

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF071725\
 Data File : BF143156.D
 Acq On : 17 Jul 2025 19:07
 Operator : RC/JU
 Sample : PB167904BS
 Misc :
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB167904BS

Quant Time: Jul 18 01:03:53 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF071725.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Thu Jul 17 15:14:05 2025
 Response via : Initial Calibration

Manual Integrations APPROVED

Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	152550	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	587118	20.000	ng	0.00
39) Acenaphthene-d10	9.998	164	301482	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	492650	20.000	ng	0.00
76) Chrysene-d12	14.121	240	266484	20.000	ng	0.00
86) Perylene-d12	15.621	264	298208	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.598	112	1066059	110.587	ng	0.01
7) Phenol-d6	6.587	99	1359834	112.070	ng	0.00
23) Nitrobenzene-d5	7.522	82	933949	79.293	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	383173	123.030	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1623323	73.639	ng	0.00
79) Terphenyl-d14	13.069	244	1404290	78.419	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.922	88	161288	35.359	ng	100
3) Pyridine	3.663	79	444496	37.544	ng	98
4) n-Nitrosodimethylamine	3.610	42	257226	42.081	ng	97
6) Aniline	6.622	93	620073	36.668	ng	100
8) 2-Chlorophenol	6.745	128	432193	42.771	ng	100
9) Benzaldehyde	6.510	77	320716	35.249	ng	98
10) Phenol	6.598	94	564947m	42.739	ng	
11) bis(2-Chloroethyl)ether	6.693	93	435274	43.007	ng	100
12) 1,3-Dichlorobenzene	6.904	146	457545	41.682	ng	99
13) 1,4-Dichlorobenzene	6.981	146	456036	41.254	ng	99
14) 1,2-Dichlorobenzene	7.134	146	442479	42.085	ng	100
15) Benzyl Alcohol	7.098	79	404750	43.687	ng	100
16) 2,2'-oxybis(1-Chloropr...	7.234	45	798794	42.546	ng	100
17) 2-Methylphenol	7.204	107	363387	42.770	ng	99
18) Hexachloroethane	7.481	117	164247	42.919	ng	99
19) n-Nitroso-di-n-propyla...	7.369	70	322826	41.470	ng	100
20) 3+4-Methylphenols	7.357	107	444984	43.168	ng	93
22) Acetophenone	7.369	105	589497	42.410	ng	# 98
24) Nitrobenzene	7.540	77	475475	43.299	ng	100
25) Isophorone	7.781	82	895563	43.071	ng	99
26) 2-Nitrophenol	7.857	139	217951	45.732	ng	99
27) 2,4-Dimethylphenol	7.887	122	414161	42.633	ng	99
28) bis(2-Chloroethoxy)met...	7.987	93	529787	42.496	ng	100
29) 2,4-Dichlorophenol	8.098	162	350137	42.738	ng	99
30) 1,2,4-Trichlorobenzene	8.187	180	373488	42.198	ng	100
31) Naphthalene	8.269	128	1230280	42.548	ng	100
32) Benzoic acid	7.998	122	230524	42.760	ng	99
33) 4-Chloroaniline	8.304	127	272965	23.120	ng	98
34) Hexachlorobutadiene	8.387	225	230153	42.568	ng	99
35) Caprolactam	8.669	113	115991m	46.853	ng	
36) 4-Chloro-3-methylphenol	8.781	107	391449	43.960	ng	99
37) 2-Methylnaphthalene	8.957	142	752372	42.760	ng	100
38) 1-Methylnaphthalene	9.057	142	780624	43.084	ng	99
40) 1,2,4,5-Tetrachloroben...	9.128	216	363131	41.719	ng	99
41) Hexachlorocyclopentadiene	9.116	237	483087	85.298	ng	100
43) 2,4,6-Trichlorophenol	9.228	196	256818	42.632	ng	99

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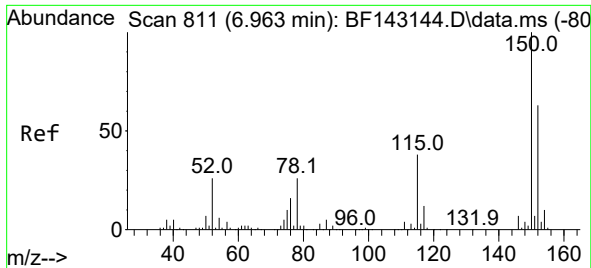
Manual Integrations
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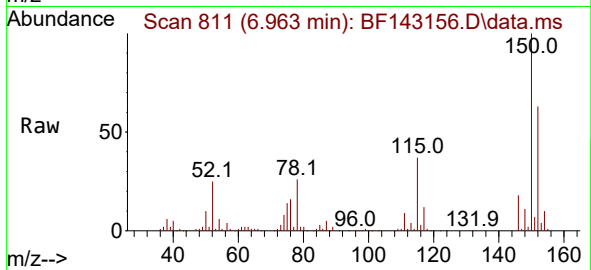
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.269	196	276335	45.859	ng	99
46) 1,1'-Biphenyl	9.422	154	1005145	42.733	ng	100
47) 2-Chloronaphthalene	9.445	162	736404	42.312	ng	100
48) 2-Nitroaniline	9.534	65	250445	45.887	ng	99
49) Acenaphthylene	9.863	152	1257178	43.103	ng	100
50) Dimethylphthalate	9.716	163	867683	44.154	ng	100
51) 2,6-Dinitrotoluene	9.775	165	186927	46.759	ng	99
52) Acenaphthene	10.034	154	797873	46.283	ng	99
53) 3-Nitroaniline	9.939	138	151502	32.400	ng	97
54) 2,4-Dinitrophenol	10.045	184	173409	94.400	ng	# 16
55) Dibenzofuran	10.204	168	1081240	42.245	ng	99
56) 4-Nitrophenol	10.092	139	313283	89.721	ng	99
57) 2,4-Dinitrotoluene	10.181	165	246180	49.084	ng	97
58) Fluorene	10.551	166	816869	42.525	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	227947	45.667	ng	99
60) Diethylphthalate	10.422	149	856162	44.079	ng	99
61) 4-Chlorophenyl-phenylether	10.539	204	411445	43.016	ng	99
62) 4-Nitroaniline	10.557	138	185900	46.388	ng	99
63) Azobenzene	10.698	77	887115	43.822	ng	100
65) 4,6-Dinitro-2-methylph...	10.586	198	114288	44.675	ng	99
66) n-Nitrosodiphenylamine	10.657	169	742051	42.775	ng	99
67) 4-Bromophenyl-phenylether	11.028	248	256194	43.637	ng	100
68) Hexachlorobenzene	11.098	284	270149	44.023	ng	99
69) Atrazine	11.181	200	220468	46.098	ng	100
70) Pentachlorophenol	11.286	266	323924	89.760	ng	97
71) Phenanthrene	11.510	178	1127430	43.101	ng	100
72) Anthracene	11.563	178	1148719	43.058	ng	100
73) Carbazole	11.710	167	1012746	43.474	ng	100
74) Di-n-butylphthalate	12.045	149	1189417	45.124	ng	100
75) Fluoranthene	12.698	202	1050731	43.763	ng	99
77) Benzidine	12.810	184	507908	49.470	ng	100
78) Pyrene	12.927	202	1045578	45.974	ng	100
80) Butylbenzylphthalate	13.539	149	335472	48.171	ng	99
81) Benzo(a)anthracene	14.110	228	787356	44.131	ng	100
82) 3,3'-Dichlorobenzidine	14.069	252	162682	27.359	ng	99
83) Chrysene	14.151	228	750808	46.806	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	497954	47.240	ng	100
85) Di-n-octyl phthalate	14.716	149	883061	46.217	ng	99
87) Indeno(1,2,3-cd)pyrene	17.162	276	942651	44.829	ng	100
88) Benzo(b)fluoranthene	15.180	252	866367	47.556	ng	99
89) Benzo(k)fluoranthene	15.210	252	703769	43.291	ng	99
90) Benzo(a)pyrene	15.563	252	758723	45.203	ng	100
91) Dibenzo(a,h)anthracene	17.180	278	767704	44.855	ng	99
92) Benzo(g,h,i)perylene	17.627	276	737983	44.575	ng	99

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



#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

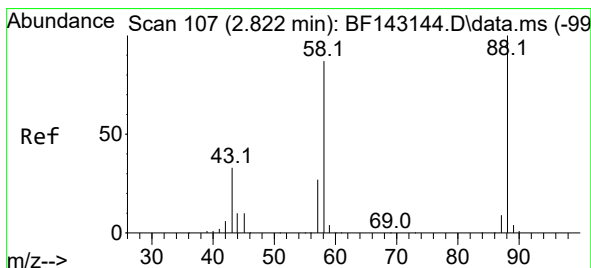
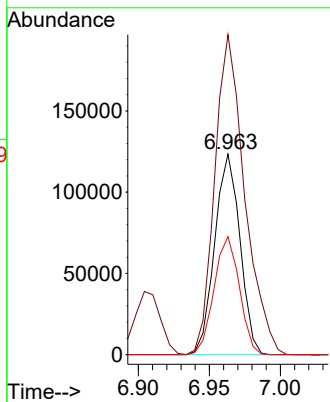
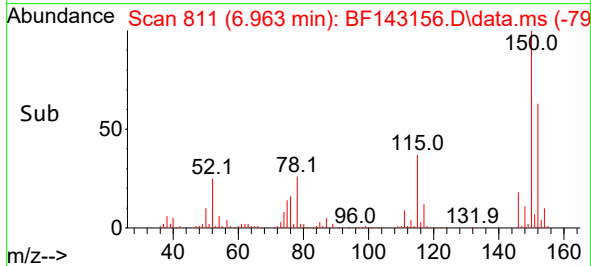
Instrument :
BNA_F
ClientSampleId :
PB167904BS



Tgt Ion:152 Resp: 152550
Ion Ratio Lower Upper
152 100
150 159.6 128.2 192.4
115 58.9 47.9 71.9

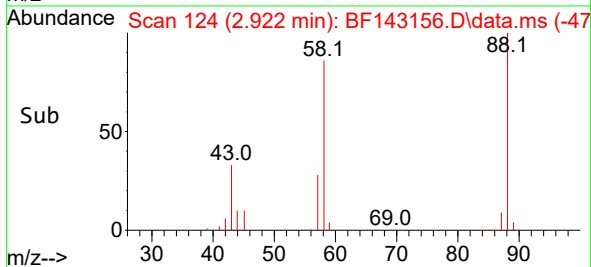
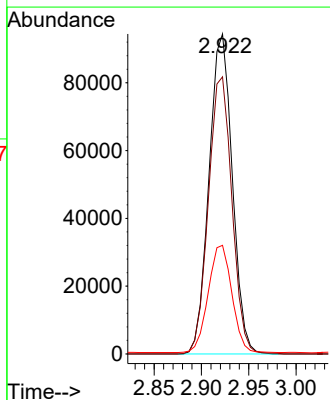
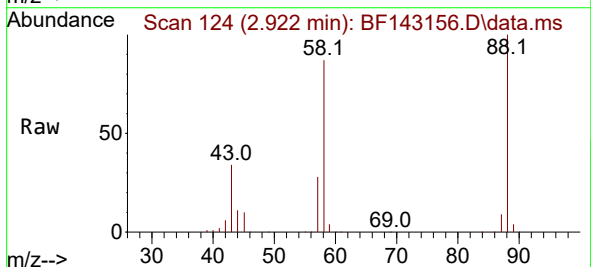
Manual Integrations
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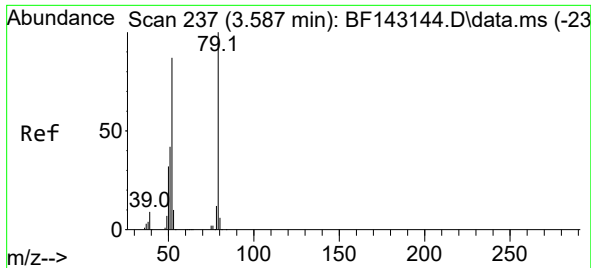
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#2
1,4-Dioxane
Concen: 35.359 ng
RT: 2.922 min Scan# 124
Delta R.T. 0.100 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

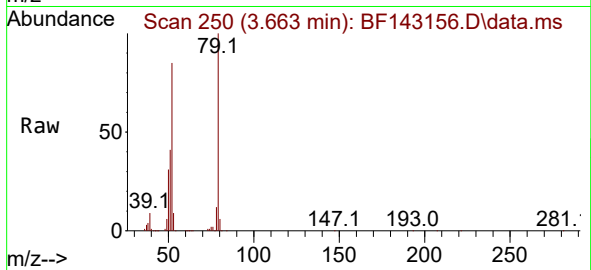
Tgt Ion: 88 Resp: 161288
Ion Ratio Lower Upper
88 100
58 87.8 70.2 105.2
43 34.1 27.1 40.7





#3
 Pyridine
 Concen: 37.544 ng
 RT: 3.663 min Scan# 241
 Delta R.T. 0.077 min
 Lab File: BF143156.D
 Acq: 17 Jul 2025 19:07

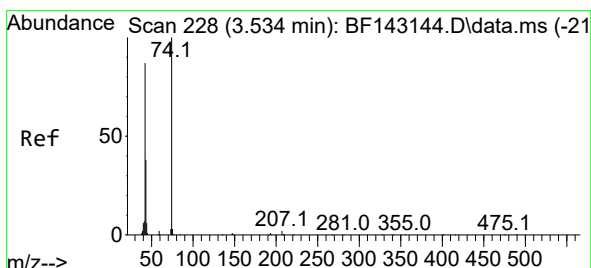
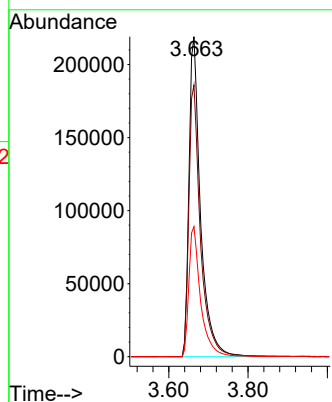
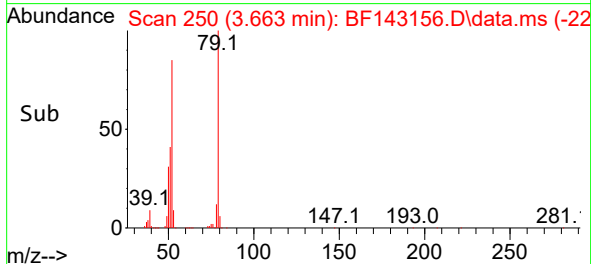
Instrument :
 BNA_F
 ClientSampleId :
 PB167904BS



Tgt Ion: 79 Resp: 444490
 Ion Ratio Lower Upper
 79 100
 52 84.9 69.4 104.2
 51 40.6 33.5 50.3

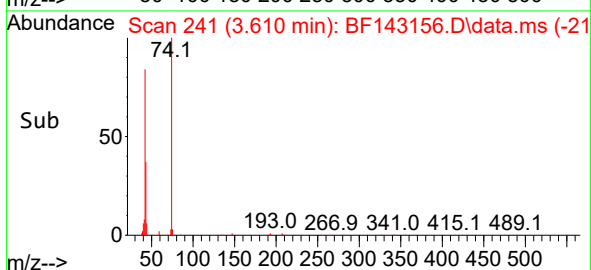
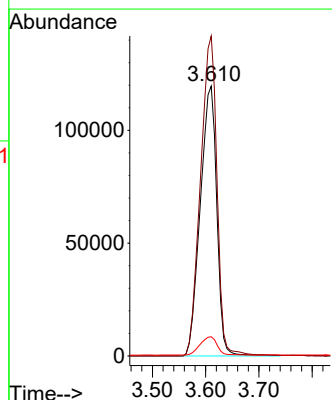
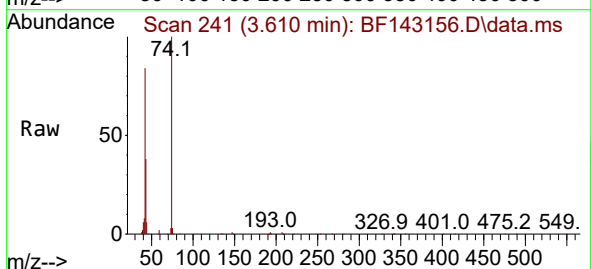
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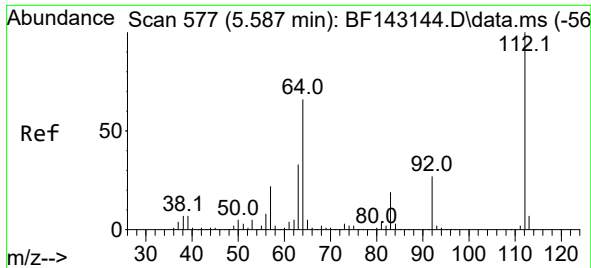
Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025



#4
 n-Nitrosodimethylamine
 Concen: 42.081 ng
 RT: 3.610 min Scan# 241
 Delta R.T. 0.077 min
 Lab File: BF143156.D
 Acq: 17 Jul 2025 19:07

Tgt Ion: 42 Resp: 257226
 Ion Ratio Lower Upper
 42 100
 74 118.6 91.7 137.5
 44 7.1 5.6 8.4





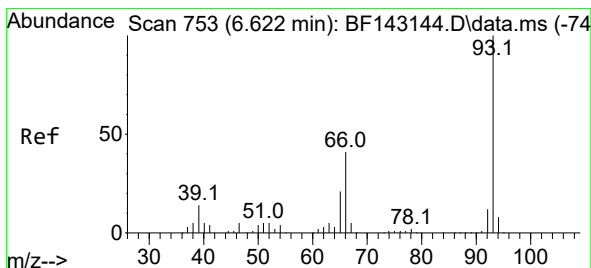
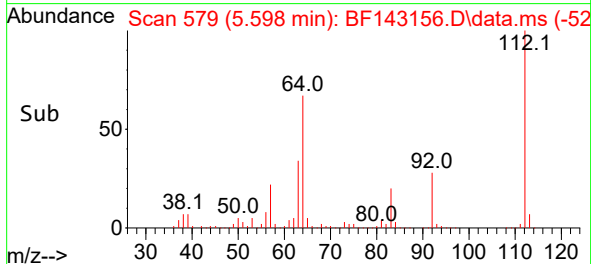
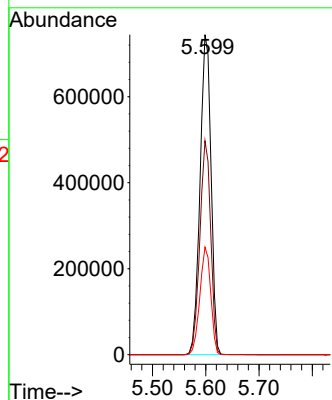
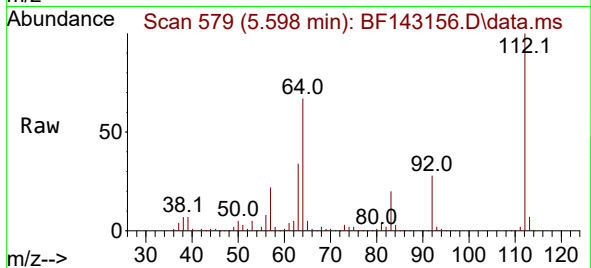
#5
2-Fluorophenol
Concen: 110.587 ng
RT: 5.598 min Scan# 51
Delta R.T. 0.012 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

Instrument :
BNA_F
ClientSampleId :
PB167904BS

Tgt Ion:112 Resp: 1066059
Ion Ratio Lower Upper
112 100
64 66.8 53.1 79.7
63 33.6 26.6 40.0

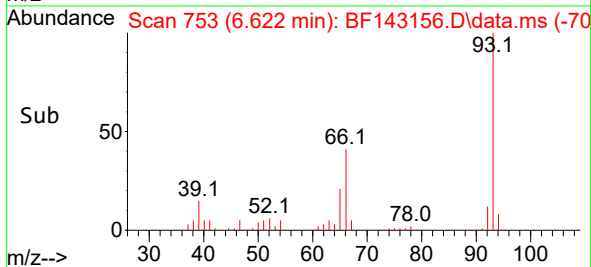
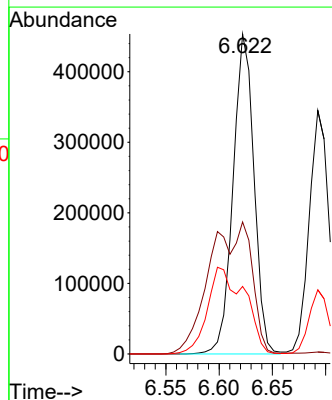
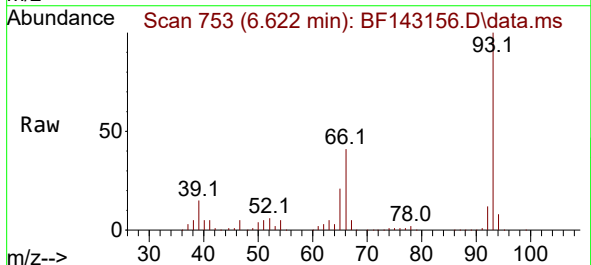
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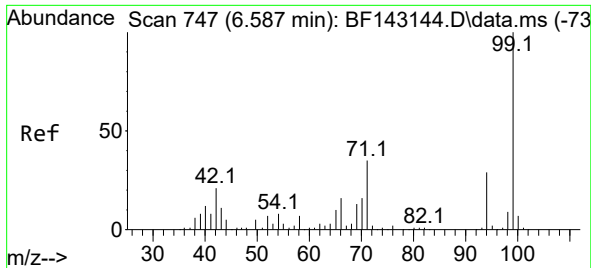
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#6
Aniline
Concen: 36.668 ng
RT: 6.622 min Scan# 753
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

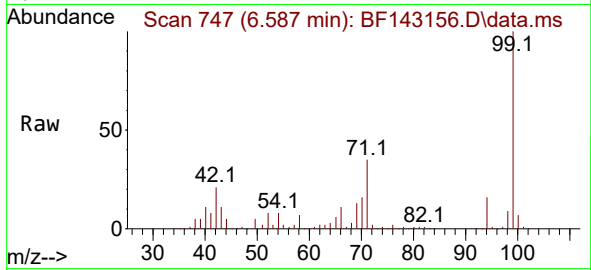
Tgt Ion: 93 Resp: 620073
Ion Ratio Lower Upper
93 100
66 41.3 33.2 49.8
65 21.1 16.9 25.3





#7
Phenol-d6
Concen: 112.070 ng
RT: 6.587 min Scan# 747
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

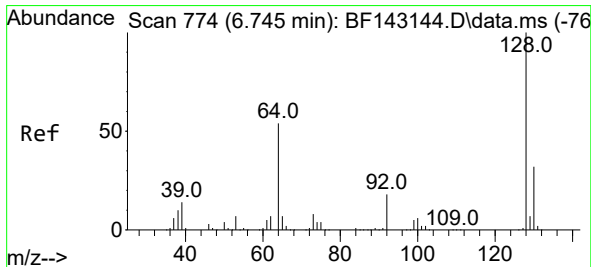
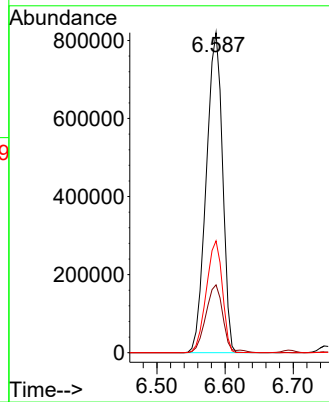
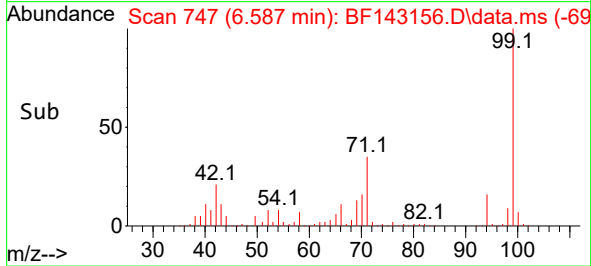
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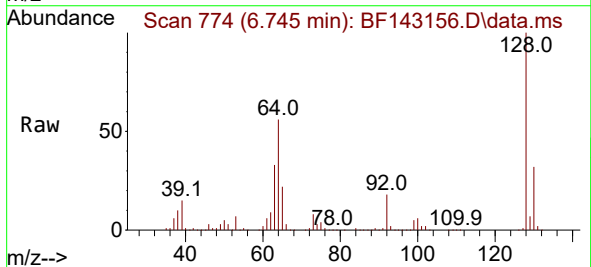
Tgt Ion: 99 Resp: 1359834
Ion Ratio Lower Upper
99 100
42 21.2 17.0 25.6
71 34.9 27.7 41.5

Manual Integrations
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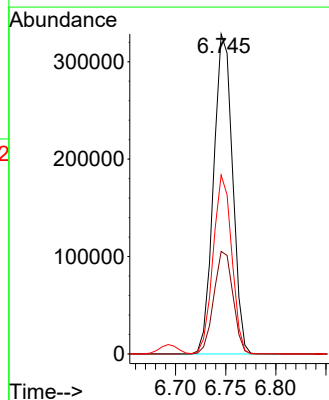
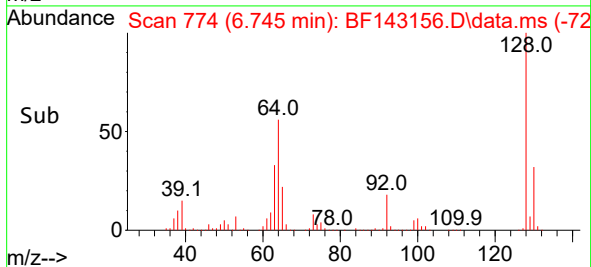
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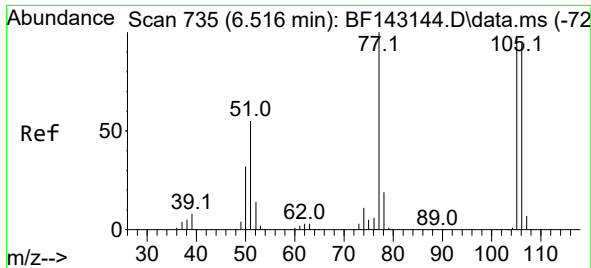


#8
2-Chlorophenol
Concen: 42.771 ng
RT: 6.745 min Scan# 774
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07



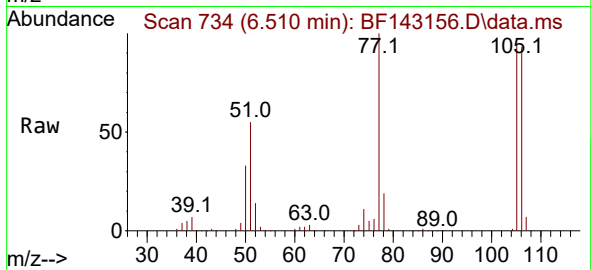
Tgt Ion:128 Resp: 432193
Ion Ratio Lower Upper
128 100
130 32.1 12.3 52.3
64 55.9 35.9 75.9





#9
Benzaldehyde
Concen: 35.249 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

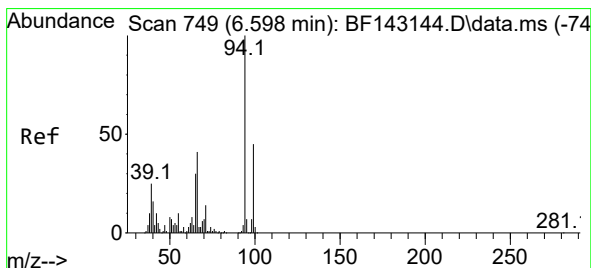
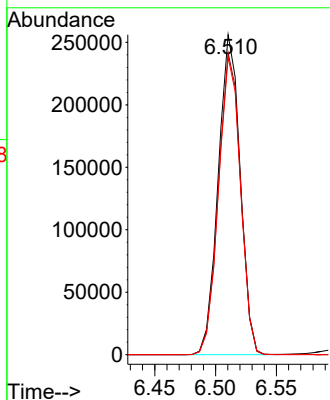
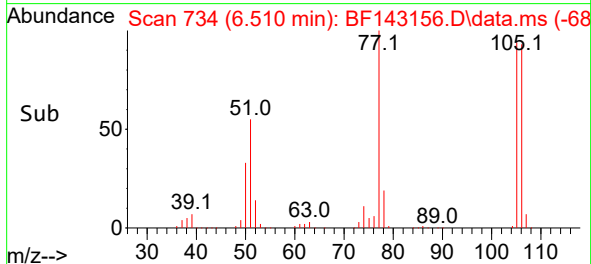
Instrument :
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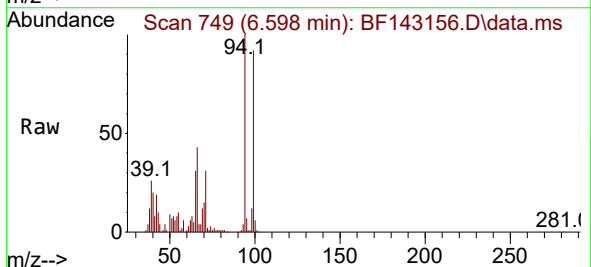
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Ion Ratio Lower Upper
77 100
105 94.4 76.8 116.8
106 93.0 74.4 114.4

Manual Integrations
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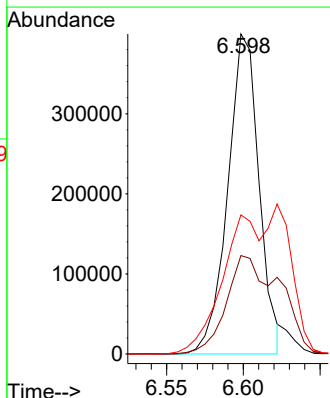
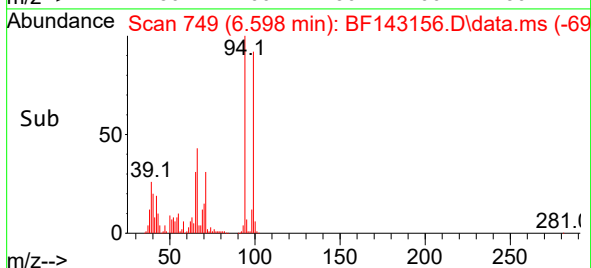
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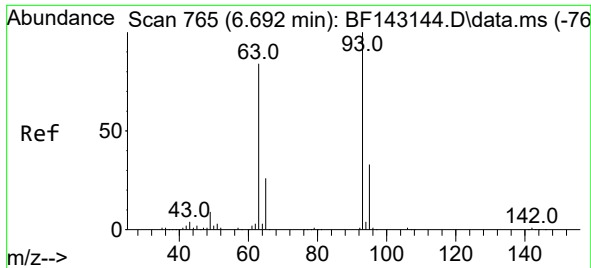


#10
Phenol
Concen: 42.739 ng m
RT: 6.598 min Scan# 749
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07



Tgt Ion: 94 Resp: 564947
Ion Ratio Lower Upper
94 100
65 30.7 10.0 50.0
66 43.4 20.8 60.8





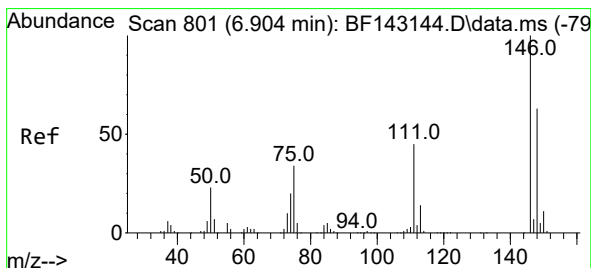
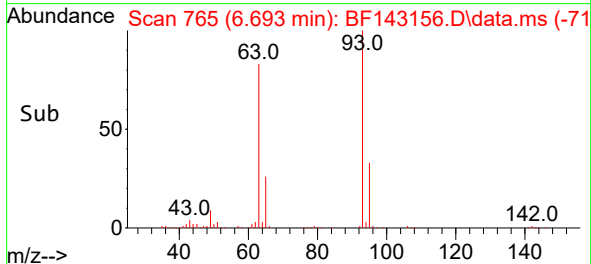
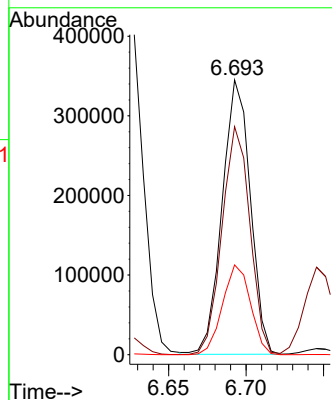
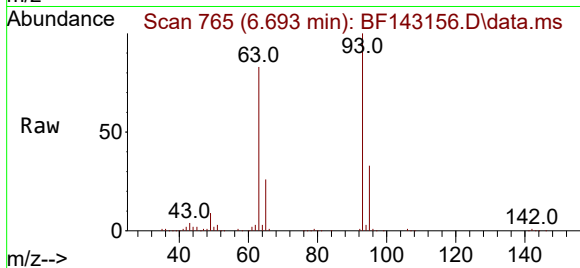
#11
bis(2-Chloroethyl)ether
Concen: 43.007 ng
RT: 6.693 min Scan# 701
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

Instrument :
BNA_F
ClientSampleId :
PB167904BS

Tgt Ion: 93 Resp: 435274
Ion Ratio Lower Upper
93 100
63 83.0 63.4 103.4
95 32.7 12.4 52.4

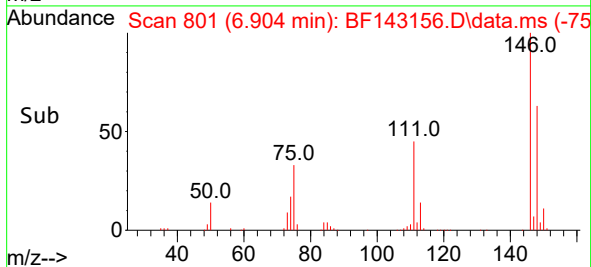
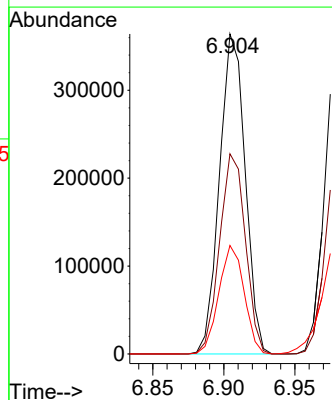
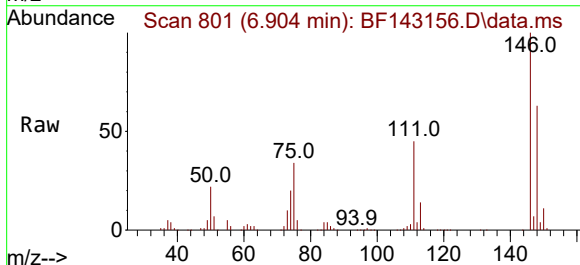
Manual Integrations
APPROVED

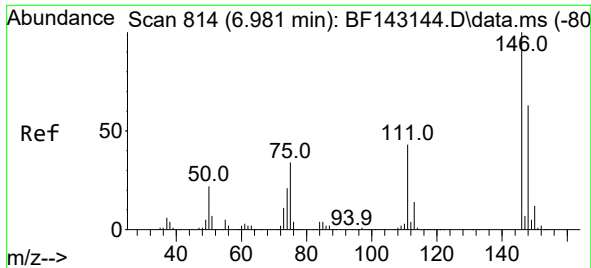
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#12
1,3-Dichlorobenzene
Concen: 41.682 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

Tgt Ion:146 Resp: 457545
Ion Ratio Lower Upper
146 100
148 62.6 50.6 76.0
75 33.9 27.4 41.2





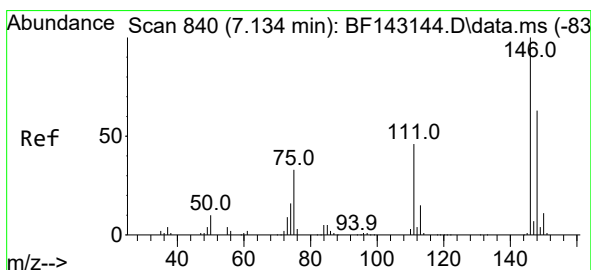
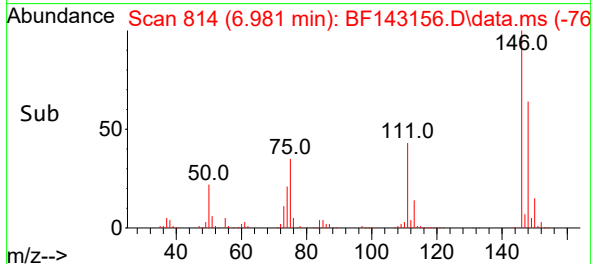
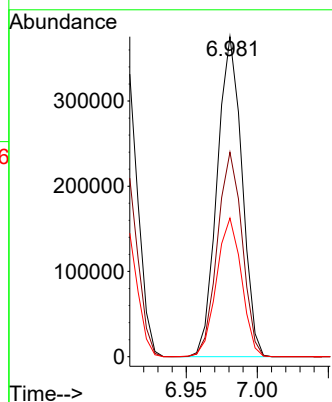
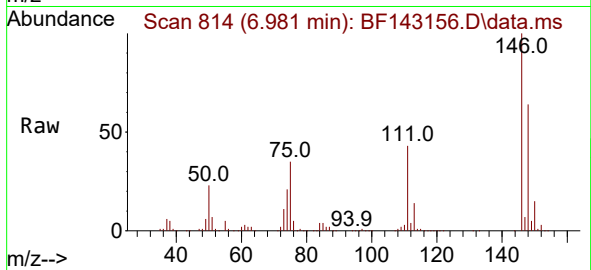
#13
1,4-Dichlorobenzene
Concen: 41.254 ng
RT: 6.981 min Scan# 814
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

Instrument :
BNA_F
ClientSampleId :
PB167904BS

Tgt Ion:146 Resp: 456030
Ion Ratio Lower Upper
146 100
148 63.9 50.3 75.5
111 43.3 34.4 51.6

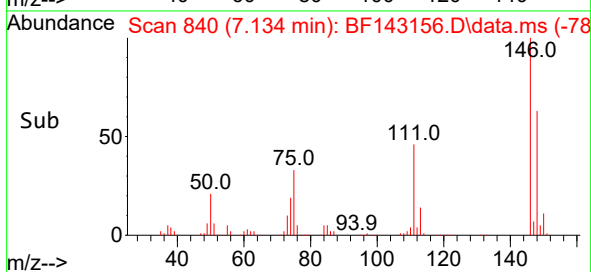
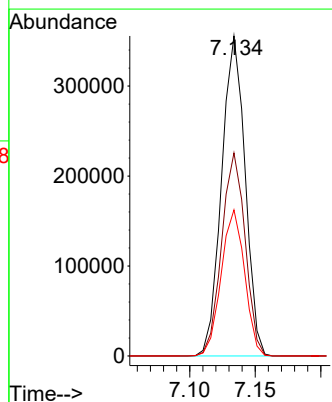
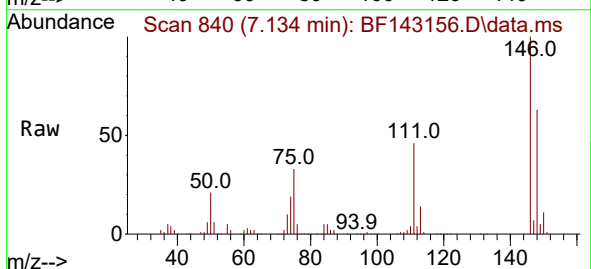
Manual Integrations
APPROVED

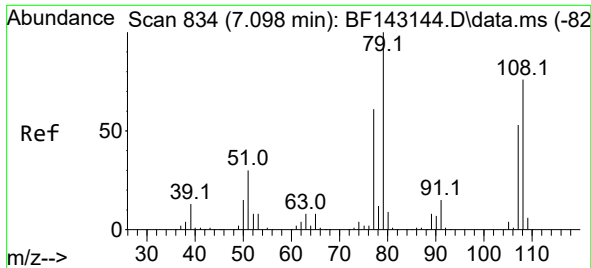
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#14
1,2-Dichlorobenzene
Concen: 42.085 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

Tgt Ion:146 Resp: 442479
Ion Ratio Lower Upper
146 100
148 63.5 50.7 76.1
111 45.6 36.6 54.8





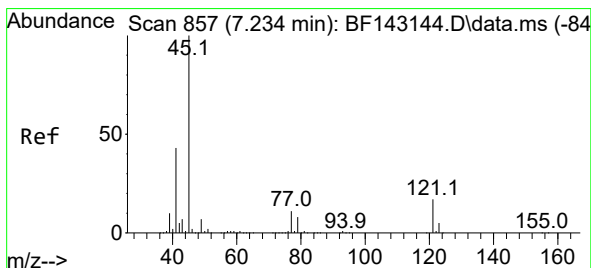
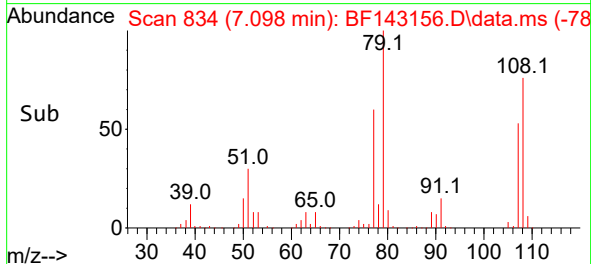
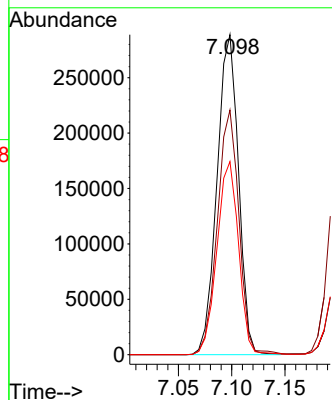
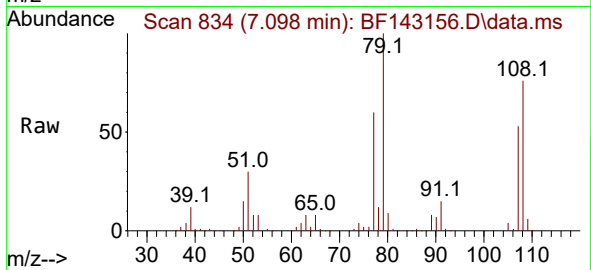
#15
Benzyl Alcohol
Concen: 43.687 ng
RT: 7.098 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

Instrument :
BNA_F
ClientSampleId :
PB167904BS

Tgt Ion: 79 Resp: 404750
Ion Ratio Lower Upper
79 100
108 76.5 61.1 91.7
77 60.4 48.9 73.3

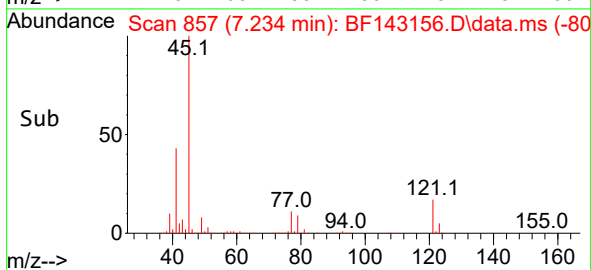
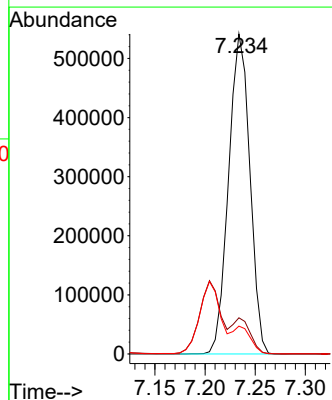
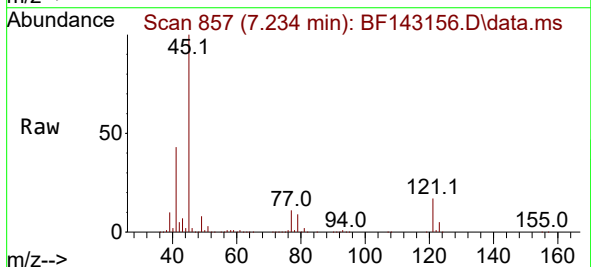
Manual Integrations
APPROVED

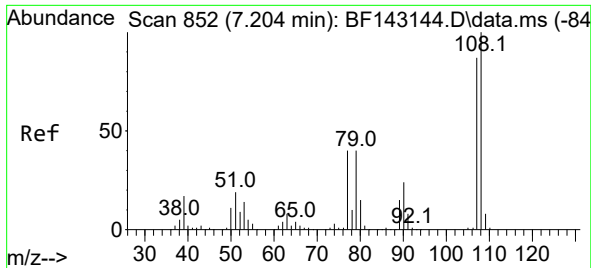
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 42.546 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

Tgt Ion: 45 Resp: 798794
Ion Ratio Lower Upper
45 100
77 11.3 0.0 31.2
79 8.7 0.0 28.5





#17
2-Methylphenol
Concen: 42.770 ng
RT: 7.204 min Scan# 852
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

Instrument :

BNA_F

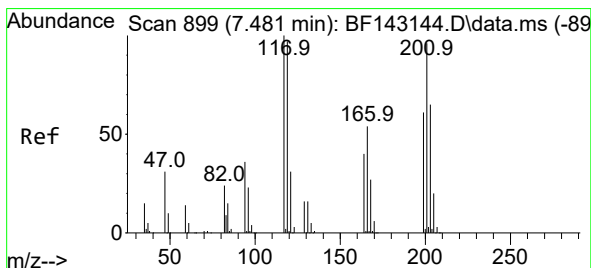
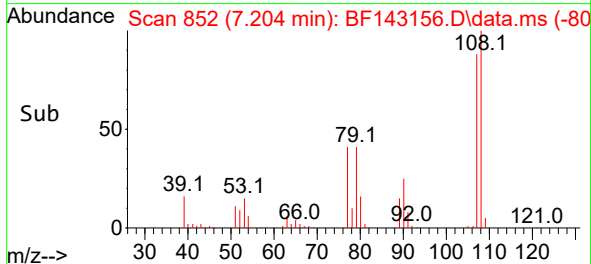
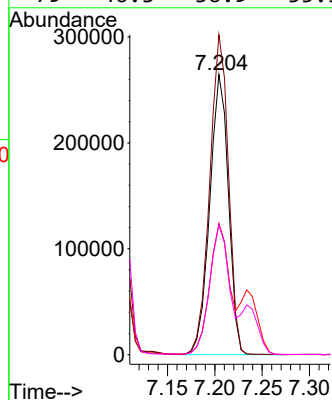
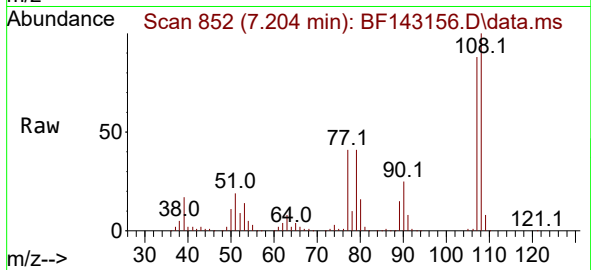
ClientSampleId :

PB167904BS

Tgt Ion:107 Resp: 36338
Ion Ratio Lower Upper
107 100
108 114.2 91.8 137.6
77 46.9 37.0 55.6
79 46.3 36.9 55.3

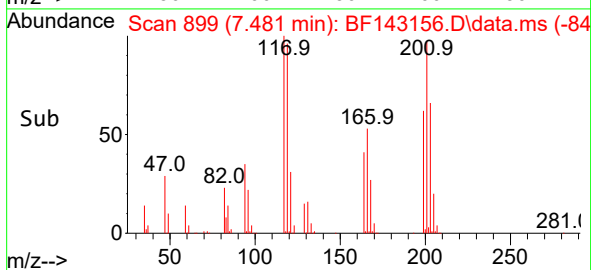
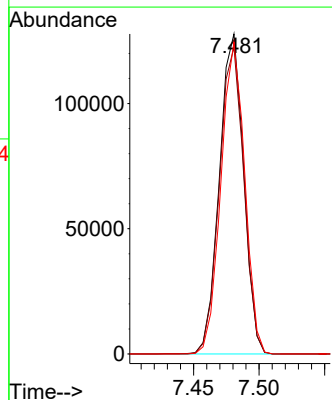
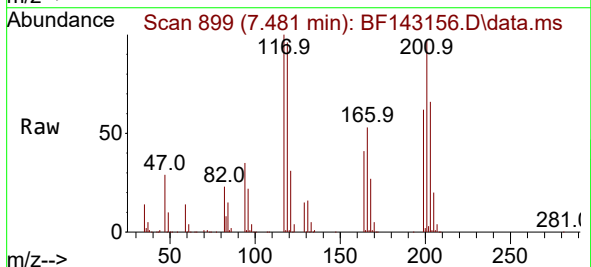
Manual Integrations
APPROVED

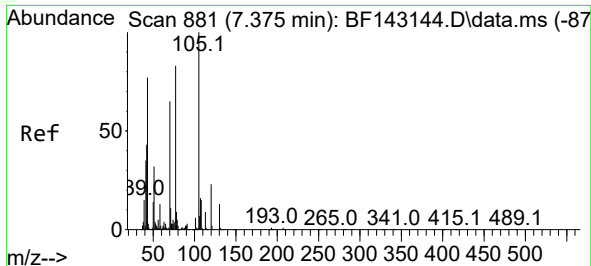
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#18
Hexachloroethane
Concen: 42.919 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

Tgt Ion:117 Resp: 164247
Ion Ratio Lower Upper
117 100
119 95.9 77.8 116.8
201 97.4 77.0 115.4





#19
n-Nitroso-di-n-propylamine
Concen: 41.470 ng
RT: 7.369 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

Instrument :

BNA_F

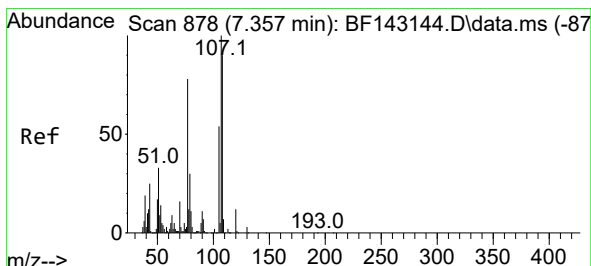
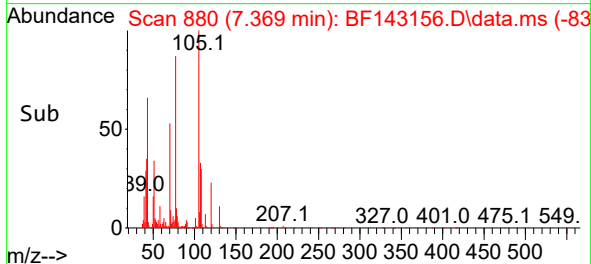
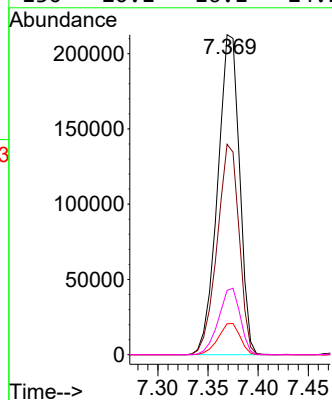
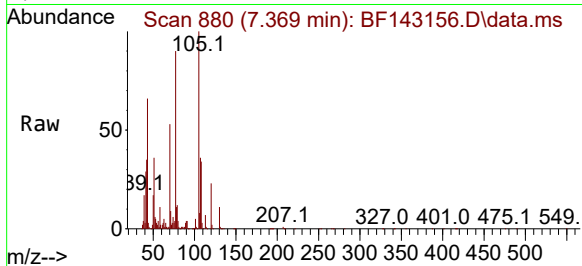
ClientSampleId :

PB167904BS

Tgt Ion: 70 Resp: 322820
Ion Ratio Lower Upper
70 100
42 65.8 52.5 78.7
101 9.6 7.6 11.4
130 20.1 16.1 24.1

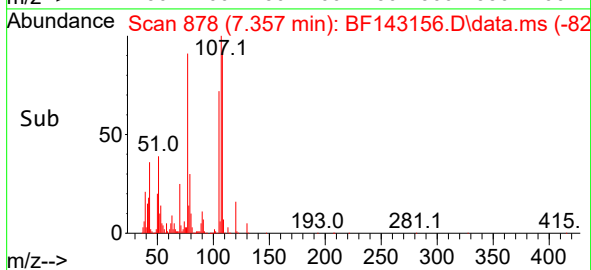
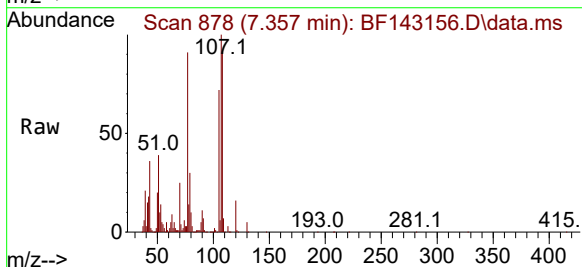
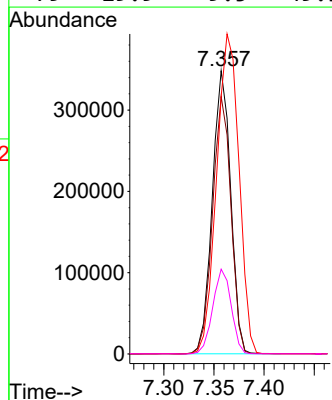
Manual Integrations
APPROVED

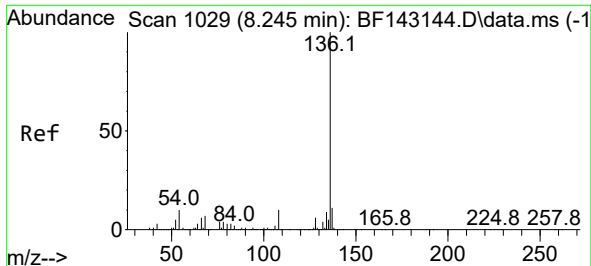
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#20
3+4-Methylphenols
Concen: 43.168 ng
RT: 7.357 min Scan# 878
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

Tgt Ion:107 Resp: 444984
Ion Ratio Lower Upper
107 100
108 90.9 70.0 110.0
77 90.9 57.8 97.8
79 29.9 9.5 49.5





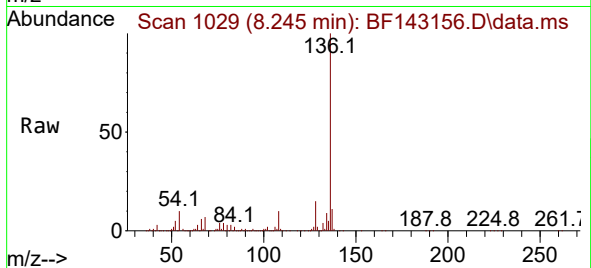
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

Instrument :

BNA_F

ClientSampleId :

PB167904BS



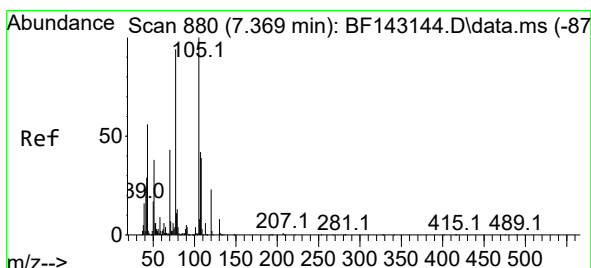
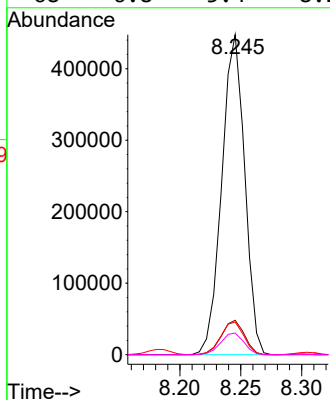
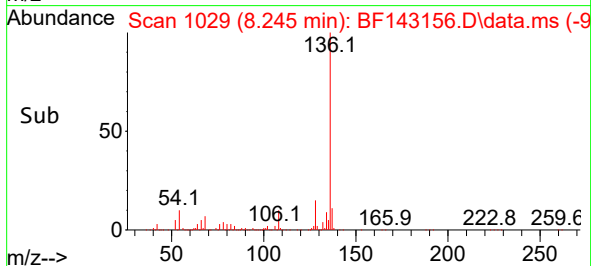
Tgt Ion:136 Resp: 587118
Ion Ratio Lower Upper
136 100
137 10.8 8.6 13.0
54 10.2 8.2 12.2
68 6.8 5.4 8.2

Manual Integrations

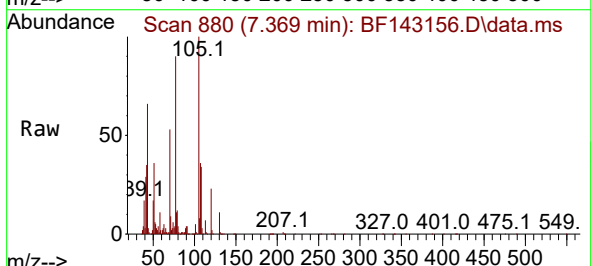
APPROVED

Reviewed By :Rahul Chavli 07/18/2025

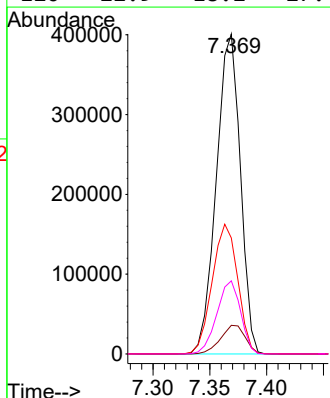
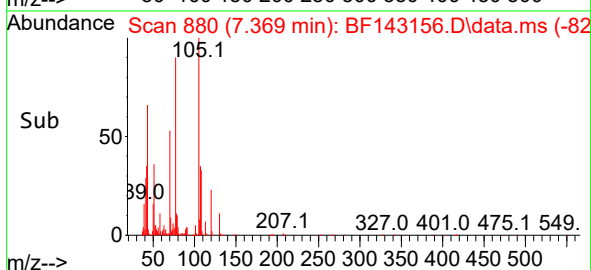
Supervised By :Jagrut Upadhyay 07/18/2025

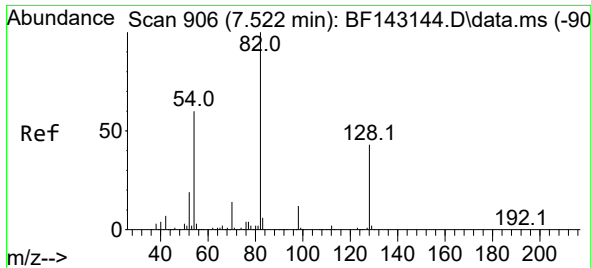


#22
Acetophenone
Concen: 42.410 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07



Tgt Ion:105 Resp: 589497
Ion Ratio Lower Upper
105 100
71 8.9 5.8 8.6#
51 36.2 30.2 45.2
120 22.9 18.2 27.4





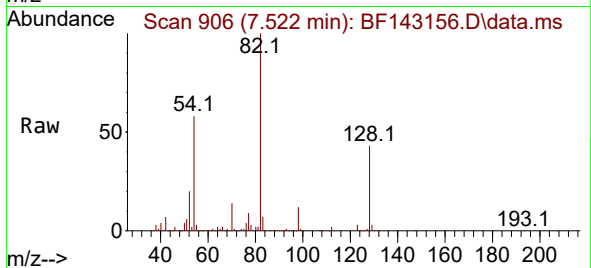
#23
Nitrobenzene-d5
Concen: 79.293 ng
RT: 7.522 min Scan# 906
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

Instrument :

BNA_F

ClientSampleId :

PB167904BS



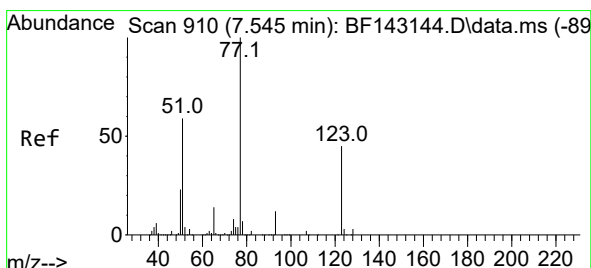
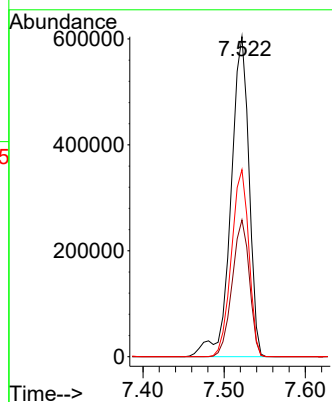
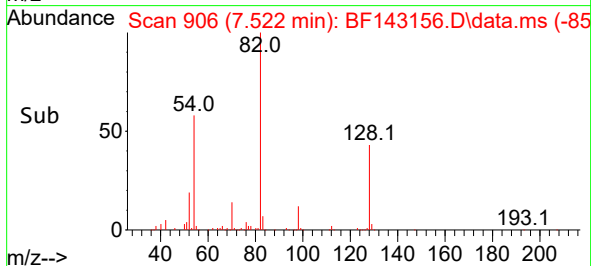
Tgt Ion: 82 Resp: 933949
Ion Ratio Lower Upper
82 100
128 42.8 33.6 50.4
54 58.5 47.1 70.7

Manual Integrations

APPROVED

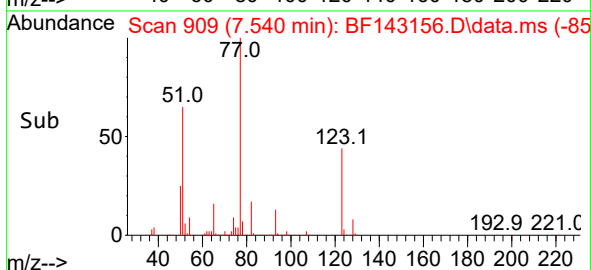
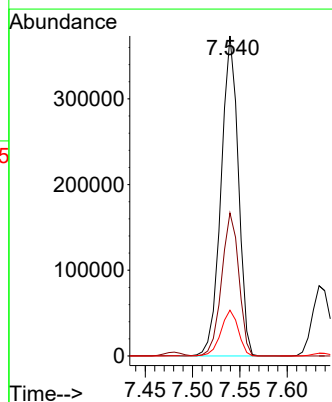
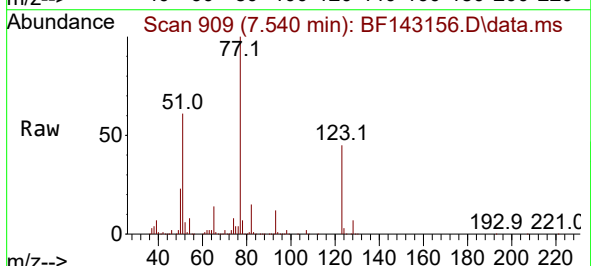
Reviewed By :Rahul Chavli 07/18/2025

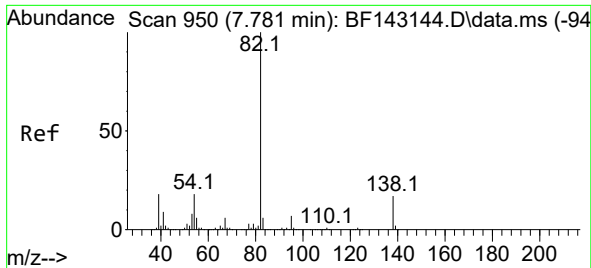
Supervised By :Jagrut Upadhyay 07/18/2025



#24
Nitrobenzene
Concen: 43.299 ng
RT: 7.540 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

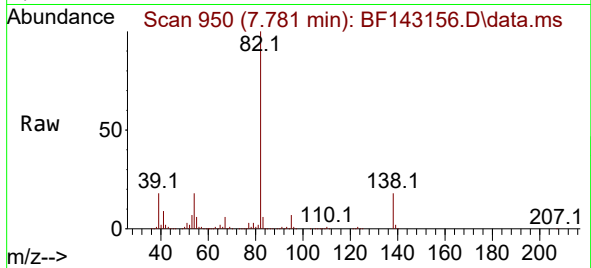
Tgt Ion: 77 Resp: 475475
Ion Ratio Lower Upper
77 100
123 44.7 36.1 54.1
65 14.3 11.4 17.2





#25
Isophorone
Concen: 43.071 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

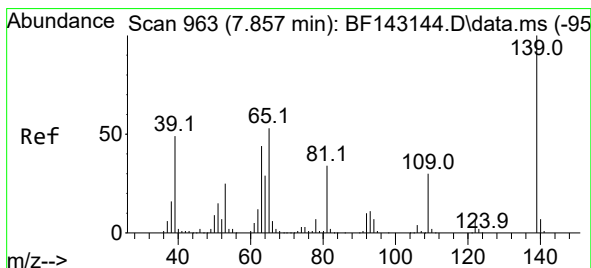
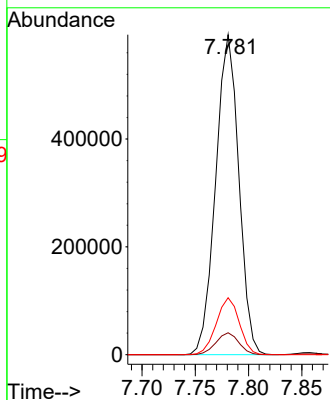
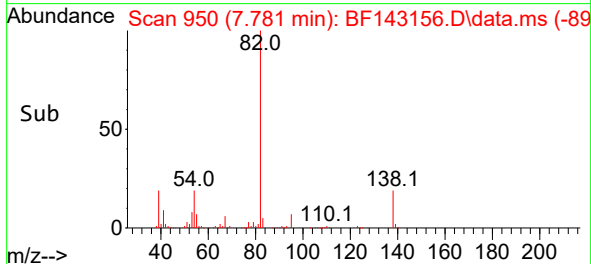
Instrument :
BNA_F
ClientSampleId :
PB167904BS



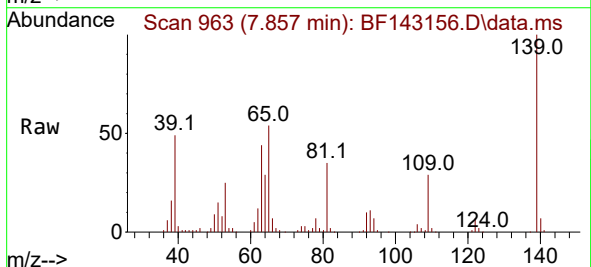
Tgt Ion: 82 Resp: 89556
Ion Ratio Lower Upper
82 100
95 6.8 5.5 8.3
138 17.8 13.8 20.8

Manual Integrations
APPROVED

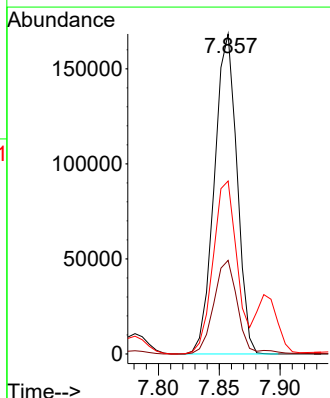
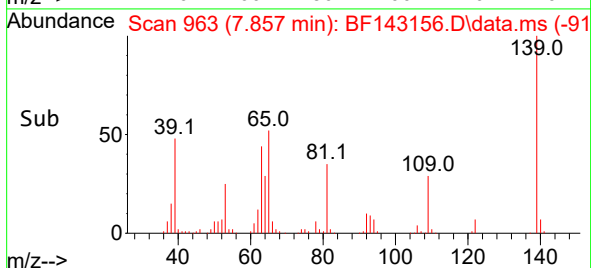
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

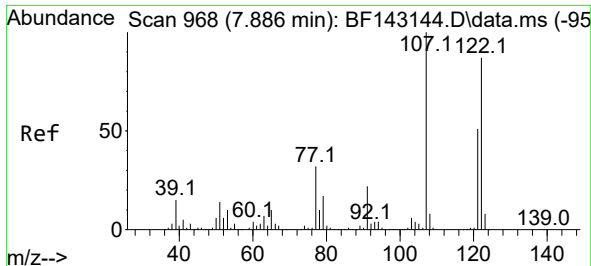


#26
2-Nitrophenol
Concen: 45.732 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07



Tgt Ion:139 Resp: 217951
Ion Ratio Lower Upper
139 100
109 29.2 23.6 35.4
65 54.1 42.6 64.0





#27
2,4-Dimethylphenol
Concen: 42.633 ng
RT: 7.887 min Scan# 90
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

Instrument :

BNA_F

ClientSampleId :

PB167904BS

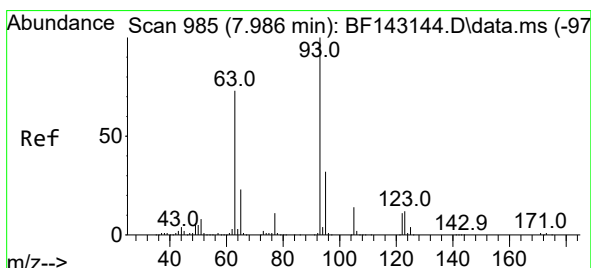
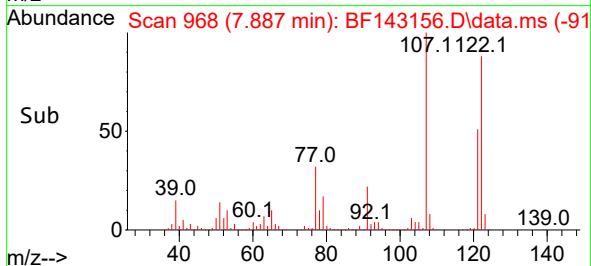
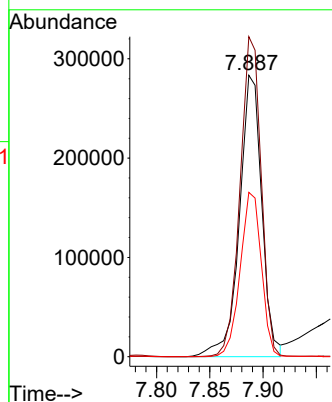
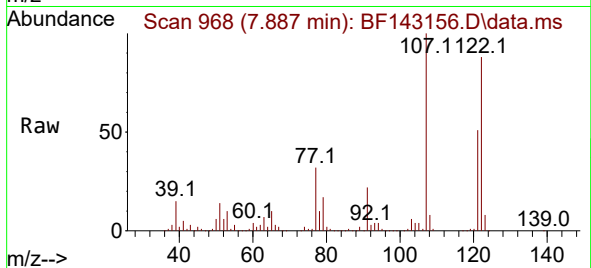
Tgt Ion:122 Resp: 41416
Ion Ratio Lower Upper
122 100
107 113.7 91.8 137.6
121 58.4 46.3 69.5

Manual Integrations

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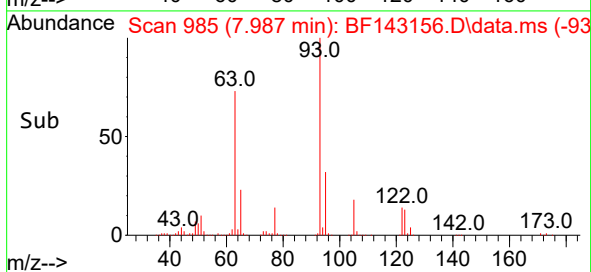
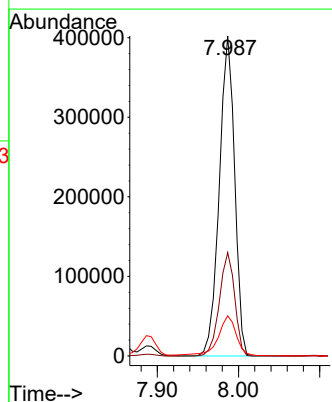
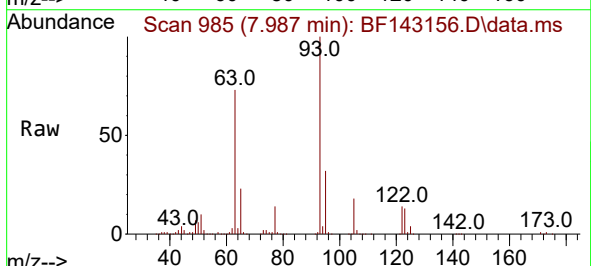
Reviewed By :Rahul Chavli 07/18/2025

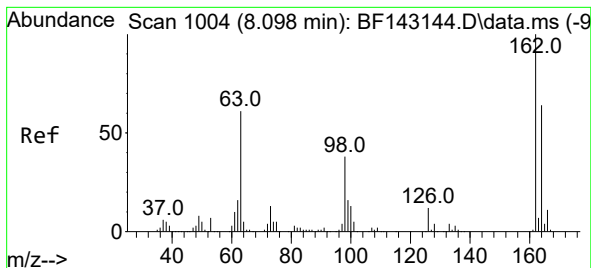
Supervised By :Jagrut Upadhyay 07/18/2025



#28
bis(2-Chloroethoxy)methane
Concen: 42.496 ng
RT: 7.987 min Scan# 985
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

Tgt Ion: 93 Resp: 529787
Ion Ratio Lower Upper
93 100
95 32.3 25.8 38.6
123 12.5 9.7 14.5





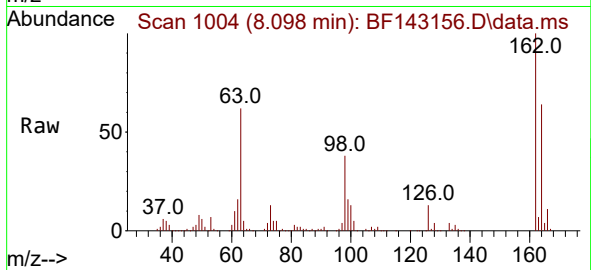
#29
2,4-Dichlorophenol
Concen: 42.738 ng
RT: 8.098 min Scan# 1004
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

Instrument :

BNA_F

ClientSampleId :

PB167904BS



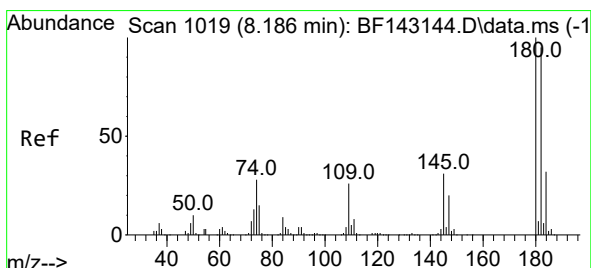
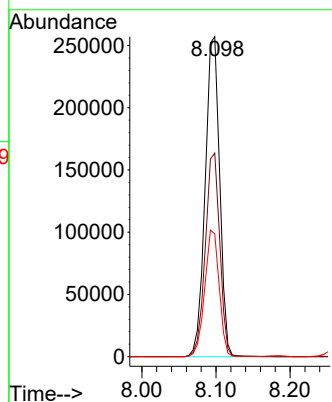
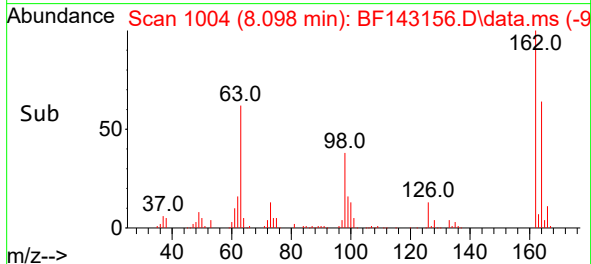
Tgt Ion:162 Resp: 35013
Ion Ratio Lower Upper
162 100
164 63.6 44.2 84.2
98 38.4 17.9 57.9

Manual Integrations

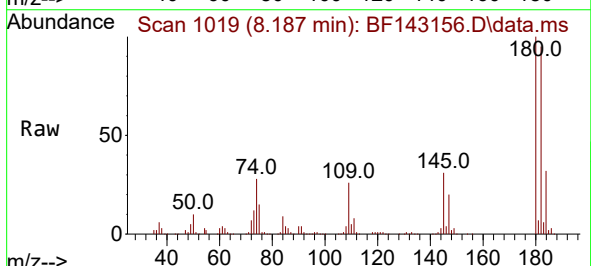
APPROVED

Reviewed By :Rahul Chavli 07/18/2025

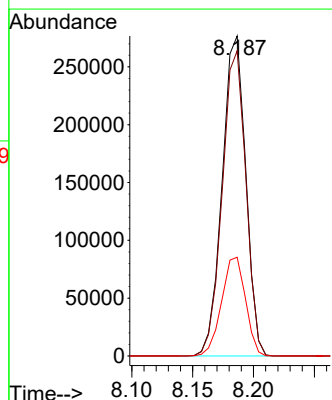
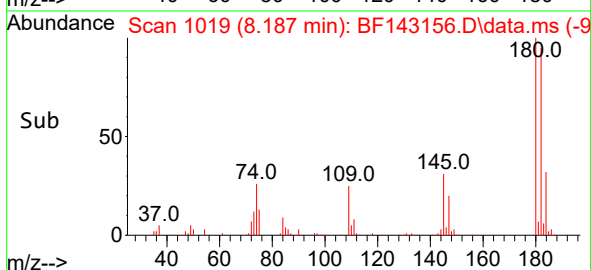
Supervised By :Jagrut Upadhyay 07/18/2025

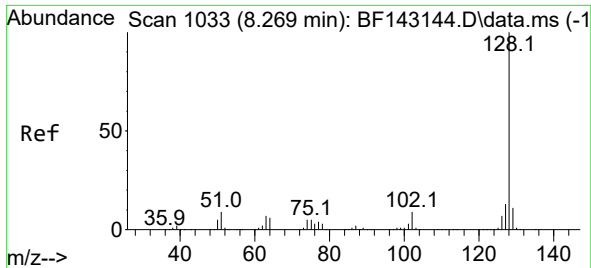


#30
1,2,4-Trichlorobenzene
Concen: 42.198 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07



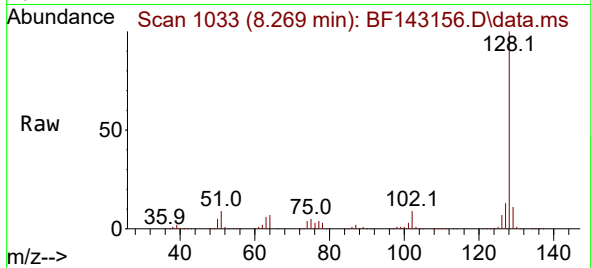
Tgt Ion:180 Resp: 373488
Ion Ratio Lower Upper
180 100
182 95.3 76.2 114.2
145 30.9 25.0 37.6





#31
Naphthalene
Concen: 42.548 ng
RT: 8.269 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

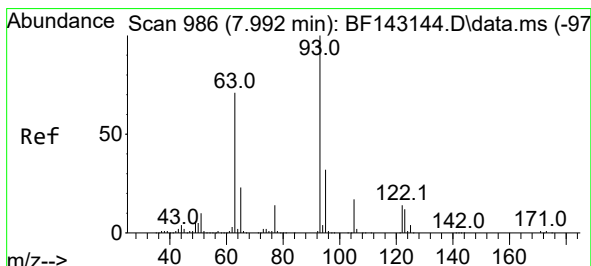
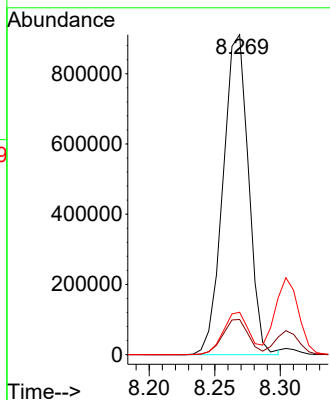
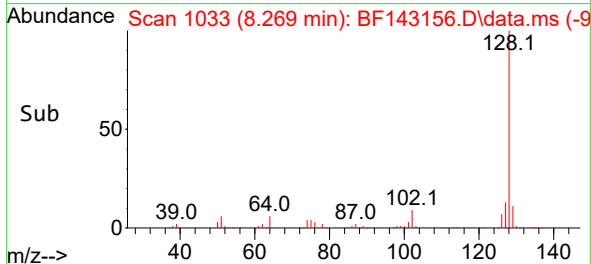
Instrument :
BNA_F
ClientSampleId :
PB167904BS



Tgt Ion:128 Resp: 1230280
Ion Ratio Lower Upper
128 100
129 11.0 9.0 13.4
127 13.3 10.6 16.0

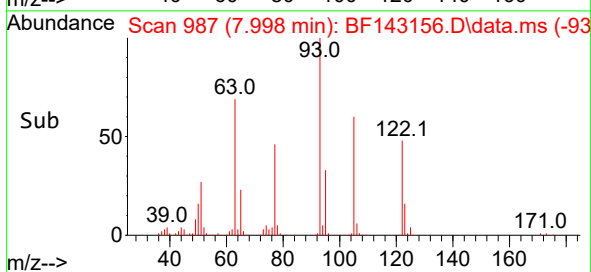
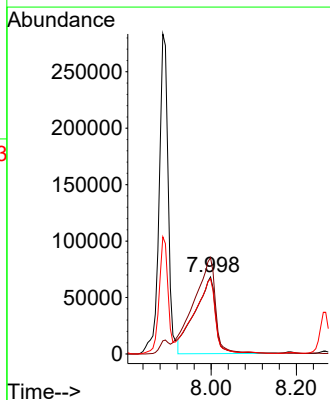
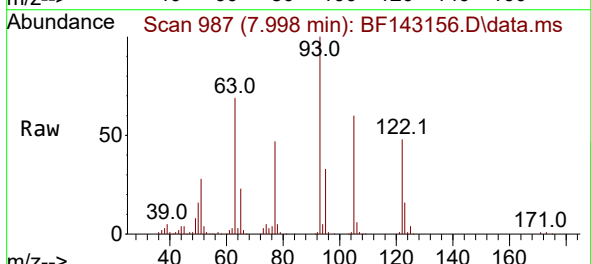
Manual Integrations
APPROVED

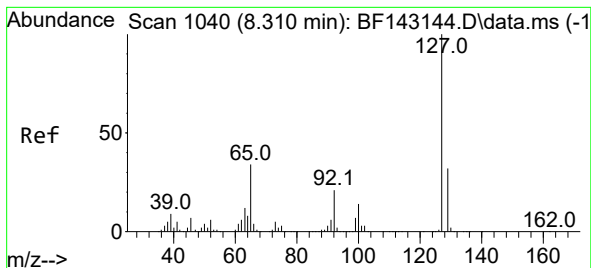
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#32
Benzoic acid
Concen: 42.760 ng
RT: 7.998 min Scan# 987
Delta R.T. 0.006 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

Tgt Ion:122 Resp: 230524
Ion Ratio Lower Upper
122 100
105 125.4 104.8 144.8
77 98.0 77.6 117.6





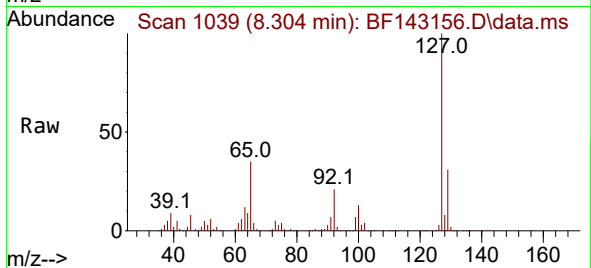
#33
4-Chloroaniline
Concen: 23.120 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

Instrument :

BNA_F

ClientSampleId :

PB167904BS



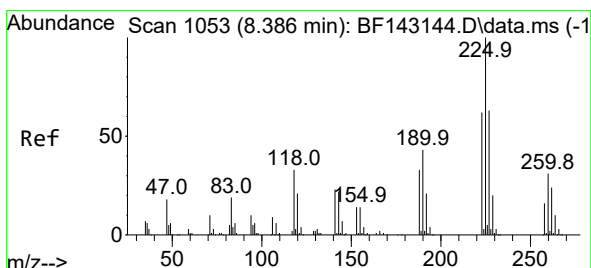
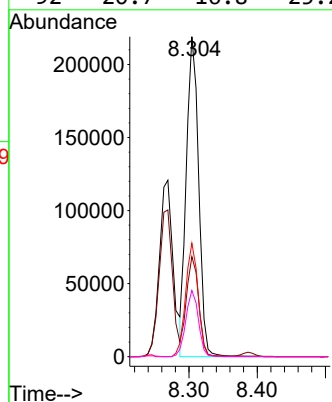
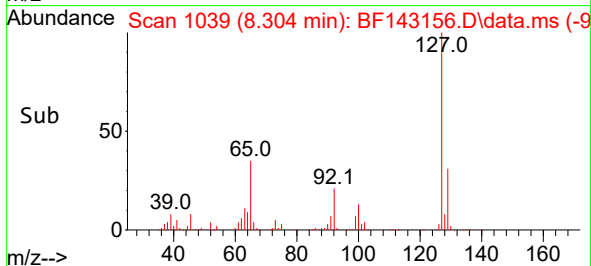
Tgt Ion:127 Resp: 27296
Ion Ratio Lower Upper
127 100
129 31.3 26.0 39.0
65 35.4 27.4 41.2
92 20.7 16.8 25.2

Manual Integrations

APPROVED

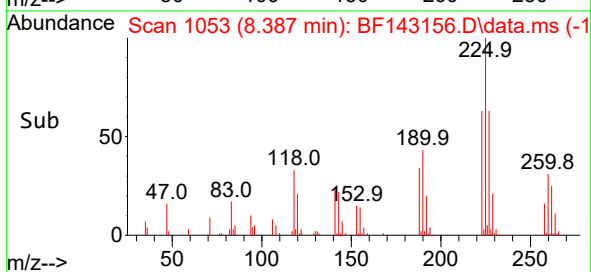
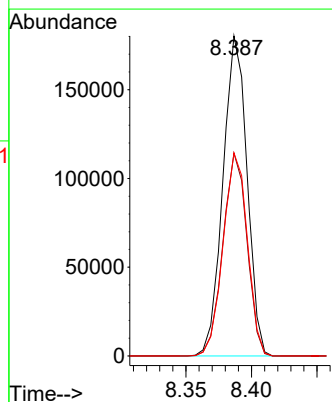
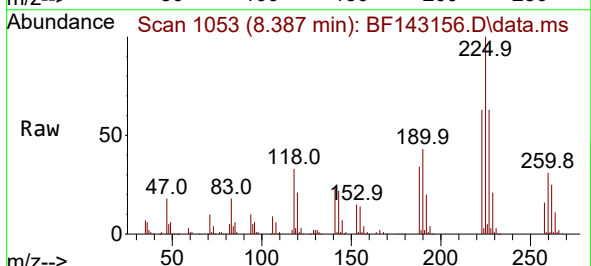
Reviewed By :Rahul Chavli 07/18/2025

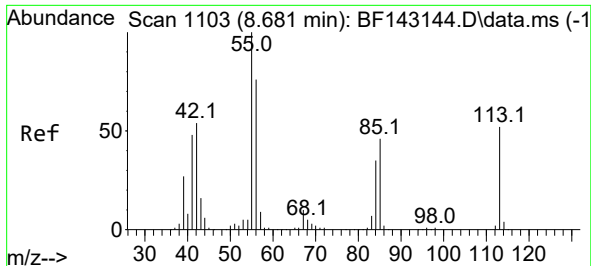
Supervised By :Jagrut Upadhyay 07/18/2025



#34
Hexachlorobutadiene
Concen: 42.568 ng
RT: 8.387 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

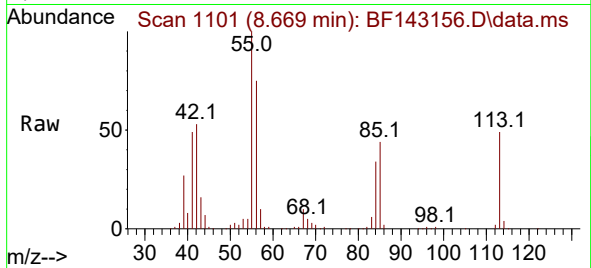
Tgt Ion:225 Resp: 230153
Ion Ratio Lower Upper
225 100
223 63.3 49.8 74.6
227 63.5 50.2 75.4





#35
Caprolactam
Concen: 46.853 ng m
RT: 8.669 min Scan# 1103
Delta R.T. -0.012 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

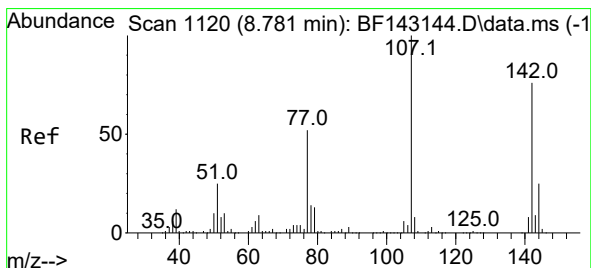
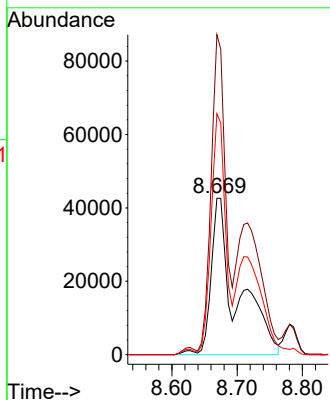
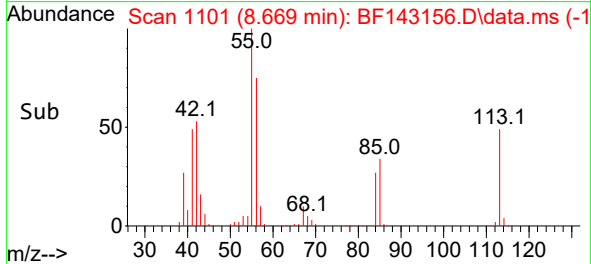
Instrument :
BNA_F
ClientSampleId :
PB167904BS



Tgt Ion:113 Resp: 11599
Ion Ratio Lower Upper
113 100
55 204.5 174.0 214.0
56 154.0 126.6 166.6

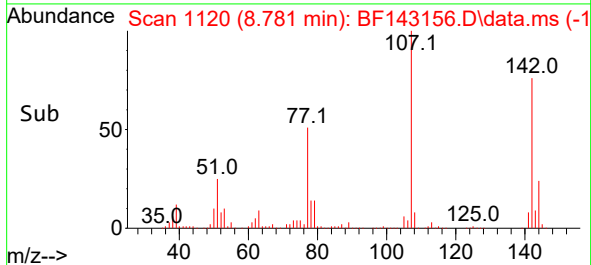
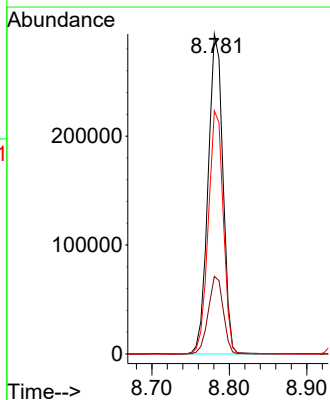
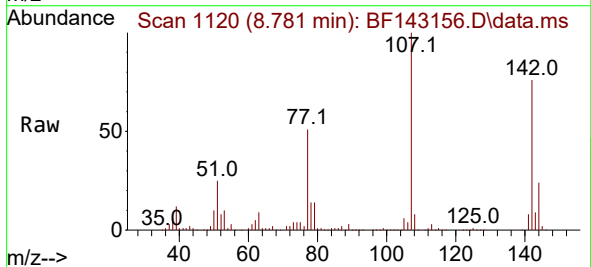
Manual Integrations
APPROVED

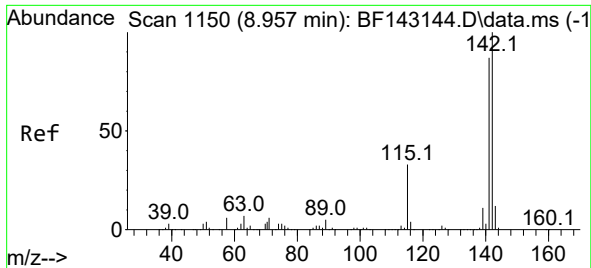
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#36
4-Chloro-3-methylphenol
Concen: 43.960 ng
RT: 8.781 min Scan# 1120
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

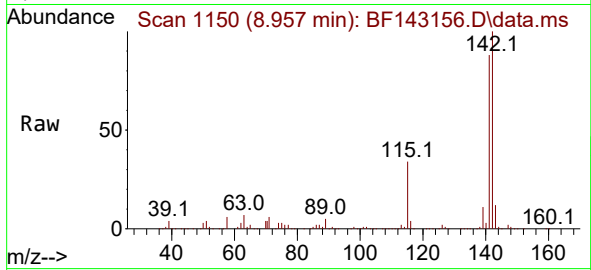
Tgt Ion:107 Resp: 391449
Ion Ratio Lower Upper
107 100
144 24.2 19.8 29.6
142 76.0 60.6 90.8





#37
2-Methylnaphthalene
Concen: 42.760 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

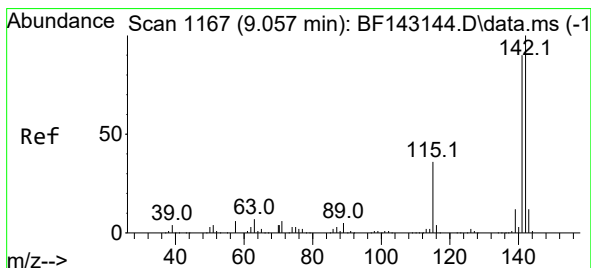
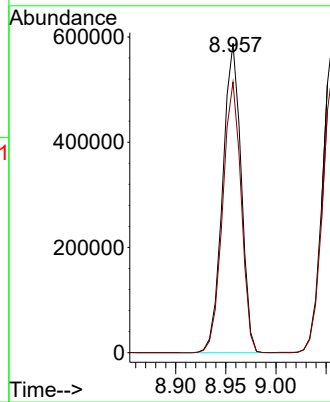
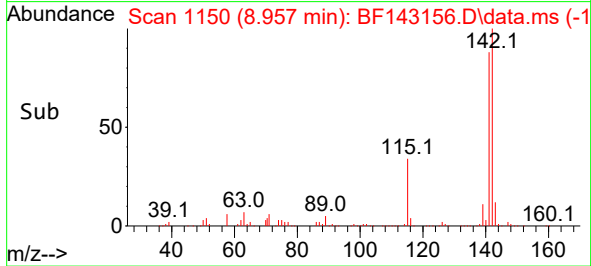
Instrument :
BNA_F
ClientSampleId :
PB167904BS



Tgt Ion:142 Resp: 752372
Ion Ratio Lower Upper
142 100
141 87.5 69.9 104.9

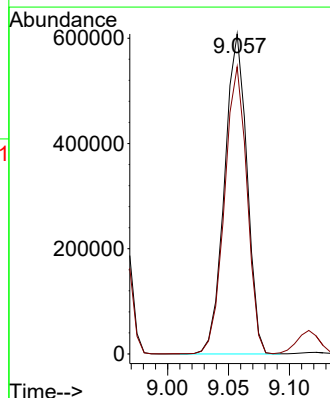
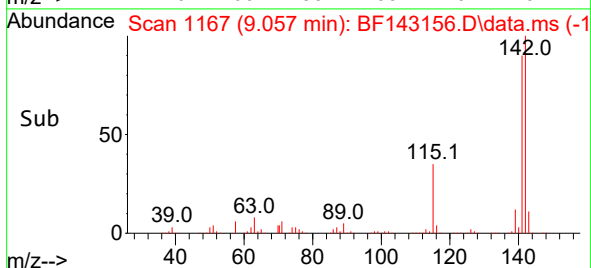
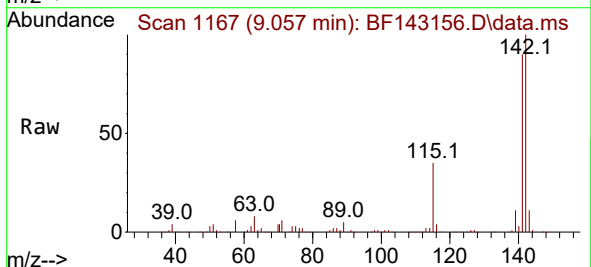
Manual Integrations
APPROVED

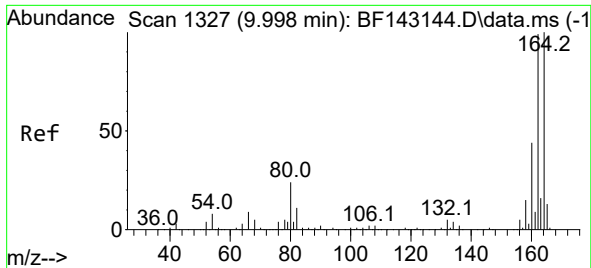
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#38
1-Methylnaphthalene
Concen: 43.084 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

Tgt Ion:142 Resp: 780624
Ion Ratio Lower Upper
142 100
141 89.7 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 9.998 min Scan# 1179

Delta R.T. 0.000 min

Lab File: BF143156.D

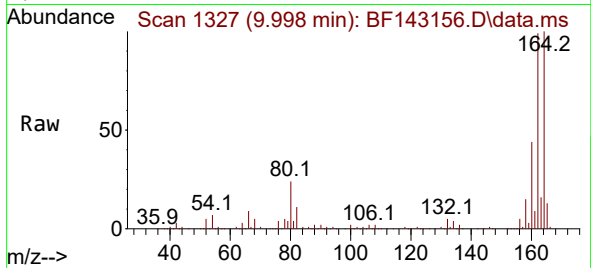
Acq: 17 Jul 2025 19:07

Instrument :

BNA_F

ClientSampleId :

PB167904BS



Tgt Ion:164 Resp: 30148

Ion Ratio Lower Upper

164 100

162 98.8 79.0 118.6

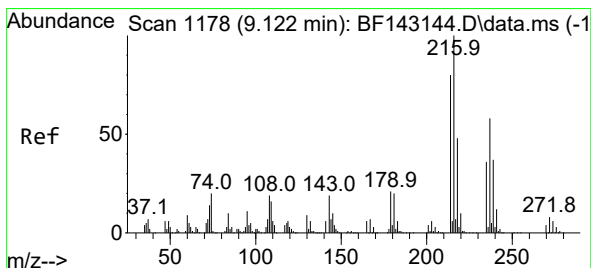
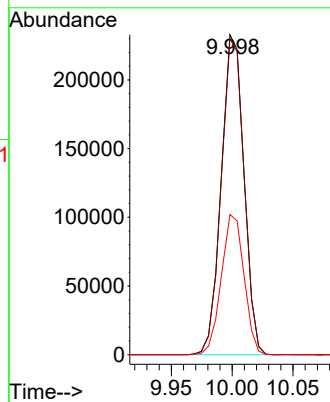
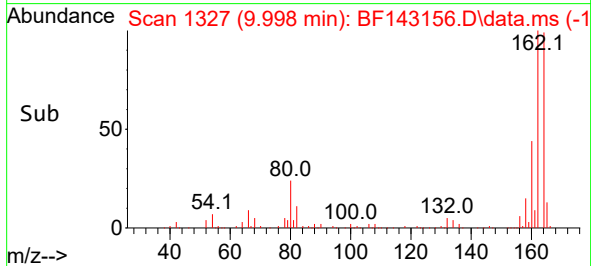
160 43.8 35.1 52.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#40

1,2,4,5-Tetrachlorobenzene

Concen: 41.719 ng

RT: 9.128 min Scan# 1179

Delta R.T. 0.006 min

Lab File: BF143156.D

Acq: 17 Jul 2025 19:07

Tgt Ion:216 Resp: 363131

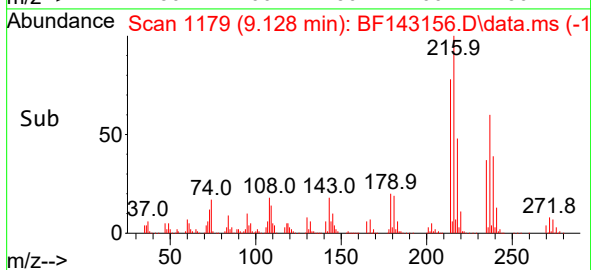
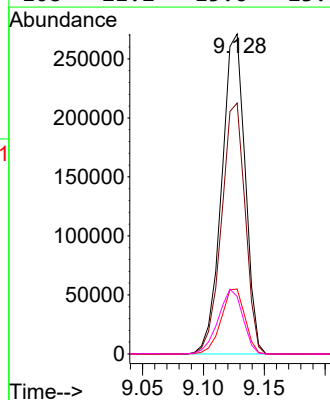
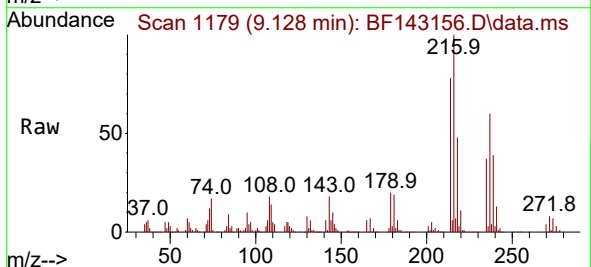
Ion Ratio Lower Upper

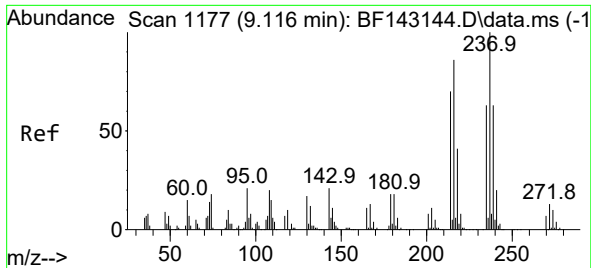
216 100

214 78.7 63.8 95.8

179 20.5 16.4 24.6

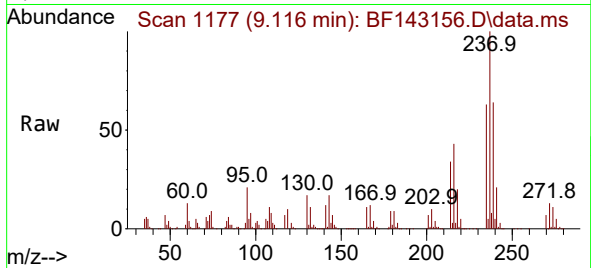
108 21.2 15.6 23.4





#41
Hexachlorocyclopentadiene
Concen: 85.298 ng
RT: 9.116 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

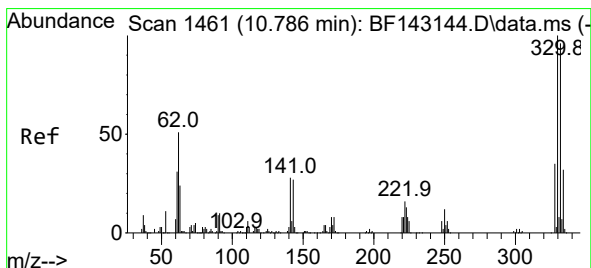
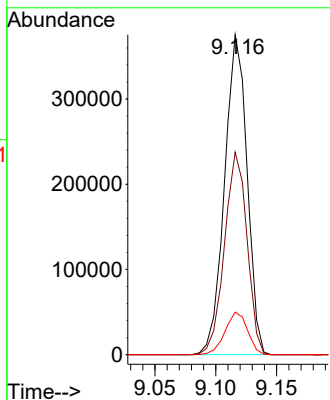
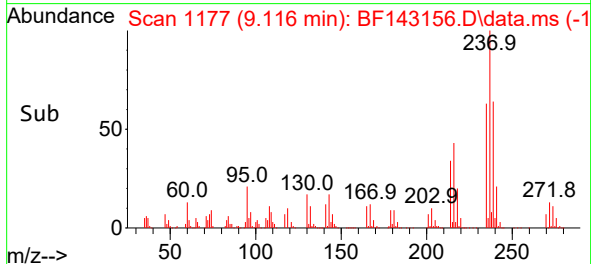
Instrument :
BNA_F
ClientSampleId :
PB167904BS



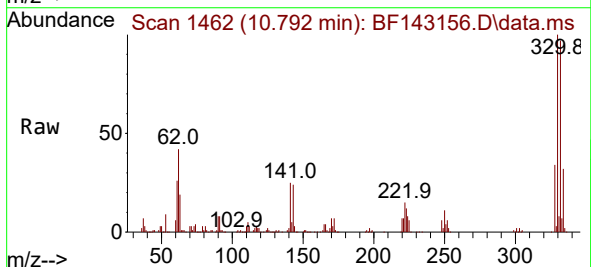
Tgt Ion:237 Resp: 48308
Ion Ratio Lower Upper
237 100
235 63.3 43.0 83.0
272 13.3 0.0 33.3

Manual Integrations
APPROVED

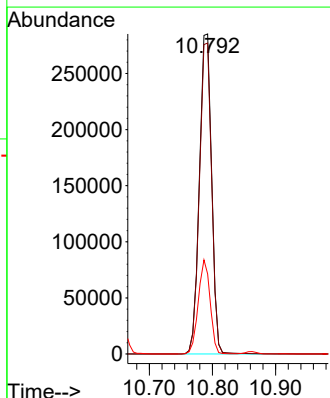
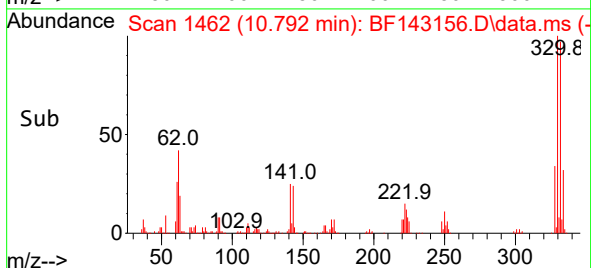
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

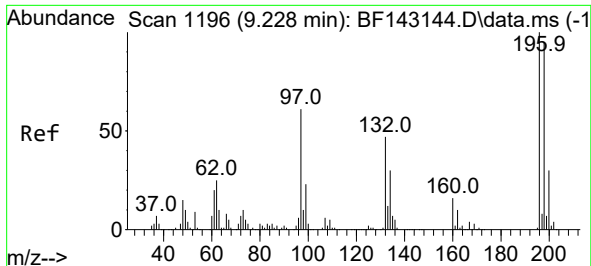


#42
2,4,6-Tribromophenol
Concen: 123.030 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07



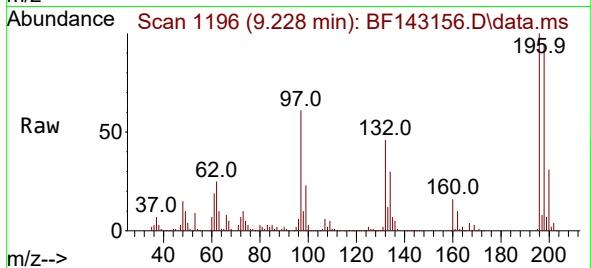
Tgt Ion:330 Resp: 383173
Ion Ratio Lower Upper
330 100
332 97.2 76.7 115.1
141 28.5 23.3 34.9





#43
2,4,6-Trichlorophenol
Concen: 42.632 ng
RT: 9.228 min Scan# 1196
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

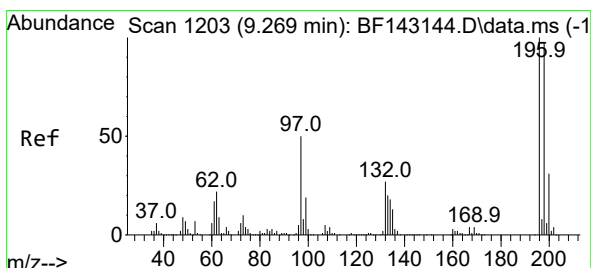
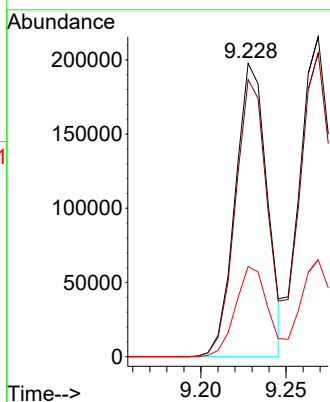
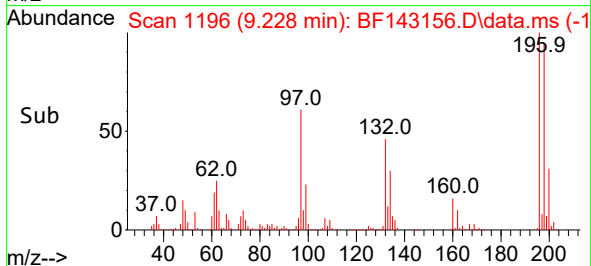
Instrument :
BNA_F
ClientSampleId :
PB167904BS



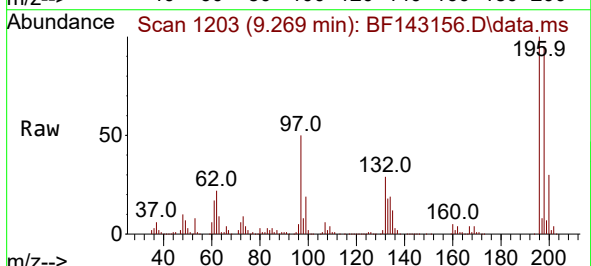
Tgt Ion:196 Resp: 256818
Ion Ratio Lower Upper
196 100
198 94.5 76.2 114.2
200 30.7 23.9 35.9

Manual Integrations
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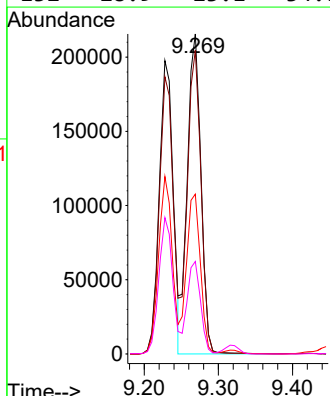
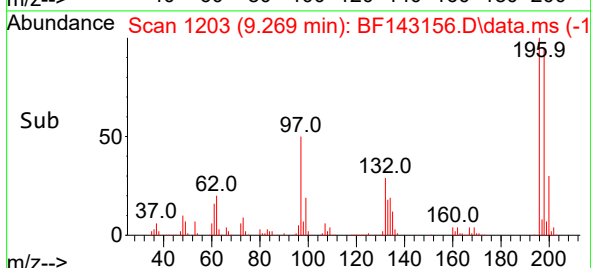
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

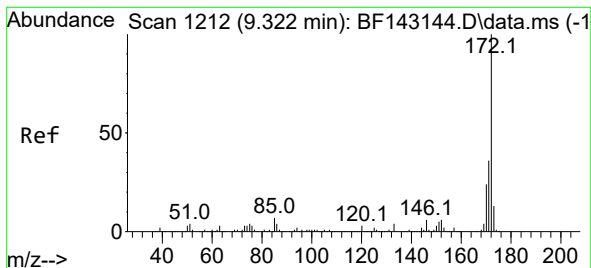


#44
2,4,5-Trichlorophenol
Concen: 45.859 ng
RT: 9.269 min Scan# 1203
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07



Tgt Ion:196 Resp: 276335
Ion Ratio Lower Upper
196 100
198 95.0 77.3 115.9
97 49.9 40.3 60.5
132 28.9 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 73.639 ng

RT: 9.322 min Scan# 1212

Delta R.T. 0.000 min

Lab File: BF143156.D

Acq: 17 Jul 2025 19:07

Instrument :

BNA_F

ClientSampleId :

PB167904BS

Tgt Ion:172 Resp: 162332

Ion Ratio Lower Upper

172 100

171 35.5 28.6 42.8

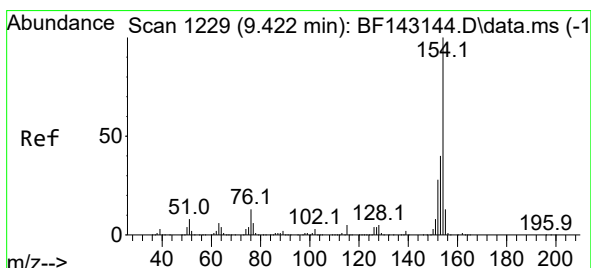
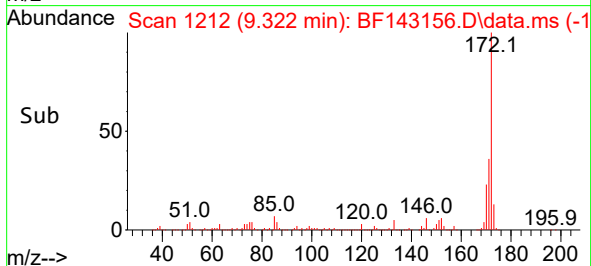
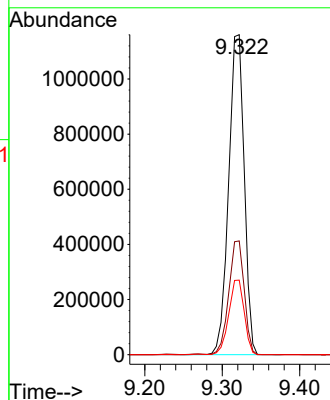
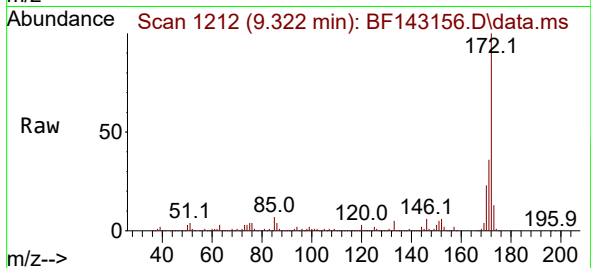
170 23.3 18.8 28.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#46

1,1'-Biphenyl

Concen: 42.733 ng

RT: 9.422 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BF143156.D

Acq: 17 Jul 2025 19:07

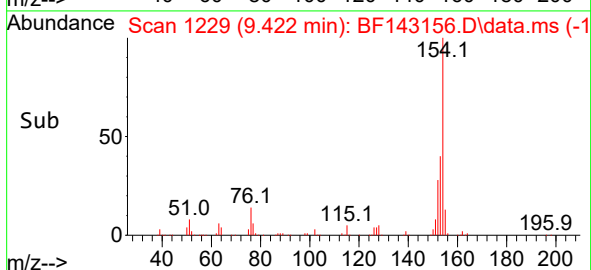
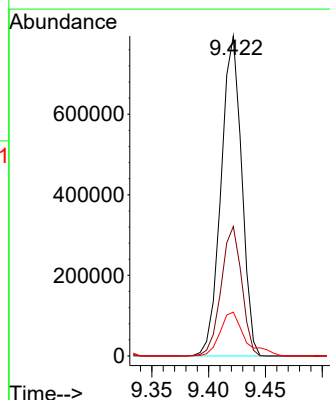
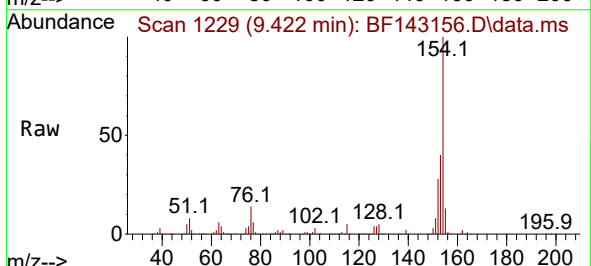
Tgt Ion:154 Resp: 1005145

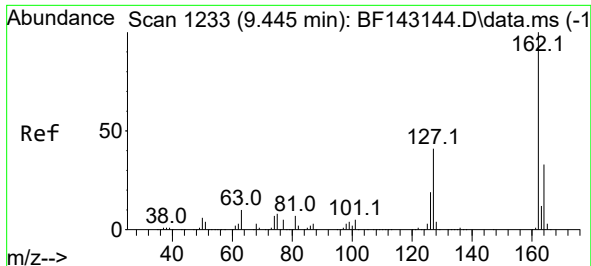
Ion Ratio Lower Upper

154 100

153 40.5 20.3 60.3

76 13.7 0.0 33.3





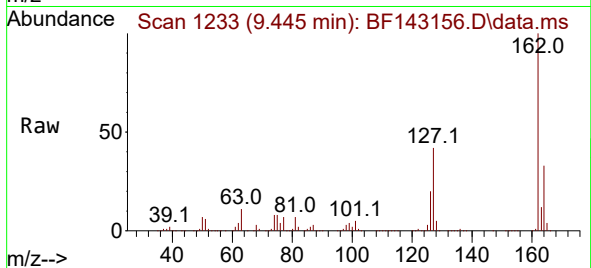
#47
2-Chloronaphthalene
Concen: 42.312 ng
RT: 9.445 min Scan# 1233
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

Instrument :

BNA_F

ClientSampleId :

PB167904BS



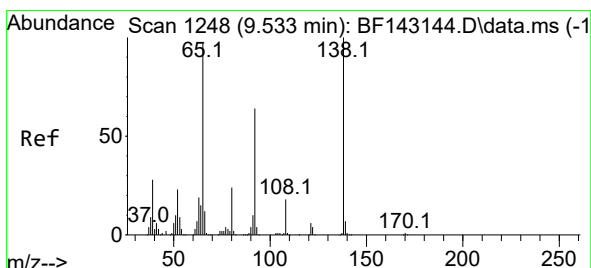
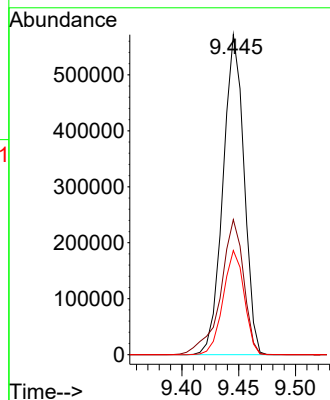
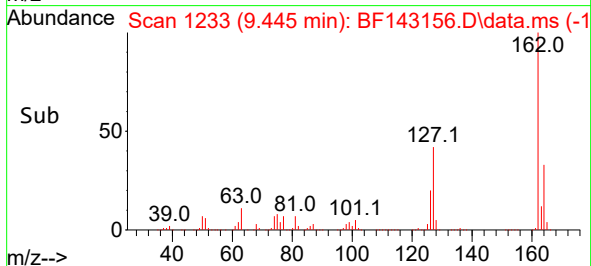
Tgt Ion:162 Resp: 736404
Ion Ratio Lower Upper
162 100
127 42.2 33.4 50.2
164 32.6 26.2 39.2

Manual Integrations

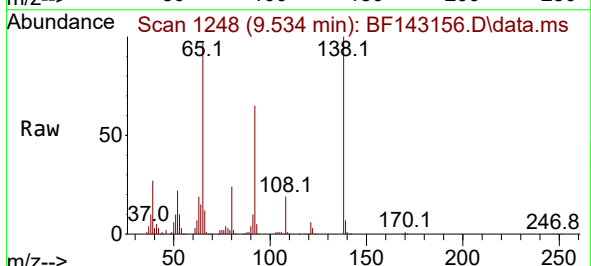
APPROVED

Reviewed By :Rahul Chavli 07/18/2025

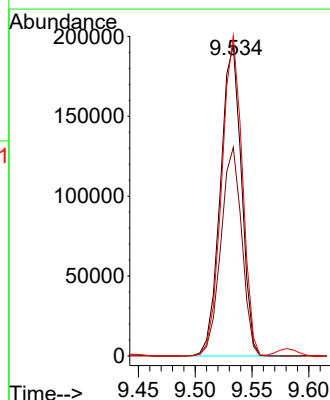
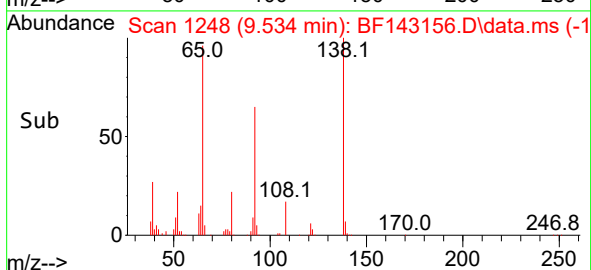
Supervised By :Jagrut Upadhyay 07/18/2025

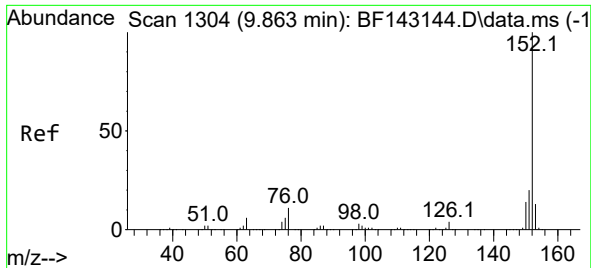


#48
2-Nitroaniline
Concen: 45.887 ng
RT: 9.534 min Scan# 1248
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07



Tgt Ion: 65 Resp: 250445
Ion Ratio Lower Upper
65 100
92 67.2 52.4 78.6
138 103.1 82.3 123.5





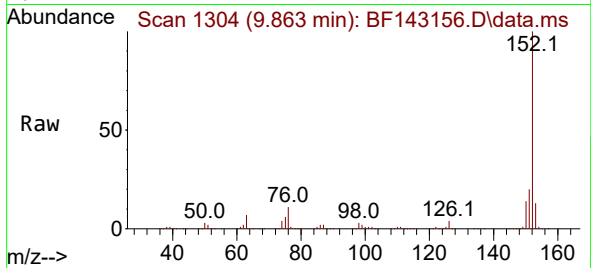
#49
Acenaphthylene
Concen: 43.103 ng
RT: 9.863 min Scan# 1304
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

Instrument :

BNA_F

ClientSampleId :

PB167904BS



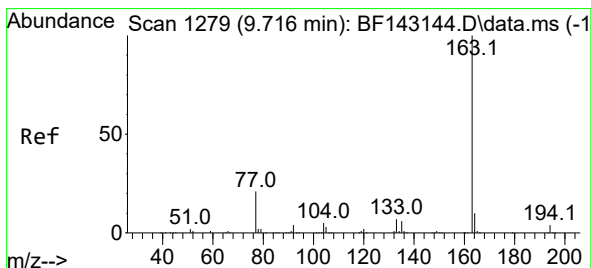
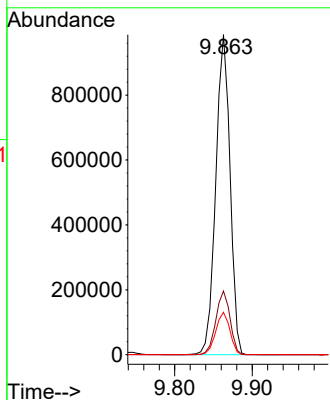
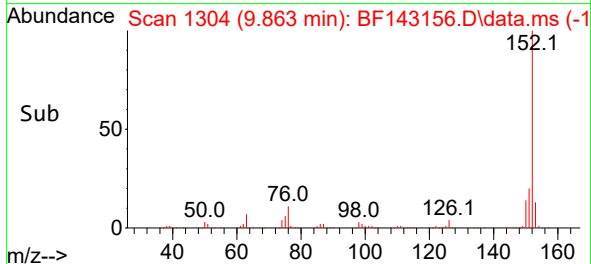
Tgt Ion:152 Resp: 1257178
Ion Ratio Lower Upper
152 100
151 19.9 16.2 24.2
153 13.2 10.6 16.0

Manual Integrations

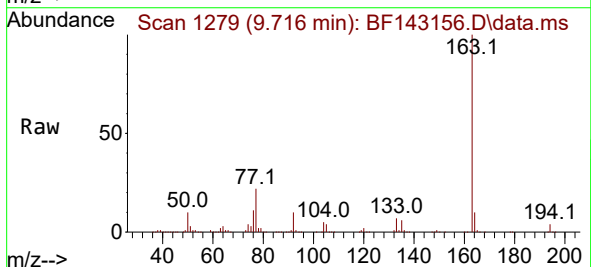
APPROVED

Reviewed By :Rahul Chavli 07/18/2025

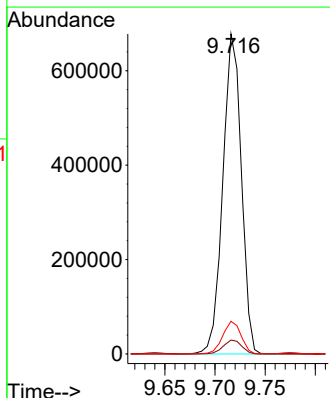
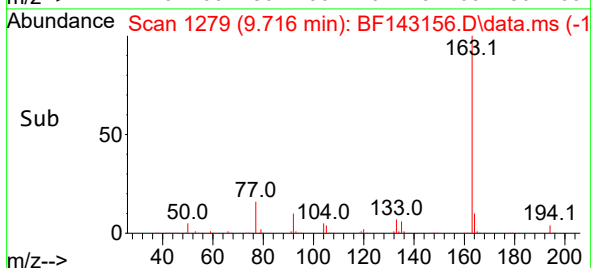
Supervised By :Jagrut Upadhyay 07/18/2025

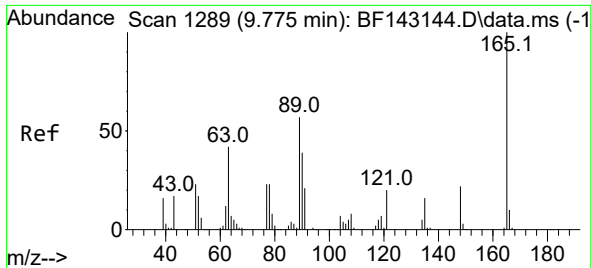


#50
Dimethylphthalate
Concen: 44.154 ng
RT: 9.716 min Scan# 1279
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07



Tgt Ion:163 Resp: 867683
Ion Ratio Lower Upper
163 100
194 4.3 3.4 5.2
164 10.2 8.3 12.5





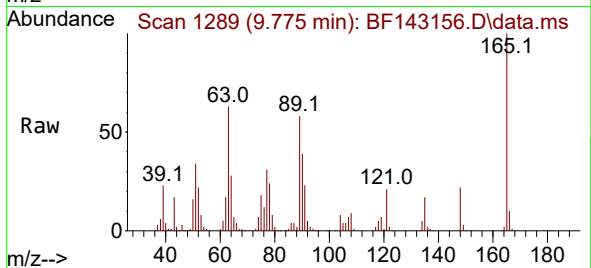
#51
2,6-Dinitrotoluene
Concen: 46.759 ng
RT: 9.775 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

Instrument :

BNA_F

ClientSampleId :

PB167904BS



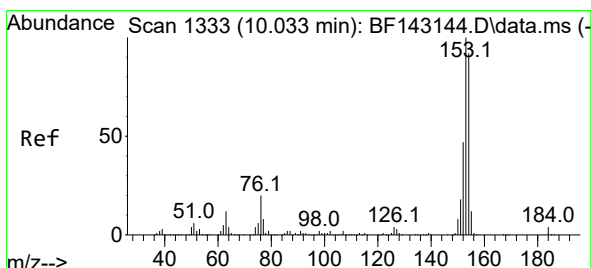
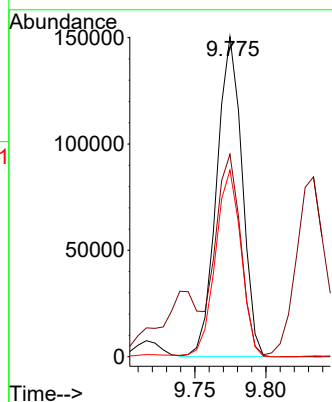
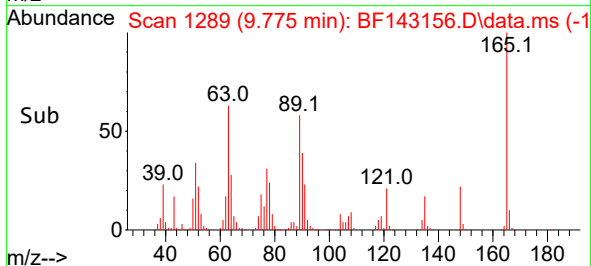
Tgt Ion:165 Resp: 186927
Ion Ratio Lower Upper
165 100
63 63.2 49.4 74.2
89 58.3 46.2 69.2

Manual Integrations

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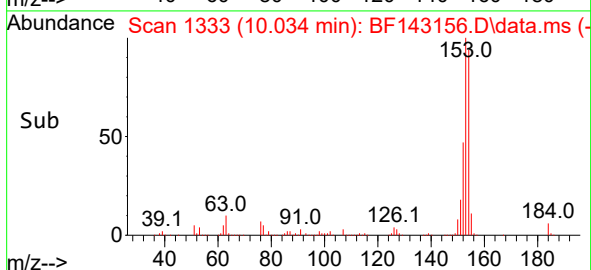
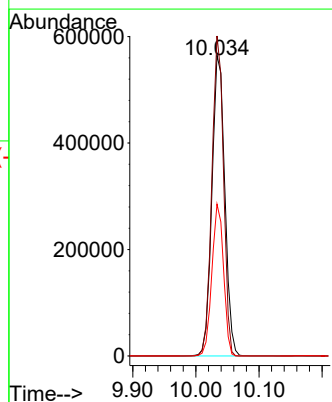
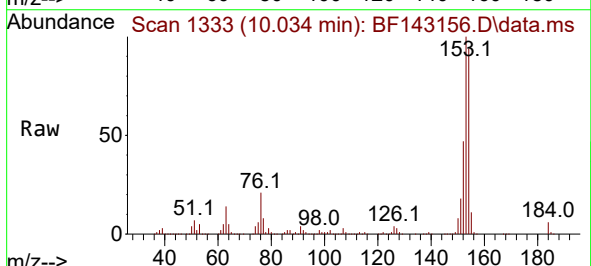
Reviewed By :Rahul Chavli 07/18/2025

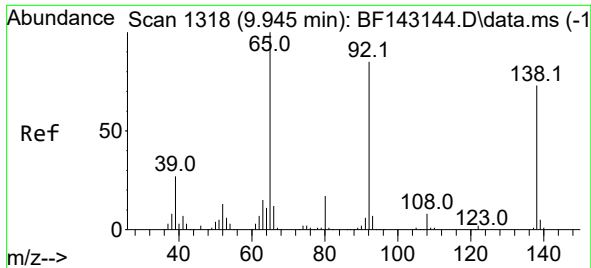
Supervised By :Jagrut Upadhyay 07/18/2025



#52
Acenaphthene
Concen: 46.283 ng
RT: 10.034 min Scan# 1333
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

Tgt Ion:154 Resp: 797873
Ion Ratio Lower Upper
154 100
153 106.5 86.6 129.8
152 50.5 40.4 60.6





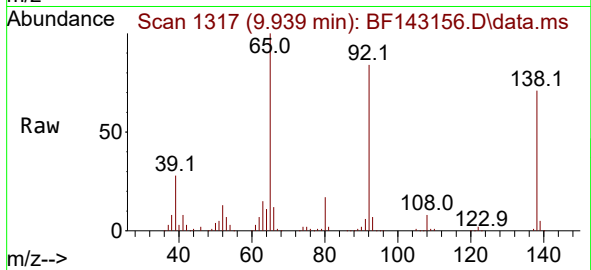
#53
3-Nitroaniline
Concen: 32.400 ng
RT: 9.939 min Scan# 1317
Delta R.T. -0.006 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

Instrument :

BNA_F

ClientSampleId :

PB167904BS



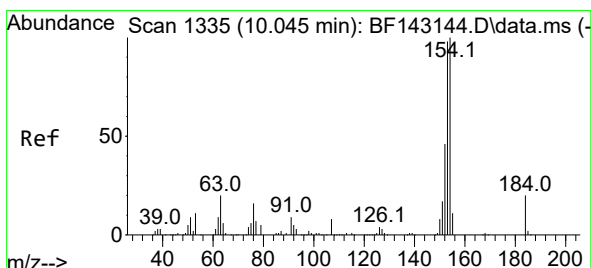
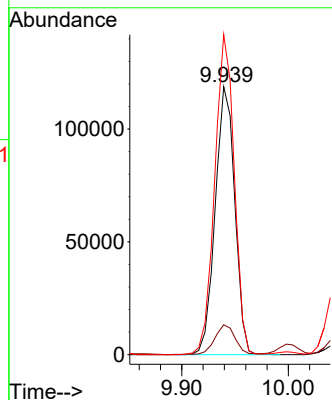
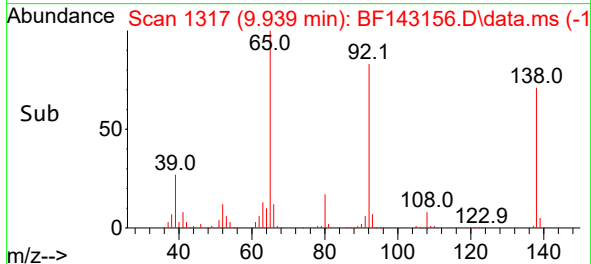
Tgt Ion:138 Resp: 151502
Ion Ratio Lower Upper
138 100
108 11.2 9.0 13.6
92 119.4 93.0 139.4

Manual Integrations

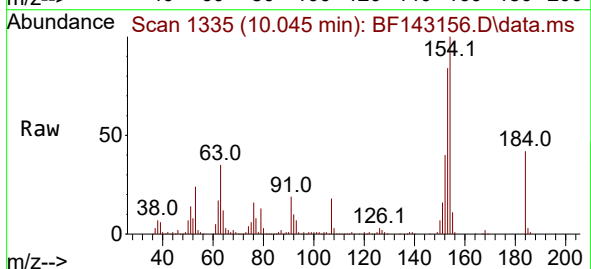
APPROVED

Reviewed By :Rahul Chavli 07/18/2025

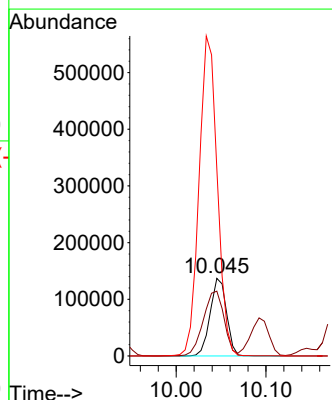
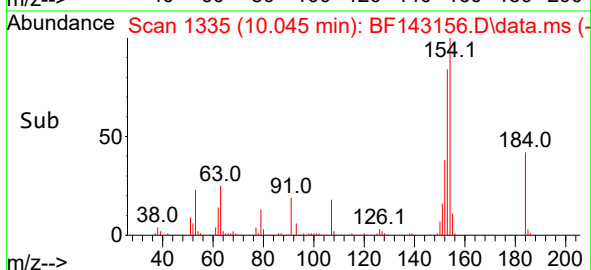
Supervised By :Jagrut Upadhyay 07/18/2025

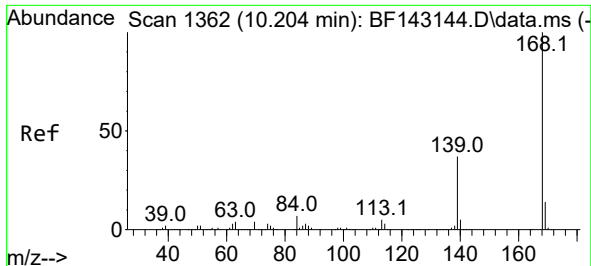


#54
2,4-Dinitrophenol
Concen: 94.400 ng
RT: 10.045 min Scan# 1335
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07



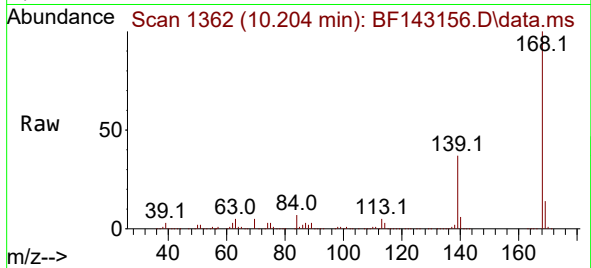
Tgt Ion:184 Resp: 173409
Ion Ratio Lower Upper
184 100
63 83.4 81.8 122.6
154 241.0 412.2 618.4#





#55
Dibenzofuran
Concen: 42.245 ng
RT: 10.204 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

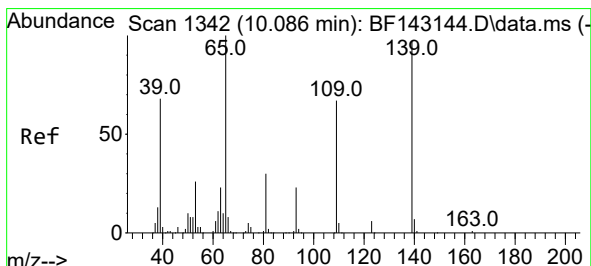
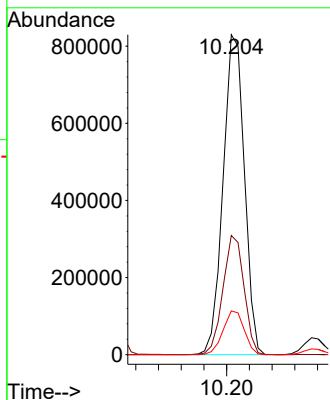
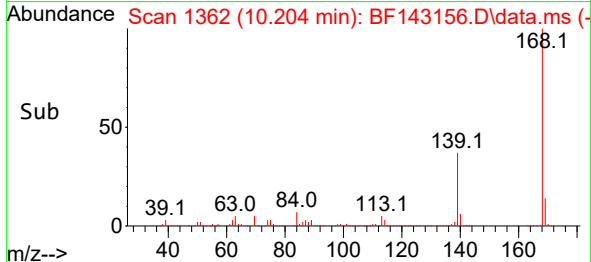
Instrument :
BNA_F
ClientSampleId :
PB167904BS



Tgt Ion:168 Resp: 1081240
Ion Ratio Lower Upper
168 100
139 37.3 29.5 44.3
169 13.7 10.9 16.3

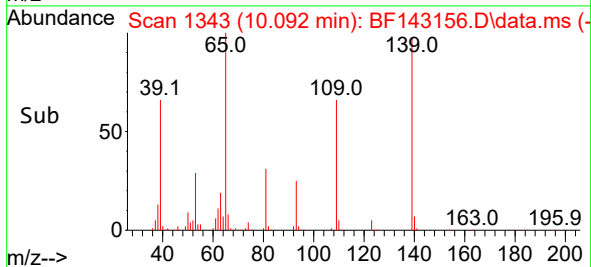
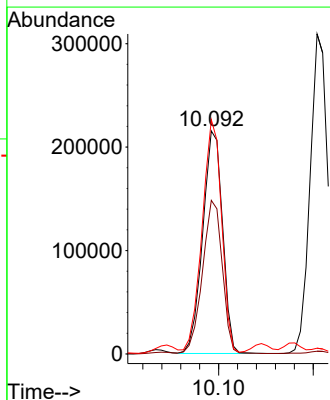
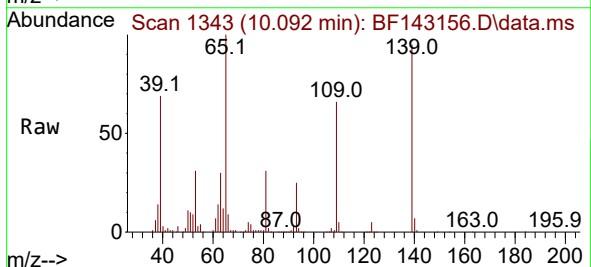
Manual Integrations
APPROVED

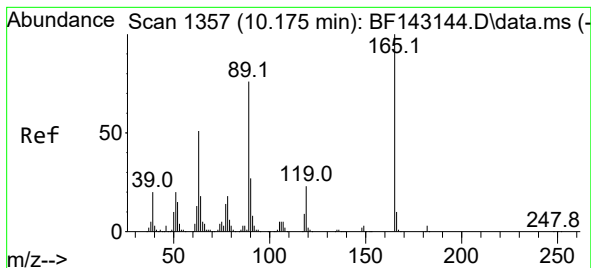
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#56
4-Nitrophenol
Concen: 89.721 ng
RT: 10.092 min Scan# 1343
Delta R.T. 0.006 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

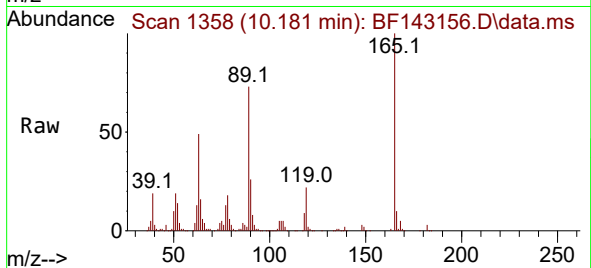
Tgt Ion:139 Resp: 313283
Ion Ratio Lower Upper
139 100
109 68.9 48.5 88.5
65 105.0 83.4 123.4





#57
2,4-Dinitrotoluene
Concen: 49.084 ng
RT: 10.181 min Scan# 1358
Delta R.T. 0.006 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

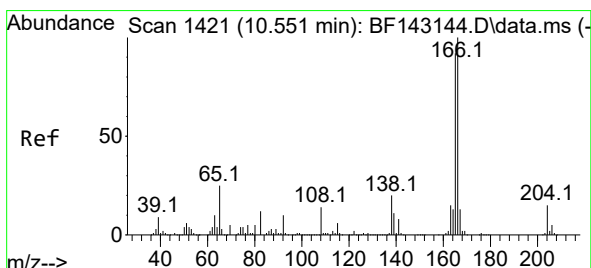
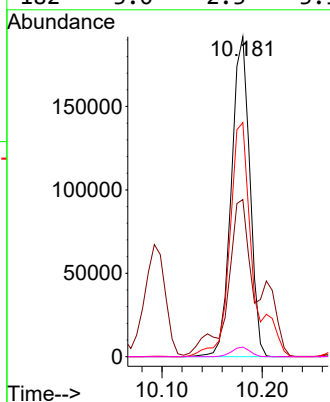
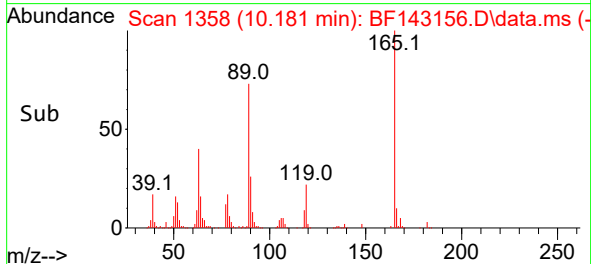
Instrument :
BNA_F
ClientSampleId :
PB167904BS



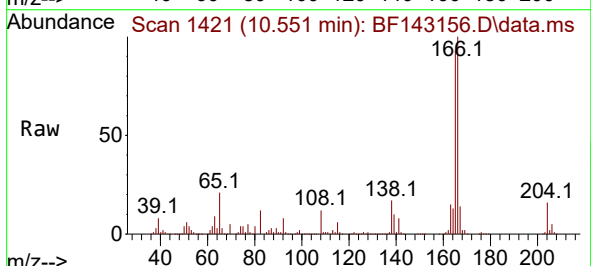
Tgt Ion:165 Resp: 246180
Ion Ratio Lower Upper
165 100
63 49.1 41.0 61.4
89 73.1 61.1 91.7
182 3.0 2.3 3.5

Manual Integrations
APPROVED

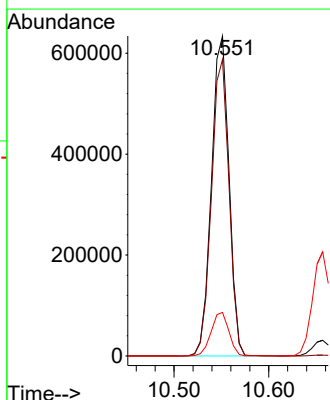
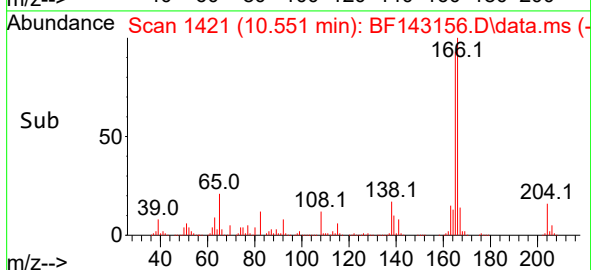
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

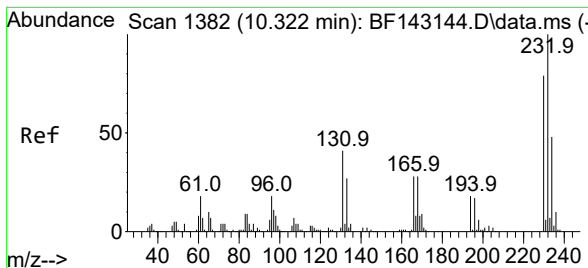


#58
Fluorene
Concen: 42.525 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07



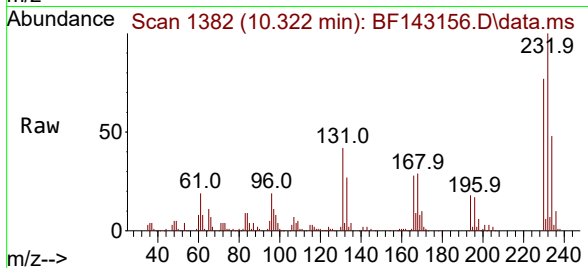
Tgt Ion:166 Resp: 816869
Ion Ratio Lower Upper
166 100
165 92.7 73.7 110.5
167 13.6 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 45.667 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

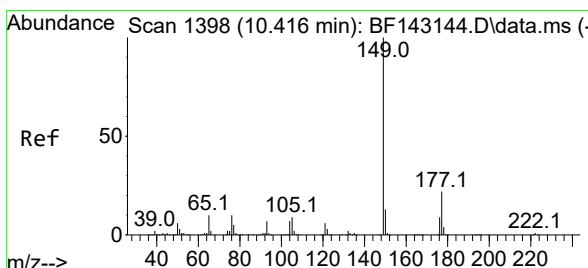
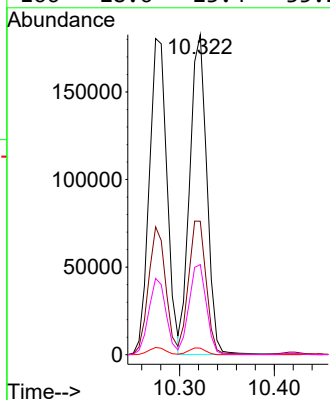
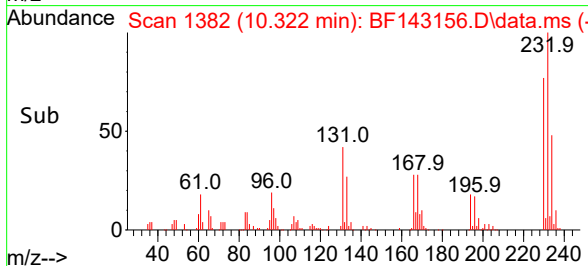
Instrument :
BNA_F
ClientSampleId :
PB167904BS



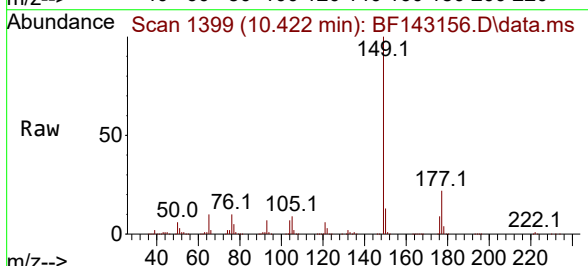
Tgt Ion:232 Resp: 22794
Ion Ratio Lower Upper
232 100
131 43.5 35.3 52.9
130 2.1 1.7 2.5
166 28.6 23.4 35.2

Manual Integrations
APPROVED

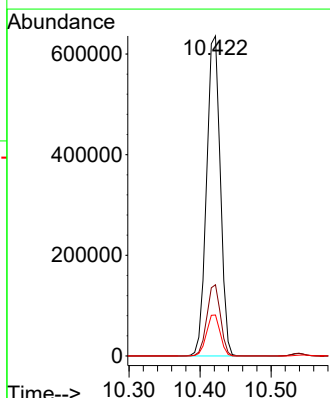
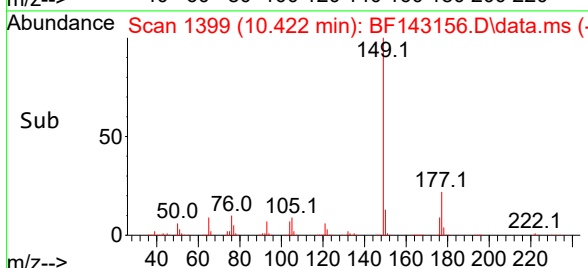
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

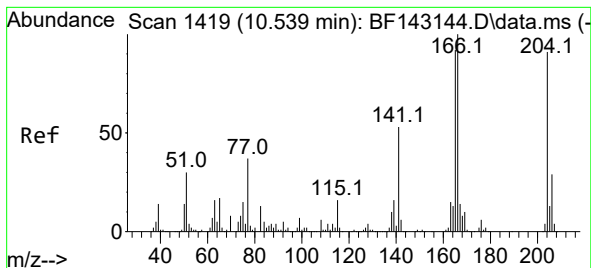


#60
Diethylphthalate
Concen: 44.079 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.006 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07



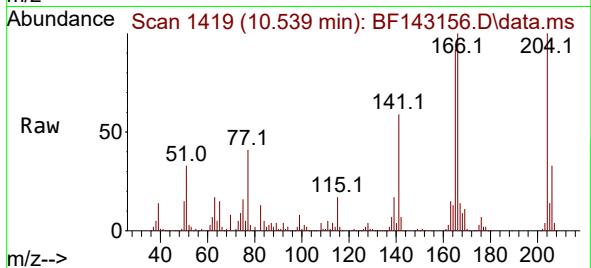
Tgt Ion:149 Resp: 856162
Ion Ratio Lower Upper
149 100
177 22.3 17.5 26.3
150 12.8 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 43.016 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

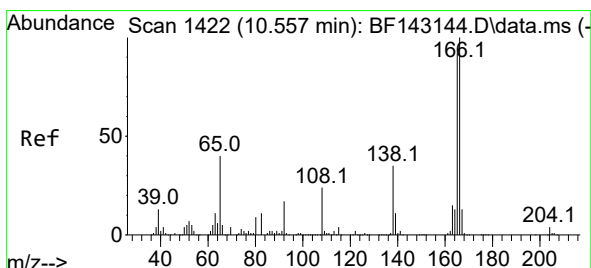
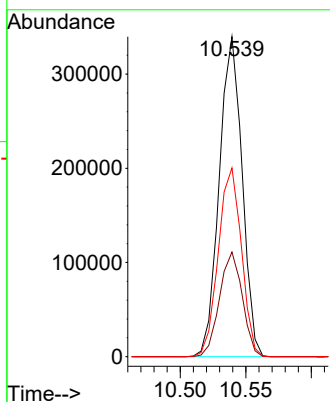
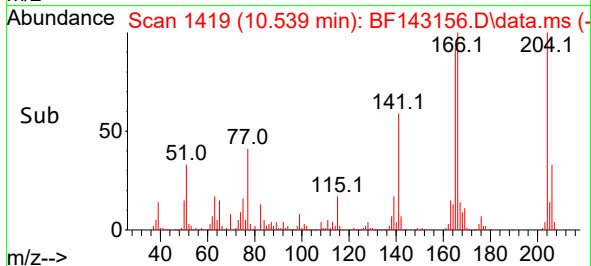
Instrument :
BNA_F
ClientSampleId :
PB167904BS



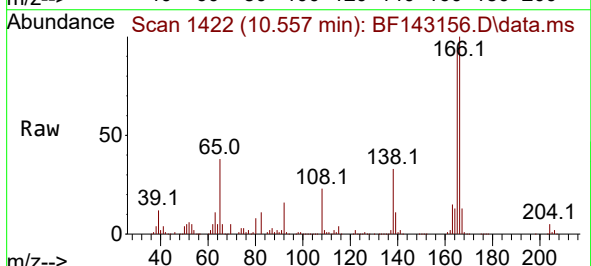
Tgt Ion:204 Resp: 411445
Ion Ratio Lower Upper
204 100
206 32.7 25.8 38.8
141 59.0 47.0 70.4

Manual Integrations
APPROVED

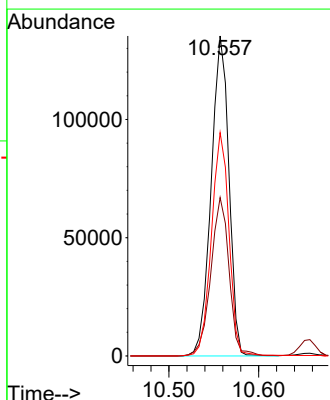
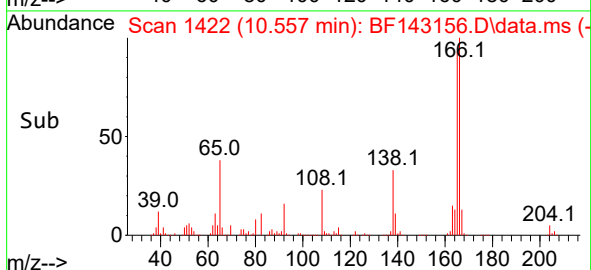
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

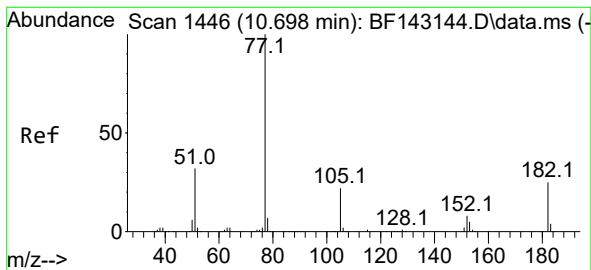


#62
4-Nitroaniline
Concen: 46.388 ng
RT: 10.557 min Scan# 1422
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07



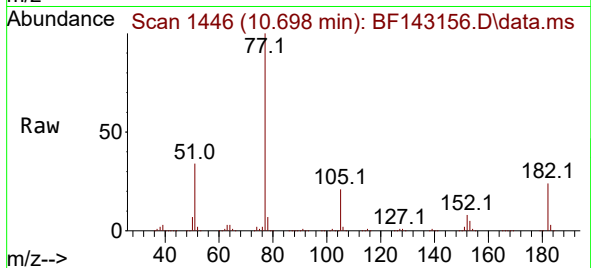
Tgt Ion:138 Resp: 185900
Ion Ratio Lower Upper
138 100
92 49.5 29.3 69.3
108 69.8 48.3 88.3





#63
Azobenzene
Concen: 43.822 ng
RT: 10.698 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

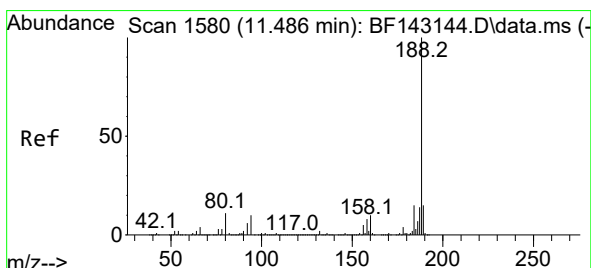
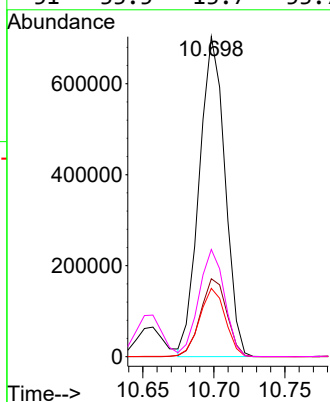
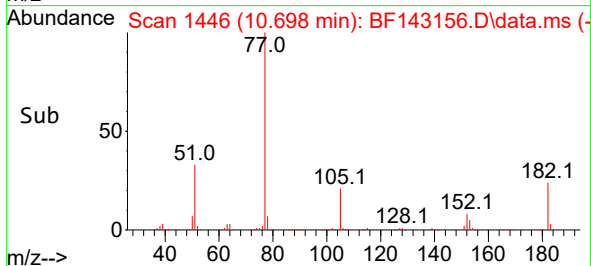
Instrument :
BNA_F
ClientSampleId :
PB167904BS



Tgt Ion: 77 Resp: 88711
Ion Ratio Lower Upper
77 100
182 24.4 4.6 44.6
105 21.3 1.4 41.4
51 33.5 13.7 53.7

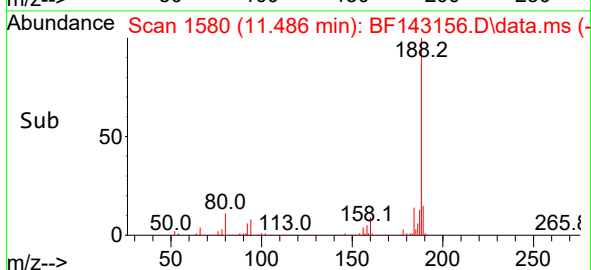
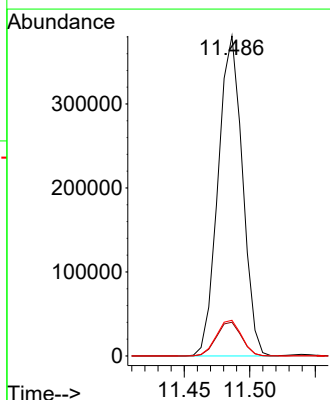
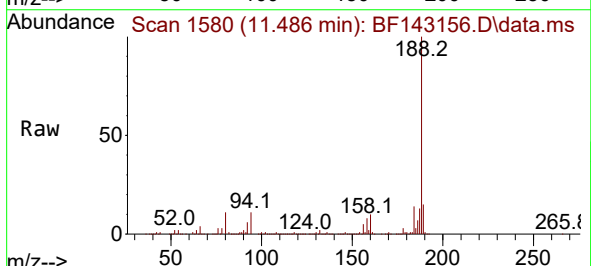
Manual Integrations
APPROVED

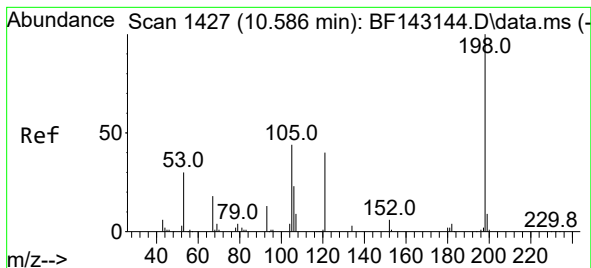
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025



#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

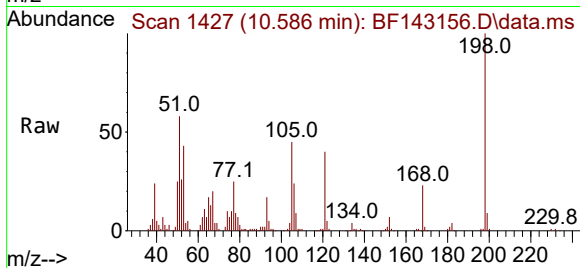
Tgt Ion:188 Resp: 492650
Ion Ratio Lower Upper
188 100
94 10.6 8.3 12.5
80 11.1 9.0 13.6





#65
4,6-Dinitro-2-methylphenol
Concen: 44.675 ng
RT: 10.586 min Scan# 1427
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

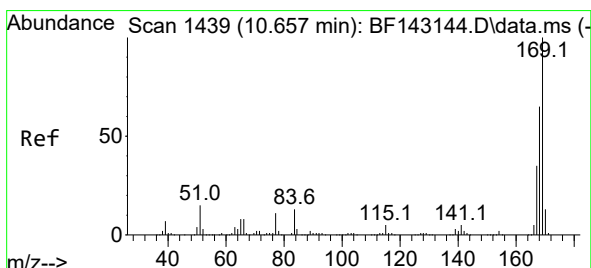
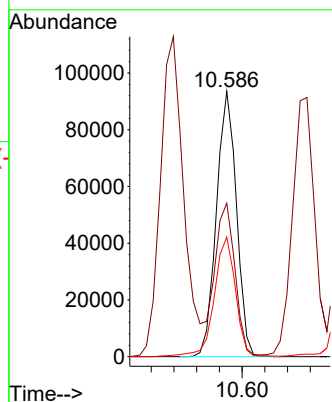
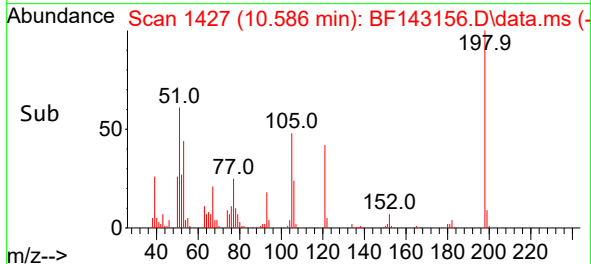
Instrument :
BNA_F
ClientSampleId :
PB167904BS



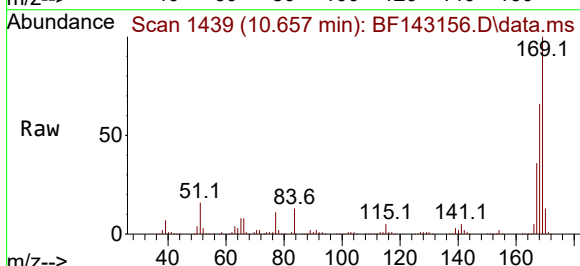
Tgt Ion:198 Resp: 11428
Ion Ratio Lower Upper
198 100
51 57.9 37.2 77.2
105 45.0 24.8 64.8

Manual Integrations
APPROVED

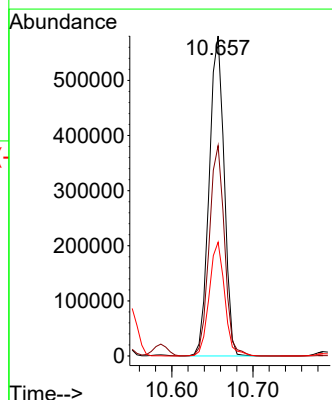
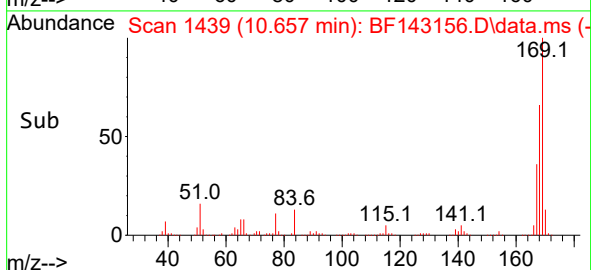
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

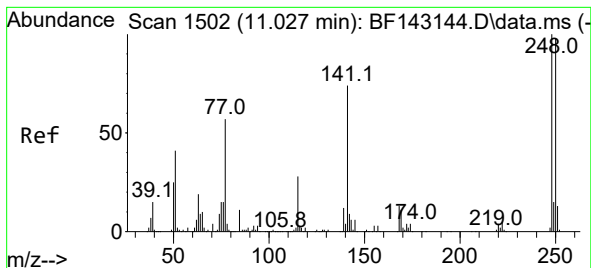


#66
n-Nitrosodiphenylamine
Concen: 42.775 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07



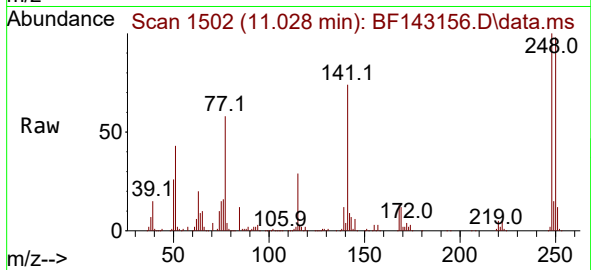
Tgt Ion:169 Resp: 742051
Ion Ratio Lower Upper
169 100
168 65.7 52.1 78.1
167 35.6 28.2 42.2





#67
4-Bromophenyl-phenylether
Concen: 43.637 ng
RT: 11.028 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

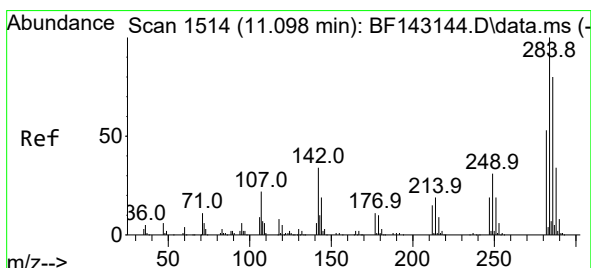
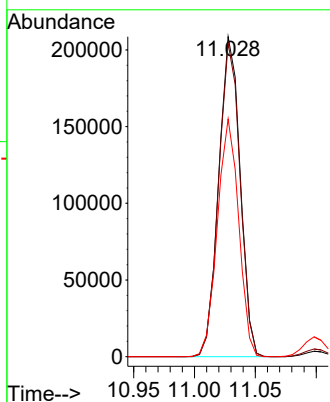
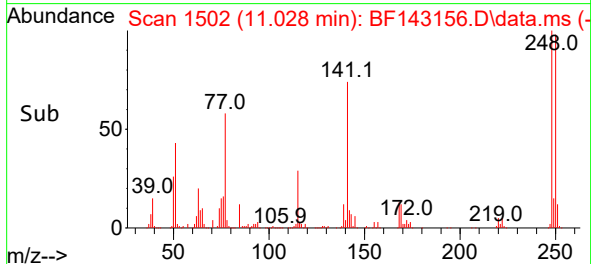
Instrument :
BNA_F
ClientSampleId :
PB167904BS



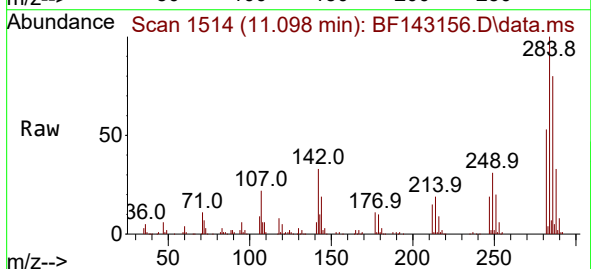
Tgt Ion:248 Resp: 256194
Ion Ratio Lower Upper
248 100
250 97.9 78.3 117.5
141 74.3 59.2 88.8

Manual Integrations
APPROVED

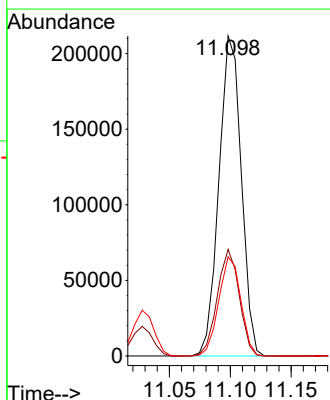
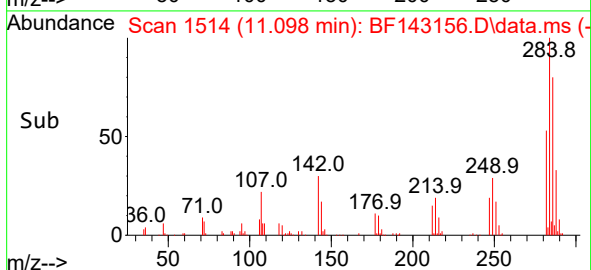
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

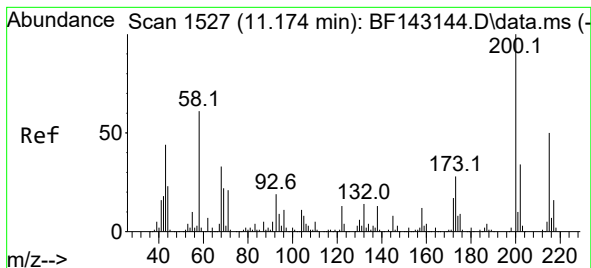


#68
Hexachlorobenzene
Concen: 44.023 ng
RT: 11.098 min Scan# 1514
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07



Tgt Ion:284 Resp: 270149
Ion Ratio Lower Upper
284 100
142 33.3 27.0 40.6
249 31.0 25.0 37.6





#69

Atrazine

Concen: 46.098 ng

RT: 11.181 min Scan# 1528

Delta R.T. 0.006 min

Lab File: BF143156.D

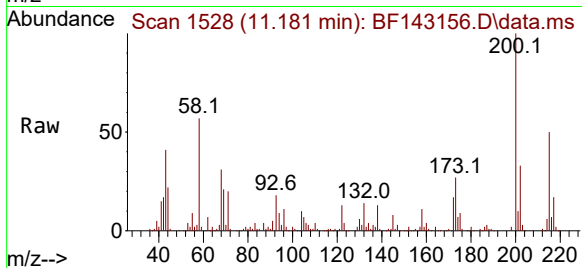
Acq: 17 Jul 2025 19:07

Instrument :

BNA_F

ClientSampleId :

PB167904BS



Tgt Ion:200 Resp: 220468

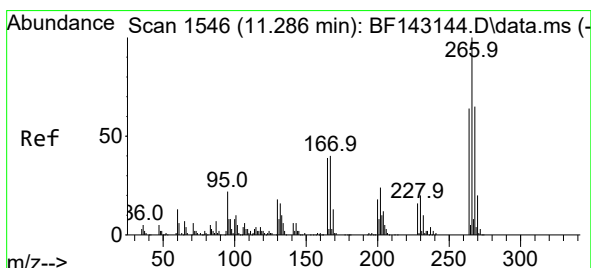
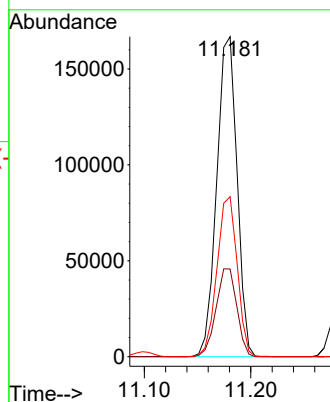
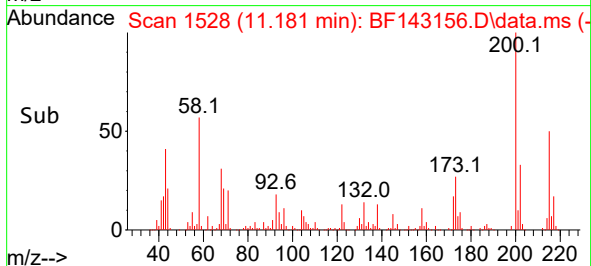
Ion	Ratio	Lower	Upper
200	100		
173	27.4	7.9	47.9
215	50.0	30.1	70.1

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#70

Pentachlorophenol

Concen: 89.760 ng

RT: 11.286 min Scan# 1546

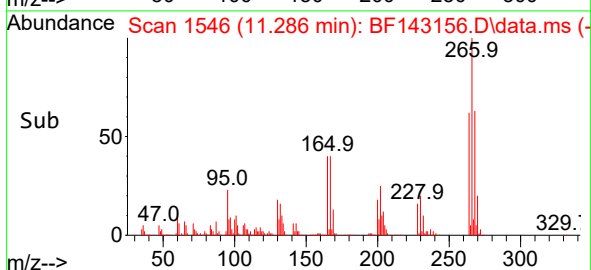
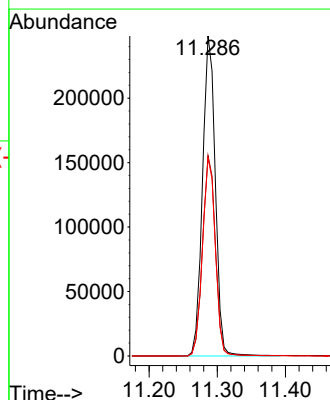
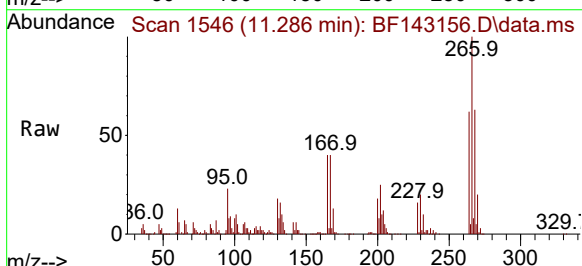
Delta R.T. 0.000 min

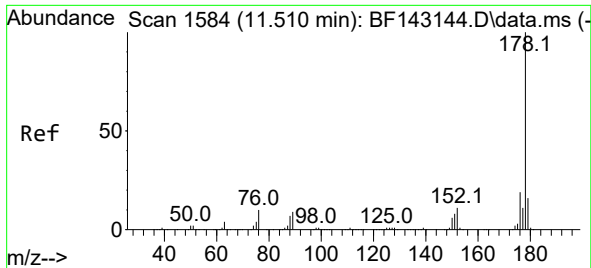
Lab File: BF143156.D

Acq: 17 Jul 2025 19:07

Tgt Ion:266 Resp: 323924

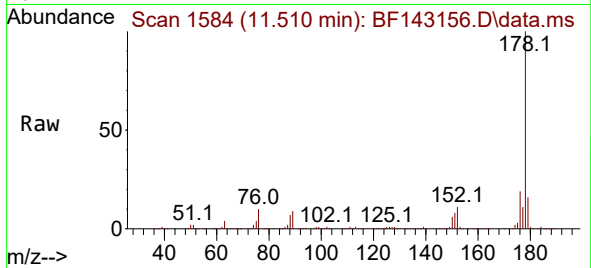
Ion	Ratio	Lower	Upper
266	100		
268	62.6	51.9	77.9
264	62.0	51.0	76.6





#71
Phenanthrene
Concen: 43.101 ng
RT: 11.510 min Scan# 1584
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

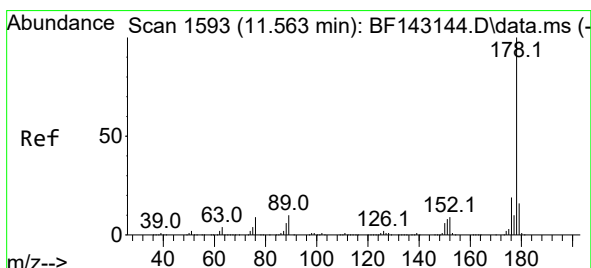
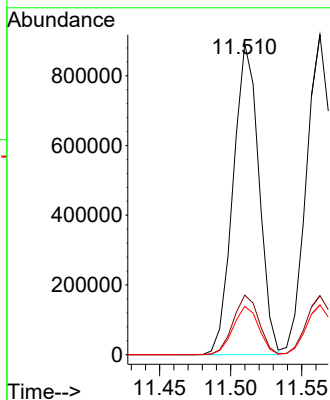
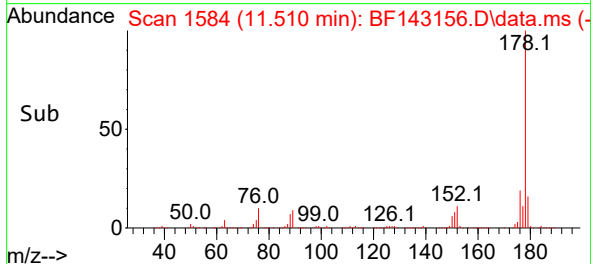
Instrument :
BNA_F
ClientSampleId :
PB167904BS



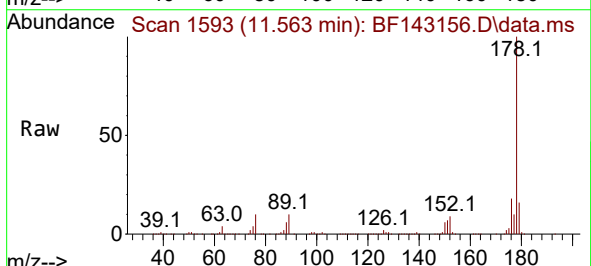
Tgt Ion:178 Resp: 1127430
Ion Ratio Lower Upper
178 100
176 19.2 15.3 22.9
179 15.5 12.5 18.7

Manual Integrations
APPROVED

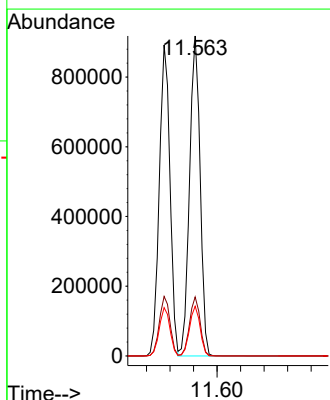
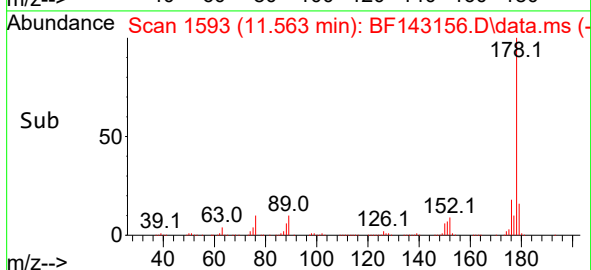
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

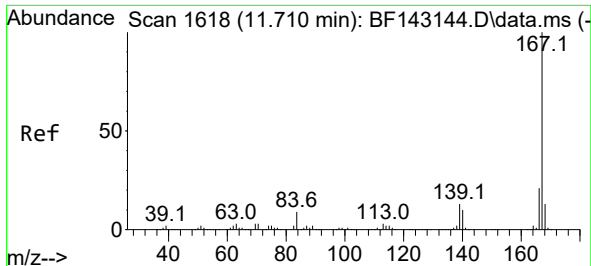


#72
Anthracene
Concen: 43.058 ng
RT: 11.563 min Scan# 1593
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07



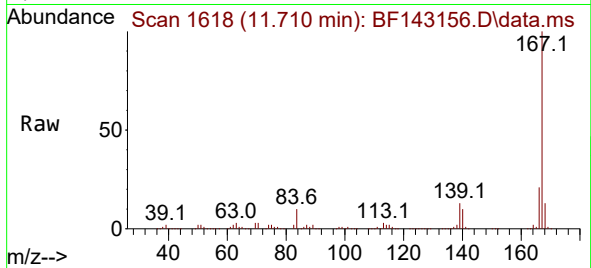
Tgt Ion:178 Resp: 1148719
Ion Ratio Lower Upper
178 100
176 18.5 15.0 22.4
179 15.5 12.5 18.7





#73
 Carbazole
 Concen: 43.474 ng
 RT: 11.710 min Scan# 1618
 Delta R.T. 0.000 min
 Lab File: BF143156.D
 Acq: 17 Jul 2025 19:07

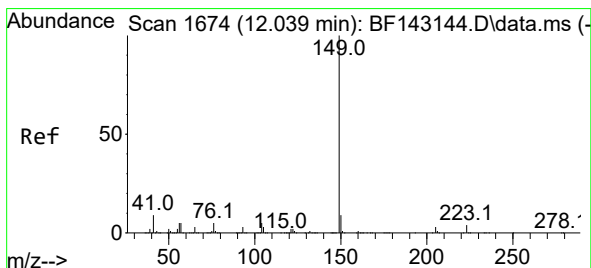
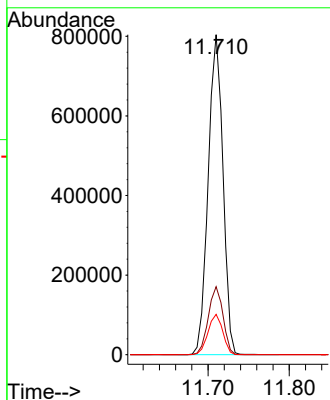
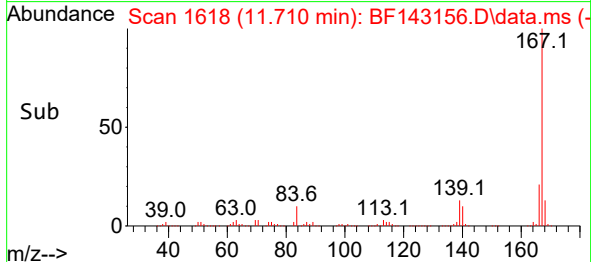
Instrument :
 BNA_F
 ClientSampleId :
 PB167904BS



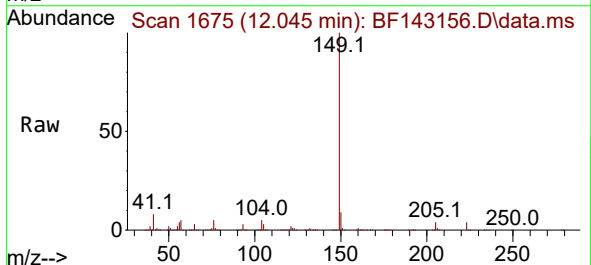
Tgt Ion:167 Resp: 1012740
 Ion Ratio Lower Upper
 167 100
 166 21.3 17.0 25.6
 139 12.6 10.0 15.0

Manual Integrations
 APPROVED

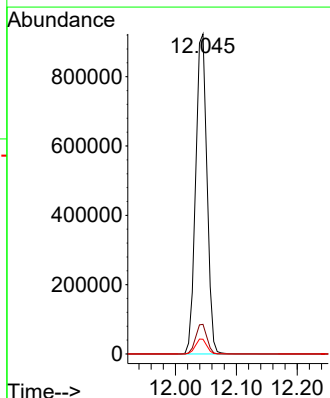
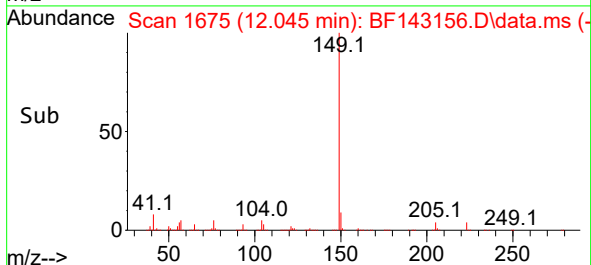
Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

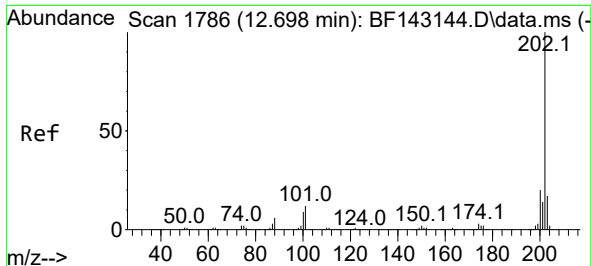


#74
 Di-n-butylphthalate
 Concen: 45.124 ng
 RT: 12.045 min Scan# 1675
 Delta R.T. 0.006 min
 Lab File: BF143156.D
 Acq: 17 Jul 2025 19:07



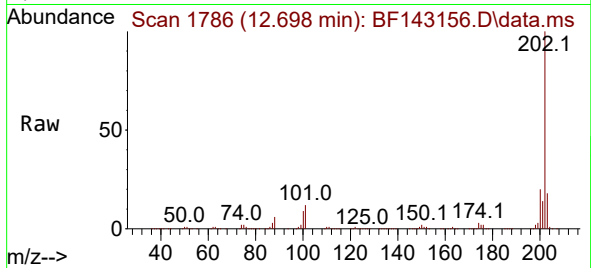
Tgt Ion:149 Resp: 1189417
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.2
 104 4.6 3.8 5.8





#75
Fluoranthene
Concen: 43.763 ng
RT: 12.698 min Scan# 1786
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

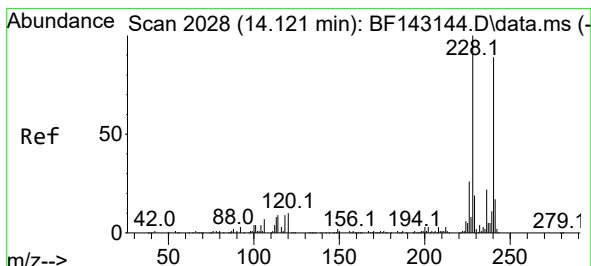
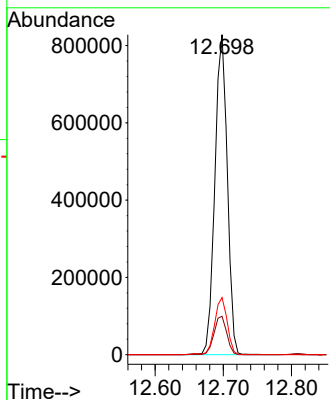
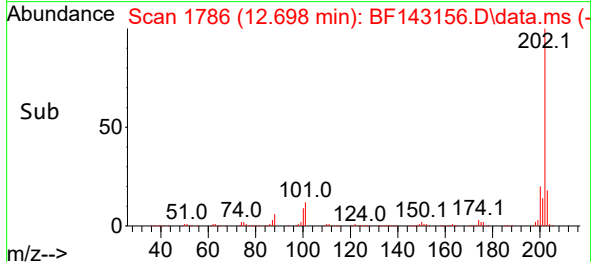
Instrument :
BNA_F
ClientSampleId :
PB167904BS



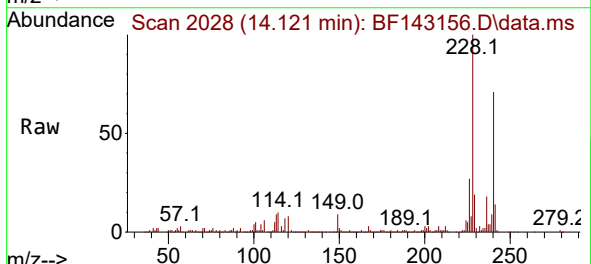
Tgt Ion:202 Resp: 105073
Ion Ratio Lower Upper
202 100
101 12.0 0.0 31.7
203 17.9 0.0 37.4

Manual Integrations
APPROVED

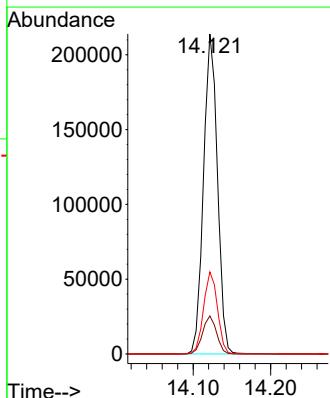
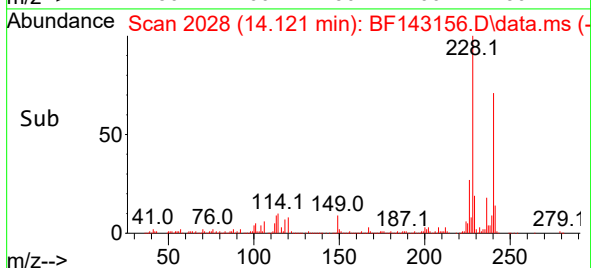
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

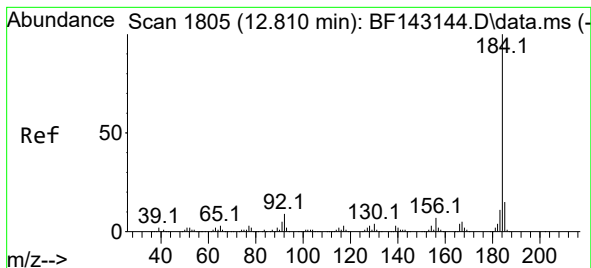


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.121 min Scan# 2028
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07



Tgt Ion:240 Resp: 266484
Ion Ratio Lower Upper
240 100
120 11.9 9.4 14.2
236 25.7 20.2 30.4





#77

Benzidine

Concen: 49.470 ng

RT: 12.810 min Scan# 1805

Delta R.T. -0.000 min

Lab File: BF143156.D

Acq: 17 Jul 2025 19:07

Instrument :

BNA_F

ClientSampleId :

PB167904BS

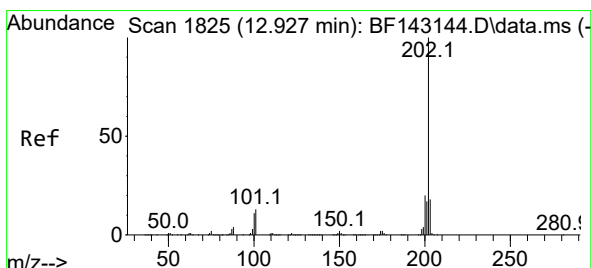
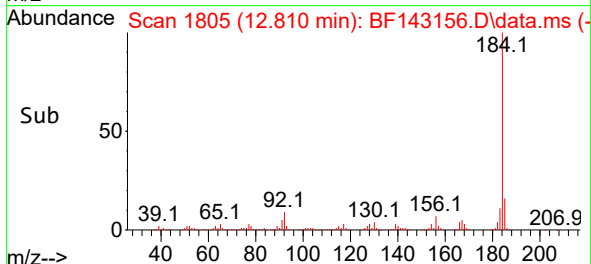
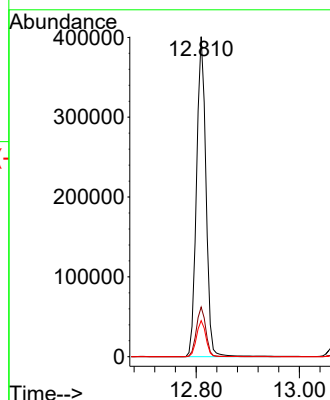
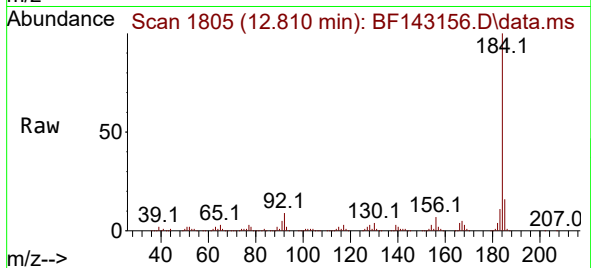
Tgt Ion:184 Resp: 507908
 Ion Ratio Lower Upper
 184 100
 185 15.5 12.2 18.4
 183 11.3 9.0 13.4

Manual Integrations

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Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#78

Pyrene

Concen: 45.974 ng

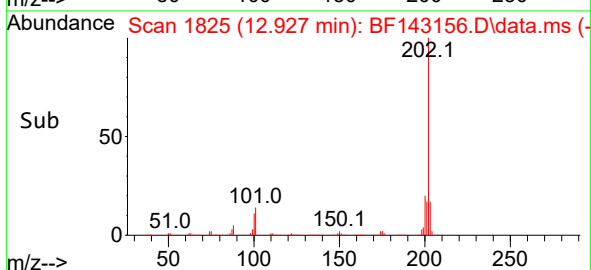
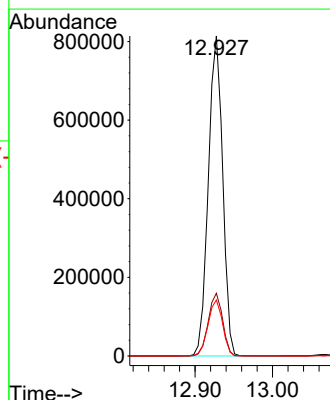
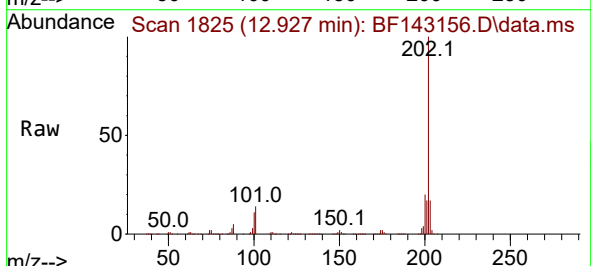
RT: 12.927 min Scan# 1825

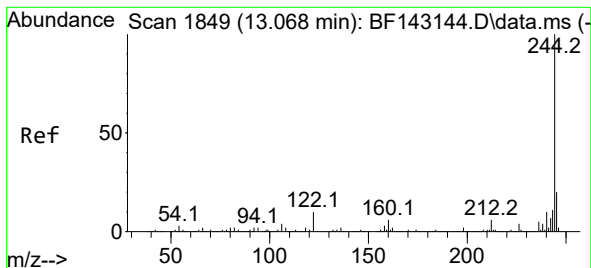
Delta R.T. 0.000 min

Lab File: BF143156.D

Acq: 17 Jul 2025 19:07

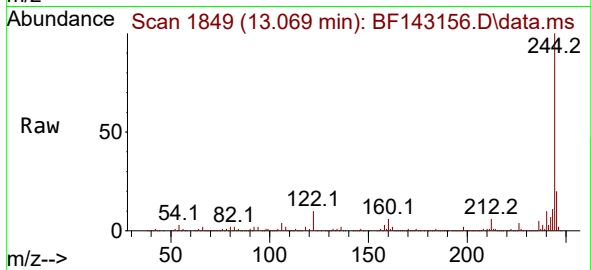
Tgt Ion:202 Resp: 1045578
 Ion Ratio Lower Upper
 202 100
 200 19.6 15.7 23.5
 203 17.5 14.2 21.2





#79
 Terphenyl-d14
 Concen: 78.419 ng
 RT: 13.069 min Scan# 1849
 Delta R.T. 0.000 min
 Lab File: BF143156.D
 Acq: 17 Jul 2025 19:07

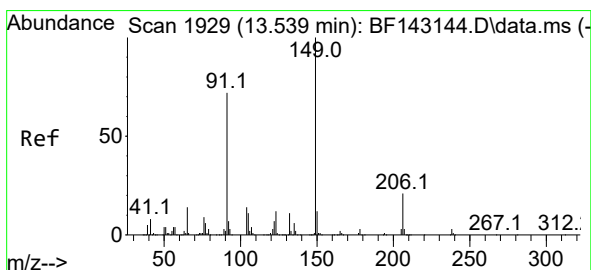
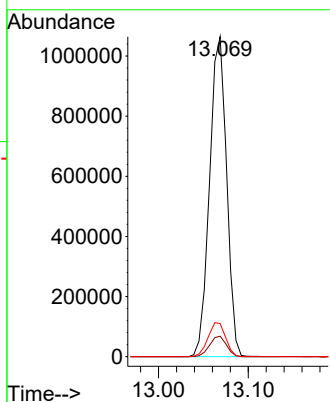
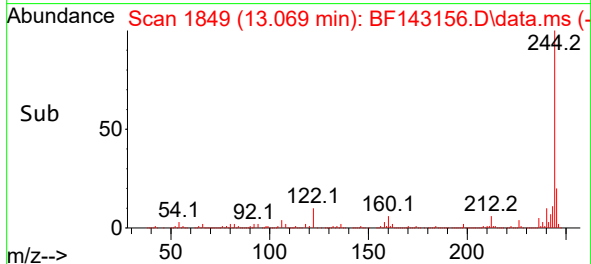
Instrument :
 BNA_F
 ClientSampleId :
 PB167904BS



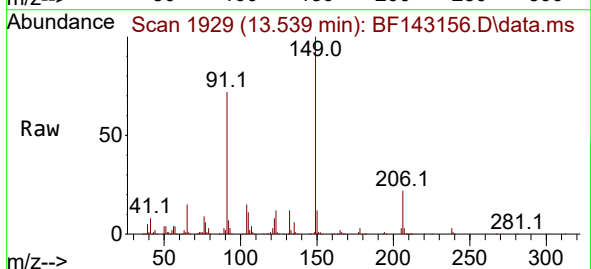
Tgt Ion:244 Resp: 1404290
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.2 7.8
 122 10.4 8.2 12.2

Manual Integrations
 APPROVED

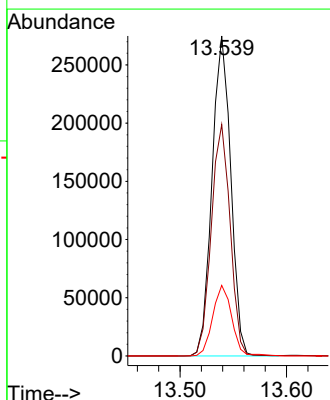
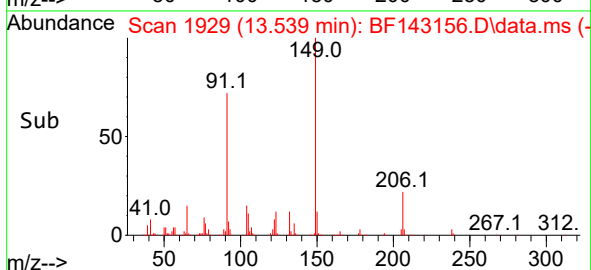
Reviewed By :Rahul Chavli 07/18/2025
 Supervised By :Jagrut Upadhyay 07/18/2025

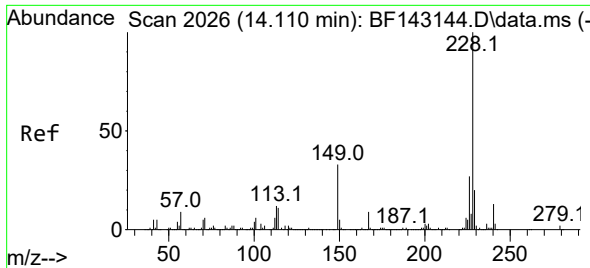


#80
 Butylbenzylphthalate
 Concen: 48.171 ng
 RT: 13.539 min Scan# 1929
 Delta R.T. 0.000 min
 Lab File: BF143156.D
 Acq: 17 Jul 2025 19:07



Tgt Ion:149 Resp: 335472
 Ion Ratio Lower Upper
 149 100
 91 72.3 57.9 86.9
 206 22.1 17.0 25.4





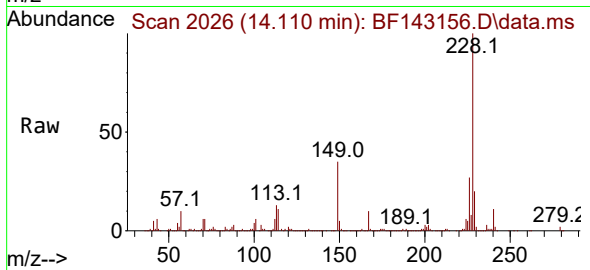
#81
Benzo(a)anthracene
Concen: 44.131 ng
RT: 14.110 min Scan# 2026
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

Instrument :

BNA_F

ClientSampleId :

PB167904BS



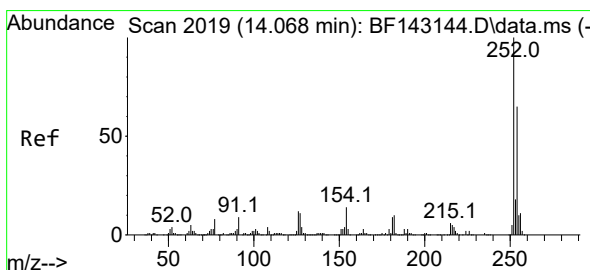
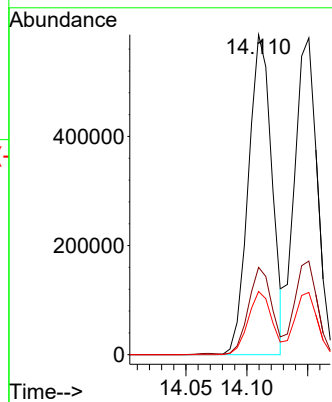
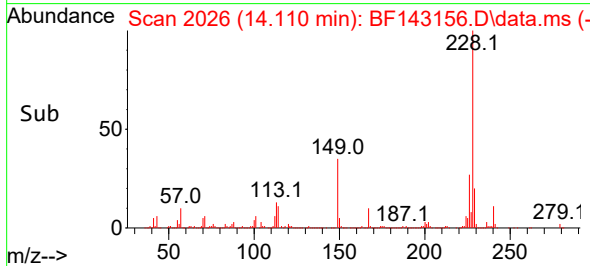
Tgt Ion:228 Resp: 787350
Ion Ratio Lower Upper
228 100
226 27.3 21.7 32.5
229 19.8 15.8 23.6

Manual Integrations

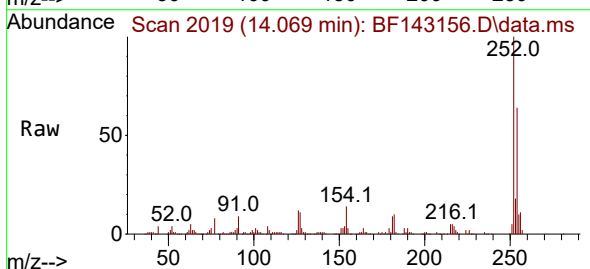
APPROVED

Reviewed By :Rahul Chavli 07/18/2025

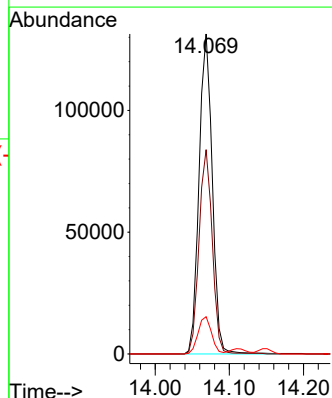
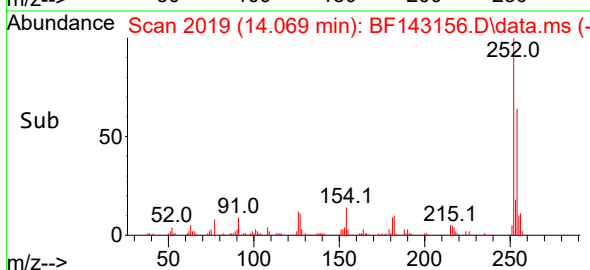
Supervised By :Jagrut Upadhyay 07/18/2025

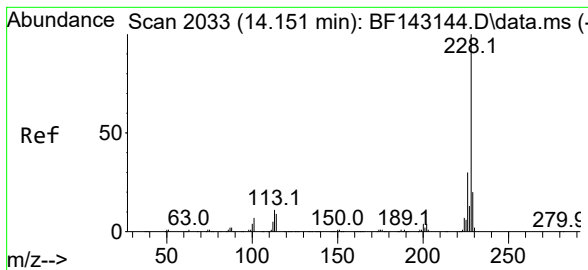


#82
3,3'-Dichlorobenzidine
Concen: 27.359 ng
RT: 14.069 min Scan# 2019
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07



Tgt Ion:252 Resp: 162682
Ion Ratio Lower Upper
252 100
254 63.8 51.7 77.5
126 11.7 9.4 14.0





#83

Chrysene

Concen: 46.806 ng

RT: 14.151 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF143156.D

Acq: 17 Jul 2025 19:07

Instrument :

BNA_F

ClientSampleId :

PB167904BS

Tgt Ion:228 Resp: 750808

Ion Ratio Lower Upper

228 100

226 29.5 23.8 35.8

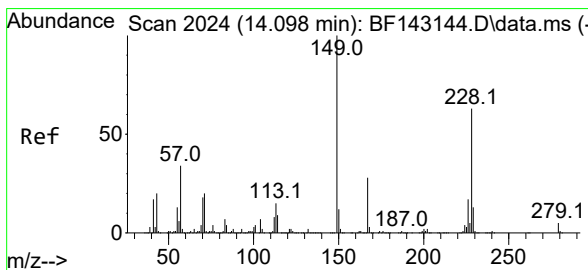
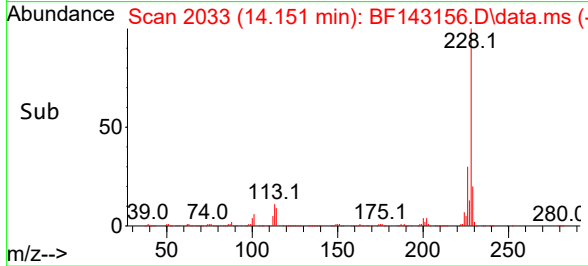
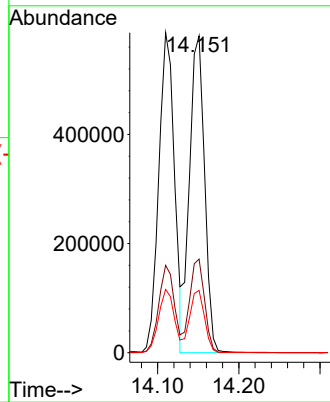
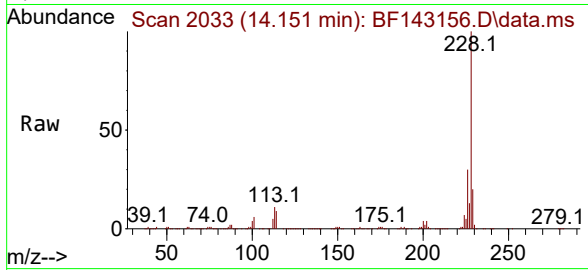
229 19.6 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 47.240 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF143156.D

Acq: 17 Jul 2025 19:07

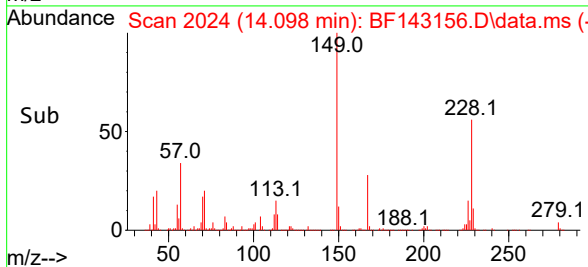
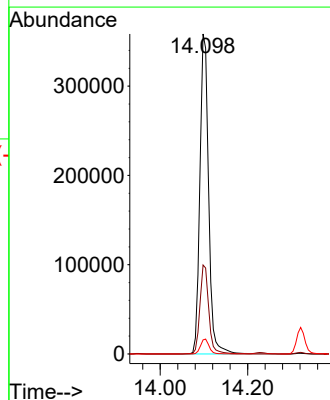
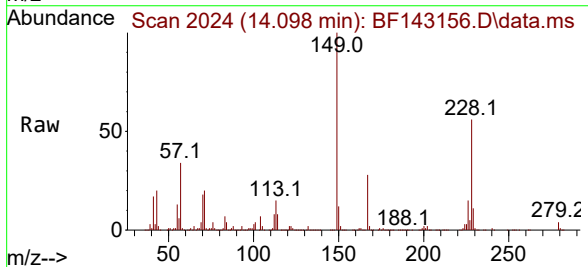
Tgt Ion:149 Resp: 497954

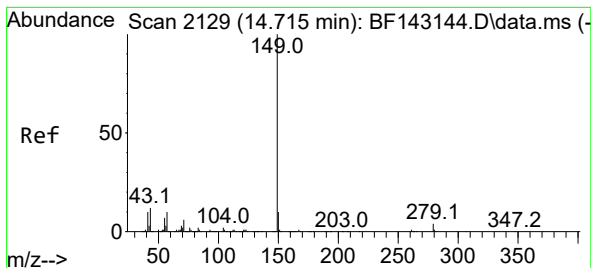
Ion Ratio Lower Upper

149 100

167 27.8 22.3 33.5

279 4.4 3.6 5.4





#85

Di-n-octyl phthalate

Concen: 46.217 ng

RT: 14.716 min Scan# 2129

Delta R.T. 0.000 min

Lab File: BF143156.D

Acq: 17 Jul 2025 19:07

Instrument :

BNA_F

ClientSampleId :

PB167904BS

Tgt Ion:149 Resp: 88306

Ion Ratio Lower Upper

149 100

167 1.5 1.1 1.7

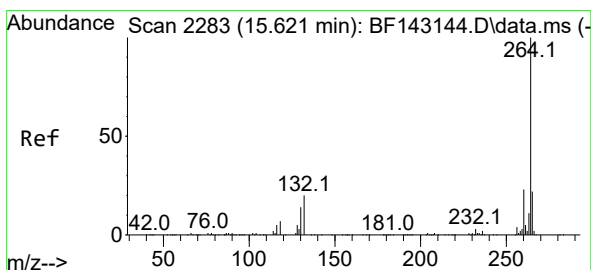
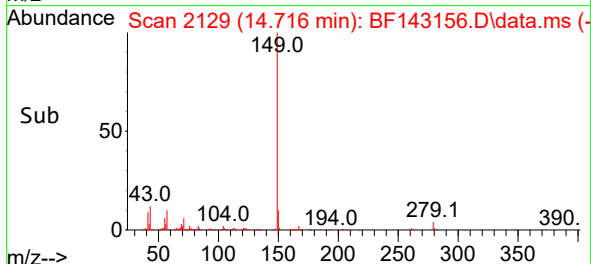
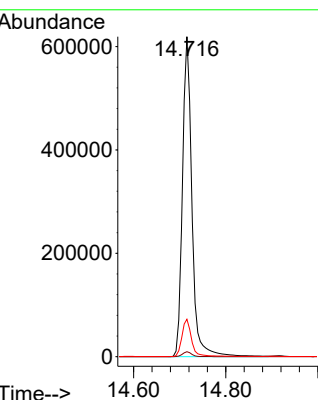
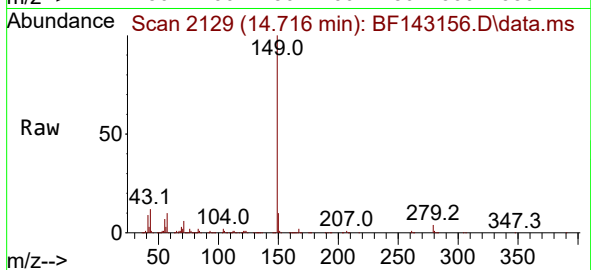
43 11.9 9.7 14.5

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#86

Perylene-d12

Concen: 20.000 ng

RT: 15.621 min Scan# 2283

Delta R.T. 0.000 min

Lab File: BF143156.D

Acq: 17 Jul 2025 19:07

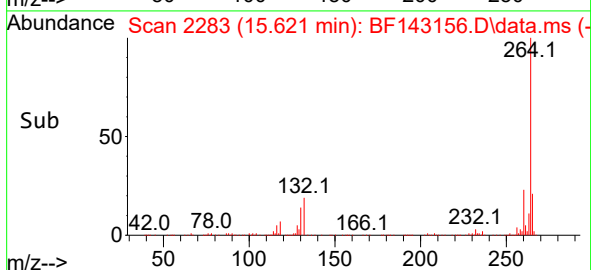
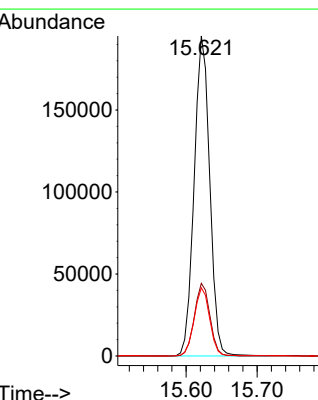
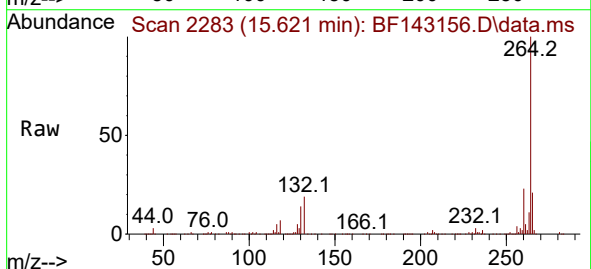
Tgt Ion:264 Resp: 298208

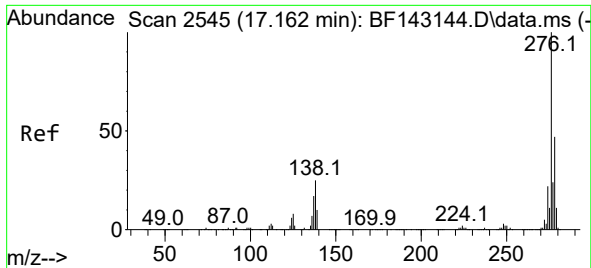
Ion Ratio Lower Upper

264 100

260 22.7 18.5 27.7

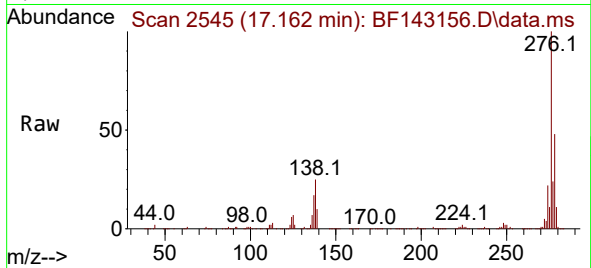
265 21.3 17.4 26.2





#87
Indeno(1,2,3-cd)pyrene
Concen: 44.829 ng
RT: 17.162 min Scan# 21
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

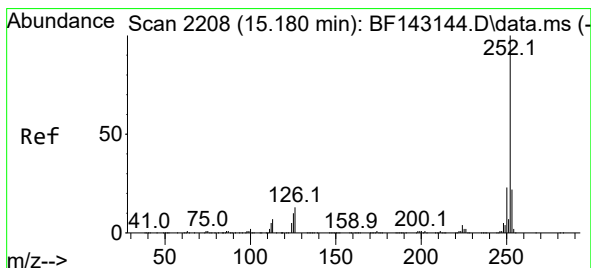
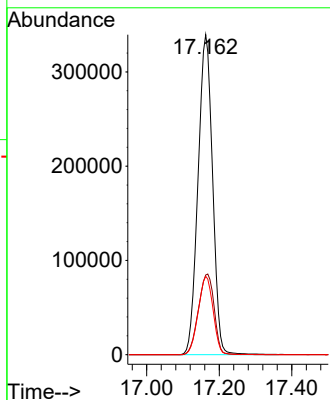
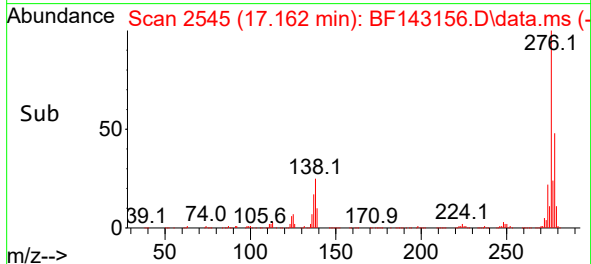
Instrument :
BNA_F
ClientSampleId :
PB167904BS



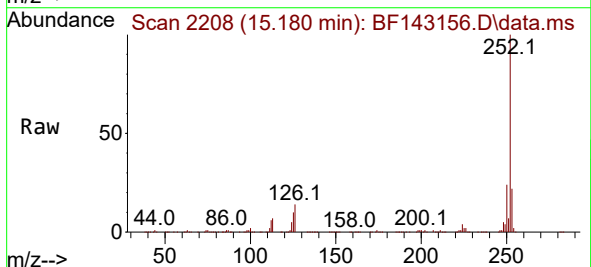
Tgt Ion:276 Resp: 94265
Ion Ratio Lower Upper
276 100
138 27.3 21.8 32.6
277 25.1 20.0 30.0

Manual Integrations
APPROVED

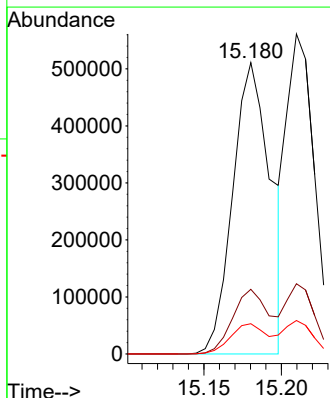
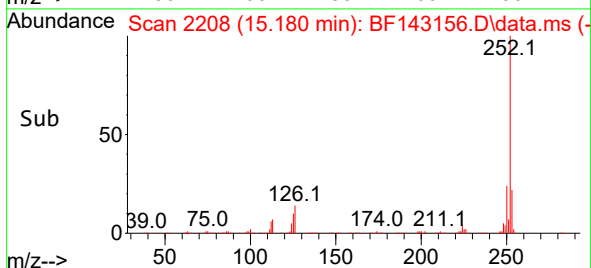
Reviewed By :Rahul Chavli 07/18/2025
Supervised By :Jagrut Upadhyay 07/18/2025

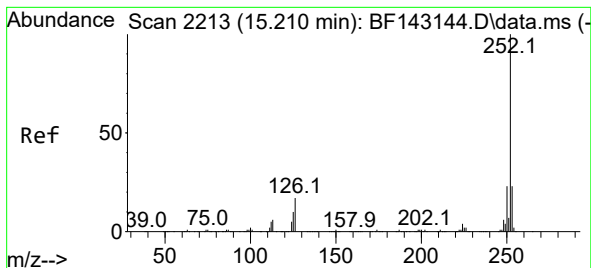


#88
Benzo(b)fluoranthene
Concen: 47.556 ng
RT: 15.180 min Scan# 2208
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07



Tgt Ion:252 Resp: 866367
Ion Ratio Lower Upper
252 100
253 22.2 17.5 26.3
125 10.4 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 43.291 ng

RT: 15.210 min Scan# 2213

Delta R.T. 0.000 min

Lab File: BF143156.D

Acq: 17 Jul 2025 19:07

Instrument :

BNA_F

ClientSampleId :

PB167904BS

Tgt Ion:252 Resp: 703769

Ion Ratio Lower Upper

252 100

253 21.9 17.8 26.6

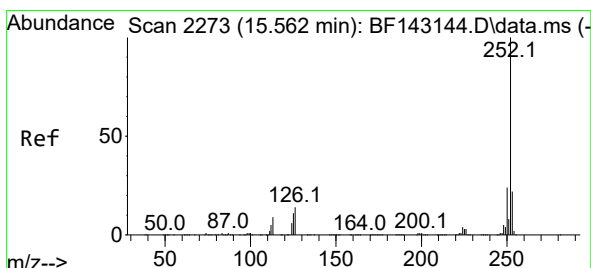
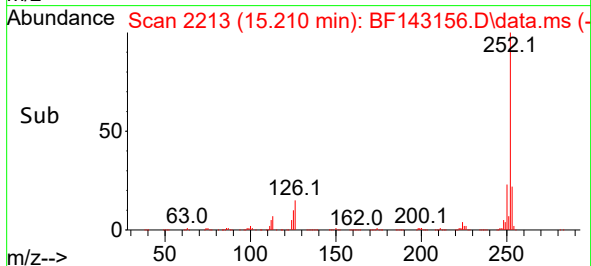
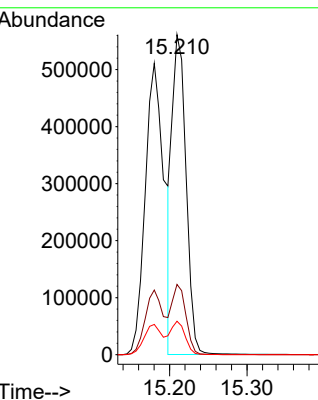
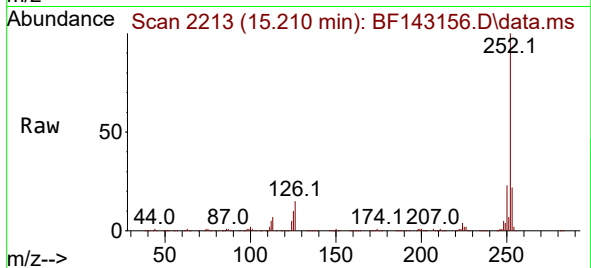
125 10.5 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#90

Benzo(a)pyrene

Concen: 45.203 ng

RT: 15.563 min Scan# 2273

Delta R.T. 0.000 min

Lab File: BF143156.D

Acq: 17 Jul 2025 19:07

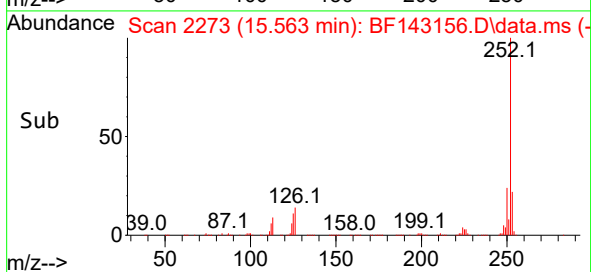
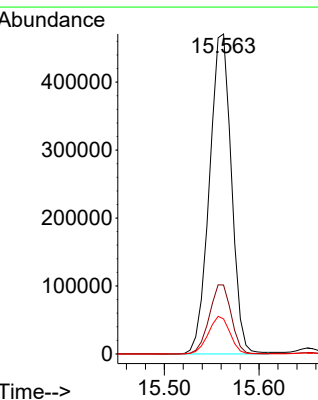
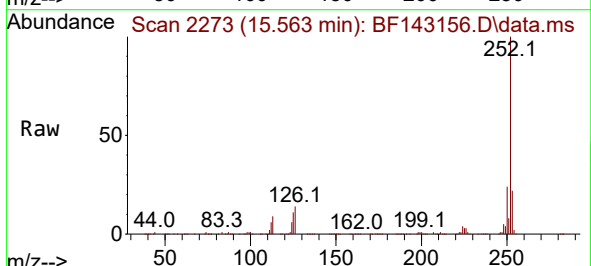
Tgt Ion:252 Resp: 758723

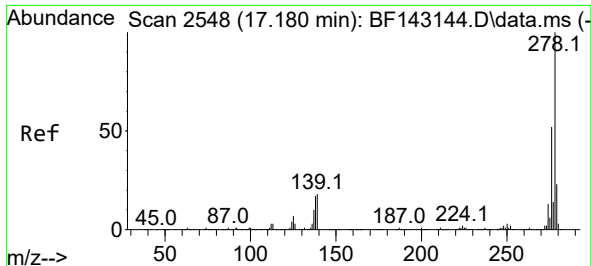
Ion Ratio Lower Upper

252 100

253 21.5 17.3 25.9

125 11.0 8.6 13.0





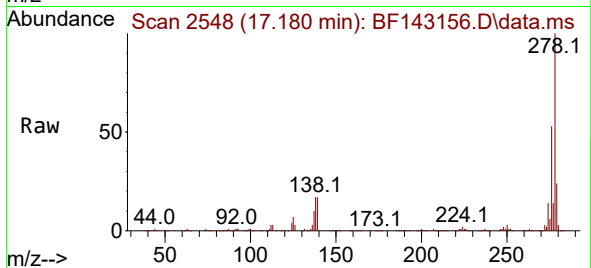
#91
Dibenzo(a,h)anthracene
Concen: 44.855 ng
RT: 17.180 min Scan# 2548
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07

Instrument :

BNA_F

ClientSampleId :

PB167904BS



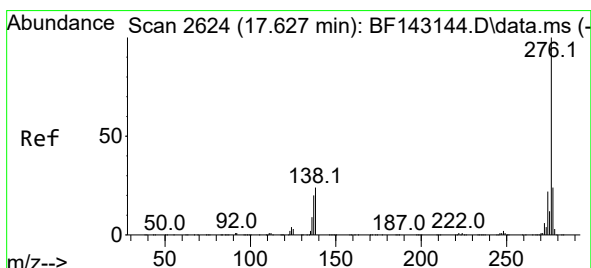
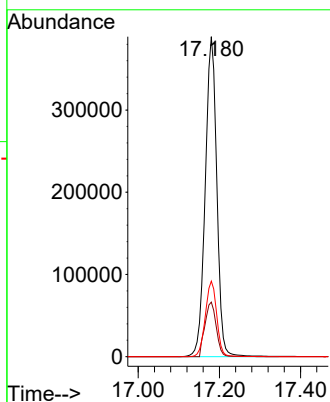
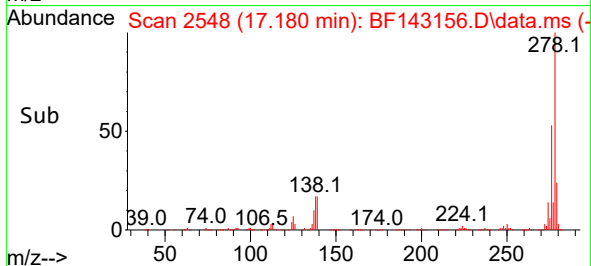
Tgt Ion:278 Resp: 767704
Ion Ratio Lower Upper
278 100
139 17.1 14.1 21.1
279 23.6 18.6 28.0

Manual Integrations

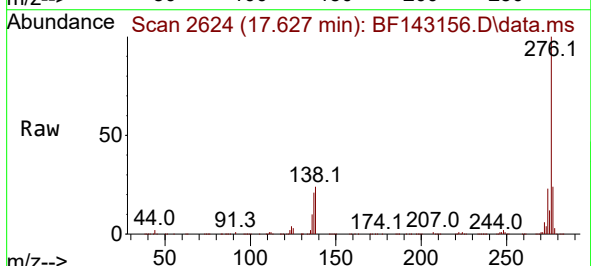
APPROVED

Reviewed By :Rahul Chavli 07/18/2025

Supervised By :Jagrut Upadhyay 07/18/2025



#92
Benzo(g,h,i)perylene
Concen: 44.575 ng
RT: 17.627 min Scan# 2624
Delta R.T. 0.000 min
Lab File: BF143156.D
Acq: 17 Jul 2025 19:07



Tgt Ion:276 Resp: 737983
Ion Ratio Lower Upper
276 100
277 23.9 19.1 28.7
138 24.1 18.9 28.3

