

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012125\
 Data File : BF141232.D
 Acq On : 21 Jan 2025 13:36
 Operator : RC/JU
 Sample : Q1123-01MS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 BU-03-1172025MS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 01/22/2025
 Supervised By :mohammad ahmed 01/22/2025

Quant Time: Jan 21 14:15:43 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF011025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Jan 10 22:54:19 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.804	152	154688	20.000	ng	-0.02
21) Naphthalene-d8	8.086	136	598780	20.000	ng	-0.02
39) Acenaphthene-d10	9.845	164	300108	20.000	ng	-0.02
64) Phenanthrene-d10	11.333	188	434901	20.000	ng	-0.01
76) Chrysene-d12	13.980	240	338185	20.000	ng	0.00
86) Perylene-d12	15.445	264	363862	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.428	112	982346	98.103	ng	0.00
7) Phenol-d6	6.439	99	1234408	97.319	ng	0.00
23) Nitrobenzene-d5	7.369	82	800759	70.889	ng	-0.02
42) 2,4,6-Tribromophenol	10.633	330	354647	103.712	ng	-0.02
45) 2-Fluorobiphenyl	9.163	172	1459915	74.285	ng	-0.02
79) Terphenyl-d14	12.916	244	1314581	57.775	ng	-0.02
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.587	88	190497	42.721	ng	99
3) Pyridine	3.322	79	472923	43.249	ng	96
4) n-Nitrosodimethylamine	3.275	42	247400	46.271	ng	99
6) Aniline	6.469	93	297752	26.440	ng	# 87
8) 2-Chlorophenol	6.592	128	535736	49.867	ng	96
9) Benzaldehyde	6.351	77	62113	8.314	ng	98
10) Phenol	6.451	94	647119	47.660	ng	96
11) bis(2-Chloroethyl)ether	6.539	93	514527	50.848	ng	97
12) 1,3-Dichlorobenzene	6.745	146	561903	46.896	ng	99
13) 1,4-Dichlorobenzene	6.822	146	565612	46.844	ng	100
14) 1,2-Dichlorobenzene	6.975	146	539788	47.926	ng	98
15) Benzyl Alcohol	6.945	79	460793	50.304	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.081	45	675845	47.863	ng	94
17) 2-Methylphenol	7.063	107	423015	48.771	ng	98
18) Hexachloroethane	7.316	117	212384	48.640	ng	98
19) n-Nitroso-di-n-propyla...	7.222	70	360382	48.232	ng	97
20) 3+4-Methylphenols	7.216	107	520863	47.600	ng	# 80
22) Acetophenone	7.216	105	693077	48.690	ng	97
24) Nitrobenzene	7.386	77	551110	46.812	ng	99
25) Isophorone	7.628	82	980748	50.805	ng	99
26) 2-Nitrophenol	7.704	139	283686	52.973	ng	99
27) 2,4-Dimethylphenol	7.739	122	430898	59.653	ng	98
28) bis(2-Chloroethoxy)met...	7.839	93	605460	49.976	ng	99
29) 2,4-Dichlorophenol	7.945	162	430280	50.155	ng	99
30) 1,2,4-Trichlorobenzene	8.028	180	459856	46.894	ng	99
31) Naphthalene	8.110	128	1559668	49.392	ng	99
32) Benzoic acid	7.857	122	280435	40.471	ng	99
33) 4-Chloroaniline	8.157	127	172107	15.760	ng	99
34) Hexachlorobutadiene	8.228	225	290512	49.166	ng	100
35) Caprolactam	8.522	113	127909m	45.540	ng	
36) 4-Chloro-3-methylphenol	8.645	107	454783	48.471	ng	99
37) 2-Methylnaphthalene	8.798	142	1003276	49.859	ng	100
38) 1-Methylnaphthalene	8.898	142	924783	46.633	ng	99
40) 1,2,4,5-Tetrachloroben...	8.969	216	450648	52.318	ng	99
41) Hexachlorocyclopentadiene	8.951	237	409638	145.359	ng	99
43) 2,4,6-Trichlorophenol	9.080	196	305031	52.506	ng	100

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.122	196	303295	49.433	ng	99
46) 1,1'-Biphenyl	9.263	154	1217226	52.227	ng	100
47) 2-Chloronaphthalene	9.292	162	887340	48.882	ng	99
48) 2-Nitroaniline	9.386	65	270096	50.194	ng	98
49) Acenaphthylene	9.704	152	1368375	52.762	ng	99
50) Dimethylphthalate	9.569	163	1069685	53.093	ng	100
51) 2,6-Dinitrotoluene	9.627	165	231810	49.477	ng	98
52) Acenaphthene	9.880	154	966969	53.366	ng	100
53) 3-Nitroaniline	9.792	138	142004	29.826	ng	99
54) 2,4-Dinitrophenol	9.904	184	171768	77.131	ng	96
55) Dibenzofuran	10.051	168	1241157	50.359	ng	99
56) 4-Nitrophenol	9.963	139	345331	92.612	ng	98
57) 2,4-Dinitrotoluene	10.033	165	299173	49.549	ng	99
58) Fluorene	10.392	166	957019	49.982	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.169	232	249426	48.908	ng	99
60) Diethylphthalate	10.269	149	1036001	52.672	ng	100
61) 4-Chlorophenyl-phenyle...	10.386	204	464711	49.796	ng	98
62) 4-Nitroaniline	10.410	138	196763	42.224	ng	97
63) Azobenzene	10.545	77	987610	50.887	ng	98
65) 4,6-Dinitro-2-methylph...	10.439	198	122525	48.619	ng	96
66) n-Nitrosodiphenylamine	10.504	169	824154	58.753	ng	99
67) 4-Bromophenyl-phenylether	10.874	248	290208	57.960	ng	99
68) Hexachlorobenzene	10.939	284	304539	54.638	ng	99
69) Atrazine	11.033	200	269530	71.361	ng	99
70) Pentachlorophenol	11.133	266	351273	98.411	ng	99
71) Phenanthrene	11.357	178	1521675	65.172	ng	100
72) Anthracene	11.410	178	1329797	58.574	ng	100
73) Carbazole	11.563	167	1085295	52.135	ng	100
74) Di-n-butylphthalate	11.898	149	1412800	59.303	ng	100
75) Fluoranthene	12.545	202	1539807	66.087	ng	99
77) Benzidine	12.668	184	350465	55.883	ng	98
78) Pyrene	12.774	202	1543415	47.782	ng	99
80) Butylbenzylphthalate	13.398	149	539349	50.082	ng	97
81) Benzo(a)anthracene	13.968	228	1334781	57.995	ng	99
82) 3,3'-Dichlorobenzidine	13.927	252	230663	31.475	ng	99
83) Chrysene	14.004	228	1195578	55.517	ng	99
84) Bis(2-ethylhexyl)phtha...	13.963	149	733342	56.753	ng	99
85) Di-n-octyl phthalate	14.592	149	1319794	67.638	ng	98
87) Indeno(1,2,3-cd)pyrene	16.898	276	1115216	41.835	ng	98
88) Benzo(b)fluoranthene	15.027	252	1441840	61.452	ng	99
89) Benzo(k)fluoranthene	15.051	252	1120830	56.527	ng	99
90) Benzo(a)pyrene	15.386	252	1203772	62.184	ng	99
91) Dibenzo(a,h)anthracene	16.915	278	885501	41.070	ng	99
92) Benzo(g,h,i)perylene	17.333	276	802209	35.771	ng	99

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

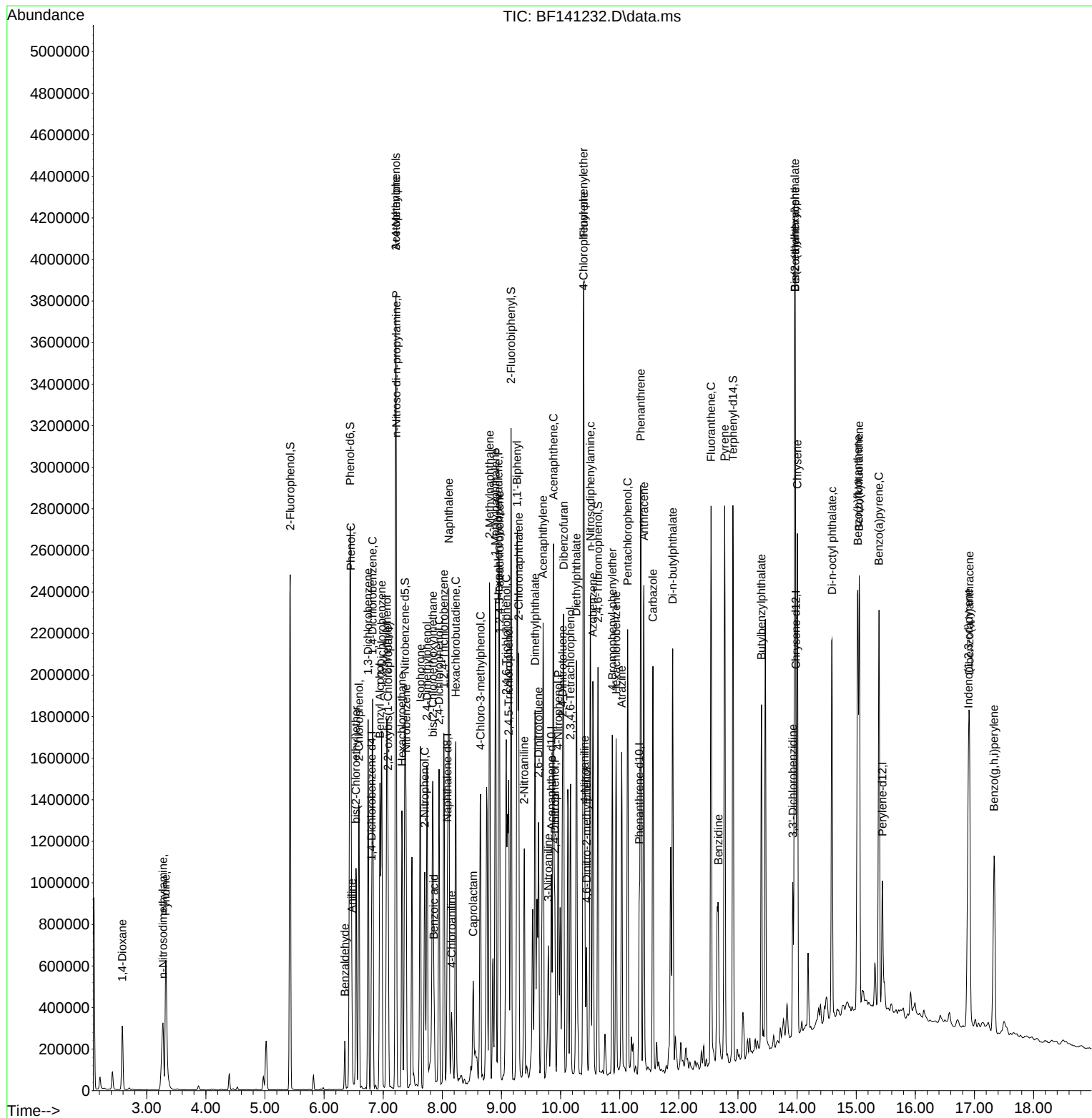
Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF012125\
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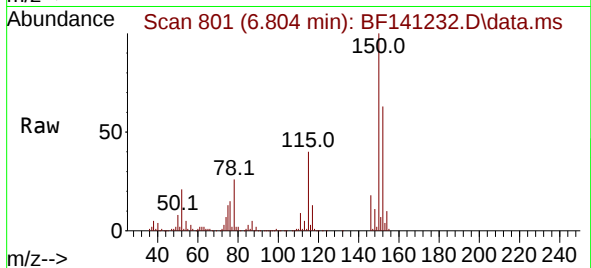
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.804 min Scan# 80
Delta R.T. -0.018 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

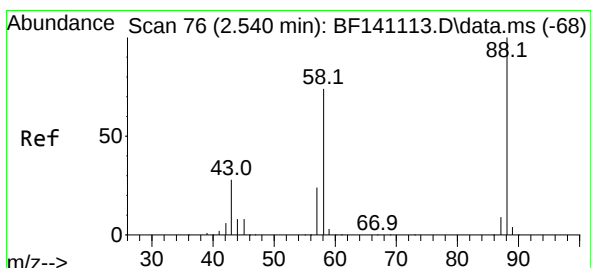
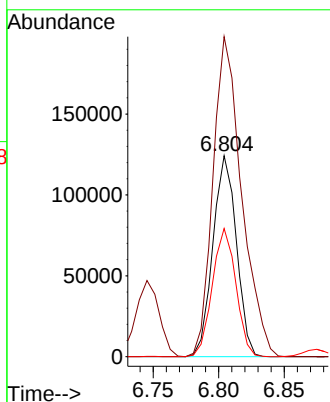
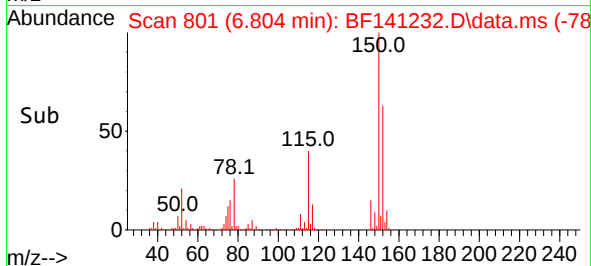
Instrument :
BNA_F
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BU-03-1172025MS



Tgt Ion:152 Resp: 15468
Ion Ratio Lower Upper
152 100
150 159.2 125.8 188.8
115 63.7 51.4 77.2

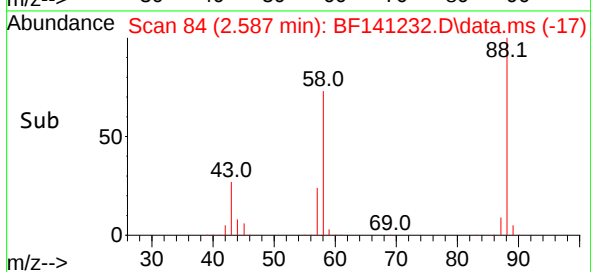
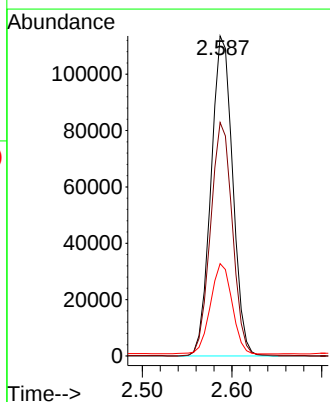
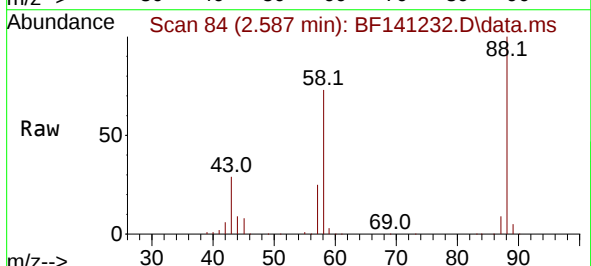
Manual Integrations
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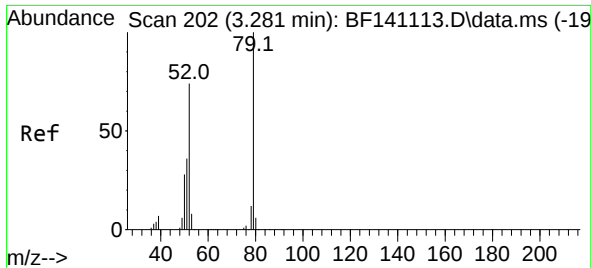
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#2
1,4-Dioxane
Concen: 42.721 ng
RT: 2.587 min Scan# 84
Delta R.T. 0.047 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

Tgt Ion: 88 Resp: 190497
Ion Ratio Lower Upper
88 100
58 73.9 60.1 90.1
43 28.2 23.1 34.7





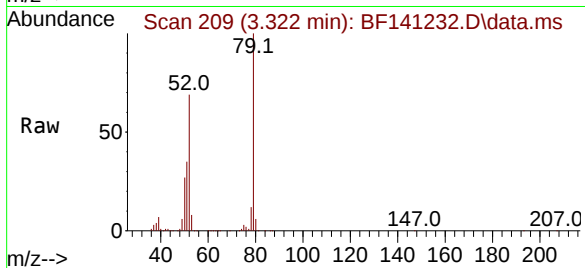
#3
Pyridine
Concen: 43.249 ng
RT: 3.322 min Scan# 201
Delta R.T. 0.041 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025MS



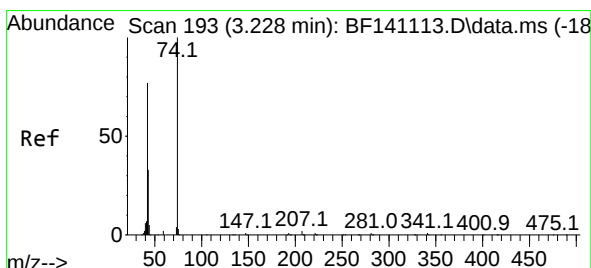
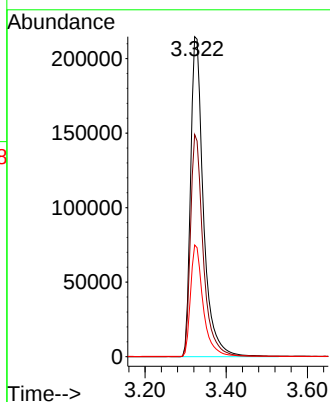
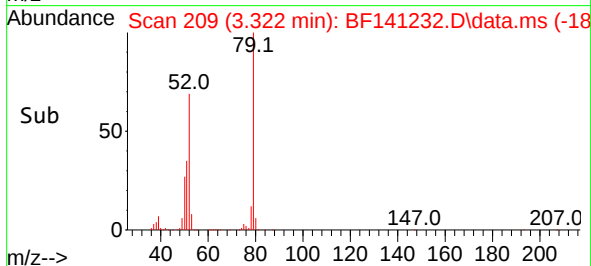
Tgt Ion: 79 Resp: 472923
Ion Ratio Lower Upper
79 100
52 69.4 58.9 88.3
51 34.9 29.1 43.7

Manual Integrations

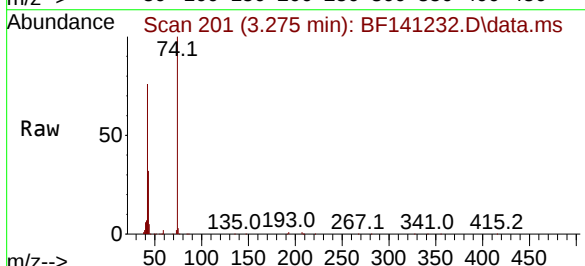
APPROVED

Reviewed By :Yogesh Patel 01/22/2025

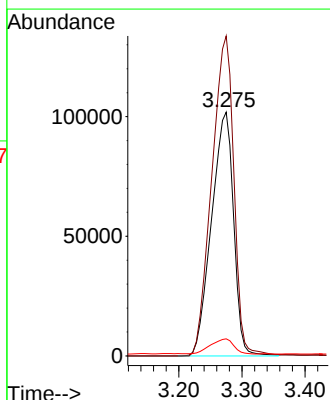
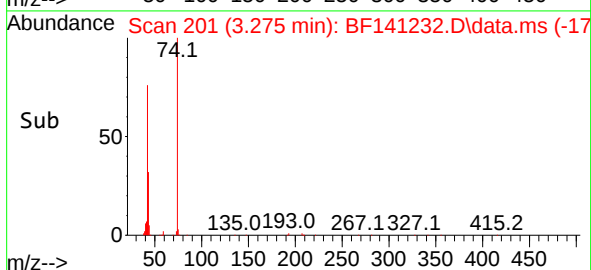
Supervised By :mohammad ahmed 01/22/2025

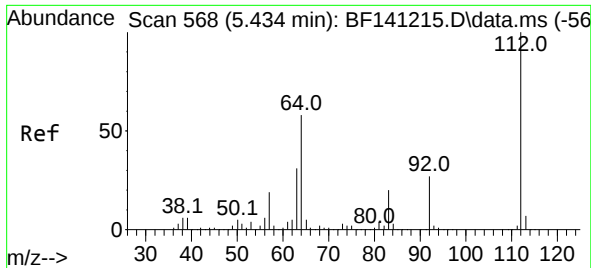


#4
n-Nitrosodimethylamine
Concen: 46.271 ng
RT: 3.275 min Scan# 201
Delta R.T. 0.047 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36



Tgt Ion: 42 Resp: 247400
Ion Ratio Lower Upper
42 100
74 131.2 103.8 155.6
44 7.0 5.3 7.9





#5
2-Fluorophenol
Concen: 98.103 ng
RT: 5.428 min Scan# 50
Delta R.T. -0.000 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

Instrument :

BNA_F

ClientSampleId :

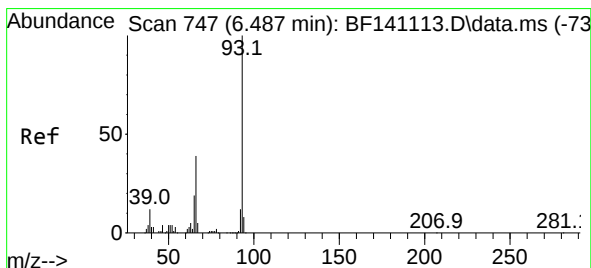
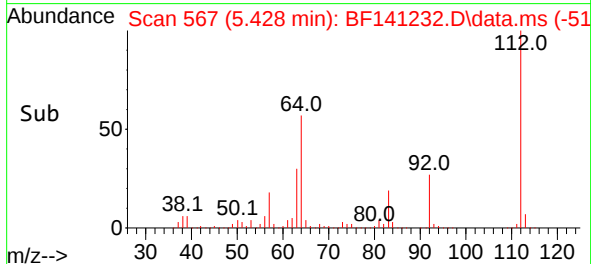
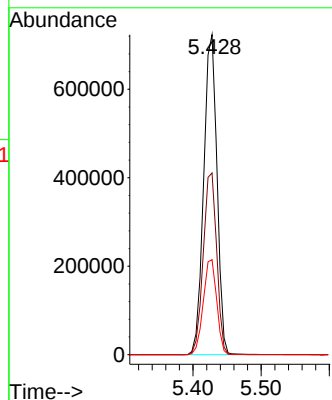
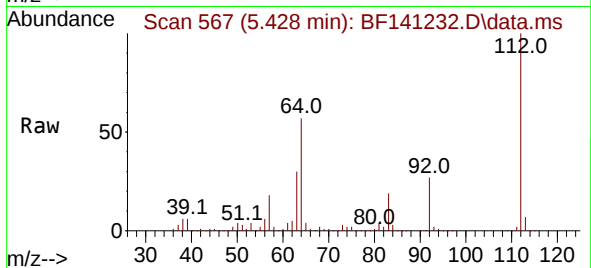
BU-03-1172025MS

Tgt Ion:112 Resp: 982340
Ion Ratio Lower Upper
112 100
64 56.8 47.3 70.9
63 29.7 24.2 36.2

Manual Integrations

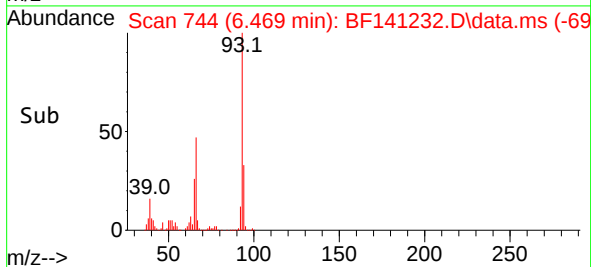
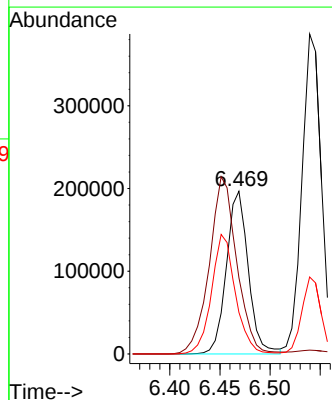
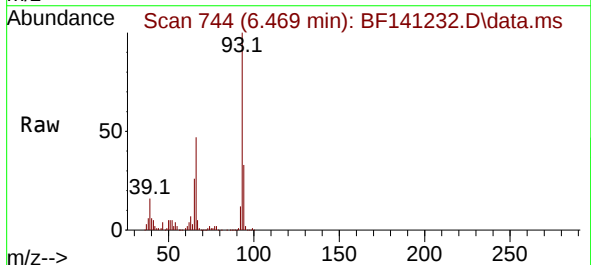
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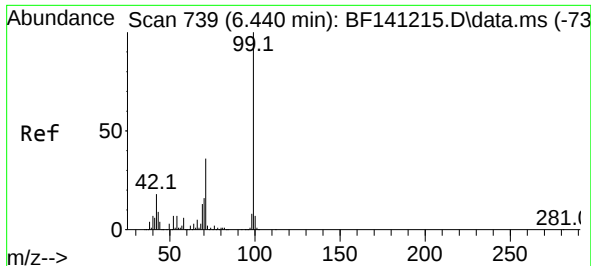
Reviewed By :Yogesh Patel 01/22/2025
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#6
Aniline
Concen: 26.440 ng
RT: 6.469 min Scan# 744
Delta R.T. -0.018 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

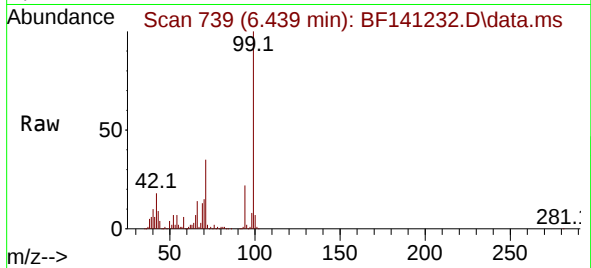
Tgt Ion: 93 Resp: 297752
Ion Ratio Lower Upper
93 100
66 46.9 31.5 47.3
65 25.6 15.3 22.9





#7
Phenol-d6
Concen: 97.319 ng
RT: 6.439 min Scan# 713
Delta R.T. -0.006 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

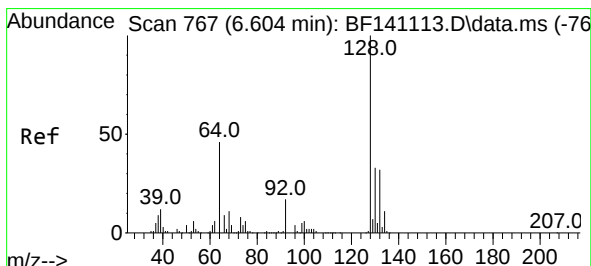
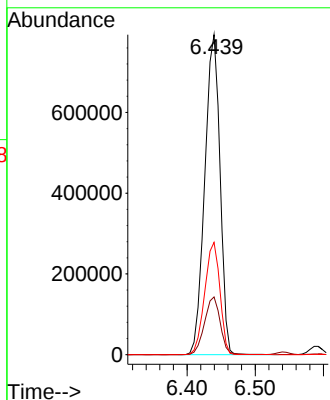
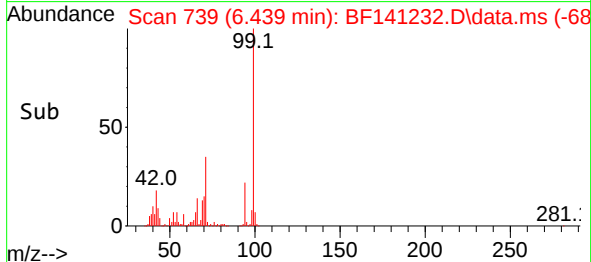
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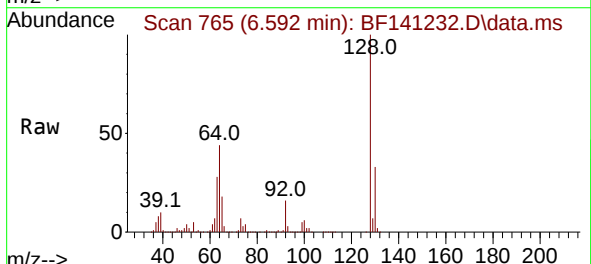
Tgt Ion: 99 Resp: 1234408
Ion Ratio Lower Upper
99 100
42 18.1 15.0 22.4
71 35.1 27.6 41.4

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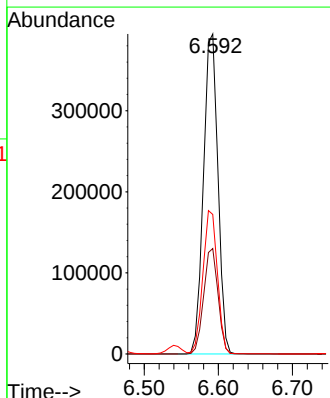
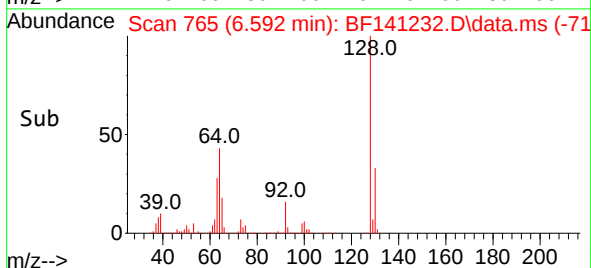
Reviewed By :Yogesh Patel 01/22/2025
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#8
2-Chlorophenol
Concen: 49.867 ng
RT: 6.592 min Scan# 765
Delta R.T. -0.012 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36



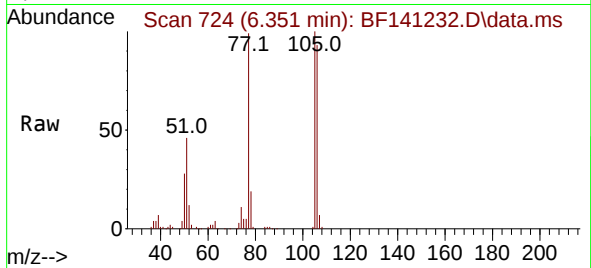
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Ion Ratio Lower Upper
128 100
130 33.0 12.5 52.5
64 43.6 28.3 68.3





#9
Benzaldehyde
Concen: 8.314 ng
RT: 6.351 min Scan# 711
Delta R.T. -0.018 min
Lab File: BF141232.D
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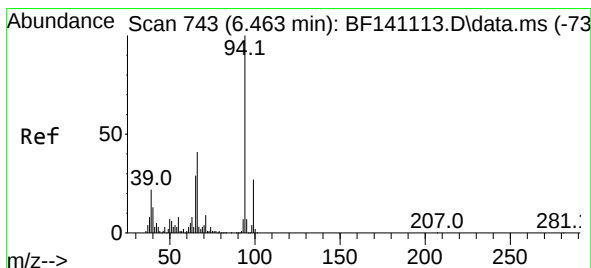
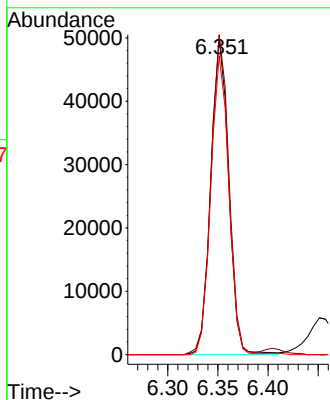
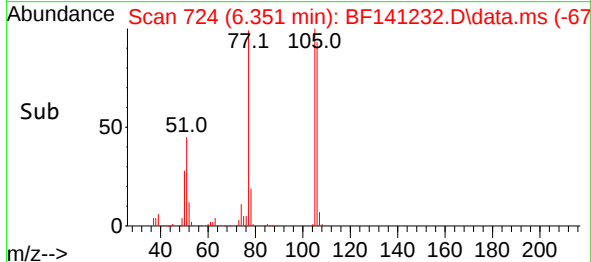
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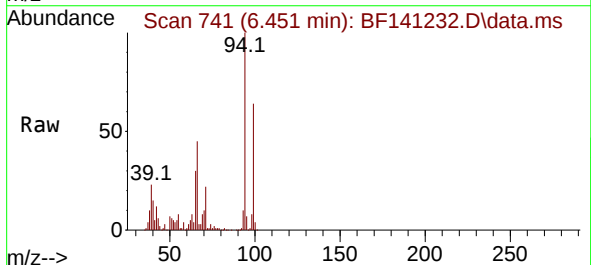
Tgt Ion: 77 Resp: 6211
Ion Ratio Lower Upper
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105 101.2 78.9 118.9
106 94.6 73.6 113.6

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APPROVED

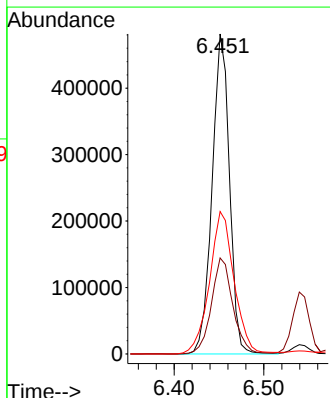
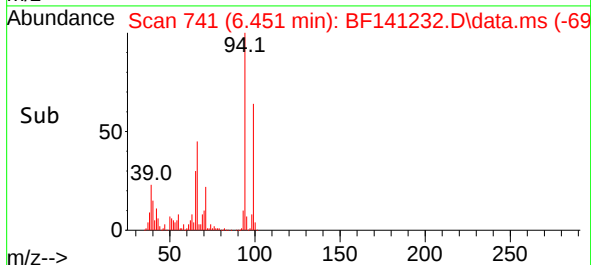
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#10
Phenol
Concen: 47.660 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.012 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36



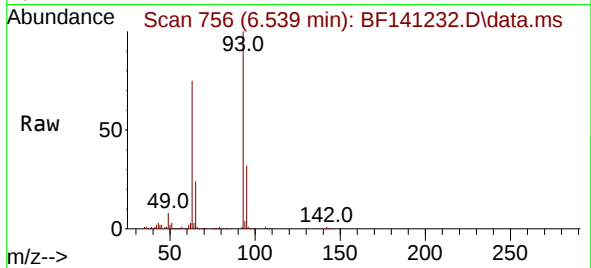
Tgt Ion: 94 Resp: 647119
Ion Ratio Lower Upper
94 100
65 30.0 8.9 48.9
66 44.5 21.2 61.2





#11
bis(2-Chloroethyl)ether
Concen: 50.848 ng
RT: 6.539 min Scan# 710
Delta R.T. -0.018 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

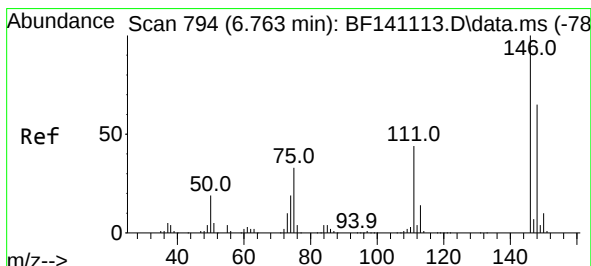
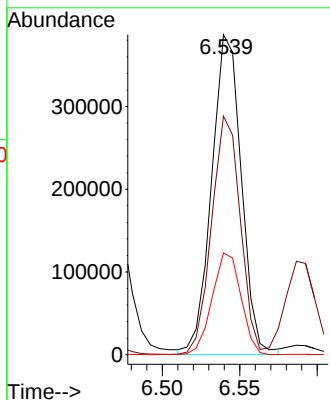
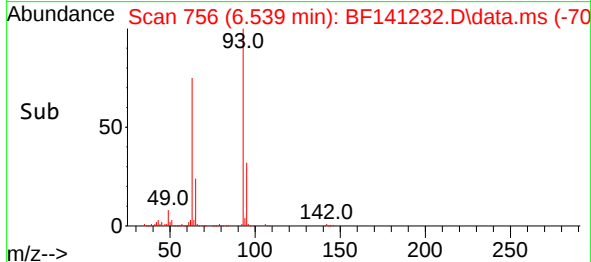
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MS



Tgt Ion: 93 Resp: 51452
Ion Ratio Lower Upper
93 100
63 74.6 58.0 98.0
95 31.8 12.5 52.5

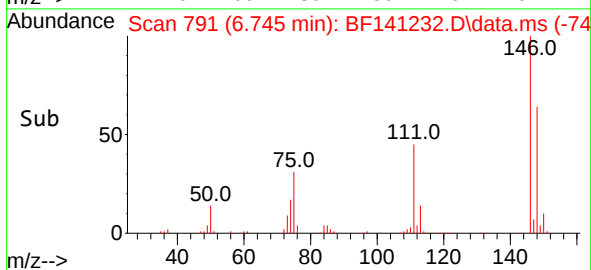
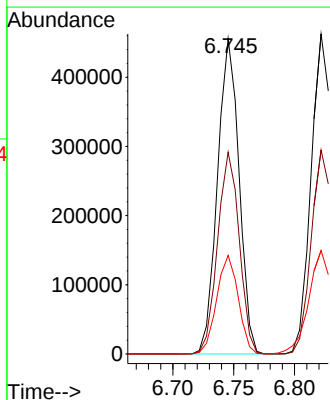
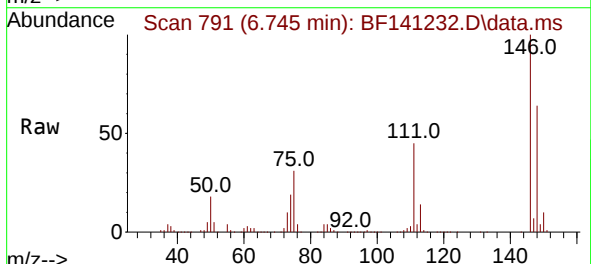
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#12
1,3-Dichlorobenzene
Concen: 46.896 ng
RT: 6.745 min Scan# 791
Delta R.T. -0.018 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

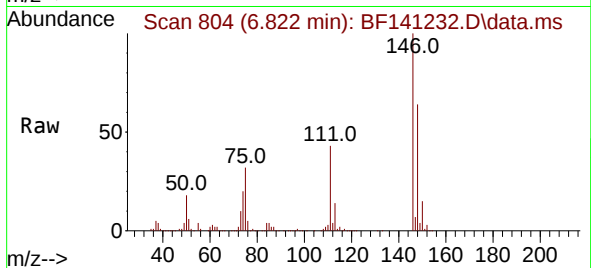
Tgt Ion:146 Resp: 561903
Ion Ratio Lower Upper
146 100
148 63.9 51.6 77.4
75 31.3 26.2 39.2





#13
1,4-Dichlorobenzene
Concen: 46.844 ng
RT: 6.822 min Scan# 807
Delta R.T. -0.018 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

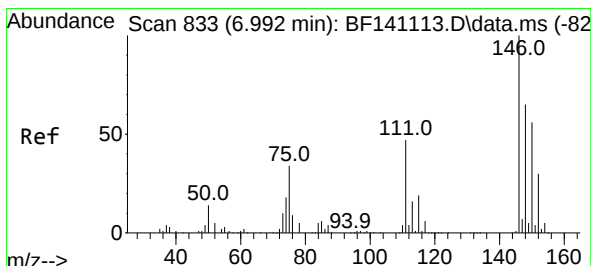
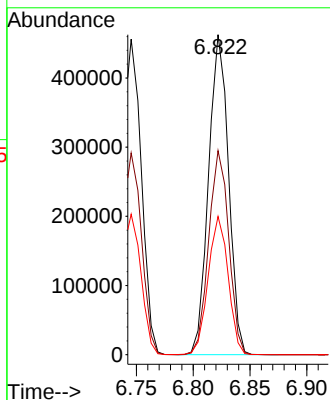
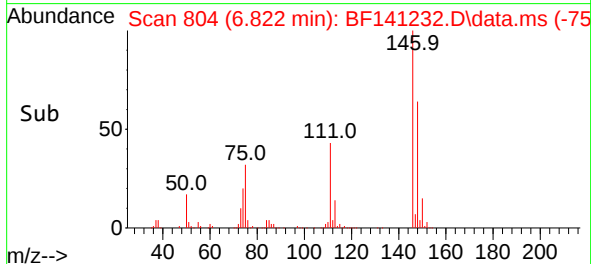
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MS



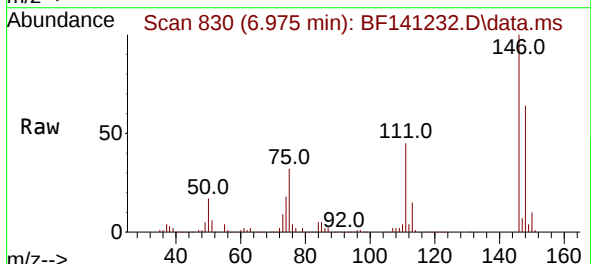
Tgt Ion:146 Resp: 565612
Ion Ratio Lower Upper
146 100
148 63.7 51.0 76.6
111 43.2 34.9 52.3

Manual Integrations
APPROVED

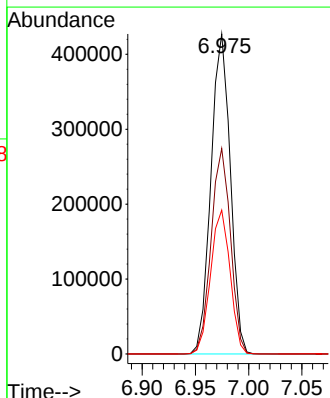
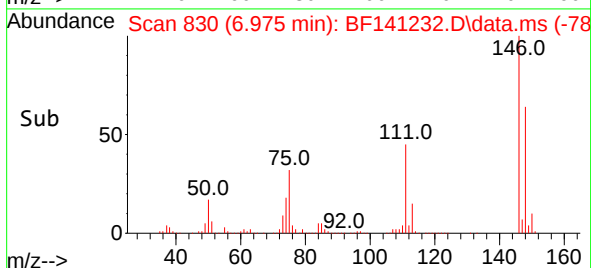
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#14
1,2-Dichlorobenzene
Concen: 47.926 ng
RT: 6.975 min Scan# 830
Delta R.T. -0.018 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36



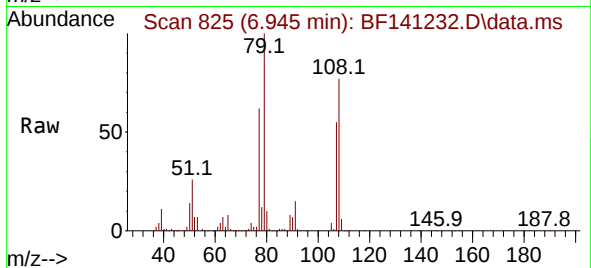
Tgt Ion:146 Resp: 539788
Ion Ratio Lower Upper
146 100
148 64.2 52.2 78.4
111 45.0 37.5 56.3





#15
Benzyl Alcohol
Concen: 50.304 ng
RT: 6.945 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

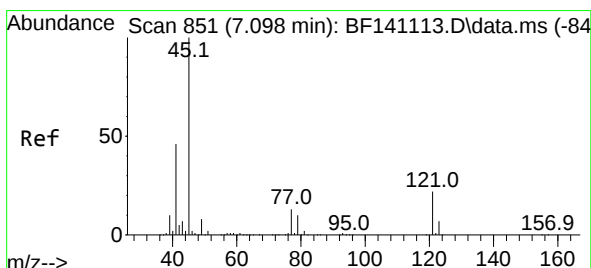
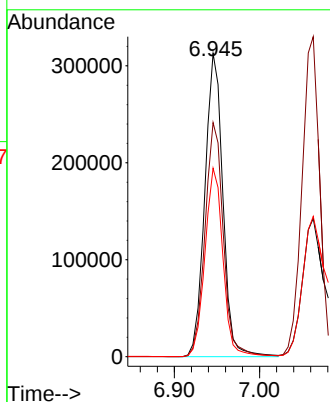
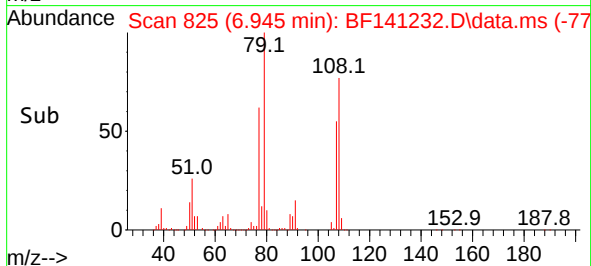
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MS



Tgt Ion: 79 Resp: 46079
Ion Ratio Lower Upper
79 100
108 77.2 61.4 92.0
77 62.1 49.8 74.6

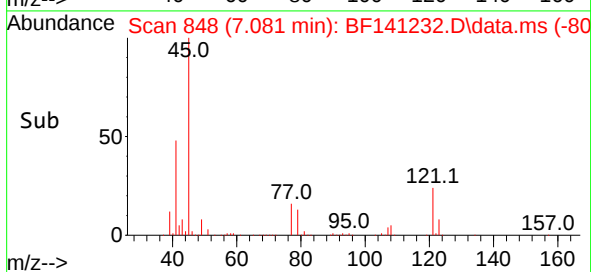
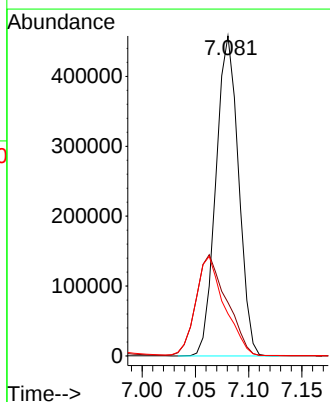
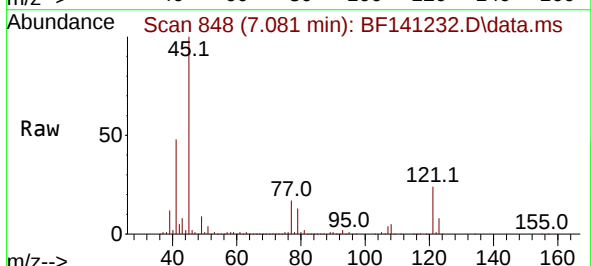
Manual Integrations
APPROVED

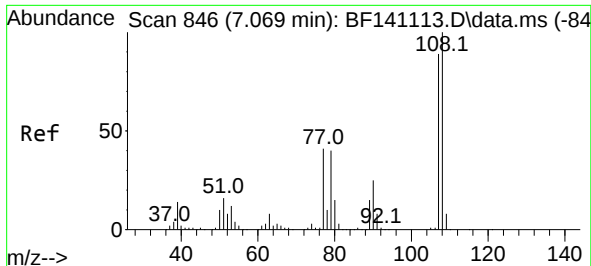
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 47.863 ng
RT: 7.081 min Scan# 848
Delta R.T. -0.018 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

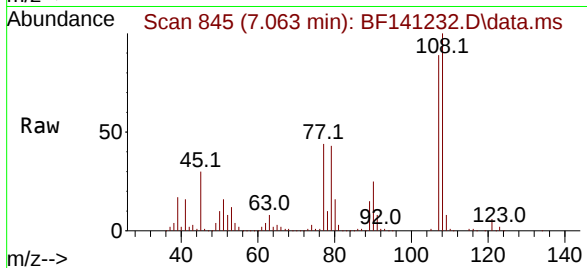
Tgt Ion: 45 Resp: 675845
Ion Ratio Lower Upper
45 100
77 16.7 0.0 34.1
79 13.2 0.0 31.0





#17
2-Methylphenol
Concen: 48.771 ng
RT: 7.063 min Scan# 846
Delta R.T. -0.006 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

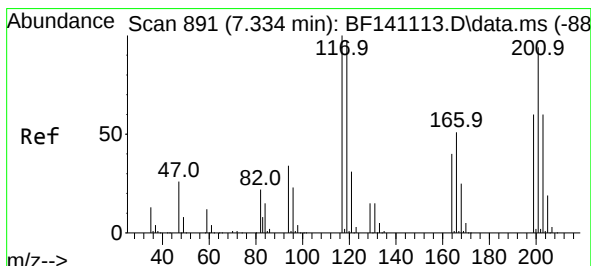
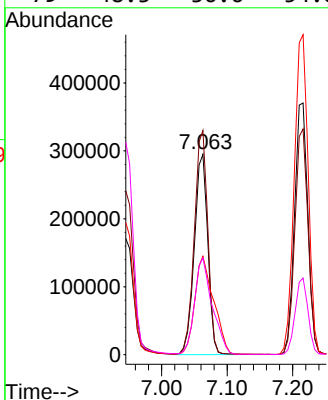
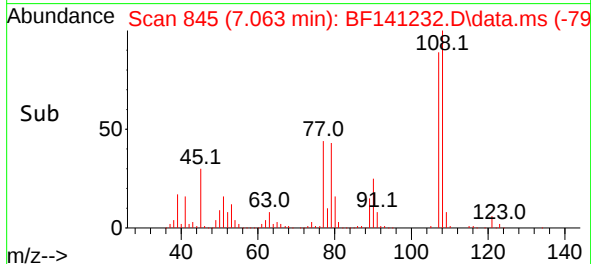
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MS



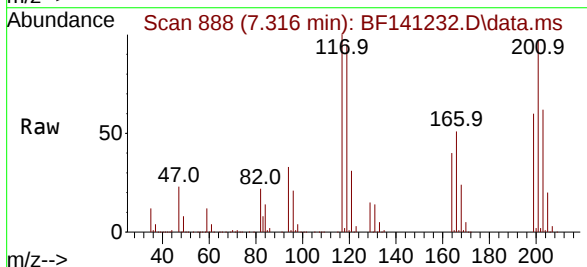
Tgt Ion:107 Resp: 423015
Ion Ratio Lower Upper
107 100
108 111.9 90.1 135.1
77 49.1 36.6 55.0
79 48.3 36.6 54.8

Manual Integrations
APPROVED

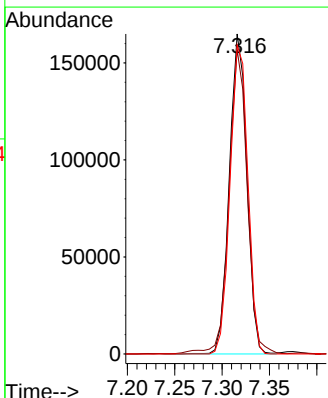
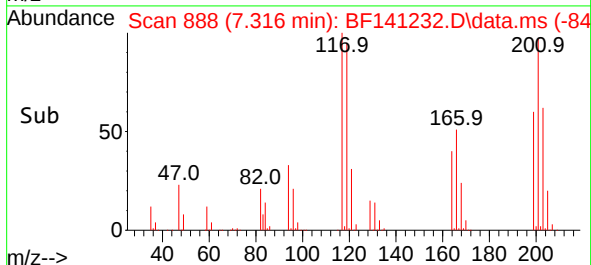
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025

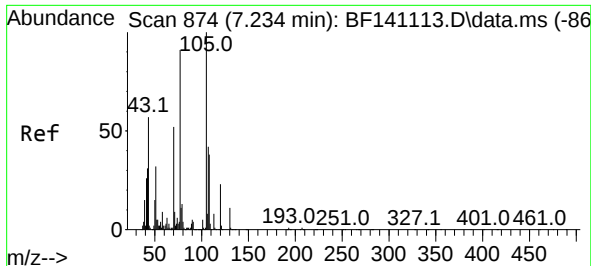


#18
Hexachloroethane
Concen: 48.640 ng
RT: 7.316 min Scan# 888
Delta R.T. -0.018 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36



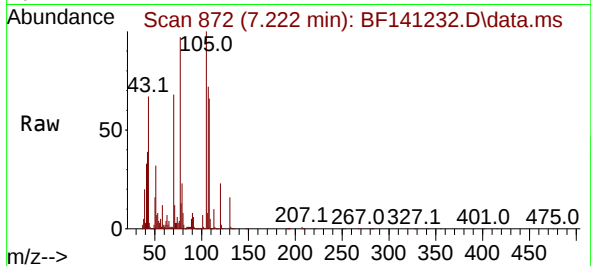
Tgt Ion:117 Resp: 212384
Ion Ratio Lower Upper
117 100
119 95.0 77.6 116.4
201 96.5 75.1 112.7





#19
n-Nitroso-di-n-propylamine
Concen: 48.232 ng
RT: 7.222 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

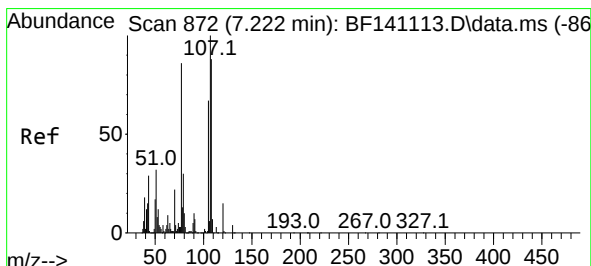
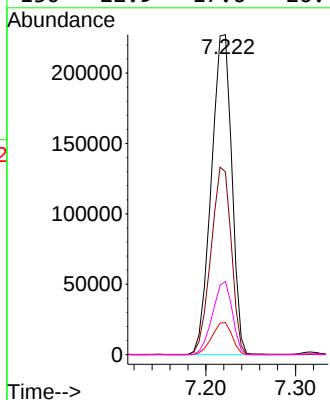
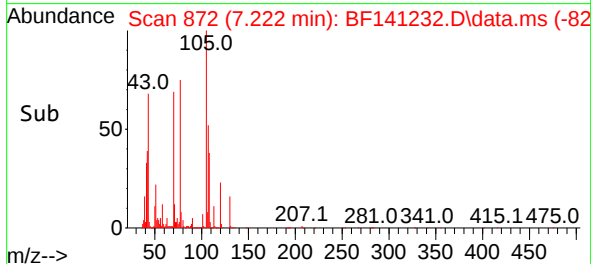
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MS



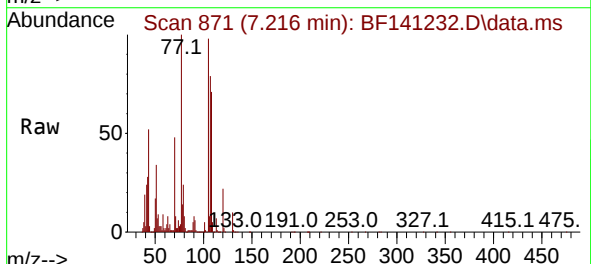
Tgt Ion: 70 Resp: 36038
Ion Ratio Lower Upper
70 100
42 57.2 47.8 71.6
101 10.1 7.9 11.9
130 22.9 17.6 26.4

Manual Integrations
APPROVED

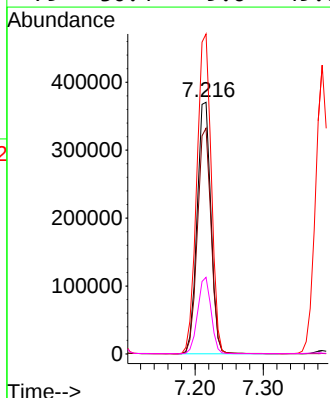
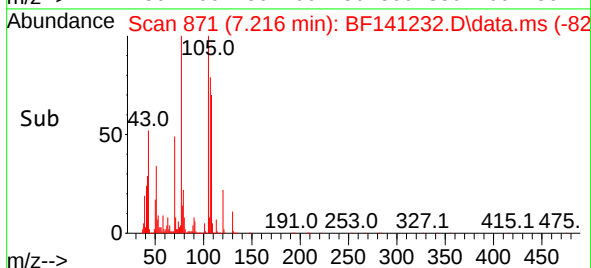
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025

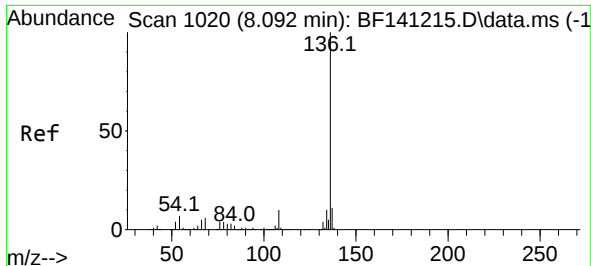


#20
3+4-Methylphenols
Concen: 47.600 ng
RT: 7.216 min Scan# 871
Delta R.T. -0.006 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36



Tgt Ion:107 Resp: 520863
Ion Ratio Lower Upper
107 100
108 89.7 68.3 108.3
77 127.1 66.4 106.4#
79 30.4 9.6 49.6





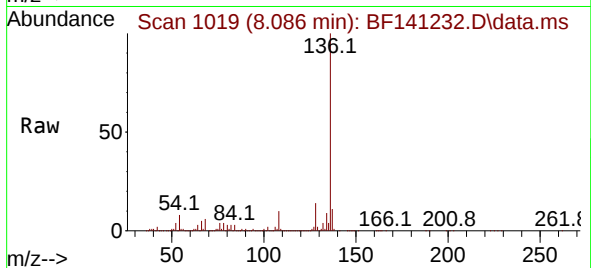
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.086 min Scan# 1019
Delta R.T. -0.018 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025MS

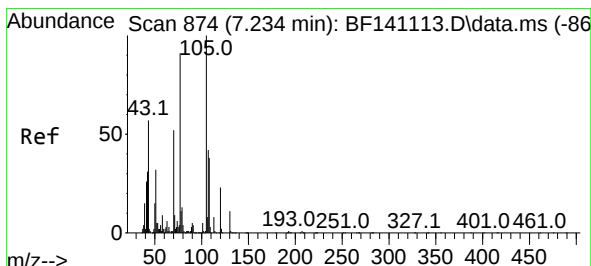
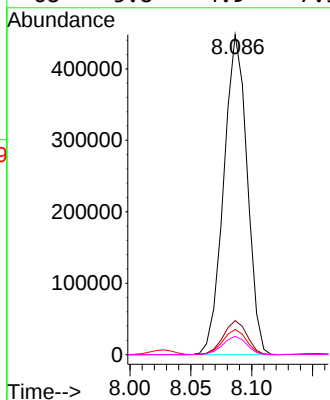
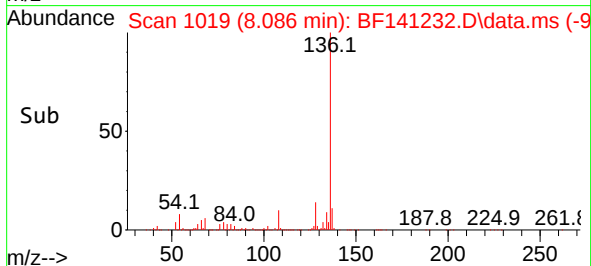


Tgt Ion:136 Resp: 598780
Ion Ratio Lower Upper
136 100
137 10.6 8.8 13.2
54 7.9 6.3 9.5
68 5.8 4.9 7.3

Manual Integrations

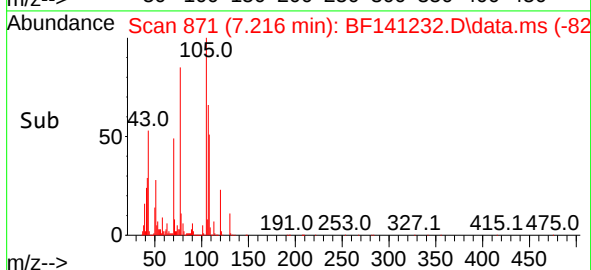
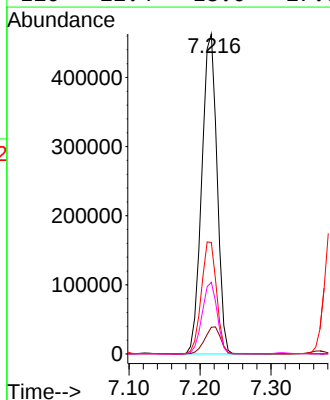
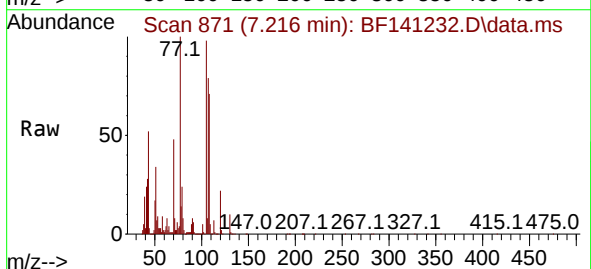
APPROVED

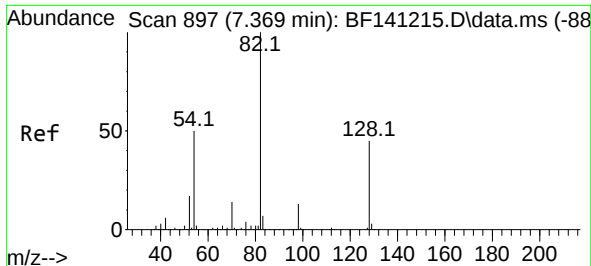
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#22
Acetophenone
Concen: 48.690 ng
RT: 7.216 min Scan# 871
Delta R.T. -0.018 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

Tgt Ion:105 Resp: 693077
Ion Ratio Lower Upper
105 100
71 8.4 7.1 10.7
51 34.8 25.4 38.2
120 22.4 18.0 27.0





#23
Nitrobenzene-d5
Concen: 70.889 ng
RT: 7.369 min Scan# 897
Delta R.T. -0.018 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

Instrument :

BNA_F

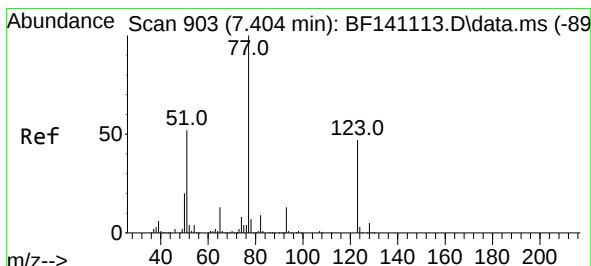
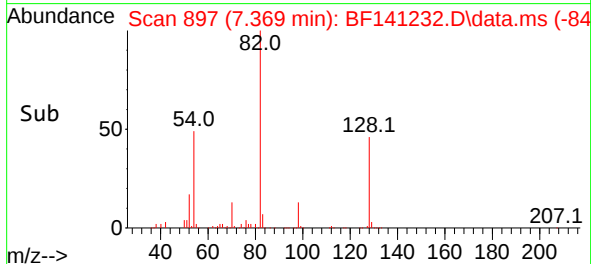
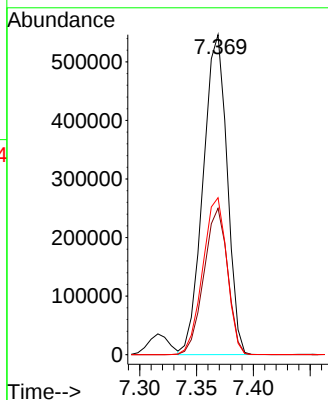
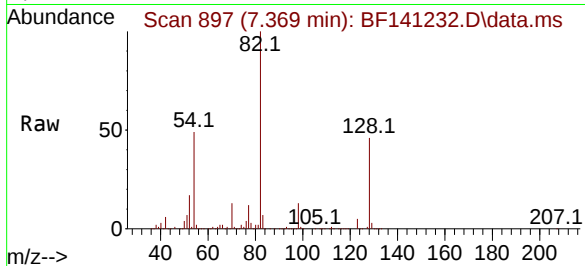
ClientSampleId :

BU-03-1172025MS

Tgt Ion: 82 Resp: 800759
Ion Ratio Lower Upper
82 100
128 45.8 36.1 54.1
54 49.1 41.0 61.4

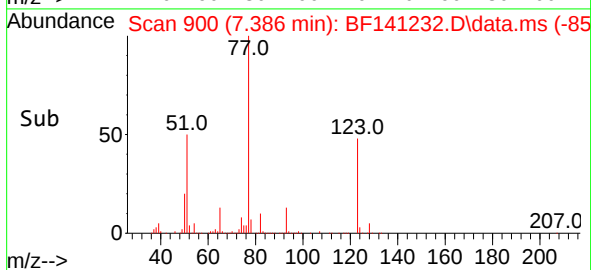
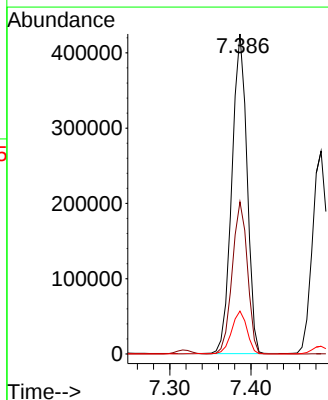
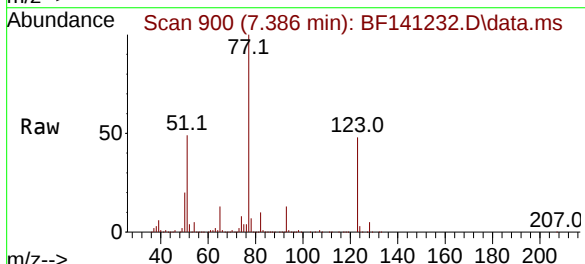
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#24
Nitrobenzene
Concen: 46.812 ng
RT: 7.386 min Scan# 900
Delta R.T. -0.018 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

Tgt Ion: 77 Resp: 551110
Ion Ratio Lower Upper
77 100
123 47.6 37.7 56.5
65 13.4 10.6 16.0





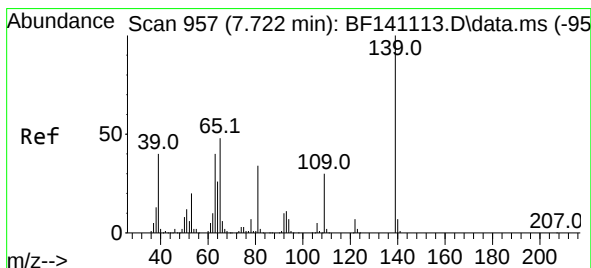
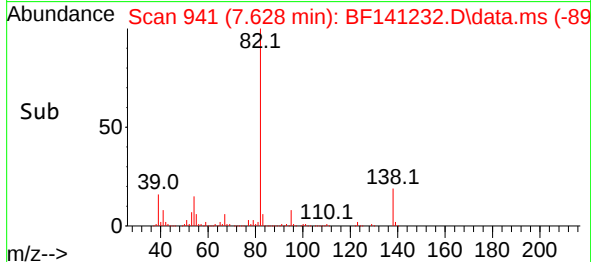
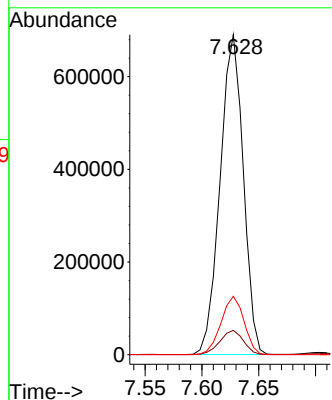
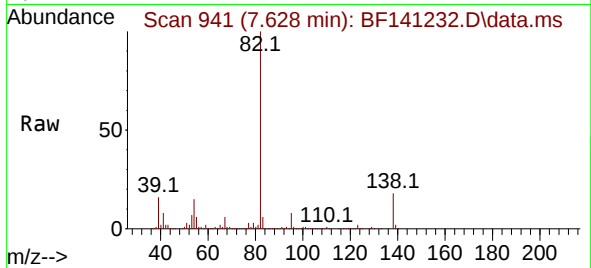
#25
Isophorone
Concen: 50.805 ng
RT: 7.628 min Scan# 941
Delta R.T. -0.012 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MS

Tgt Ion: 82 Resp: 980748
Ion Ratio Lower Upper
82 100
95 7.6 5.9 8.9
138 18.3 14.2 21.2

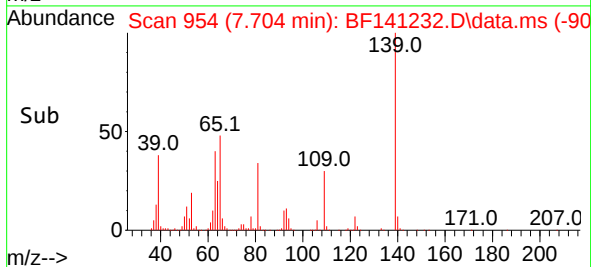
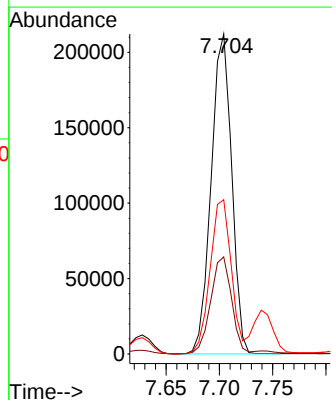
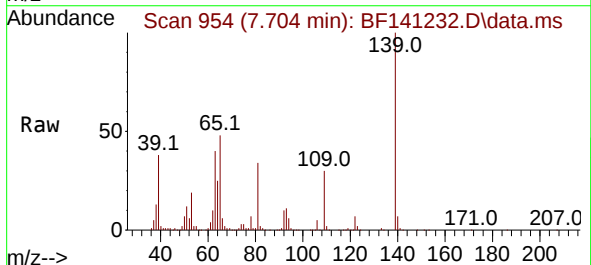
Manual Integrations
APPROVED

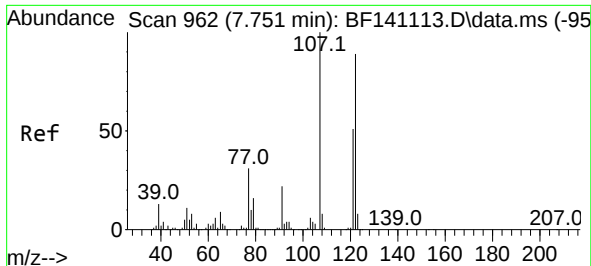
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#26
2-Nitrophenol
Concen: 52.973 ng
RT: 7.704 min Scan# 954
Delta R.T. -0.018 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

Tgt Ion:139 Resp: 283686
Ion Ratio Lower Upper
139 100
109 30.3 23.8 35.6
65 48.2 38.5 57.7





#27

2,4-Dimethylphenol

Concen: 59.653 ng

RT: 7.739 min Scan# 90

Delta R.T. -0.012 min

Lab File: BF141232.D

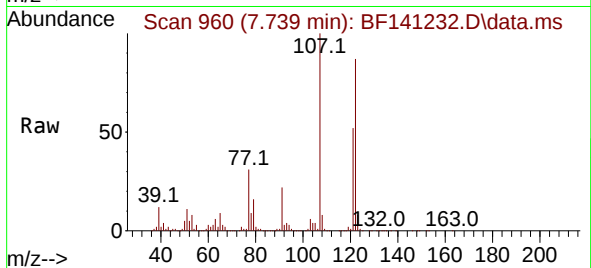
Acq: 21 Jan 2025 13:36

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025MS



Tgt Ion:122 Resp: 430898

Ion Ratio Lower Upper

122 100

107 114.9 90.3 135.5

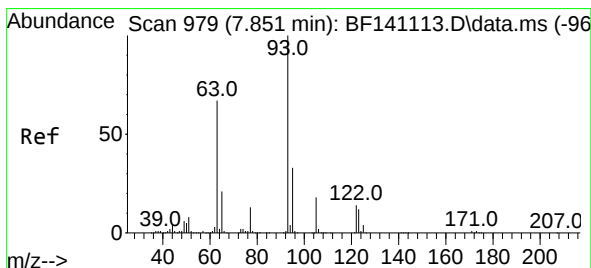
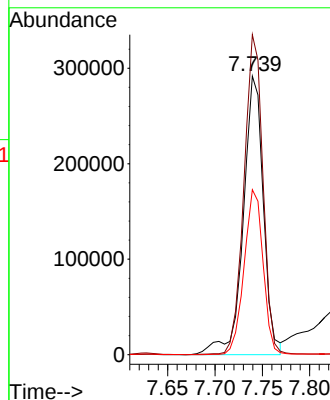
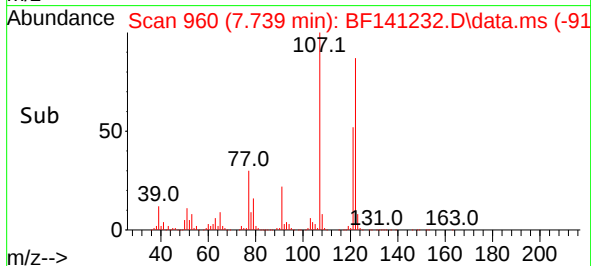
121 59.2 46.5 69.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/22/2025

Supervised By :mohammad ahmed 01/22/2025



#28

bis(2-Chloroethoxy)methane

Concen: 49.976 ng

RT: 7.839 min Scan# 977

Delta R.T. -0.012 min

Lab File: BF141232.D

Acq: 21 Jan 2025 13:36

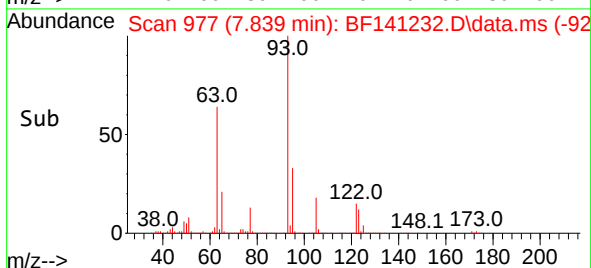
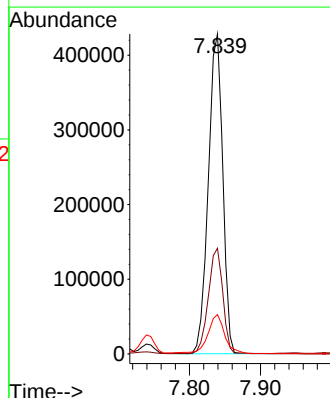
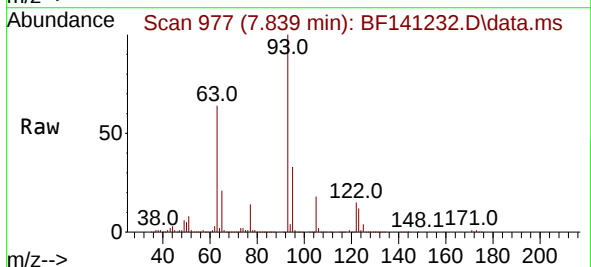
Tgt Ion: 93 Resp: 605460

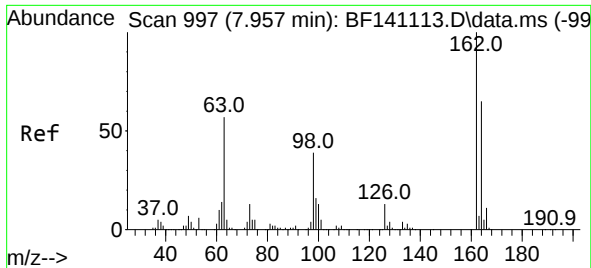
Ion Ratio Lower Upper

93 100

95 33.1 26.2 39.4

123 12.3 10.1 15.1





#29

2,4-Dichlorophenol

Concen: 50.155 ng

RT: 7.945 min Scan# 99

Delta R.T. -0.012 min

Lab File: BF141232.D

Acq: 21 Jan 2025 13:36

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025MS

Tgt Ion:162 Resp: 430280

Ion Ratio Lower Upper

162 100

164 63.7 44.5 84.5

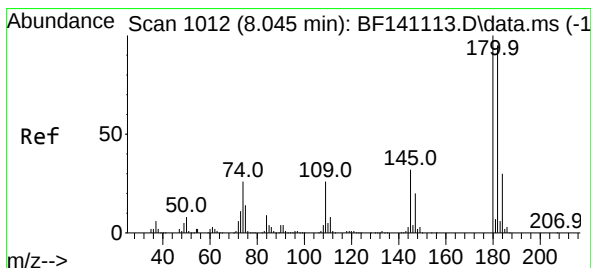
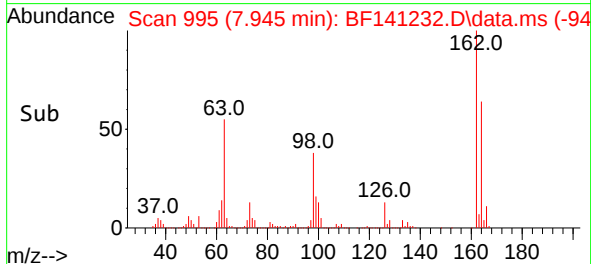
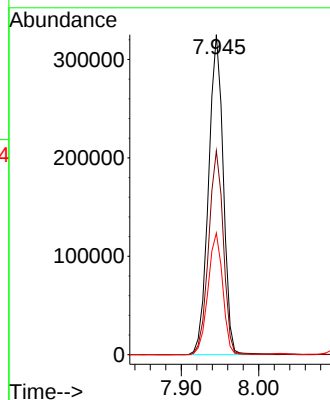
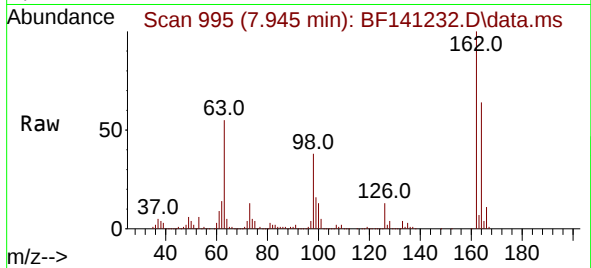
98 38.0 18.5 58.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/22/2025

Supervised By :mohammad ahmed 01/22/2025



#30

1,2,4-Trichlorobenzene

Concen: 46.894 ng

RT: 8.028 min Scan# 1009

Delta R.T. -0.018 min

Lab File: BF141232.D

Acq: 21 Jan 2025 13:36

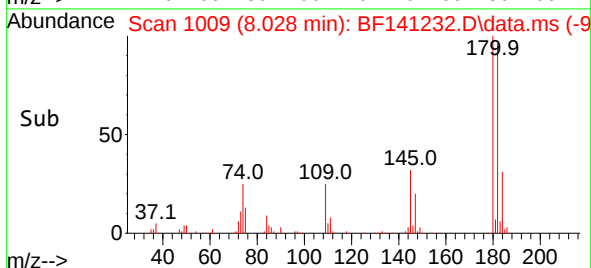
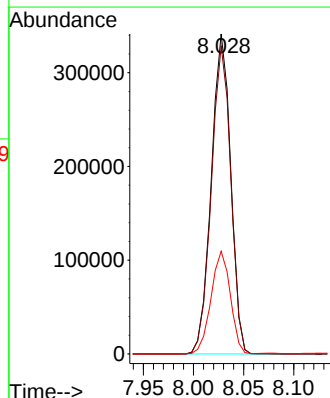
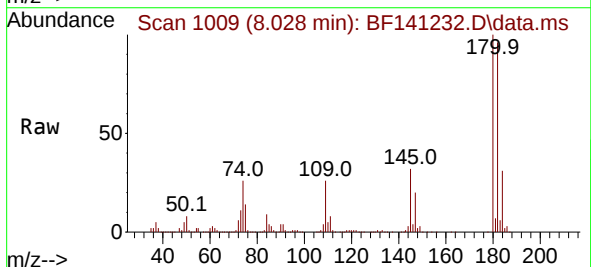
Tgt Ion:180 Resp: 459856

Ion Ratio Lower Upper

180 100

182 96.2 76.2 114.2

145 32.1 25.3 37.9





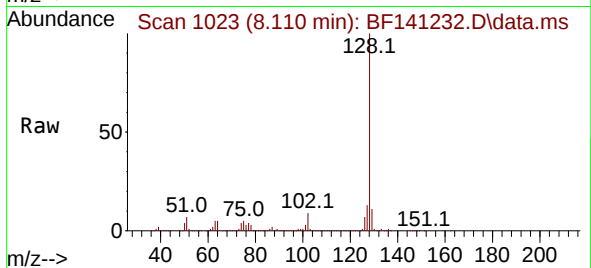
#31
Naphthalene
Concen: 49.392 ng
RT: 8.110 min Scan# 1026
Delta R.T. -0.018 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025MS



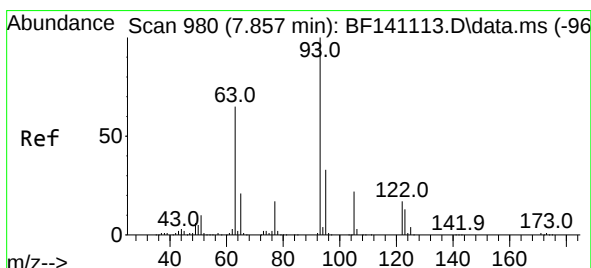
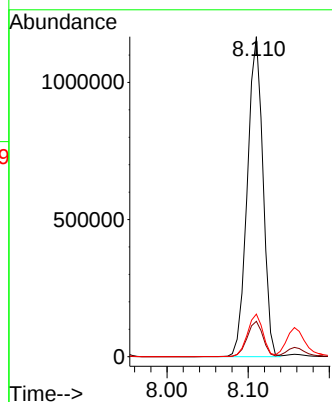
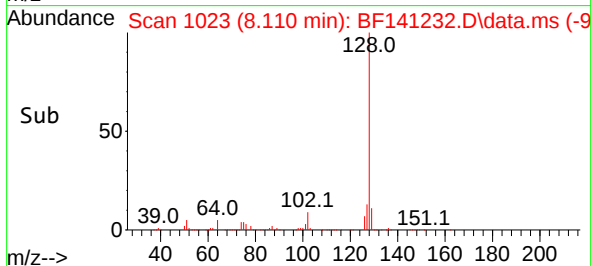
Tgt Ion:128 Resp: 155966
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.6
127 13.3 10.8 16.2

Manual Integrations

APPROVED

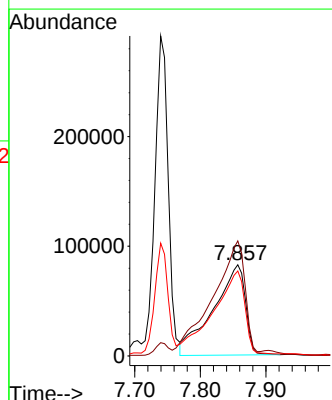
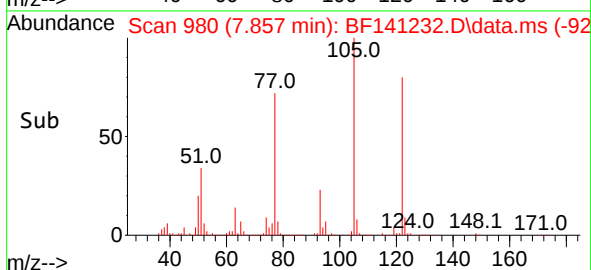
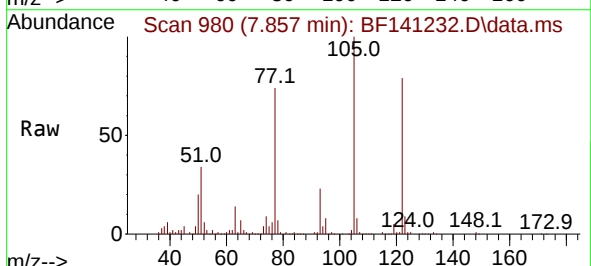
Reviewed By :Yogesh Patel 01/22/2025

Supervised By :mohammad ahmed 01/22/2025



#32
Benzoic acid
Concen: 40.471 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.000 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

Tgt Ion:122 Resp: 280435
Ion Ratio Lower Upper
122 100
105 126.1 105.5 145.5
77 93.2 75.1 115.1





#33

4-Chloroaniline

Concen: 15.760 ng

RT: 8.157 min Scan# 1031

Delta R.T. -0.018 min

Lab File: BF141232.D

Acq: 21 Jan 2025 13:36

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025MS

Tgt Ion:127 Resp: 17210

Ion Ratio Lower Upper

127 100

129 32.1 25.9 38.9

65 29.0 23.8 35.8

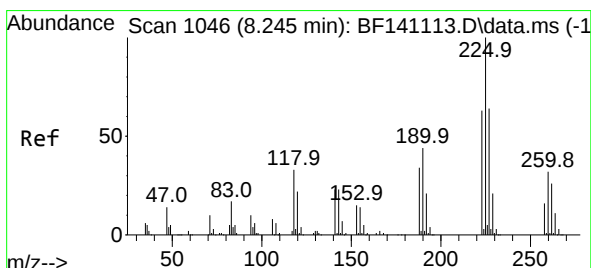
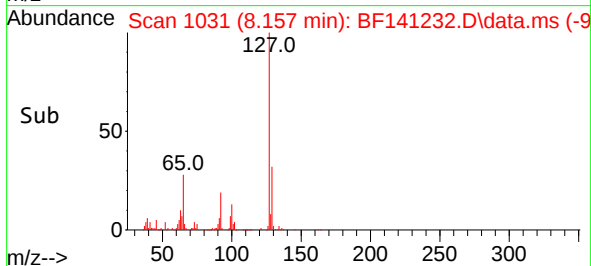
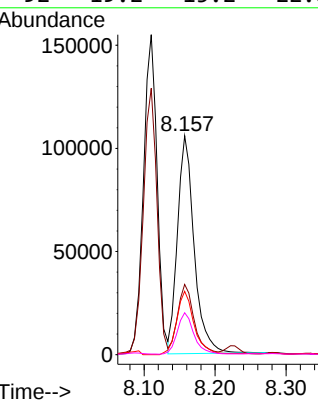
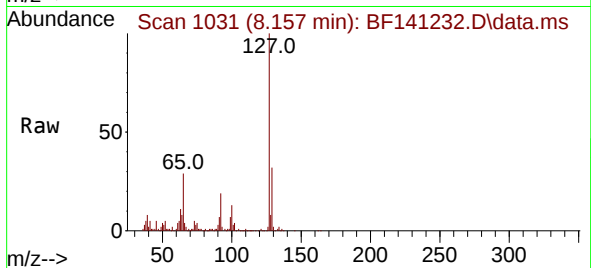
92 19.2 15.2 22.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/22/2025

Supervised By :mohammad ahmed 01/22/2025



#34

Hexachlorobutadiene

Concen: 49.166 ng

RT: 8.228 min Scan# 1043

Delta R.T. -0.018 min

Lab File: BF141232.D

Acq: 21 Jan 2025 13:36

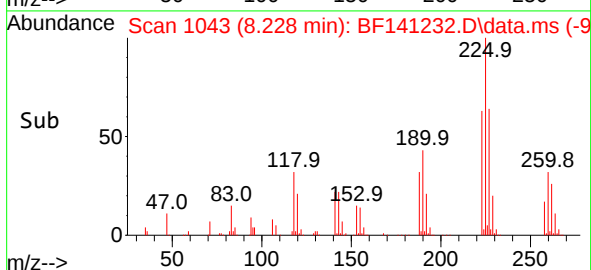
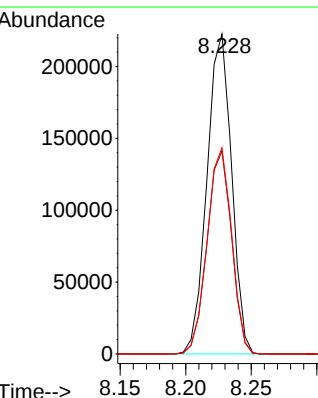
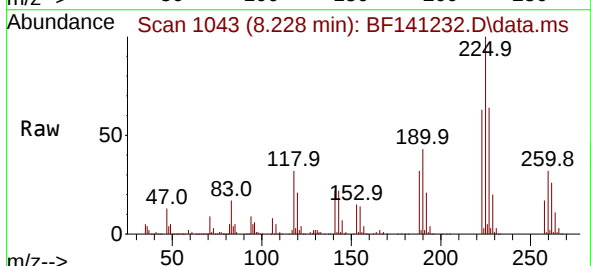
Tgt Ion:225 Resp: 290512

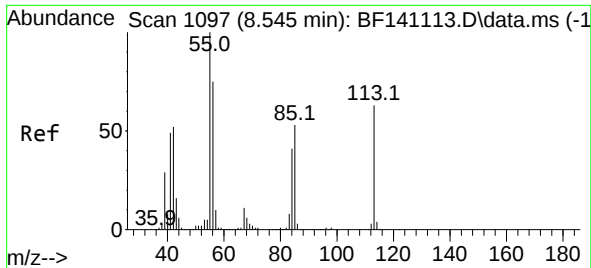
Ion Ratio Lower Upper

225 100

223 63.4 50.6 76.0

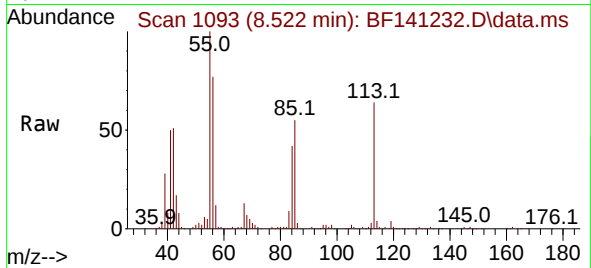
227 64.4 51.6 77.4





#35
Caprolactam
Concen: 45.540 ng m
RT: 8.522 min Scan# 1093
Delta R.T. -0.024 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

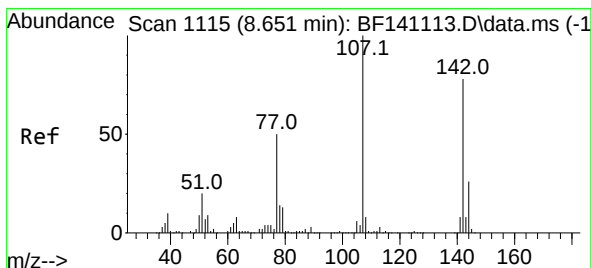
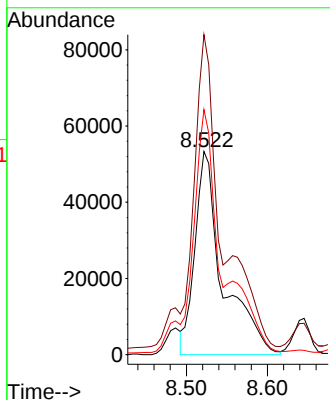
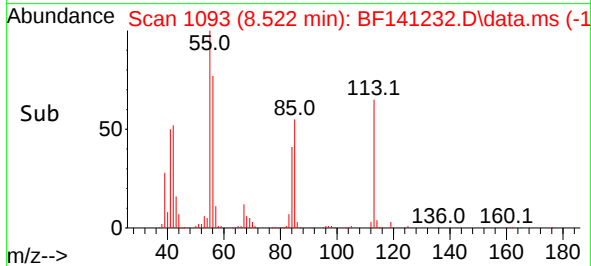
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MS



Tgt Ion:113 Resp: 127909
Ion Ratio Lower Upper
113 100
55 157.4 139.7 179.7
56 120.6 99.4 139.4

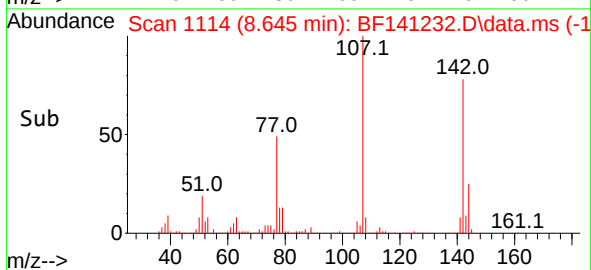
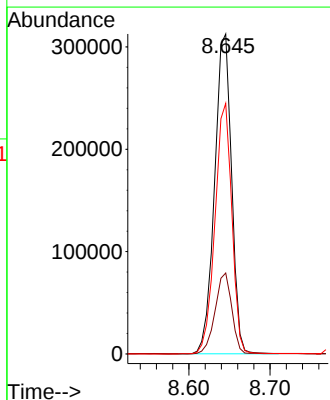
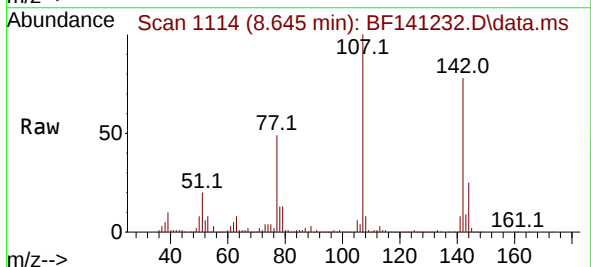
Manual Integrations
APPROVED

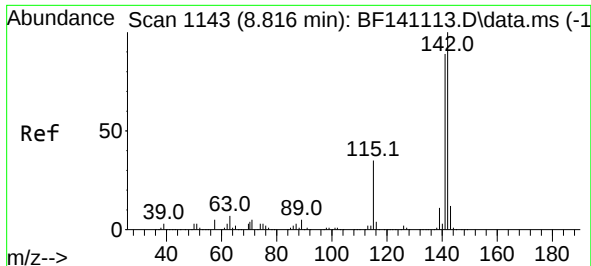
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#36
4-Chloro-3-methylphenol
Concen: 48.471 ng
RT: 8.645 min Scan# 1114
Delta R.T. -0.006 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

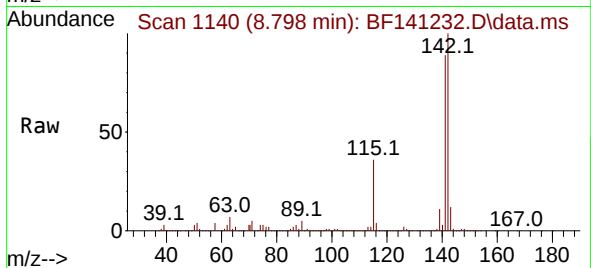
Tgt Ion:107 Resp: 454783
Ion Ratio Lower Upper
107 100
144 25.3 20.4 30.6
142 78.3 62.2 93.2





#37
2-Methylnaphthalene
Concen: 49.859 ng
RT: 8.798 min Scan# 1143
Delta R.T. -0.018 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

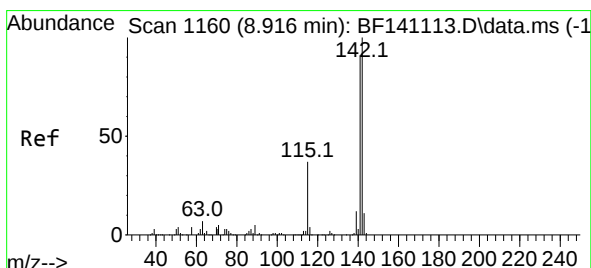
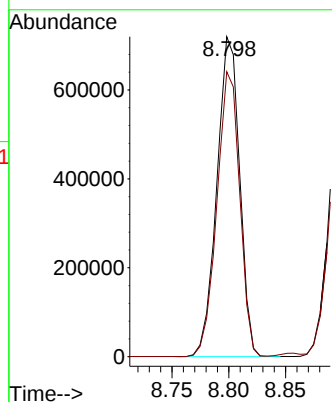
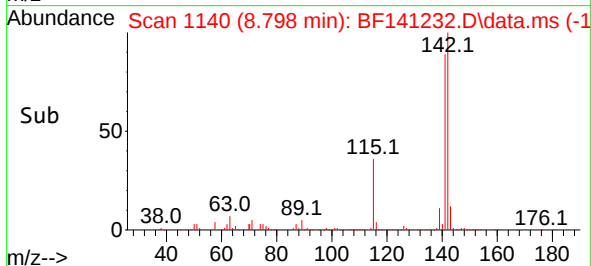
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MS



Tgt Ion:142 Resp: 1003270
Ion Ratio Lower Upper
142 100
141 89.0 71.3 106.9

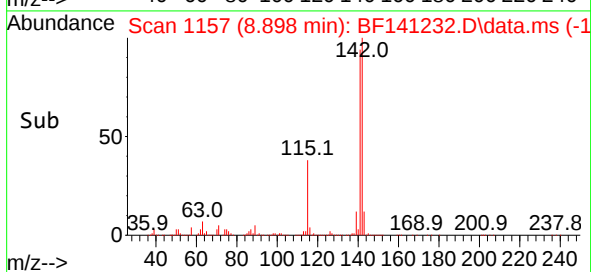
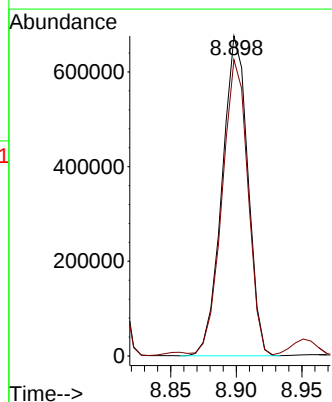
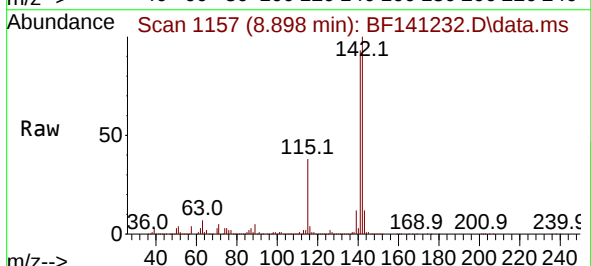
Manual Integrations
APPROVED

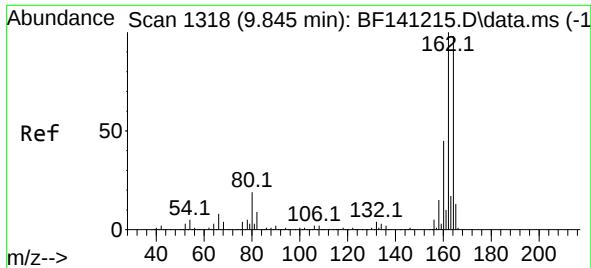
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#38
1-Methylnaphthalene
Concen: 46.633 ng
RT: 8.898 min Scan# 1157
Delta R.T. -0.018 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

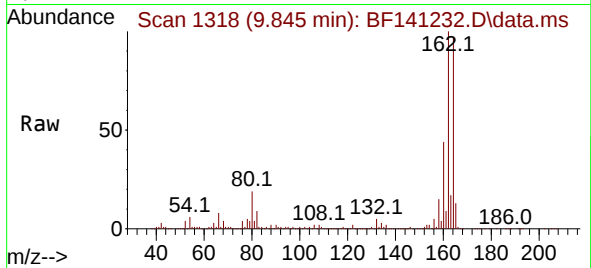
Tgt Ion:142 Resp: 924783
Ion Ratio Lower Upper
142 100
141 92.6 73.1 109.7





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.845 min Scan# 1169
Delta R.T. -0.018 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

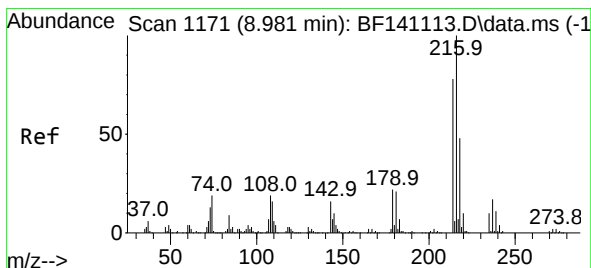
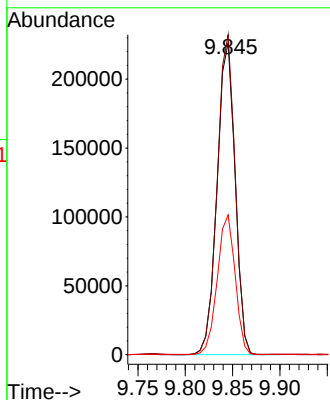
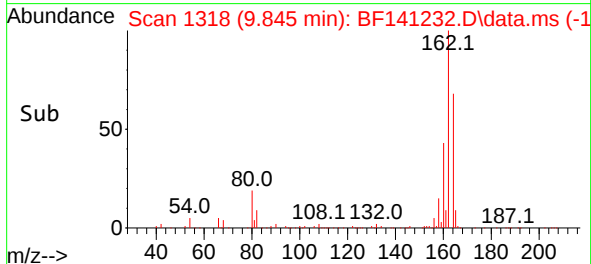
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MS



Tgt Ion:164 Resp: 300108
Ion Ratio Lower Upper
164 100
162 102.6 81.0 121.4
160 44.8 36.1 54.1

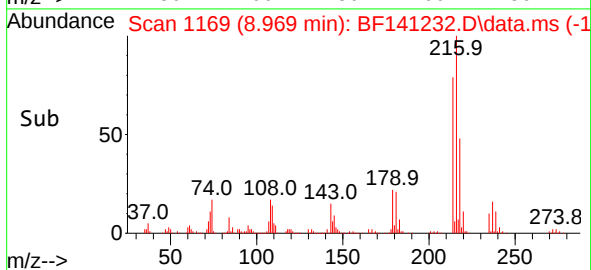
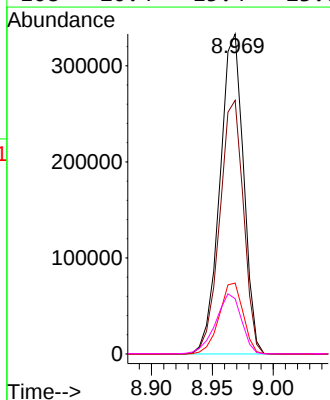
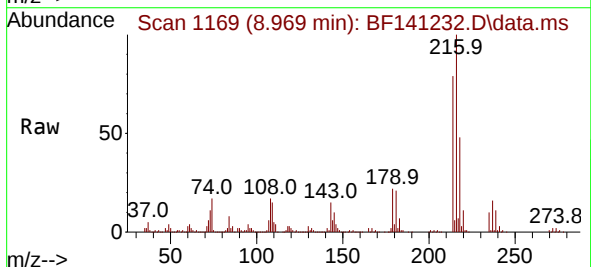
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 52.318 ng
RT: 8.969 min Scan# 1169
Delta R.T. -0.012 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

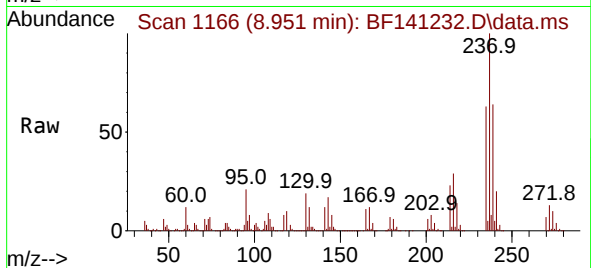
Tgt Ion:216 Resp: 450648
Ion Ratio Lower Upper
216 100
214 79.5 62.6 94.0
179 22.4 17.7 26.5
108 20.4 15.4 23.0





#41
Hexachlorocyclopentadiene
Concen: 145.359 ng
RT: 8.951 min Scan# 1166
Delta R.T. -0.018 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

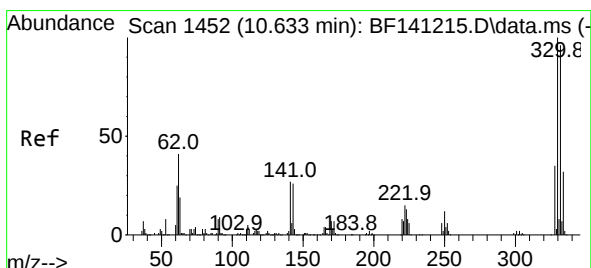
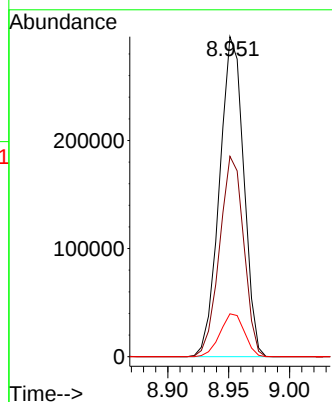
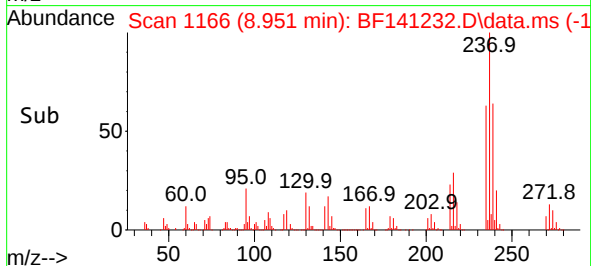
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MS



Tgt Ion:237 Resp: 409638
Ion Ratio Lower Upper
237 100
235 62.6 43.0 83.0
272 13.4 0.0 33.0

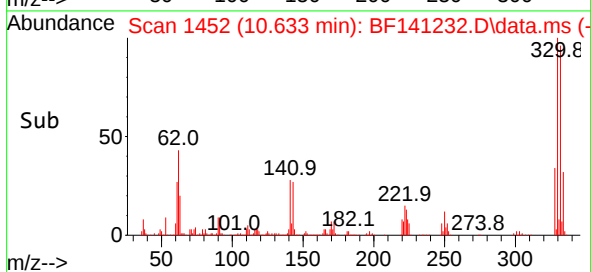
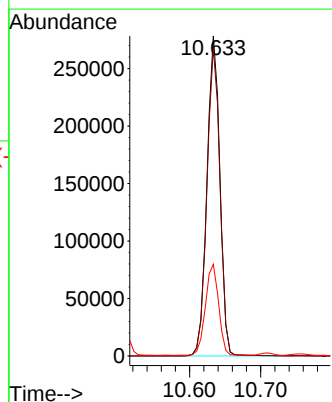
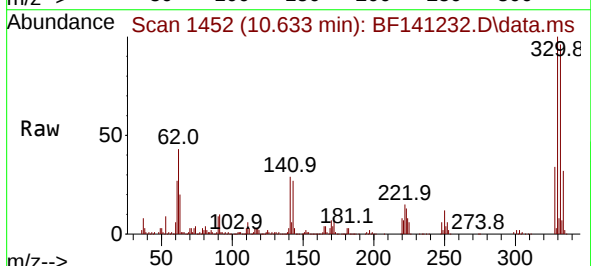
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#42
2,4,6-Tribromophenol
Concen: 103.712 ng
RT: 10.633 min Scan# 1452
Delta R.T. -0.018 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

Tgt Ion:330 Resp: 354647
Ion Ratio Lower Upper
330 100
332 96.5 76.9 115.3
141 28.8 25.2 37.8





#43

2,4,6-Trichlorophenol

Concen: 52.506 ng

RT: 9.080 min Scan# 1188

Delta R.T. -0.012 min

Lab File: BF141232.D

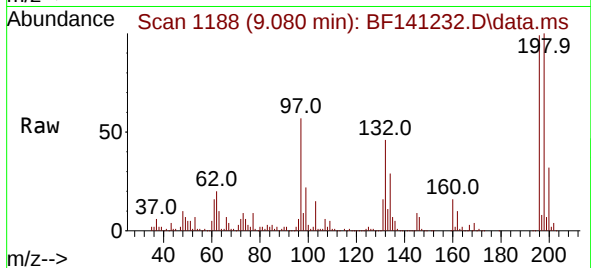
Acq: 21 Jan 2025 13:36

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025MS



Tgt Ion:196 Resp: 30503

Ion Ratio Lower Upper

196 100

198 101.3 80.8 121.2

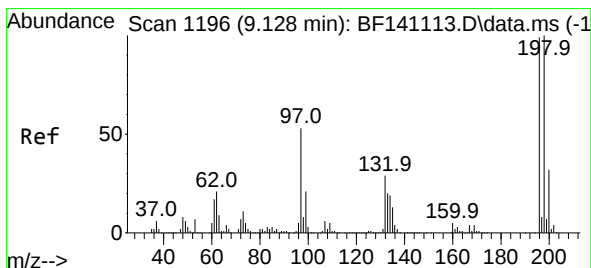
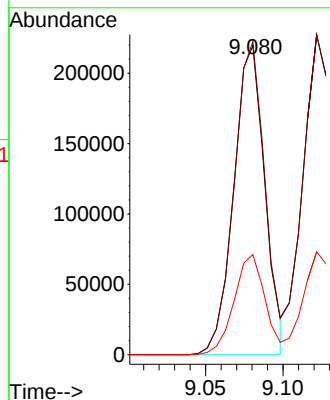
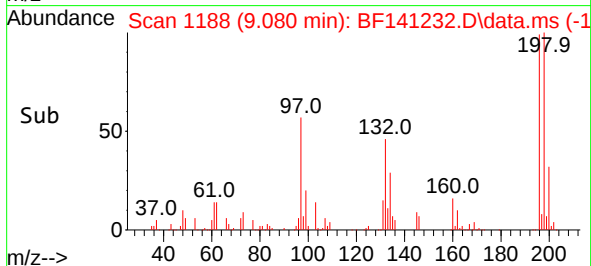
200 32.4 25.7 38.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/22/2025

Supervised By :mohammad ahmed 01/22/2025



#44

2,4,5-Trichlorophenol

Concen: 49.433 ng

RT: 9.122 min Scan# 1195

Delta R.T. -0.006 min

Lab File: BF141232.D

Acq: 21 Jan 2025 13:36

Tgt Ion:196 Resp: 303295

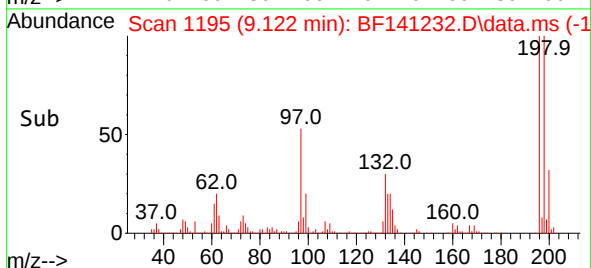
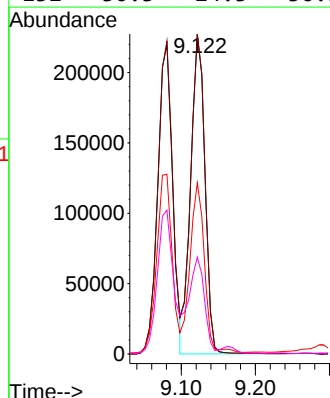
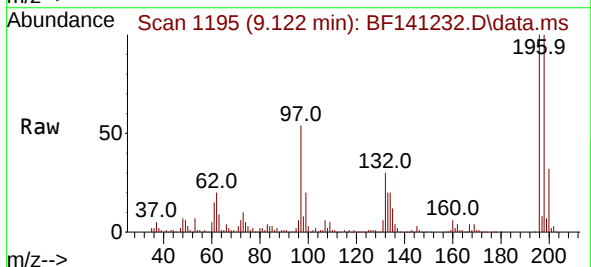
Ion Ratio Lower Upper

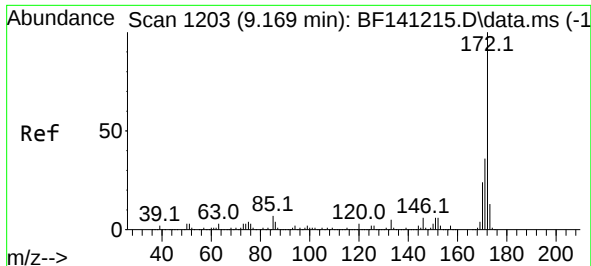
196 100

198 100.1 80.6 120.8

97 53.5 43.1 64.7

132 30.3 24.3 36.5





#45

2-Fluorobiphenyl

Concen: 74.285 ng

RT: 9.163 min Scan# 1203

Delta R.T. -0.018 min

Lab File: BF141232.D

Acq: 21 Jan 2025 13:36

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025MS

Tgt Ion:172 Resp: 145991

Ion Ratio Lower Upper

172 100

171 35.8 28.7 43.1

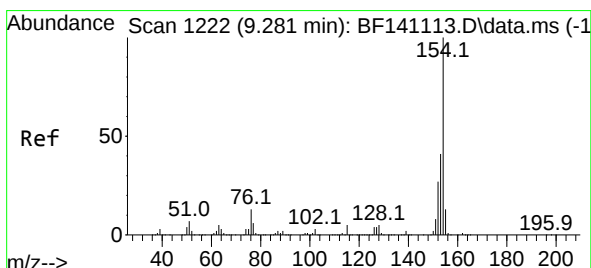
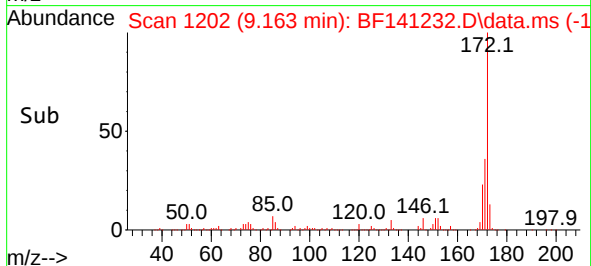
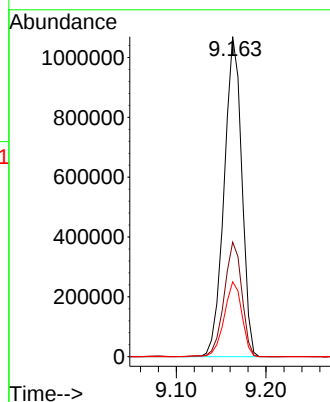
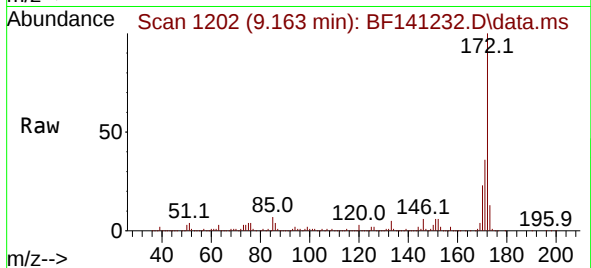
170 23.4 19.0 28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/22/2025

Supervised By :mohammad ahmed 01/22/2025



#46

1,1'-Biphenyl

Concen: 52.227 ng

RT: 9.263 min Scan# 1219

Delta R.T. -0.018 min

Lab File: BF141232.D

Acq: 21 Jan 2025 13:36

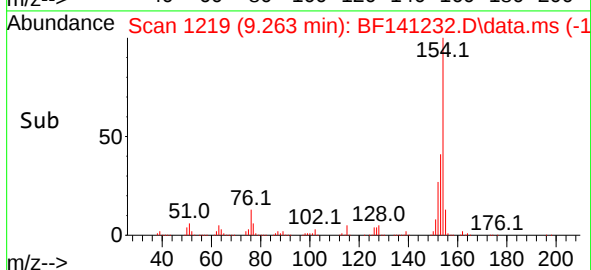
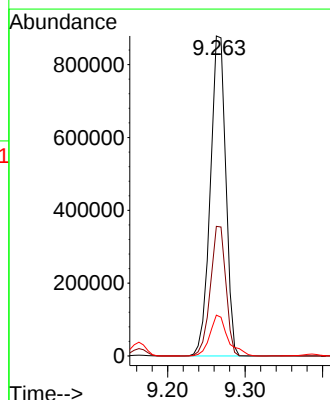
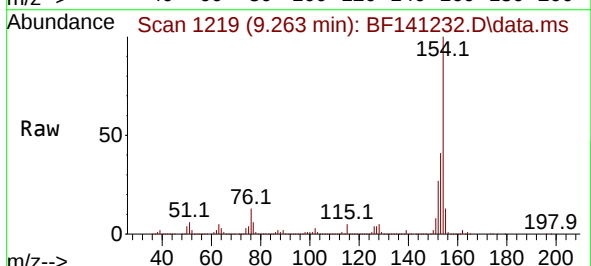
Tgt Ion:154 Resp: 1217226

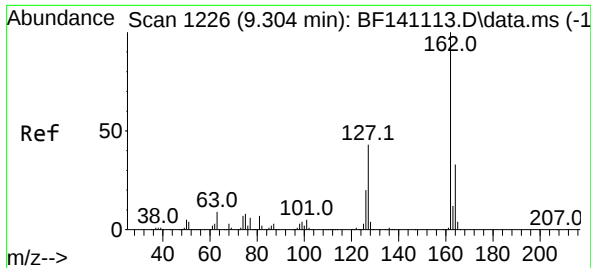
Ion Ratio Lower Upper

154 100

153 40.5 20.7 60.7

76 12.7 0.0 33.1





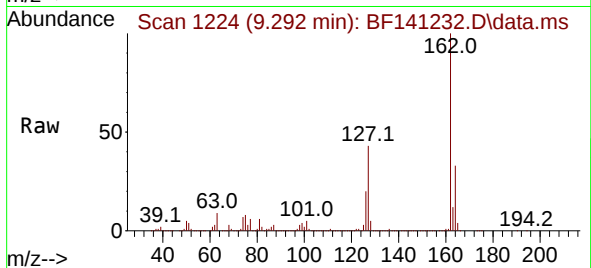
#47
2-Chloronaphthalene
Concen: 48.882 ng
RT: 9.292 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

Instrument :

BNA_F

ClientSampleId :

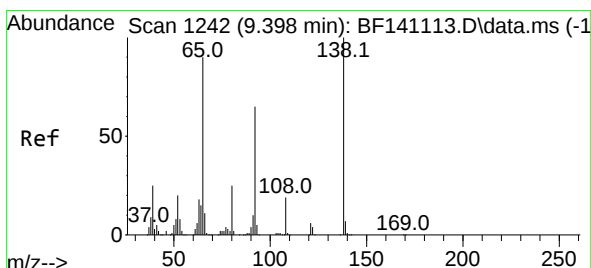
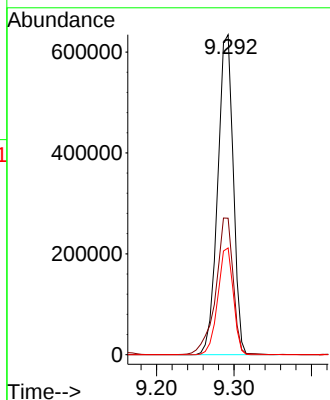
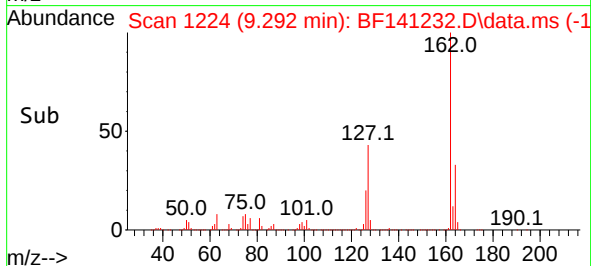
BU-03-1172025MS



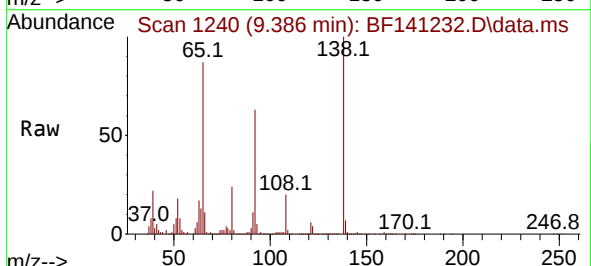
Tgt Ion:162 Resp: 887340
Ion Ratio Lower Upper
162 100
127 42.7 34.6 51.8
164 33.3 26.5 39.7

Manual Integrations
APPROVED

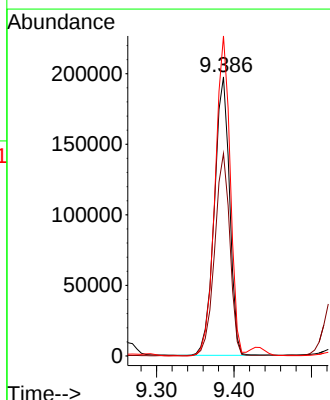
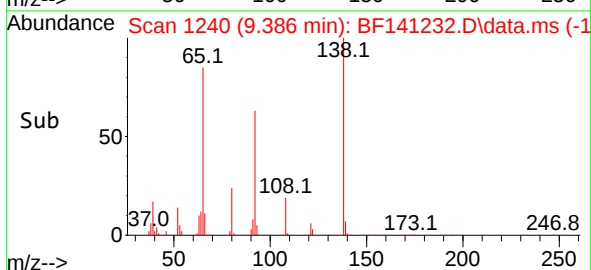
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025

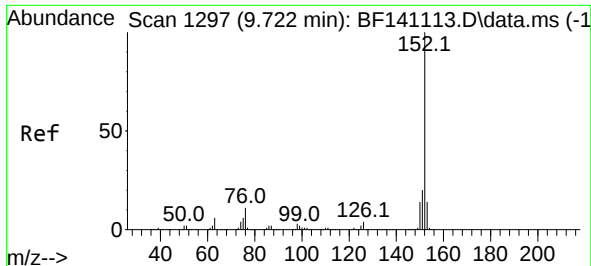


#48
2-Nitroaniline
Concen: 50.194 ng
RT: 9.386 min Scan# 1240
Delta R.T. -0.012 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36



Tgt Ion: 65 Resp: 270096
Ion Ratio Lower Upper
65 100
92 72.5 58.3 87.5
138 114.7 89.1 133.7





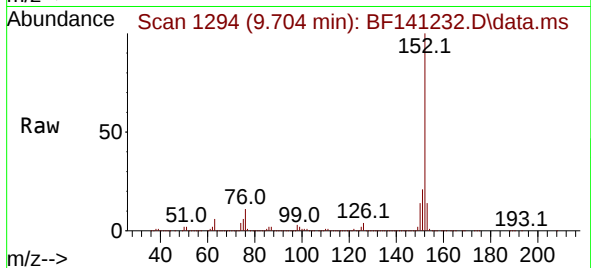
#49
Acenaphthylene
Concen: 52.762 ng
RT: 9.704 min Scan# 1294
Delta R.T. -0.018 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025MS

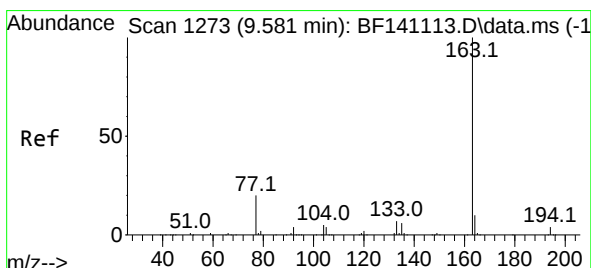
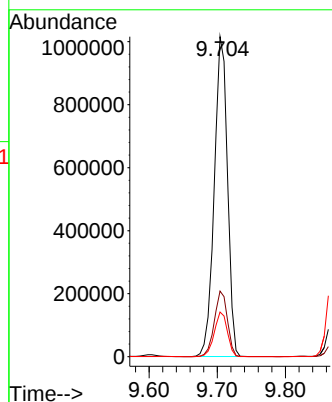
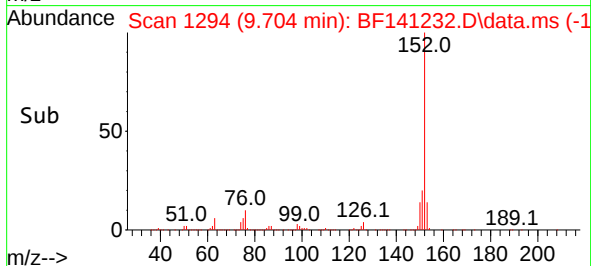


Tgt Ion:152 Resp: 1368375
Ion Ratio Lower Upper
152 100
151 20.5 16.1 24.1
153 14.0 11.1 16.7

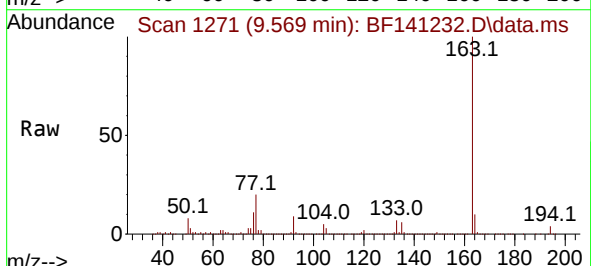
Manual Integrations

APPROVED

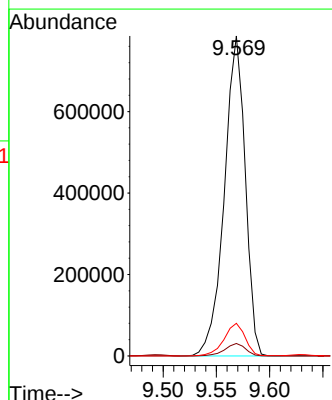
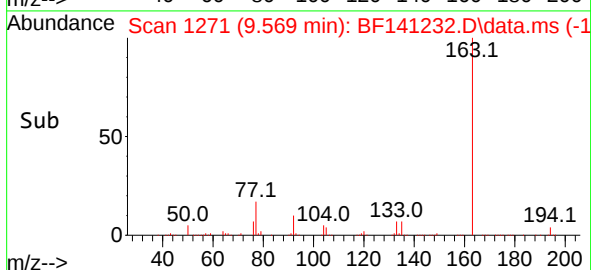
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025

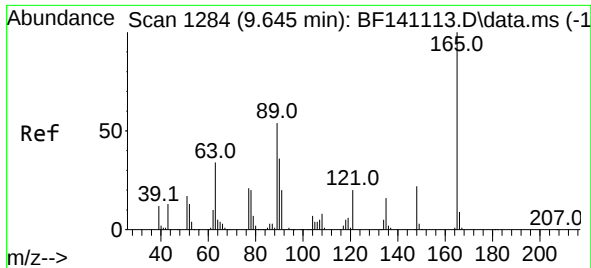


#50
Dimethylphthalate
Concen: 53.093 ng
RT: 9.569 min Scan# 1271
Delta R.T. -0.012 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36



Tgt Ion:163 Resp: 1069685
Ion Ratio Lower Upper
163 100
194 3.9 3.0 4.6
164 10.2 8.2 12.4





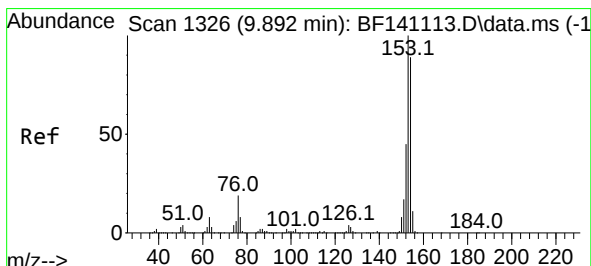
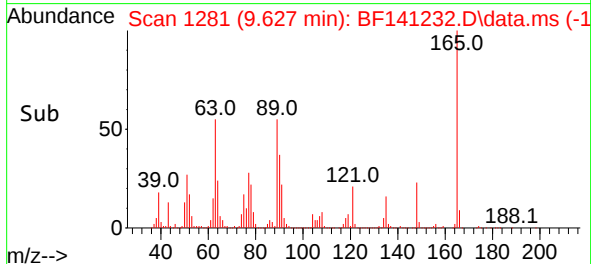
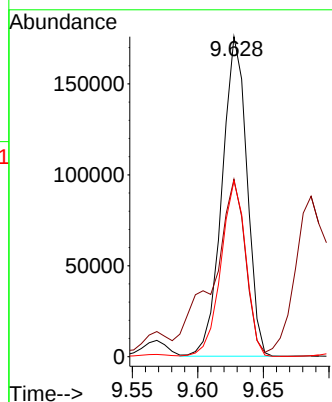
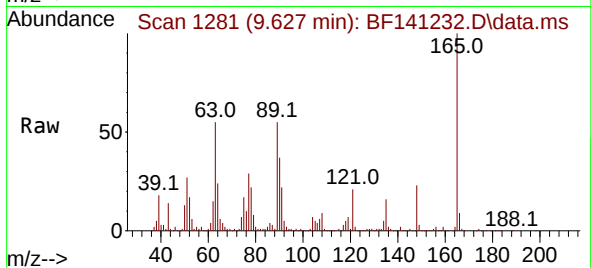
#51
2,6-Dinitrotoluene
Concen: 49.477 ng
RT: 9.627 min Scan# 1284
Delta R.T. -0.018 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MS

Tgt Ion:165 Resp: 231810
Ion Ratio Lower Upper
165 100
63 55.4 42.3 63.5
89 54.9 43.1 64.7

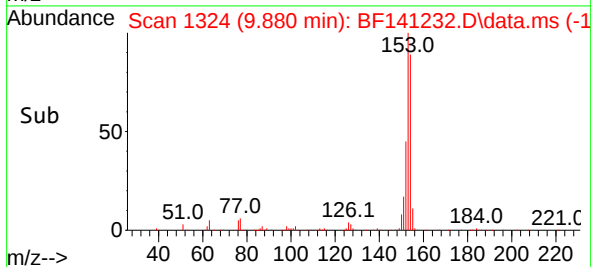
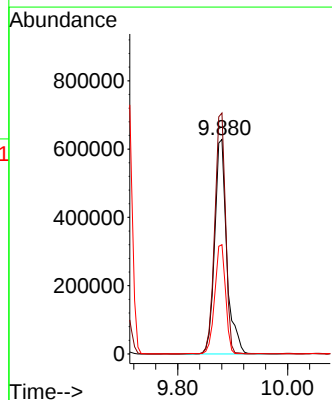
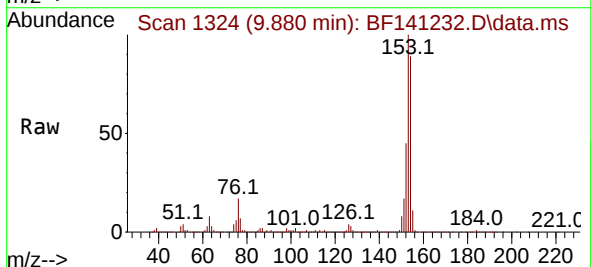
Manual Integrations
APPROVED

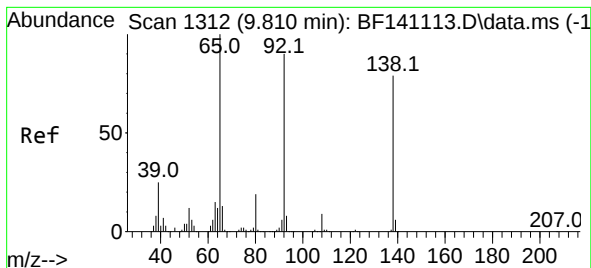
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#52
Acenaphthene
Concen: 53.366 ng
RT: 9.880 min Scan# 1324
Delta R.T. -0.012 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

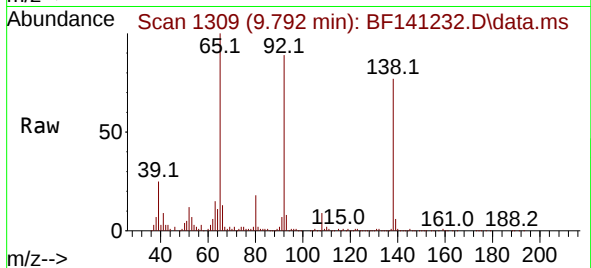
Tgt Ion:154 Resp: 966969
Ion Ratio Lower Upper
154 100
153 112.3 89.8 134.6
152 50.9 40.8 61.2





#53
3-Nitroaniline
Concen: 29.826 ng
RT: 9.792 min Scan# 11
Delta R.T. -0.018 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

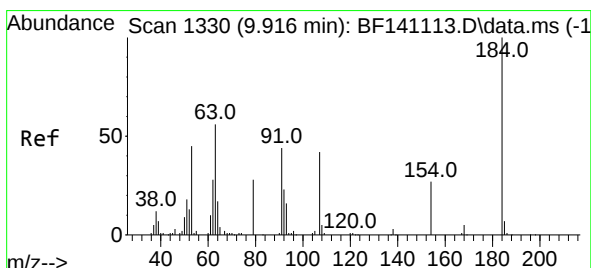
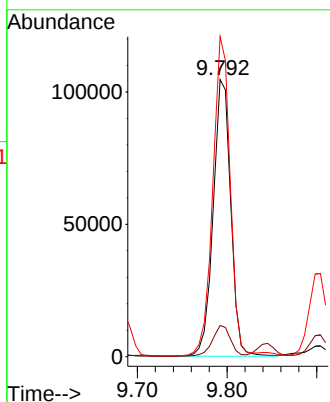
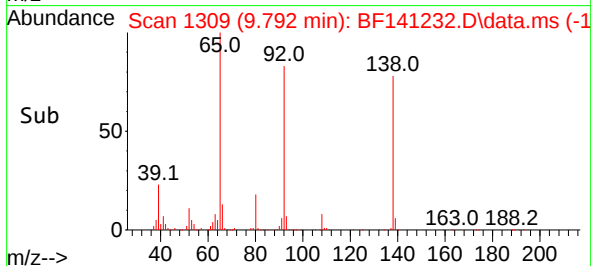
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MS



Tgt Ion:138 Resp: 142004
Ion Ratio Lower Upper
138 100
108 11.3 8.8 13.2
92 115.4 91.3 136.9

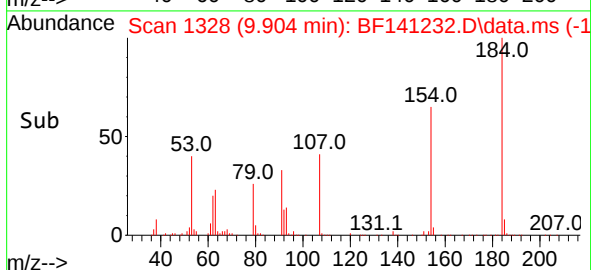
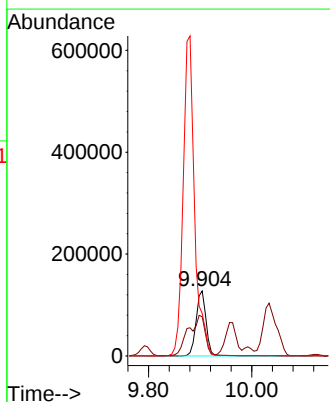
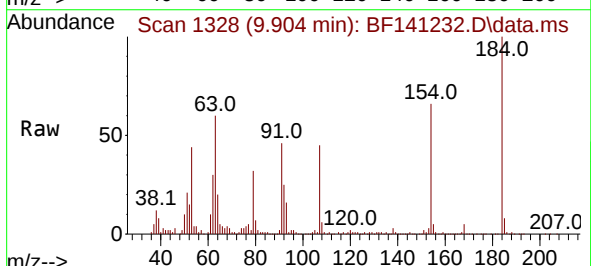
Manual Integrations
APPROVED

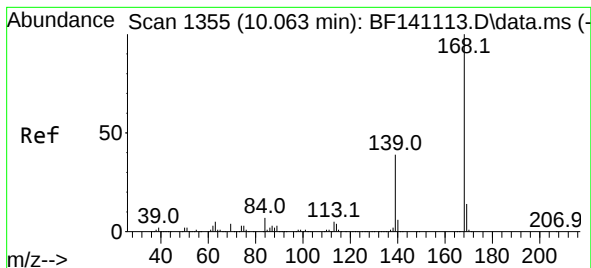
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#54
2,4-Dinitrophenol
Concen: 77.131 ng
RT: 9.904 min Scan# 1328
Delta R.T. -0.012 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

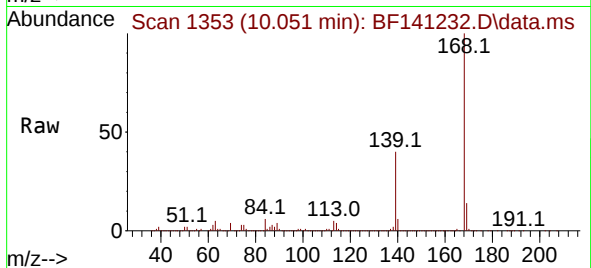
Tgt Ion:184 Resp: 171768
Ion Ratio Lower Upper
184 100
63 60.3 48.7 73.1
154 65.5 57.1 85.7





#55
Dibenzenofuran
Concen: 50.359 ng
RT: 10.051 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

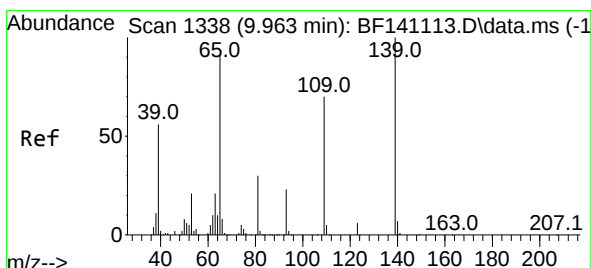
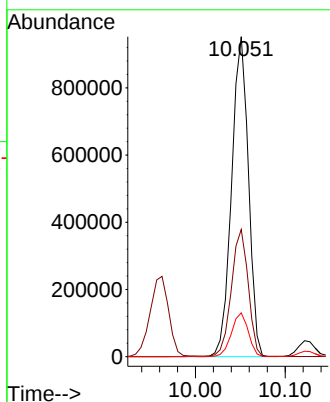
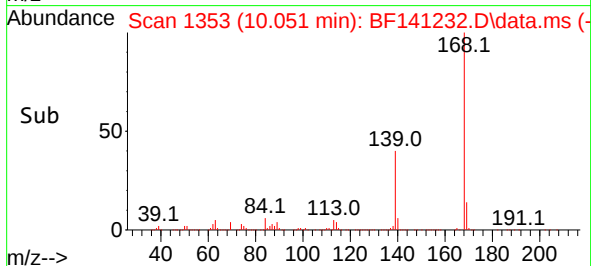
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MS



Tgt Ion:168 Resp: 124115
Ion Ratio Lower Upper
168 100
139 39.7 31.4 47.0
169 13.7 10.9 16.3

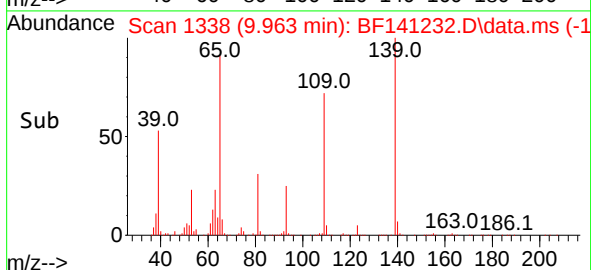
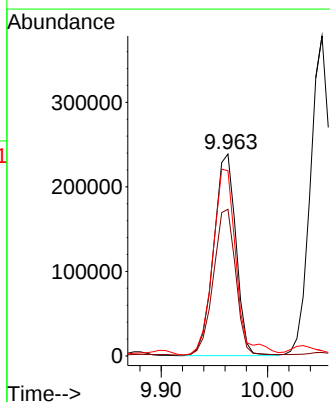
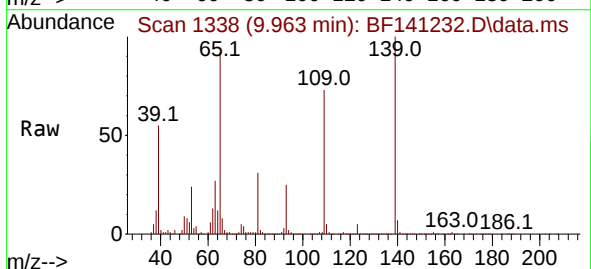
Manual Integrations
APPROVED

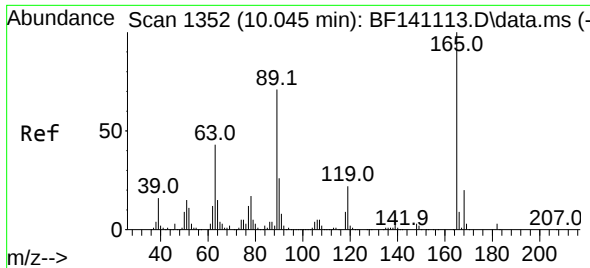
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#56
4-Nitrophenol
Concen: 92.612 ng
RT: 9.963 min Scan# 1338
Delta R.T. -0.000 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

Tgt Ion:139 Resp: 345331
Ion Ratio Lower Upper
139 100
109 72.7 50.2 90.2
65 91.8 72.1 112.1





#57
2,4-Dinitrotoluene
Concen: 49.549 ng
RT: 10.033 min Scan# 1410
Delta R.T. -0.012 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

Instrument :

BNA_F

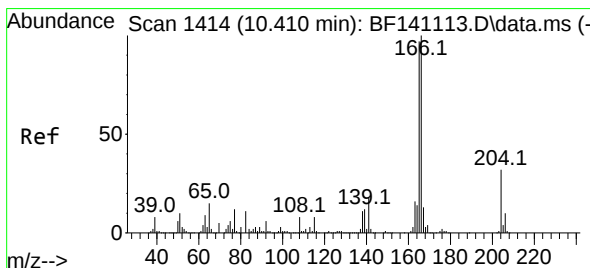
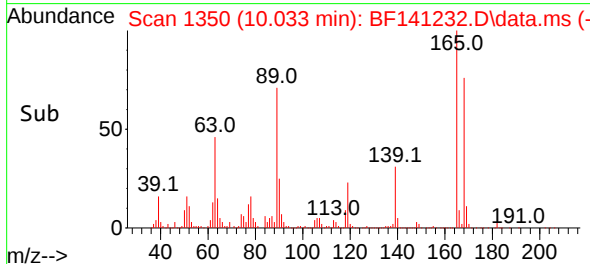
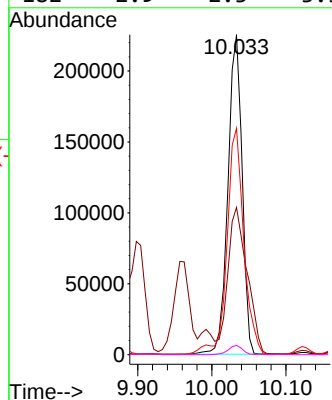
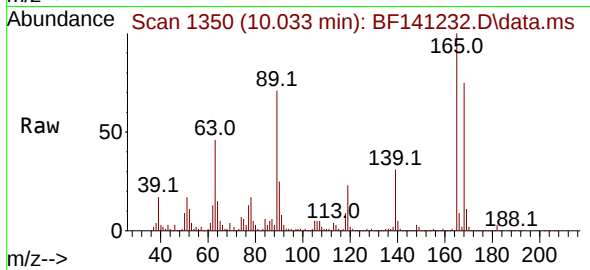
ClientSampleId :

BU-03-1172025MS

Tgt Ion:165 Resp: 29917
Ion Ratio Lower Upper
165 100
63 46.0 35.0 52.4
89 70.8 56.7 85.1
182 2.9 2.3 3.5

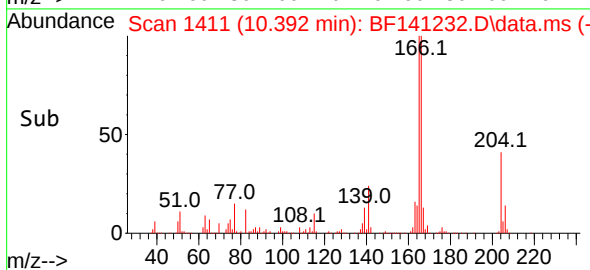
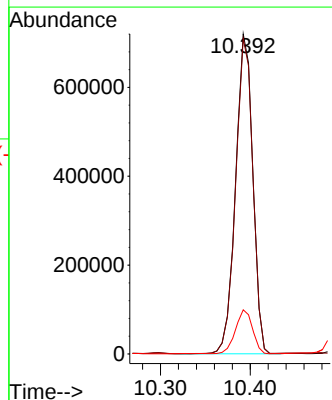
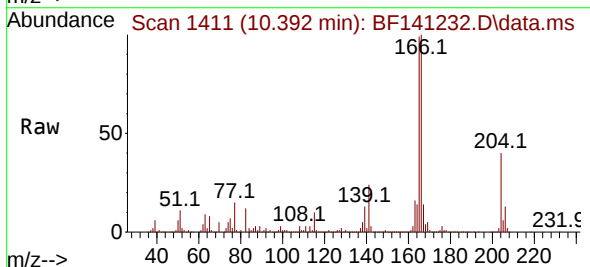
Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#58
Fluorene
Concen: 49.982 ng
RT: 10.392 min Scan# 1411
Delta R.T. -0.018 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

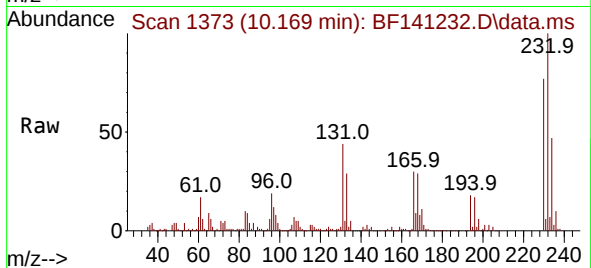
Tgt Ion:166 Resp: 957019
Ion Ratio Lower Upper
166 100
165 98.5 77.8 116.8
167 13.8 10.8 16.2





#59
2,3,4,6-Tetrachlorophenol
Concen: 48.908 ng
RT: 10.169 min Scan# 1373
Delta R.T. -0.012 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

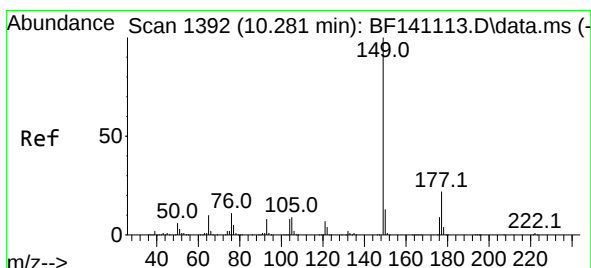
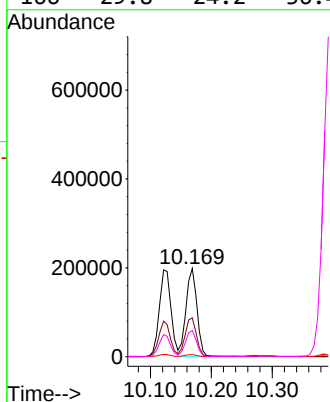
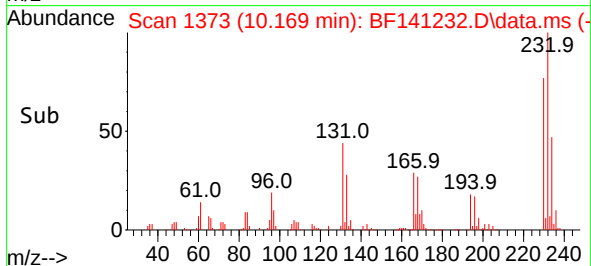
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MS



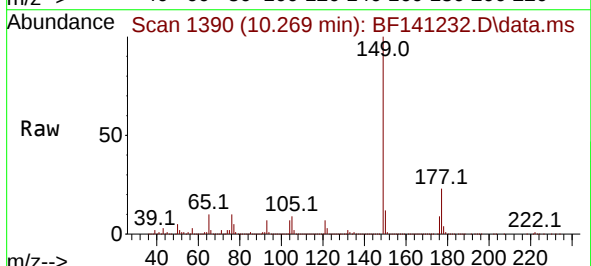
Tgt Ion:232 Resp: 249420
Ion Ratio Lower Upper
232 100
131 45.0 36.2 54.4
130 2.3 2.0 3.0
166 29.8 24.2 36.4

Manual Integrations
APPROVED

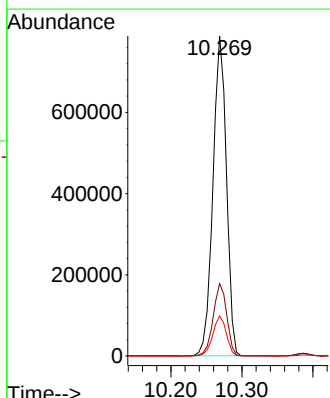
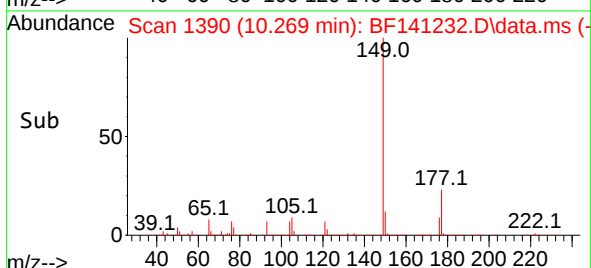
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025

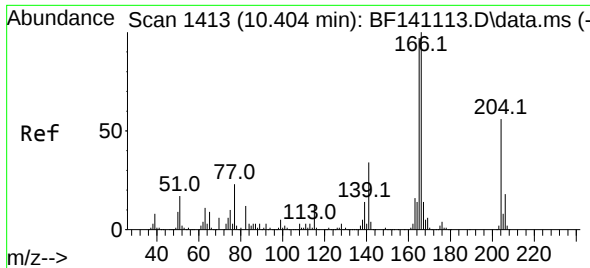


#60
Diethylphthalate
Concen: 52.672 ng
RT: 10.269 min Scan# 1390
Delta R.T. -0.012 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36



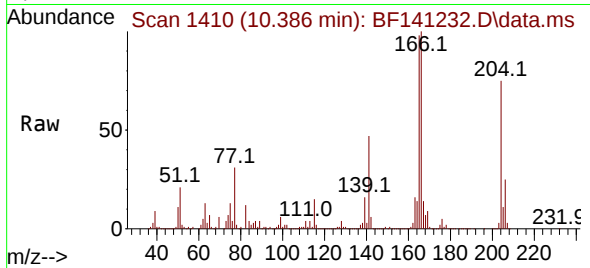
Tgt Ion:149 Resp: 1036001
Ion Ratio Lower Upper
149 100
177 22.6 17.9 26.9
150 12.5 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 49.796 ng
RT: 10.386 min Scan# 1413
Delta R.T. -0.018 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

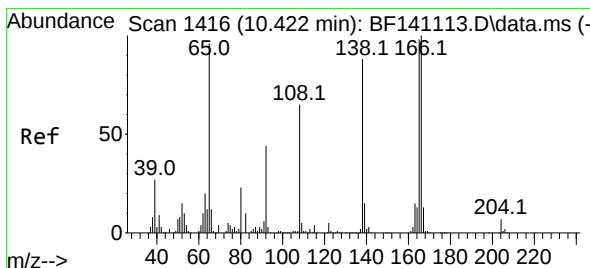
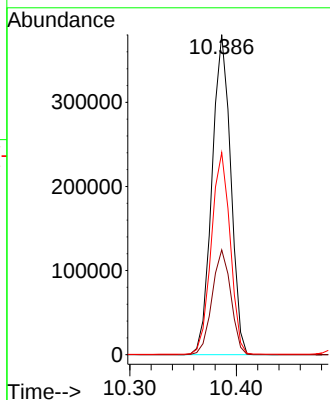
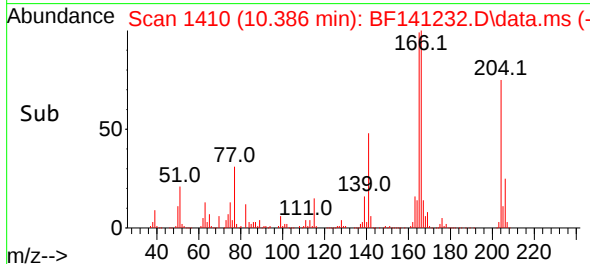
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MS



Tgt Ion:204 Resp: 46471
Ion Ratio Lower Upper
204 100
206 32.8 25.9 38.9
141 63.2 49.1 73.7

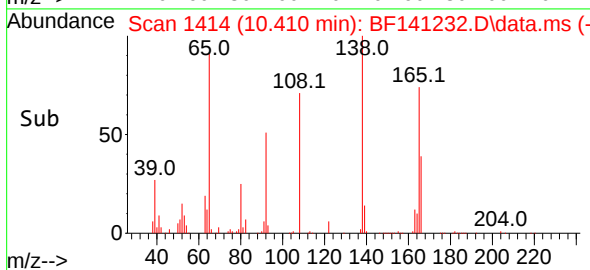
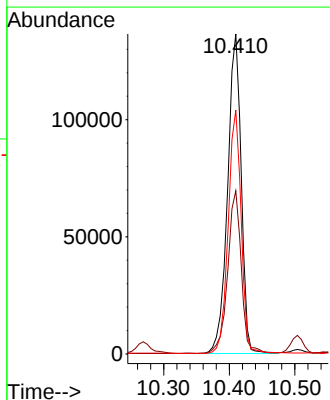
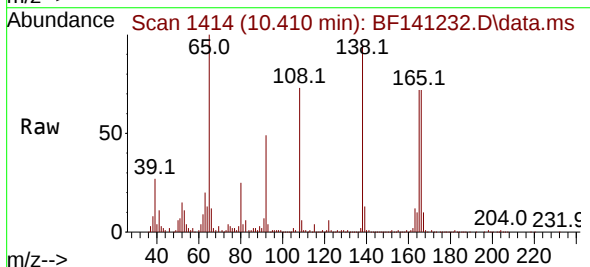
Manual Integrations
APPROVED

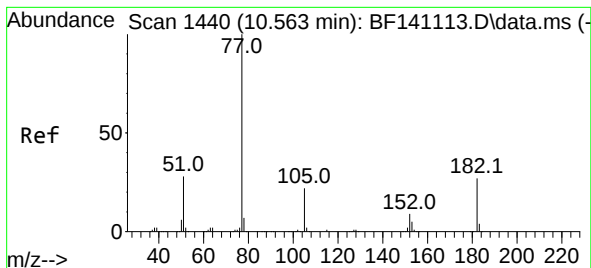
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#62
4-Nitroaniline
Concen: 42.224 ng
RT: 10.410 min Scan# 1414
Delta R.T. -0.012 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

Tgt Ion:138 Resp: 196763
Ion Ratio Lower Upper
138 100
92 51.0 29.4 69.4
108 76.2 53.7 93.7





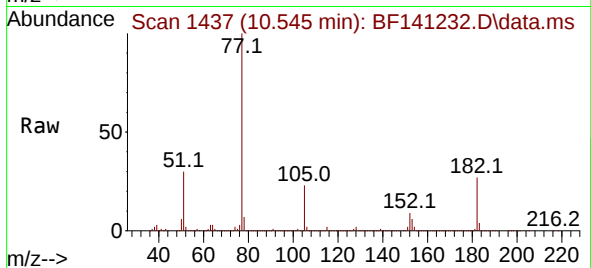
#63
Azobenzene
Concen: 50.887 ng
RT: 10.545 min Scan# 1440
Delta R.T. -0.018 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025MS



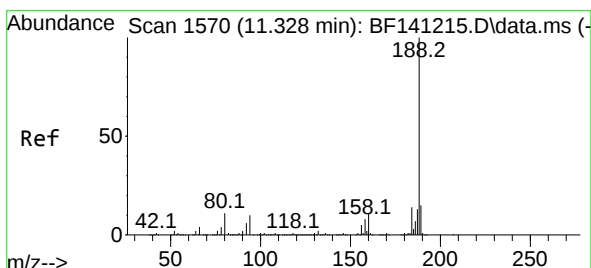
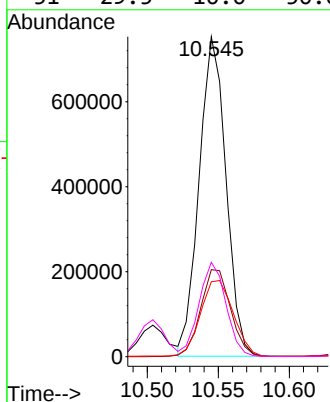
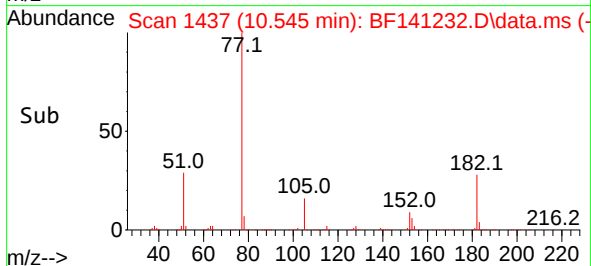
Tgt Ion: 77 Resp: 987610
Ion Ratio Lower Upper
77 100
182 27.2 6.1 46.1
105 23.4 2.1 42.1
51 29.5 10.0 50.0

Manual Integrations

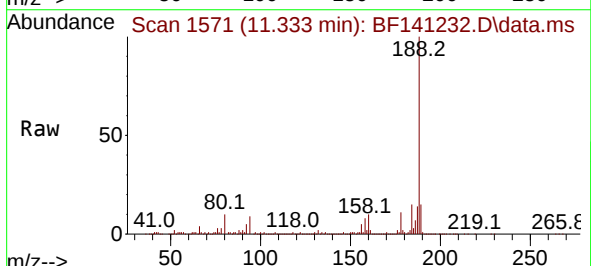
APPROVED

Reviewed By :Yogesh Patel 01/22/2025

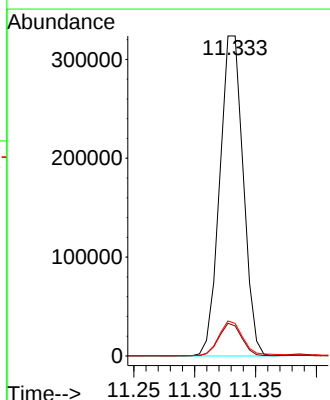
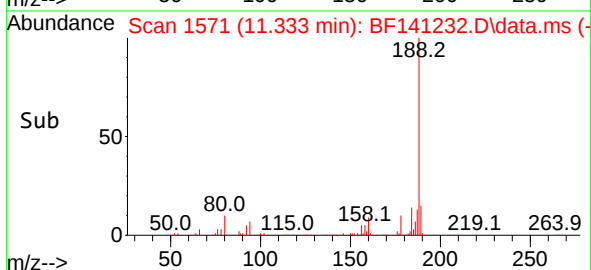
Supervised By :mohammad ahmed 01/22/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.333 min Scan# 1571
Delta R.T. -0.012 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36



Tgt Ion:188 Resp: 434901
Ion Ratio Lower Upper
188 100
94 9.4 8.3 12.5
80 10.2 9.0 13.4





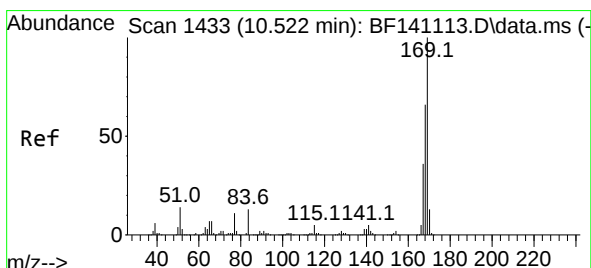
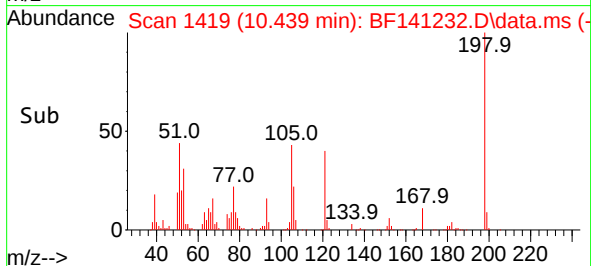
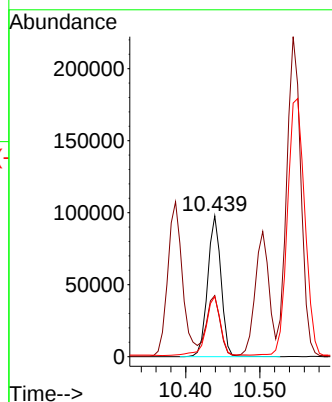
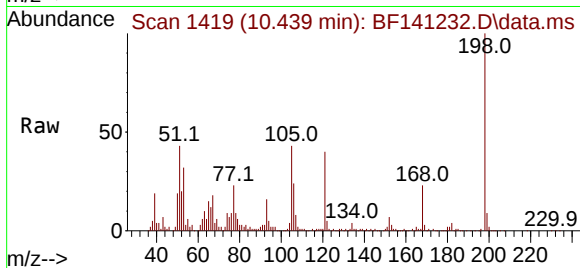
#65
4,6-Dinitro-2-methylphenol
Concen: 48.619 ng
RT: 10.439 min Scan# 1419
Delta R.T. -0.012 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MS

Tgt Ion:198 Resp: 122529
Ion Ratio Lower Upper
198 100
51 43.4 27.1 67.1
105 42.7 24.2 64.2

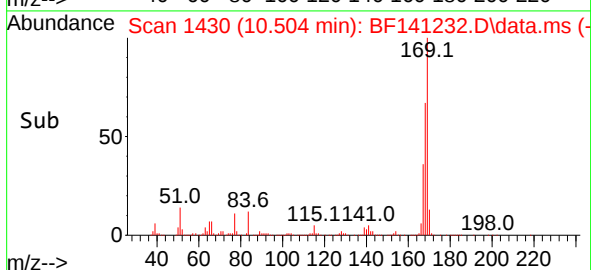
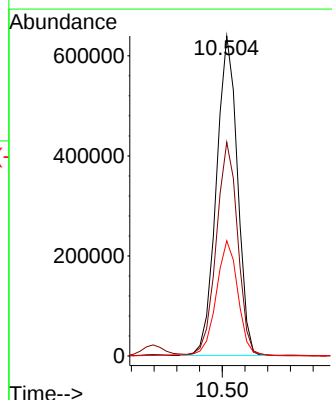
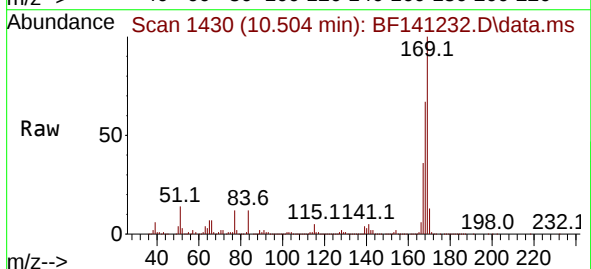
Manual Integrations
APPROVED

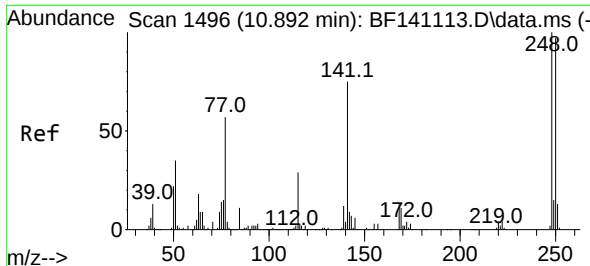
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#66
n-Nitrosodiphenylamine
Concen: 58.753 ng
RT: 10.504 min Scan# 1430
Delta R.T. -0.018 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

Tgt Ion:169 Resp: 824154
Ion Ratio Lower Upper
169 100
168 66.8 52.5 78.7
167 36.0 28.9 43.3





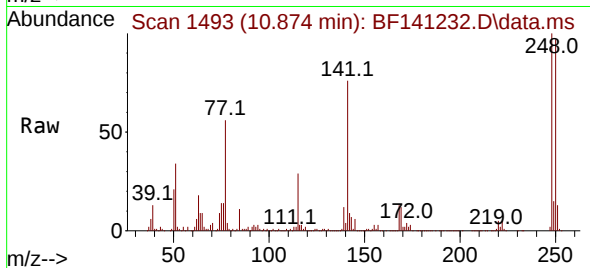
#67
4-Bromophenyl-phenylether
Concen: 57.960 ng
RT: 10.874 min Scan# 1496
Delta R.T. -0.018 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025MS

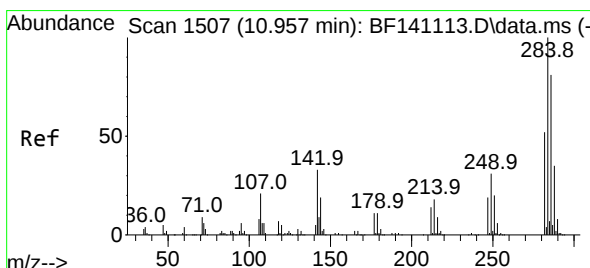
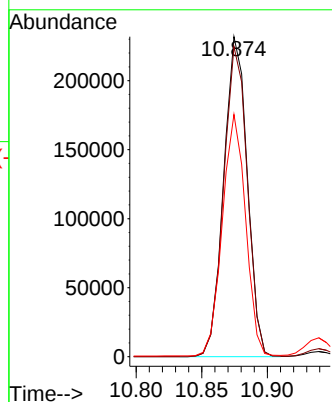
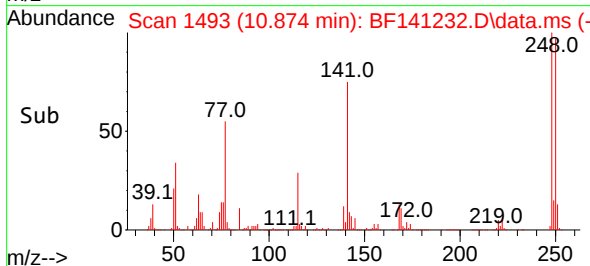


Tgt Ion:248 Resp: 290208
Ion Ratio Lower Upper
248 100
250 96.9 77.9 116.9
141 75.7 59.9 89.9

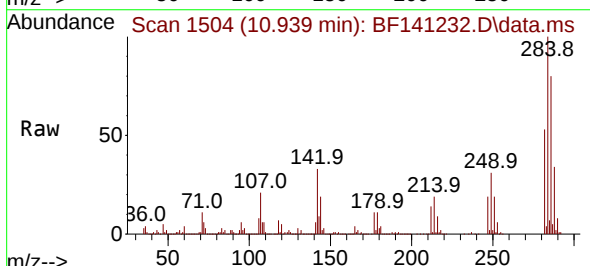
Manual Integrations

APPROVED

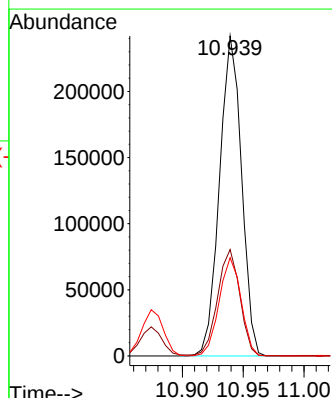
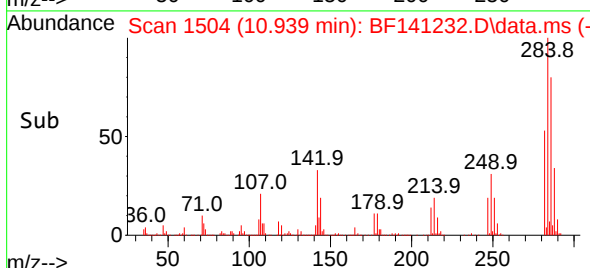
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025

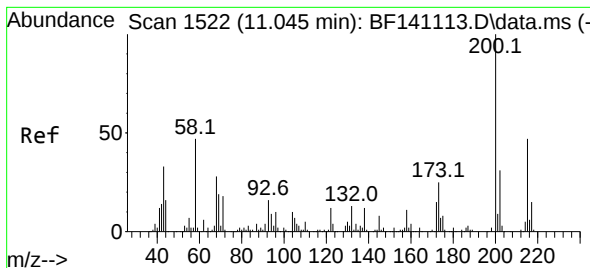


#68
Hexachlorobenzene
Concen: 54.638 ng
RT: 10.939 min Scan# 1504
Delta R.T. -0.018 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36



Tgt Ion:284 Resp: 304539
Ion Ratio Lower Upper
284 100
142 33.3 26.3 39.5
249 30.7 24.9 37.3





#69

Atrazine

Concen: 71.361 ng

RT: 11.033 min Scan# 1520

Delta R.T. -0.012 min

Lab File: BF141232.D

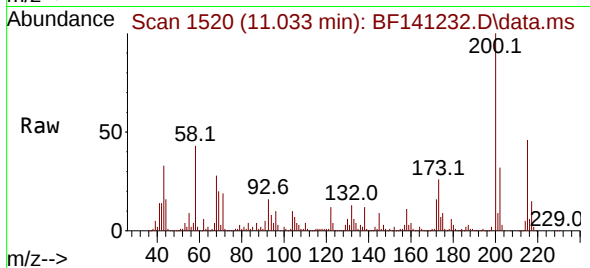
Acq: 21 Jan 2025 13:36

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025MS



Tgt Ion:200 Resp: 269530

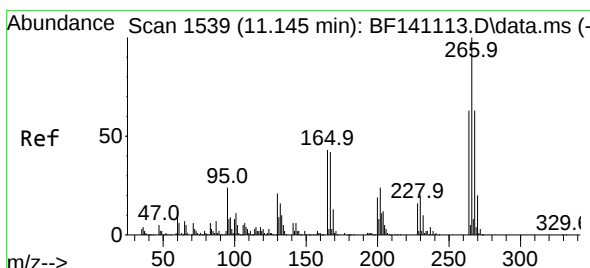
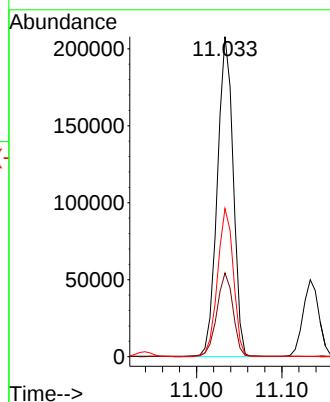
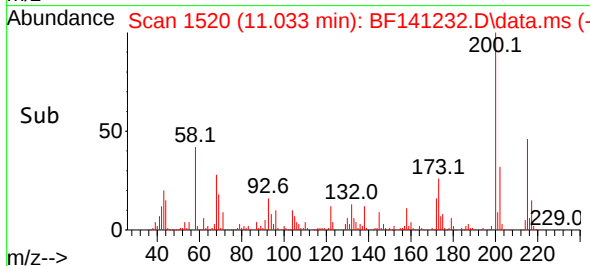
Ion	Ratio	Lower	Upper
200	100		
173	26.2	5.4	45.4
215	46.3	26.6	66.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/22/2025

Supervised By :mohammad ahmed 01/22/2025



#70

Pentachlorophenol

Concen: 98.411 ng

RT: 11.133 min Scan# 1537

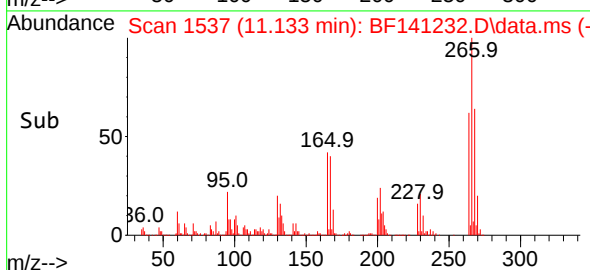
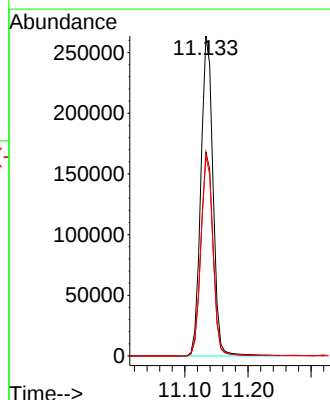
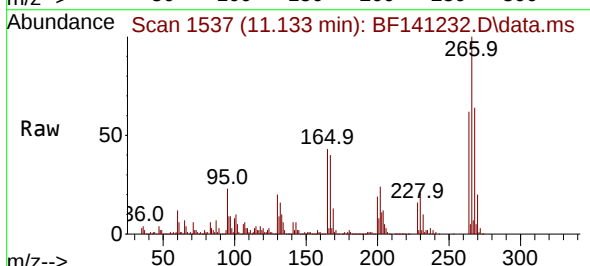
Delta R.T. -0.012 min

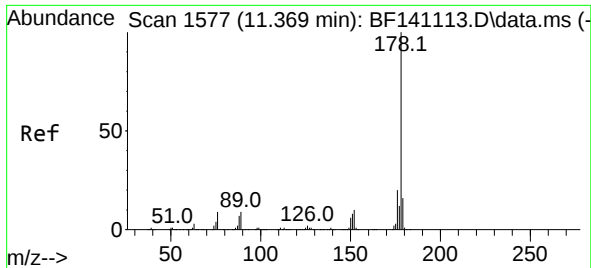
Lab File: BF141232.D

Acq: 21 Jan 2025 13:36

Tgt Ion:266 Resp: 351273

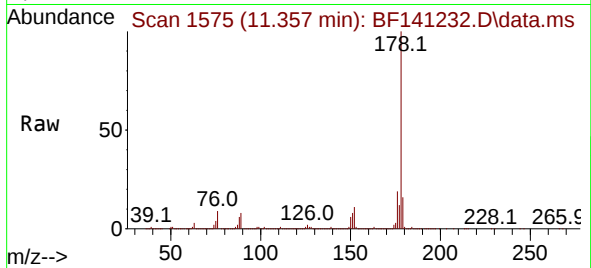
Ion	Ratio	Lower	Upper
266	100		
268	63.7	50.4	75.6
264	62.4	50.2	75.2





#71
Phenanthrene
Concen: 65.172 ng
RT: 11.357 min Scan# 1577
Delta R.T. -0.012 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

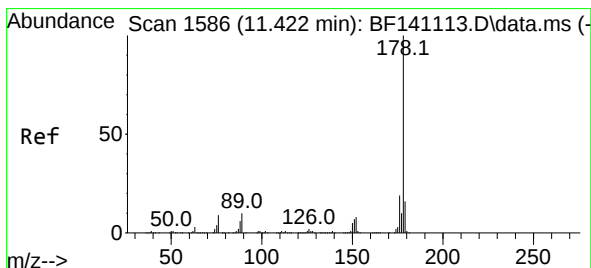
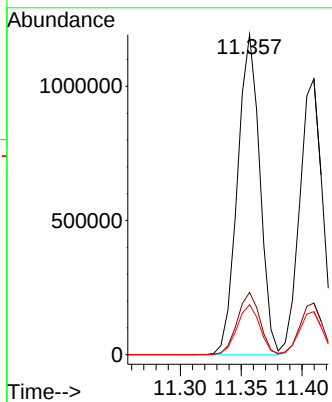
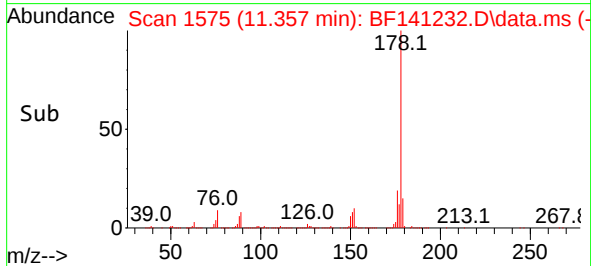
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MS



Tgt Ion:178 Resp: 1521679
Ion Ratio Lower Upper
178 100
176 19.5 15.7 23.5
179 15.6 12.6 19.0

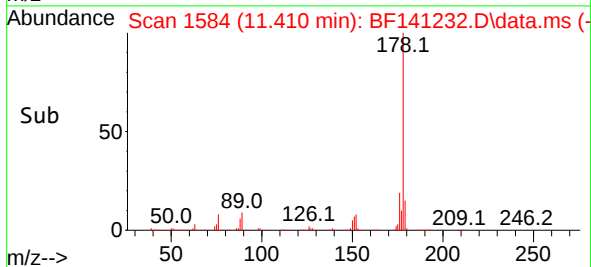
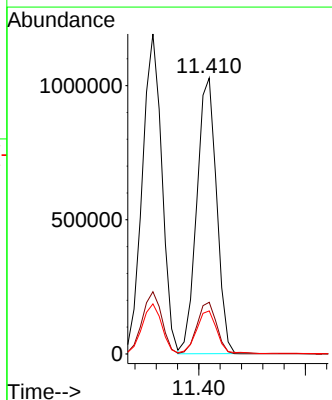
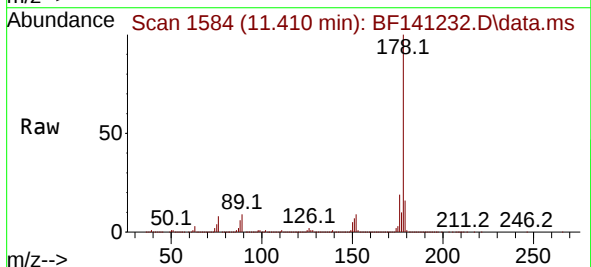
Manual Integrations
APPROVED

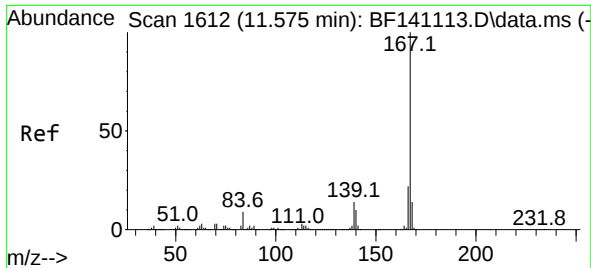
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#72
Anthracene
Concen: 58.574 ng
RT: 11.410 min Scan# 1584
Delta R.T. -0.012 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

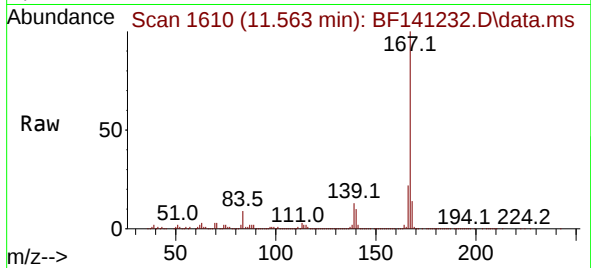
Tgt Ion:178 Resp: 1329797
Ion Ratio Lower Upper
178 100
176 18.8 14.9 22.3
179 15.6 12.6 19.0





#73
 Carbazole
 Concen: 52.135 ng
 RT: 11.563 min Scan# 1610
 Delta R.T. -0.012 min
 Lab File: BF141232.D
 Acq: 21 Jan 2025 13:36

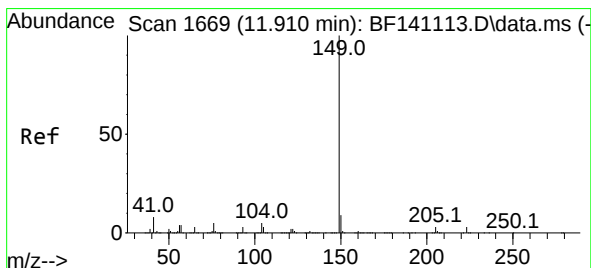
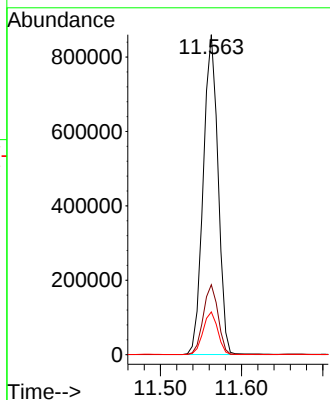
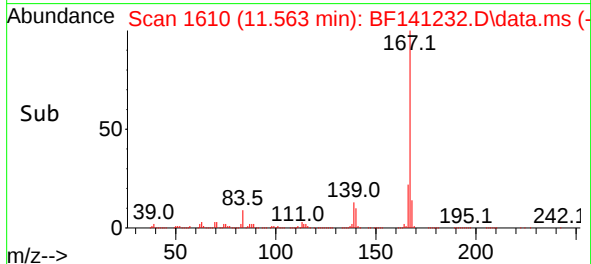
Instrument :
 BNA_F
 ClientSampleId :
 BU-03-1172025MS



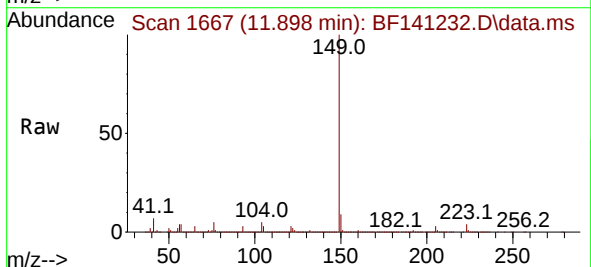
Tgt Ion:167 Resp: 108529
 Ion Ratio Lower Upper
 167 100
 166 21.9 17.4 26.2
 139 13.4 10.9 16.3

Manual Integrations
 APPROVED

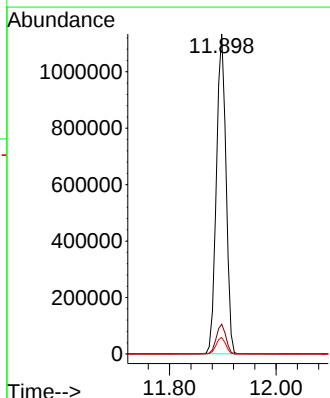
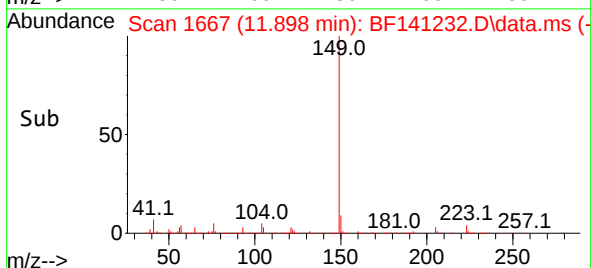
Reviewed By :Yogesh Patel 01/22/2025
 Supervised By :mohammad ahmed 01/22/2025

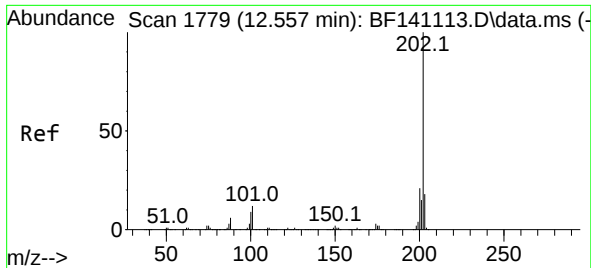


#74
 Di-n-butylphthalate
 Concen: 59.303 ng
 RT: 11.898 min Scan# 1667
 Delta R.T. -0.012 min
 Lab File: BF141232.D
 Acq: 21 Jan 2025 13:36



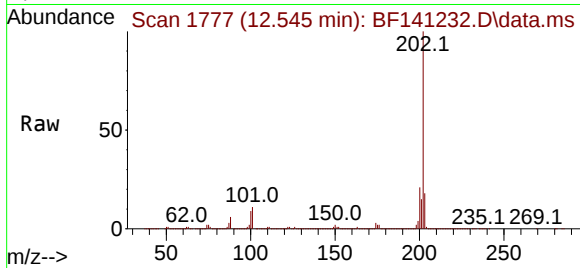
Tgt Ion:149 Resp: 1412800
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.2
 104 5.2 4.2 6.2





#75
Fluoranthene
Concen: 66.087 ng
RT: 12.545 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

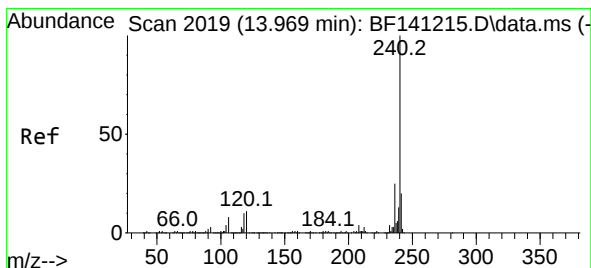
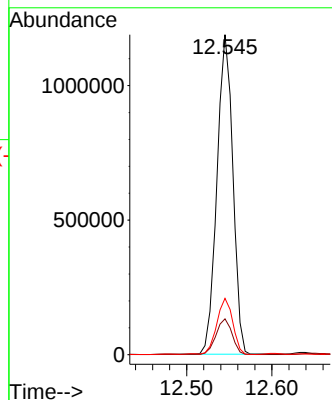
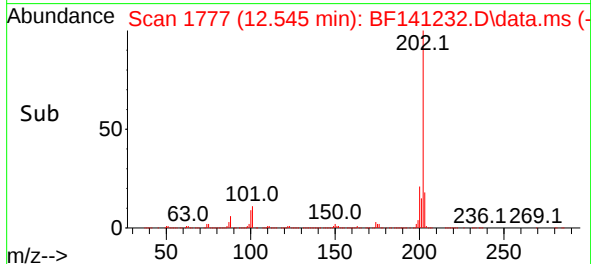
Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MS



Tgt Ion:202 Resp: 153980
Ion Ratio Lower Upper
202 100
101 11.2 0.0 32.3
203 17.6 0.0 37.7

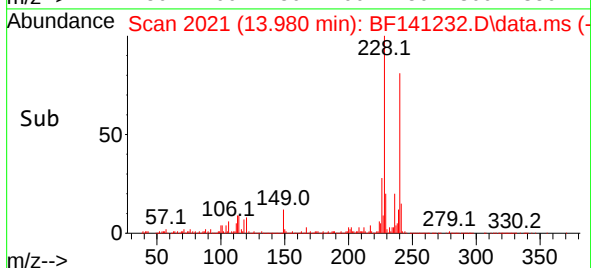
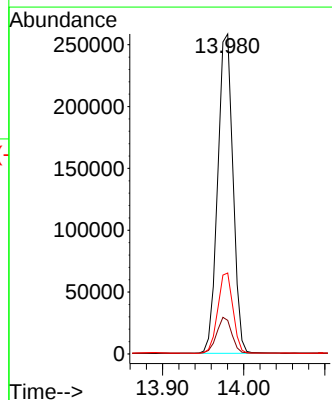
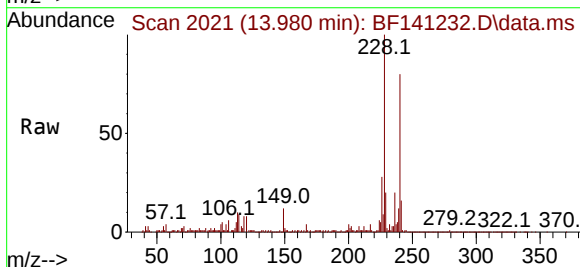
Manual Integrations
APPROVED

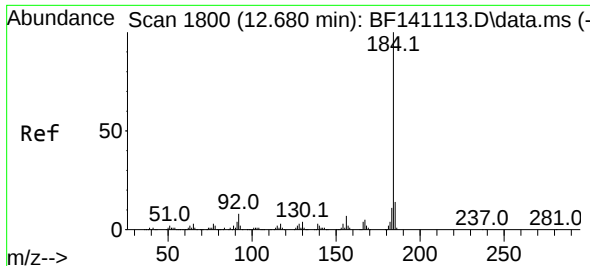
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#76
Chrysene-d12
Concen: 20.000 ng
RT: 13.980 min Scan# 2021
Delta R.T. -0.006 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

Tgt Ion:240 Resp: 338185
Ion Ratio Lower Upper
240 100
120 10.5 9.1 13.7
236 25.3 19.8 29.6





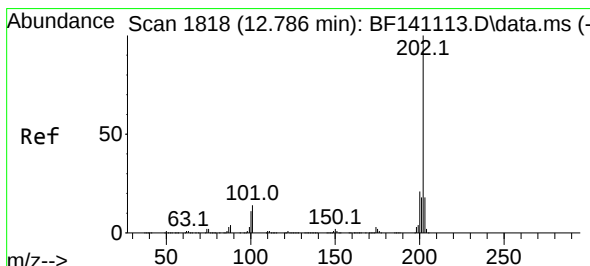
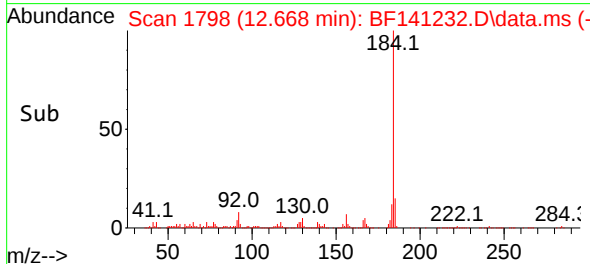
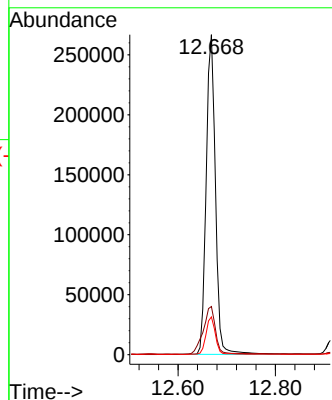
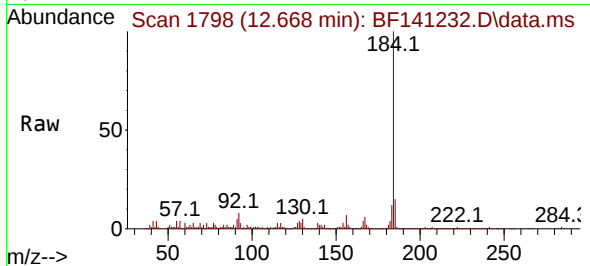
#77
Benzidine
Concen: 55.883 ng
RT: 12.668 min Scan# 1798
Delta R.T. -0.012 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

Instrument :
BNA_F
ClientSampleId :
BU-03-1172025MS

Tgt Ion:184 Resp: 350468
Ion Ratio Lower Upper
184 100
185 15.0 11.4 17.0
183 11.8 9.2 13.8

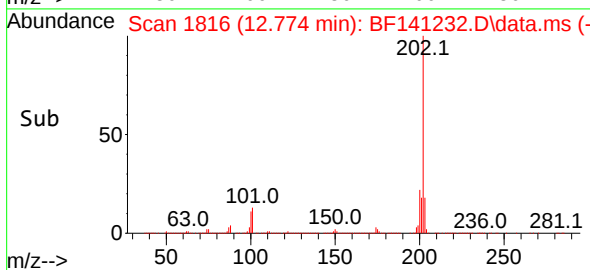
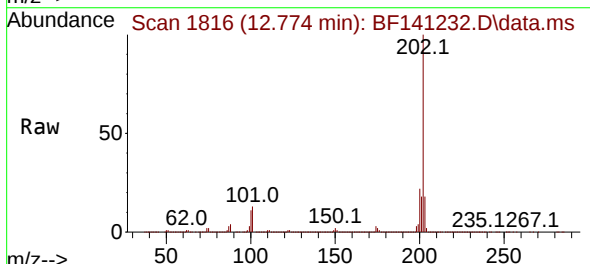
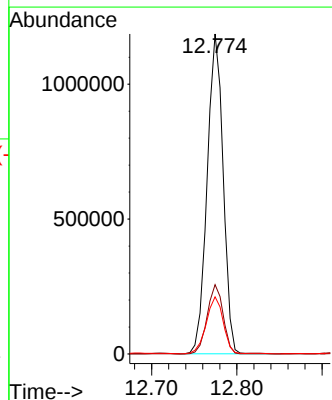
Manual Integrations
APPROVED

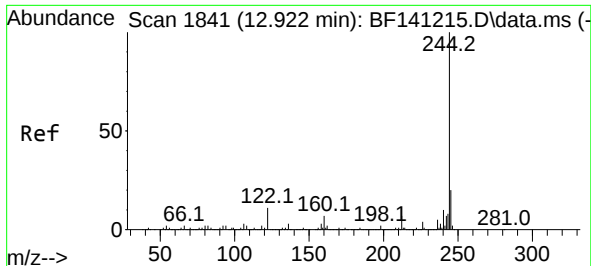
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#78
Pyrene
Concen: 47.782 ng
RT: 12.774 min Scan# 1816
Delta R.T. -0.012 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

Tgt Ion:202 Resp: 1543415
Ion Ratio Lower Upper
202 100
200 21.6 16.8 25.2
203 17.9 14.3 21.5





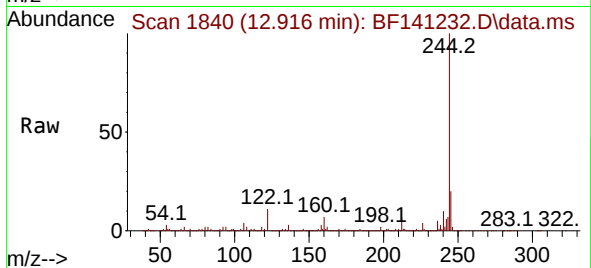
#79
 Terphenyl-d14
 Concen: 57.775 ng
 RT: 12.916 min Scan# 1840
 Delta R.T. -0.018 min
 Lab File: BF141232.D
 Acq: 21 Jan 2025 13:36

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025MS

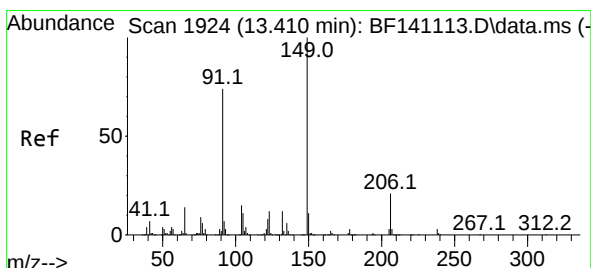
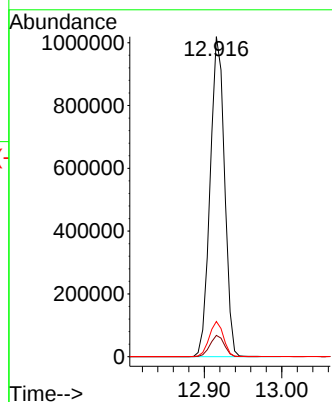
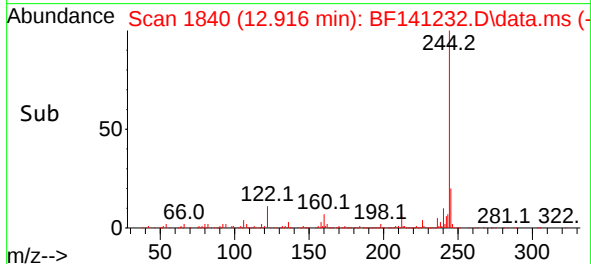


Tgt Ion:244 Resp: 131458
 Ion Ratio Lower Upper
 244 100
 212 6.6 5.4 8.2
 122 11.0 8.8 13.2

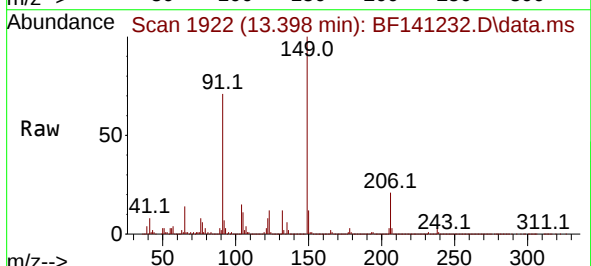
Manual Integrations

APPROVED

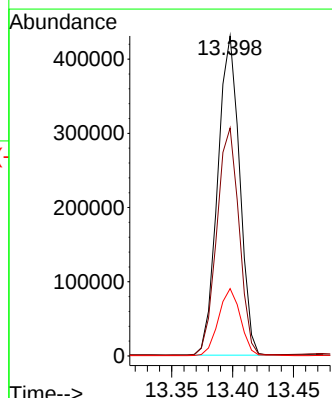
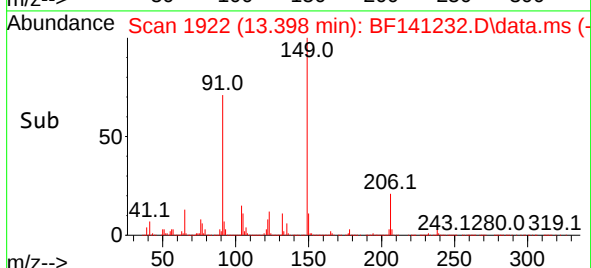
Reviewed By :Yogesh Patel 01/22/2025
 Supervised By :mohammad ahmed 01/22/2025

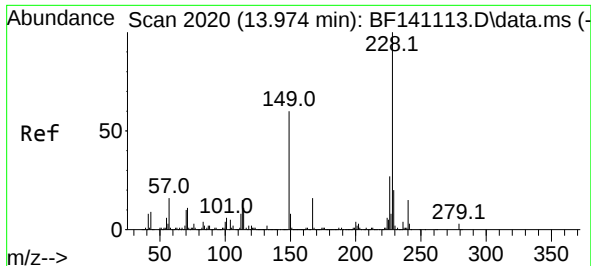


#80
 Butylbenzylphthalate
 Concen: 50.082 ng
 RT: 13.398 min Scan# 1922
 Delta R.T. -0.012 min
 Lab File: BF141232.D
 Acq: 21 Jan 2025 13:36



Tgt Ion:149 Resp: 539349
 Ion Ratio Lower Upper
 149 100
 91 71.3 59.0 88.6
 206 21.1 16.5 24.7





#81
Benzo(a)anthracene
Concen: 57.995 ng
RT: 13.968 min Scan# 2012
Delta R.T. -0.006 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

Instrument :

BNA_F

ClientSampleId :

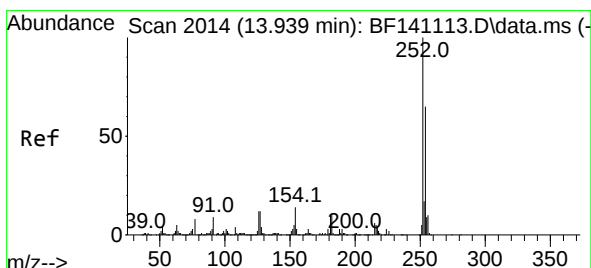
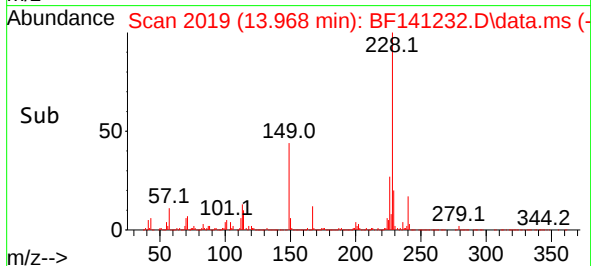
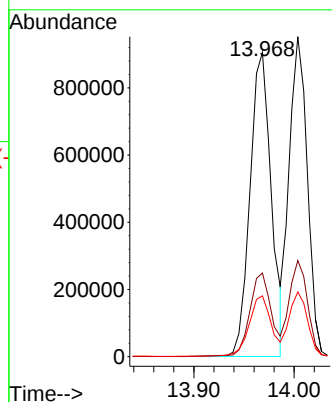
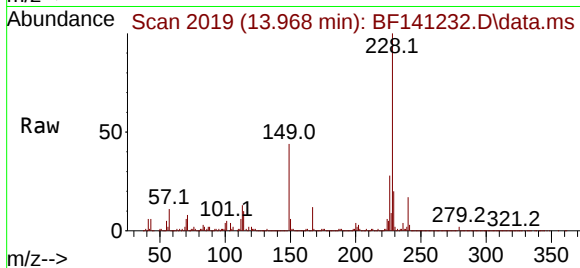
BU-03-1172025MS

Tgt Ion:228 Resp: 133478
Ion Ratio Lower Upper
228 100
226 27.5 21.7 32.5
229 20.0 15.7 23.5

Manual Integrations

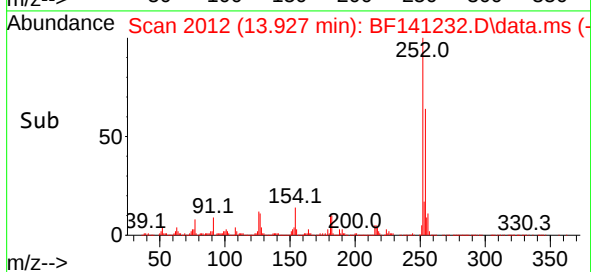
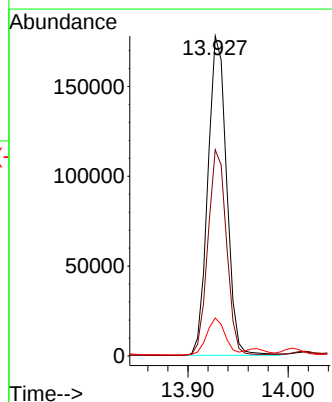
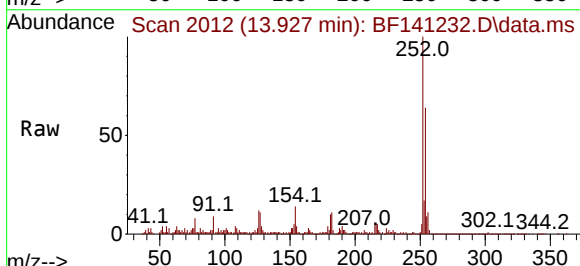
APPROVED

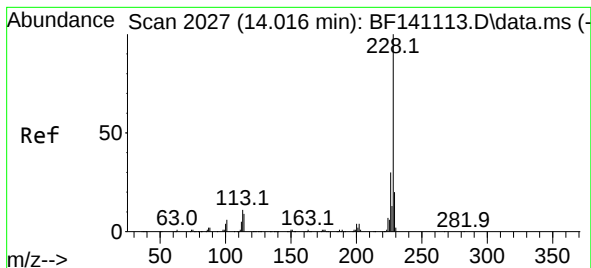
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#82
3,3'-Dichlorobenzidine
Concen: 31.475 ng
RT: 13.927 min Scan# 2012
Delta R.T. -0.012 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

Tgt Ion:252 Resp: 230663
Ion Ratio Lower Upper
252 100
254 64.5 52.0 78.0
126 11.9 9.4 14.0





#83

Chrysene

Concen: 55.517 ng

RT: 14.004 min Scan# 20

Delta R.T. -0.012 min

Lab File: BF141232.D

Acq: 21 Jan 2025 13:36

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025MS

Tgt Ion:228 Resp: 1195578

Ion Ratio Lower Upper

228 100

226 30.0 23.8 35.8

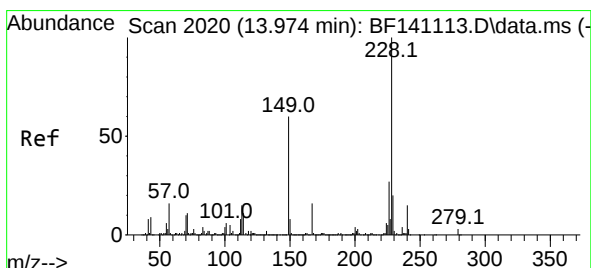
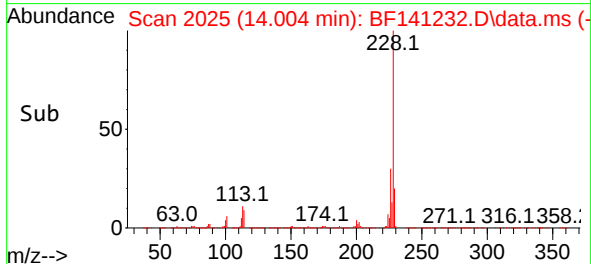
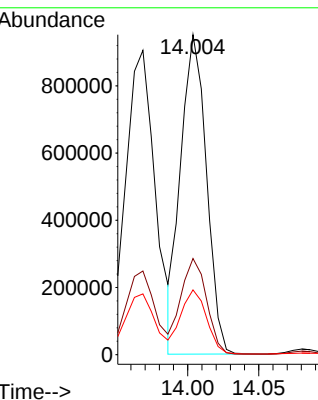
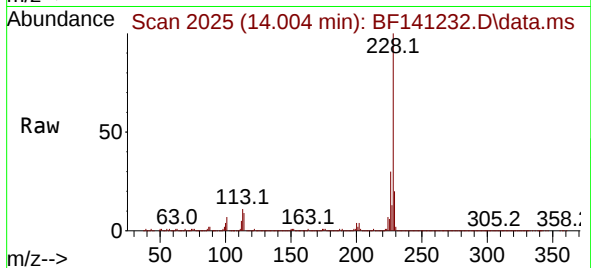
229 20.3 15.8 23.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/22/2025

Supervised By :mohammad ahmed 01/22/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 56.753 ng

RT: 13.963 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF141232.D

Acq: 21 Jan 2025 13:36

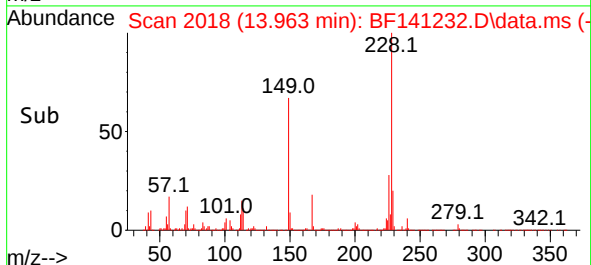
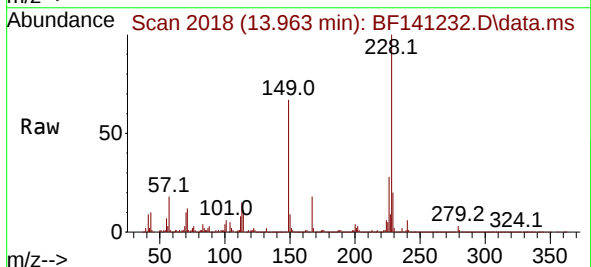
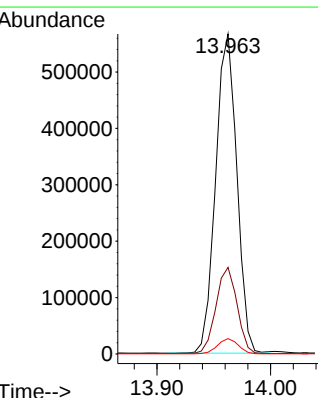
Tgt Ion:149 Resp: 733342

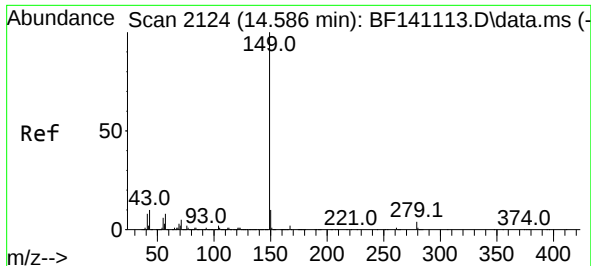
Ion Ratio Lower Upper

149 100

167 27.1 21.4 32.2

279 4.8 3.4 5.2





#85
Di-n-octyl phthalate
Concen: 67.638 ng
RT: 14.592 min Scan# 2124
Delta R.T. 0.006 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

Instrument :

BNA_F

ClientSampleId :

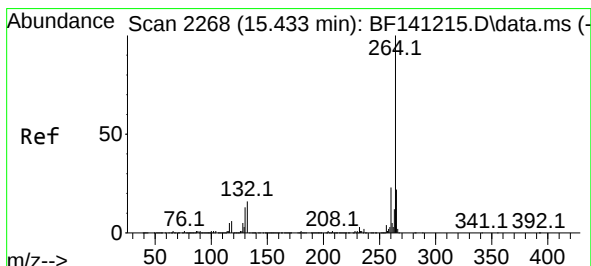
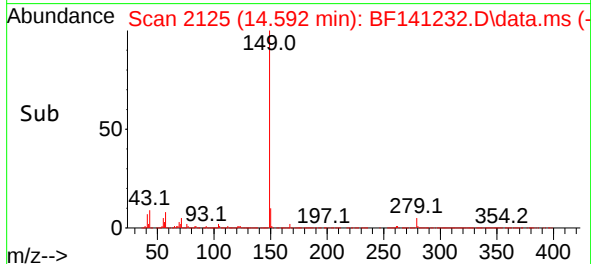
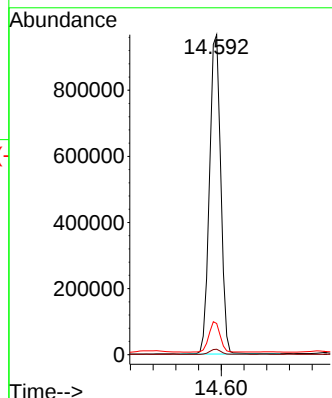
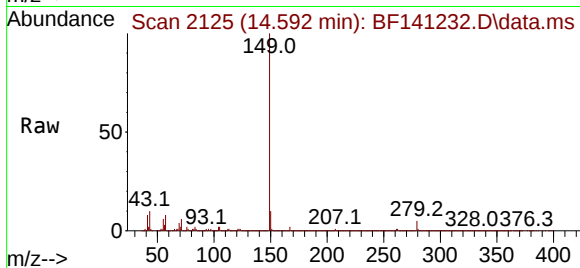
BU-03-1172025MS

Tgt Ion:149 Resp: 1319794
Ion Ratio Lower Upper
149 100
167 1.6 1.3 1.9
43 9.5 8.4 12.6

Manual Integrations

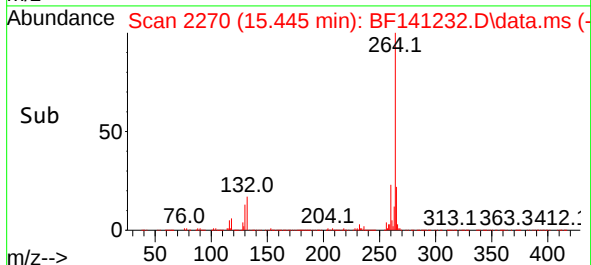
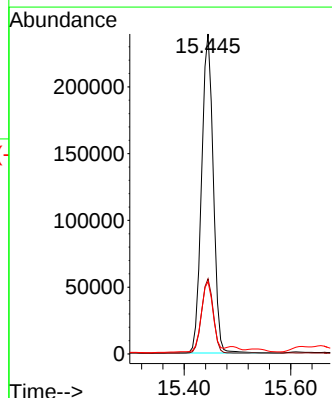
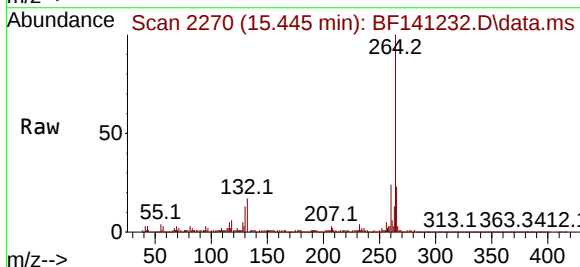
APPROVED

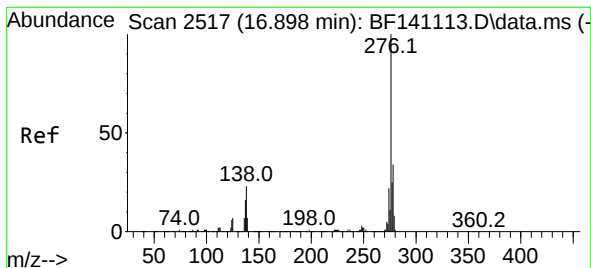
Reviewed By :Yogesh Patel 01/22/2025
Supervised By :mohammad ahmed 01/22/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.445 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

Tgt Ion:264 Resp: 363862
Ion Ratio Lower Upper
264 100
260 23.5 18.6 28.0
265 22.6 17.4 26.0





#87

Indeno(1,2,3-cd)pyrene

Concen: 41.835 ng

RT: 16.898 min Scan# 2115

Delta R.T. -0.000 min

Lab File: BF141232.D

Acq: 21 Jan 2025 13:36

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025MS

Tgt Ion:276 Resp: 1115210

Ion Ratio Lower Upper

276 100

138 23.8 20.7 31.1

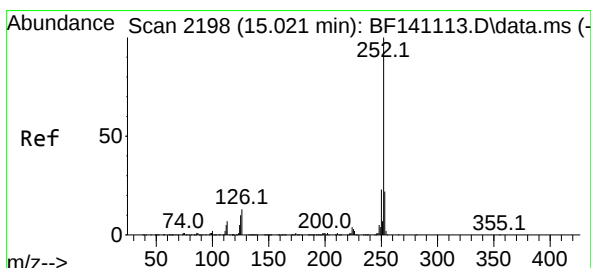
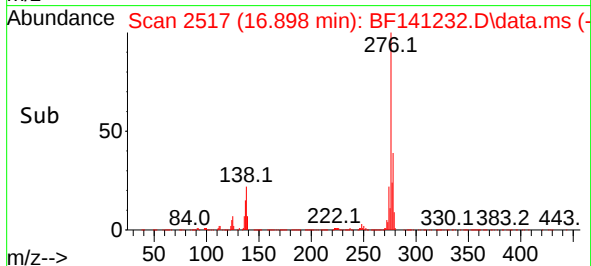
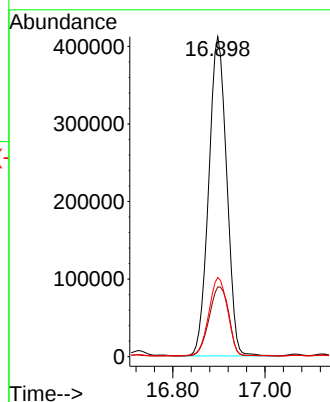
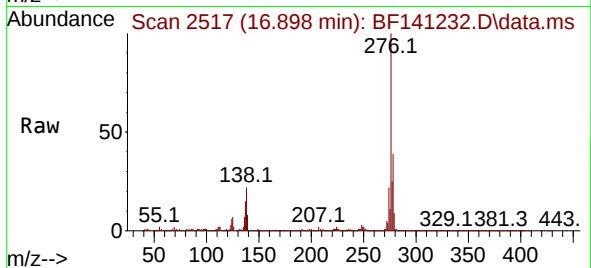
277 25.8 20.6 30.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/22/2025

Supervised By :mohammad ahmed 01/22/2025



#88

Benzo(b)fluoranthene

Concen: 61.452 ng

RT: 15.027 min Scan# 2199

Delta R.T. 0.006 min

Lab File: BF141232.D

Acq: 21 Jan 2025 13:36

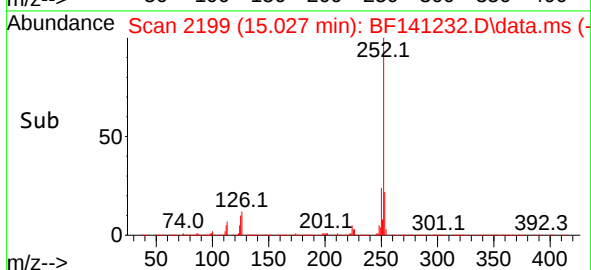
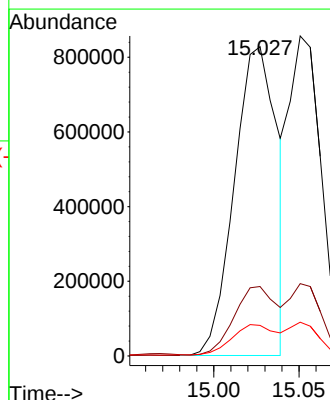
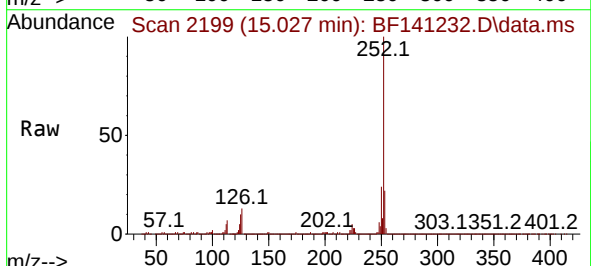
Tgt Ion:252 Resp: 1441840

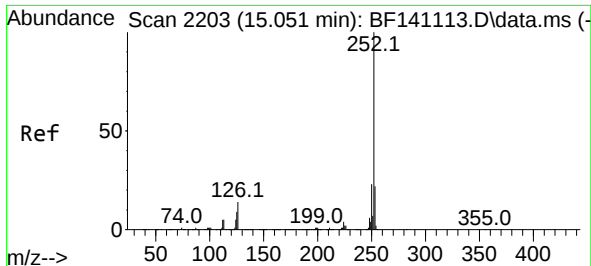
Ion Ratio Lower Upper

252 100

253 22.5 17.8 26.6

125 9.9 8.1 12.1





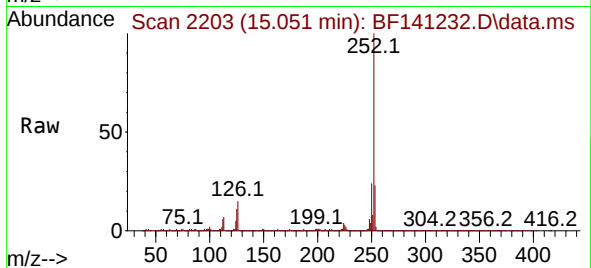
#89
Benzo(k)fluoranthene
Concen: 56.527 ng
RT: 15.051 min Scan# 21
Delta R.T. -0.000 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025MS



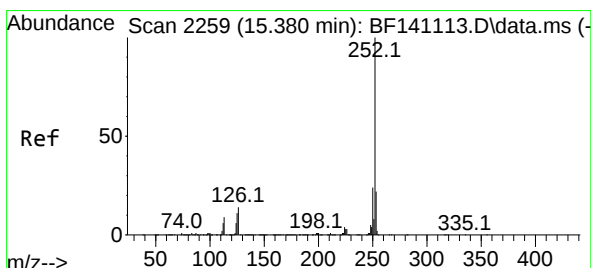
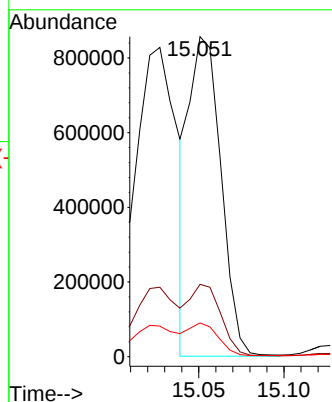
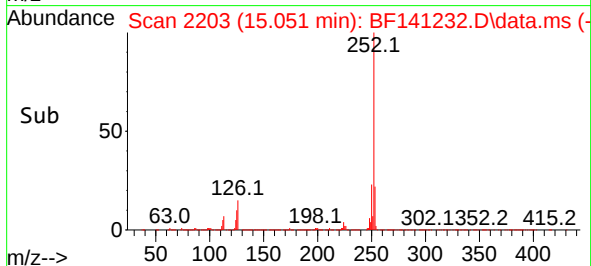
Tgt Ion:252 Resp: 1120830
Ion Ratio Lower Upper
252 100
253 22.6 17.8 26.8
125 10.6 7.9 11.9

Manual Integrations

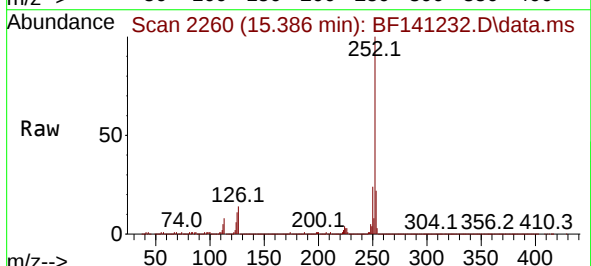
APPROVED

Reviewed By :Yogesh Patel 01/22/2025

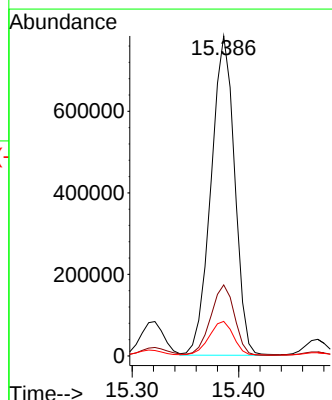
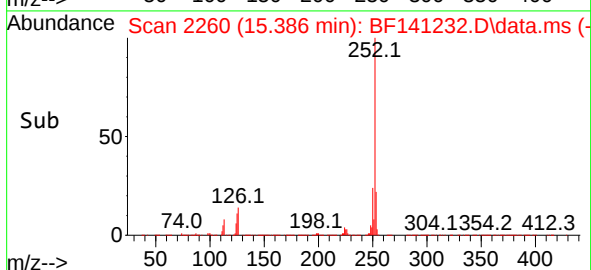
Supervised By :mohammad ahmed 01/22/2025

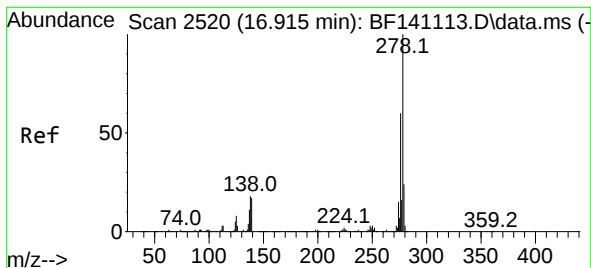


#90
Benzo(a)pyrene
Concen: 62.184 ng
RT: 15.386 min Scan# 2260
Delta R.T. 0.006 min
Lab File: BF141232.D
Acq: 21 Jan 2025 13:36



Tgt Ion:252 Resp: 1203772
Ion Ratio Lower Upper
252 100
253 22.2 17.7 26.5
125 10.8 9.1 13.7





#91

Dibenzo(a,h)anthracene

Concen: 41.070 ng

RT: 16.915 min Scan# 2520

Delta R.T. -0.000 min

Lab File: BF141232.D

Acq: 21 Jan 2025 13:36

Instrument :

BNA_F

ClientSampleId :

BU-03-1172025MS

Tgt Ion:278 Resp: 88550

Ion Ratio Lower Upper

278 100

139 15.9 13.8 20.6

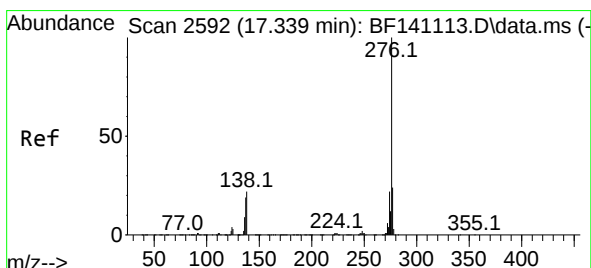
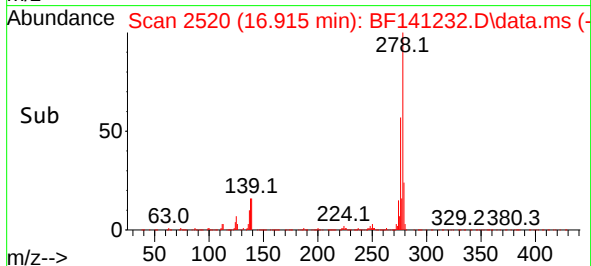
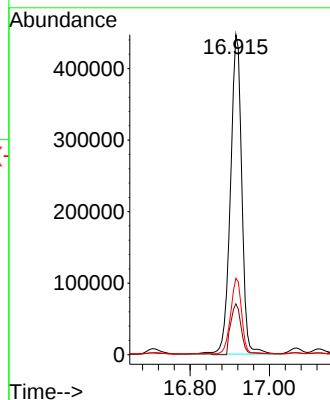
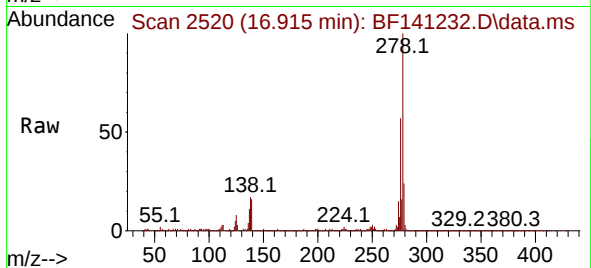
279 23.8 19.1 28.7

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 01/22/2025

Supervised By :mohammad ahmed 01/22/2025



#92

Benzo(g,h,i)perylene

Concen: 35.771 ng

RT: 17.333 min Scan# 2591

Delta R.T. -0.006 min

Lab File: BF141232.D

Acq: 21 Jan 2025 13:36

Tgt Ion:276 Resp: 802209

Ion Ratio Lower Upper

276 100

277 23.6 19.0 28.4

138 21.3 17.4 26.2

