

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF082025\
 Data File : BF143501.D
 Acq On : 20 Aug 2025 23:32
 Operator : RC/JU
 Sample : PB169223BSD
 Misc :
 ALS Vial : 25 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB169223BSD

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 08/21/2025
 Supervised By :Jagrut Upadhyay 08/21/2025

Quant Time: Aug 21 06:45:38 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF082025.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Aug 21 06:12:21 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.928	152	120429	20.000	ng	0.00
21) Naphthalene-d8	8.210	136	465856	20.000	ng	0.00
39) Acenaphthene-d10	9.969	164	252664	20.000	ng	0.00
64) Phenanthrene-d10	11.451	188	388075	20.000	ng	0.00
76) Chrysene-d12	14.098	240	209415	20.000	ng	0.00
86) Perylene-d12	15.592	264	232706	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.575	112	874783	126.839	ng	0.01
7) Phenol-d6	6.563	99	1084783	127.416	ng	-0.01
23) Nitrobenzene-d5	7.487	82	728662	91.275	ng	-0.01
42) 2,4,6-Tribromophenol	10.757	330	313012	133.087	ng	0.00
45) 2-Fluorobiphenyl	9.287	172	1343491	87.878	ng	0.00
79) Terphenyl-d14	13.033	244	1153127	96.089	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.846	88	123360	38.611	ng	98
3) Pyridine	3.605	79	337730	39.688	ng	98
4) n-Nitrosodimethylamine	3.546	42	188955	49.395	ng	95
6) Aniline	6.593	93	413568	36.342	ng	97
8) 2-Chlorophenol	6.716	128	352532	46.278	ng	99
9) Benzaldehyde	6.475	77	195366	28.343	ng	96
10) Phenol	6.581	94	441061	44.970	ng	99
11) bis(2-Chloroethyl)ether	6.657	93	339210	46.282	ng	99
12) 1,3-Dichlorobenzene	6.869	146	401016	46.853	ng	100
13) 1,4-Dichlorobenzene	6.946	146	403693	47.020	ng	99
14) 1,2-Dichlorobenzene	7.098	146	380734	46.838	ng	99
15) Benzyl Alcohol	7.069	79	305955	47.999	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.198	45	557883	47.578	ng	100
17) 2-Methylphenol	7.181	107	290520	47.518	ng	96
18) Hexachloroethane	7.440	117	135315	46.355	ng	97
19) n-Nitroso-di-n-propyla...	7.340	70	247579	47.577	ng	100
20) 3+4-Methylphenols	7.334	107	340476	46.650	ng	99
22) Acetophenone	7.334	105	474812	47.177	ng	99
24) Nitrobenzene	7.504	77	381475	46.428	ng	99
25) Isophorone	7.745	82	692618	47.330	ng	99
26) 2-Nitrophenol	7.822	139	193155	47.991	ng	97
27) 2,4-Dimethylphenol	7.863	122	304721	48.568	ng	98
28) bis(2-Chloroethoxy)met...	7.951	93	416616	46.325	ng	99
29) 2,4-Dichlorophenol	8.069	162	303555	45.302	ng	99
30) 1,2,4-Trichlorobenzene	8.151	180	327949	47.602	ng	100
31) Naphthalene	8.234	128	1009614	45.141	ng	100
32) Benzoic acid	7.993	122	155257	44.087	ng	98
33) 4-Chloroaniline	8.275	127	200975	25.318	ng	99
34) Hexachlorobutadiene	8.351	225	206996	46.053	ng	99
35) Caprolactam	8.645	113	86016m	53.495	ng	
36) 4-Chloro-3-methylphenol	8.763	107	311458	46.382	ng	98
37) 2-Methylnaphthalene	8.922	142	612085	40.976	ng	100
38) 1-Methylnaphthalene	9.022	142	627504	43.916	ng	100
40) 1,2,4,5-Tetrachloroben...	9.092	216	324443	44.892	ng	99
41) Hexachlorocyclopentadiene	9.081	237	322174	111.931	ng	99
43) 2,4,6-Trichlorophenol	9.204	196	206865	46.517	ng	100

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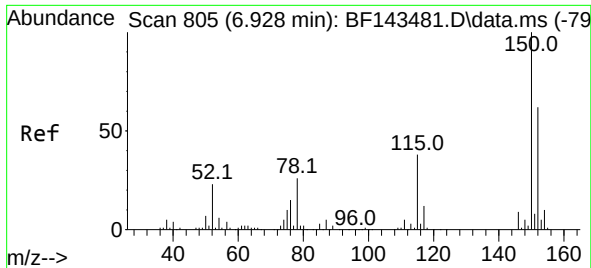
Manual Integrations
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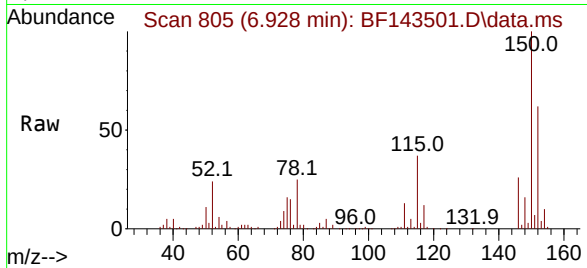
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.245	196	220012	45.292	ng	99
46) 1,1'-Biphenyl	9.387	154	828011	46.171	ng	99
47) 2-Chloronaphthalene	9.410	162	641503	45.590	ng	99
48) 2-Nitroaniline	9.504	65	200435	48.672	ng	100
49) Acenaphthylene	9.828	152	1026638	50.955	ng	100
50) Dimethylphthalate	9.687	163	736986	48.431	ng	100
51) 2,6-Dinitrotoluene	9.745	165	162742	51.601	ng	99
52) Acenaphthene	9.998	154	670314	49.001	ng	99
53) 3-Nitroaniline	9.916	138	114039	33.463	ng	100
54) 2,4-Dinitrophenol	10.028	184	140919	83.316	ng	97
55) Dibenzofuran	10.175	168	893197	45.798	ng	99
56) 4-Nitrophenol	10.086	139	199779	98.523	ng	95
57) 2,4-Dinitrotoluene	10.151	165	215851	51.256	ng	96
58) Fluorene	10.516	166	686867	45.759	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.292	232	191525	53.070	ng	98
60) Diethylphthalate	10.381	149	679159	49.780	ng	100
61) 4-Chlorophenyl-phenyle...	10.504	204	346760	46.191	ng	99
62) 4-Nitroaniline	10.534	138	150552	48.096	ng	96
63) Azobenzene	10.663	77	688349	48.659	ng	99
65) 4,6-Dinitro-2-methylph...	10.563	198	107871	49.298	ng	96
66) n-Nitrosodiphenylamine	10.622	169	600099	48.050	ng	99
67) 4-Bromophenyl-phenylether	10.992	248	218272	47.139	ng	96
68) Hexachlorobenzene	11.069	284	234745	47.032	ng	99
69) Atrazine	11.145	200	170052	52.748	ng	98
70) Pentachlorophenol	11.263	266	224077	98.027	ng	99
71) Phenanthrene	11.481	178	966905	46.526	ng	100
72) Anthracene	11.533	178	995006	47.262	ng	100
73) Carbazole	11.681	167	810034	46.956	ng	99
74) Di-n-butylphthalate	12.010	149	843046	52.386	ng	100
75) Fluoranthene	12.669	202	850946	45.633	ng	99
77) Benzidine	12.786	184	211509	41.464	ng	99
78) Pyrene	12.898	202	836842	48.580	ng	99
80) Butylbenzylphthalate	13.510	149	241965	51.418	ng	99
81) Benzo(a)anthracene	14.086	228	639057	47.400	ng	100
82) 3,3'-Dichlorobenzidine	14.045	252	121546	31.480	ng	98
83) Chrysene	14.122	228	583865	48.189	ng	100
84) Bis(2-ethylhexyl)phtha...	14.069	149	352942	49.243	ng	100
85) Di-n-octyl phthalate	14.680	149	658652	49.606	ng	100
87) Indeno(1,2,3-cd)pyrene	17.127	276	843139	50.420	ng	100
88) Benzo(b)fluoranthene	15.157	252	647733	50.075	ng	99
89) Benzo(k)fluoranthene	15.186	252	617926	49.893	ng	99
90) Benzo(a)pyrene	15.533	252	622315	51.830	ng	99
91) Dibenzo(a,h)anthracene	17.139	278	692517	51.709	ng	99
92) Benzo(g,h,i)perylene	17.592	276	692232	51.981	ng	100

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



#1
 1,4-Dichlorobenzene-d4
 Concen: 20.000 ng
 RT: 6.928 min Scan# 805
 Delta R.T. -0.000 min
 Lab File: BF143501.D
 Acq: 20 Aug 2025 23:32

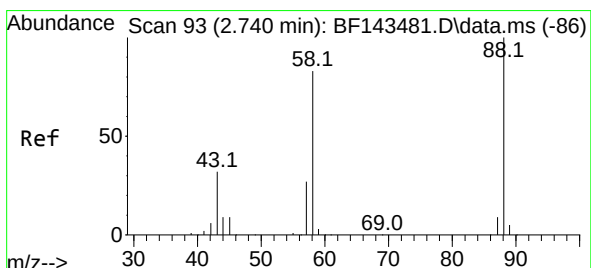
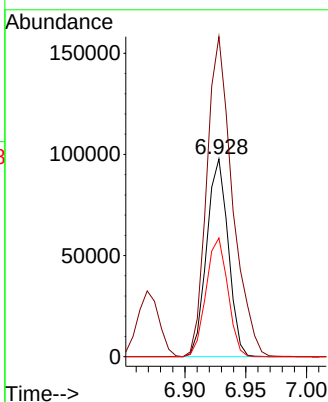
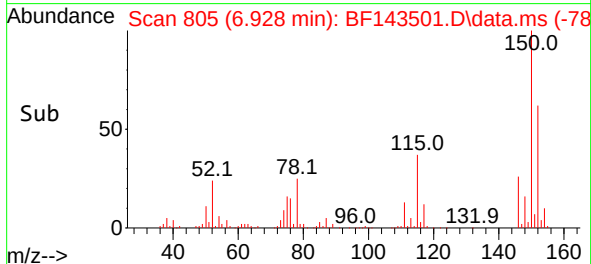
Instrument :
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Tgt Ion: 152 Resp: 120429
 Ion Ratio Lower Upper
 152 100
 150 161.8 128.9 193.3
 115 60.1 49.2 73.8

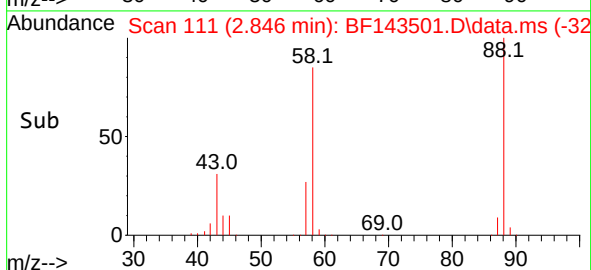
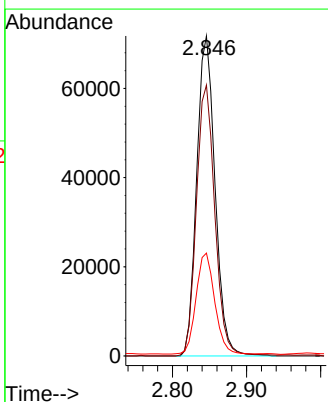
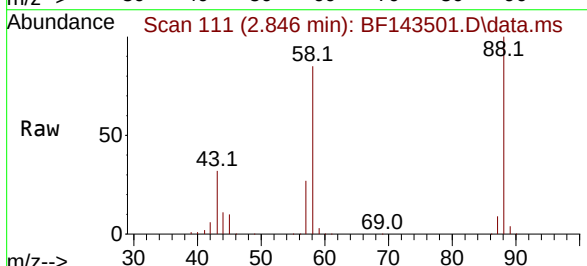
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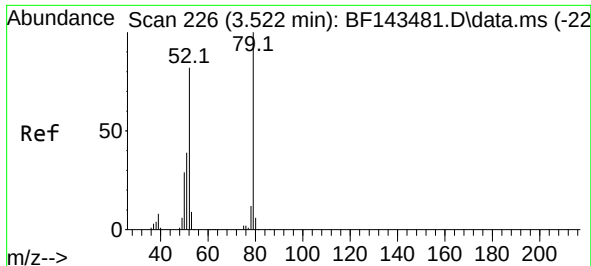
Reviewed By :Rahul Chavli 08/21/2025
 Supervised By :Jagrut Upadhyay 08/21/2025



#2
 1,4-Dioxane
 Concen: 38.611 ng
 RT: 2.846 min Scan# 111
 Delta R.T. 0.112 min
 Lab File: BF143501.D
 Acq: 20 Aug 2025 23:32

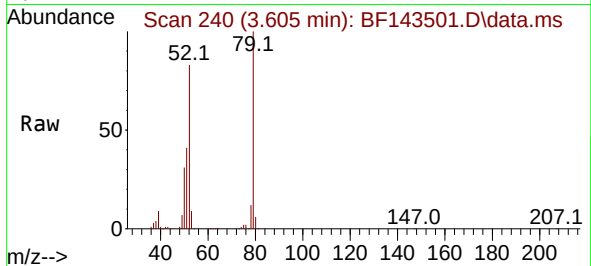
Tgt Ion: 88 Resp: 123360
 Ion Ratio Lower Upper
 88 100
 58 85.4 66.7 100.1
 43 32.1 25.8 38.8





#3
Pyridine
Concen: 39.688 ng
RT: 3.605 min Scan# 24
Delta R.T. 0.088 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

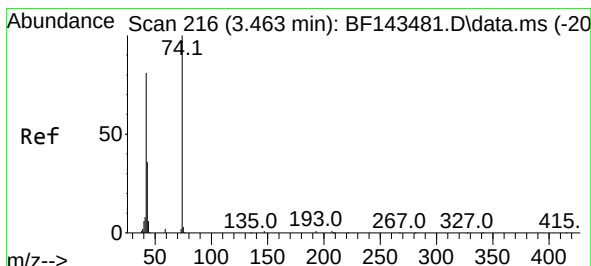
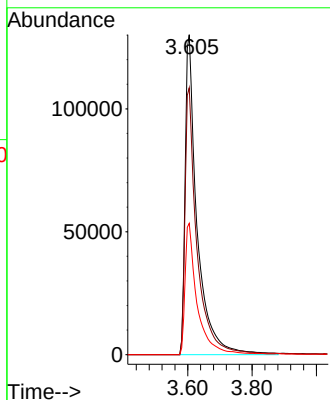
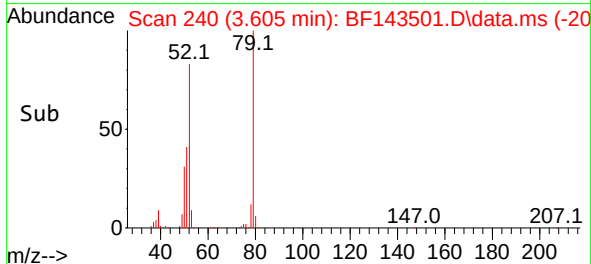
Instrument :
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PB169223BSD



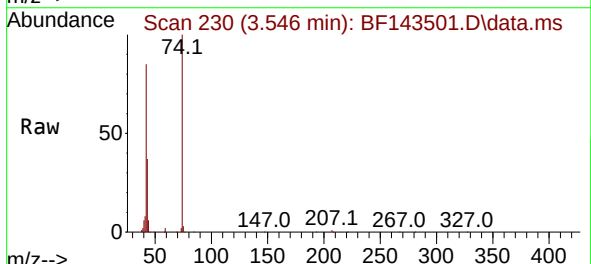
Tgt Ion: 79 Resp: 337730
Ion Ratio Lower Upper
79 100
52 83.4 65.6 98.4
51 41.1 31.2 46.8

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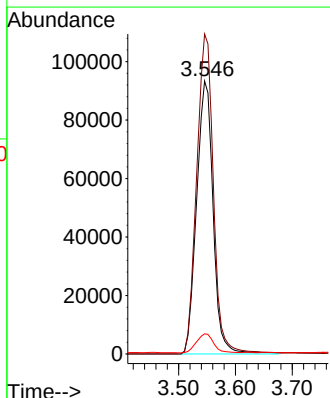
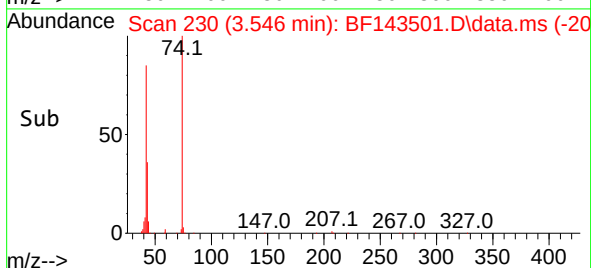
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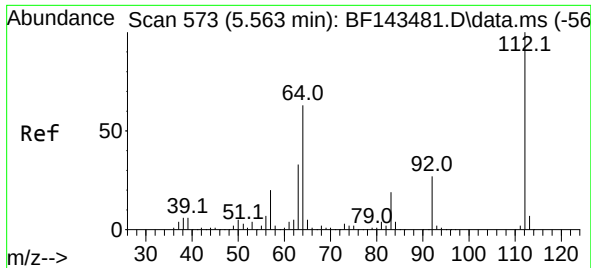


#4
n-Nitrosodimethylamine
Concen: 49.395 ng
RT: 3.546 min Scan# 230
Delta R.T. 0.071 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



Tgt Ion: 42 Resp: 188955
Ion Ratio Lower Upper
42 100
74 117.2 98.6 148.0
44 7.4 5.8 8.8





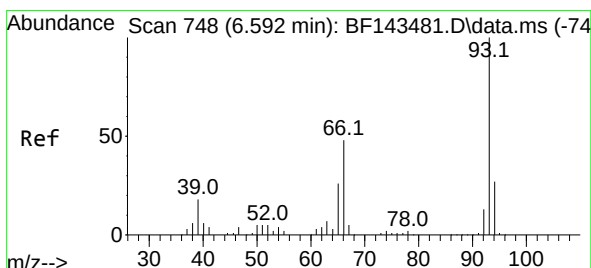
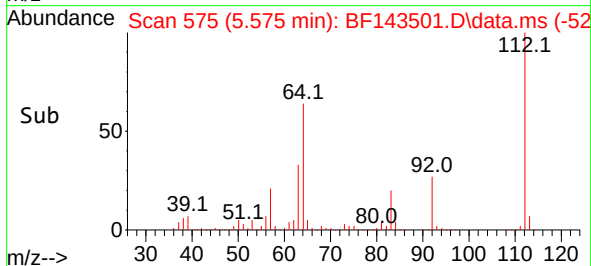
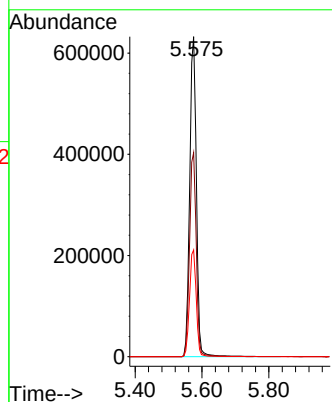
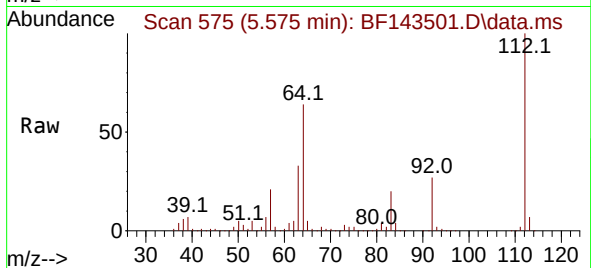
#5
2-Fluorophenol
Concen: 126.839 ng
RT: 5.575 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Instrument :
BNA_F
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PB169223BSD

Tgt Ion:112 Resp: 87478
Ion Ratio Lower Upper
112 100
64 63.8 50.4 75.6
63 33.4 26.4 39.6

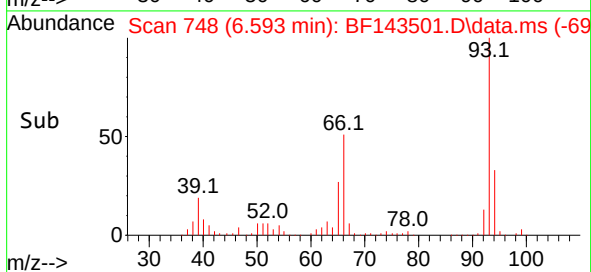
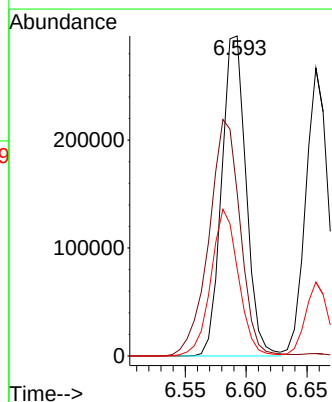
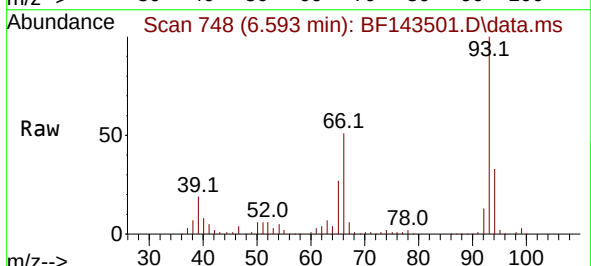
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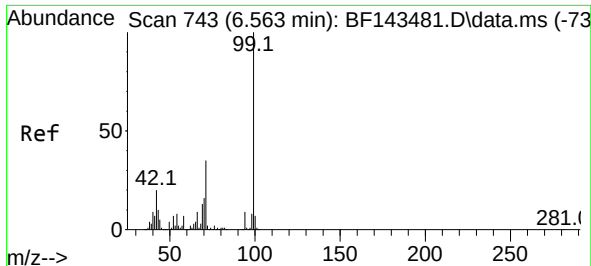
Reviewed By :Rahul Chavli 08/21/2025
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#6
Aniline
Concen: 36.342 ng
RT: 6.593 min Scan# 748
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

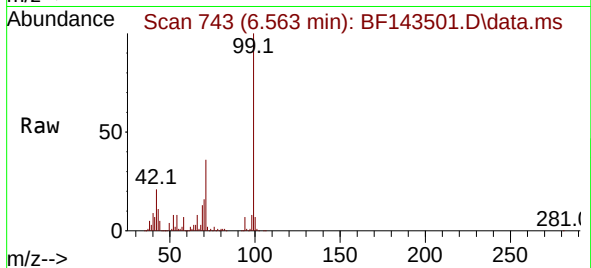
Tgt Ion: 93 Resp: 413568
Ion Ratio Lower Upper
93 100
66 51.0 38.9 58.3
65 27.3 20.6 30.8





#7
Phenol-d6
Concen: 127.416 ng
RT: 6.563 min Scan# 743
Delta R.T. -0.012 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

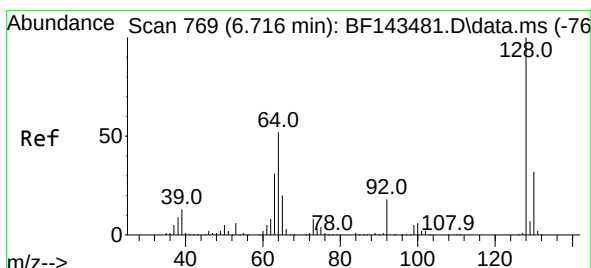
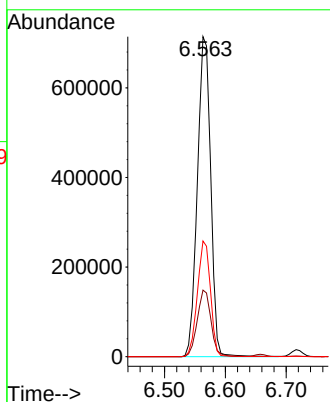
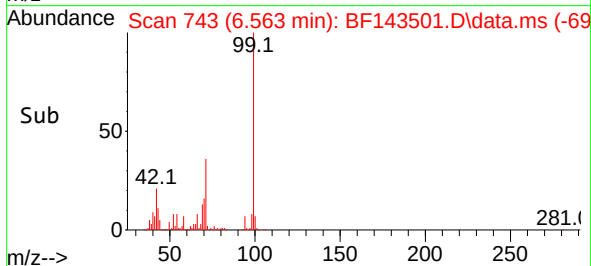
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



Tgt Ion: 99 Resp: 108478
Ion Ratio Lower Upper
99 100
42 20.8 16.3 24.5
71 36.1 28.2 42.2

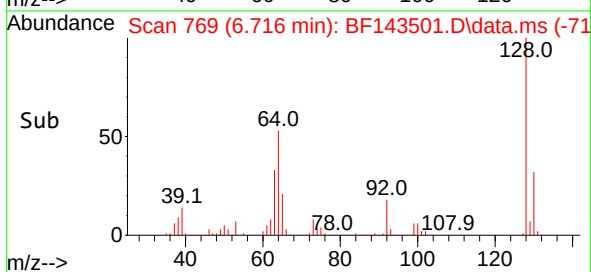
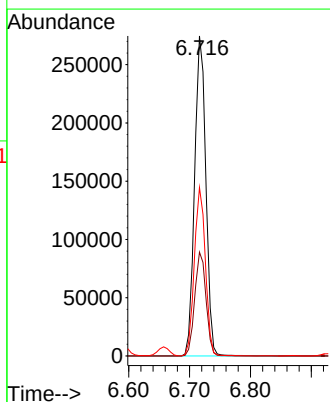
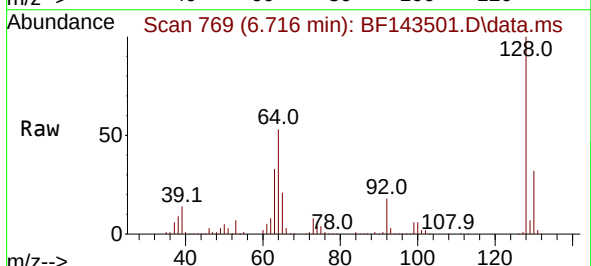
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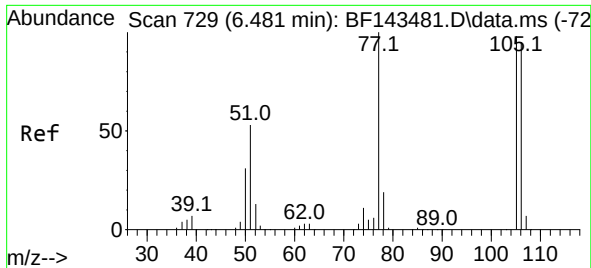
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#8
2-Chlorophenol
Concen: 46.278 ng
RT: 6.716 min Scan# 769
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Tgt Ion:128 Resp: 352532
Ion Ratio Lower Upper
128 100
130 32.4 12.4 52.4
64 52.6 31.6 71.6





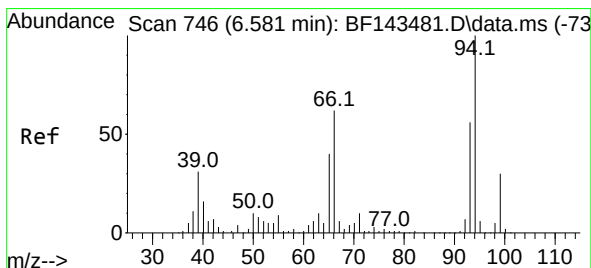
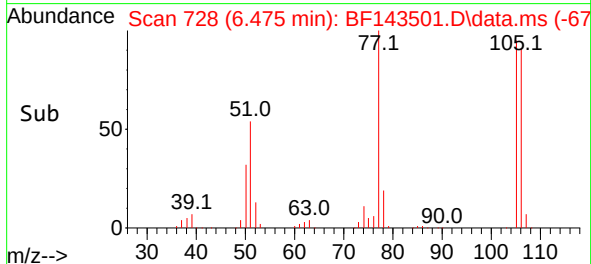
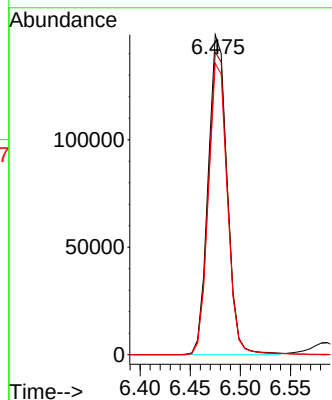
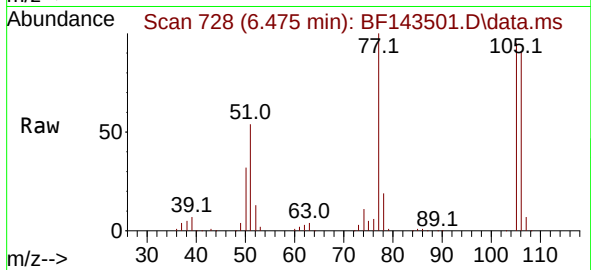
#9
Benzaldehyde
Concen: 28.343 ng
RT: 6.475 min Scan# 71
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Instrument :
BNA_F
ClientSampleId :
PB169223BSD

Tgt Ion: 77 Resp: 195360
Ion Ratio Lower Upper
77 100
105 94.5 78.1 118.1
106 91.1 74.9 114.9

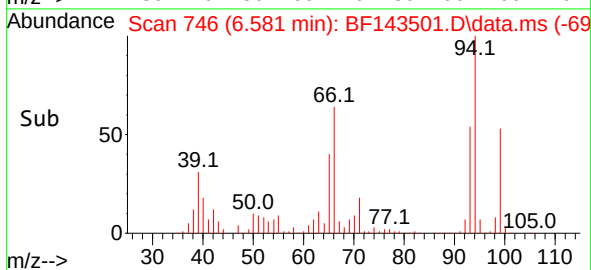
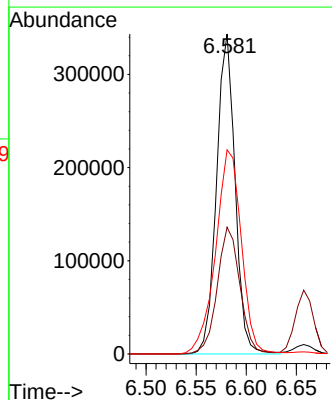
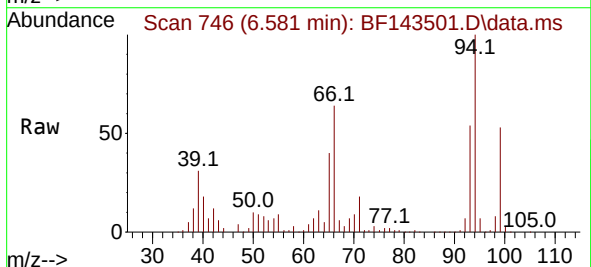
Manual Integrations
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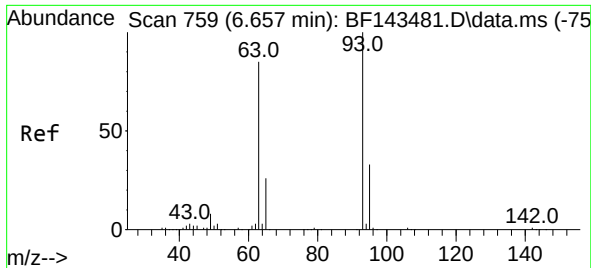
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#10
Phenol
Concen: 44.970 ng
RT: 6.581 min Scan# 746
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

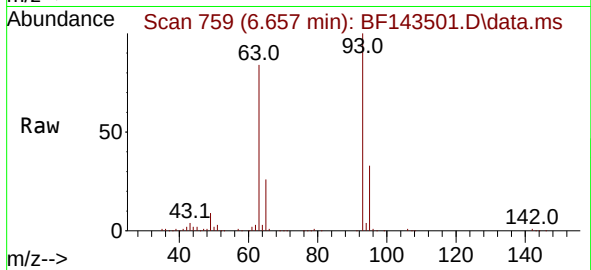
Tgt Ion: 94 Resp: 441061
Ion Ratio Lower Upper
94 100
65 39.6 19.5 59.5
66 63.8 42.5 82.5





#11
bis(2-Chloroethyl)ether
Concen: 46.282 ng
RT: 6.657 min Scan# 759
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

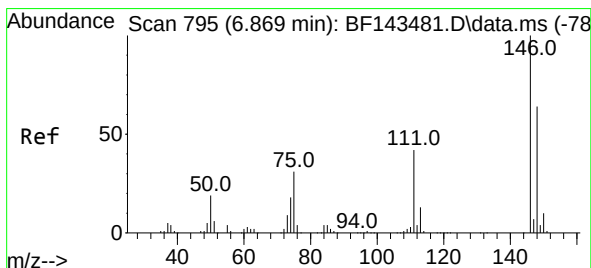
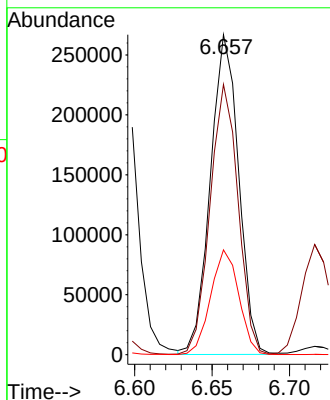
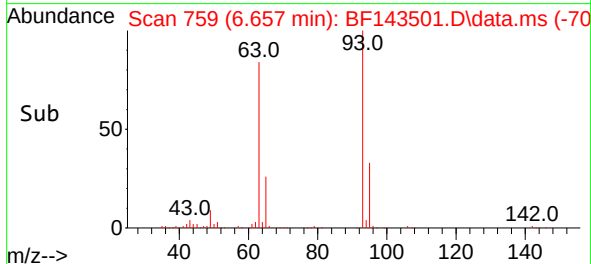
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



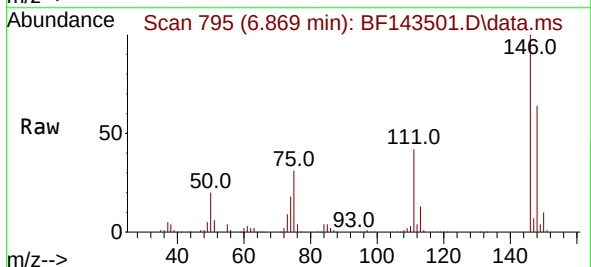
Tgt Ion: 93 Resp: 339210
Ion Ratio Lower Upper
93 100
63 84.4 63.6 103.6
95 32.7 12.8 52.8

Manual Integrations
APPROVED

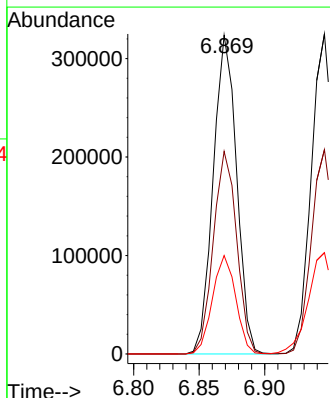
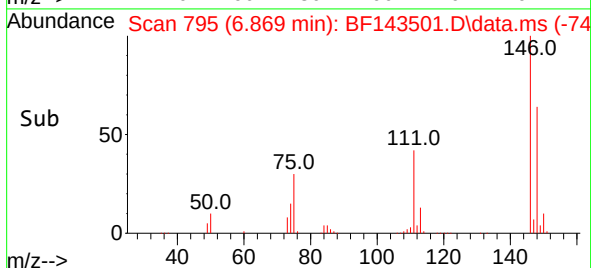
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

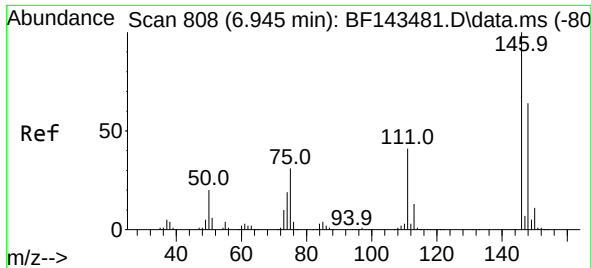


#12
1,3-Dichlorobenzene
Concen: 46.853 ng
RT: 6.869 min Scan# 795
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



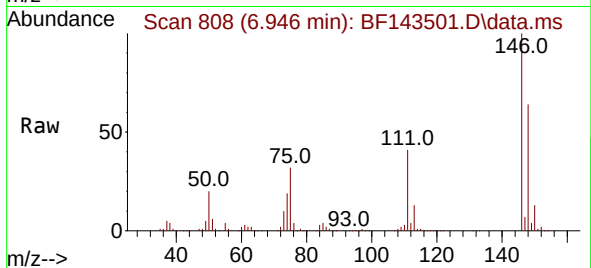
Tgt Ion:146 Resp: 401016
Ion Ratio Lower Upper
146 100
148 63.5 51.3 76.9
75 30.9 24.7 37.1





#13
1,4-Dichlorobenzene
Concen: 47.020 ng
RT: 6.946 min Scan# 808
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

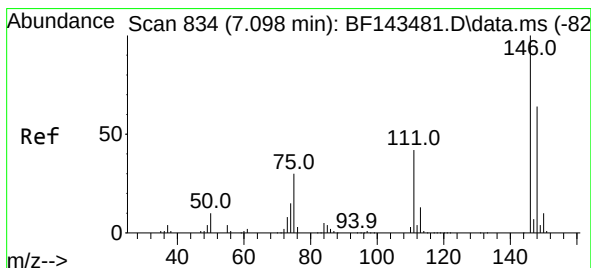
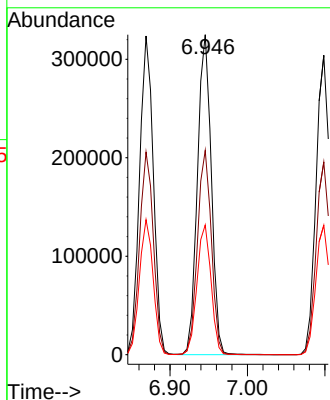
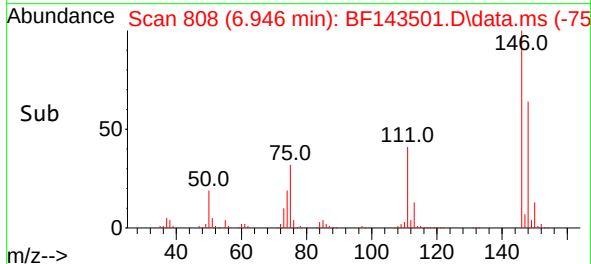
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



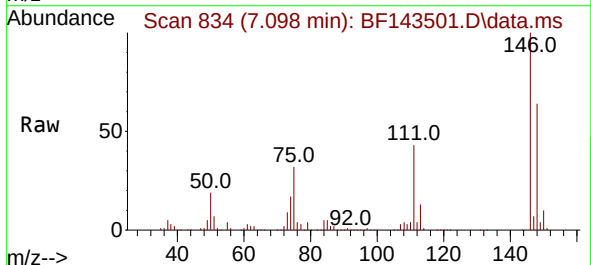
Tgt Ion:146 Resp: 40369
Ion Ratio Lower Upper
146 100
148 63.8 51.5 77.3
111 40.6 32.6 49.0

Manual Integrations
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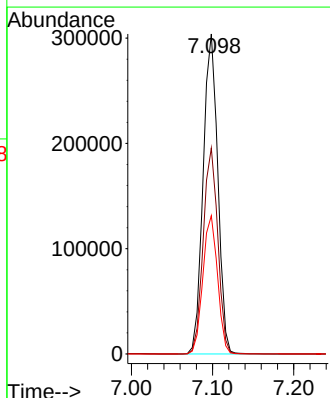
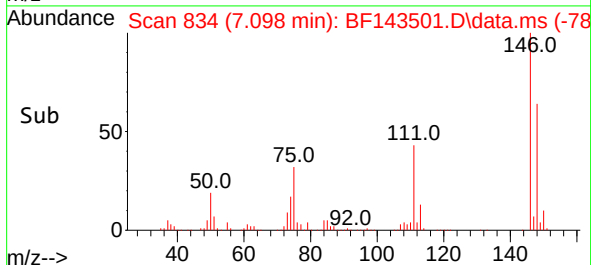
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

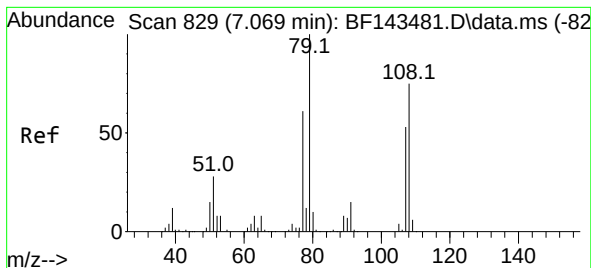


#14
1,2-Dichlorobenzene
Concen: 46.838 ng
RT: 7.098 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



Tgt Ion:146 Resp: 380734
Ion Ratio Lower Upper
146 100
148 64.4 51.0 76.6
111 43.2 34.0 51.0





#15

Benzyl Alcohol

Concen: 47.999 ng

RT: 7.069 min Scan# 81

Delta R.T. -0.006 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

Instrument :

BNA_F

ClientSampleId :

PB169223BSD

Tgt Ion: 79 Resp: 30595

Ion Ratio Lower Upper

79 100

108 75.9 59.8 89.6

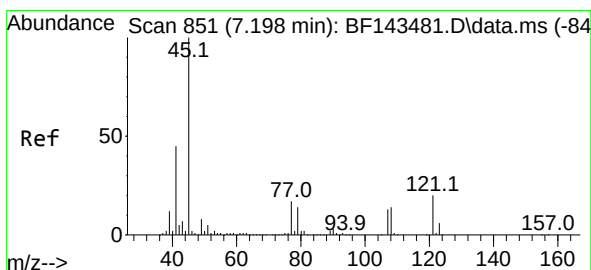
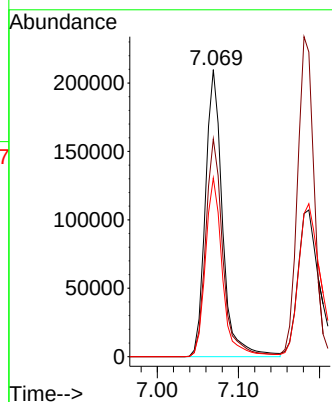
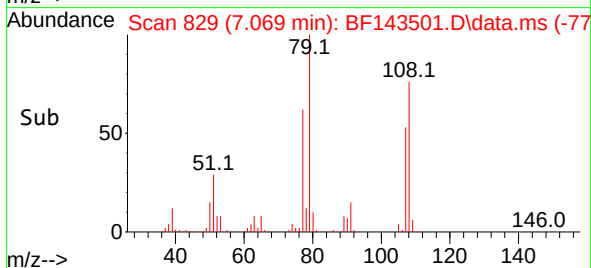
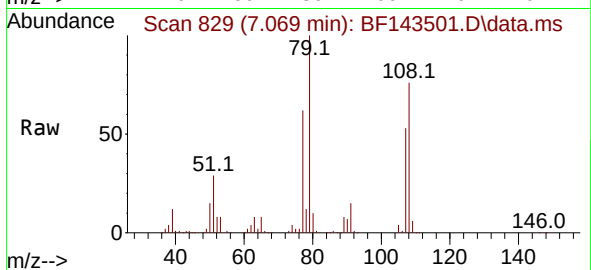
77 62.3 49.0 73.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/21/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#16

2,2'-oxybis(1-Chloropropane)

Concen: 47.578 ng

RT: 7.198 min Scan# 851

Delta R.T. 0.000 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

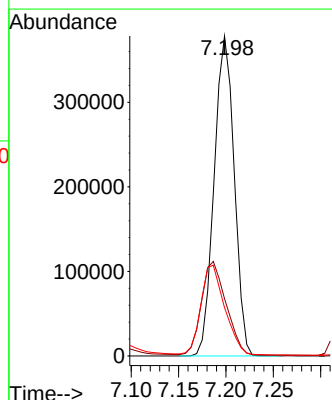
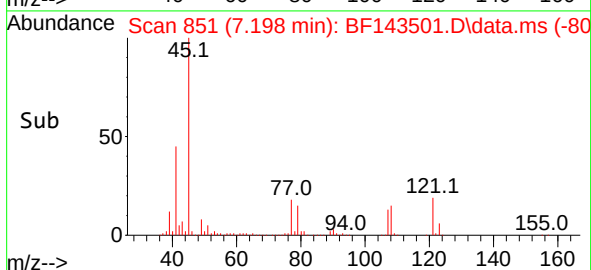
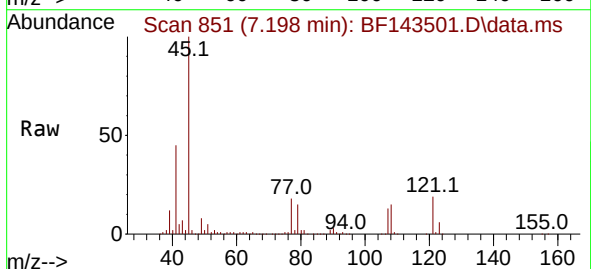
Tgt Ion: 45 Resp: 557883

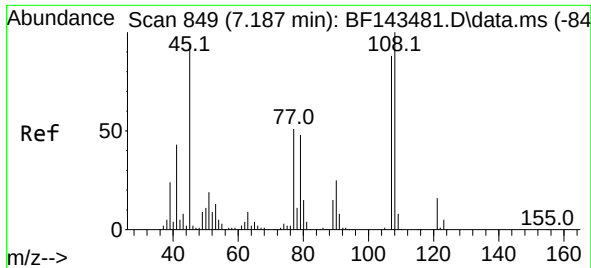
Ion Ratio Lower Upper

45 100

77 17.9 0.0 37.9

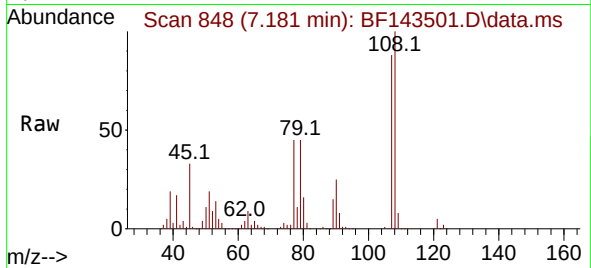
79 15.1 0.0 34.7





#17
2-Methylphenol
Concen: 47.518 ng
RT: 7.181 min Scan# 849
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

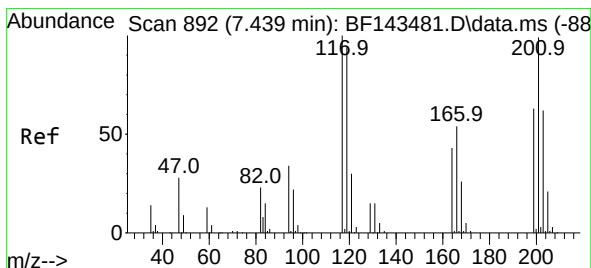
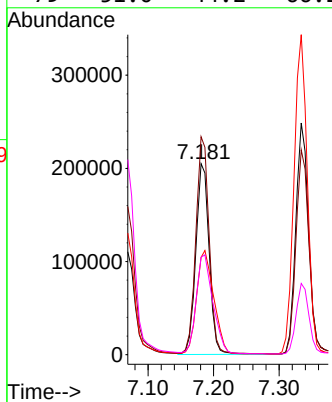
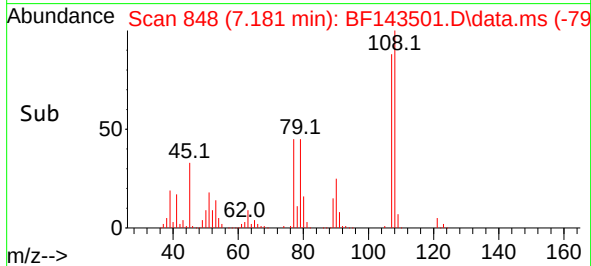
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



Tgt Ion:107 Resp: 290520
Ion Ratio Lower Upper
107 100
108 114.1 91.1 136.7
77 50.9 46.2 69.4
79 51.0 44.2 66.2

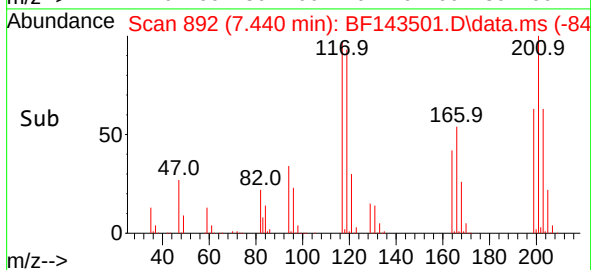
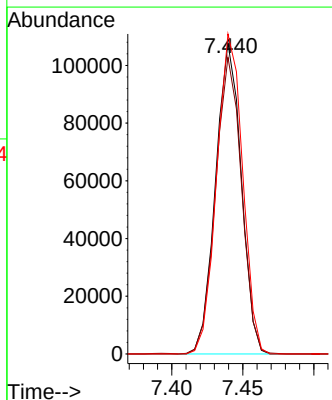
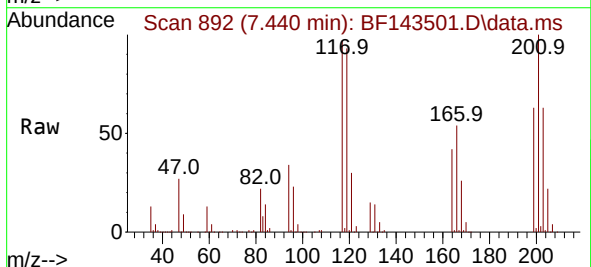
Manual Integrations
APPROVED

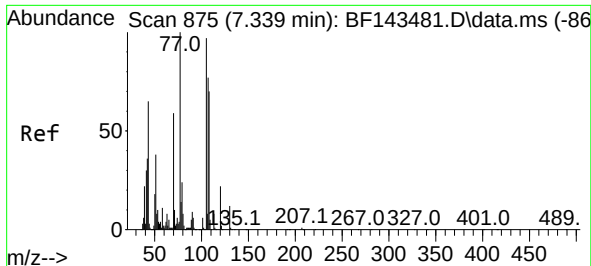
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#18
Hexachloroethane
Concen: 46.355 ng
RT: 7.440 min Scan# 892
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

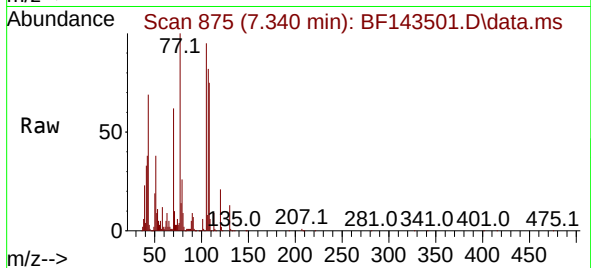
Tgt Ion:117 Resp: 135315
Ion Ratio Lower Upper
117 100
119 95.4 75.4 113.0
201 102.9 79.0 118.4





#19
n-Nitroso-di-n-propylamine
Concen: 47.577 ng
RT: 7.340 min Scan# 81
Delta R.T. -0.012 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

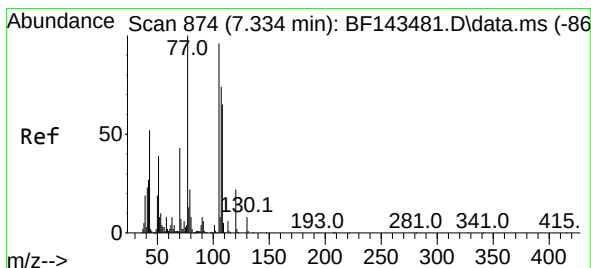
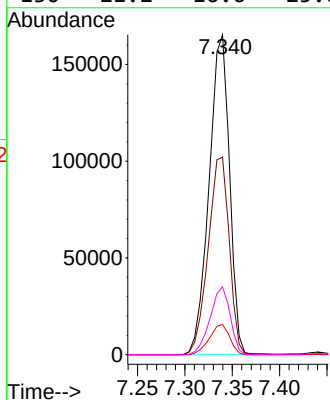
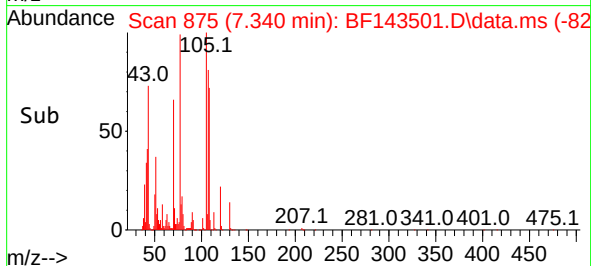
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



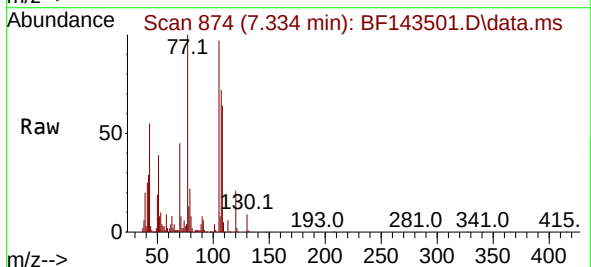
Tgt Ion: 70 Resp: 247579
Ion Ratio Lower Upper
70 100
42 61.7 49.3 73.9
101 9.4 7.8 11.8
130 21.2 16.6 25.0

Manual Integrations
APPROVED

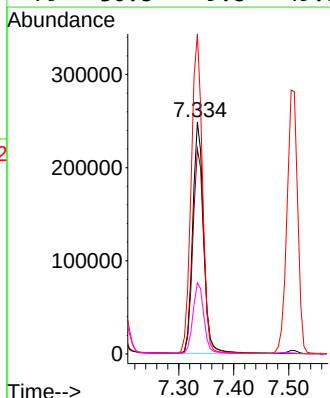
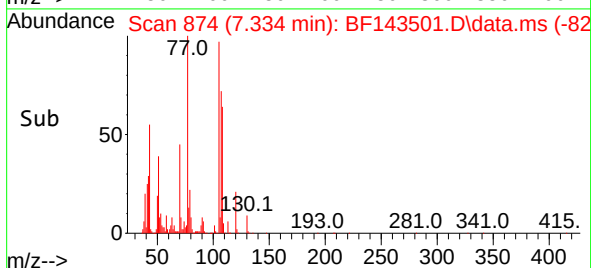
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

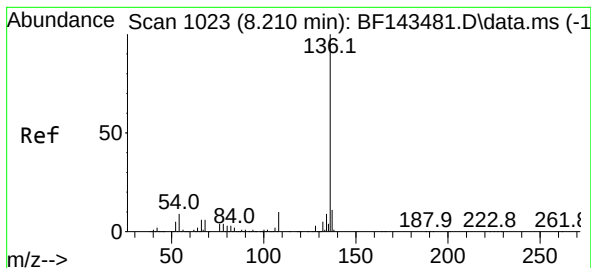


#20
3+4-Methylphenols
Concen: 46.650 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



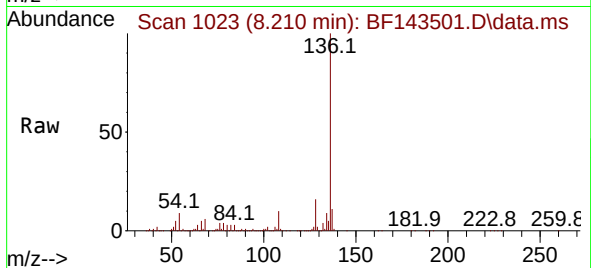
Tgt Ion:107 Resp: 340476
Ion Ratio Lower Upper
107 100
108 88.4 68.4 108.4
77 138.1 116.1 156.1
79 30.8 9.8 49.8





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.210 min Scan# 1023
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

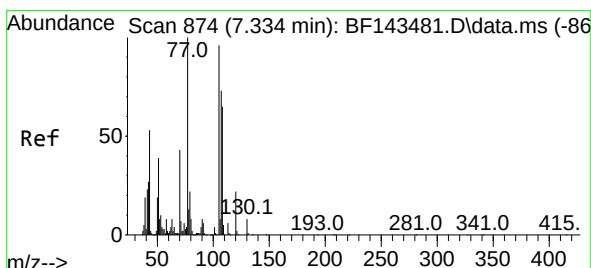
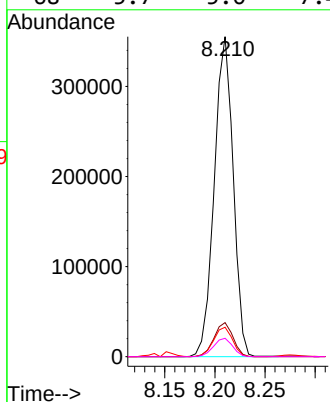
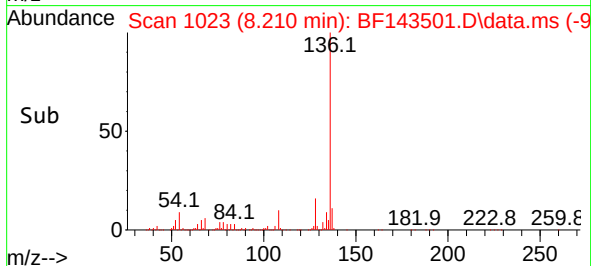
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



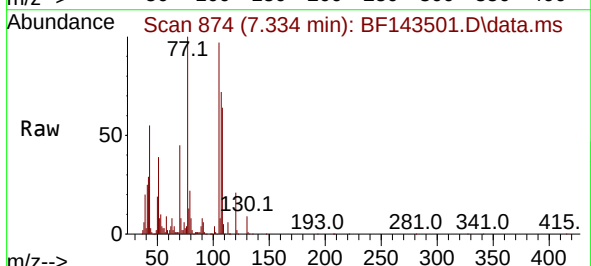
Tgt Ion:136 Resp: 465850
Ion Ratio Lower Upper
136 100
137 10.6 9.0 13.4
54 9.2 7.4 11.2
68 5.7 5.0 7.4

Manual Integrations
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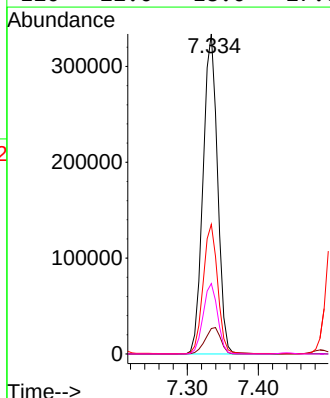
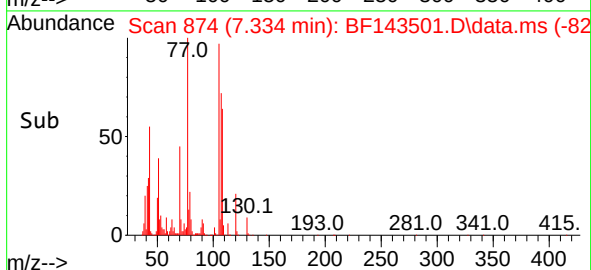
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

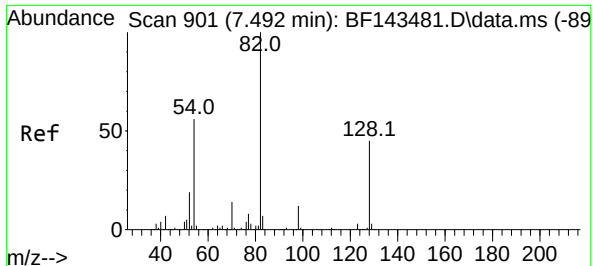


#22
Acetophenone
Concen: 47.177 ng
RT: 7.334 min Scan# 874
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



Tgt Ion:105 Resp: 474812
Ion Ratio Lower Upper
105 100
71 8.0 5.9 8.9
51 40.5 32.5 48.7
120 22.0 18.0 27.0





#23

Nitrobenzene-d5

Concen: 91.275 ng

RT: 7.487 min Scan# 901

Delta R.T. -0.012 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

Instrument :

BNA_F

ClientSampleId :

PB169223BSD

Tgt Ion: 82 Resp: 72866

Ion Ratio Lower Upper

82 100

128 43.6 35.5 53.3

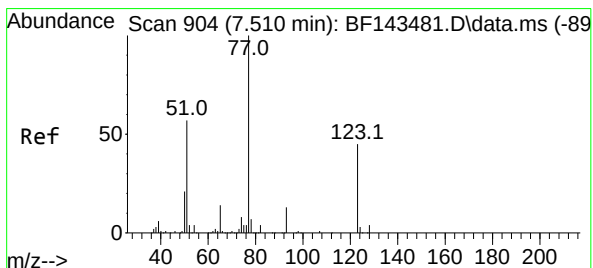
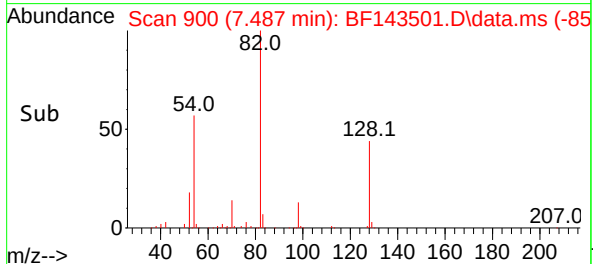
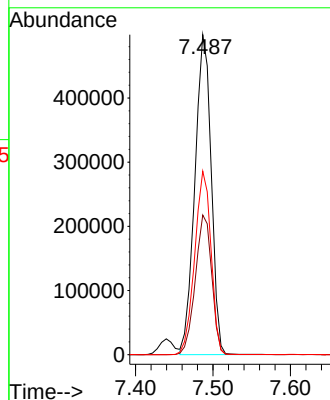
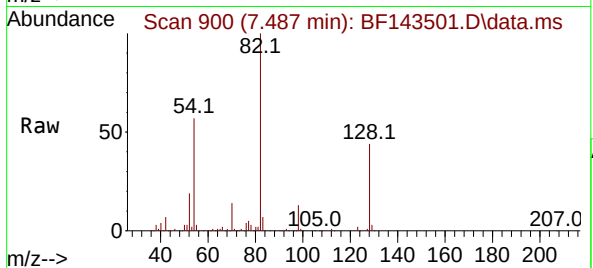
54 57.3 44.3 66.5

Manual Integrations

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Reviewed By :Rahul Chavli 08/21/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#24

Nitrobenzene

Concen: 46.428 ng

RT: 7.504 min Scan# 903

Delta R.T. -0.012 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

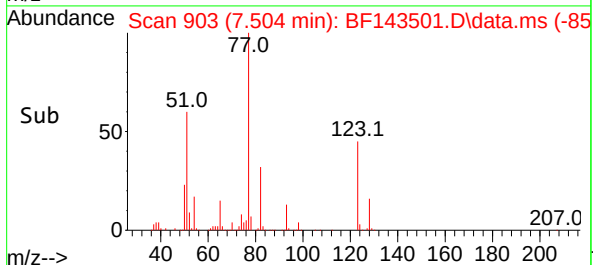
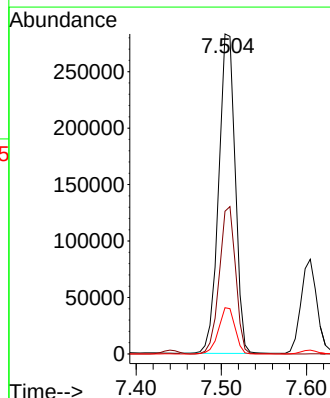
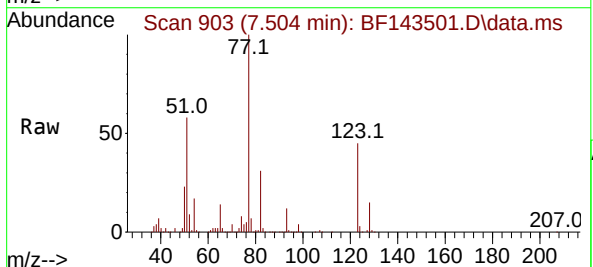
Tgt Ion: 77 Resp: 381475

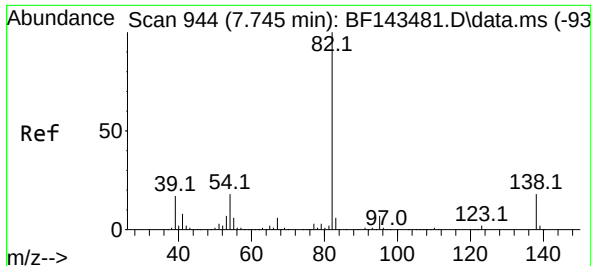
Ion Ratio Lower Upper

77 100

123 44.6 36.1 54.1

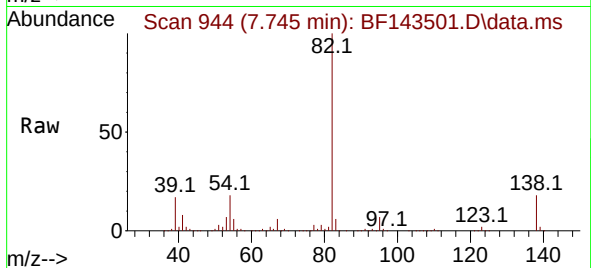
65 14.4 11.0 16.6





#25
Isophorone
Concen: 47.330 ng
RT: 7.745 min Scan# 944
Delta R.T. -0.012 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

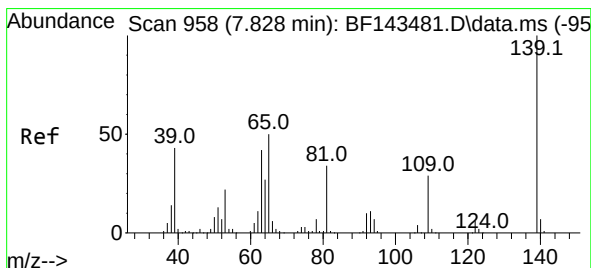
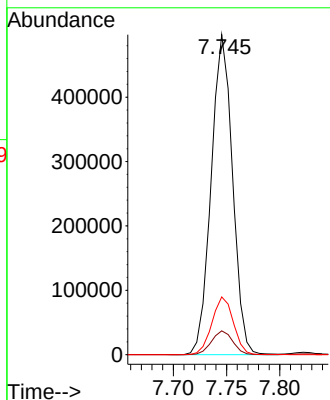
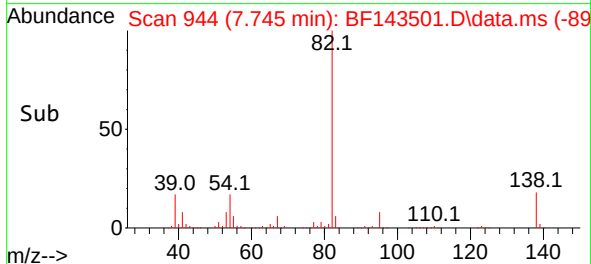
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



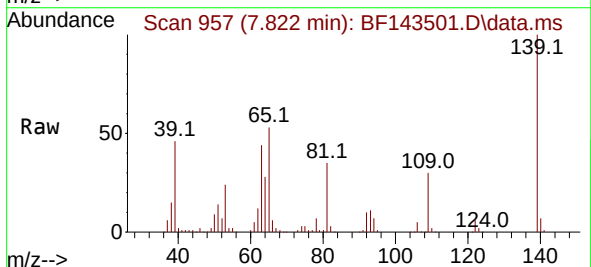
Tgt Ion: 82 Resp: 692618
Ion Ratio Lower Upper
82 100
95 7.5 5.8 8.8
138 18.0 14.2 21.4

Manual Integrations
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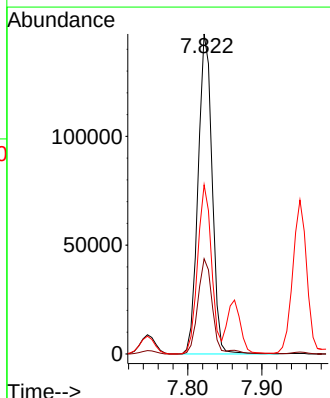
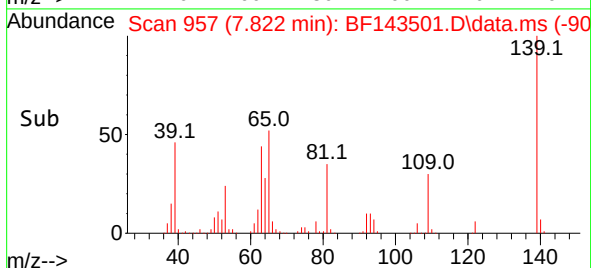
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

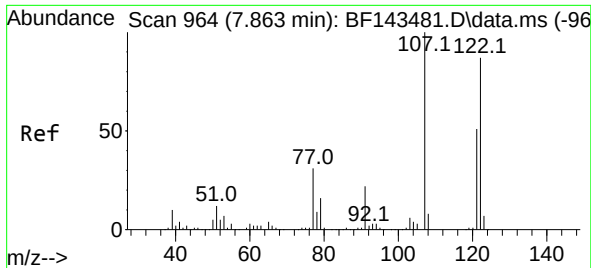


#26
2-Nitrophenol
Concen: 47.991 ng
RT: 7.822 min Scan# 957
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



Tgt Ion:139 Resp: 193155
Ion Ratio Lower Upper
139 100
109 29.8 23.0 34.6
65 52.8 40.3 60.5





#27

2,4-Dimethylphenol

Concen: 48.568 ng

RT: 7.863 min Scan# 90

Delta R.T. -0.006 min

Lab File: BF143501.D

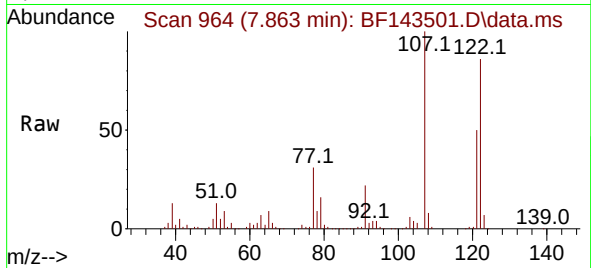
Acq: 20 Aug 2025 23:32

Instrument :

BNA_F

ClientSampleId :

PB169223BSD



Tgt Ion:122 Resp: 30472

Ion Ratio Lower Upper

122 100

107 116.9 91.5 137.3

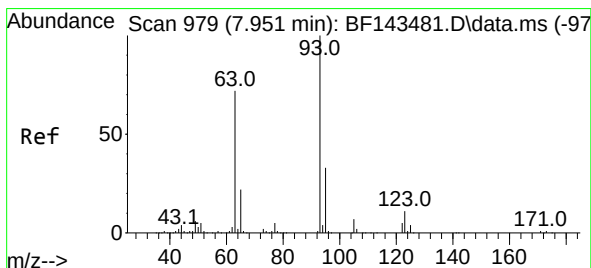
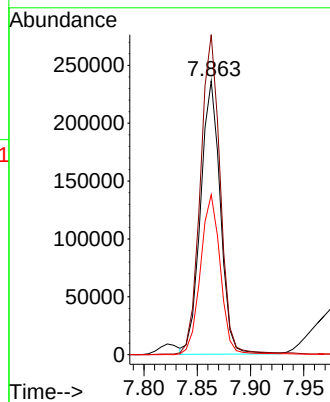
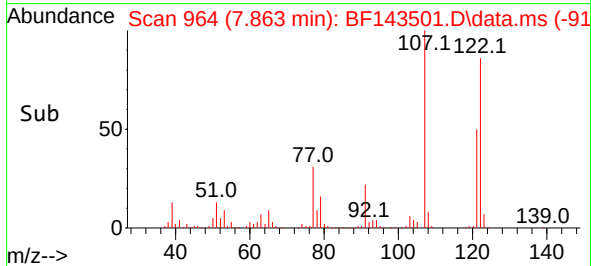
121 58.5 47.0 70.4

Manual Integrations

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Reviewed By :Rahul Chavli 08/21/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#28

bis(2-Chloroethoxy)methane

Concen: 46.325 ng

RT: 7.951 min Scan# 979

Delta R.T. -0.006 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

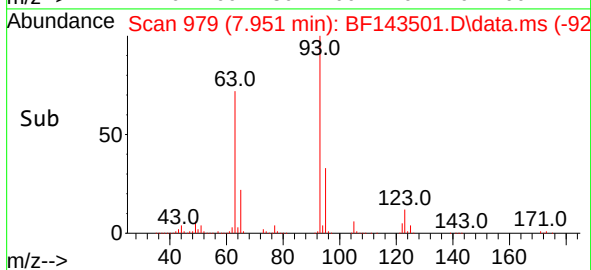
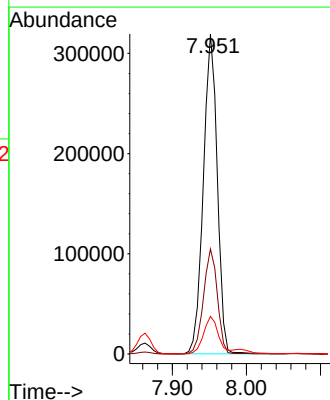
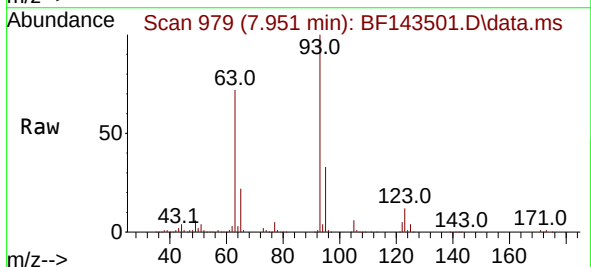
Tgt Ion: 93 Resp: 416616

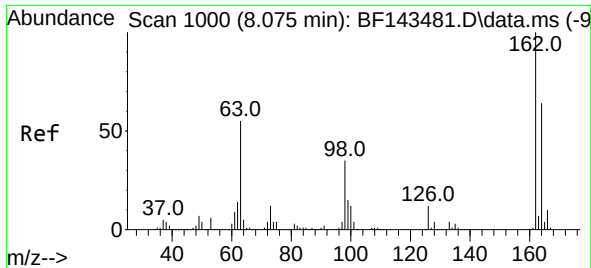
Ion Ratio Lower Upper

93 100

95 32.8 26.0 39.0

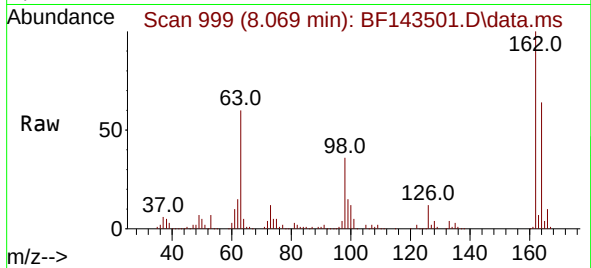
123 11.7 9.1 13.7





#29
2,4-Dichlorophenol
Concen: 45.302 ng
RT: 8.069 min Scan# 999
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

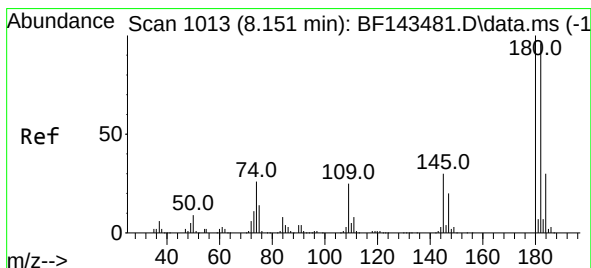
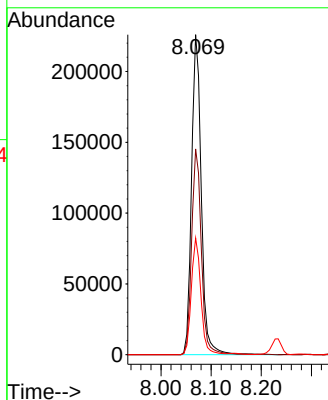
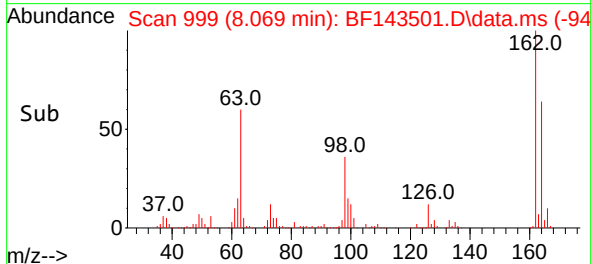
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



Tgt Ion:162 Resp: 30355
Ion Ratio Lower Upper
162 100
164 64.3 43.5 83.5
98 36.4 15.1 55.1

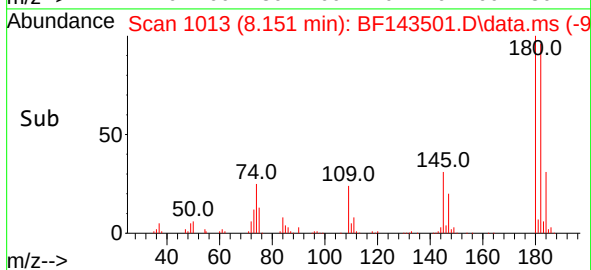
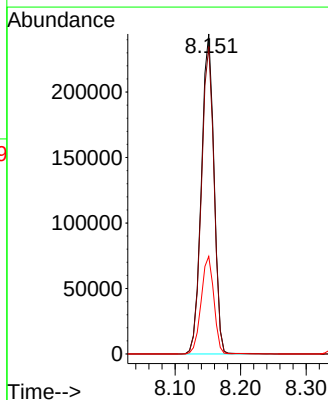
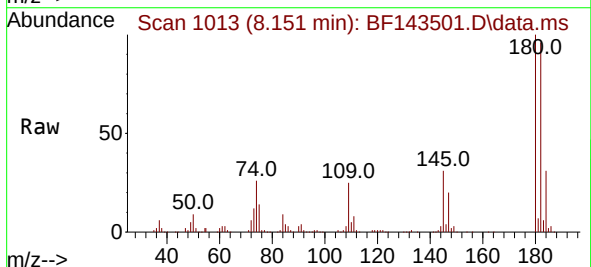
Manual Integrations
APPROVED

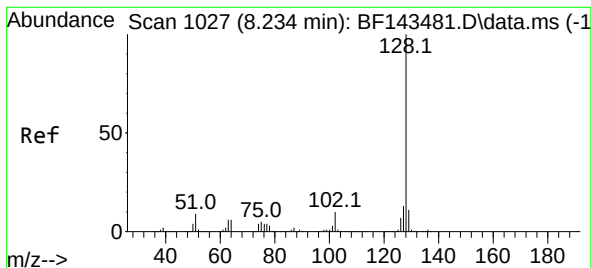
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#30
1,2,4-Trichlorobenzene
Concen: 47.602 ng
RT: 8.151 min Scan# 1013
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

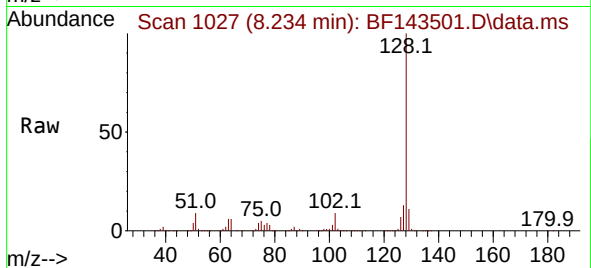
Tgt Ion:180 Resp: 327949
Ion Ratio Lower Upper
180 100
182 96.1 76.6 114.8
145 30.5 24.3 36.5





#31
Naphthalene
Concen: 45.141 ng
RT: 8.234 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

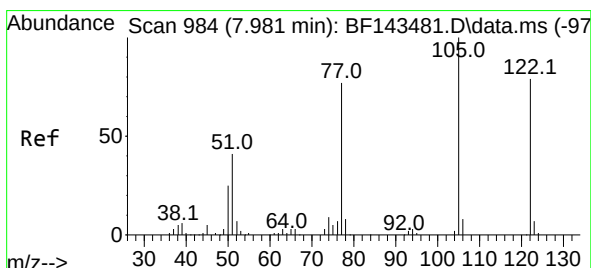
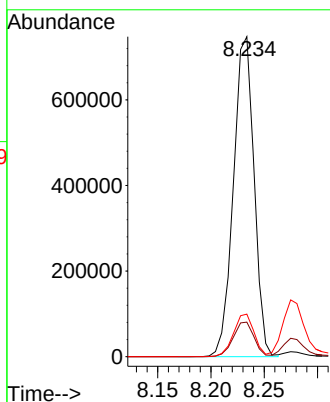
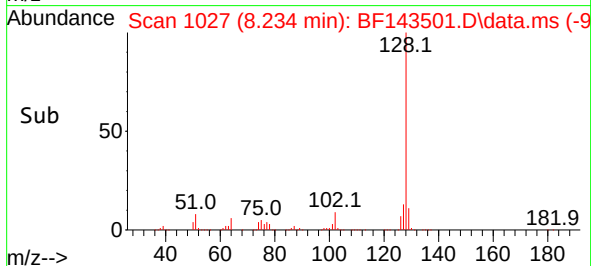
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



Tgt Ion:128 Resp: 1009614
Ion Ratio Lower Upper
128 100
129 10.8 8.8 13.2
127 13.3 10.6 16.0

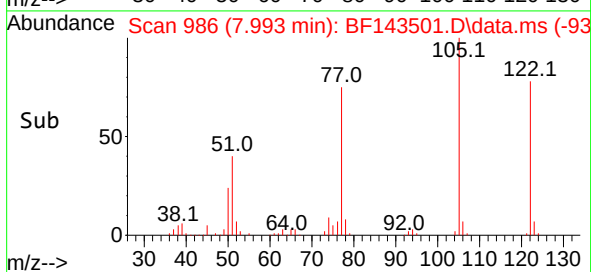
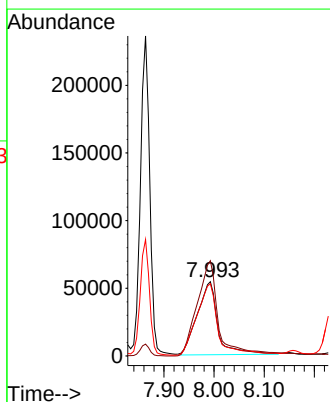
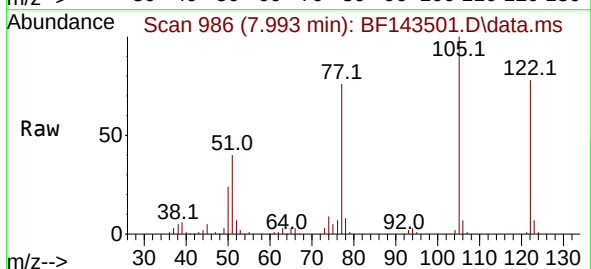
Manual Integrations
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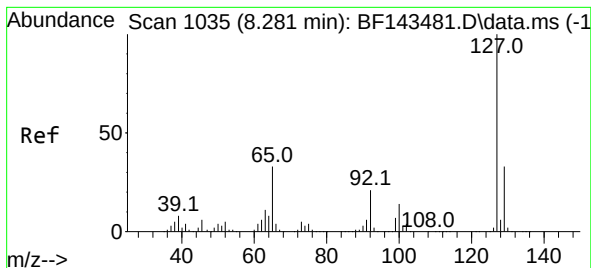
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#32
Benzoic acid
Concen: 44.087 ng
RT: 7.993 min Scan# 986
Delta R.T. -0.017 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

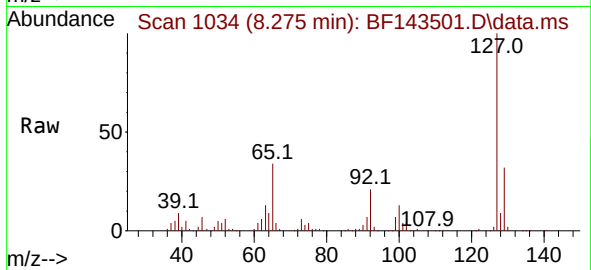
Tgt Ion:122 Resp: 155257
Ion Ratio Lower Upper
122 100
105 128.2 104.7 144.7
77 97.4 77.3 117.3





#33
4-Chloroaniline
Concen: 25.318 ng
RT: 8.275 min Scan# 1034
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

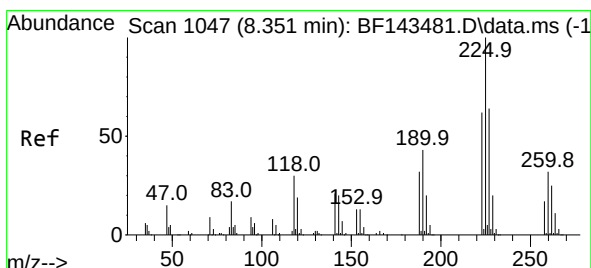
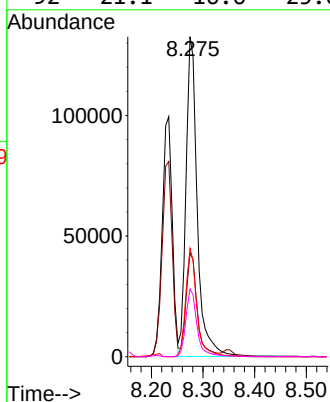
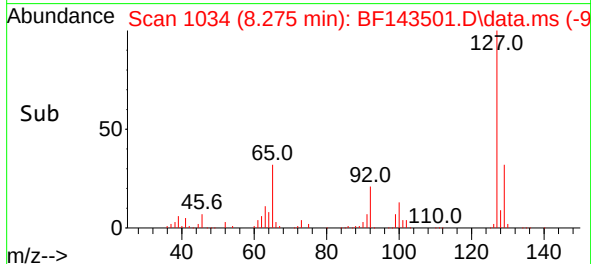
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



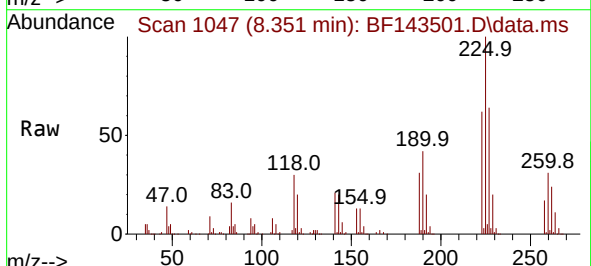
Tgt Ion:127 Resp: 200975
Ion Ratio Lower Upper
127 100
129 32.4 26.1 39.1
65 33.8 26.2 39.2
92 21.1 16.6 25.0

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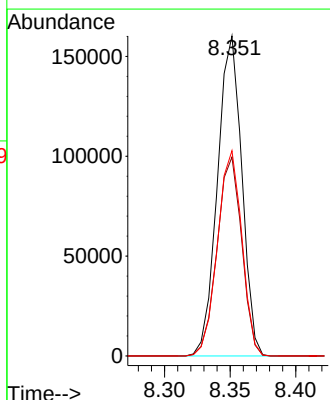
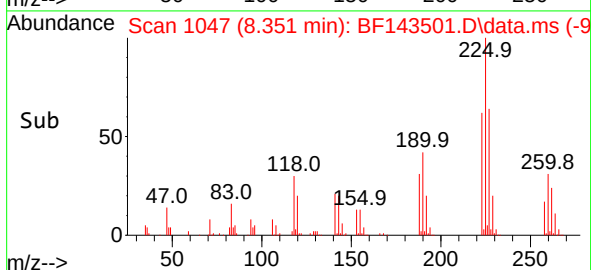
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

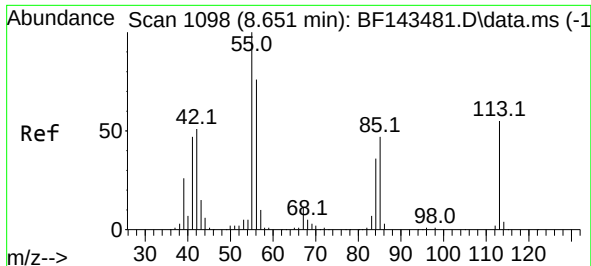


#34
Hexachlorobutadiene
Concen: 46.053 ng
RT: 8.351 min Scan# 1047
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



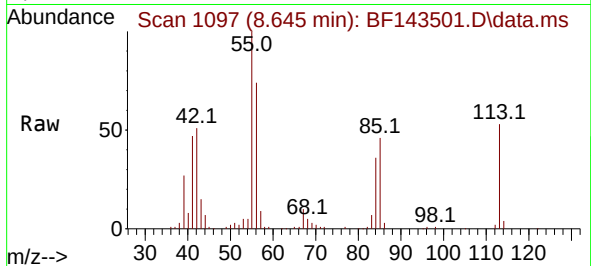
Tgt Ion:225 Resp: 206996
Ion Ratio Lower Upper
225 100
223 62.2 49.9 74.9
227 64.2 50.9 76.3





#35
 Caprolactam
 Concen: 53.495 ng m
 RT: 8.645 min Scan# 1097
 Delta R.T. -0.029 min
 Lab File: BF143501.D
 Acq: 20 Aug 2025 23:32

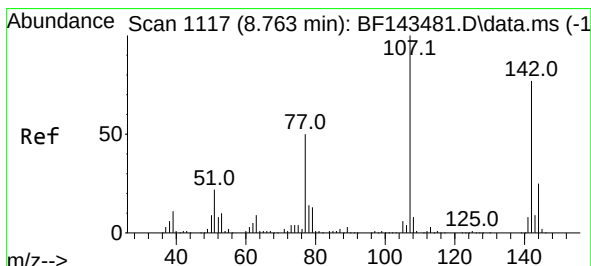
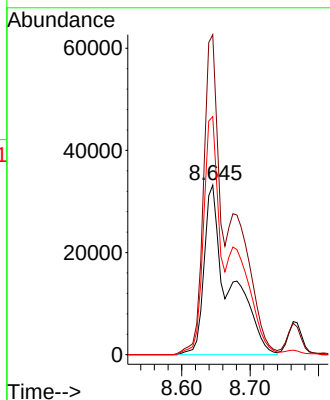
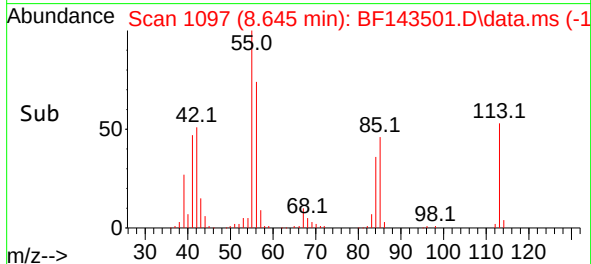
Instrument :
 BNA_F
 ClientSampleId :
 PB169223BSD



Tgt Ion:113 Resp: 86010
 Ion Ratio Lower Upper
 113 100
 55 188.7 162.8 202.8
 56 140.4 118.1 158.1

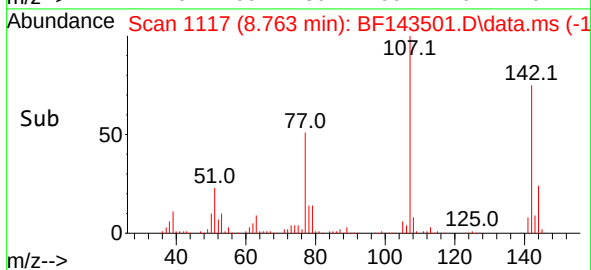
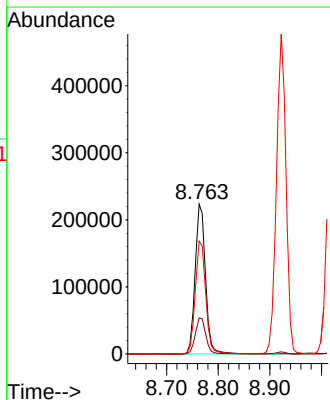
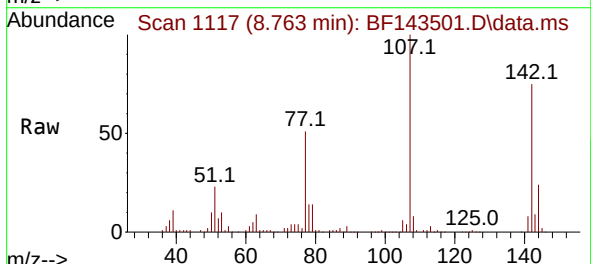
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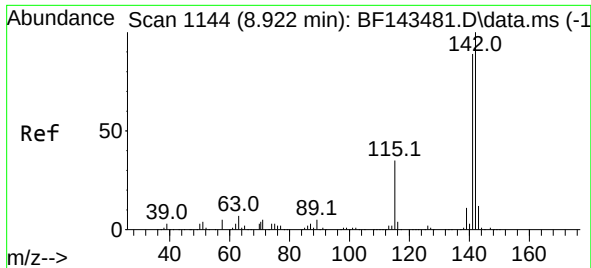
Reviewed By :Rahul Chavli 08/21/2025
 Supervised By :Jagrut Upadhyay 08/21/2025



#36
 4-Chloro-3-methylphenol
 Concen: 46.382 ng
 RT: 8.763 min Scan# 1117
 Delta R.T. -0.006 min
 Lab File: BF143501.D
 Acq: 20 Aug 2025 23:32

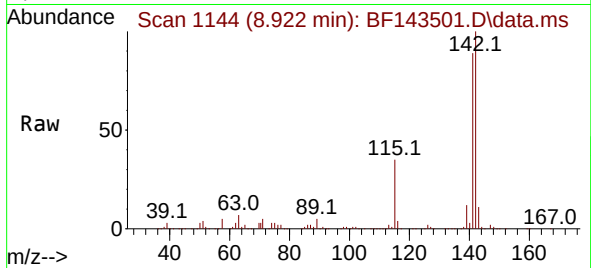
Tgt Ion:107 Resp: 311458
 Ion Ratio Lower Upper
 107 100
 144 24.1 19.9 29.9
 142 75.2 61.8 92.8





#37
2-Methylnaphthalene
Concen: 40.976 ng
RT: 8.922 min Scan# 1144
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

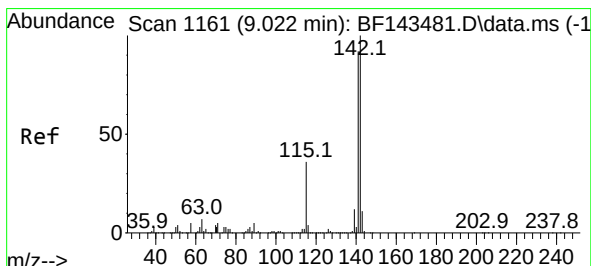
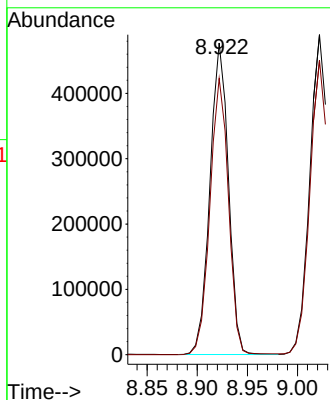
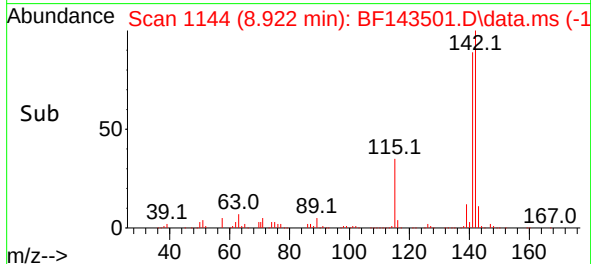
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



Tgt Ion:142 Resp: 612085
Ion Ratio Lower Upper
142 100
141 88.7 71.0 106.4

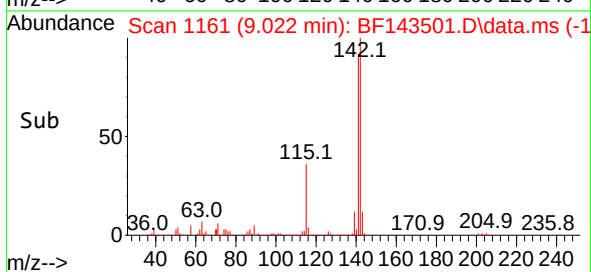
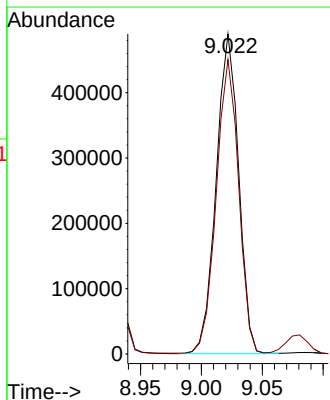
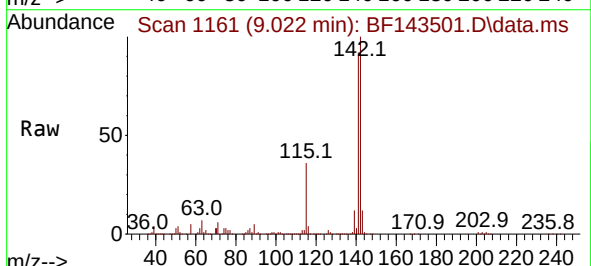
Manual Integrations
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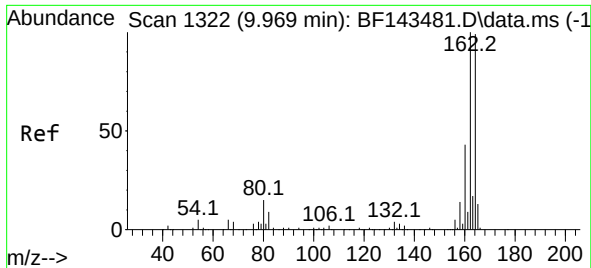
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#38
1-Methylnaphthalene
Concen: 43.916 ng
RT: 9.022 min Scan# 1161
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

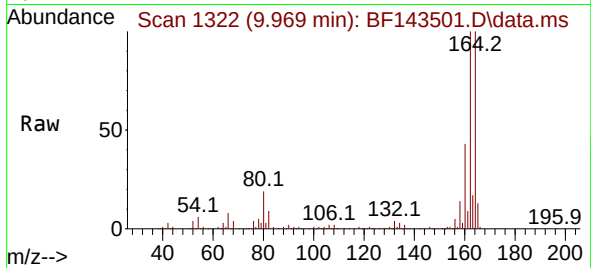
Tgt Ion:142 Resp: 627504
Ion Ratio Lower Upper
142 100
141 92.0 73.3 109.9





#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.969 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

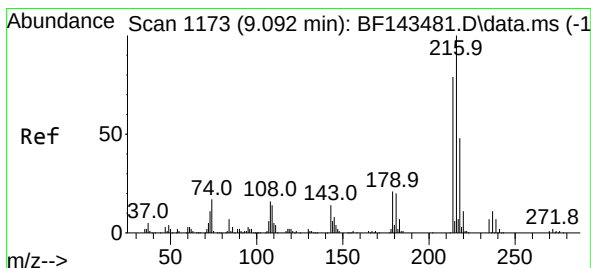
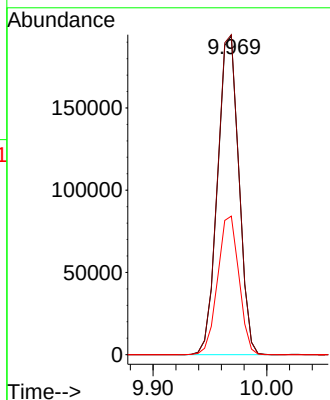
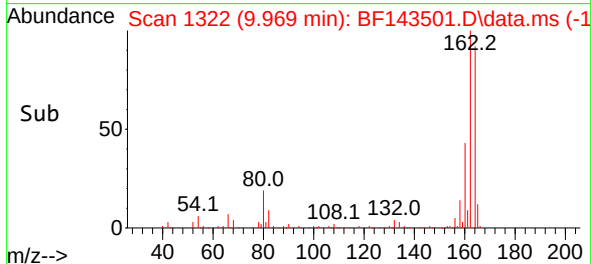
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



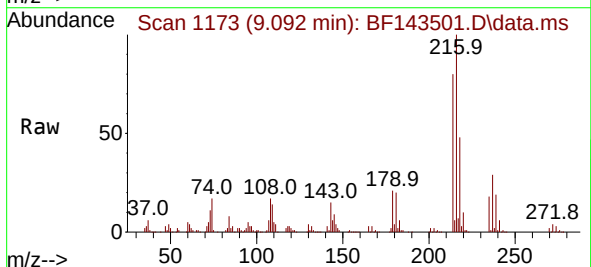
Tgt Ion:164 Resp: 252664
Ion Ratio Lower Upper
164 100
162 100.4 80.5 120.7
160 43.5 34.3 51.5

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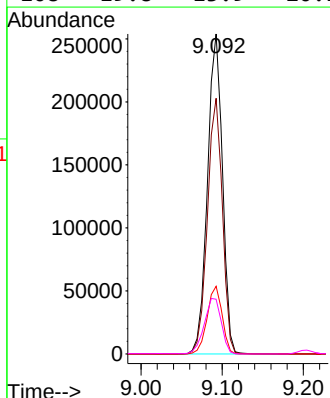
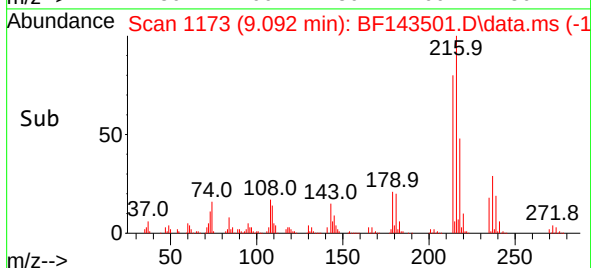
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

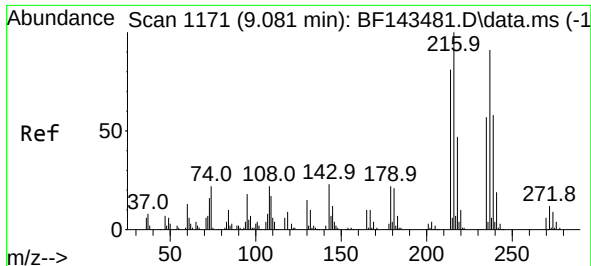


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.892 ng
RT: 9.092 min Scan# 1173
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



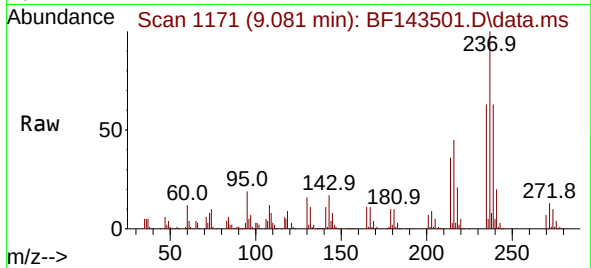
Tgt Ion:216 Resp: 324443
Ion Ratio Lower Upper
216 100
214 79.7 63.4 95.0
179 21.2 16.5 24.7
108 19.8 13.9 20.9





#41
Hexachlorocyclopentadiene
Concen: 111.931 ng
RT: 9.081 min Scan# 1171
Delta R.T. -0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

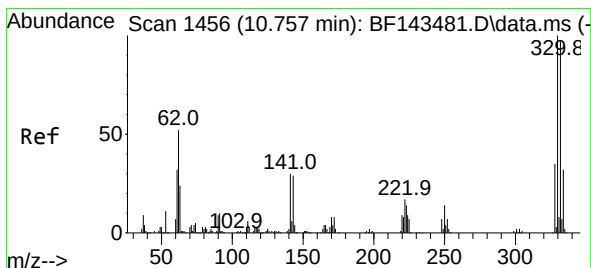
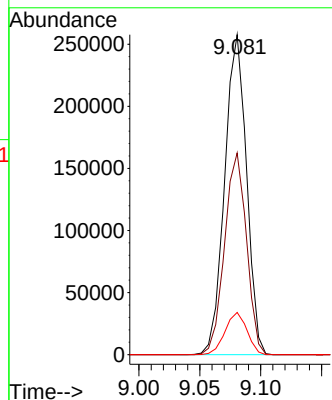
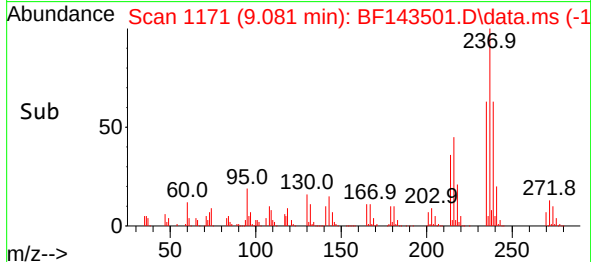
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



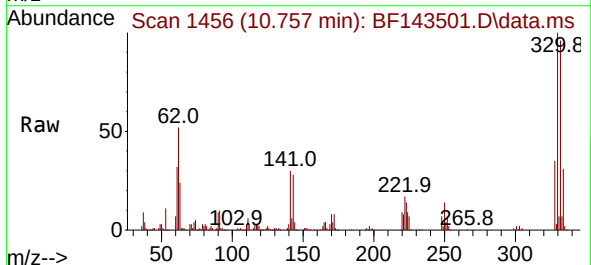
Tgt Ion:237 Resp: 322174
Ion Ratio Lower Upper
237 100
235 63.0 42.6 82.6
272 13.2 0.0 33.4

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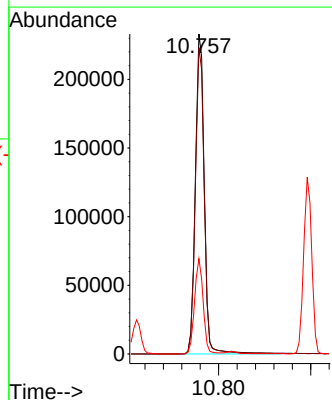
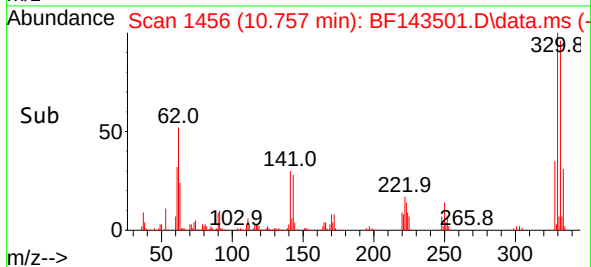
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

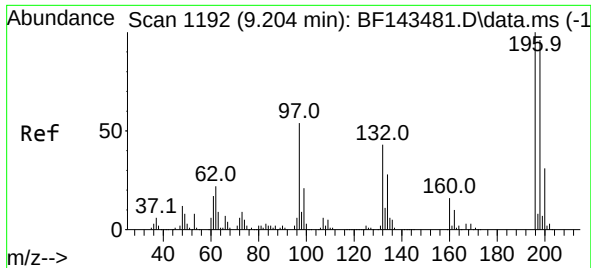


#42
2,4,6-Tribromophenol
Concen: 133.087 ng
RT: 10.757 min Scan# 1456
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



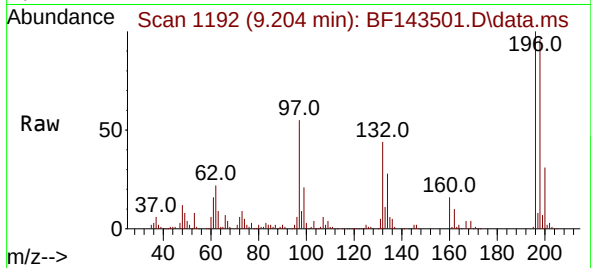
Tgt Ion:330 Resp: 313012
Ion Ratio Lower Upper
330 100
332 95.7 78.0 117.0
141 28.8 23.7 35.5





#43
2,4,6-Trichlorophenol
Concen: 46.517 ng
RT: 9.204 min Scan# 1192
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

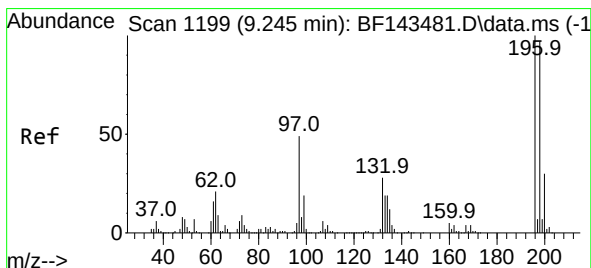
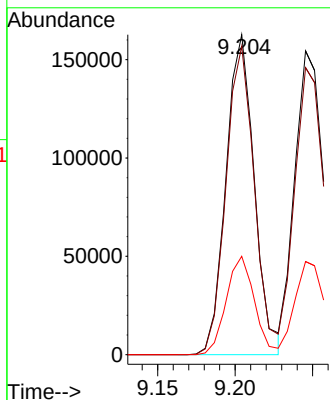
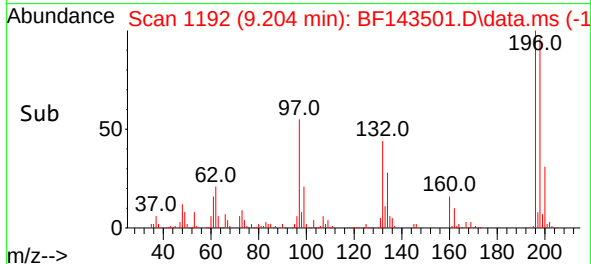
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



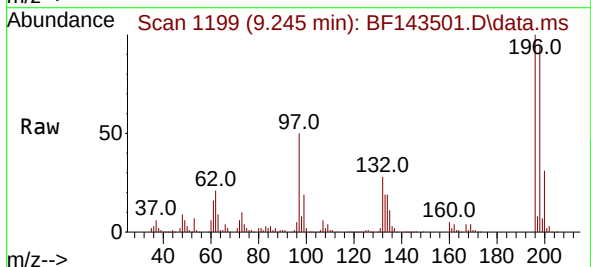
Tgt Ion:196 Resp: 20686
Ion Ratio Lower Upper
196 100
198 96.4 77.0 115.4
200 30.8 24.6 37.0

Manual Integrations
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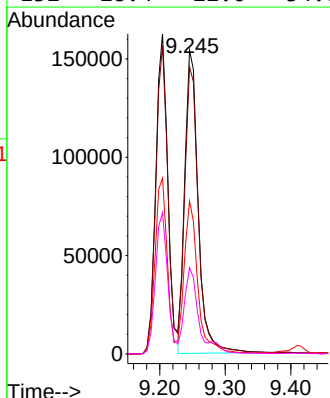
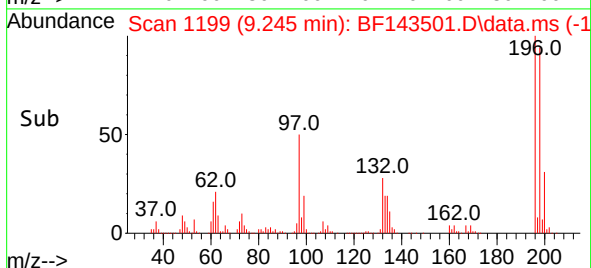
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

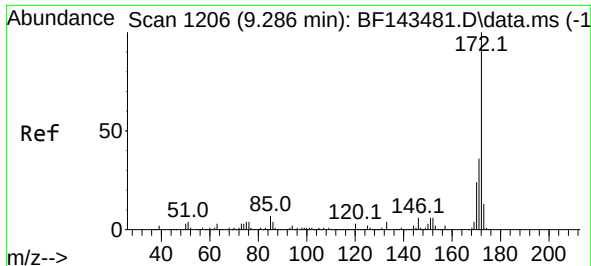


#44
2,4,5-Trichlorophenol
Concen: 45.292 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



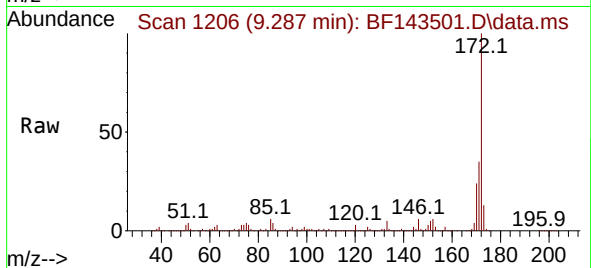
Tgt Ion:196 Resp: 220012
Ion Ratio Lower Upper
196 100
198 94.4 77.3 115.9
97 50.3 40.0 60.0
132 28.4 22.6 34.0





#45
2-Fluorobiphenyl
Concen: 87.878 ng
RT: 9.287 min Scan# 1206
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

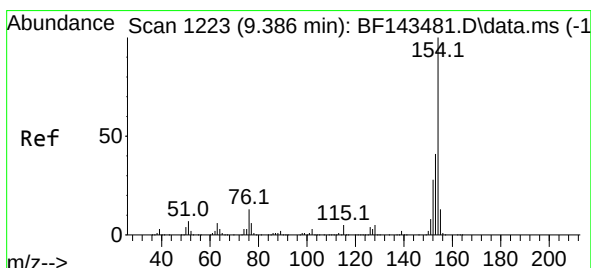
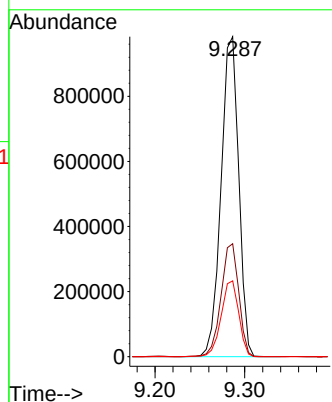
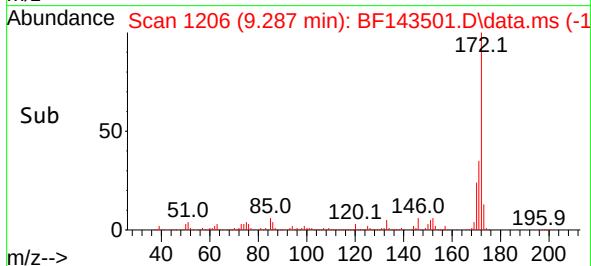
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



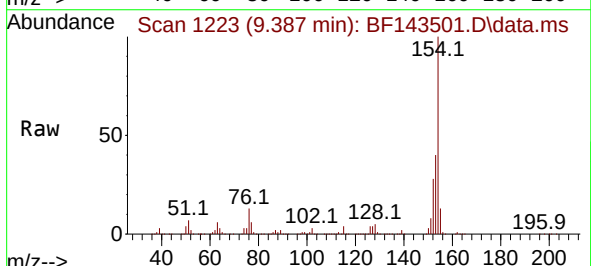
Tgt Ion:172 Resp: 134349
Ion Ratio Lower Upper
172 100
171 35.3 28.8 43.2
170 23.7 18.8 28.2

Manual Integrations
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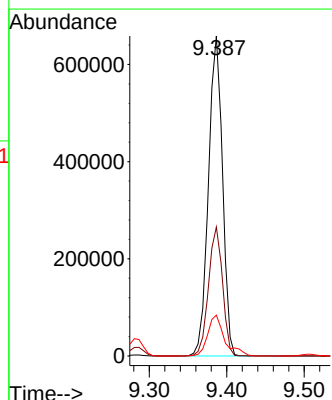
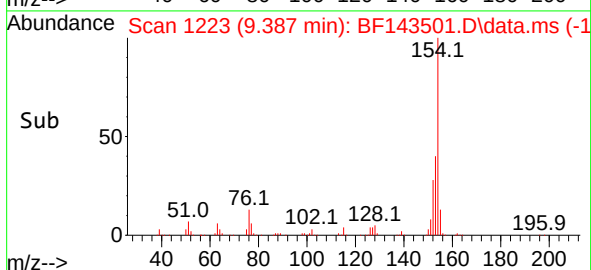
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

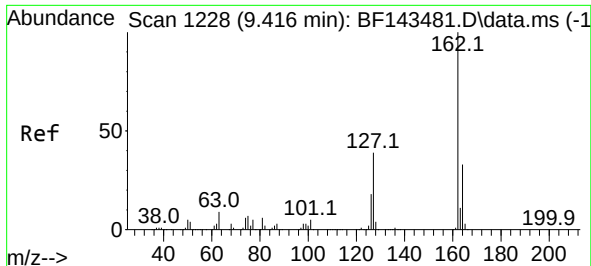


#46
1,1'-Biphenyl
Concen: 46.171 ng
RT: 9.387 min Scan# 1223
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



Tgt Ion:154 Resp: 828011
Ion Ratio Lower Upper
154 100
153 40.3 20.6 60.6
76 12.8 0.0 33.0





#47
2-Chloronaphthalene
Concen: 45.590 ng
RT: 9.410 min Scan# 1228
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Instrument :

BNA_F

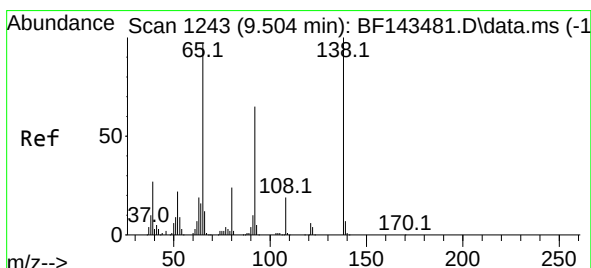
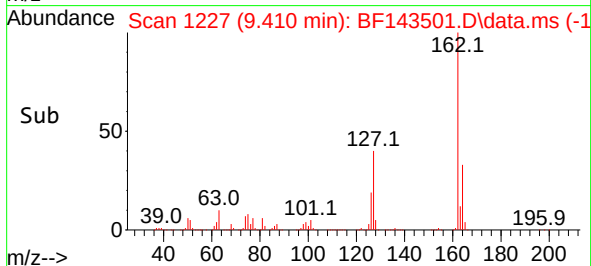
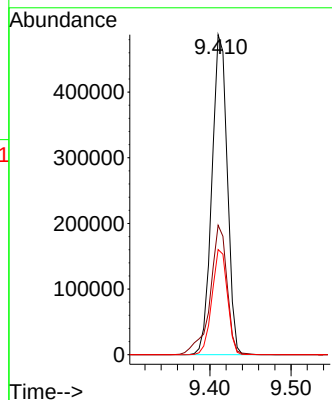
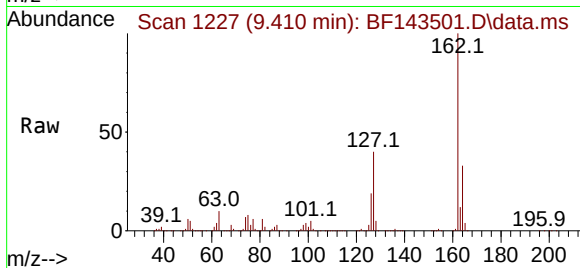
ClientSampleId :

PB169223BSD

Tgt Ion:162 Resp: 641500
Ion Ratio Lower Upper
162 100
127 40.4 31.8 47.6
164 32.9 26.4 39.6

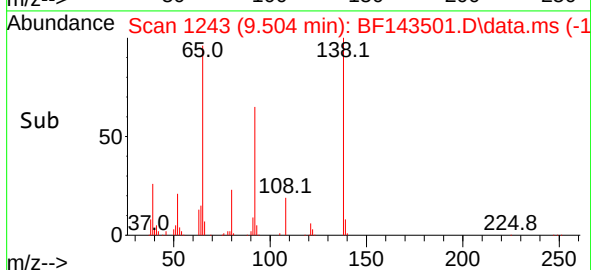
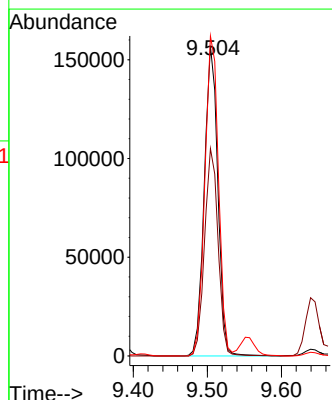
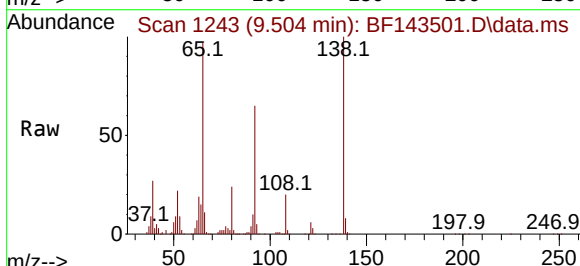
Manual Integrations
APPROVED

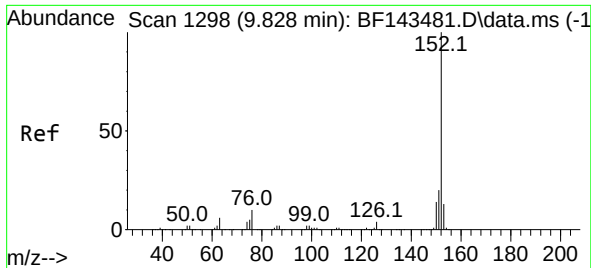
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#48
2-Nitroaniline
Concen: 48.672 ng
RT: 9.504 min Scan# 1243
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

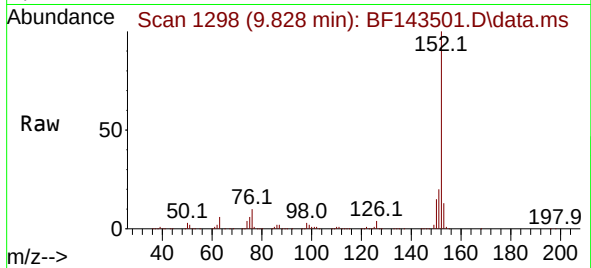
Tgt Ion: 65 Resp: 200435
Ion Ratio Lower Upper
65 100
92 66.9 53.8 80.6
138 103.2 82.4 123.6





#49
Acenaphthylene
Concen: 50.955 ng
RT: 9.828 min Scan# 1298
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

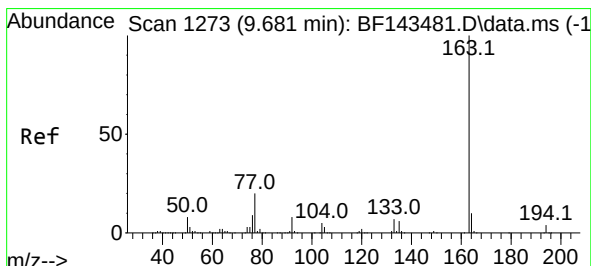
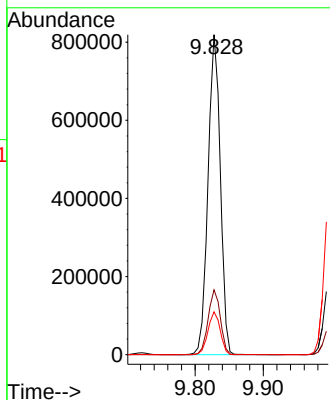
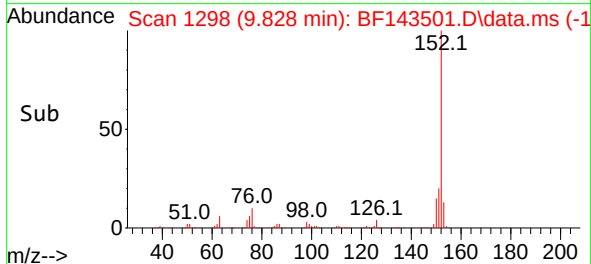
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



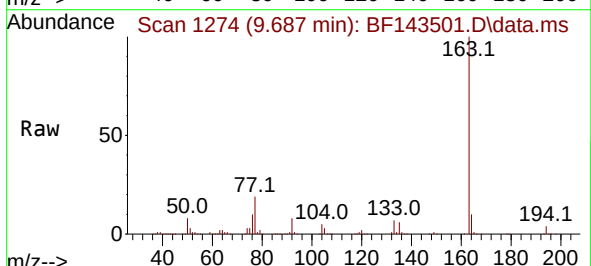
Tgt Ion:152 Resp: 1026638
Ion Ratio Lower Upper
152 100
151 20.2 16.2 24.4
153 13.4 10.6 15.8

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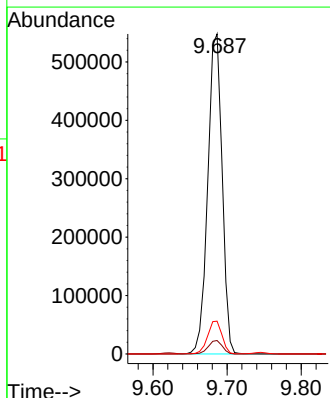
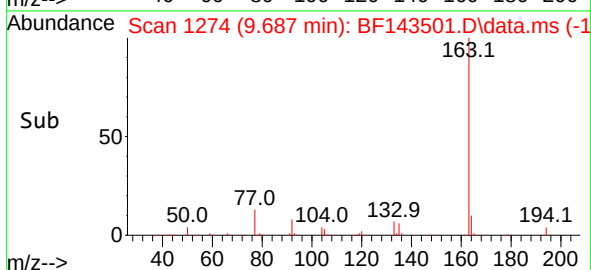
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

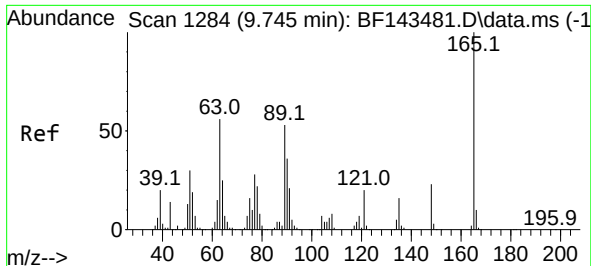


#50
Dimethylphthalate
Concen: 48.431 ng
RT: 9.687 min Scan# 1274
Delta R.T. 0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



Tgt Ion:163 Resp: 736986
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 10.2 8.2 12.2





#51

2,6-Dinitrotoluene

Concen: 51.601 ng

RT: 9.745 min Scan# 1284

Delta R.T. -0.006 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

Instrument :

BNA_F

ClientSampleId :

PB169223BSD

Tgt Ion:165 Resp: 16274

Ion Ratio Lower Upper

165 100

63 57.0 45.0 67.6

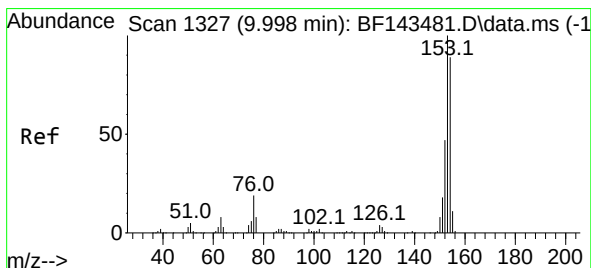
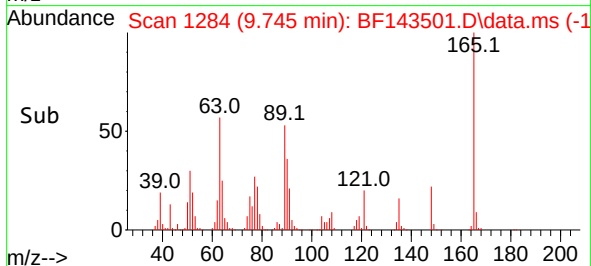
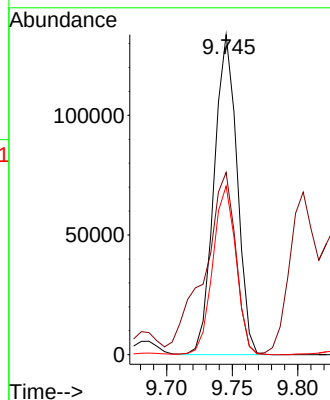
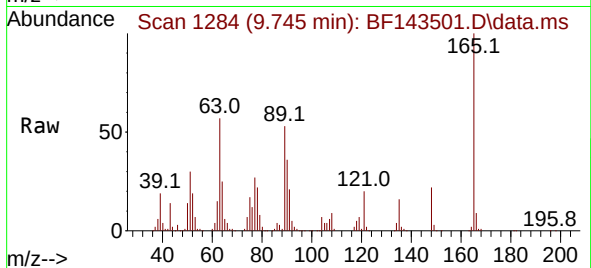
89 52.7 42.5 63.7

Manual Integrations

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Reviewed By :Rahul Chavli 08/21/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#52

Acenaphthene

Concen: 49.001 ng

RT: 9.998 min Scan# 1327

Delta R.T. -0.006 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

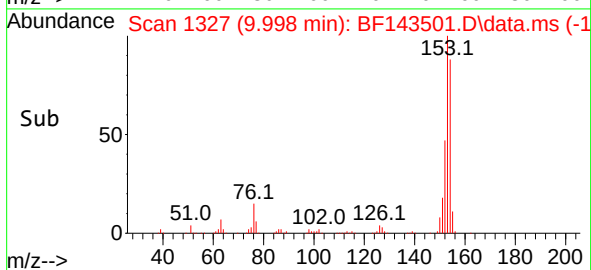
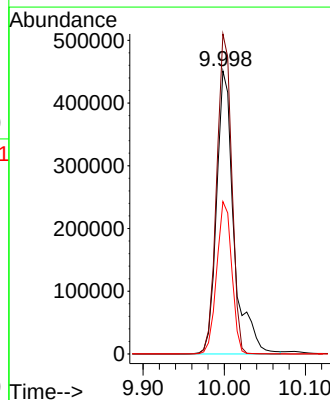
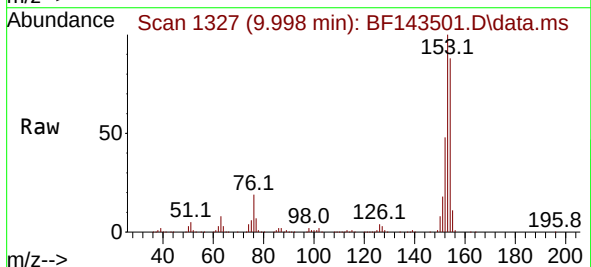
Tgt Ion:154 Resp: 670314

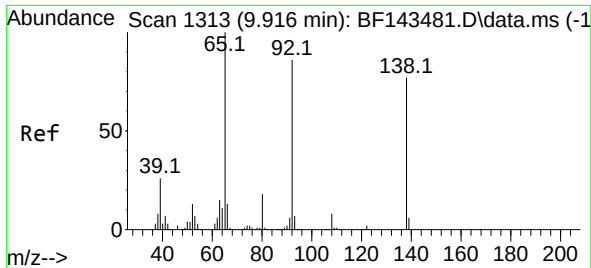
Ion Ratio Lower Upper

154 100

153 113.1 89.5 134.3

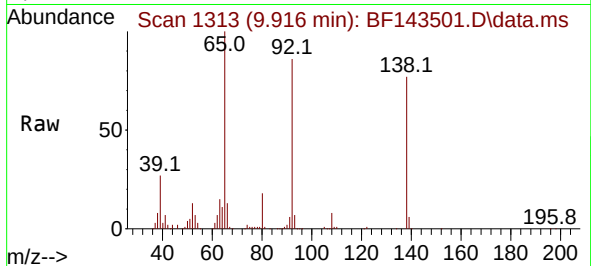
152 53.8 42.5 63.7





#53
3-Nitroaniline
Concen: 33.463 ng
RT: 9.916 min Scan# 114039
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

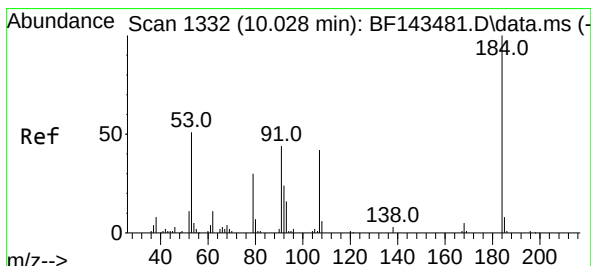
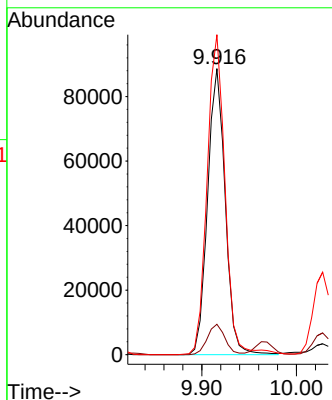
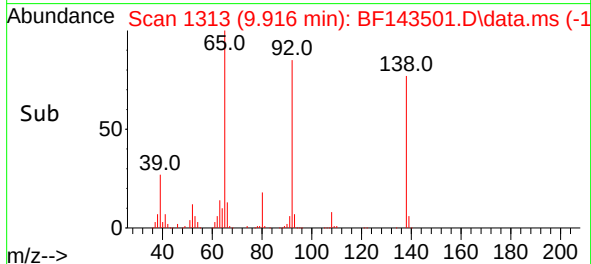
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



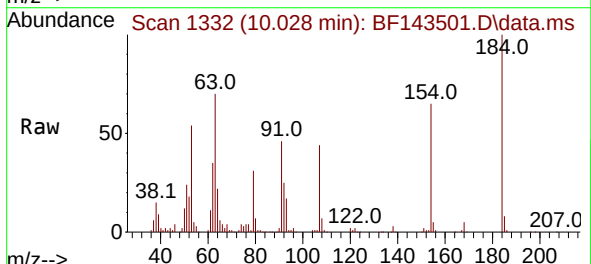
Tgt Ion:138 Resp: 114039
Ion Ratio Lower Upper
138 100
108 10.6 8.6 13.0
92 111.9 89.8 134.8

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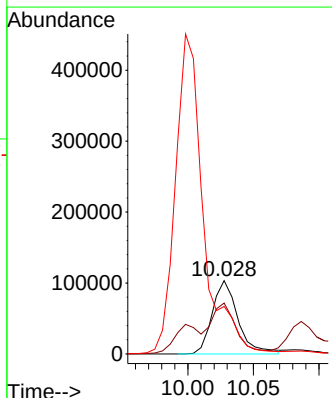
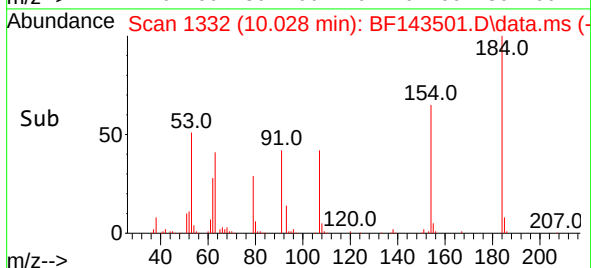
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

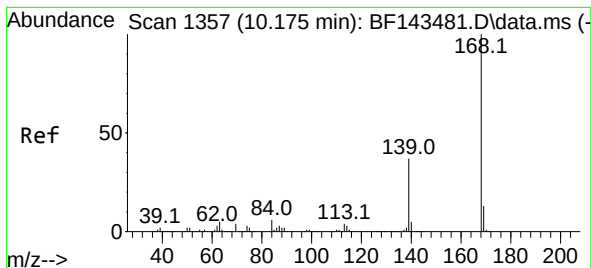


#54
2,4-Dinitrophenol
Concen: 83.316 ng
RT: 10.028 min Scan# 1332
Delta R.T. -0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



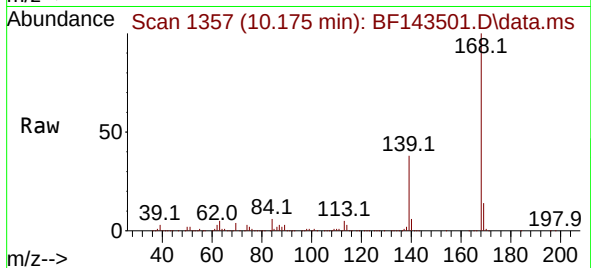
Tgt Ion:184 Resp: 140919
Ion Ratio Lower Upper
184 100
63 69.5 52.6 78.8
154 64.9 51.0 76.4





#55
Dibenzofuran
Concen: 45.798 ng
RT: 10.175 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

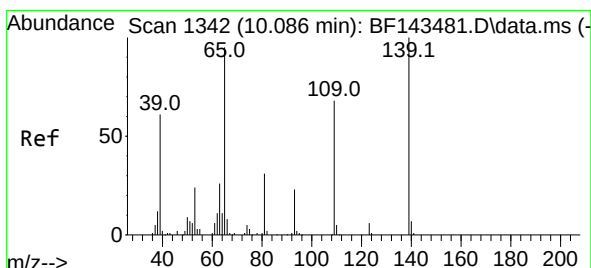
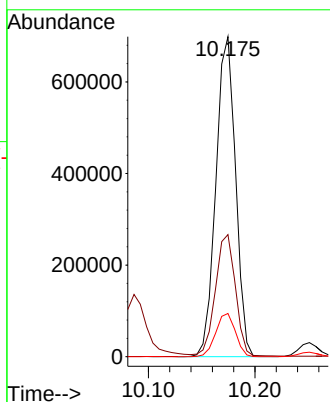
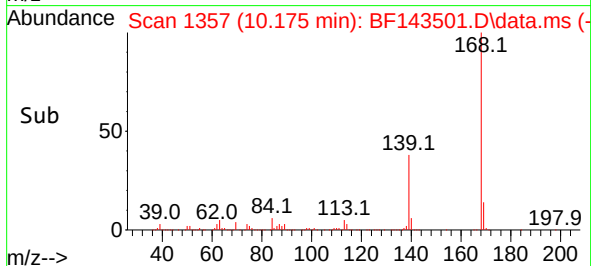
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



Tgt Ion:168 Resp: 89319
Ion Ratio Lower Upper
168 100
139 38.1 29.8 44.6
169 13.5 10.8 16.2

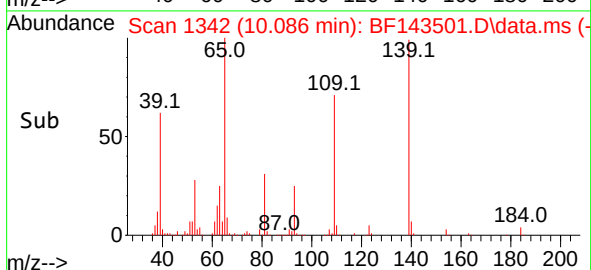
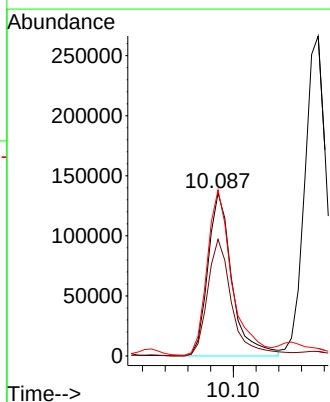
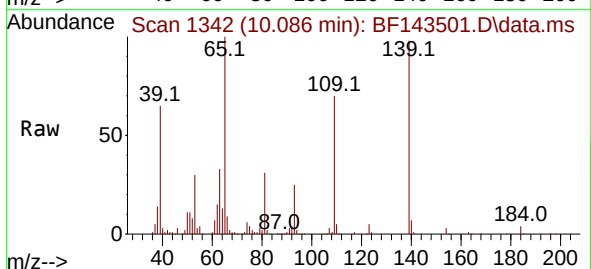
Manual Integrations
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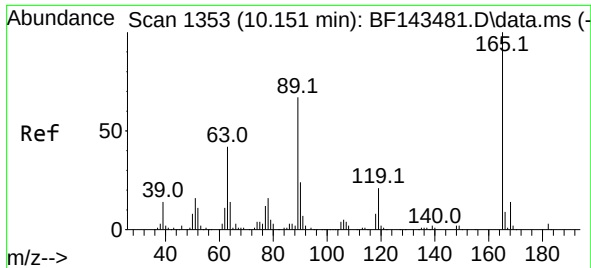
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#56
4-Nitrophenol
Concen: 98.523 ng
RT: 10.086 min Scan# 1342
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

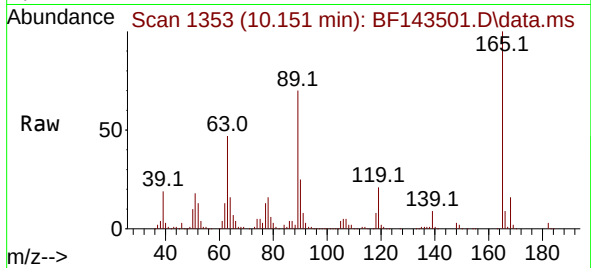
Tgt Ion:139 Resp: 199779
Ion Ratio Lower Upper
139 100
109 71.5 48.2 88.2
65 101.8 75.8 115.8





#57
2,4-Dinitrotoluene
Concen: 51.256 ng
RT: 10.151 min Scan# 1353
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

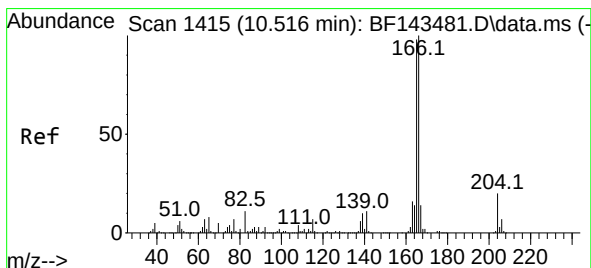
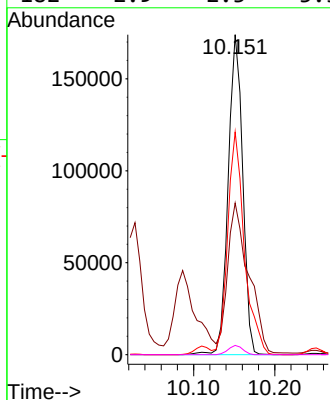
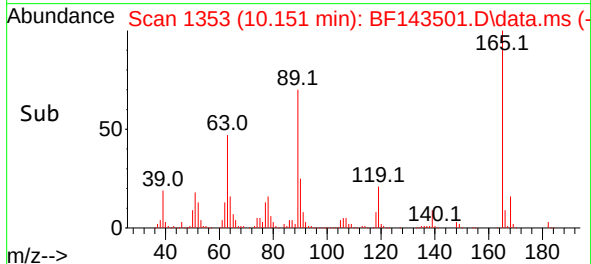
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



Tgt Ion:165 Resp: 21585
Ion Ratio Lower Upper
165 100
63 47.4 34.9 52.3
89 69.6 53.3 79.9
182 2.9 2.3 3.5

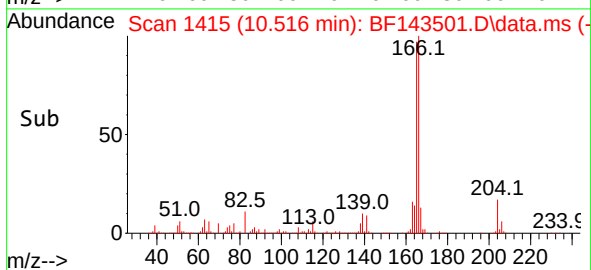
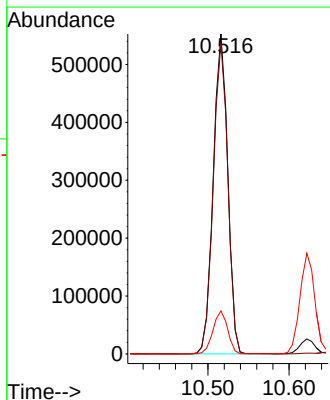
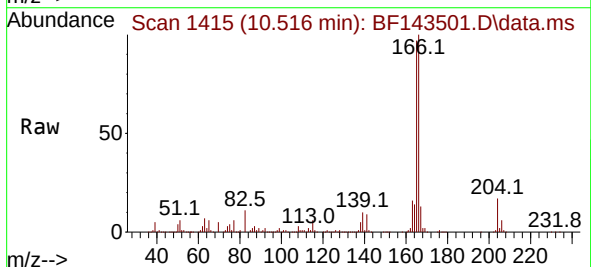
Manual Integrations
APPROVED

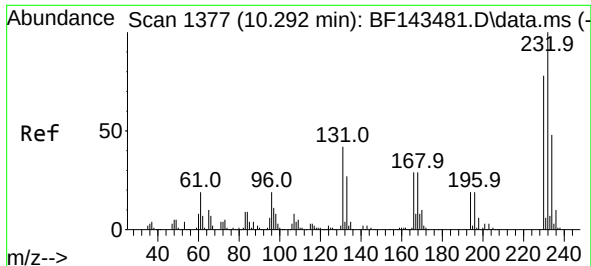
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#58
Fluorene
Concen: 45.759 ng
RT: 10.516 min Scan# 1415
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

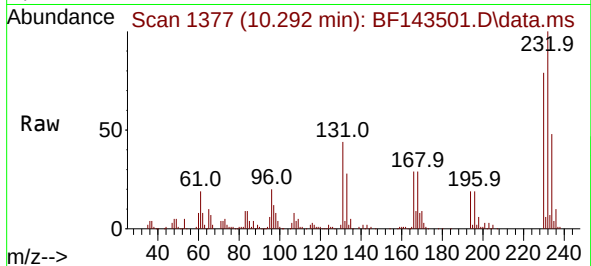
Tgt Ion:166 Resp: 686867
Ion Ratio Lower Upper
166 100
165 97.3 78.3 117.5
167 13.4 11.0 16.4





#59
2,3,4,6-Tetrachlorophenol
Concen: 53.070 ng
RT: 10.292 min Scan# 1377
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

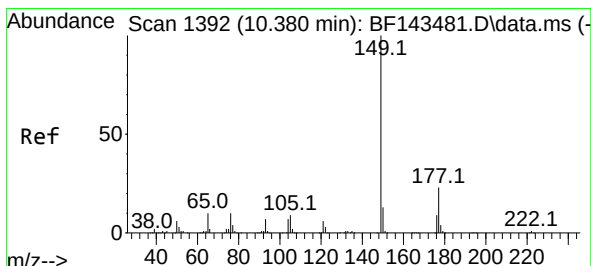
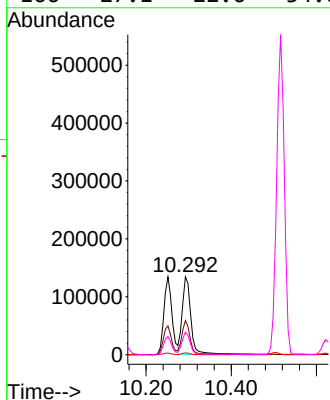
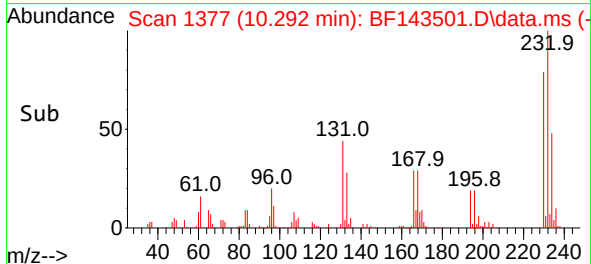
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



Tgt Ion:232 Resp: 191529
Ion Ratio Lower Upper
232 100
131 41.9 32.7 49.1
130 2.2 1.6 2.4
166 27.1 22.6 34.0

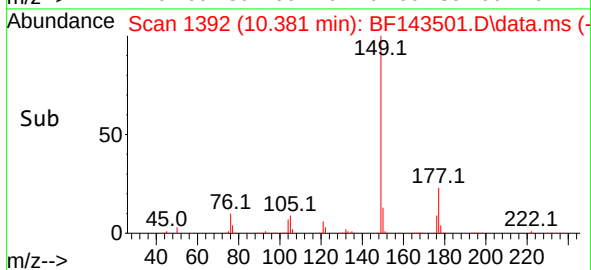
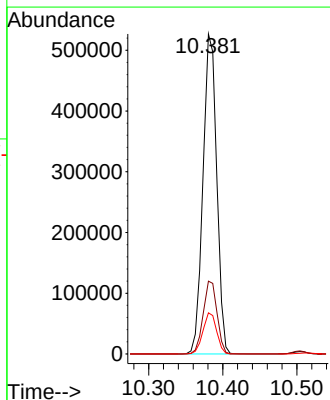
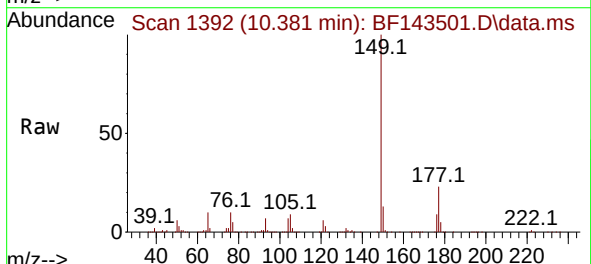
Manual Integrations
APPROVED

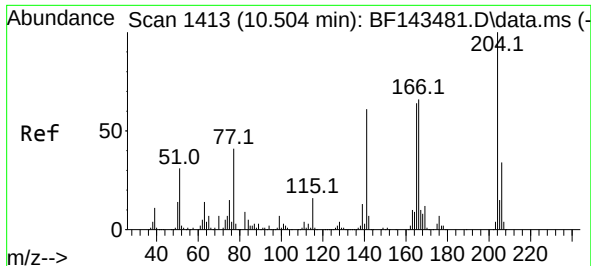
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#60
Diethylphthalate
Concen: 49.780 ng
RT: 10.381 min Scan# 1392
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

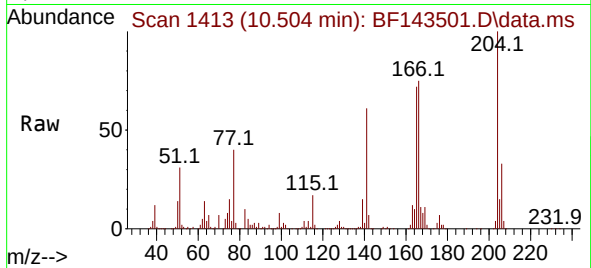
Tgt Ion:149 Resp: 679159
Ion Ratio Lower Upper
149 100
177 22.7 18.3 27.5
150 12.9 10.3 15.5





#61
4-Chlorophenyl-phenylether
Concen: 46.191 ng
RT: 10.504 min Scan# 1413
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

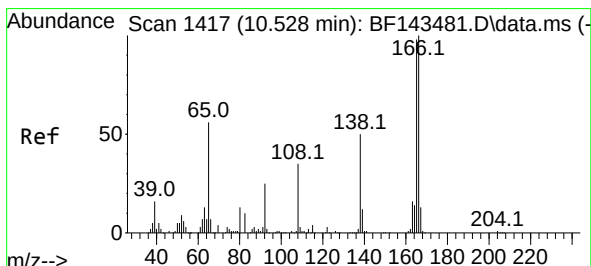
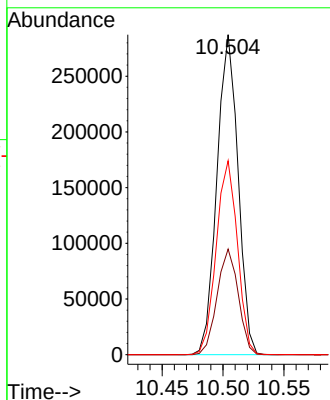
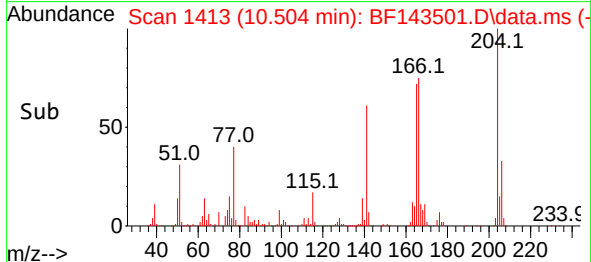
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



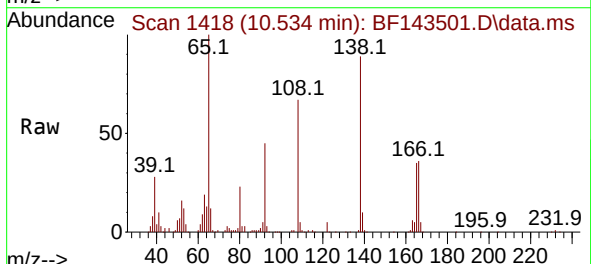
Tgt Ion:204 Resp: 346760
Ion Ratio Lower Upper
204 100
206 33.0 27.0 40.4
141 60.6 48.7 73.1

Manual Integrations
APPROVED

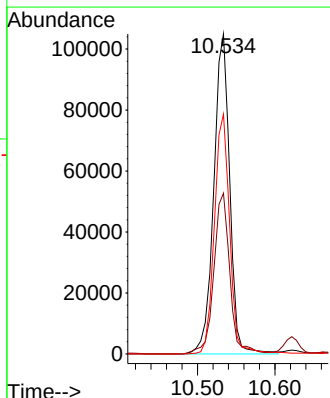
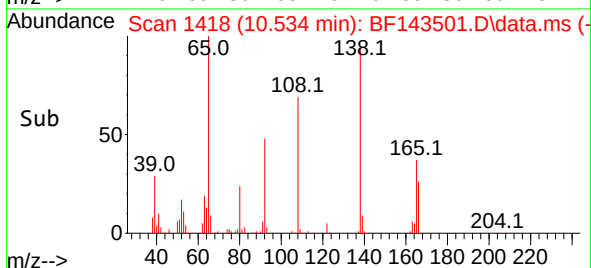
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

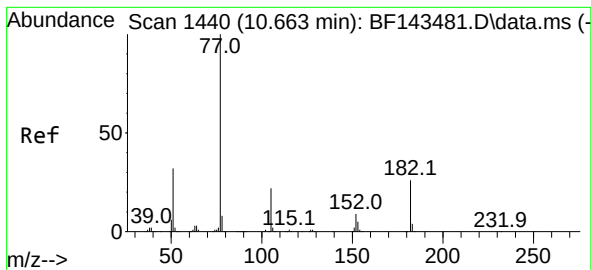


#62
4-Nitroaniline
Concen: 48.096 ng
RT: 10.534 min Scan# 1418
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



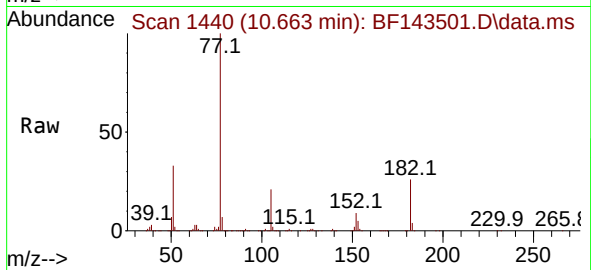
Tgt Ion:138 Resp: 150552
Ion Ratio Lower Upper
138 100
92 50.3 29.3 69.3
108 75.0 50.7 90.7





#63
Azobenzene
Concen: 48.659 ng
RT: 10.663 min Scan# 1440
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

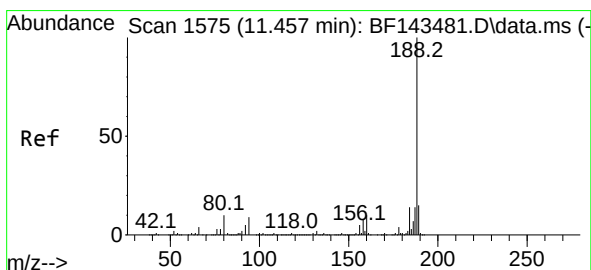
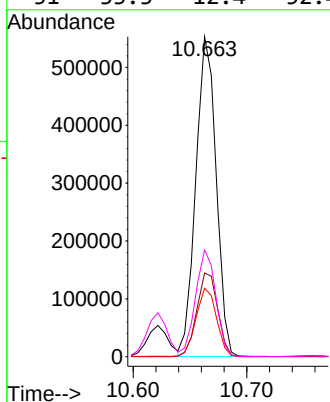
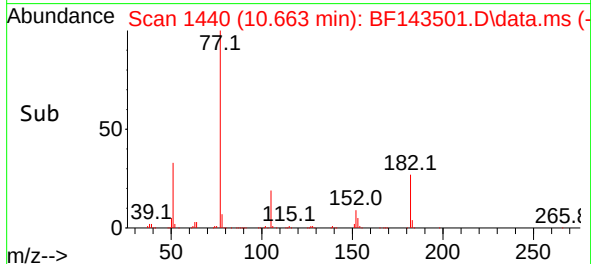
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



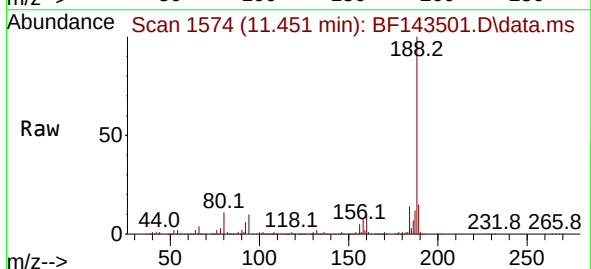
Tgt Ion: 77 Resp: 688349
Ion Ratio Lower Upper
77 100
182 26.2 6.2 46.2
105 21.4 2.2 42.2
51 33.3 12.4 52.4

Manual Integrations
APPROVED

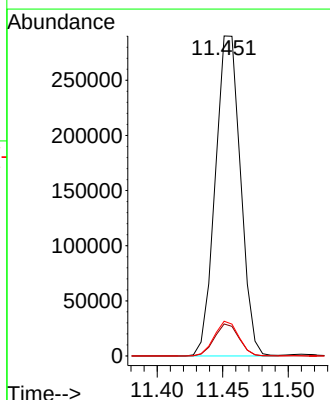
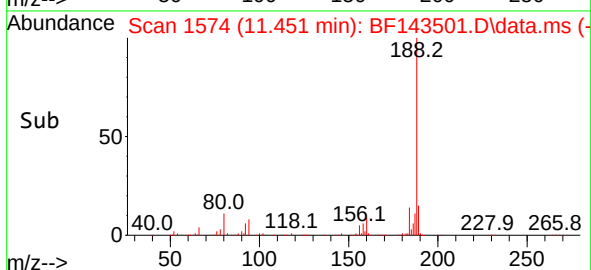
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

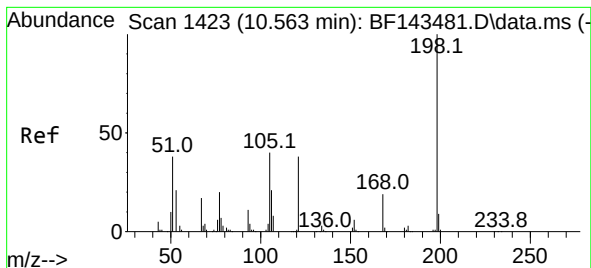


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.451 min Scan# 1574
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



Tgt Ion:188 Resp: 388075
Ion Ratio Lower Upper
188 100
94 10.0 7.4 11.2
80 10.9 8.2 12.4





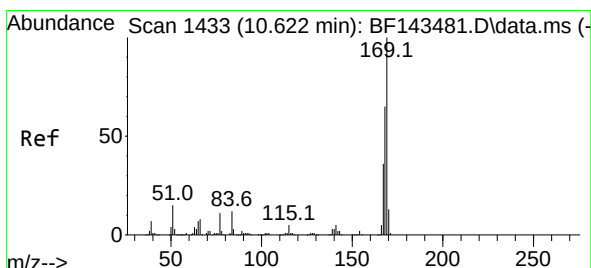
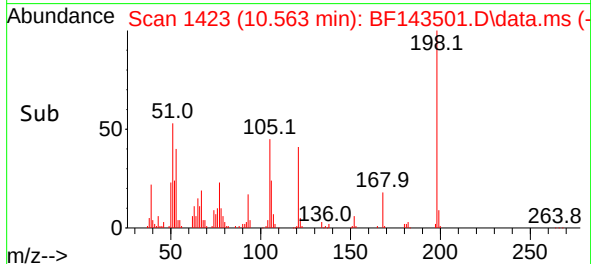
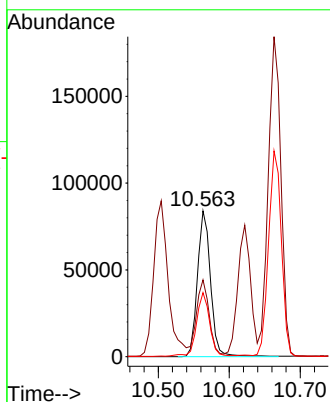
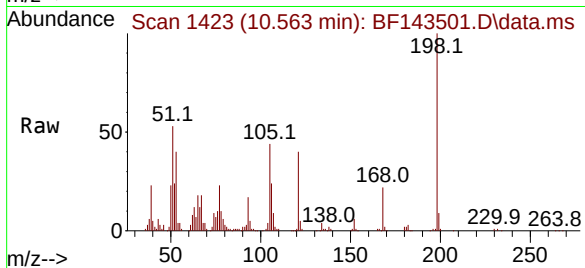
#65
4,6-Dinitro-2-methylphenol
Concen: 49.298 ng
RT: 10.563 min Scan# 1423
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Instrument :
BNA_F
ClientSampleId :
PB169223BSD

Tgt Ion:198 Resp: 10787
Ion Ratio Lower Upper
198 100
51 52.7 29.6 69.6
105 44.0 21.5 61.5

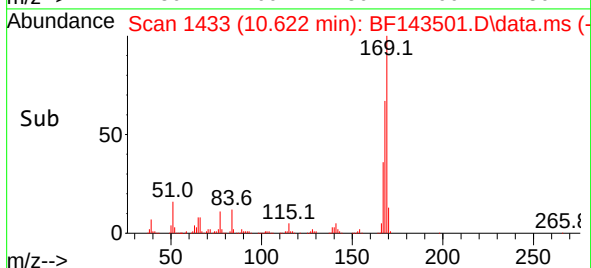
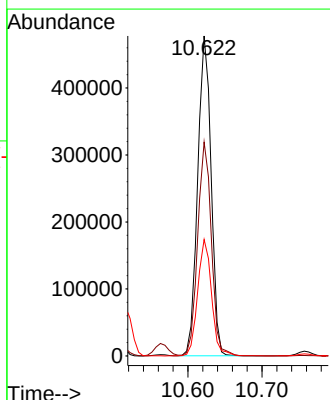
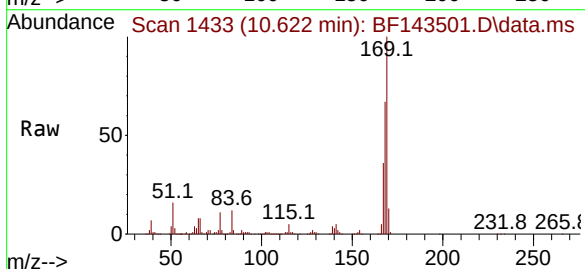
Manual Integrations
APPROVED

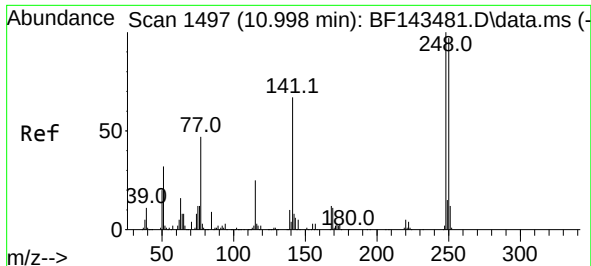
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#66
n-Nitrosodiphenylamine
Concen: 48.050 ng
RT: 10.622 min Scan# 1433
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

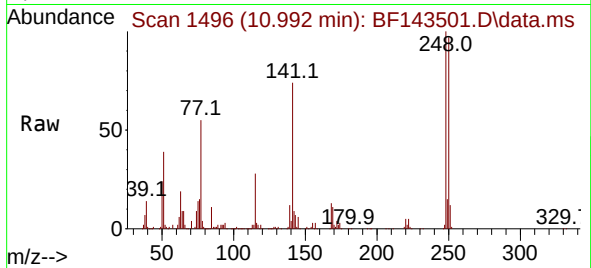
Tgt Ion:169 Resp: 600099
Ion Ratio Lower Upper
169 100
168 66.8 52.4 78.6
167 36.4 28.9 43.3





#67
4-Bromophenyl-phenylether
Concen: 47.139 ng
RT: 10.992 min Scan# 1496
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

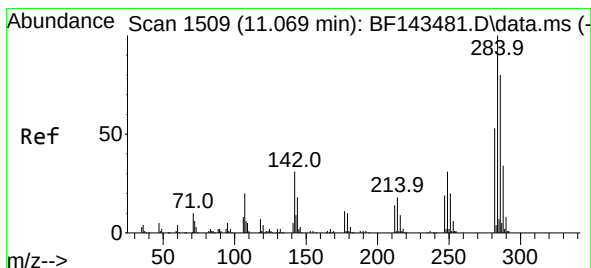
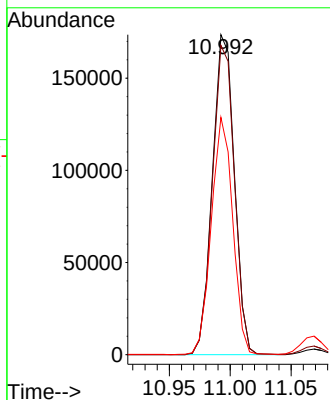
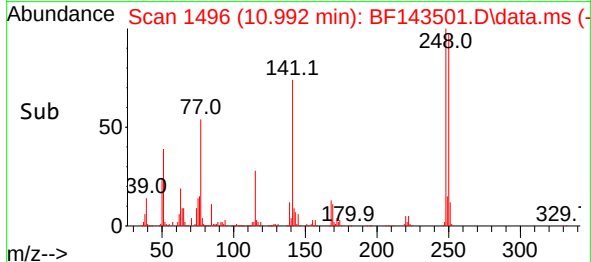
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



Tgt Ion:248 Resp: 218272
Ion Ratio Lower Upper
248 100
250 96.6 77.8 116.8
141 74.2 54.0 81.0

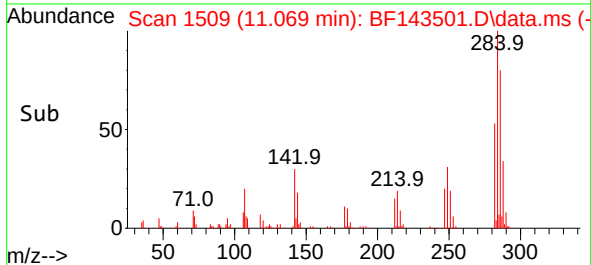
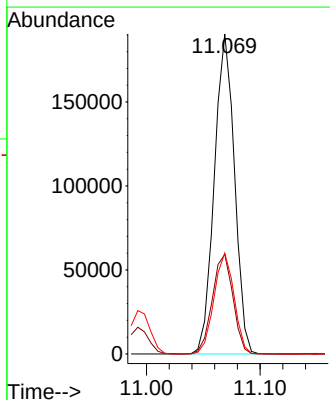
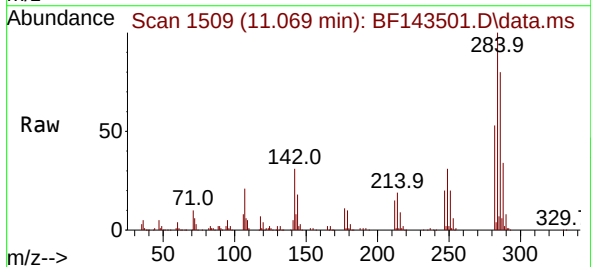
Manual Integrations
APPROVED

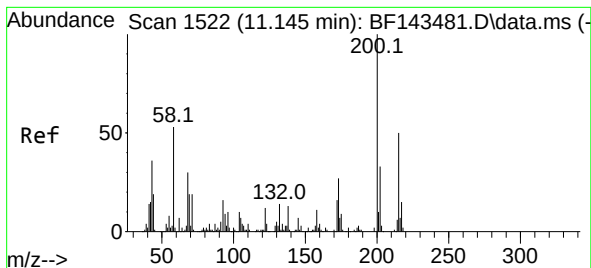
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#68
Hexachlorobenzene
Concen: 47.032 ng
RT: 11.069 min Scan# 1509
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Tgt Ion:284 Resp: 234745
Ion Ratio Lower Upper
284 100
142 31.1 24.4 36.6
249 31.5 25.0 37.6





#69

Atrazine

Concen: 52.748 ng

RT: 11.145 min Scan# 1522

Delta R.T. -0.006 min

Lab File: BF143501.D

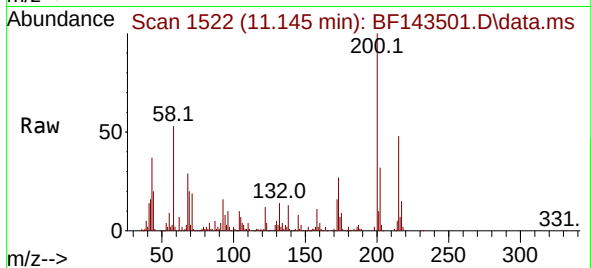
Acq: 20 Aug 2025 23:32

Instrument :

BNA_F

ClientSampleId :

PB169223BSD



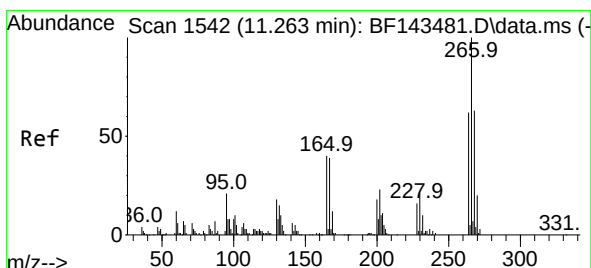
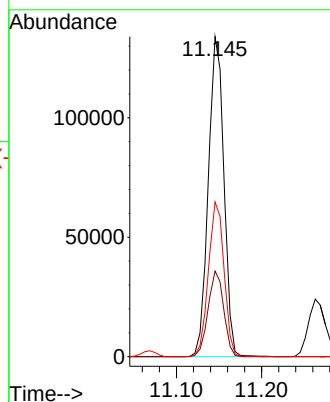
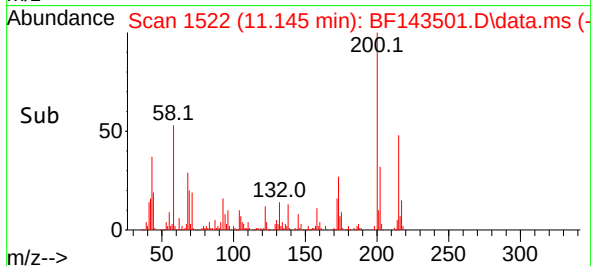
Tgt Ion:	200	Resp:	170052
Ion Ratio	Lower	Upper	
200	100		
173	26.8	6.9	46.9
215	48.4	30.0	70.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/21/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#70

Pentachlorophenol

Concen: 98.027 ng

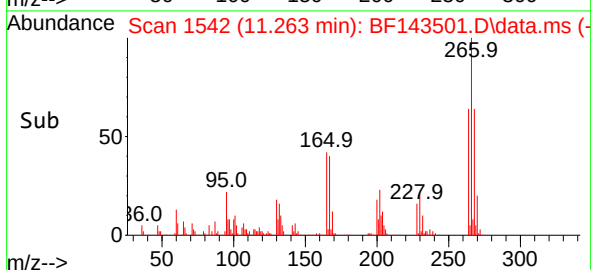
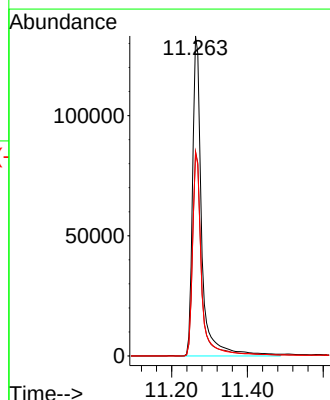
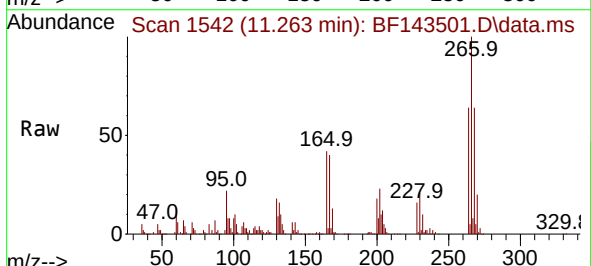
RT: 11.263 min Scan# 1542

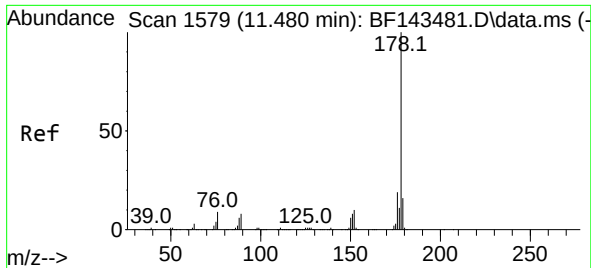
Delta R.T. -0.006 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

Tgt Ion:	266	Resp:	224077
Ion Ratio	Lower	Upper	
266	100		
268	63.9	50.5	75.7
264	63.6	49.8	74.8





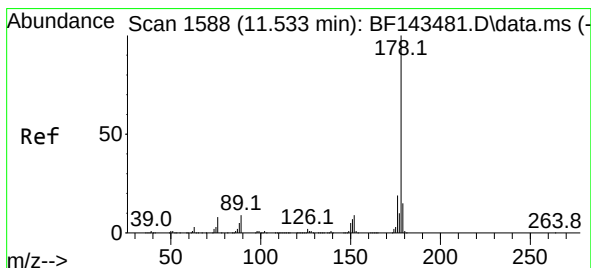
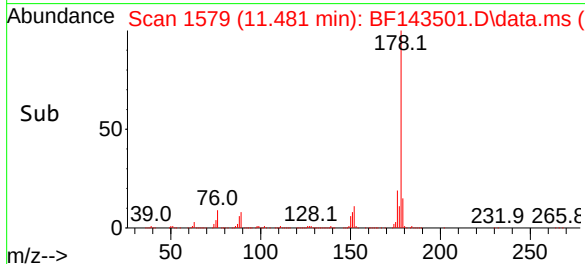
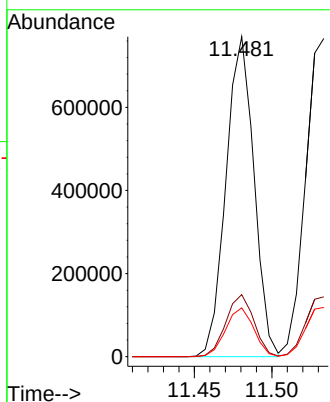
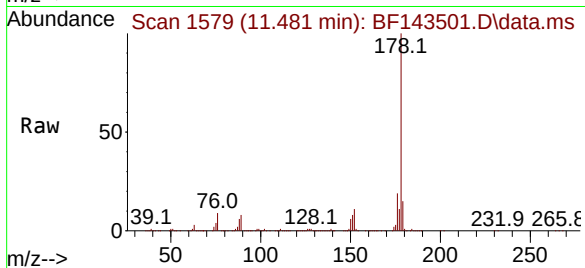
#71
Phenanthrene
Concen: 46.526 ng
RT: 11.481 min Scan# 1579
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Instrument :
BNA_F
ClientSampleId :
PB169223BSD

Tgt Ion:178 Resp: 96690
Ion Ratio Lower Upper
178 100
176 19.4 15.5 23.3
179 15.2 12.5 18.7

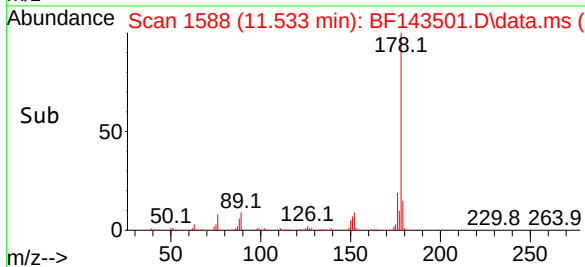
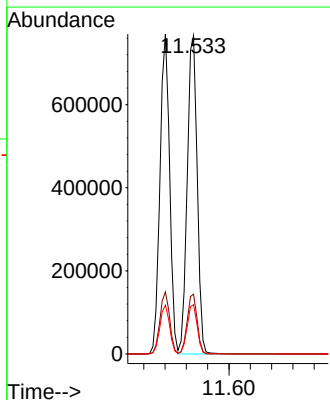
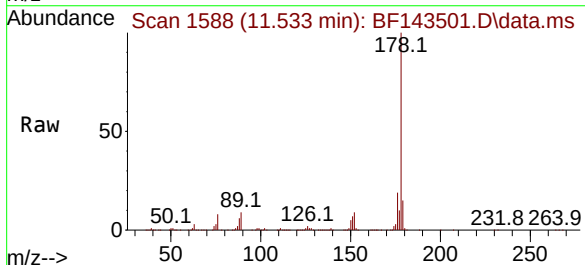
Manual Integrations
APPROVED

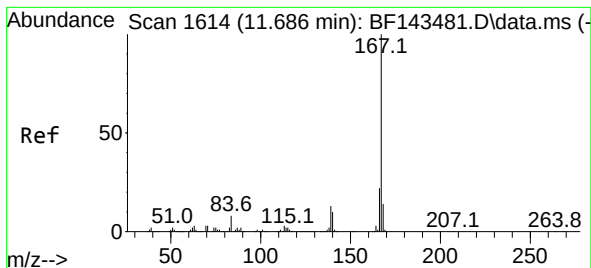
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#72
Anthracene
Concen: 47.262 ng
RT: 11.533 min Scan# 1588
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

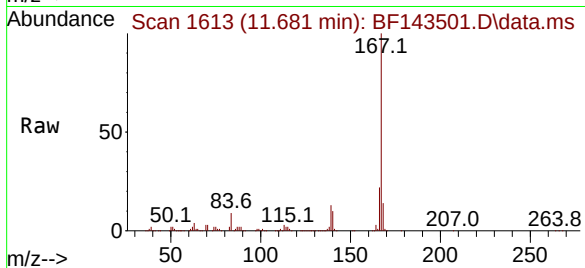
Tgt Ion:178 Resp: 995006
Ion Ratio Lower Upper
178 100
176 18.8 15.0 22.4
179 15.5 12.3 18.5





#73
 Carbazole
 Concen: 46.956 ng
 RT: 11.681 min Scan# 1613
 Delta R.T. -0.006 min
 Lab File: BF143501.D
 Acq: 20 Aug 2025 23:32

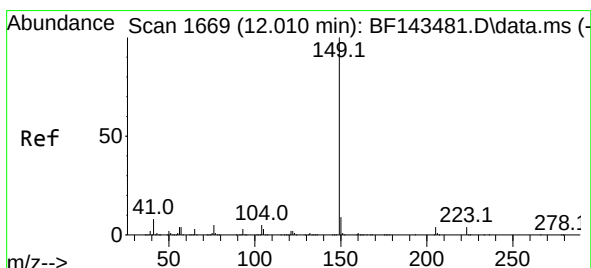
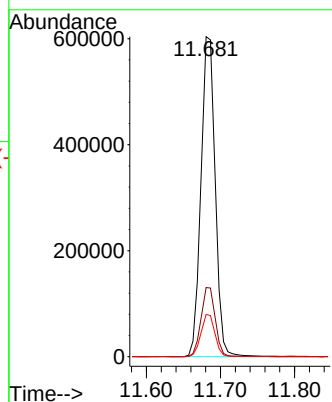
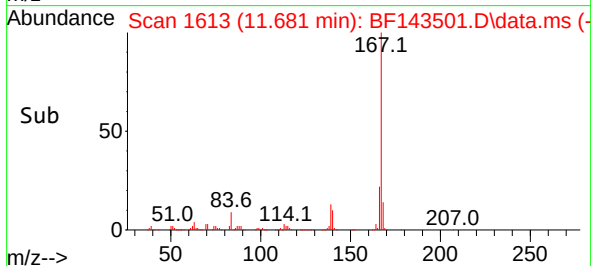
Instrument :
 BNA_F
 ClientSampleId :
 PB169223BSD



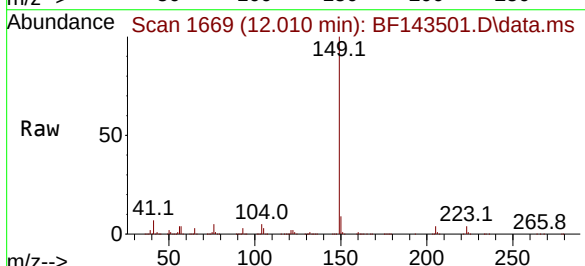
Tgt Ion:167 Resp: 810034
 Ion Ratio Lower Upper
 167 100
 166 21.6 17.3 25.9
 139 13.2 10.0 15.0

Manual Integrations
 APPROVED

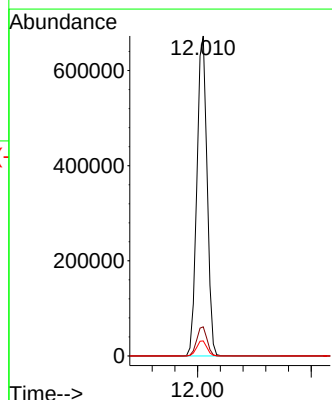
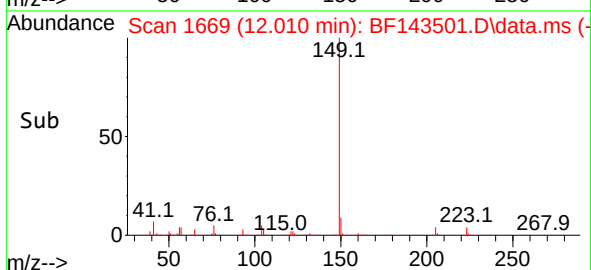
Reviewed By :Rahul Chavli 08/21/2025
 Supervised By :Jagrut Upadhyay 08/21/2025

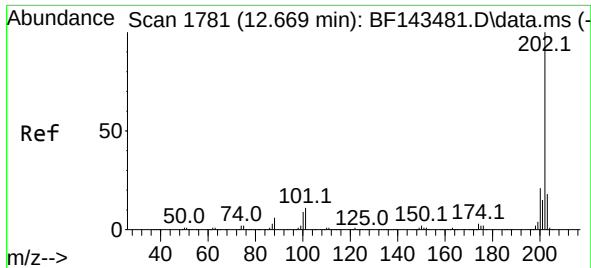


#74
 Di-n-butylphthalate
 Concen: 52.386 ng
 RT: 12.010 min Scan# 1669
 Delta R.T. 0.000 min
 Lab File: BF143501.D
 Acq: 20 Aug 2025 23:32



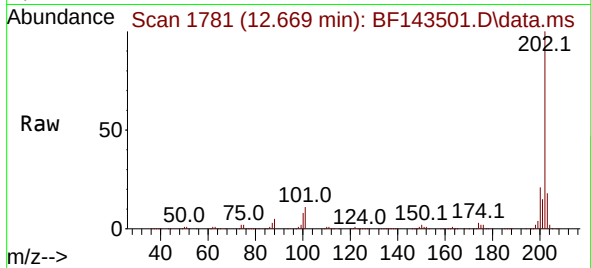
Tgt Ion:149 Resp: 843046
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.2 10.8
 104 4.7 3.6 5.4





#75
Fluoranthene
Concen: 45.633 ng
RT: 12.669 min Scan# 1781
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

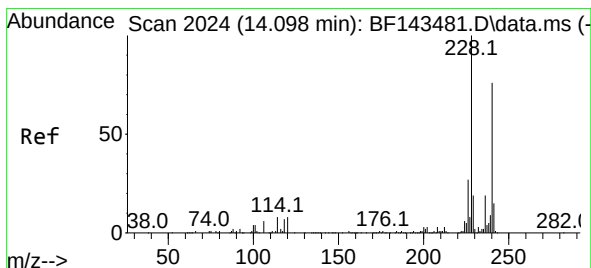
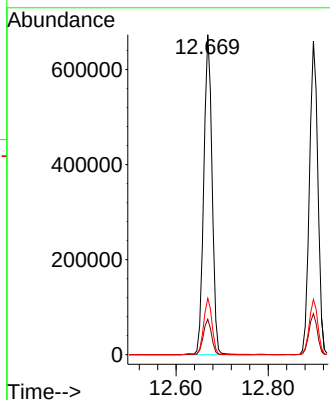
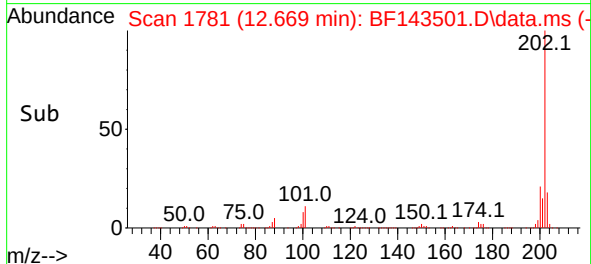
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



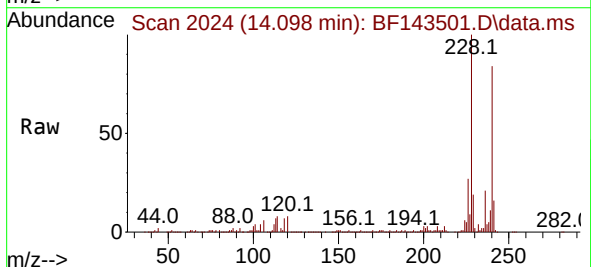
Tgt Ion:202 Resp: 850940
Ion Ratio Lower Upper
202 100
101 11.0 0.0 31.3
203 17.6 0.0 37.9

Manual Integrations
APPROVED

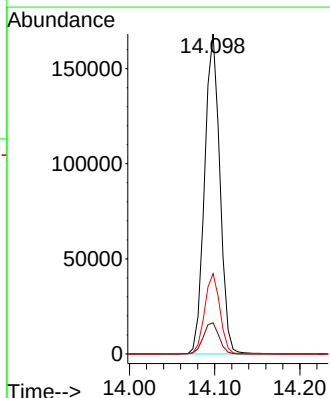
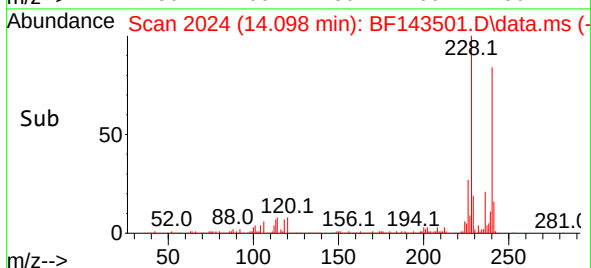
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

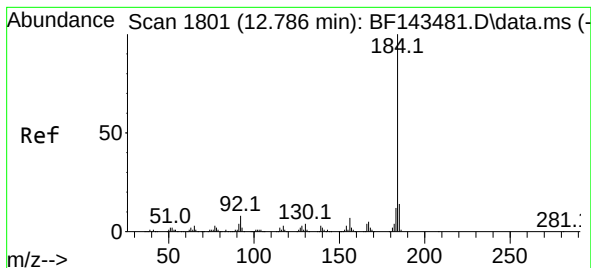


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.098 min Scan# 2024
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



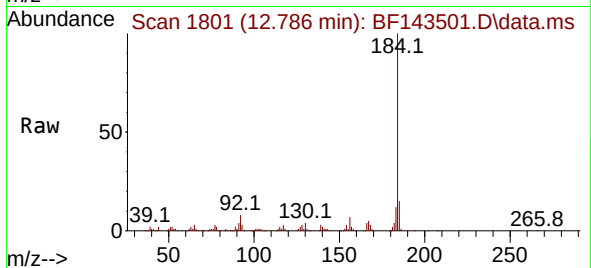
Tgt Ion:240 Resp: 209415
Ion Ratio Lower Upper
240 100
120 9.8 8.6 12.8
236 25.1 20.4 30.6





#77
Benzidine
Concen: 41.464 ng
RT: 12.786 min Scan# 1801
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

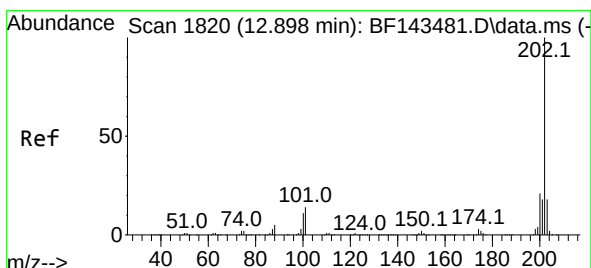
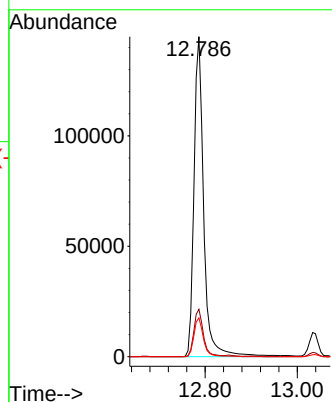
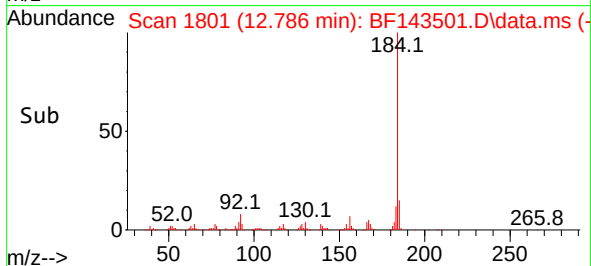
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



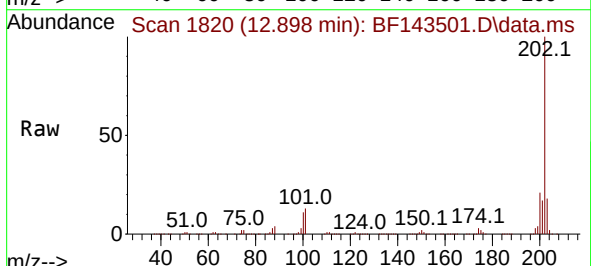
Tgt Ion:184 Resp: 211509
Ion Ratio Lower Upper
184 100
185 14.8 11.3 16.9
183 12.2 9.5 14.3

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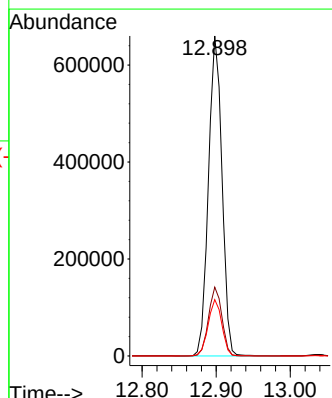
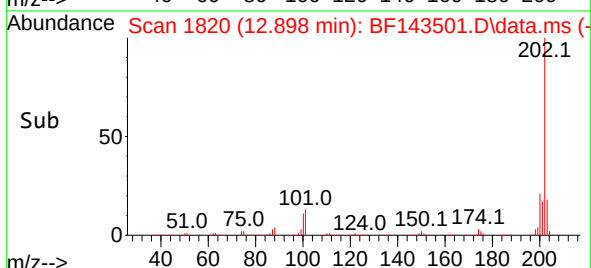
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

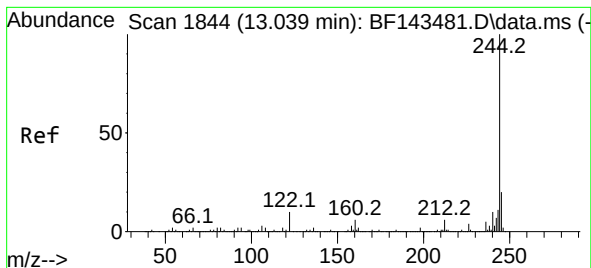


#78
Pyrene
Concen: 48.580 ng
RT: 12.898 min Scan# 1820
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



Tgt Ion:202 Resp: 836842
Ion Ratio Lower Upper
202 100
200 21.5 17.0 25.4
203 17.6 14.3 21.5





#79

Terphenyl-d14

Concen: 96.089 ng

RT: 13.033 min Scan# 1844

Delta R.T. -0.006 min

Lab File: BF143501.D

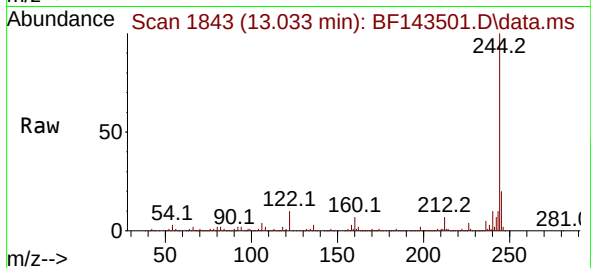
Acq: 20 Aug 2025 23:32

Instrument :

BNA_F

ClientSampleId :

PB169223BSD



Tgt Ion:244 Resp: 115312

Ion Ratio Lower Upper

244 100

212 7.0 5.2 7.8

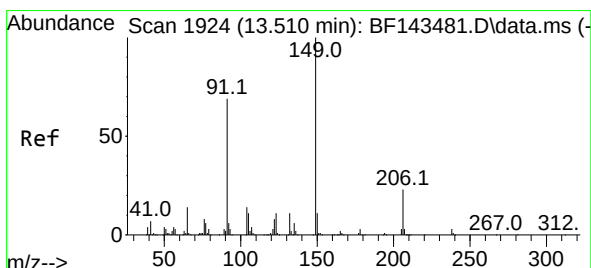
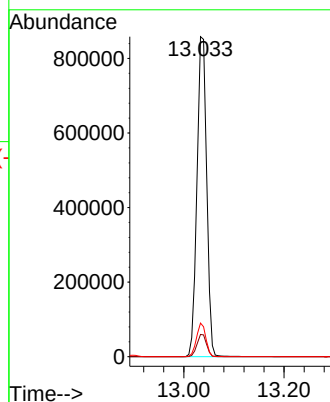
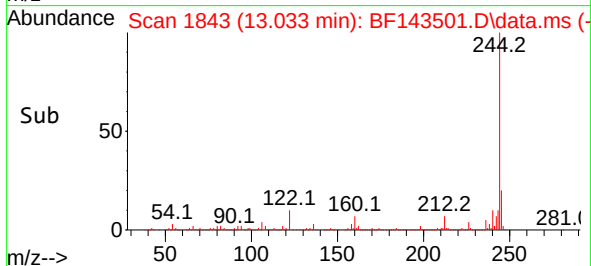
122 10.5 7.9 11.9

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/21/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#80

Butylbenzylphthalate

Concen: 51.418 ng

RT: 13.510 min Scan# 1924

Delta R.T. 0.000 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

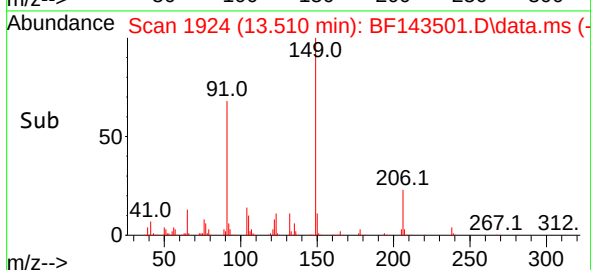
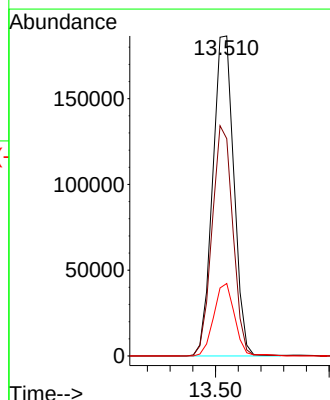
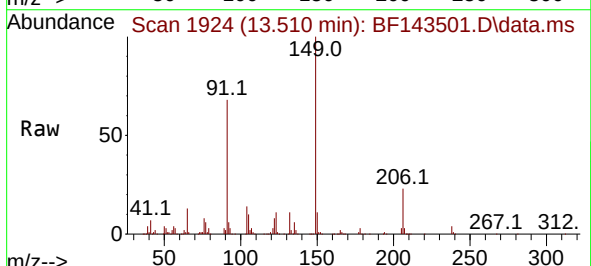
Tgt Ion:149 Resp: 241965

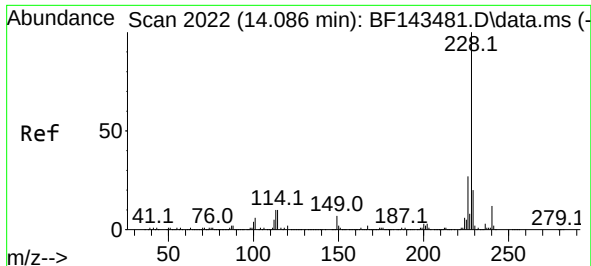
Ion Ratio Lower Upper

149 100

91 67.9 55.3 82.9

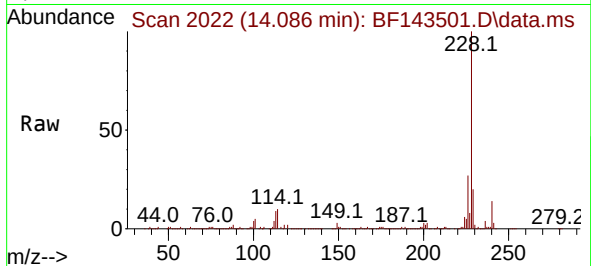
206 22.6 18.2 27.4





#81
Benzo(a)anthracene
Concen: 47.400 ng
RT: 14.086 min Scan# 2022
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

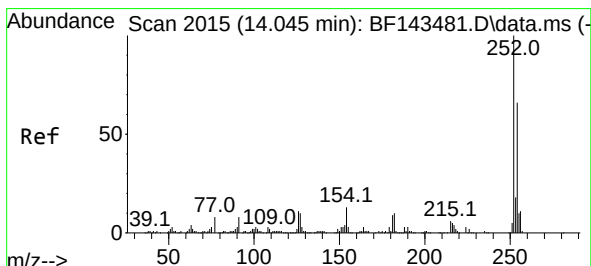
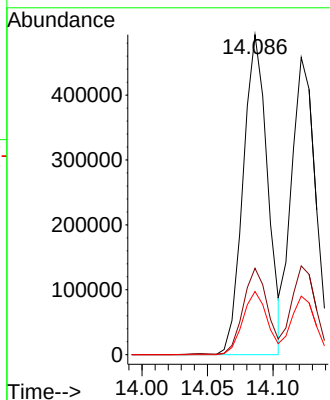
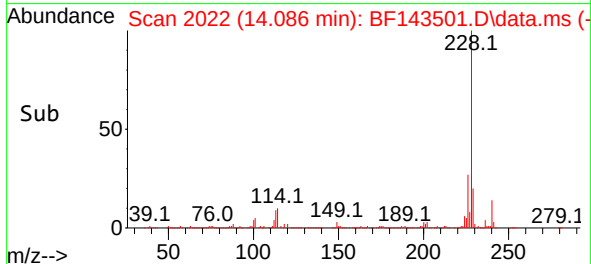
Instrument : BNA_F
ClientSampleId : PB169223BSD



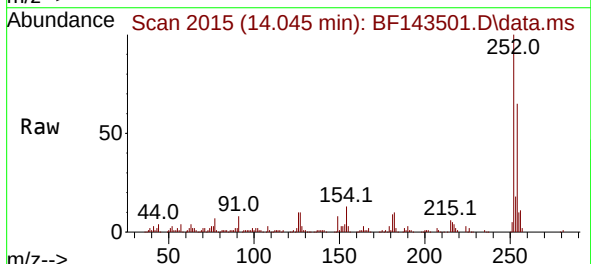
Tgt Ion:228 Resp: 63905
Ion Ratio Lower Upper
228 100
226 27.0 21.7 32.5
229 19.7 15.7 23.5

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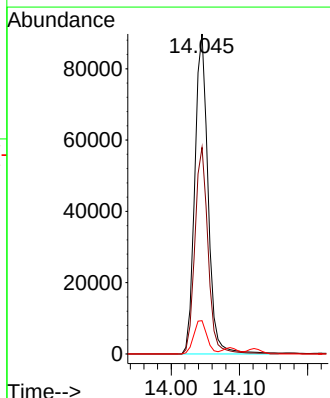
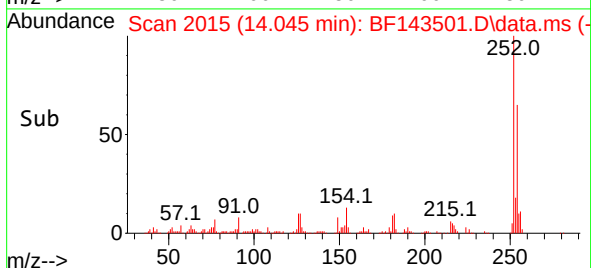
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025

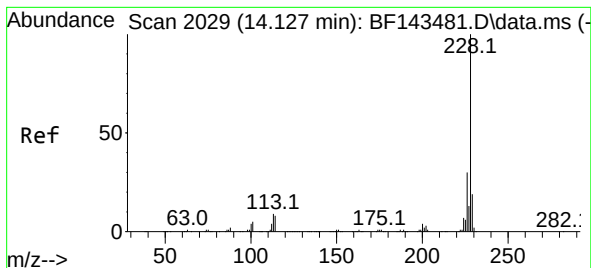


#82
3,3'-Dichlorobenzidine
Concen: 31.480 ng
RT: 14.045 min Scan# 2015
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



Tgt Ion:252 Resp: 121546
Ion Ratio Lower Upper
252 100
254 64.5 52.6 79.0
126 10.4 8.7 13.1





#83

Chrysene

Concen: 48.189 ng

RT: 14.122 min Scan# 2029

Delta R.T. -0.006 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

Instrument :

BNA_F

ClientSampleId :

PB169223BSD

Tgt Ion:228 Resp: 58386

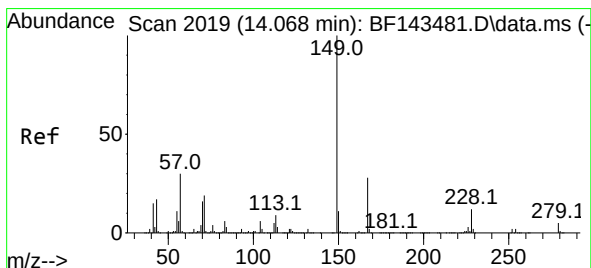
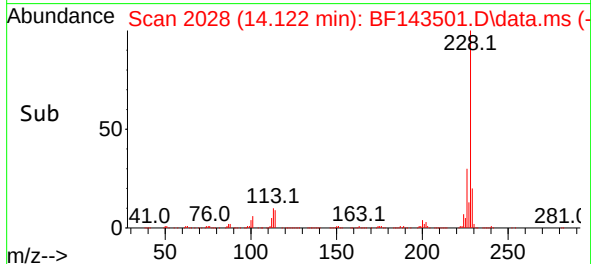
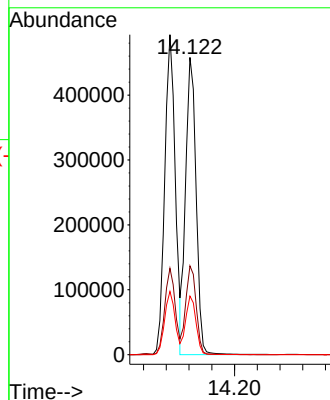
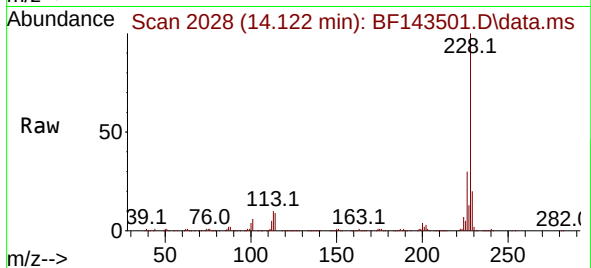
Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.7	35.5
229	19.7	15.7	23.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 08/21/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 49.243 ng

RT: 14.069 min Scan# 2019

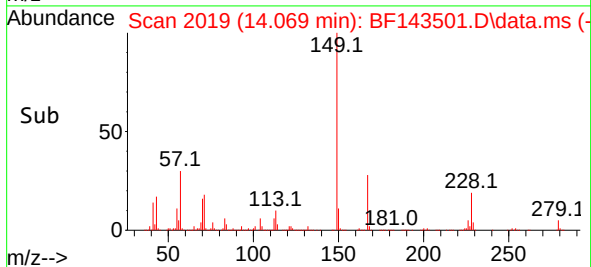
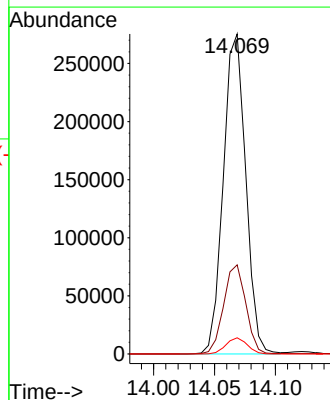
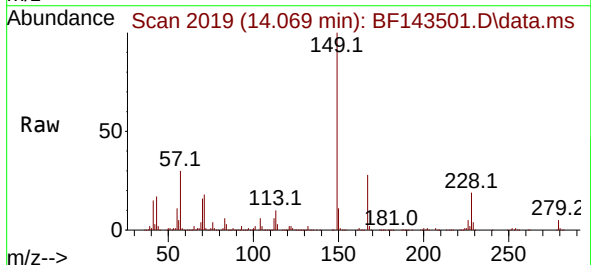
Delta R.T. 0.000 min

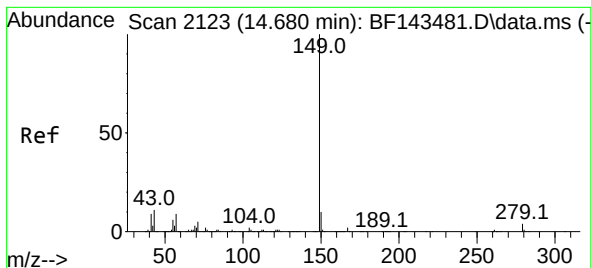
Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

Tgt Ion:149 Resp: 352942

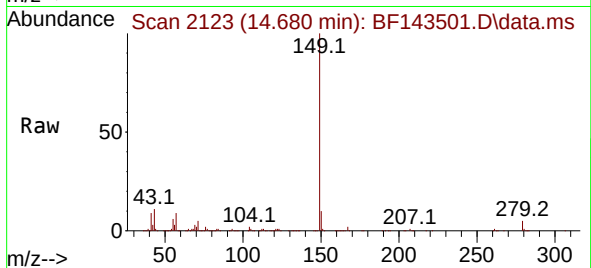
Ion	Ratio	Lower	Upper
149	100		
167	27.8	22.2	33.2
279	5.1	3.6	5.4





#85
Di-n-octyl phthalate
Concen: 49.606 ng
RT: 14.680 min Scan# 2123
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

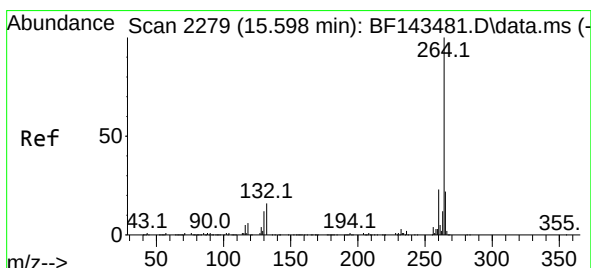
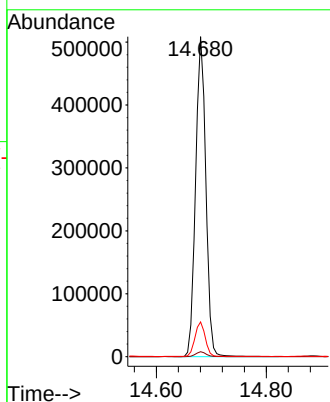
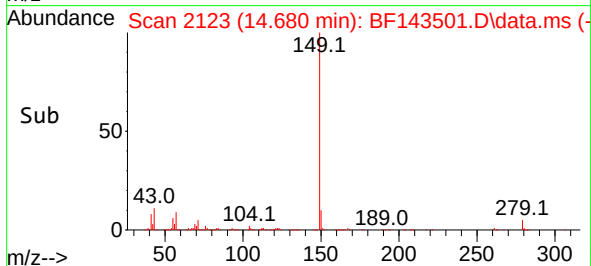
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



Tgt Ion:149 Resp: 658652
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 10.7 8.5 12.7

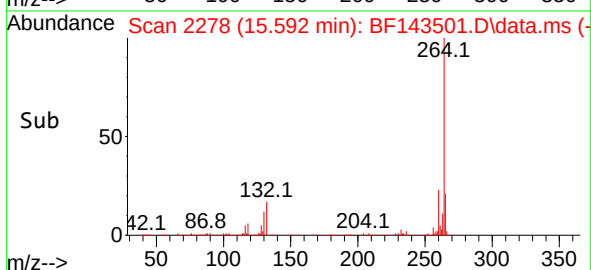
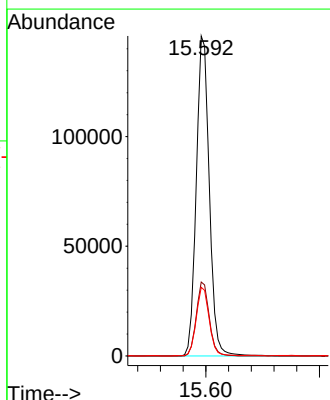
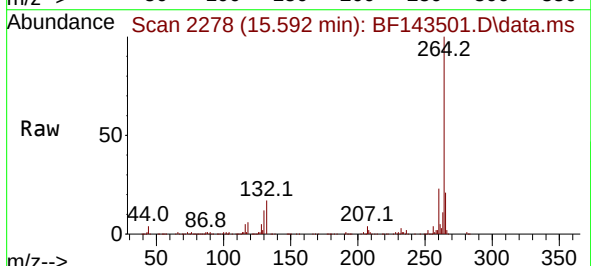
Manual Integrations
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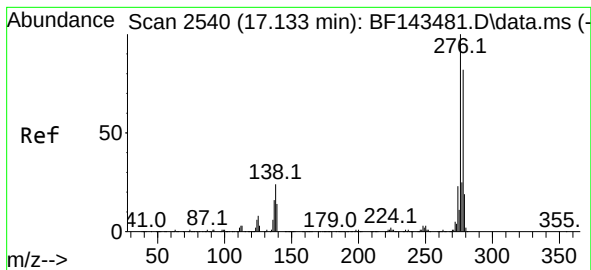
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.592 min Scan# 2278
Delta R.T. -0.006 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

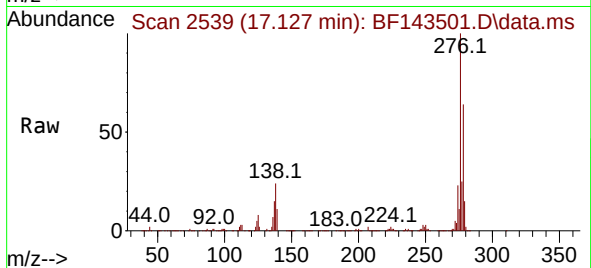
Tgt Ion:264 Resp: 232706
Ion Ratio Lower Upper
264 100
260 23.1 18.7 28.1
265 21.5 17.6 26.4





#87
Indeno(1,2,3-cd)pyrene
Concen: 50.420 ng
RT: 17.127 min Scan# 2539
Delta R.T. -0.012 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

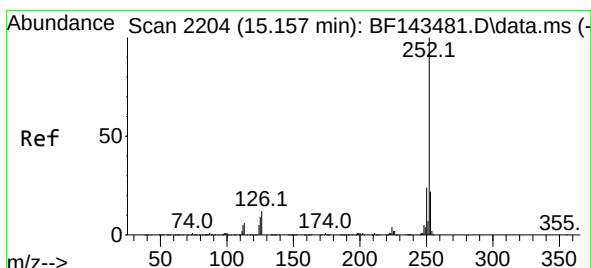
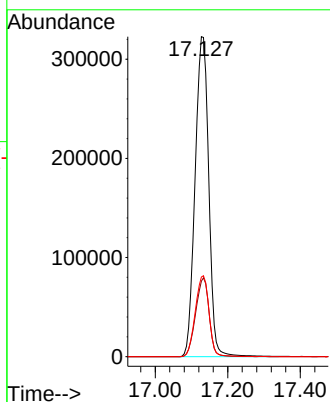
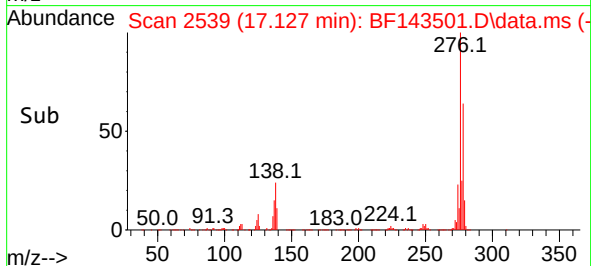
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



Tgt Ion:276 Resp: 843139
Ion Ratio Lower Upper
276 100
138 24.2 19.2 28.8
277 25.4 20.3 30.5

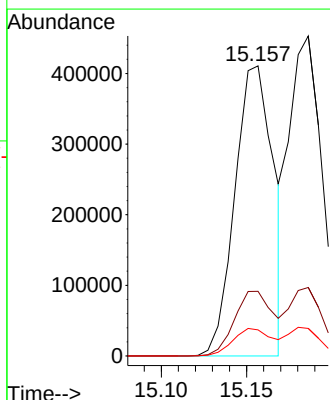
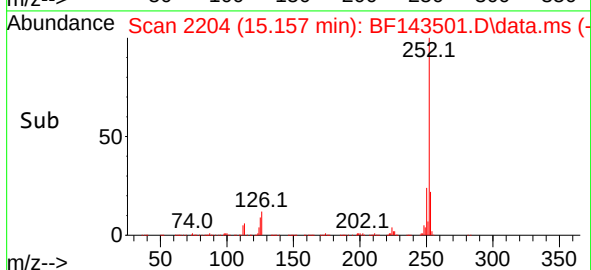
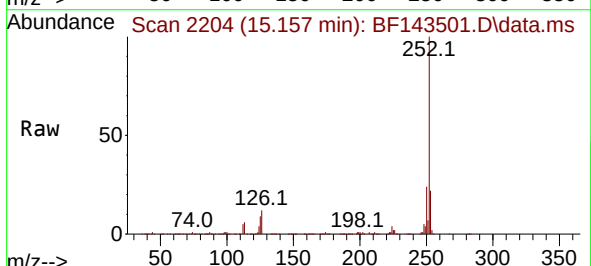
Manual Integrations
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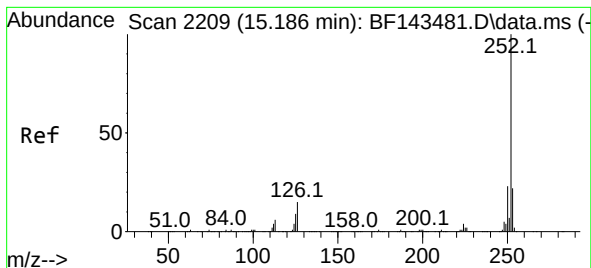
Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#88
Benzo(b)fluoranthene
Concen: 50.075 ng
RT: 15.157 min Scan# 2204
Delta R.T. 0.000 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

Tgt Ion:252 Resp: 647733
Ion Ratio Lower Upper
252 100
253 22.3 17.5 26.3
125 9.0 7.4 11.0





#89

Benzo(k)fluoranthene

Concen: 49.893 ng

RT: 15.186 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143501.D

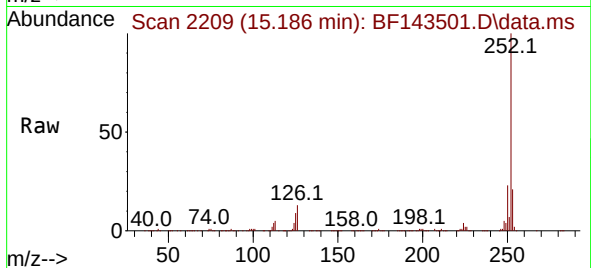
Acq: 20 Aug 2025 23:32

Instrument :

BNA_F

ClientSampleId :

PB169223BSD



Tgt Ion:252 Resp: 617920

Ion Ratio Lower Upper

252 100

253 21.4 17.4 26.2

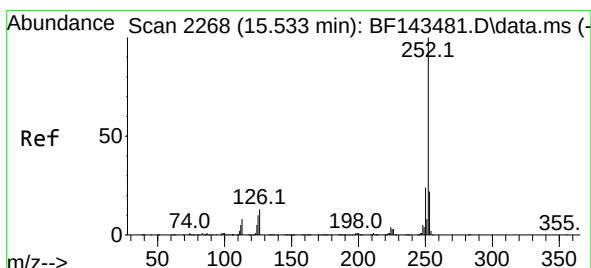
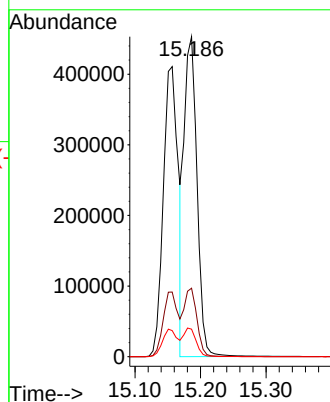
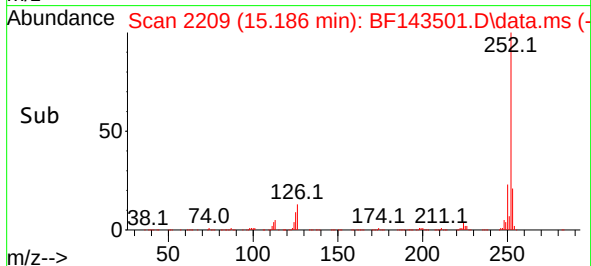
125 8.6 7.4 11.0

Manual Integrations

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Reviewed By :Rahul Chavli 08/21/2025

Supervised By :Jagrut Upadhyay 08/21/2025



#90

Benzo(a)pyrene

Concen: 51.830 ng

RT: 15.533 min Scan# 2268

Delta R.T. -0.006 min

Lab File: BF143501.D

Acq: 20 Aug 2025 23:32

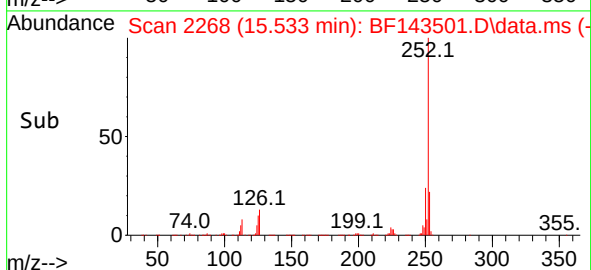
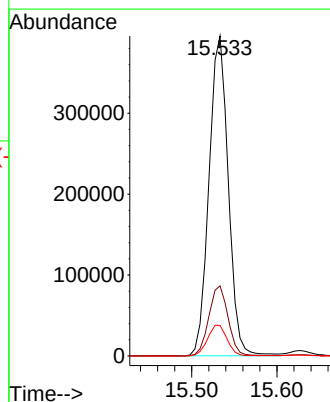
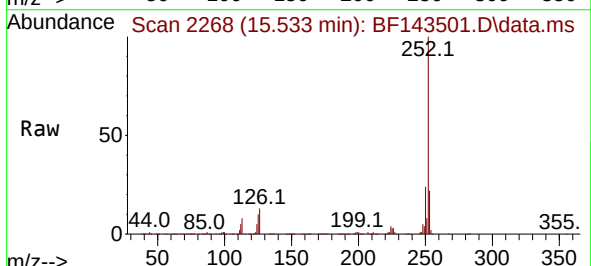
Tgt Ion:252 Resp: 622315

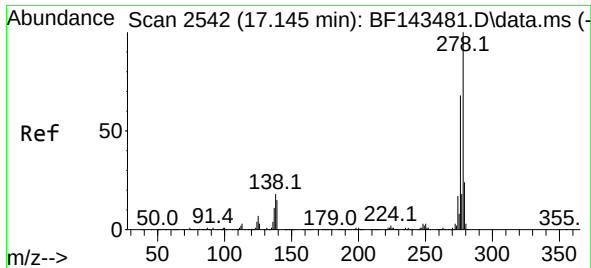
Ion Ratio Lower Upper

252 100

253 21.9 17.4 26.0

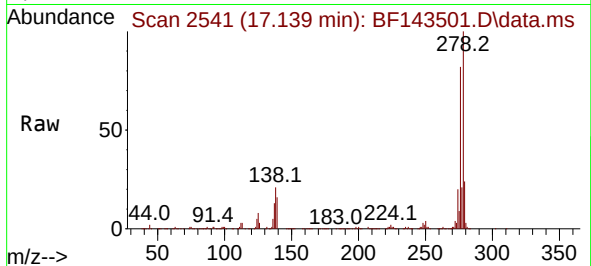
125 9.6 8.2 12.2





#91
Dibenzo(a,h)anthracene
Concen: 51.709 ng
RT: 17.139 min Scan# 2541
Delta R.T. -0.018 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32

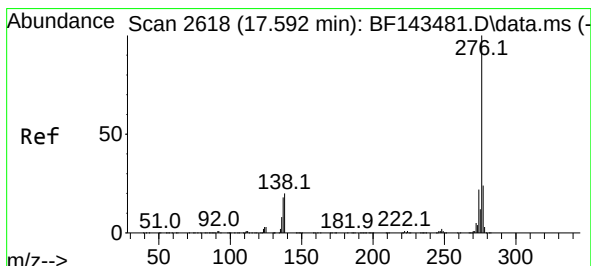
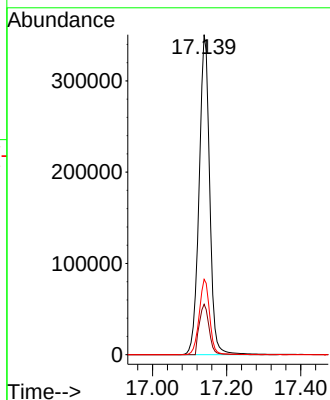
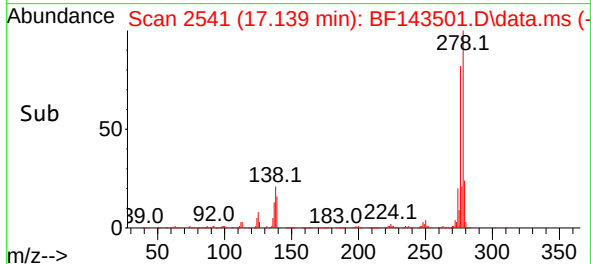
Instrument :
BNA_F
ClientSampleId :
PB169223BSD



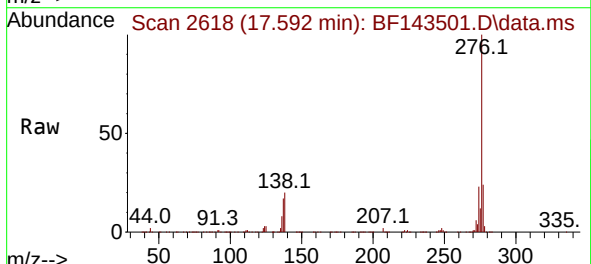
Tgt Ion:278 Resp: 69251
Ion Ratio Lower Upper
278 100
139 15.8 12.1 18.1
279 23.6 19.2 28.8

Manual Integrations
APPROVED

Reviewed By :Rahul Chavli 08/21/2025
Supervised By :Jagrut Upadhyay 08/21/2025



#92
Benzo(g,h,i)perylene
Concen: 51.981 ng
RT: 17.592 min Scan# 2618
Delta R.T. -0.012 min
Lab File: BF143501.D
Acq: 20 Aug 2025 23:32



Tgt Ion:276 Resp: 692232
Ion Ratio Lower Upper
276 100
277 23.6 18.9 28.3
138 20.3 16.3 24.5

