

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF062625\
 Data File : BF142873.D
 Acq On : 26 Jun 2025 17:36
 Operator : RC/JU
 Sample : Q2416-01MSD
 Misc :
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 MH-G/HMSD

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 06/27/2025
 Supervised By :Jagrut Upadhyay 06/27/2025

Quant Time: Jun 26 18:00:13 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF061925.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.875	152	79872	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	303973	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	162686	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	266635	20.000	ng	0.00
76) Chrysene-d12	14.057	240	149914	20.000	ng	0.00
86) Perylene-d12	15.545	264	166770	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.498	112	353823	73.754	ng	0.00
7) Phenol-d6	6.504	99	430468	76.056	ng	0.00
23) Nitrobenzene-d5	7.439	82	256260	46.241	ng	0.00
42) 2,4,6-Tribromophenol	10.710	330	118414	70.731	ng	0.00
45) 2-Fluorobiphenyl	9.239	172	570630	46.078	ng	0.00
79) Terphenyl-d14	12.992	244	491190	45.271	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.704	88	72253	37.655	ng	99
3) Pyridine	3.463	79	192052	39.924	ng	98
4) n-Nitrosodimethylamine	3.422	42	105561	42.436	ng	100
6) Aniline	6.539	93	153002	20.316	ng	94
8) 2-Chlorophenol	6.663	128	223617	43.211	ng	97
9) Benzaldehyde	6.428	77	98497	29.333	ng	99
10) Phenol	6.522	94	261112	41.503	ng	98
11) bis(2-Chloroethyl)ether	6.610	93	192545	42.820	ng	98
12) 1,3-Dichlorobenzene	6.816	146	248816	42.991	ng	99
13) 1,4-Dichlorobenzene	6.892	146	246549	42.223	ng	99
14) 1,2-Dichlorobenzene	7.045	146	234603	42.359	ng	99
15) Benzyl Alcohol	7.016	79	179726	43.924	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.151	45	295841	40.950	ng	97
17) 2-Methylphenol	7.134	107	170832	43.561	ng	98
18) Hexachloroethane	7.386	117	87263	42.726	ng	96
19) n-Nitroso-di-n-propyla...	7.287	70	144735	43.968	ng	98
20) 3+4-Methylphenols	7.287	107	214697	43.909	ng	93
22) Acetophenone	7.287	105	291908	43.548	ng	99
24) Nitrobenzene	7.457	77	216652	43.193	ng	99
25) Isophorone	7.698	82	385197	43.330	ng	100
26) 2-Nitrophenol	7.775	139	123240	45.104	ng	99
27) 2,4-Dimethylphenol	7.816	122	205547	43.429	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	245774	43.486	ng	100
29) 2,4-Dichlorophenol	8.022	162	187709	43.741	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	201446	42.689	ng	99
31) Naphthalene	8.181	128	641542	43.117	ng	100
32) Benzoic acid	7.898	122	40191m	16.661	ng	
33) 4-Chloroaniline	8.228	127	65208	10.778	ng	99
34) Hexachlorobutadiene	8.298	225	123483	42.780	ng	99
35) Caprolactam	8.604	113	54934m	48.511	ng	
36) 4-Chloro-3-methylphenol	8.722	107	192957	45.242	ng	99
37) 2-Methylnaphthalene	8.875	142	400102	43.374	ng	99
38) 1-Methylnaphthalene	8.975	142	417561	43.728	ng	100
40) 1,2,4,5-Tetrachloroben...	9.039	216	203848	42.465	ng	99
41) Hexachlorocyclopentadiene	9.028	237	211937	77.801	ng	100
43) 2,4,6-Trichlorophenol	9.157	196	129432	41.378	ng	98

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 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Tue Jun 24 05:28:21 2025
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	139865	42.476	ng	99
46) 1,1'-Biphenyl	9.339	154	554149	43.120	ng	100
47) 2-Chloronaphthalene	9.363	162	408195	42.326	ng	99
48) 2-Nitroaniline	9.463	65	123605	45.716	ng	98
49) Acenaphthylene	9.780	152	679858	42.823	ng	100
50) Dimethylphthalate	9.639	163	476574	45.255	ng	99
51) 2,6-Dinitrotoluene	9.704	165	105606	45.665	ng	97
52) Acenaphthene	9.951	154	402790	41.583	ng	99
53) 3-Nitroaniline	9.869	138	55907	21.957	ng	99
54) 2,4-Dinitrophenol	9.980	184	26118	22.555	ng	96
55) Dibenzofuran	10.127	168	595071	42.842	ng	99
56) 4-Nitrophenol	10.039	139	142376	81.677	ng	99
57) 2,4-Dinitrotoluene	10.110	165	140900	45.868	ng	98
58) Fluorene	10.469	166	465440	42.906	ng	100
59) 2,3,4,6-Tetrachlorophenol	10.245	232	104527	39.382	ng	96
60) Diethylphthalate	10.339	149	474099	45.917	ng	100
61) 4-Chlorophenyl-phenyle...	10.457	204	221765	42.841	ng	98
62) 4-Nitroaniline	10.486	138	102550	44.037	ng	99
63) Azobenzene	10.622	77	439695	47.647	ng	94
65) 4,6-Dinitro-2-methylph...	10.516	198	28654	17.767	ng	89
66) n-Nitrosodiphenylamine	10.580	169	406412	43.980	ng	99
67) 4-Bromophenyl-phenylether	10.951	248	135921	44.791	ng	98
68) Hexachlorobenzene	11.016	284	146346	43.402	ng	98
69) Atrazine	11.104	200	126023	52.811	ng	99
70) Pentachlorophenol	11.216	266	91245	54.305	ng	98
71) Phenanthrene	11.433	178	626087	43.347	ng	99
72) Anthracene	11.486	178	641967	43.337	ng	99
73) Carbazole	11.639	167	558878	43.720	ng	100
74) Di-n-butylphthalate	11.969	149	694109	52.122	ng	100
75) Fluoranthene	12.621	202	582494	42.494	ng	100
77) Benzidine	12.745	184	113001	20.063	ng	99
78) Pyrene	12.851	202	563776	40.121	ng	100
80) Butylbenzylphthalate	13.468	149	216670	53.156	ng	97
81) Benzo(a)anthracene	14.045	228	441721	43.677	ng	99
82) 3,3'-Dichlorobenzidine	14.004	252	33127	10.099	ng	99
83) Chrysene	14.080	228	394695	43.737	ng	100
84) Bis(2-ethylhexyl)phtha...	14.027	149	273853	46.696	ng	99
85) Di-n-octyl phthalate	14.639	149	446186	40.348	ng	99
87) Indeno(1,2,3-cd)pyrene	17.056	276	414638	32.642	ng	99
88) Benzo(b)fluoranthene	15.104	252	457199	47.378	ng	99
89) Benzo(k)fluoranthene	15.139	252	406991	45.079	ng	99
90) Benzo(a)pyrene	15.480	252	421307	45.192	ng	100
91) Dibenzo(a,h)anthracene	17.068	278	340353	32.976	ng	99
92) Benzo(g,h,i)perylene	17.509	276	303068	29.447	ng	98

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



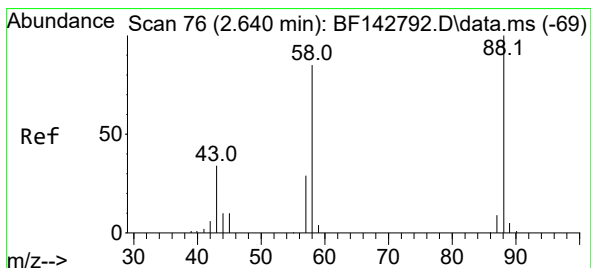
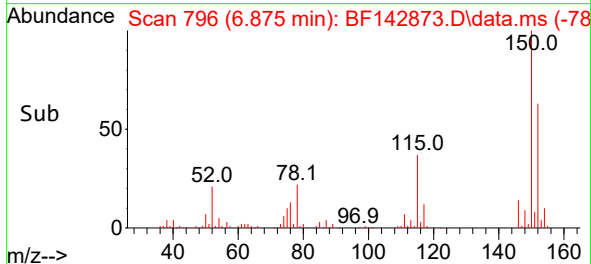
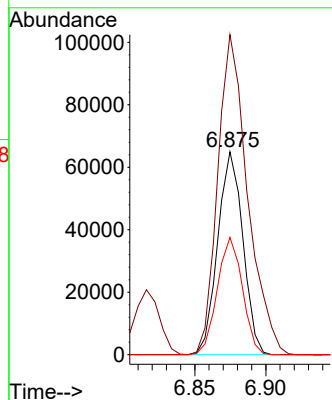
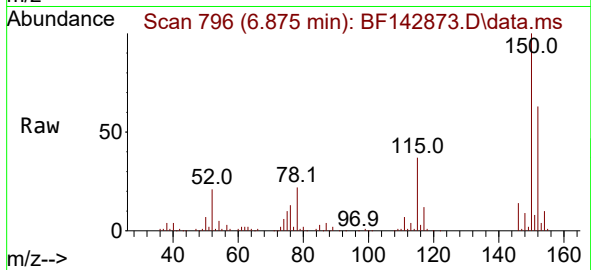
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.875 min Scan# 79
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

Instrument :
BNA_F
ClientSampleId :
MH-G/HMSD

Tgt Ion:152 Resp: 79872
Ion Ratio Lower Upper
152 100
150 157.8 127.2 190.8
115 57.8 46.6 69.8

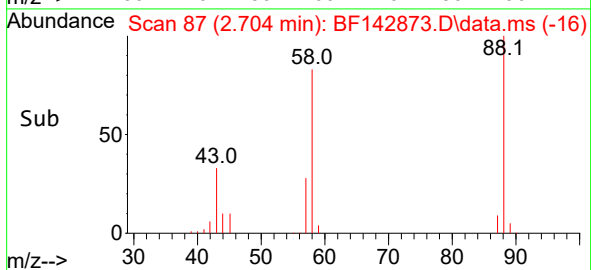
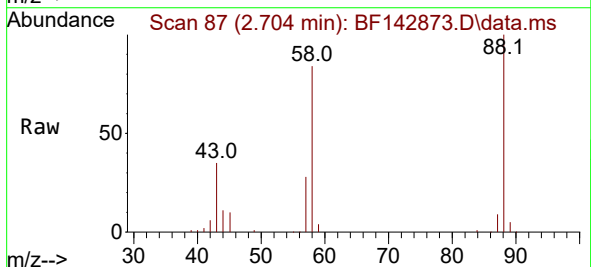
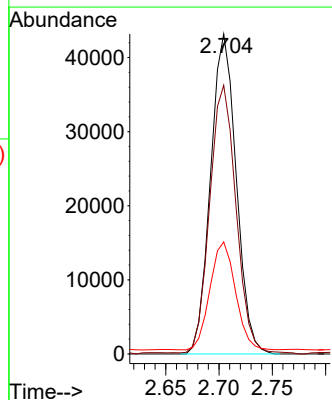
Manual Integrations
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Supervised By :Jagrut Upadhyay 06/27/2025



#2
1,4-Dioxane
Concen: 37.655 ng
RT: 2.704 min Scan# 87
Delta R.T. 0.065 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

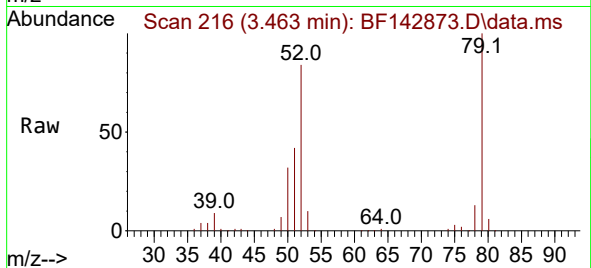
Tgt Ion: 88 Resp: 72253
Ion Ratio Lower Upper
88 100
58 86.7 69.1 103.7
43 33.5 27.4 41.2





#3
Pyridine
Concen: 39.924 ng
RT: 3.463 min Scan# 216
Delta R.T. 0.053 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

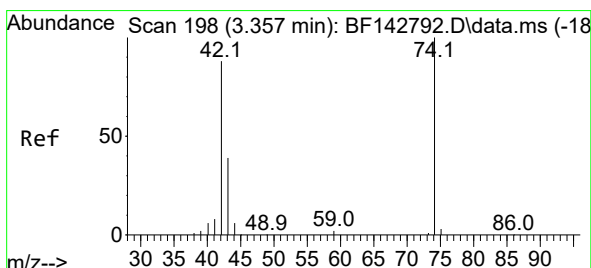
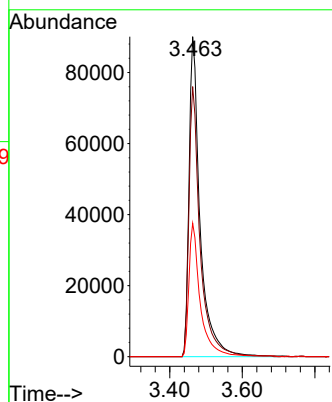
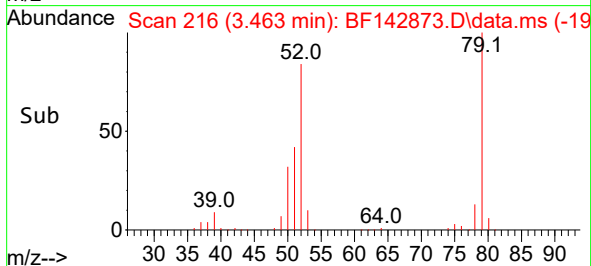
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BNA_F
ClientSampleId :
MH-G/HMSD



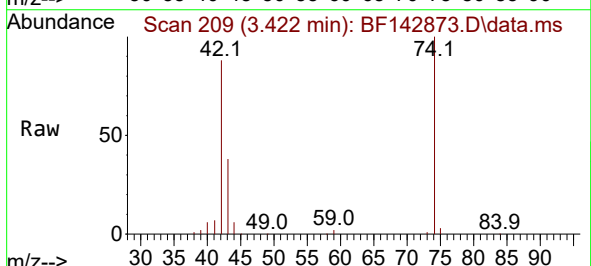
Tgt Ion: 79 Resp: 192052
Ion Ratio Lower Upper
79 100
52 84.4 69.2 103.8
51 41.7 33.2 49.8

Manual Integrations
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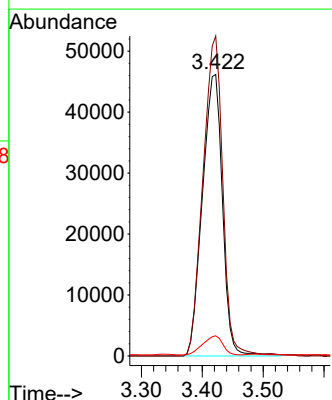
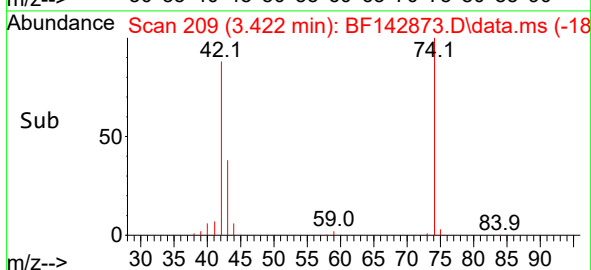
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#4
n-Nitrosodimethylamine
Concen: 42.436 ng
RT: 3.422 min Scan# 209
Delta R.T. 0.065 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36



Tgt Ion: 42 Resp: 105561
Ion Ratio Lower Upper
42 100
74 113.6 90.9 136.3
44 7.2 5.8 8.6





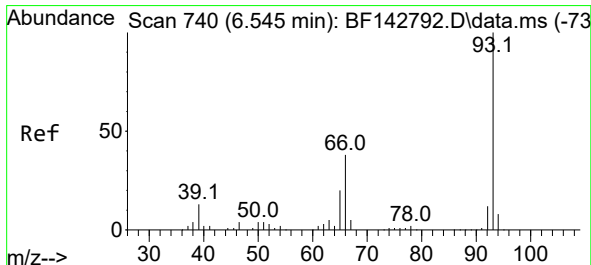
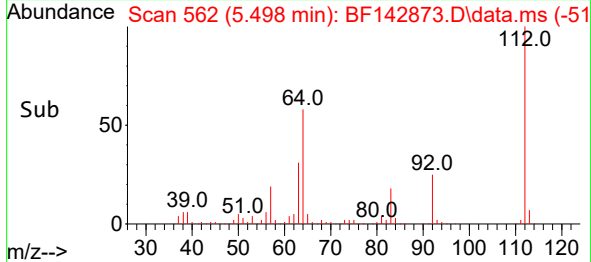
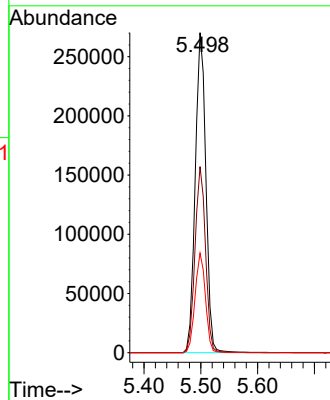
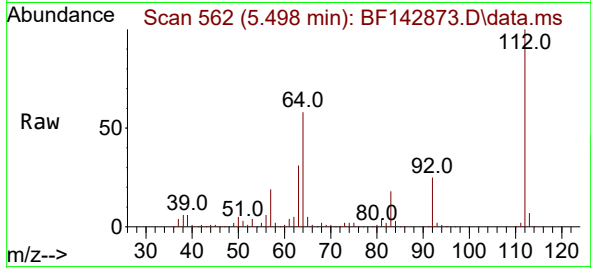
#5
2-Fluorophenol
Concen: 73.754 ng
RT: 5.498 min Scan# 501
Delta R.T. 0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

Instrument :
BNA_F
ClientSampleId :
MH-G/HMSD

Tgt Ion:112 Resp: 35382
Ion Ratio Lower Upper
112 100
64 58.2 48.2 72.2
63 31.1 25.7 38.5

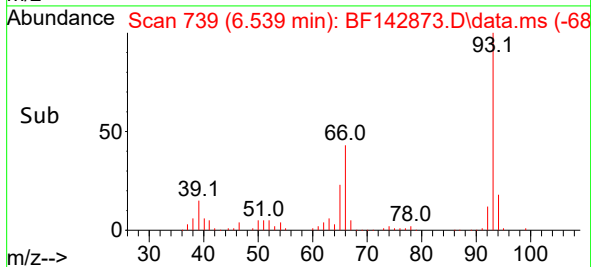
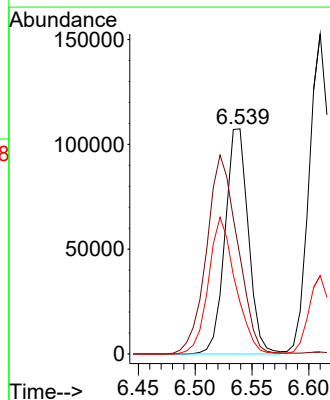
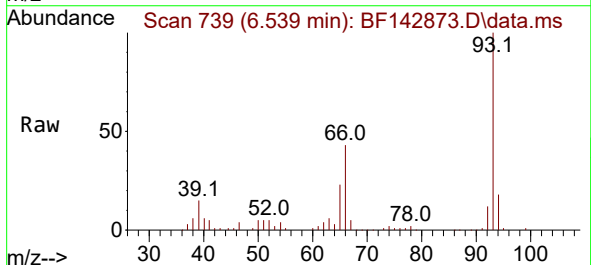
Manual Integrations
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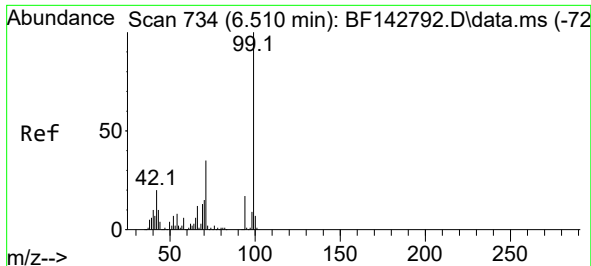
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#6
Aniline
Concen: 20.316 ng
RT: 6.539 min Scan# 739
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

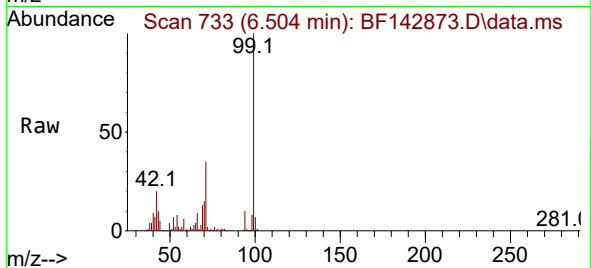
Tgt Ion: 93 Resp: 153002
Ion Ratio Lower Upper
93 100
66 43.4 31.8 47.6
65 22.9 16.2 24.2





#7
Phenol-d6
Concen: 76.056 ng
RT: 6.504 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

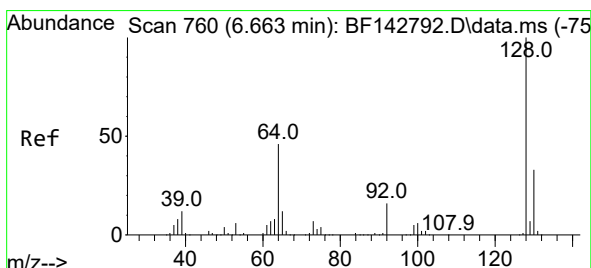
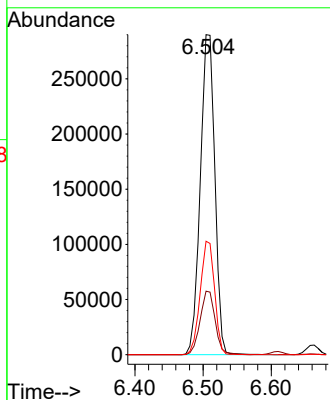
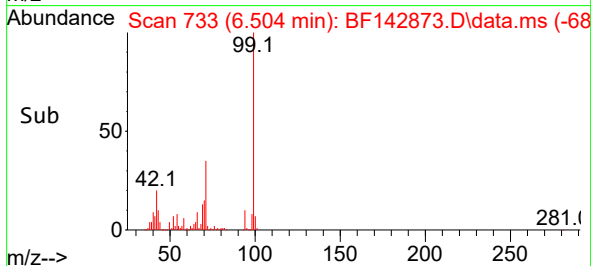
Instrument :
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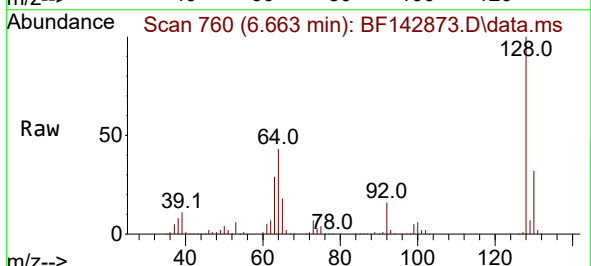
Tgt Ion: 99 Resp: 430468
Ion Ratio Lower Upper
99 100
42 19.8 15.9 23.9
71 35.5 27.8 41.8

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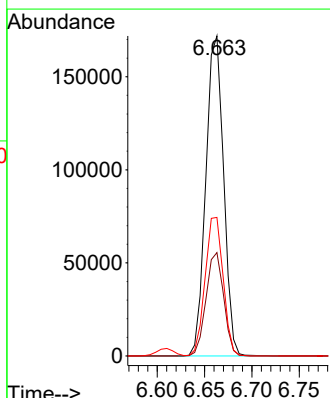
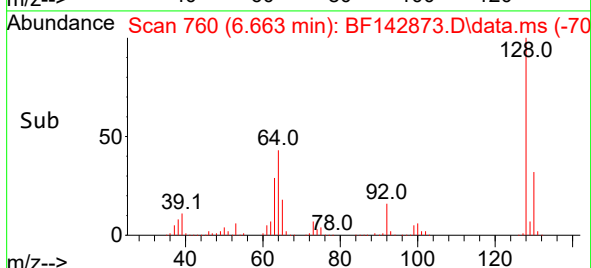
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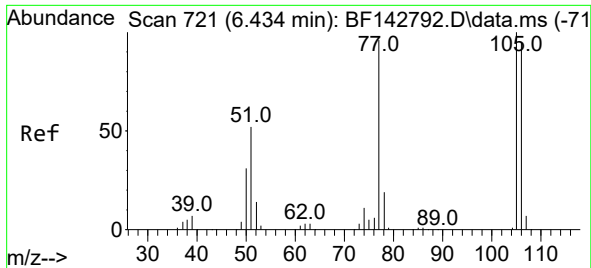


#8
2-Chlorophenol
Concen: 43.211 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36



Tgt Ion:128 Resp: 223617
Ion Ratio Lower Upper
128 100
130 32.3 12.7 52.7
64 43.3 26.5 66.5





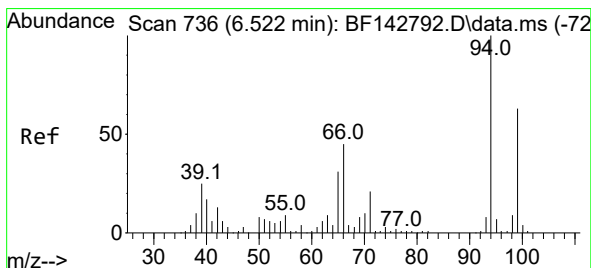
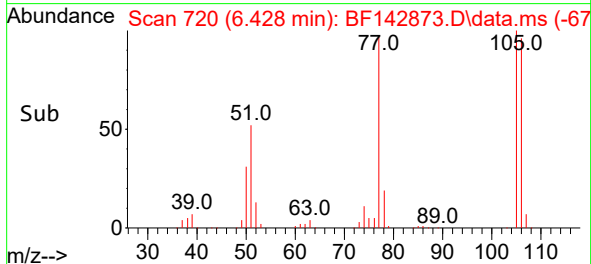
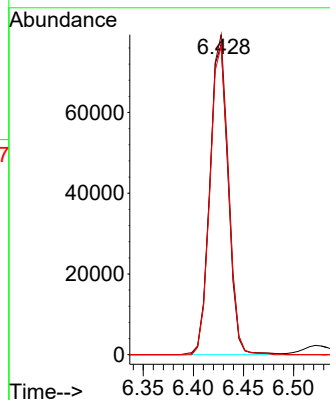
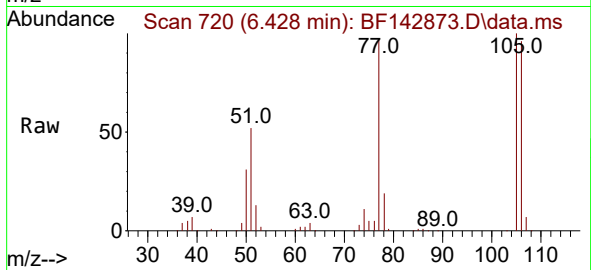
#9
Benzaldehyde
Concen: 29.333 ng
RT: 6.428 min Scan# 721
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

Instrument :
BNA_F
ClientSampleId :
MH-G/HMSD

Tgt Ion: 77 Resp: 9849
Ion Ratio Lower Upper
77 100
105 103.2 83.8 123.8
106 99.5 78.7 118.7

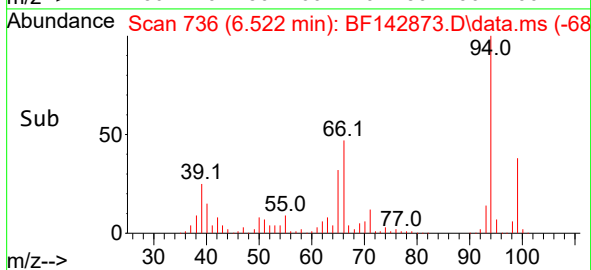
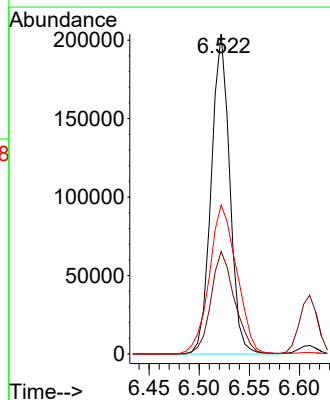
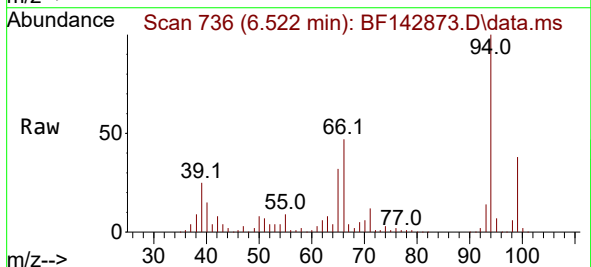
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#10
Phenol
Concen: 41.503 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

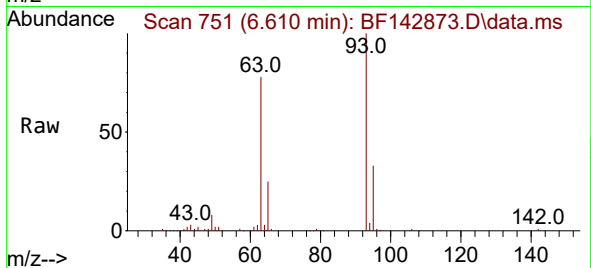
Tgt Ion: 94 Resp: 261112
Ion Ratio Lower Upper
94 100
65 32.0 11.3 51.3
66 46.5 24.9 64.9





#11
bis(2-Chloroethyl)ether
Concen: 42.820 ng
RT: 6.610 min Scan# 751
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

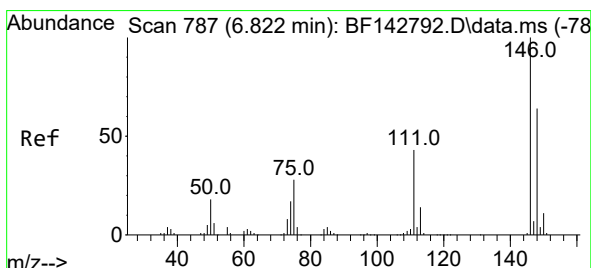
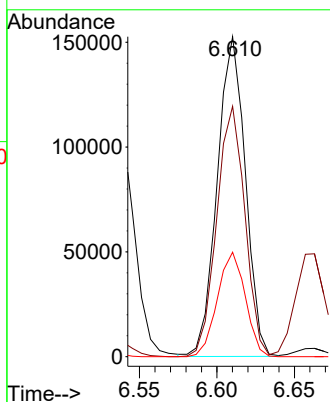
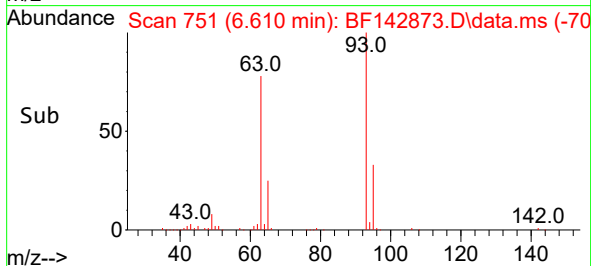
Instrument :
BNA_F
ClientSampleId :
MH-G/HMSD



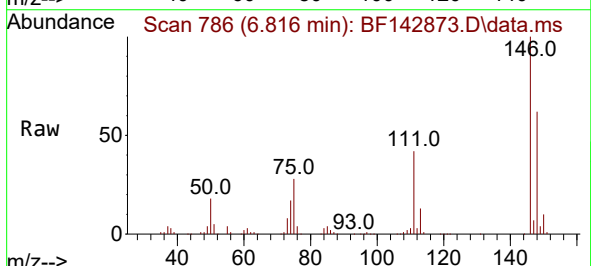
Tgt Ion: 93 Resp: 192549
Ion Ratio Lower Upper
93 100
63 78.2 60.3 100.3
95 32.7 12.5 52.5

Manual Integrations
APPROVED

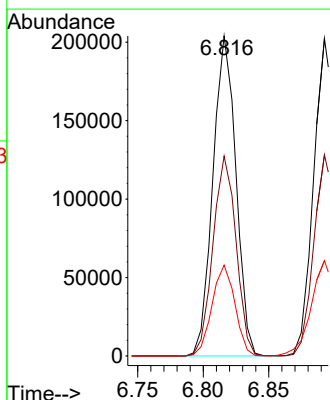
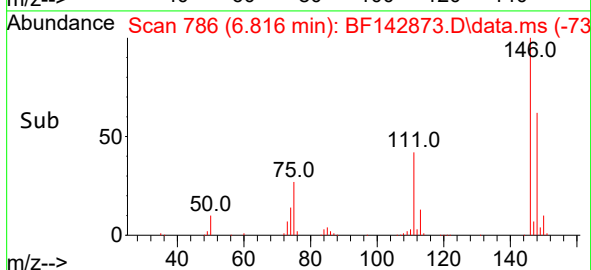
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025

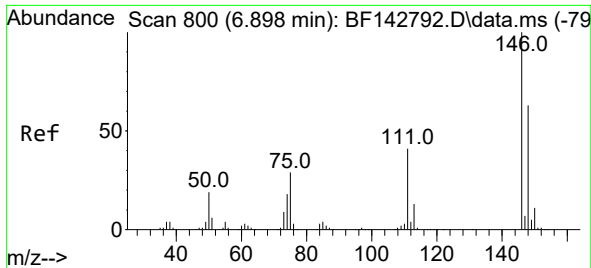


#12
1,3-Dichlorobenzene
Concen: 42.991 ng
RT: 6.816 min Scan# 786
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36



Tgt Ion:146 Resp: 248816
Ion Ratio Lower Upper
146 100
148 62.4 51.1 76.7
75 28.4 22.7 34.1





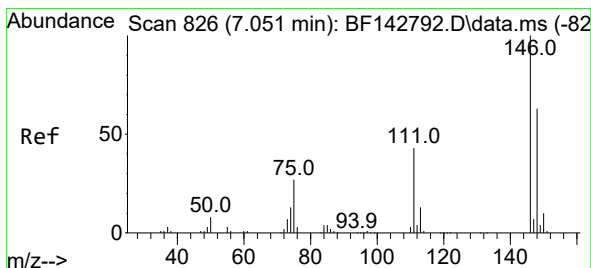
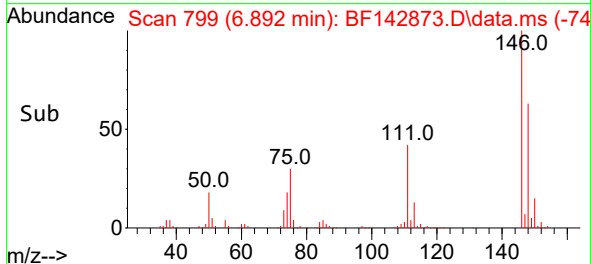
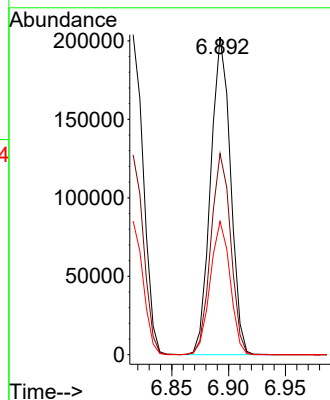
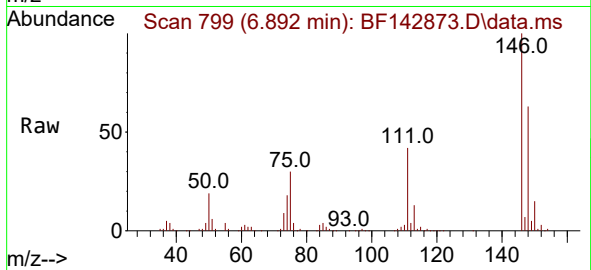
#13
1,4-Dichlorobenzene
Concen: 42.223 ng
RT: 6.892 min Scan# 799
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

Instrument :
BNA_F
ClientSampleId :
MH-G/HMSD

Tgt Ion:146 Resp: 246549
Ion Ratio Lower Upper
146 100
148 63.3 50.2 75.2
111 42.0 33.2 49.8

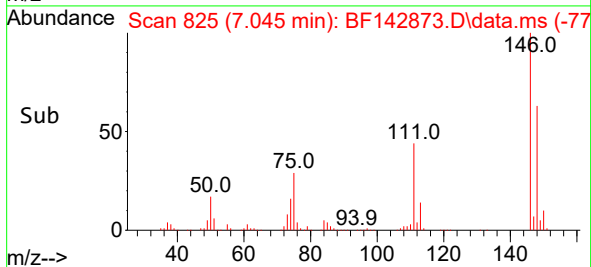
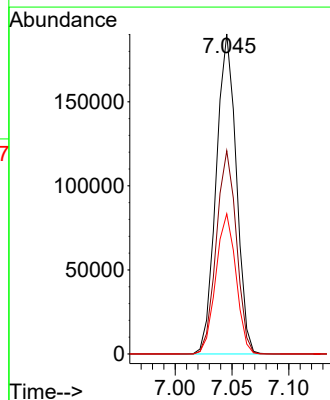
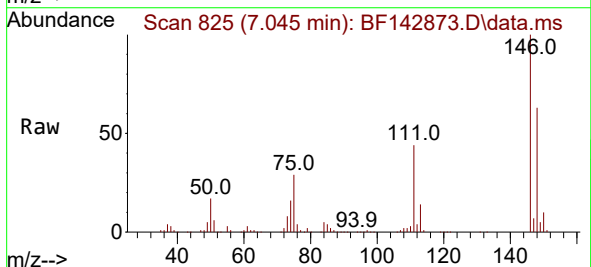
Manual Integrations
APPROVED

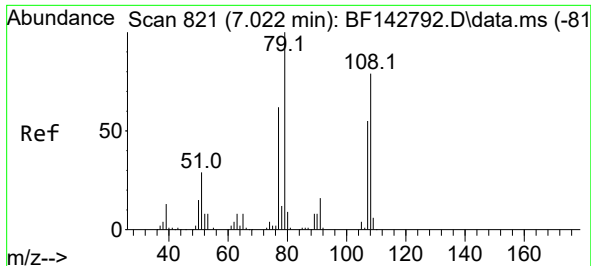
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#14
1,2-Dichlorobenzene
Concen: 42.359 ng
RT: 7.045 min Scan# 825
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

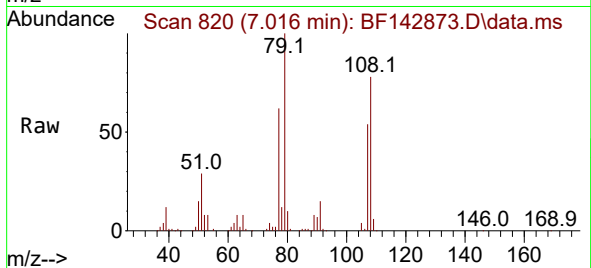
Tgt Ion:146 Resp: 234603
Ion Ratio Lower Upper
146 100
148 63.5 50.4 75.6
111 43.8 34.1 51.1





#15
Benzyl Alcohol
Concen: 43.924 ng
RT: 7.016 min Scan# 81
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

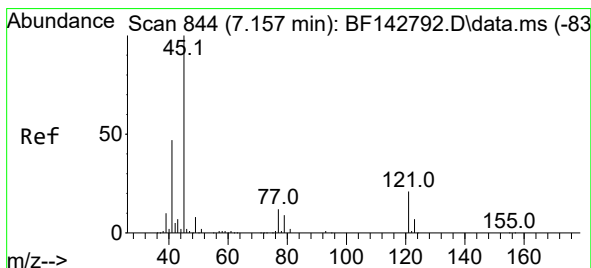
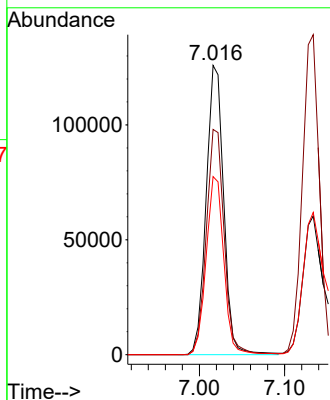
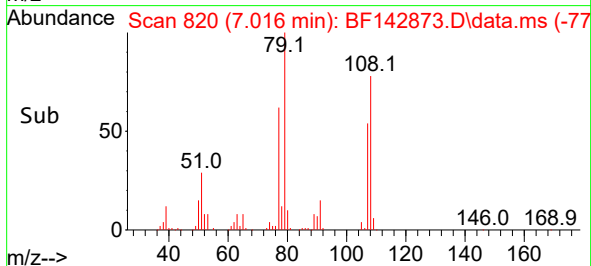
Instrument :
BNA_F
ClientSampleId :
MH-G/HMSD



Tgt Ion: 79 Resp: 179720
Ion Ratio Lower Upper
79 100
108 77.8 63.4 95.0
77 61.6 49.5 74.3

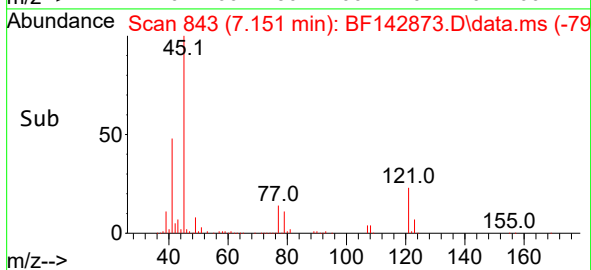
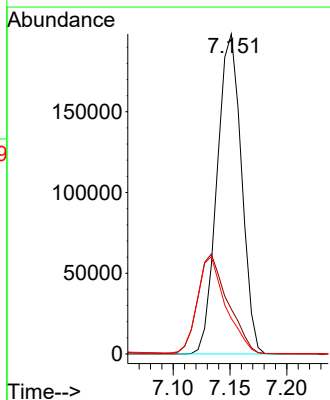
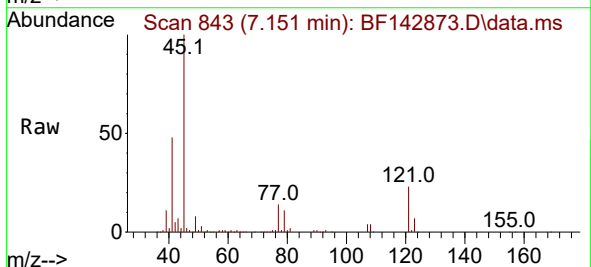
Manual Integrations
APPROVED

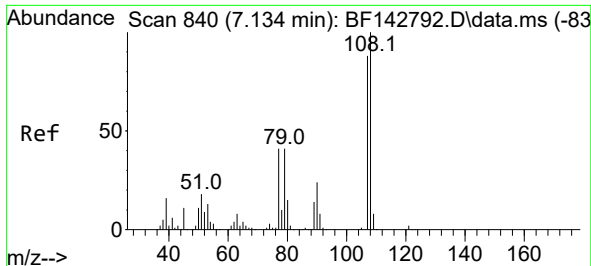
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.950 ng
RT: 7.151 min Scan# 843
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

Tgt Ion: 45 Resp: 295841
Ion Ratio Lower Upper
45 100
77 14.0 0.0 32.8
79 11.1 0.0 29.8





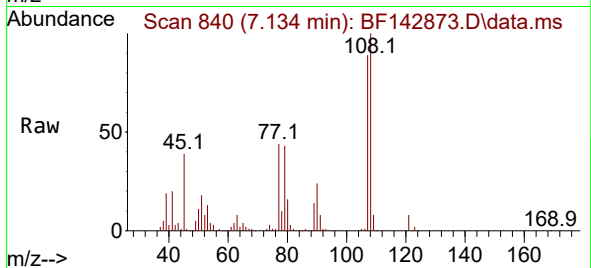
#17
2-Methylphenol
Concen: 43.561 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

Instrument :

BNA_F

ClientSampleId :

MH-G/HMSD

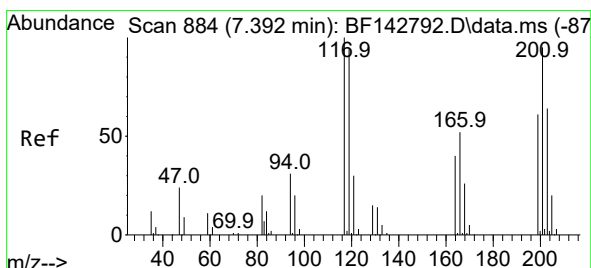
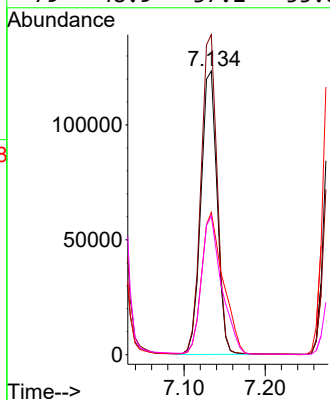
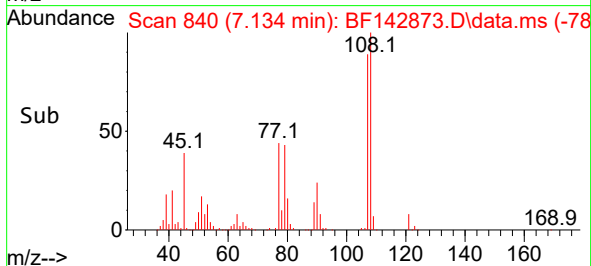


Tgt Ion:107 Resp: 170832
Ion Ratio Lower Upper
107 100
108 112.8 90.9 136.3
77 50.1 37.3 55.9
79 48.9 37.2 55.8

Manual Integrations

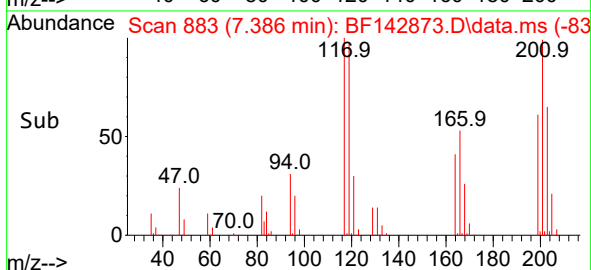
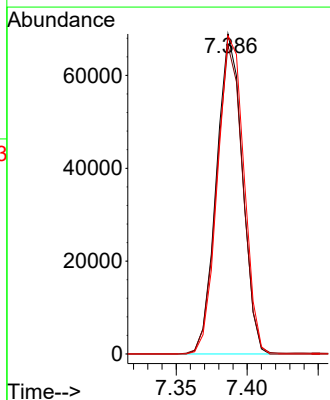
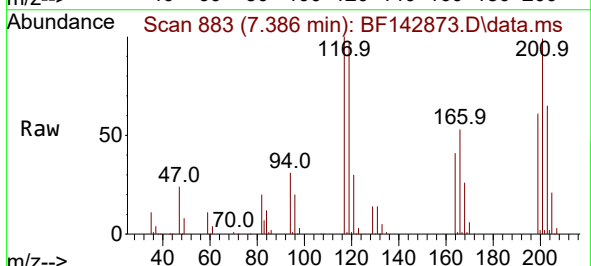
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Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#18
Hexachloroethane
Concen: 42.726 ng
RT: 7.386 min Scan# 883
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

Tgt Ion:117 Resp: 87263
Ion Ratio Lower Upper
117 100
119 96.5 75.4 113.0
201 99.4 75.9 113.9





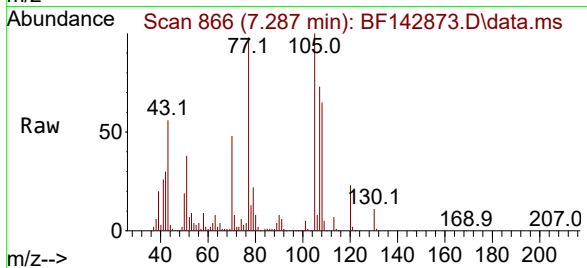
#19
n-Nitroso-di-n-propylamine
Concen: 43.968 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

Instrument :

BNA_F

ClientSampleId :

MH-G/HMSD



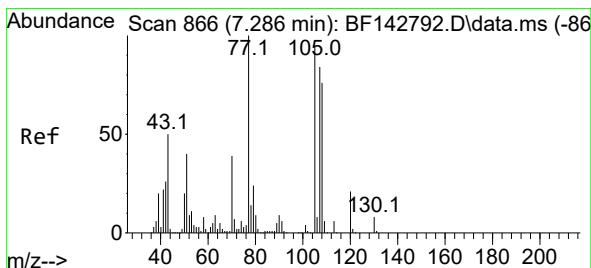
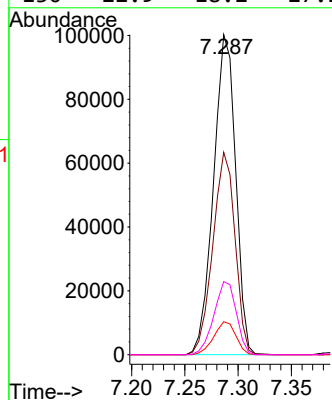
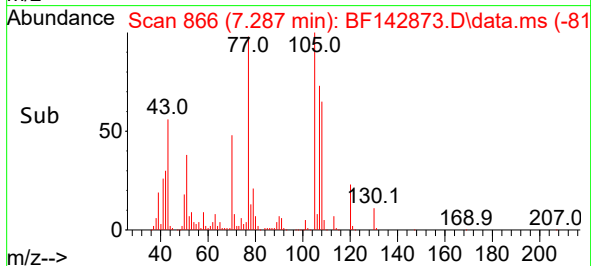
Tgt Ion: 70 Resp: 144735
Ion Ratio Lower Upper
70 100
42 63.3 52.1 78.1
101 10.3 8.2 12.2
130 22.9 18.2 27.2

Manual Integrations

APPROVED

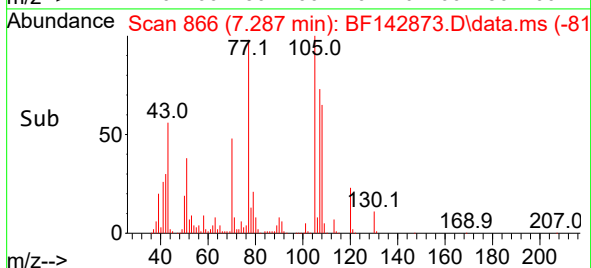
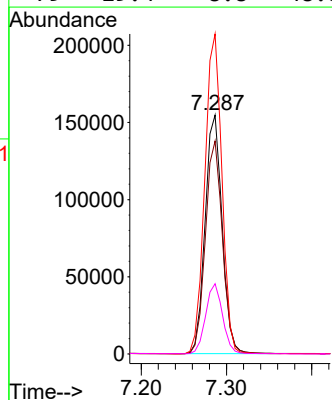
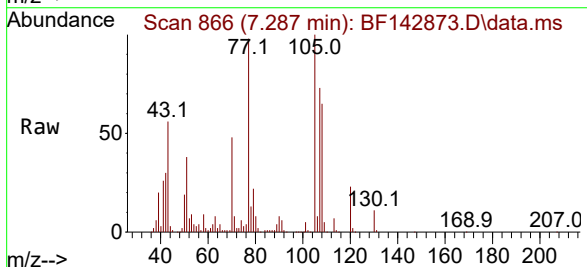
Reviewed By :Rahul Chavli 06/27/2025

Supervised By :Jagrut Upadhyay 06/27/2025



#20
3+4-Methylphenols
Concen: 43.909 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

Tgt Ion:107 Resp: 214697
Ion Ratio Lower Upper
107 100
108 89.2 70.0 110.0
77 134.0 98.5 138.5
79 29.4 8.8 48.8





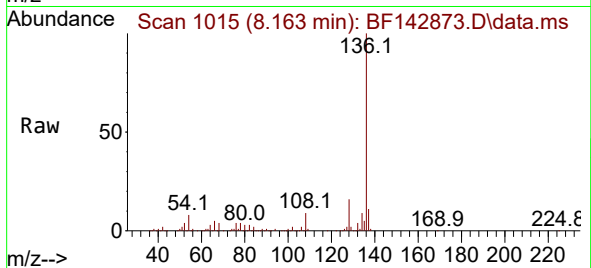
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

Instrument :

BNA_F

ClientSampleId :

MH-G/HMSD



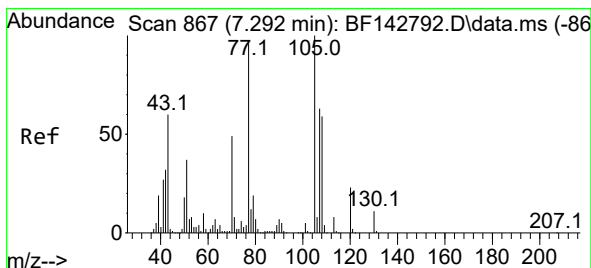
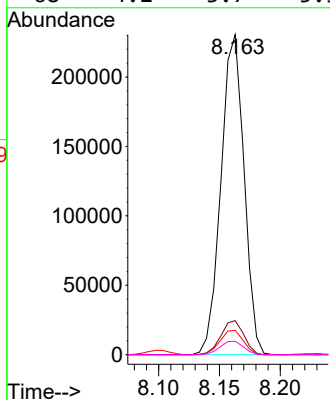
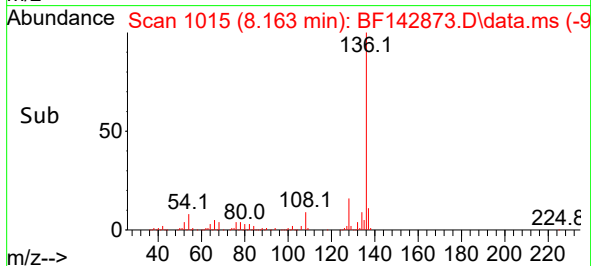
Tgt Ion:136 Resp: 30397
Ion Ratio Lower Upper
136 100
137 10.7 8.4 12.6
54 7.6 6.3 9.5
68 4.2 3.7 5.5

Manual Integrations

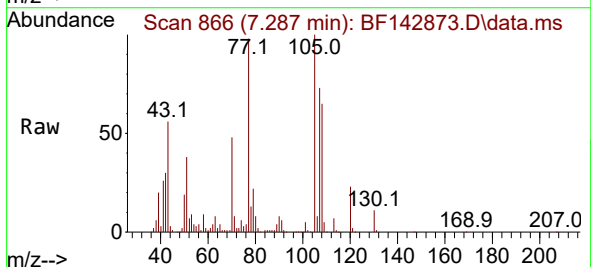
APPROVED

Reviewed By :Rahul Chavli 06/27/2025

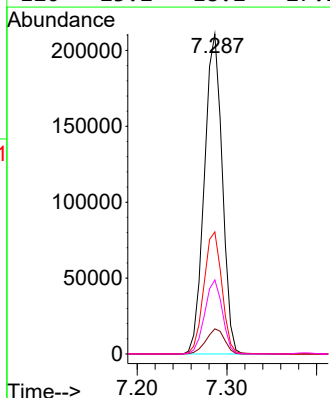
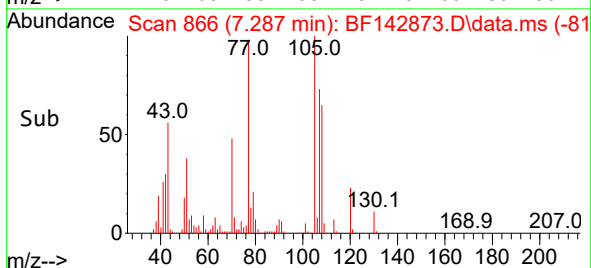
Supervised By :Jagrut Upadhyay 06/27/2025

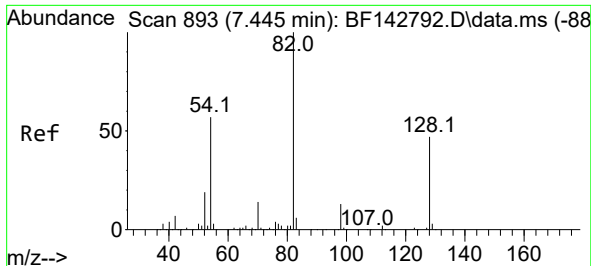


#22
Acetophenone
Concen: 43.548 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36



Tgt Ion:105 Resp: 291908
Ion Ratio Lower Upper
105 100
71 7.8 6.5 9.7
51 38.1 29.8 44.8
120 23.2 18.2 27.2





#23

Nitrobenzene-d5

Concen: 46.241 ng

RT: 7.439 min Scan# 892

Delta R.T. -0.006 min

Lab File: BF142873.D

Acq: 26 Jun 2025 17:36

Instrument :

BNA_F

ClientSampleId :

MH-G/HMSD

Tgt Ion: 82 Resp: 256260

Ion Ratio Lower Upper

82 100

128 48.4 37.7 56.5

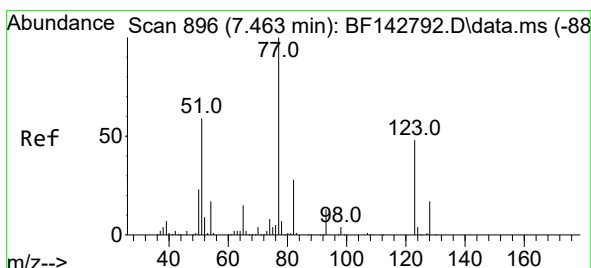
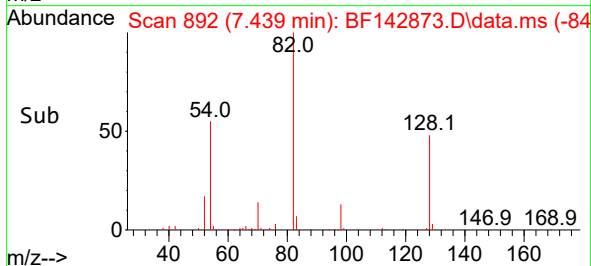
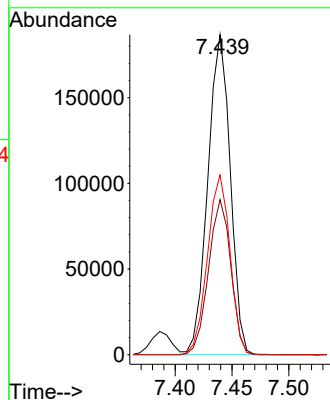
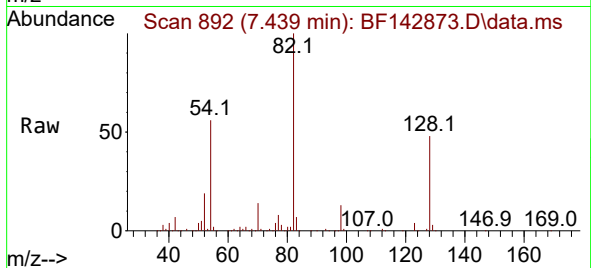
54 56.2 45.7 68.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/27/2025

Supervised By :Jagrut Upadhyay 06/27/2025



#24

Nitrobenzene

Concen: 43.193 ng

RT: 7.457 min Scan# 895

Delta R.T. -0.006 min

Lab File: BF142873.D

Acq: 26 Jun 2025 17:36

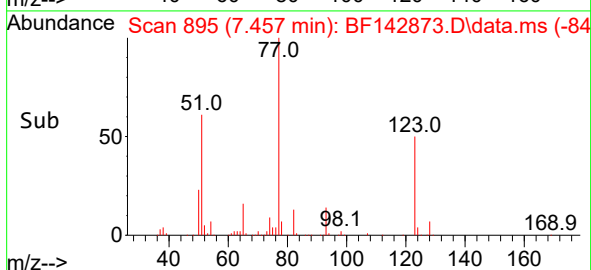
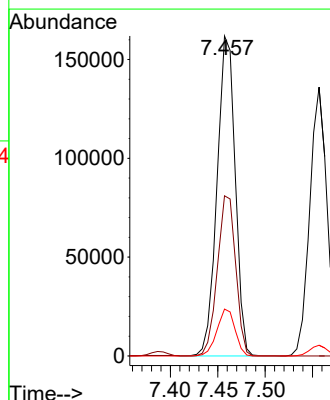
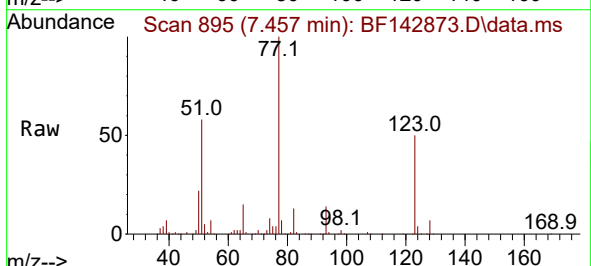
Tgt Ion: 77 Resp: 216652

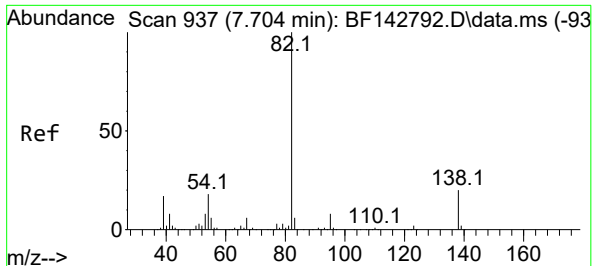
Ion Ratio Lower Upper

77 100

123 50.0 39.2 58.8

65 14.6 11.6 17.4





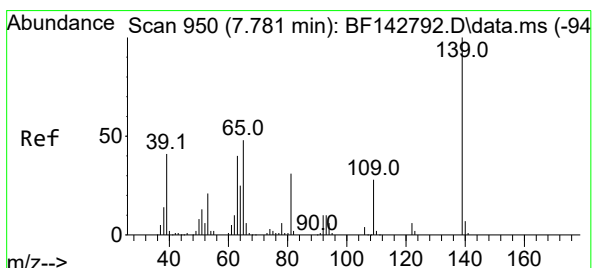
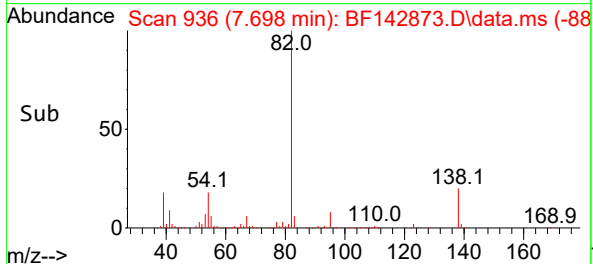
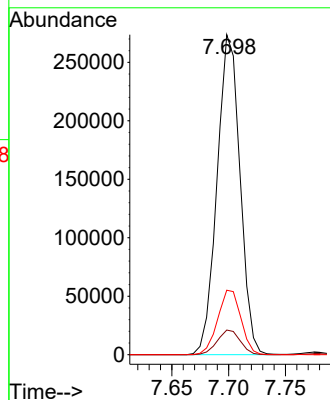
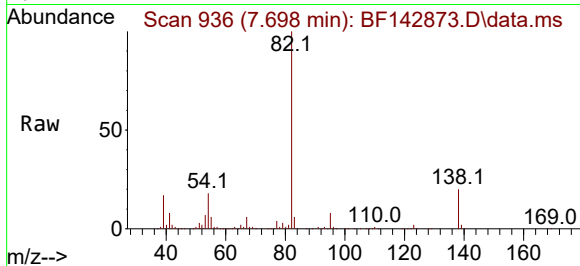
#25
Isophorone
Concen: 43.330 ng
RT: 7.698 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

Instrument :
BNA_F
ClientSampleId :
MH-G/HMSD

Tgt Ion: 82 Resp: 38519
Ion Ratio Lower Upper
82 100
95 7.7 6.2 9.2
138 20.1 16.2 24.4

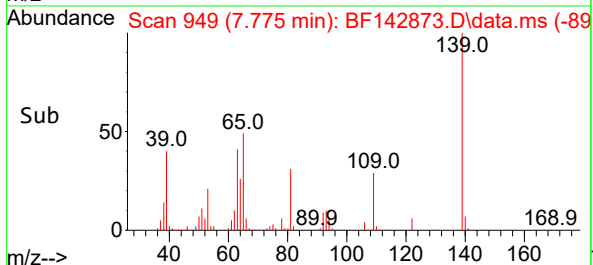
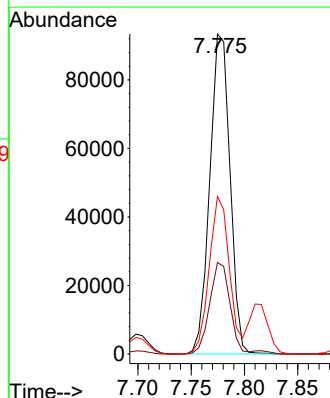
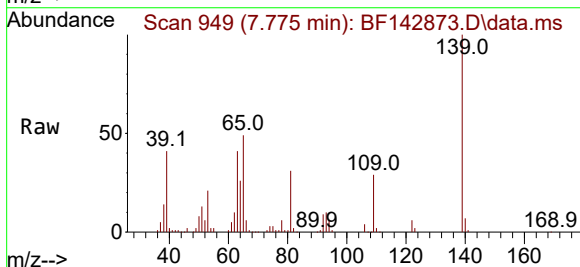
Manual Integrations
APPROVED

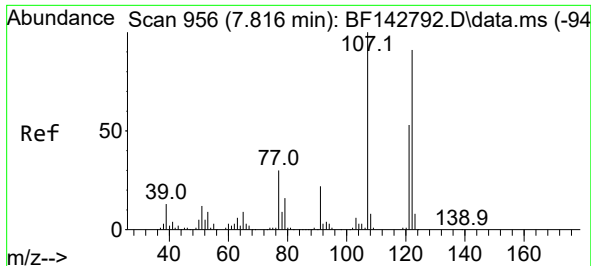
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#26
2-Nitrophenol
Concen: 45.104 ng
RT: 7.775 min Scan# 949
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

Tgt Ion:139 Resp: 123240
Ion Ratio Lower Upper
139 100
109 28.6 22.7 34.1
65 49.3 38.6 58.0





#27

2,4-Dimethylphenol

Concen: 43.429 ng

RT: 7.816 min Scan# 91

Delta R.T. 0.000 min

Lab File: BF142873.D

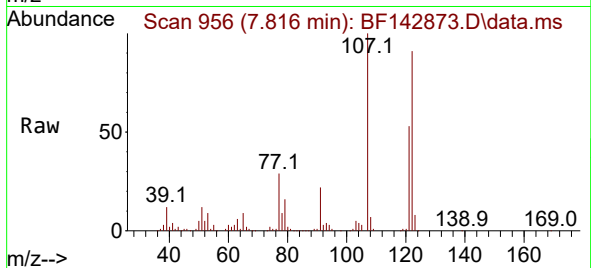
Acq: 26 Jun 2025 17:36

Instrument :

BNA_F

ClientSampleId :

MH-G/HMSD



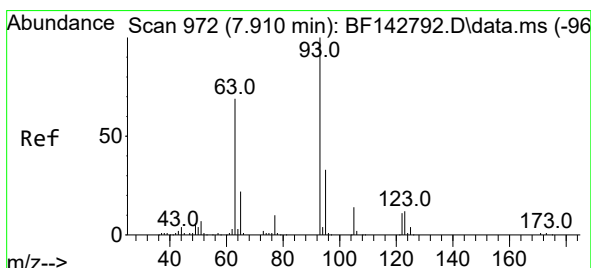
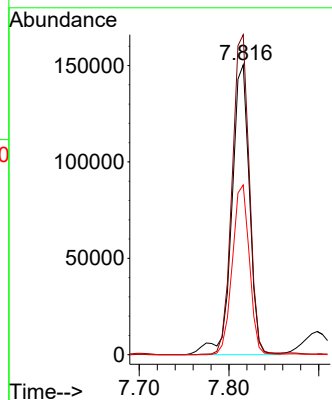
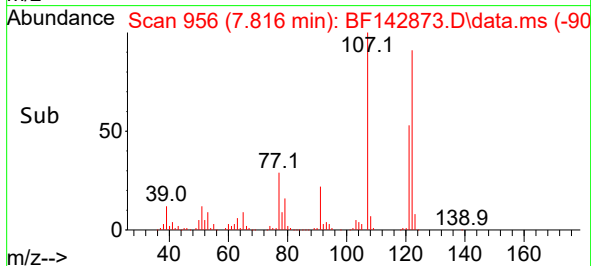
Tgt Ion:	122	Resp:	20554
Ion Ratio	Lower	Upper	
122	100		
107	110.4	88.0	132.0
121	58.6	46.3	69.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/27/2025

Supervised By :Jagrut Upadhyay 06/27/2025



#28

bis(2-Chloroethoxy)methane

Concen: 43.486 ng

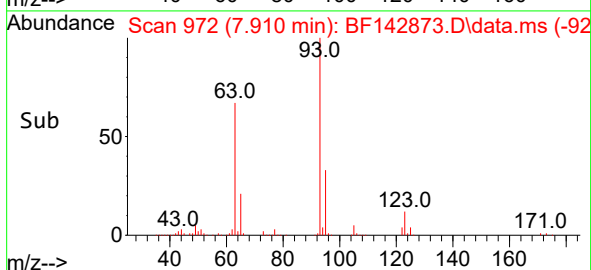
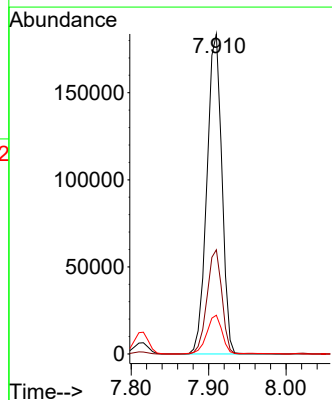
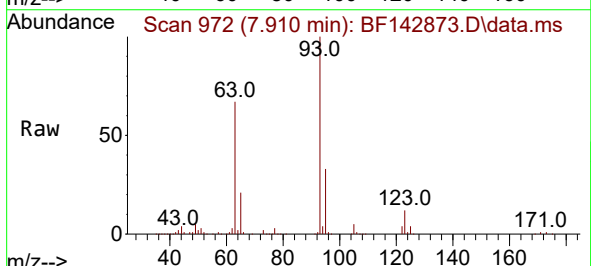
RT: 7.910 min Scan# 972

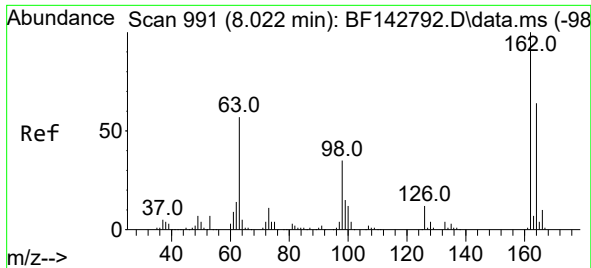
Delta R.T. 0.000 min

Lab File: BF142873.D

Acq: 26 Jun 2025 17:36

Tgt Ion:	93	Resp:	245774
Ion Ratio	Lower	Upper	
93	100		
95	32.5	26.2	39.2
123	12.1	9.9	14.9





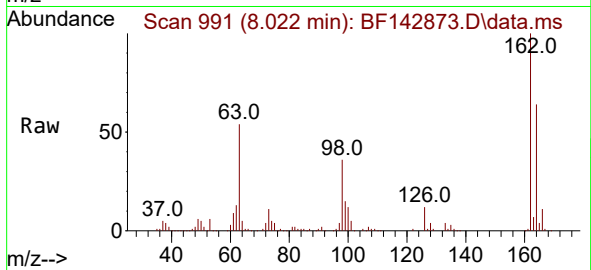
#29
2,4-Dichlorophenol
Concen: 43.741 ng
RT: 8.022 min Scan# 991
Delta R.T. 0.000 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

Instrument :

BNA_F

ClientSampleId :

MH-G/HMSD

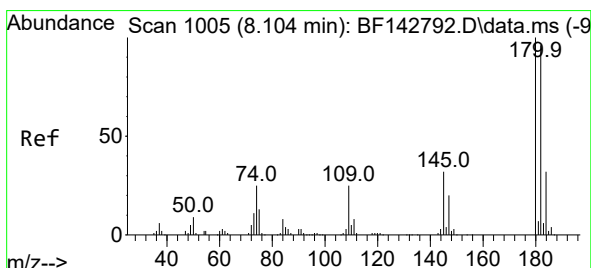
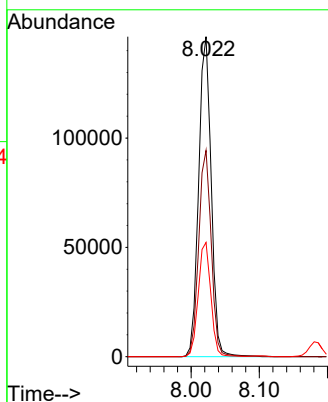
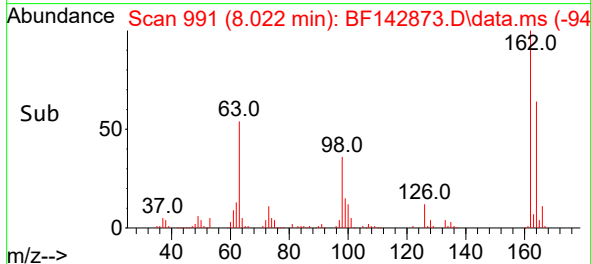


Tgt Ion:162 Resp: 187709
Ion Ratio Lower Upper
162 100
164 64.4 44.0 84.0
98 35.7 15.4 55.4

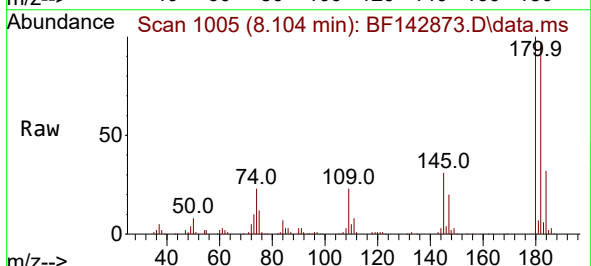
Manual Integrations

APPROVED

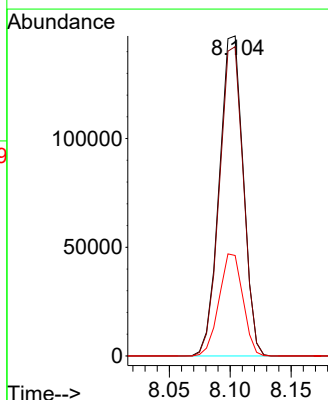
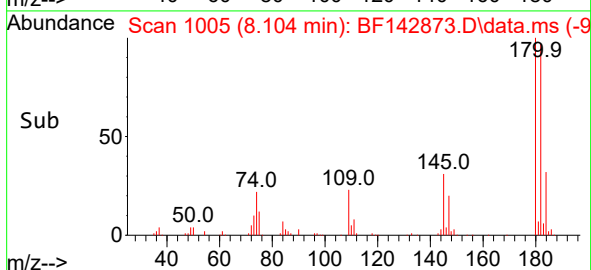
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025

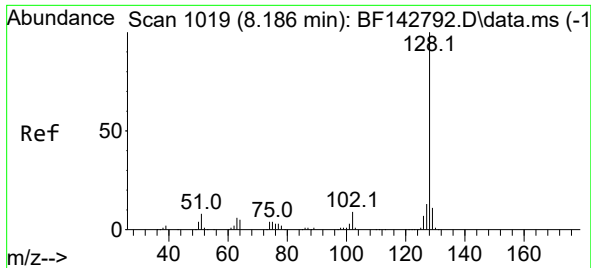


#30
1,2,4-Trichlorobenzene
Concen: 42.689 ng
RT: 8.104 min Scan# 1005
Delta R.T. 0.000 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36



Tgt Ion:180 Resp: 201446
Ion Ratio Lower Upper
180 100
182 96.7 76.4 114.6
145 31.4 25.8 38.8





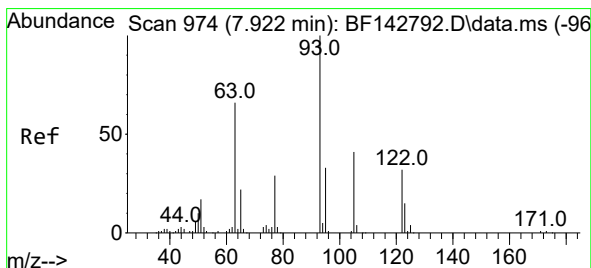
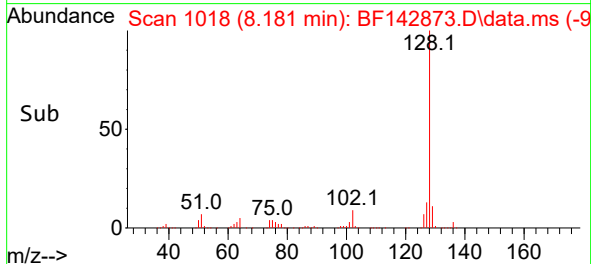
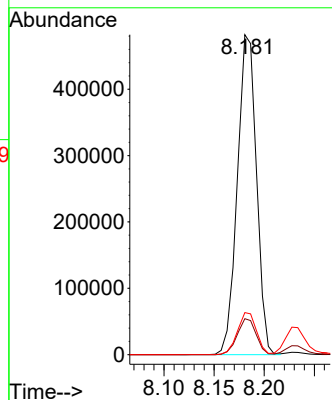
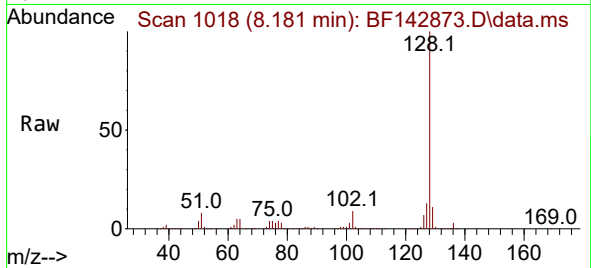
#31
Naphthalene
Concen: 43.117 ng
RT: 8.181 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

Instrument :
BNA_F
ClientSampleId :
MH-G/HMSD

Tgt Ion:128 Resp: 64154
Ion Ratio Lower Upper
128 100
129 11.2 8.9 13.3
127 13.2 10.4 15.6

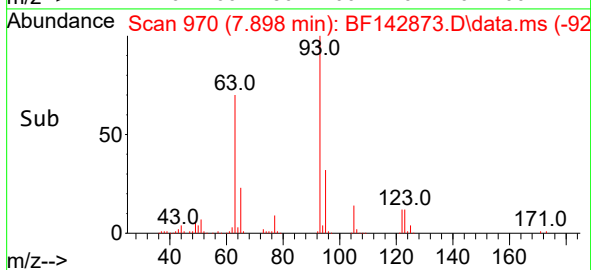
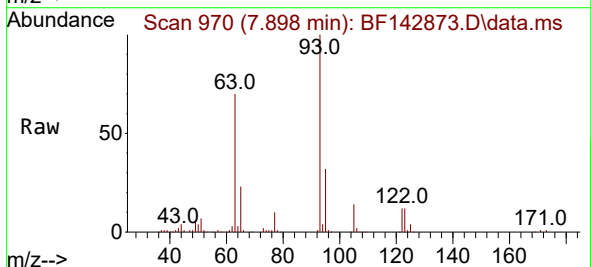
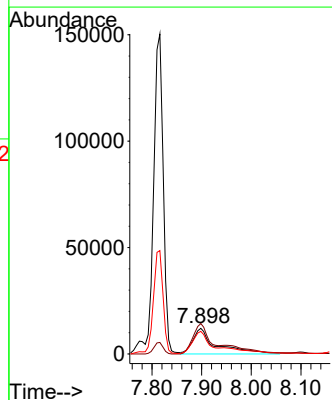
Manual Integrations
APPROVED

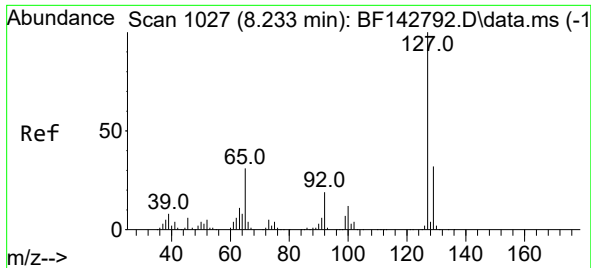
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#32
Benzoic acid
Concen: 16.661 ng m
RT: 7.898 min Scan# 970
Delta R.T. -0.024 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

Tgt Ion:122 Resp: 40191
Ion Ratio Lower Upper
122 100
105 118.2 104.7 144.7
77 88.2 70.2 110.2





#33
4-Chloroaniline
Concen: 10.778 ng
RT: 8.228 min Scan# 1026
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

Instrument :

BNA_F

ClientSampleId :

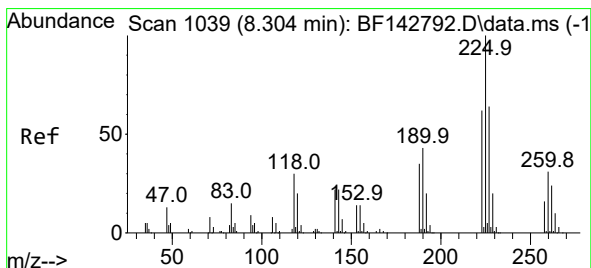
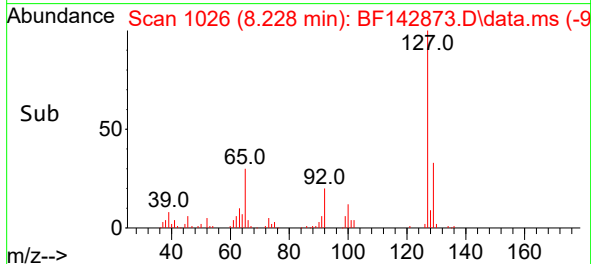
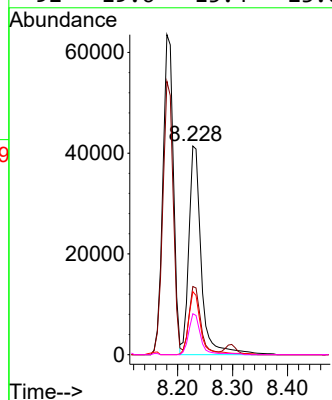
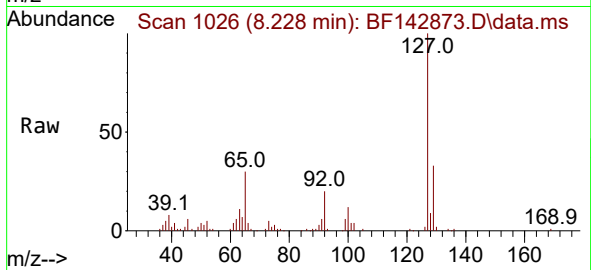
MH-G/HMSD

Tgt Ion:	127	Resp:	65208
Ion	Ratio	Lower	Upper
127	100		
129	32.6	25.9	38.9
65	30.2	24.6	36.8
92	19.6	15.4	23.0

Manual Integrations

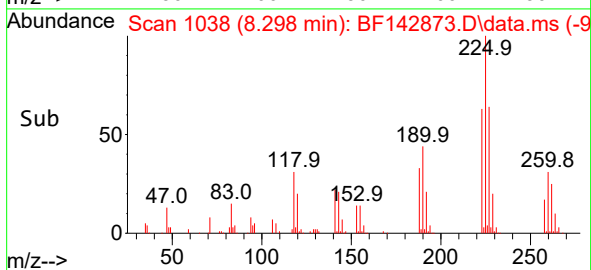
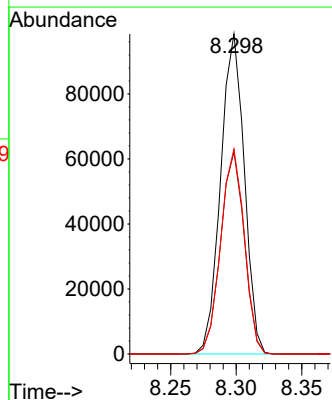
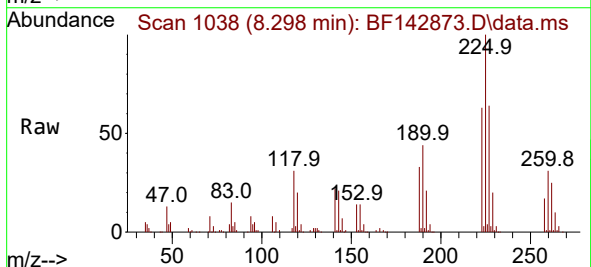
APPROVED

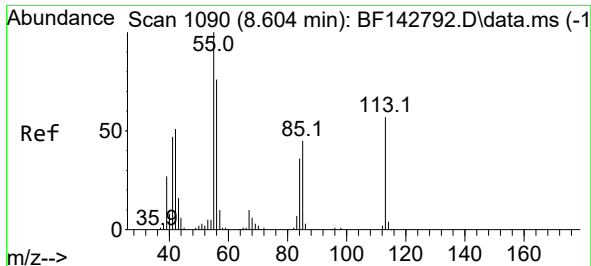
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#34
Hexachlorobutadiene
Concen: 42.780 ng
RT: 8.298 min Scan# 1038
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

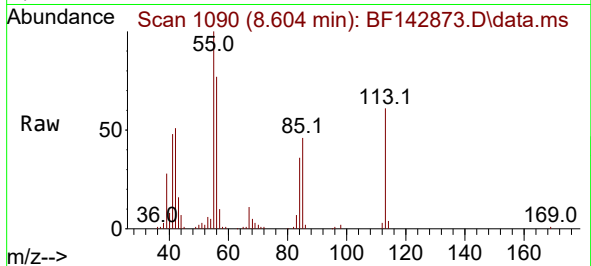
Tgt Ion:	225	Resp:	123483
Ion	Ratio	Lower	Upper
225	100		
223	63.1	49.9	74.9
227	64.0	51.4	77.0





#35
Caprolactam
Concen: 48.511 ng m
RT: 8.604 min Scan# 1109
Delta R.T. 0.000 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

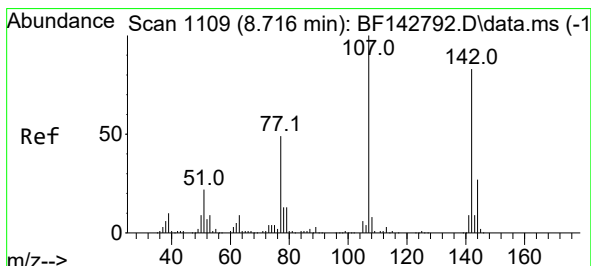
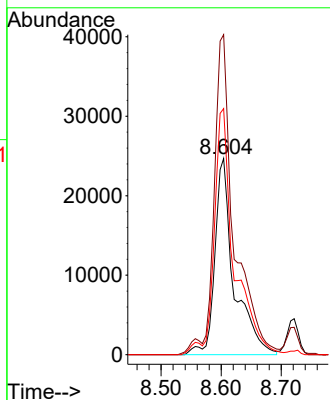
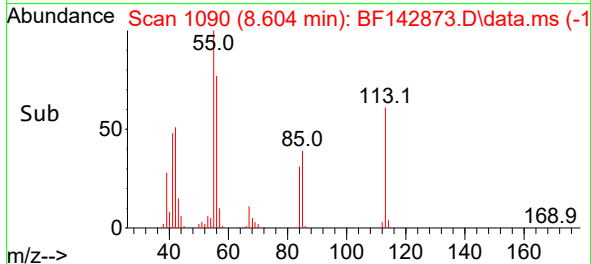
Instrument :
BNA_F
ClientSampleId :
MH-G/HMSD



Tgt Ion:113 Resp: 54934
Ion Ratio Lower Upper
113 100
55 163.1 154.4 194.4
56 125.4 112.1 152.1

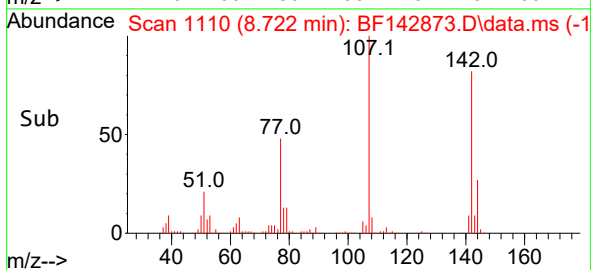
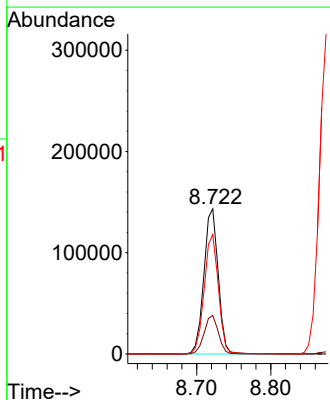
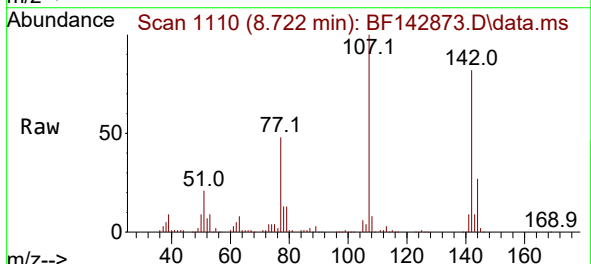
Manual Integrations
APPROVED

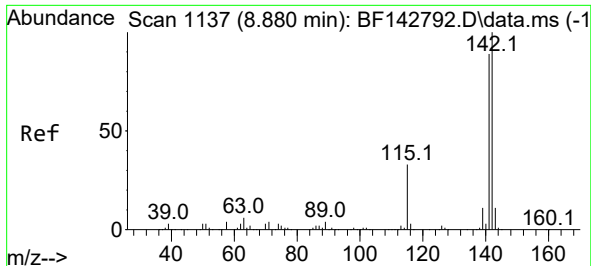
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#36
4-Chloro-3-methylphenol
Concen: 45.242 ng
RT: 8.722 min Scan# 1110
Delta R.T. 0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

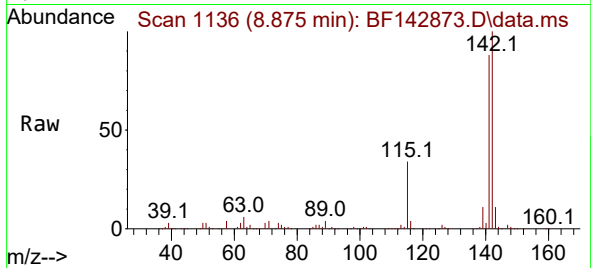
Tgt Ion:107 Resp: 192957
Ion Ratio Lower Upper
107 100
144 26.6 21.3 31.9
142 82.3 66.6 100.0





#37
2-Methylnaphthalene
Concen: 43.374 ng
RT: 8.875 min Scan# 1136
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

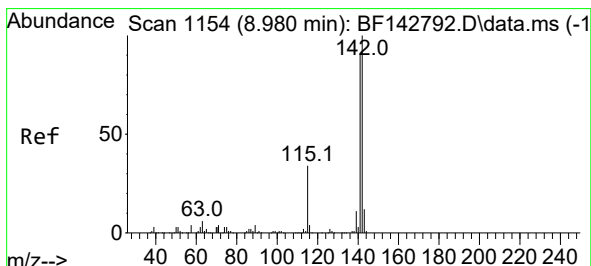
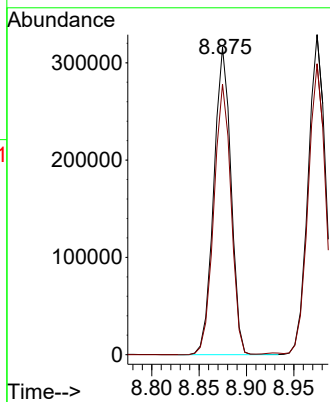
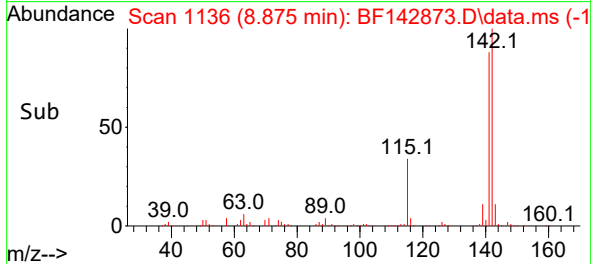
Instrument :
BNA_F
ClientSampleId :
MH-G/HMSD



Tgt Ion:142 Resp: 400102
Ion Ratio Lower Upper
142 100
141 88.0 70.9 106.3

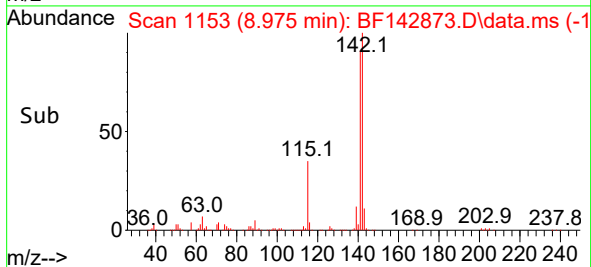
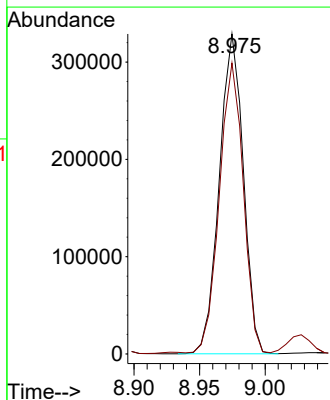
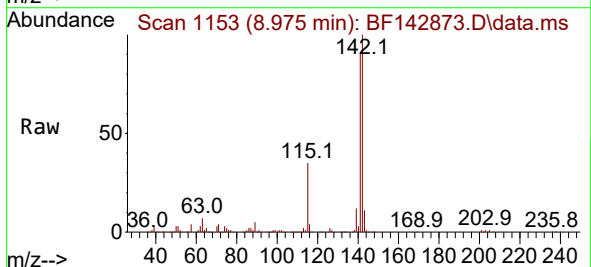
Manual Integrations
APPROVED

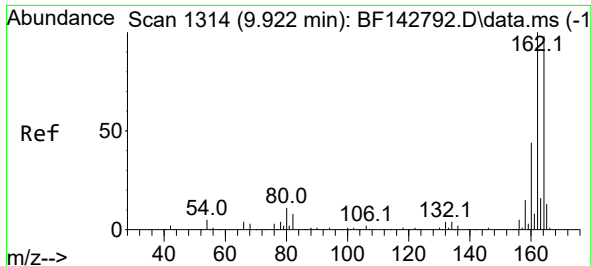
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#38
1-Methylnaphthalene
Concen: 43.728 ng
RT: 8.975 min Scan# 1153
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

Tgt Ion:142 Resp: 417561
Ion Ratio Lower Upper
142 100
141 90.9 73.0 109.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.922 min Scan# 1164

Delta R.T. 0.000 min

Lab File: BF142873.D

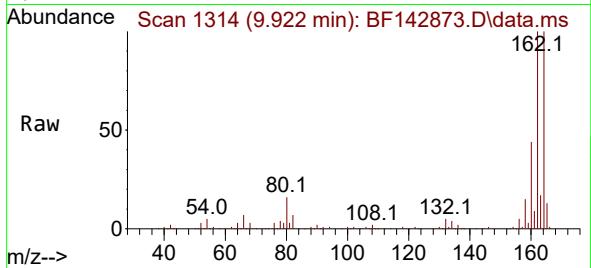
Acq: 26 Jun 2025 17:36

Instrument :

BNA_F

ClientSampleId :

MH-G/HMSD



Tgt Ion:164 Resp: 162680

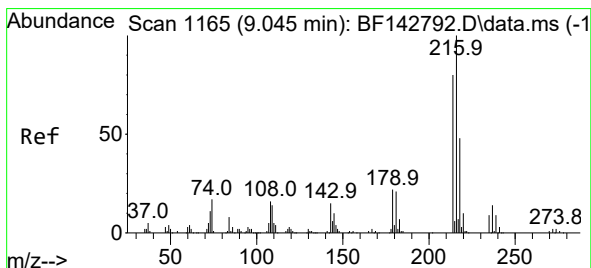
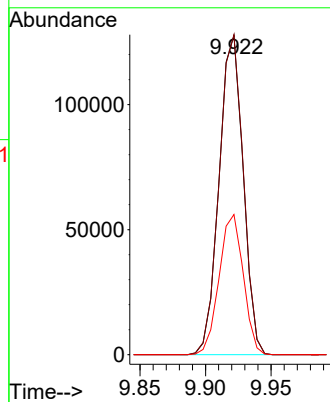
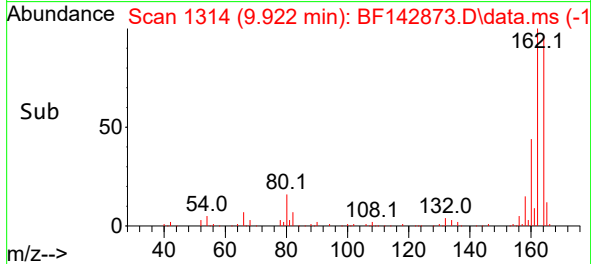
Ion	Ratio	Lower	Upper
164	100		
162	100.3	81.8	122.8
160	43.9	36.0	54.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/27/2025

Supervised By :Jagrut Upadhyay 06/27/2025



#40

1,2,4,5-Tetrachlorobenzene

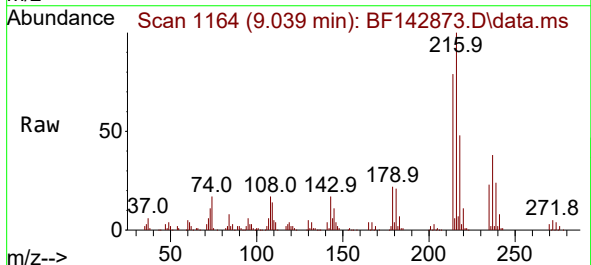
Concen: 42.465 ng

RT: 9.039 min Scan# 1164

Delta R.T. -0.006 min

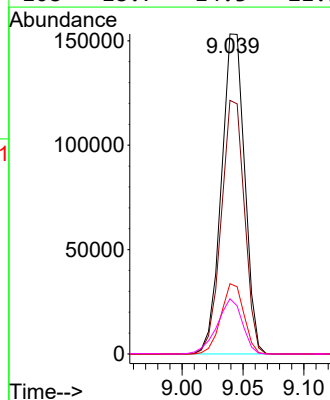
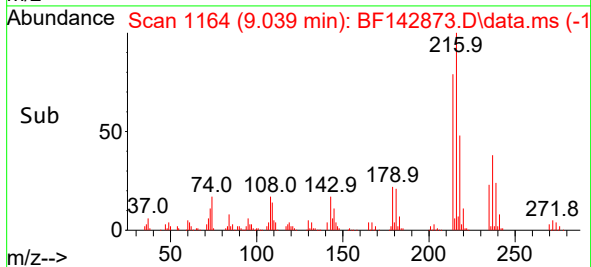
Lab File: BF142873.D

Acq: 26 Jun 2025 17:36



Tgt Ion:216 Resp: 203848

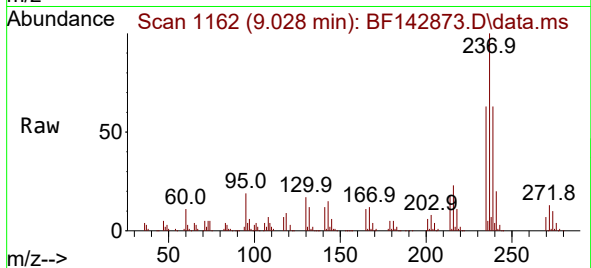
Ion	Ratio	Lower	Upper
216	100		
214	78.7	63.7	95.5
179	21.6	17.6	26.4
108	18.7	14.3	21.5





#41
Hexachlorocyclopentadiene
Concen: 77.801 ng
RT: 9.028 min Scan# 1162
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

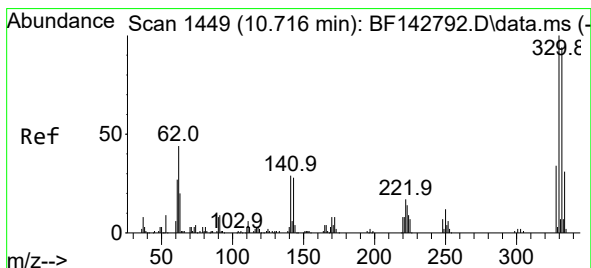
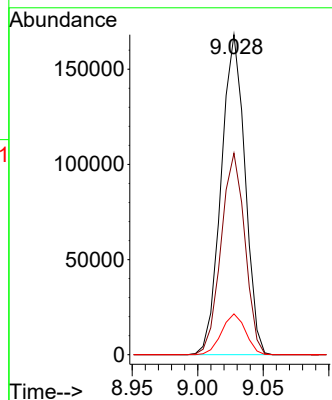
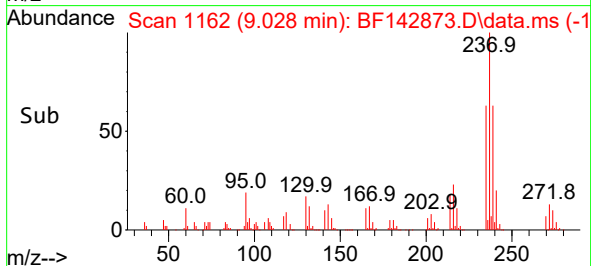
Instrument :
BNA_F
ClientSampleId :
MH-G/HMSD



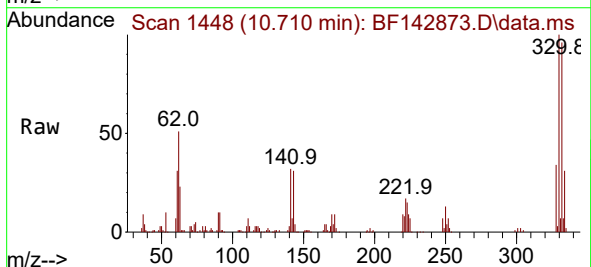
Tgt Ion:237 Resp: 21193
Ion Ratio Lower Upper
237 100
235 63.0 43.4 83.4
272 12.8 0.0 32.7

Manual Integrations
APPROVED

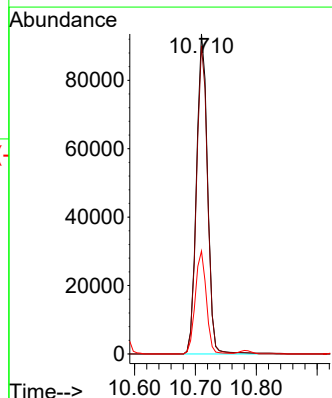
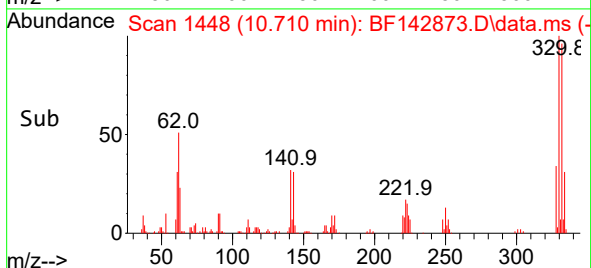
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025

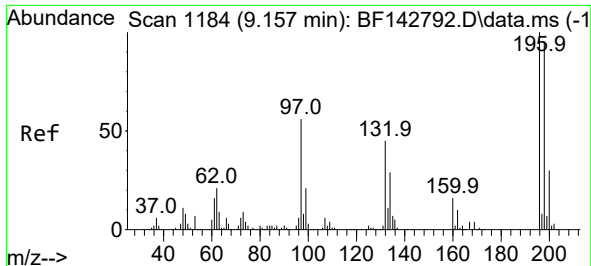


#42
2,4,6-Tribromophenol
Concen: 70.731 ng
RT: 10.710 min Scan# 1448
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36



Tgt Ion:330 Resp: 118414
Ion Ratio Lower Upper
330 100
332 95.6 75.0 112.6
141 32.0 25.3 37.9





#43

2,4,6-Trichlorophenol

Concen: 41.378 ng

RT: 9.157 min Scan# 1184

Delta R.T. 0.000 min

Lab File: BF142873.D

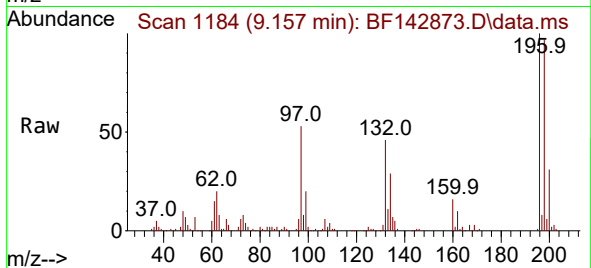
Acq: 26 Jun 2025 17:36

Instrument :

BNA_F

ClientSampleId :

MH-G/HMSD



Tgt Ion:196 Resp: 12943

Ion Ratio Lower Upper

196 100

198 97.4 76.2 114.2

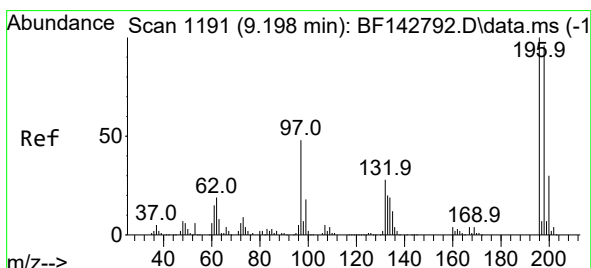
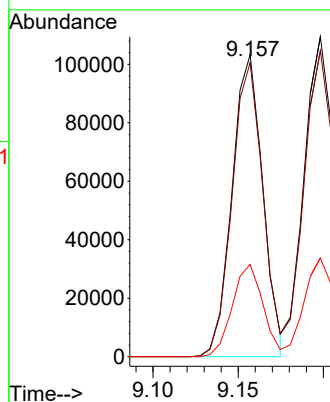
200 30.6 24.1 36.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/27/2025

Supervised By :Jagrut Upadhyay 06/27/2025



#44

2,4,5-Trichlorophenol

Concen: 42.476 ng

RT: 9.198 min Scan# 1191

Delta R.T. 0.000 min

Lab File: BF142873.D

Acq: 26 Jun 2025 17:36

Tgt Ion:196 Resp: 139865

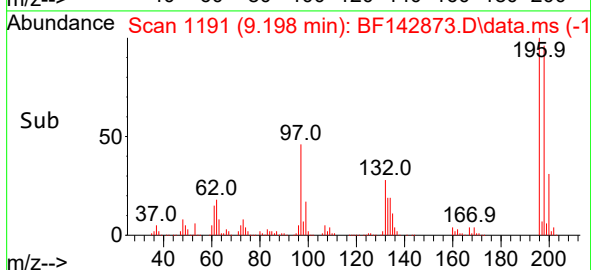
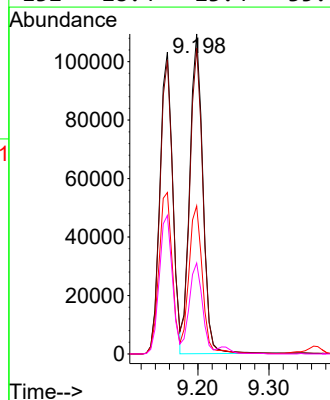
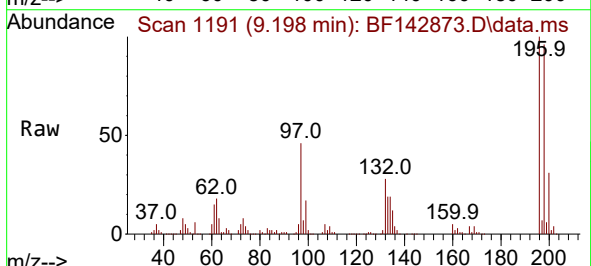
Ion Ratio Lower Upper

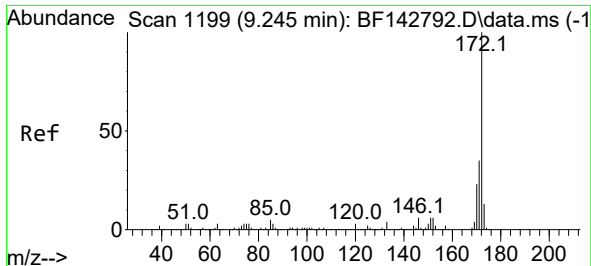
196 100

198 95.6 76.6 115.0

97 46.3 38.2 57.2

132 28.4 23.4 35.0





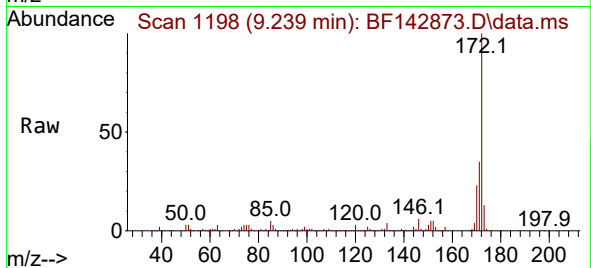
#45
2-Fluorobiphenyl
Concen: 46.078 ng
RT: 9.239 min Scan# 1198
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

Instrument :

BNA_F

ClientSampleId :

MH-G/HMSD

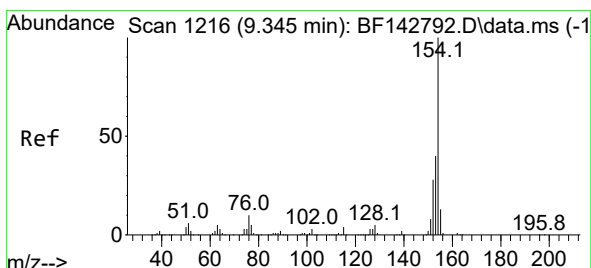
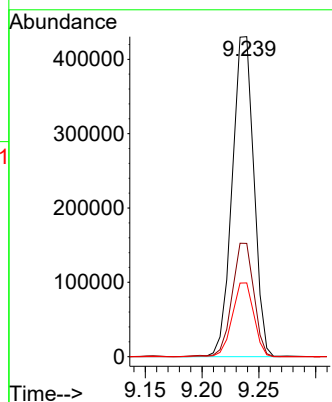
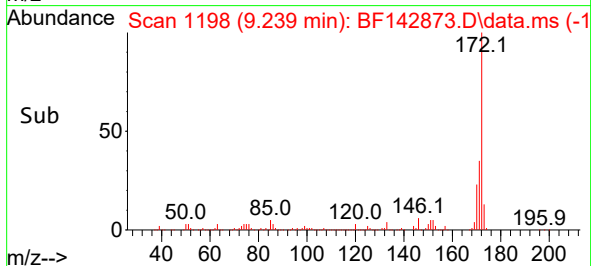


Tgt Ion:172 Resp: 570630
Ion Ratio Lower Upper
172 100
171 35.4 28.2 42.4
170 23.1 18.5 27.7

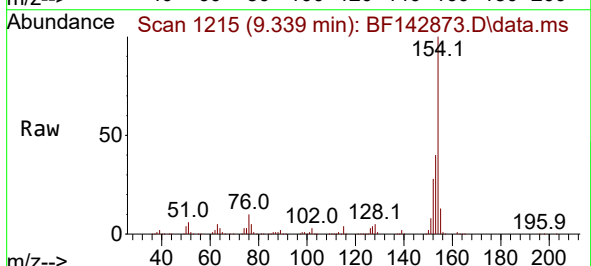
Manual Integrations

APPROVED

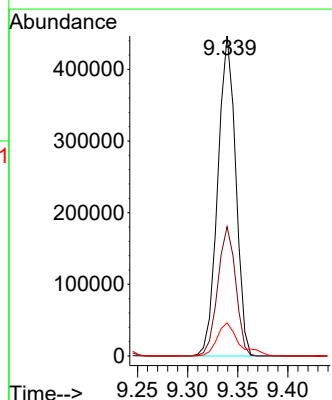
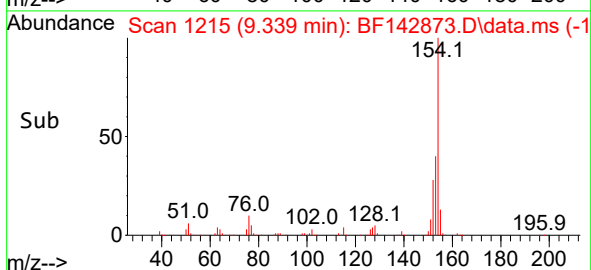
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025

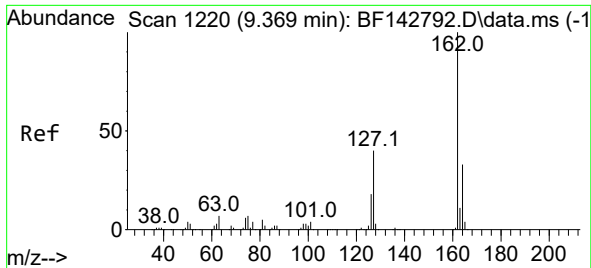


#46
1,1'-Biphenyl
Concen: 43.120 ng
RT: 9.339 min Scan# 1215
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36



Tgt Ion:154 Resp: 554149
Ion Ratio Lower Upper
154 100
153 40.4 20.3 60.3
76 10.3 0.0 30.3





#47
2-Chloronaphthalene
Concen: 42.326 ng
RT: 9.363 min Scan# 1219
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

Instrument :

BNA_F

ClientSampleId :

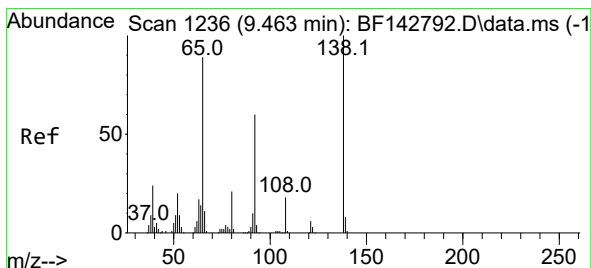
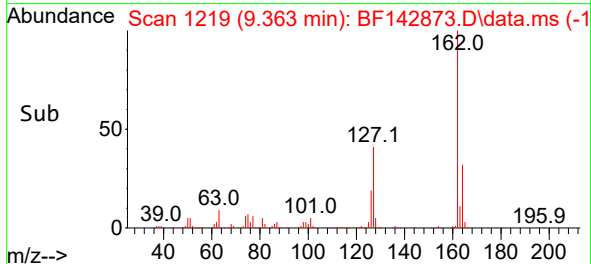
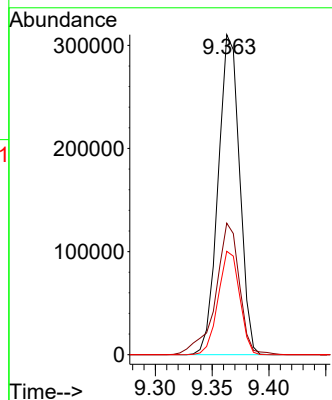
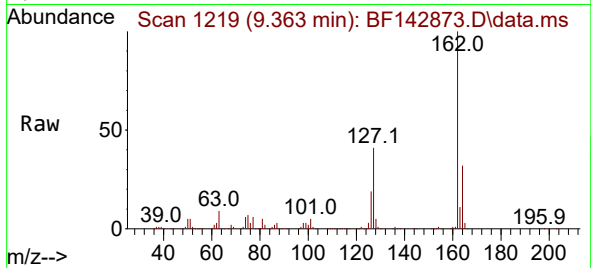
MH-G/HMSD

Tgt Ion:162 Resp: 40819
Ion Ratio Lower Upper
162 100
127 41.1 32.2 48.2
164 32.3 26.1 39.1

Manual Integrations

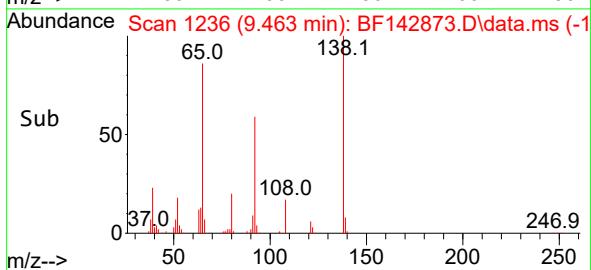
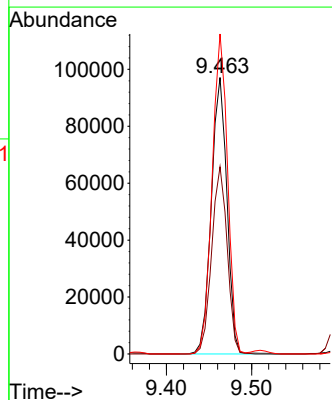
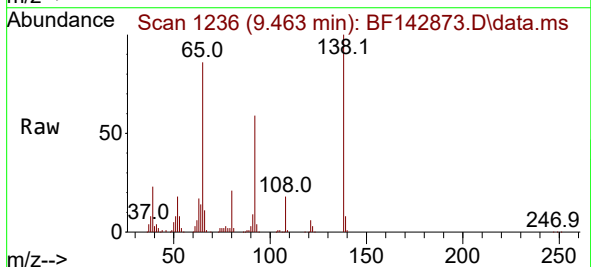
APPROVED

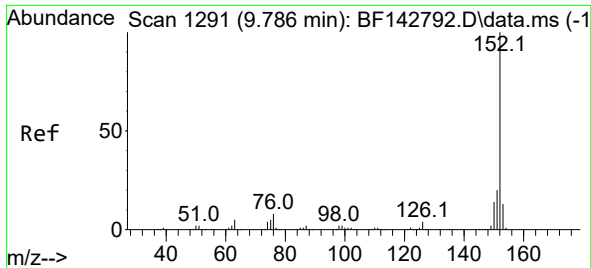
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#48
2-Nitroaniline
Concen: 45.716 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.000 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

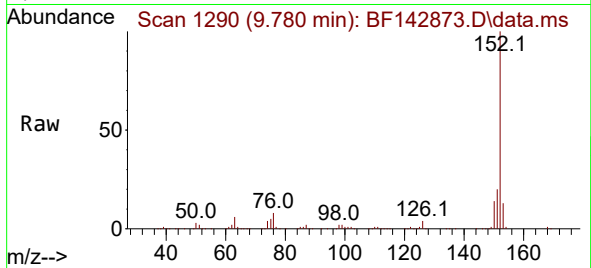
Tgt Ion: 65 Resp: 123605
Ion Ratio Lower Upper
65 100
92 67.7 53.8 80.6
138 115.7 89.6 134.4





#49
Acenaphthylene
Concen: 42.823 ng
RT: 9.780 min Scan# 1291
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

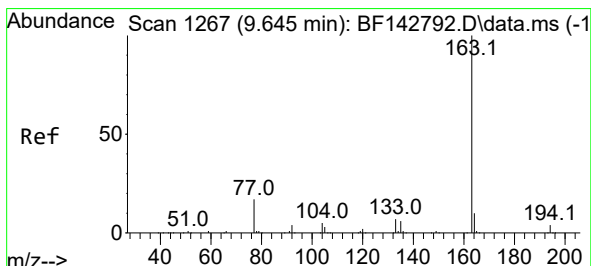
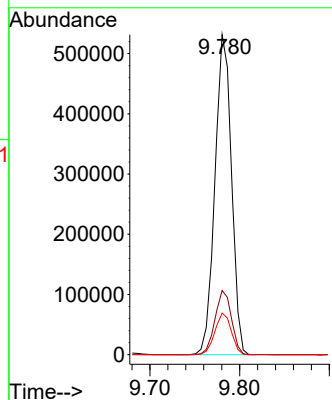
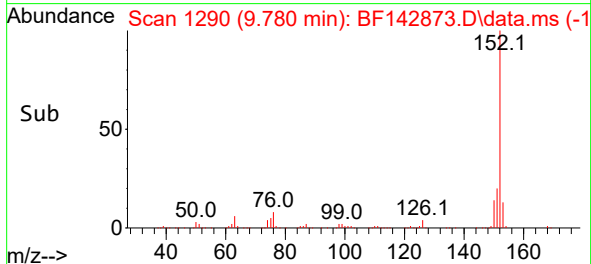
Instrument :
BNA_F
ClientSampleId :
MH-G/HMSD



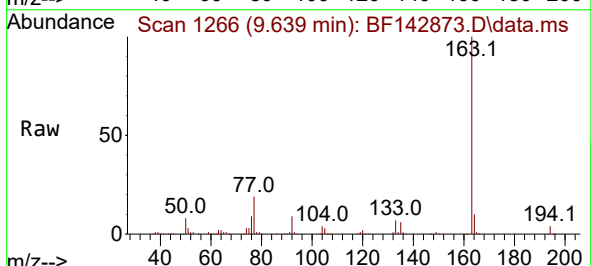
Tgt Ion:152 Resp: 679858
Ion Ratio Lower Upper
152 100
151 20.0 16.1 24.1
153 13.0 10.4 15.6

Manual Integrations
APPROVED

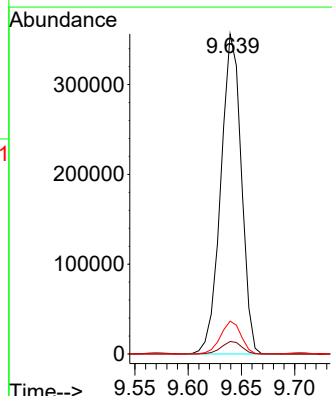
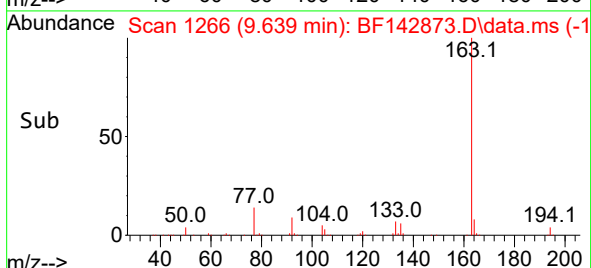
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025

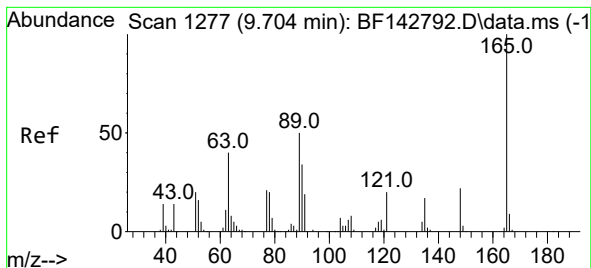


#50
Dimethylphthalate
Concen: 45.255 ng
RT: 9.639 min Scan# 1266
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36



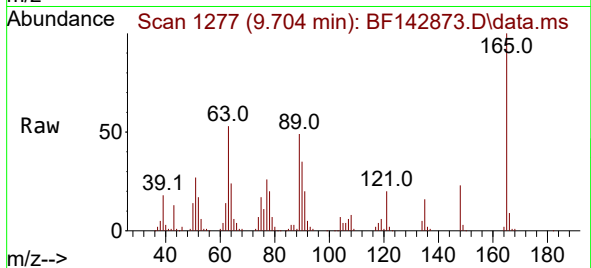
Tgt Ion:163 Resp: 476574
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 10.3 8.0 12.0





#51
2,6-Dinitrotoluene
Concen: 45.665 ng
RT: 9.704 min Scan# 1319
Delta R.T. 0.000 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

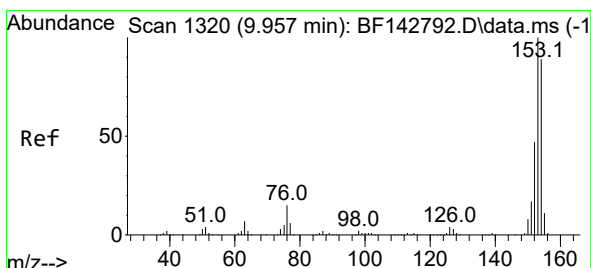
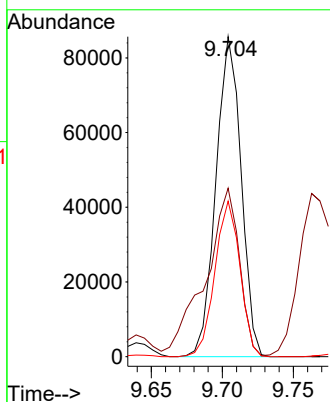
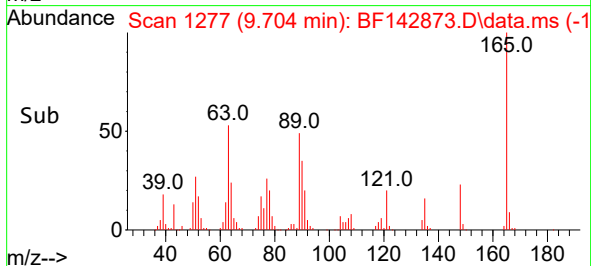
Instrument :
BNA_F
ClientSampleId :
MH-G/HMSD



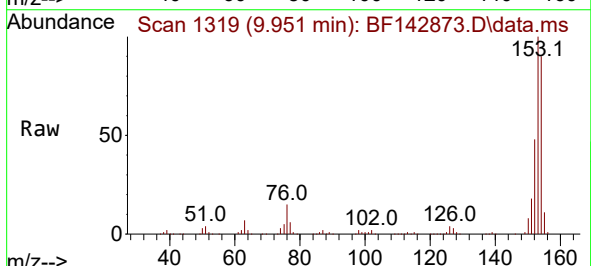
Tgt Ion:165 Resp: 105600
Ion Ratio Lower Upper
165 100
63 52.7 44.2 66.4
89 48.6 39.8 59.8

Manual Integrations
APPROVED

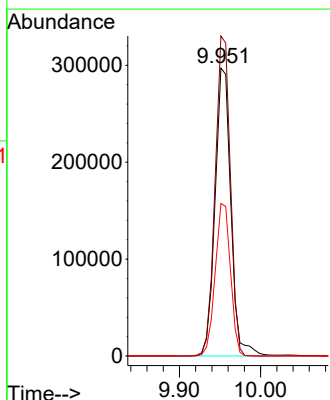
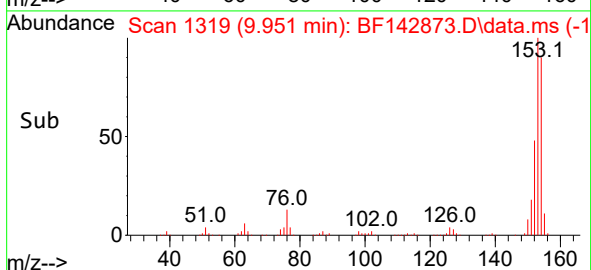
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#52
Acenaphthene
Concen: 41.583 ng
RT: 9.951 min Scan# 1319
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36



Tgt Ion:154 Resp: 402790
Ion Ratio Lower Upper
154 100
153 111.2 90.0 135.0
152 53.0 41.9 62.9





#53
3-Nitroaniline
Concen: 21.957 ng
RT: 9.869 min Scan# 11
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

Instrument :

BNA_F

ClientSampleId :

MH-G/HMSD

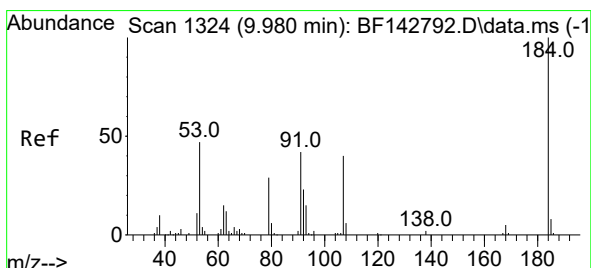
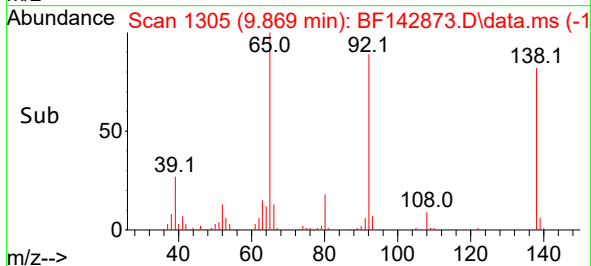
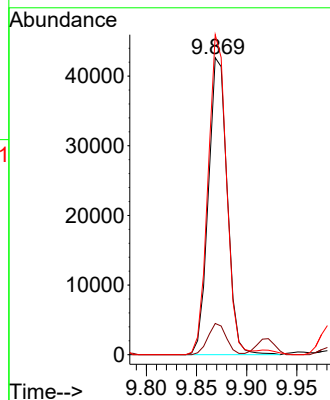
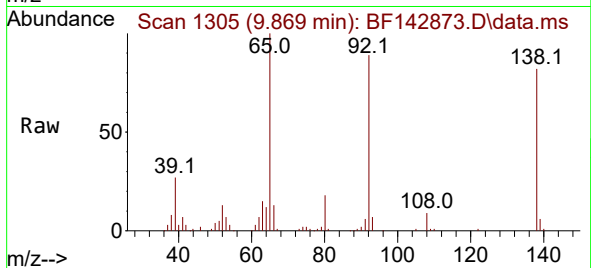
Tgt Ion:138 Resp: 5590
Ion Ratio Lower Upper
138 100
108 10.5 8.1 12.1
92 107.8 85.1 127.7

Manual Integrations

APPROVED

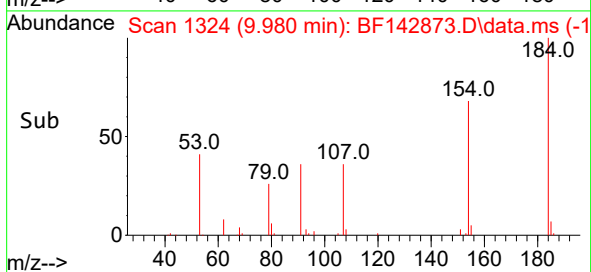
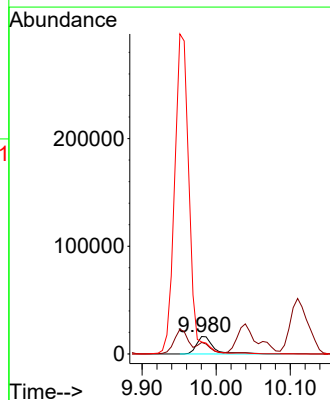
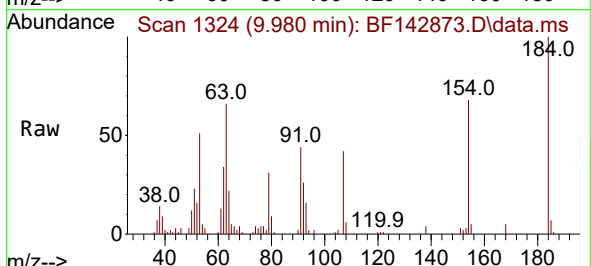
Reviewed By :Rahul Chavli 06/27/2025

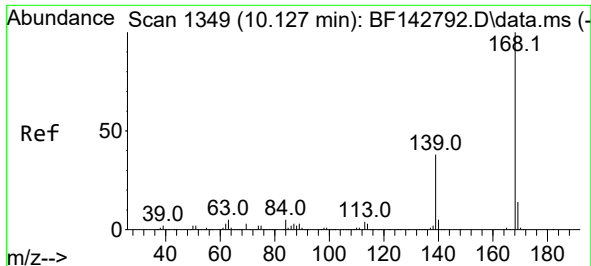
Supervised By :Jagrut Upadhyay 06/27/2025



#54
2,4-Dinitrophenol
Concen: 22.555 ng
RT: 9.980 min Scan# 1324
Delta R.T. 0.000 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

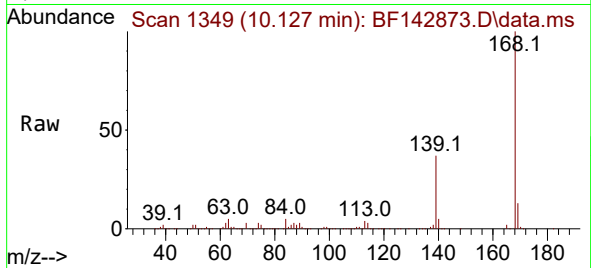
Tgt Ion:184 Resp: 26118
Ion Ratio Lower Upper
184 100
63 65.8 50.6 75.8
154 68.5 51.8 77.8





#55
Dibenzenofuran
Concen: 42.842 ng
RT: 10.127 min Scan# 1349
Delta R.T. 0.000 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

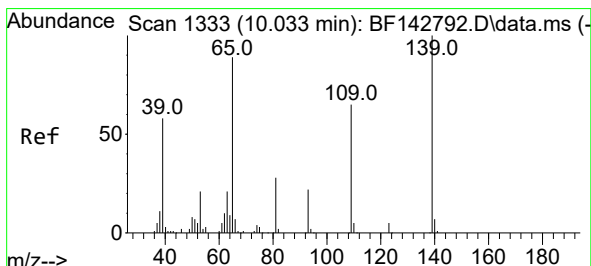
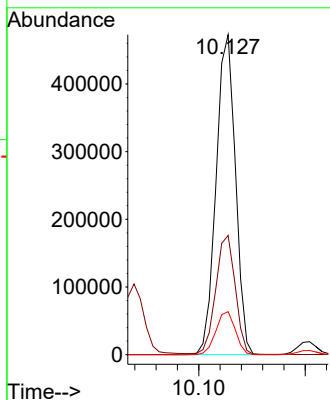
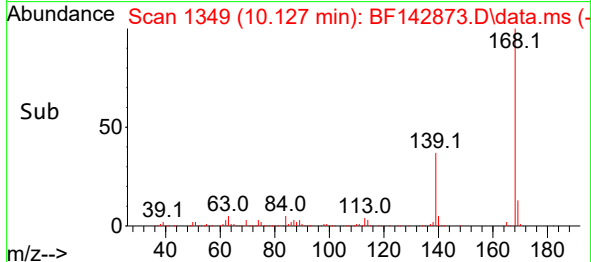
Instrument :
BNA_F
ClientSampleId :
MH-G/HMSD



Tgt Ion:168 Resp: 59507
Ion Ratio Lower Upper
168 100
139 37.3 30.2 45.4
169 13.4 10.8 16.2

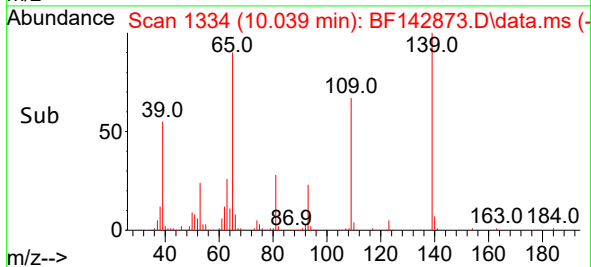
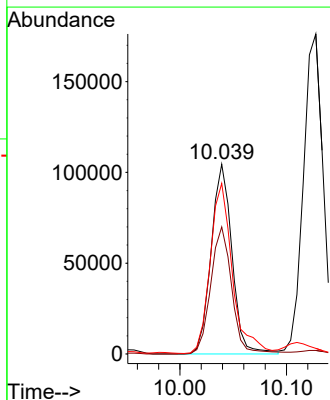
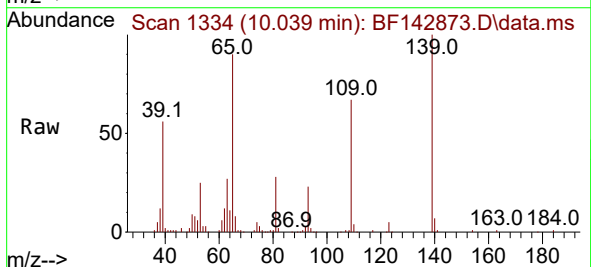
Manual Integrations
APPROVED

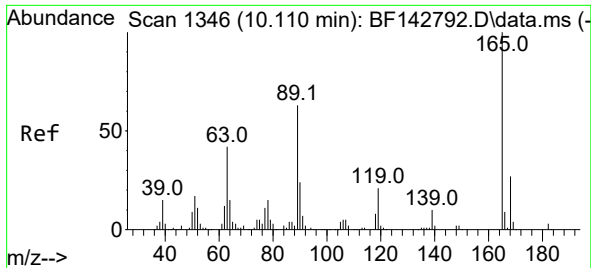
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#56
4-Nitrophenol
Concen: 81.677 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

Tgt Ion:139 Resp: 142376
Ion Ratio Lower Upper
139 100
109 67.0 44.7 84.7
65 89.9 69.8 109.8





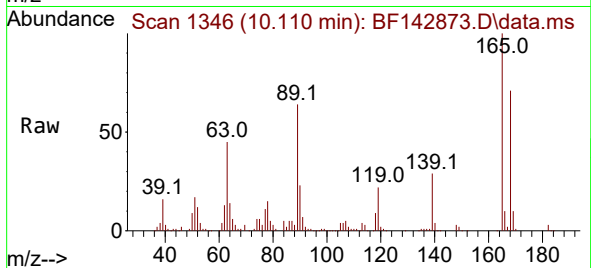
#57
2,4-Dinitrotoluene
Concen: 45.868 ng
RT: 10.110 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

Instrument :

BNA_F

ClientSampleId :

MH-G/HMSD



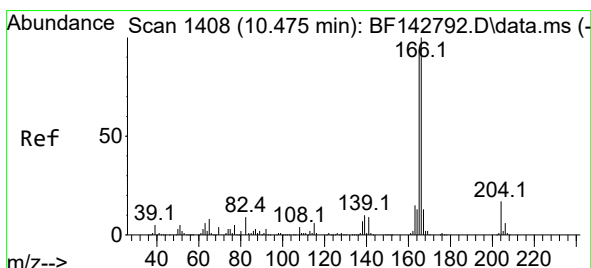
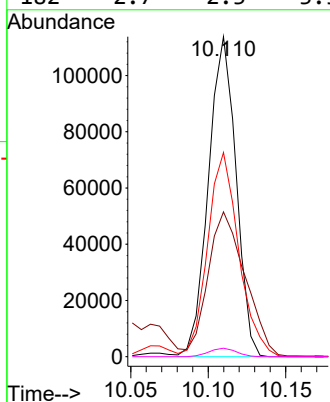
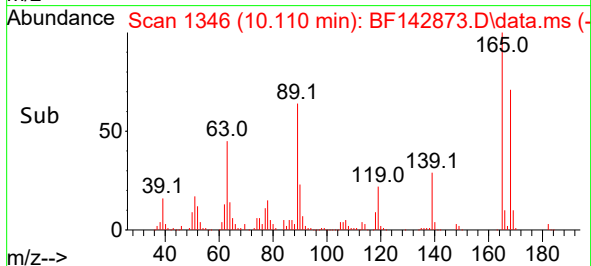
Tgt Ion:165 Resp: 140900
Ion Ratio Lower Upper
165 100
63 45.3 33.9 50.9
89 63.8 50.6 75.8
182 2.7 2.3 3.5

Manual Integrations

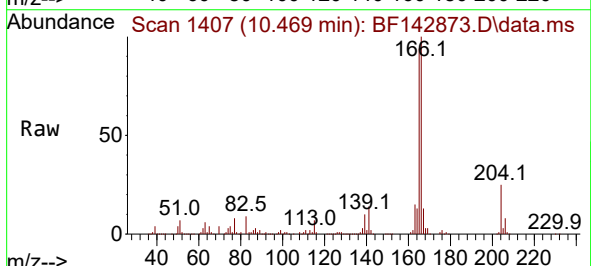
APPROVED

Reviewed By :Rahul Chavli 06/27/2025

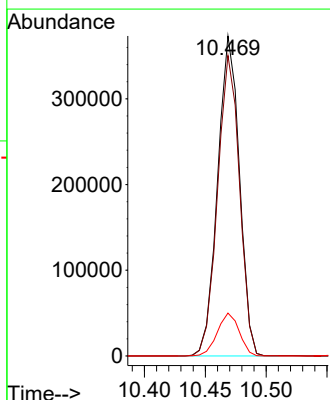
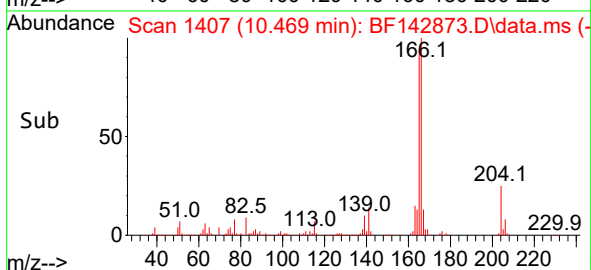
Supervised By :Jagrut Upadhyay 06/27/2025



#58
Fluorene
Concen: 42.906 ng
RT: 10.469 min Scan# 1407
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36



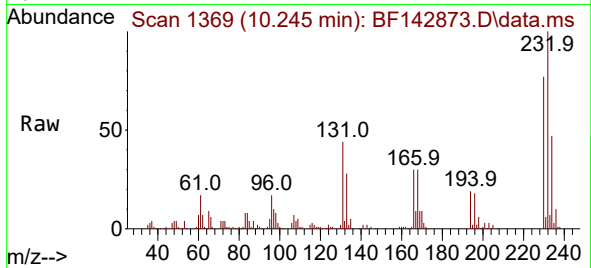
Tgt Ion:166 Resp: 465440
Ion Ratio Lower Upper
166 100
165 93.9 75.2 112.8
167 13.4 10.6 15.8





#59
2,3,4,6-Tetrachlorophenol
Concen: 39.382 ng
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

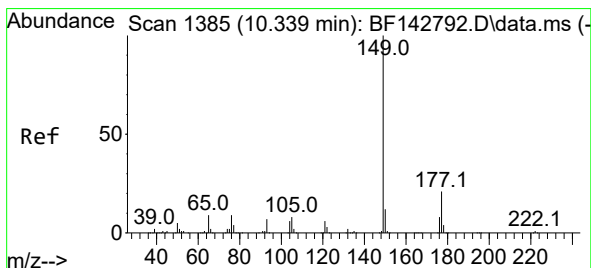
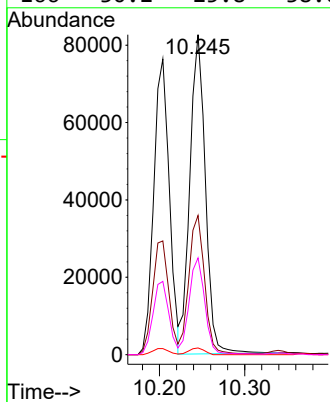
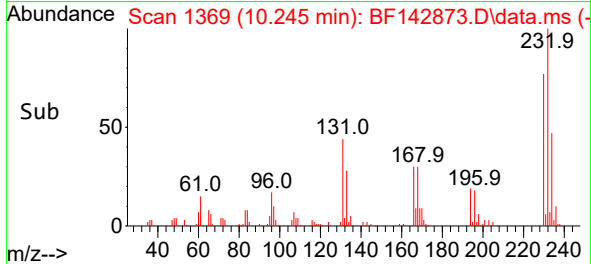
Instrument :
BNA_F
ClientSampleId :
MH-G/HMSD



Tgt Ion:232 Resp: 104521
Ion Ratio Lower Upper
232 100
131 44.5 37.6 56.4
130 2.1 1.7 2.5
166 30.2 25.8 38.6

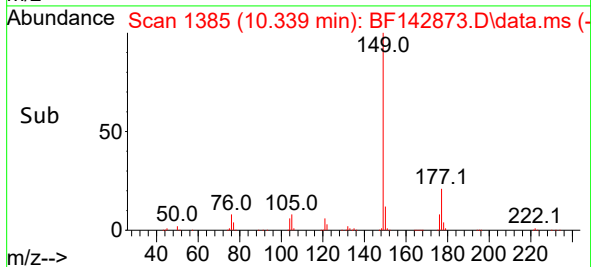
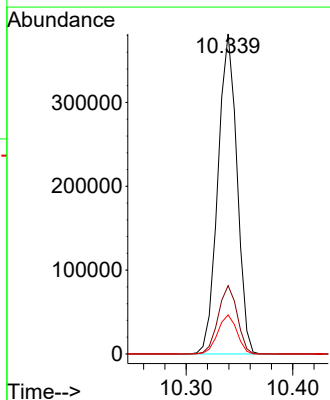
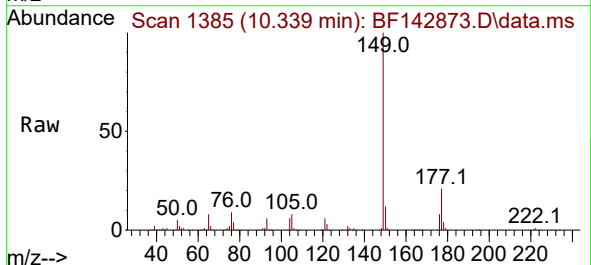
Manual Integrations
APPROVED

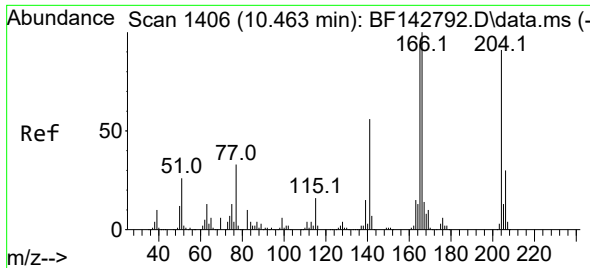
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#60
Diethylphthalate
Concen: 45.917 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

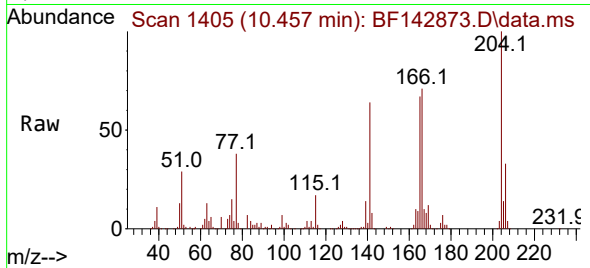
Tgt Ion:149 Resp: 474099
Ion Ratio Lower Upper
149 100
177 21.3 17.0 25.6
150 12.2 9.8 14.6





#61
4-Chlorophenyl-phenylether
Concen: 42.841 ng
RT: 10.457 min Scan# 1405
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

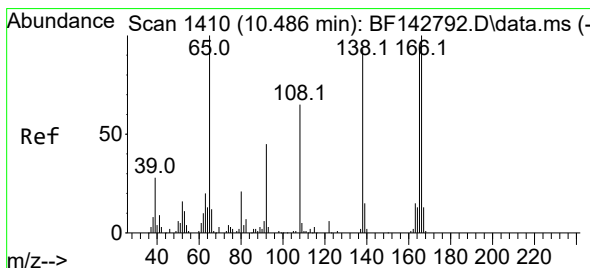
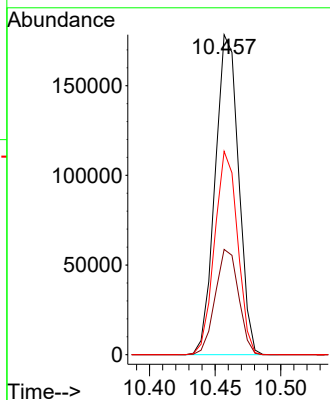
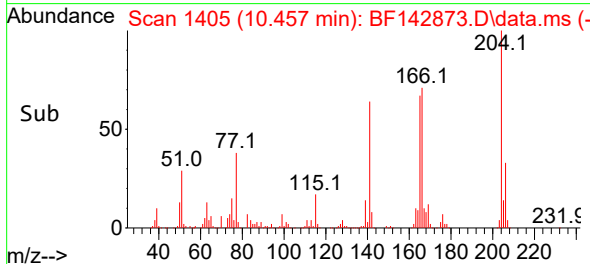
Instrument :
BNA_F
ClientSampleId :
MH-G/HMSD



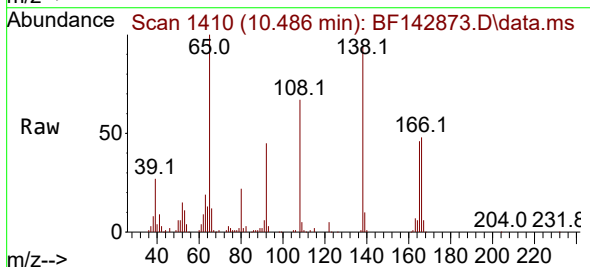
Tgt Ion:204 Resp: 22176
Ion Ratio Lower Upper
204 100
206 32.9 26.3 39.5
141 63.6 49.1 73.7

Manual Integrations
APPROVED

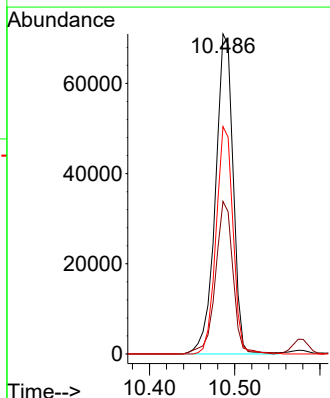
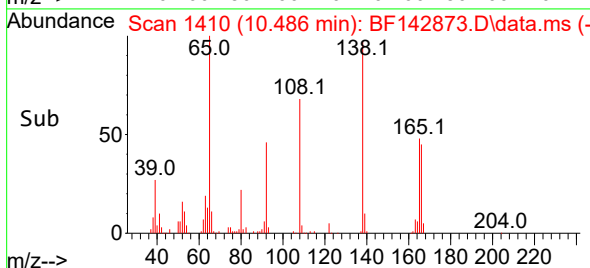
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025

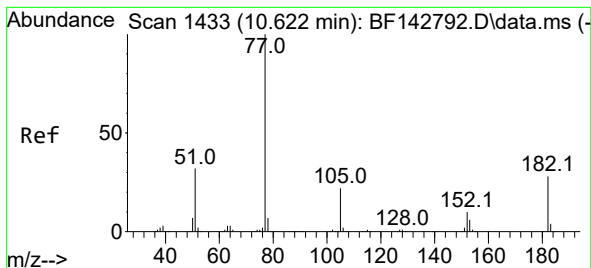


#62
4-Nitroaniline
Concen: 44.037 ng
RT: 10.486 min Scan# 1410
Delta R.T. 0.000 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36



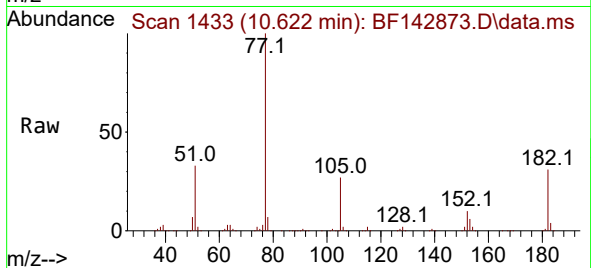
Tgt Ion:138 Resp: 102550
Ion Ratio Lower Upper
138 100
92 47.6 28.4 68.4
108 71.1 50.2 90.2





#63
Azobenzene
Concen: 47.647 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

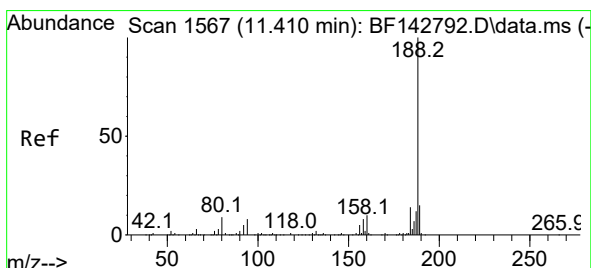
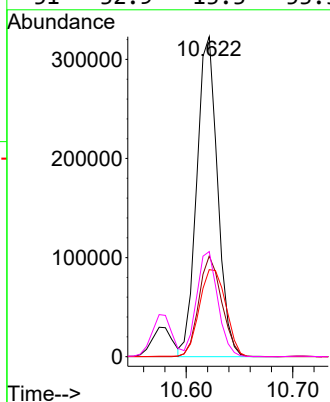
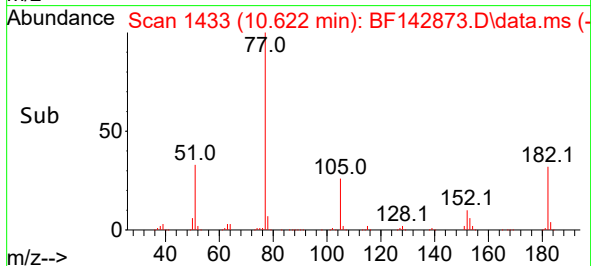
Instrument :
BNA_F
ClientSampleId :
MH-G/HMSD



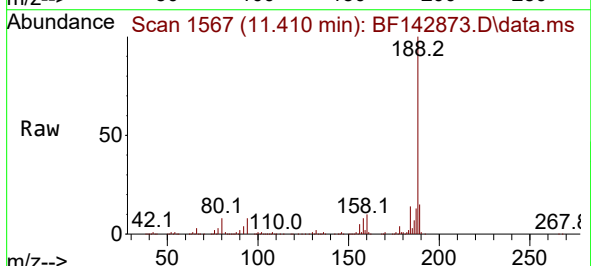
Tgt Ion: 77 Resp: 43969
Ion Ratio Lower Upper
77 100
182 31.5 7.7 47.7
105 27.2 1.9 41.9
51 32.9 13.3 53.3

Manual Integrations
APPROVED

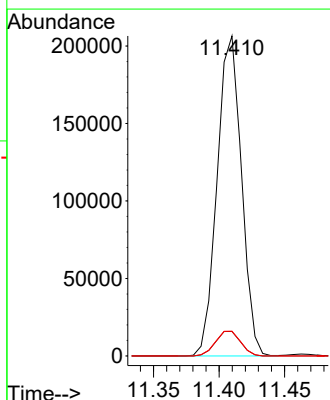
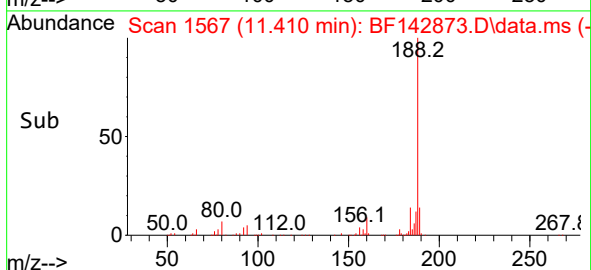
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025

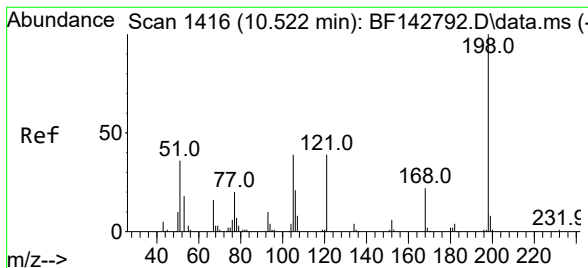


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36



Tgt Ion:188 Resp: 266635
Ion Ratio Lower Upper
188 100
94 7.7 6.7 10.1
80 7.8 6.9 10.3





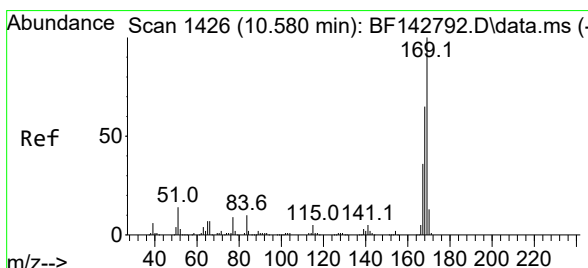
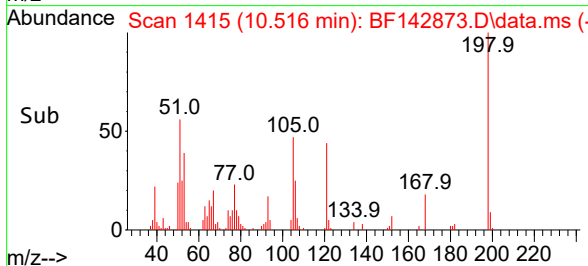
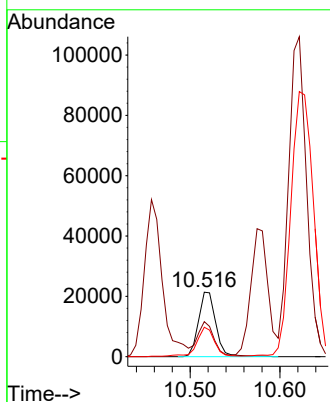
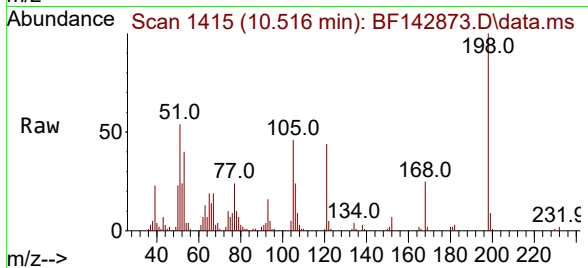
#65
4,6-Dinitro-2-methylphenol
Concen: 17.767 ng
RT: 10.516 min Scan# 1416
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

Instrument :
BNA_F
ClientSampleId :
MH-G/HMSD

Tgt Ion:198 Resp: 28654
Ion Ratio Lower Upper
198 100
51 54.4 25.4 65.4
105 45.6 20.4 60.4

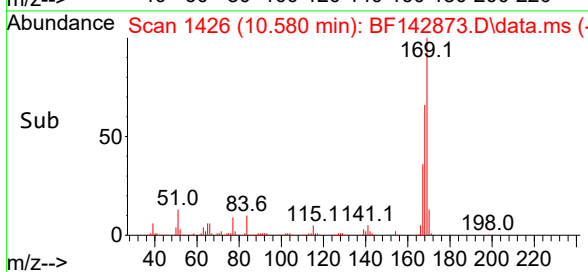
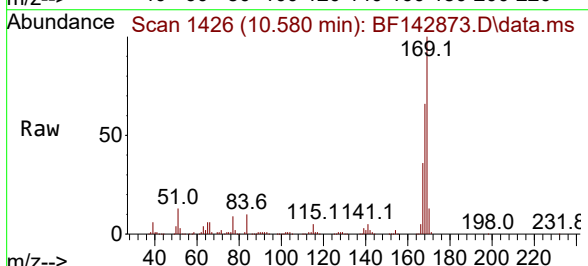
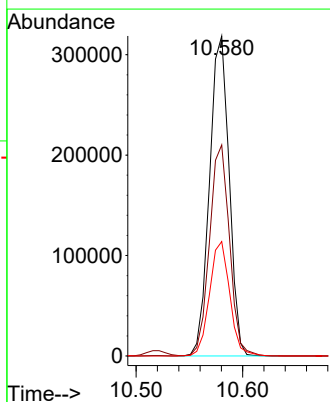
Manual Integrations
APPROVED

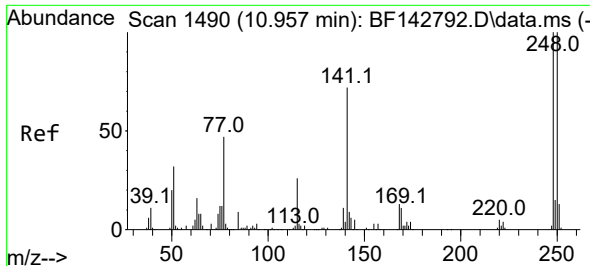
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#66
n-Nitrosodiphenylamine
Concen: 43.980 ng
RT: 10.580 min Scan# 1426
Delta R.T. 0.000 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

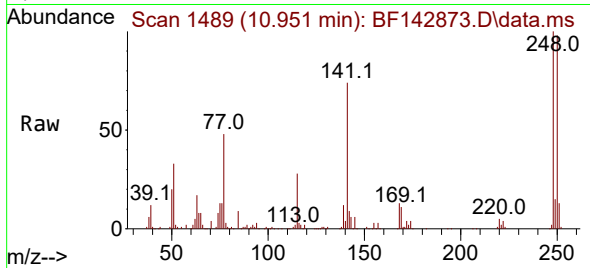
Tgt Ion:169 Resp: 406412
Ion Ratio Lower Upper
169 100
168 66.0 51.9 77.9
167 35.8 28.5 42.7





#67
4-Bromophenyl-phenylether
Concen: 44.791 ng
RT: 10.951 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

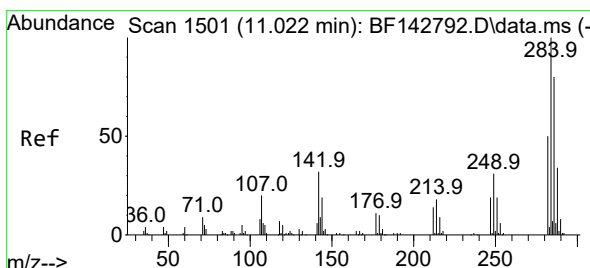
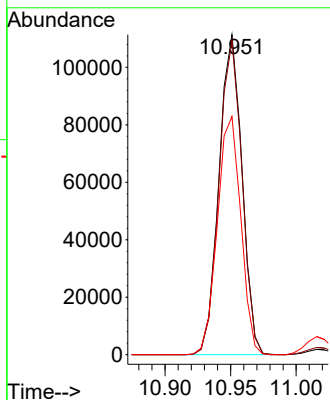
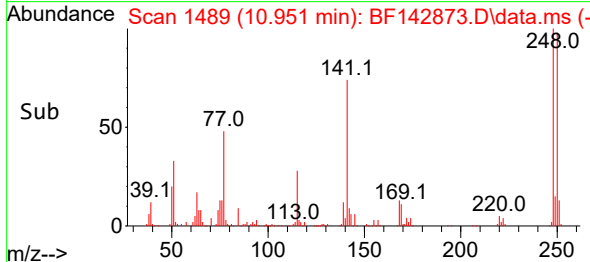
Instrument :
BNA_F
ClientSampleId :
MH-G/HMSD



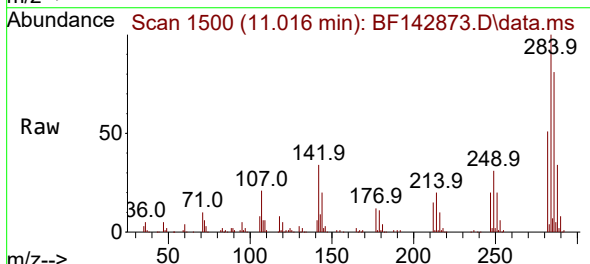
Tgt Ion:248 Resp: 135920
Ion Ratio Lower Upper
248 100
250 98.1 79.8 119.8
141 74.5 57.8 86.6

Manual Integrations
APPROVED

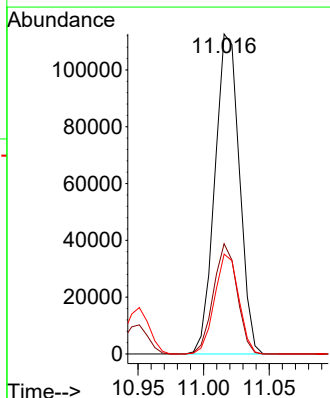
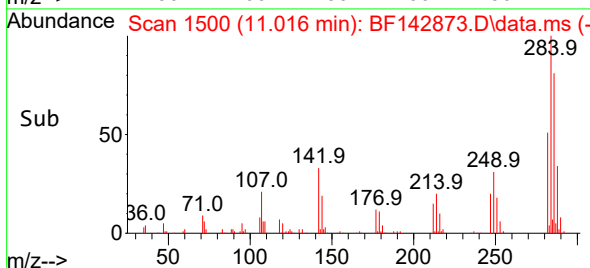
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#68
Hexachlorobenzene
Concen: 43.402 ng
RT: 11.016 min Scan# 1500
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36



Tgt Ion:284 Resp: 146346
Ion Ratio Lower Upper
284 100
142 34.4 25.5 38.3
249 31.2 24.9 37.3





#69

Atrazine

Concen: 52.811 ng

RT: 11.104 min Scan# 1515

Delta R.T. 0.000 min

Lab File: BF142873.D

Acq: 26 Jun 2025 17:36

Instrument :

BNA_F

ClientSampleId :

MH-G/HMSD

Tgt Ion:200 Resp: 12602

Ion Ratio Lower Upper

200 100

173 27.7 7.4 47.4

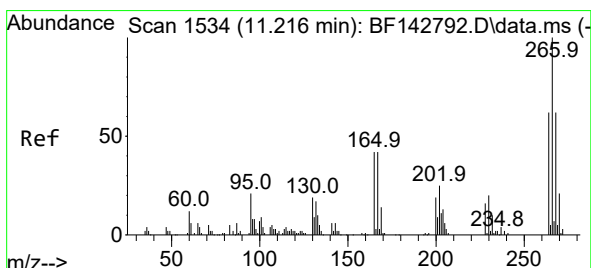
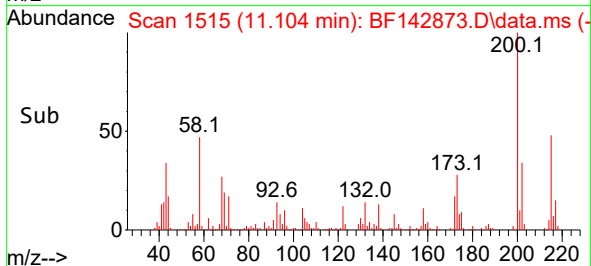
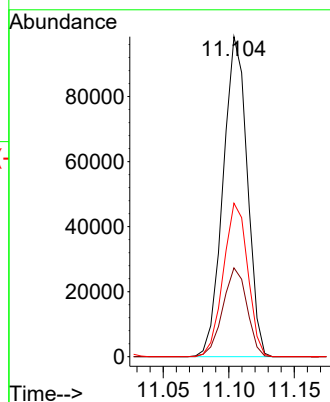
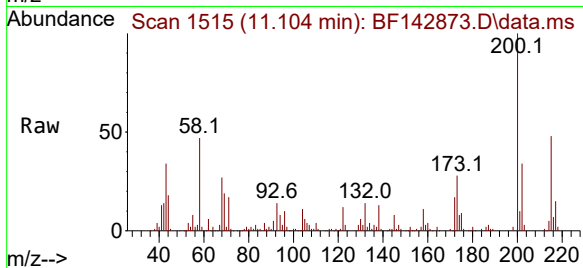
215 47.9 28.4 68.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 06/27/2025

Supervised By :Jagrut Upadhyay 06/27/2025



#70

Pentachlorophenol

Concen: 54.305 ng

RT: 11.216 min Scan# 1534

Delta R.T. 0.000 min

Lab File: BF142873.D

Acq: 26 Jun 2025 17:36

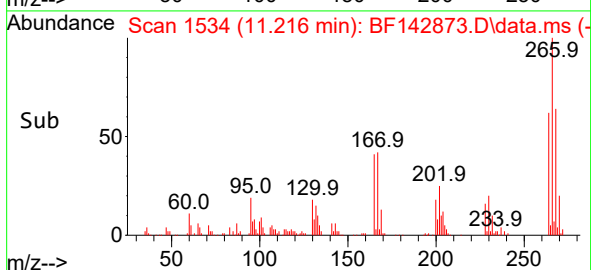
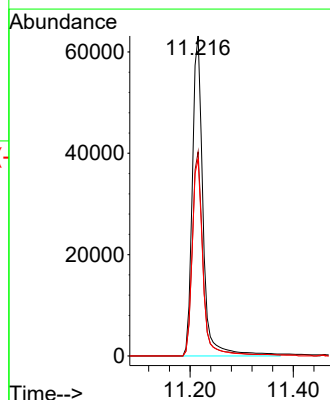
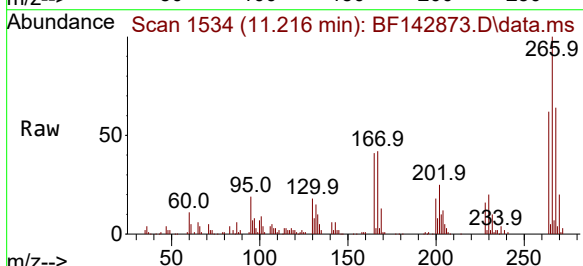
Tgt Ion:266 Resp: 91245

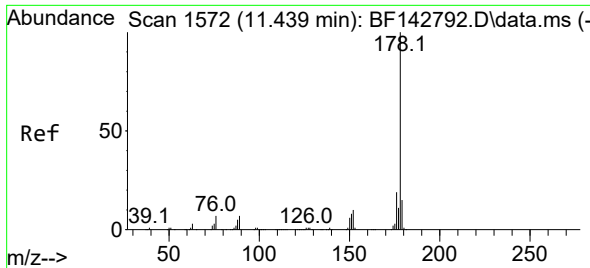
Ion Ratio Lower Upper

266 100

268 63.8 49.8 74.8

264 61.6 49.9 74.9





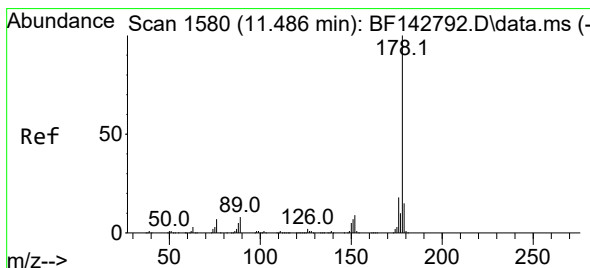
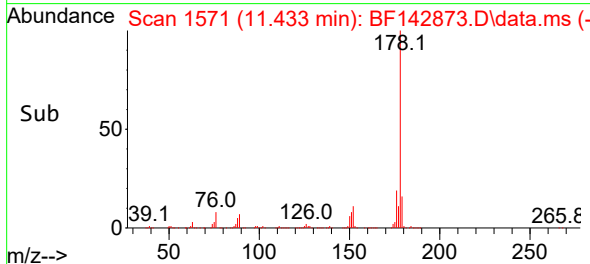
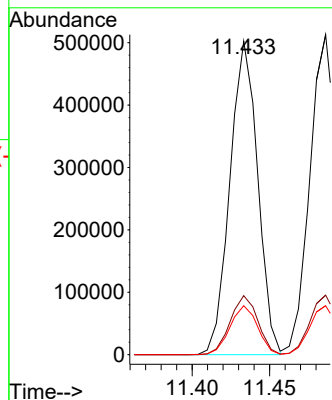
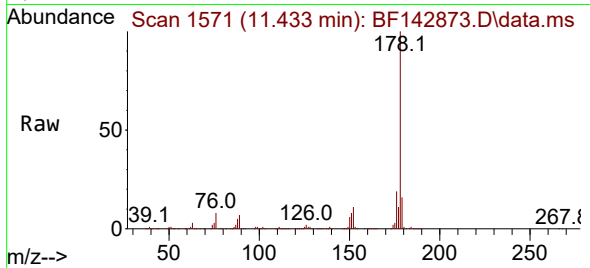
#71
Phenanthrene
Concen: 43.347 ng
RT: 11.433 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

Instrument :
BNA_F
ClientSampleId :
MH-G/HMSD

Tgt Ion:178 Resp: 62608
Ion Ratio Lower Upper
178 100
176 18.8 15.1 22.7
179 15.6 12.0 18.0

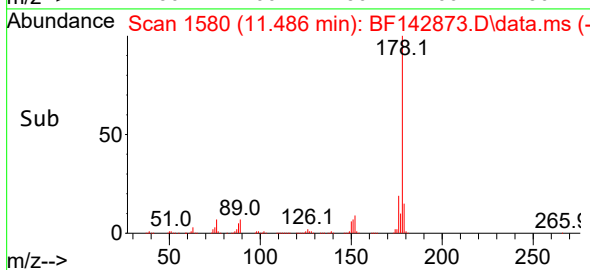
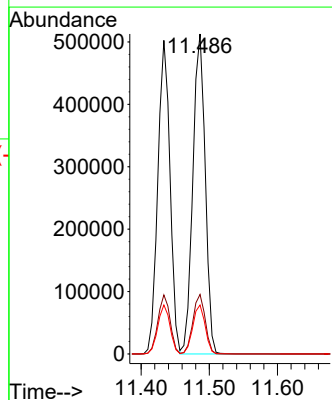
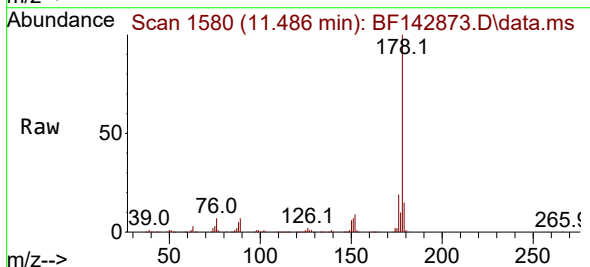
Manual Integrations
APPROVED

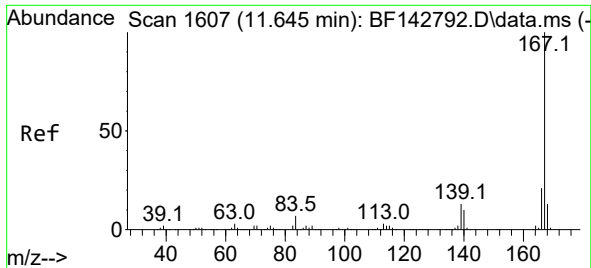
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#72
Anthracene
Concen: 43.337 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

Tgt Ion:178 Resp: 641967
Ion Ratio Lower Upper
178 100
176 18.6 14.6 21.8
179 15.3 12.4 18.6





#73
 Carbazole
 Concen: 43.720 ng
 RT: 11.639 min Scan# 1606
 Delta R.T. -0.006 min
 Lab File: BF142873.D
 Acq: 26 Jun 2025 17:36

Instrument :

BNA_F

ClientSampleId :

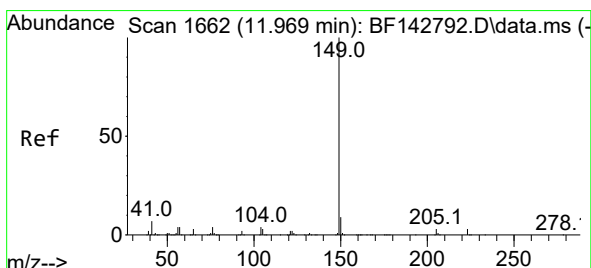
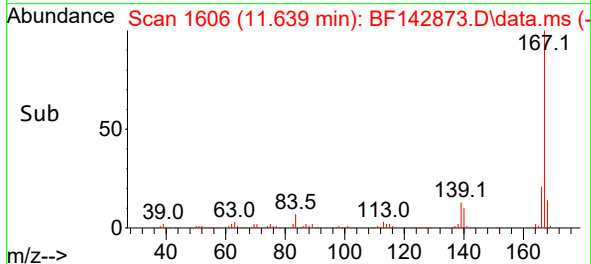
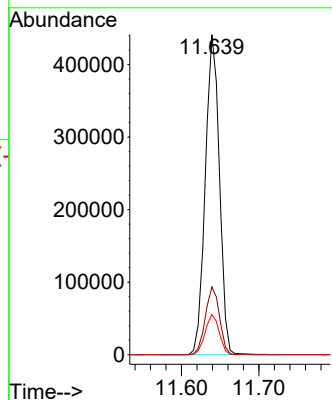
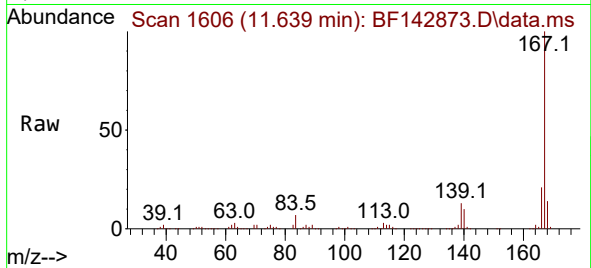
MH-G/HMSD

Tgt Ion:167 Resp: 558878
 Ion Ratio Lower Upper
 167 100
 166 21.2 17.0 25.4
 139 12.5 10.2 15.2

Manual Integrations

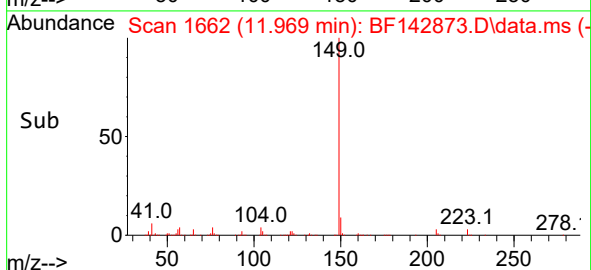
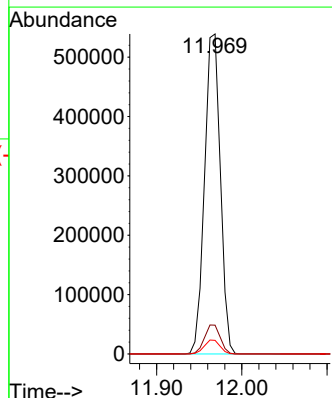
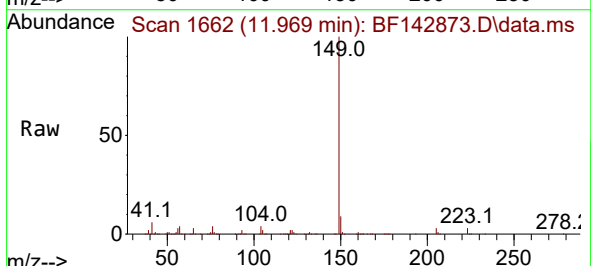
APPROVED

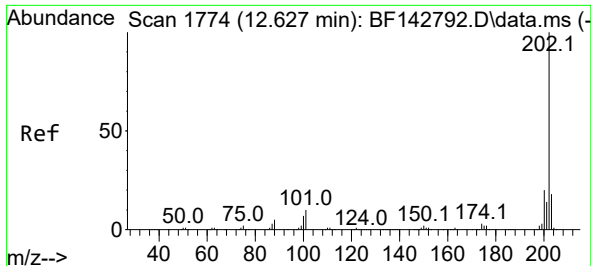
Reviewed By :Rahul Chavli 06/27/2025
 Supervised By :Jagrut Upadhyay 06/27/2025



#74
 Di-n-butylphthalate
 Concen: 52.122 ng
 RT: 11.969 min Scan# 1662
 Delta R.T. 0.000 min
 Lab File: BF142873.D
 Acq: 26 Jun 2025 17:36

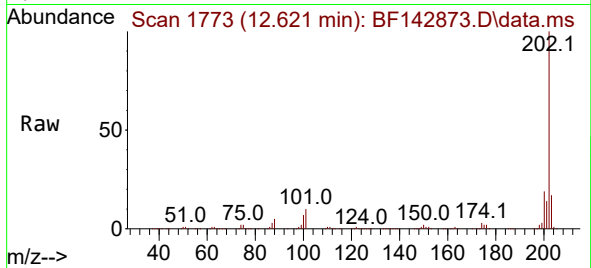
Tgt Ion:149 Resp: 694109
 Ion Ratio Lower Upper
 149 100
 150 9.0 7.4 11.0
 104 4.2 3.5 5.3





#75
Fluoranthene
Concen: 42.494 ng
RT: 12.621 min Scan# 1774
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

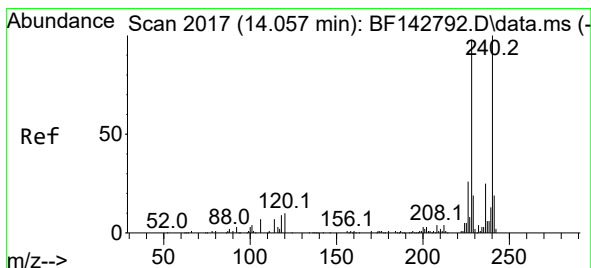
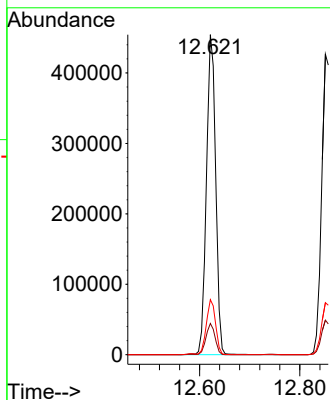
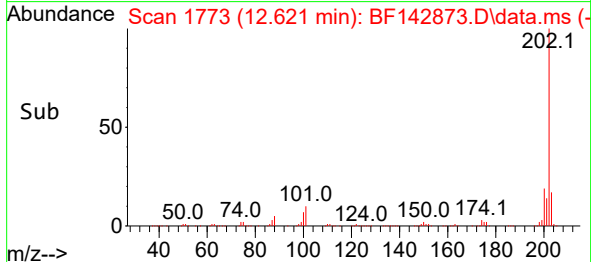
Instrument :
BNA_F
ClientSampleId :
MH-G/HMSD



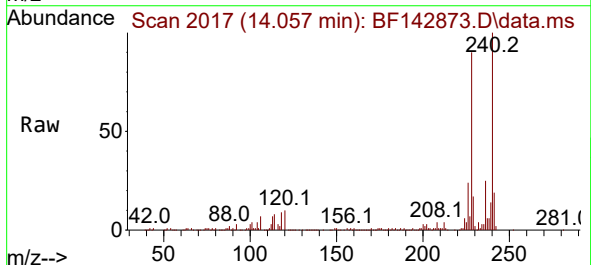
Tgt Ion:202 Resp: 582494
Ion Ratio Lower Upper
202 100
101 9.7 0.0 29.7
203 17.2 0.0 37.5

Manual Integrations
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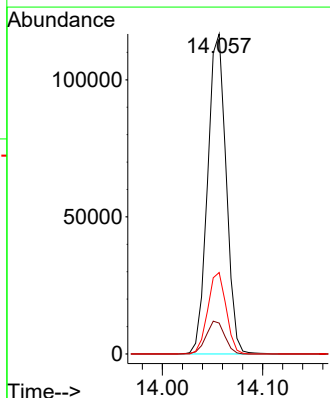
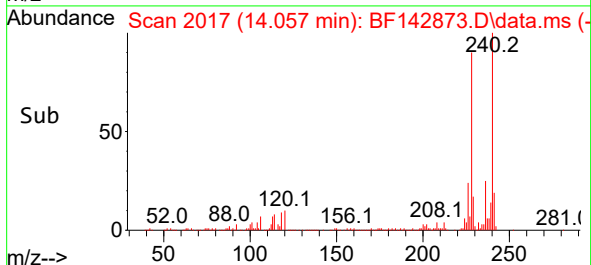
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025

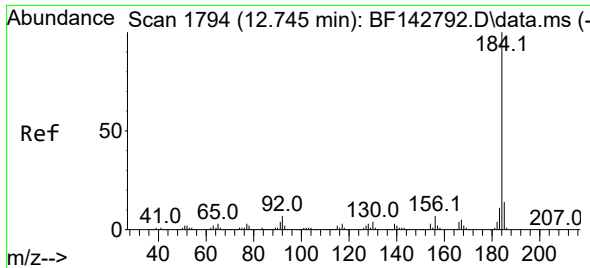


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36



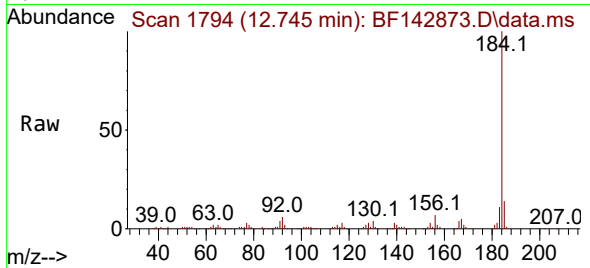
Tgt Ion:240 Resp: 149914
Ion Ratio Lower Upper
240 100
120 9.7 8.2 12.2
236 25.4 19.8 29.8





#77
Benzidine
Concen: 20.063 ng
RT: 12.745 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

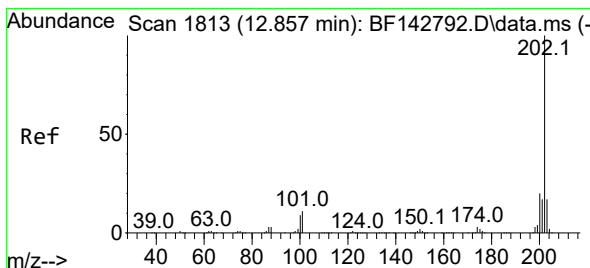
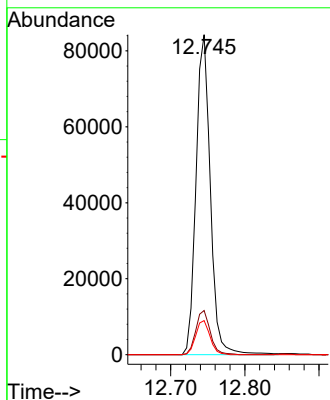
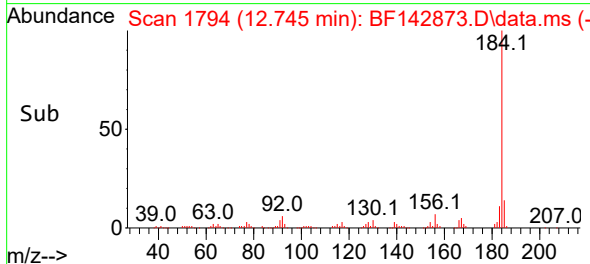
Instrument :
BNA_F
ClientSampleId :
MH-G/HMSD



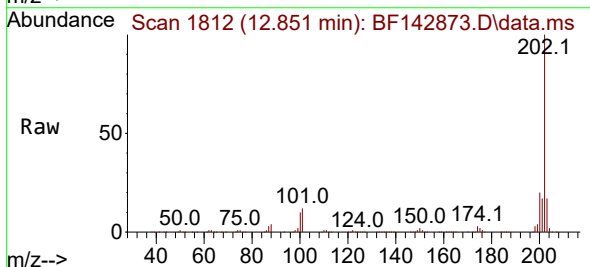
Tgt Ion:184 Resp: 11300
Ion Ratio Lower Upper
184 100
185 13.8 11.5 17.3
183 10.7 9.0 13.4

Manual Integrations
APPROVED

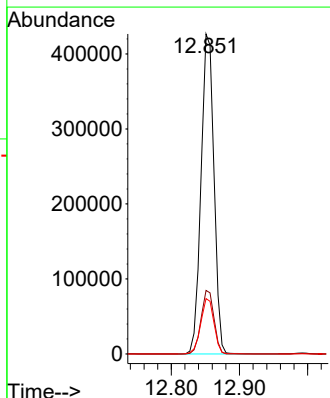
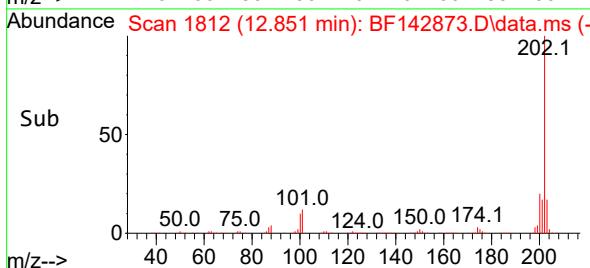
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#78
Pyrene
Concen: 40.121 ng
RT: 12.851 min Scan# 1812
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36



Tgt Ion:202 Resp: 563776
Ion Ratio Lower Upper
202 100
200 19.9 15.7 23.5
203 17.3 13.8 20.6





#79
 Terphenyl-d14
 Concen: 45.271 ng
 RT: 12.992 min Scan# 1836
 Delta R.T. -0.006 min
 Lab File: BF142873.D
 Acq: 26 Jun 2025 17:36

Instrument :

BNA_F

ClientSampleId :

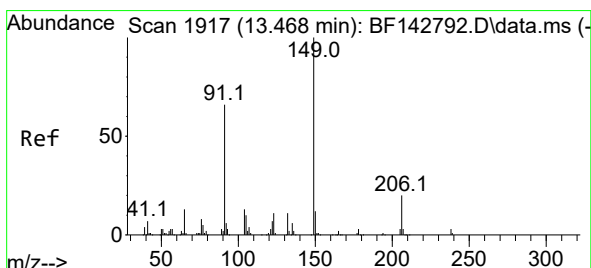
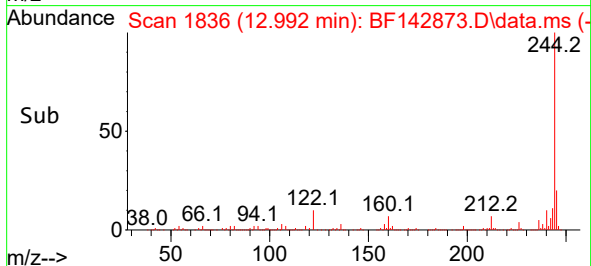
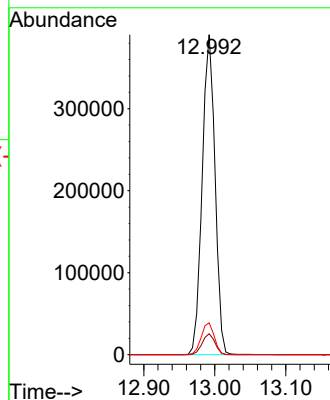
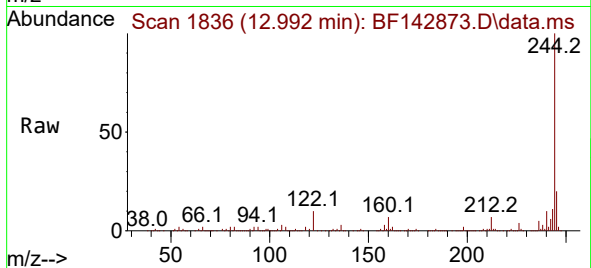
MH-G/HMSD

Tgt Ion:244 Resp: 491190
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.4 8.0
 122 10.0 8.2 12.2

Manual Integrations

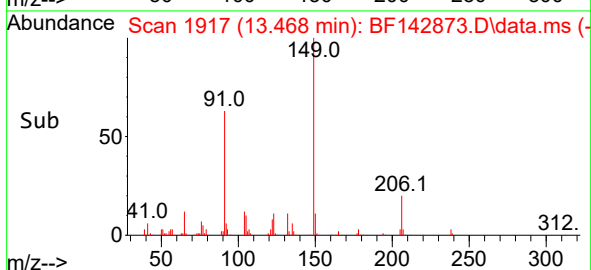
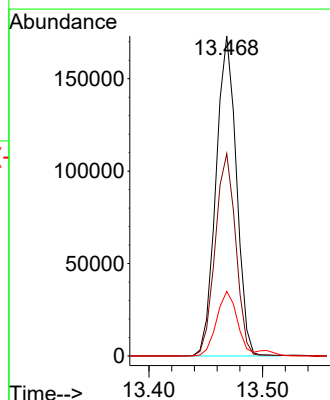
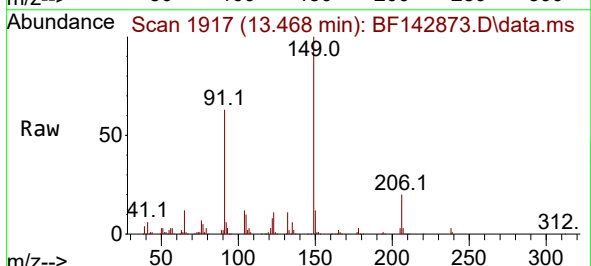
APPROVED

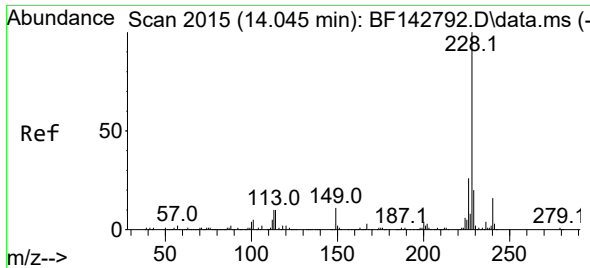
Reviewed By :Rahul Chavli 06/27/2025
 Supervised By :Jagrut Upadhyay 06/27/2025



#80
 Butylbenzylphthalate
 Concen: 53.156 ng
 RT: 13.468 min Scan# 1917
 Delta R.T. 0.000 min
 Lab File: BF142873.D
 Acq: 26 Jun 2025 17:36

Tgt Ion:149 Resp: 216670
 Ion Ratio Lower Upper
 149 100
 91 63.2 52.9 79.3
 206 20.2 16.3 24.5





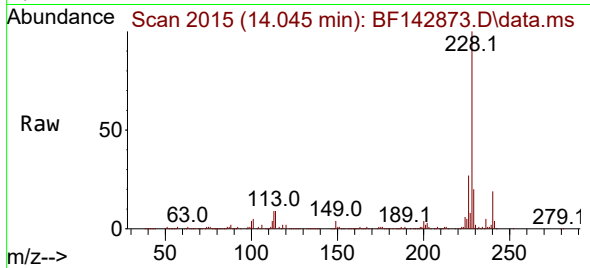
#81
Benzo(a)anthracene
Concen: 43.677 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

Instrument :

BNA_F

ClientSampleId :

MH-G/HMSD



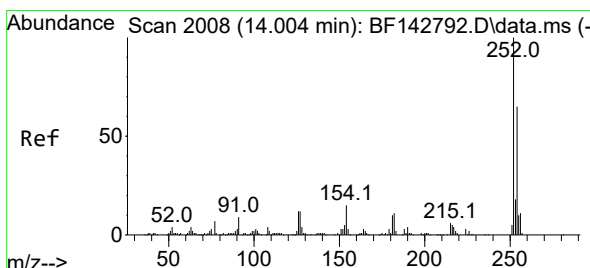
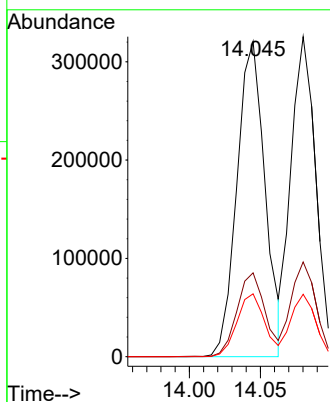
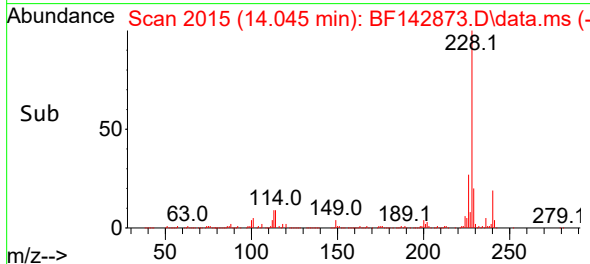
Tgt Ion:228 Resp: 44172
Ion Ratio Lower Upper
228 100
226 26.6 21.2 31.8
229 20.0 15.6 23.4

Manual Integrations

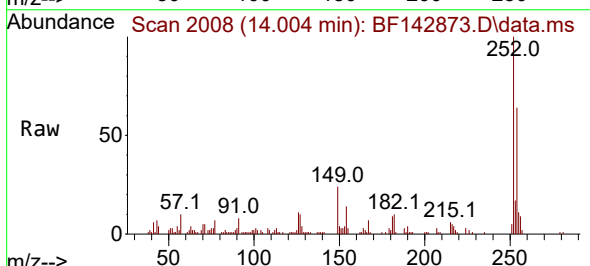
APPROVED

Reviewed By :Rahul Chavli 06/27/2025

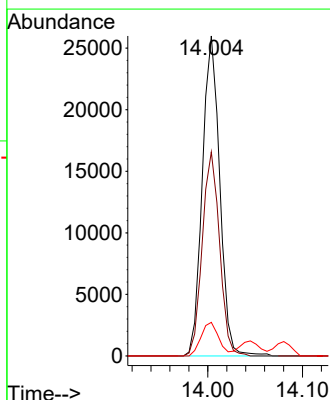
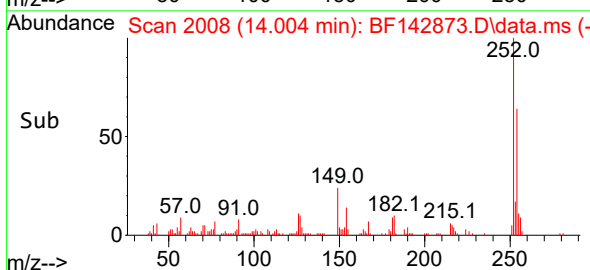
Supervised By :Jagrut Upadhyay 06/27/2025

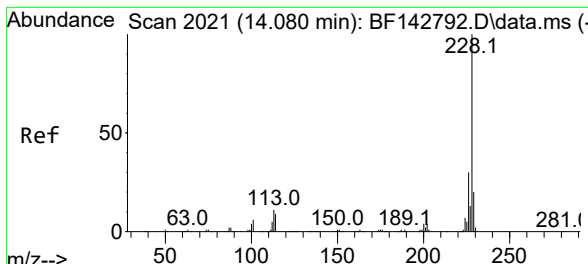


#82
3,3'-Dichlorobenzidine
Concen: 10.099 ng
RT: 14.004 min Scan# 2008
Delta R.T. 0.000 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36



Tgt Ion:252 Resp: 33127
Ion Ratio Lower Upper
252 100
254 63.8 51.7 77.5
126 10.5 9.4 14.2





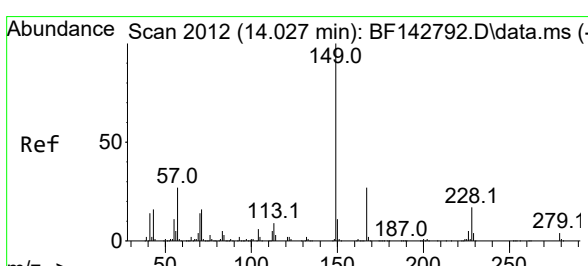
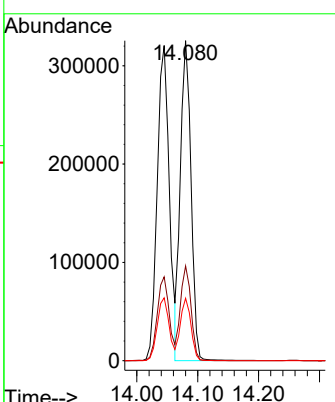
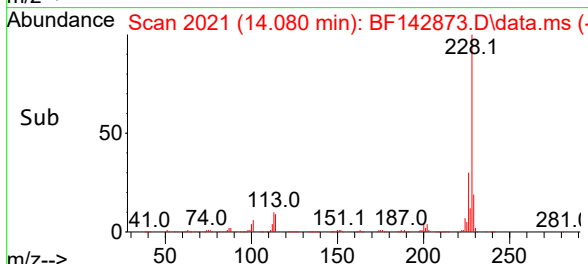
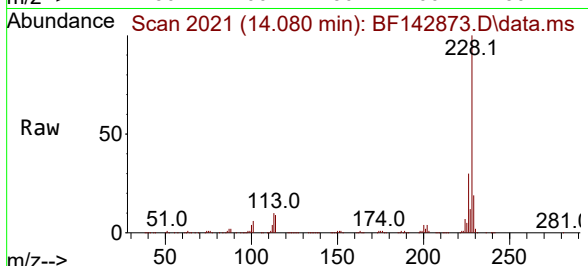
#83
 Chrysene
 Concen: 43.737 ng
 RT: 14.080 min Scan# 2021
 Delta R.T. 0.000 min
 Lab File: BF142873.D
 Acq: 26 Jun 2025 17:36

Instrument : BNA_F
 ClientSampleId : MH-G/HMSD

Tgt Ion:228 Resp: 39469

Ion	Ratio	Lower	Upper
228	100		
226	29.6	23.7	35.5
229	19.5	15.7	23.5

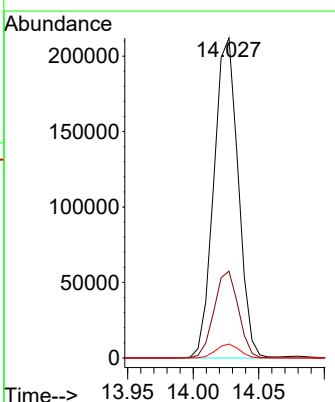
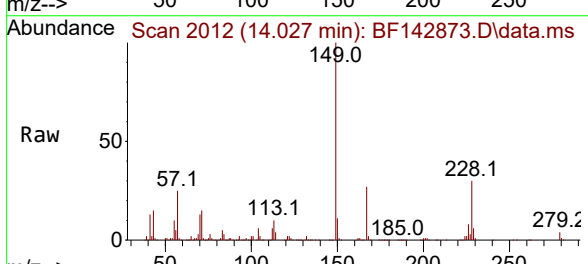
Manual Integrations
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 Reviewed By :Rahul Chavli 06/27/2025
 Supervised By :Jagrut Upadhyay 06/27/2025

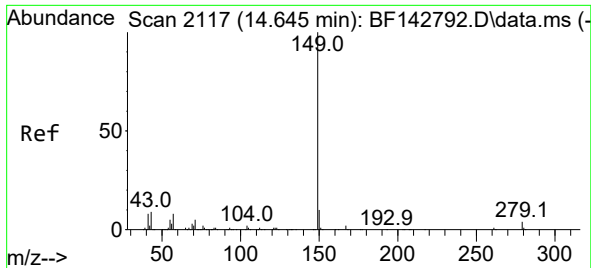


#84
 Bis(2-ethylhexyl)phthalate
 Concen: 46.696 ng
 RT: 14.027 min Scan# 2012
 Delta R.T. 0.000 min
 Lab File: BF142873.D
 Acq: 26 Jun 2025 17:36

Tgt Ion:149 Resp: 273853

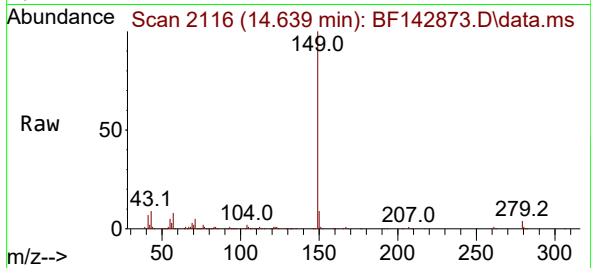
Ion	Ratio	Lower	Upper
149	100		
167	27.1	21.4	32.0
279	4.3	3.0	4.6





#85
Di-n-octyl phthalate
Concen: 40.348 ng
RT: 14.639 min Scan# 2117
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

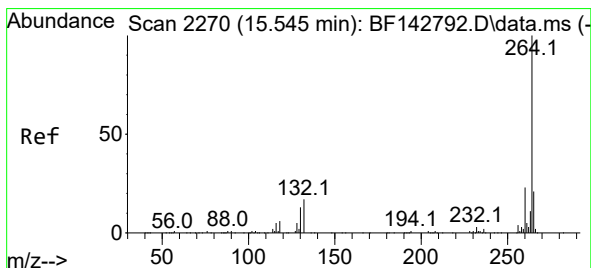
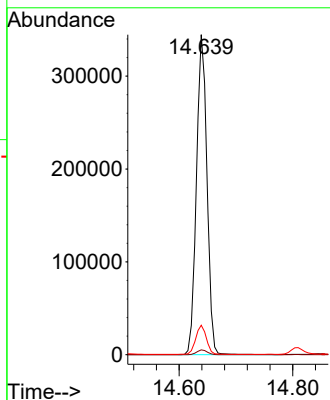
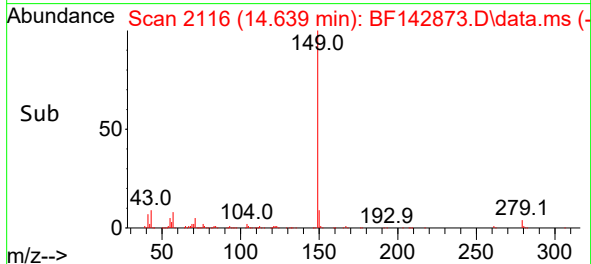
Instrument :
BNA_F
ClientSampleId :
MH-G/HMSD



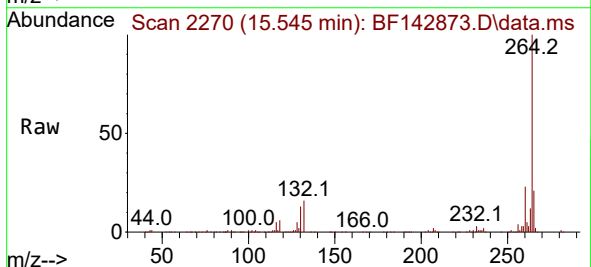
Tgt Ion:149 Resp: 446180
Ion Ratio Lower Upper
149 100
167 1.5 1.3 1.9
43 9.1 7.6 11.4

Manual Integrations
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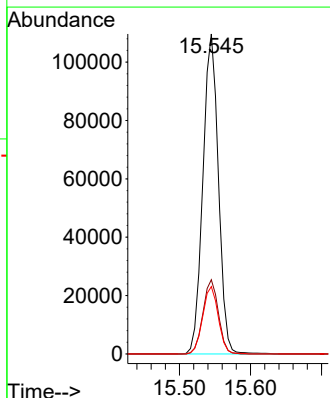
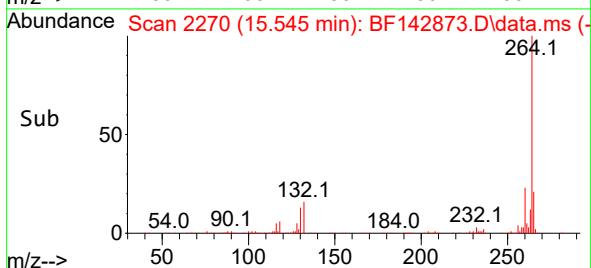
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025

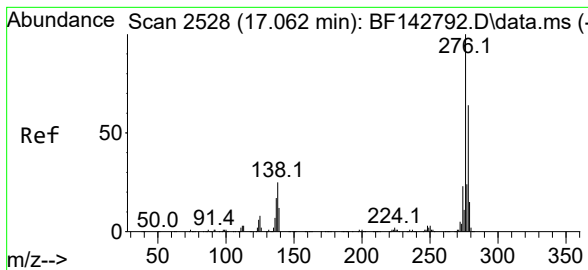


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36



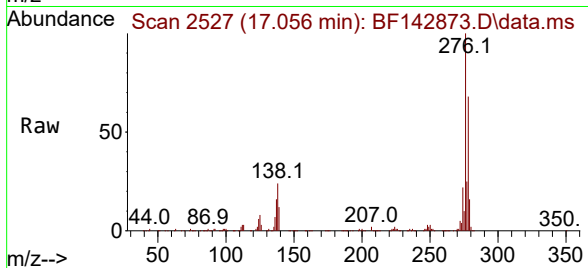
Tgt Ion:264 Resp: 166770
Ion Ratio Lower Upper
264 100
260 23.2 18.1 27.1
265 21.1 16.6 25.0





#87
Indeno(1,2,3-cd)pyrene
Concen: 32.642 ng
RT: 17.056 min Scan# 211
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

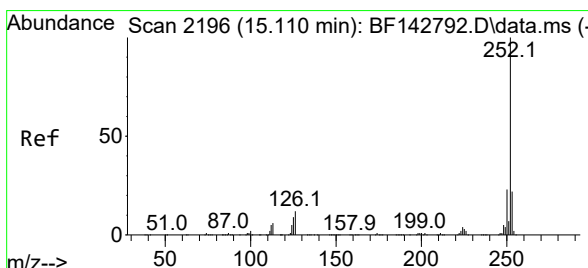
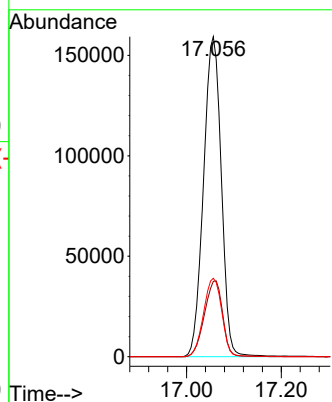
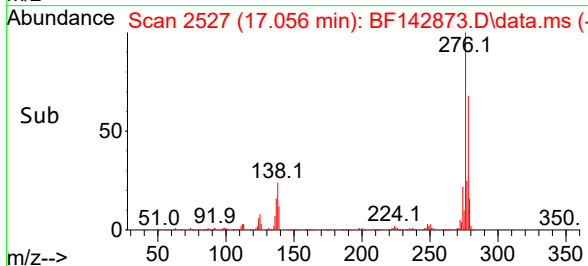
Instrument :
BNA_F
ClientSampleId :
MH-G/HMSD



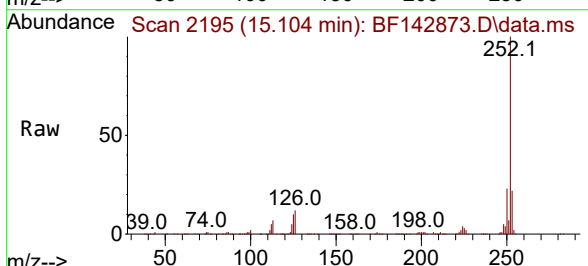
Tgt Ion:276 Resp: 414638
Ion Ratio Lower Upper
276 100
138 24.3 20.2 30.4
277 25.2 19.8 29.6

Manual Integrations
APPROVED

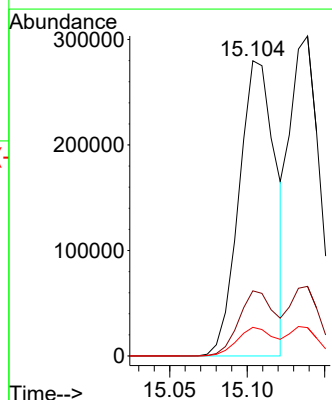
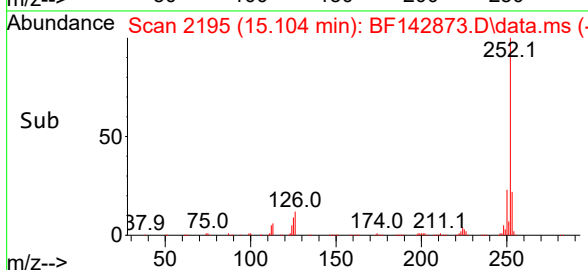
Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025

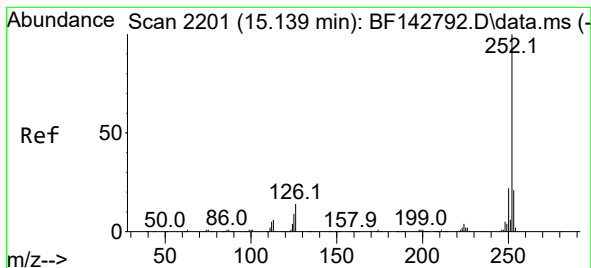


#88
Benzo(b)fluoranthene
Concen: 47.378 ng
RT: 15.104 min Scan# 2195
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36



Tgt Ion:252 Resp: 457199
Ion Ratio Lower Upper
252 100
253 22.0 17.5 26.3
125 9.7 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 45.079 ng

RT: 15.139 min Scan# 21

Delta R.T. 0.000 min

Lab File: BF142873.D

Acq: 26 Jun 2025 17:36

Instrument :

BNA_F

ClientSampleId :

MH-G/HMSD

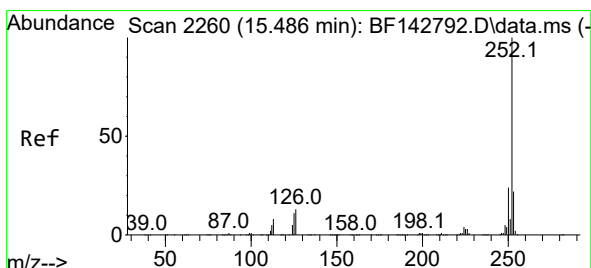
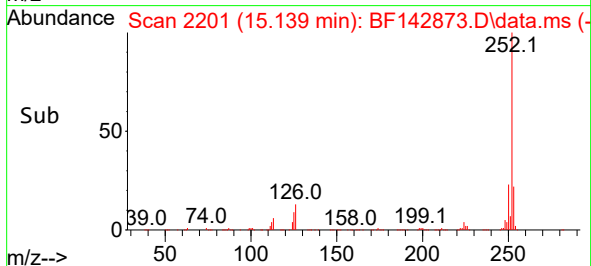
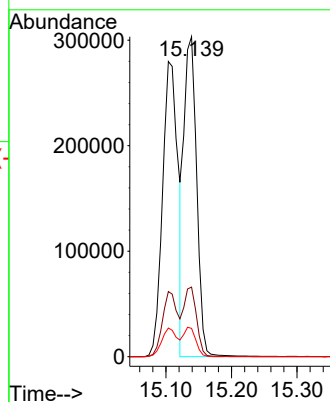
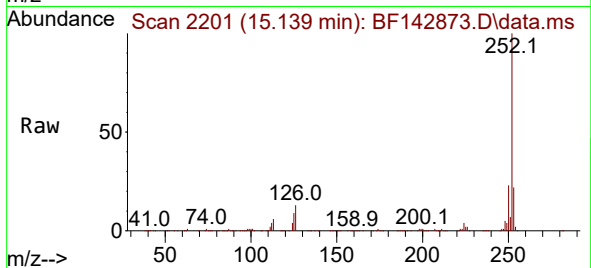
Tgt Ion:252 Resp: 40699
 Ion Ratio Lower Upper
 252 100
 253 21.8 17.2 25.8
 125 8.8 7.4 11.2

Manual Integrations

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Reviewed By :Rahul Chavli 06/27/2025

Supervised By :Jagrut Upadhyay 06/27/2025



#90

Benzo(a)pyrene

Concen: 45.192 ng

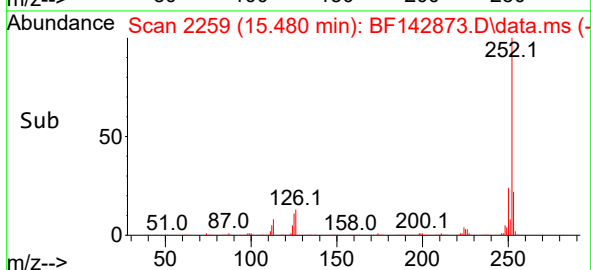
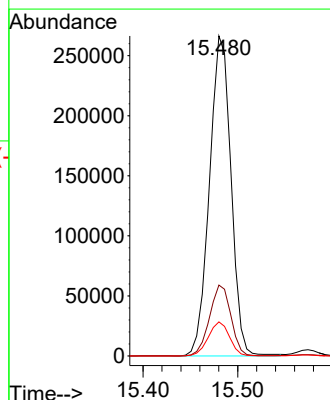
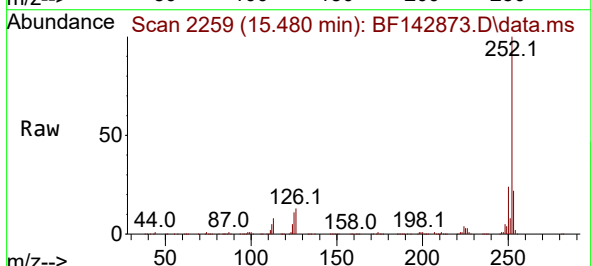
RT: 15.480 min Scan# 2259

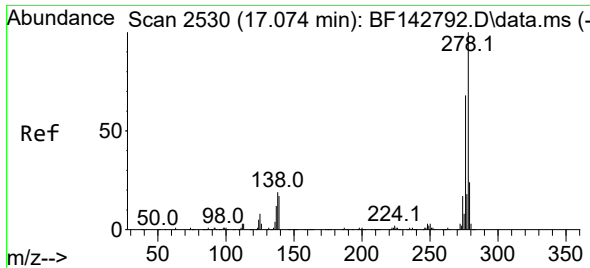
Delta R.T. -0.006 min

Lab File: BF142873.D

Acq: 26 Jun 2025 17:36

Tgt Ion:252 Resp: 421307
 Ion Ratio Lower Upper
 252 100
 253 22.1 17.5 26.3
 125 10.7 8.6 12.8





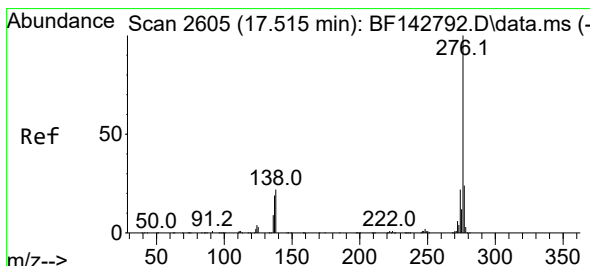
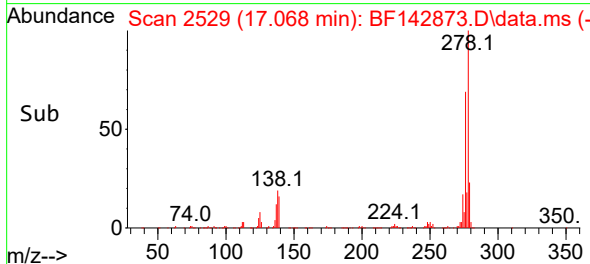
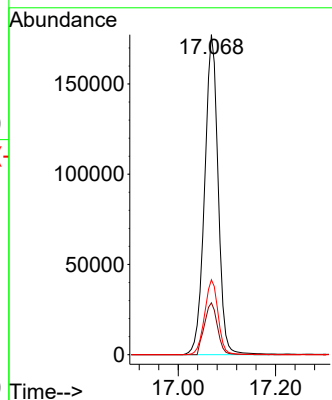
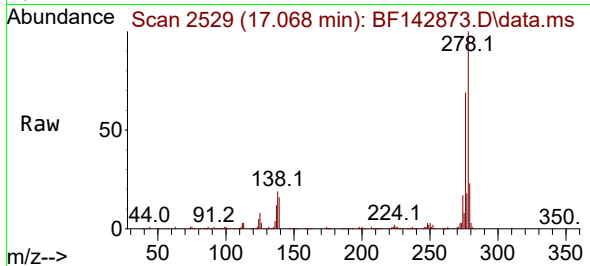
#91
Dibenzo(a,h)anthracene
Concen: 32.976 ng
RT: 17.068 min Scan# 21
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

Instrument :
BNA_F
ClientSampleId :
MH-G/HMSD

Tgt Ion:278 Resp: 34035
Ion Ratio Lower Upper
278 100
139 16.2 13.5 20.3
279 23.4 18.8 28.2

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 06/27/2025
Supervised By :Jagrut Upadhyay 06/27/2025



#92
Benzo(g,h,i)perylene
Concen: 29.447 ng
RT: 17.509 min Scan# 2604
Delta R.T. -0.006 min
Lab File: BF142873.D
Acq: 26 Jun 2025 17:36

Tgt Ion:276 Resp: 303068
Ion Ratio Lower Upper
276 100
277 22.9 18.8 28.2
138 20.6 17.6 26.4

