

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF020525\
 Data File : BF141439.D
 Acq On : 05 Feb 2025 11:47
 Operator : RC/JU
 Sample : PB166294BS
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB166294BS

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025

Quant Time: Feb 05 12:09:44 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF012925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Jan 29 17:41:25 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.792	152	72987	20.000	ng	-0.01
21) Naphthalene-d8	8.075	136	285622	20.000	ng	#-0.01
39) Acenaphthene-d10	9.827	164	157073	20.000	ng	-0.01
64) Phenanthrene-d10	11.316	188	268815	20.000	ng	-0.01
76) Chrysene-d12	13.963	240	187164	20.000	ng	-0.01
86) Perylene-d12	15.427	264	163935	20.000	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.416	112	630538	132.627	ng	0.00
7) Phenol-d6	6.434	99	771514	127.565	ng	0.00
23) Nitrobenzene-d5	7.357	82	515185	95.086	ng	-0.01
42) 2,4,6-Tribromophenol	10.622	330	222970	154.841	ng	-0.01
45) 2-Fluorobiphenyl	9.151	172	954571	93.540	ng	-0.01
79) Terphenyl-d14	12.904	244	1162048	95.750	ng	-0.01
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.551	88	75727	36.218	ng	95
3) Pyridine	3.281	79	189020	37.521	ng	95
4) n-Nitrosodimethylamine	3.228	42	144996	50.383	ng	83
6) Aniline	6.451	93	193758	37.847	ng	# 5
8) 2-Chlorophenol	6.581	128	240737	47.243	ng	96
9) Benzaldehyde	6.339	77	21533	6.147	ng	97
10) Phenol	6.445	94	287555	44.852	ng	# 68
11) bis(2-Chloroethyl)ether	6.528	93	216614	44.066	ng	99
12) 1,3-Dichlorobenzene	6.728	146	251649	44.789	ng	98
13) 1,4-Dichlorobenzene	6.810	146	262713	46.544	ng	100
14) 1,2-Dichlorobenzene	6.957	146	245753	46.497	ng	99
15) Benzyl Alcohol	6.934	79	214068	51.793	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.063	45	367278	42.966	ng	59
17) 2-Methylphenol	7.051	107	185339	44.752	ng	# 92
18) Hexachloroethane	7.304	117	99805	47.931	ng	97
19) n-Nitroso-di-n-propyla...	7.204	70	168244	46.816	ng	100
20) 3+4-Methylphenols	7.204	107	239419	47.083	ng	93
22) Acetophenone	7.198	105	333018	49.051	ng	99
24) Nitrobenzene	7.375	77	257434	45.849	ng	99
25) Isophorone	7.610	82	442481	47.245	ng	99
26) 2-Nitrophenol	7.692	139	127059	47.983	ng	96
27) 2,4-Dimethylphenol	7.733	122	184581m	54.764	ng	
28) bis(2-Chloroethoxy)met...	7.822	93	262769	43.985	ng	99
29) 2,4-Dichlorophenol	7.939	162	197168	47.784	ng	99
30) 1,2,4-Trichlorobenzene	8.016	180	213686	45.347	ng	99
31) Naphthalene	8.092	128	691208	45.810	ng	100
32) Benzoic acid	7.857	122	138729	44.774	ng	95
33) 4-Chloroaniline	8.145	127	109963	21.491	ng	98
34) Hexachlorobutadiene	8.210	225	136347	49.340	ng	99
35) Caprolactam	8.510	113	62207m	46.162	ng	
36) 4-Chloro-3-methylphenol	8.639	107	217975	49.249	ng	95
37) 2-Methylnaphthalene	8.786	142	450445	46.970	ng	99
38) 1-Methylnaphthalene	8.886	142	421785	44.773	ng	100
40) 1,2,4,5-Tetrachloroben...	8.951	216	213361	47.747	ng	98
41) Hexachlorocyclopentadiene	8.939	237	243063	184.182	ng	99
43) 2,4,6-Trichlorophenol	9.069	196	139484	47.690	ng	99

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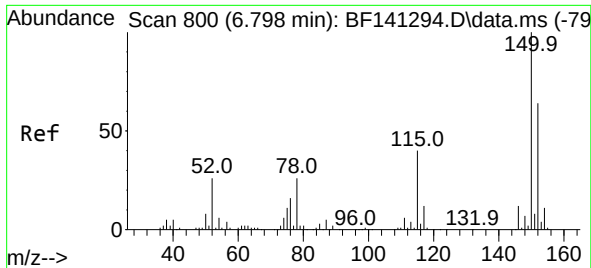
Manual Integrations
 APPROVED

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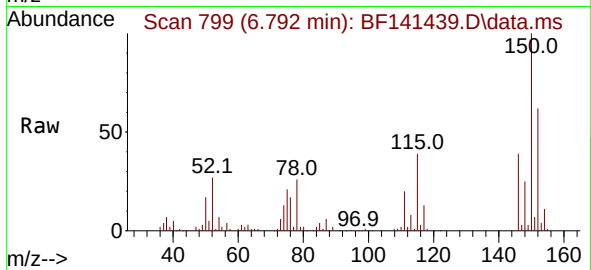
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.116	196	148386	46.613	ng	98
46) 1,1'-Biphenyl	9.251	154	568607	46.418	ng	99
47) 2-Chloronaphthalene	9.275	162	426849	44.705	ng	99
48) 2-Nitroaniline	9.375	65	147311	49.051	ng	95
49) Acenaphthylene	9.692	152	656250	49.100	ng	100
50) Dimethylphthalate	9.557	163	504634	47.568	ng	100
51) 2,6-Dinitrotoluene	9.616	165	110496	44.859	ng	94
52) Acenaphthene	9.863	154	510747m	53.490	ng	
53) 3-Nitroaniline	9.786	138	65366	27.076	ng	95
54) 2,4-Dinitrophenol	9.898	184	130643	114.095	ng	90
55) Dibenzofuran	10.039	168	602805	47.164	ng	97
56) 4-Nitrophenol	9.969	139	181575	102.840	ng	89
57) 2,4-Dinitrotoluene	10.022	165	157833	49.490	ng	91
58) Fluorene	10.380	166	482443	48.663	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.157	232	128565m	51.336	ng	
60) Diethylphthalate	10.257	149	500958	48.702	ng	99
61) 4-Chlorophenyl-phenyle...	10.374	204	233801	48.279	ng	98
62) 4-Nitroaniline	10.404	138	114882	48.402	ng	90
63) Azobenzene	10.533	77	481359	46.750	ng	98
65) 4,6-Dinitro-2-methylph...	10.433	198	91087	57.286	ng	100
66) n-Nitrosodiphenylamine	10.492	169	421404	48.468	ng	99
67) 4-Bromophenyl-phenylether	10.863	248	145703	48.415	ng	99
68) Hexachlorobenzene	10.927	284	153026	47.936	ng	99
69) Atrazine	11.022	200	152376	52.417	ng	99
70) Pentachlorophenol	11.127	266	193550	103.538	ng	99
71) Phenanthrene	11.345	178	743871	51.479	ng	100
72) Anthracene	11.392	178	758044	53.540	ng	99
73) Carbazole	11.551	167	665174	52.983	ng	99
74) Di-n-butylphthalate	11.880	149	783458	51.494	ng	99
75) Fluoranthene	12.533	202	792604	55.552	ng	98
77) Benzidine	12.657	184	173242	28.873	ng	99
78) Pyrene	12.763	202	824927	45.916	ng	99
80) Butylbenzylphthalate	13.380	149	311075	49.562	ng	99
81) Benzo(a)anthracene	13.951	228	637983	49.397	ng	99
82) 3,3'-Dichlorobenzidine	13.915	252	98974	24.095	ng	98
83) Chrysene	13.992	228	562189	47.496	ng	100
84) Bis(2-ethylhexyl)phtha...	13.945	149	403170	50.636	ng	99
85) Di-n-octyl phthalate	14.574	149	602500	48.720	ng	98
87) Indeno(1,2,3-cd)pyrene	16.880	276	538149	50.861	ng	95
88) Benzo(b)fluoranthene	15.009	252	498092	48.302	ng	98
89) Benzo(k)fluoranthene	15.039	252	472495	51.723	ng	98
90) Benzo(a)pyrene	15.368	252	461267	52.934	ng	98
91) Dibenzo(a,h)anthracene	16.898	278	435153	51.119	ng	96
92) Benzo(g,h,i)perylene	17.315	276	407221	46.007	ng	96

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.792 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

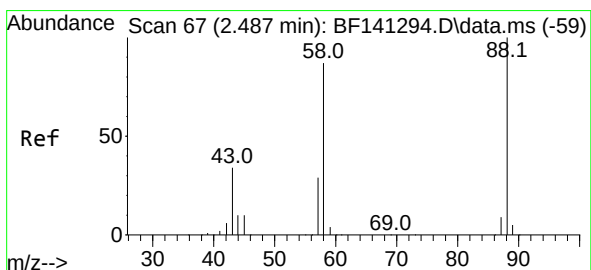
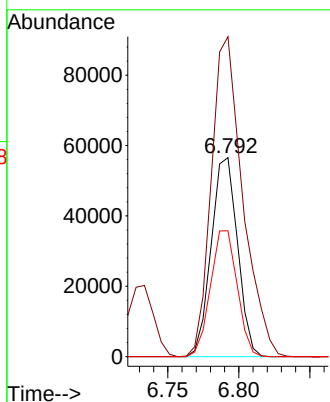
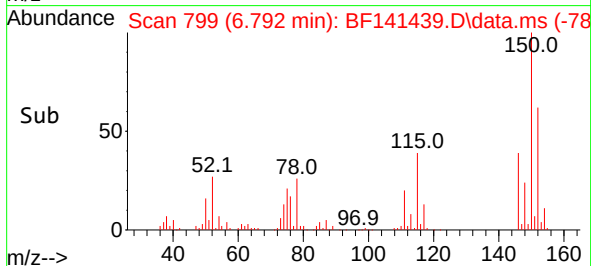
Instrument :
BNA_F
ClientSampleId :
PB166294BS



Tgt Ion:152 Resp: 7298
Ion Ratio Lower Upper
152 100
150 160.8 125.9 188.9
115 63.3 49.7 74.5

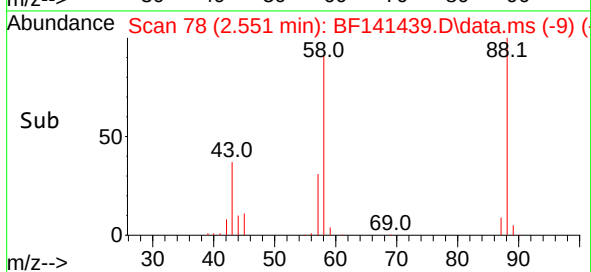
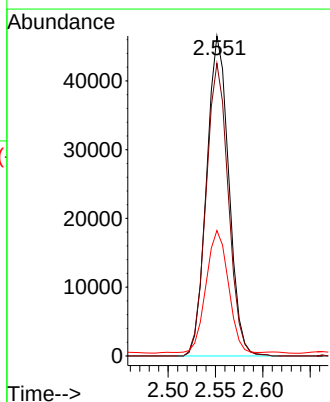
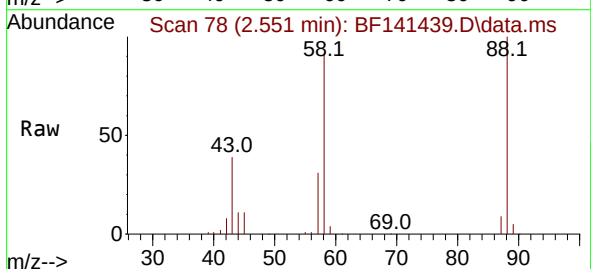
Manual Integrations
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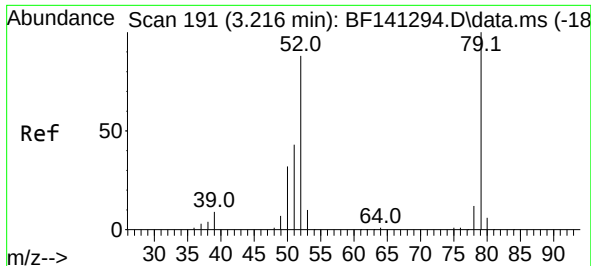
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#2
1,4-Dioxane
Concen: 36.218 ng
RT: 2.551 min Scan# 78
Delta R.T. 0.059 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion: 88 Resp: 75727
Ion Ratio Lower Upper
88 100
58 91.6 70.2 105.4
43 38.9 27.6 41.4





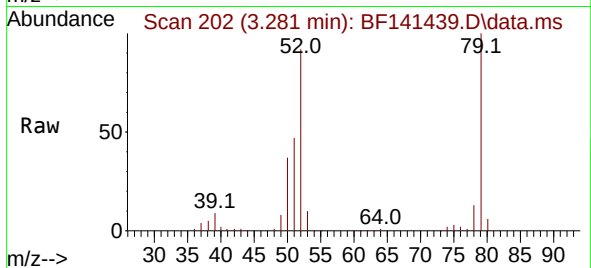
#3
Pyridine
Concen: 37.521 ng
RT: 3.281 min Scan# 20
Delta R.T. 0.053 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

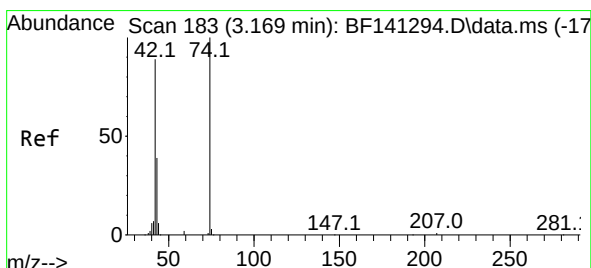
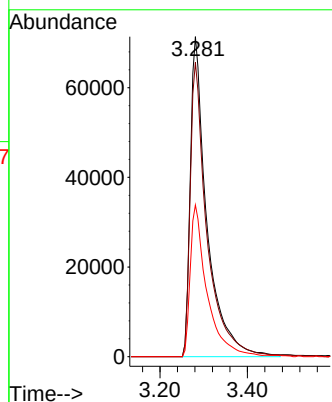
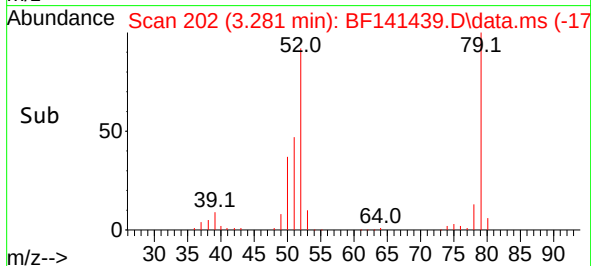


Tgt Ion: 79 Resp: 189020
Ion Ratio Lower Upper
79 100
52 92.0 70.3 105.5
51 47.4 34.3 51.5

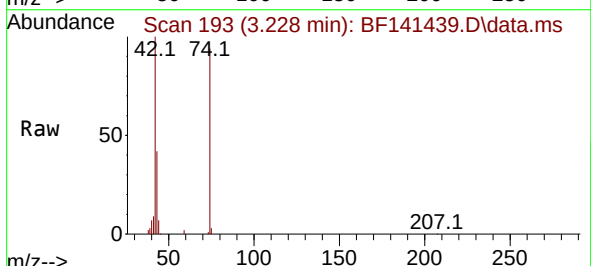
Manual Integrations

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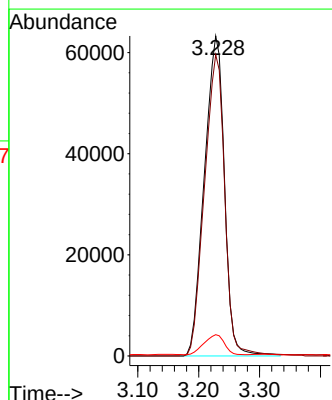
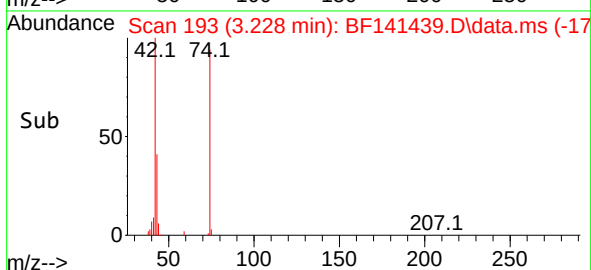
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

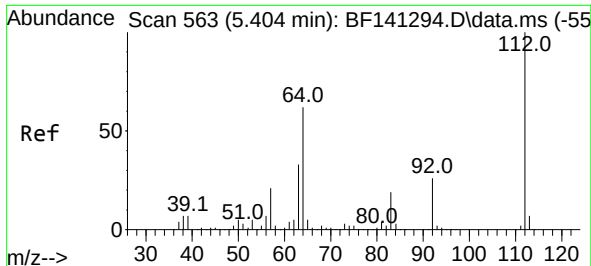


#4
n-Nitrosodimethylamine
Concen: 50.383 ng
RT: 3.228 min Scan# 193
Delta R.T. 0.029 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47



Tgt Ion: 42 Resp: 144996
Ion Ratio Lower Upper
42 100
74 94.2 90.3 135.5
44 6.6 5.7 8.5





#5
2-Fluorophenol
Concen: 132.627 ng
RT: 5.416 min Scan# 50
Delta R.T. 0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

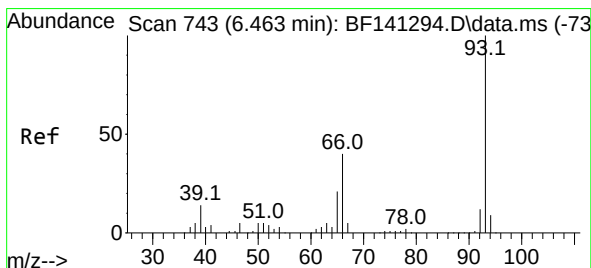
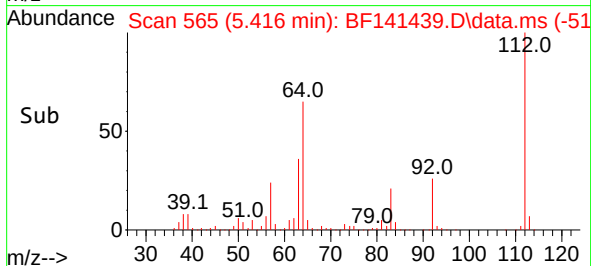
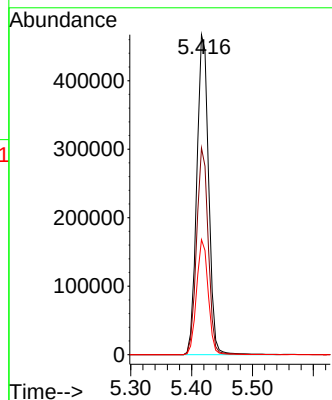
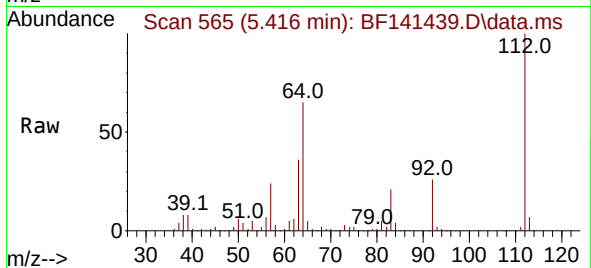
PB166294BS

Tgt Ion:112 Resp: 630538
Ion Ratio Lower Upper
112 100
64 64.6 49.8 74.8
63 35.9 26.1 39.1

Manual Integrations

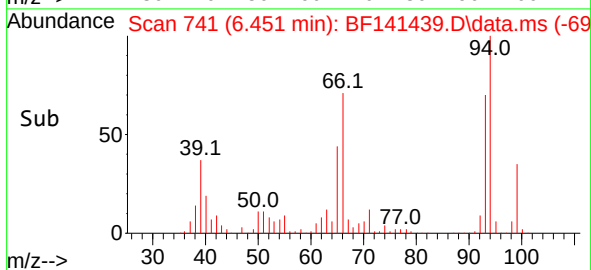
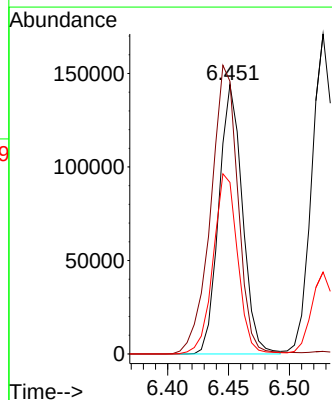
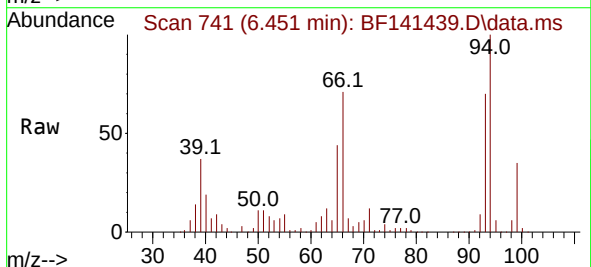
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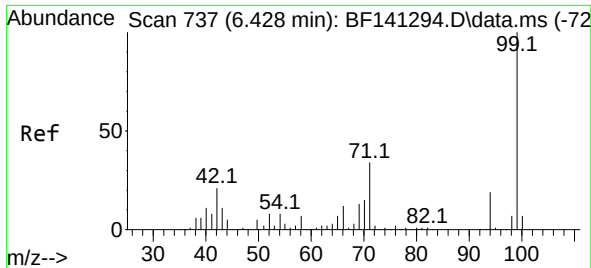
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#6
Aniline
Concen: 37.847 ng
RT: 6.451 min Scan# 741
Delta R.T. -0.018 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion: 93 Resp: 193758
Ion Ratio Lower Upper
93 100
66 101.2 32.5 48.7#
65 63.6 17.0 25.6#





#7

Phenol-d6

Concen: 127.565 ng

RT: 6.434 min Scan# 71

Delta R.T. -0.006 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

Tgt Ion: 99 Resp: 771514

Ion Ratio Lower Upper

99 100

42 23.5 17.1 25.7

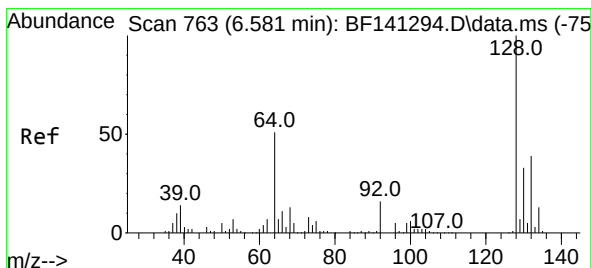
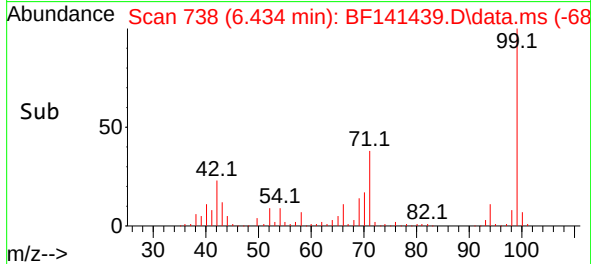
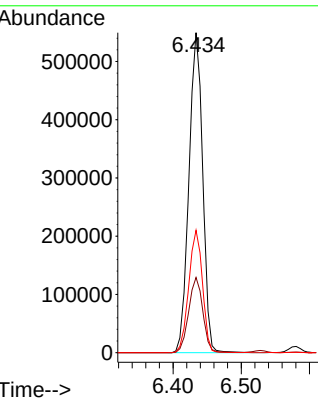
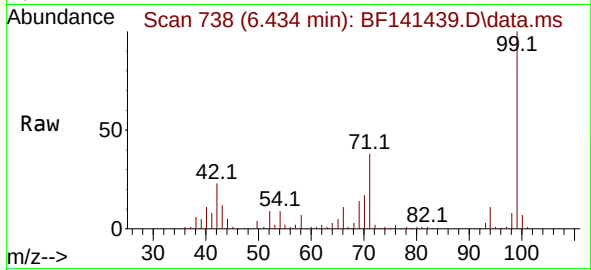
71 38.2 26.9 40.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#8

2-Chlorophenol

Concen: 47.243 ng

RT: 6.581 min Scan# 763

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

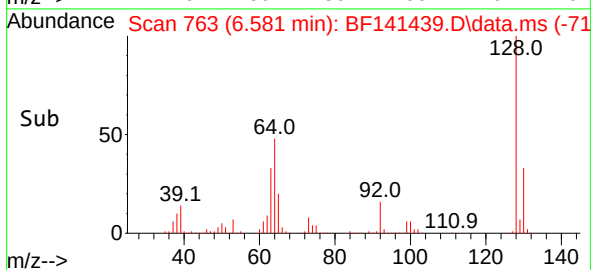
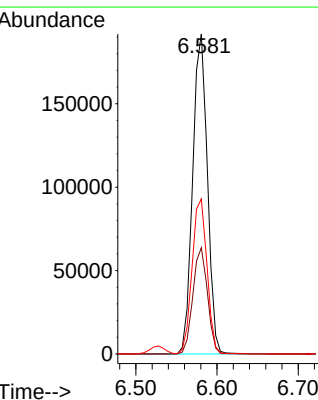
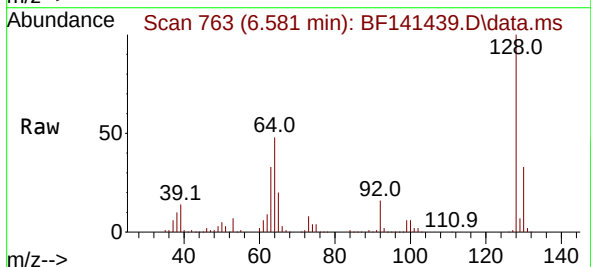
Tgt Ion:128 Resp: 240737

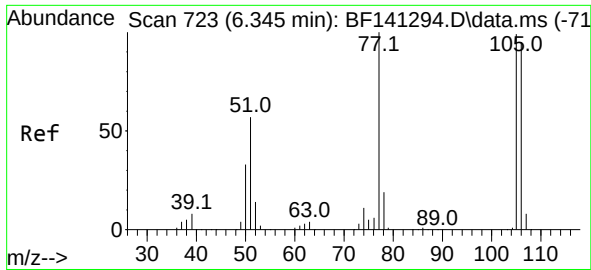
Ion Ratio Lower Upper

128 100

130 33.2 12.5 52.5

64 48.4 32.9 72.9





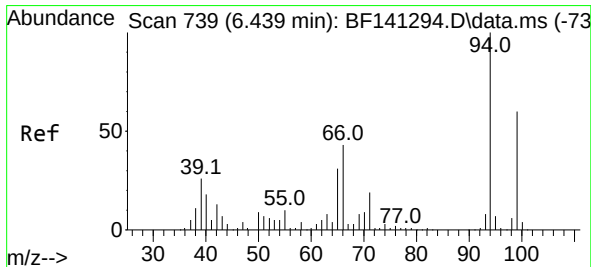
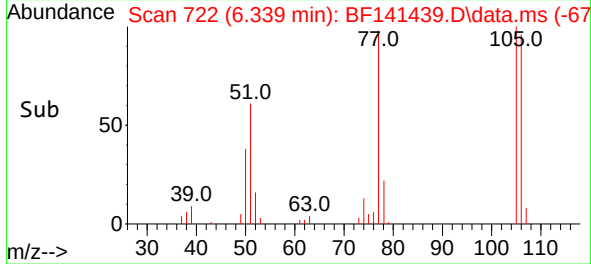
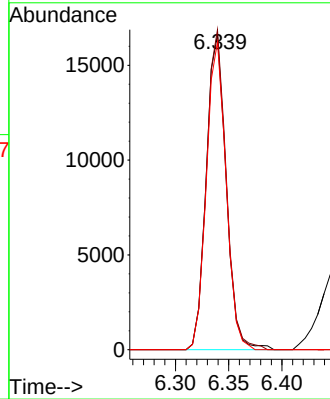
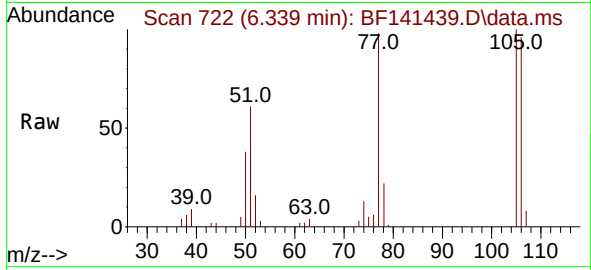
#9
Benzaldehyde
Concen: 6.147 ng
RT: 6.339 min Scan# 71
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Instrument :
BNA_F
ClientSampleId :
PB166294BS

Tgt Ion: 77 Resp: 2153
Ion Ratio Lower Upper
77 100
105 101.5 79.4 119.4
106 97.7 74.6 114.6

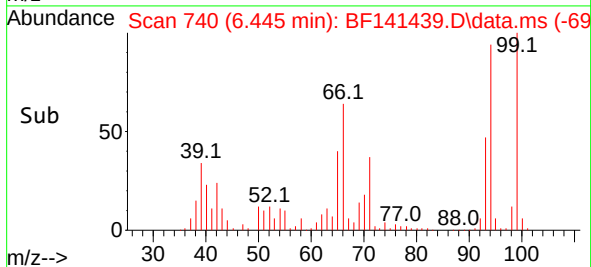
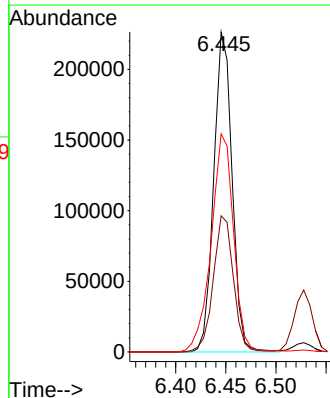
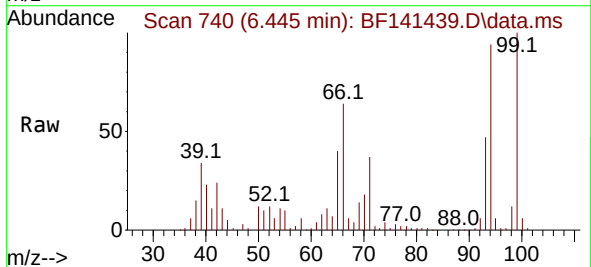
Manual Integrations
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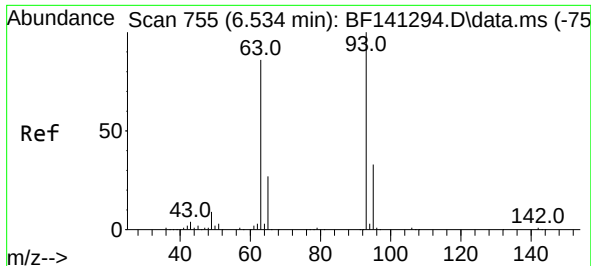
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#10
Phenol
Concen: 44.852 ng
RT: 6.445 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion: 94 Resp: 287555
Ion Ratio Lower Upper
94 100
65 42.5 10.8 50.8
66 68.2 23.3 63.3#





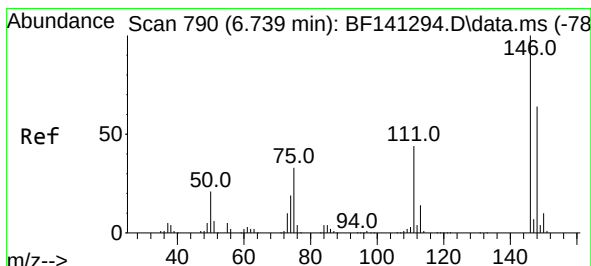
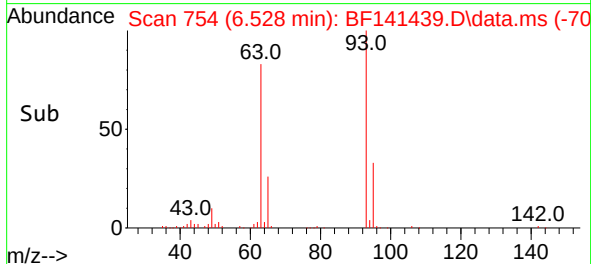
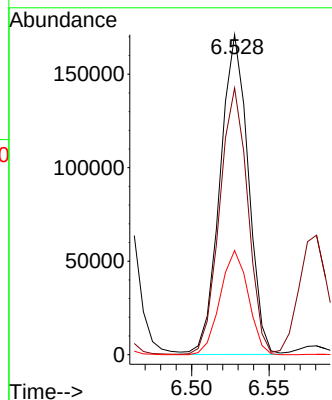
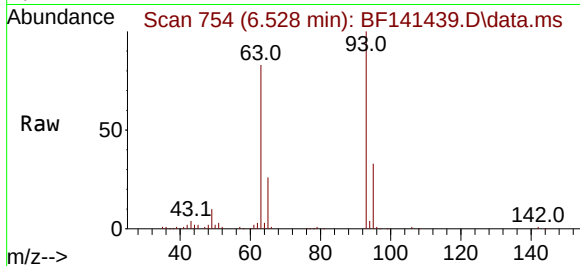
#11
bis(2-Chloroethyl)ether
Concen: 44.066 ng
RT: 6.528 min Scan# 714
Delta R.T. -0.018 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Instrument :
BNA_F
ClientSampleId :
PB166294BS

Tgt Ion: 93 Resp: 216614
Ion Ratio Lower Upper
93 100
63 83.4 65.0 105.0
95 32.6 12.4 52.4

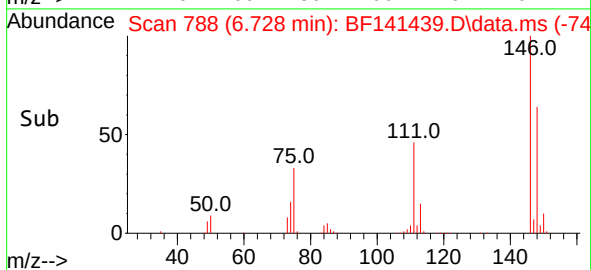
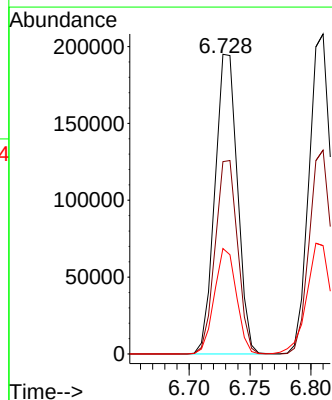
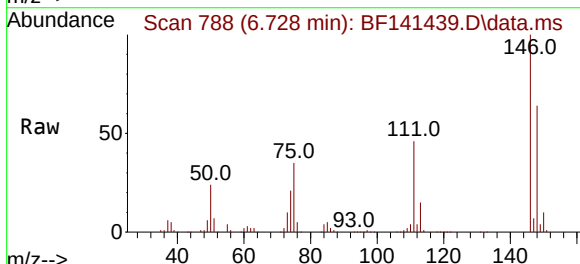
Manual Integrations
APPROVED

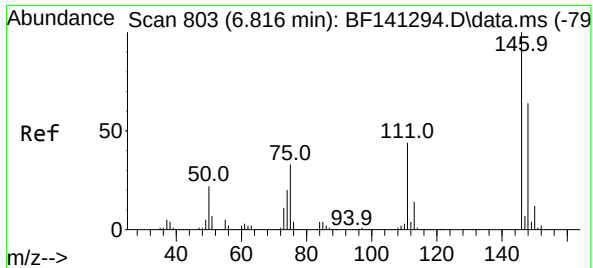
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#12
1,3-Dichlorobenzene
Concen: 44.789 ng
RT: 6.728 min Scan# 788
Delta R.T. -0.018 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:146 Resp: 251649
Ion Ratio Lower Upper
146 100
148 64.2 51.2 76.8
75 35.2 26.2 39.4





#13

1,4-Dichlorobenzene

Concen: 46.544 ng

RT: 6.810 min Scan# 803

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

Tgt Ion:146 Resp: 26271

Ion Ratio Lower Upper

146 100

148 63.7 51.2 76.8

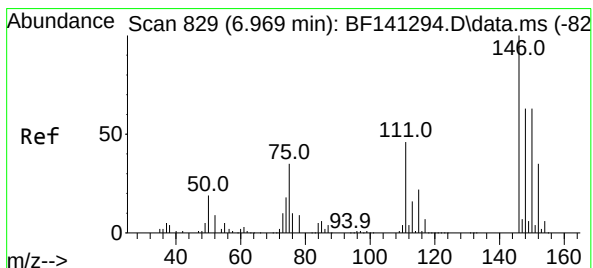
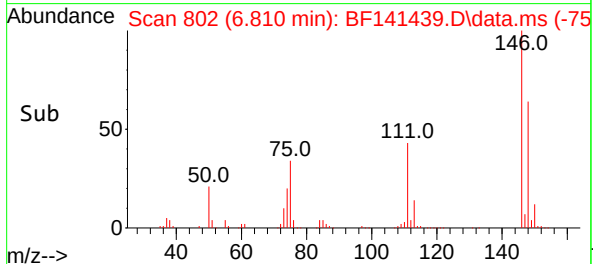
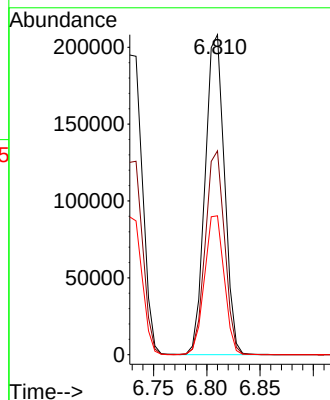
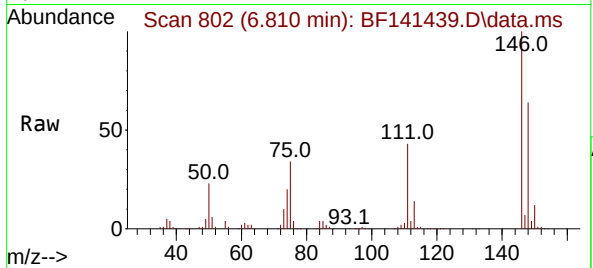
111 43.4 35.0 52.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#14

1,2-Dichlorobenzene

Concen: 46.497 ng

RT: 6.957 min Scan# 827

Delta R.T. -0.018 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

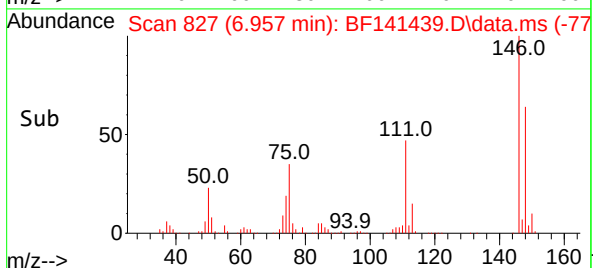
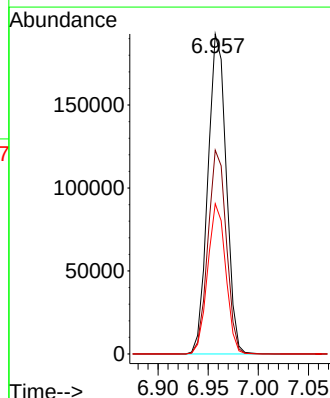
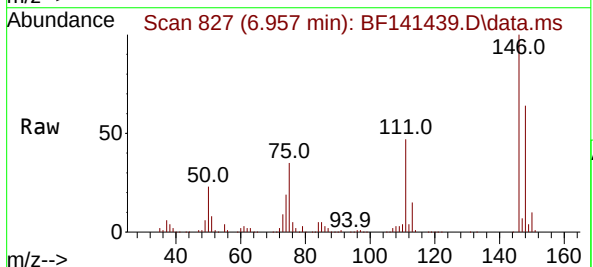
Tgt Ion:146 Resp: 245753

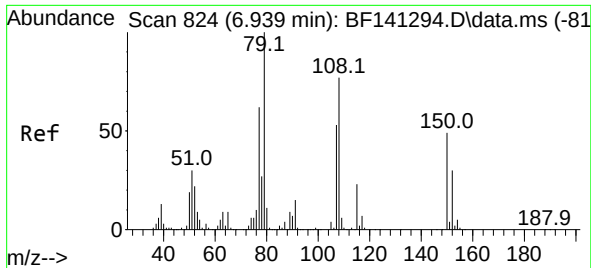
Ion Ratio Lower Upper

146 100

148 63.7 50.5 75.7

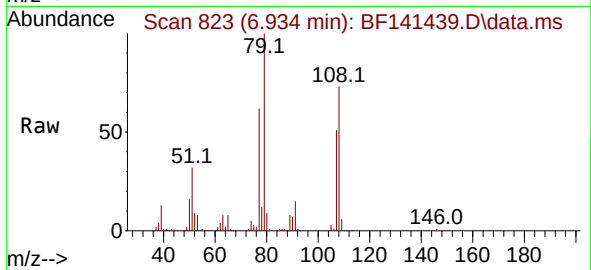
111 47.0 36.6 55.0





#15
Benzyl Alcohol
Concen: 51.793 ng
RT: 6.934 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

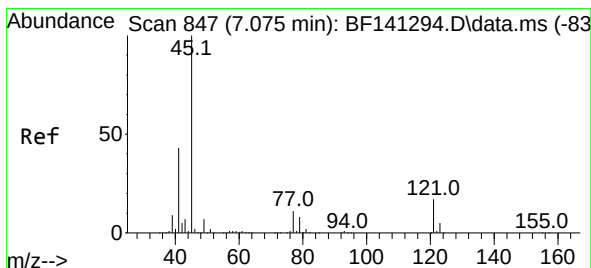
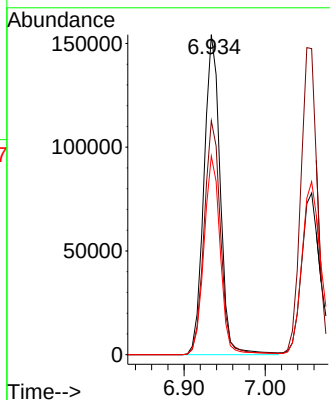
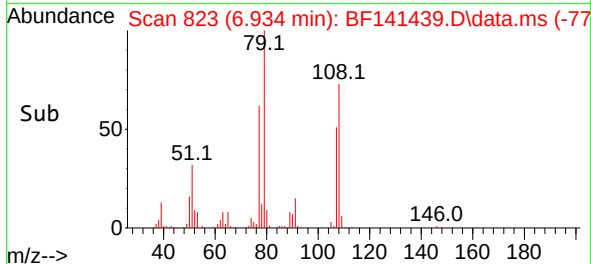
Instrument :
BNA_F
ClientSampleId :
PB166294BS



Tgt Ion: 79 Resp: 214068
Ion Ratio Lower Upper
79 100
108 73.1 61.4 92.0
77 62.1 49.9 74.9

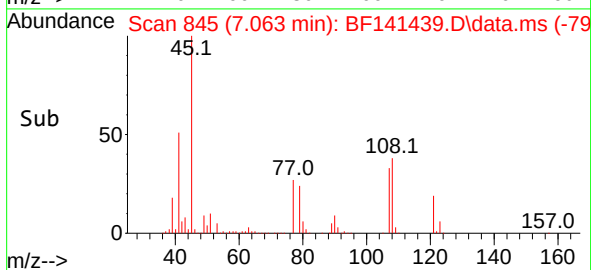
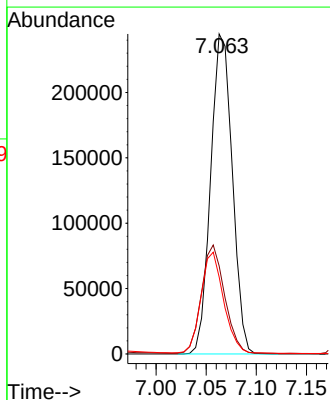
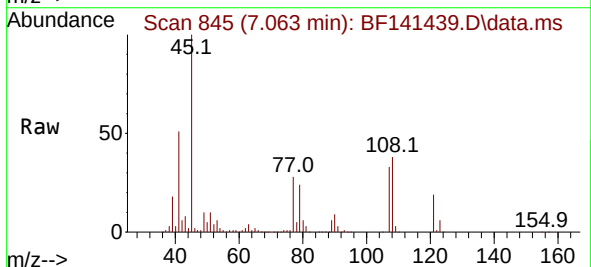
Manual Integrations
APPROVED

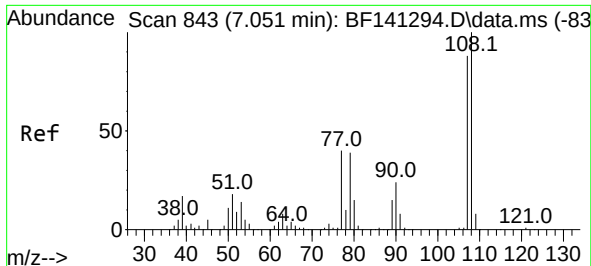
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.966 ng
RT: 7.063 min Scan# 845
Delta R.T. -0.018 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion: 45 Resp: 367278
Ion Ratio Lower Upper
45 100
77 27.5 0.0 31.8
79 24.0 0.0 29.1





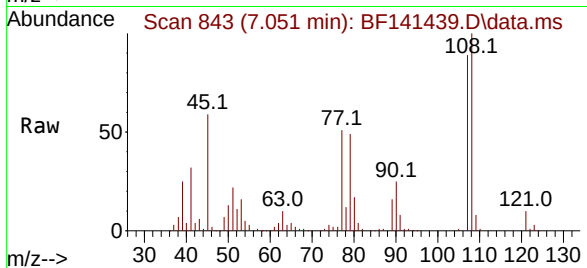
#17
2-Methylphenol
Concen: 44.752 ng
RT: 7.051 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

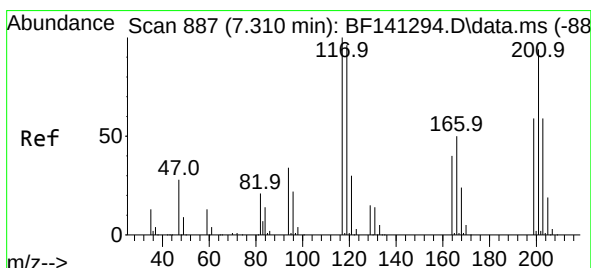
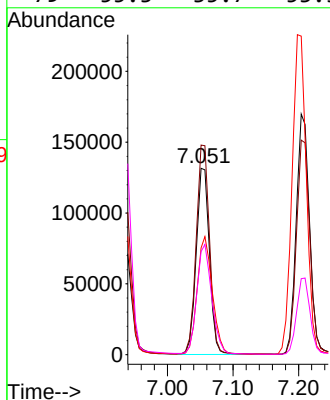
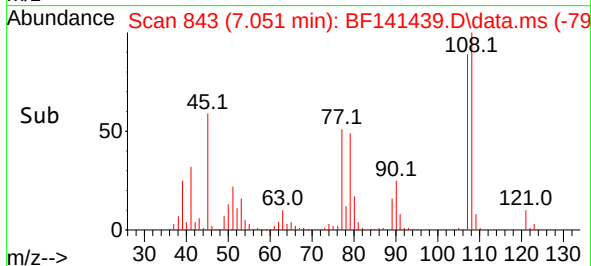


Tgt Ion:107 Resp: 185339
Ion Ratio Lower Upper
107 100
108 112.5 90.8 136.2
77 57.3 36.2 54.4
79 55.3 35.7 53.5#

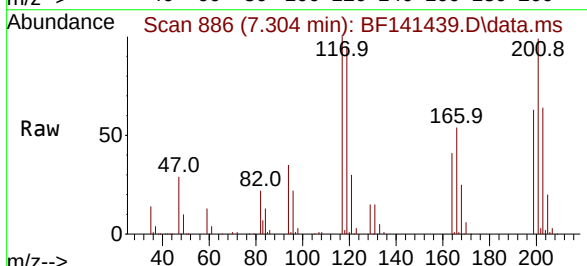
Manual Integrations

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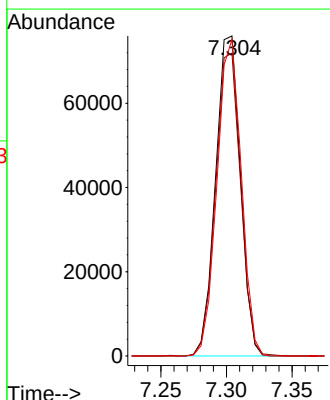
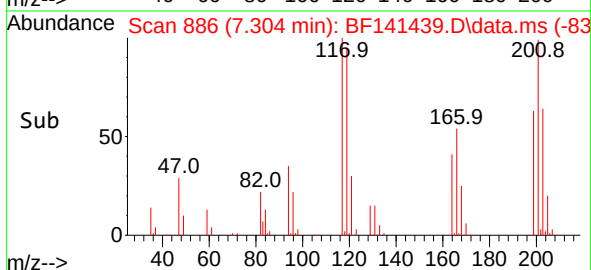
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

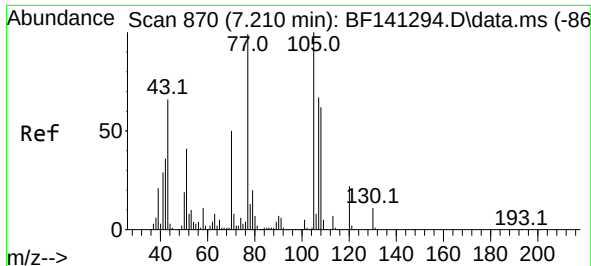


#18
Hexachloroethane
Concen: 47.931 ng
RT: 7.304 min Scan# 886
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47



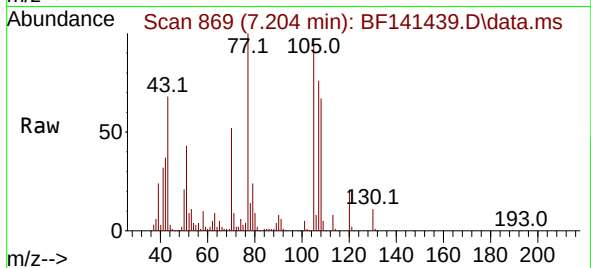
Tgt Ion:117 Resp: 99805
Ion Ratio Lower Upper
117 100
119 94.6 76.6 114.8
201 98.9 74.8 112.2





#19
n-Nitroso-di-n-propylamine
Concen: 46.816 ng
RT: 7.204 min Scan# 809
Delta R.T. -0.024 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

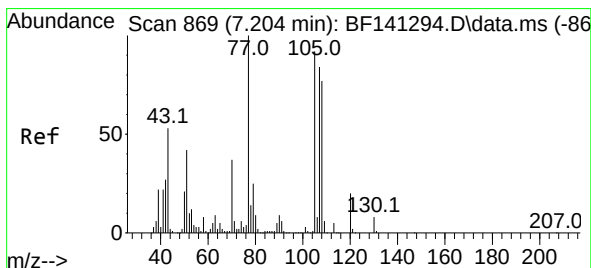
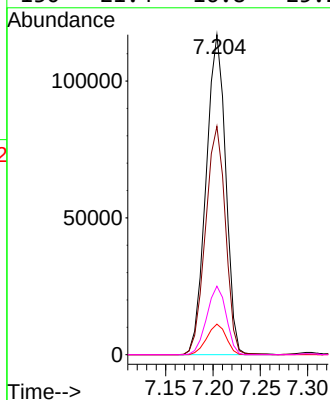
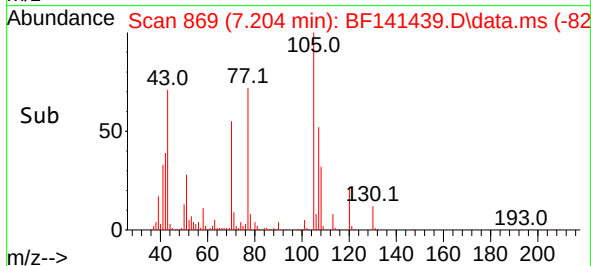
Instrument :
BNA_F
ClientSampleId :
PB166294BS



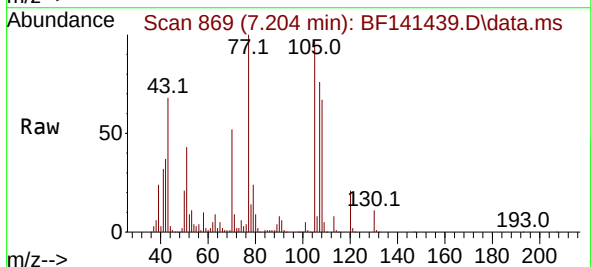
Tgt Ion: 70 Resp: 16824
Ion Ratio Lower Upper
70 100
42 71.3 56.8 85.2
101 9.6 7.7 11.5
130 21.4 16.8 25.2

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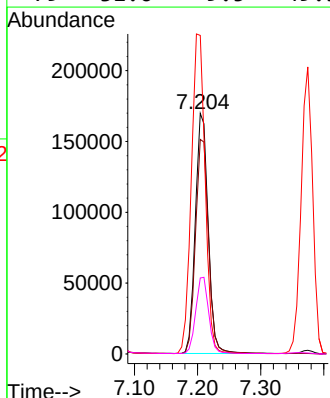
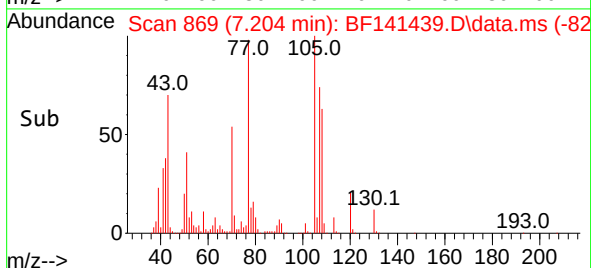
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

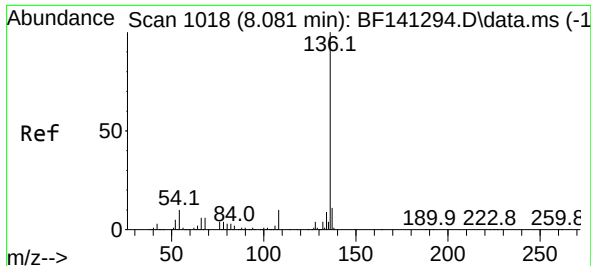


#20
3+4-Methylphenols
Concen: 47.083 ng
RT: 7.204 min Scan# 869
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47



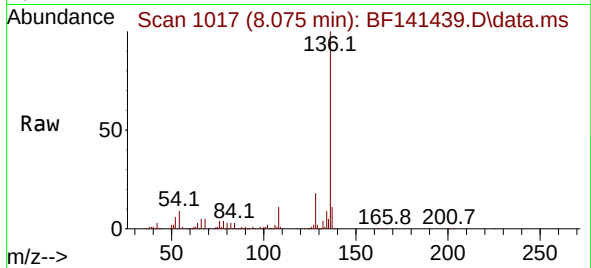
Tgt Ion:107 Resp: 239419
Ion Ratio Lower Upper
107 100
108 89.2 70.9 110.9
77 132.4 98.5 138.5
79 31.6 9.5 49.5





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.075 min Scan# 1018
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

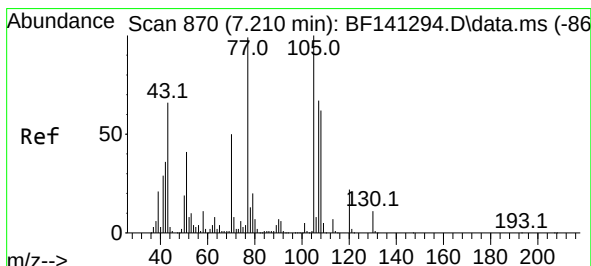
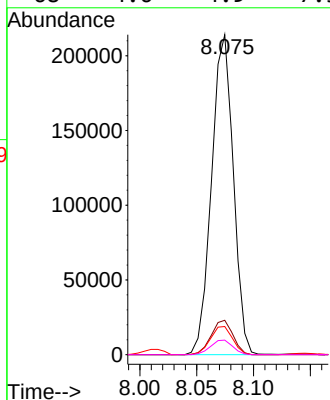
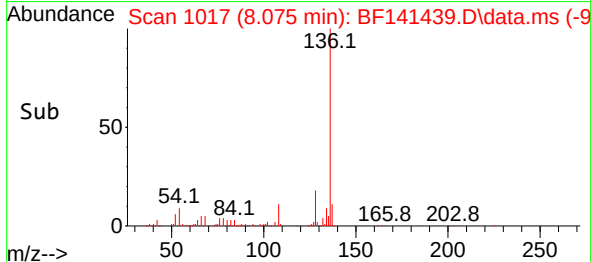
Instrument :
BNA_F
ClientSampleId :
PB166294BS



Tgt Ion:136 Resp: 28562
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 8.8 7.8 11.8
68 4.6 4.9 7.3#

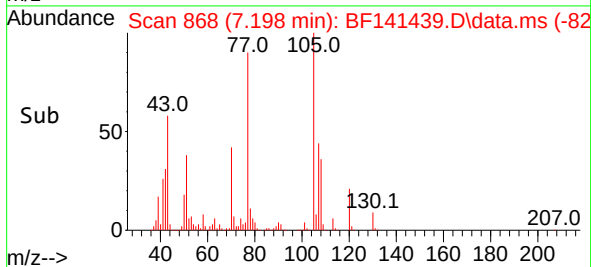
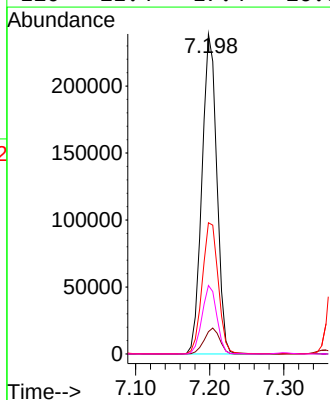
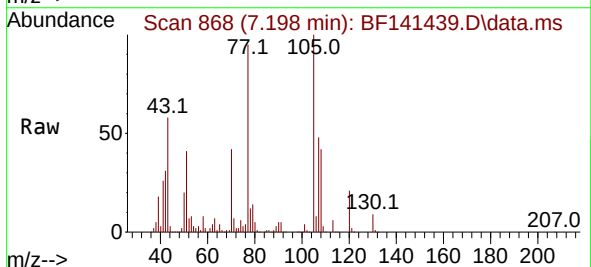
Manual Integrations
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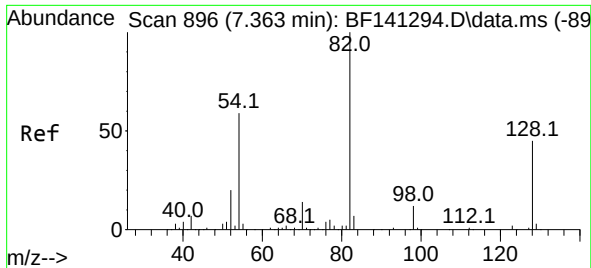
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#22
Acetophenone
Concen: 49.051 ng
RT: 7.198 min Scan# 868
Delta R.T. -0.018 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:105 Resp: 333018
Ion Ratio Lower Upper
105 100
71 6.9 6.8 10.2
51 41.0 32.6 49.0
120 21.4 17.4 26.0





#23

Nitrobenzene-d5

Concen: 95.086 ng

RT: 7.357 min Scan# 896

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

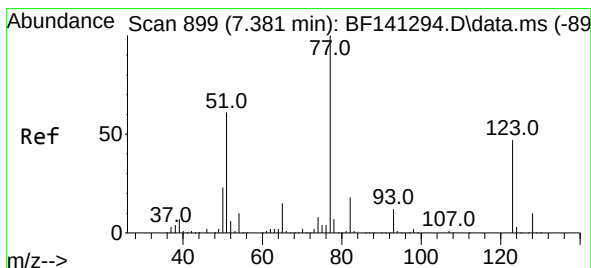
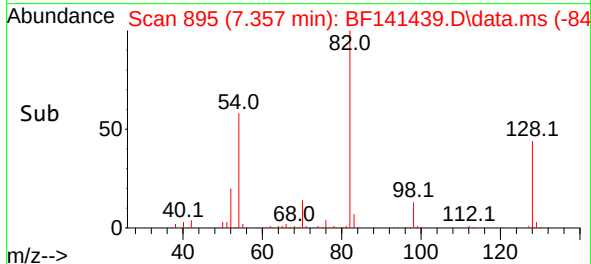
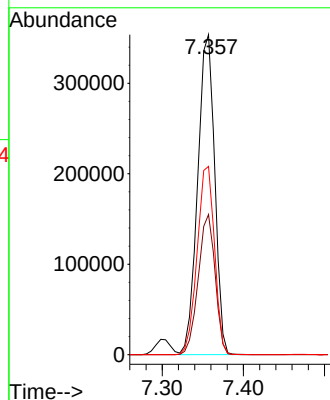
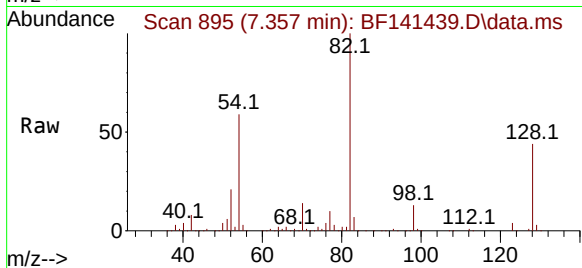
PB166294BS

Tgt Ion: 82 Resp: 51518
 Ion Ratio Lower Upper
 82 100
 128 43.8 35.7 53.5
 54 58.9 47.1 70.7

Manual Integrations

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Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025



#24

Nitrobenzene

Concen: 45.849 ng

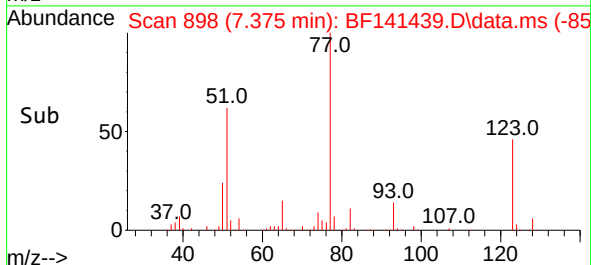
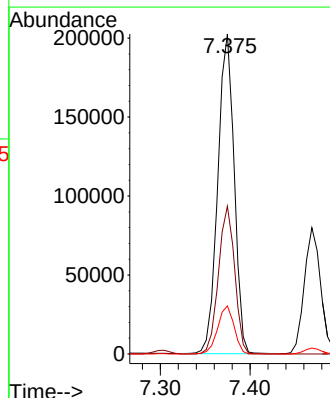
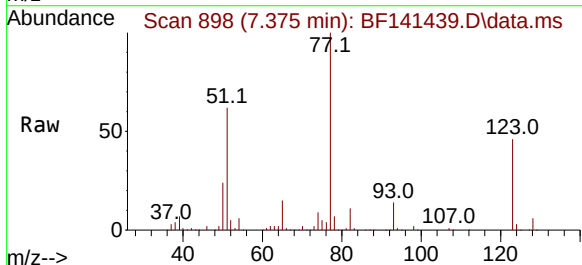
RT: 7.375 min Scan# 898

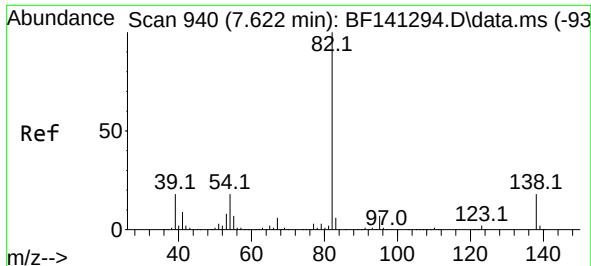
Delta R.T. -0.018 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Tgt Ion: 77 Resp: 257434
 Ion Ratio Lower Upper
 77 100
 123 46.2 37.3 55.9
 65 15.0 11.8 17.6





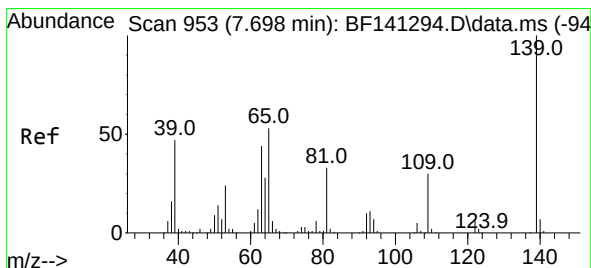
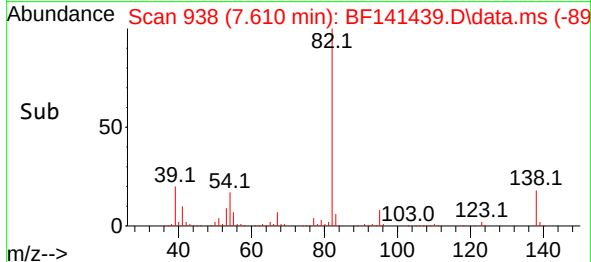
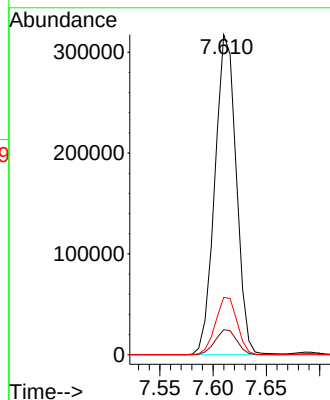
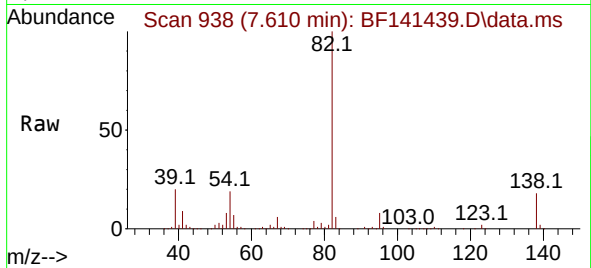
#25
Isophorone
Concen: 47.245 ng
RT: 7.610 min Scan# 91
Delta R.T. -0.018 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Instrument :
BNA_F
ClientSampleId :
PB166294BS

Tgt Ion: 82 Resp: 44248
Ion Ratio Lower Upper
82 100
95 7.8 5.8 8.6
138 17.9 14.7 22.1

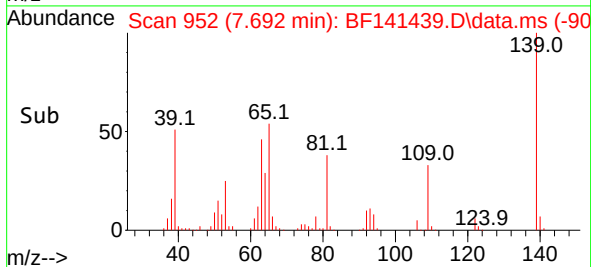
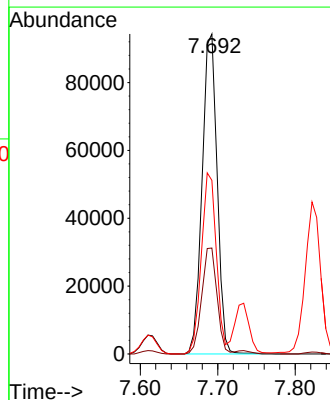
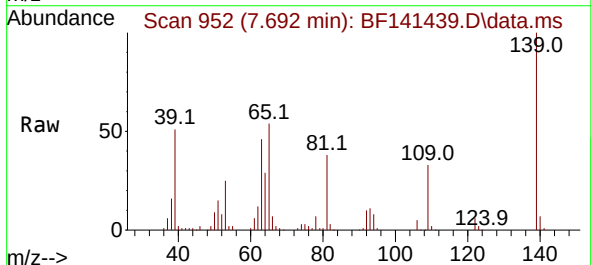
Manual Integrations
APPROVED

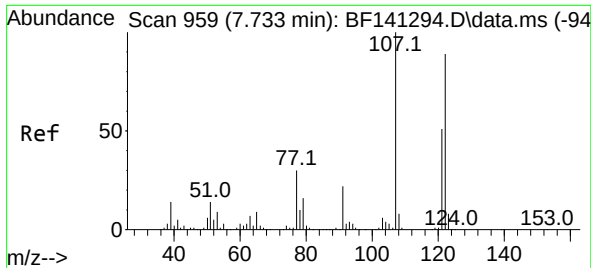
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#26
2-Nitrophenol
Concen: 47.983 ng
RT: 7.692 min Scan# 952
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:139 Resp: 127059
Ion Ratio Lower Upper
139 100
109 33.1 23.8 35.6
65 54.2 42.2 63.4





#27

2,4-Dimethylphenol

Concen: 54.764 ng m

RT: 7.733 min Scan# 91

Delta R.T. -0.006 min

Lab File: BF141439.D

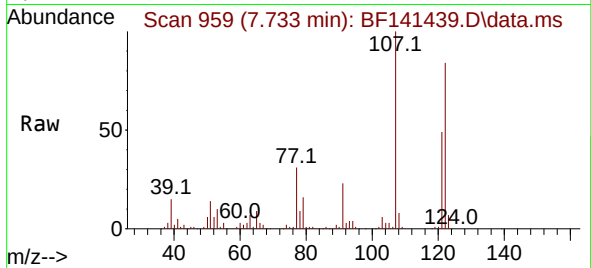
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS



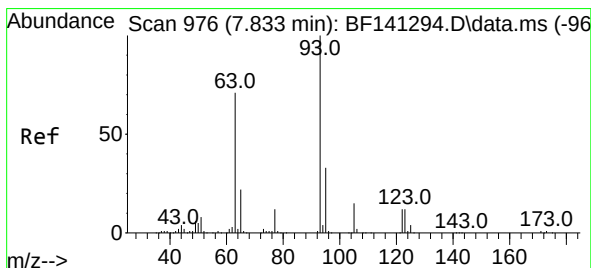
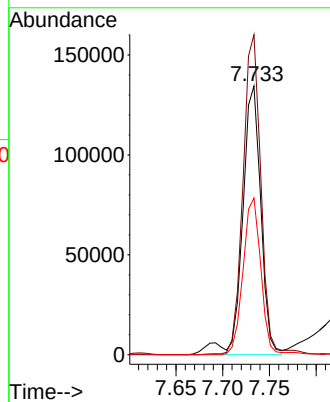
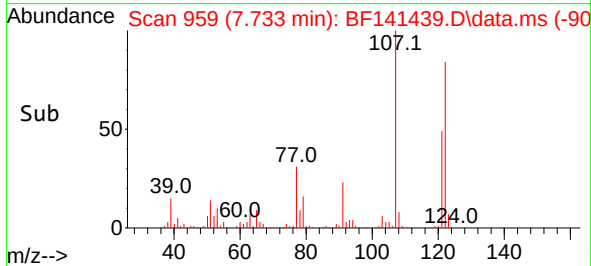
Tgt Ion:	122	Resp:	18458
Ion Ratio	Lower	Upper	
122	100		
107	119.1	89.9	134.9
121	58.3	46.1	69.1

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#28

bis(2-Chloroethoxy)methane

Concen: 43.985 ng

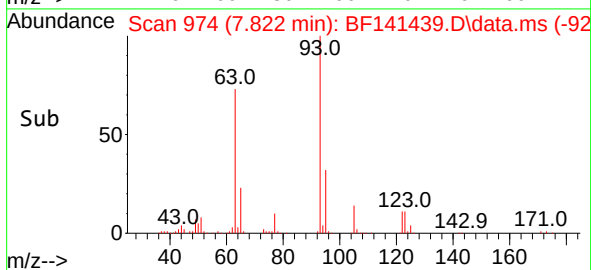
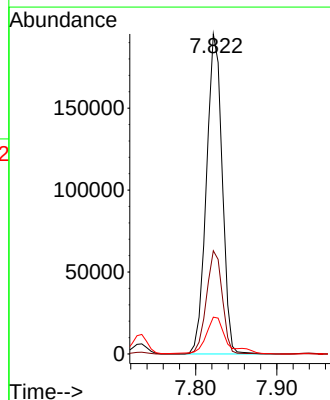
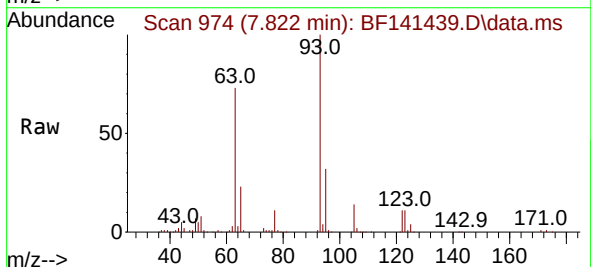
RT: 7.822 min Scan# 974

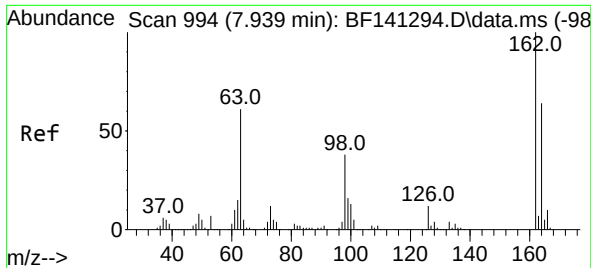
Delta R.T. -0.018 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Tgt Ion:	93	Resp:	262769
Ion Ratio	Lower	Upper	
93	100		
95	32.3	26.2	39.2
123	11.5	10.2	15.4





#29

2,4-Dichlorophenol

Concen: 47.784 ng

RT: 7.939 min Scan# 994

Delta R.T. -0.006 min

Lab File: BF141439.D

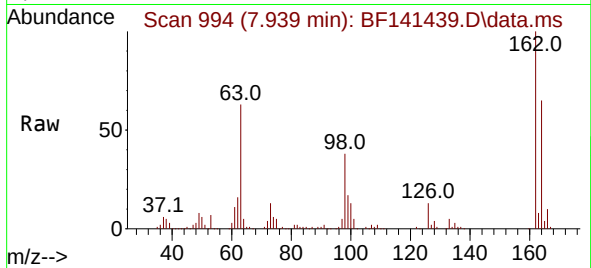
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS



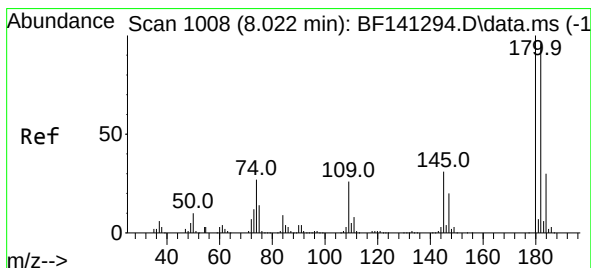
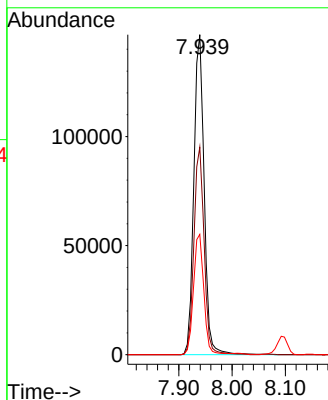
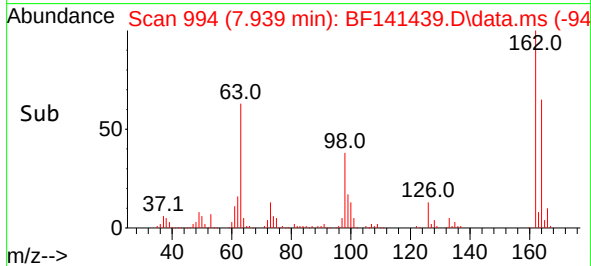
Tgt Ion:162	Resp:	197168
Ion Ratio	Lower	Upper
162	100	
164	64.8	44.2 84.2
98	37.6	18.2 58.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#30

1,2,4-Trichlorobenzene

Concen: 45.347 ng

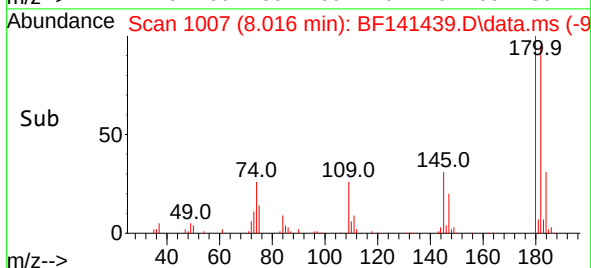
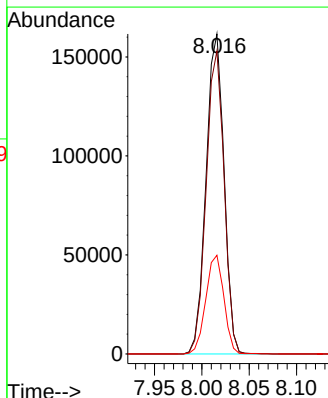
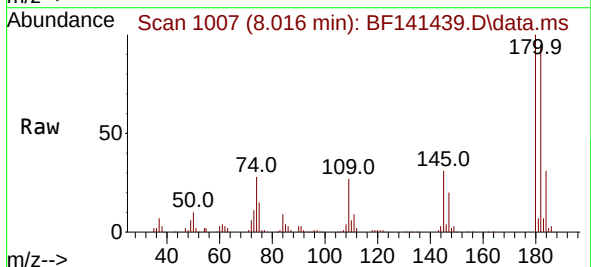
RT: 8.016 min Scan# 1007

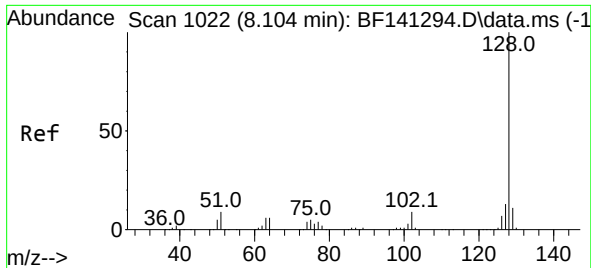
Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Tgt Ion:180	Resp:	213686
Ion Ratio	Lower	Upper
180	100	
182	94.7	76.4 114.6
145	30.8	24.9 37.3





#31
Naphthalene
Concen: 45.810 ng
RT: 8.092 min Scan# 1022
Delta R.T. -0.018 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

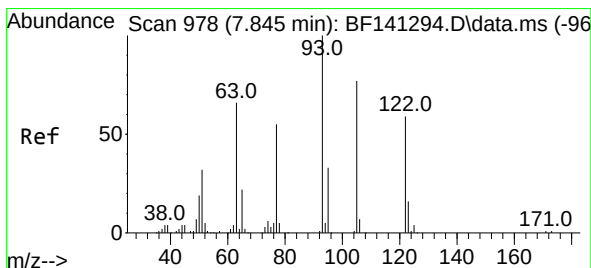
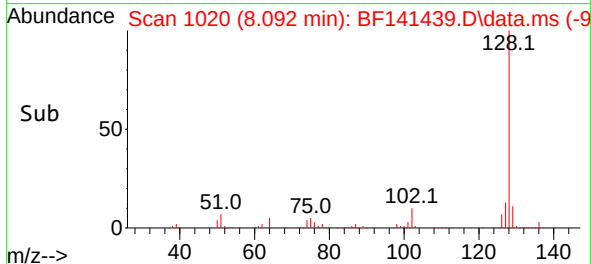
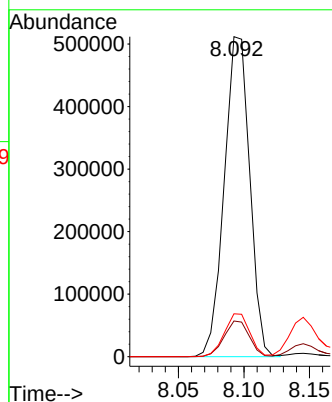
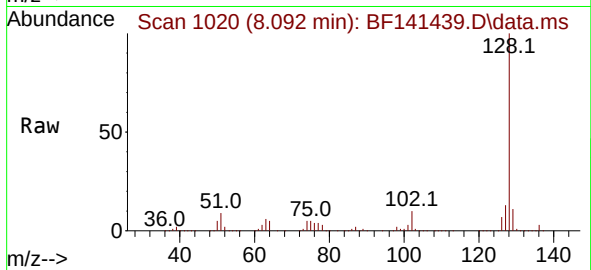
PB166294BS

Tgt Ion:128 Resp: 691208
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 13.4 10.6 15.8

Manual Integrations

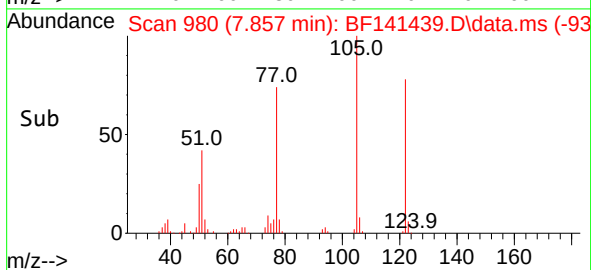
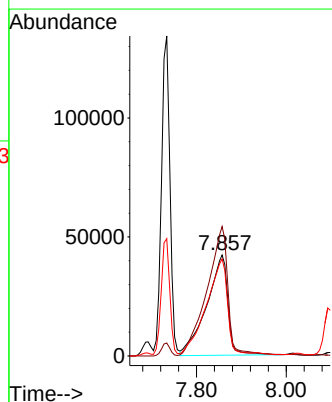
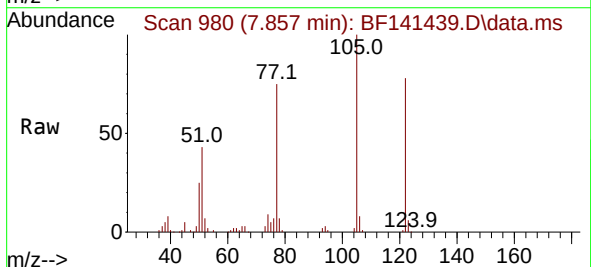
APPROVED

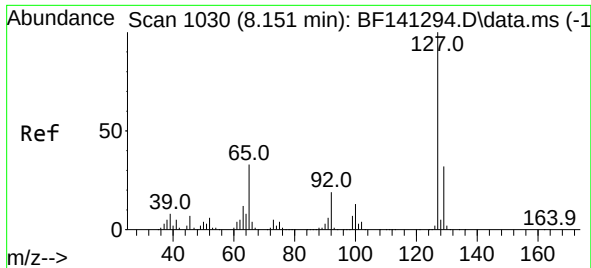
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#32
Benzoic acid
Concen: 44.774 ng
RT: 7.857 min Scan# 980
Delta R.T. -0.024 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:122 Resp: 138729
Ion Ratio Lower Upper
122 100
105 128.1 103.4 143.4
77 96.0 70.9 110.9





#33
4-Chloroaniline
Concen: 21.491 ng
RT: 8.145 min Scan# 1029
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

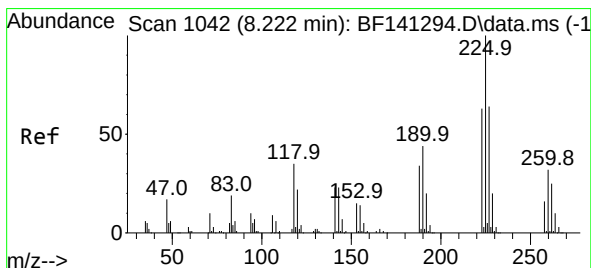
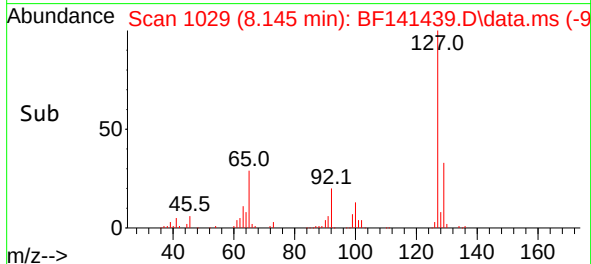
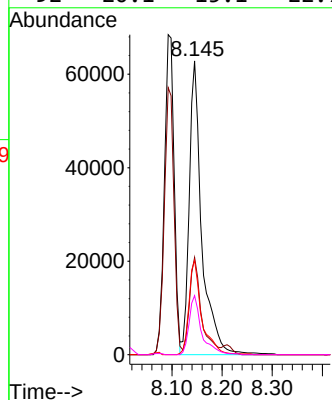
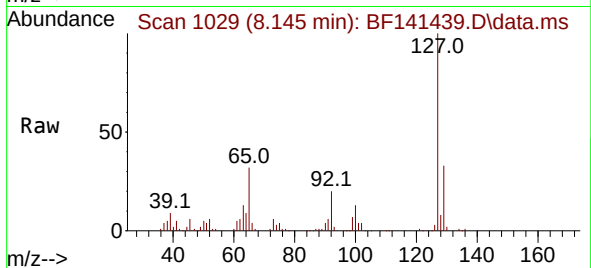
ClientSampleId :

PB166294BS

Tgt Ion:127 Resp: 10996
Ion Ratio Lower Upper
127 100
129 33.1 25.7 38.5
65 32.2 26.4 39.6
92 20.1 15.1 22.7

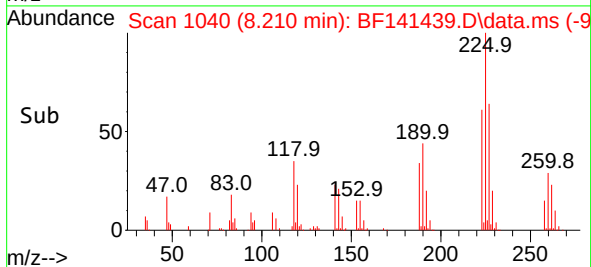
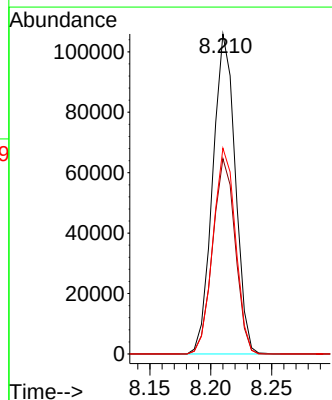
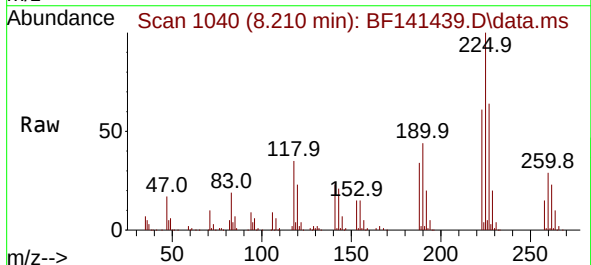
Manual Integrations
APPROVED

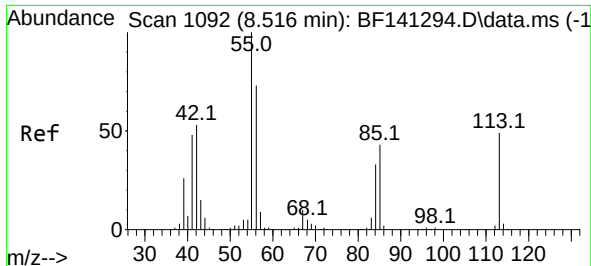
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#34
Hexachlorobutadiene
Concen: 49.340 ng
RT: 8.210 min Scan# 1040
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:225 Resp: 136347
Ion Ratio Lower Upper
225 100
223 61.1 50.4 75.6
227 64.3 51.3 76.9





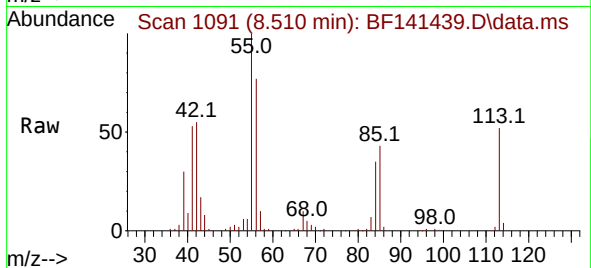
#35
Caprolactam
Concen: 46.162 ng m
RT: 8.510 min Scan# 1109
Delta R.T. -0.035 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

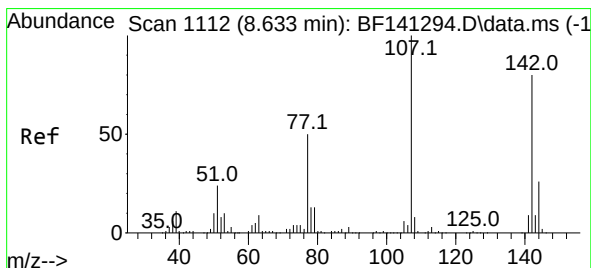
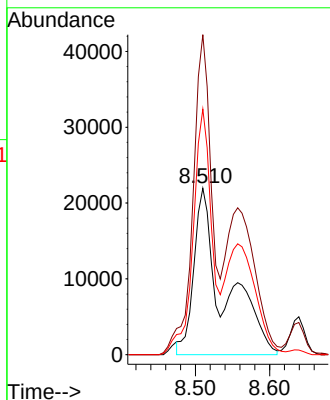
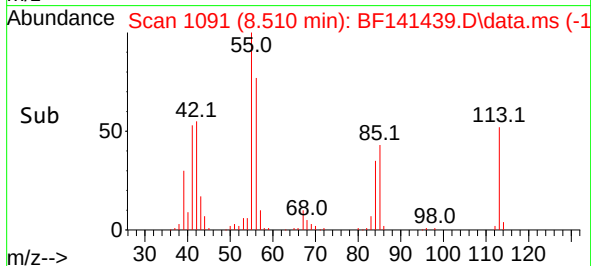


Tgt Ion:113 Resp: 6220
Ion Ratio Lower Upper
113 100
55 192.3 182.9 222.9
56 147.6 127.9 167.9

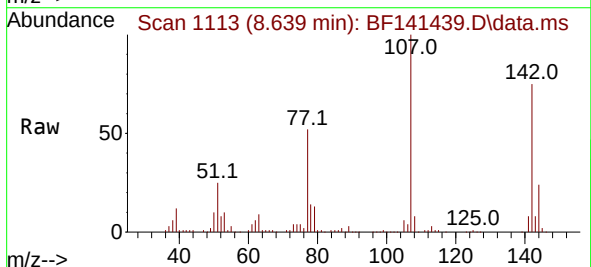
Manual Integrations

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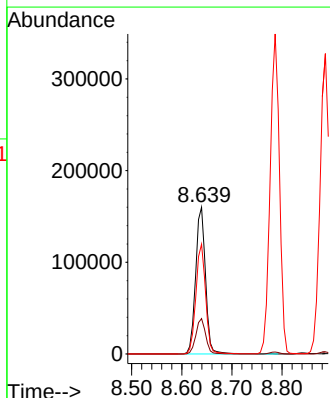
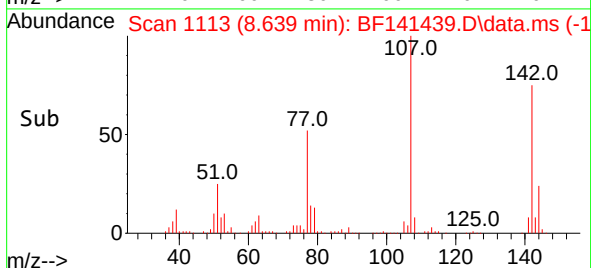
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

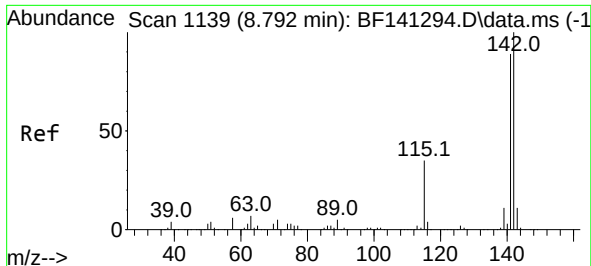


#36
4-Chloro-3-methylphenol
Concen: 49.249 ng
RT: 8.639 min Scan# 1113
Delta R.T. -0.000 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47



Tgt Ion:107 Resp: 217975
Ion Ratio Lower Upper
107 100
144 24.2 20.7 31.1
142 74.8 63.8 95.8





#37

2-Methylnaphthalene

Concen: 46.970 ng

RT: 8.786 min Scan# 1138

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

Tgt Ion:142 Resp: 45044

Ion Ratio Lower Upper

142 100

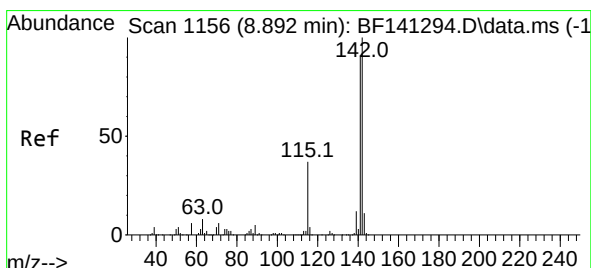
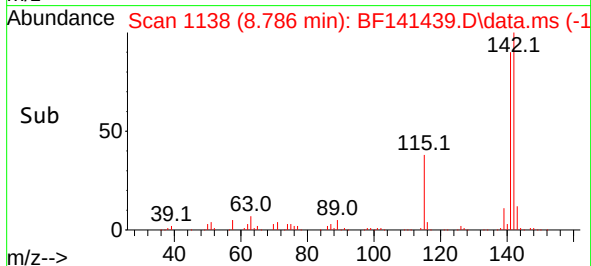
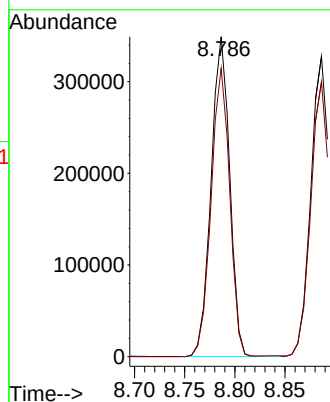
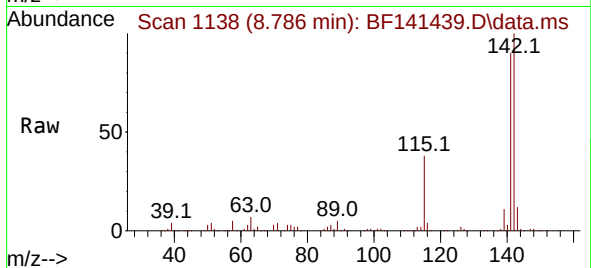
141 90.1 71.3 106.9

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#38

1-Methylnaphthalene

Concen: 44.773 ng

RT: 8.886 min Scan# 1155

Delta R.T. -0.012 min

Lab File: BF141439.D

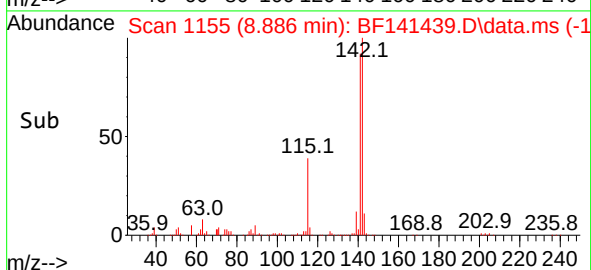
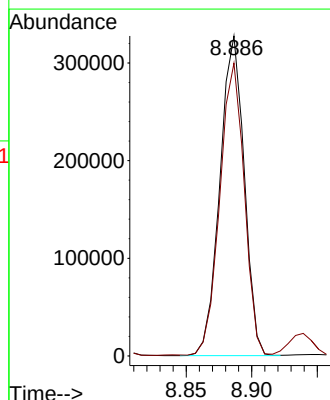
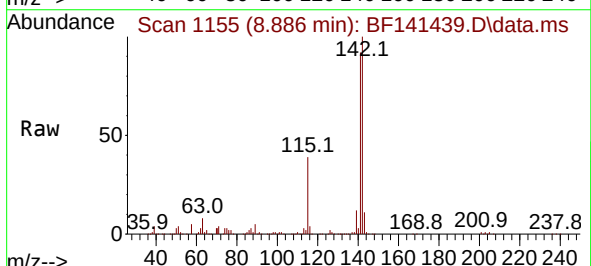
Acq: 05 Feb 2025 11:47

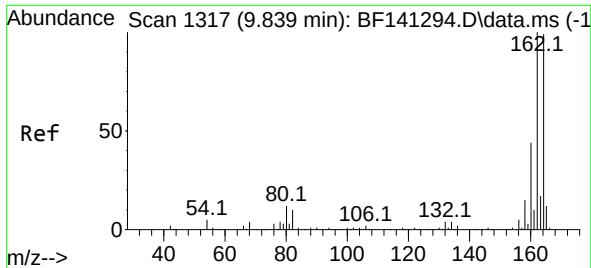
Tgt Ion:142 Resp: 421785

Ion Ratio Lower Upper

142 100

141 91.5 73.2 109.8





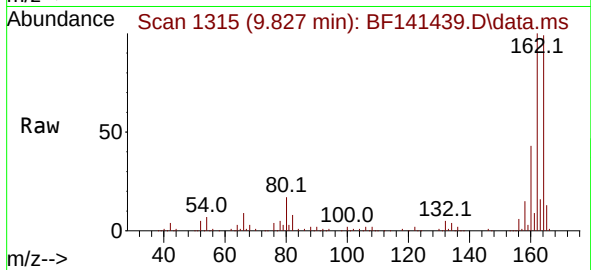
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.827 min Scan# 1165
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

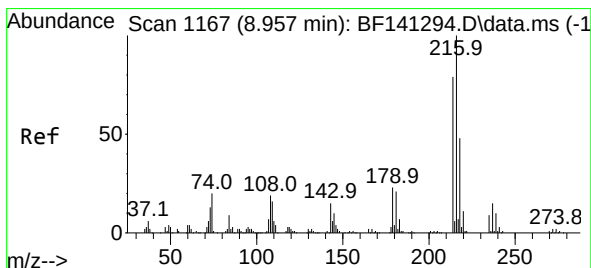
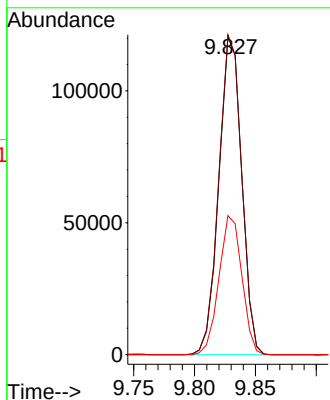
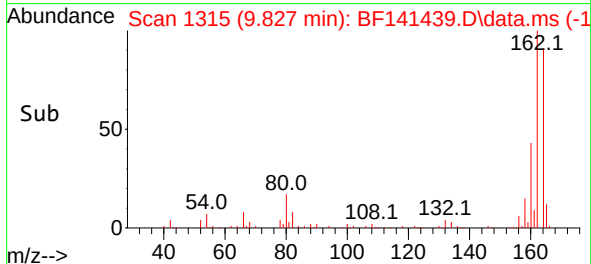


Tgt Ion:164 Resp: 157073
Ion Ratio Lower Upper
164 100
162 100.6 80.6 121.0
160 43.7 35.8 53.6

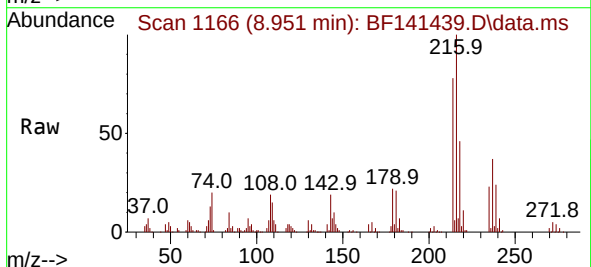
Manual Integrations

APPROVED

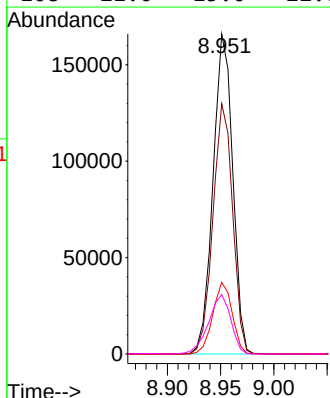
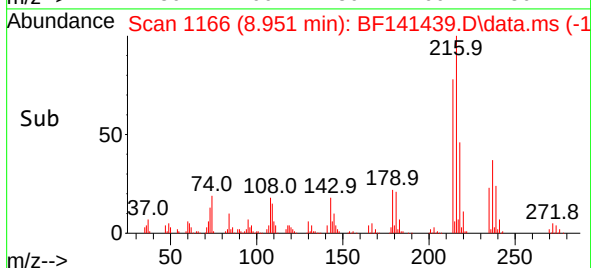
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

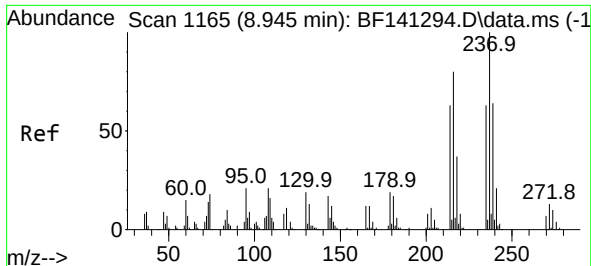


#40
1,2,4,5-Tetrachlorobenzene
Concen: 47.747 ng
RT: 8.951 min Scan# 1166
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47



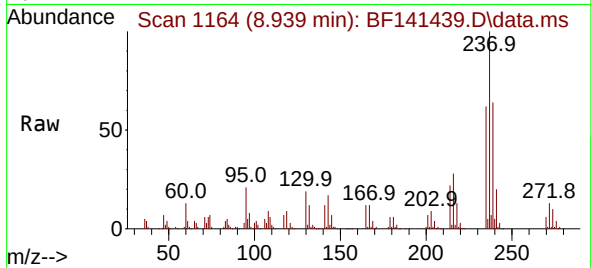
Tgt Ion:216 Resp: 213361
Ion Ratio Lower Upper
216 100
214 78.1 63.2 94.8
179 22.0 17.8 26.8
108 21.0 15.0 22.6





#41
Hexachlorocyclopentadiene
Concen: 184.182 ng
RT: 8.939 min Scan# 1164
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

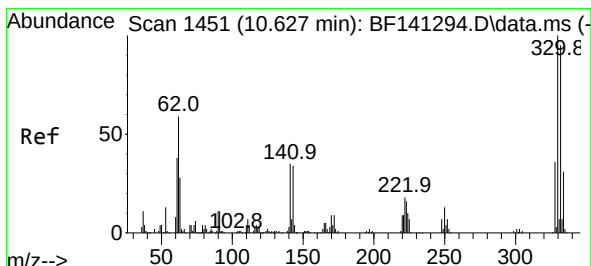
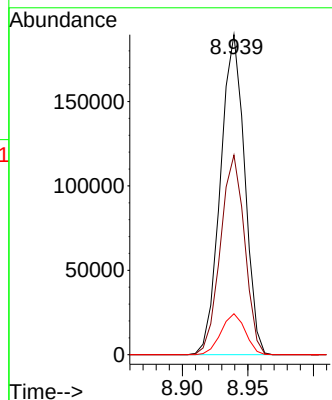
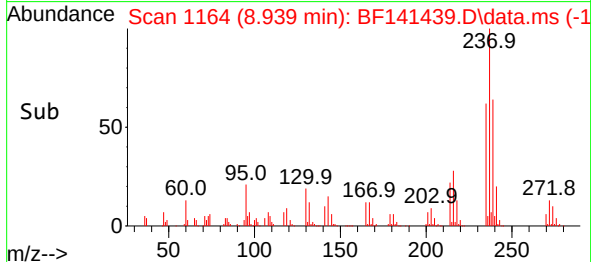
Instrument :
BNA_F
ClientSampleId :
PB166294BS



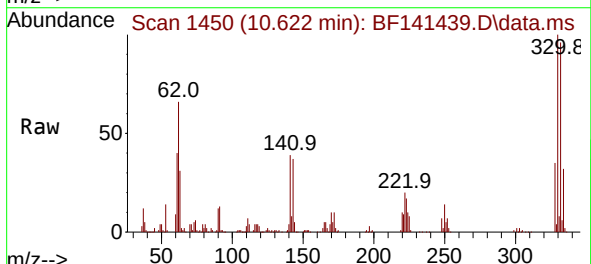
Tgt Ion:237 Resp: 24306
Ion Ratio Lower Upper
237 100
235 62.3 42.9 82.9
272 12.8 0.0 32.8

Manual Integrations
APPROVED

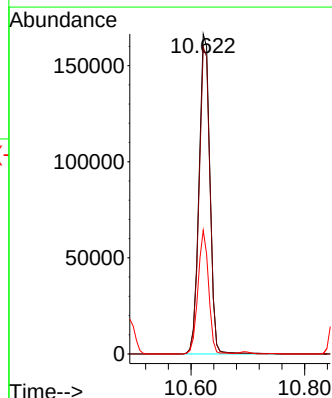
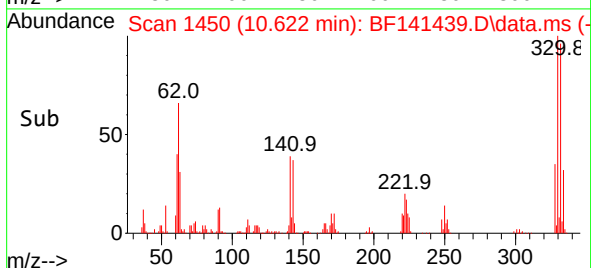
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

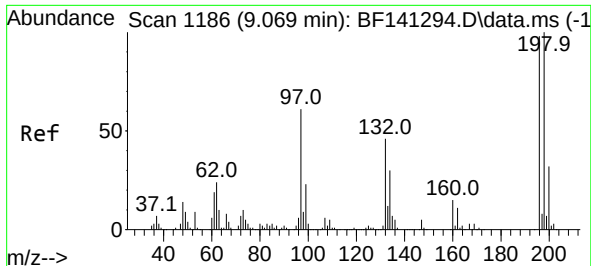


#42
2,4,6-Tribromophenol
Concen: 154.841 ng
RT: 10.622 min Scan# 1450
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47



Tgt Ion:330 Resp: 222970
Ion Ratio Lower Upper
330 100
332 95.7 76.1 114.1
141 37.4 28.8 43.2





#43

2,4,6-Trichlorophenol

Concen: 47.690 ng

RT: 9.069 min Scan# 1186

Delta R.T. -0.006 min

Lab File: BF141439.D

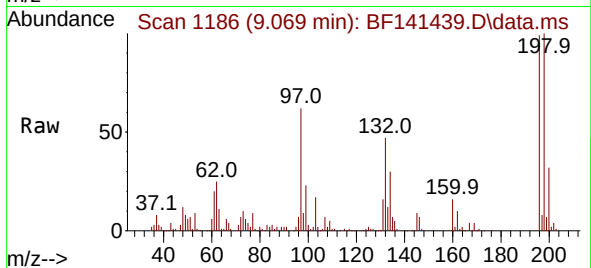
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS



Tgt Ion:196 Resp: 139484

Ion Ratio Lower Upper

196 100

198 100.9 81.8 122.6

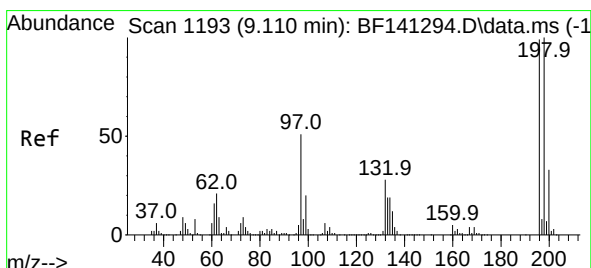
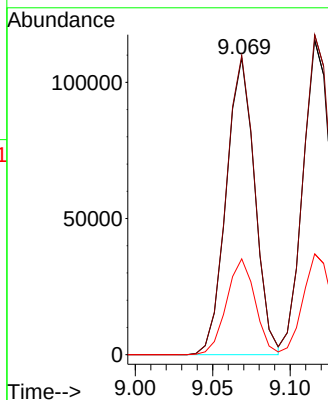
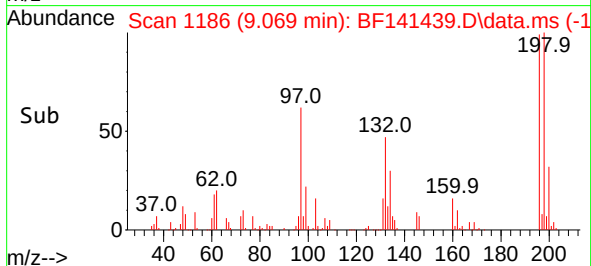
200 32.3 26.3 39.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#44

2,4,5-Trichlorophenol

Concen: 46.613 ng

RT: 9.116 min Scan# 1194

Delta R.T. -0.000 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Tgt Ion:196 Resp: 148386

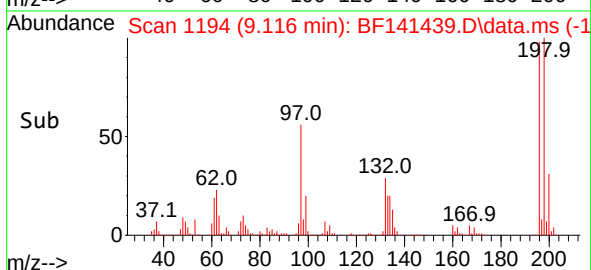
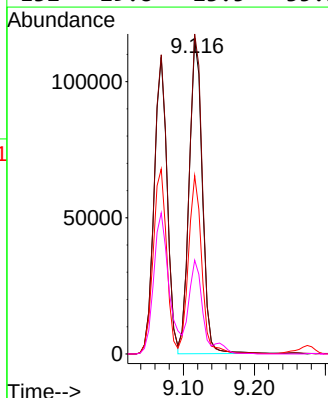
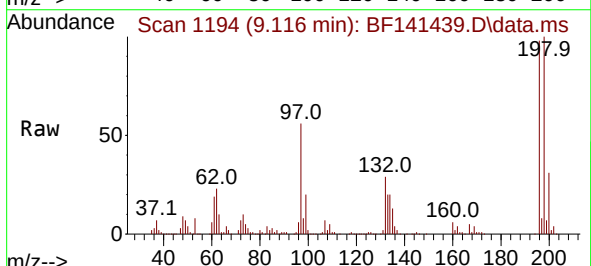
Ion Ratio Lower Upper

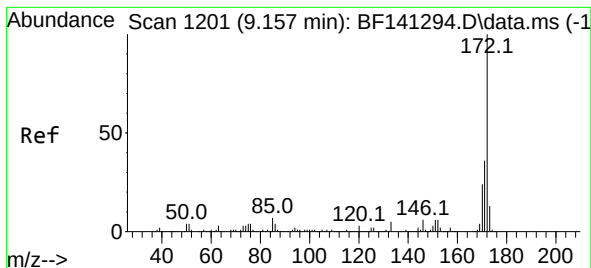
196 100

198 101.7 80.5 120.7

97 56.7 42.8 64.2

132 29.8 23.5 35.3





#45

2-Fluorobiphenyl

Concen: 93.540 ng

RT: 9.151 min Scan# 11

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

Tgt Ion:172 Resp: 95457

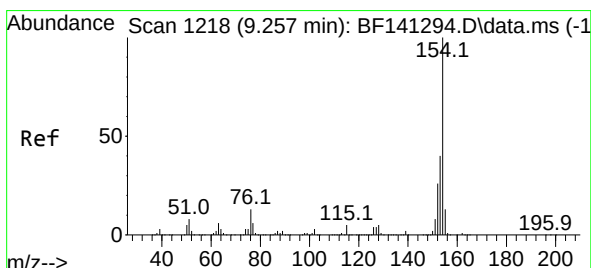
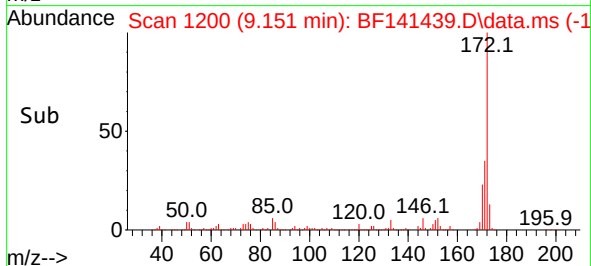
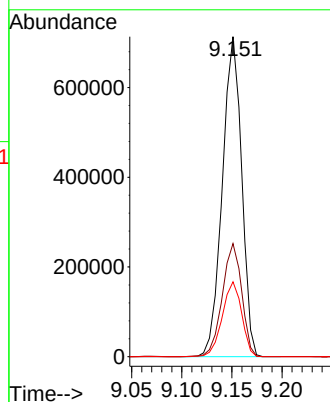
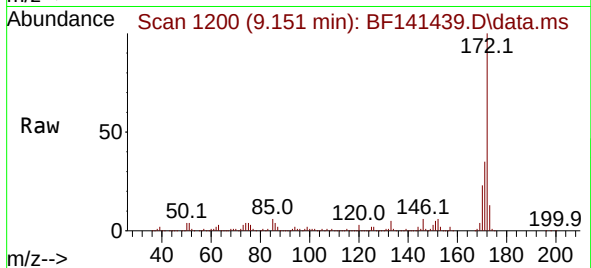
Ion	Ratio	Lower	Upper
172	100		
171	35.4	28.8	43.2
170	23.4	19.0	28.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#46

1,1'-Biphenyl

Concen: 46.418 ng

RT: 9.251 min Scan# 1217

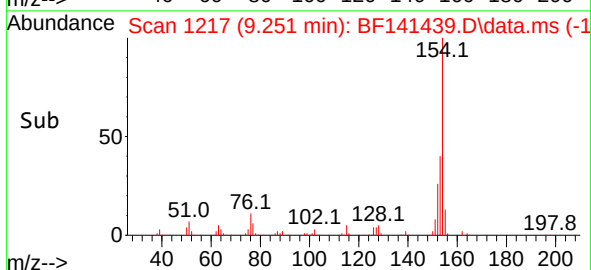
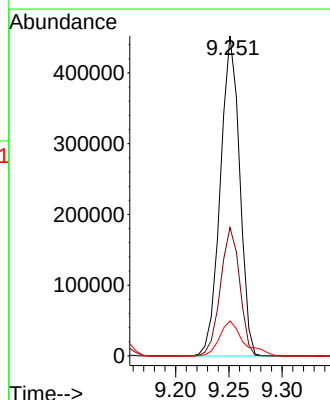
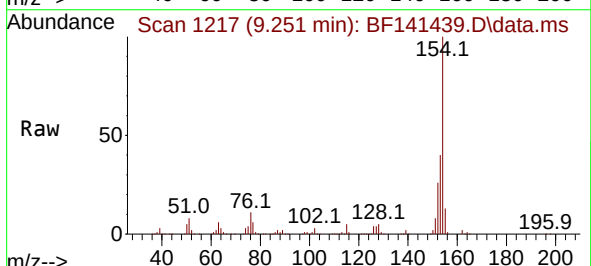
Delta R.T. -0.012 min

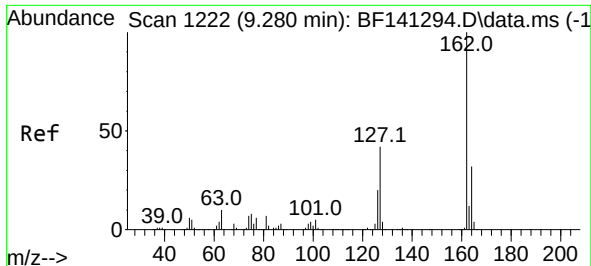
Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Tgt Ion:154 Resp: 568607

Ion	Ratio	Lower	Upper
154	100		
153	40.2	20.0	60.0
76	11.0	0.0	32.8





#47

2-Chloronaphthalene

Concen: 44.705 ng

RT: 9.275 min Scan# 1222

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

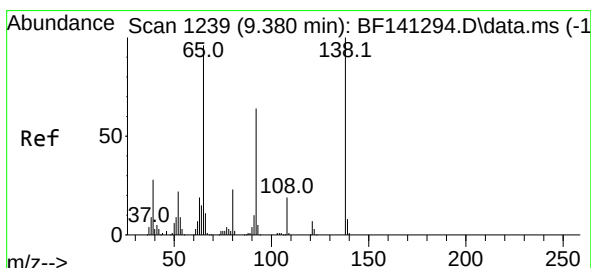
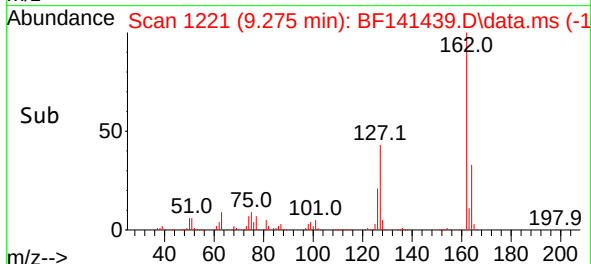
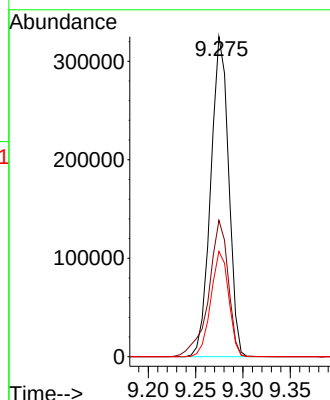
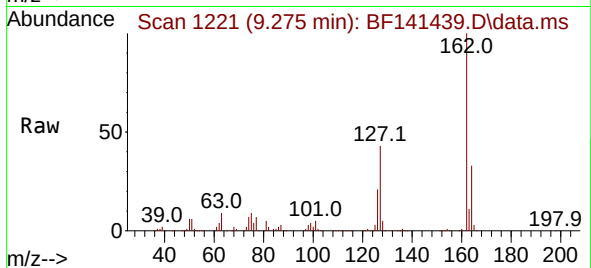
ClientSampleId :

PB166294BS

Tgt Ion:162 Resp: 426849
 Ion Ratio Lower Upper
 162 100
 127 42.6 33.7 50.5
 164 32.9 25.9 38.9

Manual Integrations
 APPROVED

Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025



#48

2-Nitroaniline

Concen: 49.051 ng

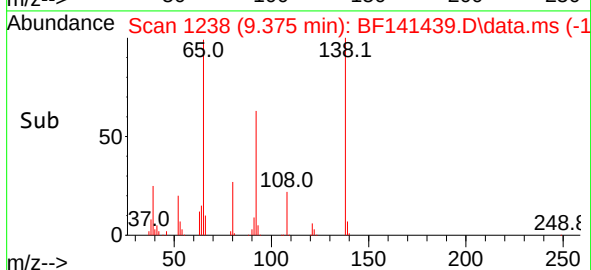
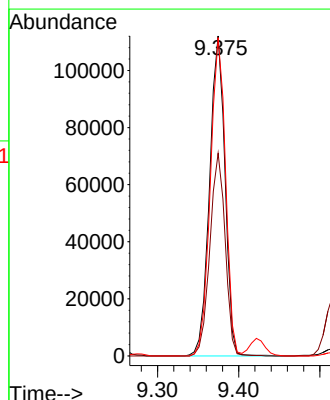
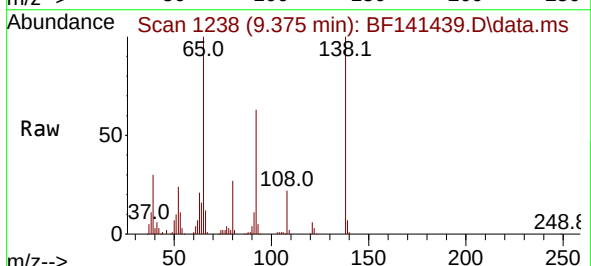
RT: 9.375 min Scan# 1238

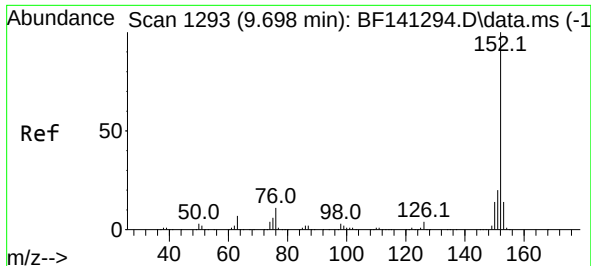
Delta R.T. -0.006 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Tgt Ion: 65 Resp: 147311
 Ion Ratio Lower Upper
 65 100
 92 63.4 53.3 79.9
 138 99.5 83.6 125.4





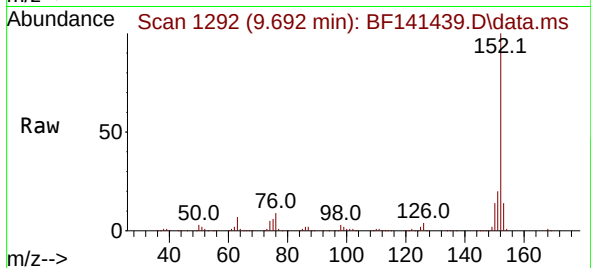
#49
Acenaphthylene
Concen: 49.100 ng
RT: 9.692 min Scan# 1292
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

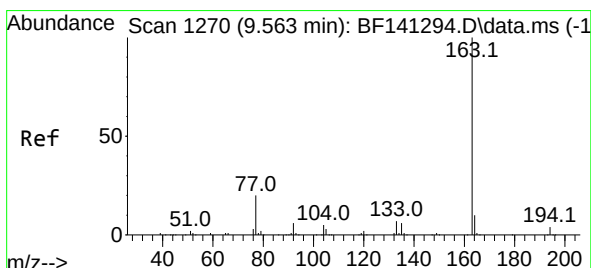
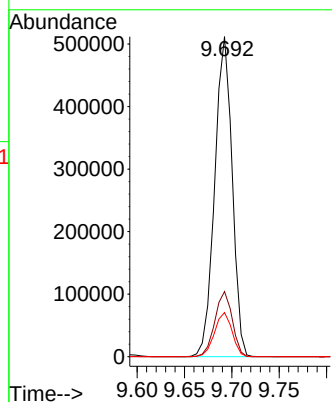
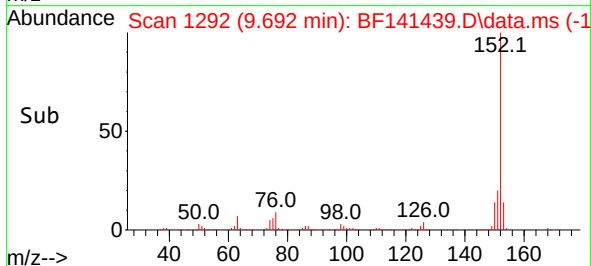


Tgt Ion:152 Resp: 656250
Ion Ratio Lower Upper
152 100
151 20.3 16.2 24.2
153 13.8 11.0 16.6

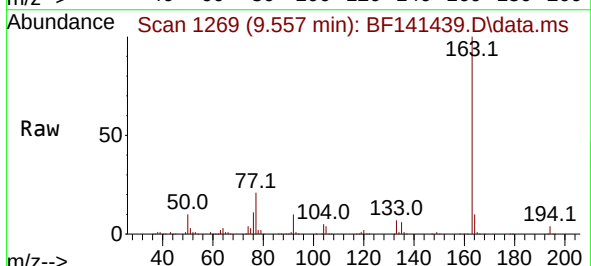
Manual Integrations

APPROVED

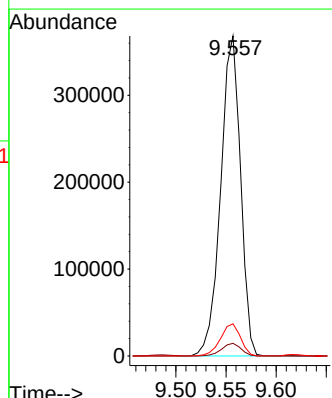
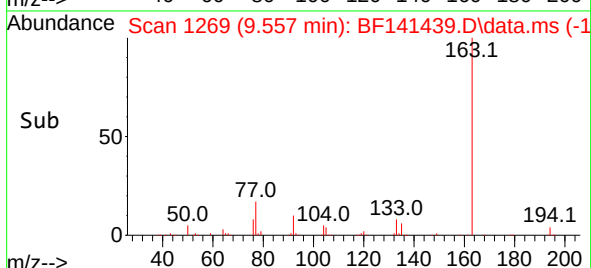
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

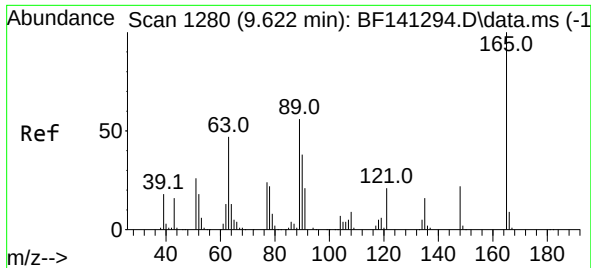


#50
Dimethylphthalate
Concen: 47.568 ng
RT: 9.557 min Scan# 1269
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47



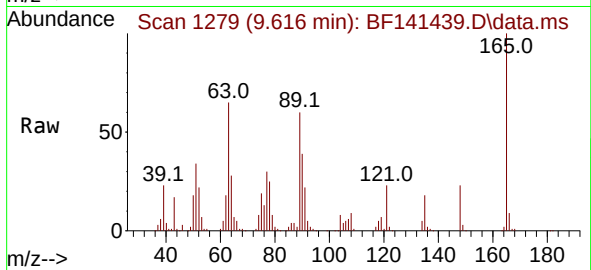
Tgt Ion:163 Resp: 504634
Ion Ratio Lower Upper
163 100
194 4.0 3.0 4.6
164 10.0 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 44.859 ng
RT: 9.616 min Scan# 1279
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

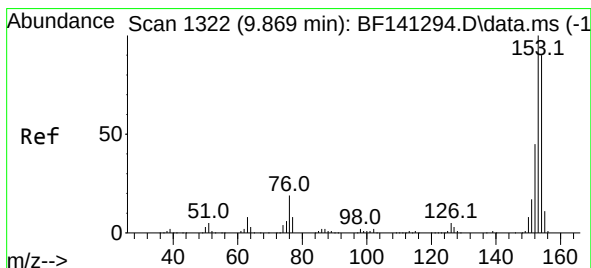
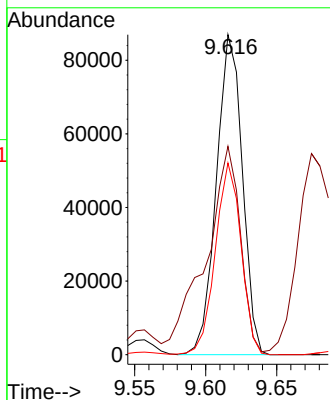
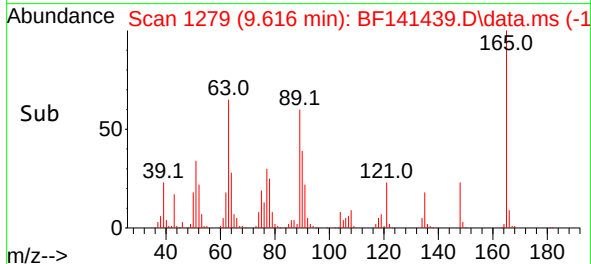
Instrument :
BNA_F
ClientSampleId :
PB166294BS



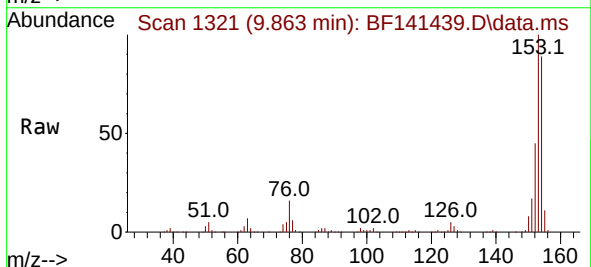
Tgt Ion:165 Resp: 110490
Ion Ratio Lower Upper
165 100
63 65.1 48.1 72.1
89 59.9 44.9 67.3

Manual Integrations
APPROVED

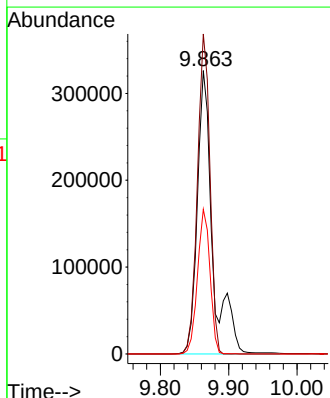
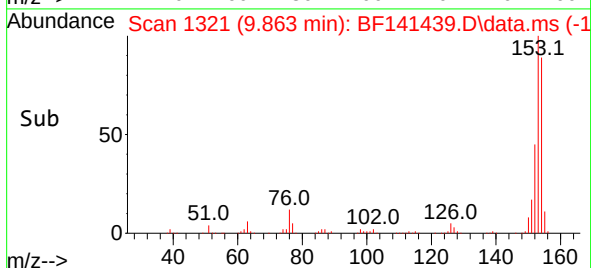
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

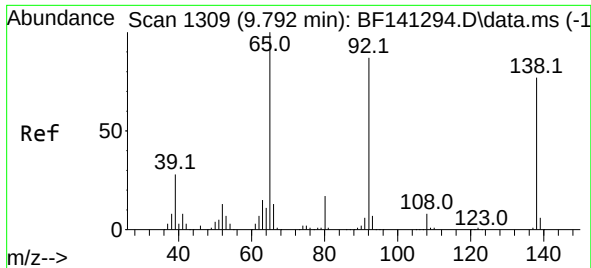


#52
Acenaphthene
Concen: 53.490 ng m
RT: 9.863 min Scan# 1321
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47



Tgt Ion:154 Resp: 510747
Ion Ratio Lower Upper
154 100
153 112.9 89.0 133.4
152 51.0 40.2 60.4





#53
3-Nitroaniline
Concen: 27.076 ng
RT: 9.786 min Scan# 11
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

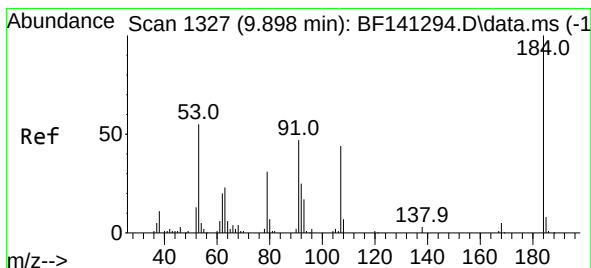
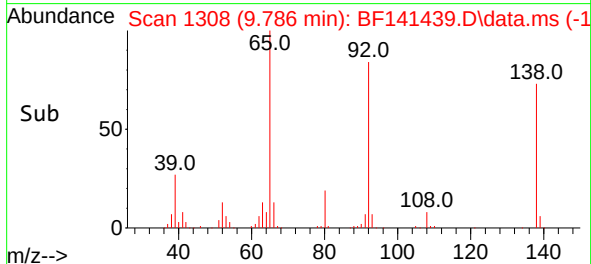
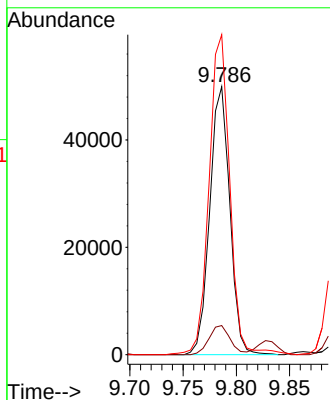
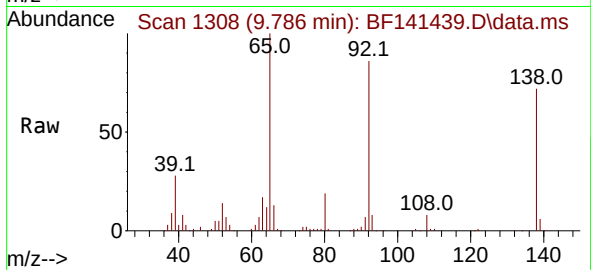
ClientSampleId :

PB166294BS

Tgt Ion:138 Resp: 6536
Ion Ratio Lower Upper
138 100
108 10.9 8.6 12.8
92 119.4 91.0 136.6

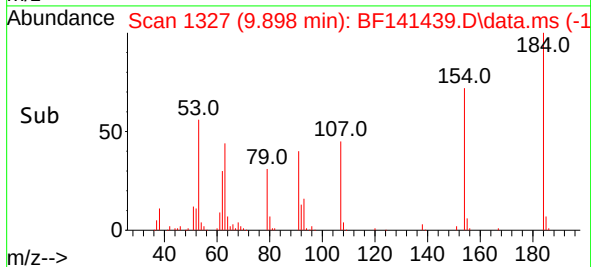
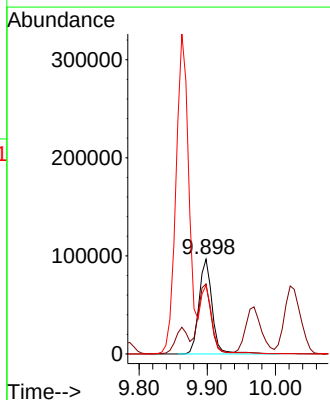
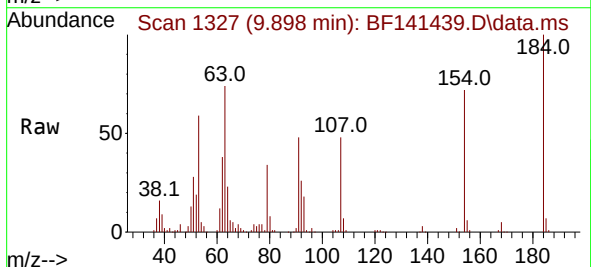
Manual Integrations
APPROVED

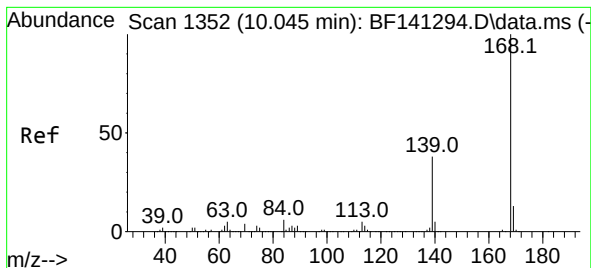
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#54
2,4-Dinitrophenol
Concen: 114.095 ng
RT: 9.898 min Scan# 1327
Delta R.T. -0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:184 Resp: 130643
Ion Ratio Lower Upper
184 100
63 74.1 54.1 81.1
154 72.5 50.7 76.1





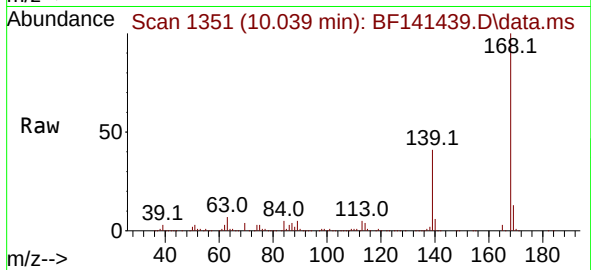
#55
Dibenzenofuran
Concen: 47.164 ng
RT: 10.039 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

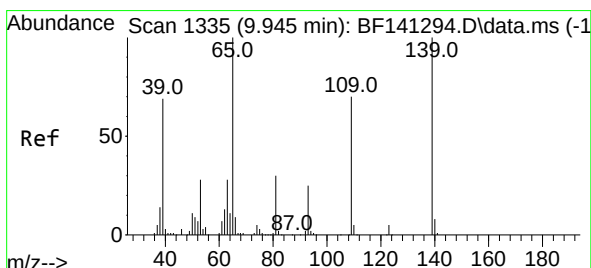
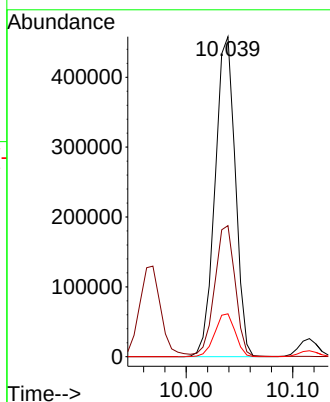
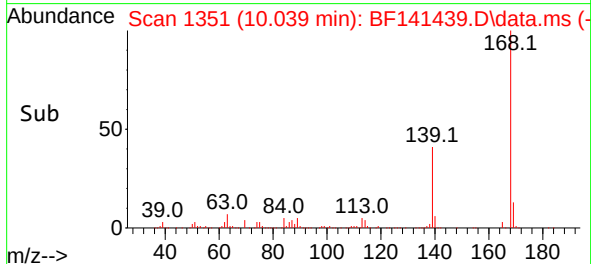


Tgt Ion:168 Resp: 60280
Ion Ratio Lower Upper
168 100
139 41.0 30.6 46.0
169 13.4 10.8 16.2

Manual Integrations

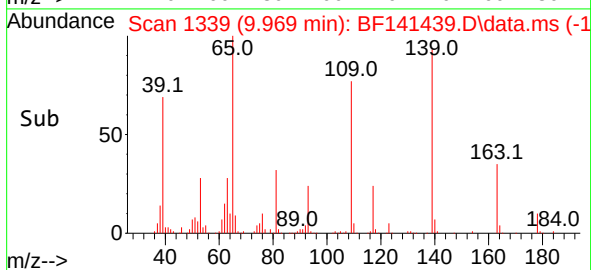
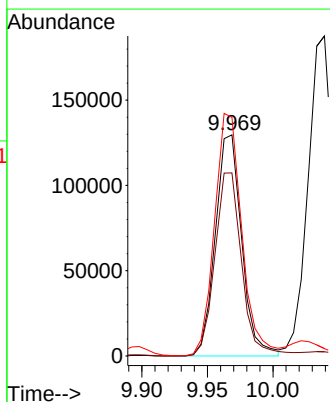
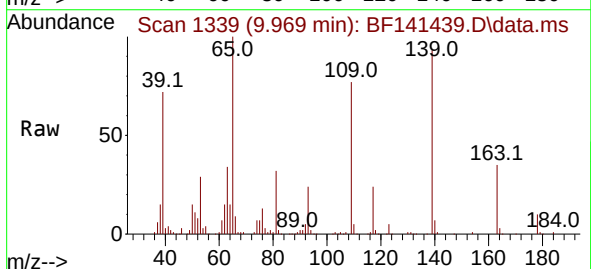
APPROVED

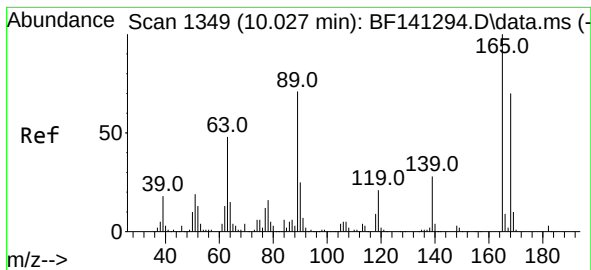
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#56
4-Nitrophenol
Concen: 102.840 ng
RT: 9.969 min Scan# 1339
Delta R.T. 0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:139 Resp: 181575
Ion Ratio Lower Upper
139 100
109 82.8 50.2 90.2
65 107.9 80.6 120.6





#57
2,4-Dinitrotoluene
Concen: 49.490 ng
RT: 10.022 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

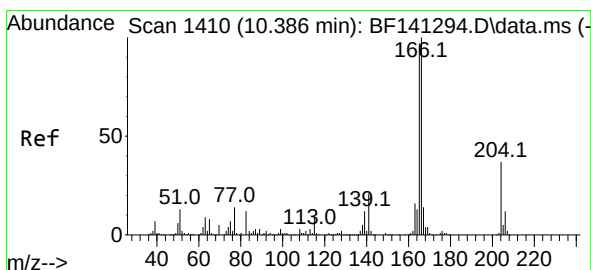
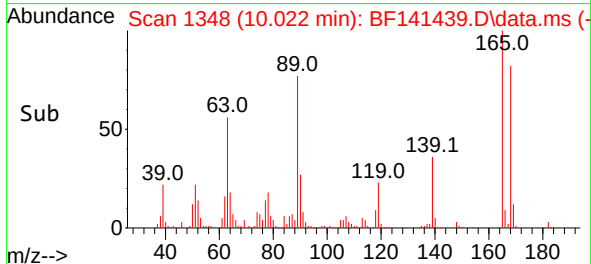
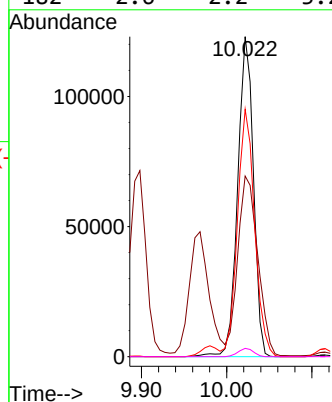
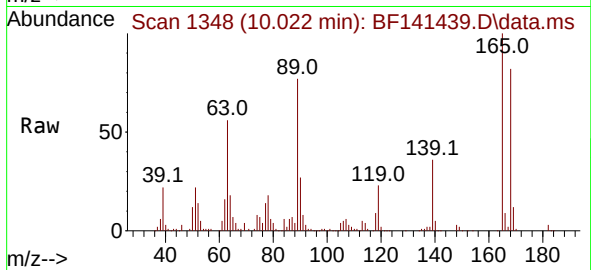
PB166294BS

Tgt Ion:165 Resp: 15783
Ion Ratio Lower Upper
165 100
63 56.4 39.2 58.8
89 77.3 56.9 85.3
182 2.6 2.2 3.2

Manual Integrations

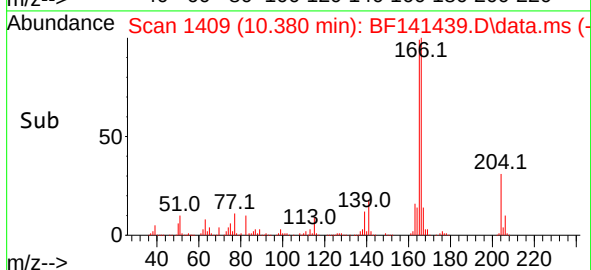
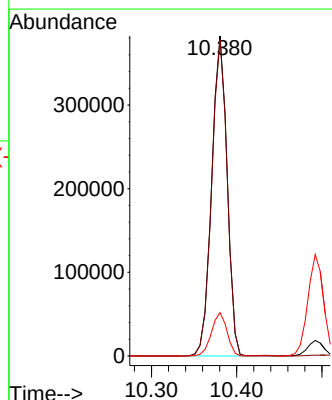
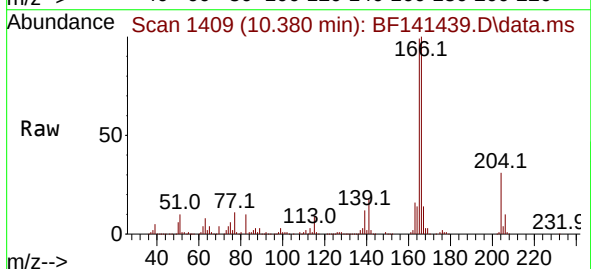
APPROVED

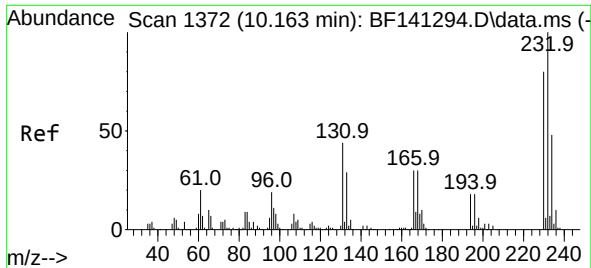
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#58
Fluorene
Concen: 48.663 ng
RT: 10.380 min Scan# 1409
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

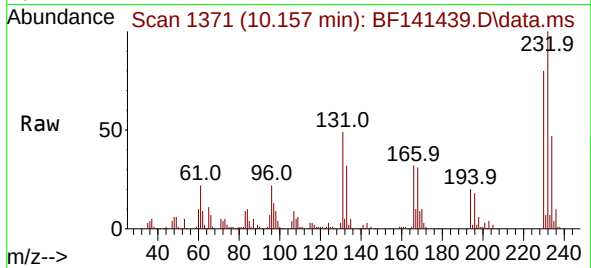
Tgt Ion:166 Resp: 482443
Ion Ratio Lower Upper
166 100
165 98.9 77.5 116.3
167 13.5 10.9 16.3





#59
2,3,4,6-Tetrachlorophenol
Concen: 51.336 ng m
RT: 10.157 min Scan# 1371
Delta R.T. -0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

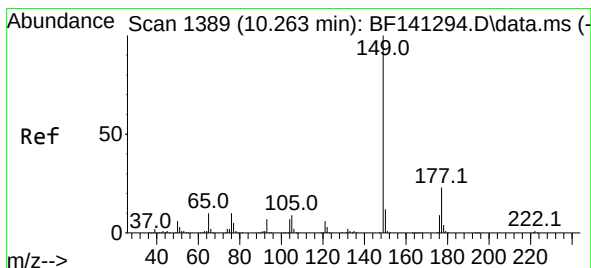
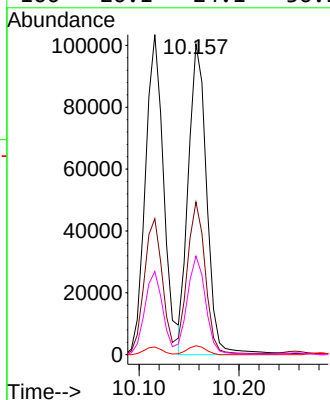
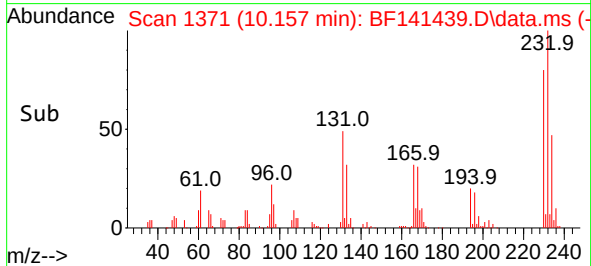
Instrument :
BNA_F
ClientSampleId :
PB166294BS



Tgt Ion:232 Resp: 12856
Ion Ratio Lower Upper
232 100
131 43.3 36.4 54.6
130 2.5 1.9 2.9
166 26.1 24.1 36.1

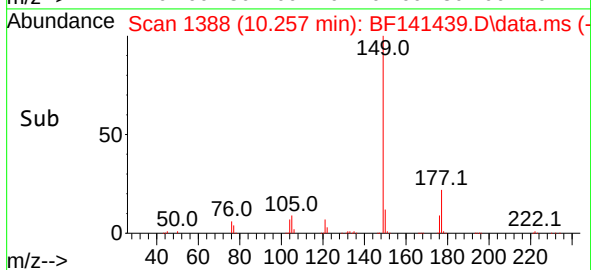
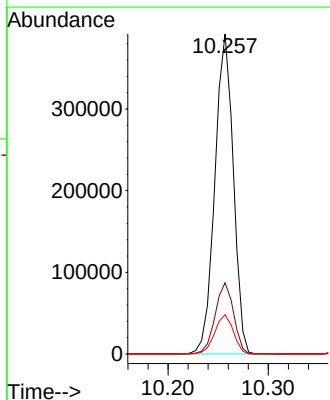
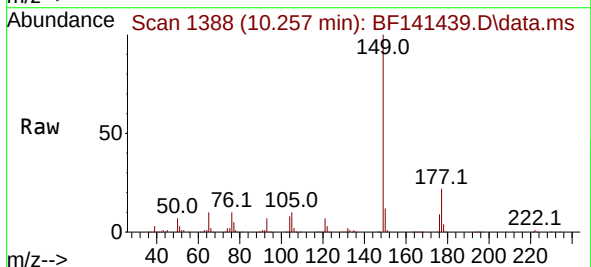
Manual Integrations
APPROVED

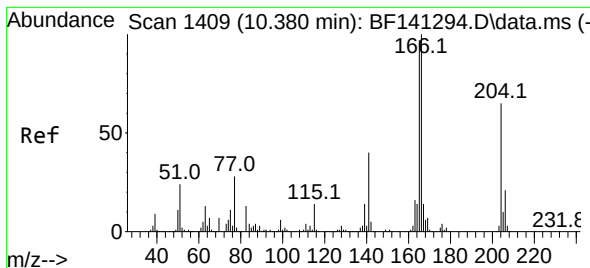
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#60
Diethylphthalate
Concen: 48.702 ng
RT: 10.257 min Scan# 1388
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:149 Resp: 500958
Ion Ratio Lower Upper
149 100
177 22.2 18.5 27.7
150 12.3 10.0 15.0





#61
4-Chlorophenyl-phenylether
Concen: 48.279 ng
RT: 10.374 min Scan# 1409
Delta R.T. -0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

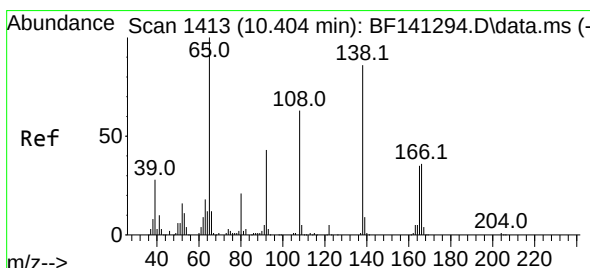
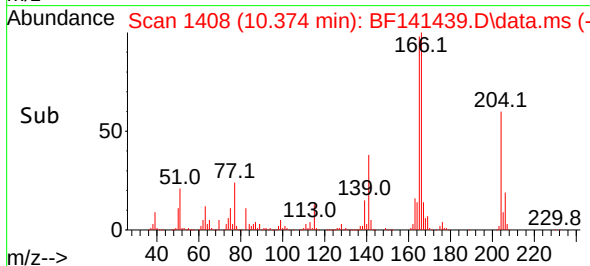
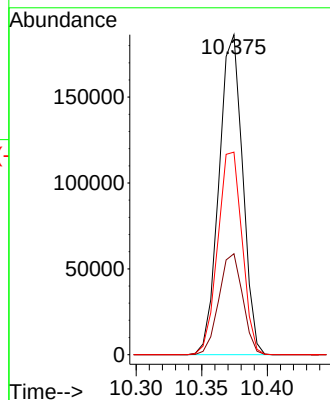
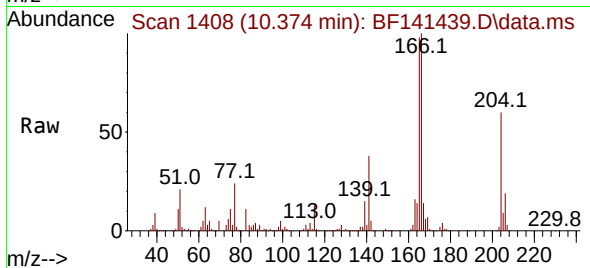
PB166294BS

Tgt Ion:204 Resp: 23380
Ion Ratio Lower Upper
204 100
206 31.5 25.9 38.9
141 63.3 49.5 74.3

Manual Integrations

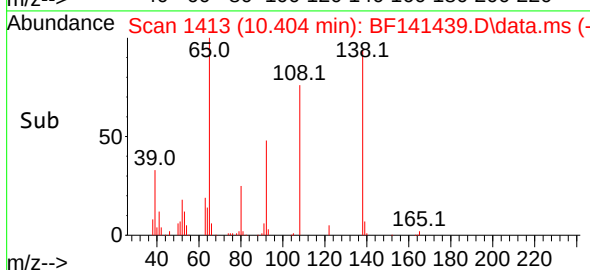
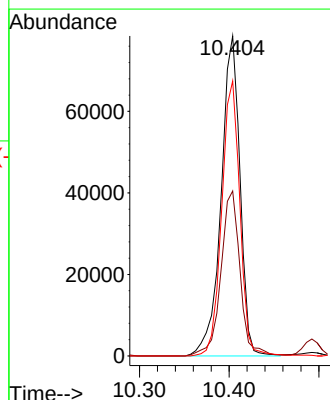
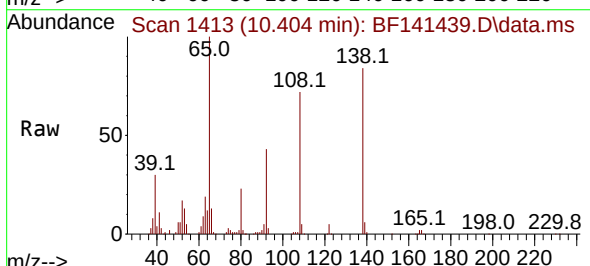
APPROVED

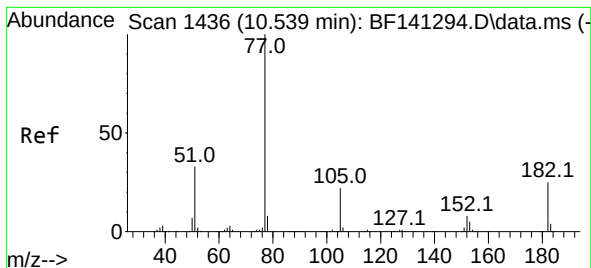
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#62
4-Nitroaniline
Concen: 48.402 ng
RT: 10.404 min Scan# 1413
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:138 Resp: 114882
Ion Ratio Lower Upper
138 100
92 51.6 30.1 70.1
108 85.9 53.1 93.1





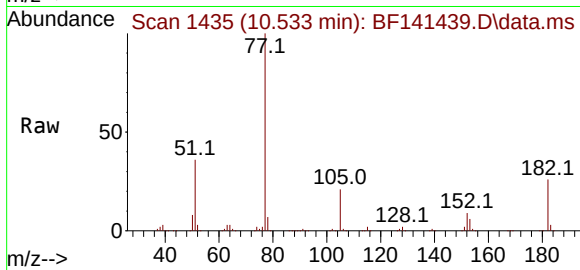
#63
Azobenzene
Concen: 46.750 ng
RT: 10.533 min Scan# 1435
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

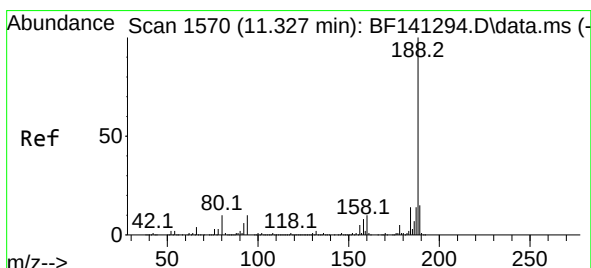
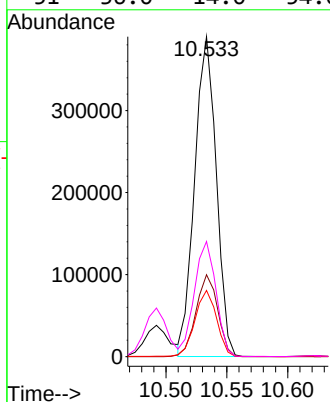
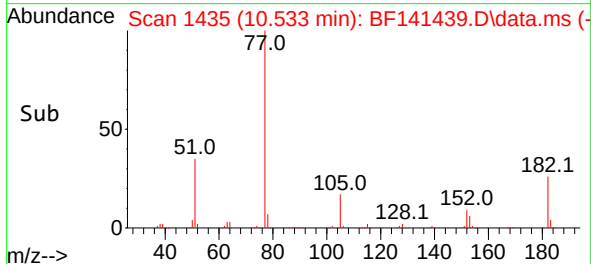


Tgt Ion: 77 Resp: 481359
Ion Ratio Lower Upper
77 100
182 25.6 5.1 45.1
105 20.7 1.8 41.8
51 36.0 14.0 54.0

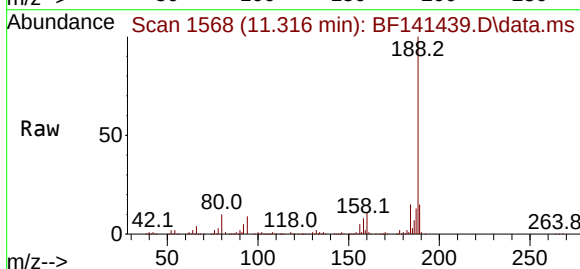
Manual Integrations

APPROVED

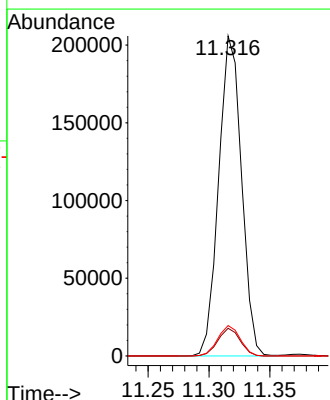
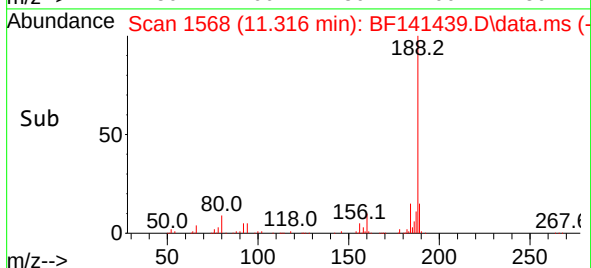
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

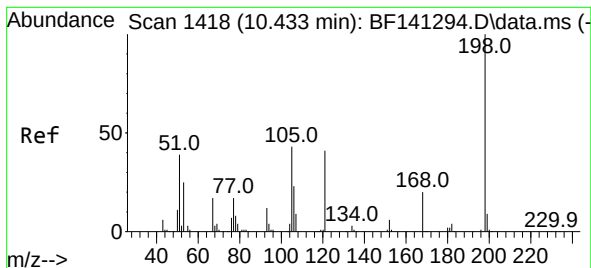


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.316 min Scan# 1568
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47



Tgt Ion:188 Resp: 268815
Ion Ratio Lower Upper
188 100
94 8.6 7.8 11.6
80 9.5 8.2 12.4





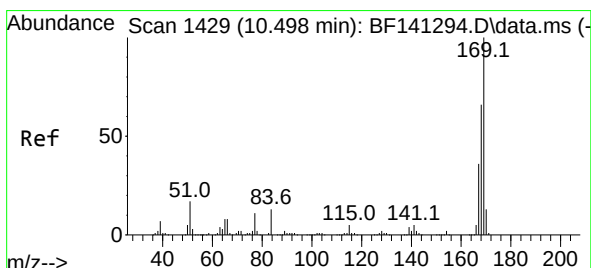
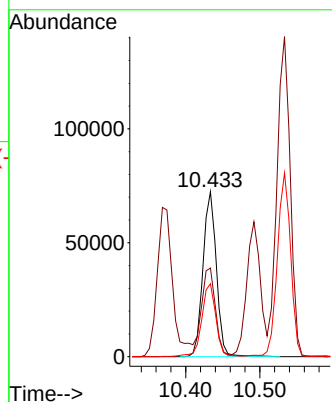
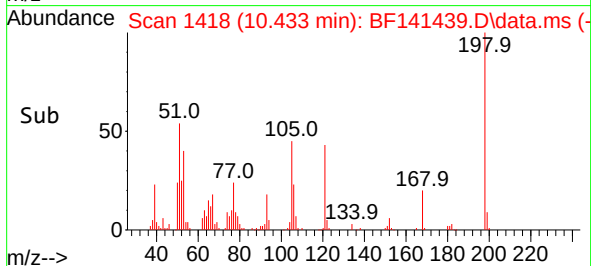
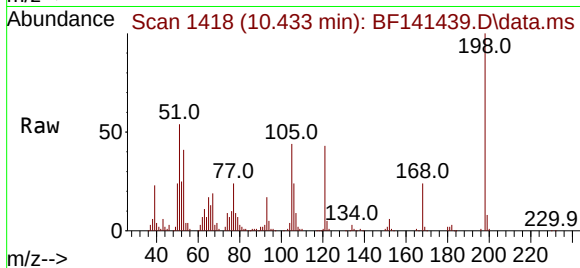
#65
4,6-Dinitro-2-methylphenol
Concen: 57.286 ng
RT: 10.433 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Instrument :
BNA_F
ClientSampleId :
PB166294BS

Tgt Ion:198 Resp: 9108
Ion Ratio Lower Upper
198 100
51 53.8 33.4 73.4
105 44.3 24.4 64.4

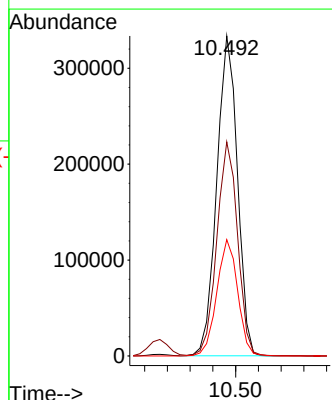
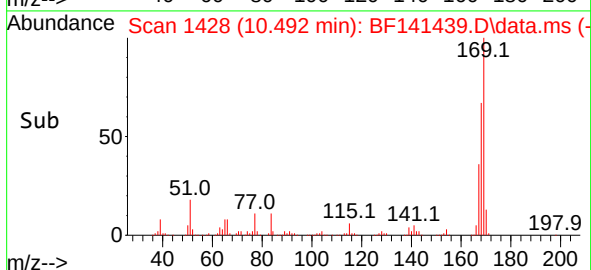
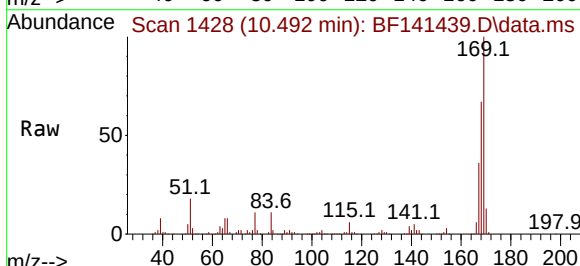
Manual Integrations
APPROVED

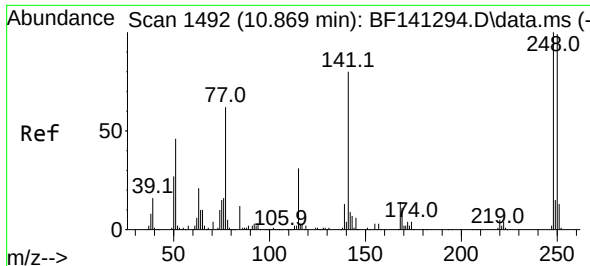
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#66
n-Nitrosodiphenylamine
Concen: 48.468 ng
RT: 10.492 min Scan# 1428
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

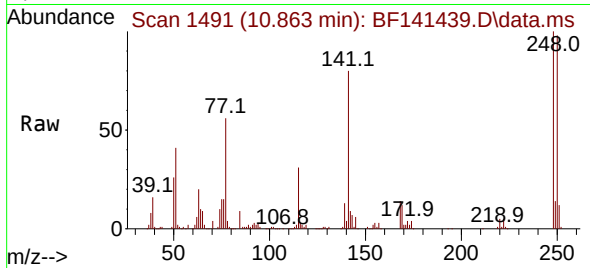
Tgt Ion:169 Resp: 421404
Ion Ratio Lower Upper
169 100
168 66.9 53.0 79.4
167 36.4 28.8 43.2





#67
4-Bromophenyl-phenylether
Concen: 48.415 ng
RT: 10.863 min Scan# 1491
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

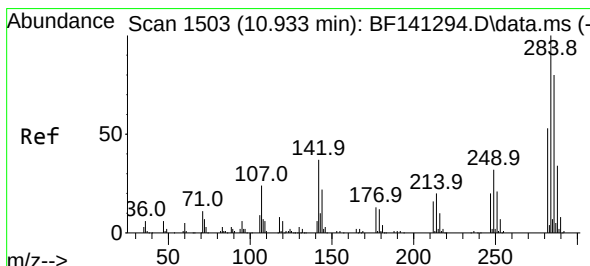
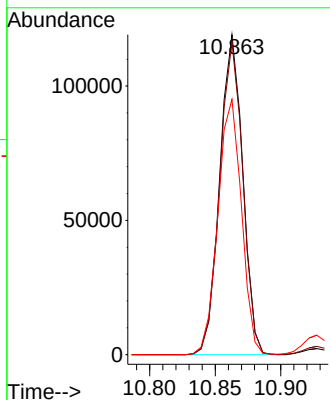
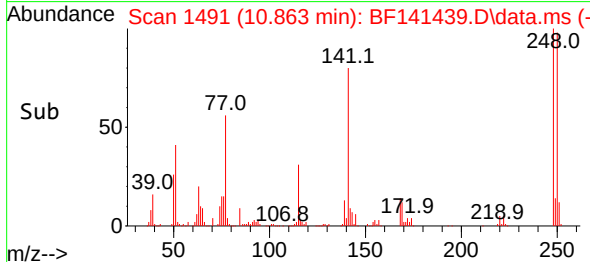
Instrument :
BNA_F
ClientSampleId :
PB166294BS



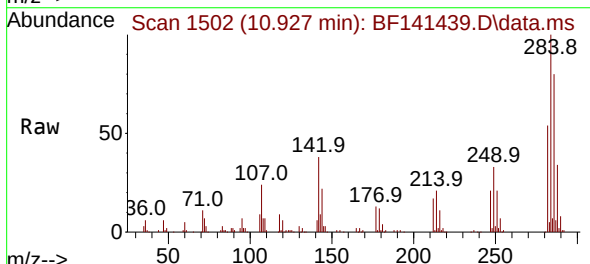
Tgt Ion:248 Resp: 145700
Ion Ratio Lower Upper
248 100
250 97.6 79.0 118.4
141 79.8 63.7 95.5

Manual Integrations
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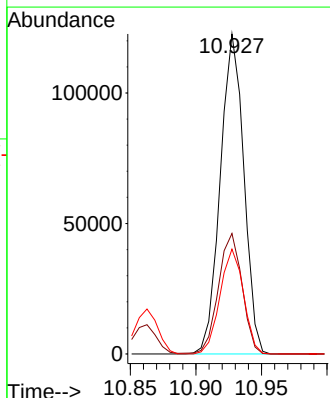
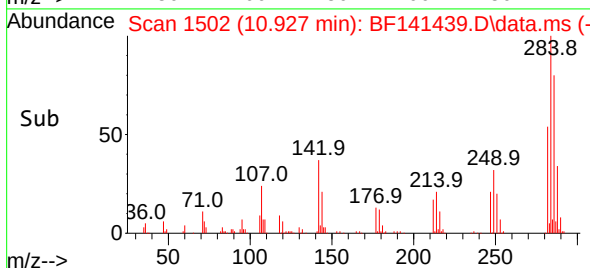
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

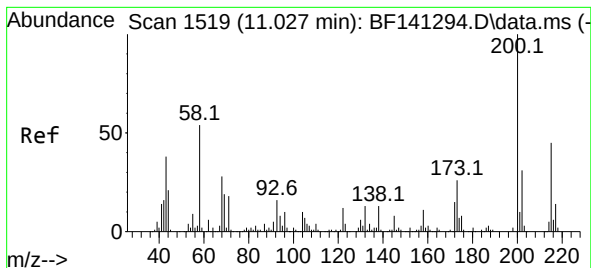


#68
Hexachlorobenzene
Concen: 47.936 ng
RT: 10.927 min Scan# 1502
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47



Tgt Ion:284 Resp: 153026
Ion Ratio Lower Upper
284 100
142 37.7 29.5 44.3
249 32.7 25.4 38.2





#69

Atrazine

Concen: 52.417 ng

RT: 11.022 min Scan# 1519

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

Tgt Ion:200 Resp: 152370

Ion Ratio Lower Upper

200 100

173 24.8 5.9 45.9

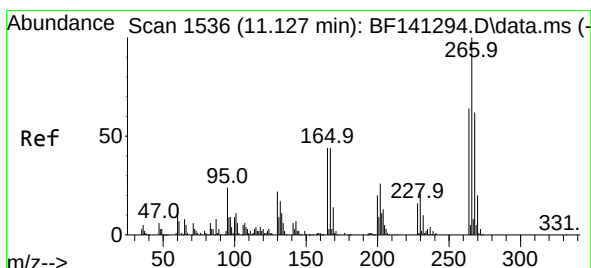
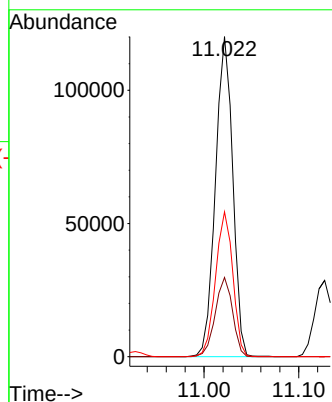
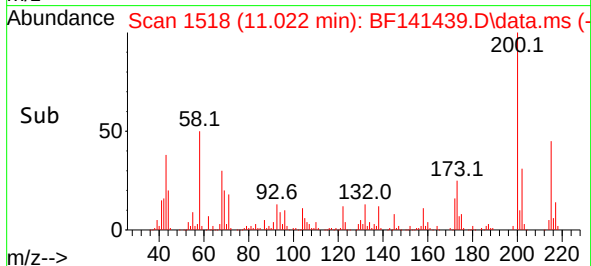
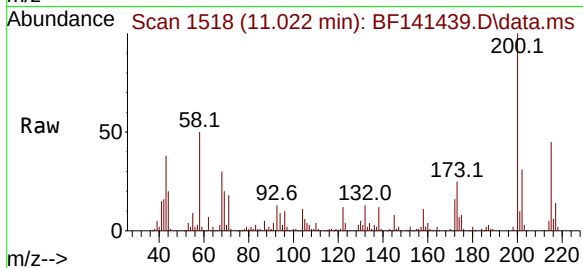
215 45.2 25.2 65.2

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#70

Pentachlorophenol

Concen: 103.538 ng

RT: 11.127 min Scan# 1536

Delta R.T. -0.006 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

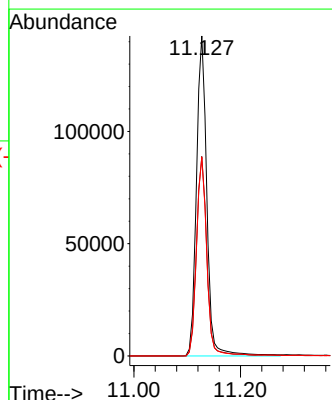
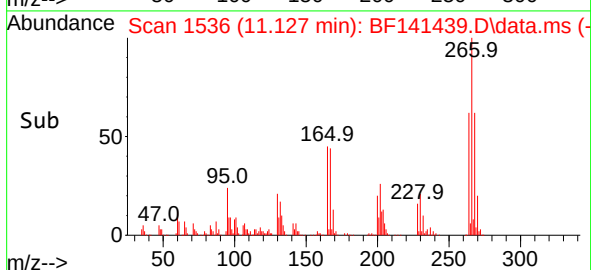
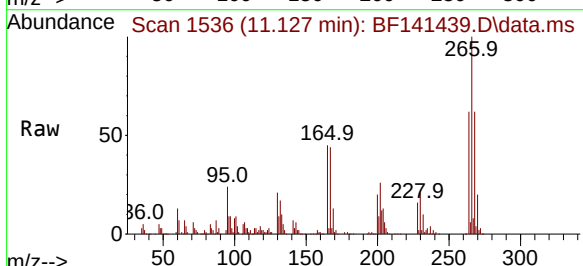
Tgt Ion:266 Resp: 193550

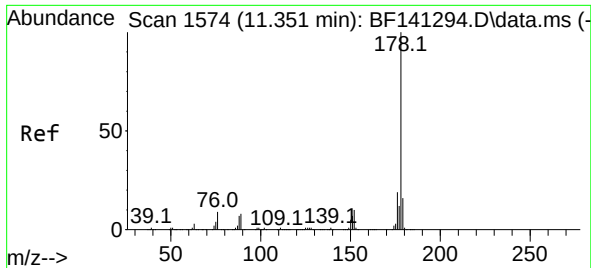
Ion Ratio Lower Upper

266 100

268 62.4 49.9 74.9

264 62.1 51.0 76.4





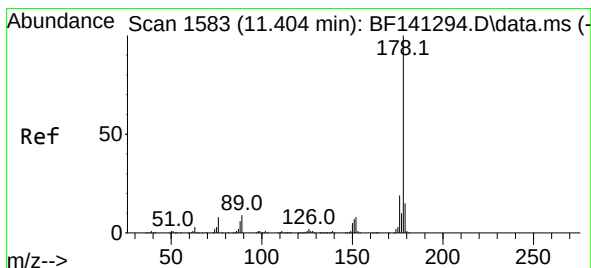
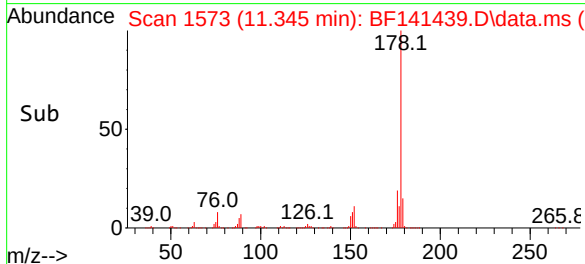
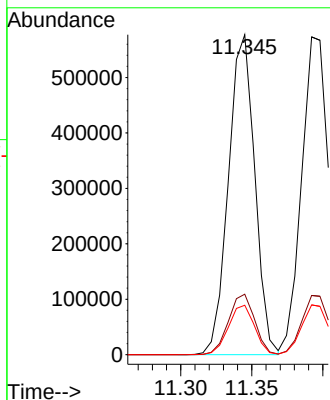
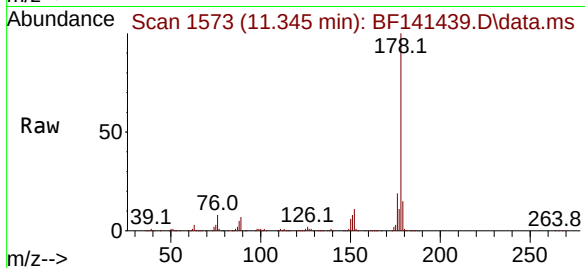
#71
Phenanthrene
Concen: 51.479 ng
RT: 11.345 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Instrument :
BNA_F
ClientSampleId :
PB166294BS

Tgt Ion:178 Resp: 74387
Ion Ratio Lower Upper
178 100
176 18.9 15.3 22.9
179 15.5 12.5 18.7

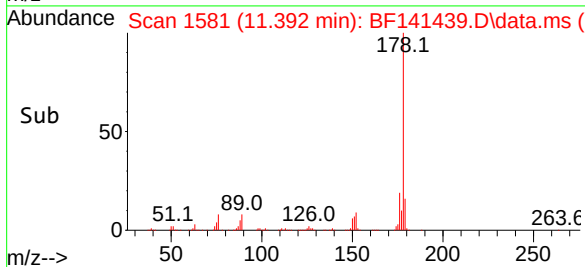
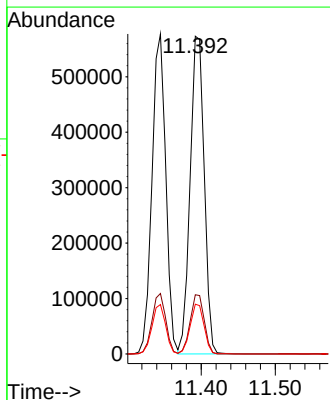
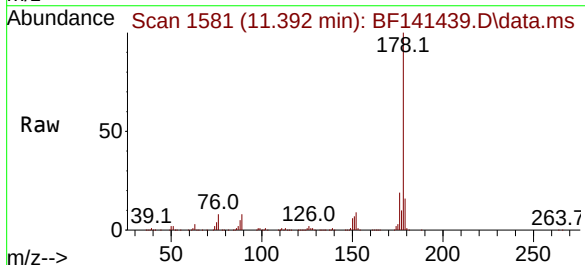
Manual Integrations
APPROVED

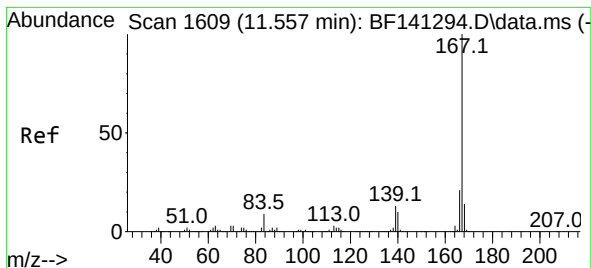
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#72
Anthracene
Concen: 53.540 ng
RT: 11.392 min Scan# 1581
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:178 Resp: 758044
Ion Ratio Lower Upper
178 100
176 18.6 15.0 22.6
179 15.7 12.3 18.5





#73

Carbazole

Concen: 52.983 ng

RT: 11.551 min Scan# 1608

Delta R.T. -0.006 min

Lab File: BF141439.D

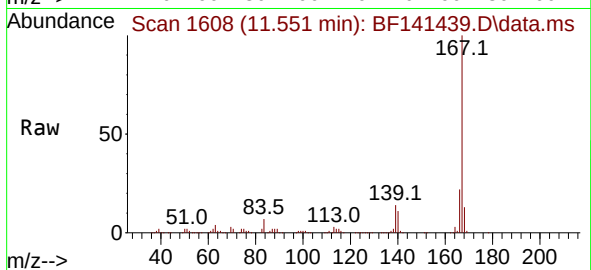
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS



Tgt Ion:167 Resp: 665174

Ion Ratio Lower Upper

167 100

166 21.9 17.0 25.6

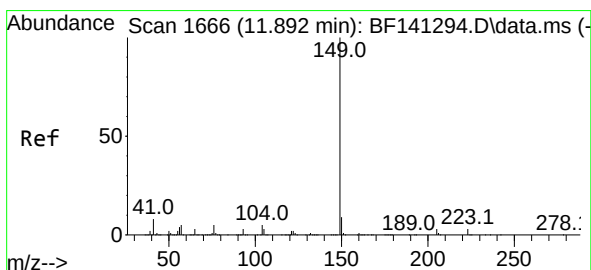
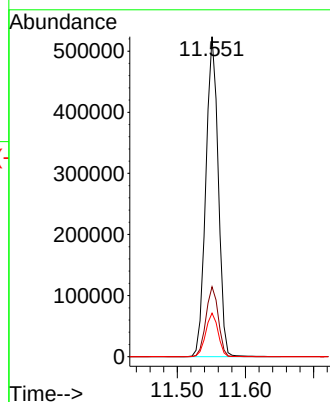
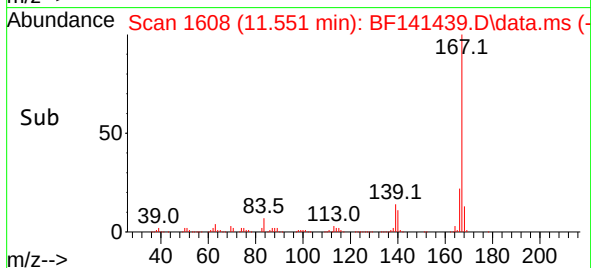
139 13.6 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#74

Di-n-butylphthalate

Concen: 51.494 ng

RT: 11.880 min Scan# 1664

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

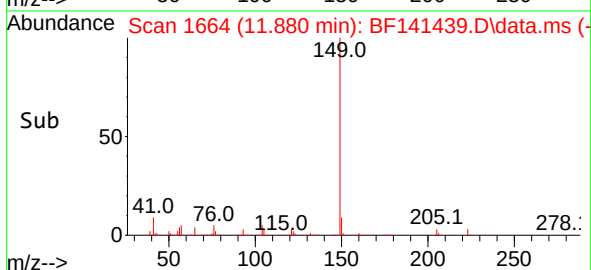
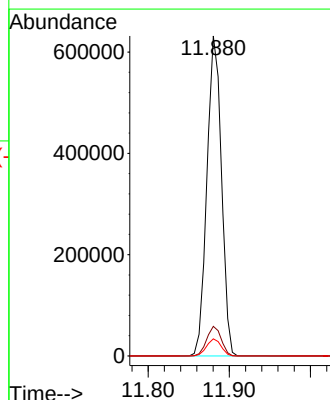
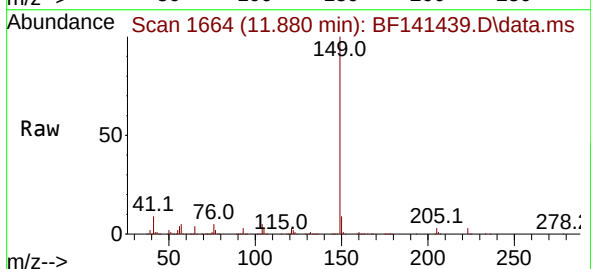
Tgt Ion:149 Resp: 783458

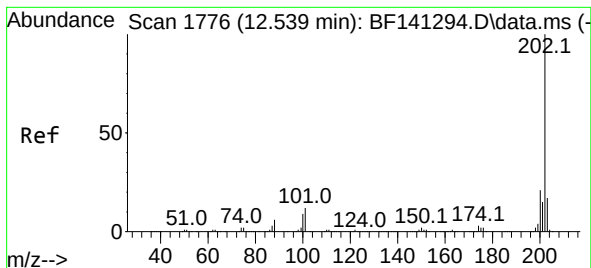
Ion Ratio Lower Upper

149 100

150 9.3 7.4 11.2

104 5.4 3.9 5.9





#75

Fluoranthene

Concen: 55.552 ng

RT: 12.533 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

Tgt Ion:202 Resp: 792604

Ion Ratio Lower Upper

202 100

101 9.7 0.0 31.7

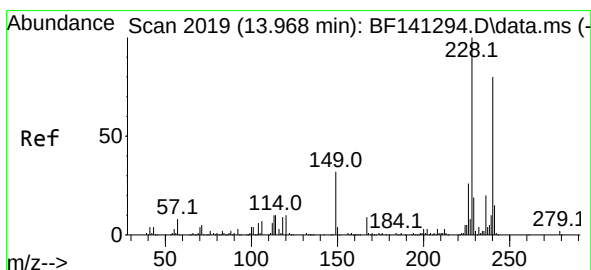
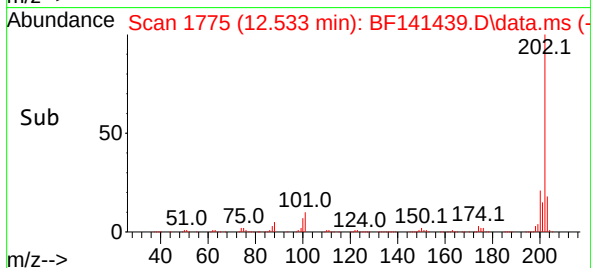
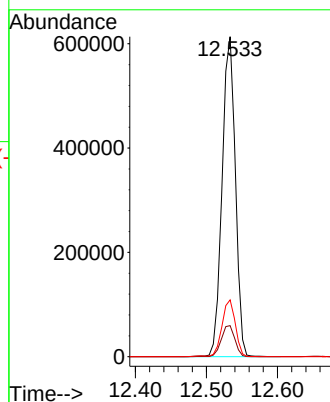
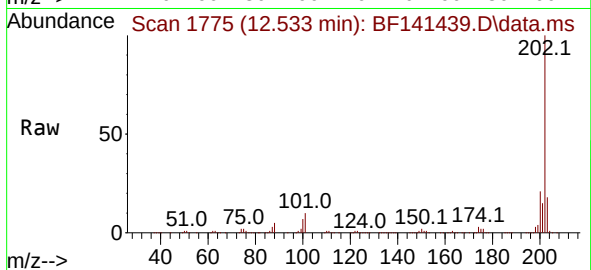
203 17.8 0.0 37.5

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#76

Chrysene-d12

Concen: 20.000 ng

RT: 13.963 min Scan# 2018

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

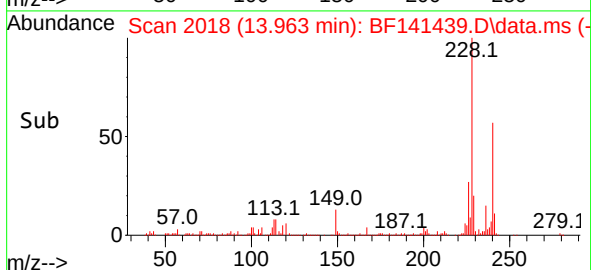
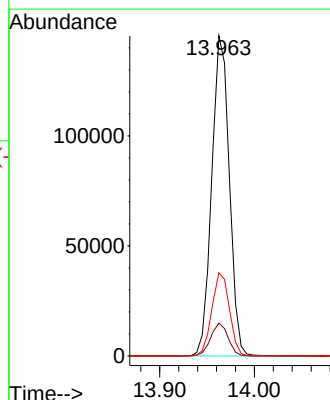
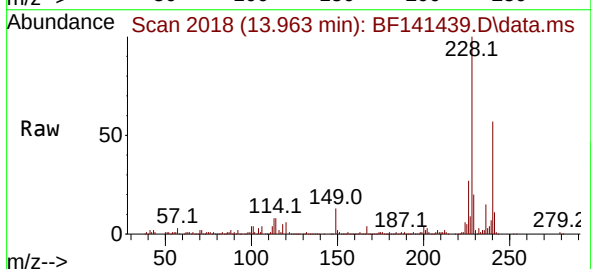
Tgt Ion:240 Resp: 187164

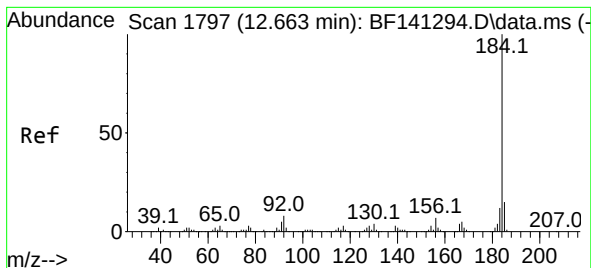
Ion Ratio Lower Upper

240 100

120 10.3 10.0 15.0

236 26.0 19.7 29.5





#77

Benzidine

Concen: 28.873 ng

RT: 12.657 min Scan# 1

Delta R.T. -0.006 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

Tgt Ion:184 Resp: 17324

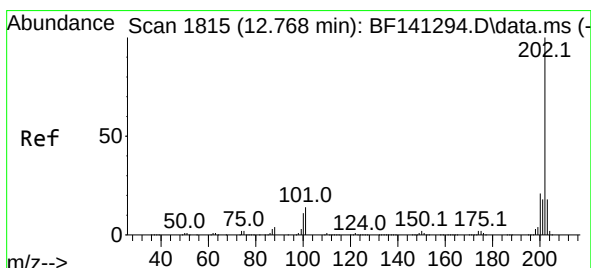
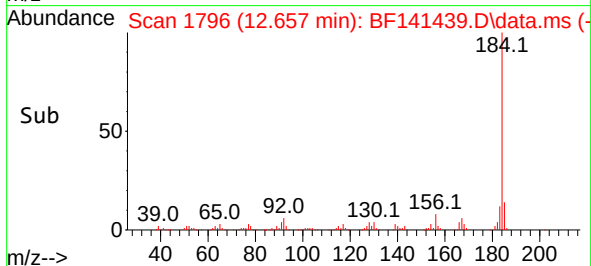
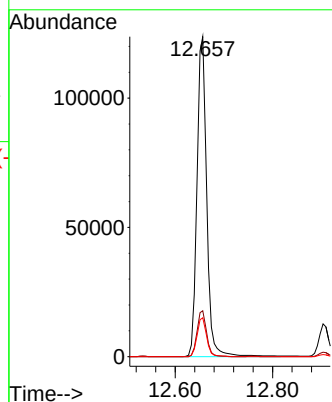
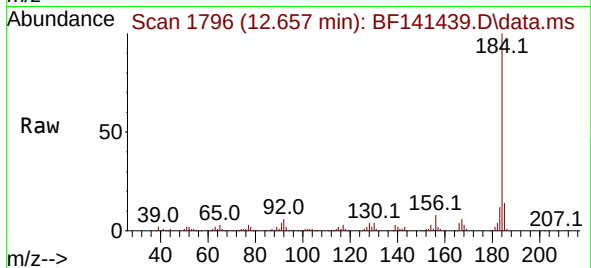
Ion	Ratio	Lower	Upper
184	100		
185	14.4	11.9	17.9
183	12.1	9.5	14.3

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#78

Pyrene

Concen: 45.916 ng

RT: 12.763 min Scan# 1814

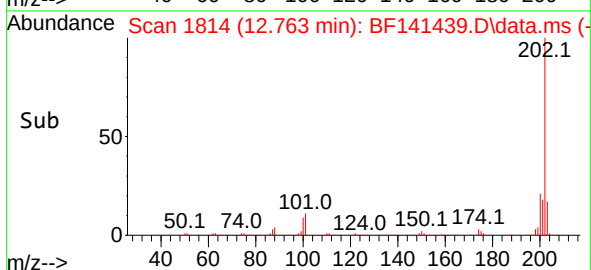
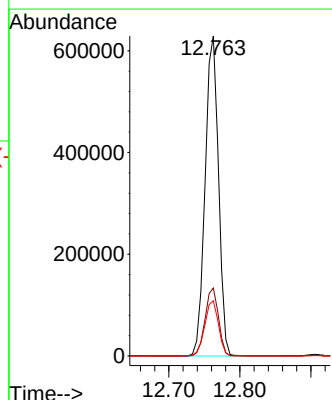
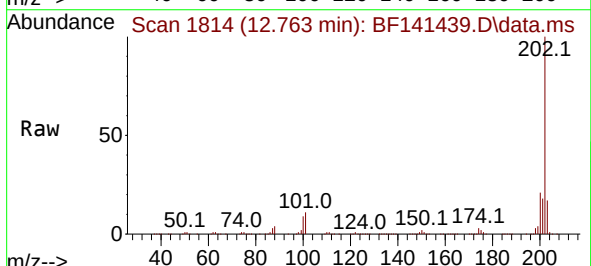
Delta R.T. -0.006 min

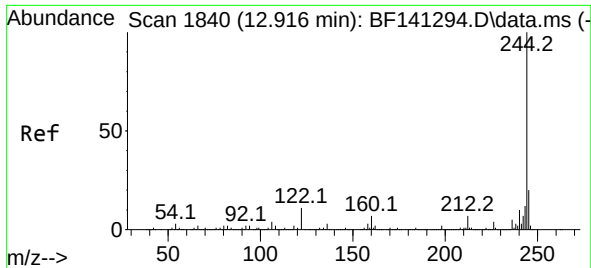
Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Tgt Ion:202 Resp: 824927

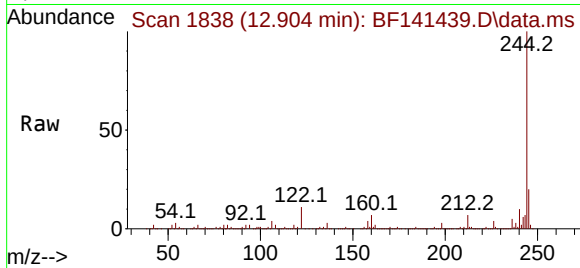
Ion	Ratio	Lower	Upper
202	100		
200	21.3	17.0	25.4
203	17.2	14.3	21.5





#79
 Terphenyl-d14
 Concen: 95.750 ng
 RT: 12.904 min Scan# 116204
 Delta R.T. -0.012 min
 Lab File: BF141439.D
 Acq: 05 Feb 2025 11:47

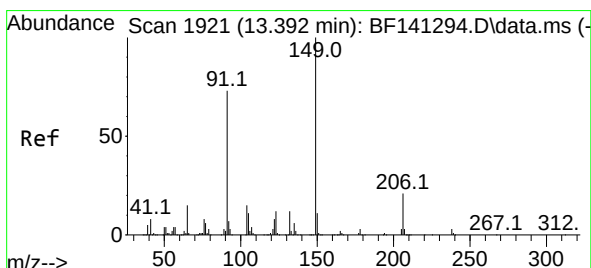
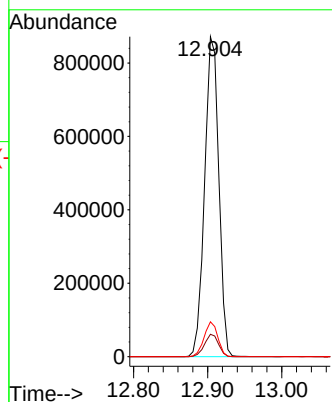
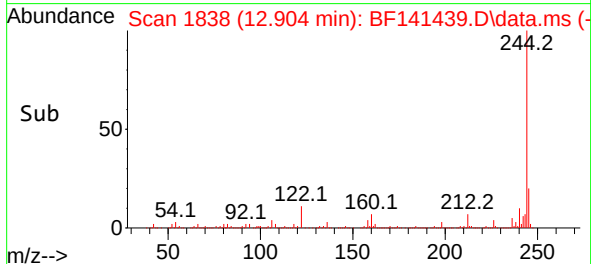
Instrument :
 BNA_F
 ClientSampleId :
 PB166294BS



Tgt Ion:244 Resp: 116204
 Ion Ratio Lower Upper
 244 100
 212 7.0 5.4 8.0
 122 10.9 8.8 13.2

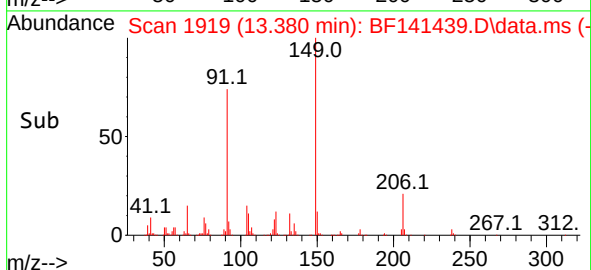
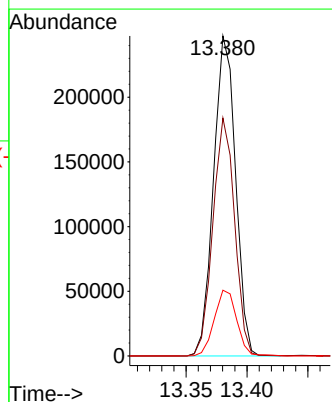
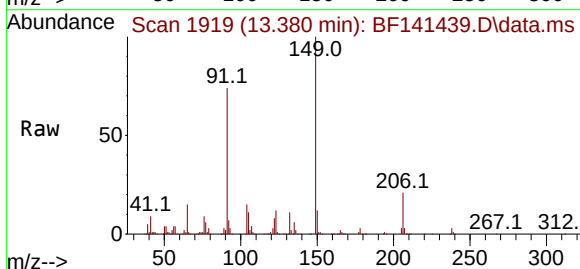
Manual Integrations
 APPROVED

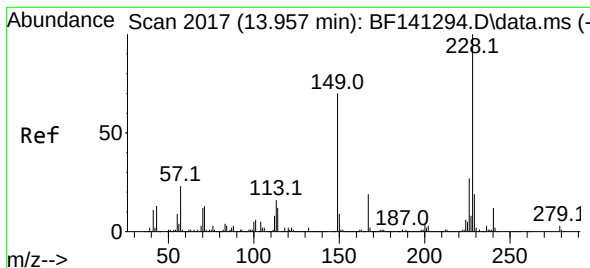
Reviewed By :Yogesh Patel 02/06/2025
 Supervised By :mohammad ahmed 02/06/2025



#80
 Butylbenzylphthalate
 Concen: 49.562 ng
 RT: 13.380 min Scan# 1919
 Delta R.T. -0.012 min
 Lab File: BF141439.D
 Acq: 05 Feb 2025 11:47

Tgt Ion:149 Resp: 311075
 Ion Ratio Lower Upper
 149 100
 91 74.3 58.6 87.8
 206 20.6 16.7 25.1





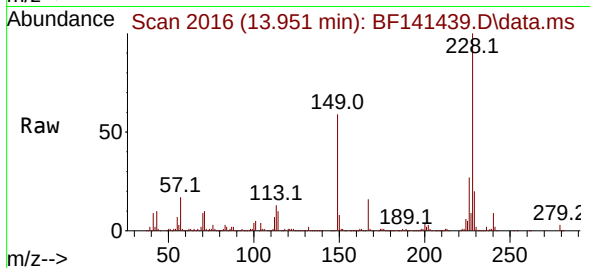
#81
Benzo(a)anthracene
Concen: 49.397 ng
RT: 13.951 min Scan# 2016
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

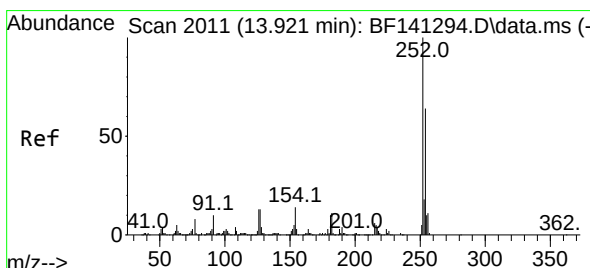
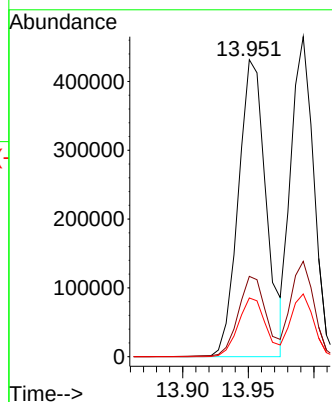
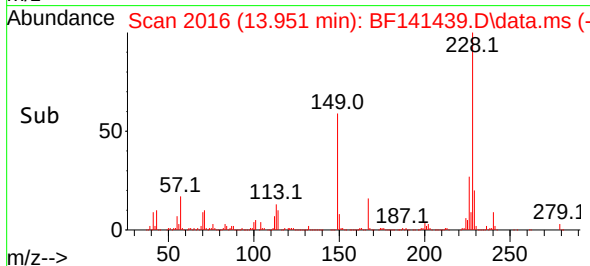


Tgt Ion:228 Resp: 63798
Ion Ratio Lower Upper
228 100
226 27.1 21.4 32.2
229 19.8 15.5 23.3

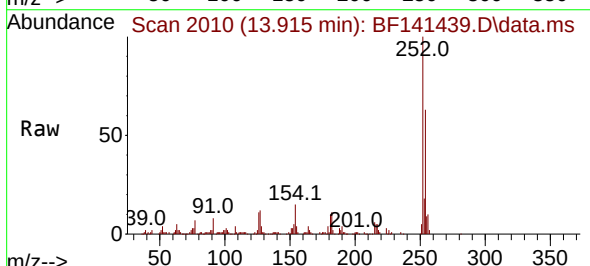
Manual Integrations

APPROVED

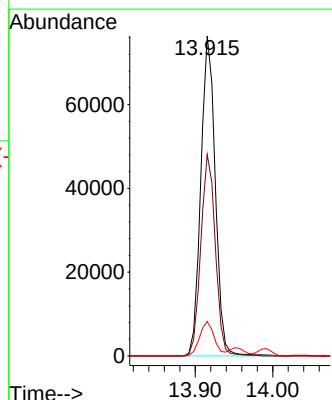
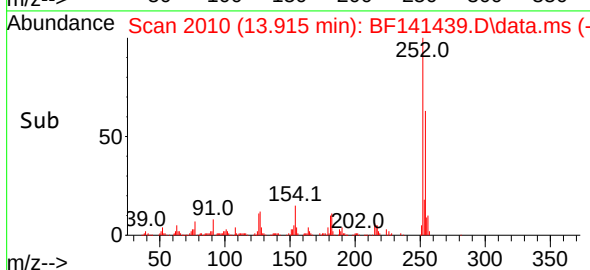
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

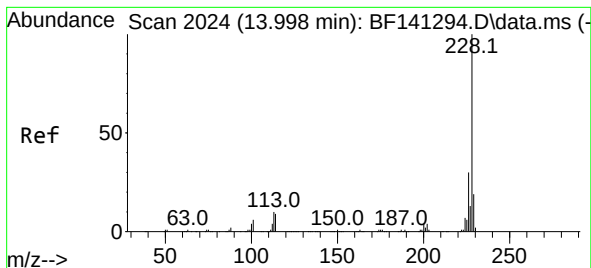


#82
3,3'-Dichlorobenzidine
Concen: 24.095 ng
RT: 13.915 min Scan# 2010
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47



Tgt Ion:252 Resp: 98974
Ion Ratio Lower Upper
252 100
254 62.9 51.3 76.9
126 10.8 10.0 15.0





#83

Chrysene

Concen: 47.496 ng

RT: 13.992 min Scan# 20

Delta R.T. -0.006 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

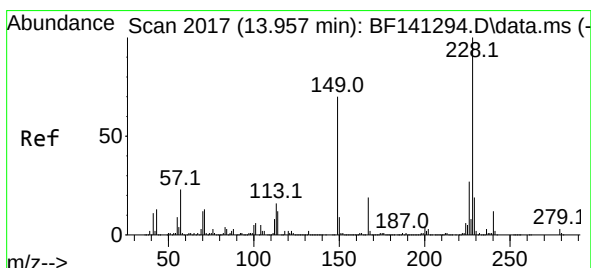
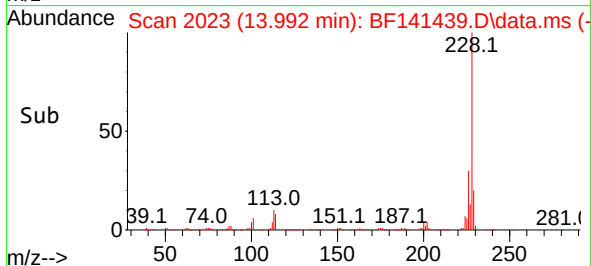
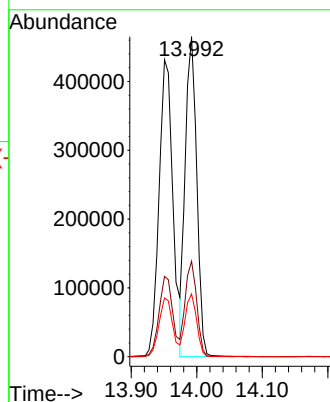
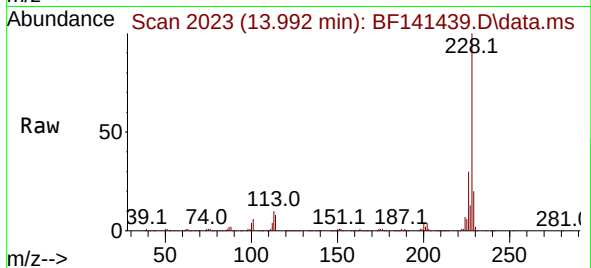
Tgt Ion:228	Resp: 562189
Ion Ratio	Lower Upper
228 100	
226 29.8	24.1 36.1
229 19.6	15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.636 ng

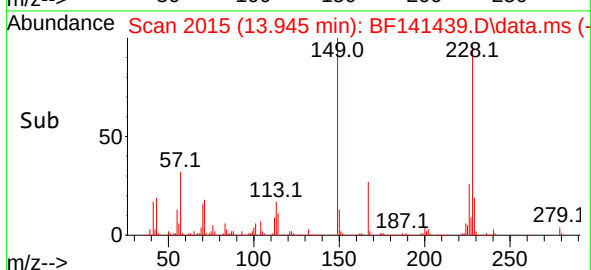
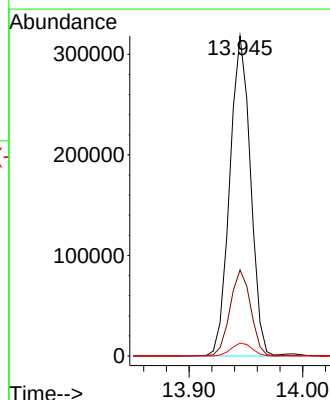
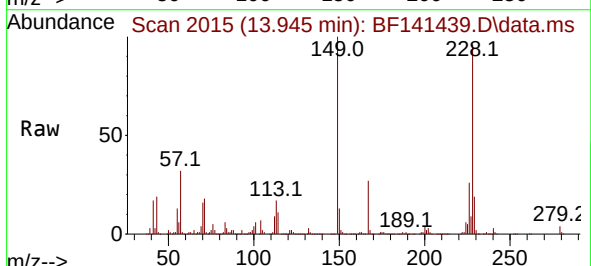
RT: 13.945 min Scan# 2015

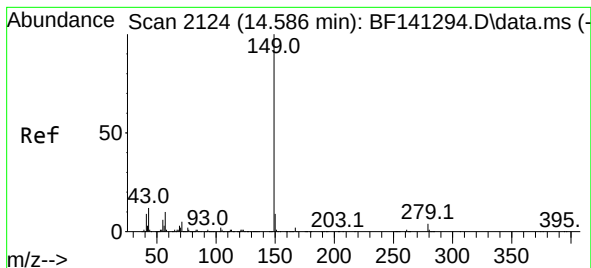
Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Tgt Ion:149	Resp: 403170
Ion Ratio	Lower Upper
149 100	
167 26.9	21.8 32.8
279 4.0	3.3 4.9





#85

Di-n-octyl phthalate

Concen: 48.720 ng

RT: 14.574 min Scan# 2124

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

Tgt Ion:149 Resp: 602500

Ion Ratio Lower Upper

149 100

167 1.6 1.3 1.9

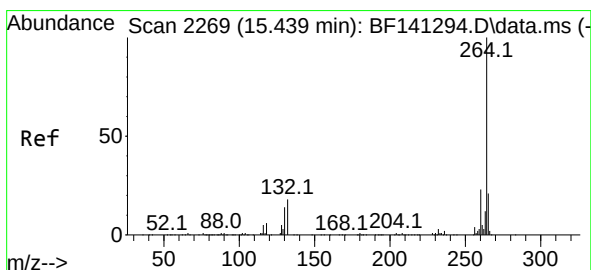
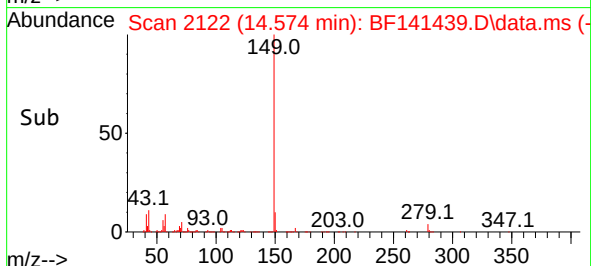
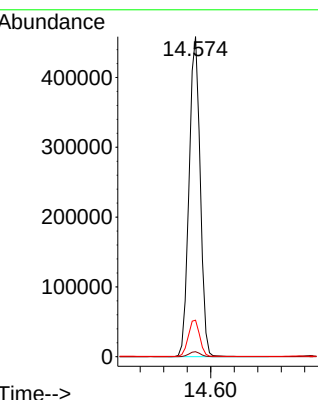
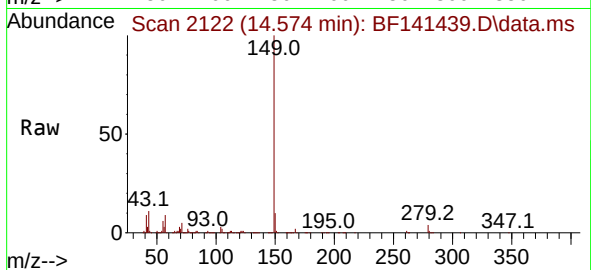
43 11.6 9.8 14.8

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025

Supervised By :mohammad ahmed 02/06/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.427 min Scan# 2267

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

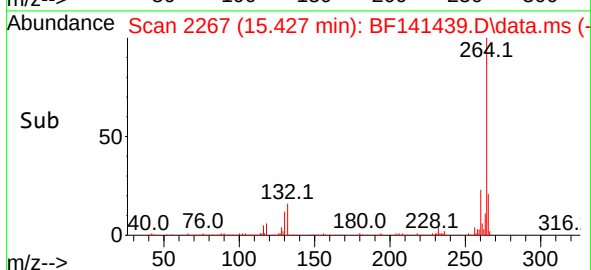
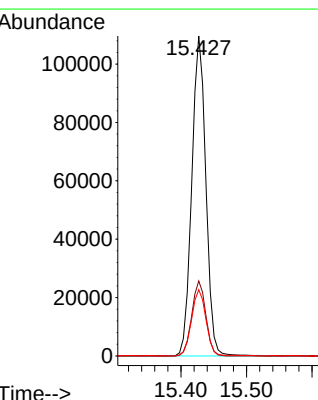
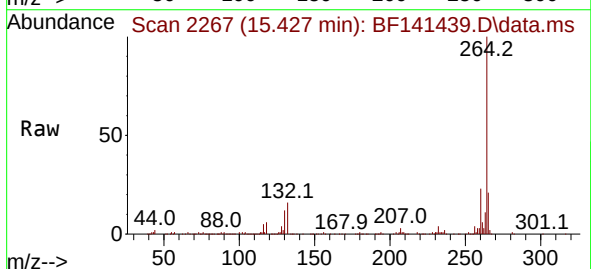
Tgt Ion:264 Resp: 163935

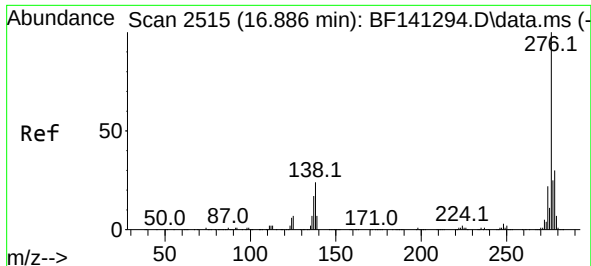
Ion Ratio Lower Upper

264 100

260 23.5 18.6 27.8

265 20.7 16.7 25.1





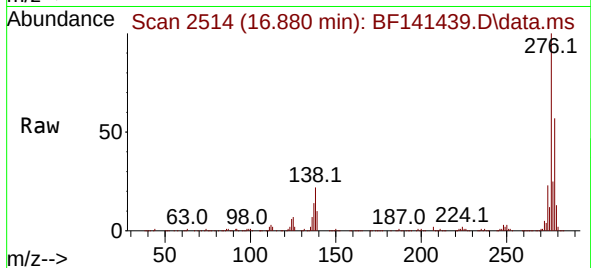
#87
Indeno(1,2,3-cd)pyrene
Concen: 50.861 ng
RT: 16.880 min Scan# 2114
Delta R.T. -0.018 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

PB166294BS

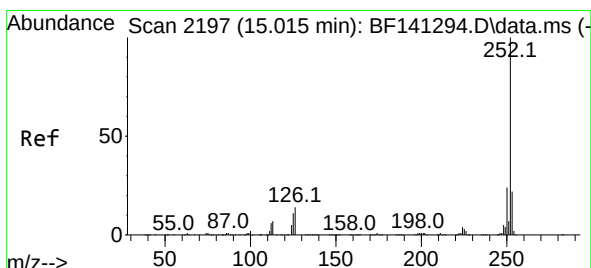
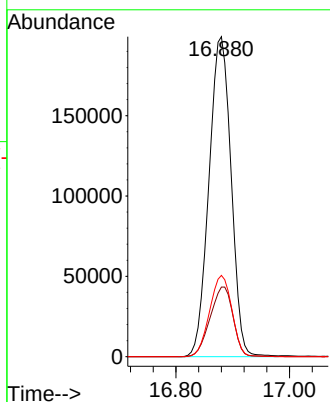
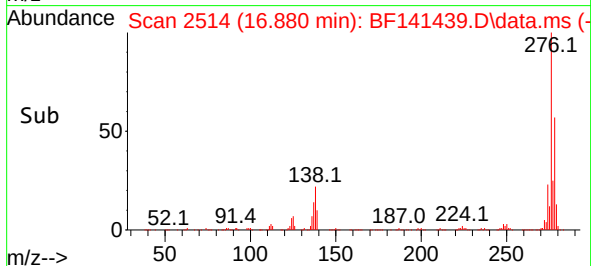


Tgt Ion:276 Resp: 538149
Ion Ratio Lower Upper
276 100
138 22.7 21.7 32.5
277 25.6 20.3 30.5

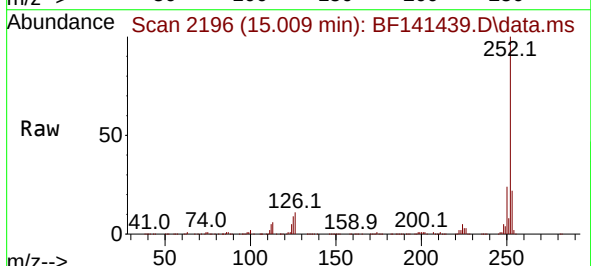
Manual Integrations

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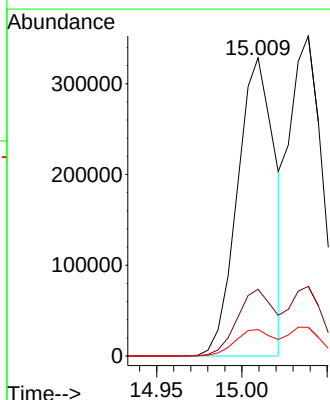
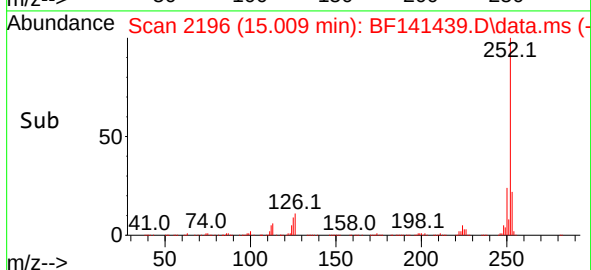
Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025

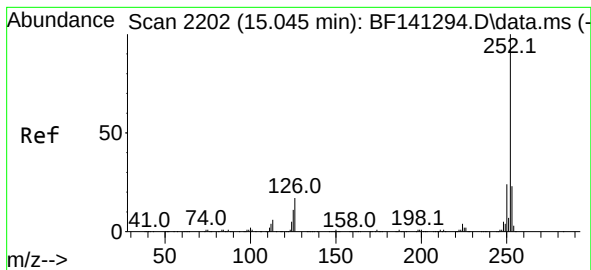


#88
Benzo(b)fluoranthene
Concen: 48.302 ng
RT: 15.009 min Scan# 2196
Delta R.T. -0.012 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47



Tgt Ion:252 Resp: 498092
Ion Ratio Lower Upper
252 100
253 22.4 17.4 26.2
125 8.9 8.6 12.8





#89

Benzo(k)fluoranthene

Concen: 51.723 ng

RT: 15.039 min Scan# 2201

Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

ClientSampleId :

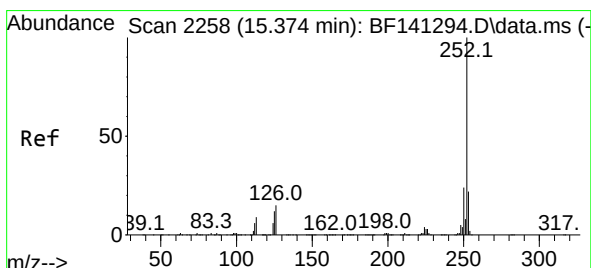
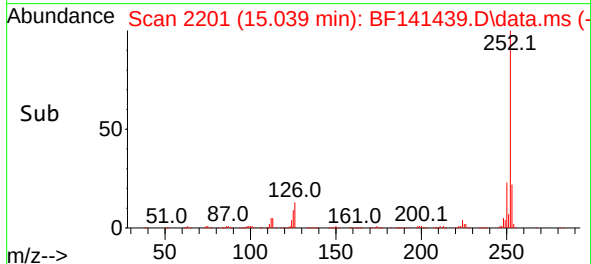
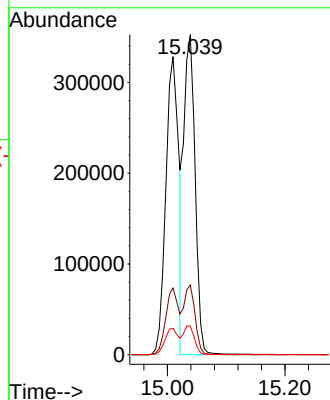
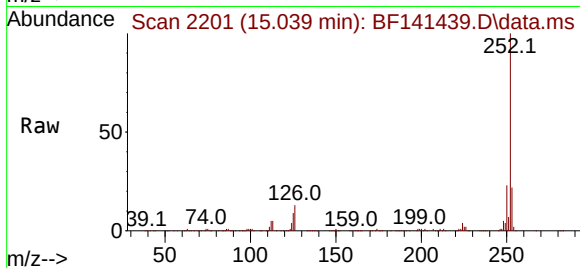
PB166294BS

Tgt Ion:	252	Resp:	47249
Ion Ratio	Lower	Upper	
252	100		
253	21.7	17.6	26.4
125	8.9	8.4	12.6

Manual Integrations

APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#90

Benzo(a)pyrene

Concen: 52.934 ng

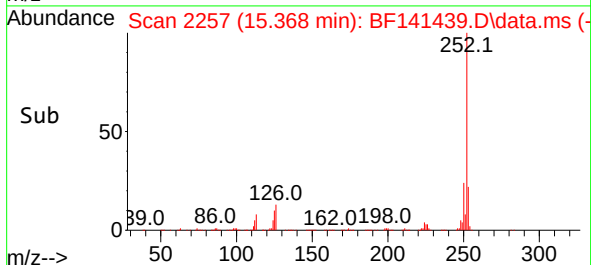
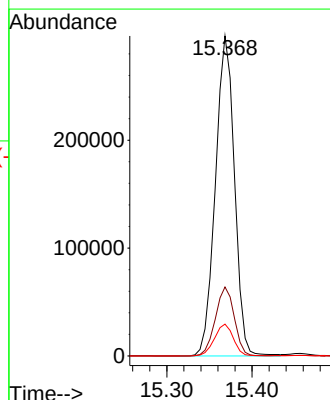
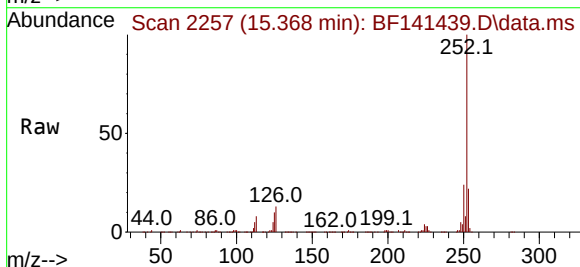
RT: 15.368 min Scan# 2257

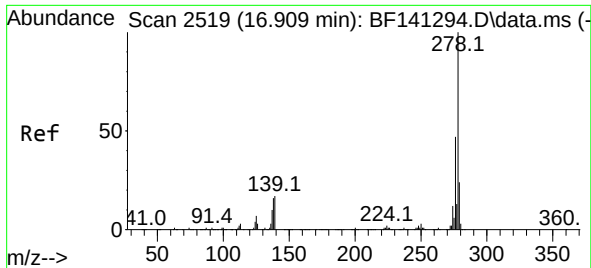
Delta R.T. -0.012 min

Lab File: BF141439.D

Acq: 05 Feb 2025 11:47

Tgt Ion:	252	Resp:	461267
Ion Ratio	Lower	Upper	
252	100		
253	21.5	17.2	25.8
125	9.9	9.4	14.2





#91
Dibenzo(a,h)anthracene
Concen: 51.119 ng
RT: 16.898 min Scan# 2519
Delta R.T. -0.024 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Instrument :

BNA_F

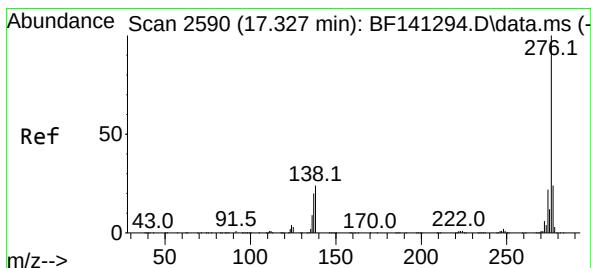
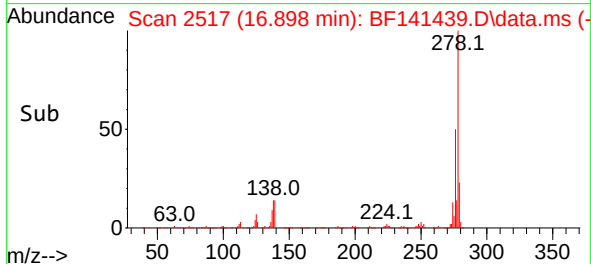
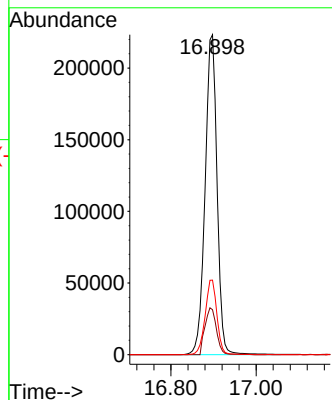
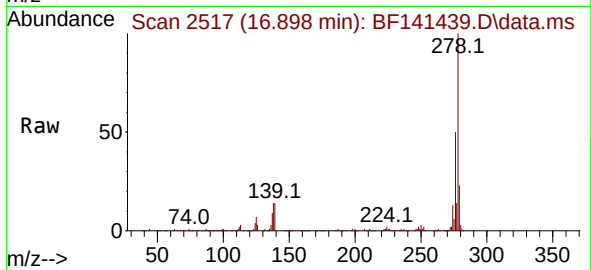
ClientSampleId :

PB166294BS

Tgt Ion:278 Resp: 43515
Ion Ratio Lower Upper
278 100
139 14.1 13.9 20.9
279 23.3 18.8 28.2

Manual Integrations
APPROVED

Reviewed By :Yogesh Patel 02/06/2025
Supervised By :mohammad ahmed 02/06/2025



#92
Benzo(g,h,i)perylene
Concen: 46.007 ng
RT: 17.315 min Scan# 2588
Delta R.T. -0.030 min
Lab File: BF141439.D
Acq: 05 Feb 2025 11:47

Tgt Ion:276 Resp: 407221
Ion Ratio Lower Upper
276 100
277 23.6 19.2 28.8
138 19.7 19.0 28.4

