

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF072325\
 Data File : BF143212.D
 Acq On : 23 Jul 2025 15:31
 Operator : RC/JU
 Sample : PB168929BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB168929BS

Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 07/24/2025
 Supervised By :Jagrut Upadhyay 07/24/2025

Quant Time: Jul 23 15:57:22 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

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.963	152	127346	20.000	ng	0.00
21) Naphthalene-d8	8.245	136	497233	20.000	ng	0.00
39) Acenaphthene-d10	10.004	164	269042	20.000	ng	0.00
64) Phenanthrene-d10	11.486	188	457175	20.000	ng	0.00
76) Chrysene-d12	14.127	240	257414	20.000	ng	0.00
86) Perylene-d12	15.627	264	259291	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.610	112	856356	106.415	ng	0.02
7) Phenol-d6	6.593	99	1087717	107.386	ng	0.00
23) Nitrobenzene-d5	7.522	82	776976	77.891	ng	0.00
42) 2,4,6-Tribromophenol	10.792	330	327822	117.949	ng	0.00
45) 2-Fluorobiphenyl	9.322	172	1397519	71.040	ng	0.00
79) Terphenyl-d14	13.069	244	1360738	78.664	ng	0.00
Target Compounds						
						Qvalue
2) 1,4-Dioxane	2.905	88	127224	33.411	ng	99
3) Pyridine	3.658	79	353529	35.770	ng	98
4) n-Nitrosodimethylamine	3.599	42	208931	40.945	ng	97
6) Aniline	6.628	93	446346	31.618	ng	100
8) 2-Chlorophenol	6.751	128	355572	42.153	ng	97
9) Benzaldehyde	6.510	77	240055	31.606	ng	97
10) Phenol	6.610	94	456674	41.386	ng	89
11) bis(2-Chloroethyl)ether	6.693	93	344126	40.731	ng	100
12) 1,3-Dichlorobenzene	6.904	146	372518	40.653	ng	100
13) 1,4-Dichlorobenzene	6.981	146	377541	40.912	ng	99
14) 1,2-Dichlorobenzene	7.134	146	364259	41.502	ng	100
15) Benzyl Alcohol	7.098	79	331900	42.914	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.234	45	639401	40.797	ng	97
17) 2-Methylphenol	7.210	107	298687	42.113	ng	99
18) Hexachloroethane	7.481	117	136455	42.714	ng	99
19) n-Nitroso-di-n-propyla...	7.369	70	262936	40.461	ng	98
20) 3+4-Methylphenols	7.363	107	359582	41.787	ng	# 80
22) Acetophenone	7.369	105	482041	40.948	ng	# 96
24) Nitrobenzene	7.540	77	393984	42.364	ng	100
25) Isophorone	7.781	82	738787	41.954	ng	99
26) 2-Nitrophenol	7.857	139	193942	48.051	ng	100
27) 2,4-Dimethylphenol	7.893	122	342191	41.592	ng	99
28) bis(2-Chloroethoxy)met...	7.987	93	439929	41.668	ng	99
29) 2,4-Dichlorophenol	8.098	162	295824	42.636	ng	99
30) 1,2,4-Trichlorobenzene	8.187	180	318755	42.525	ng	99
31) Naphthalene	8.269	128	1019308	41.625	ng	100
32) Benzoic acid	8.010	122	231444	49.730	ng	99
33) 4-Chloroaniline	8.304	127	180929	18.095	ng	99
34) Hexachlorobutadiene	8.387	225	196852	42.990	ng	99
35) Caprolactam	8.675	113	103126m	49.186	ng	
36) 4-Chloro-3-methylphenol	8.793	107	335805	44.529	ng	98
37) 2-Methylnaphthalene	8.957	142	637504	42.782	ng	100
38) 1-Methylnaphthalene	9.057	142	659370	42.971	ng	100
40) 1,2,4,5-Tetrachloroben...	9.128	216	310898	40.025	ng	99
41) Hexachlorocyclopentadiene	9.116	237	434132	85.897	ng	99
43) 2,4,6-Trichlorophenol	9.234	196	222483	41.386	ng	99

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.275	196	236559	43.991	ng	99
46) 1,1'-Biphenyl	9.422	154	870859	41.488	ng	100
47) 2-Chloronaphthalene	9.445	162	644057	41.468	ng	99
48) 2-Nitroaniline	9.534	65	222155	45.611	ng	99
49) Acenaphthylene	9.863	152	1097730	42.174	ng	99
50) Dimethylphthalate	9.716	163	772585	44.055	ng	100
51) 2,6-Dinitrotoluene	9.775	165	170575	47.813	ng	99
52) Acenaphthene	10.039	154	703577	45.734	ng	97
53) 3-Nitroaniline	9.945	138	126346	30.278	ng	99
54) 2,4-Dinitrophenol	10.051	184	175905	106.394	ng	# 1
55) Dibenzofuran	10.210	168	946920	41.458	ng	100
56) 4-Nitrophenol	10.104	139	288611	92.622	ng	99
57) 2,4-Dinitrotoluene	10.181	165	230038	51.396	ng	96
58) Fluorene	10.551	166	731345	42.663	ng	99
59) 2,3,4,6-Tetrachlorophenol	10.322	232	183839	41.271	ng	99
60) Diethylphthalate	10.422	149	770778	44.467	ng	99
61) 4-Chlorophenyl-phenyle...	10.539	204	370456	43.401	ng	100
62) 4-Nitroaniline	10.563	138	172252	48.165	ng	97
63) Azobenzene	10.698	77	767093	42.462	ng	99
65) 4,6-Dinitro-2-methylph...	10.592	198	117398	48.873	ng	97
66) n-Nitrosodiphenylamine	10.657	169	663950	41.243	ng	99
67) 4-Bromophenyl-phenylether	11.028	248	229335	42.093	ng	98
68) Hexachlorobenzene	11.104	284	237782	41.755	ng	97
69) Atrazine	11.181	200	212724	47.930	ng	100
70) Pentachlorophenol	11.292	266	199919	59.697	ng	99
71) Phenanthrene	11.516	178	1013473	41.750	ng	99
72) Anthracene	11.563	178	1042962	42.127	ng	100
73) Carbazole	11.716	167	936735	43.331	ng	100
74) Di-n-butylphthalate	12.039	149	1158302	47.353	ng	100
75) Fluoranthene	12.698	202	1021601	45.851	ng	99
77) Benzidine	12.810	184	439225	44.288	ng	99
78) Pyrene	12.928	202	997507	45.405	ng	100
80) Butylbenzylphthalate	13.539	149	388473	57.747	ng	98
81) Benzo(a)anthracene	14.116	228	768789	44.609	ng	99
82) 3,3'-Dichlorobenzidine	14.069	252	130418	22.706	ng	99
83) Chrysene	14.151	228	667015	43.047	ng	100
84) Bis(2-ethylhexyl)phtha...	14.098	149	509639	50.052	ng	100
85) Di-n-octyl phthalate	14.710	149	801994	43.453	ng	99
87) Indeno(1,2,3-cd)pyrene	17.168	276	801110	43.816	ng	98
88) Benzo(b)fluoranthene	15.180	252	699919	44.186	ng	100
89) Benzo(k)fluoranthene	15.216	252	629517	44.536	ng	99
90) Benzo(a)pyrene	15.563	252	650257	44.555	ng	100
91) Dibenzo(a,h)anthracene	17.186	278	650784	43.731	ng	99
92) Benzo(g,h,i)perylene	17.639	276	645025	44.808	ng	98

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

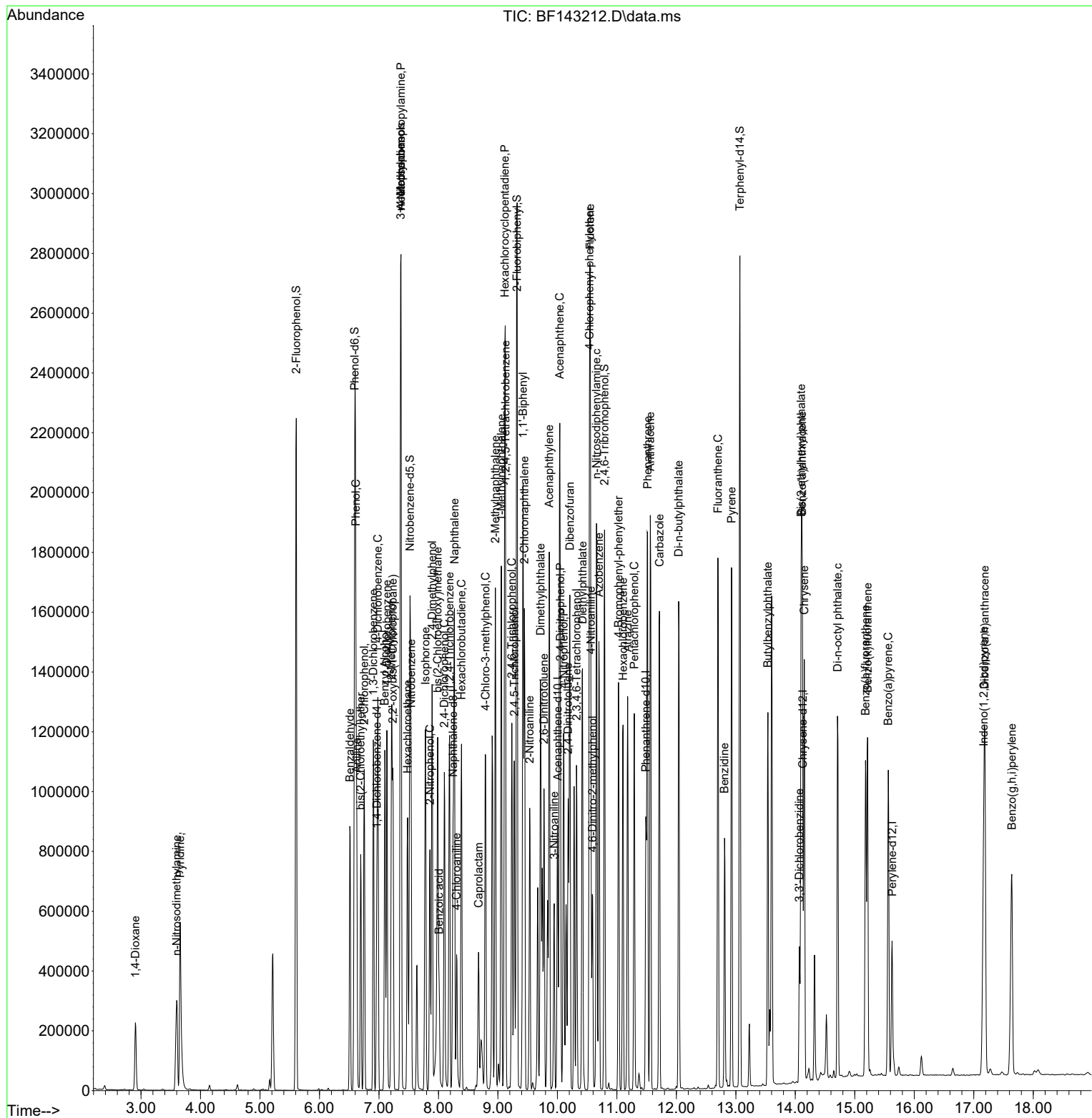
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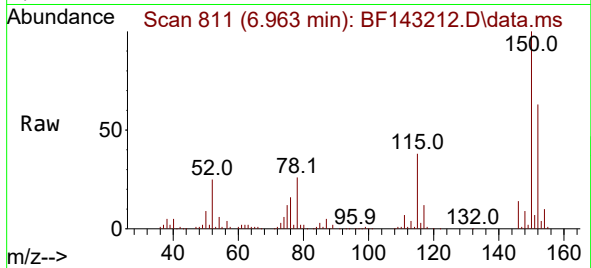
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#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.963 min Scan# 81
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

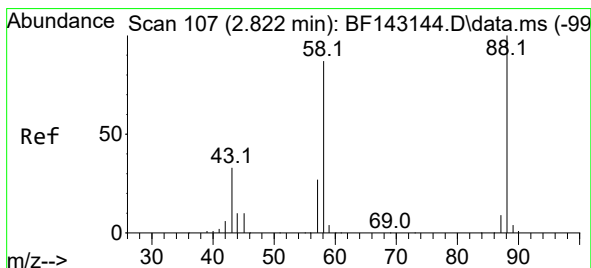
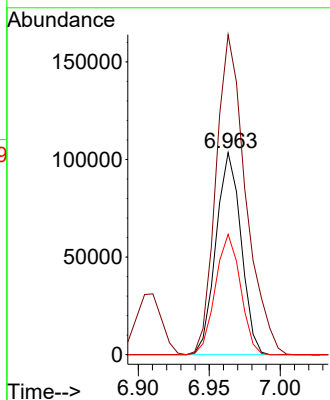
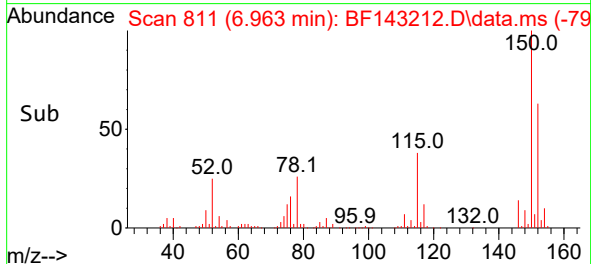
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BNA_F
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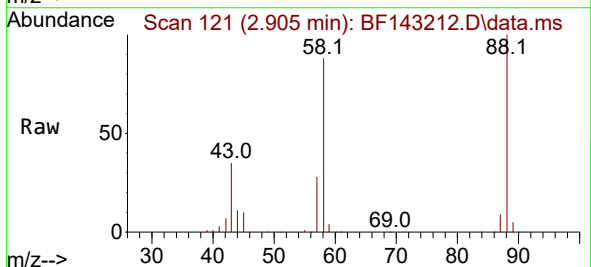
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Ion Ratio Lower Upper
152 100
150 158.4 128.2 192.4
115 59.6 47.9 71.9

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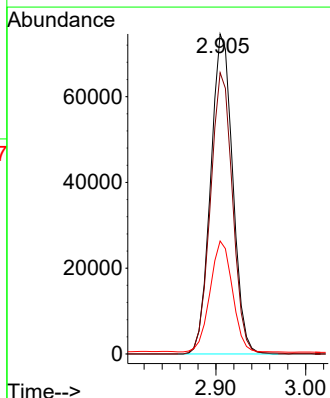
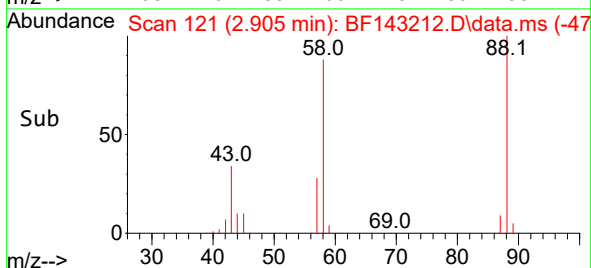
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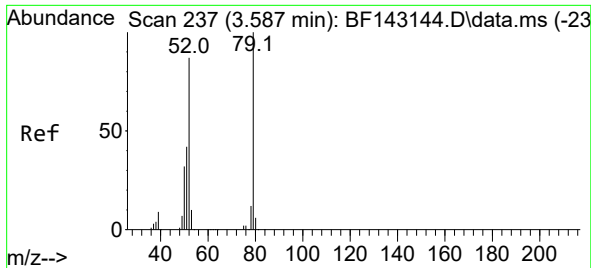


#2
1,4-Dioxane
Concen: 33.411 ng
RT: 2.905 min Scan# 121
Delta R.T. 0.083 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31



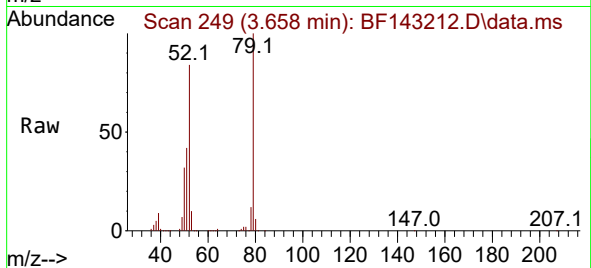
Tgt Ion: 88 Resp: 127224
Ion Ratio Lower Upper
88 100
58 88.3 70.2 105.2
43 35.3 27.1 40.7





#3
Pyridine
Concen: 35.770 ng
RT: 3.658 min Scan# 24
Delta R.T. 0.071 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

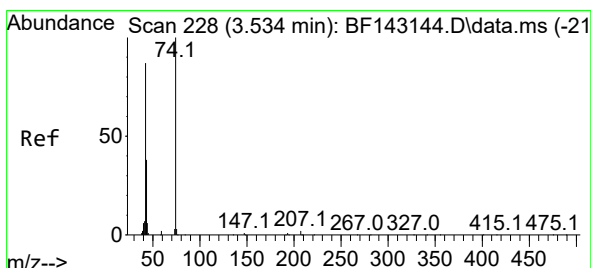
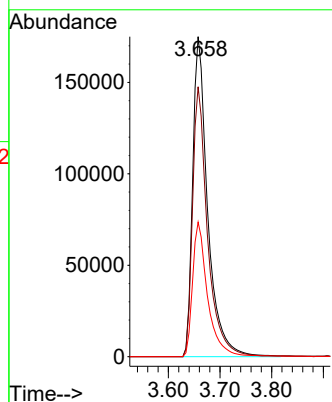
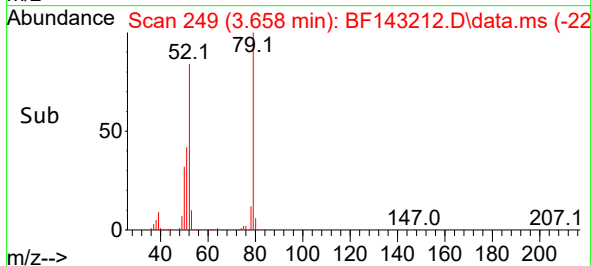
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PB168929BS



Tgt Ion: 79 Resp: 353529
Ion Ratio Lower Upper
79 100
52 84.3 69.4 104.2
51 42.1 33.5 50.3

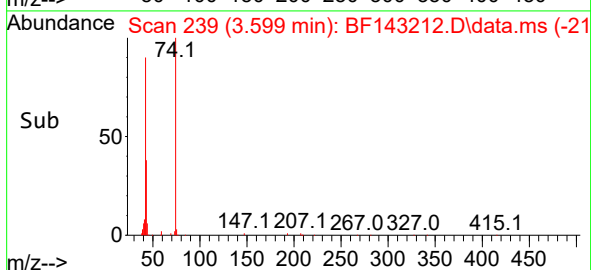
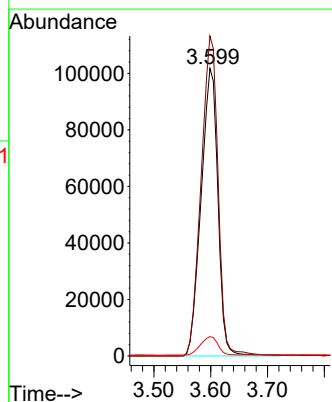
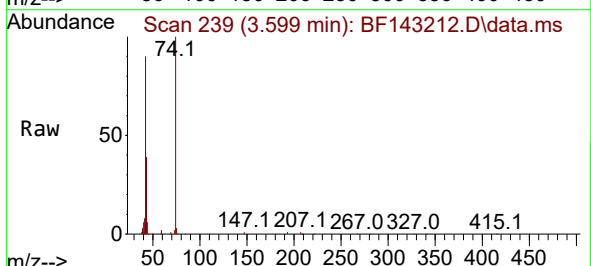
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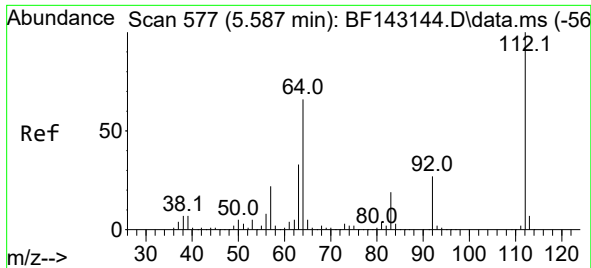
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#4
n-Nitrosodimethylamine
Concen: 40.945 ng
RT: 3.599 min Scan# 239
Delta R.T. 0.065 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

Tgt Ion: 42 Resp: 208931
Ion Ratio Lower Upper
42 100
74 111.3 91.7 137.5
44 6.7 5.6 8.4





#5
2-Fluorophenol
Concen: 106.415 ng
RT: 5.610 min Scan# 51
Delta R.T. 0.024 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS

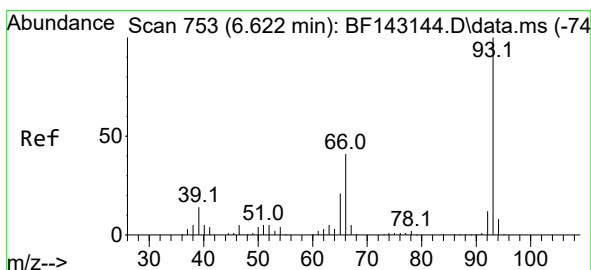
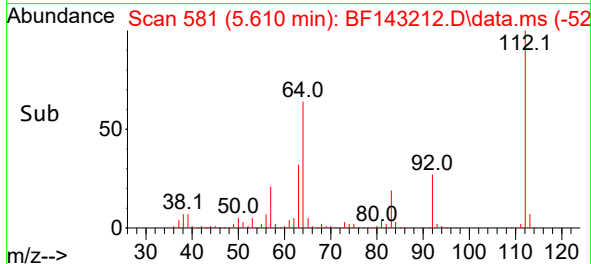
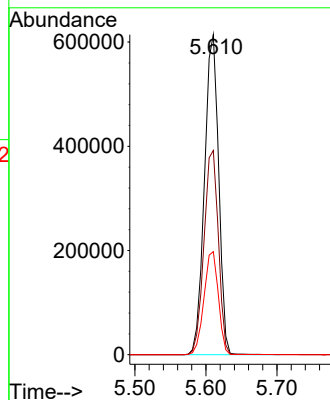
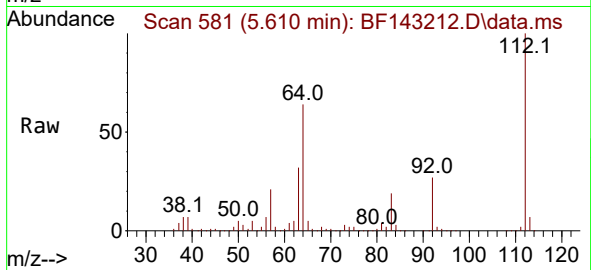
Tgt Ion:112 Resp: 856350
Ion Ratio Lower Upper
112 100
64 63.8 53.1 79.7
63 32.2 26.6 40.0

Manual Integrations

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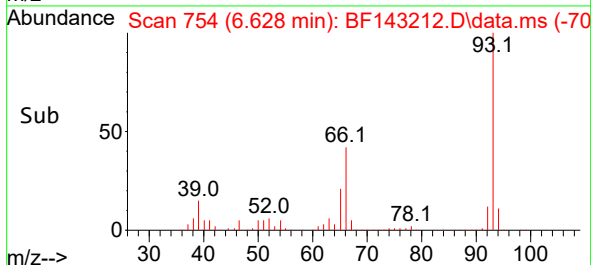
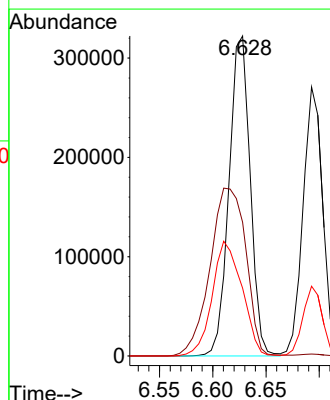
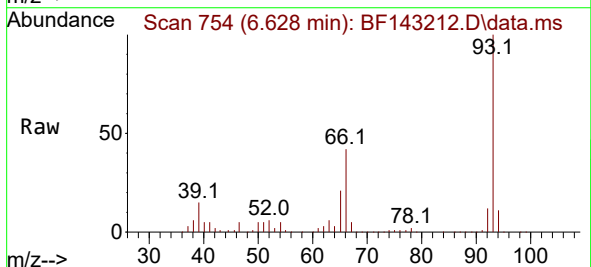
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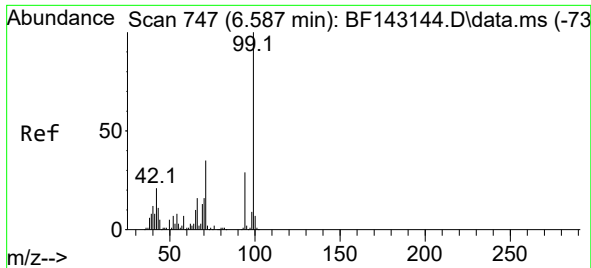
Supervised By :Jagrut Upadhyay 07/24/2025



#6
Aniline
Concen: 31.618 ng
RT: 6.628 min Scan# 754
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

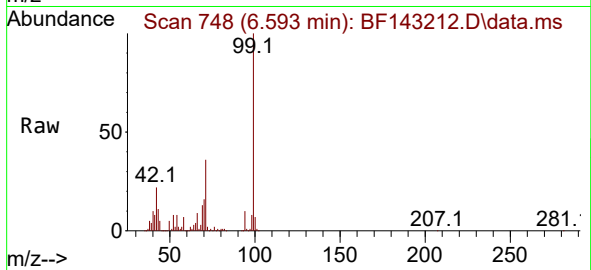
Tgt Ion: 93 Resp: 446346
Ion Ratio Lower Upper
93 100
66 41.8 33.2 49.8
65 21.2 16.9 25.3





#7
Phenol-d6
Concen: 107.386 ng
RT: 6.593 min Scan# 747
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

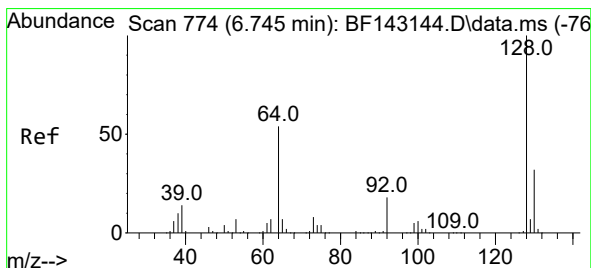
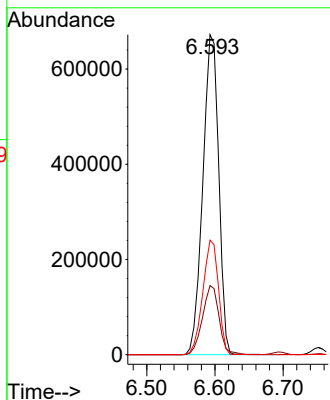
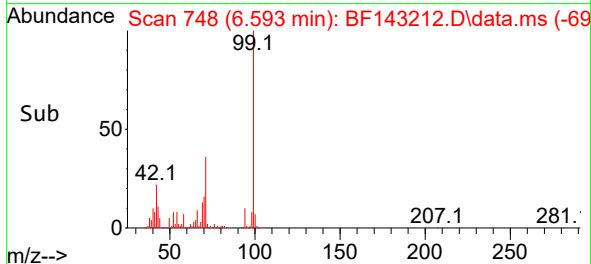
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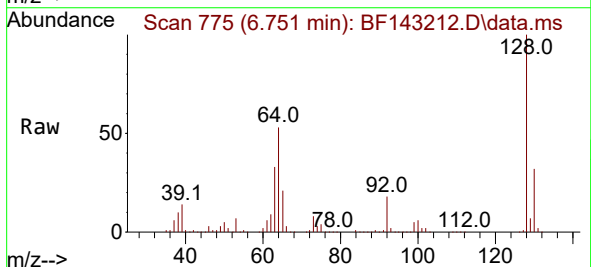
Tgt Ion: 99 Resp: 108771
Ion Ratio Lower Upper
99 100
42 21.6 17.0 25.6
71 35.8 27.7 41.5

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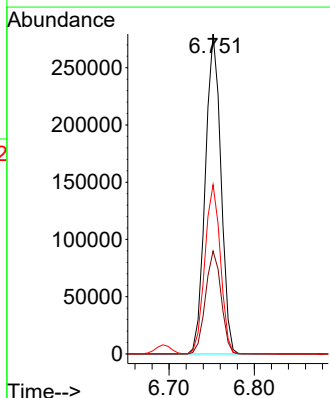
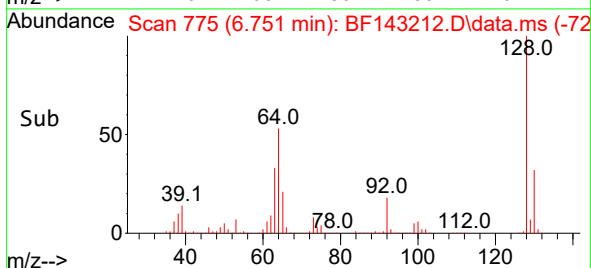
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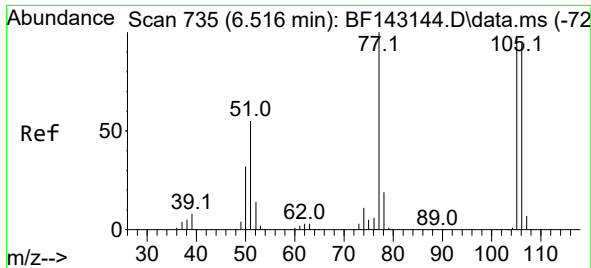


#8
2-Chlorophenol
Concen: 42.153 ng
RT: 6.751 min Scan# 775
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31



Tgt Ion:128 Resp: 355572
Ion Ratio Lower Upper
128 100
130 32.1 12.3 52.3
64 52.9 35.9 75.9





#9
Benzaldehyde
Concen: 31.606 ng
RT: 6.510 min Scan# 710
Delta R.T. -0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

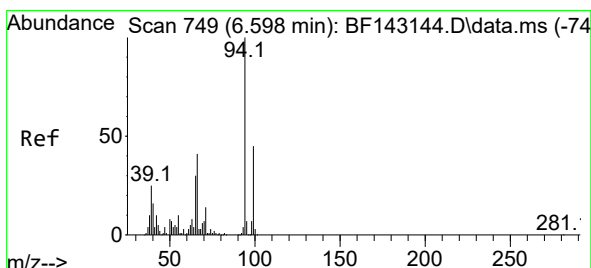
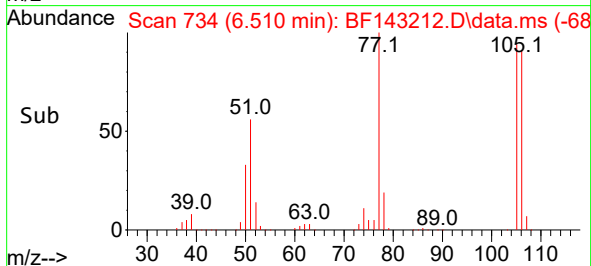
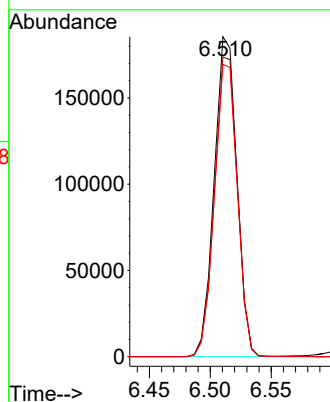
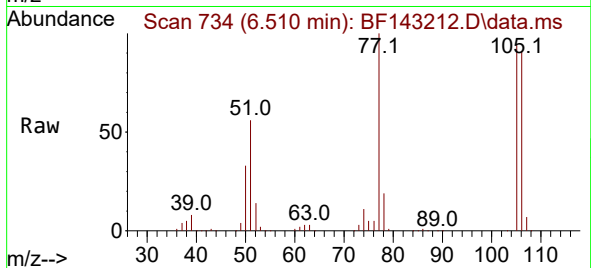
PB168929BS

Tgt Ion: 77 Resp: 24005
Ion Ratio Lower Upper
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105 93.6 76.8 116.8
106 91.3 74.4 114.4

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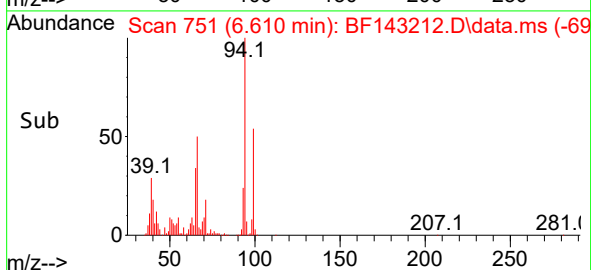
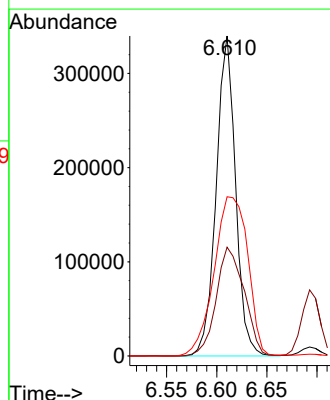
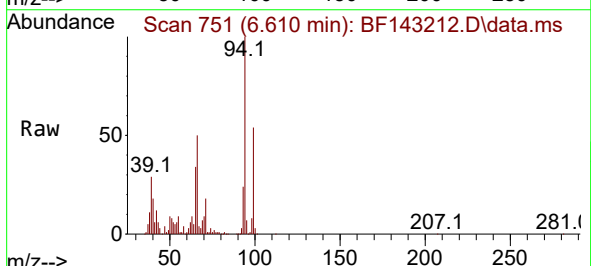
APPROVED

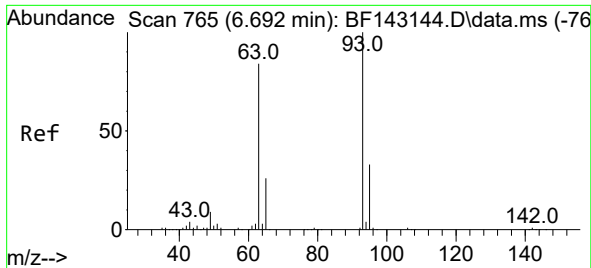
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#10
Phenol
Concen: 41.386 ng
RT: 6.610 min Scan# 751
Delta R.T. 0.012 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

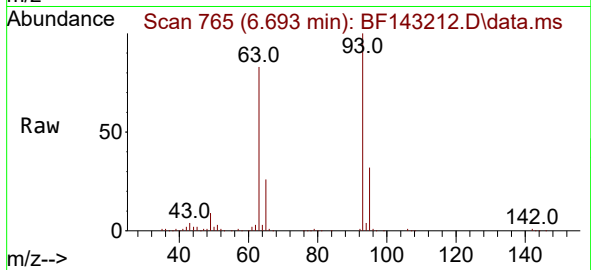
Tgt Ion: 94 Resp: 456674
Ion Ratio Lower Upper
94 100
65 34.0 10.0 50.0
66 49.7 20.8 60.8





#11
bis(2-Chloroethyl)ether
Concen: 40.731 ng
RT: 6.693 min Scan# 765
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

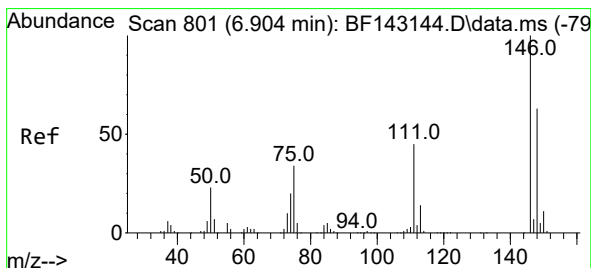
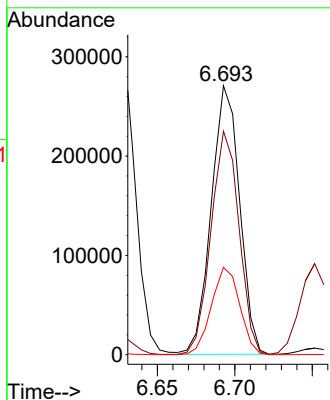
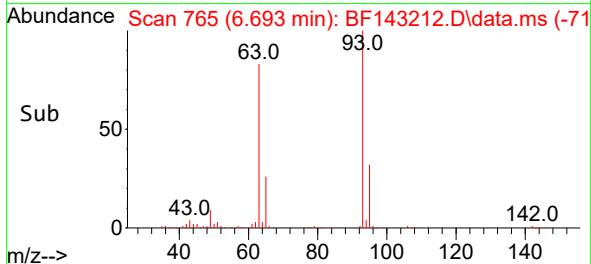
Instrument :
BNA_F
ClientSampleId :
PB168929BS



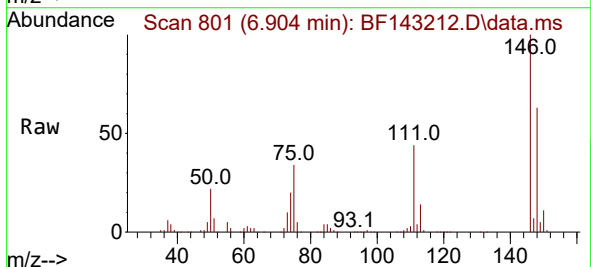
Tgt Ion: 93 Resp: 344120
Ion Ratio Lower Upper
93 100
63 83.1 63.4 103.4
95 32.5 12.4 52.4

Manual Integrations
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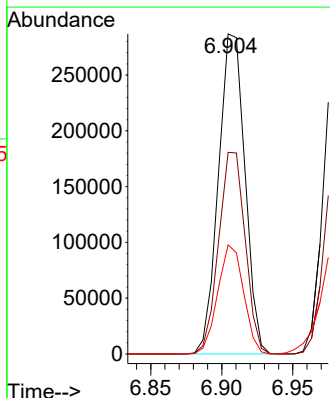
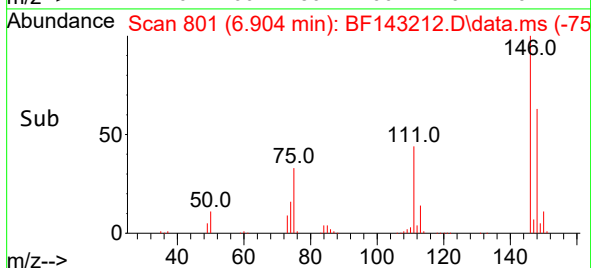
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

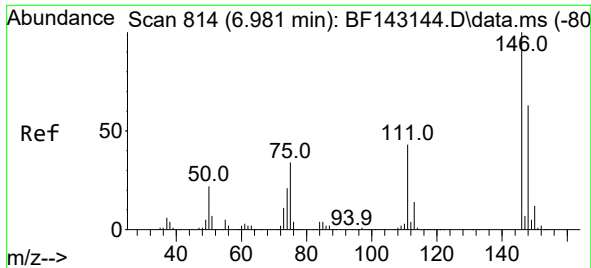


#12
1,3-Dichlorobenzene
Concen: 40.653 ng
RT: 6.904 min Scan# 801
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31



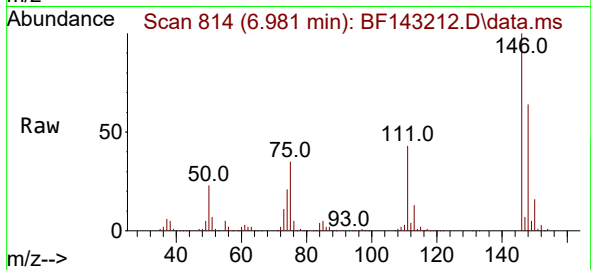
Tgt Ion:146 Resp: 372518
Ion Ratio Lower Upper
146 100
148 63.0 50.6 76.0
75 34.1 27.4 41.2





#13
1,4-Dichlorobenzene
Concen: 40.912 ng
RT: 6.981 min Scan# 814
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

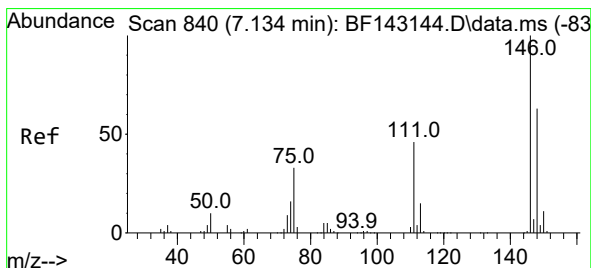
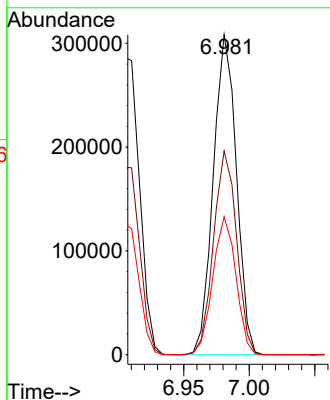
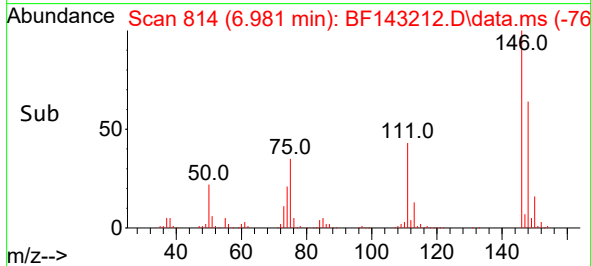
Instrument :
BNA_F
ClientSampleId :
PB168929BS



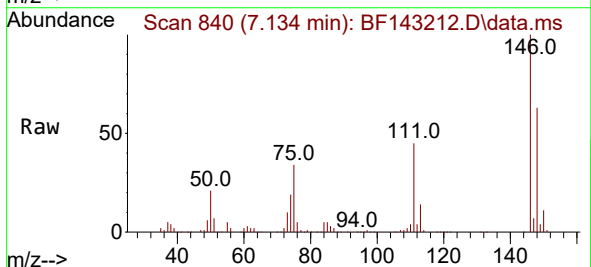
Tgt Ion:146 Resp: 37754
Ion Ratio Lower Upper
146 100
148 63.7 50.3 75.5
111 43.1 34.4 51.6

Manual Integrations
APPROVED

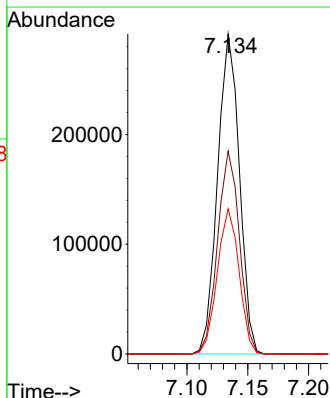
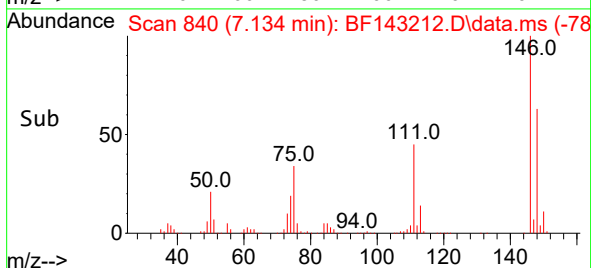
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

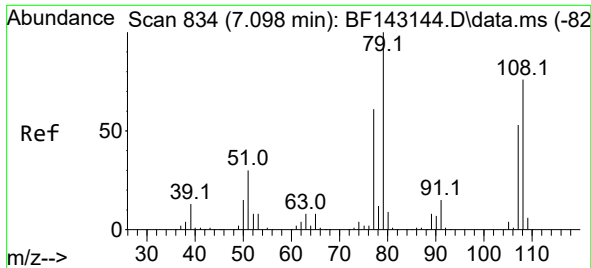


#14
1,2-Dichlorobenzene
Concen: 41.502 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31



Tgt Ion:146 Resp: 364259
Ion Ratio Lower Upper
146 100
148 63.4 50.7 76.1
111 45.4 36.6 54.8





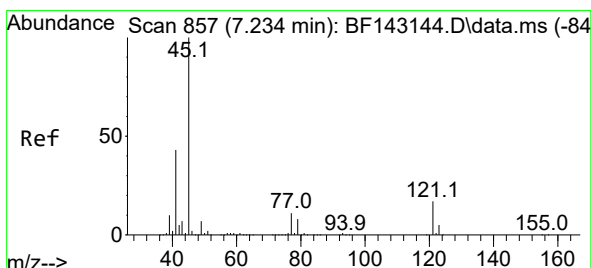
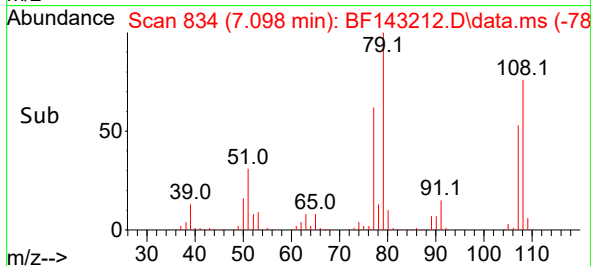
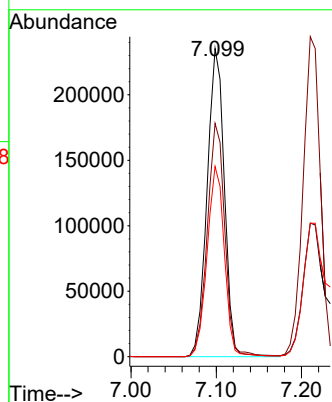
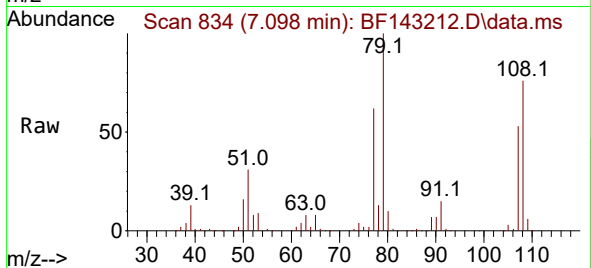
#15
Benzyl Alcohol
Concen: 42.914 ng
RT: 7.098 min Scan# 834
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

Instrument :
BNA_F
ClientSampleId :
PB168929BS

Tgt Ion: 79 Resp: 331900
Ion Ratio Lower Upper
79 100
108 75.7 61.1 91.7
77 61.7 48.9 73.3

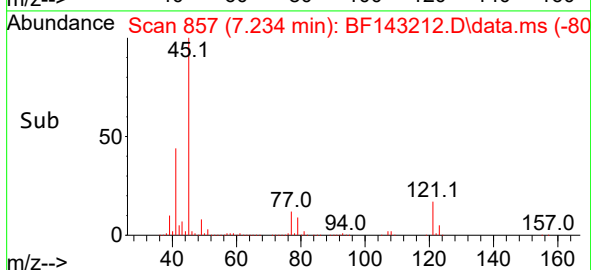
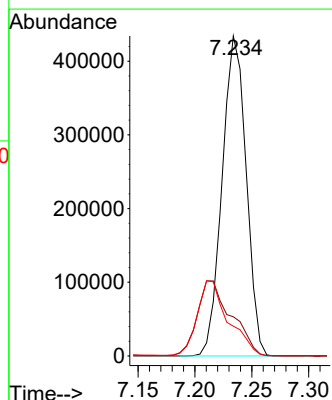
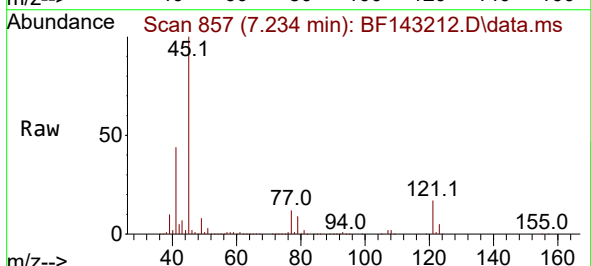
Manual Integrations
APPROVED

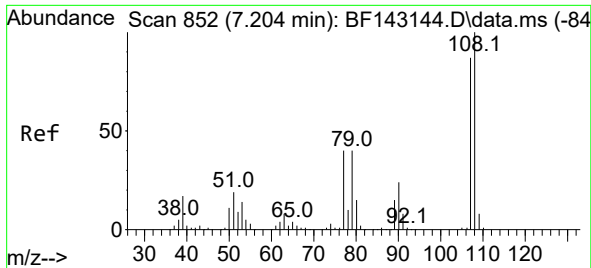
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 40.797 ng
RT: 7.234 min Scan# 857
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

Tgt Ion: 45 Resp: 639401
Ion Ratio Lower Upper
45 100
77 12.3 0.0 31.2
79 9.3 0.0 28.5





#17
2-Methylphenol
Concen: 42.113 ng
RT: 7.210 min Scan# 852
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

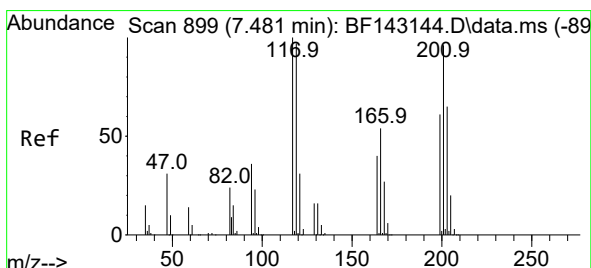
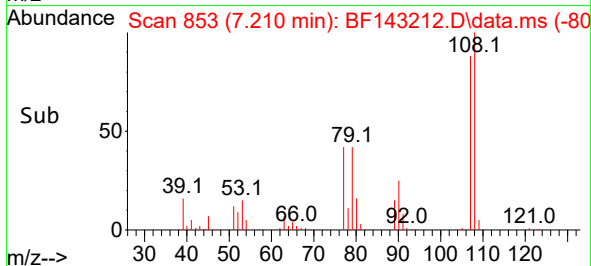
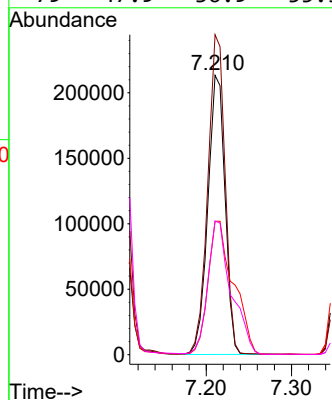
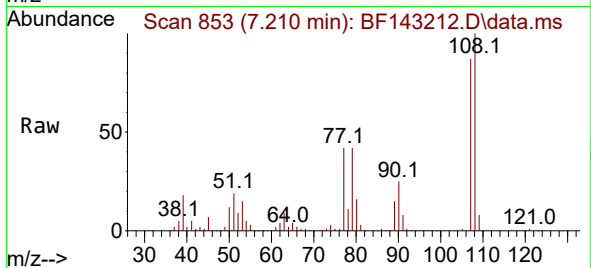
PB168929BS

Tgt Ion:107 Resp: 29868
Ion Ratio Lower Upper
107 100
108 114.5 91.8 137.6
77 47.8 37.0 55.6
79 47.9 36.9 55.3

Manual Integrations

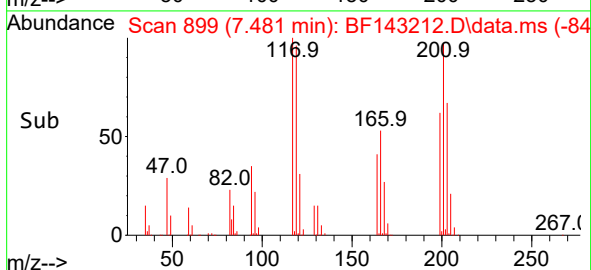
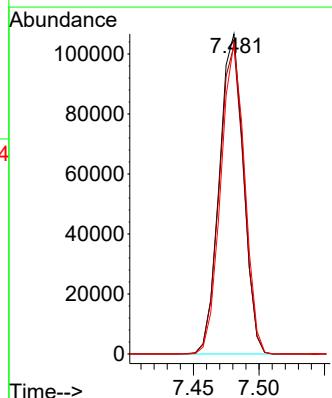
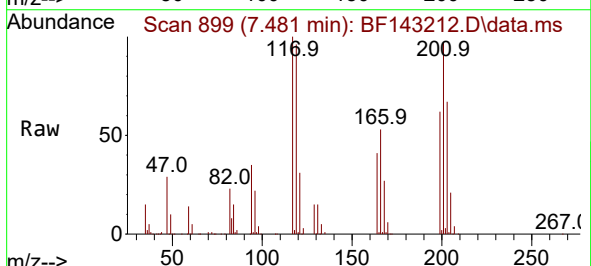
APPROVED

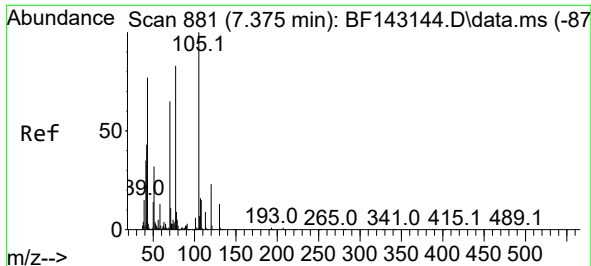
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#18
Hexachloroethane
Concen: 42.714 ng
RT: 7.481 min Scan# 899
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

Tgt Ion:117 Resp: 136455
Ion Ratio Lower Upper
117 100
119 96.4 77.8 116.8
201 97.2 77.0 115.4





#19
n-Nitroso-di-n-propylamine
Concen: 40.461 ng
RT: 7.369 min Scan# 881
Delta R.T. -0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

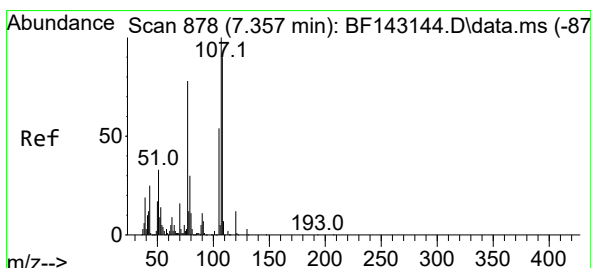
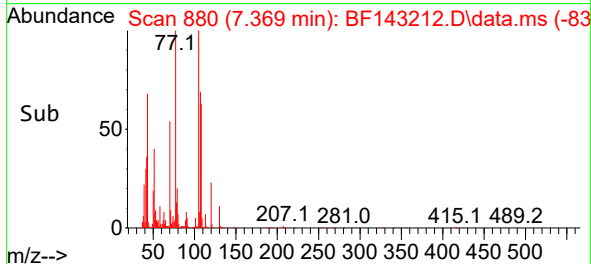
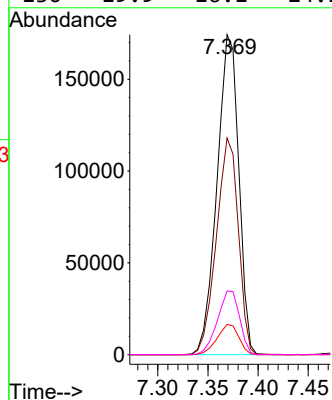
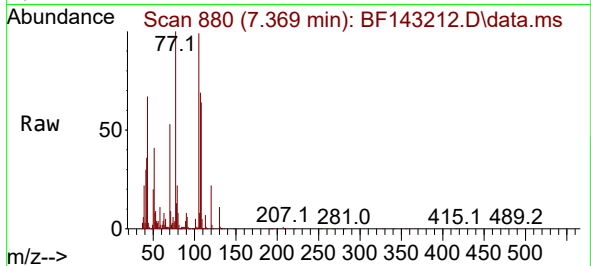
ClientSampleId :

PB168929BS

Tgt Ion: 70 Resp: 262930
Ion Ratio Lower Upper
70 100
42 67.7 52.5 78.7
101 9.5 7.6 11.4
130 19.9 16.1 24.1

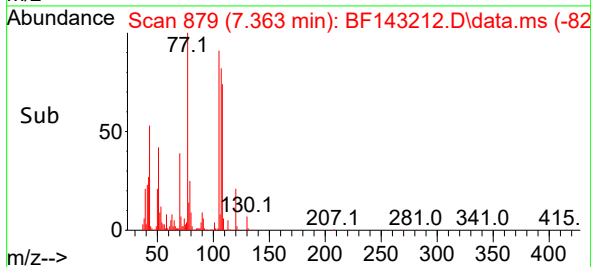
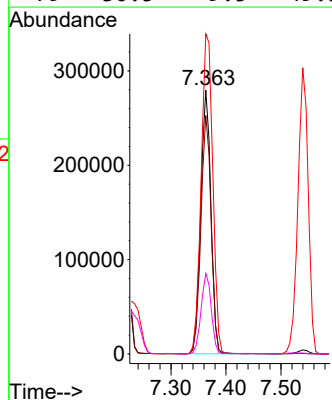
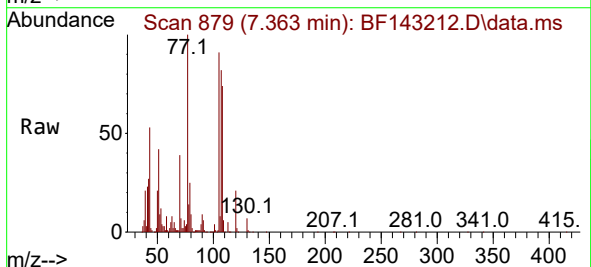
Manual Integrations
APPROVED

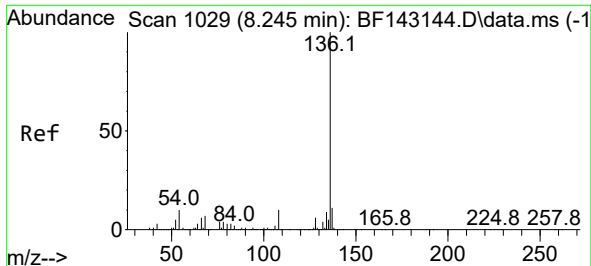
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#20
3+4-Methylphenols
Concen: 41.787 ng
RT: 7.363 min Scan# 879
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

Tgt Ion:107 Resp: 359582
Ion Ratio Lower Upper
107 100
108 90.4 70.0 110.0
77 121.4 57.8 97.8#
79 30.5 9.5 49.5





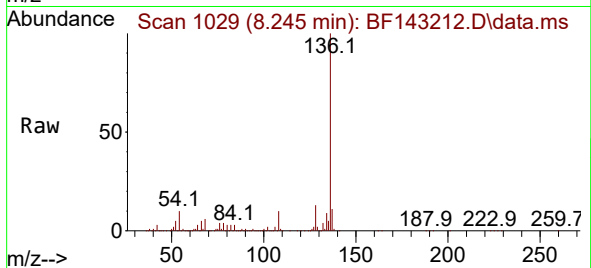
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.245 min Scan# 1029
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS



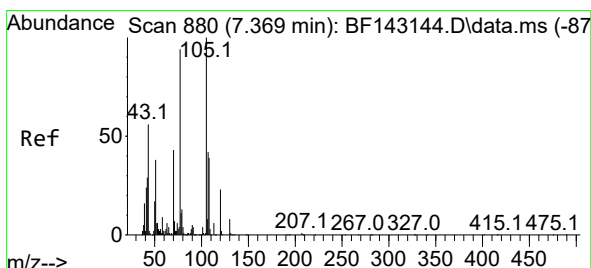
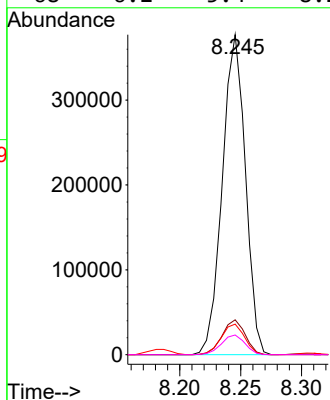
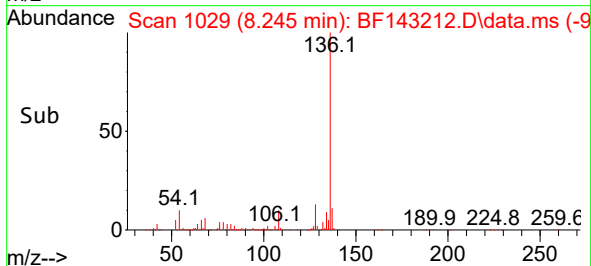
Tgt Ion:136 Resp: 497233
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 9.5 8.2 12.2
68 6.2 5.4 8.2

Manual Integrations

APPROVED

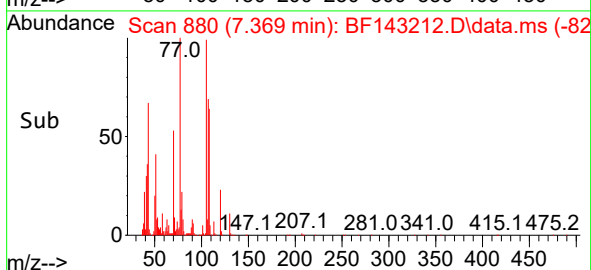
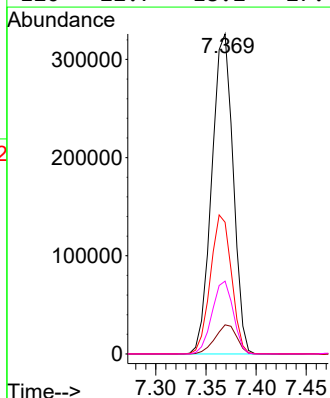
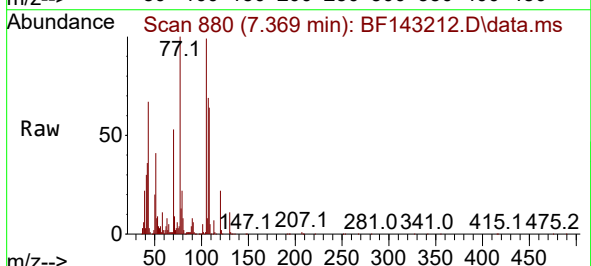
Reviewed By :Rahul Chavli 07/24/2025

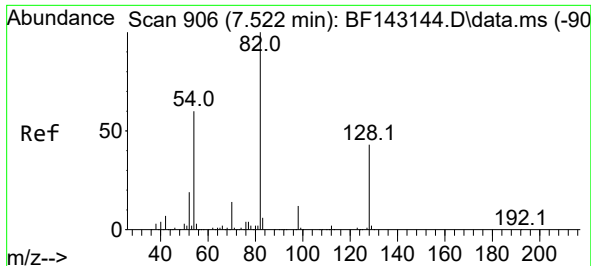
Supervised By :Jagrut Upadhyay 07/24/2025



#22
Acetophenone
Concen: 40.948 ng
RT: 7.369 min Scan# 880
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

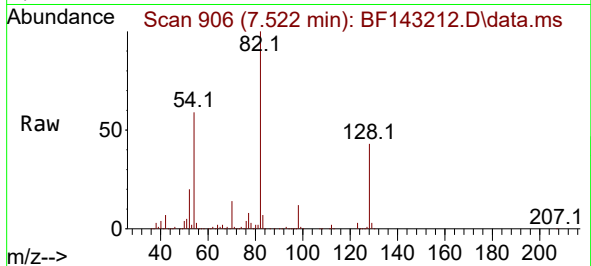
Tgt Ion:105 Resp: 482041
Ion Ratio Lower Upper
105 100
71 9.1 5.8 8.6#
51 41.1 30.2 45.2
120 22.7 18.2 27.4





#23
Nitrobenzene-d5
Concen: 77.891 ng
RT: 7.522 min Scan# 906
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

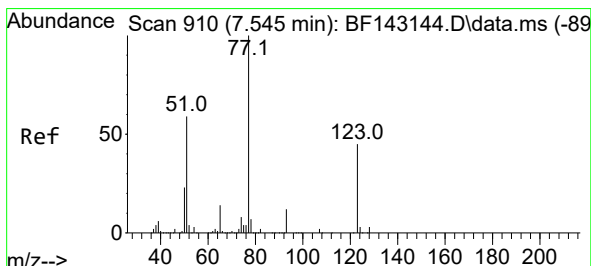
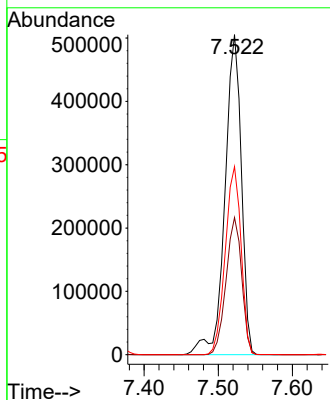
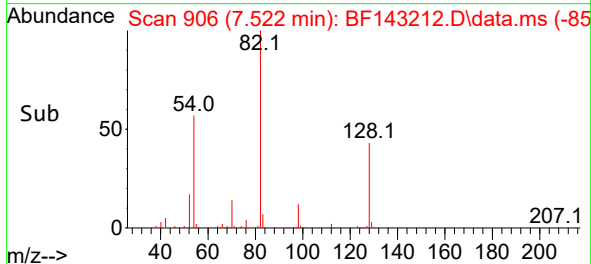
Instrument :
BNA_F
ClientSampleId :
PB168929BS



Tgt Ion: 82 Resp: 776970
Ion Ratio Lower Upper
82 100
128 42.8 33.6 50.4
54 58.7 47.1 70.7

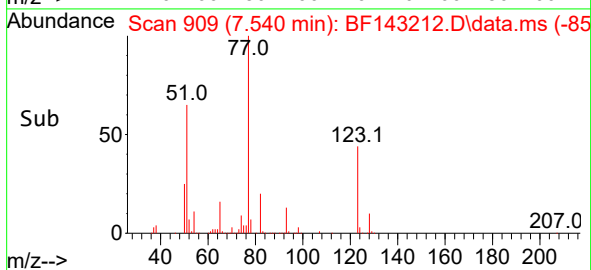
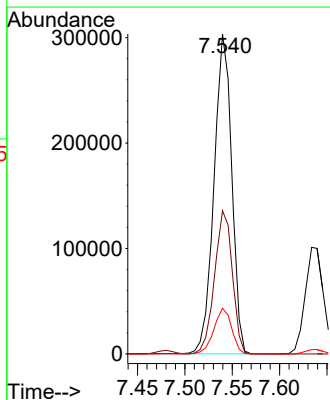
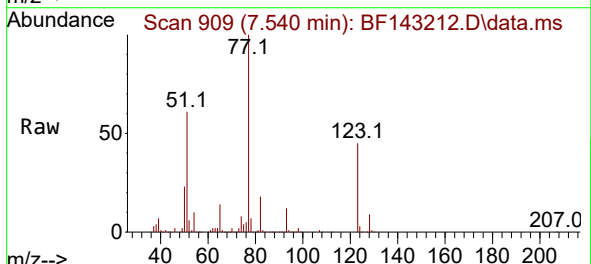
Manual Integrations
APPROVED

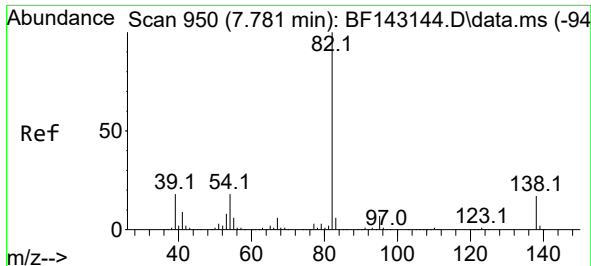
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#24
Nitrobenzene
Concen: 42.364 ng
RT: 7.540 min Scan# 909
Delta R.T. -0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

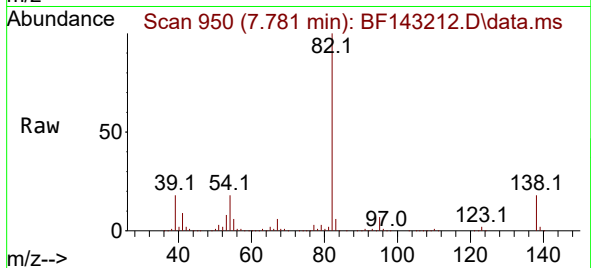
Tgt Ion: 77 Resp: 393984
Ion Ratio Lower Upper
77 100
123 44.8 36.1 54.1
65 14.3 11.4 17.2





#25
Isophorone
Concen: 41.954 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

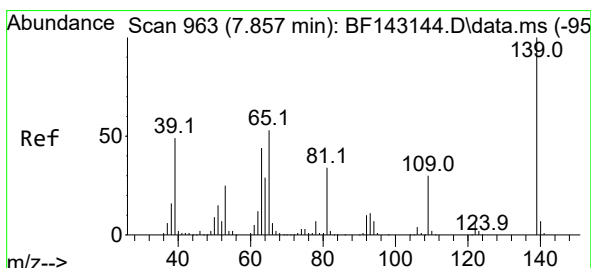
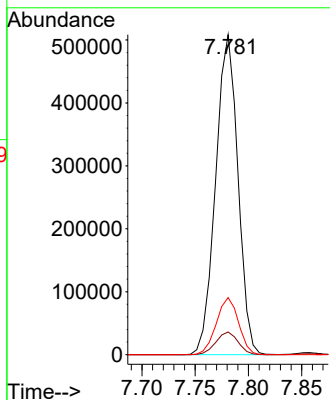
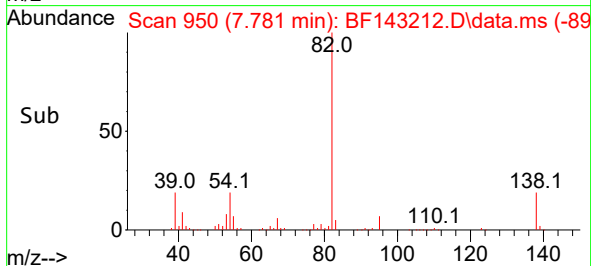
Instrument :
BNA_F
ClientSampleId :
PB168929BS



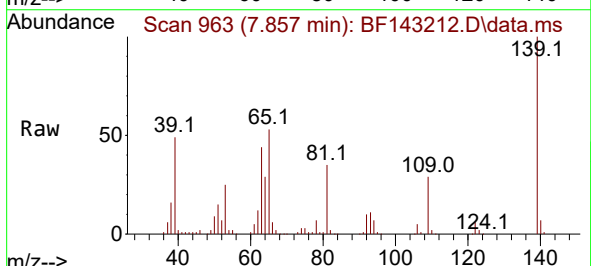
Tgt Ion: 82 Resp: 73878
Ion Ratio Lower Upper
82 100
95 7.1 5.5 8.3
138 17.9 13.8 20.8

Manual Integrations
APPROVED

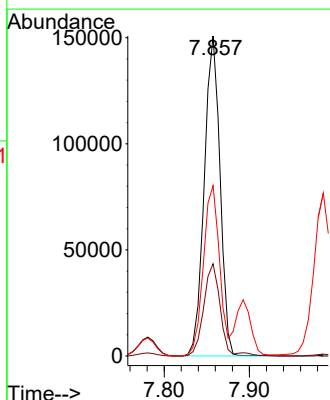
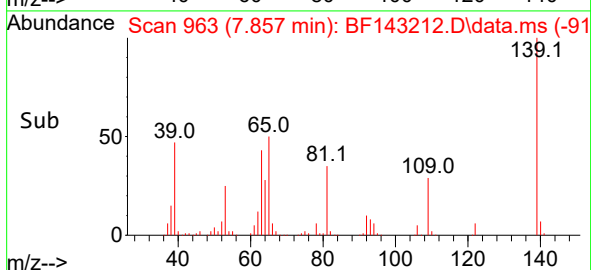
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

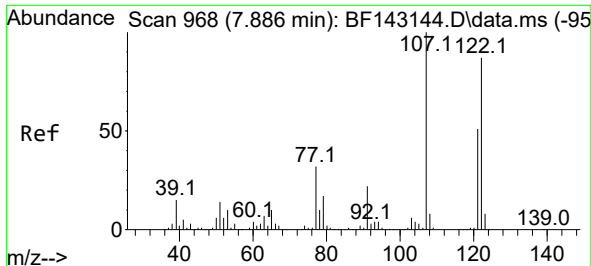


#26
2-Nitrophenol
Concen: 48.051 ng
RT: 7.857 min Scan# 963
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31



Tgt Ion:139 Resp: 193942
Ion Ratio Lower Upper
139 100
109 28.8 23.6 35.4
65 53.3 42.6 64.0





#27

2,4-Dimethylphenol

Concen: 41.592 ng

RT: 7.893 min Scan# 90

Delta R.T. 0.006 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS

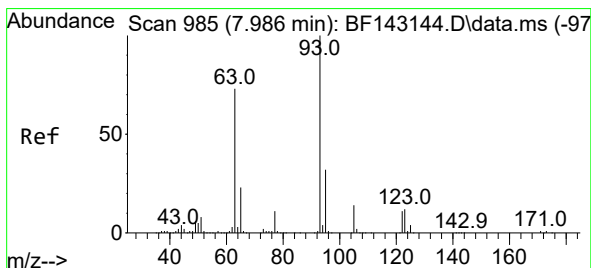
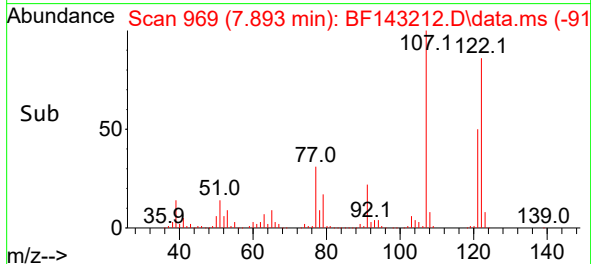
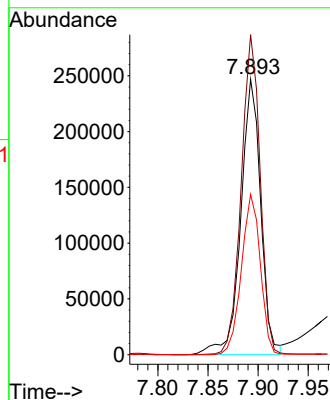
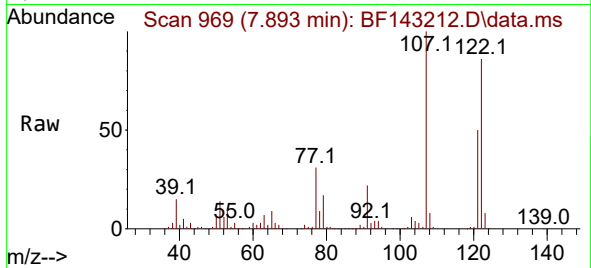
Tgt Ion:122 Resp: 34219
 Ion Ratio Lower Upper
 122 100
 107 116.1 91.8 137.6
 121 58.2 46.3 69.5

Manual Integrations

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Supervised By :Jagrut Upadhyay 07/24/2025



#28

bis(2-Chloroethoxy)methane

Concen: 41.668 ng

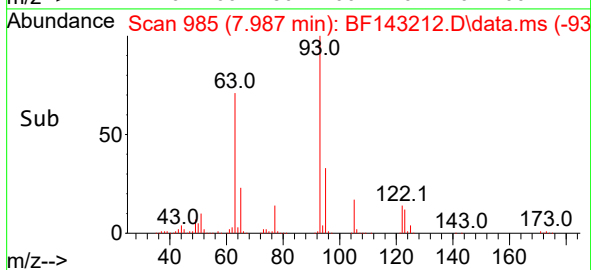
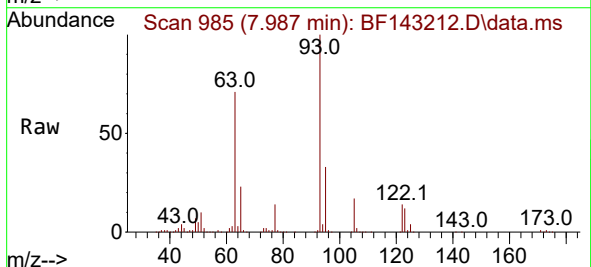
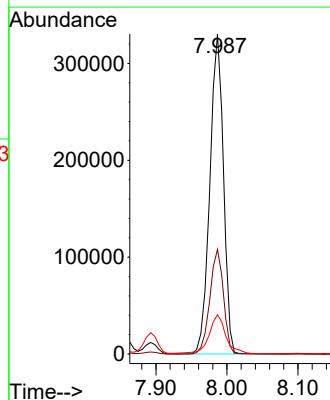
RT: 7.987 min Scan# 985

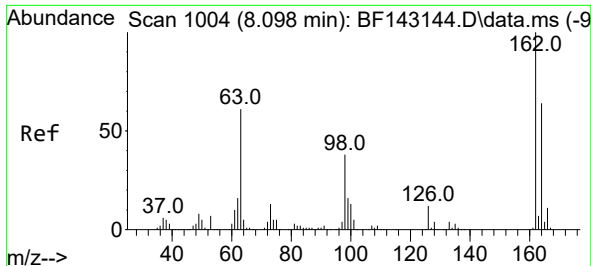
Delta R.T. 0.000 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Tgt Ion: 93 Resp: 439929
 Ion Ratio Lower Upper
 93 100
 95 32.7 25.8 38.6
 123 12.3 9.7 14.5





#29

2,4-Dichlorophenol

Concen: 42.636 ng

RT: 8.098 min Scan# 1004

Delta R.T. 0.000 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS

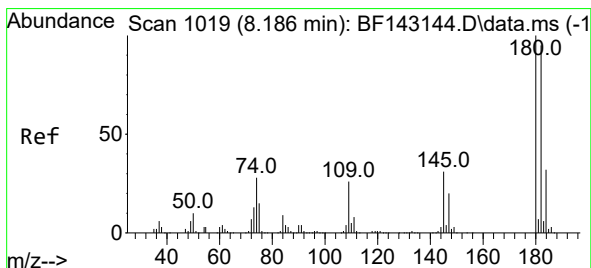
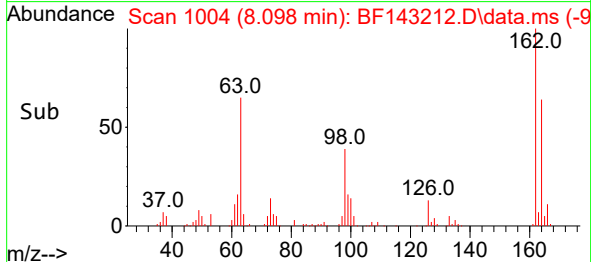
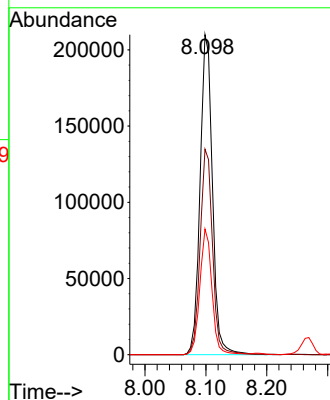
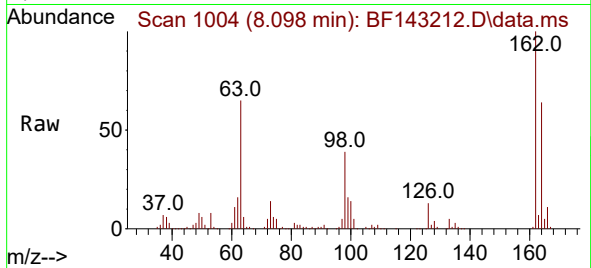
Tgt Ion:162 Resp: 295824
 Ion Ratio Lower Upper
 162 100
 164 64.2 44.2 84.2
 98 39.2 17.9 57.9

Manual Integrations

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Supervised By :Jagrut Upadhyay 07/24/2025



#30

1,2,4-Trichlorobenzene

Concen: 42.525 ng

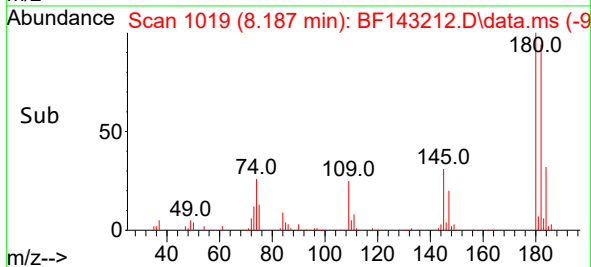
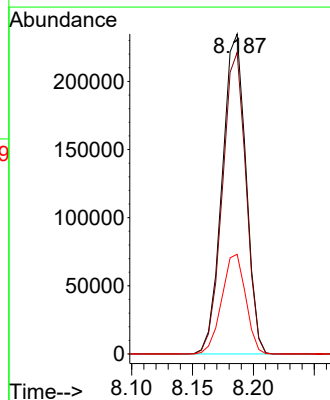
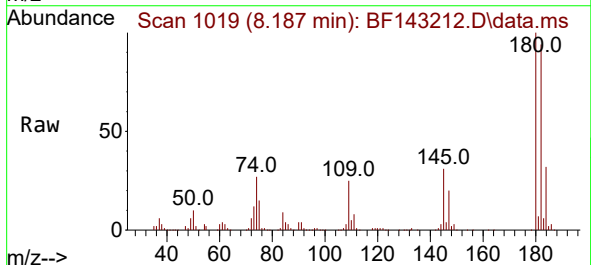
RT: 8.187 min Scan# 1019

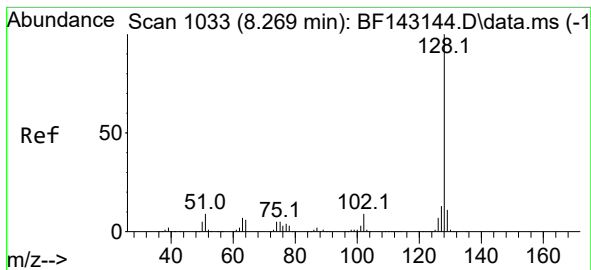
Delta R.T. 0.000 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

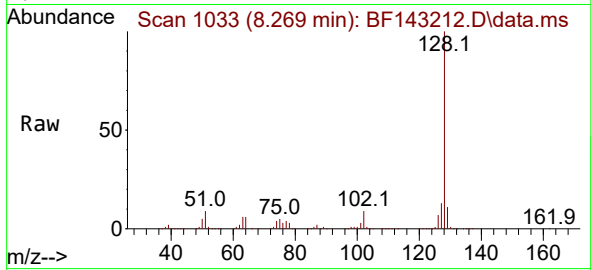
Tgt Ion:180 Resp: 318755
 Ion Ratio Lower Upper
 180 100
 182 94.2 76.2 114.2
 145 31.2 25.0 37.6





#31
Naphthalene
Concen: 41.625 ng
RT: 8.269 min Scan# 1033
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

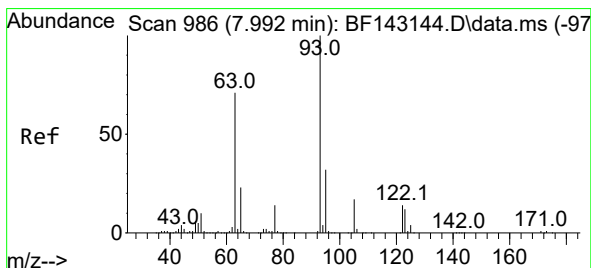
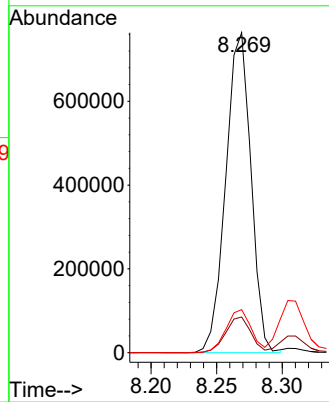
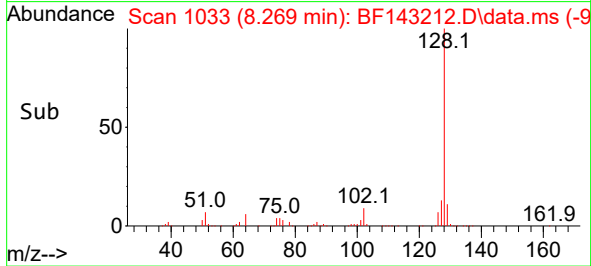
Instrument :
BNA_F
ClientSampleId :
PB168929BS



Tgt Ion:128 Resp: 1019308
Ion Ratio Lower Upper
128 100
129 11.1 9.0 13.4
127 13.4 10.6 16.0

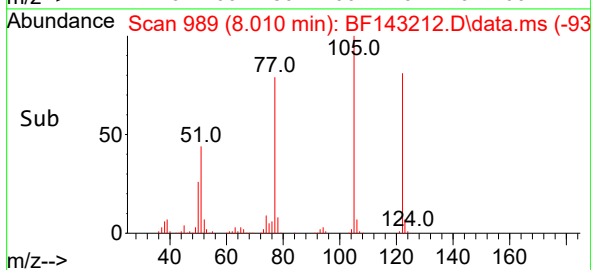
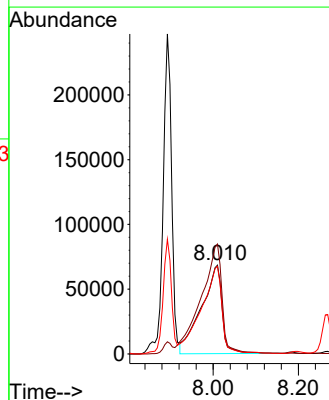
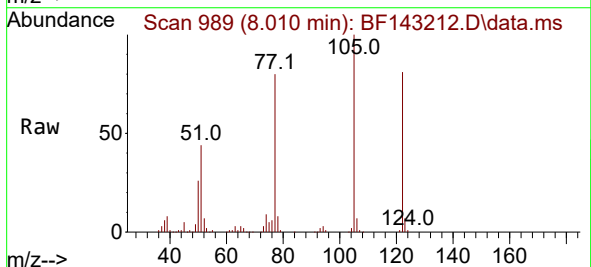
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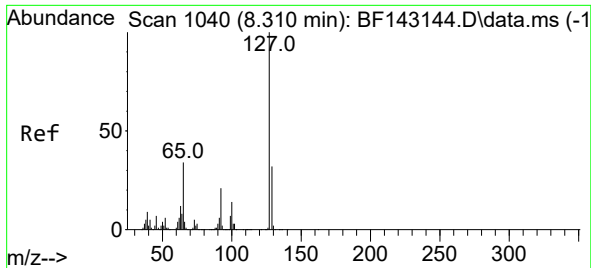
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#32
Benzoic acid
Concen: 49.730 ng
RT: 8.010 min Scan# 989
Delta R.T. 0.018 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

Tgt Ion:122 Resp: 231444
Ion Ratio Lower Upper
122 100
105 123.9 104.8 144.8
77 98.7 77.6 117.6





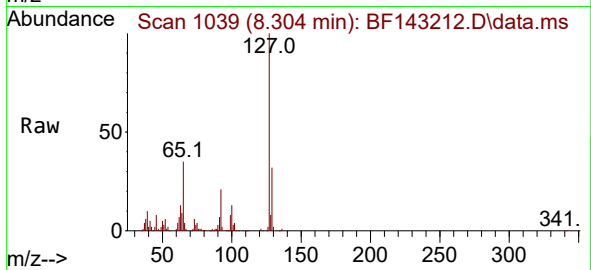
#33
4-Chloroaniline
Concen: 18.095 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS



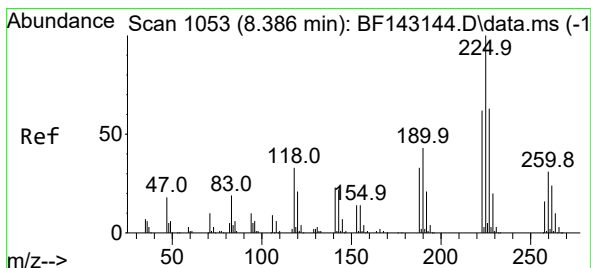
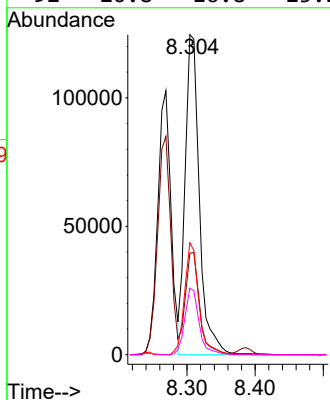
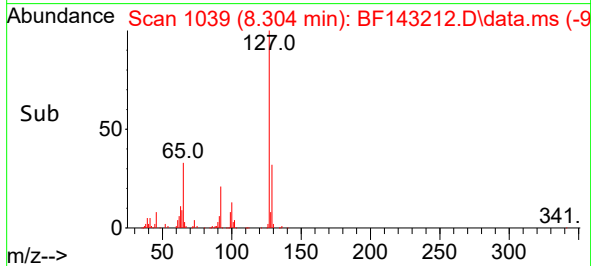
Tgt Ion:127 Resp: 180929
Ion Ratio Lower Upper
127 100
129 31.8 26.0 39.0
65 34.9 27.4 41.2
92 20.8 16.8 25.2

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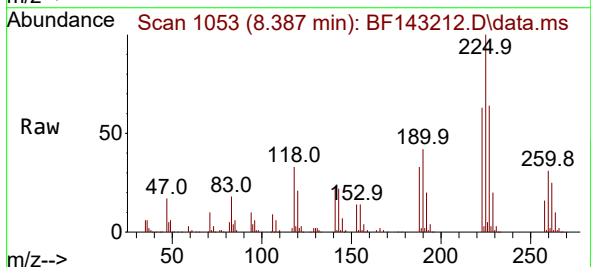
APPROVED

Reviewed By :Rahul Chavli 07/24/2025

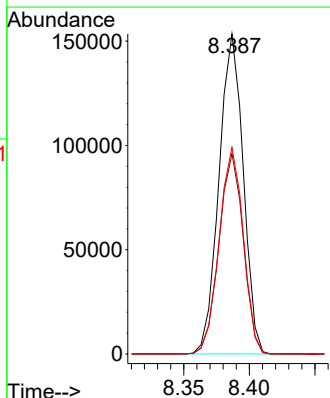
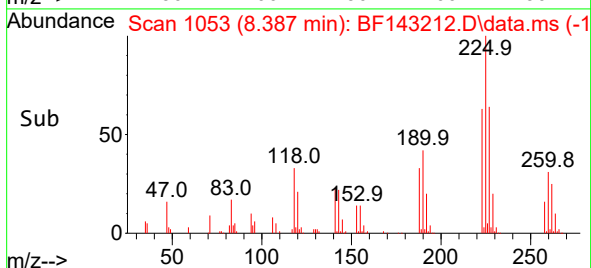
Supervised By :Jagrut Upadhyay 07/24/2025

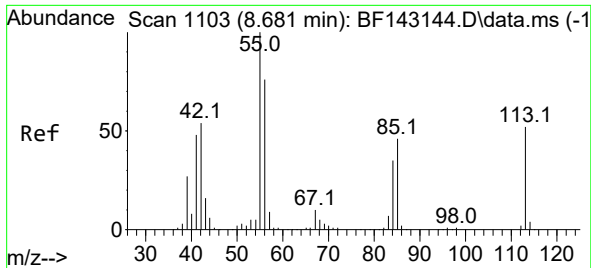


#34
Hexachlorobutadiene
Concen: 42.990 ng
RT: 8.387 min Scan# 1053
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31



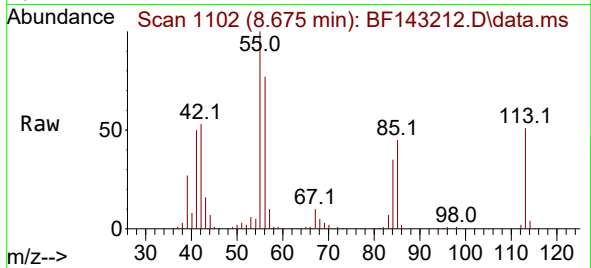
Tgt Ion:225 Resp: 196852
Ion Ratio Lower Upper
225 100
223 62.6 49.8 74.6
227 64.5 50.2 75.4





#35
Caprolactam
Concen: 49.186 ng m
RT: 8.675 min Scan# 1103
Delta R.T. -0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

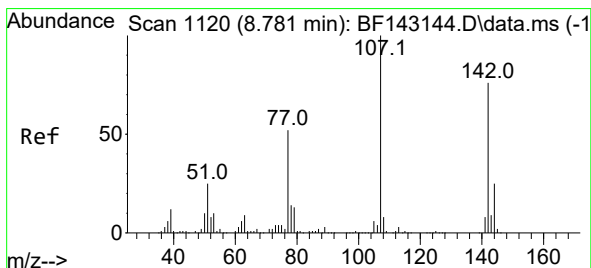
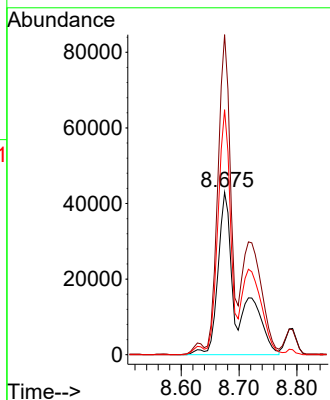
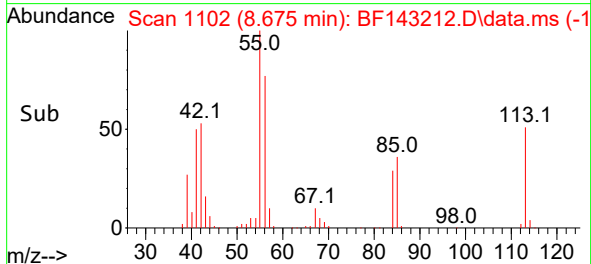
Instrument :
BNA_F
ClientSampleId :
PB168929BS



Tgt Ion:113 Resp: 103120
Ion Ratio Lower Upper
113 100
55 197.0 174.0 214.0
56 150.8 126.6 166.6

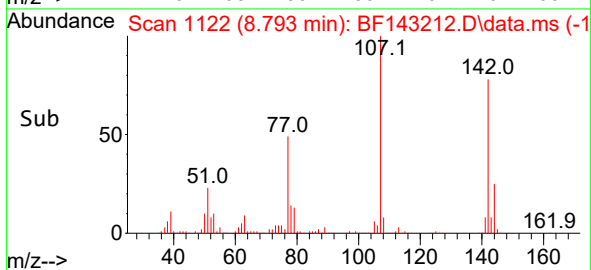
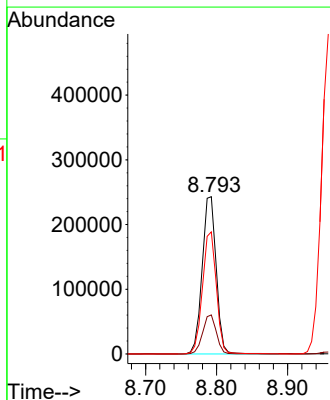
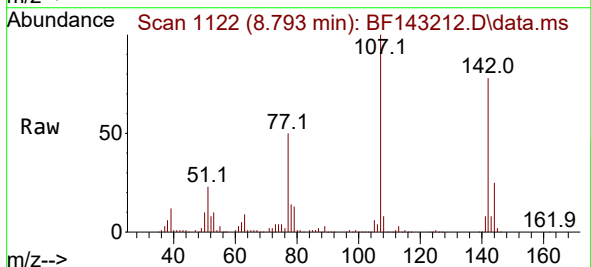
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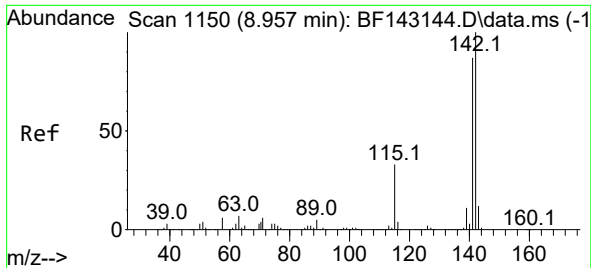
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#36
4-Chloro-3-methylphenol
Concen: 44.529 ng
RT: 8.793 min Scan# 1122
Delta R.T. 0.012 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

Tgt Ion:107 Resp: 335805
Ion Ratio Lower Upper
107 100
144 24.8 19.8 29.6
142 77.7 60.6 90.8





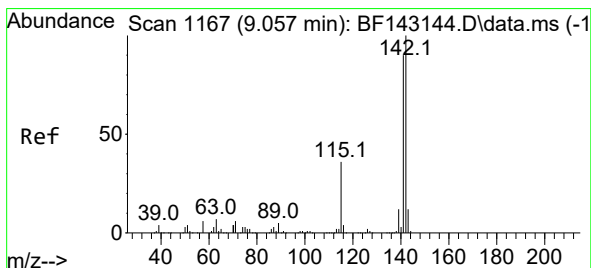
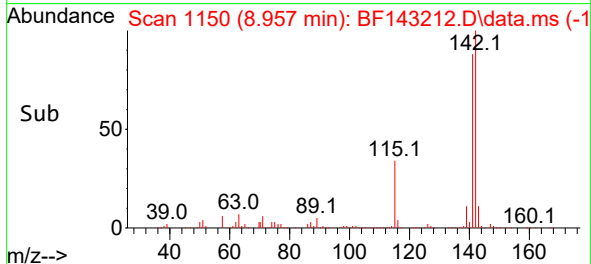
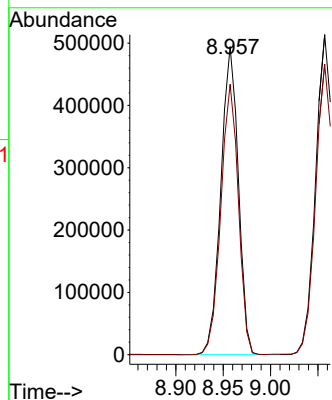
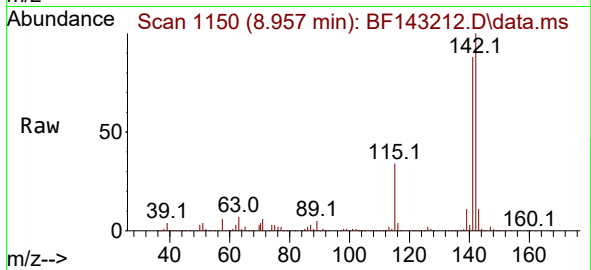
#37
2-Methylnaphthalene
Concen: 42.782 ng
RT: 8.957 min Scan# 1150
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

Instrument :
BNA_F
ClientSampleId :
PB168929BS

Tgt Ion:142 Resp: 637504
Ion Ratio Lower Upper
142 100
141 87.8 69.9 104.9

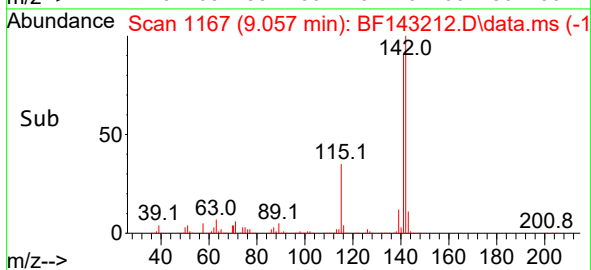
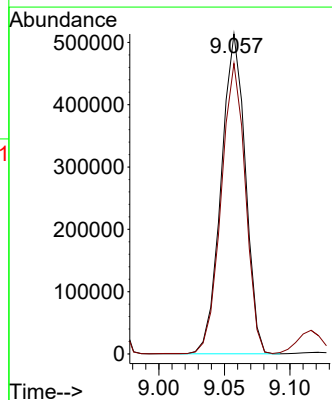
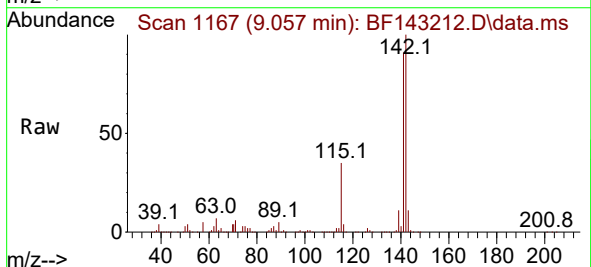
Manual Integrations
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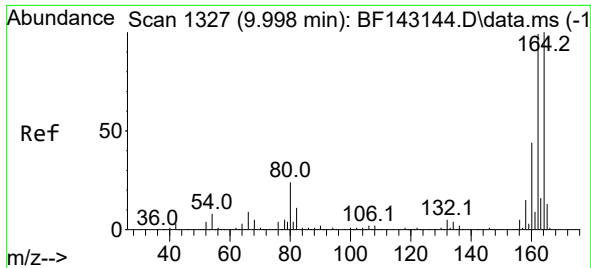
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#38
1-Methylnaphthalene
Concen: 42.971 ng
RT: 9.057 min Scan# 1167
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

Tgt Ion:142 Resp: 659370
Ion Ratio Lower Upper
142 100
141 90.8 72.3 108.5





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 10.004 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS

Tgt Ion:164 Resp: 26904

Ion Ratio Lower Upper

164 100

162 98.1 79.0 118.6

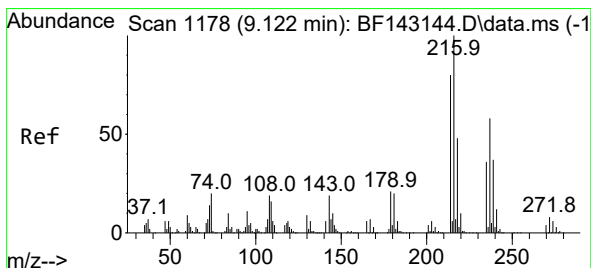
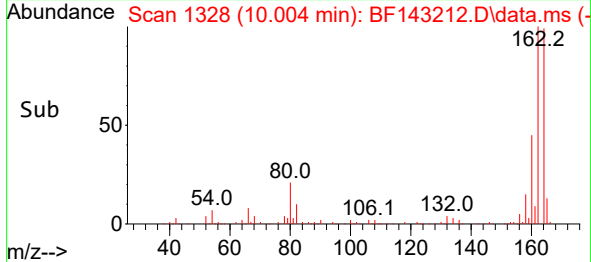
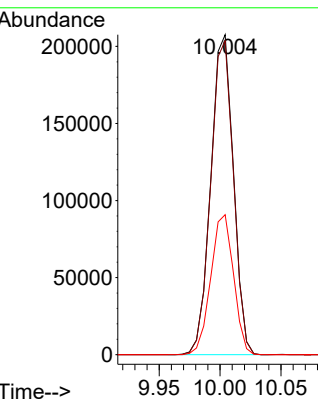
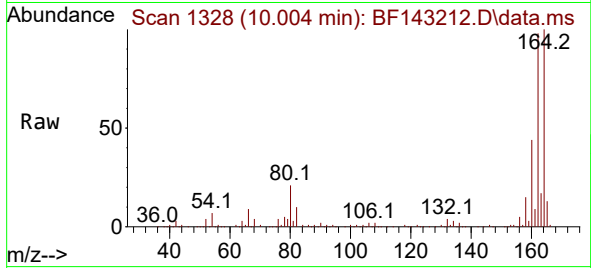
160 43.7 35.1 52.7

Manual Integrations

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#40

1,2,4,5-Tetrachlorobenzene

Concen: 40.025 ng

RT: 9.128 min Scan# 1179

Delta R.T. 0.006 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Tgt Ion:216 Resp: 310898

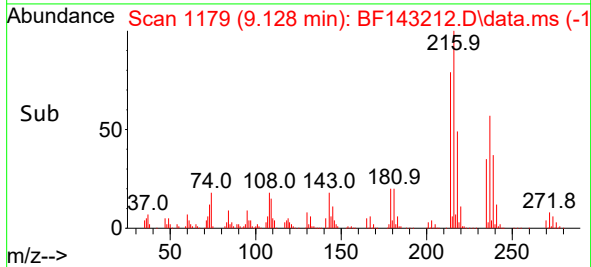
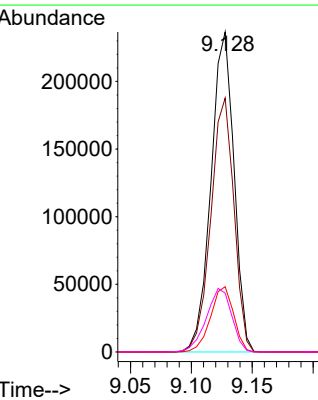
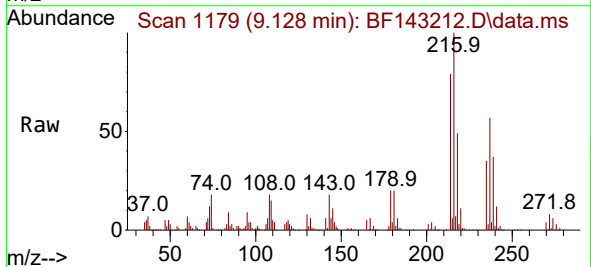
Ion Ratio Lower Upper

216 100

214 79.6 63.8 95.8

179 20.5 16.4 24.6

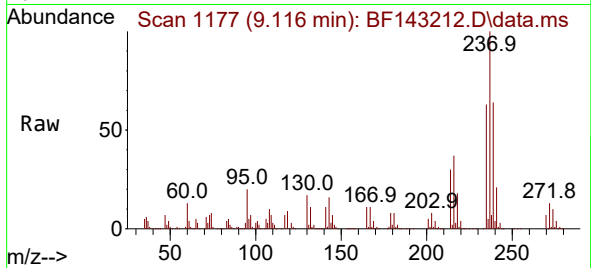
108 21.9 15.6 23.4





#41
Hexachlorocyclopentadiene
Concen: 85.897 ng
RT: 9.116 min Scan# 1177
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

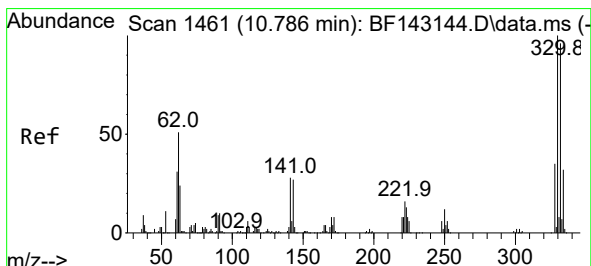
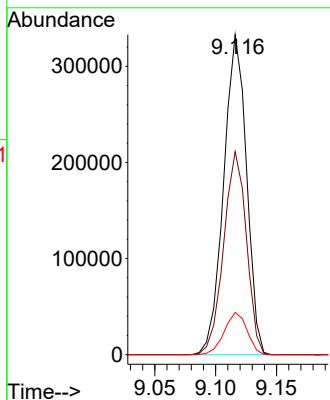
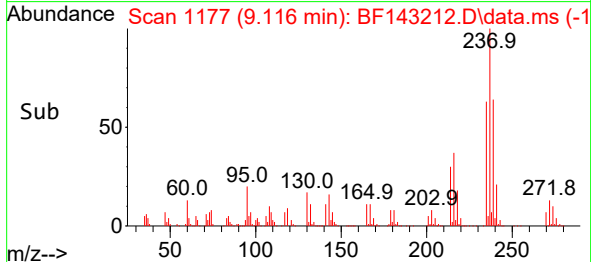
Instrument :
BNA_F
ClientSampleId :
PB168929BS



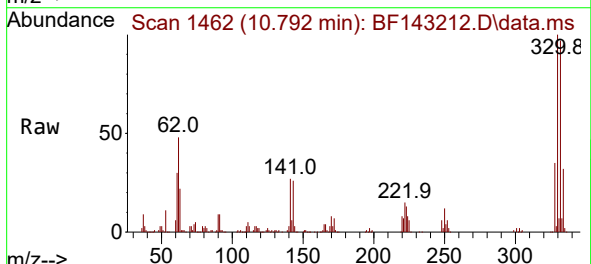
Tgt Ion: 237 Resp: 434132
Ion Ratio Lower Upper
237 100
235 63.5 43.0 83.0
272 13.2 0.0 33.3

Manual Integrations
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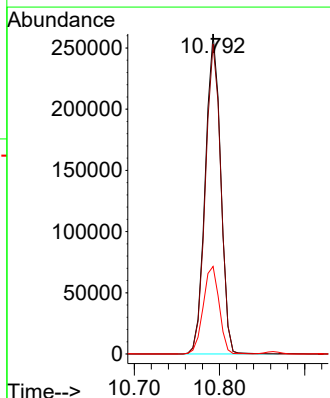
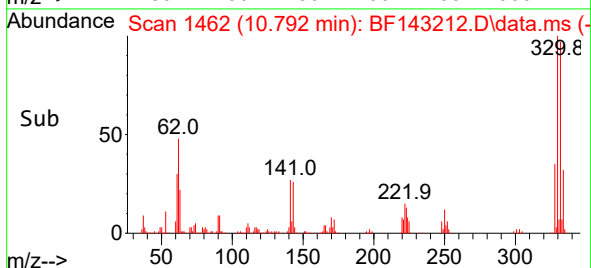
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

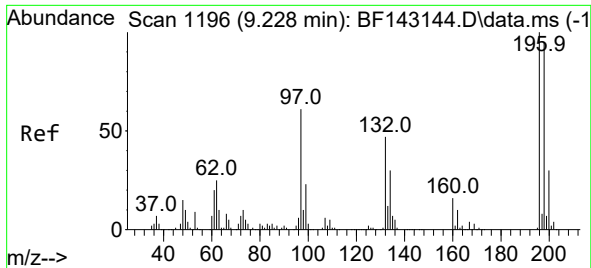


#42
2,4,6-Tribromophenol
Concen: 117.949 ng
RT: 10.792 min Scan# 1462
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31



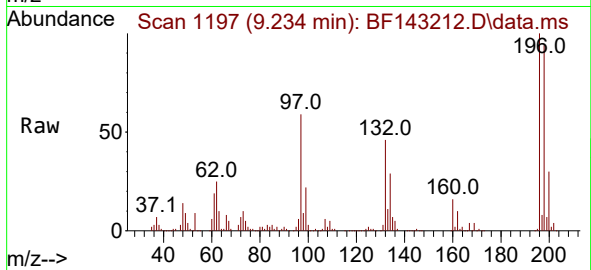
Tgt Ion: 330 Resp: 327822
Ion Ratio Lower Upper
330 100
332 96.8 76.7 115.1
141 28.3 23.3 34.9





#43
2,4,6-Trichlorophenol
Concen: 41.386 ng
RT: 9.234 min Scan# 1196
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

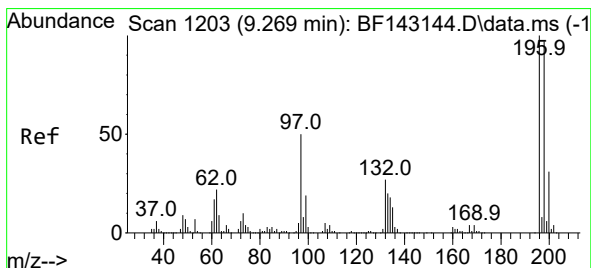
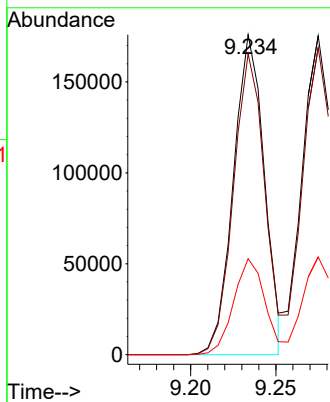
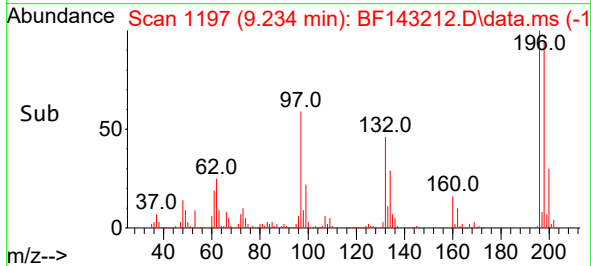
Instrument :
BNA_F
ClientSampleId :
PB168929BS



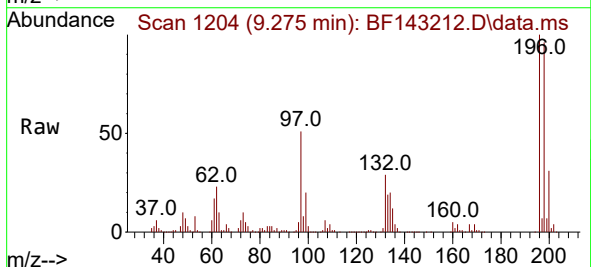
Tgt Ion:196 Resp: 22248
Ion Ratio Lower Upper
196 100
198 94.1 76.2 114.2
200 30.0 23.9 35.9

Manual Integrations
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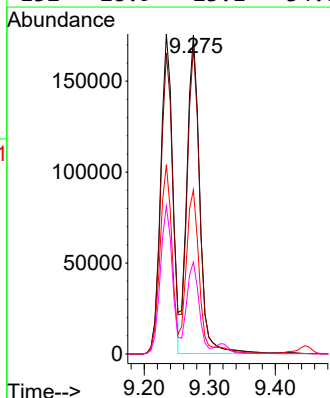
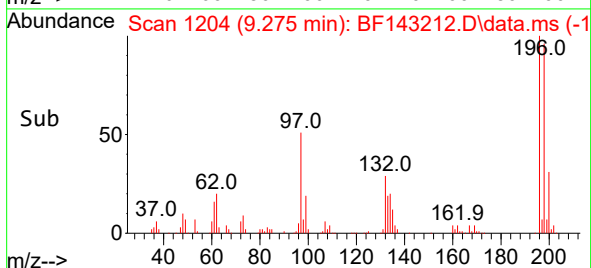
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

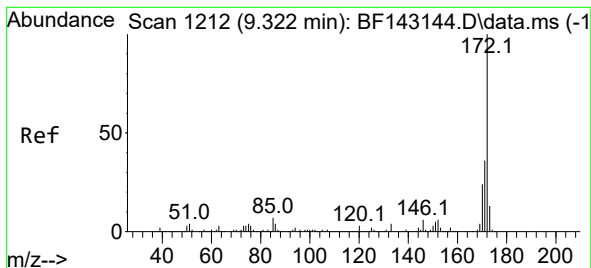


#44
2,4,5-Trichlorophenol
Concen: 43.991 ng
RT: 9.275 min Scan# 1204
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31



Tgt Ion:196 Resp: 236559
Ion Ratio Lower Upper
196 100
198 96.3 77.3 115.9
97 51.5 40.3 60.5
132 28.9 23.1 34.7





#45

2-Fluorobiphenyl

Concen: 71.040 ng

RT: 9.322 min Scan# 1212

Delta R.T. 0.000 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS

Tgt Ion:172 Resp: 1397519

Ion Ratio Lower Upper

172 100

171 35.3 28.6 42.8

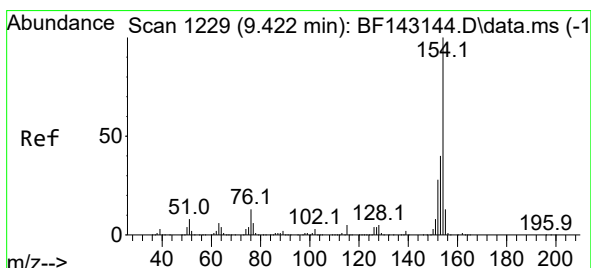
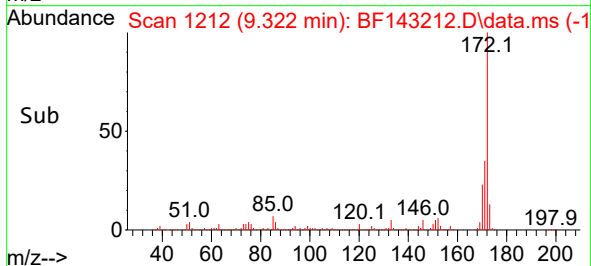
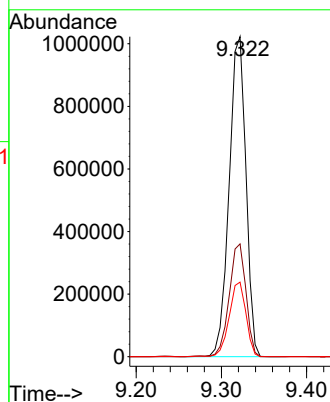
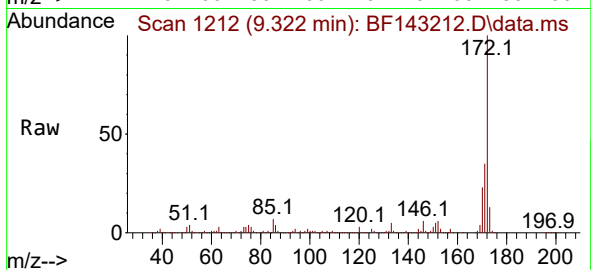
170 23.3 18.8 28.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#46

1,1'-Biphenyl

Concen: 41.488 ng

RT: 9.422 min Scan# 1229

Delta R.T. 0.000 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

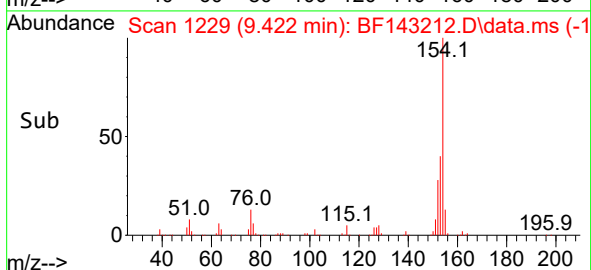
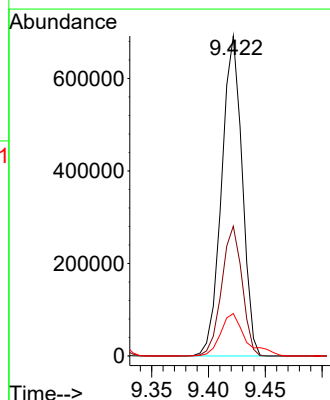
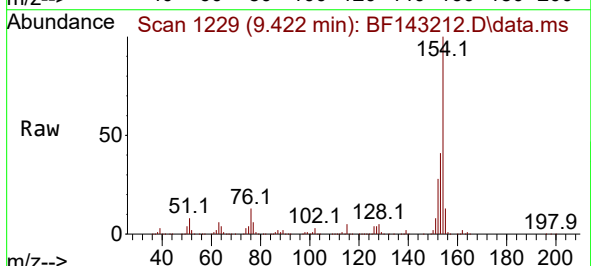
Tgt Ion:154 Resp: 870859

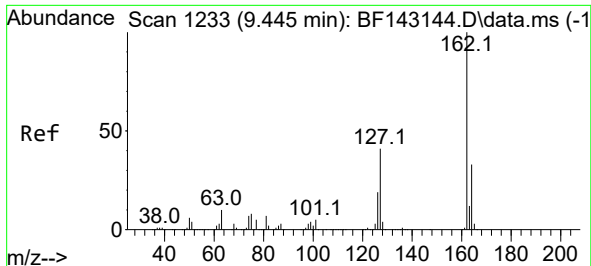
Ion Ratio Lower Upper

154 100

153 40.5 20.3 60.3

76 13.2 0.0 33.3





#47

2-Chloronaphthalene

Concen: 41.468 ng

RT: 9.445 min Scan# 1233

Delta R.T. 0.000 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS

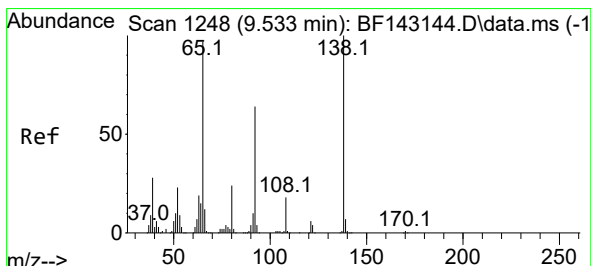
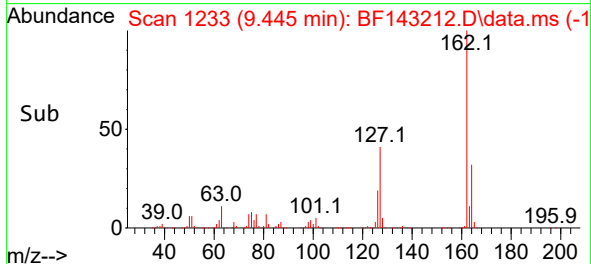
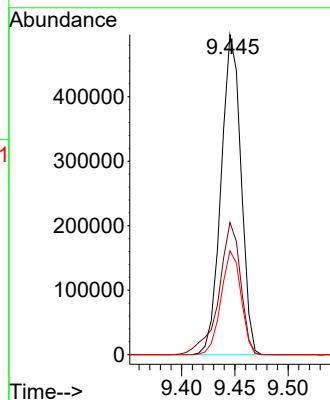
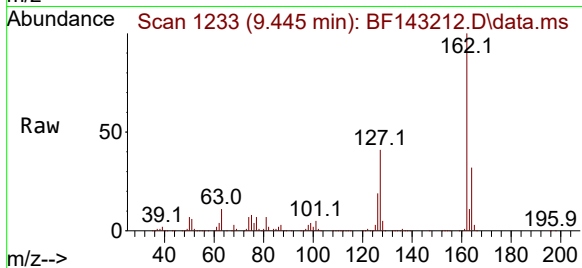
Tgt Ion:162 Resp: 64405
 Ion Ratio Lower Upper
 162 100
 127 41.3 33.4 50.2
 164 32.4 26.2 39.2

Manual Integrations

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Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#48

2-Nitroaniline

Concen: 45.611 ng

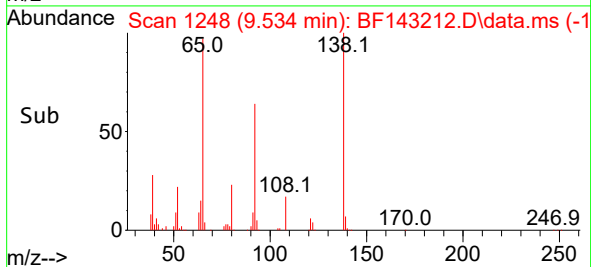
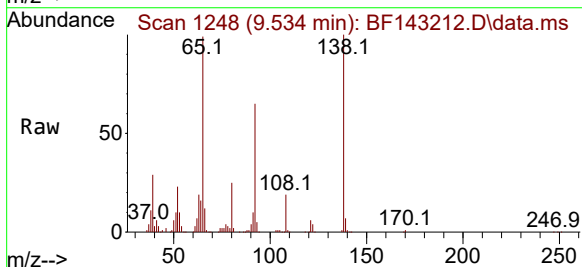
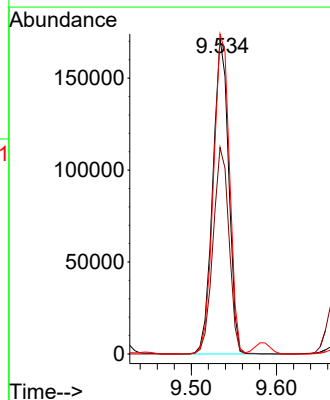
RT: 9.534 min Scan# 1248

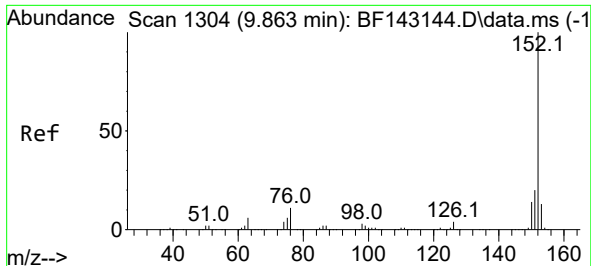
Delta R.T. 0.000 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Tgt Ion: 65 Resp: 222155
 Ion Ratio Lower Upper
 65 100
 92 65.5 52.4 78.6
 138 101.4 82.3 123.5





#49

Acenaphthylene

Concen: 42.174 ng

RT: 9.863 min Scan# 1

Delta R.T. 0.000 min

Lab File: BF143212.D

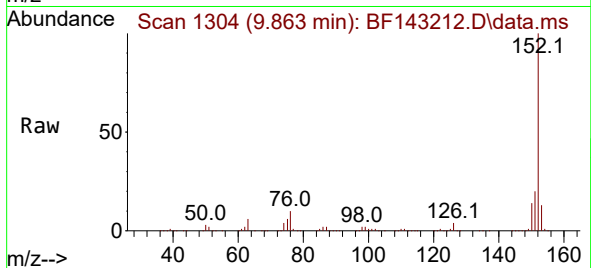
Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS



Tgt Ion:152 Resp: 1097730

Ion Ratio Lower Upper

152 100

151 19.9 16.2 24.2

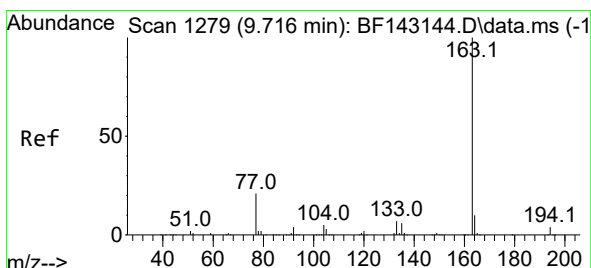
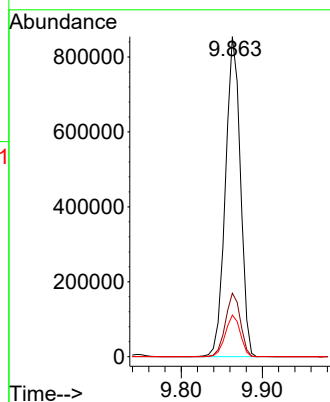
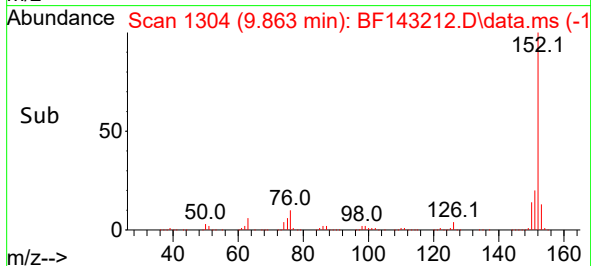
153 13.0 10.6 16.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#50

Dimethylphthalate

Concen: 44.055 ng

RT: 9.716 min Scan# 1279

Delta R.T. 0.000 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

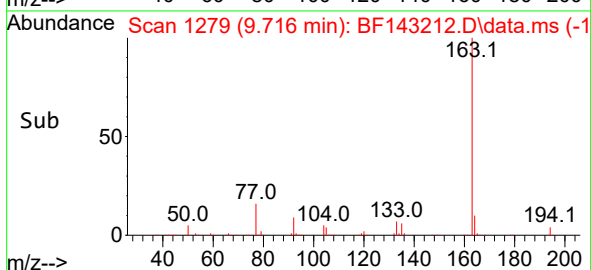
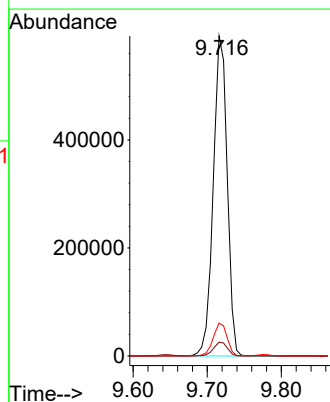
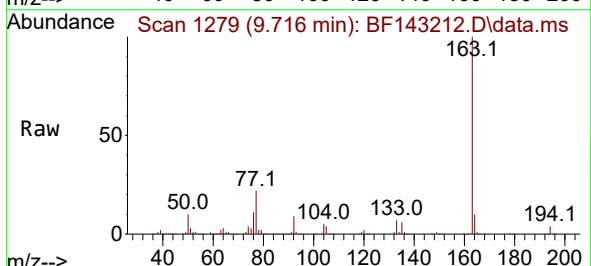
Tgt Ion:163 Resp: 772585

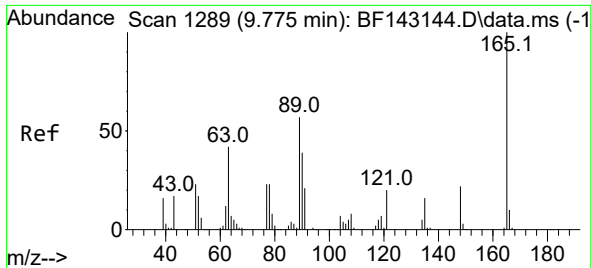
Ion Ratio Lower Upper

163 100

194 4.3 3.4 5.2

164 10.3 8.3 12.5





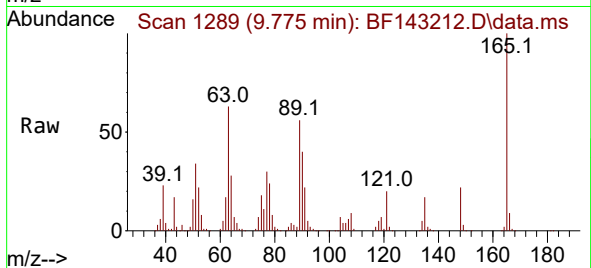
#51
2,6-Dinitrotoluene
Concen: 47.813 ng
RT: 9.775 min Scan# 1289
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS



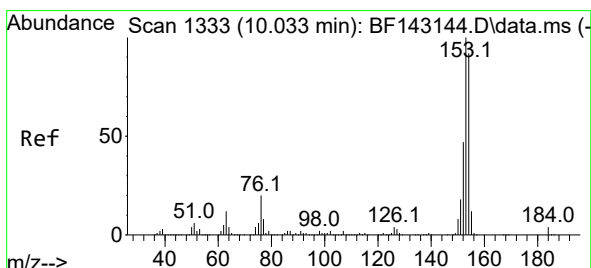
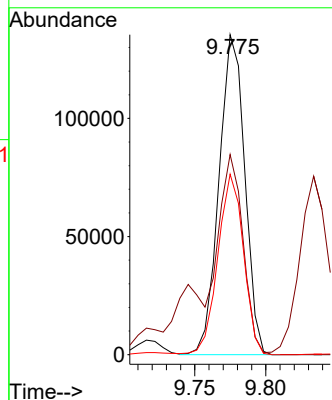
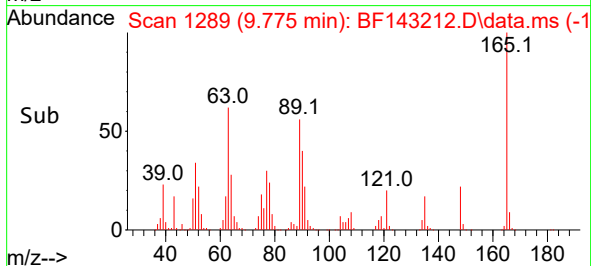
Tgt Ion:165 Resp: 170577
Ion Ratio Lower Upper
165 100
63 62.6 49.4 74.2
89 56.4 46.2 69.2

Manual Integrations

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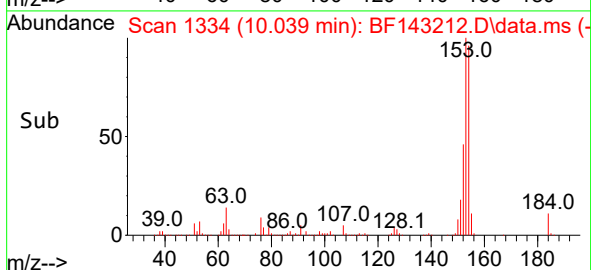
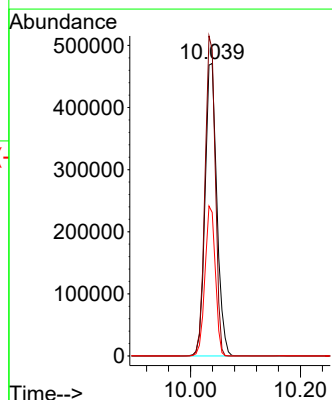
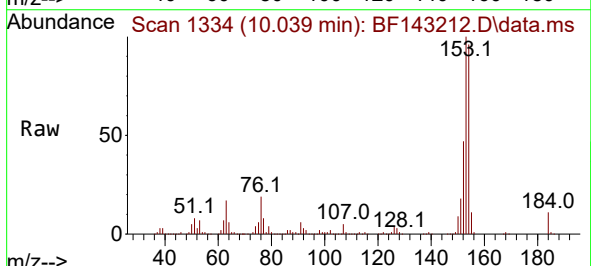
Reviewed By :Rahul Chavli 07/24/2025

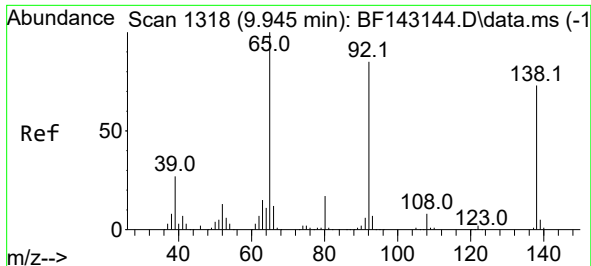
Supervised By :Jagrut Upadhyay 07/24/2025



#52
Acenaphthene
Concen: 45.734 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

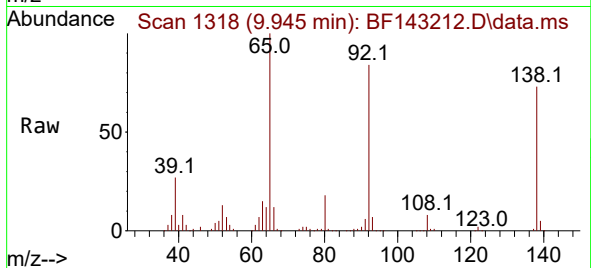
Tgt Ion:154 Resp: 703577
Ion Ratio Lower Upper
154 100
153 104.7 86.6 129.8
152 49.1 40.4 60.6





#53
3-Nitroaniline
Concen: 30.278 ng
RT: 9.945 min Scan# 1318
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

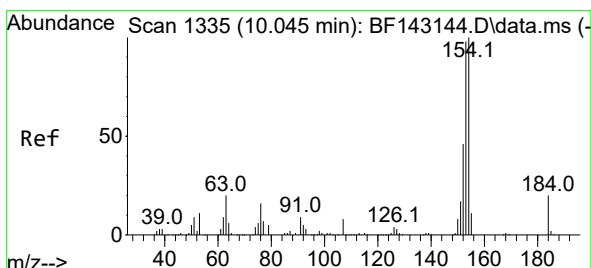
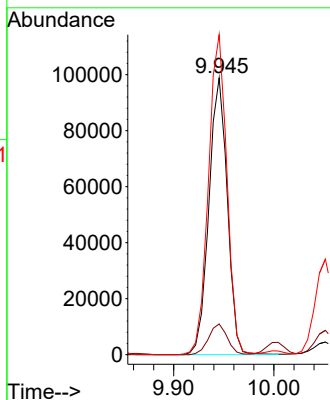
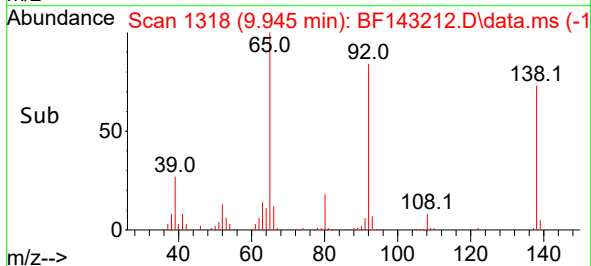
Instrument :
BNA_F
ClientSampleId :
PB168929BS



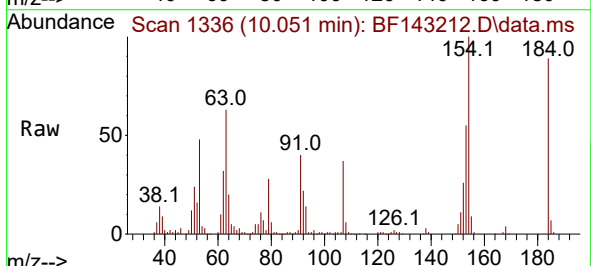
Tgt Ion:138 Resp: 126340
Ion Ratio Lower Upper
138 100
108 11.1 9.0 13.6
92 115.6 93.0 139.4

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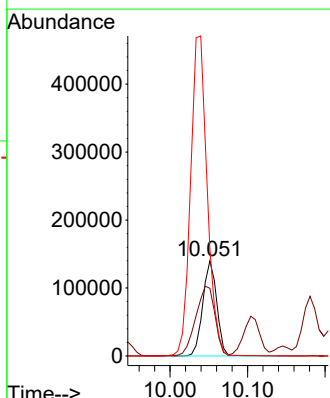
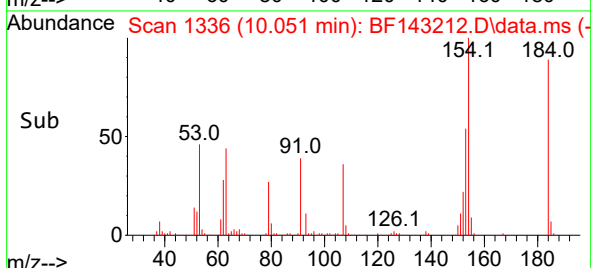
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

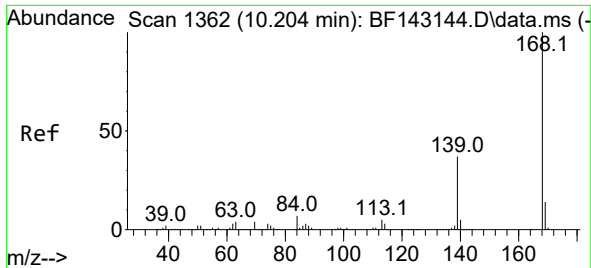


#54
2,4-Dinitrophenol
Concen: 106.394 ng
RT: 10.051 min Scan# 1336
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31



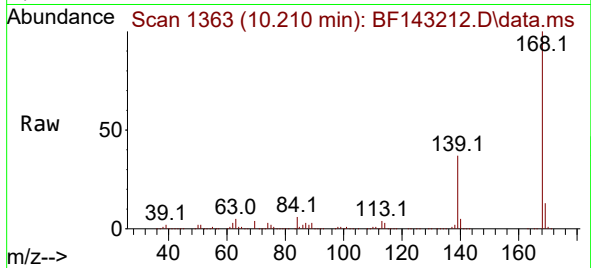
Tgt Ion:184 Resp: 175905
Ion Ratio Lower Upper
184 100
63 71.2 81.8 122.6#
154 112.9 412.2 618.4#





#55
Dibenzofuran
Concen: 41.458 ng
RT: 10.210 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

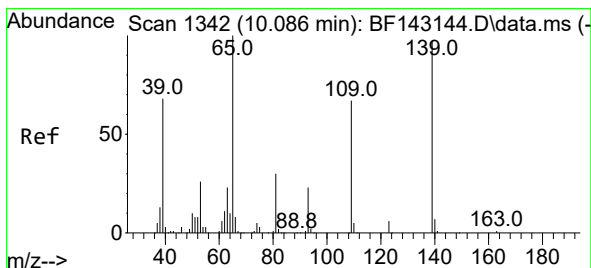
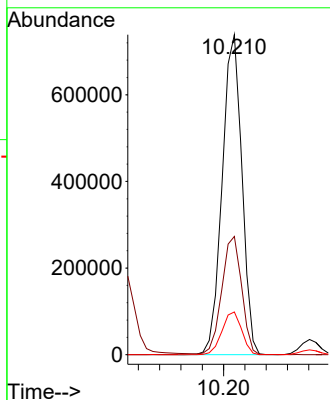
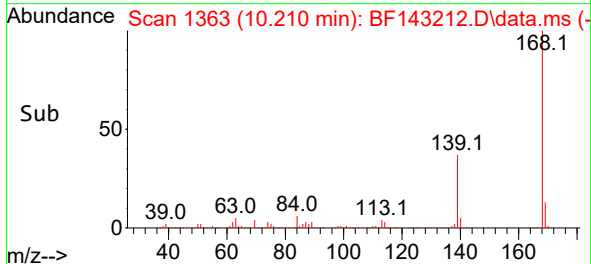
Instrument :
BNA_F
ClientSampleId :
PB168929BS



Tgt Ion:168 Resp: 946920
Ion Ratio Lower Upper
168 100
139 37.0 29.5 44.3
169 13.4 10.9 16.3

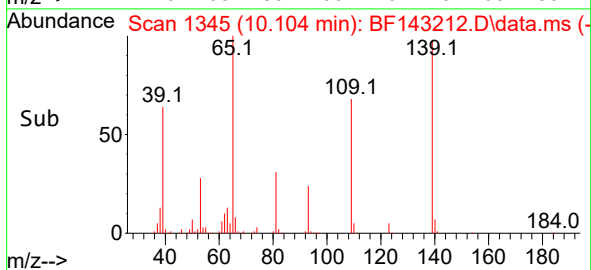
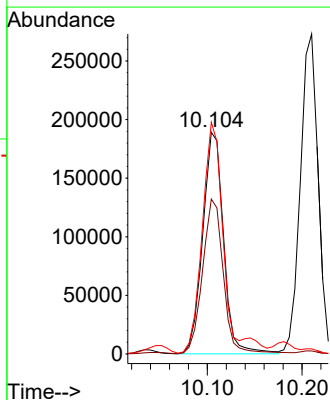
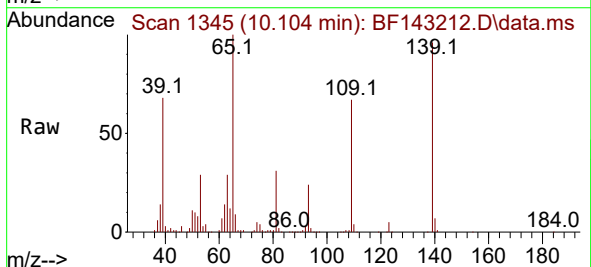
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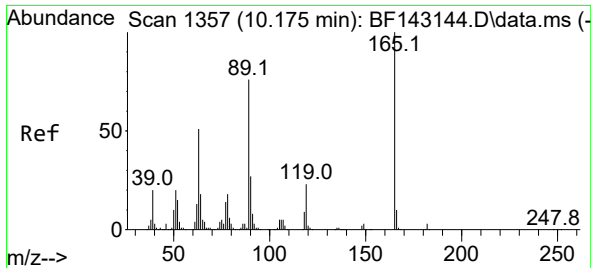
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#56
4-Nitrophenol
Concen: 92.622 ng
RT: 10.104 min Scan# 1345
Delta R.T. 0.018 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

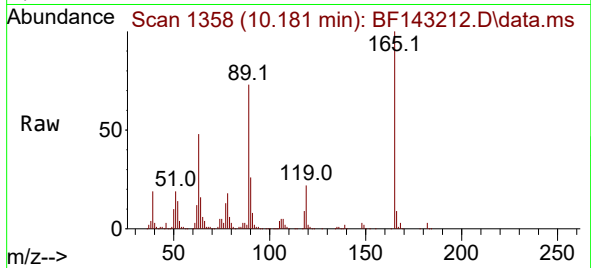
Tgt Ion:139 Resp: 288611
Ion Ratio Lower Upper
139 100
109 69.8 48.5 88.5
65 104.5 83.4 123.4





#57
2,4-Dinitrotoluene
Concen: 51.396 ng
RT: 10.181 min Scan# 1358
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

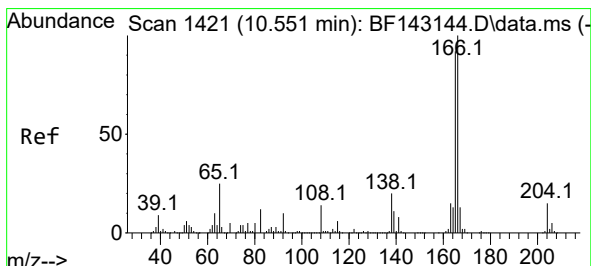
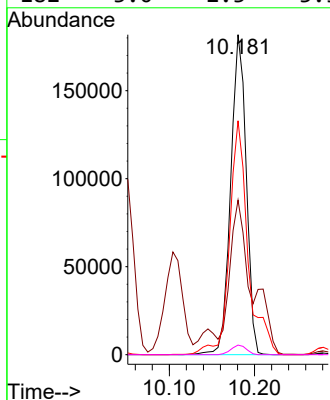
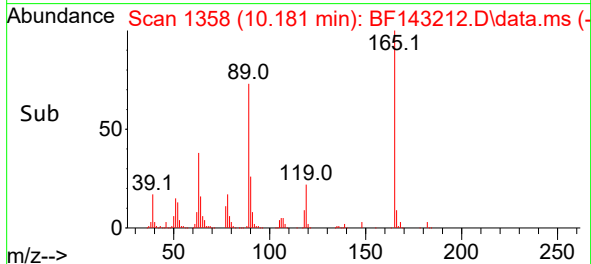
Instrument :
BNA_F
ClientSampleId :
PB168929BS



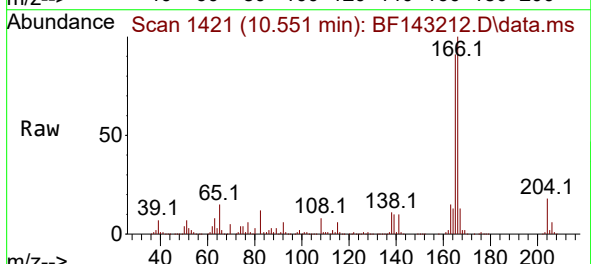
Tgt Ion:165 Resp: 230038
Ion Ratio Lower Upper
165 100
63 48.3 41.0 61.4
89 73.1 61.1 91.7
182 3.0 2.3 3.5

Manual Integrations
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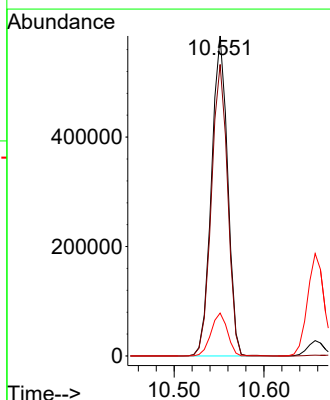
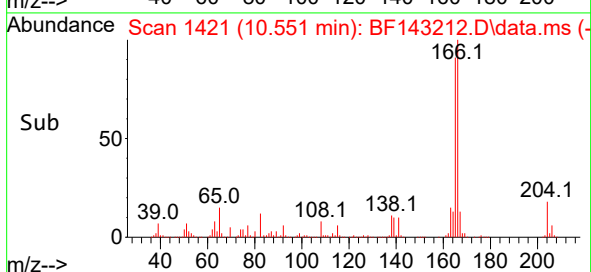
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

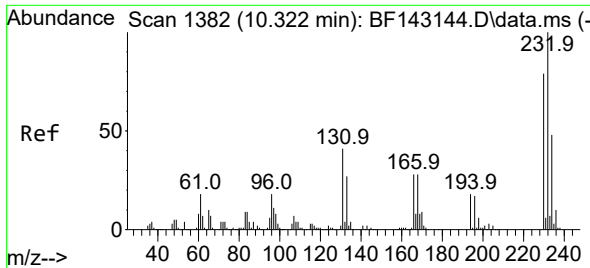


#58
Fluorene
Concen: 42.663 ng
RT: 10.551 min Scan# 1421
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31



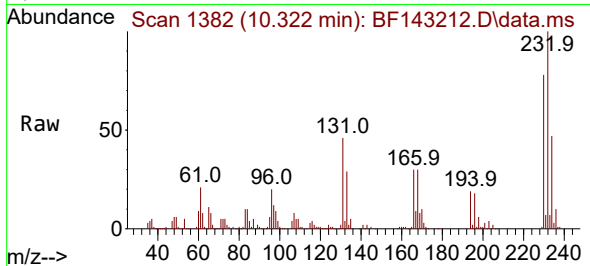
Tgt Ion:166 Resp: 731345
Ion Ratio Lower Upper
166 100
165 91.1 73.7 110.5
167 13.4 10.6 16.0





#59
2,3,4,6-Tetrachlorophenol
Concen: 41.271 ng
RT: 10.322 min Scan# 1382
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

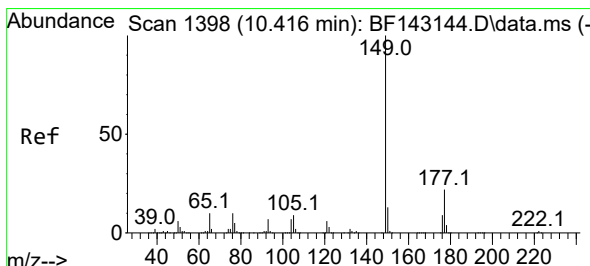
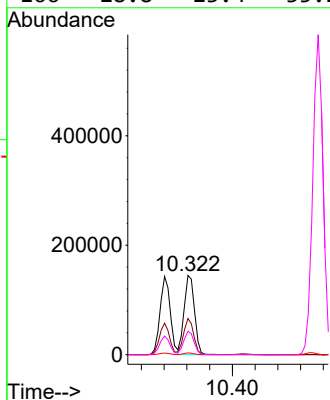
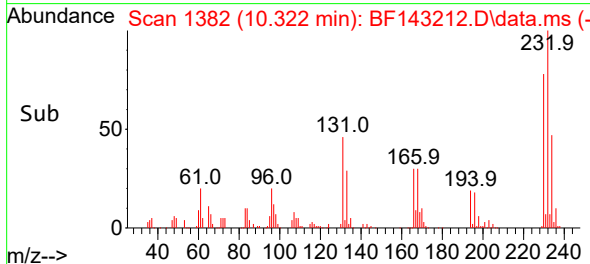
Instrument :
BNA_F
ClientSampleId :
PB168929BS



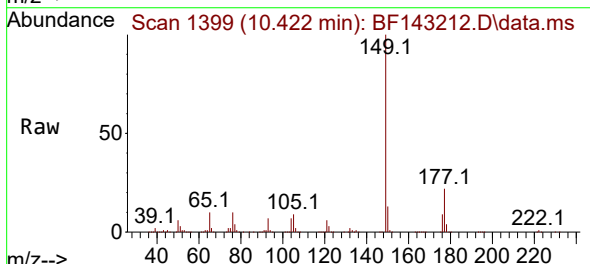
Tgt Ion:232 Resp: 183839
Ion Ratio Lower Upper
232 100
131 43.8 35.3 52.9
130 2.1 1.7 2.5
166 28.8 23.4 35.2

Manual Integrations
APPROVED

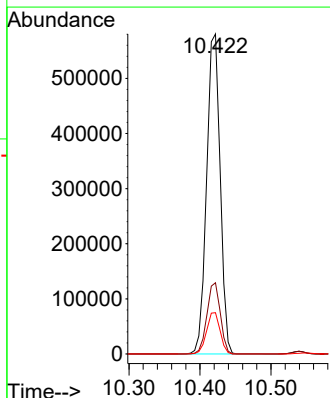
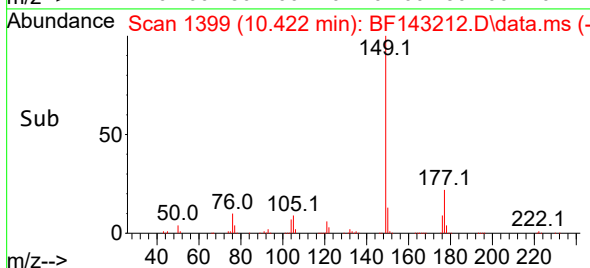
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

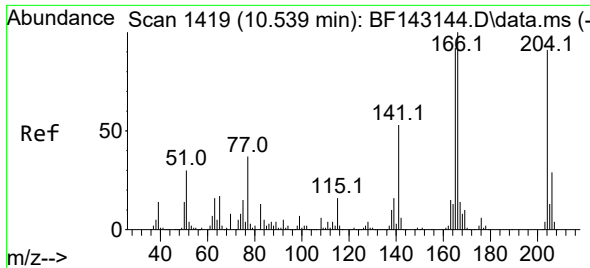


#60
Diethylphthalate
Concen: 44.467 ng
RT: 10.422 min Scan# 1399
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31



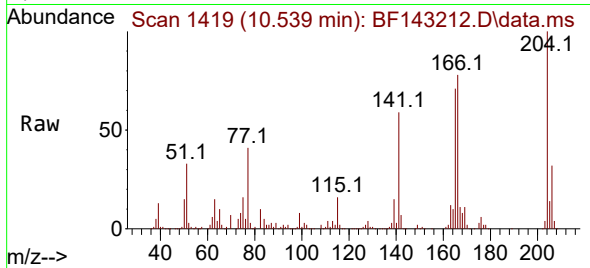
Tgt Ion:149 Resp: 770778
Ion Ratio Lower Upper
149 100
177 22.2 17.5 26.3
150 12.9 10.2 15.2





#61
4-Chlorophenyl-phenylether
Concen: 43.401 ng
RT: 10.539 min Scan# 1419
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

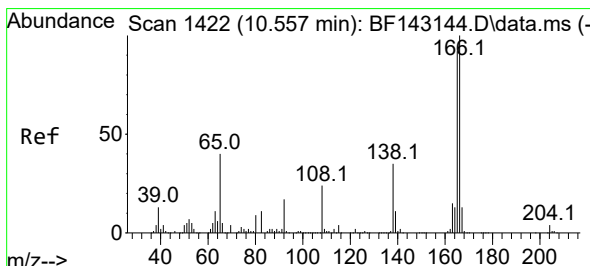
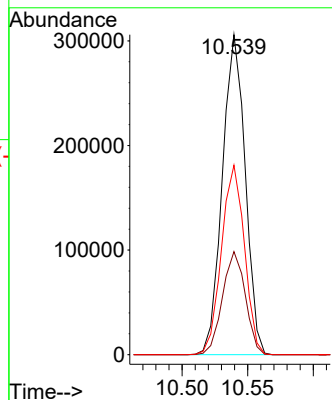
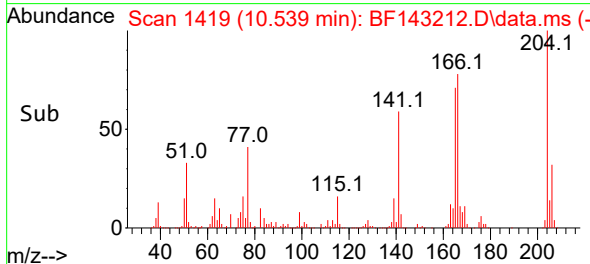
Instrument :
BNA_F
ClientSampleId :
PB168929BS



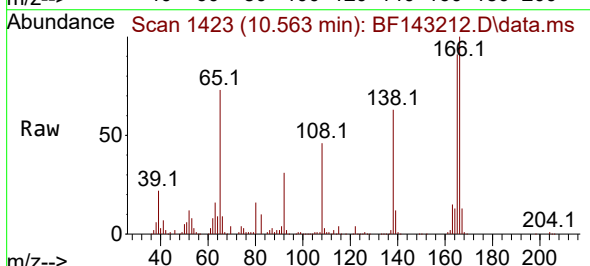
Tgt Ion:204 Resp: 370450
Ion Ratio Lower Upper
204 100
206 32.2 25.8 38.8
141 59.2 47.0 70.4

Manual Integrations
APPROVED

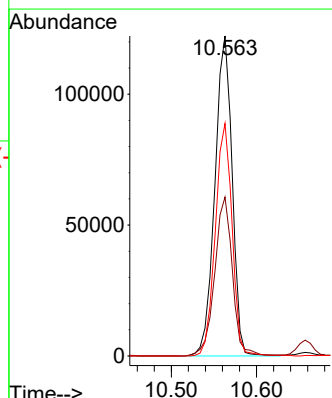
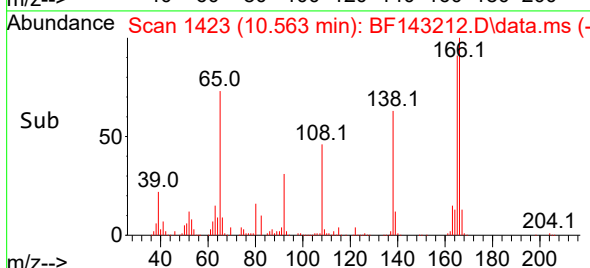
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

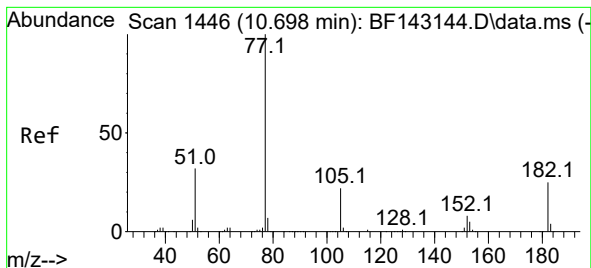


#62
4-Nitroaniline
Concen: 48.165 ng
RT: 10.563 min Scan# 1423
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31



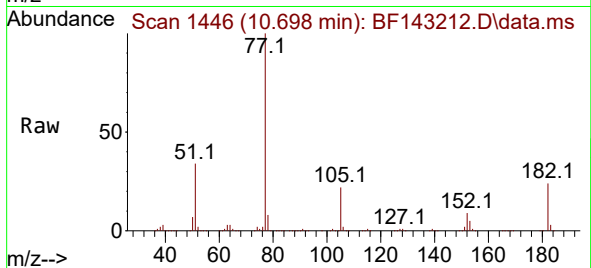
Tgt Ion:138 Resp: 172252
Ion Ratio Lower Upper
138 100
92 49.6 29.3 69.3
108 72.6 48.3 88.3





#63
Azobenzene
Concen: 42.462 ng
RT: 10.698 min Scan# 1446
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

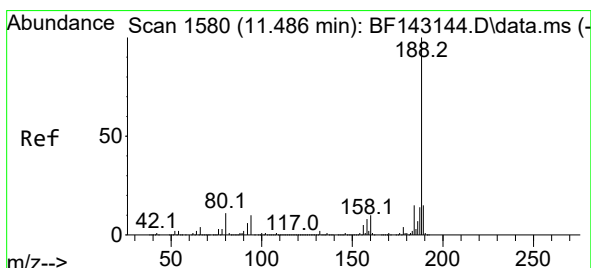
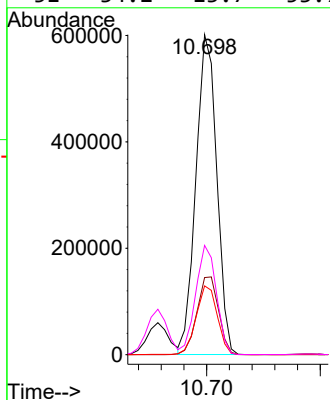
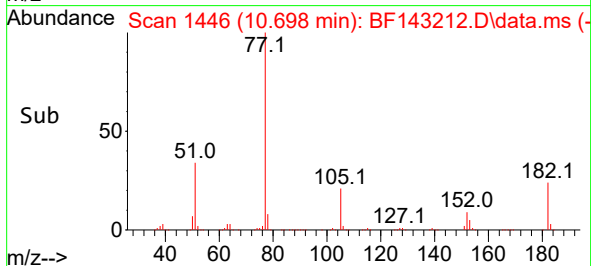
Instrument :
BNA_F
ClientSampleId :
PB168929BS



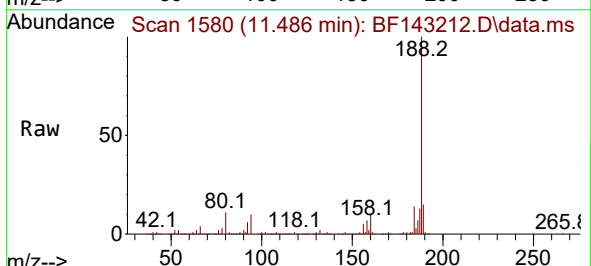
Tgt Ion: 77 Resp: 767093
Ion Ratio Lower Upper
77 100
182 24.1 4.6 44.6
105 21.5 1.4 41.4
51 34.2 13.7 53.7

Manual Integrations
APPROVED

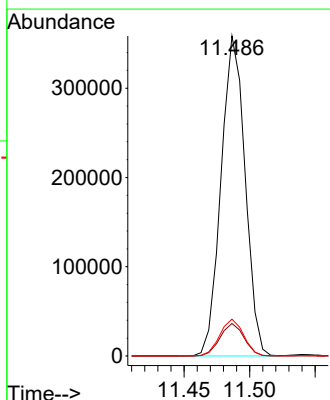
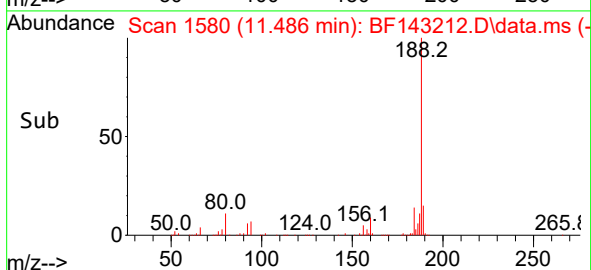
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

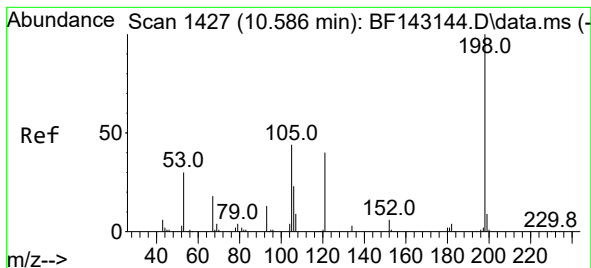


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.486 min Scan# 1580
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31



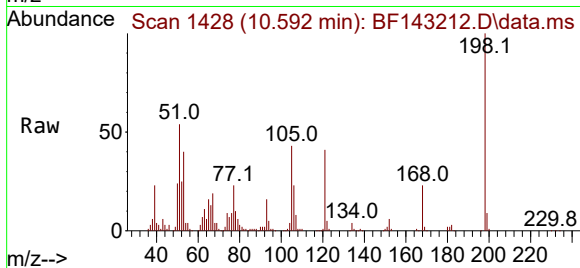
Tgt Ion:188 Resp: 457175
Ion Ratio Lower Upper
188 100
94 10.1 8.3 12.5
80 11.5 9.0 13.6





#65
4,6-Dinitro-2-methylphenol
Concen: 48.873 ng
RT: 10.592 min Scan# 1428
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

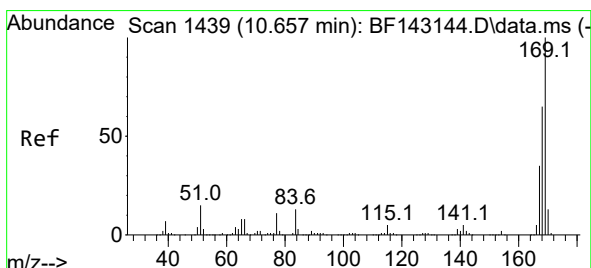
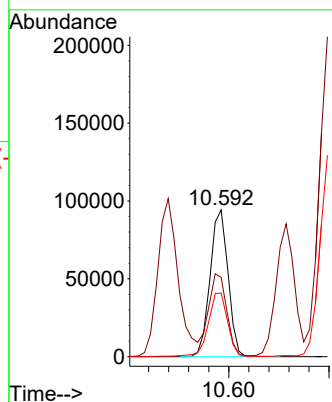
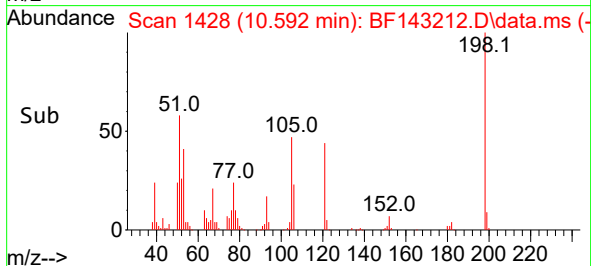
Instrument :
BNA_F
ClientSampleId :
PB168929BS



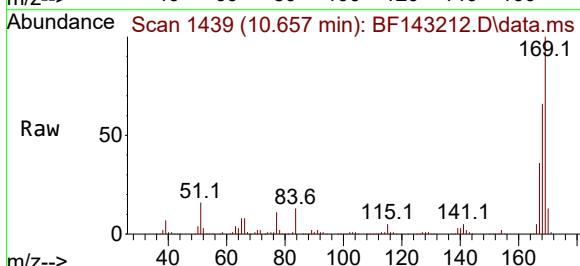
Tgt Ion:198 Resp: 117398
Ion Ratio Lower Upper
198 100
51 54.1 37.2 77.2
105 43.4 24.8 64.8

Manual Integrations
APPROVED

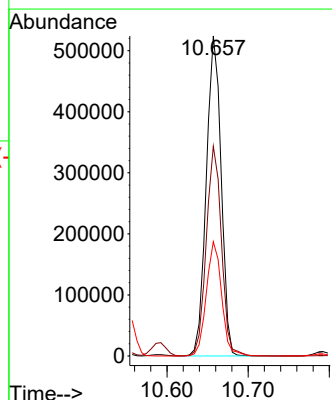
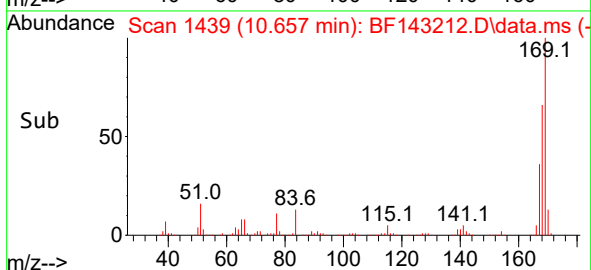
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

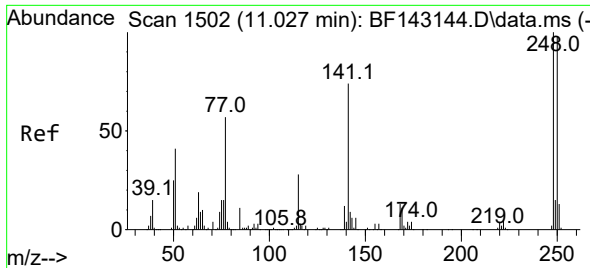


#66
n-Nitrosodiphenylamine
Concen: 41.243 ng
RT: 10.657 min Scan# 1439
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31



Tgt Ion:169 Resp: 663950
Ion Ratio Lower Upper
169 100
168 65.6 52.1 78.1
167 35.7 28.2 42.2





#67
4-Bromophenyl-phenylether
Concen: 42.093 ng
RT: 11.028 min Scan# 1502
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

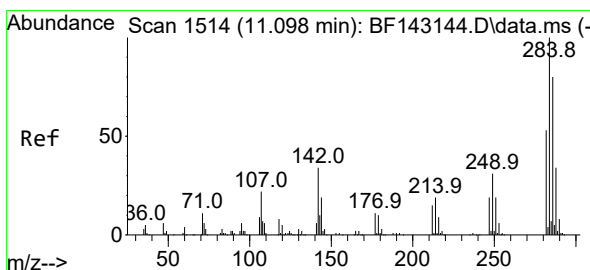
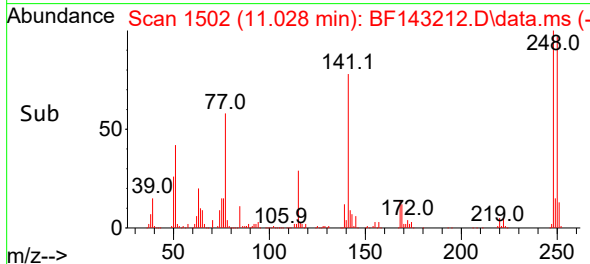
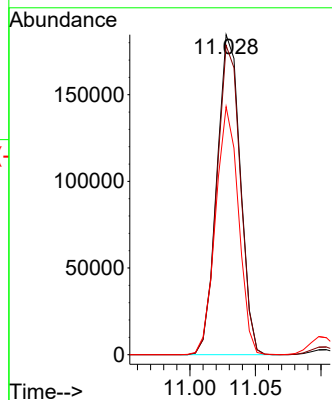
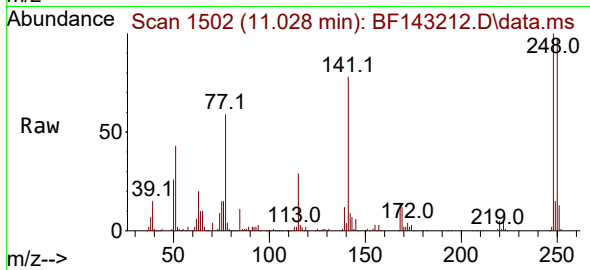
PB168929BS

Tgt Ion:248 Resp: 229335
Ion Ratio Lower Upper
248 100
250 96.7 78.3 117.5
141 77.5 59.2 88.8

Manual Integrations

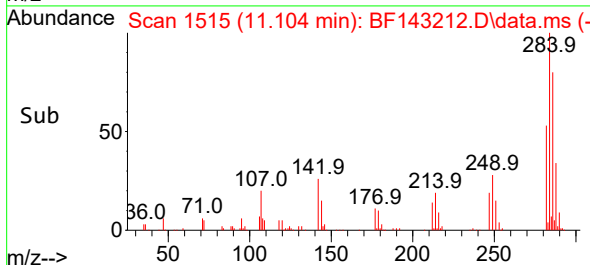
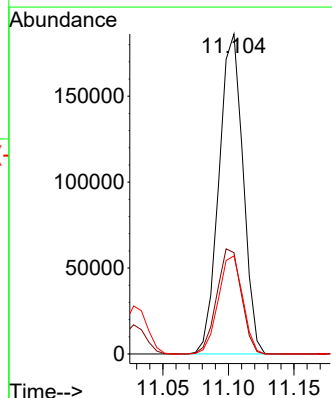
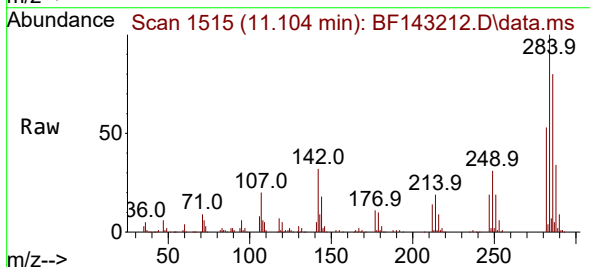
APPROVED

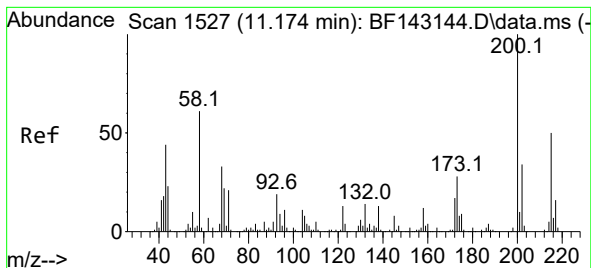
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025



#68
Hexachlorobenzene
Concen: 41.755 ng
RT: 11.104 min Scan# 1515
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

Tgt Ion:284 Resp: 237782
Ion Ratio Lower Upper
284 100
142 31.6 27.0 40.6
249 30.7 25.0 37.6





#69

Atrazine

Concen: 47.930 ng

RT: 11.181 min Scan# 1527

Delta R.T. 0.006 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS

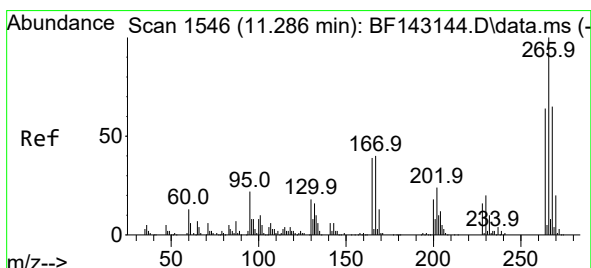
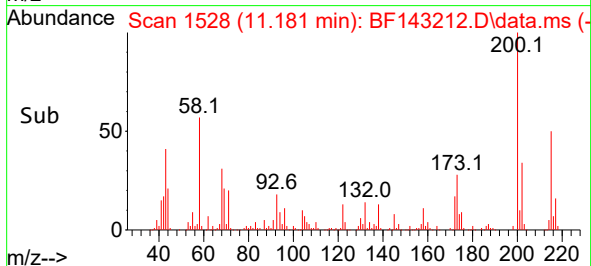
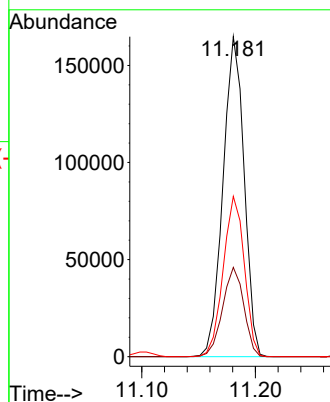
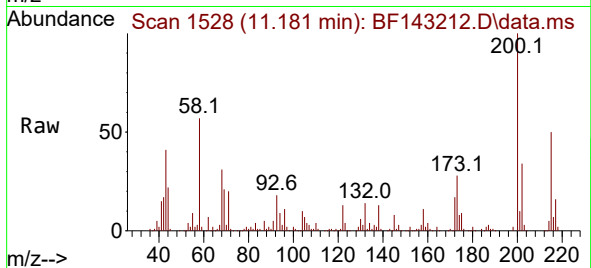
Tgt Ion:200 Resp: 212724
 Ion Ratio Lower Upper
 200 100
 173 27.9 7.9 47.9
 215 50.1 30.1 70.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#70

Pentachlorophenol

Concen: 59.697 ng

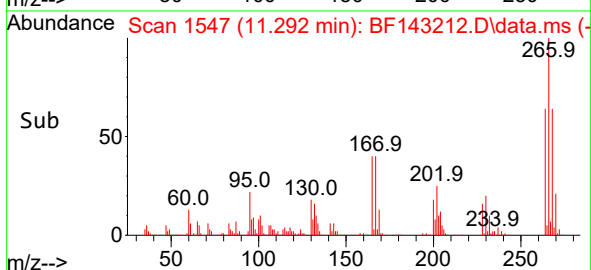
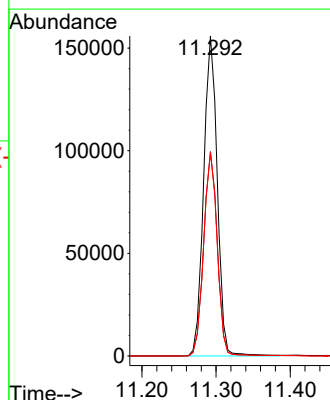
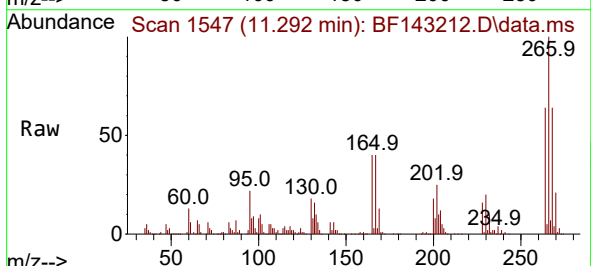
RT: 11.292 min Scan# 1547

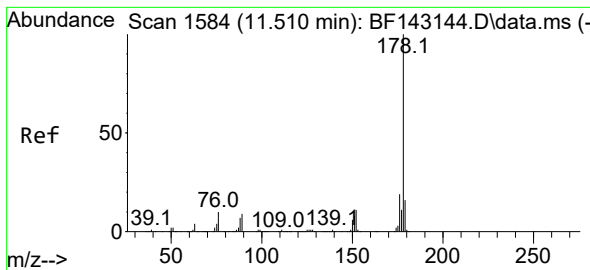
Delta R.T. 0.006 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Tgt Ion:266 Resp: 199919
 Ion Ratio Lower Upper
 266 100
 268 63.9 51.9 77.9
 264 63.5 51.0 76.6





#71

Phenanthrene

Concen: 41.750 ng

RT: 11.516 min Scan# 1584

Delta R.T. 0.006 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS

Tgt Ion:178 Resp: 101347

Ion Ratio Lower Upper

178 100

176 19.4 15.3 22.9

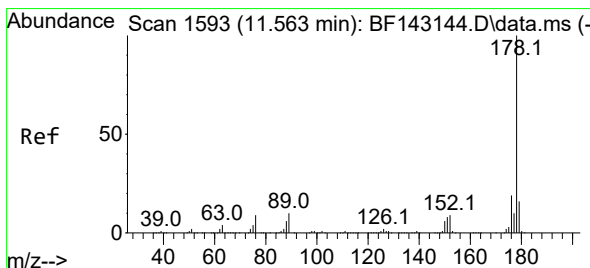
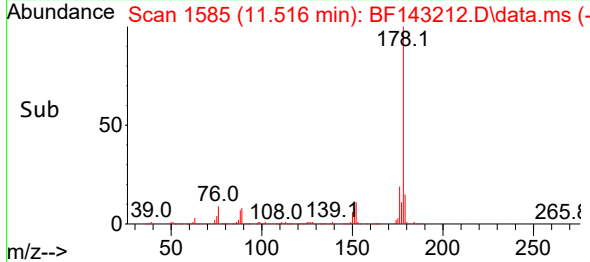
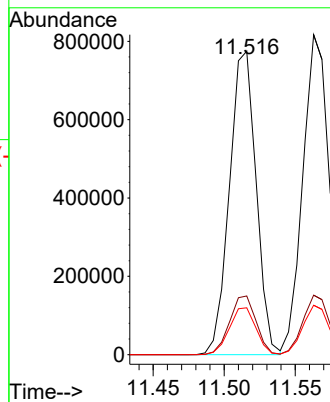
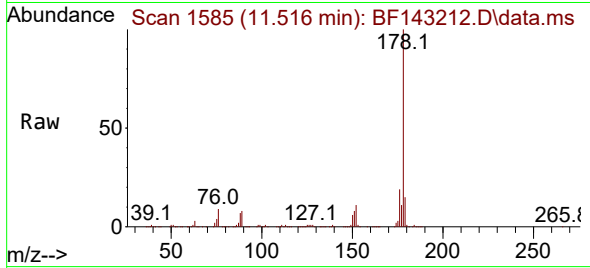
179 15.4 12.5 18.7

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#72

Anthracene

Concen: 42.127 ng

RT: 11.563 min Scan# 1593

Delta R.T. 0.000 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

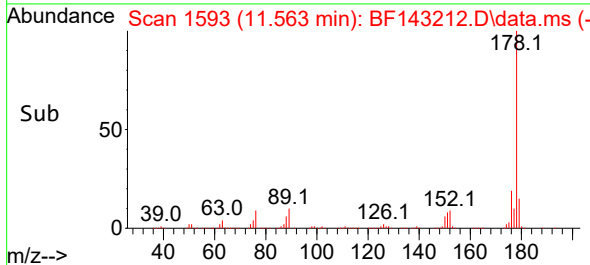
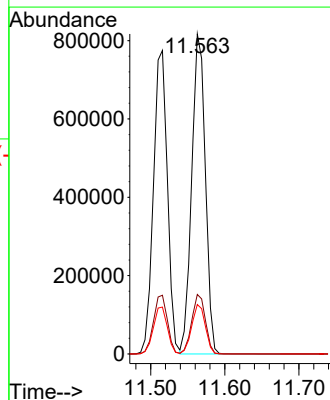
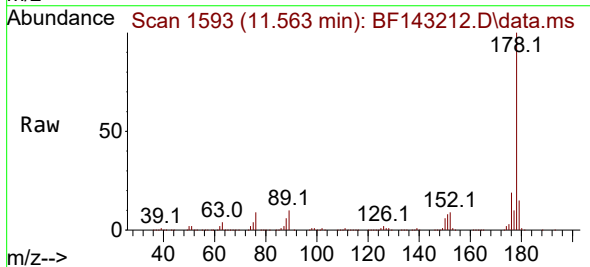
Tgt Ion:178 Resp: 1042962

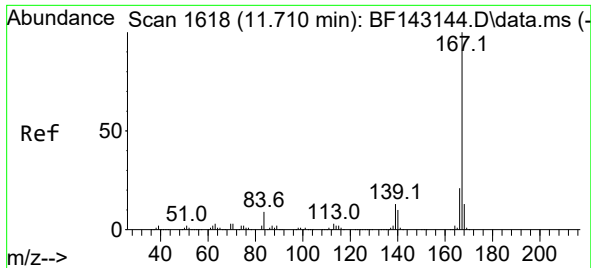
Ion Ratio Lower Upper

178 100

176 18.6 15.0 22.4

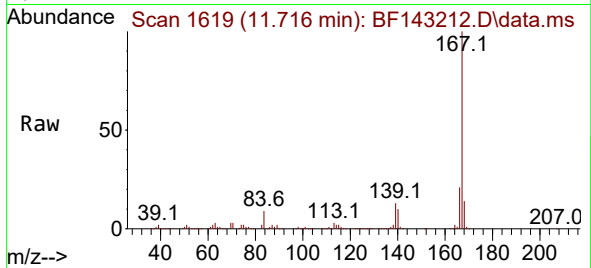
179 15.5 12.5 18.7





#73
 Carbazole
 Concen: 43.331 ng
 RT: 11.716 min Scan# 1619
 Delta R.T. 0.006 min
 Lab File: BF143212.D
 Acq: 23 Jul 2025 15:31

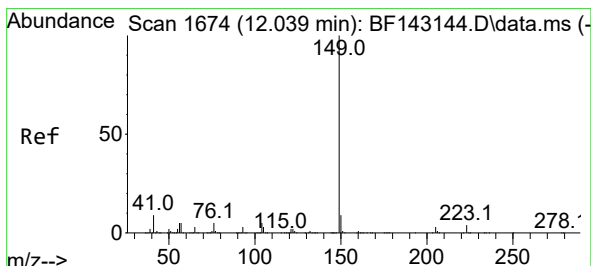
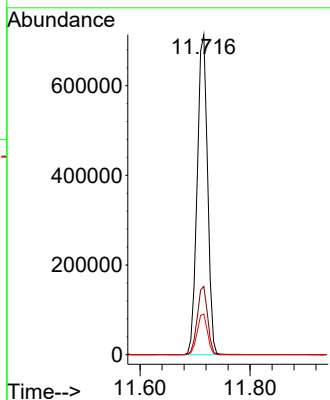
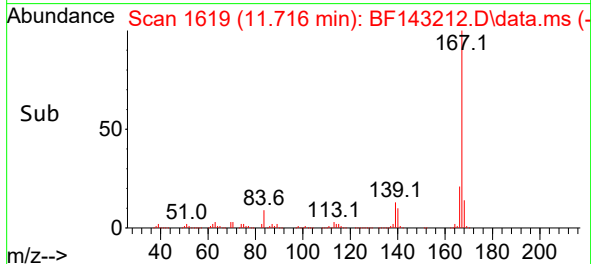
Instrument :
 BNA_F
 ClientSampleId :
 PB168929BS



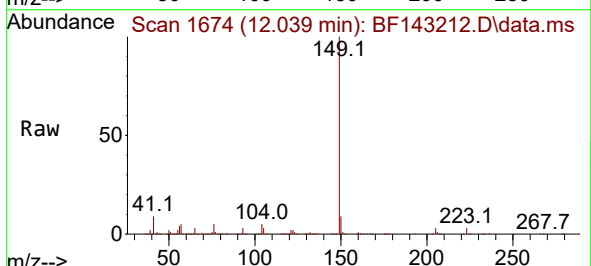
Tgt Ion:167 Resp: 936735
 Ion Ratio Lower Upper
 167 100
 166 21.4 17.0 25.6
 139 12.7 10.0 15.0

Manual Integrations
 APPROVED

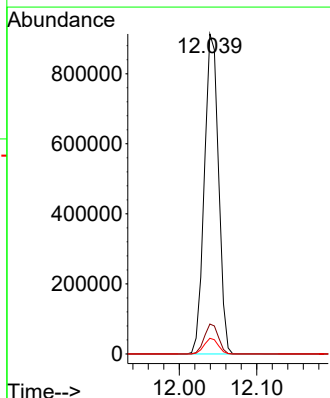
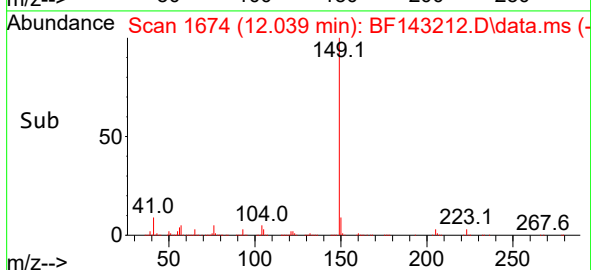
Reviewed By :Rahul Chavli 07/24/2025
 Supervised By :Jagrut Upadhyay 07/24/2025

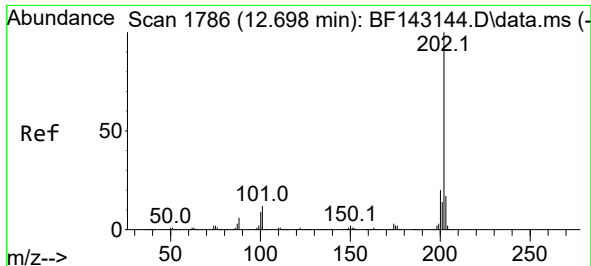


#74
 Di-n-butylphthalate
 Concen: 47.353 ng
 RT: 12.039 min Scan# 1674
 Delta R.T. 0.000 min
 Lab File: BF143212.D
 Acq: 23 Jul 2025 15:31



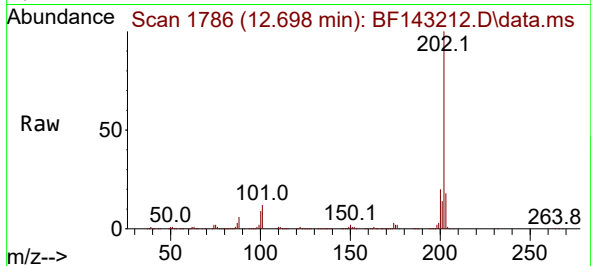
Tgt Ion:149 Resp: 1158302
 Ion Ratio Lower Upper
 149 100
 150 9.3 7.4 11.2
 104 4.9 3.8 5.8





#75
Fluoranthene
Concen: 45.851 ng
RT: 12.698 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

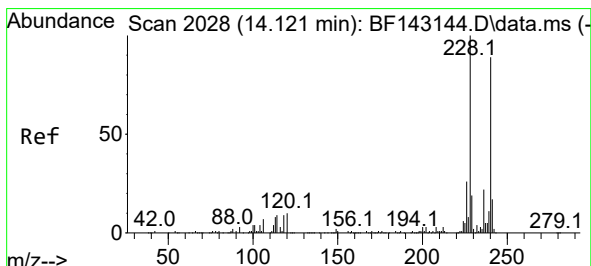
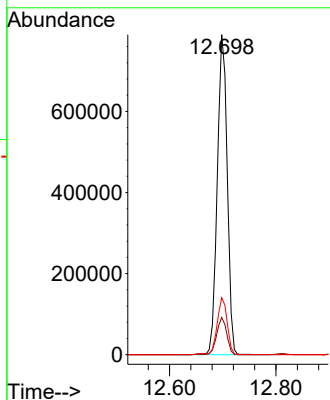
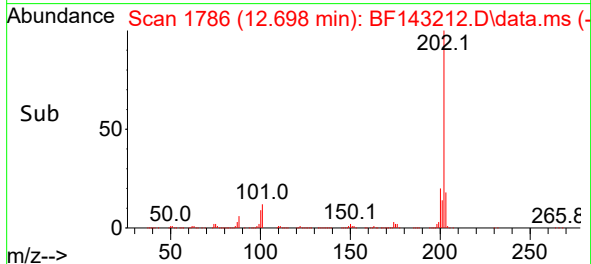
Instrument :
BNA_F
ClientSampleId :
PB168929BS



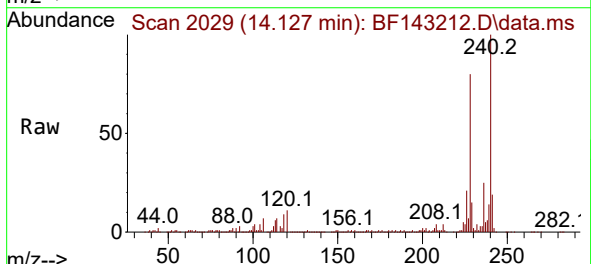
Tgt Ion:202 Resp: 102160
Ion Ratio Lower Upper
202 100
101 11.6 0.0 31.7
203 17.8 0.0 37.4

Manual Integrations
APPROVED

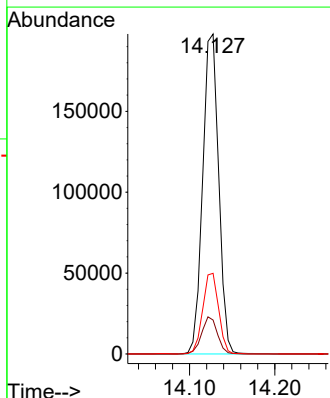
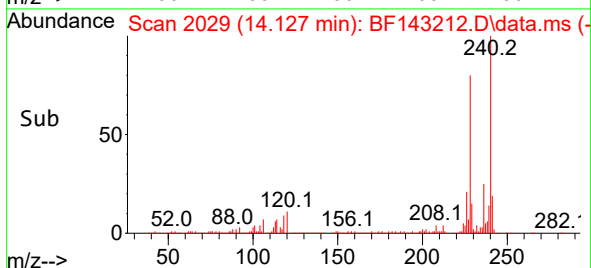
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

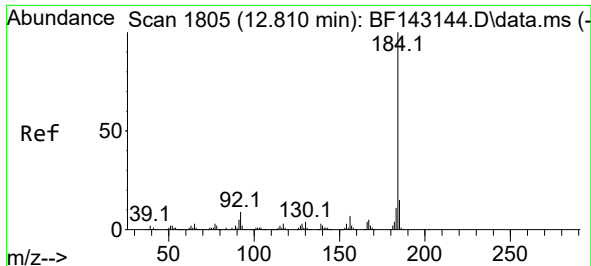


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.127 min Scan# 2029
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31



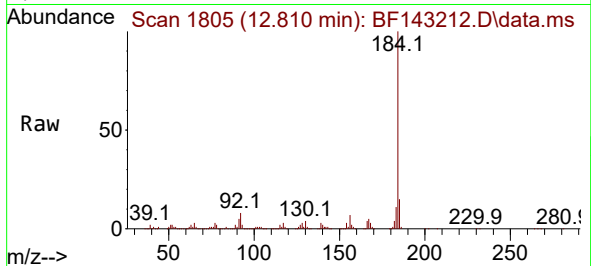
Tgt Ion:240 Resp: 257414
Ion Ratio Lower Upper
240 100
120 10.6 9.4 14.2
236 25.2 20.2 30.4





#77
Benzidine
Concen: 44.288 ng
RT: 12.810 min Scan# 1805
Delta R.T. -0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

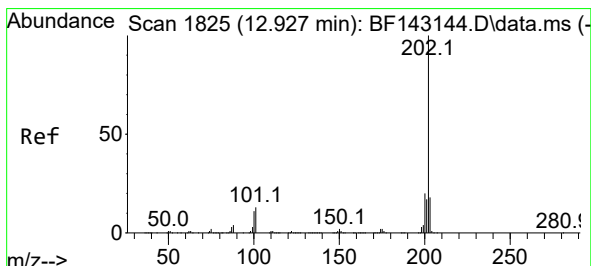
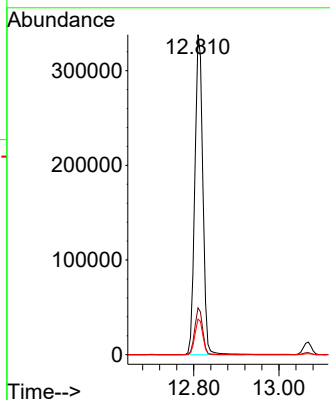
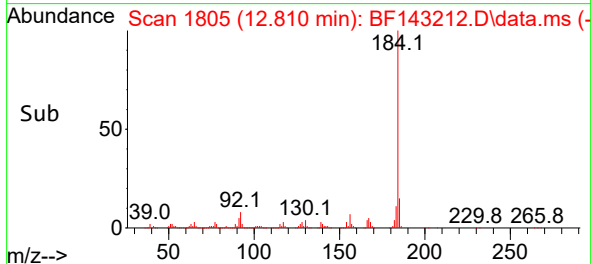
Instrument :
BNA_F
ClientSampleId :
PB168929BS



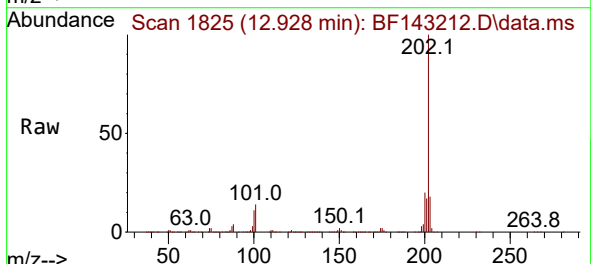
Tgt Ion:184 Resp: 439225
Ion Ratio Lower Upper
184 100
185 14.6 12.2 18.4
183 11.1 9.0 13.4

Manual Integrations
APPROVED

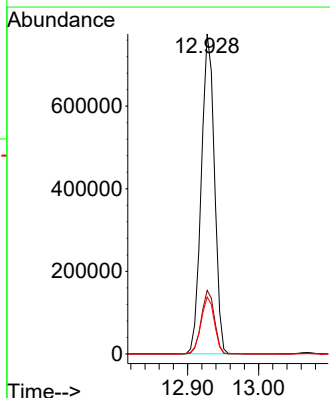
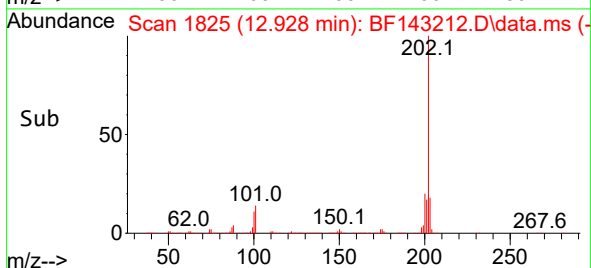
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

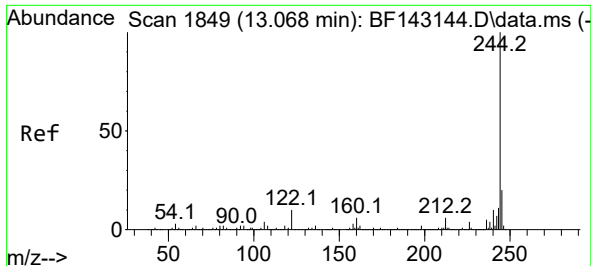


#78
Pyrene
Concen: 45.405 ng
RT: 12.928 min Scan# 1825
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31



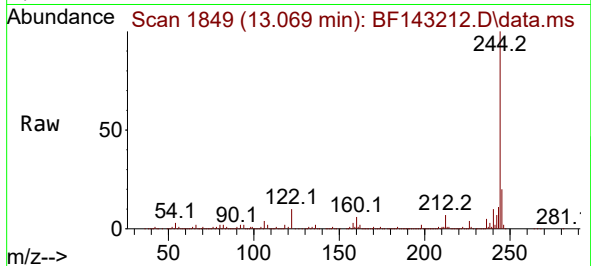
Tgt Ion:202 Resp: 997507
Ion Ratio Lower Upper
202 100
200 19.8 15.7 23.5
203 17.8 14.2 21.2





#79
Terphenyl-d14
Concen: 78.664 ng
RT: 13.069 min Scan# 1849
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

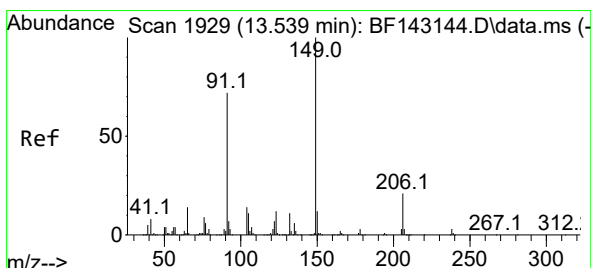
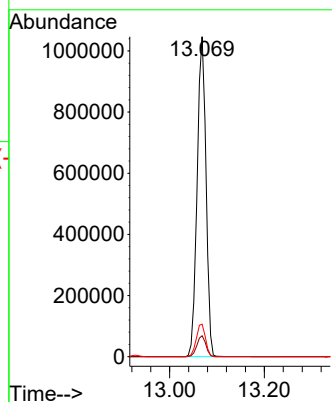
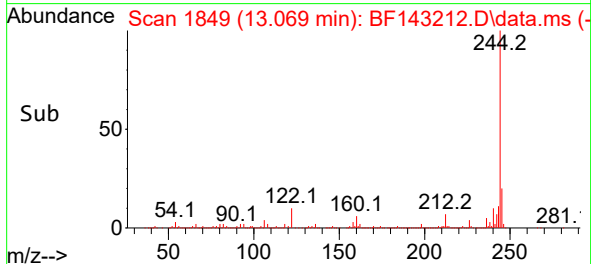
Instrument :
BNA_F
ClientSampleId :
PB168929BS



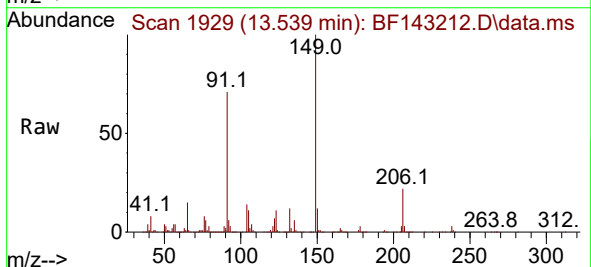
Tgt Ion:244 Resp: 1360738
Ion Ratio Lower Upper
244 100
212 6.6 5.2 7.8
122 10.2 8.2 12.2

Manual Integrations
APPROVED

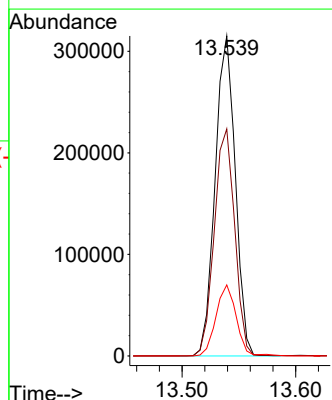
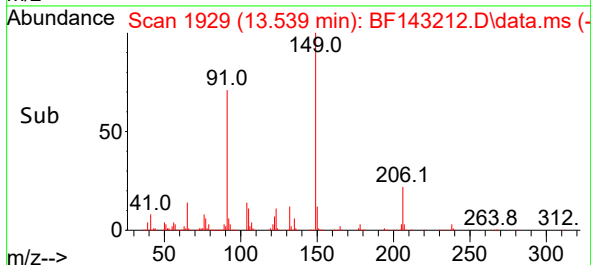
Reviewed By :Rahul Chavli 07/24/2025
Supervised By :Jagrut Upadhyay 07/24/2025

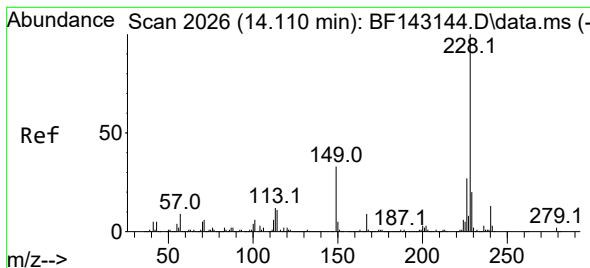


#80
Butylbenzylphthalate
Concen: 57.747 ng
RT: 13.539 min Scan# 1929
Delta R.T. 0.000 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31



Tgt Ion:149 Resp: 388473
Ion Ratio Lower Upper
149 100
91 71.0 57.9 86.9
206 22.2 17.0 25.4





#81

Benzo(a)anthracene

Concen: 44.609 ng

RT: 14.116 min Scan# 2026

Delta R.T. 0.006 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS

Tgt Ion:228 Resp: 768789

Ion Ratio Lower Upper

228 100

226 26.6 21.7 32.5

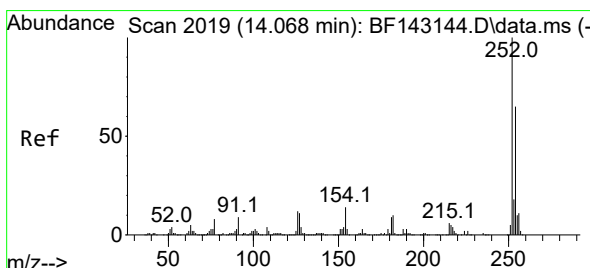
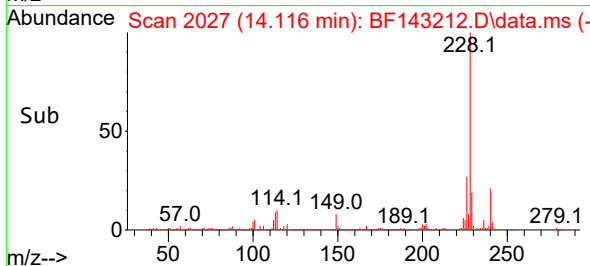
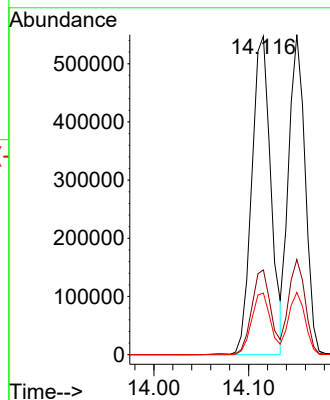
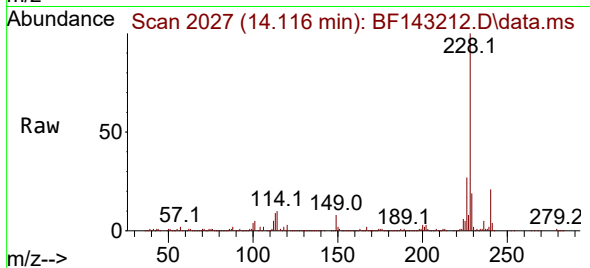
229 19.4 15.8 23.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#82

3,3'-Dichlorobenzidine

Concen: 22.706 ng

RT: 14.069 min Scan# 2019

Delta R.T. 0.000 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

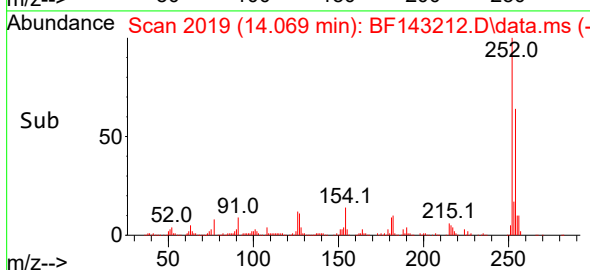
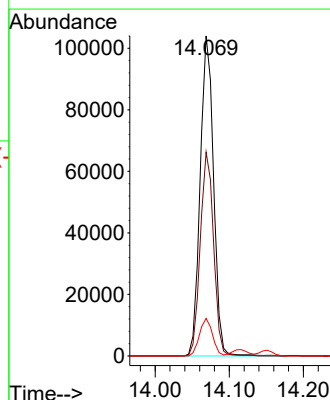
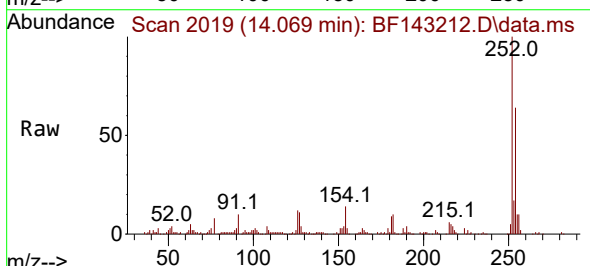
Tgt Ion:252 Resp: 130418

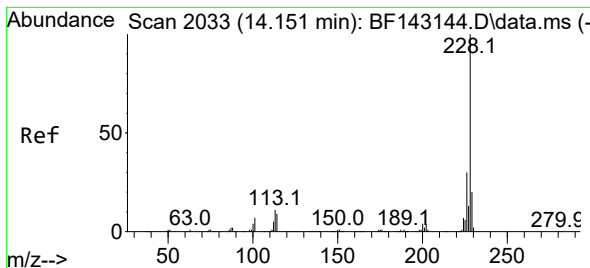
Ion Ratio Lower Upper

252 100

254 63.7 51.7 77.5

126 11.7 9.4 14.0





#83

Chrysene

Concen: 43.047 ng

RT: 14.151 min Scan# 2033

Delta R.T. 0.000 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS

Tgt Ion:228 Resp: 667015

Ion Ratio Lower Upper

228 100

226 29.8 23.8 35.8

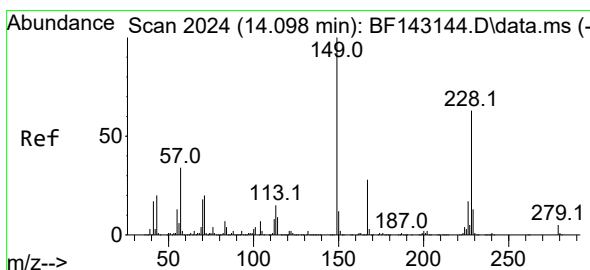
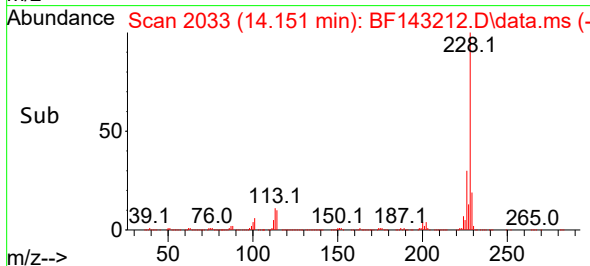
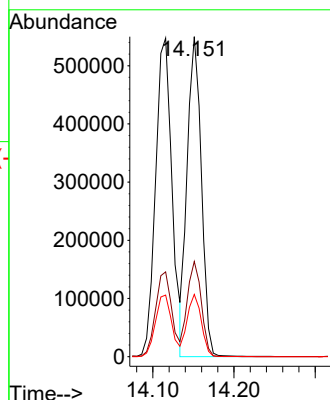
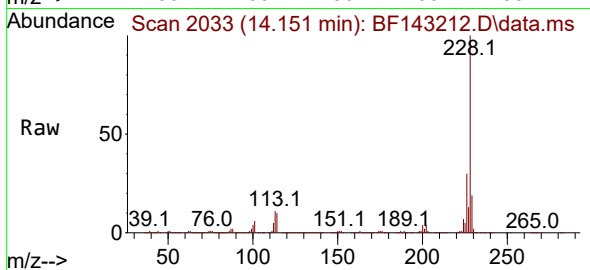
229 19.5 15.6 23.4

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 50.052 ng

RT: 14.098 min Scan# 2024

Delta R.T. 0.000 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

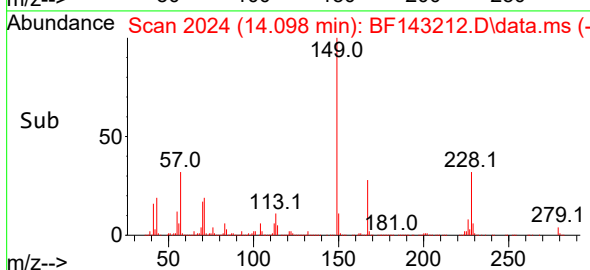
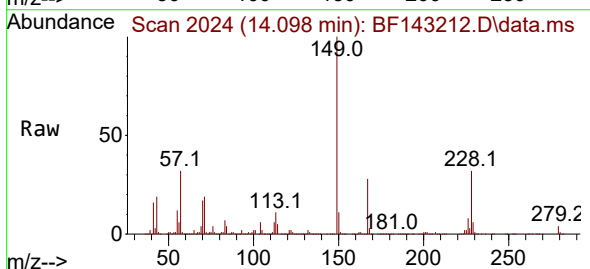
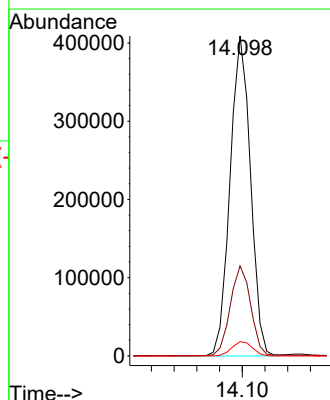
Tgt Ion:149 Resp: 509639

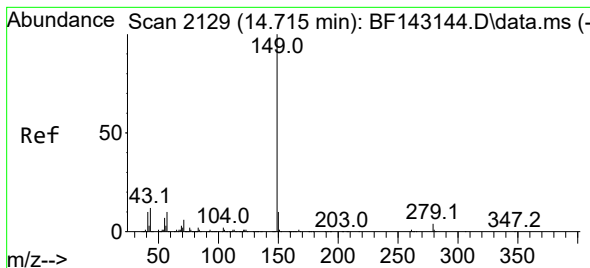
Ion Ratio Lower Upper

149 100

167 28.2 22.3 33.5

279 4.5 3.6 5.4





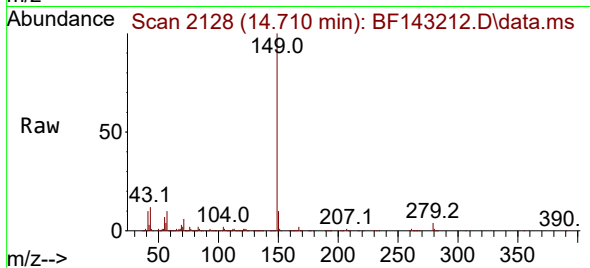
#85
Di-n-octyl phthalate
Concen: 43.453 ng
RT: 14.710 min Scan# 2129
Delta R.T. -0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS



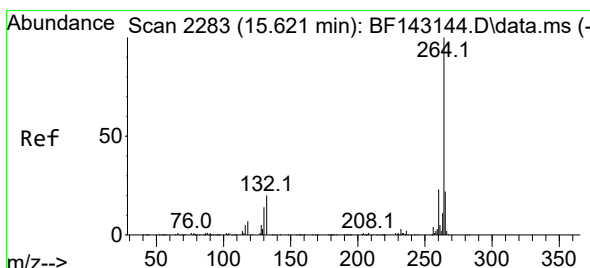
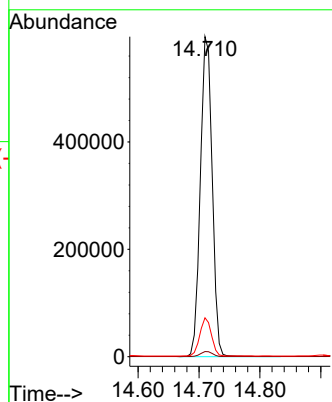
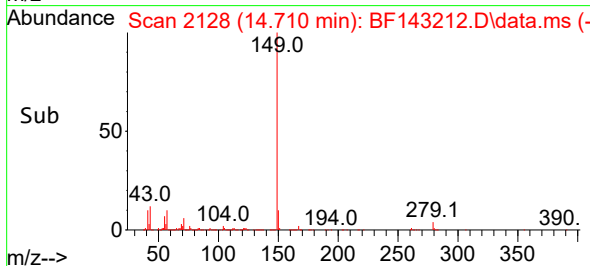
Tgt Ion:149 Resp: 801994
Ion Ratio Lower Upper
149 100
167 1.5 1.1 1.7
43 11.8 9.7 14.5

Manual Integrations

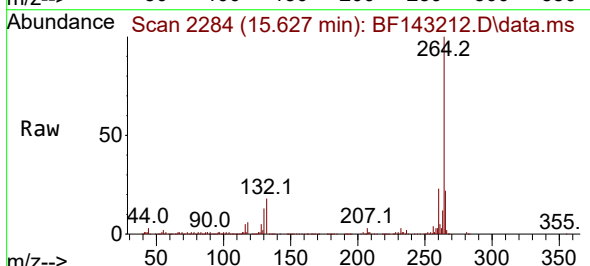
APPROVED

Reviewed By :Rahul Chavli 07/24/2025

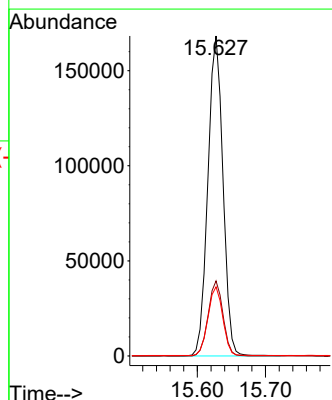
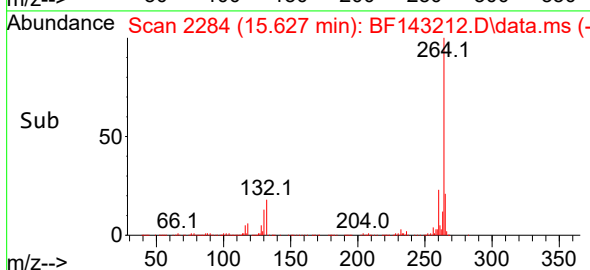
Supervised By :Jagrut Upadhyay 07/24/2025

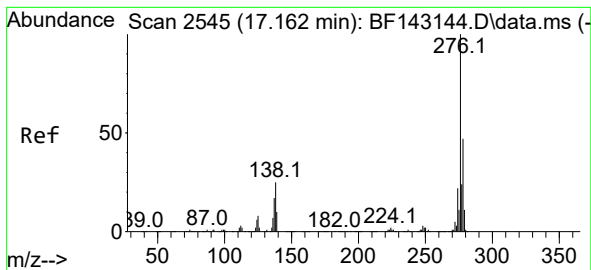


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.627 min Scan# 2284
Delta R.T. 0.006 min
Lab File: BF143212.D
Acq: 23 Jul 2025 15:31



Tgt Ion:264 Resp: 259291
Ion Ratio Lower Upper
264 100
260 23.4 18.5 27.7
265 21.6 17.4 26.2





#87

Indeno(1,2,3-cd)pyrene

Concen: 43.816 ng

RT: 17.168 min Scan# 2545

Delta R.T. 0.006 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS

Tgt Ion:276 Resp: 801110

Ion Ratio Lower Upper

276 100

138 25.9 21.8 32.6

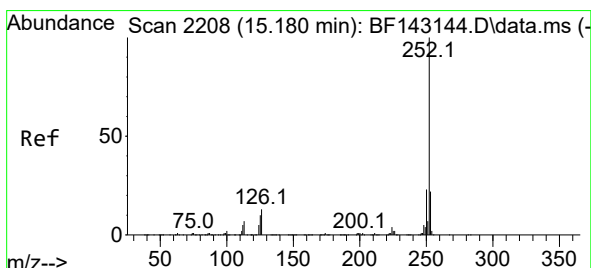
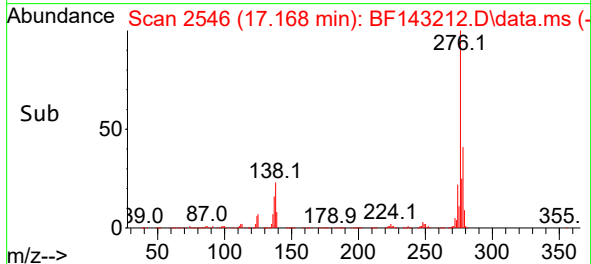
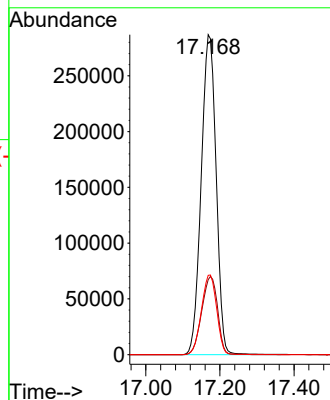
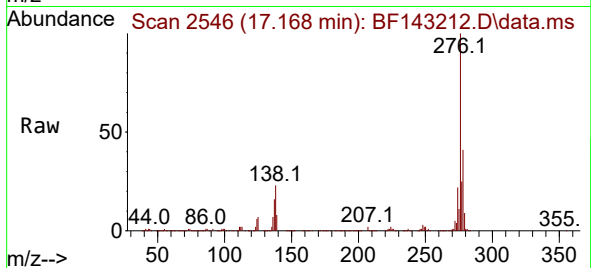
277 25.5 20.0 30.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#88

Benzo(b)fluoranthene

Concen: 44.186 ng

RT: 15.180 min Scan# 2208

Delta R.T. 0.000 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

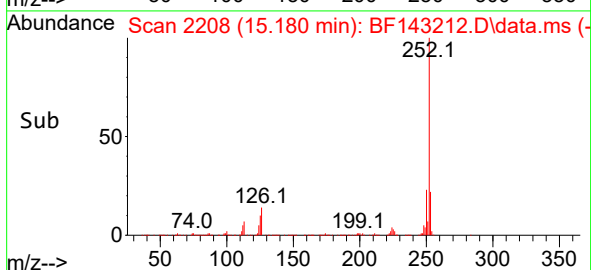
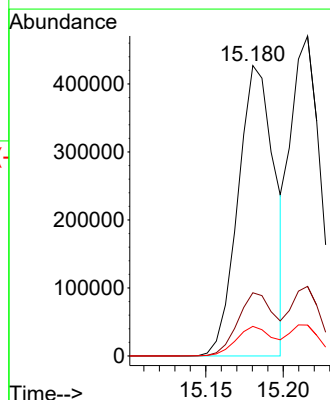
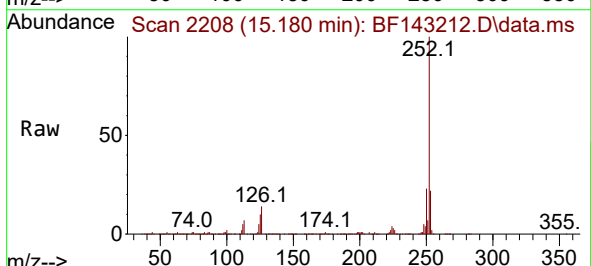
Tgt Ion:252 Resp: 699919

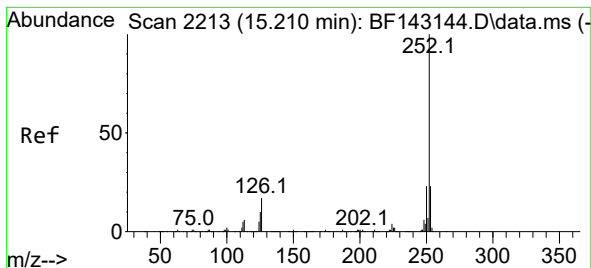
Ion Ratio Lower Upper

252 100

253 21.8 17.5 26.3

125 10.2 8.0 12.0





#89

Benzo(k)fluoranthene

Concen: 44.536 ng

RT: 15.216 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS

Tgt Ion:252 Resp: 62951

Ion Ratio Lower Upper

252 100

253 21.8 17.8 26.6

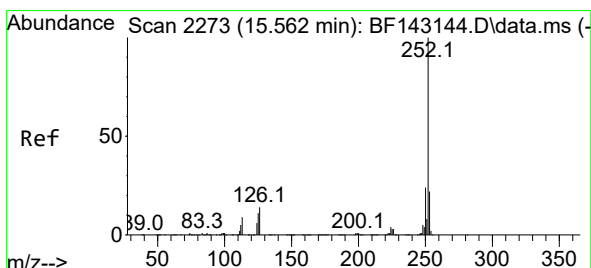
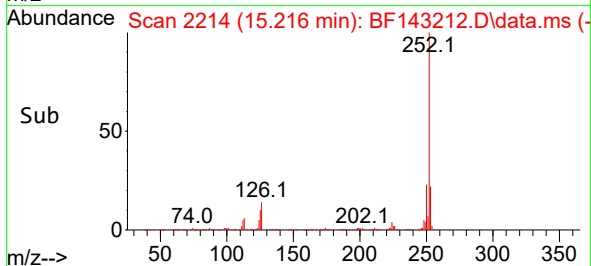
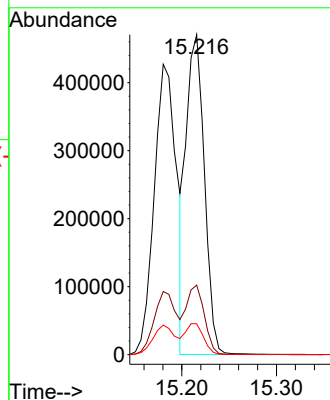
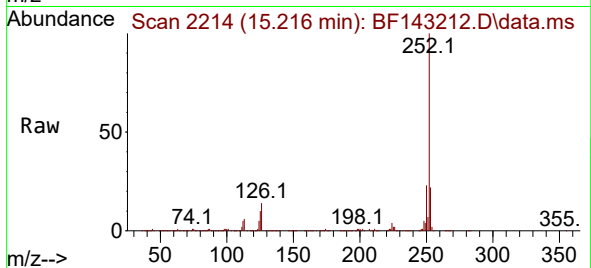
125 9.7 8.1 12.1

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#90

Benzo(a)pyrene

Concen: 44.555 ng

RT: 15.563 min Scan# 2273

Delta R.T. 0.000 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

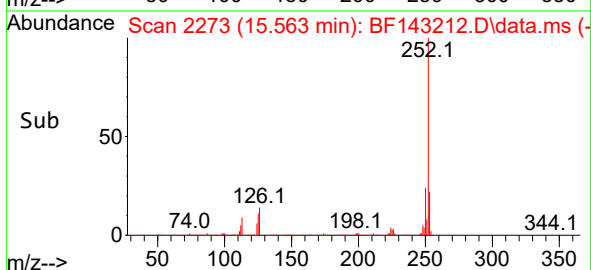
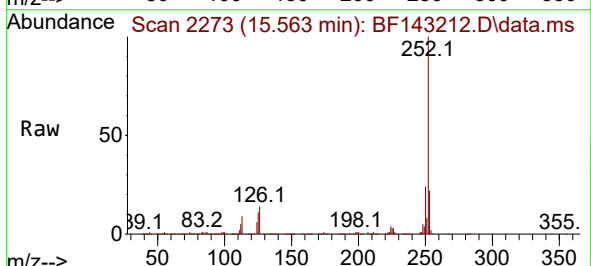
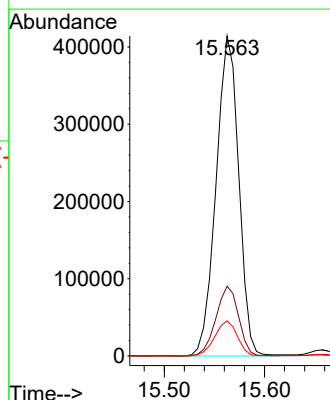
Tgt Ion:252 Resp: 650257

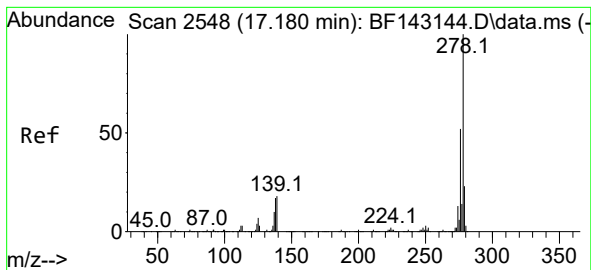
Ion Ratio Lower Upper

252 100

253 21.8 17.3 25.9

125 10.9 8.6 13.0





#91

Dibenzo(a,h)anthracene

Concen: 43.731 ng

RT: 17.186 min Scan# 21

Delta R.T. 0.006 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Instrument :

BNA_F

ClientSampleId :

PB168929BS

Tgt Ion:278 Resp: 650784

Ion Ratio Lower Upper

278 100

139 17.0 14.1 21.1

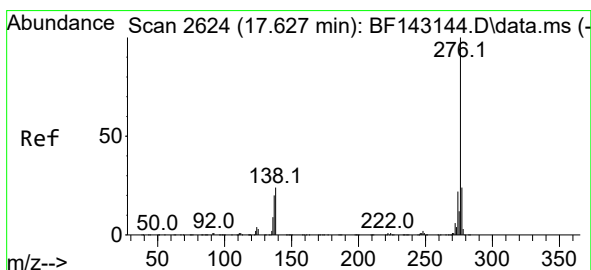
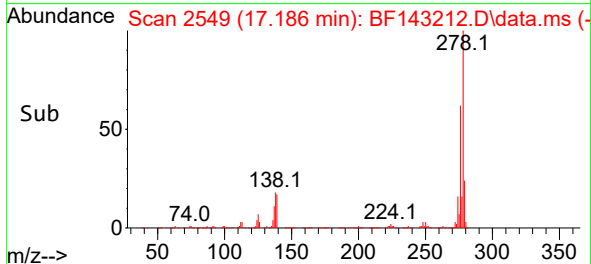
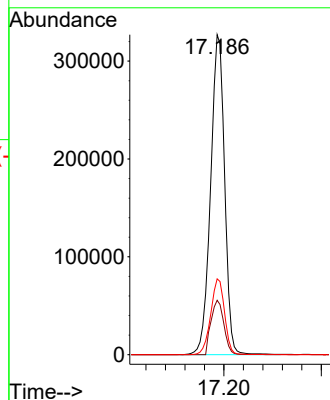
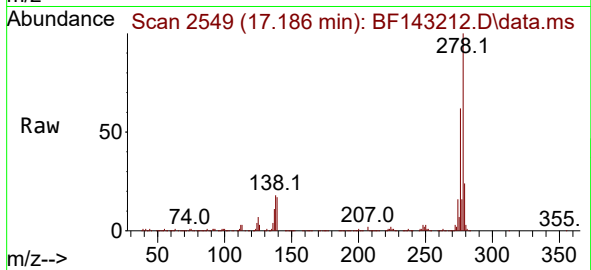
279 23.7 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 07/24/2025

Supervised By :Jagrut Upadhyay 07/24/2025



#92

Benzo(g,h,i)perylene

Concen: 44.808 ng

RT: 17.639 min Scan# 2626

Delta R.T. 0.012 min

Lab File: BF143212.D

Acq: 23 Jul 2025 15:31

Tgt Ion:276 Resp: 645025

Ion Ratio Lower Upper

276 100

277 23.6 19.1 28.7

138 22.2 18.9 28.3

