

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF112525\
 Data File : BF144350.D
 Acq On : 25 Nov 2025 14:54
 Operator : RC/JU
 Sample : PB170730BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB170730BS

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 11/26/2025
 Supervised By :mohammad ahmed 11/27/2025

Quant Time: Nov 25 17:03:20 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF110525.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.863	152	61843	20.000	ng	-0.01
21) Naphthalene-d8	8.145	136	232918	20.000	ng	-0.01
39) Acenaphthene-d10	9.904	164	113683	20.000	ng	-0.01
64) Phenanthrene-d10	11.392	188	198856	20.000	ng	-0.01
76) Chrysene-d12	14.039	240	132740	20.000	ng	-0.01
86) Perylene-d12	15.515	264	166770	20.000	ng	-0.02
System Monitoring Compounds						
5) 2-Fluorophenol	5.492	112	349489	88.435	ng	0.00
7) Phenol-d6	6.498	99	396598	88.568	ng	0.00
23) Nitrobenzene-d5	7.428	82	346629	85.951	ng	0.00
42) 2,4,6-Tribromophenol	10.692	330	115813	81.182	ng	-0.01
45) 2-Fluorobiphenyl	9.222	172	695353	90.338	ng	0.00
79) Terphenyl-d14	12.980	244	698027	83.528	ng	-0.01
Target Compounds						Qvalue
2) 1,4-Dioxane	2.675	88	64585	39.529	ng	99
3) Pyridine	3.440	79	157901	34.641	ng	98
4) n-Nitrosodimethylamine	3.393	42	101457	42.611	ng	88
6) Aniline	6.528	93	149466	23.428	ng	94
8) 2-Chlorophenol	6.651	128	171834	44.337	ng	98
9) Benzaldehyde	6.434	77	248	0.098	ng	# 39
10) Phenol	6.510	94	227673	41.614	ng	98
11) bis(2-Chloroethyl)ether	6.598	93	177785	44.596	ng	98
12) 1,3-Dichlorobenzene	6.804	146	206426	43.164	ng	97
13) 1,4-Dichlorobenzene	6.881	146	207529	43.315	ng	99
14) 1,2-Dichlorobenzene	7.034	146	200186	43.592	ng	98
15) Benzyl Alcohol	7.004	79	156926	44.258	ng	98
16) 2,2'-oxybis(1-Chloropr...	7.134	45	337422	45.962	ng	94
17) 2-Methylphenol	7.116	107	136654	44.322	ng	98
18) Hexachloroethane	7.369	117	66228	41.606	ng	96
19) n-Nitroso-di-n-propyla...	7.275	70	122162	41.442	ng	98
20) 3+4-Methylphenols	7.269	107	149170	41.042	ng	95
22) Acetophenone	7.269	105	215890	43.207	ng	98
24) Nitrobenzene	7.445	77	189523	43.283	ng	97
25) Isophorone	7.686	82	339451	44.499	ng	99
26) 2-Nitrophenol	7.763	139	99171	45.752	ng	94
27) 2,4-Dimethylphenol	7.798	122	158102	48.665	ng	99
28) bis(2-Chloroethoxy)met...	7.892	93	212182	44.543	ng	98
29) 2,4-Dichlorophenol	8.004	162	156456	41.783	ng	100
30) 1,2,4-Trichlorobenzene	8.086	180	166193	43.223	ng	99
31) Naphthalene	8.169	128	476514	43.008	ng	99
32) Benzoic acid	7.928	122	96380	40.472	ng	95
33) 4-Chloroaniline	8.216	127	116523	28.836	ng	97
34) Hexachlorobutadiene	8.281	225	116070	40.055	ng	99
35) Caprolactam	8.586	113	46925m	45.742	ng	
36) 4-Chloro-3-methylphenol	8.698	107	137357	40.931	ng	98
37) 2-Methylnaphthalene	8.857	142	307456	41.504	ng	100
38) 1-Methylnaphthalene	8.957	142	285406	39.930	ng	100
40) 1,2,4,5-Tetrachloroben...	9.022	216	171267	45.968	ng	99
41) Hexachlorocyclopentadiene	9.010	237	124503	83.912	ng	97
43) 2,4,6-Trichlorophenol	9.139	196	114449	45.133	ng	100

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Nov 05 18:37:33 2025
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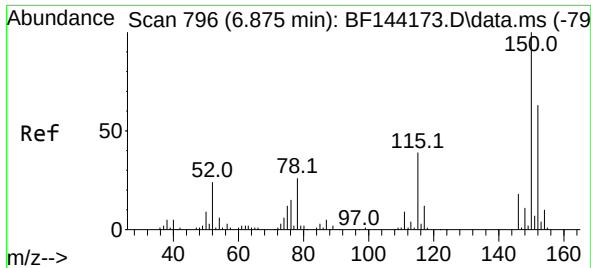
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.186	196	118753	43.451	ng	99
46) 1,1'-Biphenyl	9.322	154	377368	47.555	ng	99
47) 2-Chloronaphthalene	9.351	162	318427	47.042	ng	99
48) 2-Nitroaniline	9.445	65	90508	46.341	ng	95
49) Acenaphthylene	9.763	152	449208	48.698	ng	99
50) Dimethylphthalate	9.622	163	346493	46.007	ng	100
51) 2,6-Dinitrotoluene	9.686	165	75673	49.636	ng	97
52) Acenaphthene	9.933	154	265215	42.995	ng	100
53) 3-Nitroaniline	9.857	138	59429	35.659	ng	99
54) 2,4-Dinitrophenol	9.975	184	83156	90.326	ng	91
55) Dibenzofuran	10.110	168	391375	45.303	ng	98
56) 4-Nitrophenol	10.027	139	97639	80.991	ng	93
57) 2,4-Dinitrotoluene	10.092	165	94303	46.206	ng	99
58) Fluorene	10.451	166	302636	46.074	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.227	232	87926	45.472	ng	98
60) Diethylphthalate	10.322	149	310275	44.691	ng	100
61) 4-Chlorophenyl-phenyle...	10.439	204	163940	43.816	ng	97
62) 4-Nitroaniline	10.475	138	67768	42.698	ng	92
63) Azobenzene	10.604	77	295478	45.730	ng	96
65) 4,6-Dinitro-2-methylph...	10.504	198	56872	42.099	ng	97
66) n-Nitrosodiphenylamine	10.563	169	283440	44.317	ng	99
67) 4-Bromophenyl-phenylether	10.933	248	106088	41.796	ng	99
68) Hexachlorobenzene	11.004	284	126307	42.248	ng	94
69) Atrazine	11.086	200	53907	26.503	ng	98
70) Pentachlorophenol	11.198	266	109781	73.741	ng	98
71) Phenanthrene	11.416	178	433701	43.805	ng	100
72) Anthracene	11.469	178	425180	42.233	ng	99
73) Carbazole	11.627	167	364792	42.613	ng	99
74) Di-n-butylphthalate	11.945	149	440590	42.574	ng	99
75) Fluoranthene	12.610	202	442233	43.240	ng	99
77) Benzidine	12.733	184	34802	8.864	ng	100
78) Pyrene	12.839	202	448343	41.891	ng	99
80) Butylbenzylphthalate	13.451	149	172020	46.374	ng	98
81) Benzo(a)anthracene	14.027	228	455856	49.550	ng	98
82) 3,3'-Dichlorobenzidine	13.992	252	145752	46.219	ng	97
83) Chrysene	14.068	228	394462	46.447	ng	99
84) Bis(2-ethylhexyl)phtha...	14.010	149	244500	48.149	ng	99
85) Di-n-octyl phthalate	14.621	149	446718	50.988	ng	99
87) Indeno(1,2,3-cd)pyrene	17.027	276	578262	48.304	ng	98
88) Benzo(b)fluoranthene	15.086	252	537665	56.708	ng	98
89) Benzo(k)fluoranthene	15.115	252	415699	46.843	ng	99
90) Benzo(a)pyrene	15.457	252	426596	48.772	ng	98
91) Dibenzo(a,h)anthracene	17.039	278	478350	49.754	ng	99
92) Benzo(g,h,i)perylene	17.480	276	481091	50.672	ng	98

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

Manual Integrations APPROVED

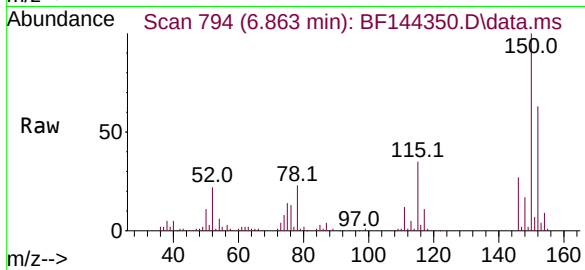
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.863 min Scan# 79
Delta R.T. -0.012 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

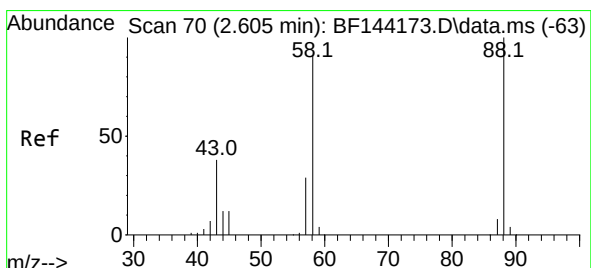
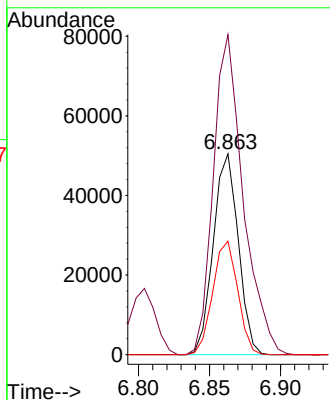
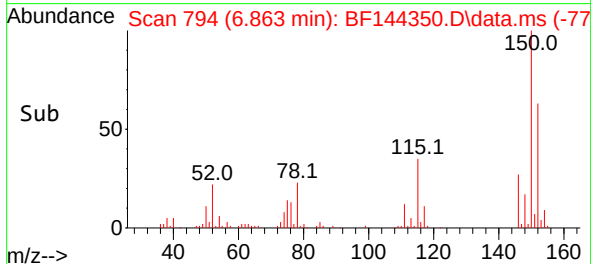
Instrument :
BNA_F
ClientSampleId :
PB170730BS



Tgt Ion:152 Resp: 61843
Ion Ratio Lower Upper
152 100
150 159.5 127.4 191.0
115 56.5 49.5 74.3

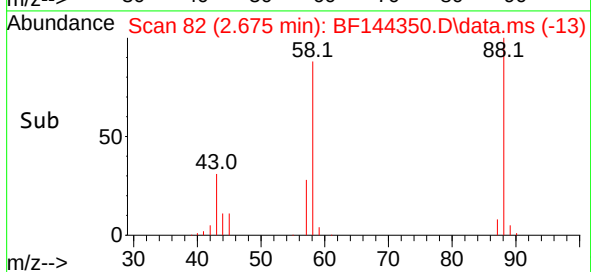
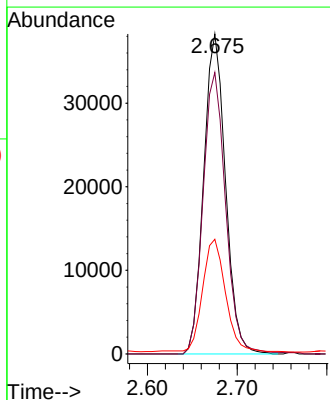
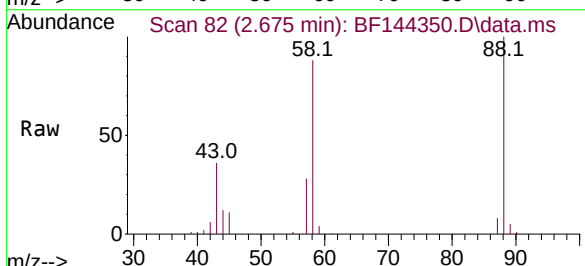
Manual Integrations
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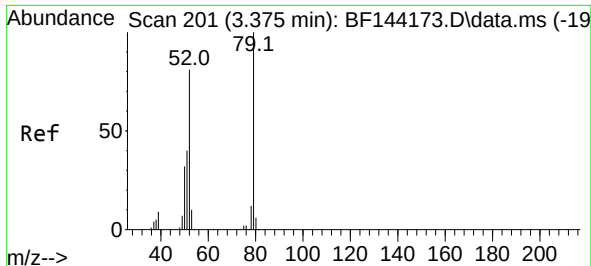
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025



#2
1,4-Dioxane
Concen: 39.529 ng
RT: 2.675 min Scan# 82
Delta R.T. 0.059 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

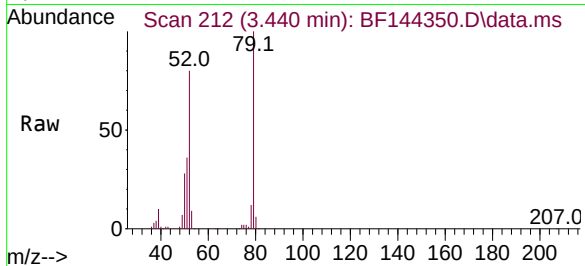
Tgt Ion: 88 Resp: 64585
Ion Ratio Lower Upper
88 100
58 91.2 73.1 109.7
43 37.1 31.0 46.6





#3
Pyridine
Concen: 34.641 ng
RT: 3.440 min Scan# 21
Delta R.T. 0.029 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

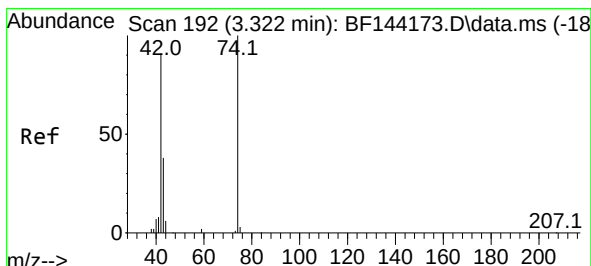
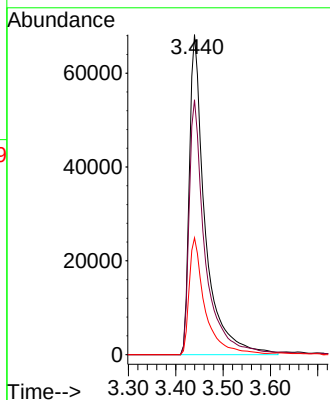
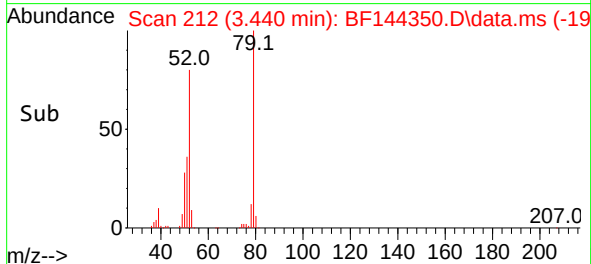
Instrument :
BNA_F
ClientSampleId :
PB170730BS



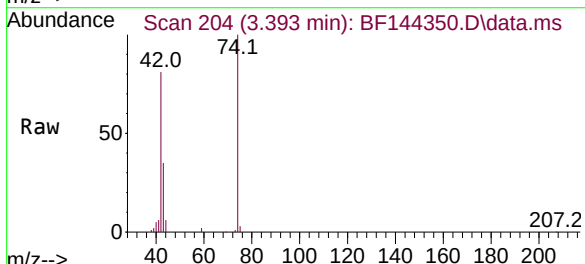
Tgt Ion: 79 Resp: 15790
Ion Ratio Lower Upper
79 100
52 79.6 64.5 96.7
51 36.5 31.7 47.5

Manual Integrations
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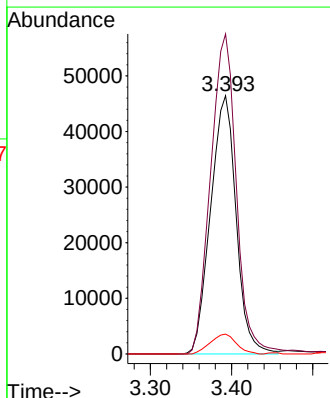
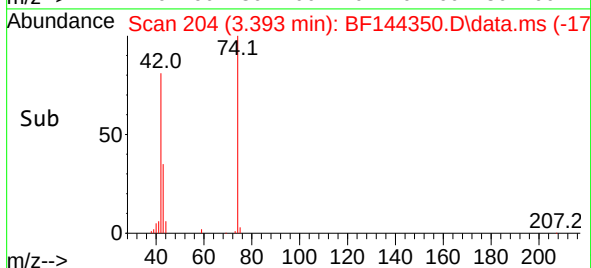
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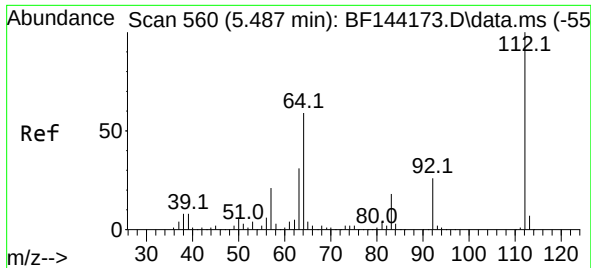


#4
n-Nitrosodimethylamine
Concen: 42.611 ng
RT: 3.393 min Scan# 204
Delta R.T. 0.047 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54



Tgt Ion: 42 Resp: 101457
Ion Ratio Lower Upper
42 100
74 124.0 88.2 132.4
44 7.6 5.7 8.5





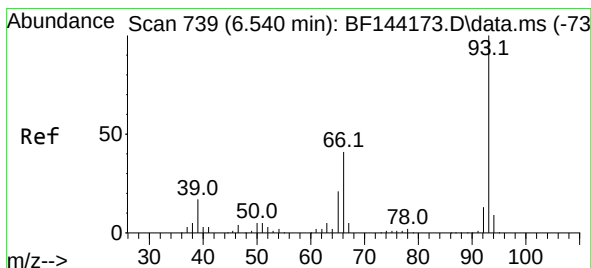
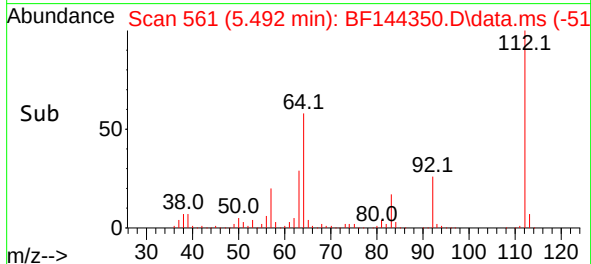
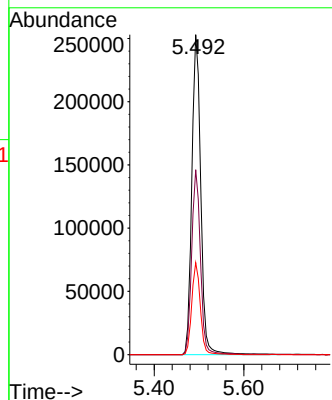
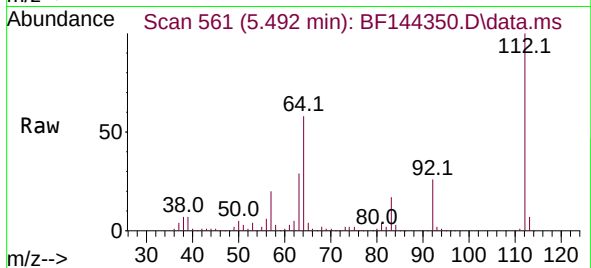
#5
2-Fluorophenol
Concen: 88.435 ng
RT: 5.492 min Scan# 50
Delta R.T. -0.000 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

Instrument :
BNA_F
ClientSampleId :
PB170730BS

Tgt Ion:112 Resp: 349489
Ion Ratio Lower Upper
112 100
64 57.8 47.2 70.8
63 28.7 24.4 36.6

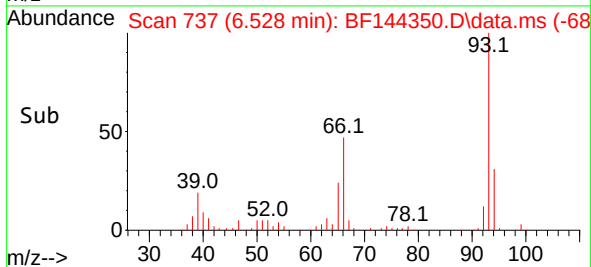
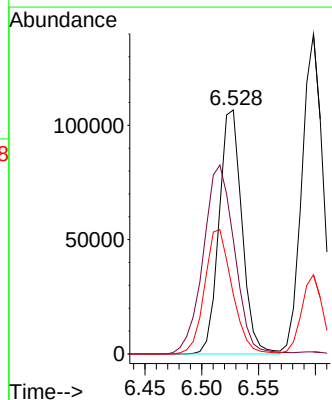
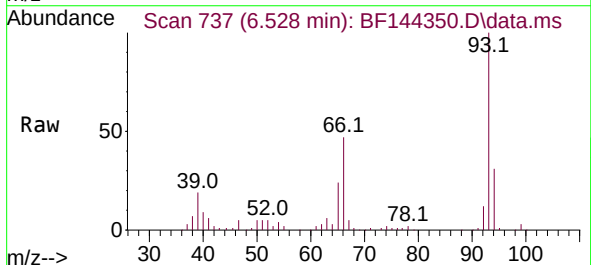
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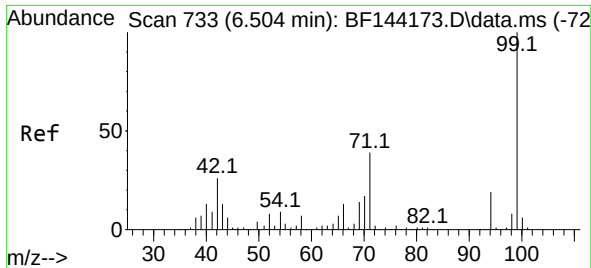
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025



#6
Aniline
Concen: 23.428 ng
RT: 6.528 min Scan# 737
Delta R.T. -0.006 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

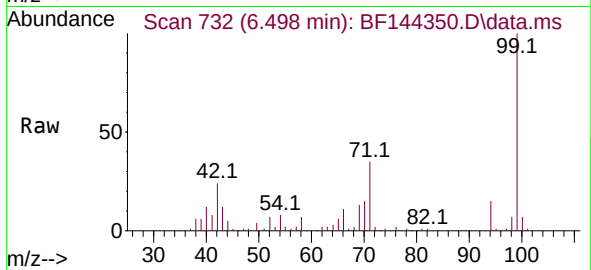
Tgt Ion: 93 Resp: 149466
Ion Ratio Lower Upper
93 100
66 46.7 34.3 51.5
65 24.4 16.9 25.3





#7
Phenol-d6
Concen: 88.568 ng
RT: 6.498 min Scan# 733
Delta R.T. -0.000 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

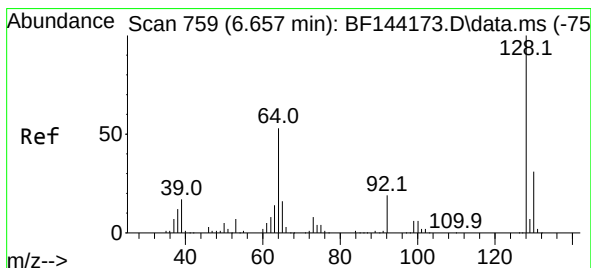
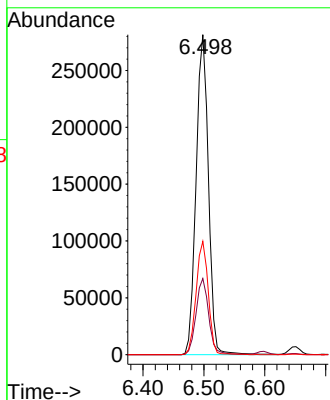
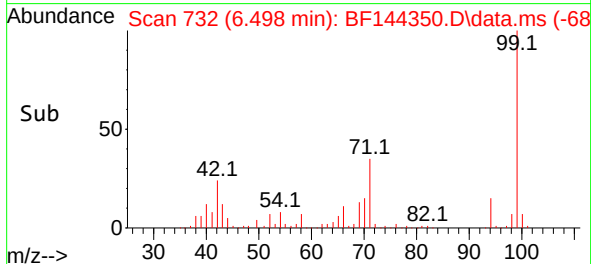
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 396598
Ion Ratio Lower Upper
99 100
42 23.8 20.9 31.3
71 35.4 31.4 47.2

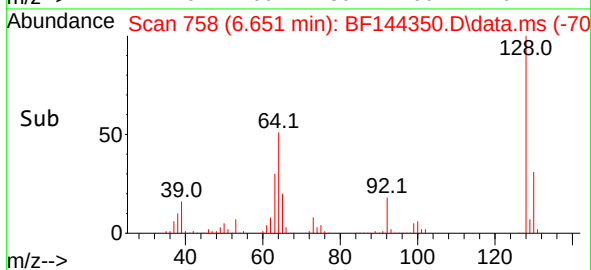
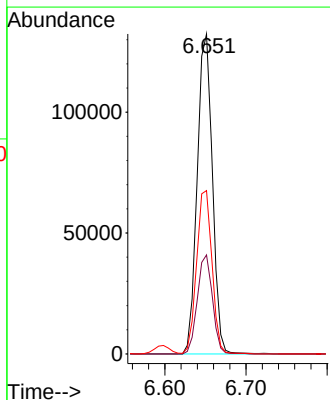
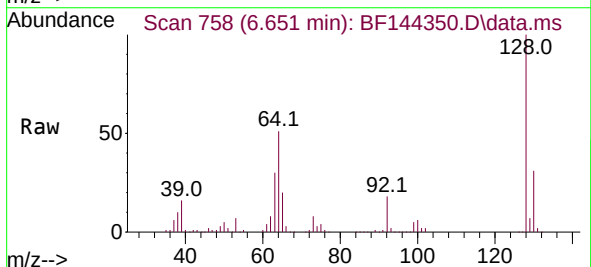
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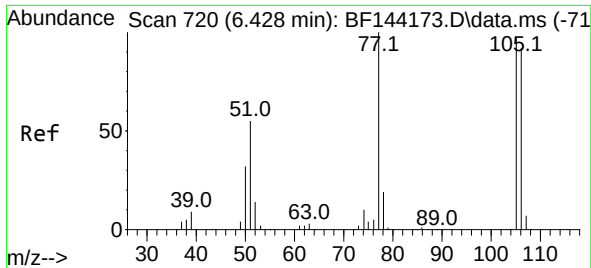
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025



#8
2-Chlorophenol
Concen: 44.337 ng
RT: 6.651 min Scan# 758
Delta R.T. -0.006 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

Tgt Ion:128 Resp: 171834
Ion Ratio Lower Upper
128 100
130 30.9 10.5 50.5
64 51.0 33.2 73.2





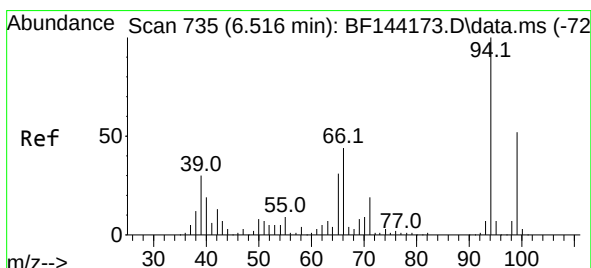
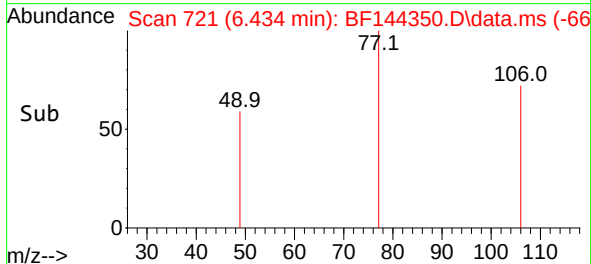
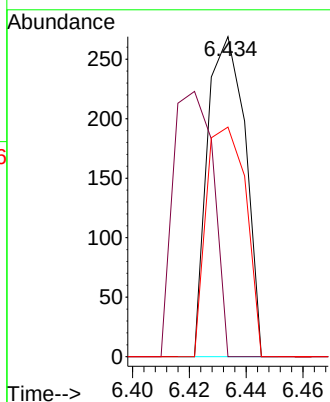
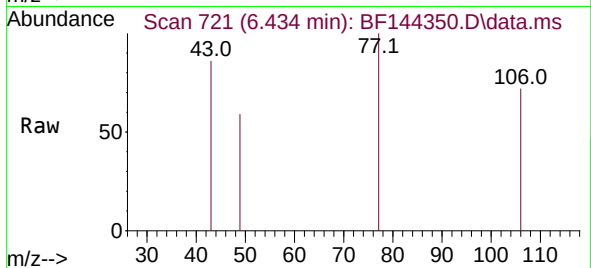
#9
Benzaldehyde
Concen: 0.098 ng
RT: 6.434 min Scan# 721
Delta R.T. 0.006 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

Instrument :
BNA_F
ClientSampleId :
PB170730BS

Tgt Ion: 77	Resp: 248
Ion Ratio	Lower Upper
77 100	
105 0.0	77.2 117.2
106 71.7	72.2 112.2

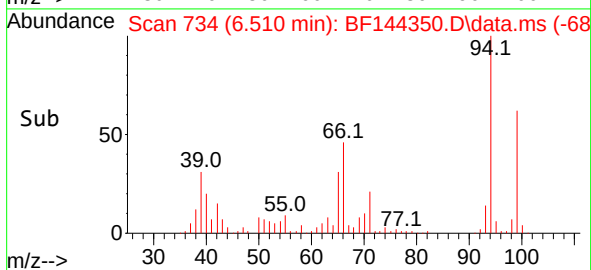
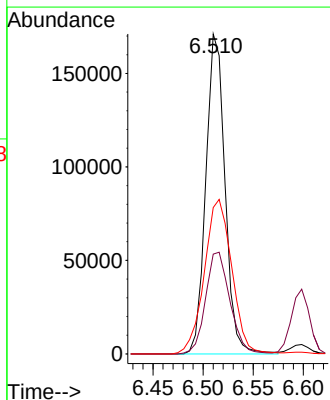
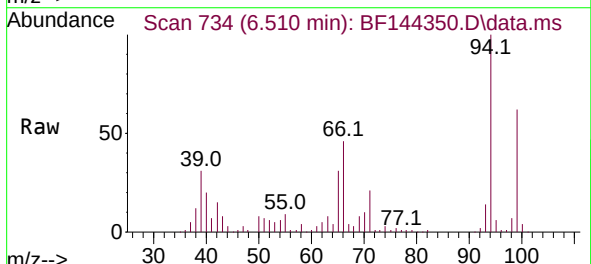
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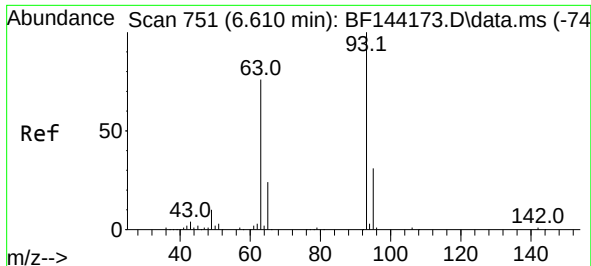
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025



#10
Phenol
Concen: 41.614 ng
RT: 6.510 min Scan# 734
Delta R.T. -0.000 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

Tgt Ion: 94	Resp: 227673
Ion Ratio	Lower Upper
94 100	
65 31.2	10.8 50.8
66 45.7	24.3 64.3





#11

bis(2-Chloroethyl)ether

Concen: 44.596 ng

RT: 6.598 min Scan# 74

Delta R.T. -0.006 min

Lab File: BF144350.D

Acq: 25 Nov 2025 14:54

Instrument :

BNA_F

ClientSampleId :

PB170730BS

Tgt Ion: 93 Resp: 177785

Ion Ratio Lower Upper

93 100

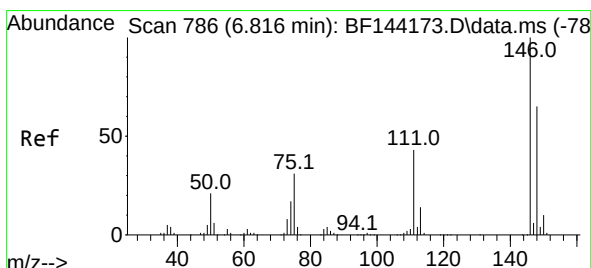
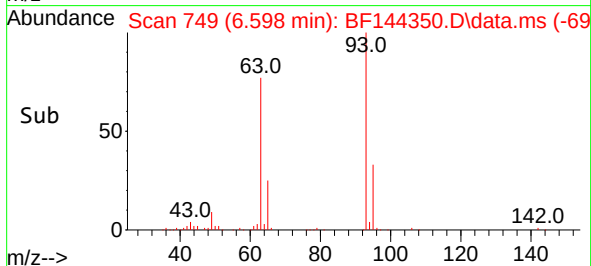
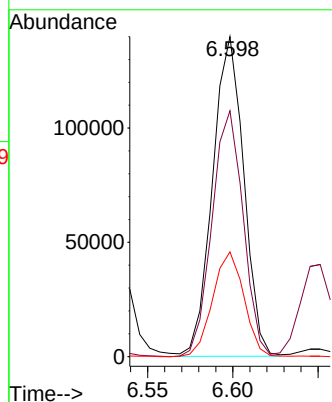
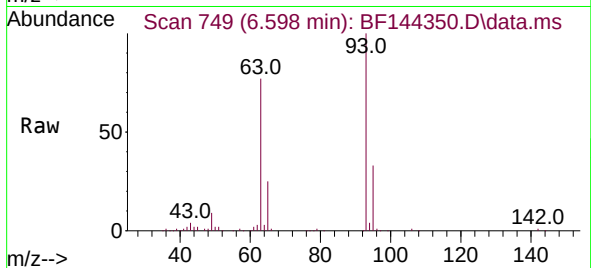
63 76.8 55.2 95.2

95 32.7 11.2 51.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025



#12

1,3-Dichlorobenzene

Concen: 43.164 ng

RT: 6.804 min Scan# 784

Delta R.T. -0.012 min

Lab File: BF144350.D

Acq: 25 Nov 2025 14:54

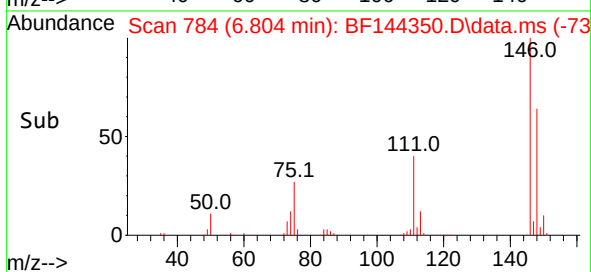
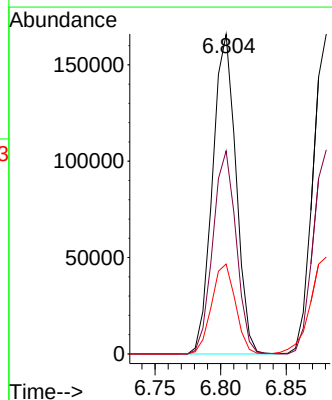
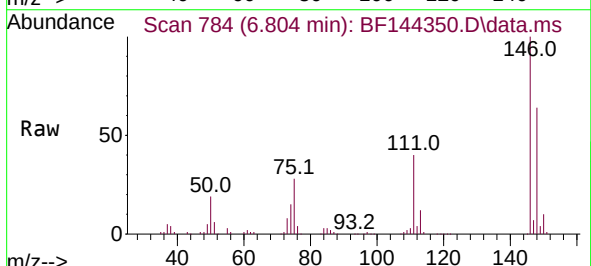
Tgt Ion:146 Resp: 206426

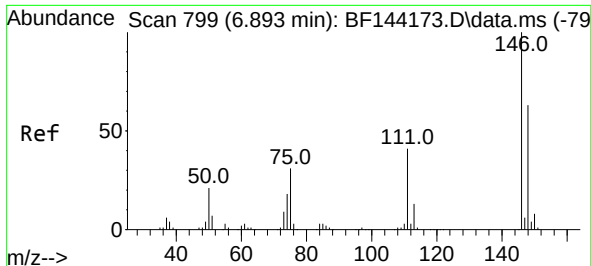
Ion Ratio Lower Upper

146 100

148 63.5 51.8 77.8

75 28.1 25.0 37.4





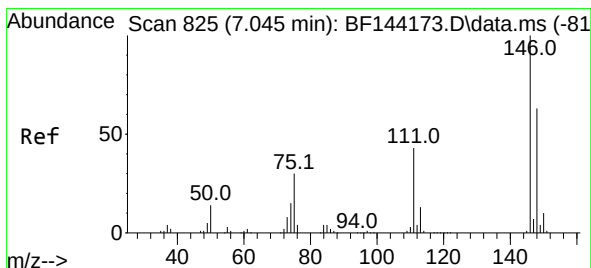
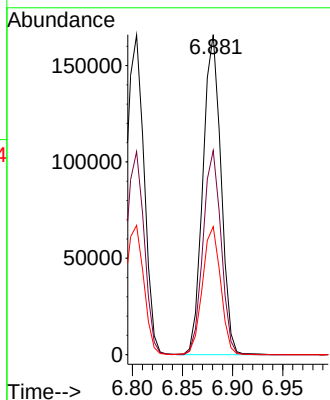
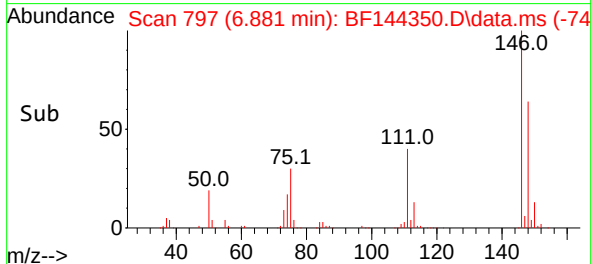
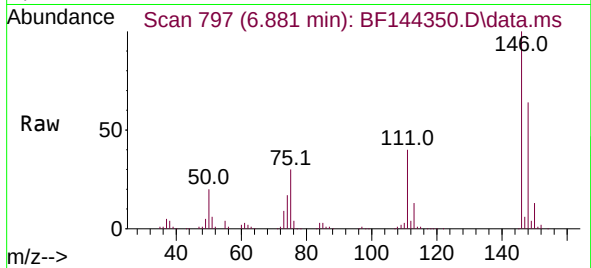
#13
1,4-Dichlorobenzene
Concen: 43.315 ng
RT: 6.881 min Scan# 799
Delta R.T. -0.012 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

Instrument :
BNA_F
ClientSampleId :
PB170730BS

Tgt Ion:146 Resp: 207529
Ion Ratio Lower Upper
146 100
148 63.8 50.2 75.2
111 40.0 32.6 48.8

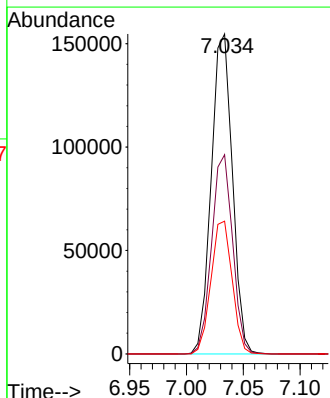
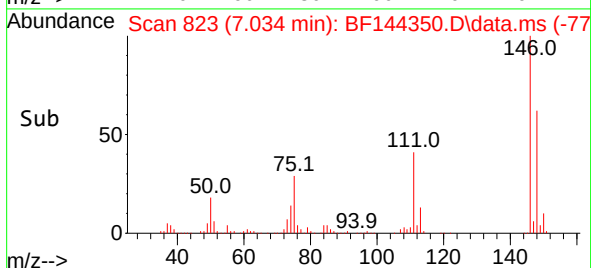
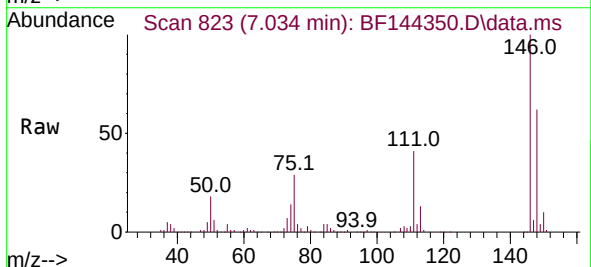
Manual Integrations
APPROVED

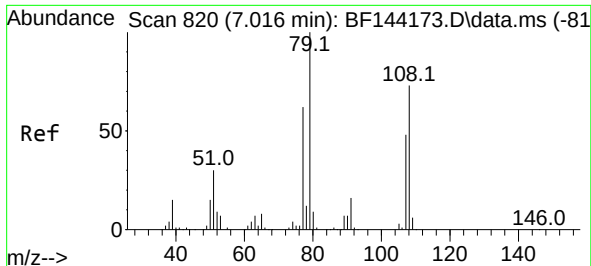
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025



#14
1,2-Dichlorobenzene
Concen: 43.592 ng
RT: 7.034 min Scan# 823
Delta R.T. -0.012 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

Tgt Ion:146 Resp: 200186
Ion Ratio Lower Upper
146 100
148 62.2 50.7 76.1
111 41.5 34.2 51.4





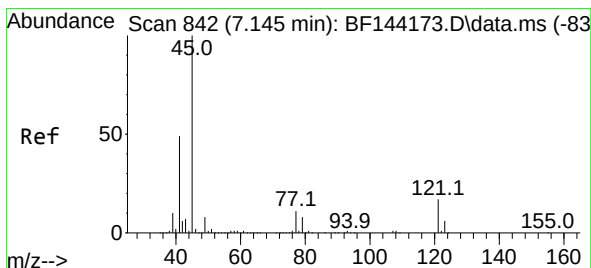
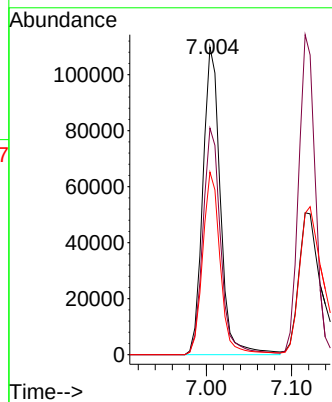
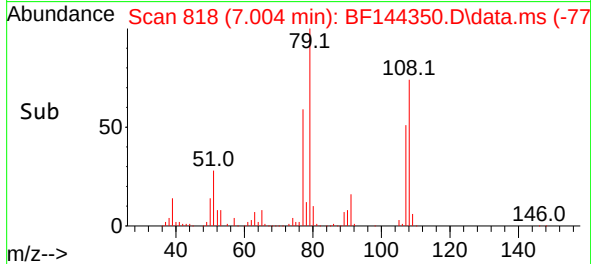
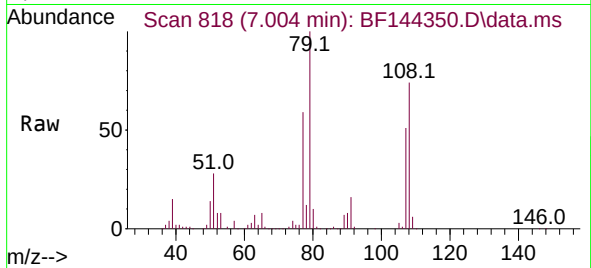
#15
Benzyl Alcohol
Concen: 44.258 ng
RT: 7.004 min Scan# 81
Delta R.T. -0.018 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

Instrument :
BNA_F
ClientSampleId :
PB170730BS

Tgt Ion: 79 Resp: 156926
Ion Ratio Lower Upper
79 100
108 73.6 58.2 87.4
77 59.3 49.9 74.9

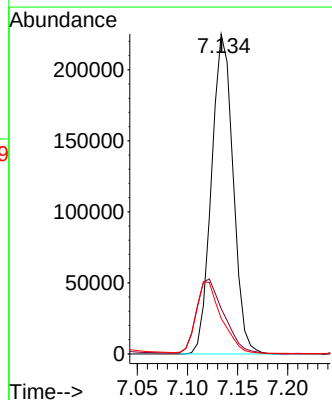
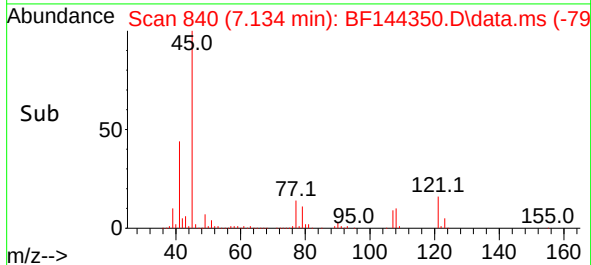
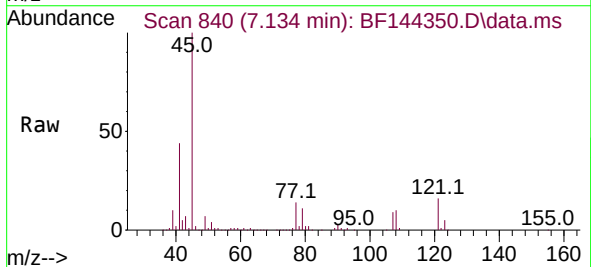
Manual Integrations
APPROVED

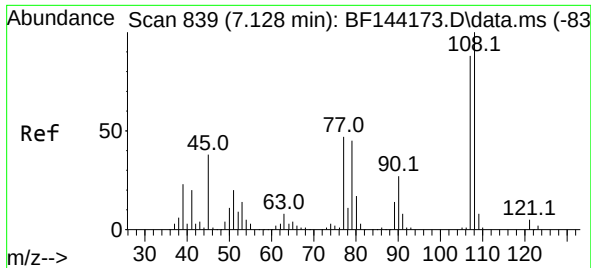
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.962 ng
RT: 7.134 min Scan# 840
Delta R.T. -0.006 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

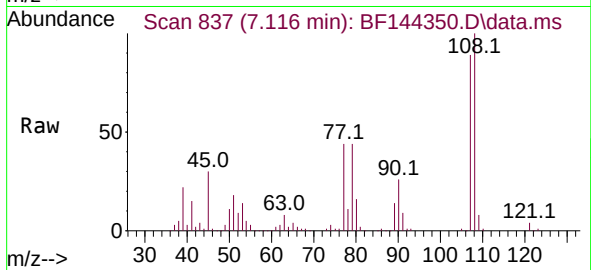
Tgt Ion: 45 Resp: 337422
Ion Ratio Lower Upper
45 100
77 14.1 0.0 31.8
79 11.1 0.0 29.1





#17
2-Methylphenol
Concen: 44.322 ng
RT: 7.116 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

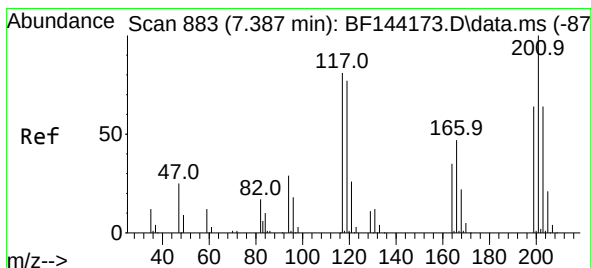
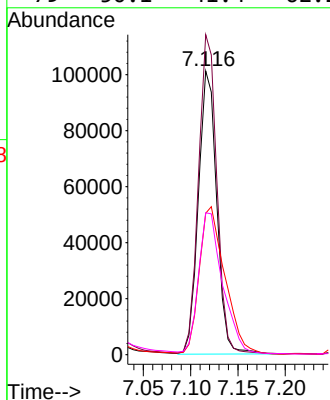
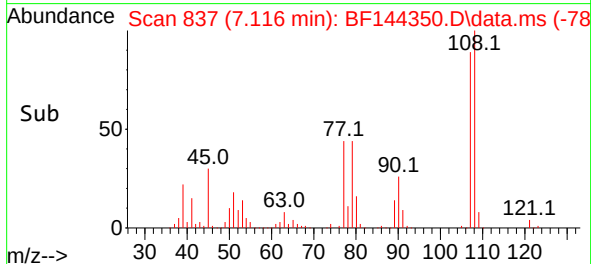
Instrument :
BNA_F
ClientSampleId :
PB170730BS



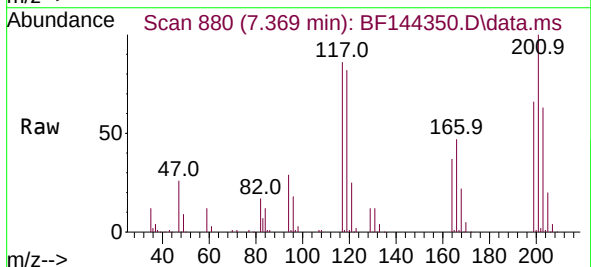
Tgt Ion:107 Resp: 136654
Ion Ratio Lower Upper
107 100
108 112.9 91.0 136.4
77 49.9 42.7 64.1
79 50.1 41.4 62.2

Manual Integrations
APPROVED

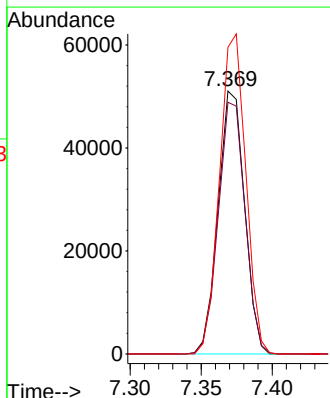
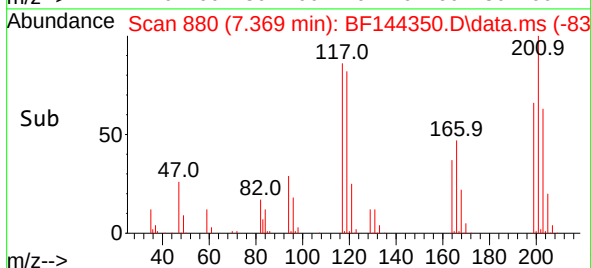
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025

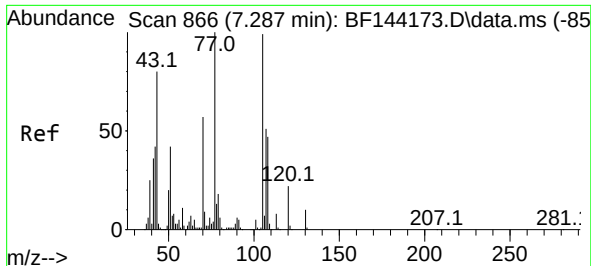


#18
Hexachloroethane
Concen: 41.606 ng
RT: 7.369 min Scan# 880
Delta R.T. -0.018 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54



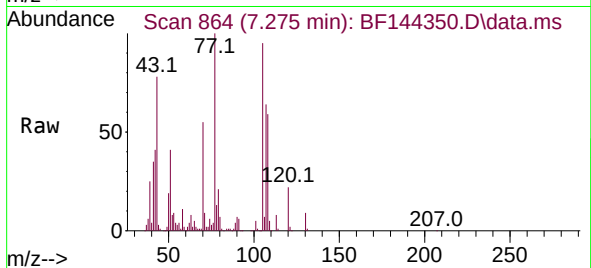
Tgt Ion:117 Resp: 66228
Ion Ratio Lower Upper
117 100
119 95.8 75.8 113.8
201 116.7 98.9 148.3





#19
n-Nitroso-di-n-propylamine
Concen: 41.442 ng
RT: 7.275 min Scan# 864
Delta R.T. -0.000 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

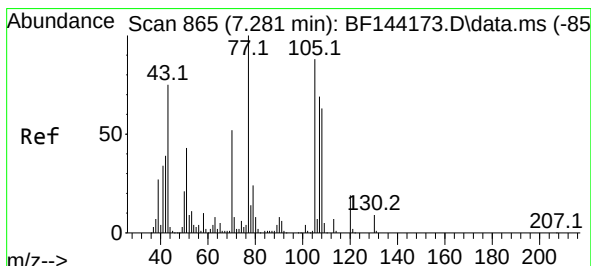
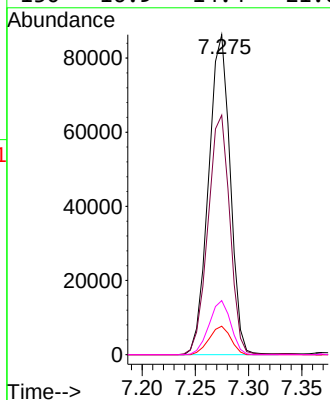
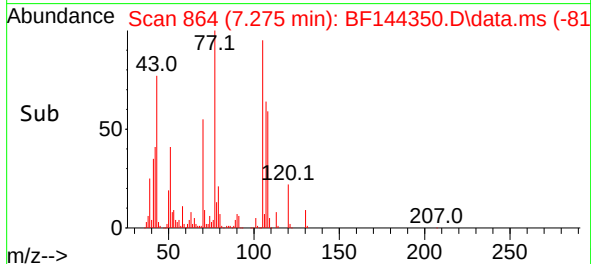
Instrument :
BNA_F
ClientSampleId :
PB170730BS



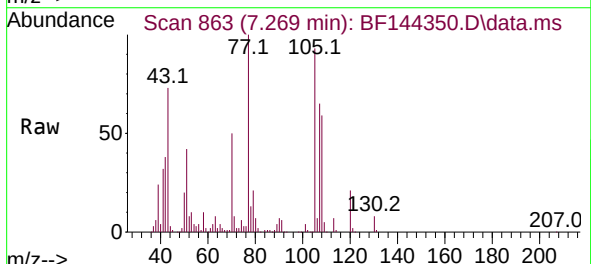
Tgt Ion: 70 Resp: 122162
Ion Ratio Lower Upper
70 100
42 74.9 58.3 87.5
101 8.9 7.0 10.6
130 16.9 14.4 21.6

Manual Integrations
APPROVED

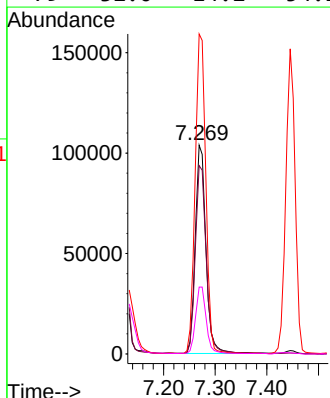
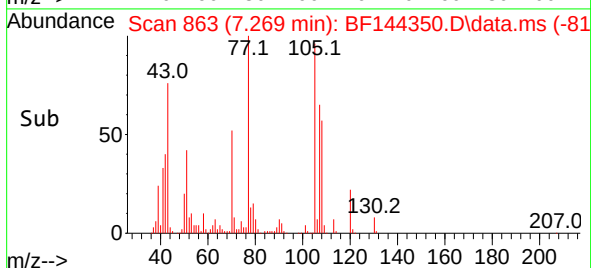
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025

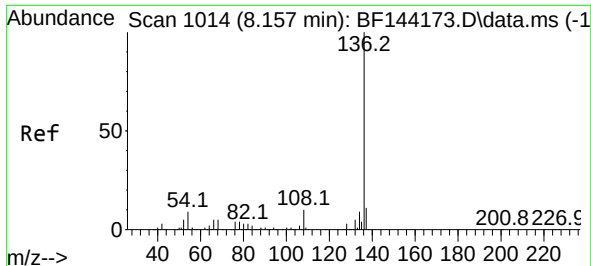


#20
3+4-Methylphenols
Concen: 41.042 ng
RT: 7.269 min Scan# 863
Delta R.T. -0.018 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54



Tgt Ion:107 Resp: 149170
Ion Ratio Lower Upper
107 100
108 90.2 70.2 110.2
77 153.3 123.9 163.9
79 32.0 14.2 54.2





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.145 min Scan# 1014
Delta R.T. -0.012 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

Instrument :

BNA_F

ClientSampleId :

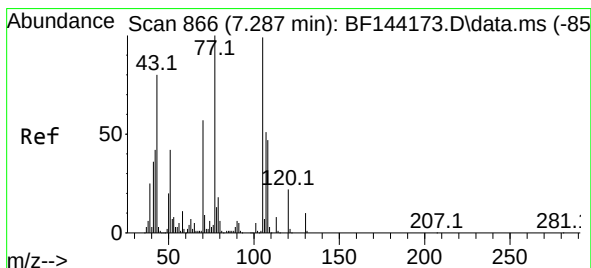
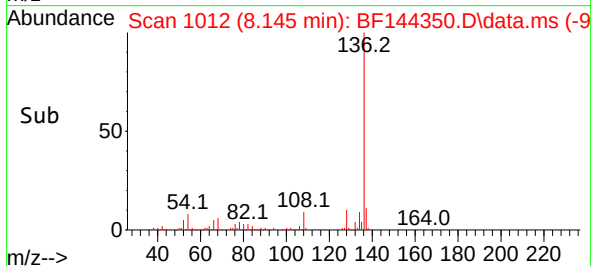
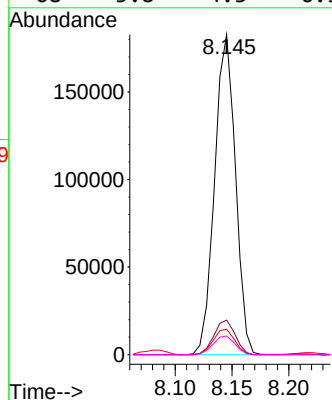
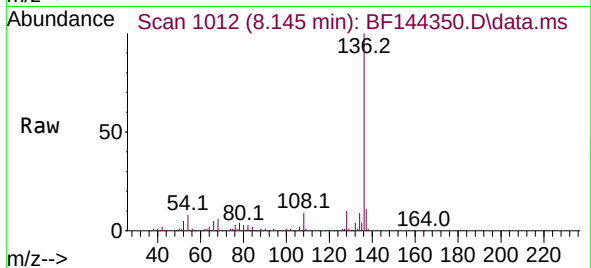
PB170730BS

Tgt Ion:136 Resp: 232918
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 7.9 7.0 10.6
68 5.8 4.3 6.5

Manual Integrations

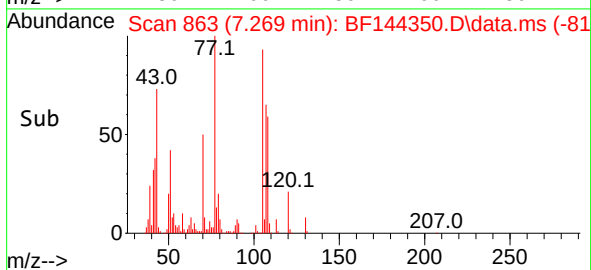
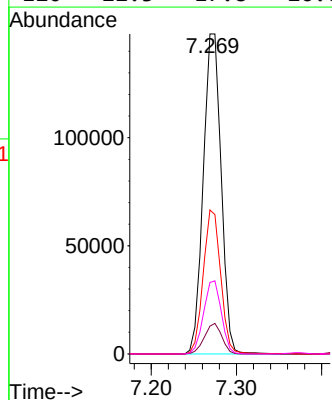
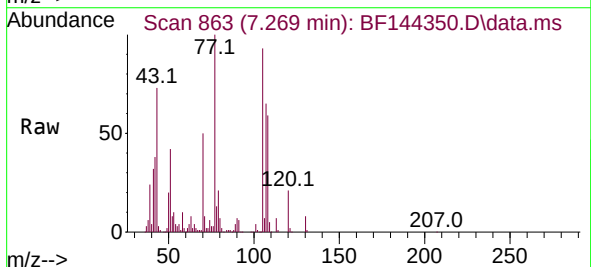
APPROVED

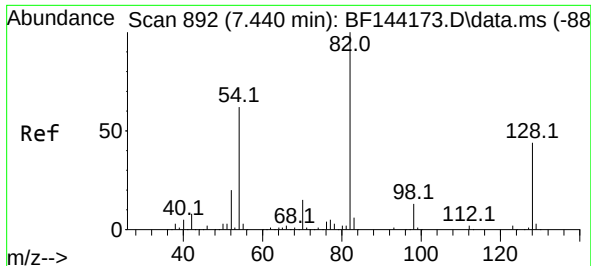
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025



#22
Acetophenone
Concen: 43.207 ng
RT: 7.269 min Scan# 863
Delta R.T. -0.012 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

Tgt Ion:105 Resp: 215890
Ion Ratio Lower Upper
105 100
71 8.7 7.2 10.8
51 45.0 34.0 51.0
120 22.3 17.8 26.6





#23

Nitrobenzene-d5

Concen: 85.951 ng

RT: 7.428 min Scan# 892

Delta R.T. -0.006 min

Lab File: BF144350.D

Acq: 25 Nov 2025 14:54

Instrument :

BNA_F

ClientSampleId :

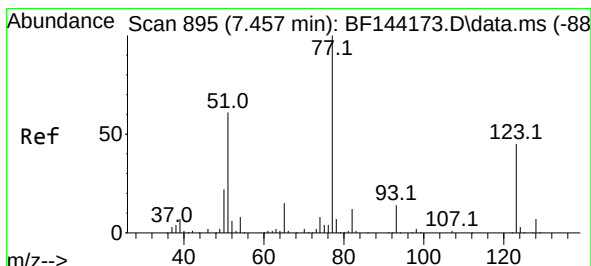
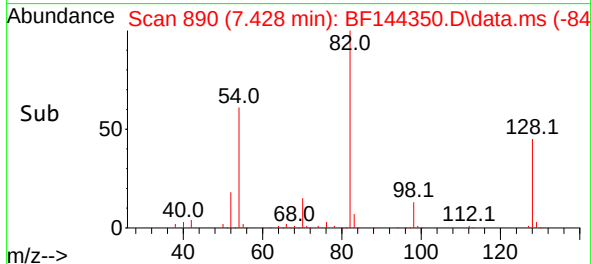
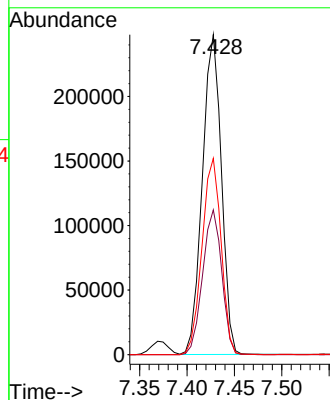
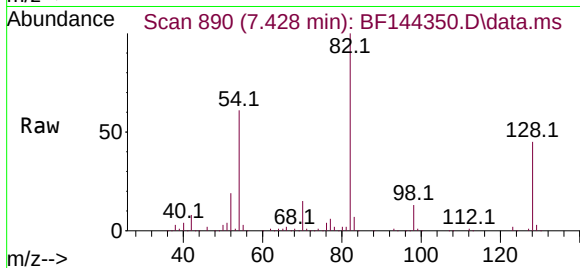
PB170730BS

Tgt Ion: 82 Resp: 346629
 Ion Ratio Lower Upper
 82 100
 128 45.2 34.7 52.1
 54 61.3 49.5 74.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/26/2025
 Supervised By :mohammad ahmed 11/27/2025



#24

Nitrobenzene

Concen: 43.283 ng

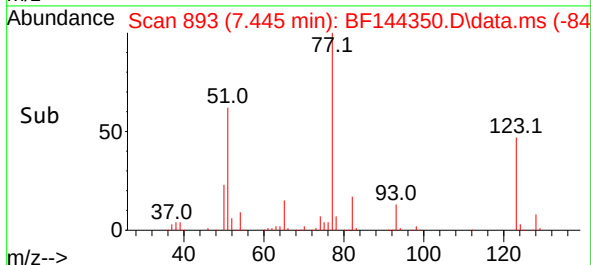
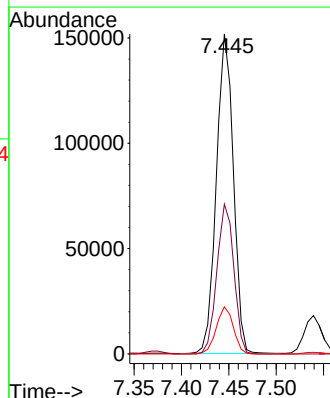
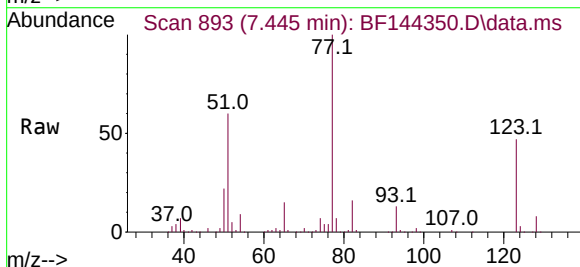
RT: 7.445 min Scan# 893

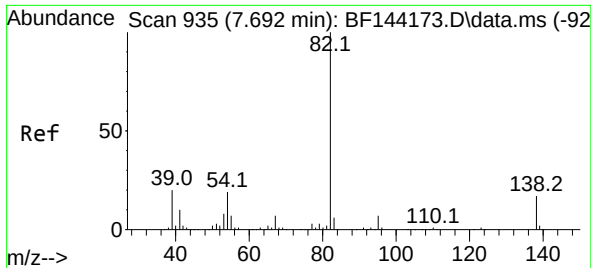
Delta R.T. -0.006 min

Lab File: BF144350.D

Acq: 25 Nov 2025 14:54

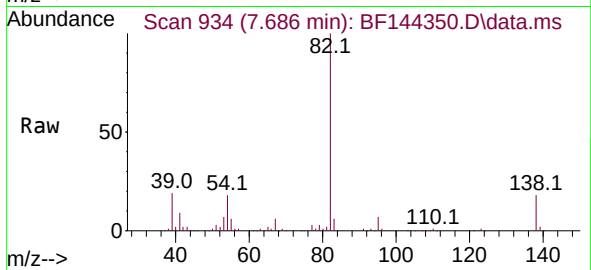
Tgt Ion: 77 Resp: 189523
 Ion Ratio Lower Upper
 77 100
 123 46.9 35.8 53.8
 65 14.7 12.2 18.2





#25
Isophorone
Concen: 44.499 ng
RT: 7.686 min Scan# 934
Delta R.T. -0.000 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

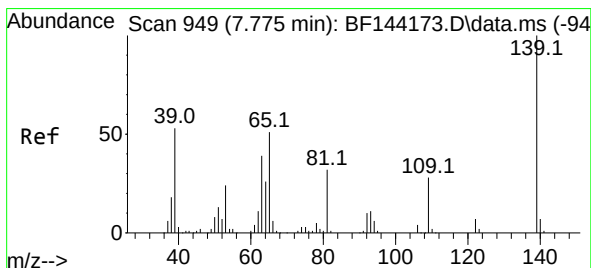
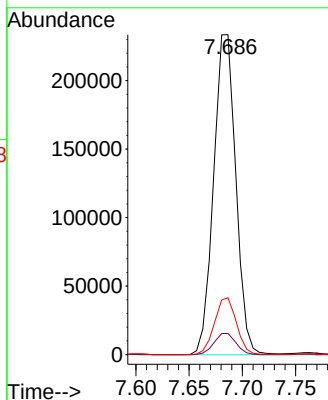
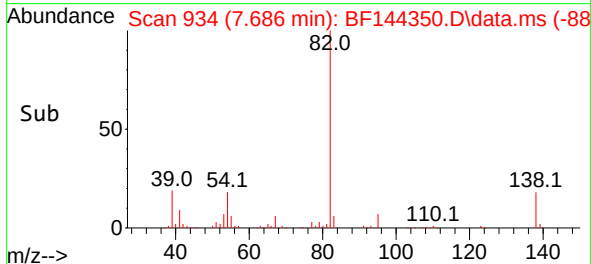
Instrument :
BNA_F
ClientSampleId :
PB170730BS



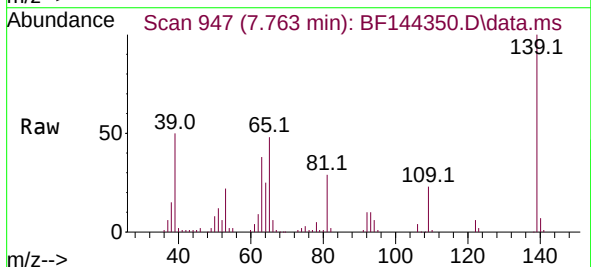
Tgt Ion: 82 Resp: 33945
Ion Ratio Lower Upper
82 100
95 6.6 5.5 8.3
138 17.8 13.7 20.5

Manual Integrations
APPROVED

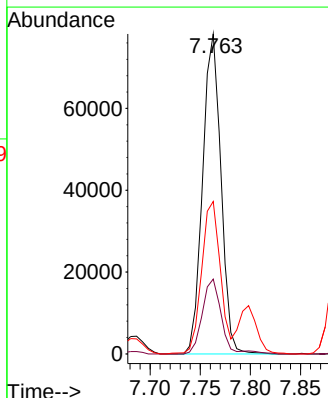
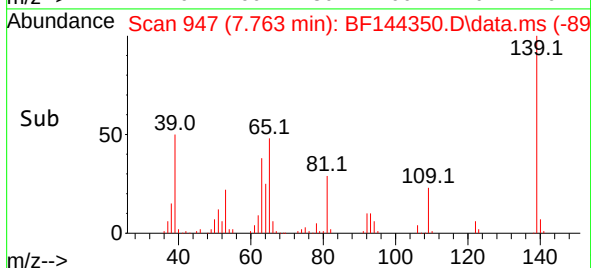
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025

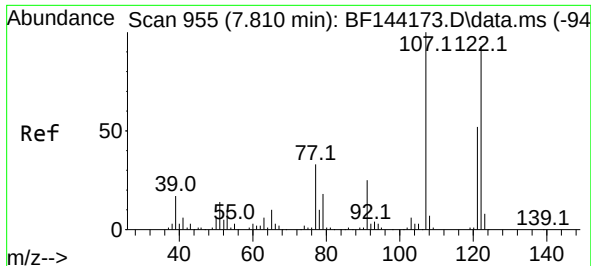


#26
2-Nitrophenol
Concen: 45.752 ng
RT: 7.763 min Scan# 947
Delta R.T. -0.012 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54



Tgt Ion:139 Resp: 99171
Ion Ratio Lower Upper
139 100
109 23.4 22.2 33.2
65 47.6 40.7 61.1





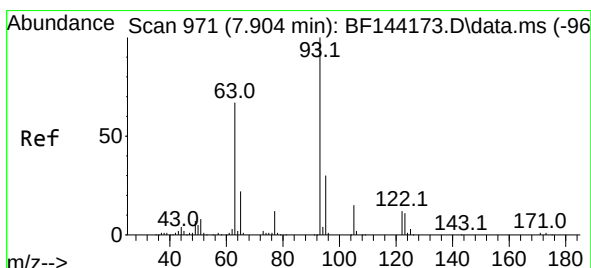
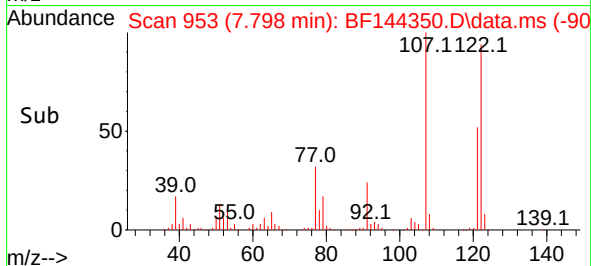
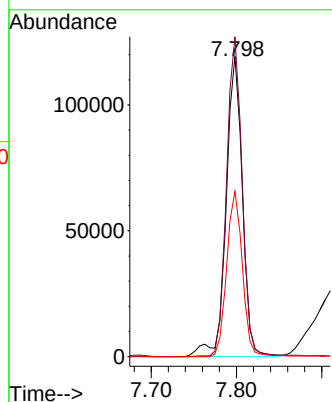
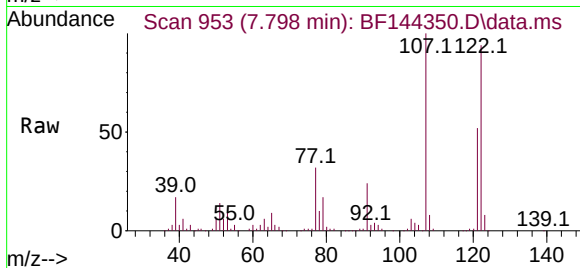
#27
2,4-Dimethylphenol
Concen: 48.665 ng
RT: 7.798 min Scan# 911
Delta R.T. -0.006 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

Instrument :
BNA_F
ClientSampleId :
PB170730BS

Tgt Ion:122 Resp: 158102
Ion Ratio Lower Upper
122 100
107 106.6 86.2 129.4
121 55.0 44.6 66.8

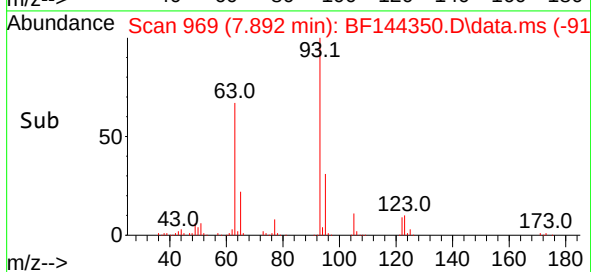
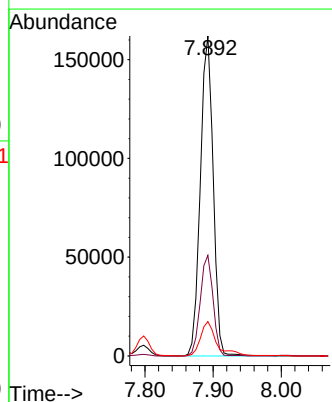
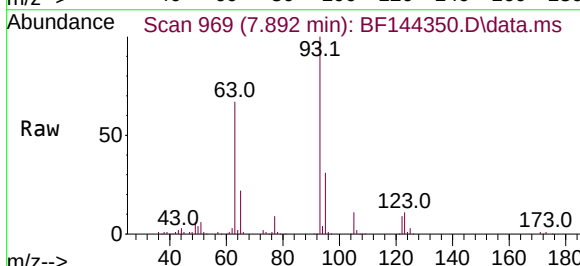
Manual Integrations
APPROVED

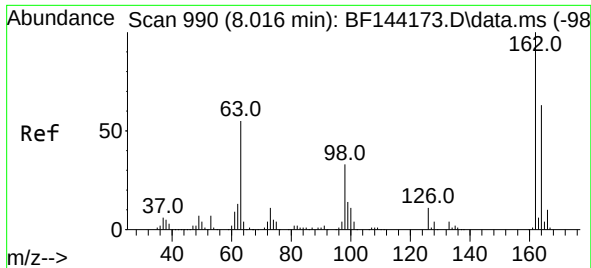
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025



#28
bis(2-Chloroethoxy)methane
Concen: 44.543 ng
RT: 7.892 min Scan# 969
Delta R.T. -0.006 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

Tgt Ion: 93 Resp: 212182
Ion Ratio Lower Upper
93 100
95 31.4 24.2 36.4
123 10.7 9.0 13.4





#29

2,4-Dichlorophenol

Concen: 41.783 ng

RT: 8.004 min Scan# 98

Delta R.T. -0.012 min

Lab File: BF144350.D

Acq: 25 Nov 2025 14:54

Instrument :

BNA_F

ClientSampleId :

PB170730BS

Tgt Ion:162 Resp: 156456

Ion Ratio Lower Upper

162 100

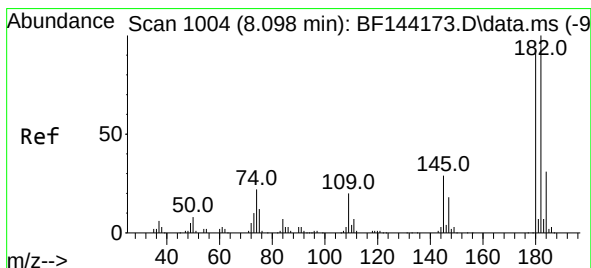
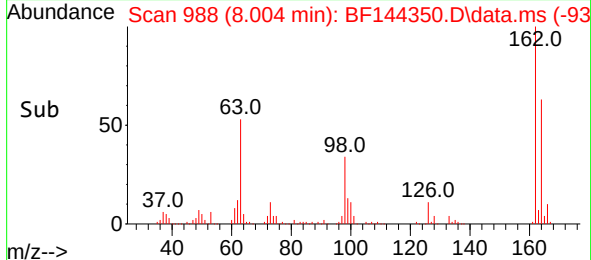
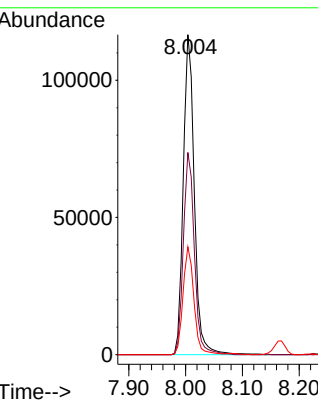
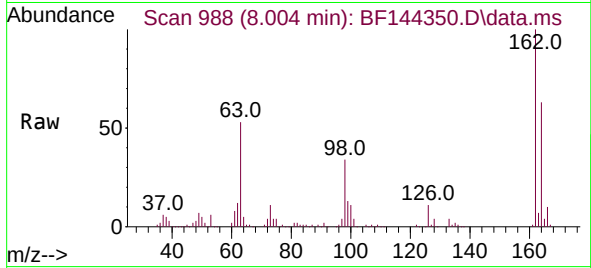
164 63.2 42.9 82.9

98 33.7 13.3 53.3

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025



#30

1,2,4-Trichlorobenzene

Concen: 43.223 ng

RT: 8.086 min Scan# 1002

Delta R.T. -0.012 min

Lab File: BF144350.D

Acq: 25 Nov 2025 14:54

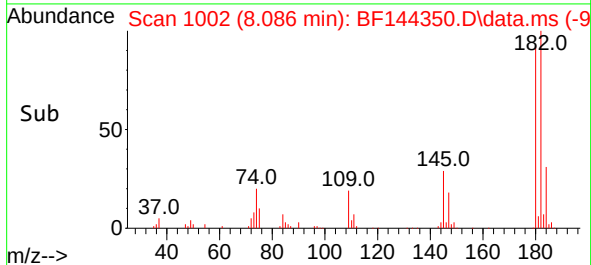
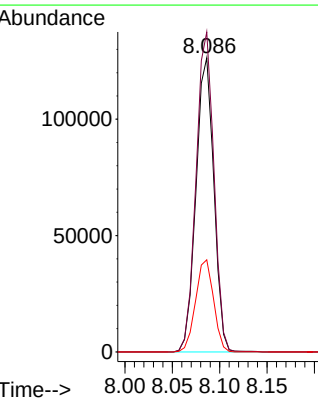
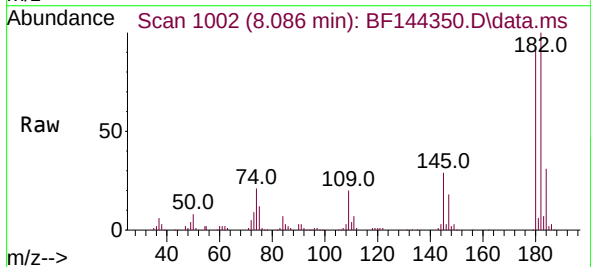
Tgt Ion:180 Resp: 166193

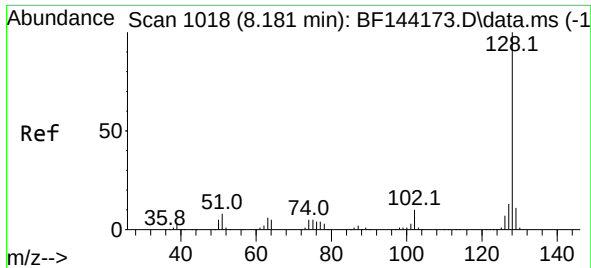
Ion Ratio Lower Upper

180 100

182 108.9 87.7 131.5

145 31.3 25.4 38.0





#31
Naphthalene
Concen: 43.008 ng
RT: 8.169 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

Instrument :

BNA_F

ClientSampleId :

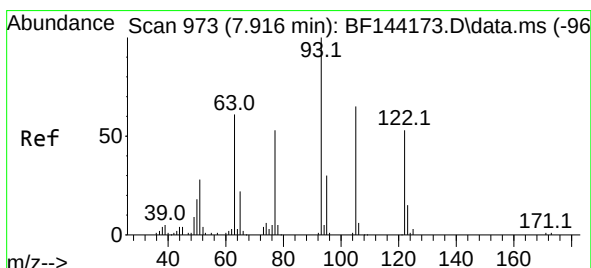
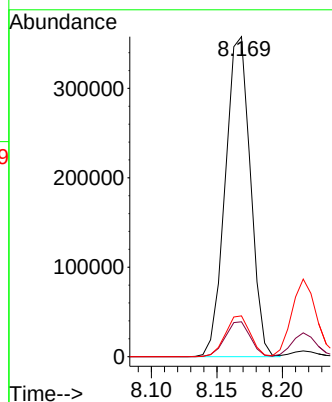
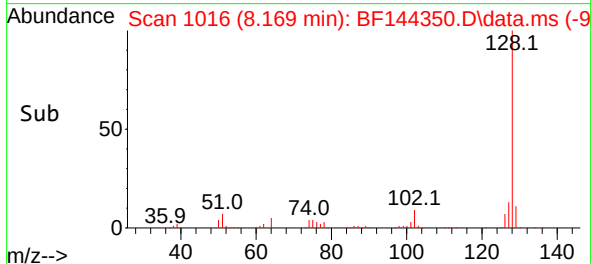
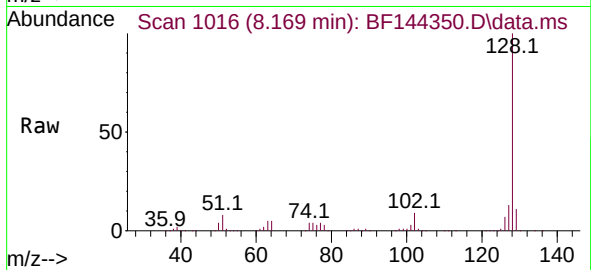
PB170730BS

Tgt Ion:128 Resp: 476514
Ion Ratio Lower Upper
128 100
129 10.9 8.9 13.3
127 12.7 10.3 15.5

Manual Integrations

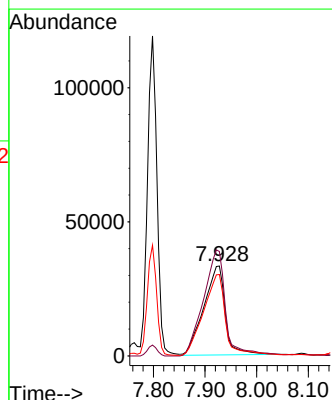
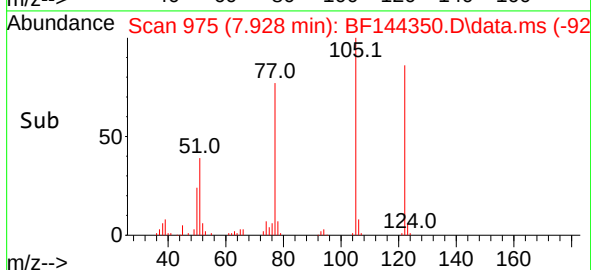
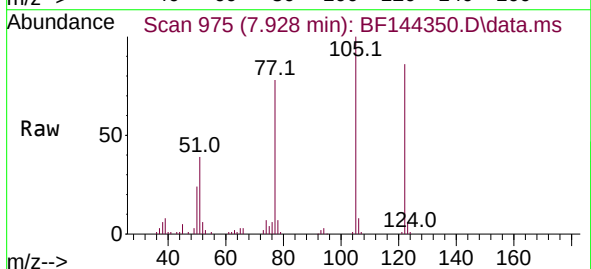
APPROVED

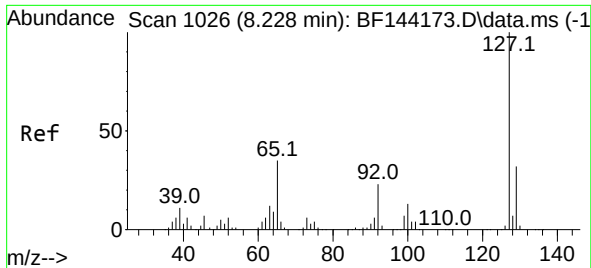
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025



#32
Benzoic acid
Concen: 40.472 ng
RT: 7.928 min Scan# 975
Delta R.T. -0.024 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

Tgt Ion:122 Resp: 96380
Ion Ratio Lower Upper
122 100
105 116.2 99.9 139.9
77 90.5 77.5 117.5





#33
4-Chloroaniline
Concen: 28.836 ng
RT: 8.216 min Scan# 1024
Delta R.T. -0.012 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

Instrument :

BNA_F

ClientSampleId :

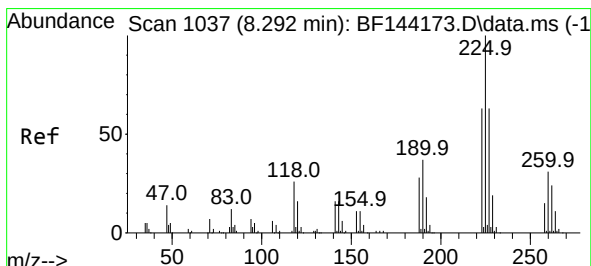
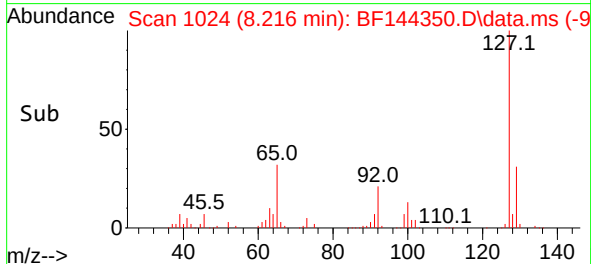
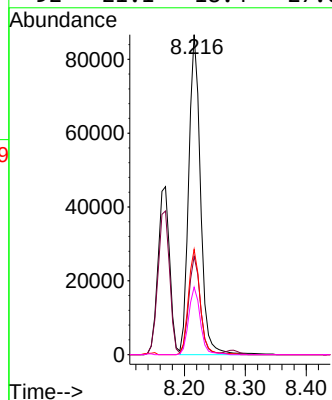
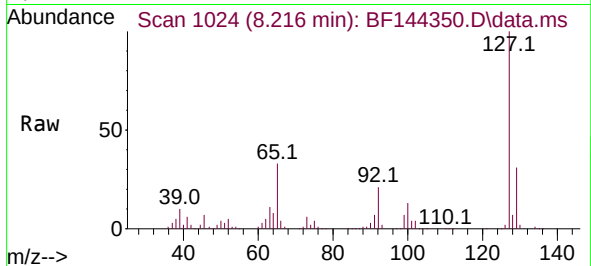
PB170730BS

Tgt Ion:127 Resp: 116523
Ion Ratio Lower Upper
127 100
129 30.7 25.3 37.9
65 32.9 27.6 41.4
92 21.1 18.4 27.6

Manual Integrations

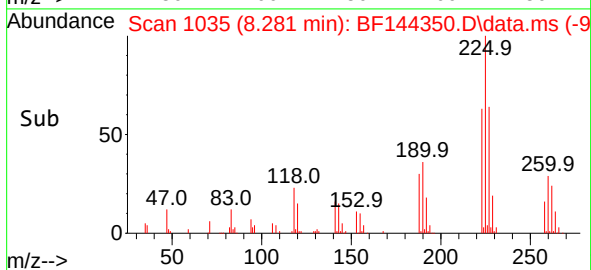
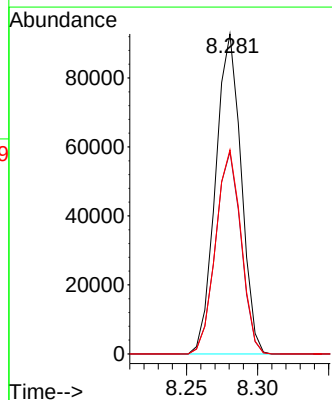
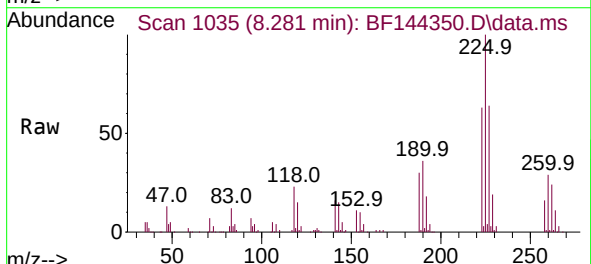
APPROVED

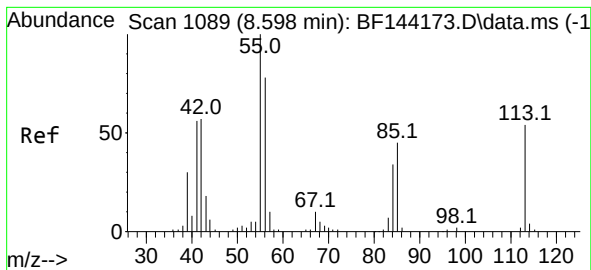
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025



#34
Hexachlorobutadiene
Concen: 40.055 ng
RT: 8.281 min Scan# 1035
Delta R.T. -0.012 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

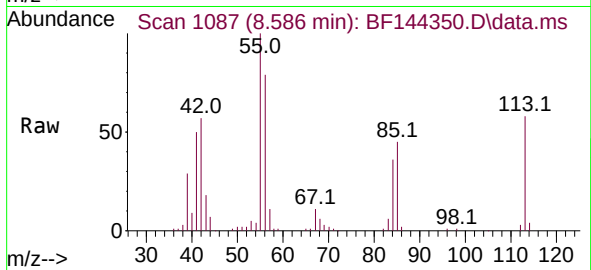
Tgt Ion:225 Resp: 116070
Ion Ratio Lower Upper
225 100
223 63.1 50.2 75.4
227 63.8 50.1 75.1





#35
Caprolactam
Concen: 45.742 ng m
RT: 8.586 min Scan# 1087
Delta R.T. -0.035 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

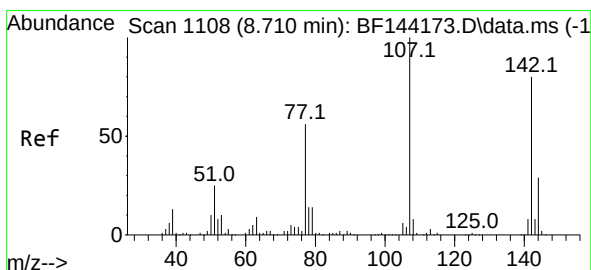
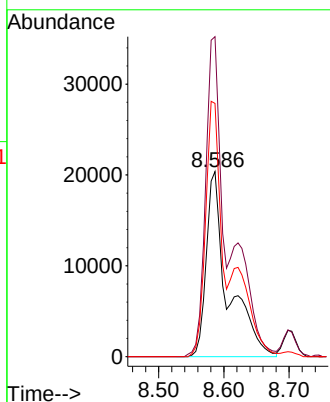
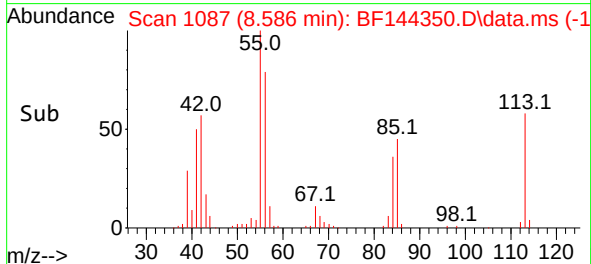
Instrument :
BNA_F
ClientSampleId :
PB170730BS



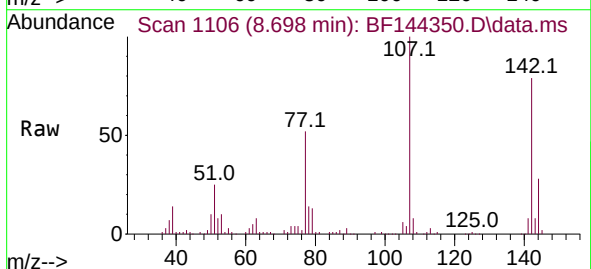
Tgt Ion:113 Resp: 46925
Ion Ratio Lower Upper
113 100
55 172.9 166.8 206.8
56 136.9 125.9 165.9

Manual Integrations
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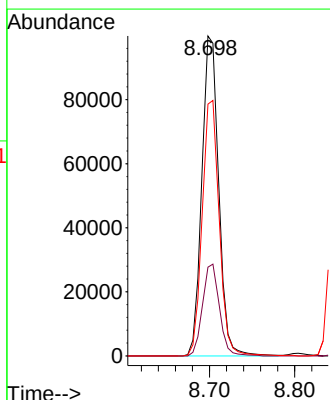
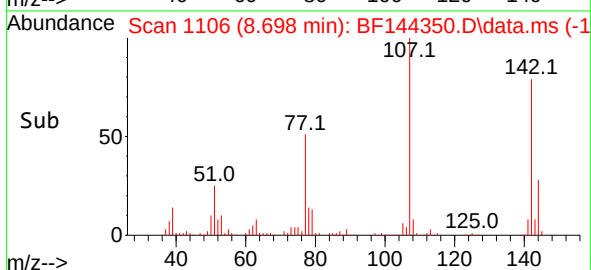
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025

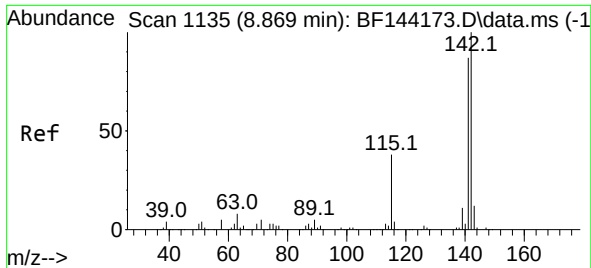


#36
4-Chloro-3-methylphenol
Concen: 40.931 ng
RT: 8.698 min Scan# 1106
Delta R.T. -0.006 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54



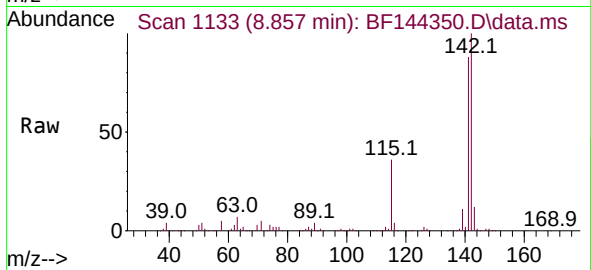
Tgt Ion:107 Resp: 137357
Ion Ratio Lower Upper
107 100
144 27.8 23.3 34.9
142 78.7 63.8 95.6





#37
2-Methylnaphthalene
Concen: 41.504 ng
RT: 8.857 min Scan# 1135
Delta R.T. -0.012 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

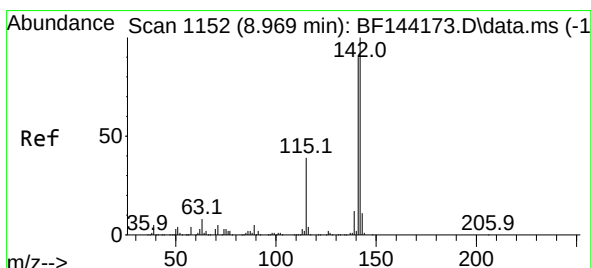
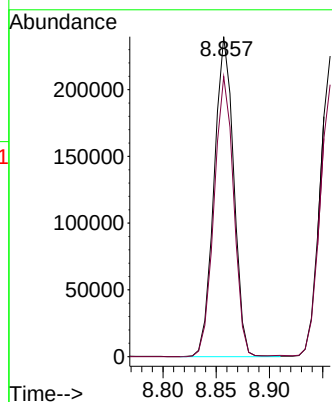
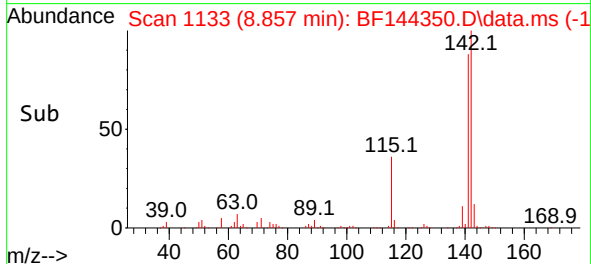
Instrument :
BNA_F
ClientSampleId :
PB170730BS



Tgt Ion:142 Resp: 307456
Ion Ratio Lower Upper
142 100
141 87.5 69.9 104.9

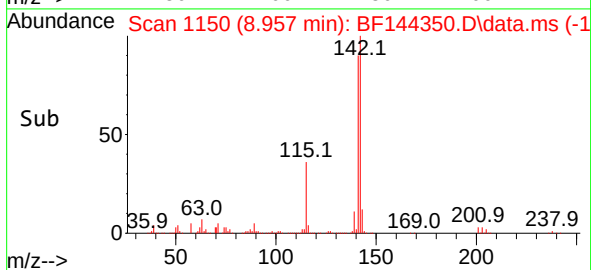
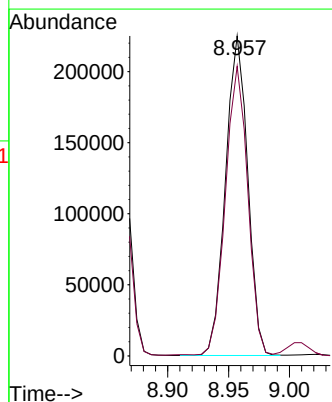
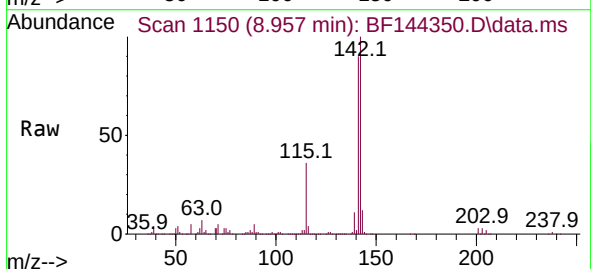
Manual Integrations
APPROVED

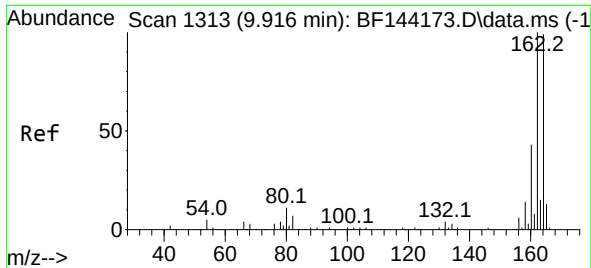
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025



#38
1-Methylnaphthalene
Concen: 39.930 ng
RT: 8.957 min Scan# 1150
Delta R.T. -0.012 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

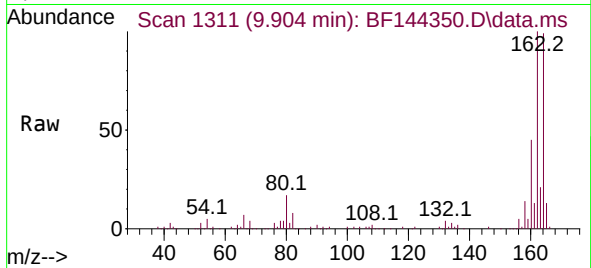
Tgt Ion:142 Resp: 285406
Ion Ratio Lower Upper
142 100
141 90.5 72.1 108.1





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.904 min Scan# 1313
Delta R.T. -0.012 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

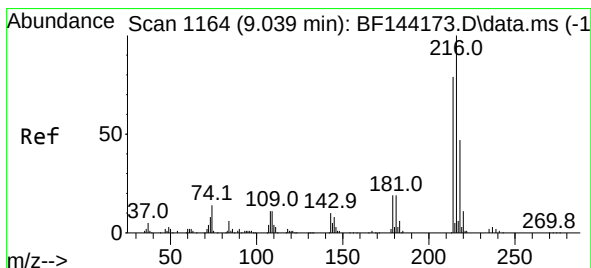
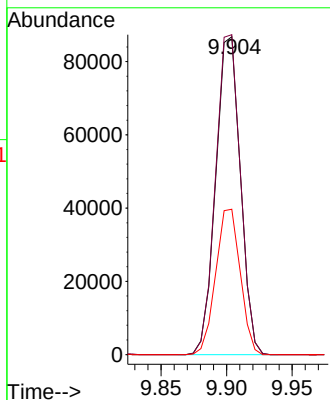
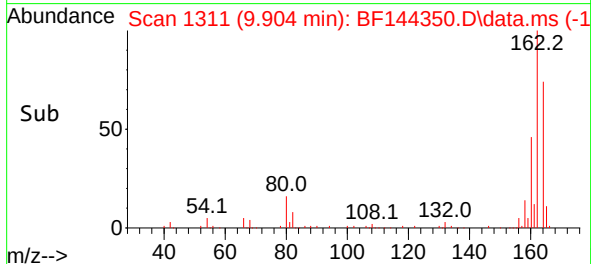
Instrument :
BNA_F
ClientSampleId :
PB170730BS



Tgt Ion:164 Resp: 113683
Ion Ratio Lower Upper
164 100
162 100.7 81.1 121.7
160 45.7 34.5 51.7

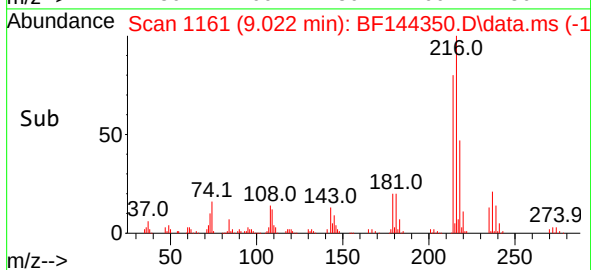
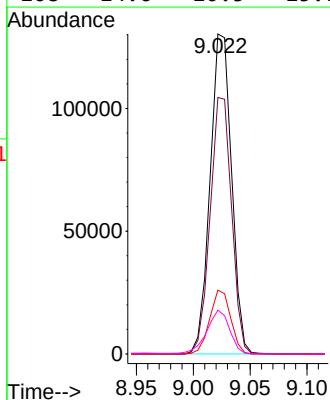
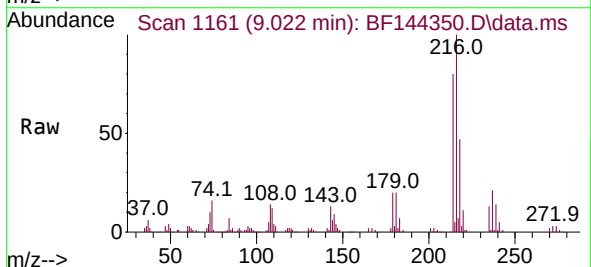
Manual Integrations
APPROVED

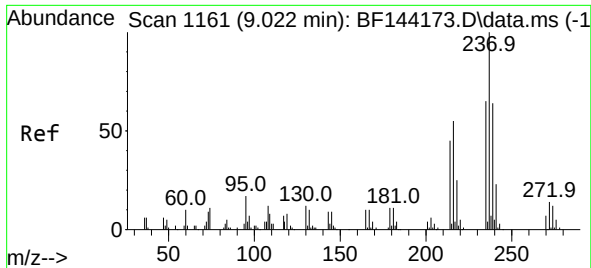
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025



#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.968 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.012 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

Tgt Ion:216 Resp: 171267
Ion Ratio Lower Upper
216 100
214 79.9 63.4 95.2
179 19.3 15.0 22.4
108 14.6 10.5 15.7





#41
Hexachlorocyclopentadiene
Concen: 83.912 ng
RT: 9.010 min Scan# 1161
Delta R.T. -0.018 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

Instrument :

BNA_F

ClientSampleId :

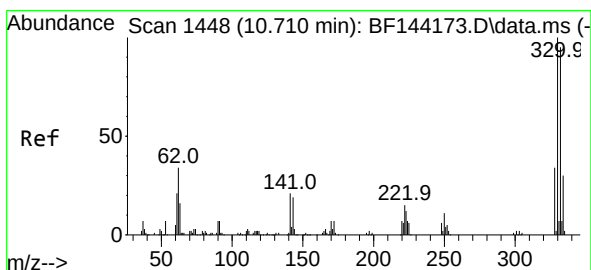
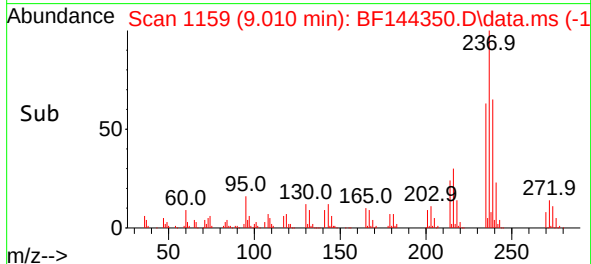
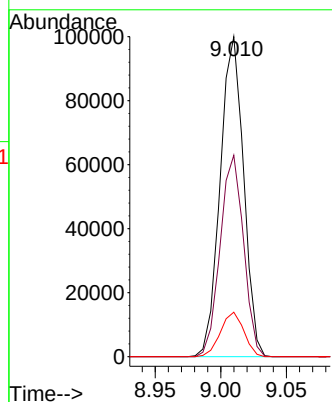
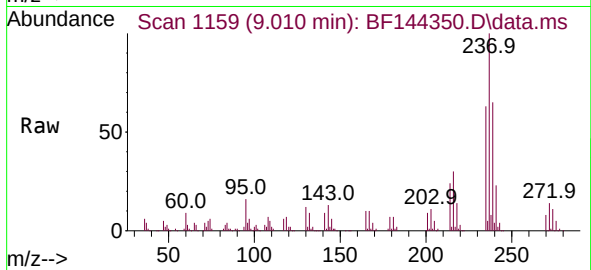
PB170730BS

Tgt Ion:237 Resp: 124503
Ion Ratio Lower Upper
237 100
235 62.9 45.5 85.5
272 13.9 0.0 33.5

Manual Integrations

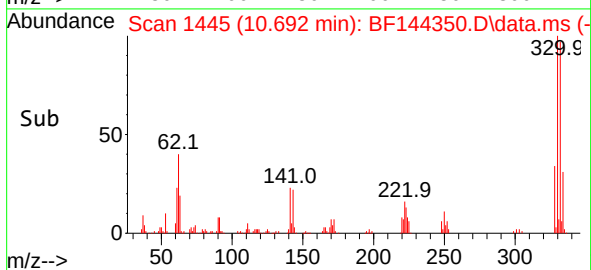
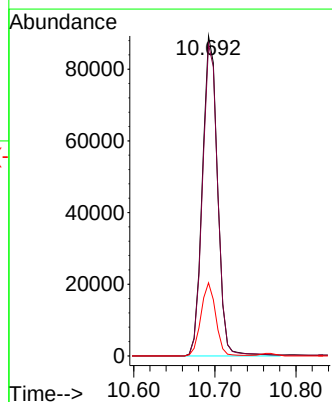
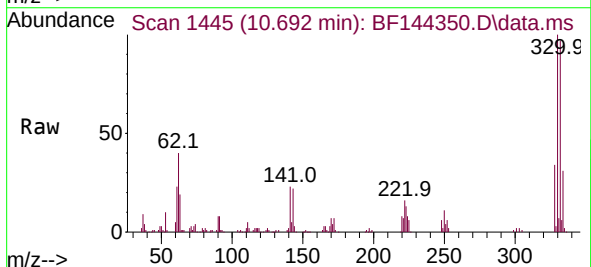
APPROVED

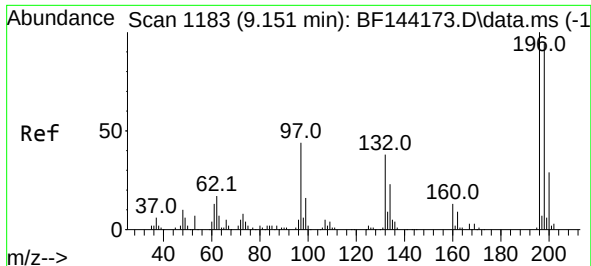
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025



#42
2,4,6-Tribromophenol
Concen: 81.182 ng
RT: 10.692 min Scan# 1445
Delta R.T. -0.012 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

Tgt Ion:330 Resp: 115813
Ion Ratio Lower Upper
330 100
332 98.7 76.7 115.1
141 22.3 17.8 26.8





#43

2,4,6-Trichlorophenol

Concen: 45.133 ng

RT: 9.139 min Scan# 1181

Delta R.T. -0.012 min

Lab File: BF144350.D

Acq: 25 Nov 2025 14:54

Instrument :

BNA_F

ClientSampleId :

PB170730BS

Tgt Ion:196 Resp: 114449

Ion Ratio Lower Upper

196 100

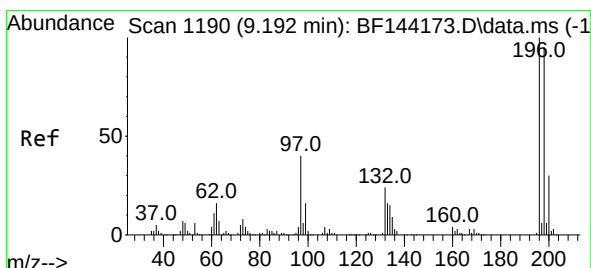
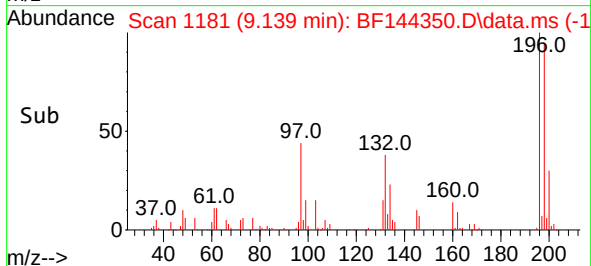
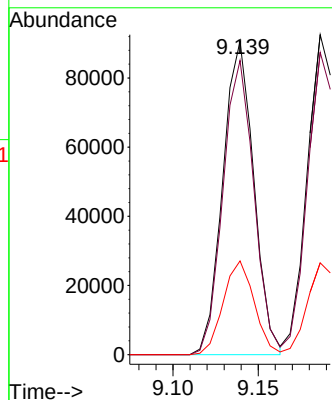
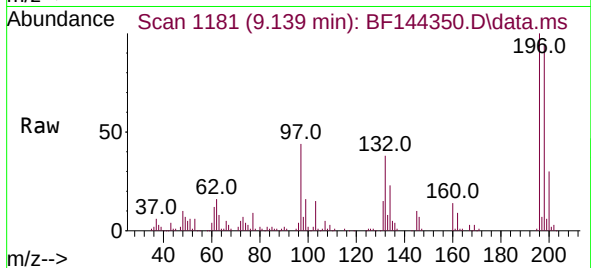
198 93.8 75.3 112.9

200 29.9 23.4 35.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025



#44

2,4,5-Trichlorophenol

Concen: 43.451 ng

RT: 9.186 min Scan# 1189

Delta R.T. -0.006 min

Lab File: BF144350.D

Acq: 25 Nov 2025 14:54

Tgt Ion:196 Resp: 118753

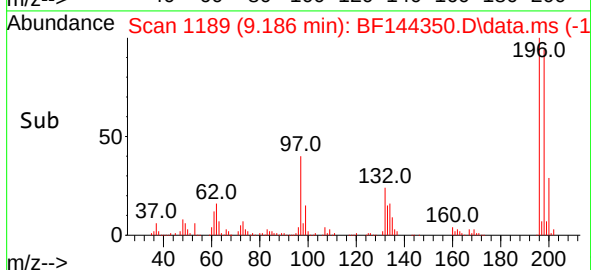
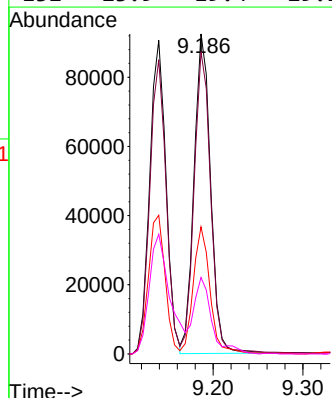
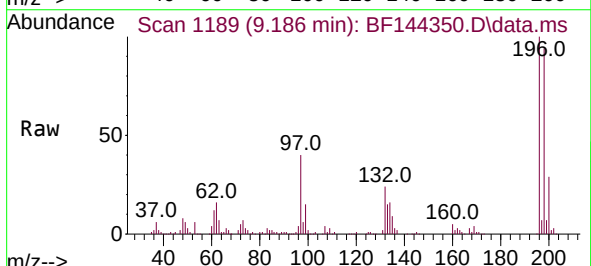
Ion Ratio Lower Upper

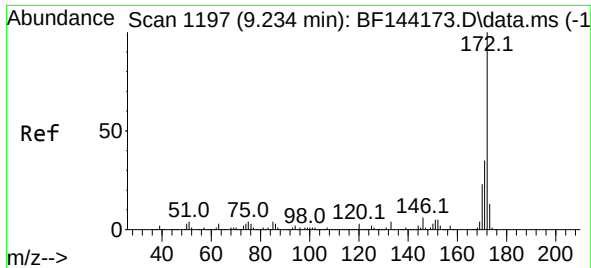
196 100

198 94.4 76.1 114.1

97 39.7 31.9 47.9

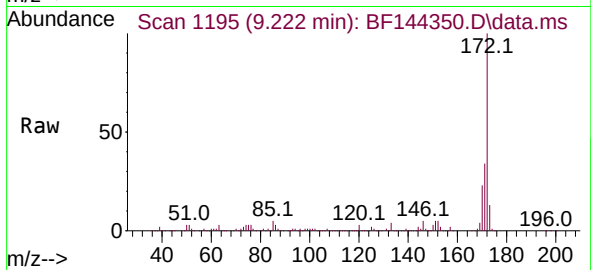
132 23.9 19.4 29.2





#45
2-Fluorobiphenyl
Concen: 90.338 ng
RT: 9.222 min Scan# 1195
Delta R.T. -0.006 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

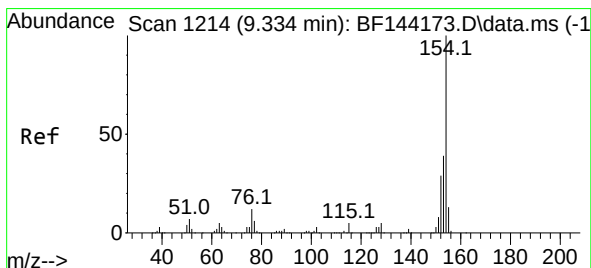
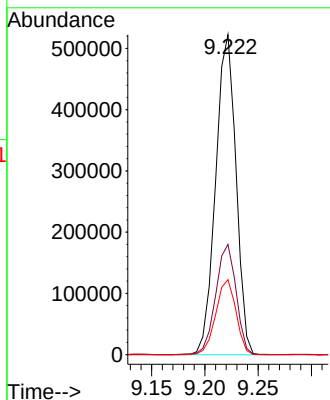
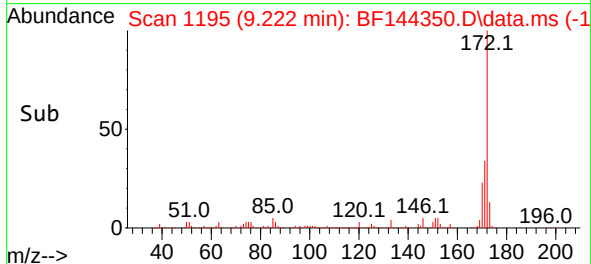
Instrument :
BNA_F
ClientSampleId :
PB170730BS



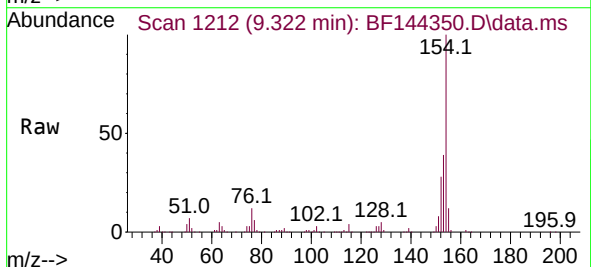
Tgt Ion:172 Resp: 69535
Ion Ratio Lower Upper
172 100
171 34.4 28.1 42.1
170 23.4 18.6 28.0

Manual Integrations
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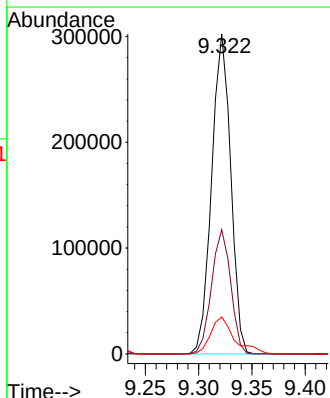
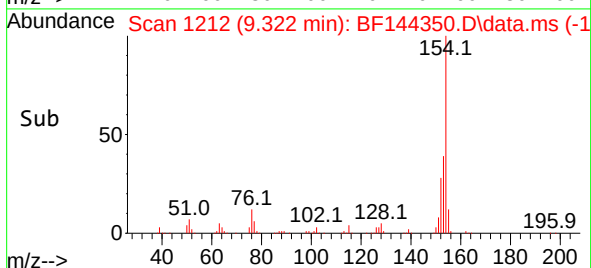
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025

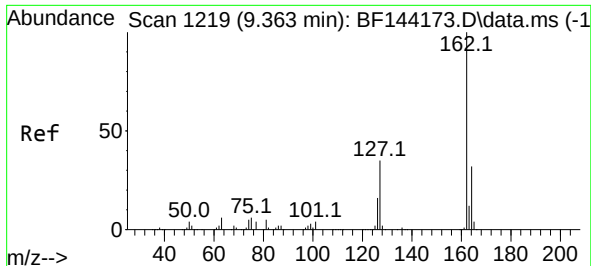


#46
1,1'-Biphenyl
Concen: 47.555 ng
RT: 9.322 min Scan# 1212
Delta R.T. -0.012 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54



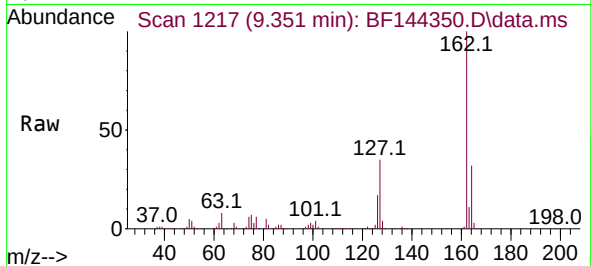
Tgt Ion:154 Resp: 377368
Ion Ratio Lower Upper
154 100
153 38.8 19.2 59.2
76 11.5 0.0 31.8





#47
2-Chloronaphthalene
Concen: 47.042 ng
RT: 9.351 min Scan# 1217
Delta R.T. -0.006 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

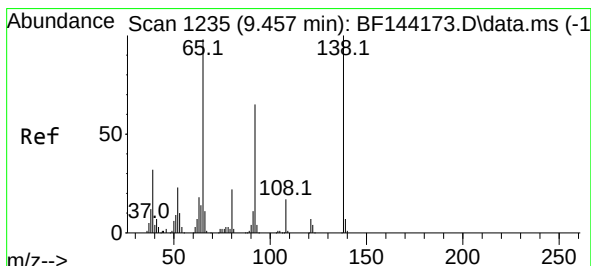
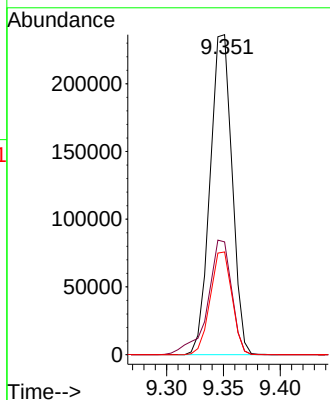
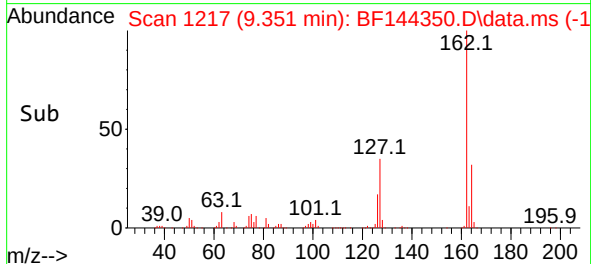
Instrument :
BNA_F
ClientSampleId :
PB170730BS



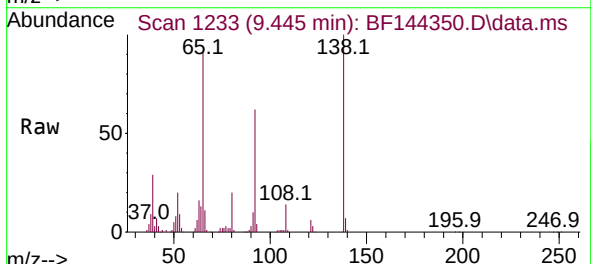
Tgt Ion:162 Resp: 31842
Ion Ratio Lower Upper
162 100
127 35.2 28.8 43.2
164 32.1 25.8 38.8

Manual Integrations
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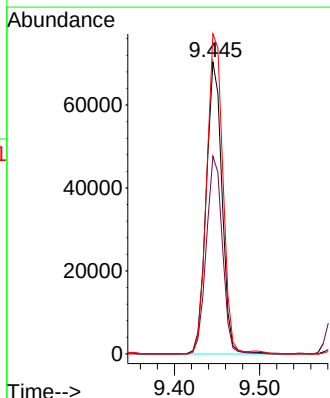
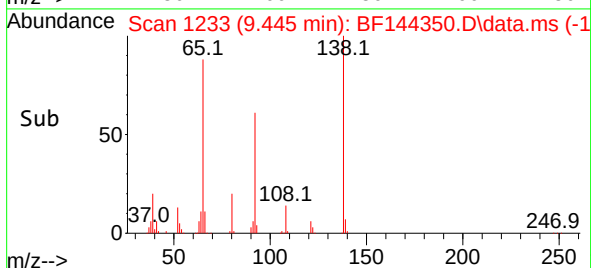
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025

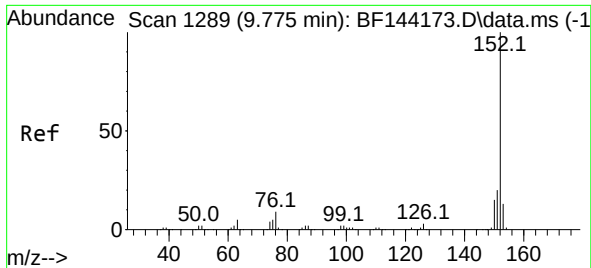


#48
2-Nitroaniline
Concen: 46.341 ng
RT: 9.445 min Scan# 1233
Delta R.T. -0.012 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54



Tgt Ion: 65 Resp: 90508
Ion Ratio Lower Upper
65 100
92 67.8 53.0 79.6
138 109.7 81.6 122.4





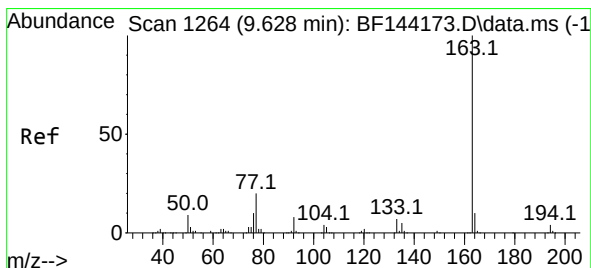
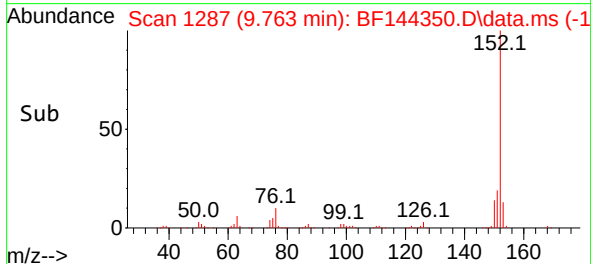
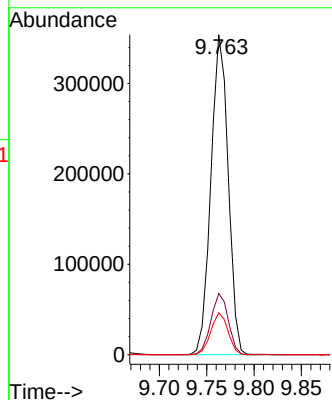
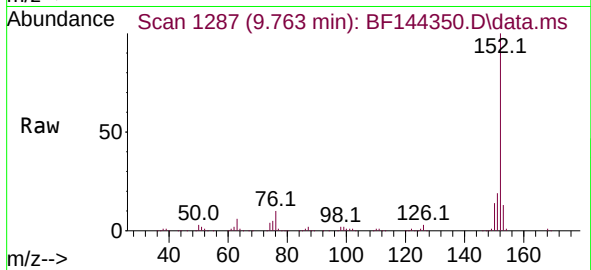
#49
Acenaphthylene
Concen: 48.698 ng
RT: 9.763 min Scan# 1287
Delta R.T. -0.012 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

Instrument :
BNA_F
ClientSampleId :
PB170730BS

Tgt Ion:152 Resp: 449208
Ion Ratio Lower Upper
152 100
151 19.1 15.9 23.9
153 13.1 10.5 15.7

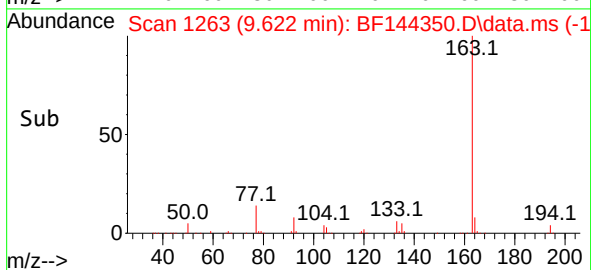
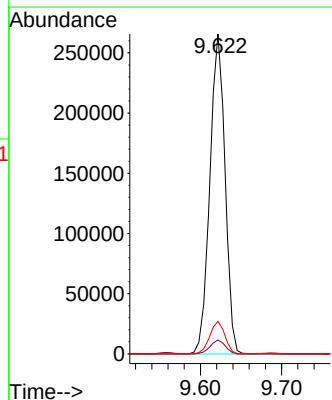
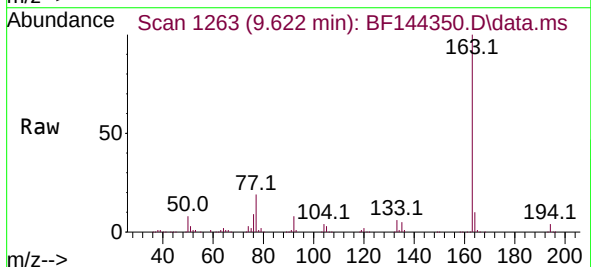
Manual Integrations
APPROVED

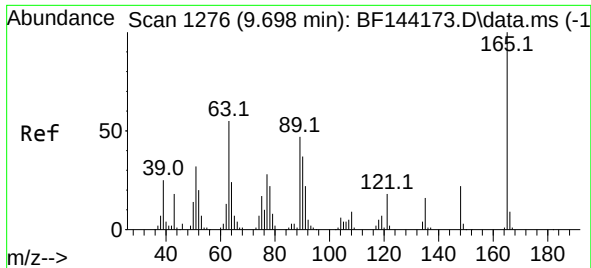
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025



#50
Dimethylphthalate
Concen: 46.007 ng
RT: 9.622 min Scan# 1263
Delta R.T. -0.006 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

Tgt Ion:163 Resp: 346493
Ion Ratio Lower Upper
163 100
194 4.3 3.3 4.9
164 10.1 8.1 12.1





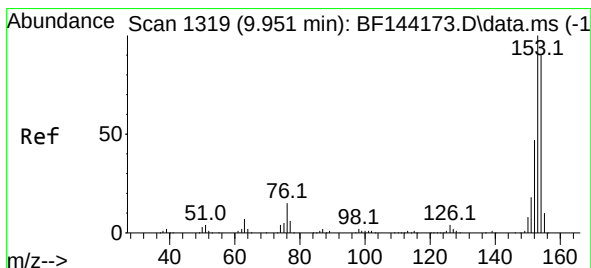
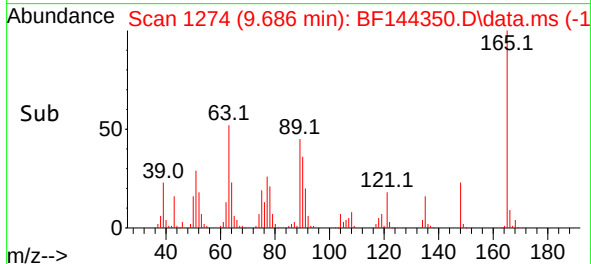
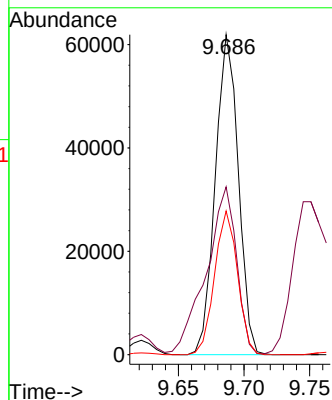
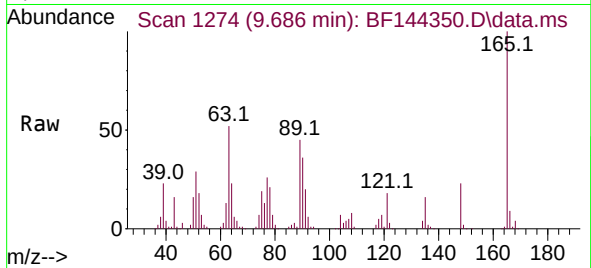
#51
2,6-Dinitrotoluene
Concen: 49.636 ng
RT: 9.686 min Scan# 1274
Delta R.T. -0.006 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

Instrument :
BNA_F
ClientSampleId :
PB170730BS

Tgt Ion:165 Resp: 75673
Ion Ratio Lower Upper
165 100
63 52.4 43.8 65.8
89 44.9 37.5 56.3

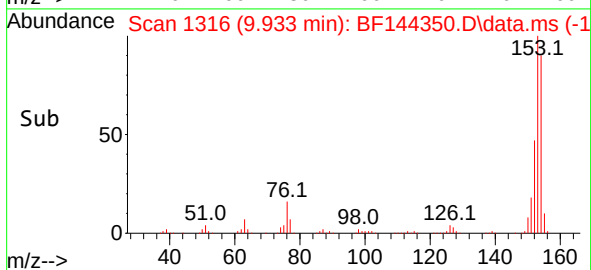
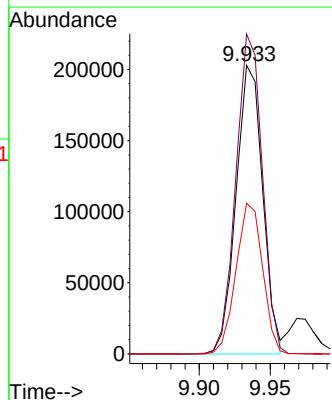
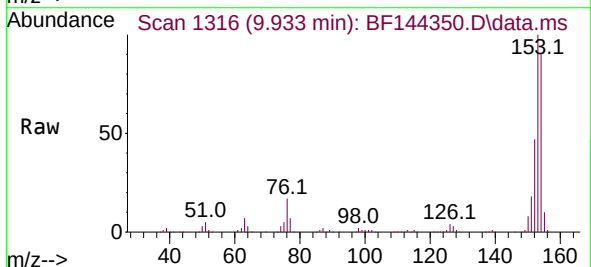
Manual Integrations
APPROVED

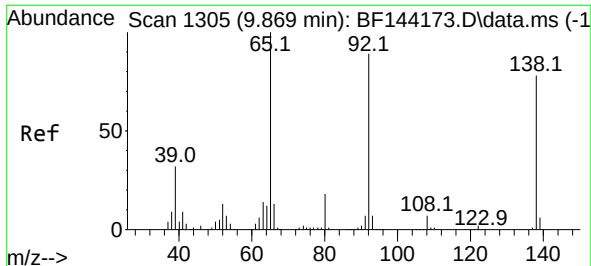
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025



#52
Acenaphthene
Concen: 42.995 ng
RT: 9.933 min Scan# 1316
Delta R.T. -0.012 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

Tgt Ion:154 Resp: 265215
Ion Ratio Lower Upper
154 100
153 110.9 89.0 133.4
152 52.3 42.2 63.4





#53
3-Nitroaniline
Concen: 35.659 ng
RT: 9.857 min Scan# 1303
Delta R.T. -0.012 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

Instrument :

BNA_F

ClientSampleId :

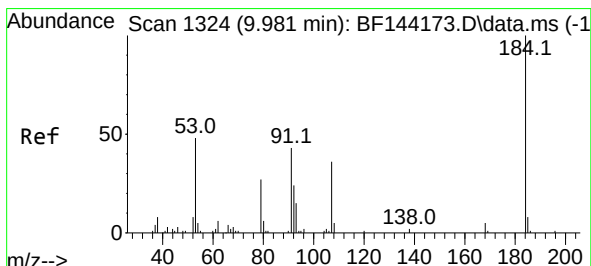
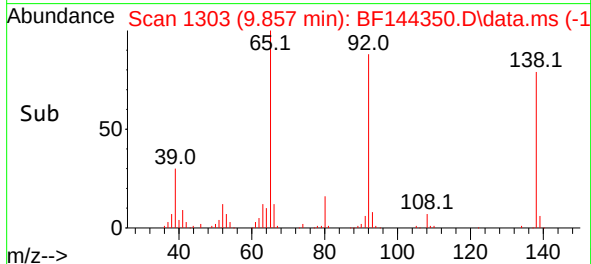
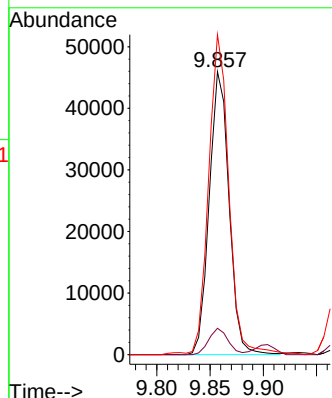
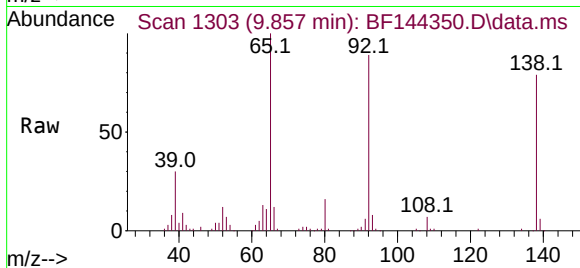
PB170730BS

Tgt Ion:138 Resp: 59429
Ion Ratio Lower Upper
138 100
108 9.3 7.5 11.3
92 113.1 91.8 137.6

Manual Integrations

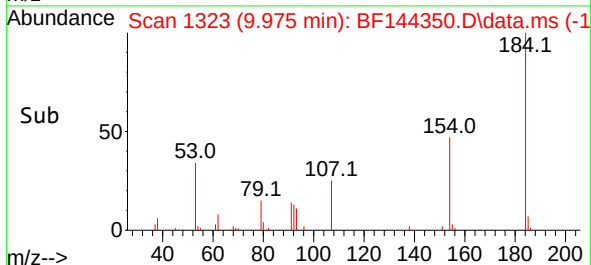
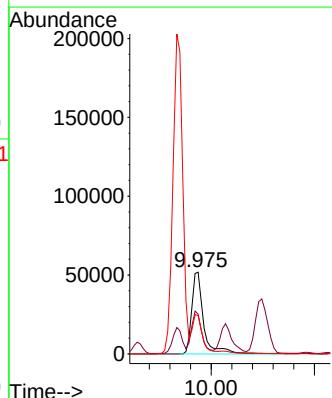
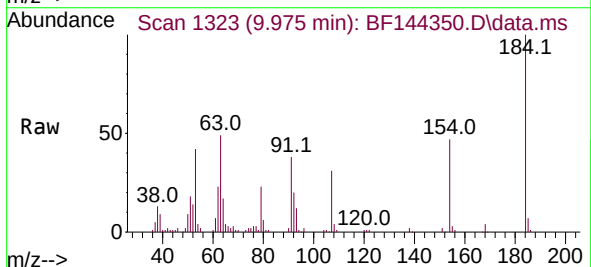
APPROVED

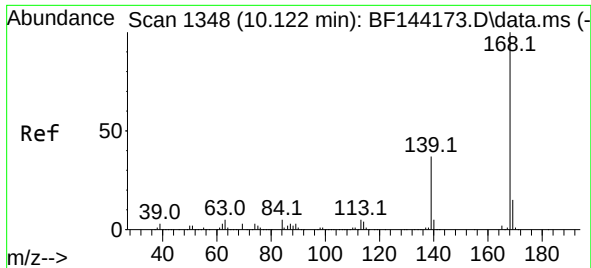
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025



#54
2,4-Dinitrophenol
Concen: 90.326 ng
RT: 9.975 min Scan# 1323
Delta R.T. -0.012 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

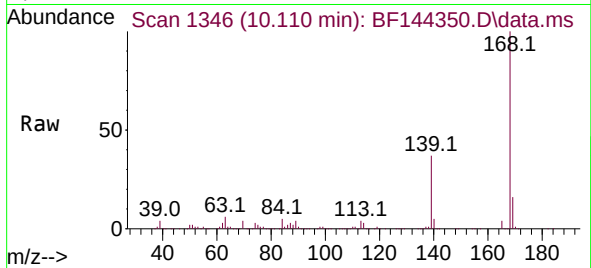
Tgt Ion:184 Resp: 83156
Ion Ratio Lower Upper
184 100
63 48.7 44.0 66.0
154 47.0 42.4 63.6





#55
Dibenzofuran
Concen: 45.303 ng
RT: 10.110 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

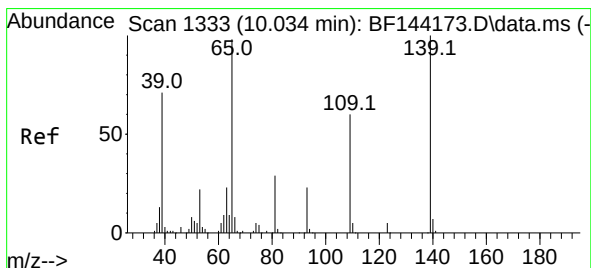
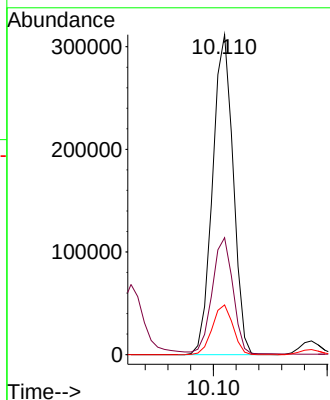
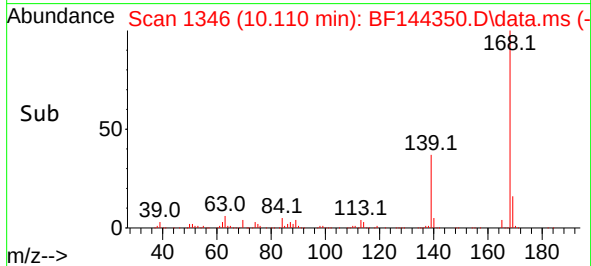
Instrument :
BNA_F
ClientSampleId :
PB170730BS



Tgt Ion:168 Resp: 391375
Ion Ratio Lower Upper
168 100
139 36.6 30.2 45.2
169 15.5 12.2 18.4

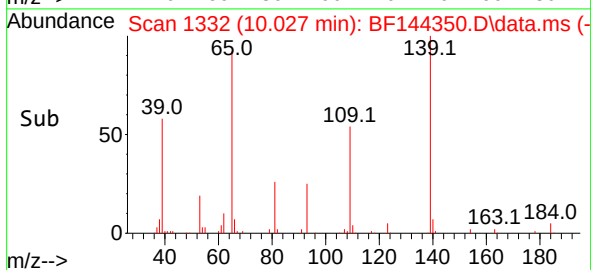
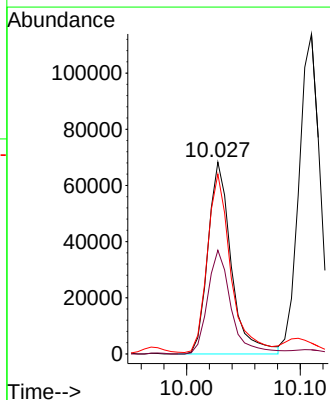
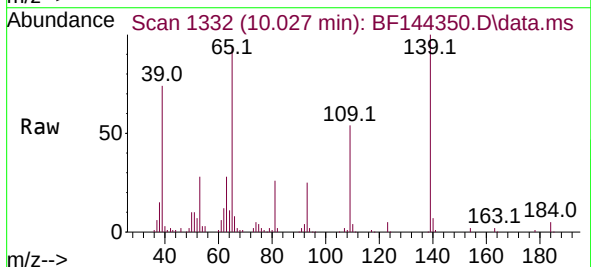
Manual Integrations
APPROVED

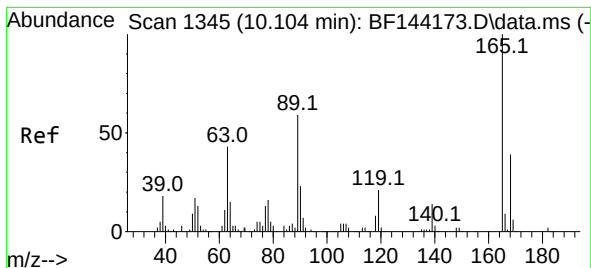
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025



#56
4-Nitrophenol
Concen: 80.991 ng
RT: 10.027 min Scan# 1332
Delta R.T. -0.012 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

Tgt Ion:139 Resp: 97639
Ion Ratio Lower Upper
139 100
109 54.1 39.9 79.9
65 93.7 79.5 119.5





#57
2,4-Dinitrotoluene
Concen: 46.206 ng
RT: 10.092 min Scan# 1345
Delta R.T. -0.006 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

Instrument :

BNA_F

ClientSampleId :

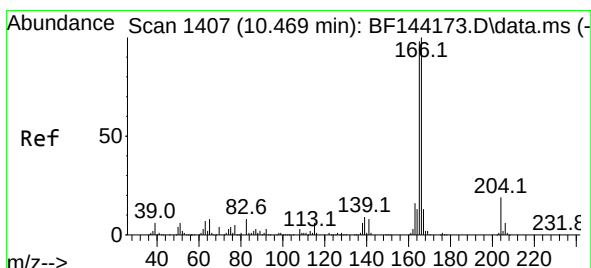
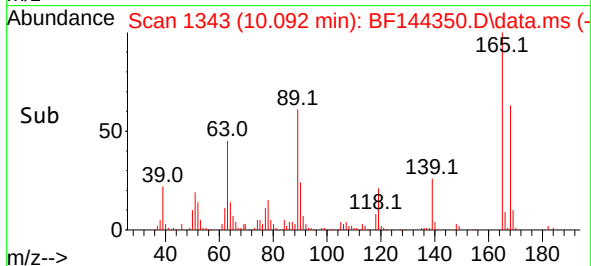
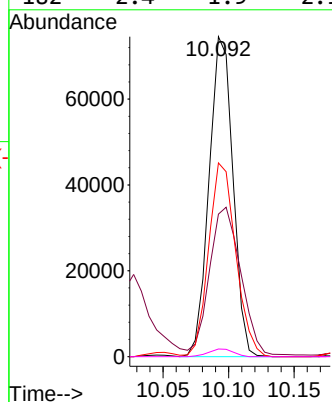
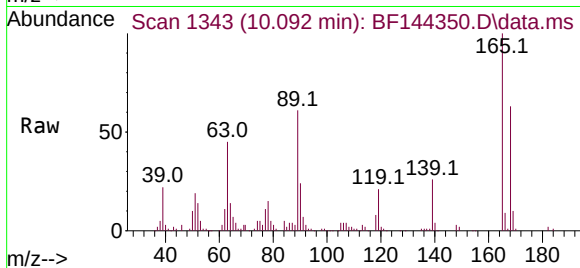
PB170730BS

Tgt Ion:165 Resp: 94303
Ion Ratio Lower Upper
165 100
63 44.5 35.5 53.3
89 60.5 47.4 71.2
182 2.4 1.9 2.9

Manual Integrations

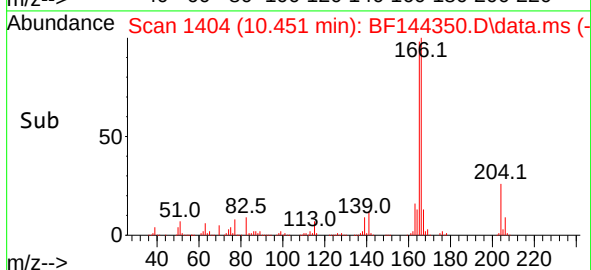
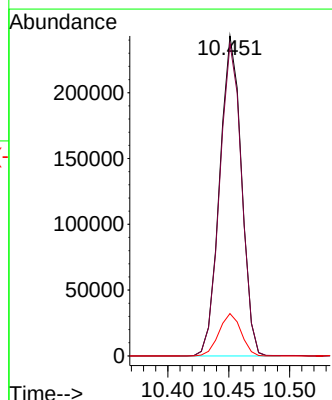
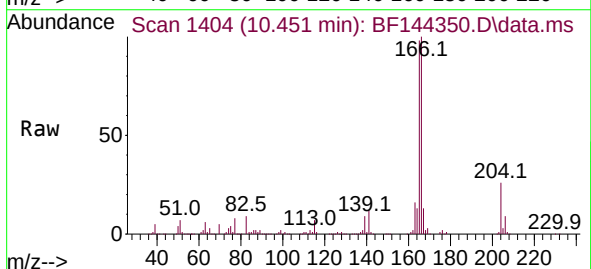
APPROVED

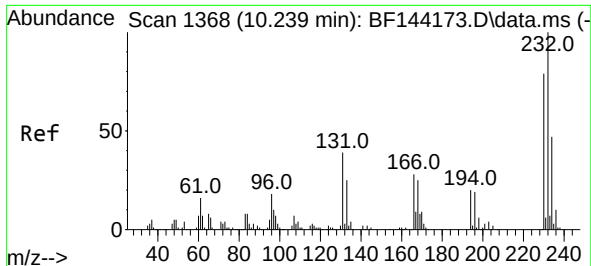
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025



#58
Fluorene
Concen: 46.074 ng
RT: 10.451 min Scan# 1404
Delta R.T. -0.012 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

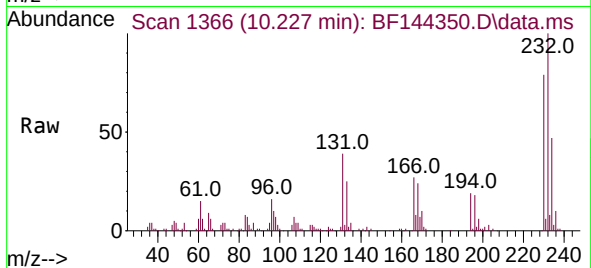
Tgt Ion:166 Resp: 302636
Ion Ratio Lower Upper
166 100
165 97.6 78.6 118.0
167 13.2 10.4 15.6





#59
2,3,4,6-Tetrachlorophenol
Concen: 45.472 ng
RT: 10.227 min Scan# 1366
Delta R.T. -0.012 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

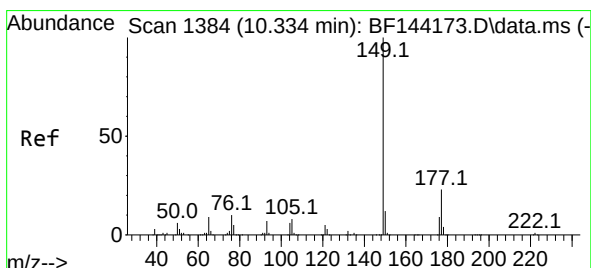
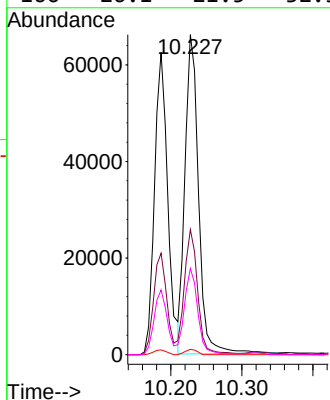
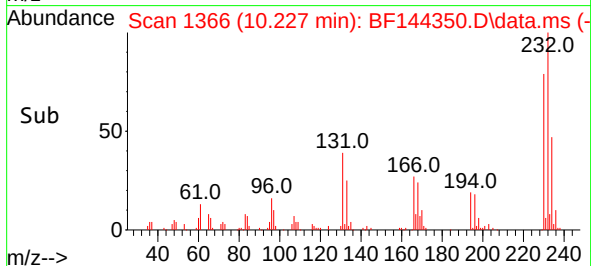
Instrument :
BNA_F
ClientSampleId :
PB170730BS



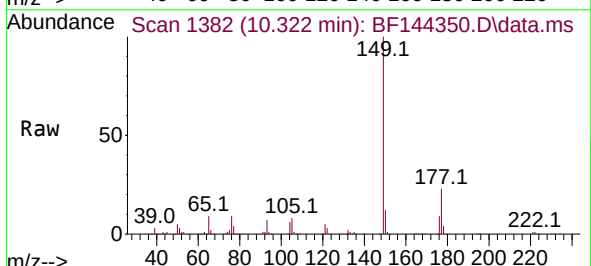
Tgt Ion:232 Resp: 87926
Ion Ratio Lower Upper
232 100
131 39.2 30.3 45.5
130 1.4 1.2 1.8
166 26.1 21.5 32.3

Manual Integrations
APPROVED

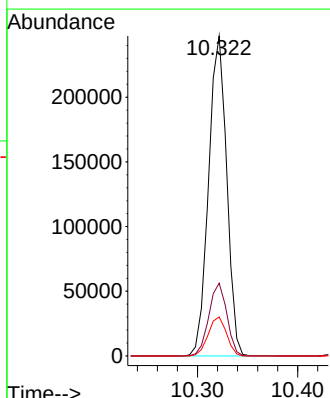
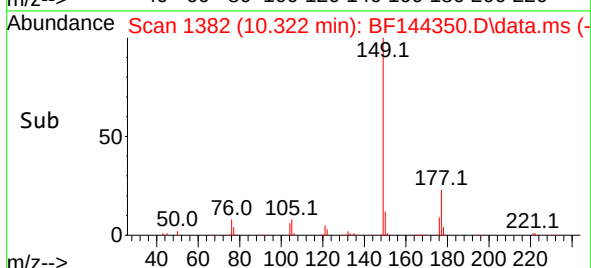
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025

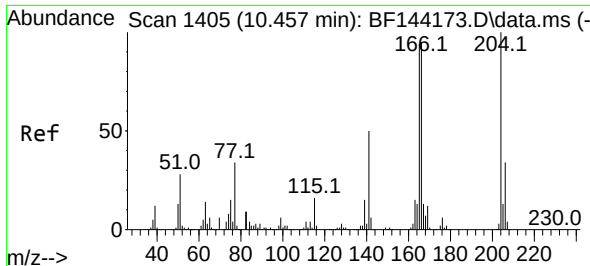


#60
Diethylphthalate
Concen: 44.691 ng
RT: 10.322 min Scan# 1382
Delta R.T. -0.006 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54



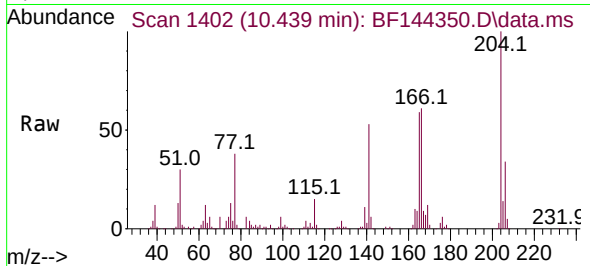
Tgt Ion:149 Resp: 310275
Ion Ratio Lower Upper
149 100
177 22.7 18.3 27.5
150 12.2 9.8 14.6





#61
4-Chlorophenyl-phenylether
Concen: 43.816 ng
RT: 10.439 min Scan# 1405
Delta R.T. -0.018 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

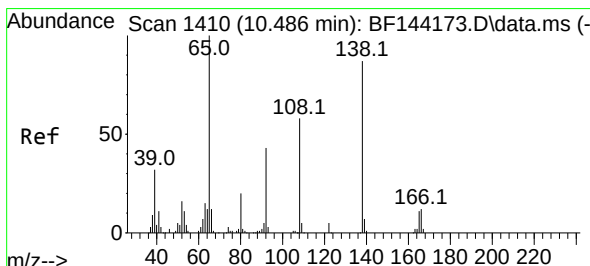
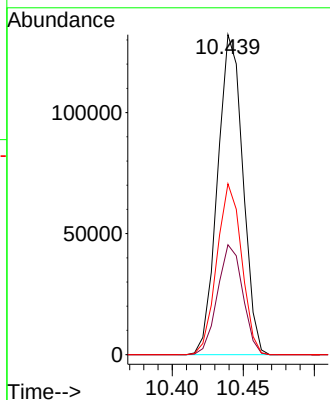
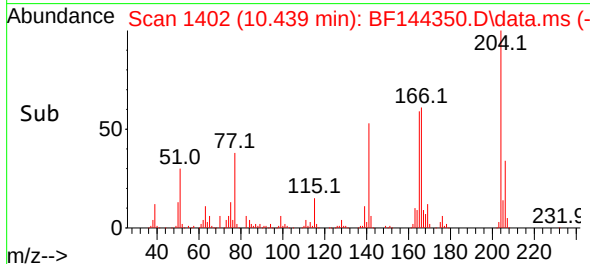
Instrument :
BNA_F
ClientSampleId :
PB170730BS



Tgt Ion:204 Resp: 163940
Ion Ratio Lower Upper
204 100
206 34.3 27.4 41.2
141 53.4 40.0 60.0

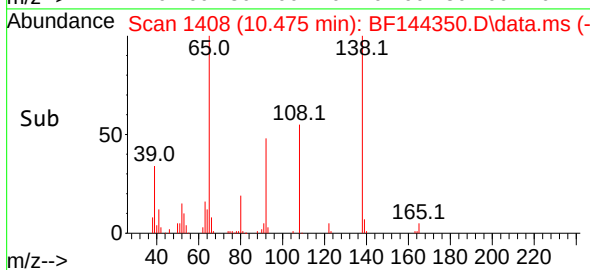
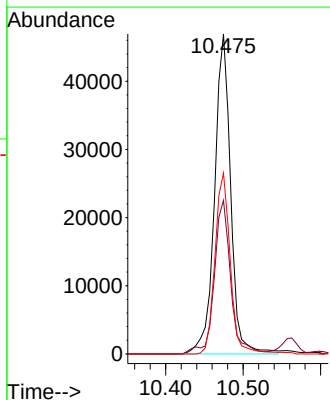
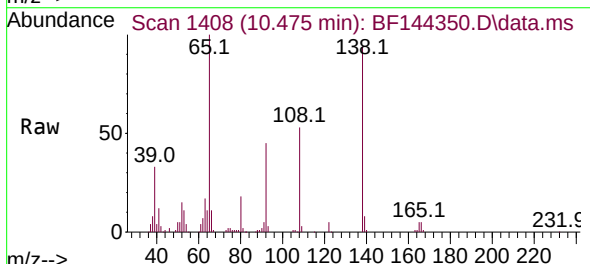
Manual Integrations
APPROVED

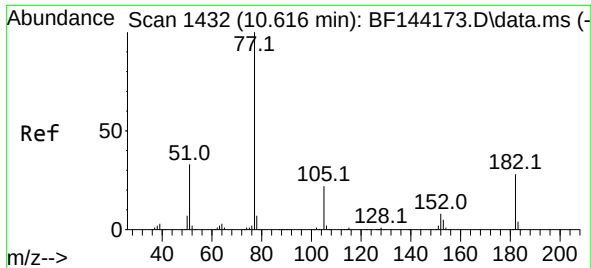
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025



#62
4-Nitroaniline
Concen: 42.698 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.000 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

Tgt Ion:138 Resp: 67768
Ion Ratio Lower Upper
138 100
92 48.0 29.4 69.4
108 56.5 46.4 86.4





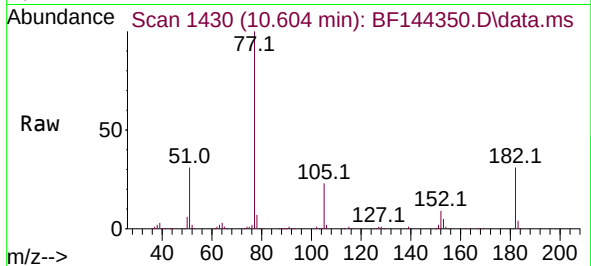
#63
Azobenzene
Concen: 45.730 ng
RT: 10.604 min Scan# 1432
Delta R.T. -0.012 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

Instrument :

BNA_F

ClientSampleId :

PB170730BS

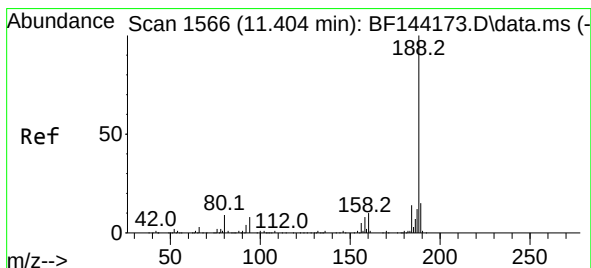
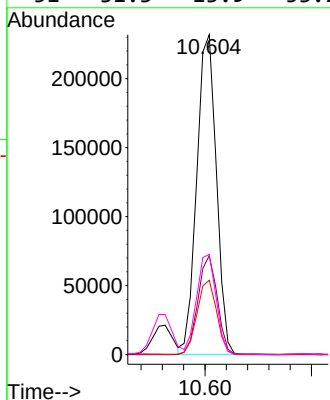
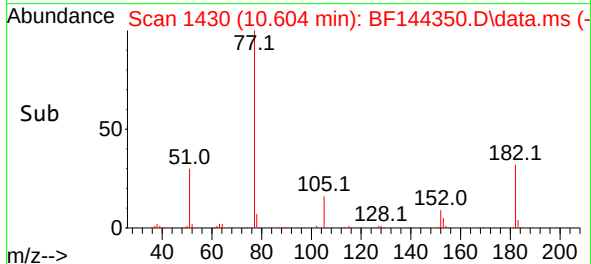


Tgt Ion: 77 Resp: 295478
Ion Ratio Lower Upper
77 100
182 30.9 8.1 48.1
105 23.2 2.0 42.0
51 31.3 13.9 53.9

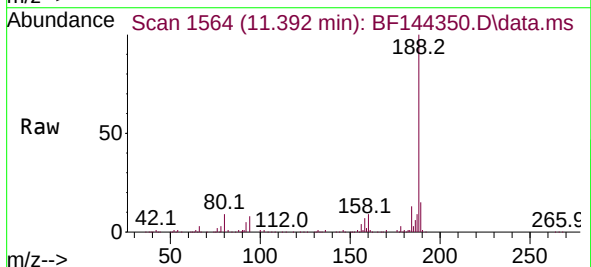
Manual Integrations

APPROVED

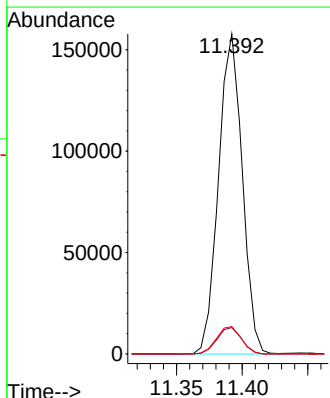
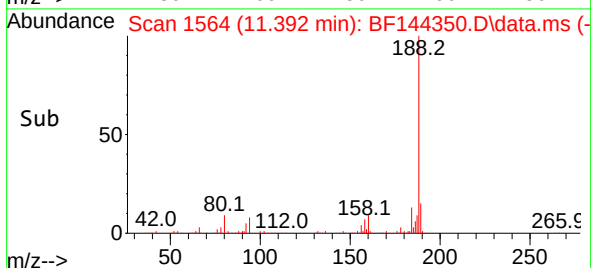
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025

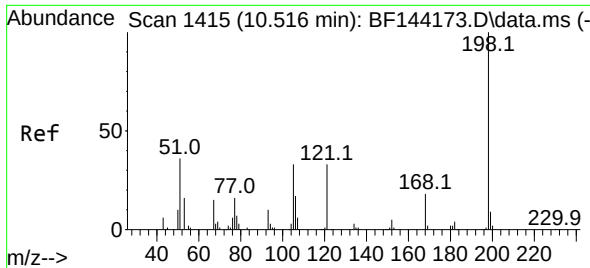


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.392 min Scan# 1564
Delta R.T. -0.012 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54



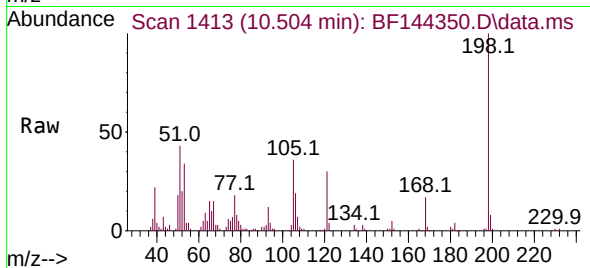
Tgt Ion:188 Resp: 198856
Ion Ratio Lower Upper
188 100
94 8.2 6.2 9.2
80 8.5 6.9 10.3





#65
4,6-Dinitro-2-methylphenol
Concen: 42.099 ng
RT: 10.504 min Scan# 1415
Delta R.T. -0.018 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

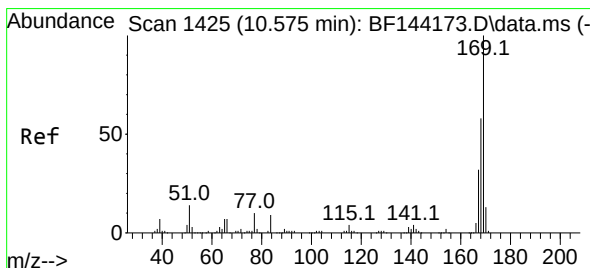
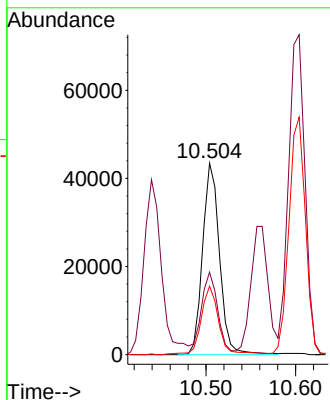
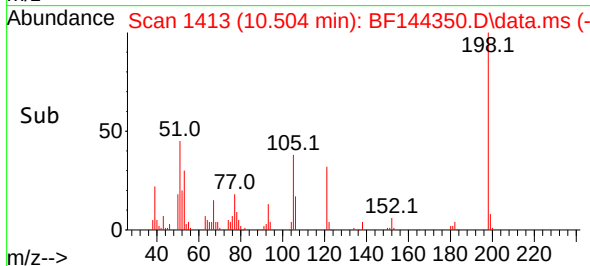
Instrument :
BNA_F
ClientSampleId :
PB170730BS



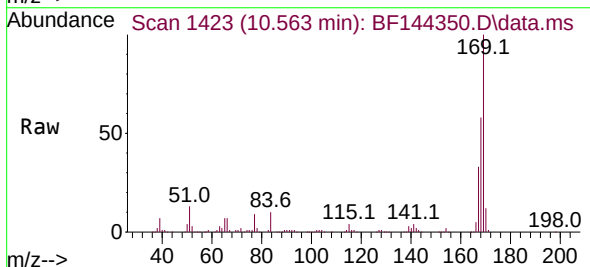
Tgt Ion:198 Resp: 56872
Ion Ratio Lower Upper
198 100
51 43.1 25.6 65.6
105 35.8 14.6 54.6

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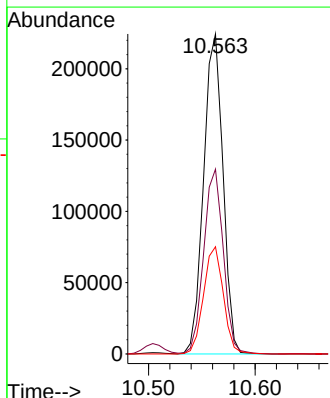
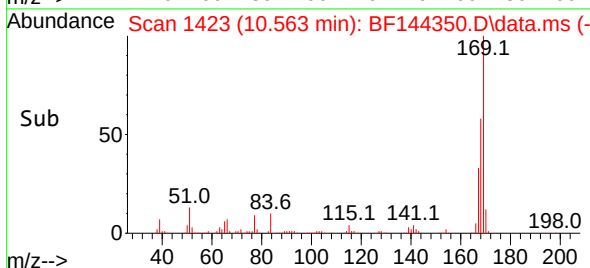
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025

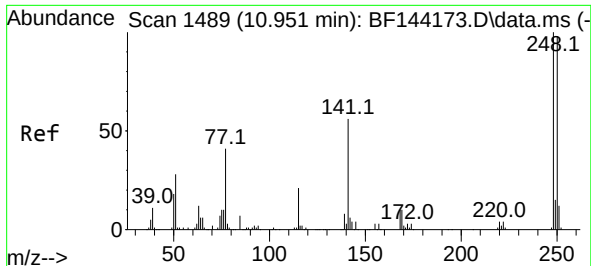


#66
n-Nitrosodiphenylamine
Concen: 44.317 ng
RT: 10.563 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54



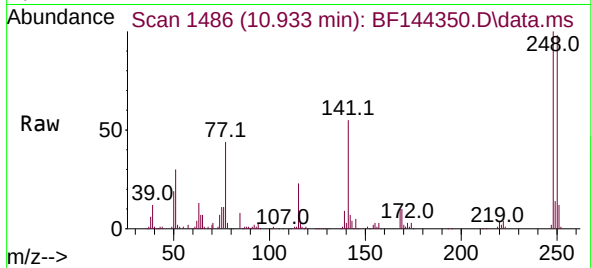
Tgt Ion:169 Resp: 283440
Ion Ratio Lower Upper
169 100
168 57.7 46.2 69.2
167 33.5 25.7 38.5





#67
4-Bromophenyl-phenylether
Concen: 41.796 ng
RT: 10.933 min Scan# 1486
Delta R.T. -0.012 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

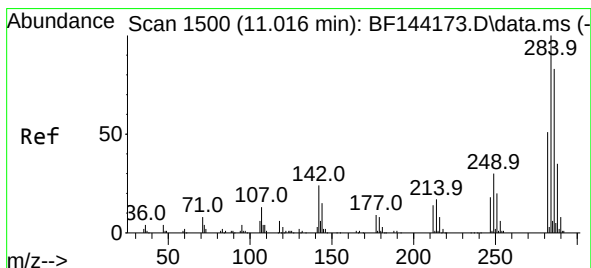
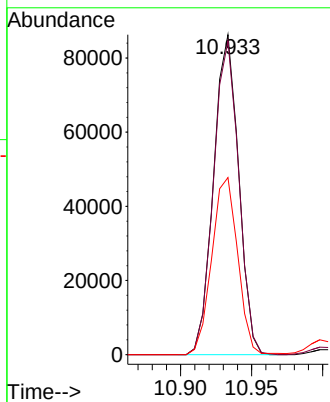
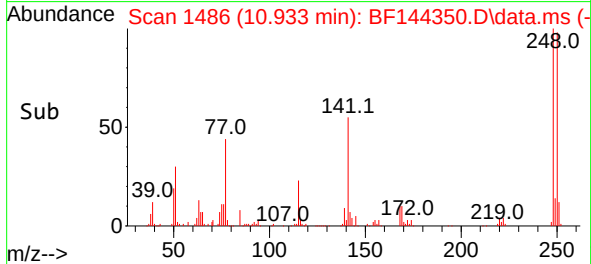
Instrument :
BNA_F
ClientSampleId :
PB170730BS



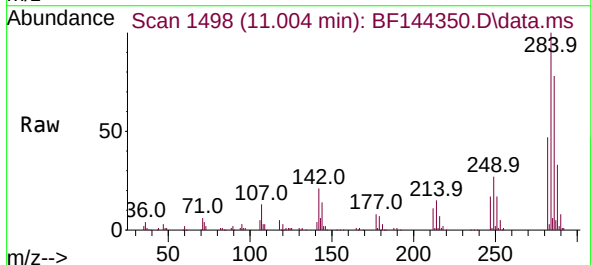
Tgt Ion:248 Resp: 106088
Ion Ratio Lower Upper
248 100
250 98.0 78.4 117.6
141 55.3 45.1 67.7

Manual Integrations
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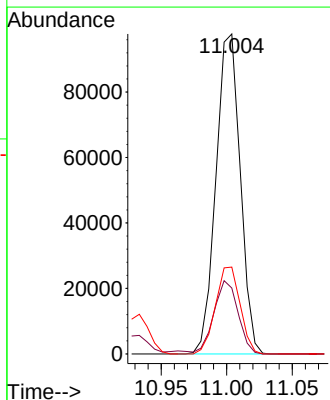
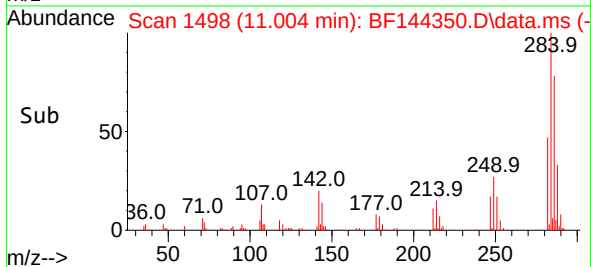
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025

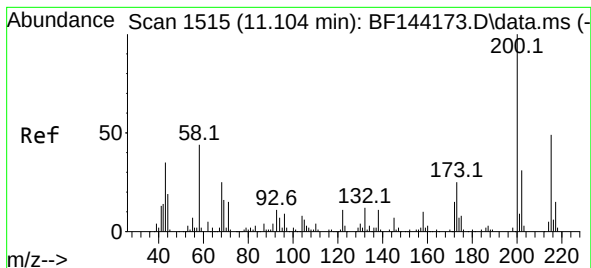


#68
Hexachlorobenzene
Concen: 42.248 ng
RT: 11.004 min Scan# 1498
Delta R.T. -0.006 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54



Tgt Ion:284 Resp: 126307
Ion Ratio Lower Upper
284 100
142 20.6 19.2 28.8
249 27.1 23.8 35.8





#69

Atrazine

Concen: 26.503 ng

RT: 11.086 min Scan# 1512

Delta R.T. -0.012 min

Lab File: BF144350.D

Acq: 25 Nov 2025 14:54

Instrument :

BNA_F

ClientSampleId :

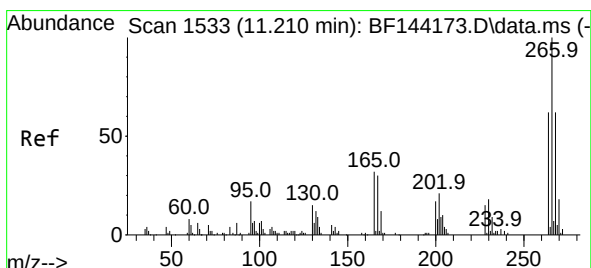
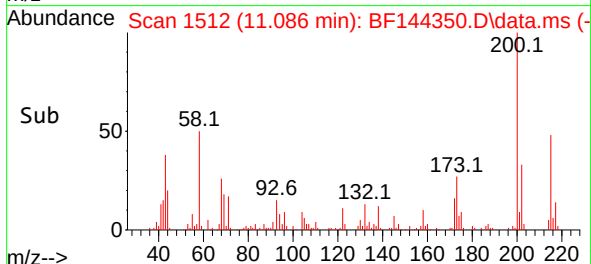
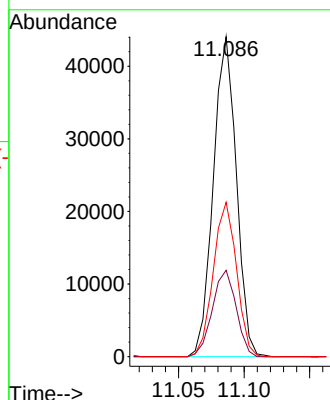
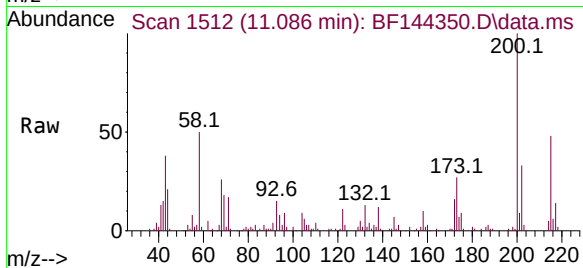
PB170730BS

Tgt Ion:200 Resp: 53907
 Ion Ratio Lower Upper
 200 100
 173 27.0 5.0 45.0
 215 48.2 28.7 68.7

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/26/2025
 Supervised By :mohammad ahmed 11/27/2025



#70

Pentachlorophenol

Concen: 73.741 ng

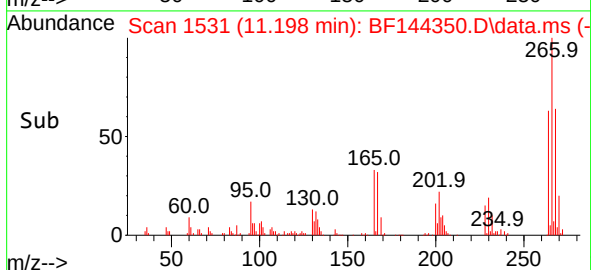
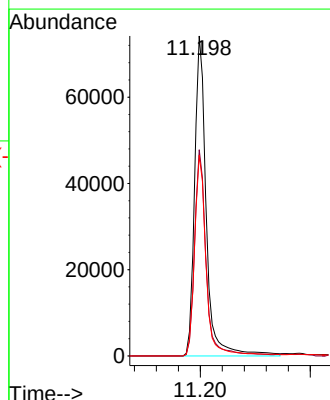
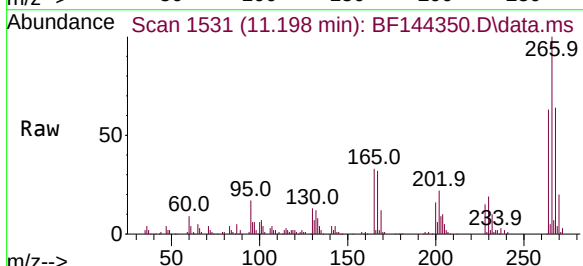
RT: 11.198 min Scan# 1531

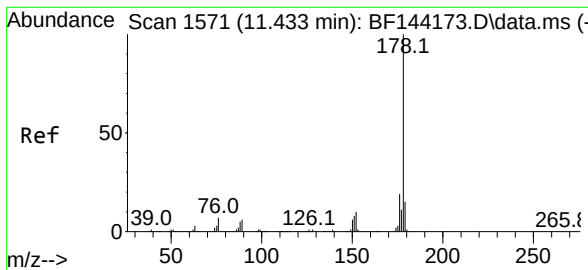
Delta R.T. -0.018 min

Lab File: BF144350.D

Acq: 25 Nov 2025 14:54

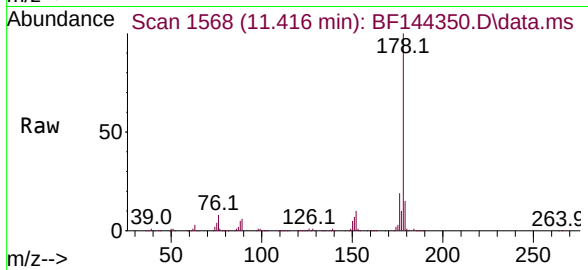
Tgt Ion:266 Resp: 109781
 Ion Ratio Lower Upper
 266 100
 268 64.4 49.5 74.3
 264 62.7 49.4 74.2





#71
Phenanthrene
Concen: 43.805 ng
RT: 11.416 min Scan# 1570
Delta R.T. -0.012 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

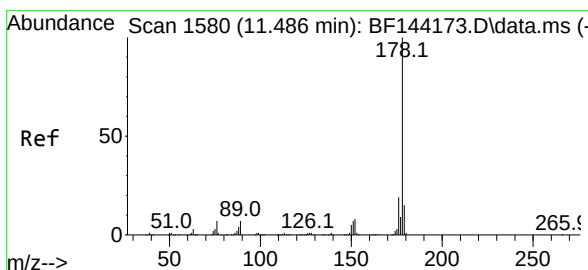
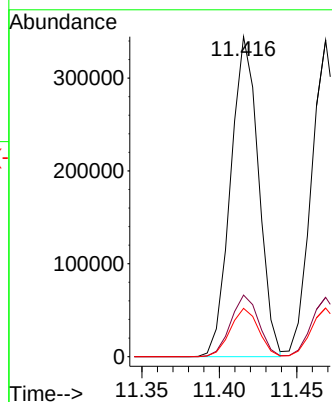
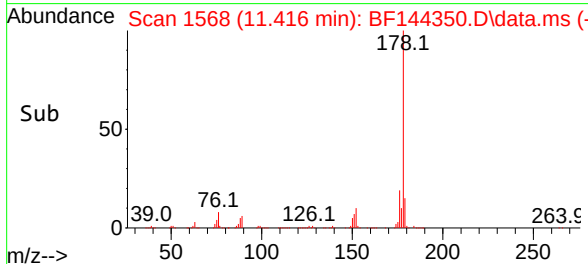
Instrument :
BNA_F
ClientSampleId :
PB170730BS



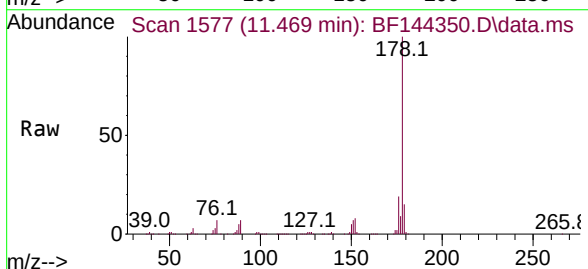
Tgt Ion:178 Resp: 433701
Ion Ratio Lower Upper
178 100
176 19.2 15.5 23.3
179 15.1 12.2 18.4

Manual Integrations
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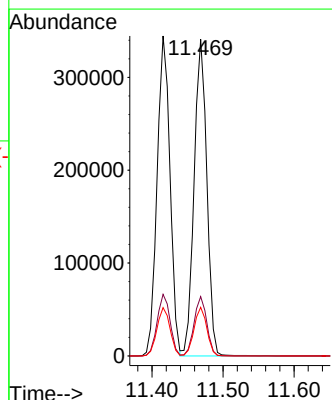
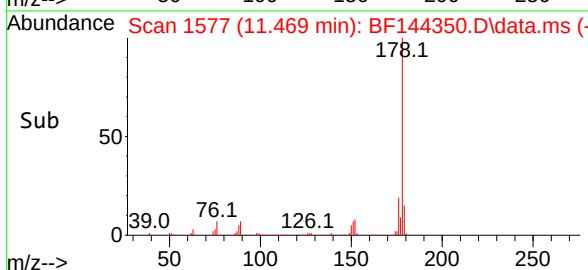
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025

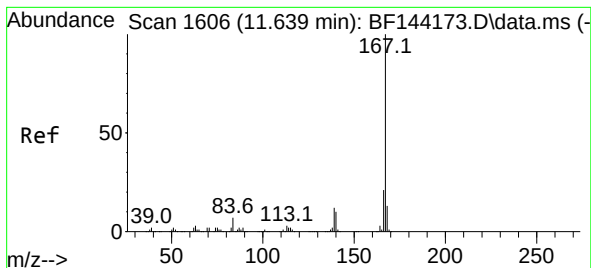


#72
Anthracene
Concen: 42.233 ng
RT: 11.469 min Scan# 1577
Delta R.T. -0.012 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54



Tgt Ion:178 Resp: 425180
Ion Ratio Lower Upper
178 100
176 18.7 15.3 22.9
179 15.3 12.0 18.0





#73

Carbazole

Concen: 42.613 ng

RT: 11.627 min Scan# 1604

Delta R.T. -0.012 min

Lab File: BF144350.D

Acq: 25 Nov 2025 14:54

Instrument :

BNA_F

ClientSampleId :

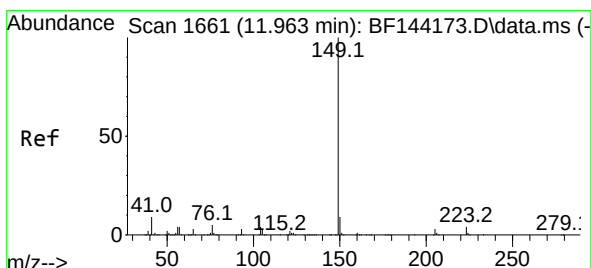
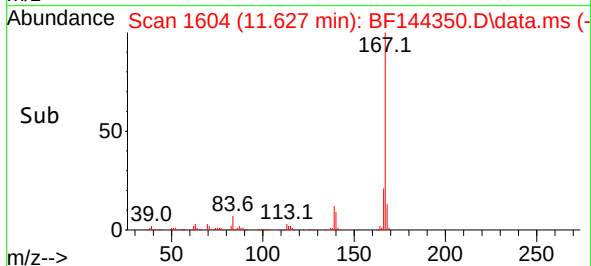
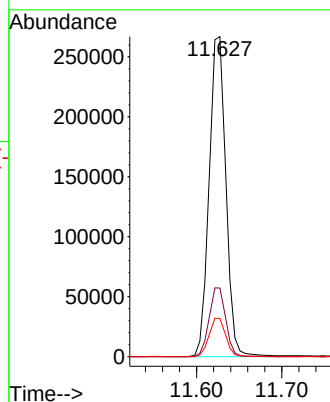
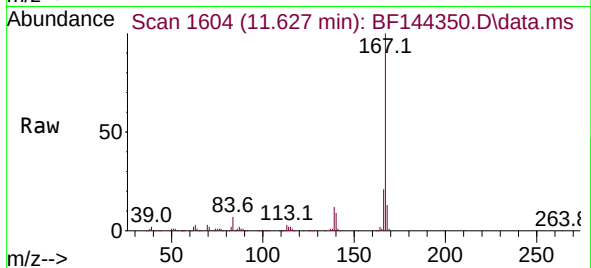
PB170730BS

Tgt Ion:167	Resp: 364792
Ion Ratio	Lower Upper
167	100
166	21.4 17.2 25.8
139	11.9 9.9 14.9

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025



#74

Di-n-butylphthalate

Concen: 42.574 ng

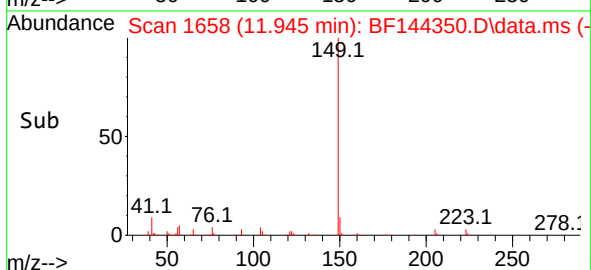
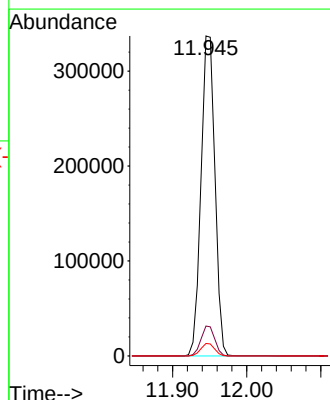
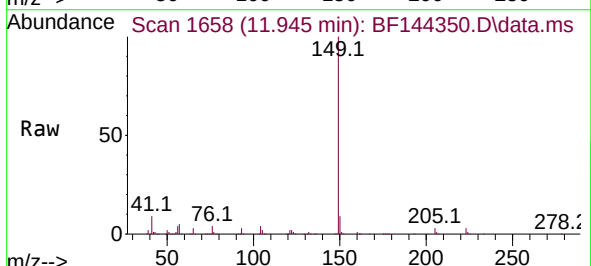
RT: 11.945 min Scan# 1658

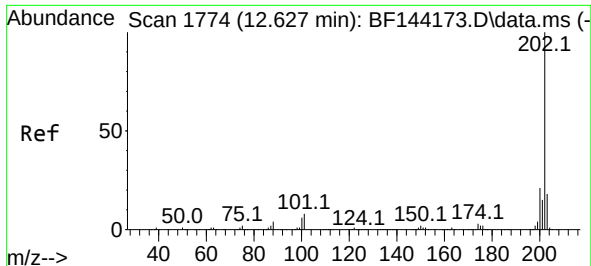
Delta R.T. -0.018 min

Lab File: BF144350.D

Acq: 25 Nov 2025 14:54

Tgt Ion:149	Resp: 440590
Ion Ratio	Lower Upper
149	100
150	9.3 7.4 11.0
104	3.9 3.4 5.2





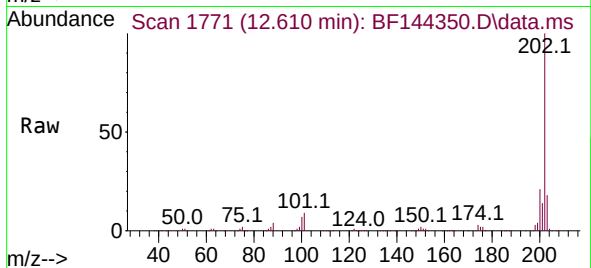
#75
Fluoranthene
Concen: 43.240 ng
RT: 12.610 min Scan# 1771
Delta R.T. -0.012 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

Instrument :

BNA_F

ClientSampleId :

PB170730BS

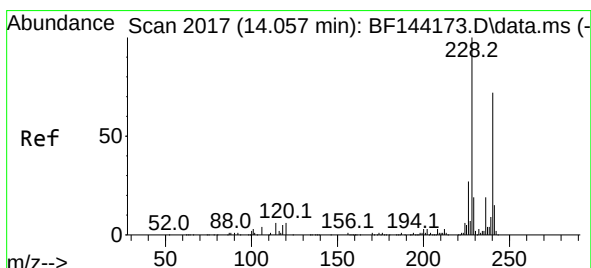
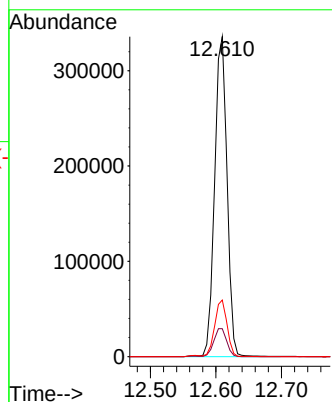
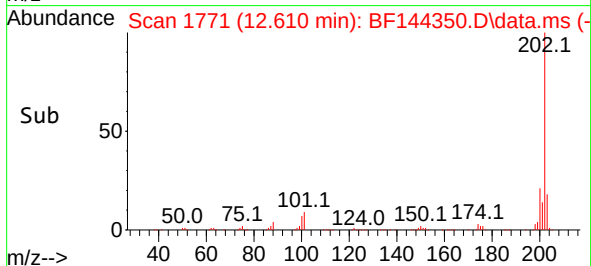


Tgt Ion:202 Resp: 442233
Ion Ratio Lower Upper
202 100
101 8.7 0.0 27.9
203 17.7 0.0 37.5

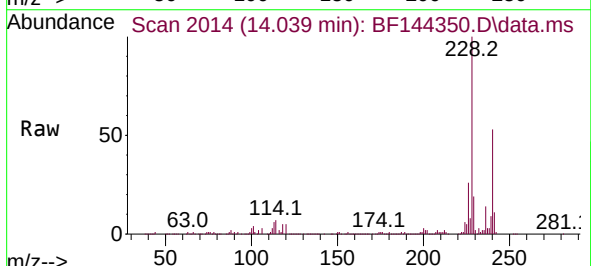
Manual Integrations

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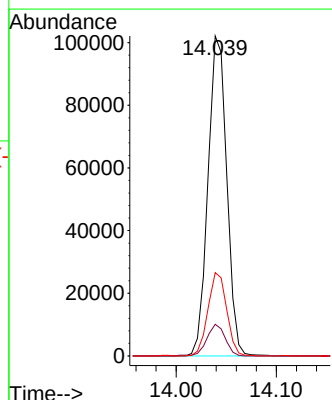
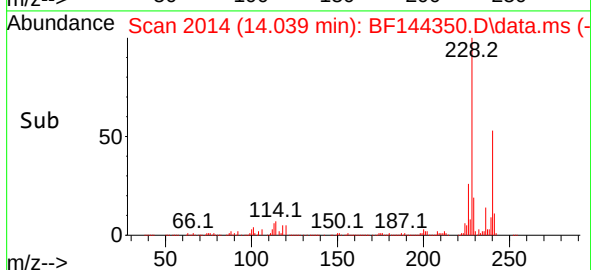
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025

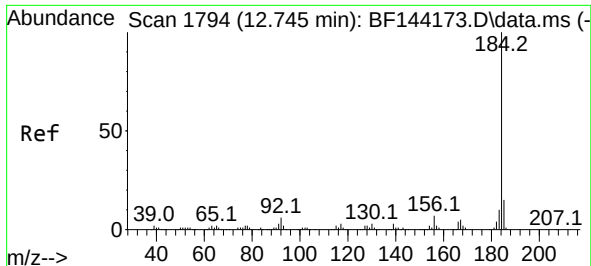


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.039 min Scan# 2014
Delta R.T. -0.012 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54



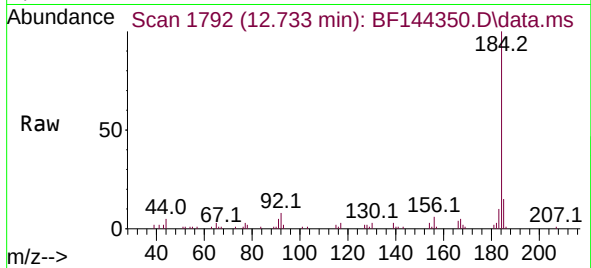
Tgt Ion:240 Resp: 132740
Ion Ratio Lower Upper
240 100
120 9.9 6.6 10.0
236 26.0 21.4 32.2





#77
Benzidine
Concen: 8.864 ng
RT: 12.733 min Scan# 1794
Delta R.T. -0.018 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

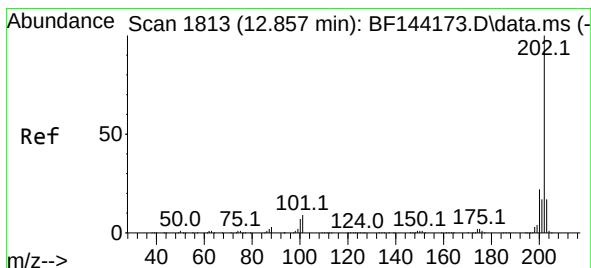
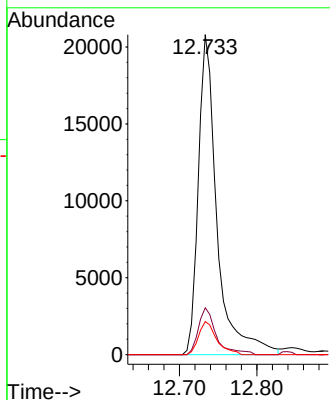
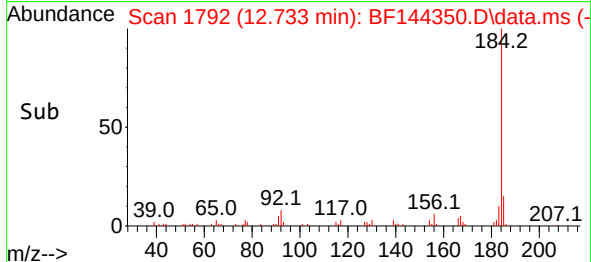
Instrument :
BNA_F
ClientSampleId :
PB170730BS



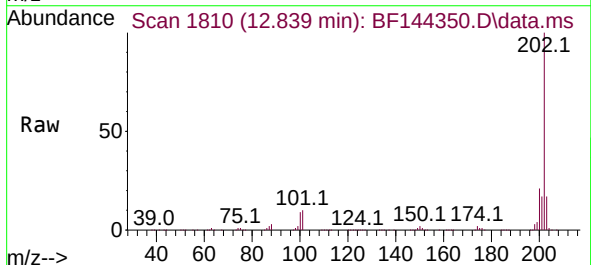
Tgt Ion:184 Resp: 34802
Ion Ratio Lower Upper
184 100
185 14.6 11.7 17.5
183 10.3 8.3 12.5

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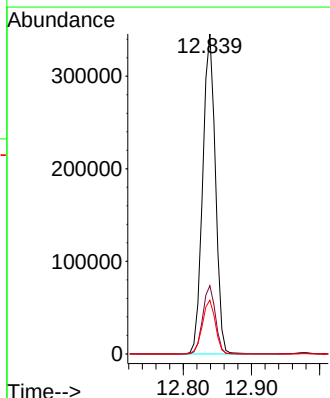
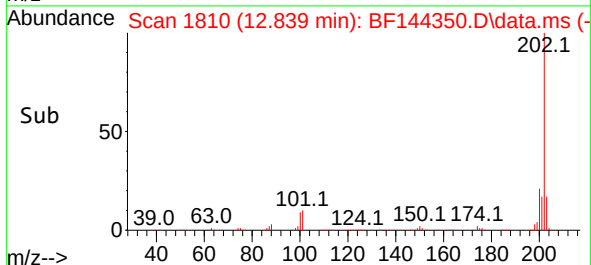
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025

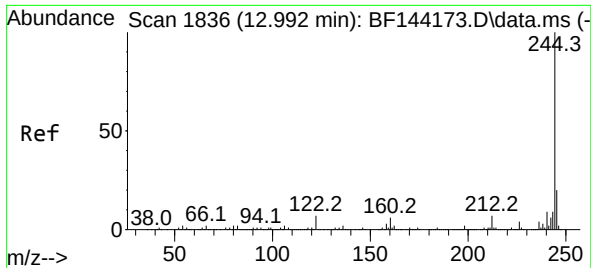


#78
Pyrene
Concen: 41.891 ng
RT: 12.839 min Scan# 1810
Delta R.T. -0.012 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54



Tgt Ion:202 Resp: 448343
Ion Ratio Lower Upper
202 100
200 21.3 17.2 25.8
203 16.8 13.7 20.5





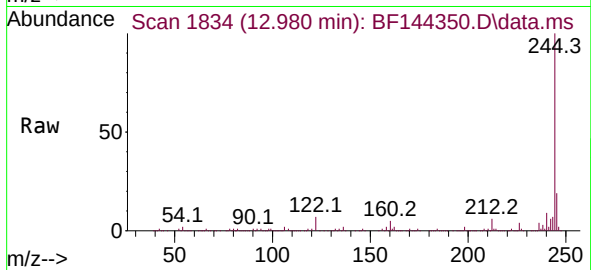
#79
 Terphenyl-d14
 Concen: 83.528 ng
 RT: 12.980 min Scan# 1834
 Delta R.T. -0.012 min
 Lab File: BF144350.D
 Acq: 25 Nov 2025 14:54

Instrument :

BNA_F

ClientSampleId :

PB170730BS

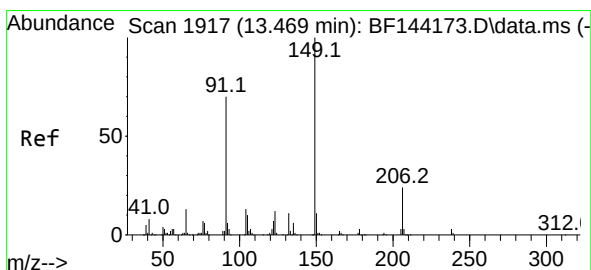
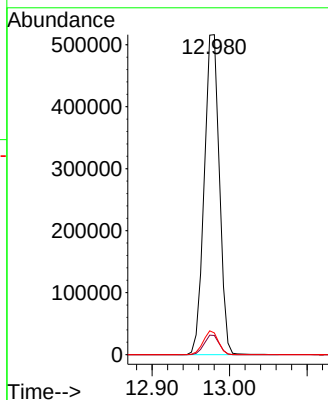
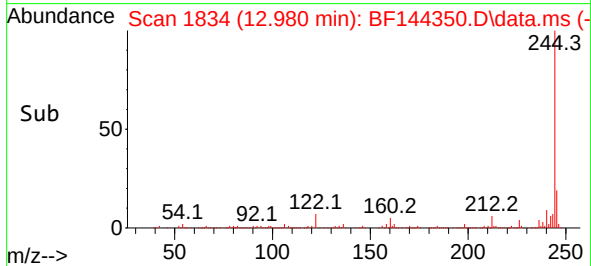


Tgt Ion:244 Resp: 69802
 Ion Ratio Lower Upper
 244 100
 212 6.0 5.3 7.9
 122 6.8 5.6 8.4

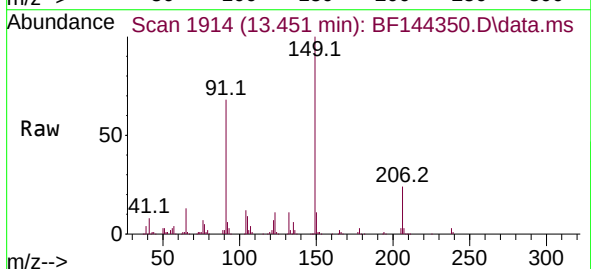
Manual Integrations

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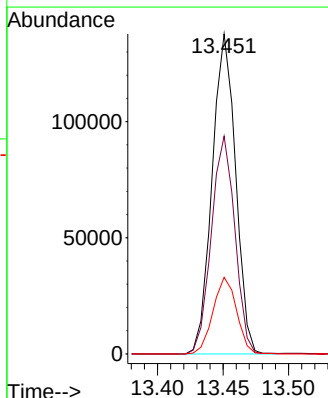
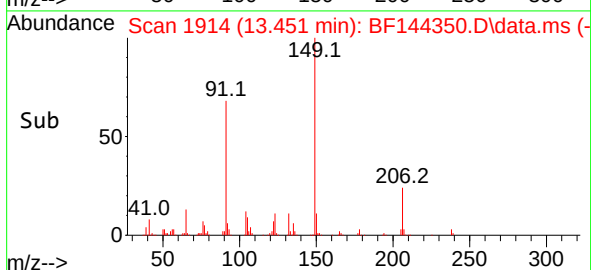
Reviewed By :Jagrut Upadhyay 11/26/2025
 Supervised By :mohammad ahmed 11/27/2025

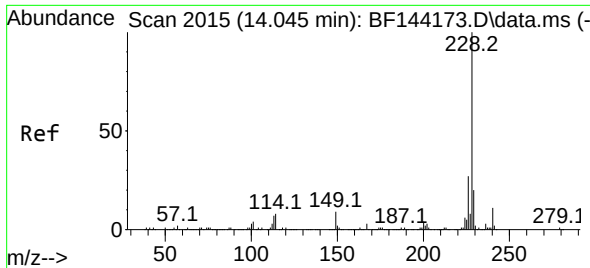


#80
 Butylbenzylphthalate
 Concen: 46.374 ng
 RT: 13.451 min Scan# 1914
 Delta R.T. -0.018 min
 Lab File: BF144350.D
 Acq: 25 Nov 2025 14:54



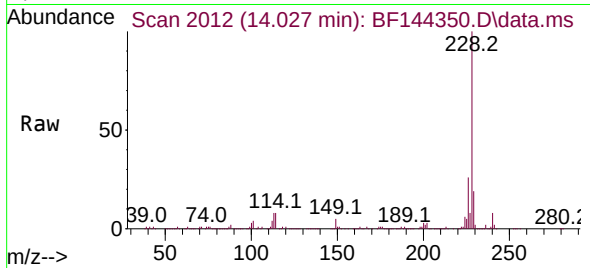
Tgt Ion:149 Resp: 172020
 Ion Ratio Lower Upper
 149 100
 91 68.0 56.1 84.1
 206 23.9 18.8 28.2





#81
Benzo(a)anthracene
Concen: 49.550 ng
RT: 14.027 min Scan# 2015
Delta R.T. -0.018 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

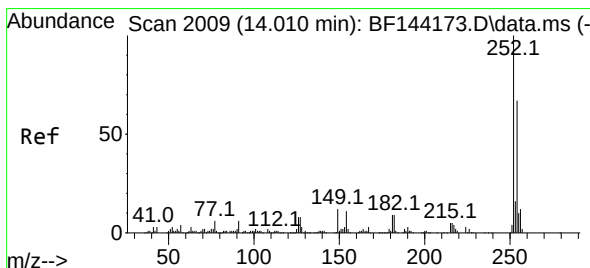
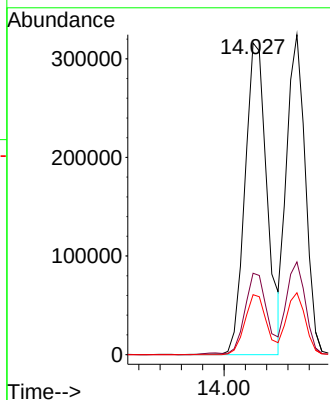
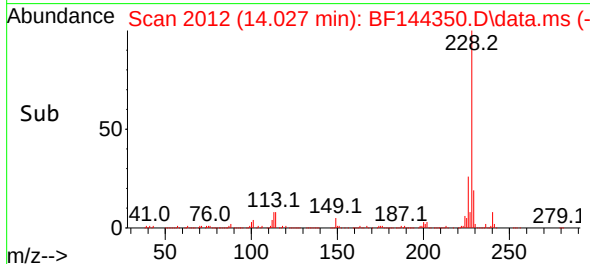
Instrument :
BNA_F
ClientSampleId :
PB170730BS



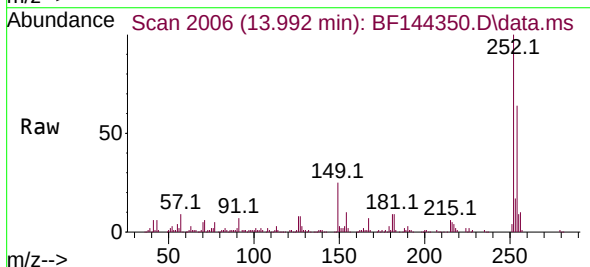
Tgt Ion:228 Resp: 455856
Ion Ratio Lower Upper
228 100
226 26.1 21.8 32.8
229 19.2 15.8 23.6

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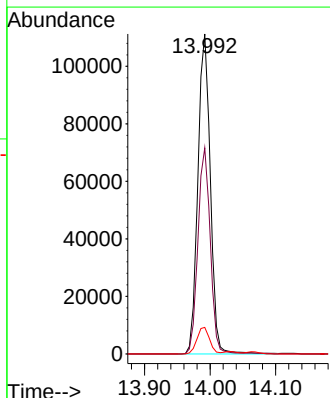
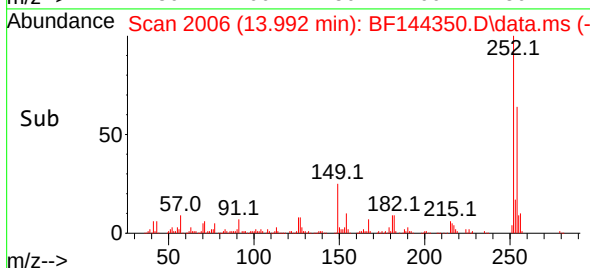
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025

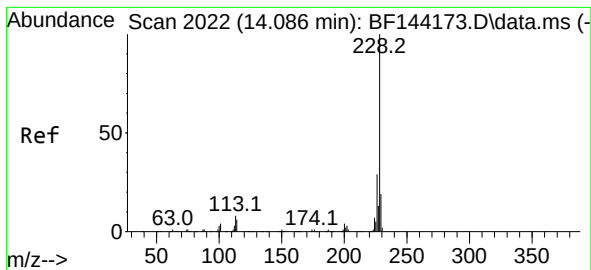


#82
3,3'-Dichlorobenzidine
Concen: 46.219 ng
RT: 13.992 min Scan# 2006
Delta R.T. -0.018 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54



Tgt Ion:252 Resp: 145752
Ion Ratio Lower Upper
252 100
254 64.4 53.5 80.3
126 8.3 6.4 9.6





#83

Chrysene

Concen: 46.447 ng

RT: 14.068 min Scan# 2009

Delta R.T. -0.012 min

Lab File: BF144350.D

Acq: 25 Nov 2025 14:54

Instrument :

BNA_F

ClientSampleId :

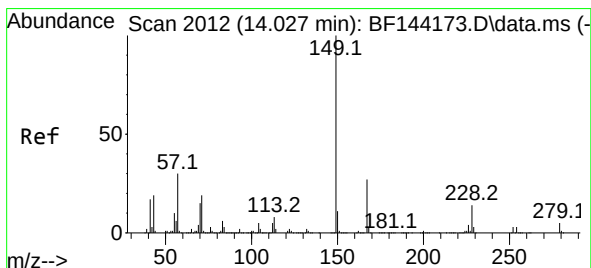
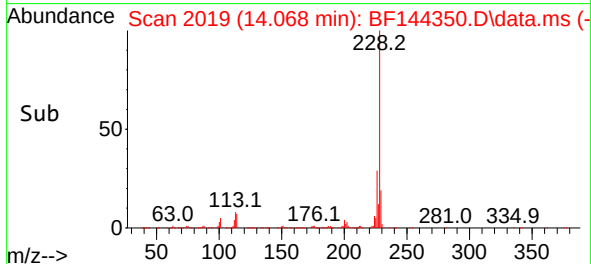
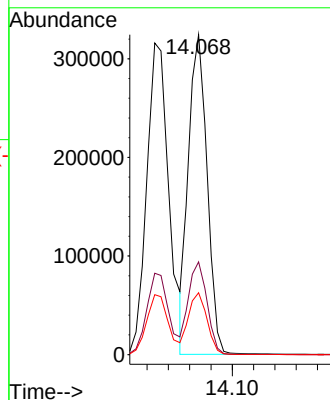
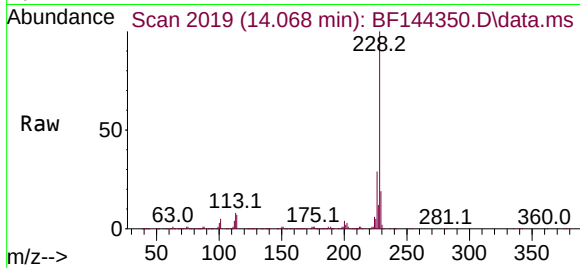
PB170730BS

Tgt Ion:228	Resp: 394462
Ion Ratio	Lower Upper
228 100	
226 29.0	22.9 34.3
229 19.3	15.0 22.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 48.149 ng

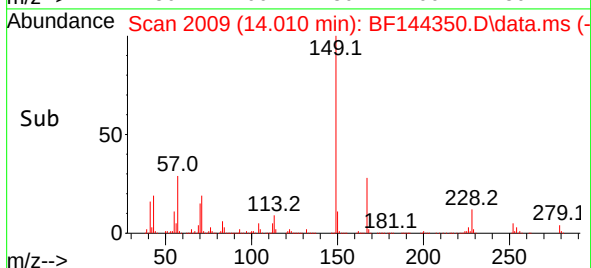
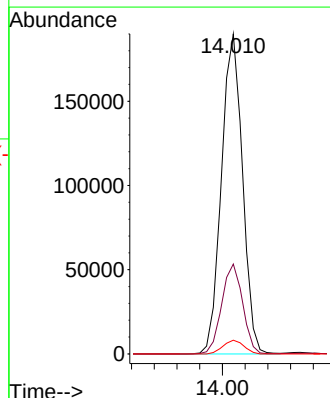
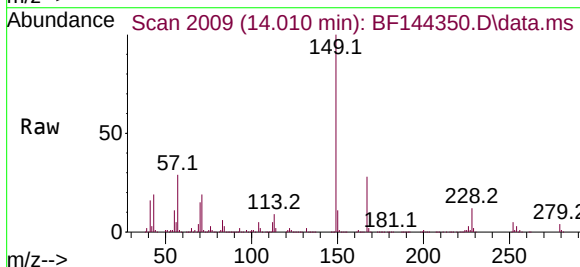
RT: 14.010 min Scan# 2009

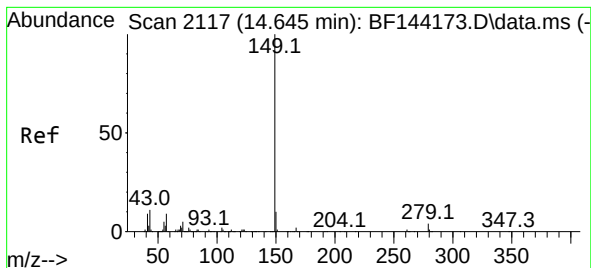
Delta R.T. -0.018 min

Lab File: BF144350.D

Acq: 25 Nov 2025 14:54

Tgt Ion:149	Resp: 244500
Ion Ratio	Lower Upper
149 100	
167 28.1	21.8 32.8
279 4.3	3.7 5.5





#85

Di-n-octyl phthalate

Concen: 50.988 ng

RT: 14.621 min Scan# 2117

Delta R.T. -0.024 min

Lab File: BF144350.D

Acq: 25 Nov 2025 14:54

Instrument :

BNA_F

ClientSampleId :

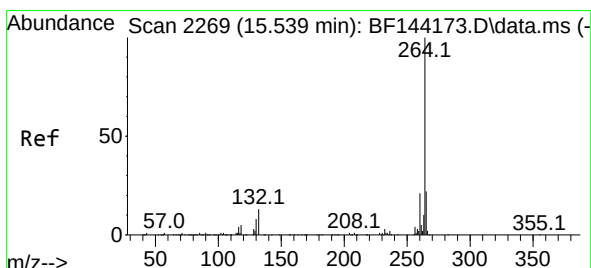
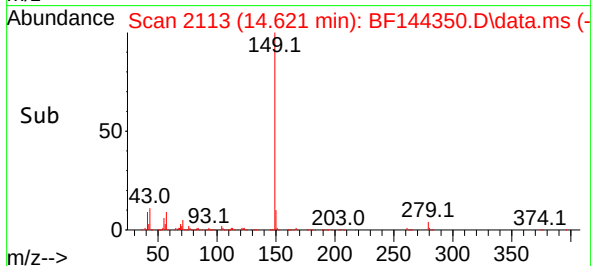
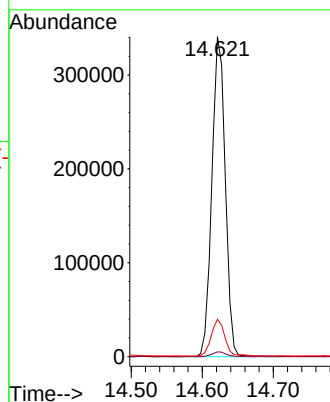
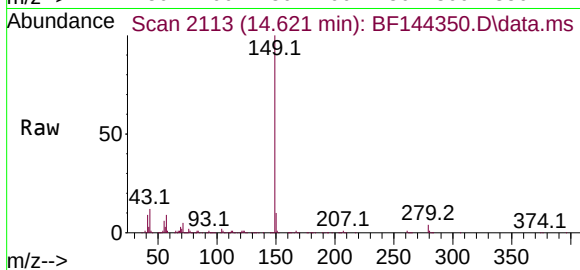
PB170730BS

Tgt Ion:149 Resp: 446718
 Ion Ratio Lower Upper
 149 100
 167 1.6 1.2 1.8
 43 11.6 9.0 13.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/26/2025
 Supervised By :mohammad ahmed 11/27/2025



#86

Perylene-d12

Concen: 20.000 ng

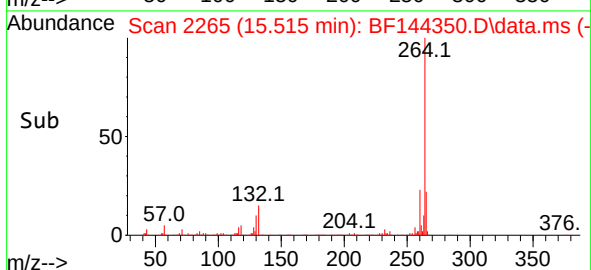
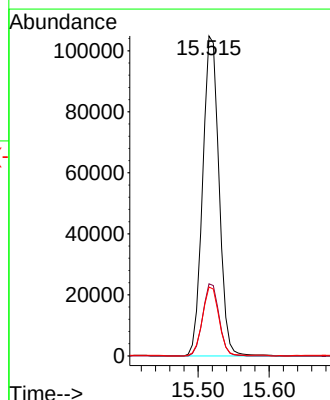
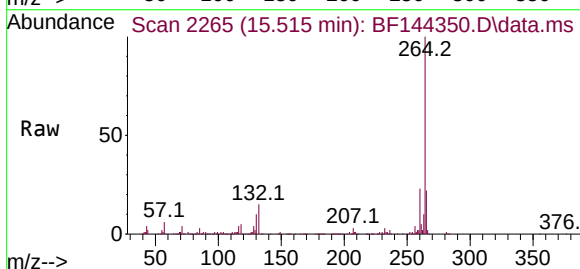
RT: 15.515 min Scan# 2265

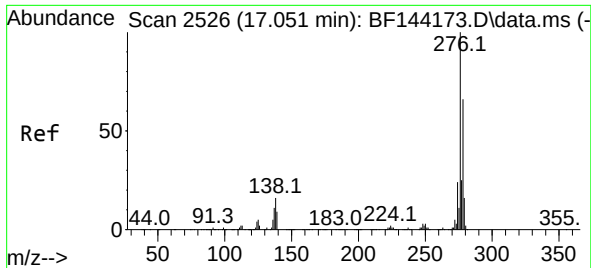
Delta R.T. -0.024 min

Lab File: BF144350.D

Acq: 25 Nov 2025 14:54

Tgt Ion:264 Resp: 166770
 Ion Ratio Lower Upper
 264 100
 260 22.5 17.1 25.7
 265 21.5 17.4 26.0





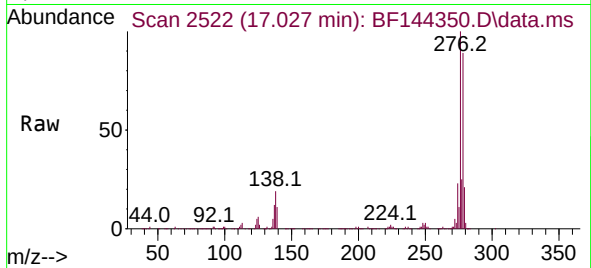
#87
Indeno(1,2,3-cd)pyrene
Concen: 48.304 ng
RT: 17.027 min Scan# 2192
Delta R.T. -0.006 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54

Instrument :

BNA_F

ClientSampleId :

PB170730BS

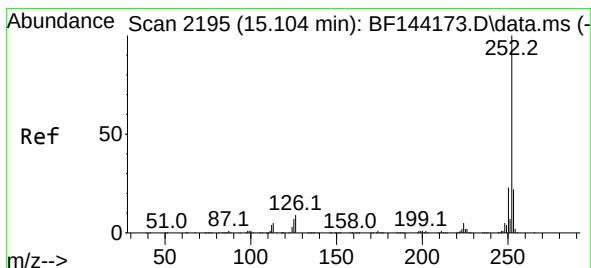
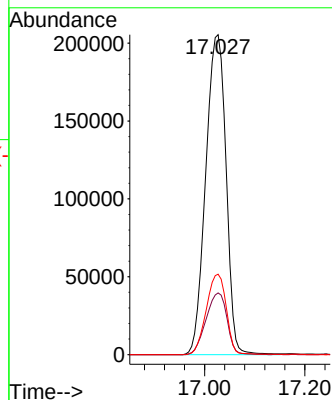
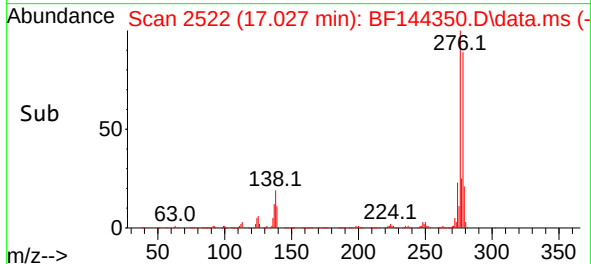


Tgt Ion:276 Resp: 578262
Ion Ratio Lower Upper
276 100
138 19.9 13.9 20.9
277 24.8 19.8 29.6

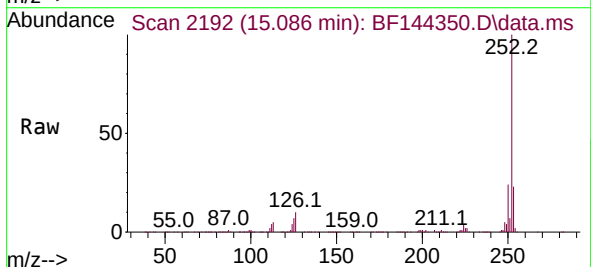
Manual Integrations

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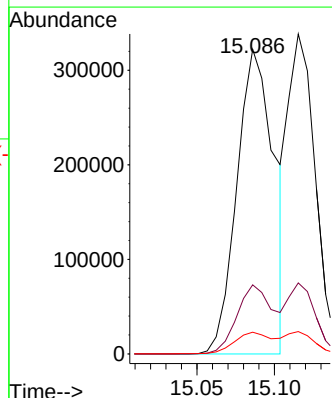
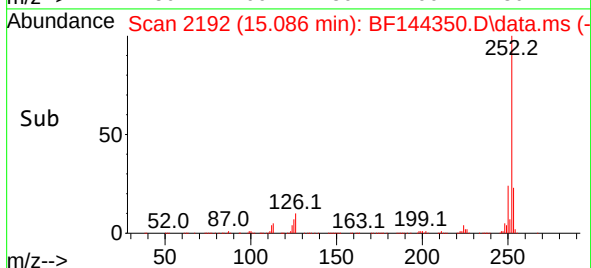
Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025

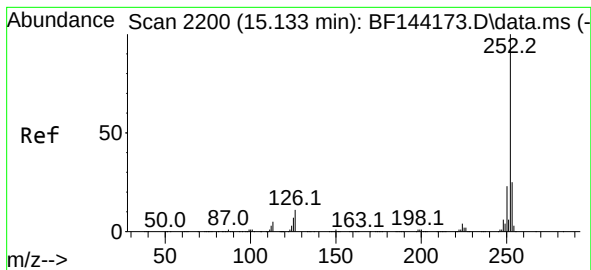


#88
Benzo(b)fluoranthene
Concen: 56.708 ng
RT: 15.086 min Scan# 2192
Delta R.T. -0.012 min
Lab File: BF144350.D
Acq: 25 Nov 2025 14:54



Tgt Ion:252 Resp: 537665
Ion Ratio Lower Upper
252 100
253 22.7 17.4 26.2
125 7.1 5.3 7.9





#89

Benzo(k)fluoranthene

Concen: 46.843 ng

RT: 15.115 min Scan# 2197

Delta R.T. -0.012 min

Lab File: BF144350.D

Acq: 25 Nov 2025 14:54

Instrument :

BNA_F

ClientSampleId :

PB170730BS

Tgt Ion:252 Resp: 415699

Ion Ratio Lower Upper

252 100

253 22.2 18.0 27.0

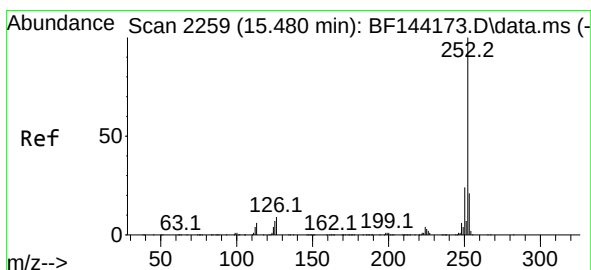
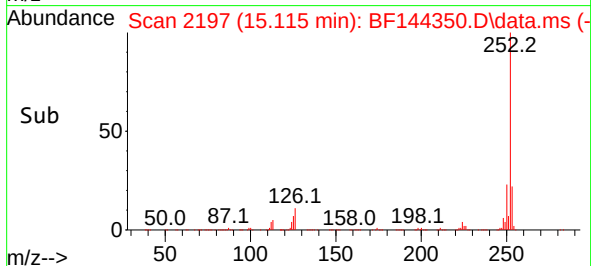
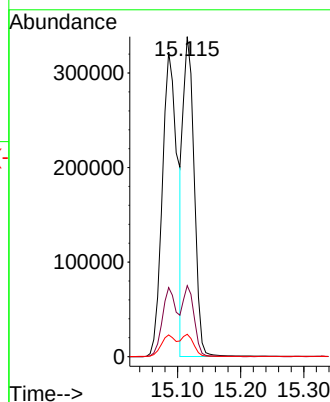
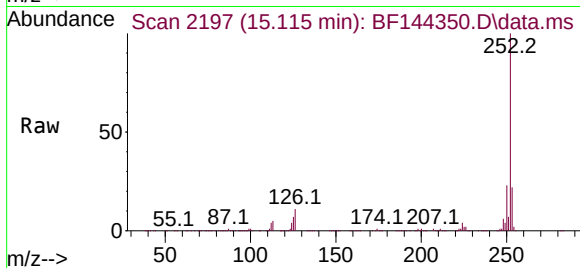
125 7.0 5.4 8.2

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/26/2025

Supervised By :mohammad ahmed 11/27/2025



#90

Benzo(a)pyrene

Concen: 48.772 ng

RT: 15.457 min Scan# 2255

Delta R.T. -0.018 min

Lab File: BF144350.D

Acq: 25 Nov 2025 14:54

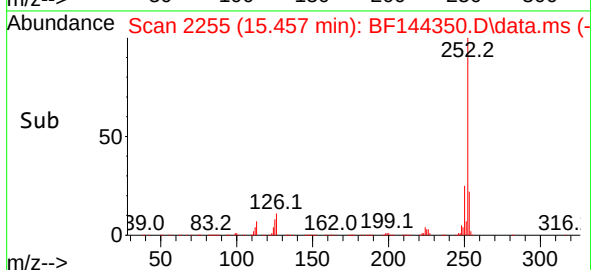
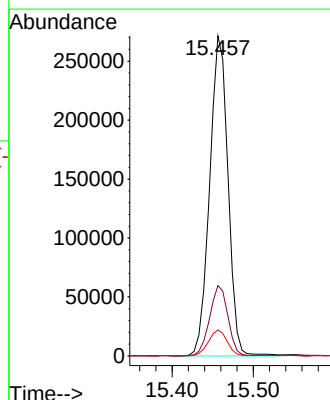
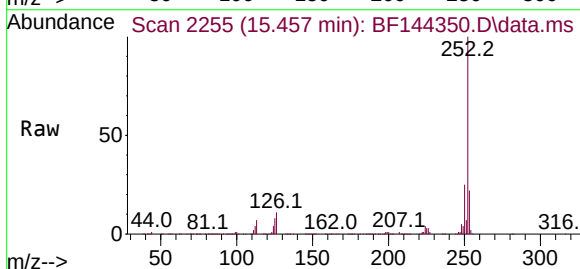
Tgt Ion:252 Resp: 426596

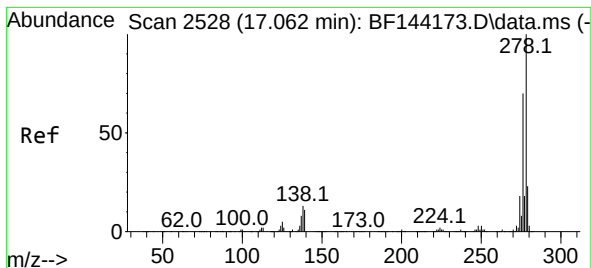
Ion Ratio Lower Upper

252 100

253 22.0 16.7 25.1

125 8.1 5.7 8.5





#91

Dibenzo(a,h)anthracene

Concen: 49.754 ng

RT: 17.039 min Scan# 2528

Delta R.T. -0.012 min

Lab File: BF144350.D

Acq: 25 Nov 2025 14:54

Instrument :

BNA_F

ClientSampleId :

PB170730BS

Tgt Ion:278 Resp: 478350

Ion Ratio Lower Upper

278 100

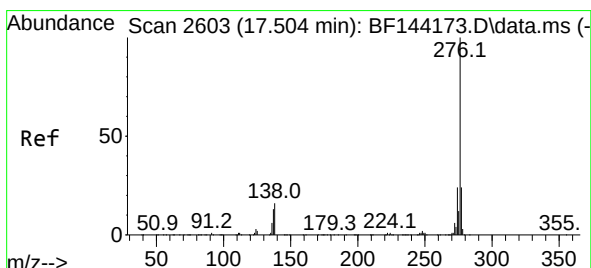
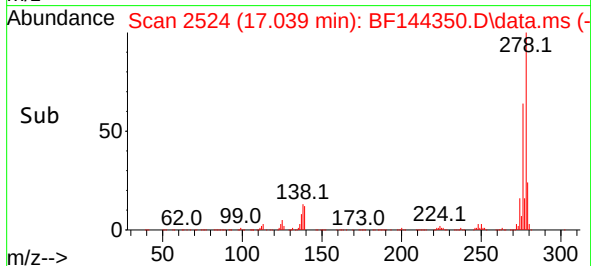
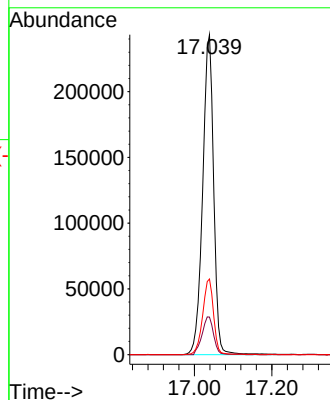
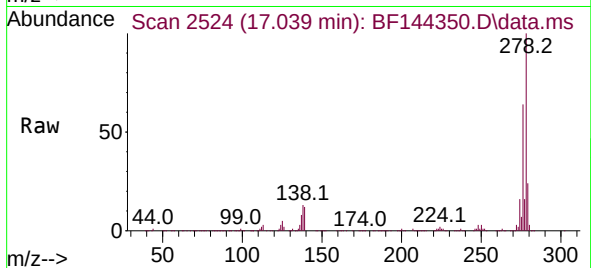
139 11.7 9.1 13.7

279 23.7 18.2 27.4

Manual Integrations

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Reviewed By :Jagrut Upadhyay 11/26/2025
Supervised By :mohammad ahmed 11/27/2025



#92

Benzo(g,h,i)perylene

Concen: 50.672 ng

RT: 17.480 min Scan# 2599

Delta R.T. -0.012 min

Lab File: BF144350.D

Acq: 25 Nov 2025 14:54

Tgt Ion:276 Resp: 481091

Ion Ratio Lower Upper

276 100

277 23.9 19.0 28.4

138 17.8 12.9 19.3

