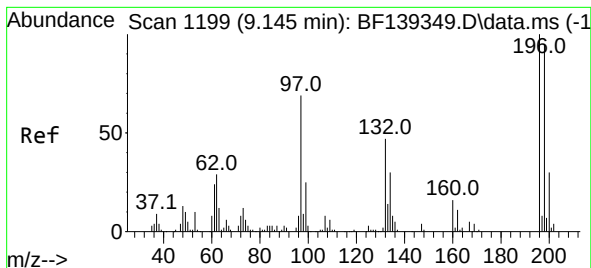
Reviewed By :Yogesh Patel 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#42
2,4,6-Tribromophenol
Concen: 124.680 ng
RT: 10.704 min Scan# 1464
Delta R.T. 0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Tgt Ion:330 Resp: 183840
Ion Ratio Lower Upper
330 100
332 97.2 75.2 112.8
141 37.4 31.2 46.8





#43

2,4,6-Trichlorophenol

Concen: 48.994 ng

RT: 9.151 min Scan# 1199

Delta R.T. 0.006 min

Lab File: BF139531.D

Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

ClientSampleId :

PB163661BS

Tgt Ion:196 Resp: 130838

Ion Ratio Lower Upper

196 100

198 96.6 75.8 113.6

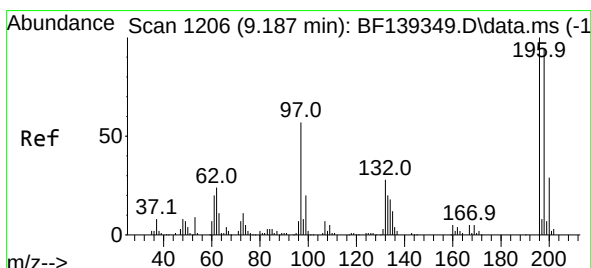
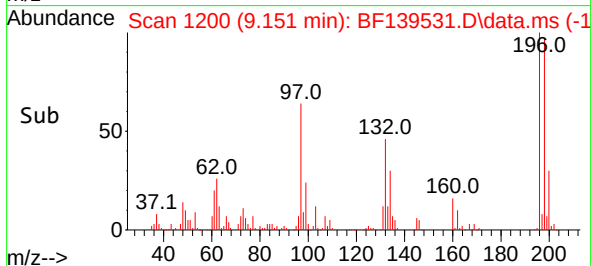
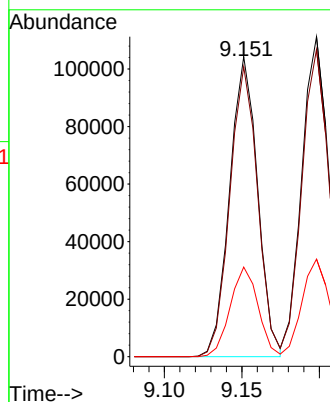
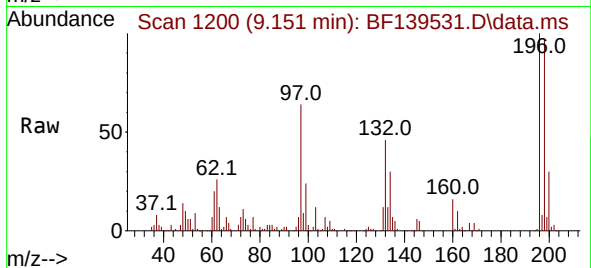
200 29.9 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/26/2024

Supervised By :mohammad ahmed 09/27/2024



#44

2,4,5-Trichlorophenol

Concen: 49.077 ng

RT: 9.198 min Scan# 1208

Delta R.T. 0.012 min

Lab File: BF139531.D

Acq: 25 Sep 2024 16:12

Tgt Ion:196 Resp: 138247

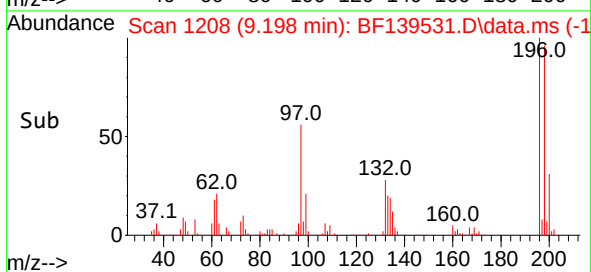
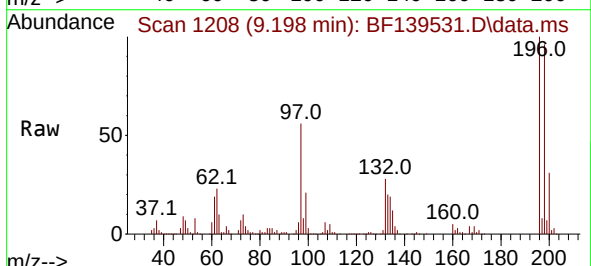
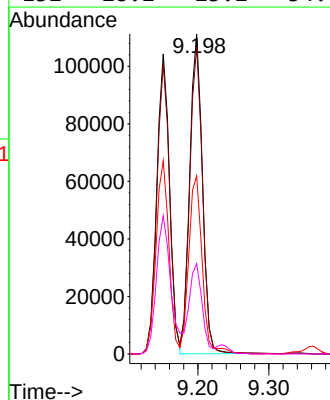
Ion Ratio Lower Upper

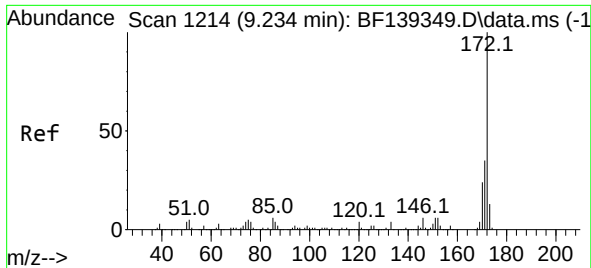
196 100

198 96.1 74.8 112.2

97 55.7 47.3 70.9

132 28.2 23.2 34.8





#45
2-Fluorobiphenyl
Concen: 86.629 ng
RT: 9.234 min Scan# 1214
Delta R.T. -0.000 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

ClientSampleId :

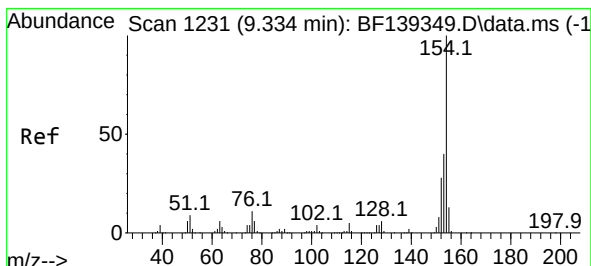
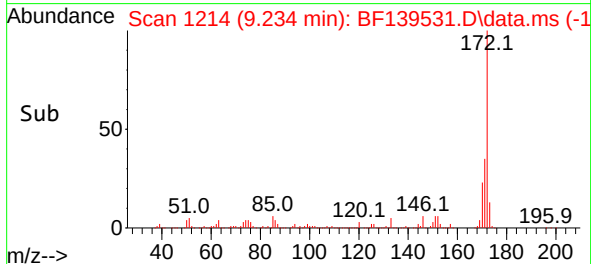
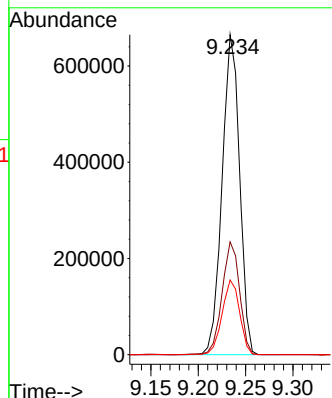
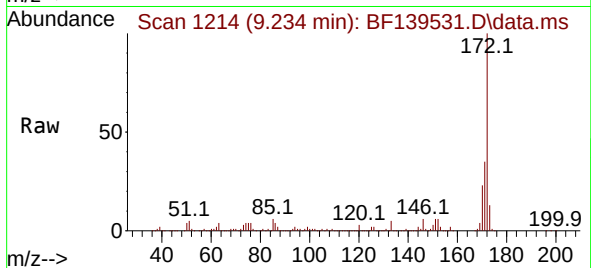
PB163661BS

Tgt Ion:172 Resp: 855468
Ion Ratio Lower Upper
172 100
171 35.2 28.3 42.5
170 23.4 19.0 28.6

Manual Integrations

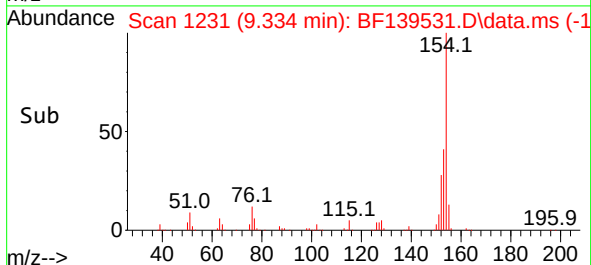
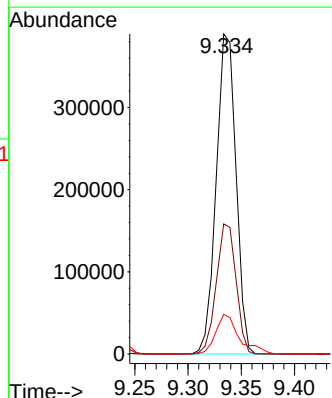
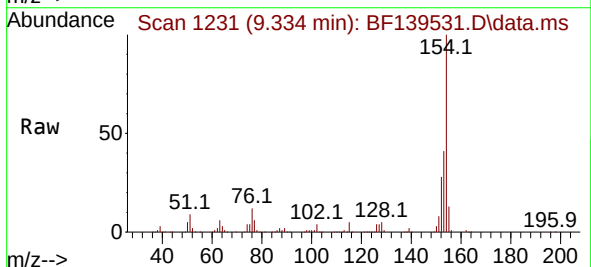
APPROVED

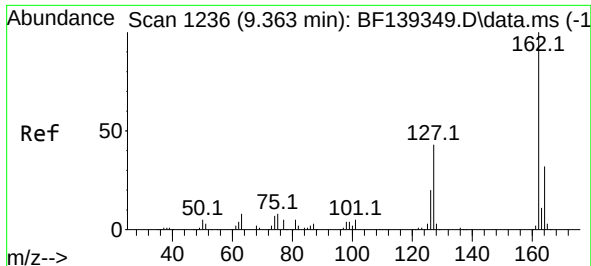
Reviewed By :Yogesh Patel 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#46
1,1'-Biphenyl
Concen: 47.140 ng
RT: 9.334 min Scan# 1231
Delta R.T. -0.000 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Tgt Ion:154 Resp: 502282
Ion Ratio Lower Upper
154 100
153 40.7 20.1 60.1
76 12.4 0.0 31.1





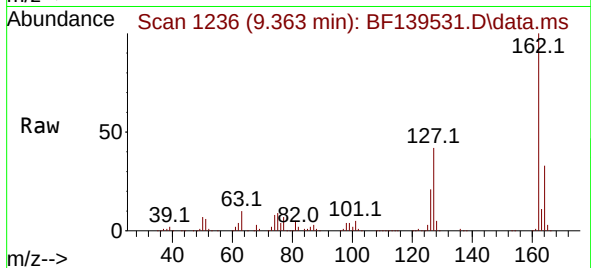
#47
2-Chloronaphthalene
Concen: 47.254 ng
RT: 9.363 min Scan# 1236
Delta R.T. -0.000 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

ClientSampleId :

PB163661BS



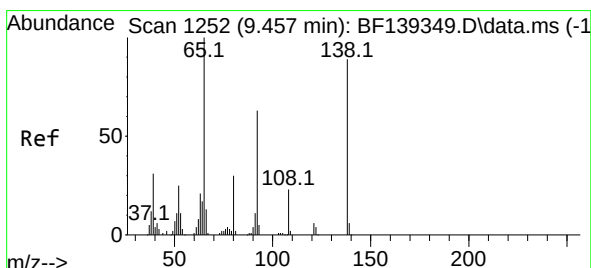
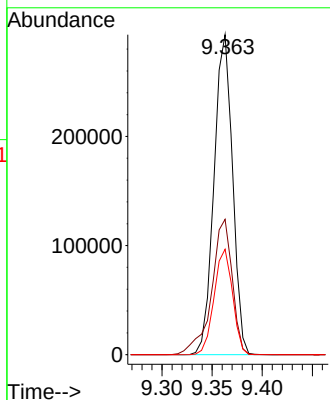
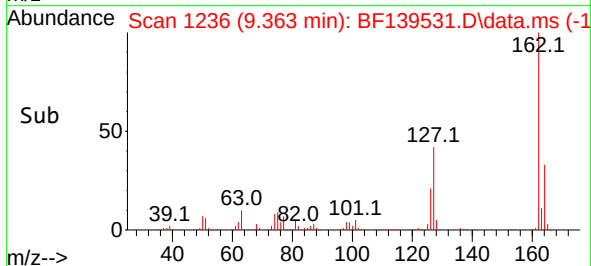
Tgt Ion:162 Resp: 376468
Ion Ratio Lower Upper
162 100
127 42.3 35.0 52.4
164 33.0 25.8 38.6

Manual Integrations

APPROVED

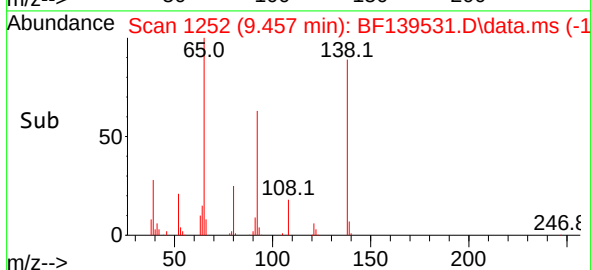
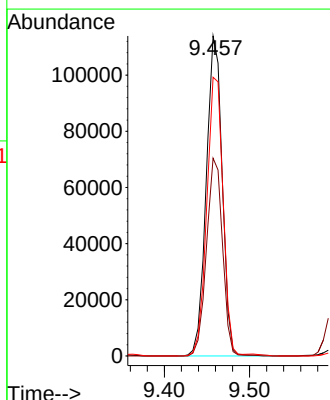
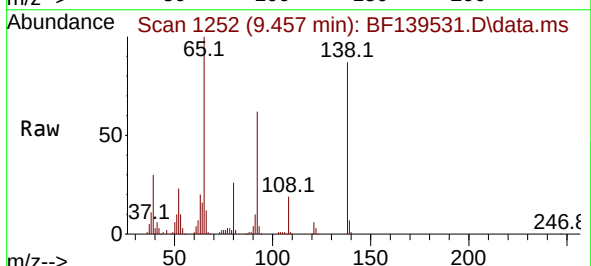
Reviewed By :Yogesh Patel 09/26/2024

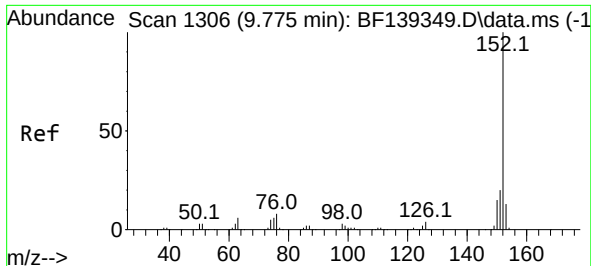
Supervised By :mohammad ahmed 09/27/2024



#48
2-Nitroaniline
Concen: 49.986 ng
RT: 9.457 min Scan# 1252
Delta R.T. -0.000 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Tgt Ion: 65 Resp: 148121
Ion Ratio Lower Upper
65 100
92 61.8 50.3 75.5
138 87.1 71.3 106.9





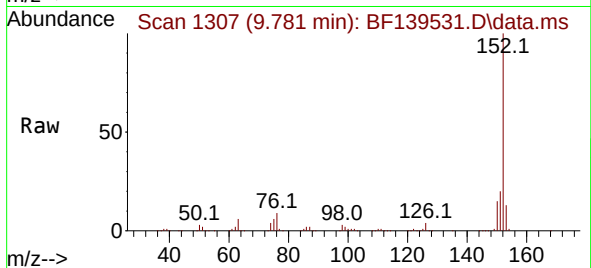
#49
Acenaphthylene
Concen: 52.448 ng
RT: 9.781 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

ClientSampleId :

PB163661BS



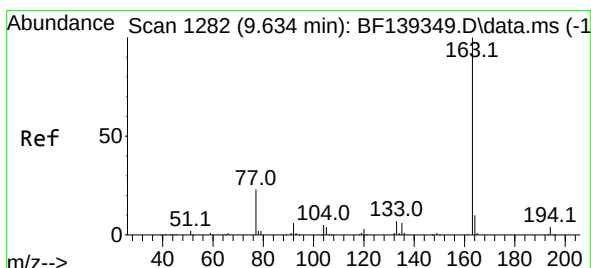
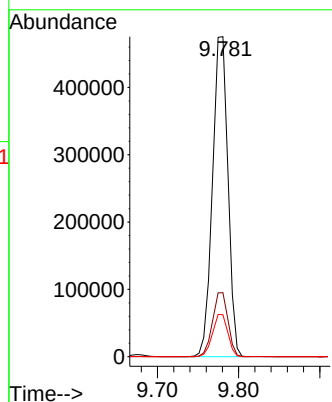
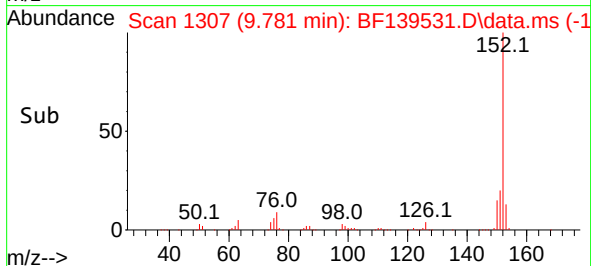
Tgt Ion:152 Resp: 62898
Ion Ratio Lower Upper
152 100
151 20.0 16.2 24.2
153 13.1 10.3 15.5

Manual Integrations

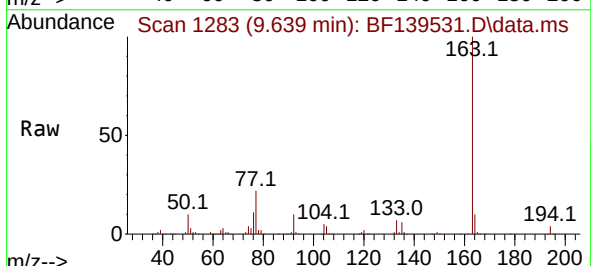
APPROVED

Reviewed By :Yogesh Patel 09/26/2024

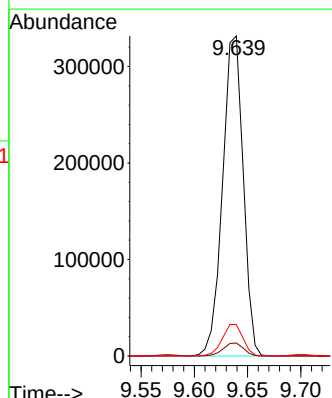
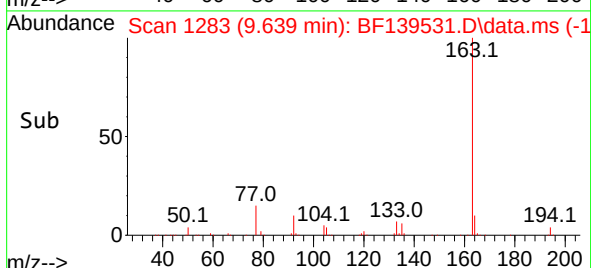
Supervised By :mohammad ahmed 09/27/2024

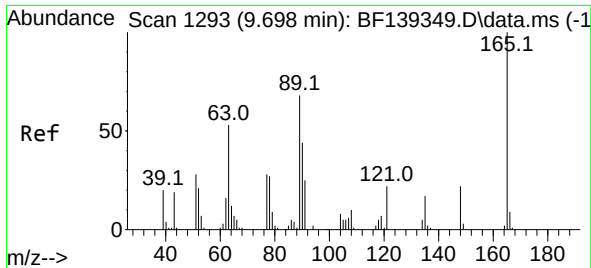


#50
Dimethylphthalate
Concen: 49.083 ng
RT: 9.639 min Scan# 1283
Delta R.T. 0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12



Tgt Ion:163 Resp: 446185
Ion Ratio Lower Upper
163 100
194 4.1 3.1 4.7
164 9.8 8.2 12.2





#51
2,6-Dinitrotoluene
Concen: 49.111 ng
RT: 9.698 min Scan# 1293
Delta R.T. -0.000 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

ClientSampleId :

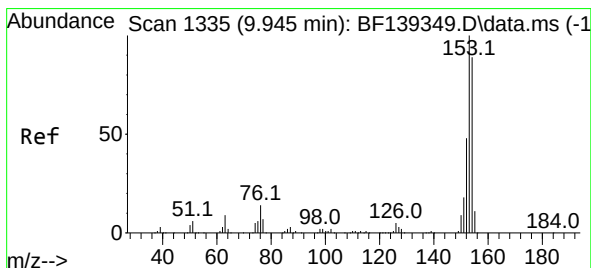
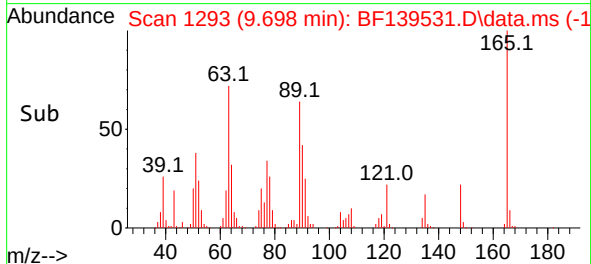
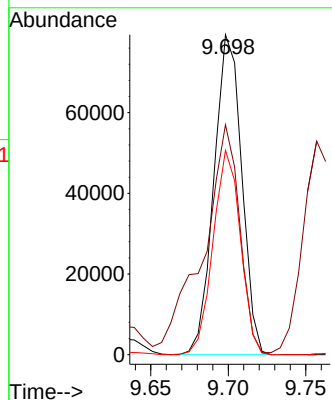
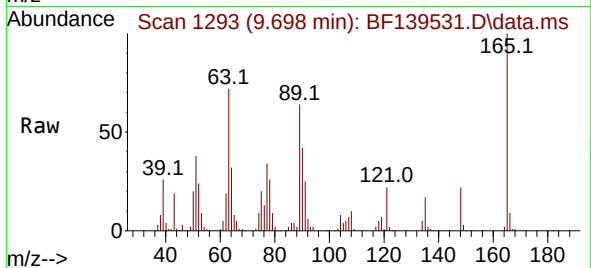
PB163661BS

Tgt Ion:165 Resp: 98900
Ion Ratio Lower Upper
165 100
63 71.8 60.9 91.3
89 63.9 54.7 82.1

Manual Integrations

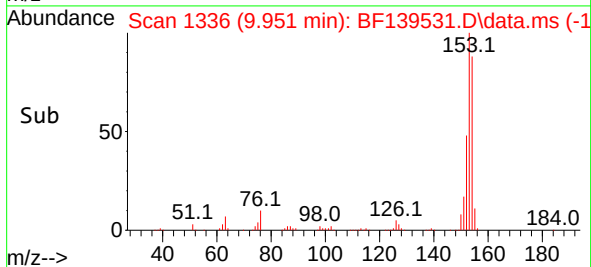
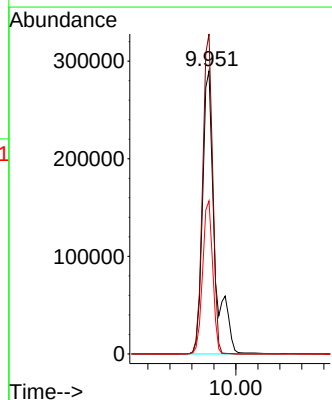
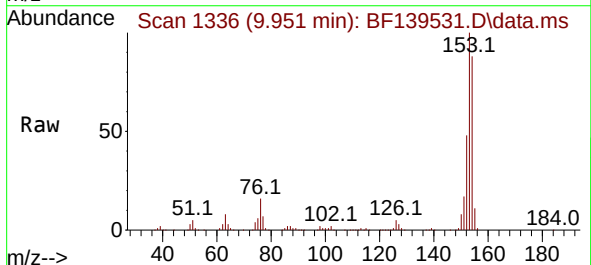
APPROVED

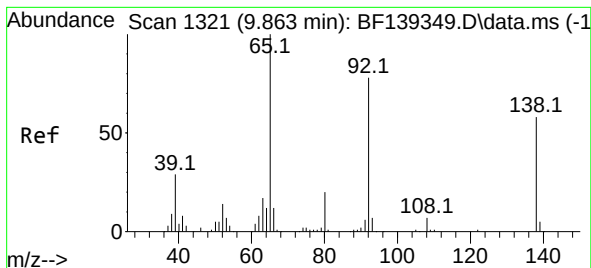
Reviewed By :Yogesh Patel 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#52
Acenaphthene
Concen: 53.572 ng
RT: 9.951 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Tgt Ion:154 Resp: 448389
Ion Ratio Lower Upper
154 100
153 113.0 89.5 134.3
152 54.1 42.6 64.0





#53

3-Nitroaniline

Concen: 36.690 ng

RT: 9.869 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF139531.D

Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

ClientSampleId :

PB163661BS

Tgt Ion:138 Resp: 73840

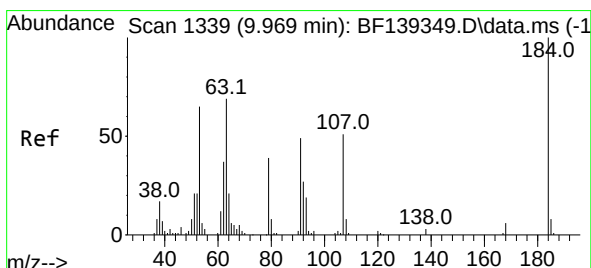
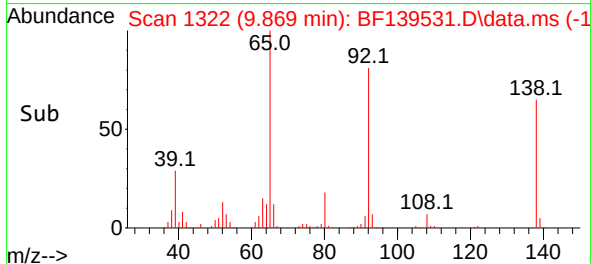
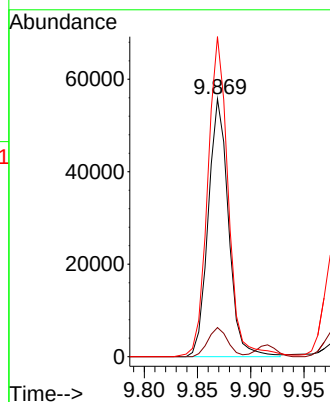
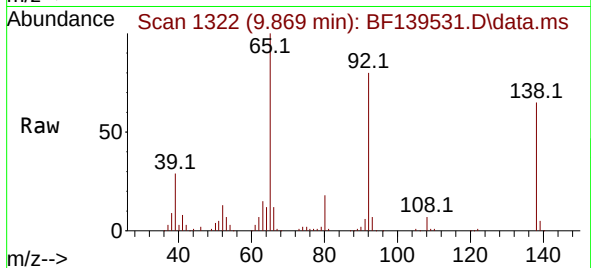
Ion	Ratio	Lower	Upper
138	100		
108	11.3	9.8	14.8
92	124.1	107.4	161.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/26/2024

Supervised By :mohammad ahmed 09/27/2024



#54

2,4-Dinitrophenol

Concen: 100.332 ng

RT: 9.981 min Scan# 1341

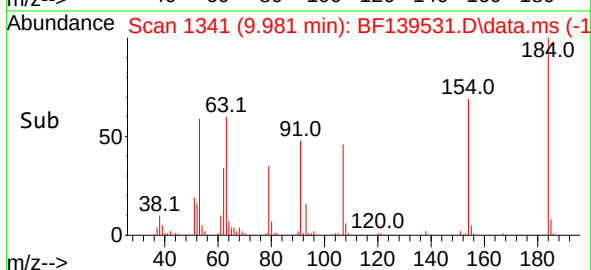
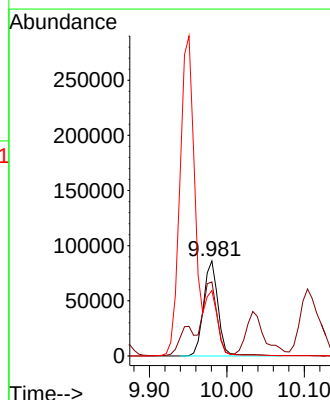
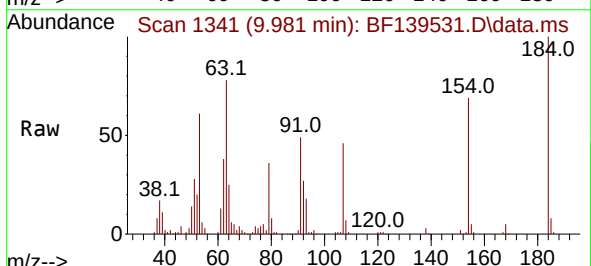
Delta R.T. 0.012 min

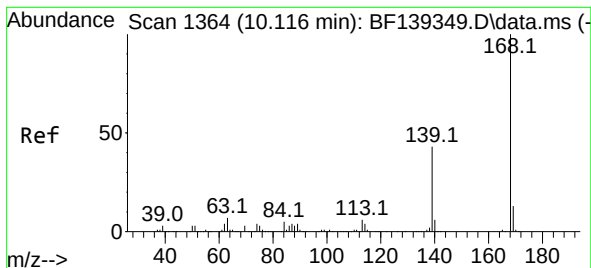
Lab File: BF139531.D

Acq: 25 Sep 2024 16:12

Tgt Ion:184 Resp: 112585

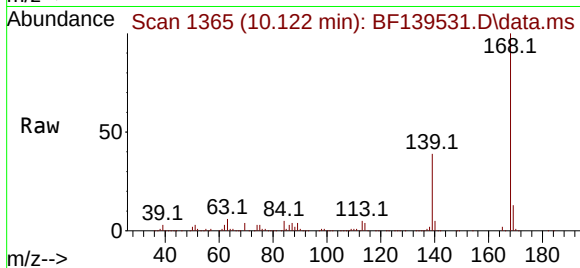
Ion	Ratio	Lower	Upper
184	100		
63	78.1	69.3	103.9
154	69.0	67.5	101.3





#55
Dibenzenofuran
Concen: 48.876 ng
RT: 10.122 min Scan# 1365
Delta R.T. 0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

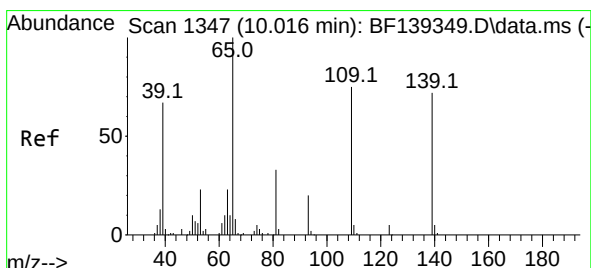
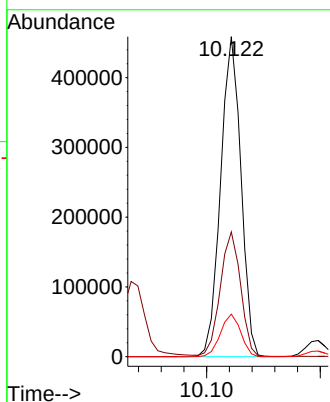
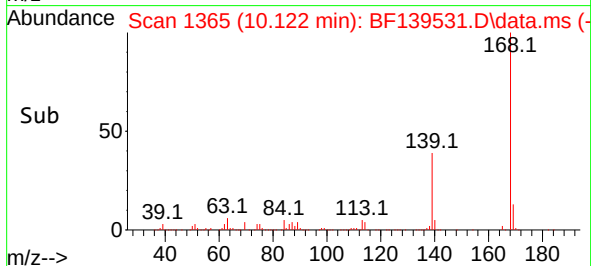
Instrument :
BNA_F
ClientSampleId :
PB163661BS



Tgt Ion:168 Resp: 570180
Ion Ratio Lower Upper
168 100
139 39.0 34.1 51.1
169 13.3 10.5 15.7

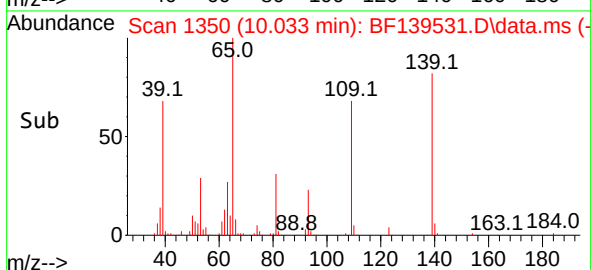
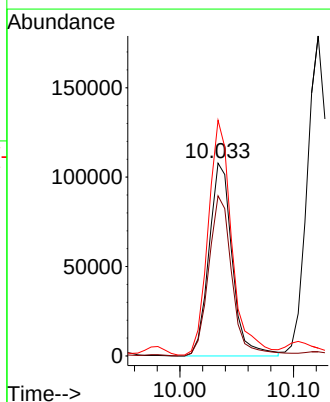
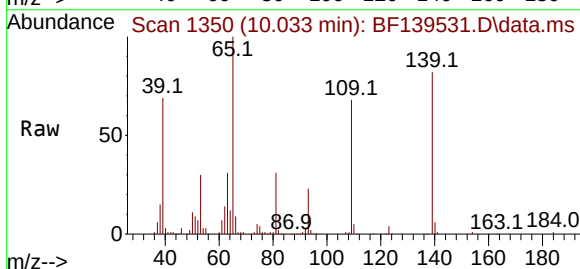
Manual Integrations
APPROVED

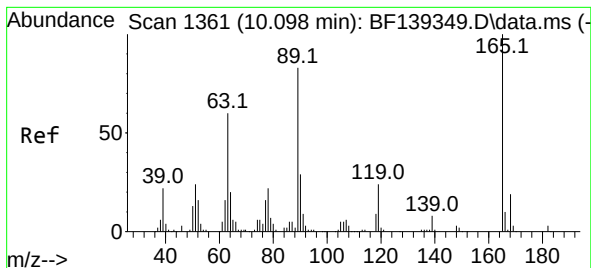
Reviewed By :Yogesh Patel 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#56
4-Nitrophenol
Concen: 92.209 ng
RT: 10.033 min Scan# 1350
Delta R.T. 0.018 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Tgt Ion:139 Resp: 153555
Ion Ratio Lower Upper
139 100
109 83.1 84.1 124.1#
65 122.2 120.0 160.0





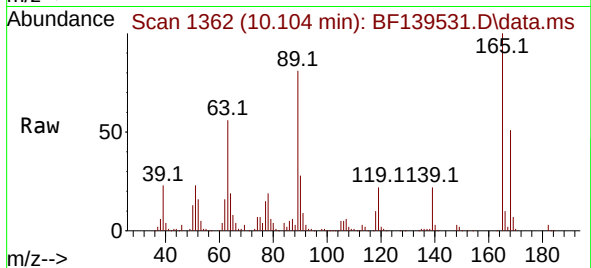
#57
2,4-Dinitrotoluene
Concen: 49.797 ng
RT: 10.104 min Scan# 1362
Delta R.T. 0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

ClientSampleId :

PB163661BS

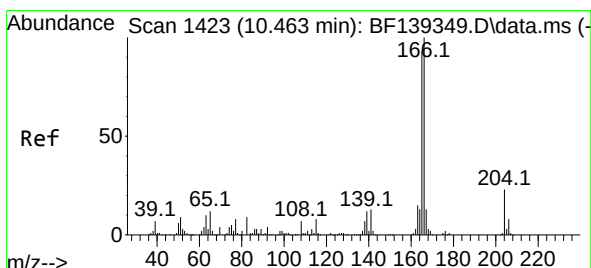
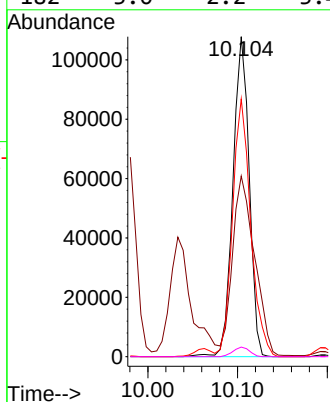
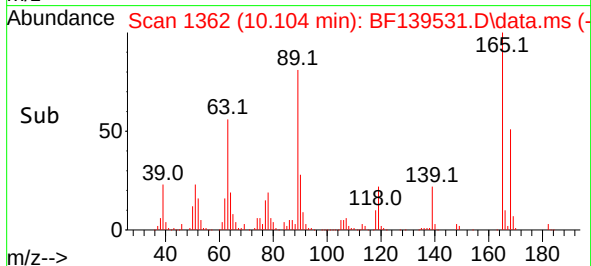


Tgt Ion:165 Resp: 13538
Ion Ratio Lower Upper
165 100
63 56.4 47.8 71.6
89 80.6 66.7 100.1
182 3.0 2.2 3.4

Manual Integrations

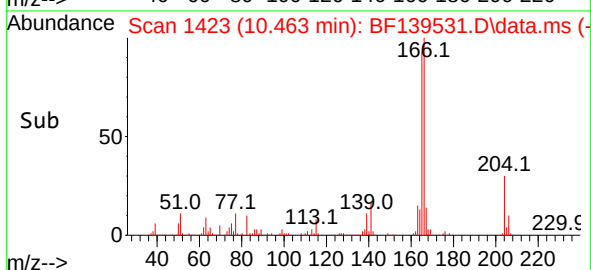
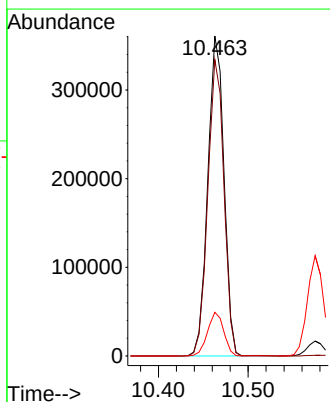
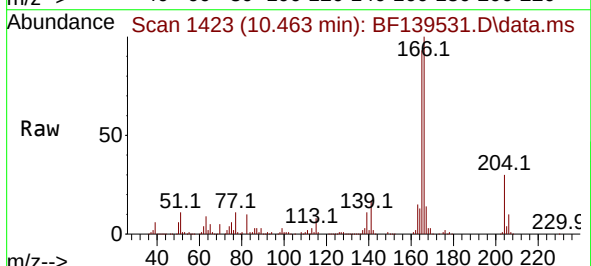
APPROVED

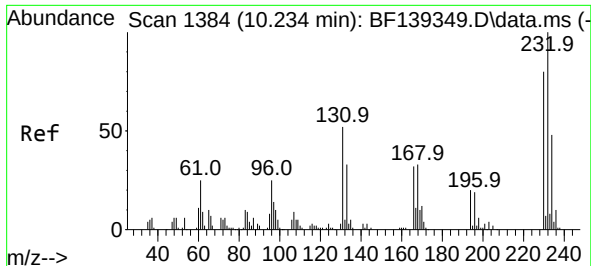
Reviewed By :Yogesh Patel 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#58
Fluorene
Concen: 47.515 ng
RT: 10.463 min Scan# 1423
Delta R.T. -0.000 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

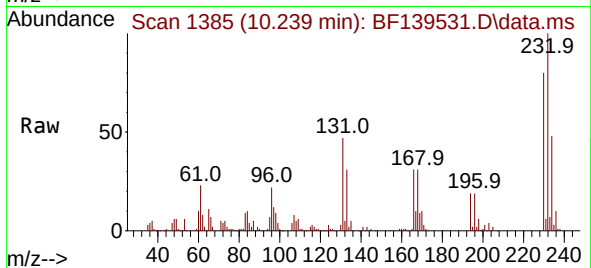
Tgt Ion:166 Resp: 452273
Ion Ratio Lower Upper
166 100
165 92.6 74.5 111.7
167 13.6 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 50.309 ng
RT: 10.239 min Scan# 1385
Delta R.T. 0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

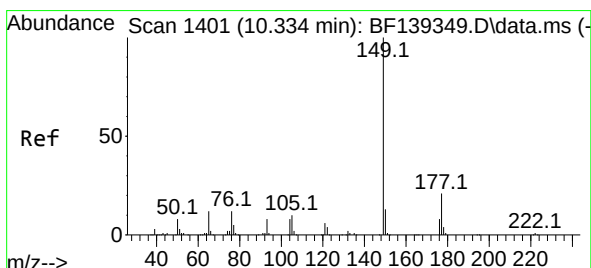
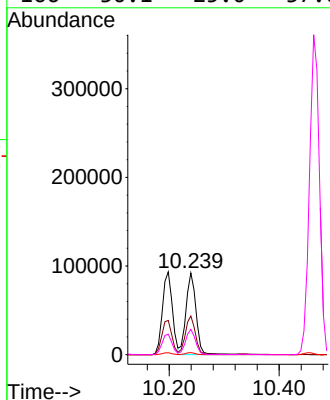
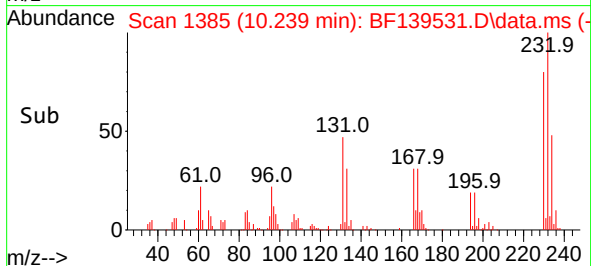
Instrument :
BNA_F
ClientSampleId :
PB163661BS



Tgt Ion:232 Resp: 11723
Ion Ratio Lower Upper
232 100
131 46.3 40.7 61.1
130 2.4 2.2 3.2
166 30.1 25.0 37.6

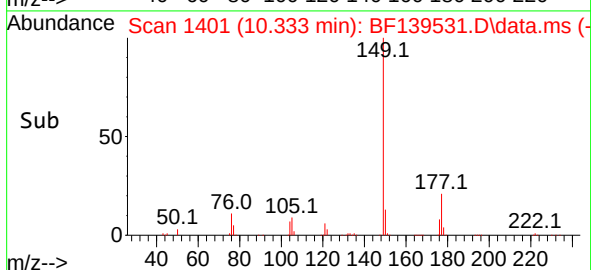
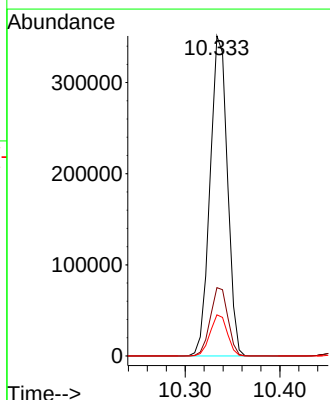
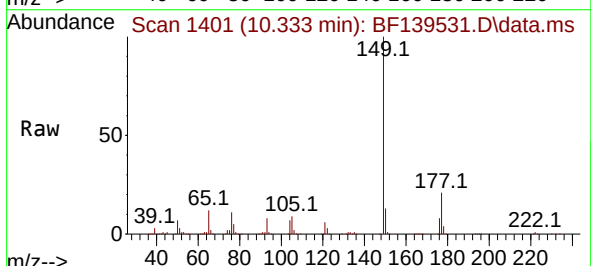
Manual Integrations
APPROVED

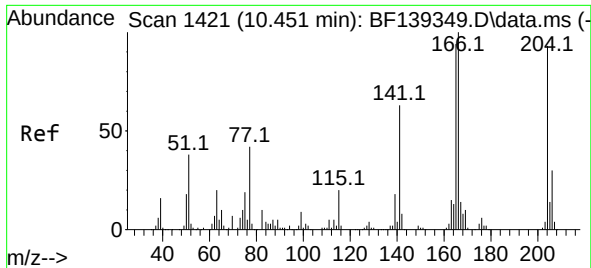
Reviewed By :Yogesh Patel 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#60
Diethylphthalate
Concen: 47.795 ng
RT: 10.333 min Scan# 1401
Delta R.T. -0.000 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

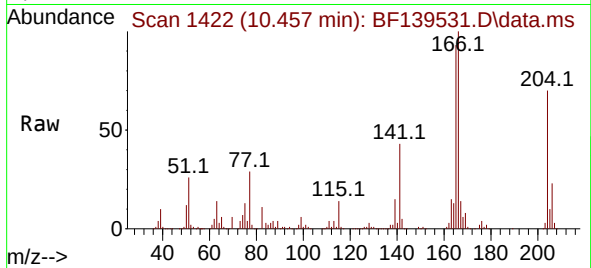
Tgt Ion:149 Resp: 448360
Ion Ratio Lower Upper
149 100
177 21.4 16.6 24.8
150 12.9 10.6 15.8





#61
4-Chlorophenyl-phenylether
Concen: 46.259 ng
RT: 10.457 min Scan# 1422
Delta R.T. 0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

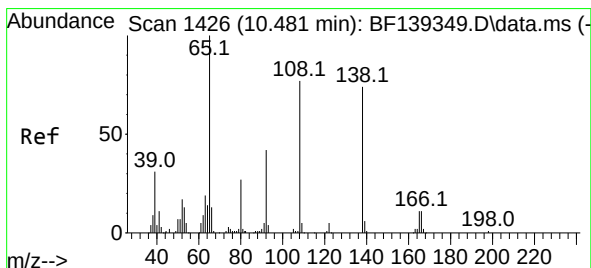
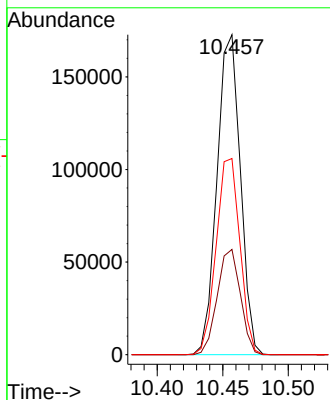
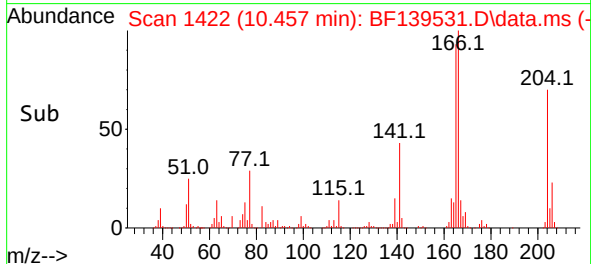
Instrument :
BNA_F
ClientSampleId :
PB163661BS



Tgt Ion:204 Resp: 21398
Ion Ratio Lower Upper
204 100
206 32.9 26.2 39.2
141 61.3 53.9 80.9

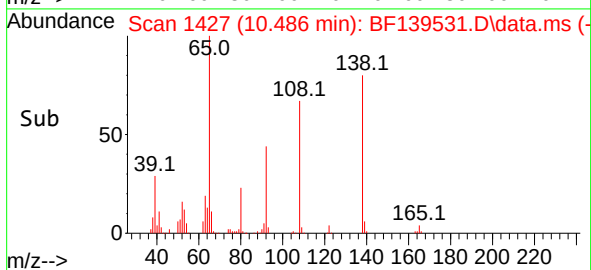
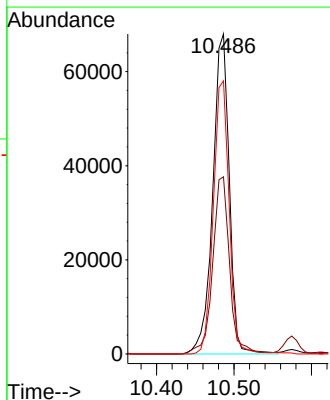
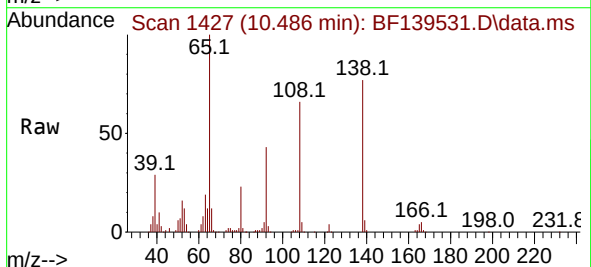
Manual Integrations
APPROVED

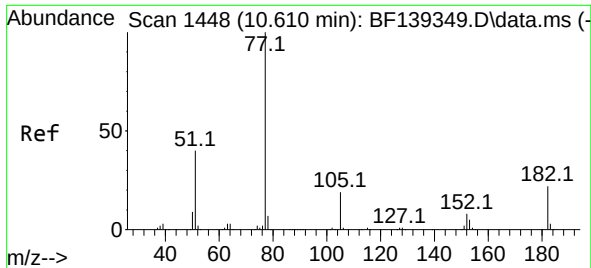
Reviewed By :Yogesh Patel 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#62
4-Nitroaniline
Concen: 45.784 ng
RT: 10.486 min Scan# 1427
Delta R.T. 0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

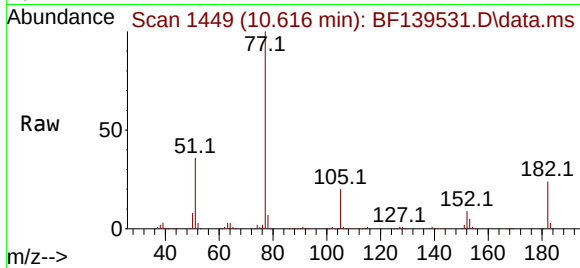
Tgt Ion:138 Resp: 100564
Ion Ratio Lower Upper
138 100
92 55.3 37.0 77.0
108 85.3 84.4 124.4





#63
Azobenzene
Concen: 49.595 ng
RT: 10.616 min Scan# 1448
Delta R.T. 0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

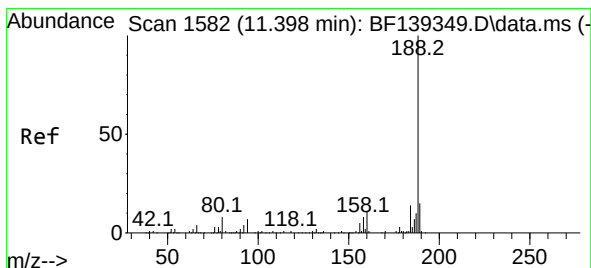
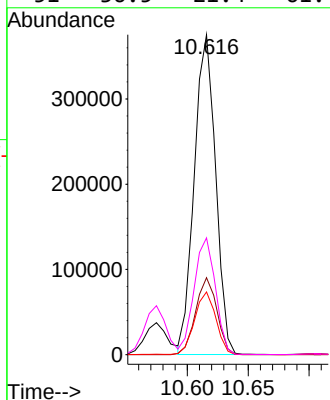
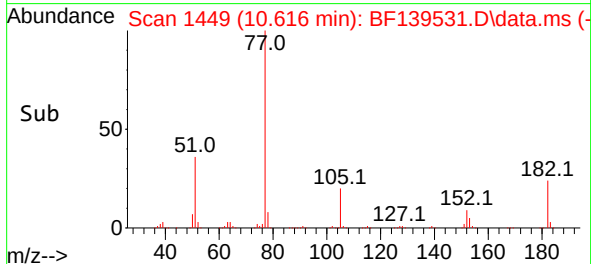
Instrument :
BNA_F
ClientSampleId :
PB163661BS



Tgt Ion: 77 Resp: 45759
Ion Ratio Lower Upper
77 100
182 24.1 1.8 41.8
105 19.6 0.0 38.6
51 36.5 21.4 61.4

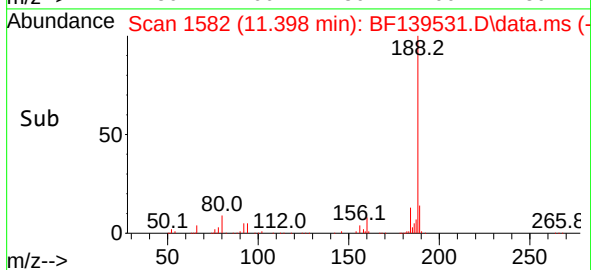
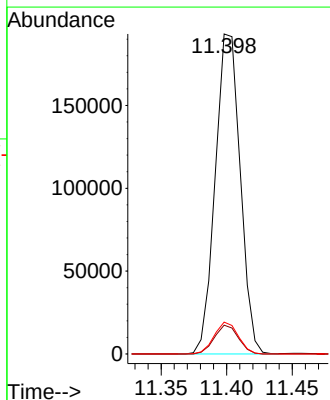
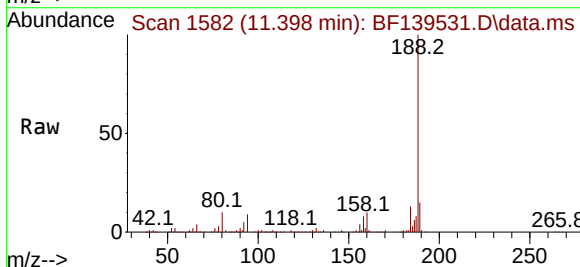
Manual Integrations
APPROVED

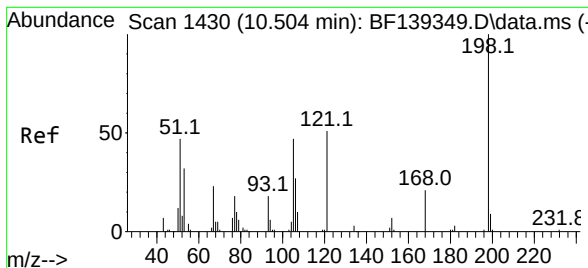
Reviewed By :Yogesh Patel 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.398 min Scan# 1582
Delta R.T. -0.000 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

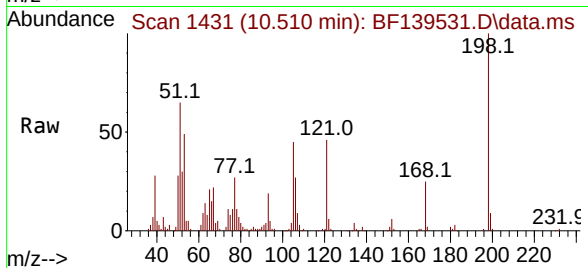
Tgt Ion:188 Resp: 256247
Ion Ratio Lower Upper
188 100
94 9.0 5.5 8.3#
80 10.0 6.6 9.8#





#65
4,6-Dinitro-2-methylphenol
Concen: 52.539 ng
RT: 10.510 min Scan# 1430
Delta R.T. 0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

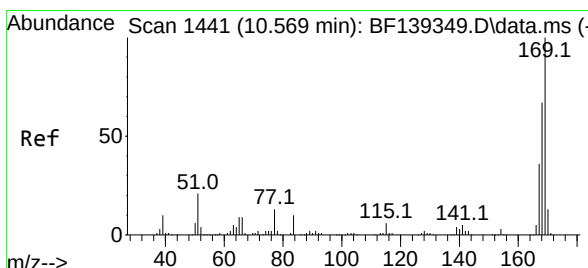
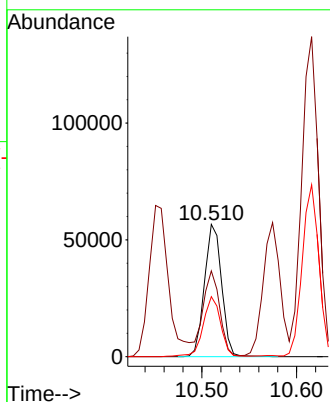
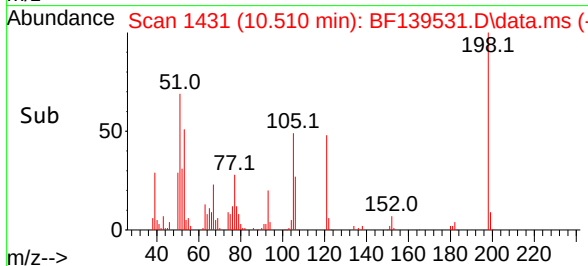
Instrument :
BNA_F
ClientSampleId :
PB163661BS



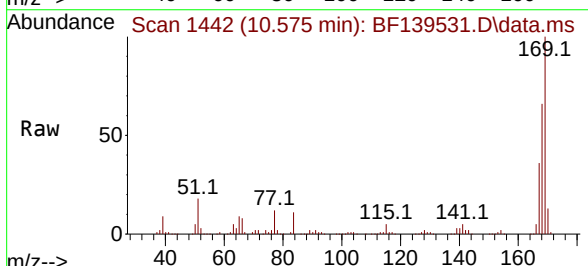
Tgt Ion:198 Resp: 71050
Ion Ratio Lower Upper
198 100
51 64.9 50.4 90.4
105 45.4 28.3 68.3

Manual Integrations
APPROVED

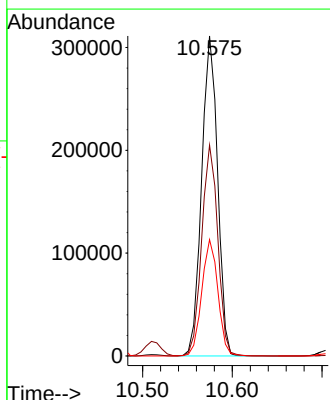
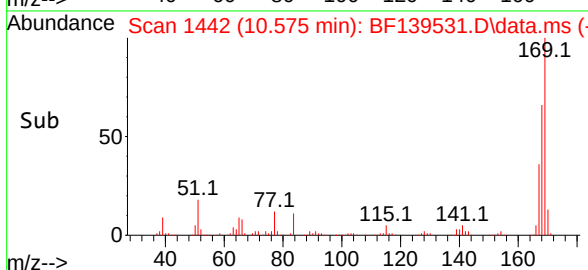
Reviewed By :Yogesh Patel 09/26/2024
Supervised By :mohammad ahmed 09/27/2024

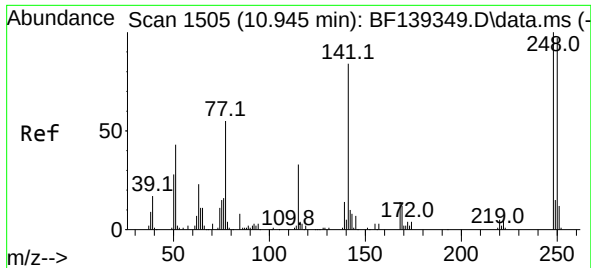


#66
n-Nitrosodiphenylamine
Concen: 51.323 ng
RT: 10.575 min Scan# 1442
Delta R.T. 0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12



Tgt Ion:169 Resp: 384501
Ion Ratio Lower Upper
169 100
168 65.9 53.6 80.4
167 36.3 28.7 43.1





#67
4-Bromophenyl-phenylether
Concen: 49.483 ng
RT: 10.945 min Scan# 1505
Delta R.T. -0.000 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

ClientSampleId :

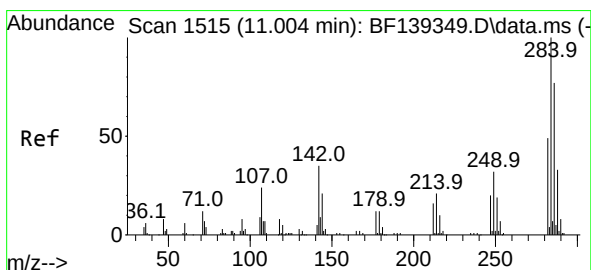
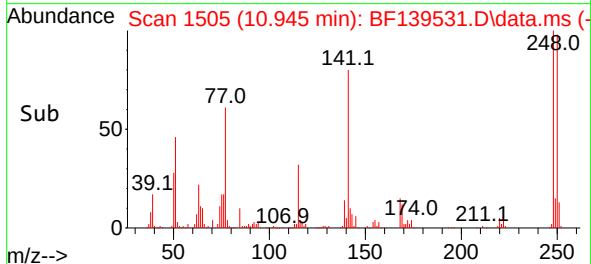
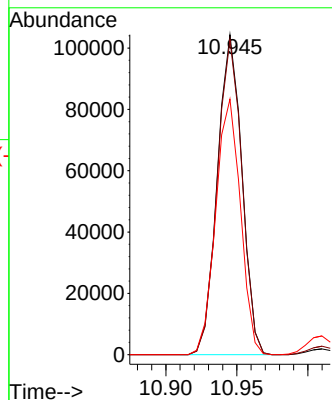
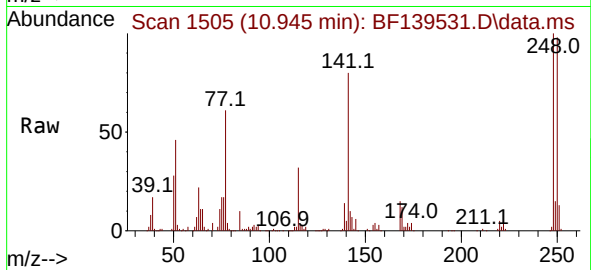
PB163661BS

Tgt Ion:248 Resp: 12565
Ion Ratio Lower Upper
248 100
250 98.5 77.6 116.4
141 79.8 66.9 100.3

Manual Integrations

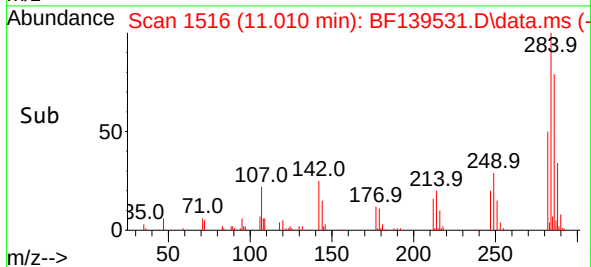
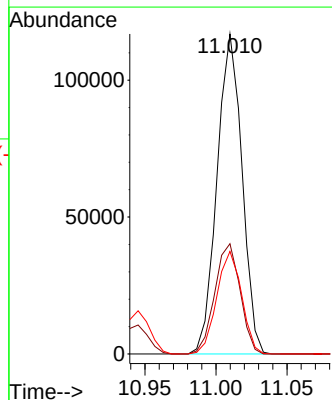
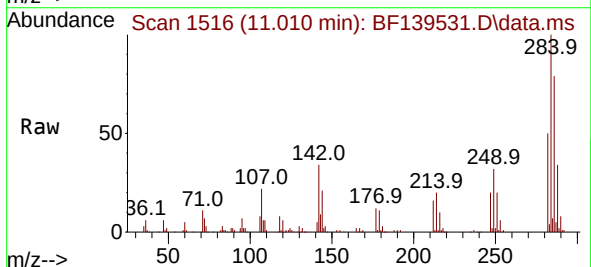
APPROVED

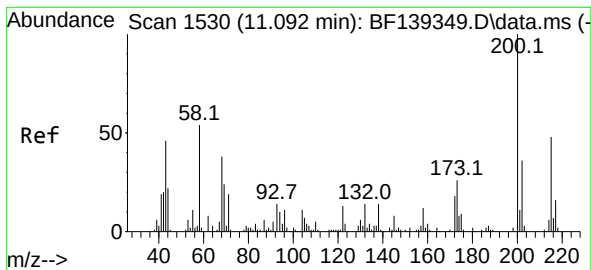
Reviewed By :Yogesh Patel 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#68
Hexachlorobenzene
Concen: 47.930 ng
RT: 11.010 min Scan# 1516
Delta R.T. 0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Tgt Ion:284 Resp: 142843
Ion Ratio Lower Upper
284 100
142 34.4 28.0 42.0
249 32.0 25.3 37.9





#69

Atrazine

Concen: 66.255 ng

RT: 11.098 min Scan# 1530

Delta R.T. 0.006 min

Lab File: BF139531.D

Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

ClientSampleId :

PB163661BS

Tgt Ion:200 Resp: 118169

Ion Ratio Lower Upper

200 100

173 26.6 6.1 46.1

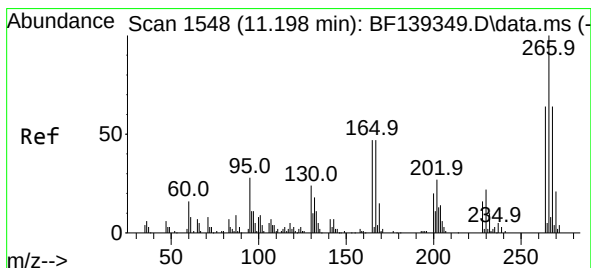
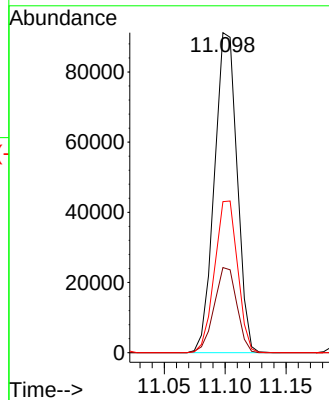
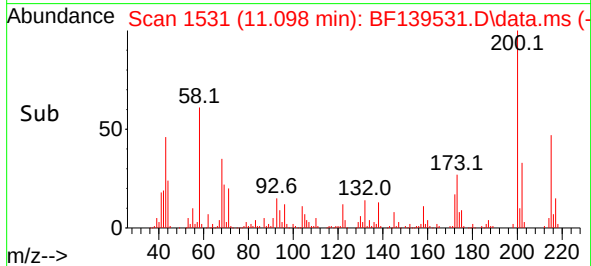
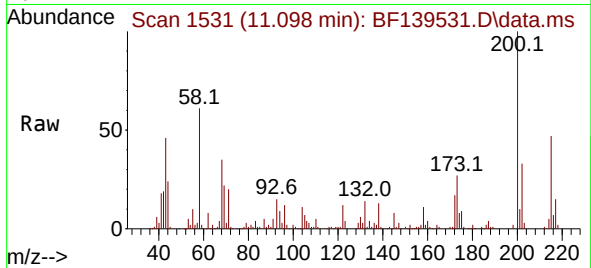
215 47.2 28.2 68.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/26/2024

Supervised By :mohammad ahmed 09/27/2024



#70

Pentachlorophenol

Concen: 87.343 ng

RT: 11.204 min Scan# 1549

Delta R.T. 0.006 min

Lab File: BF139531.D

Acq: 25 Sep 2024 16:12

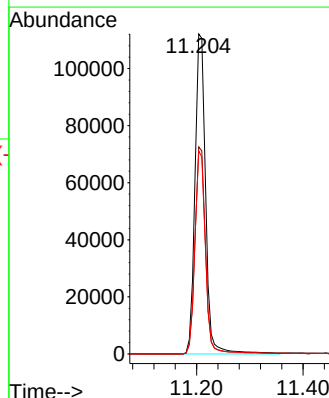
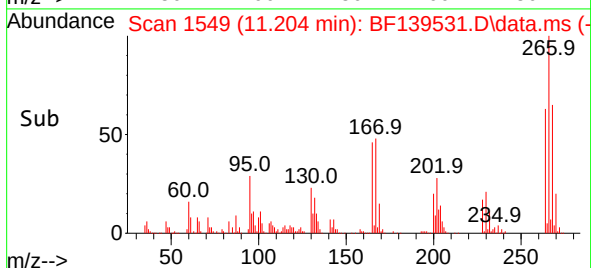
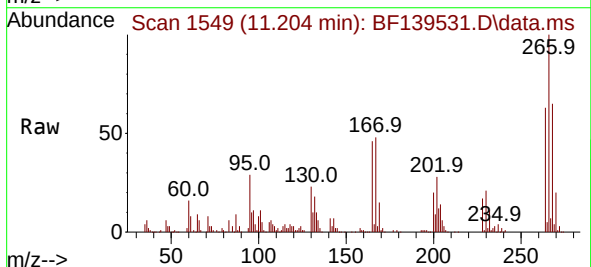
Tgt Ion:266 Resp: 156192

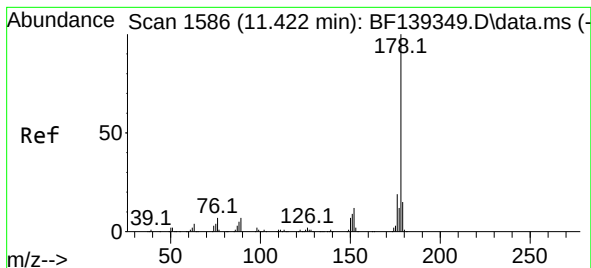
Ion Ratio Lower Upper

266 100

268 64.7 51.1 76.7

264 63.4 51.4 77.0





#71

Phenanthrene

Concen: 50.421 ng

RT: 11.427 min Scan# 1586

Delta R.T. 0.006 min

Lab File: BF139531.D

Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

ClientSampleId :

PB163661BS

Tgt Ion:178 Resp: 623340

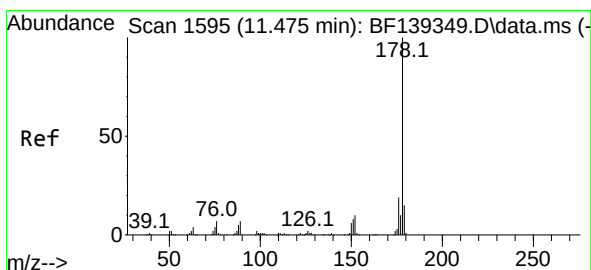
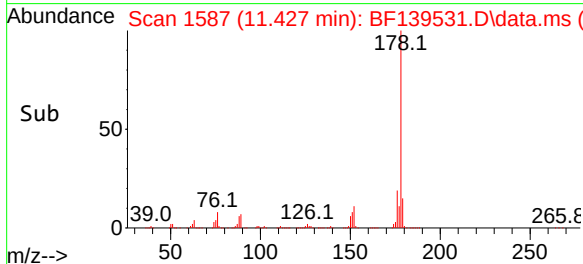
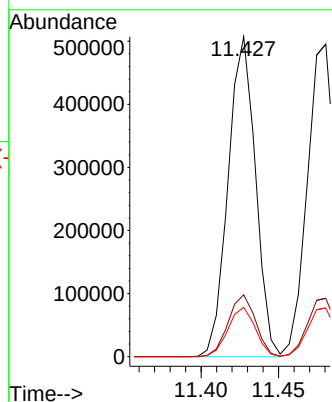
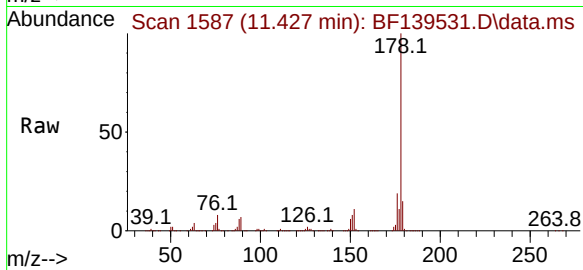
Ion	Ratio	Lower	Upper
178	100		
176	19.4	15.2	22.8
179	15.4	12.2	18.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/26/2024

Supervised By :mohammad ahmed 09/27/2024



#72

Anthracene

Concen: 52.782 ng

RT: 11.480 min Scan# 1596

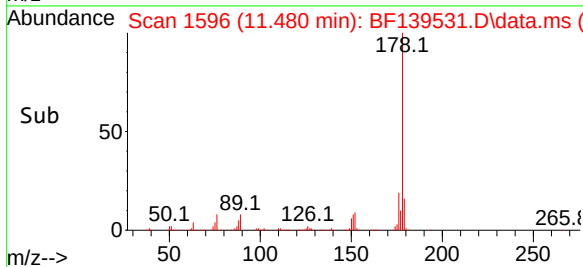
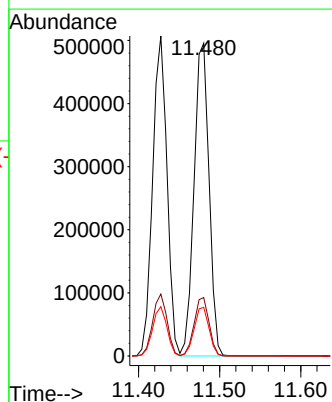
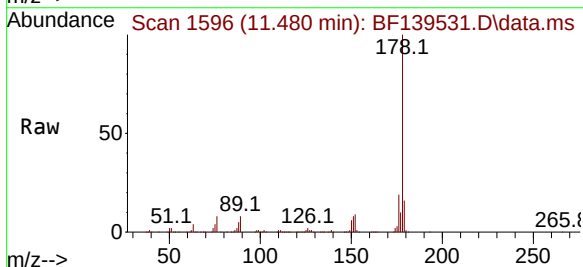
Delta R.T. 0.006 min

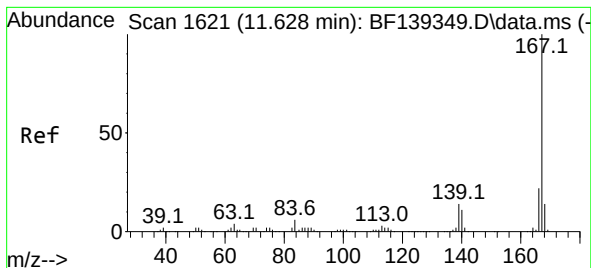
Lab File: BF139531.D

Acq: 25 Sep 2024 16:12

Tgt Ion:178 Resp: 637993

Ion	Ratio	Lower	Upper
178	100		
176	18.7	15.0	22.6
179	15.6	12.0	18.0





#73

Carbazole

Concen: 47.681 ng

RT: 11.633 min Scan# 1622

Delta R.T. 0.006 min

Lab File: BF139531.D

Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

ClientSampleId :

PB163661BS

Tgt Ion:167 Resp: 55161

Ion Ratio Lower Upper

167 100

166 21.6 17.5 26.3

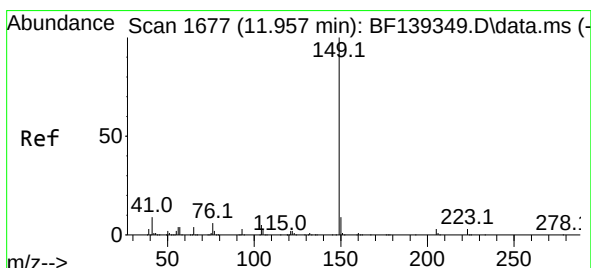
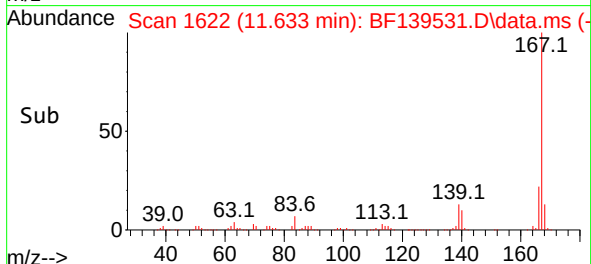
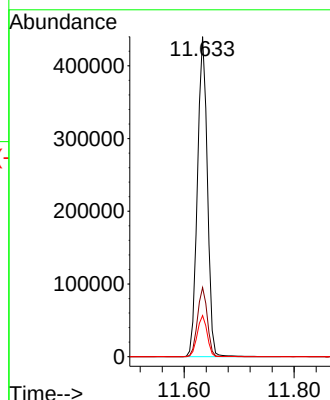
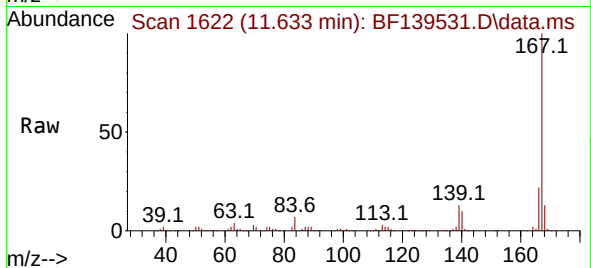
139 12.9 10.9 16.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/26/2024

Supervised By :mohammad ahmed 09/27/2024



#74

Di-n-butylphthalate

Concen: 47.981 ng

RT: 11.957 min Scan# 1677

Delta R.T. -0.000 min

Lab File: BF139531.D

Acq: 25 Sep 2024 16:12

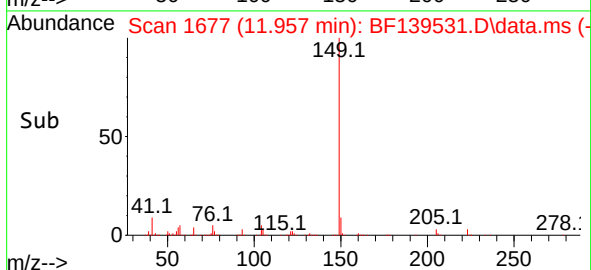
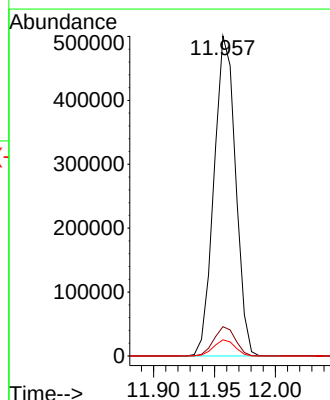
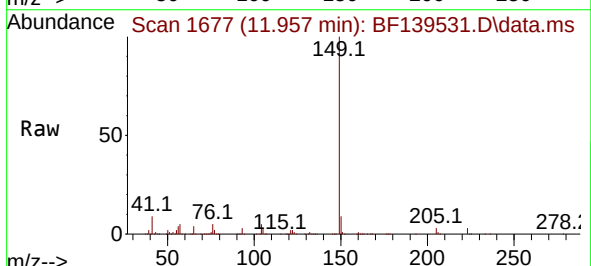
Tgt Ion:149 Resp: 618341

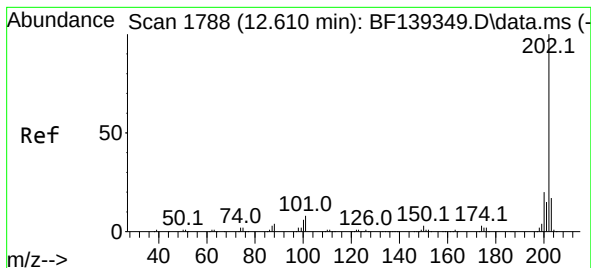
Ion Ratio Lower Upper

149 100

150 9.1 7.3 10.9

104 5.0 4.3 6.5





#75

Fluoranthene

Concen: 43.786 ng

RT: 12.610 min Scan# 1

Delta R.T. -0.000 min

Lab File: BF139531.D

Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

ClientSampleId :

PB163661BS

Tgt Ion:202 Resp: 578089

Ion Ratio Lower Upper

202 100

101 9.7 0.0 27.7

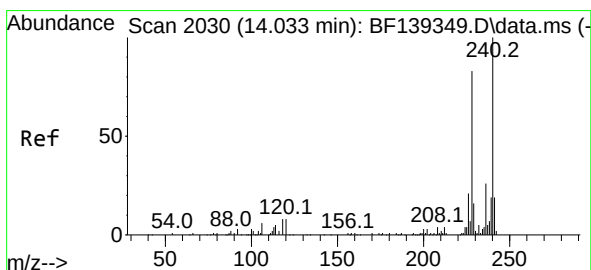
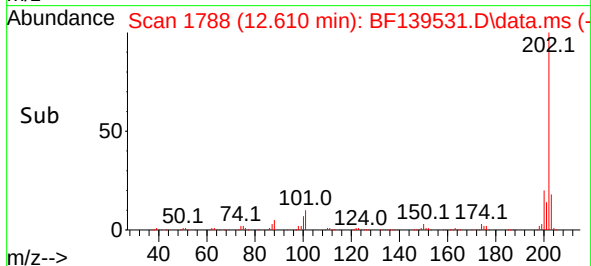
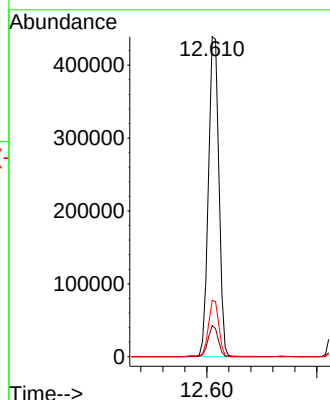
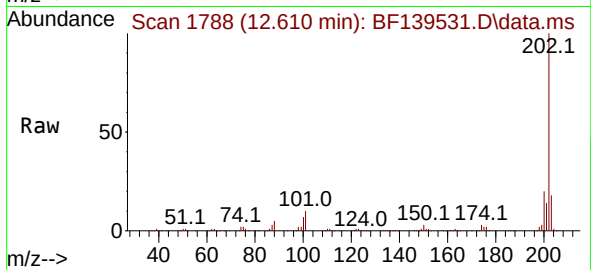
203 17.6 0.0 37.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/26/2024

Supervised By :mohammad ahmed 09/27/2024



#76

Chrysene-d12

Concen: 20.000 ng

RT: 14.039 min Scan# 2031

Delta R.T. 0.006 min

Lab File: BF139531.D

Acq: 25 Sep 2024 16:12

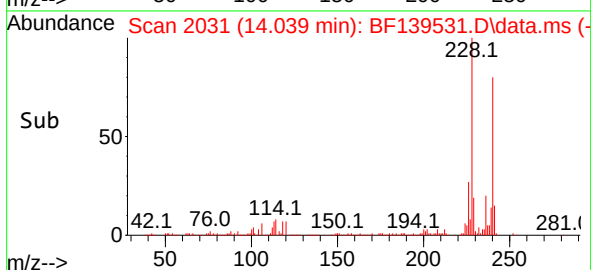
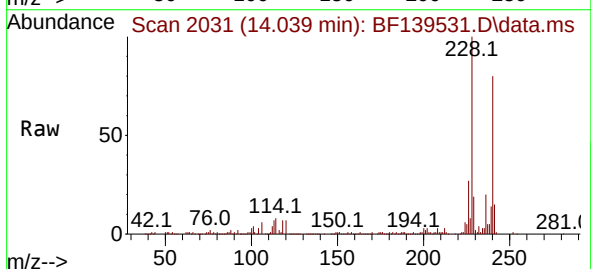
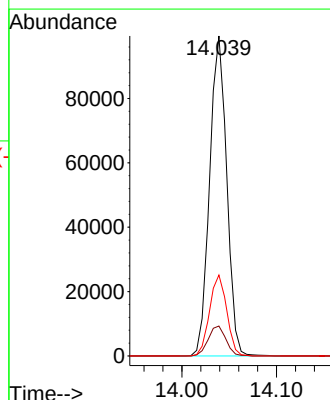
Tgt Ion:240 Resp: 124390

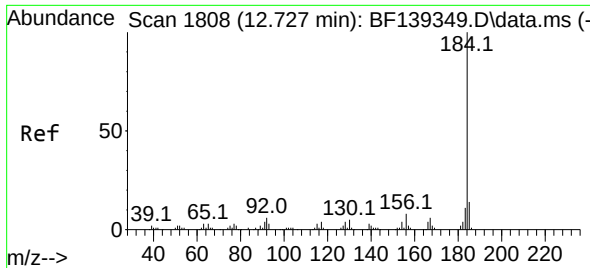
Ion Ratio Lower Upper

240 100

120 9.4 6.2 9.2#

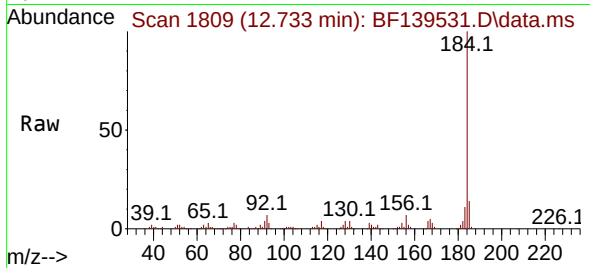
236 25.3 20.9 31.3





#77
Benzidine
Concen: 82.309 ng
RT: 12.733 min Scan# 1809
Delta R.T. 0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

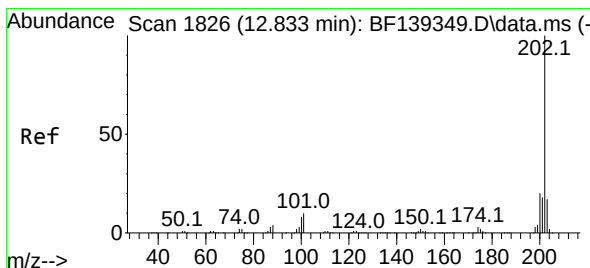
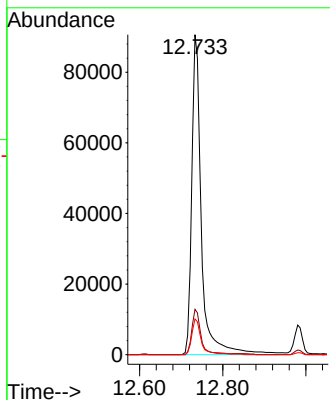
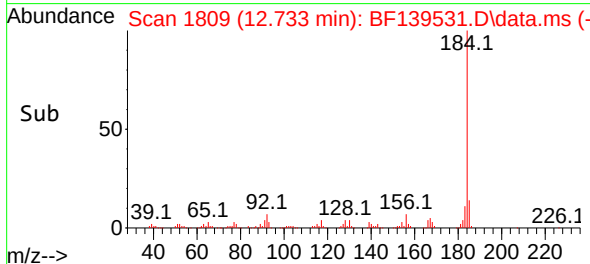
Instrument :
BNA_F
ClientSampleId :
PB163661BS



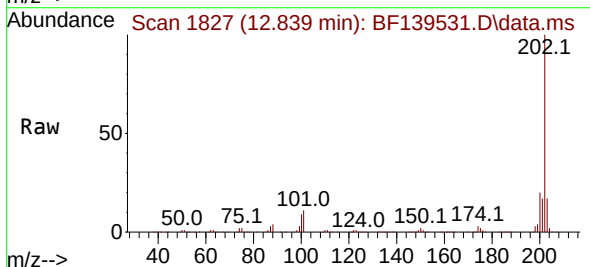
Tgt Ion:184 Resp: 14668
Ion Ratio Lower Upper
184 100
185 14.2 11.5 17.3
183 11.2 8.9 13.3

Manual Integrations
APPROVED

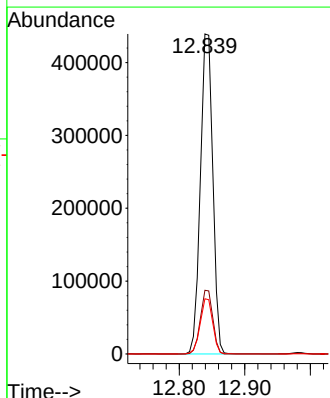
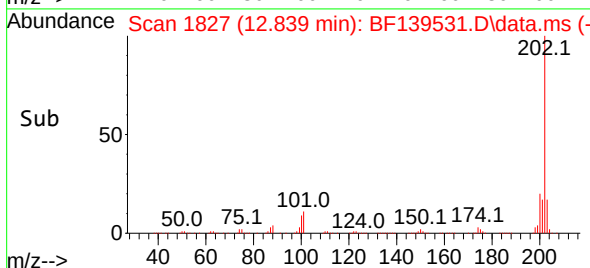
Reviewed By :Yogesh Patel 09/26/2024
Supervised By :mohammad ahmed 09/27/2024

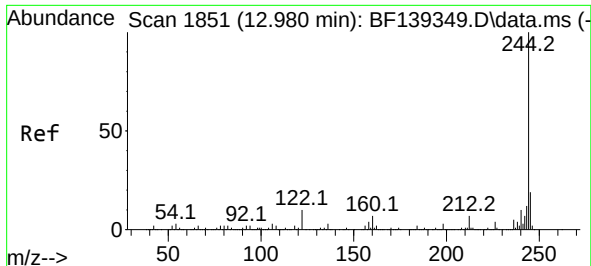


#78
Pyrene
Concen: 54.458 ng
RT: 12.839 min Scan# 1827
Delta R.T. 0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12



Tgt Ion:202 Resp: 581644
Ion Ratio Lower Upper
202 100
200 19.9 16.2 24.2
203 17.2 13.9 20.9





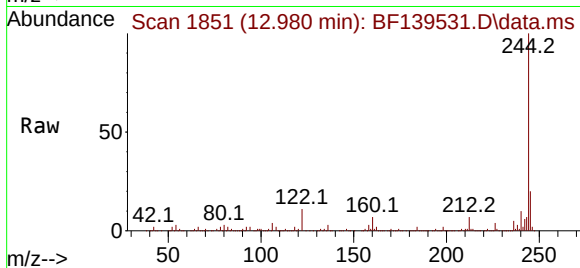
#79
 Terphenyl-d14
 Concen: 94.044 ng
 RT: 12.980 min Scan# 1851
 Delta R.T. -0.000 min
 Lab File: BF139531.D
 Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

ClientSampleId :

PB163661BS



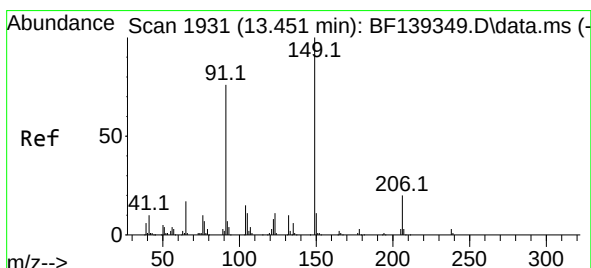
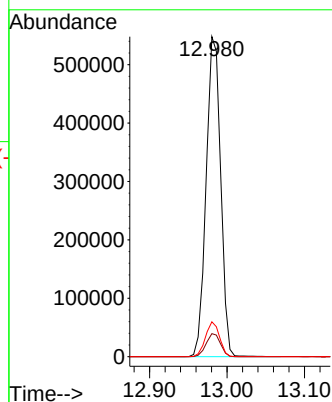
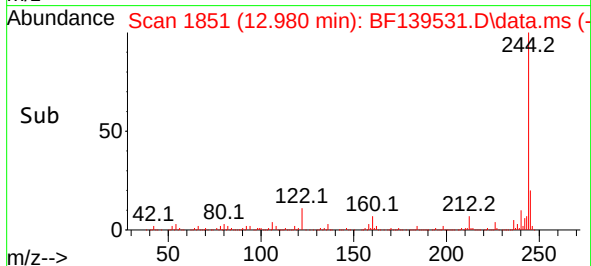
Tgt Ion:244 Resp: 712694
 Ion Ratio Lower Upper
 244 100
 212 7.2 6.0 9.0
 122 10.9 7.6 11.4

Manual Integrations

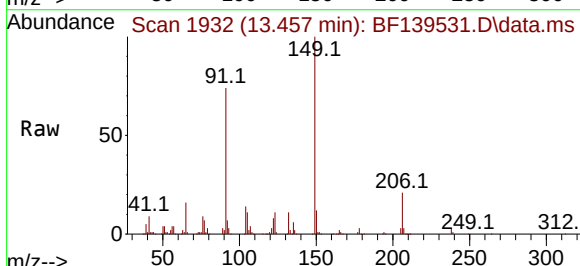
APPROVED

Reviewed By :Yogesh Patel 09/26/2024

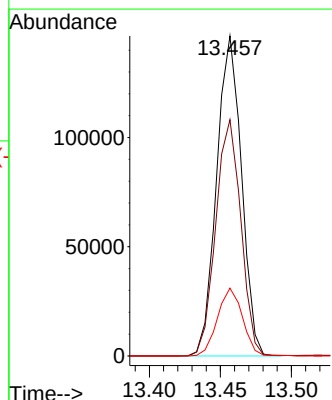
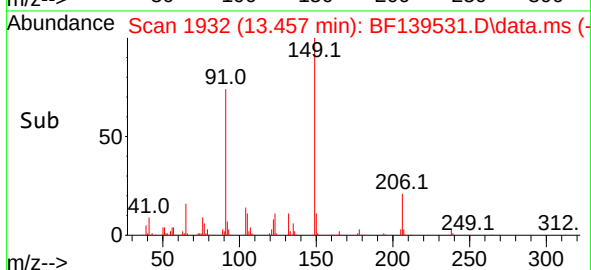
Supervised By :mohammad ahmed 09/27/2024

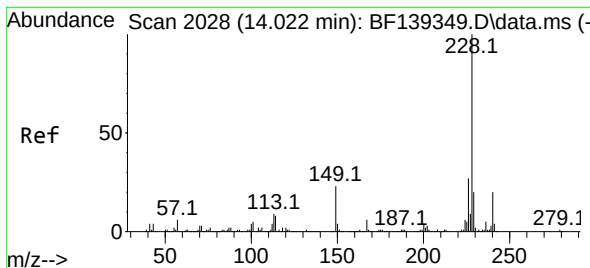


#80
 Butylbenzylphthalate
 Concen: 49.074 ng
 RT: 13.457 min Scan# 1932
 Delta R.T. 0.006 min
 Lab File: BF139531.D
 Acq: 25 Sep 2024 16:12



Tgt Ion:149 Resp: 178405
 Ion Ratio Lower Upper
 149 100
 91 73.8 60.9 91.3
 206 21.2 15.8 23.8





#81

Benzo(a)anthracene

Concen: 50.006 ng

RT: 14.027 min Scan# 2028

Delta R.T. 0.006 min

Lab File: BF139531.D

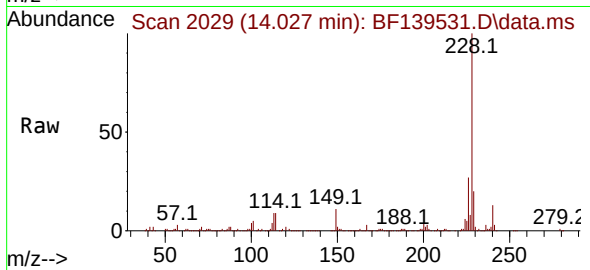
Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

ClientSampleId :

PB163661BS



Tgt Ion:228 Resp: 412021

Ion Ratio Lower Upper

228 100

226 27.3 21.6 32.4

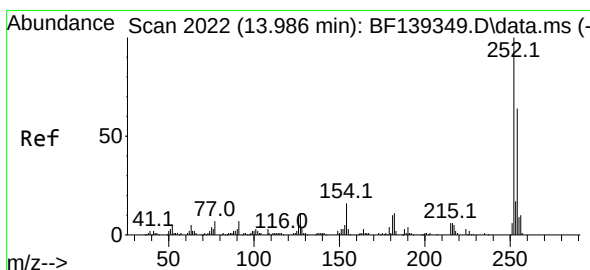
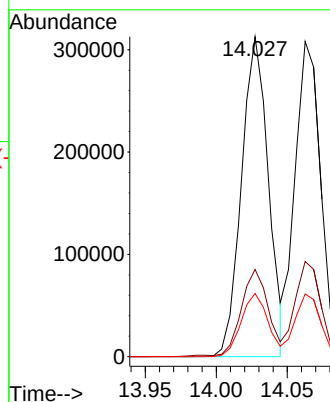
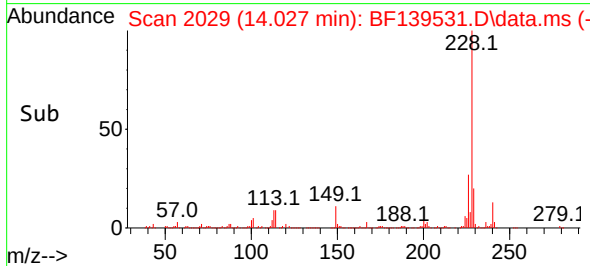
229 19.8 15.7 23.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/26/2024

Supervised By :mohammad ahmed 09/27/2024



#82

3,3'-Dichlorobenzidine

Concen: 42.563 ng

RT: 13.992 min Scan# 2023

Delta R.T. 0.006 min

Lab File: BF139531.D

Acq: 25 Sep 2024 16:12

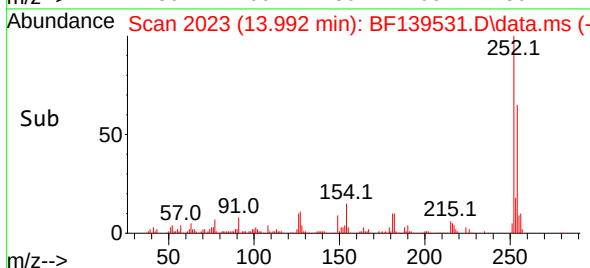
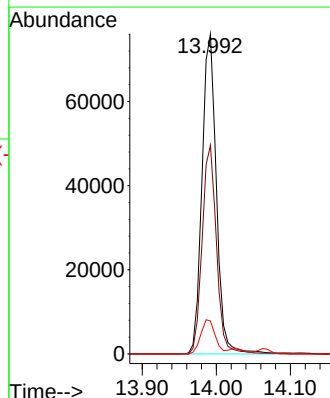
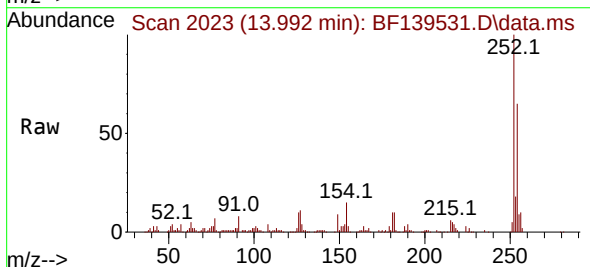
Tgt Ion:252 Resp: 102704

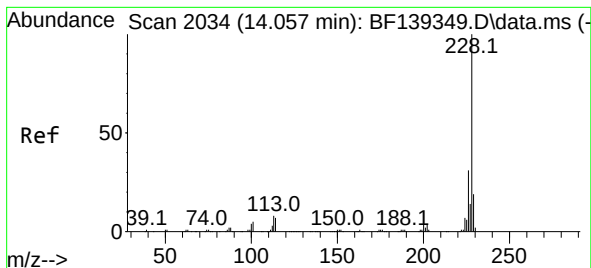
Ion Ratio Lower Upper

252 100

254 65.3 51.4 77.2

126 10.3 7.7 11.5





#83

Chrysene

Concen: 51.013 ng

RT: 14.063 min Scan# 2035

Delta R.T. 0.006 min

Lab File: BF139531.D

Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

ClientSampleId :

PB163661BS

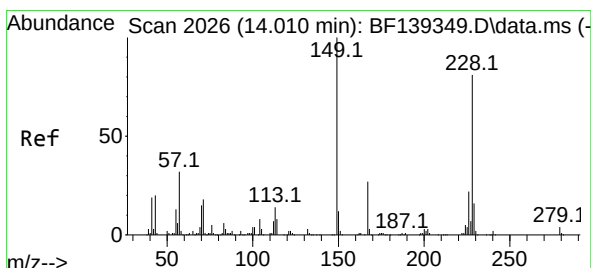
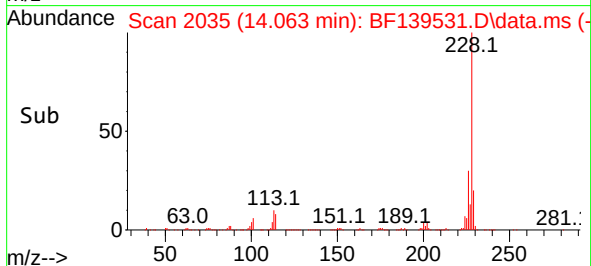
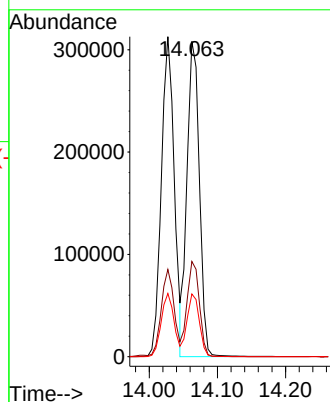
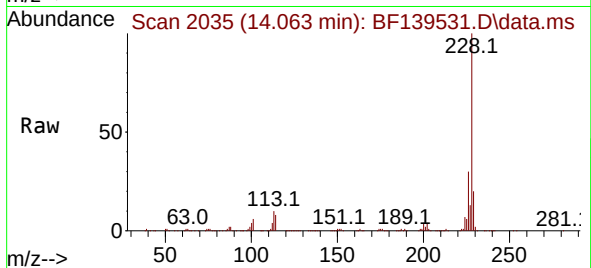
Tgt Ion:228 Resp: 386699
 Ion Ratio Lower Upper
 228 100
 226 30.2 24.1 36.1
 229 19.9 15.4 23.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/26/2024

Supervised By :mohammad ahmed 09/27/2024



#84

Bis(2-ethylhexyl)phthalate

Concen: 46.391 ng

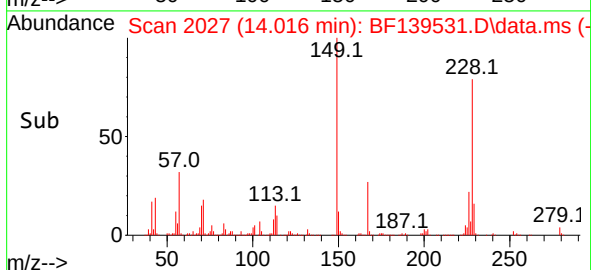
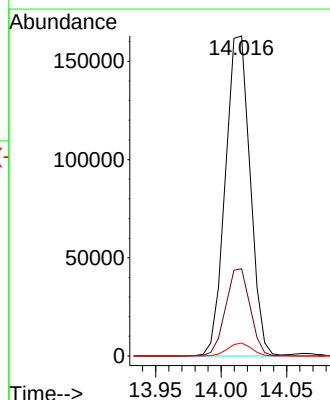
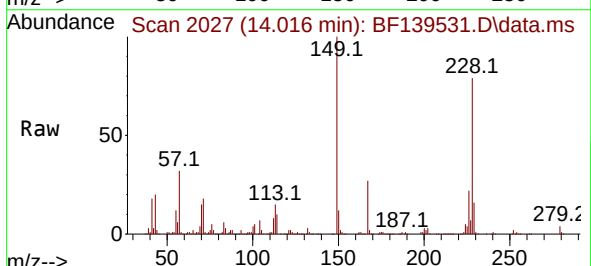
RT: 14.016 min Scan# 2027

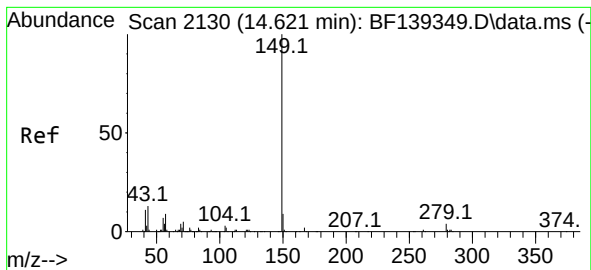
Delta R.T. 0.006 min

Lab File: BF139531.D

Acq: 25 Sep 2024 16:12

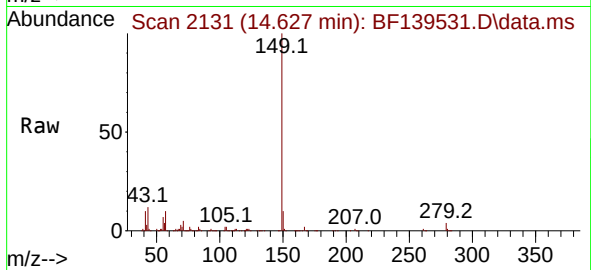
Tgt Ion:149 Resp: 214549
 Ion Ratio Lower Upper
 149 100
 167 27.3 21.6 32.4
 279 4.0 3.3 4.9





#85
Di-n-octyl phthalate
Concen: 51.518 ng
RT: 14.627 min Scan# 2130
Delta R.T. 0.006 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

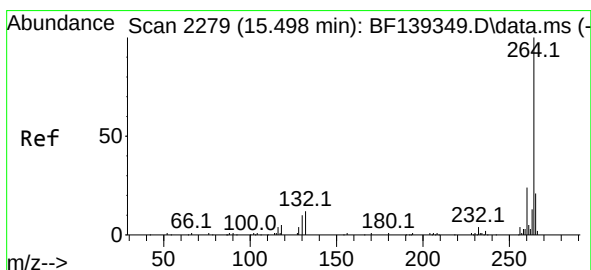
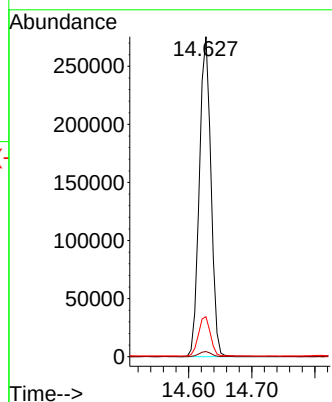
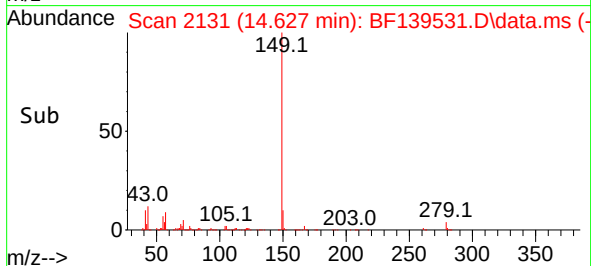
Instrument :
BNA_F
ClientSampleId :
PB163661BS



Tgt Ion:149 Resp: 35088
Ion Ratio Lower Upper
149 100
167 1.8 1.2 1.8
43 12.7 10.6 16.0

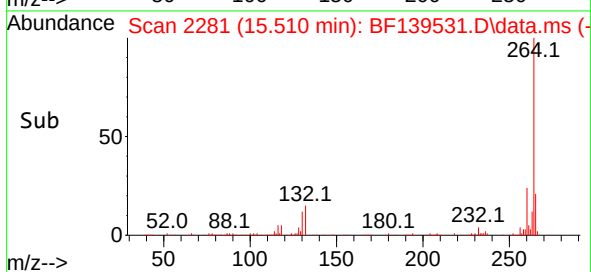
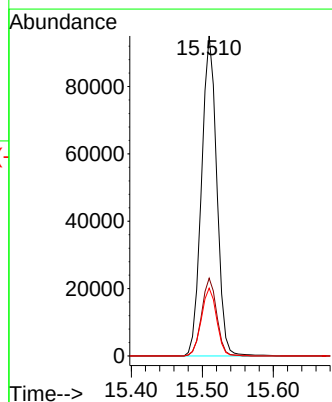
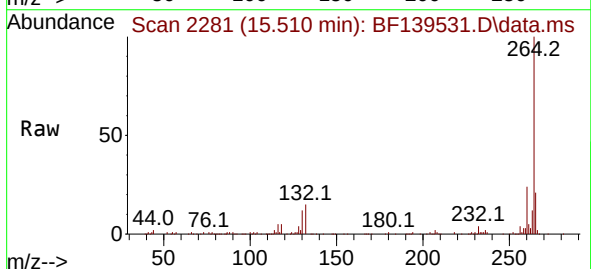
Manual Integrations
APPROVED

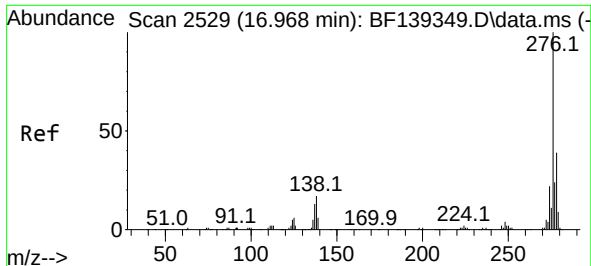
Reviewed By :Yogesh Patel 09/26/2024
Supervised By :mohammad ahmed 09/27/2024



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.510 min Scan# 2281
Delta R.T. 0.012 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Tgt Ion:264 Resp: 142443
Ion Ratio Lower Upper
264 100
260 24.3 19.5 29.3
265 21.2 16.6 25.0





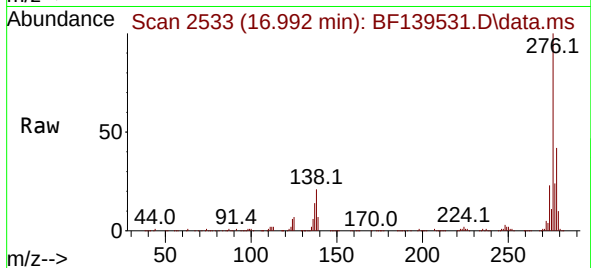
#87
Indeno(1,2,3-cd)pyrene
Concen: 55.059 ng
RT: 16.992 min Scan# 21
Delta R.T. 0.023 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

ClientSampleId :

PB163661BS

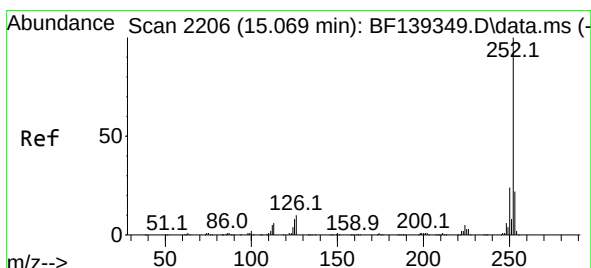
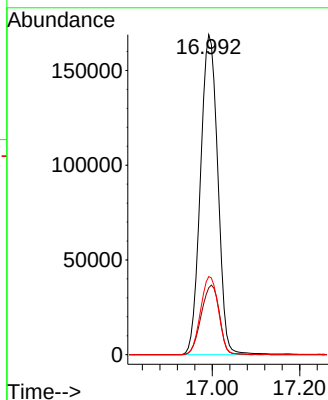
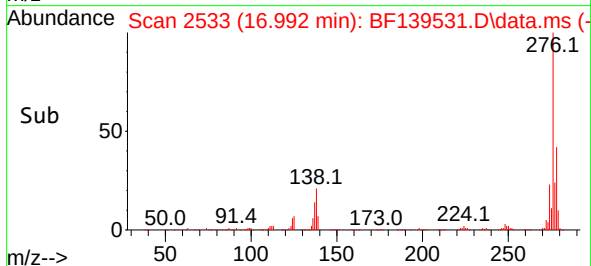


Tgt Ion:276 Resp: 46635
Ion Ratio Lower Upper
276 100
138 22.8 15.4 23.2
277 25.1 20.4 30.6

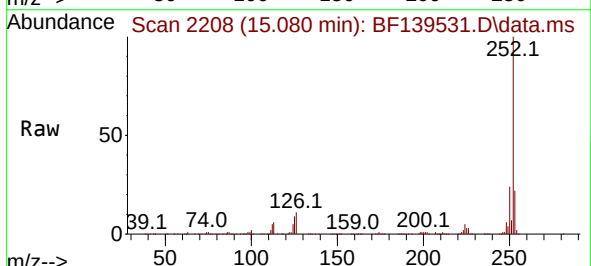
Manual Integrations

APPROVED

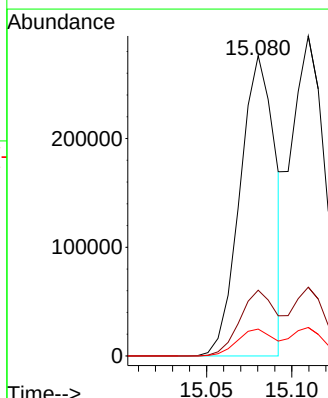
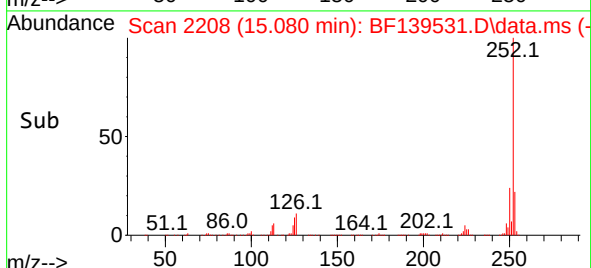
Reviewed By :Yogesh Patel 09/26/2024
Supervised By :mohammad ahmed 09/27/2024

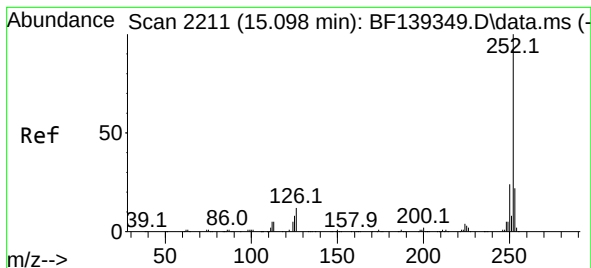


#88
Benzo(b)fluoranthene
Concen: 45.118 ng
RT: 15.080 min Scan# 2208
Delta R.T. 0.012 min
Lab File: BF139531.D
Acq: 25 Sep 2024 16:12



Tgt Ion:252 Resp: 396356
Ion Ratio Lower Upper
252 100
253 21.9 17.6 26.4
125 9.0 6.2 9.2





#89

Benzo(k)fluoranthene

Concen: 50.110 ng

RT: 15.110 min Scan# 21

Delta R.T. 0.012 min

Lab File: BF139531.D

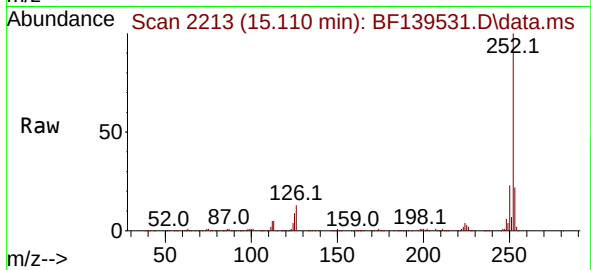
Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

ClientSampleId :

PB163661BS



Tgt Ion:252 Resp: 405889

Ion Ratio Lower Upper

252 100

253 21.5 17.3 25.9

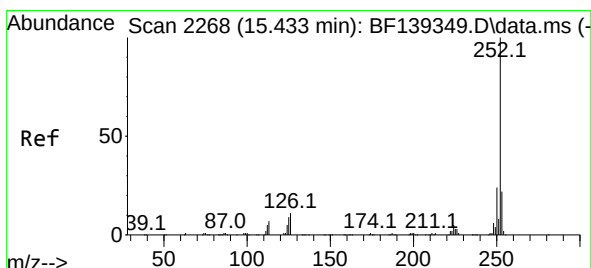
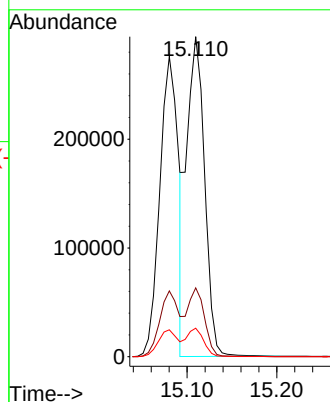
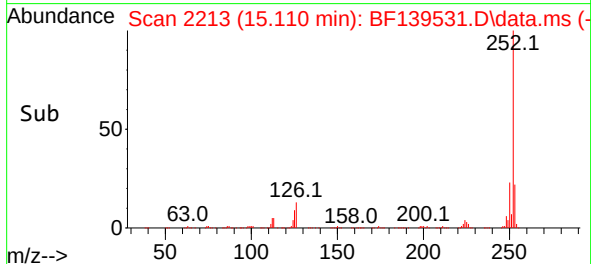
125 8.9 5.9 8.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/26/2024

Supervised By :mohammad ahmed 09/27/2024



#90

Benzo(a)pyrene

Concen: 54.152 ng

RT: 15.451 min Scan# 2271

Delta R.T. 0.018 min

Lab File: BF139531.D

Acq: 25 Sep 2024 16:12

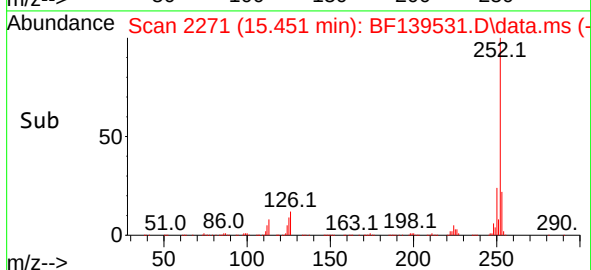
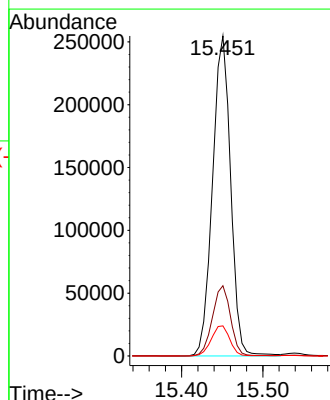
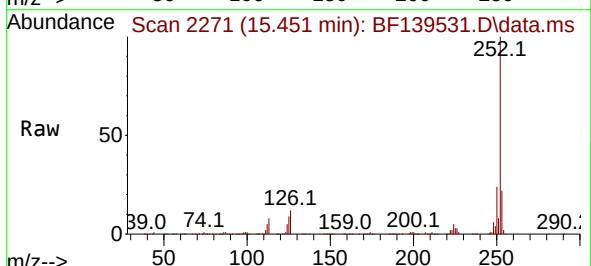
Tgt Ion:252 Resp: 394543

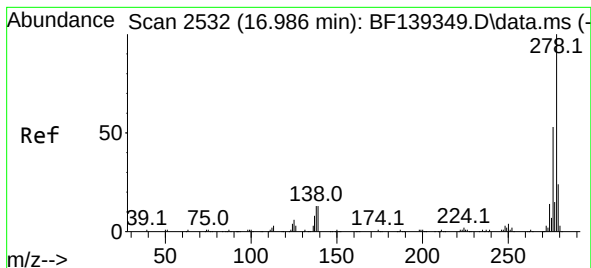
Ion Ratio Lower Upper

252 100

253 21.9 17.3 25.9

125 9.4 6.8 10.2





#91

Dibenzo(a,h)anthracene

Concen: 54.363 ng

RT: 17.009 min Scan# 21

Delta R.T. 0.023 min

Lab File: BF139531.D

Acq: 25 Sep 2024 16:12

Instrument :

BNA_F

ClientSampleId :

PB163661BS

Tgt Ion:278 Resp: 38049

Ion Ratio Lower Upper

278 100

139 14.9 10.2 15.2

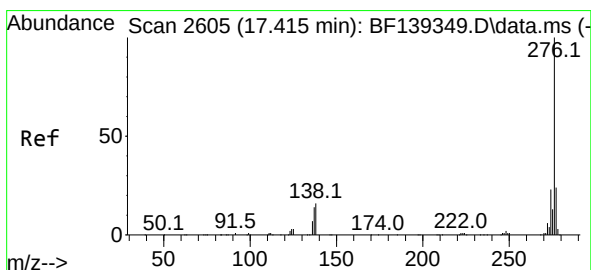
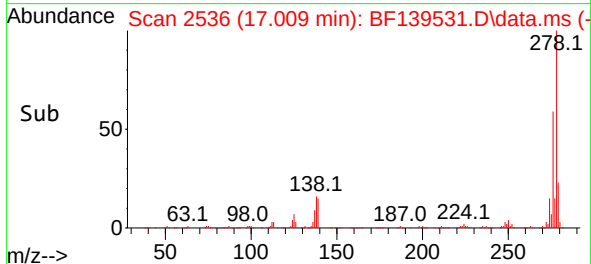
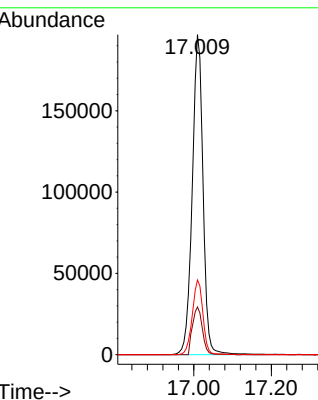
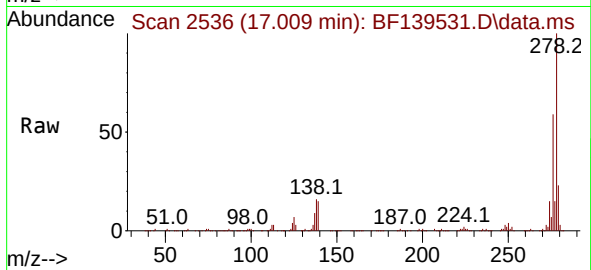
279 23.4 18.9 28.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 09/26/2024

Supervised By :mohammad ahmed 09/27/2024



#92

Benzo(g,h,i)perylene

Concen: 50.880 ng

RT: 17.439 min Scan# 2609

Delta R.T. 0.023 min

Lab File: BF139531.D

Acq: 25 Sep 2024 16:12

Tgt Ion:276 Resp: 352595

Ion Ratio Lower Upper

276 100

277 23.1 18.9 28.3

138 19.6 13.0 19.6#

