

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF101425\
 Data File : BF143949.D
 Acq On : 14 Oct 2025 16:13
 Operator : RC/JU
 Sample : PB170055BS
 Misc :
 ALS Vial : 5 Sample Multiplier: 1

Instrument :
 BNA_F
 ClientSampleId :
 PB170055BS

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
 Supervised By :mohammad ahmed 10/17/2025

Quant Time: Oct 14 16:36:23 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF100625.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Mon Oct 06 15:29:47 2025
 Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	118783	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	465023	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	256823	20.000	ng	0.00
64) Phenanthrene-d10	11.416	188	433771	20.000	ng	0.00
76) Chrysene-d12	14.063	240	247361	20.000	ng	0.00
86) Perylene-d12	15.545	264	229733	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	872770	116.679	ng	0.00
7) Phenol-d6	6.510	99	1035190	116.105	ng	0.00
23) Nitrobenzene-d5	7.445	82	662572	86.564	ng	-0.01
42) 2,4,6-Tribromophenol	10.716	330	324960	127.036	ng	0.00
45) 2-Fluorobiphenyl	9.245	172	1249663	77.208	ng	0.00
79) Terphenyl-d14	13.004	244	1351901	93.406	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.740	88	136708	39.495	ng	99
3) Pyridine	3.499	79	402572	39.951	ng	98
4) n-Nitrosodimethylamine	3.446	42	240321	45.336	ng	94
6) Aniline	6.545	93	470002	35.179	ng	98
8) 2-Chlorophenol	6.663	128	326002	44.586	ng	99
9) Benzaldehyde	6.434	77	195562	28.434	ng	99
10) Phenol	6.522	94	465315m	43.654	ng	
11) bis(2-Chloroethyl)ether	6.616	93	370017	44.938	ng	99
12) 1,3-Dichlorobenzene	6.822	146	377727	43.157	ng	100
13) 1,4-Dichlorobenzene	6.898	146	380675	44.093	ng	99
14) 1,2-Dichlorobenzene	7.051	146	363836	43.998	ng	100
15) Benzyl Alcohol	7.022	79	312374	46.760	ng	99
16) 2,2'-oxybis(1-Chloropr...	7.157	45	857401	45.746	ng	99
17) 2-Methylphenol	7.134	107	274129	45.365	ng	99
18) Hexachloroethane	7.392	117	124439	43.220	ng	99
19) n-Nitroso-di-n-propyla...	7.292	70	260148	42.626	ng	99
20) 3+4-Methylphenols	7.287	107	307492	43.906	ng	# 73
22) Acetophenone	7.292	105	456756	46.453	ng	98
24) Nitrobenzene	7.463	77	387411	45.578	ng	99
25) Isophorone	7.704	82	723901	44.854	ng	100
26) 2-Nitrophenol	7.781	139	185383	50.871	ng	98
27) 2,4-Dimethylphenol	7.816	122	318432	48.575	ng	99
28) bis(2-Chloroethoxy)met...	7.910	93	457201	44.846	ng	98
29) 2,4-Dichlorophenol	8.022	162	300557	44.016	ng	98
30) 1,2,4-Trichlorobenzene	8.104	180	300386	44.730	ng	99
31) Naphthalene	8.187	128	905947	42.827	ng	99
32) Benzoic acid	7.939	122	232590	51.267	ng	98
33) 4-Chloroaniline	8.234	127	168571	21.248	ng	98
34) Hexachlorobutadiene	8.304	225	192496	41.250	ng	97
35) Caprolactam	8.604	113	102329m	47.132	ng	
36) 4-Chloro-3-methylphenol	8.716	107	292710	44.626	ng	98
37) 2-Methylnaphthalene	8.881	142	550824	39.091	ng	98
38) 1-Methylnaphthalene	8.981	142	571719	41.830	ng	98
40) 1,2,4,5-Tetrachloroben...	9.045	216	323807	45.618	ng	99
41) Hexachlorocyclopentadiene	9.034	237	319945	108.649	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	225309	43.442	ng	97

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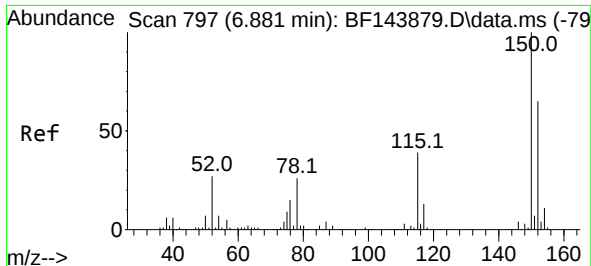
Manual Integrations
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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	241324	44.031	ng	99
46) 1,1'-Biphenyl	9.345	154	787600	46.319	ng	98
47) 2-Chloronaphthalene	9.369	162	609645	43.002	ng	97
48) 2-Nitroaniline	9.463	65	220218	49.132	ng	99
49) Acenaphthylene	9.786	152	967163	48.525	ng	99
50) Dimethylphthalate	9.645	163	726615	44.552	ng	99
51) 2,6-Dinitrotoluene	9.710	165	158175	52.302	ng	94
52) Acenaphthene	9.957	154	585998	44.870	ng	100
53) 3-Nitroaniline	9.875	138	119416	32.248	ng	99
54) 2,4-Dinitrophenol	9.986	184	162038	86.267	ng	# 90
55) Dibenzofuran	10.133	168	792450	42.984	ng	99
56) 4-Nitrophenol	10.039	139	240051	85.616	ng	96
57) 2,4-Dinitrotoluene	10.110	165	214262	52.070	ng	98
58) Fluorene	10.475	166	602736	43.328	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.251	232	183031m	47.176	ng	
60) Diethylphthalate	10.345	149	661161	43.636	ng	100
61) 4-Chlorophenyl-phenyle...	10.463	204	312560	42.498	ng	97
62) 4-Nitroaniline	10.492	138	161624	45.388	ng	97
63) Azobenzene	10.628	77	731390	46.187	ng	98
65) 4,6-Dinitro-2-methylph...	10.522	198	116621	53.501	ng	98
66) n-Nitrosodiphenylamine	10.586	169	609980	44.786	ng	99
67) 4-Bromophenyl-phenylether	10.957	248	204021	42.559	ng	97
68) Hexachlorobenzene	11.022	284	242638	43.720	ng	99
69) Atrazine	11.110	200	196973	47.715	ng	100
70) Pentachlorophenol	11.222	266	259520	81.419	ng	98
71) Phenanthrene	11.439	178	917260	43.618	ng	99
72) Anthracene	11.492	178	941105	44.298	ng	100
73) Carbazole	11.645	167	835457	44.402	ng	99
74) Di-n-butylphthalate	11.975	149	1021669	46.851	ng	99
75) Fluoranthene	12.633	202	964435	44.399	ng	99
77) Benzidine	12.751	184	344111	40.064	ng	98
78) Pyrene	12.863	202	957514	46.431	ng	99
80) Butylbenzylphthalate	13.480	149	350848	52.386	ng	99
81) Benzo(a)anthracene	14.051	228	747867	46.200	ng	99
82) 3,3'-Dichlorobenzidine	14.016	252	126081	25.558	ng	99
83) Chrysene	14.092	228	650468	43.417	ng	99
84) Bis(2-ethylhexyl)phtha...	14.039	149	417913	51.764	ng	99
85) Di-n-octyl phthalate	14.657	149	614508	46.343	ng	99
87) Indeno(1,2,3-cd)pyrene	17.051	276	714723	50.773	ng	97
88) Benzo(b)fluoranthene	15.110	252	614839	46.591	ng	99
89) Benzo(k)fluoranthene	15.139	252	536880	43.967	ng	100
90) Benzo(a)pyrene	15.486	252	557596	48.729	ng	98
91) Dibenzo(a,h)anthracene	17.068	278	578363	51.086	ng	97
92) Benzo(g,h,i)perylene	17.504	276	587725	51.912	ng	97

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



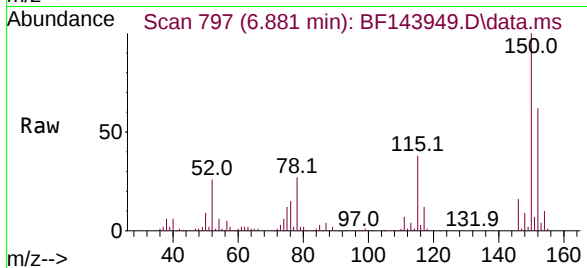
#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 6.881 min Scan# 79
Delta R.T. -0.005 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

PB170055BS

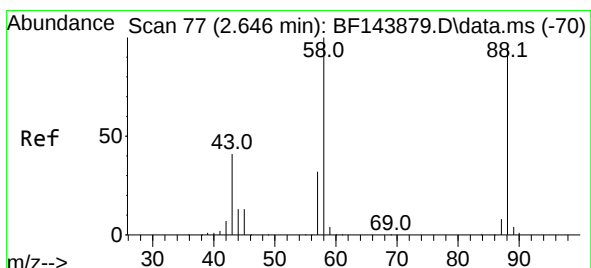
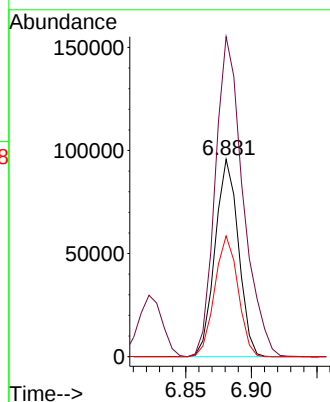
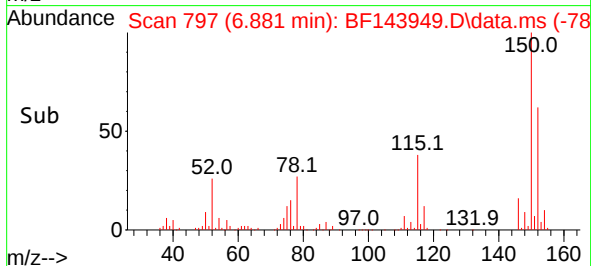


Tgt Ion:152 Resp: 118783
Ion Ratio Lower Upper
152 100
150 162.3 124.4 186.6
115 61.3 48.1 72.1

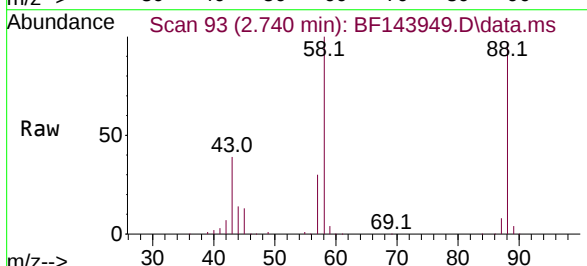
Manual Integrations

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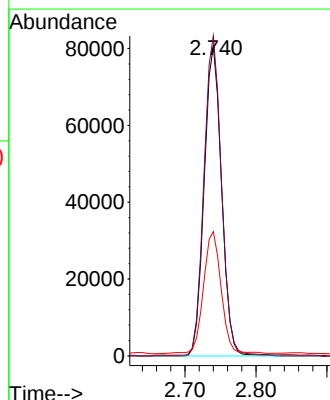
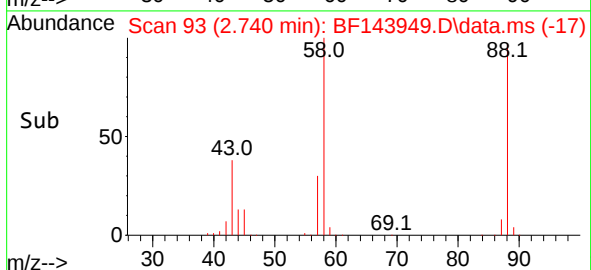
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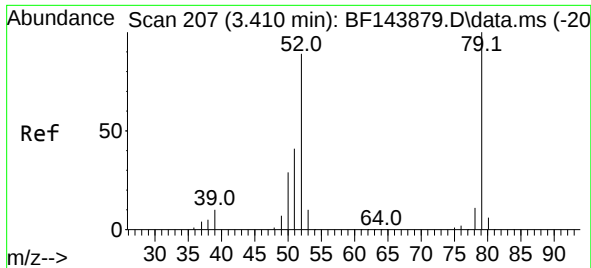


#2
1,4-Dioxane
Concen: 39.495 ng
RT: 2.740 min Scan# 93
Delta R.T. 0.094 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



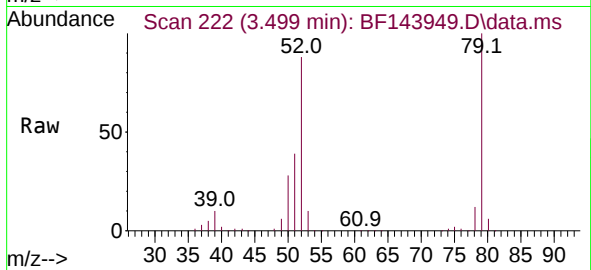
Tgt Ion: 88 Resp: 136708
Ion Ratio Lower Upper
88 100
58 103.2 83.0 124.6
43 40.2 33.9 50.9





#3
Pyridine
Concen: 39.951 ng
RT: 3.499 min Scan# 213
Delta R.T. 0.083 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

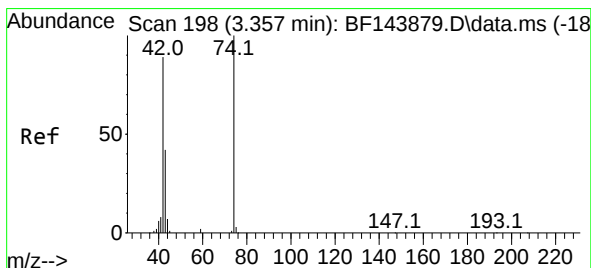
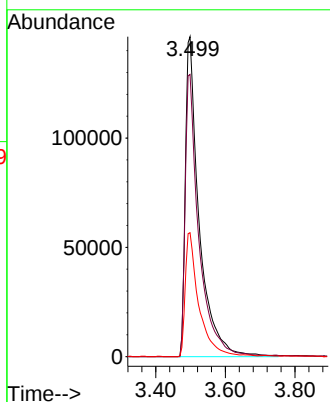
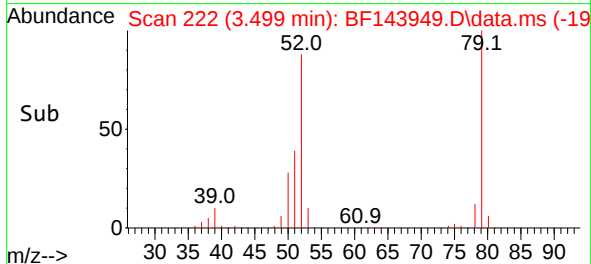
Instrument :
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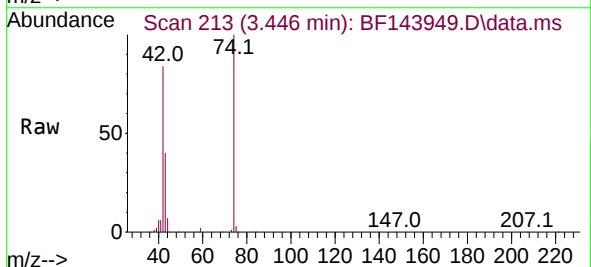
Tgt Ion: 79 Resp: 402572
Ion Ratio Lower Upper
79 100
52 88.2 71.5 107.3
51 38.7 32.9 49.3

Manual Integrations
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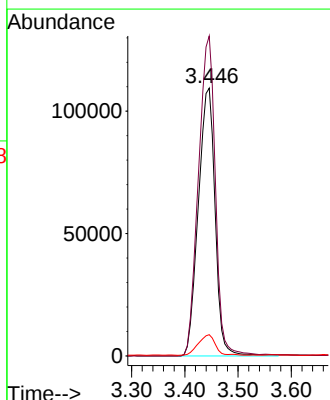
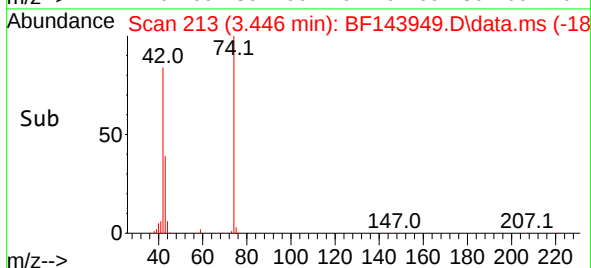
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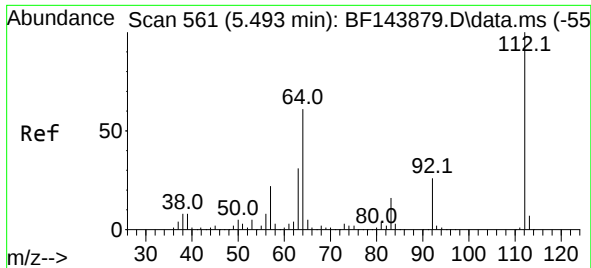


#4
n-Nitrosodimethylamine
Concen: 45.336 ng
RT: 3.446 min Scan# 213
Delta R.T. 0.059 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



Tgt Ion: 42 Resp: 240321
Ion Ratio Lower Upper
42 100
74 119.5 90.0 135.0
44 7.9 6.2 9.2





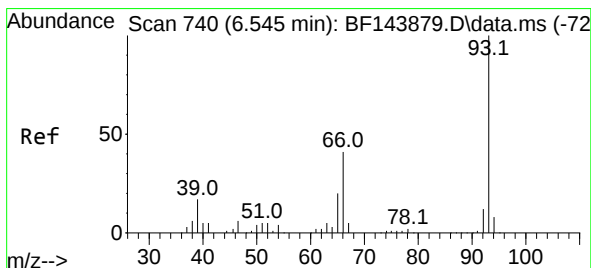
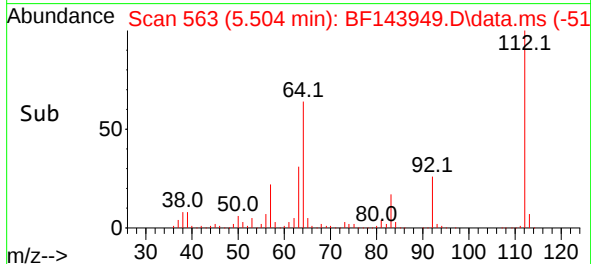
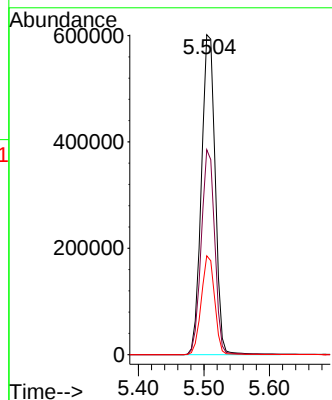
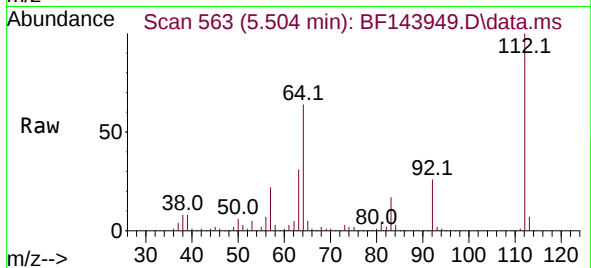
#5
2-Fluorophenol
Concen: 116.679 ng
RT: 5.504 min Scan# 561
Delta R.T. 0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Instrument :
BNA_F
ClientSampleId :
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Tgt Ion:112 Resp: 872776
Ion Ratio Lower Upper
112 100
64 64.0 49.1 73.7
63 30.9 24.5 36.7

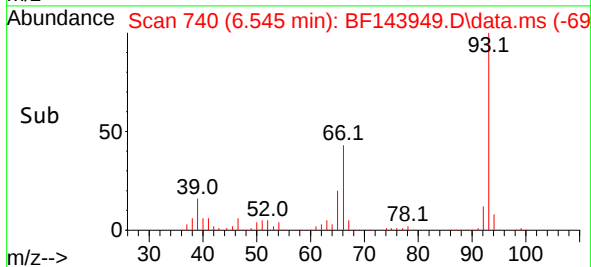
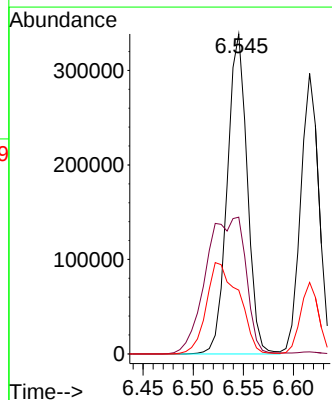
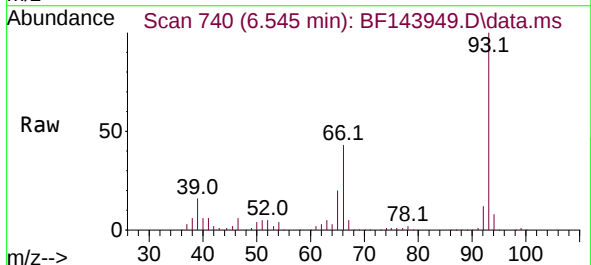
Manual Integrations
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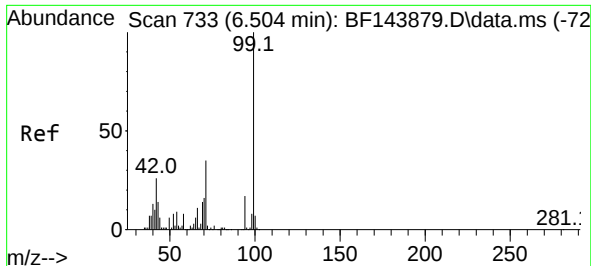
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#6
Aniline
Concen: 35.179 ng
RT: 6.545 min Scan# 740
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

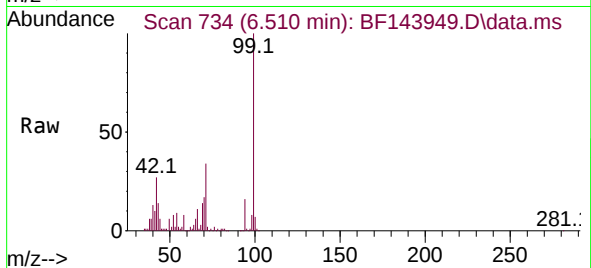
Tgt Ion: 93 Resp: 470002
Ion Ratio Lower Upper
93 100
66 42.7 33.0 49.6
65 19.9 15.8 23.8





#7
Phenol-d6
Concen: 116.105 ng
RT: 6.510 min Scan# 733
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

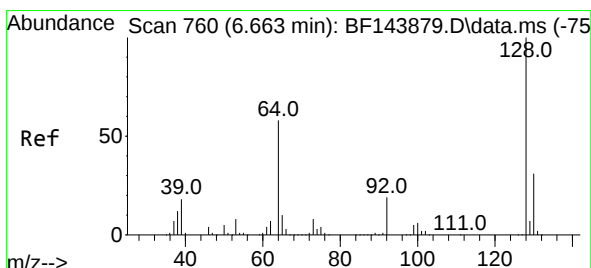
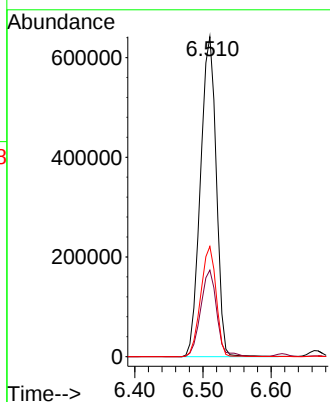
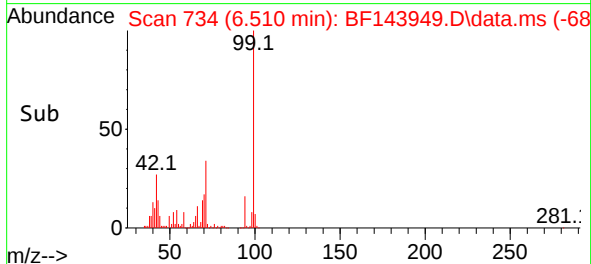
Instrument :
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PB170055BS



Tgt Ion: 99 Resp: 1035190
Ion Ratio Lower Upper
99 100
42 27.0 21.0 31.4
71 34.4 27.8 41.8

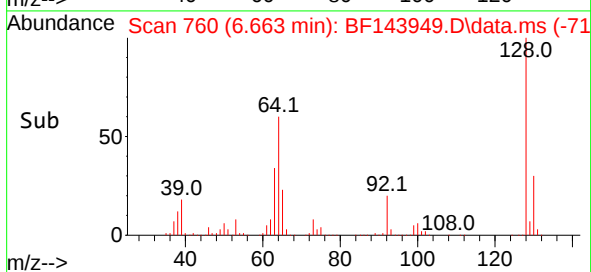
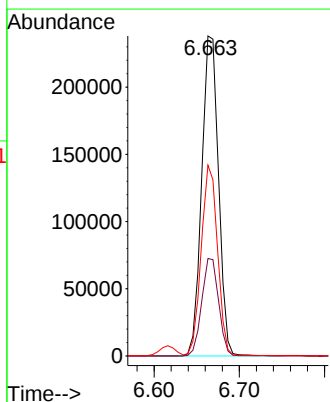
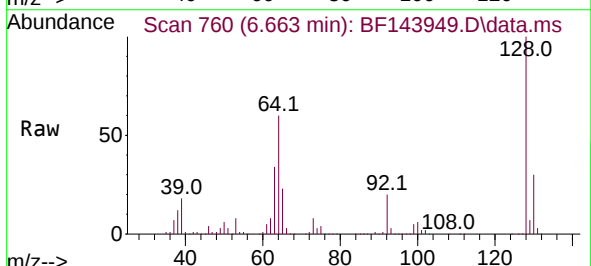
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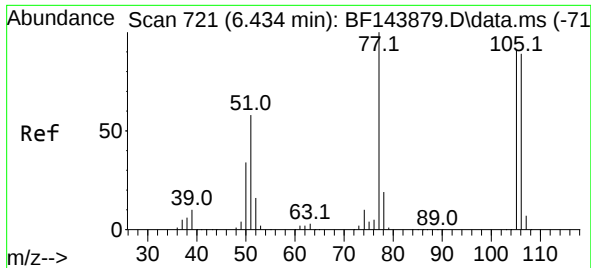
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#8
2-Chlorophenol
Concen: 44.586 ng
RT: 6.663 min Scan# 760
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:128 Resp: 326002
Ion Ratio Lower Upper
128 100
130 30.4 10.7 50.7
64 59.6 39.0 79.0





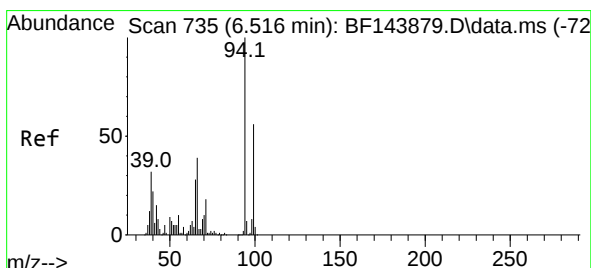
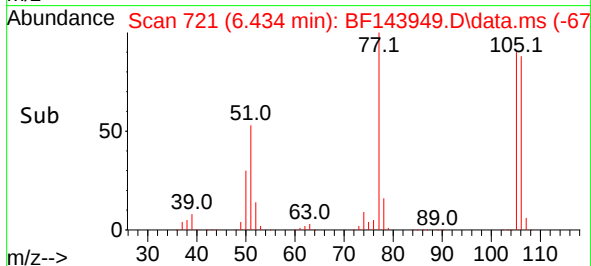
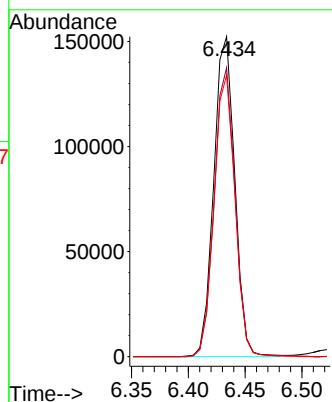
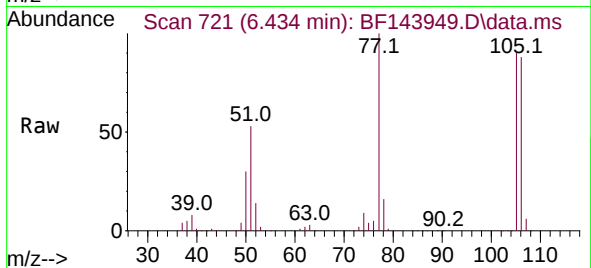
#9
Benzaldehyde
Concen: 28.434 ng
RT: 6.434 min Scan# 721
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Instrument :
BNA_F
ClientSampleId :
PB170055BS

Tgt Ion: 77 Resp: 195562
Ion Ratio Lower Upper
77 100
105 90.3 70.9 110.9
106 88.0 68.9 108.9

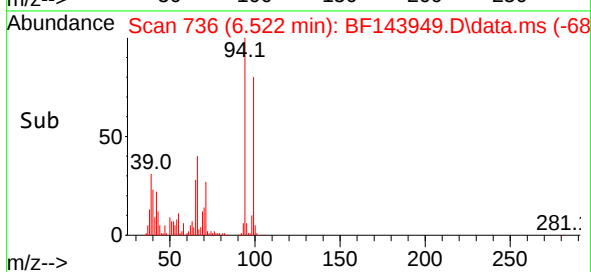
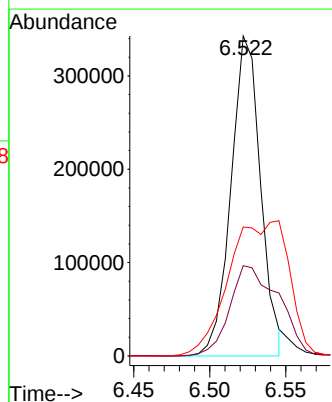
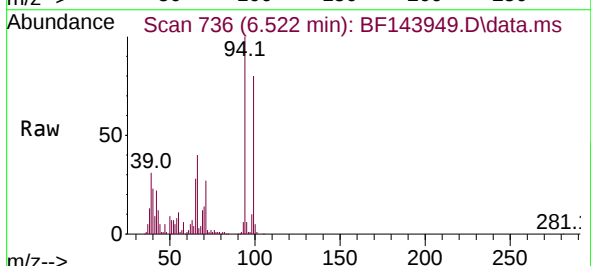
Manual Integrations
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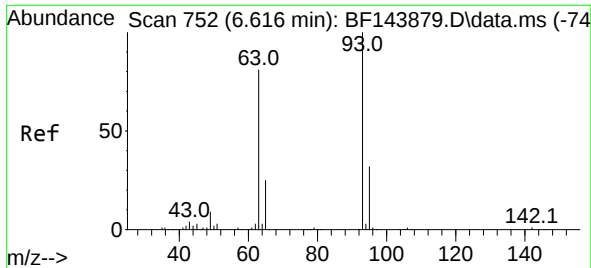
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#10
Phenol
Concen: 43.654 ng m
RT: 6.522 min Scan# 736
Delta R.T. -0.012 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion: 94 Resp: 465315
Ion Ratio Lower Upper
94 100
65 28.2 8.5 48.5
66 40.3 19.9 59.9





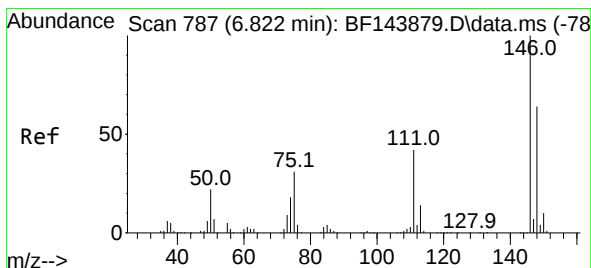
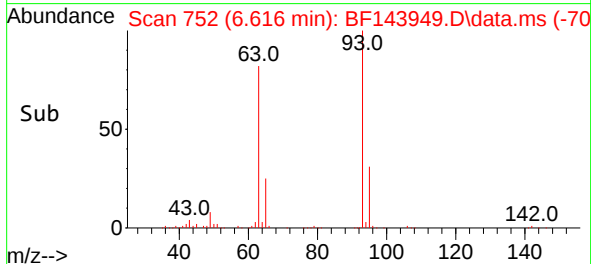
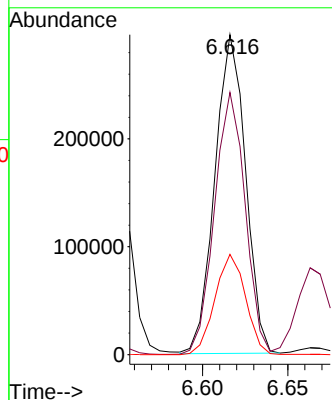
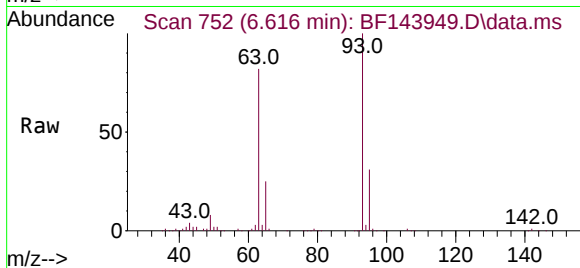
#11
bis(2-Chloroethyl)ether
Concen: 44.938 ng
RT: 6.616 min Scan# 752
Delta R.T. -0.012 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Instrument :
BNA_F
ClientSampleId :
PB170055BS

Tgt Ion: 93 Resp: 370017
Ion Ratio Lower Upper
93 100
63 81.9 60.9 100.9
95 31.3 11.5 51.5

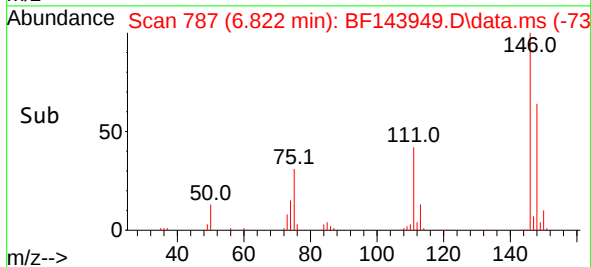
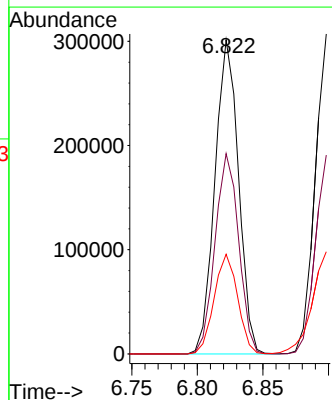
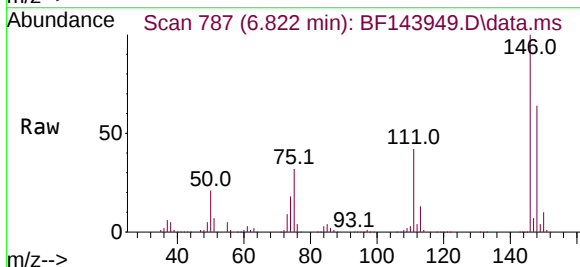
Manual Integrations
APPROVED

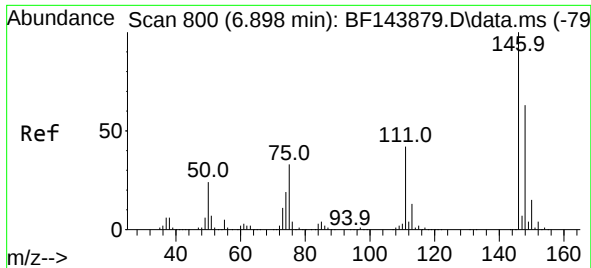
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#12
1,3-Dichlorobenzene
Concen: 43.157 ng
RT: 6.822 min Scan# 787
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:146 Resp: 377727
Ion Ratio Lower Upper
146 100
148 63.7 51.0 76.4
75 31.7 24.9 37.3





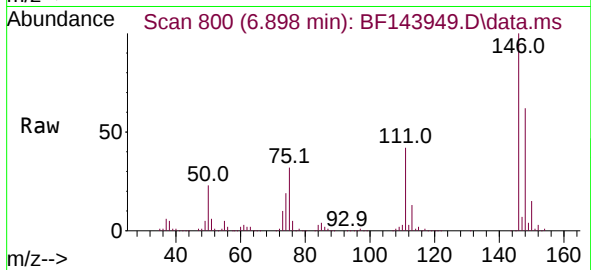
#13
1,4-Dichlorobenzene
Concen: 44.093 ng
RT: 6.898 min Scan# 800
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

PB170055BS

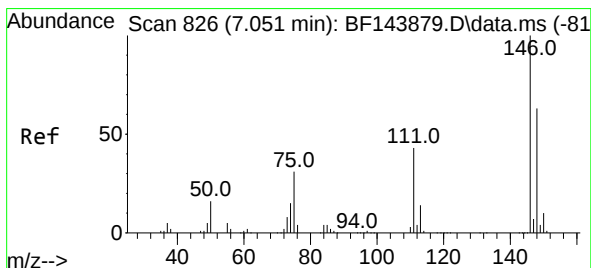
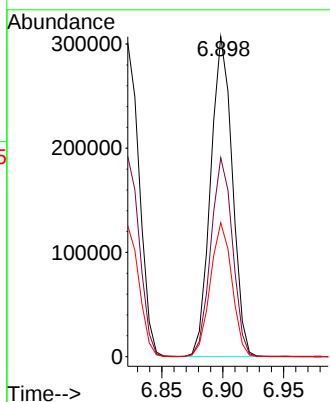
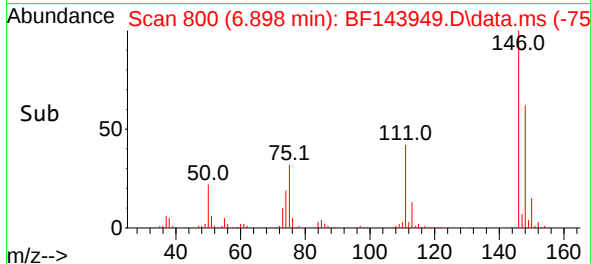


Tgt Ion:146 Resp: 380675
Ion Ratio Lower Upper
146 100
148 62.1 50.5 75.7
111 41.8 33.4 50.0

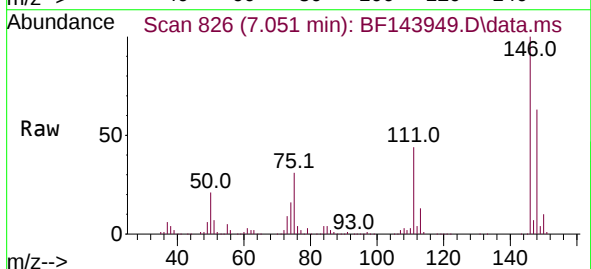
Manual Integrations

APPROVED

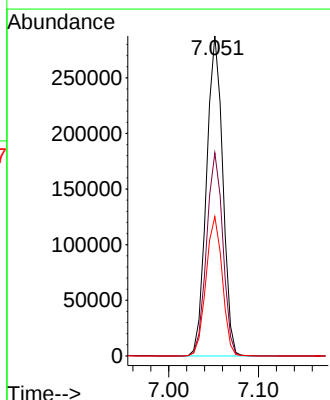
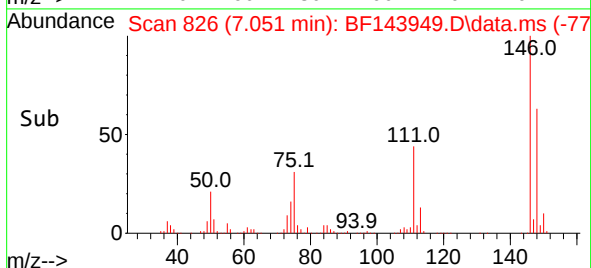
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

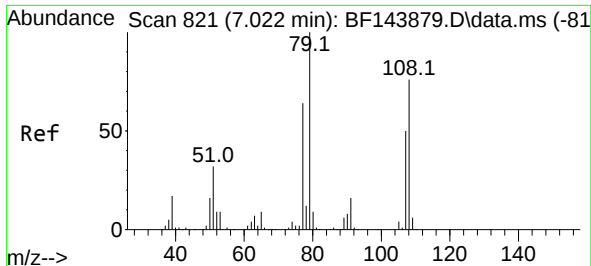


#14
1,2-Dichlorobenzene
Concen: 43.998 ng
RT: 7.051 min Scan# 826
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



Tgt Ion:146 Resp: 363836
Ion Ratio Lower Upper
146 100
148 63.5 50.6 75.8
111 43.5 34.6 51.8





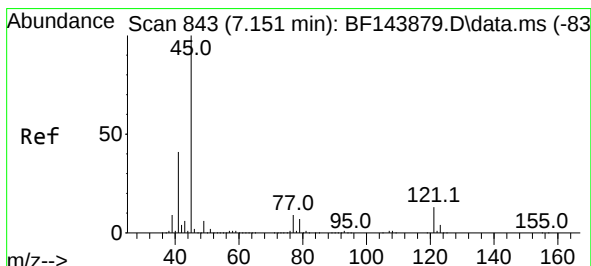
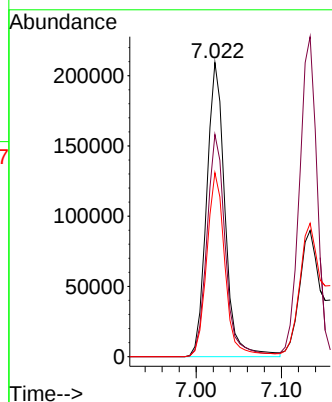
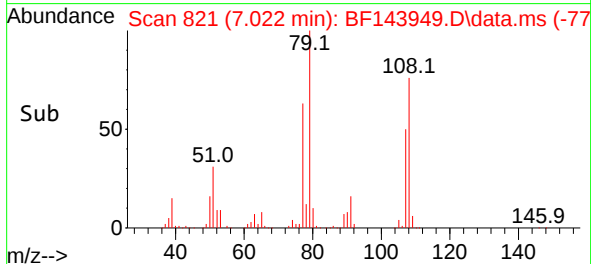
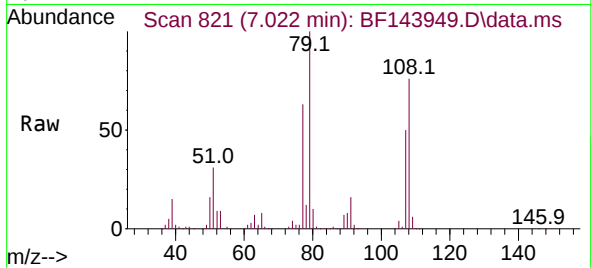
#15
Benzyl Alcohol
Concen: 46.760 ng
RT: 7.022 min Scan# 821
Delta R.T. -0.012 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Instrument :
BNA_F
ClientSampleId :
PB170055BS

Tgt Ion: 79 Resp: 312374
Ion Ratio Lower Upper
79 100
108 75.5 60.8 91.2
77 62.6 51.0 76.6

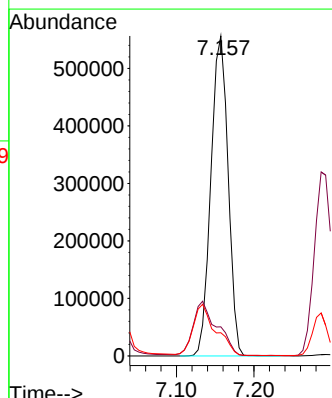
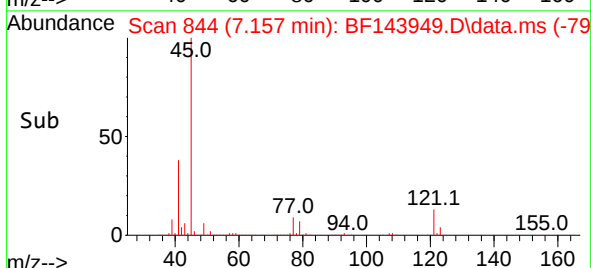
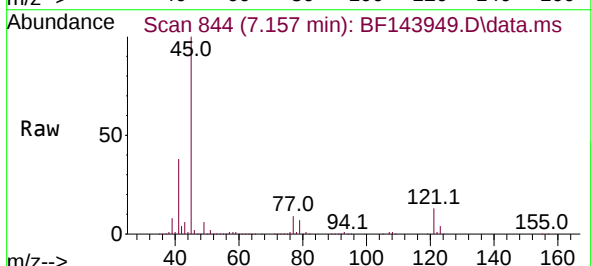
Manual Integrations
APPROVED

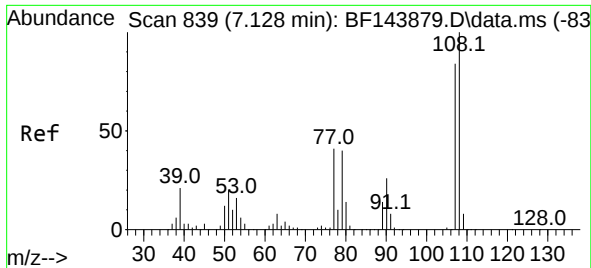
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 45.746 ng
RT: 7.157 min Scan# 844
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

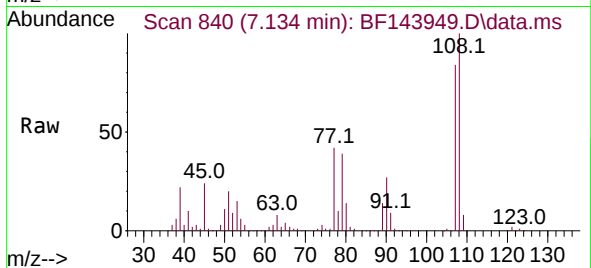
Tgt Ion: 45 Resp: 857401
Ion Ratio Lower Upper
45 100
77 9.1 0.0 29.0
79 7.2 0.0 26.8





#17
2-Methylphenol
Concen: 45.365 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

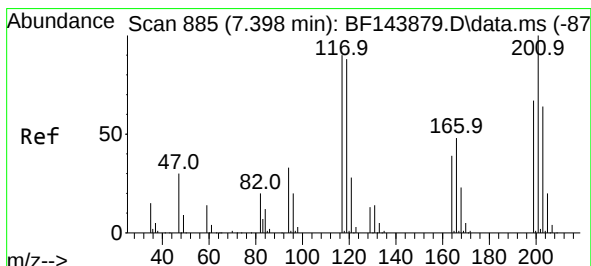
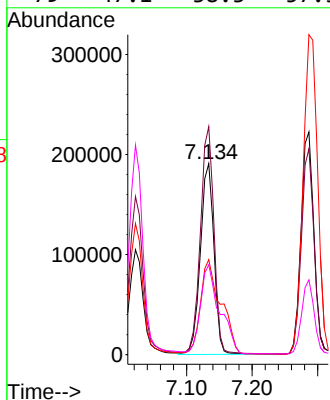
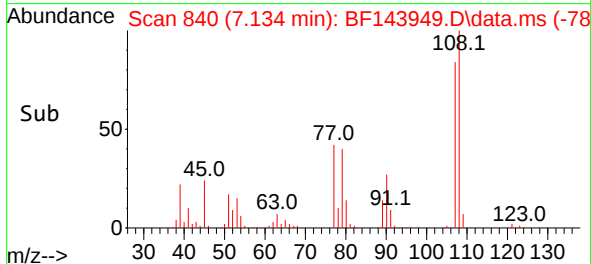
Instrument :
BNA_F
ClientSampleId :
PB170055BS



Tgt Ion:107 Resp: 274129
Ion Ratio Lower Upper
107 100
108 119.4 94.7 142.1
77 49.7 38.8 58.2
79 47.1 38.3 57.5

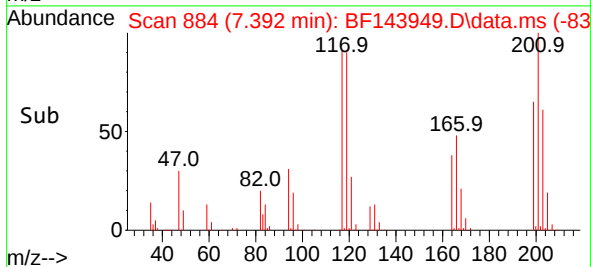
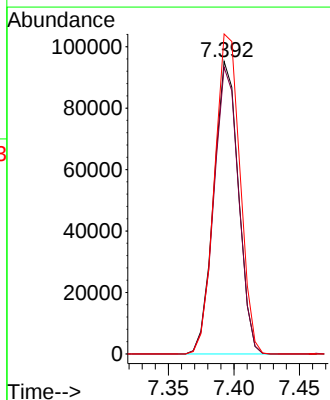
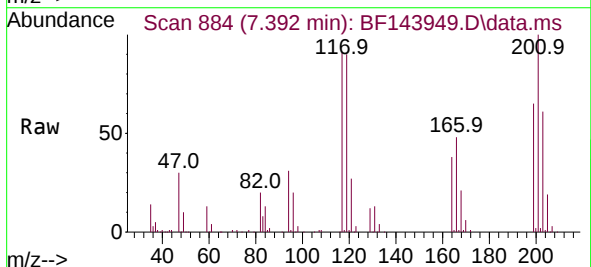
Manual Integrations
APPROVED

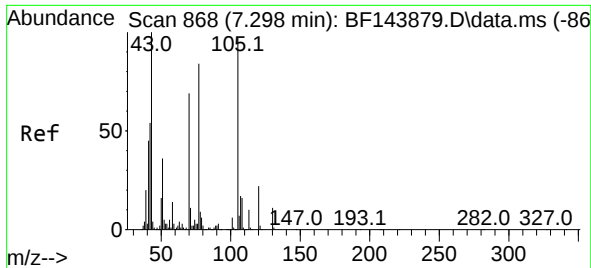
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#18
Hexachloroethane
Concen: 43.220 ng
RT: 7.392 min Scan# 884
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

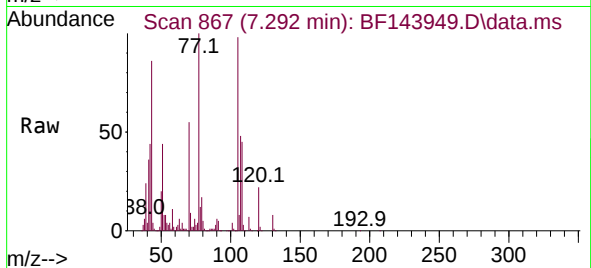
Tgt Ion:117 Resp: 124439
Ion Ratio Lower Upper
117 100
119 98.0 77.8 116.8
201 109.4 88.5 132.7





#19
n-Nitroso-di-n-propylamine
Concen: 42.626 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.023 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

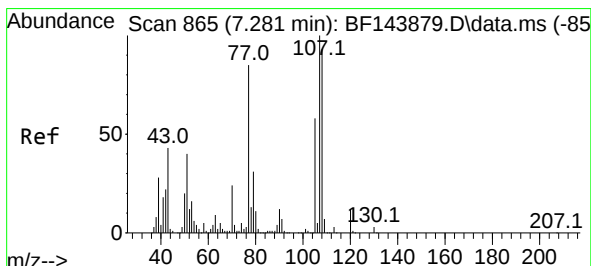
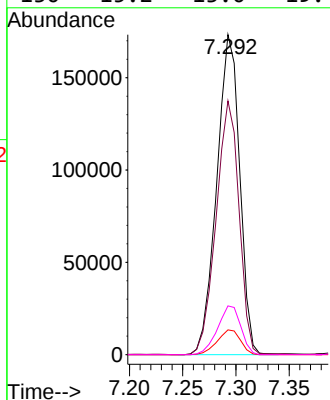
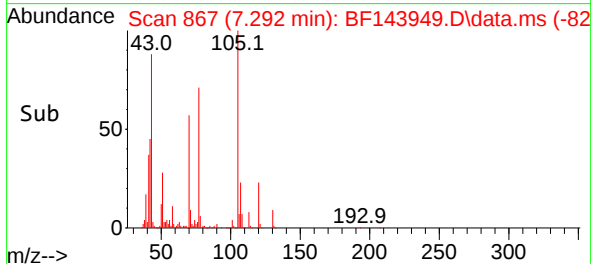
Instrument :
BNA_F
ClientSampleId :
PB170055BS



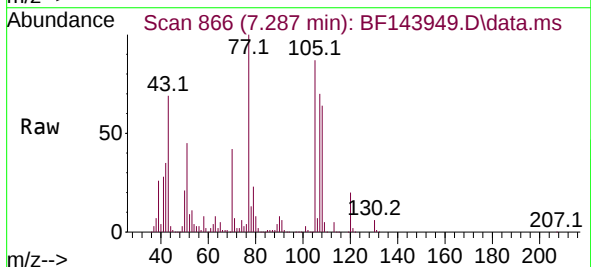
Tgt Ion: 70 Resp: 260148
Ion Ratio Lower Upper
70 100
42 79.3 62.8 94.2
101 7.7 6.7 10.1
130 15.2 13.0 19.4

Manual Integrations
APPROVED

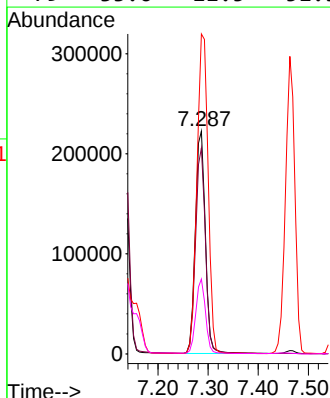
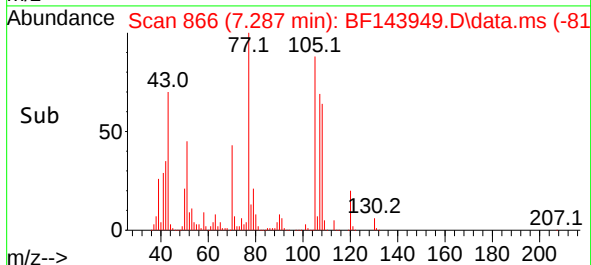
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

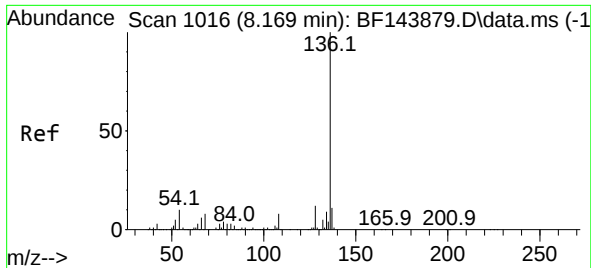


#20
3+4-Methylphenols
Concen: 43.906 ng
RT: 7.287 min Scan# 866
Delta R.T. -0.012 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



Tgt Ion:107 Resp: 307492
Ion Ratio Lower Upper
107 100
108 92.5 73.0 113.0
77 143.7 64.6 104.6#
79 33.6 11.5 51.5





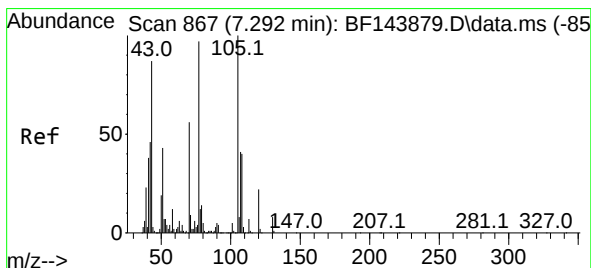
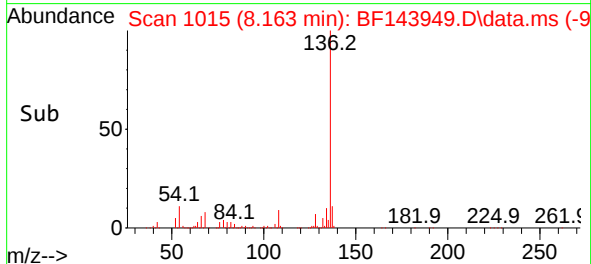
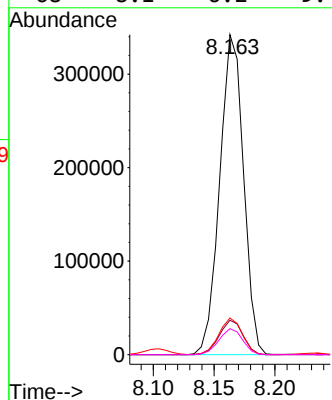
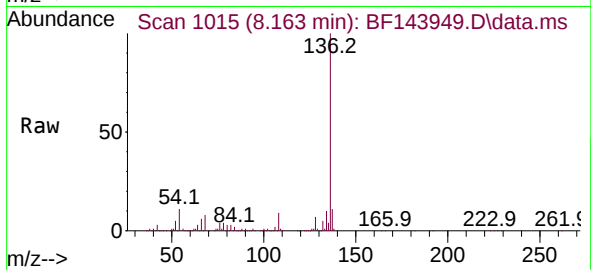
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1016
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Instrument :
BNA_F
ClientSampleId :
PB170055BS

Tgt Ion:136	Resp: 465023
Ion Ratio	Lower Upper
136 100	
137 10.7	8.5 12.7
54 11.4	8.2 12.4
68 8.1	6.2 9.4

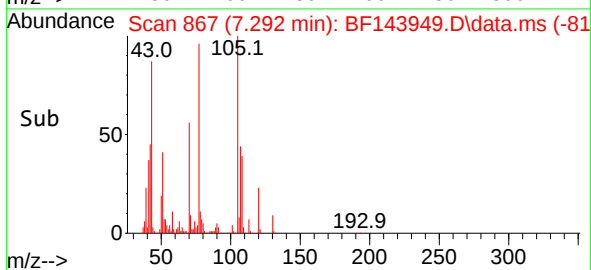
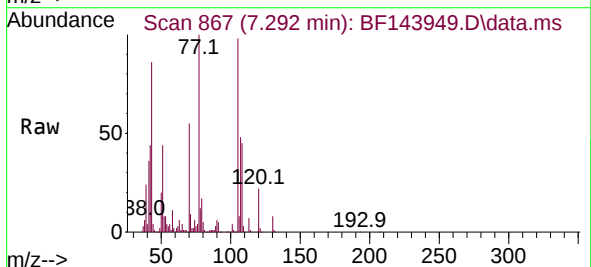
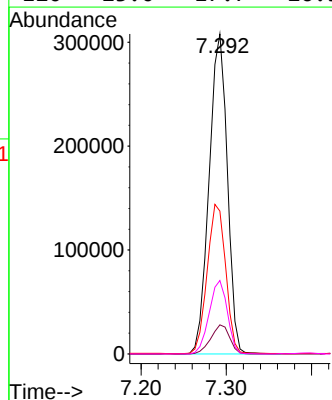
Manual Integrations
APPROVED

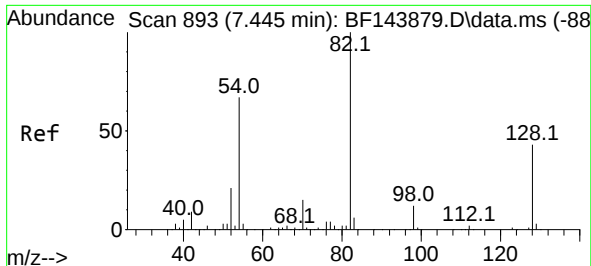
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#22
Acetophenone
Concen: 46.453 ng
RT: 7.292 min Scan# 867
Delta R.T. -0.012 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:105	Resp: 456756
Ion Ratio	Lower Upper
105 100	
71 9.1	7.4 11.0
51 44.6	34.2 51.4
120 23.0	17.7 26.5





#23

Nitrobenzene-d5

Concen: 86.564 ng

RT: 7.445 min Scan# 893

Delta R.T. -0.012 min

Lab File: BF143949.D

Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

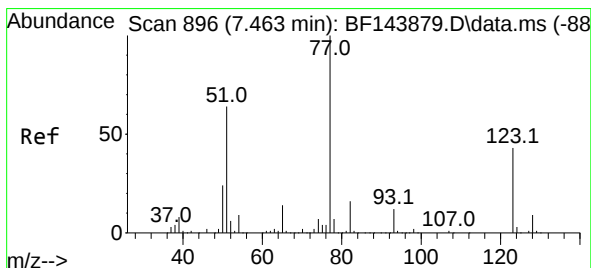
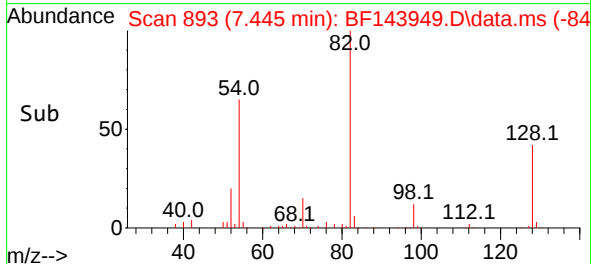
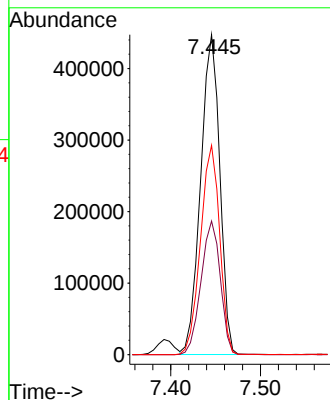
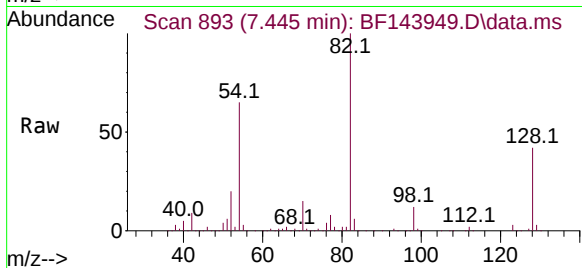
PB170055BS

Tgt Ion: 82 Resp: 662572
 Ion Ratio Lower Upper
 82 100
 128 41.7 34.0 51.0
 54 65.4 53.2 79.8

Manual Integrations

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Reviewed By :Jagrut Upadhyay 10/14/2025
 Supervised By :mohammad ahmed 10/17/2025



#24

Nitrobenzene

Concen: 45.578 ng

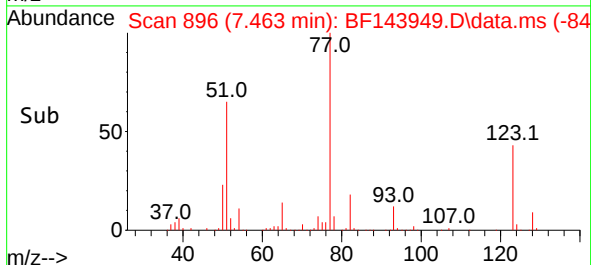
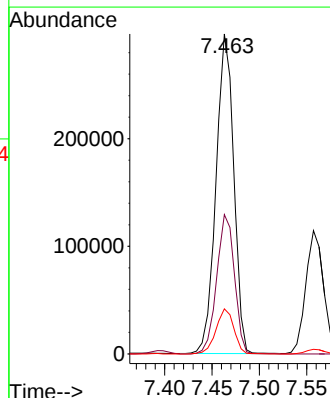
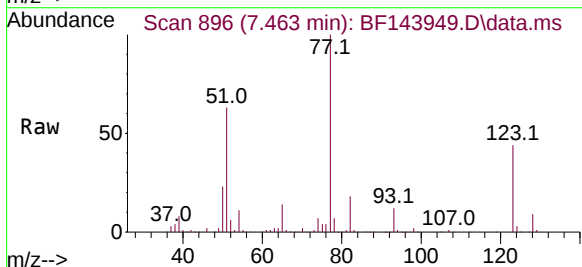
RT: 7.463 min Scan# 896

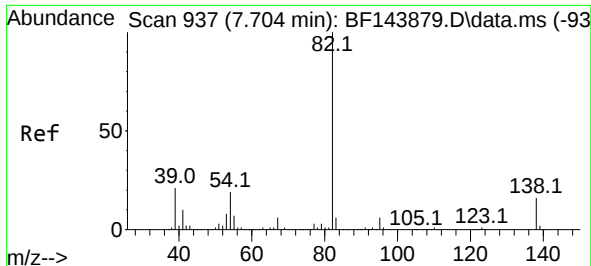
Delta R.T. -0.012 min

Lab File: BF143949.D

Acq: 14 Oct 2025 16:13

Tgt Ion: 77 Resp: 387411
 Ion Ratio Lower Upper
 77 100
 123 43.5 34.2 51.4
 65 14.1 11.0 16.6





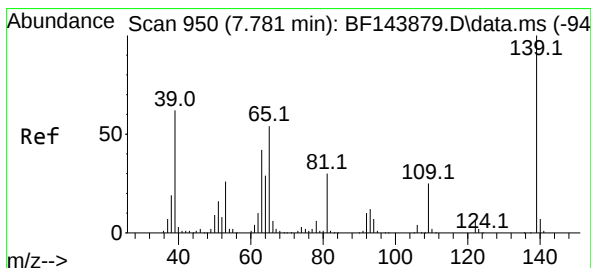
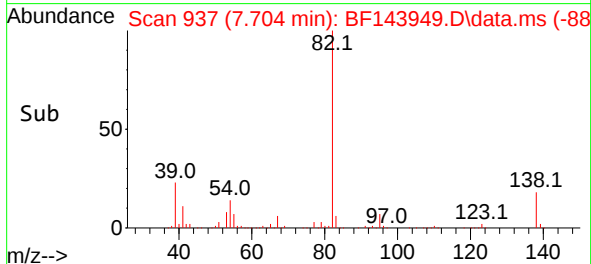
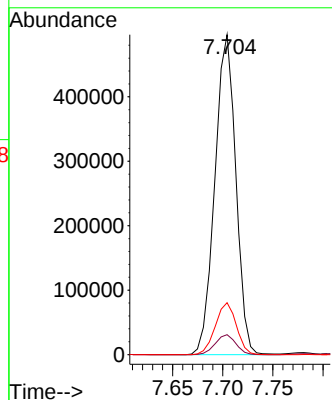
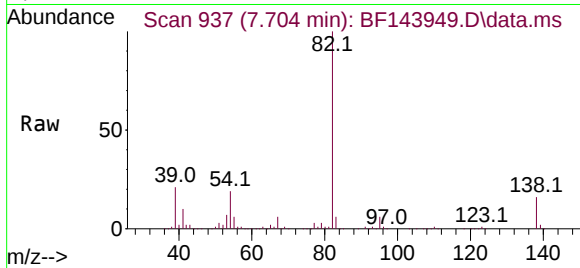
#25
Isophorone
Concen: 44.854 ng
RT: 7.704 min Scan# 937
Delta R.T. -0.018 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Instrument :
BNA_F
ClientSampleId :
PB170055BS

Tgt Ion: 82 Resp: 723901
Ion Ratio Lower Upper
82 100
95 6.2 5.1 7.7
138 16.2 12.9 19.3

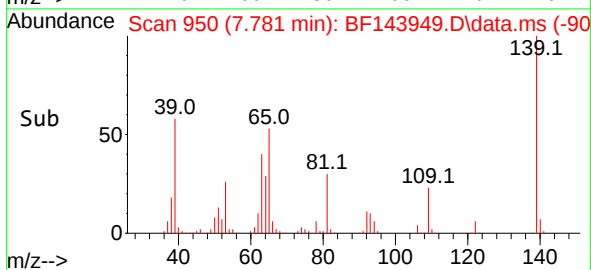
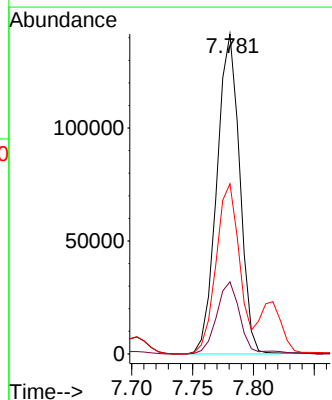
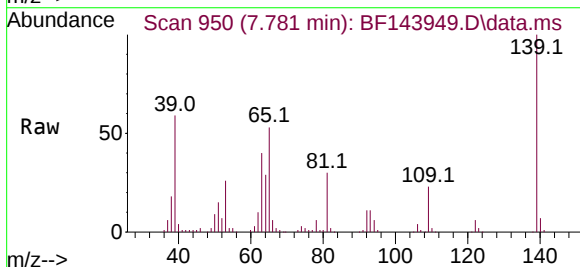
Manual Integrations
APPROVED

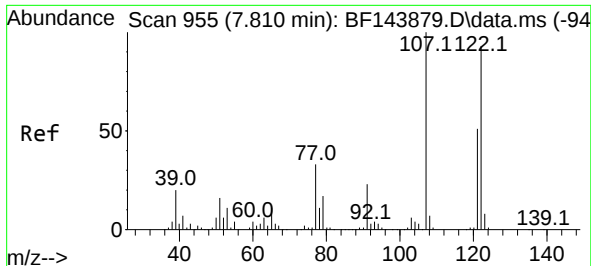
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#26
2-Nitrophenol
Concen: 50.871 ng
RT: 7.781 min Scan# 950
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:139 Resp: 185383
Ion Ratio Lower Upper
139 100
109 22.5 19.8 29.6
65 53.2 42.9 64.3





#27
2,4-Dimethylphenol
Concen: 48.575 ng
RT: 7.816 min Scan# 91
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

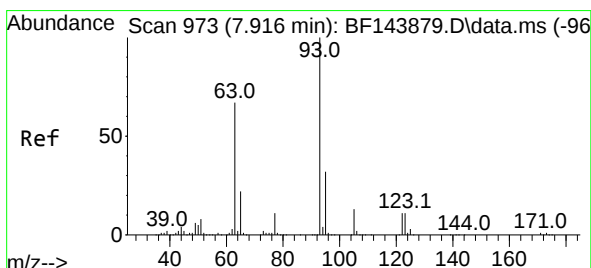
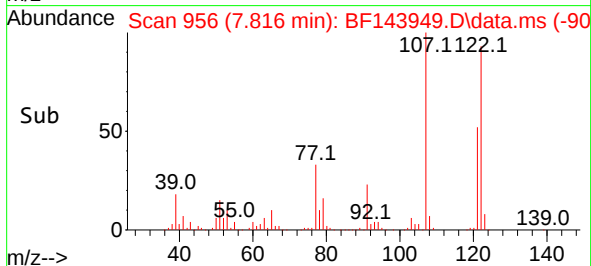
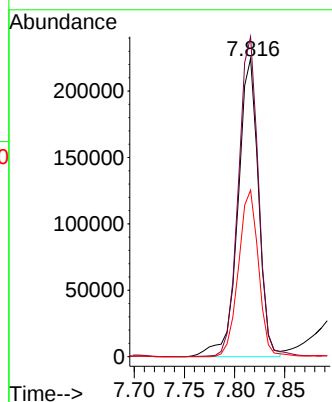
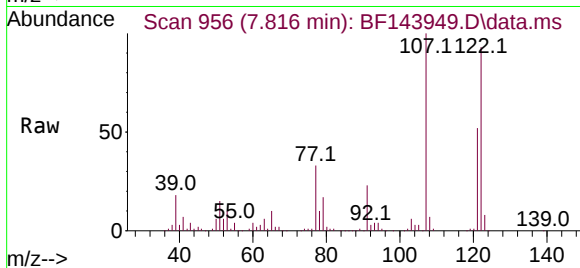
PB170055BS

Tgt Ion:122 Resp: 318432
Ion Ratio Lower Upper
122 100
107 107.3 86.1 129.1
121 55.8 43.8 65.6

Manual Integrations

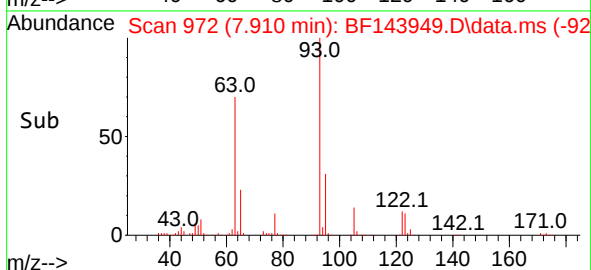
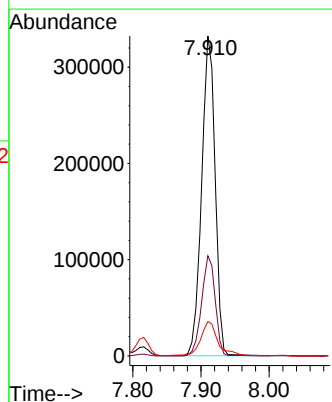
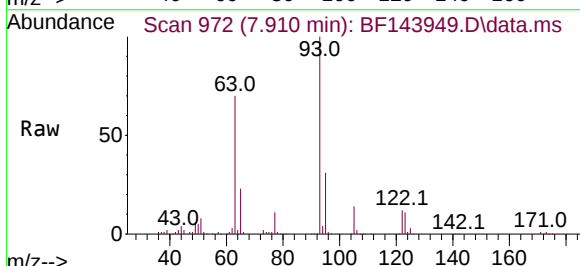
APPROVED

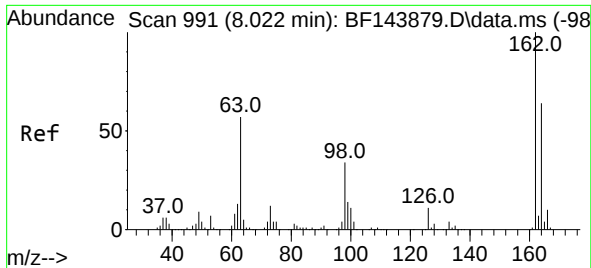
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#28
bis(2-Chloroethoxy)methane
Concen: 44.846 ng
RT: 7.910 min Scan# 972
Delta R.T. -0.012 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion: 93 Resp: 457201
Ion Ratio Lower Upper
93 100
95 31.3 25.9 38.9
123 10.7 9.4 14.0





#29

2,4-Dichlorophenol

Concen: 44.016 ng

RT: 8.022 min Scan# 991

Delta R.T. -0.006 min

Lab File: BF143949.D

Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

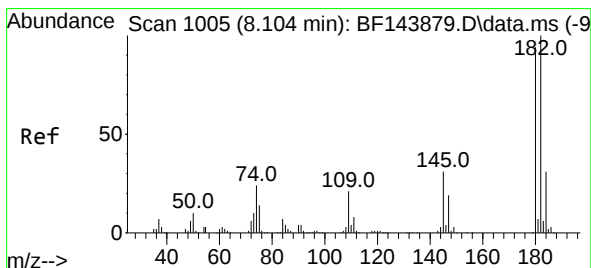
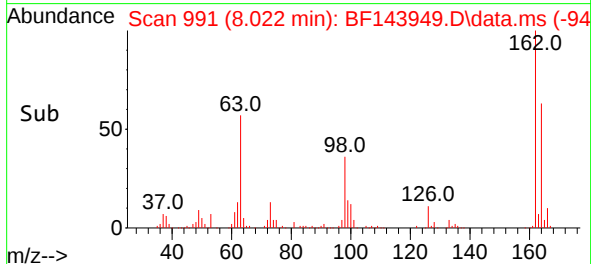
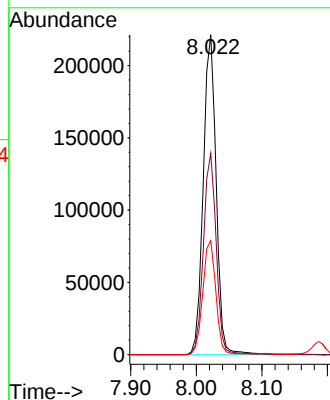
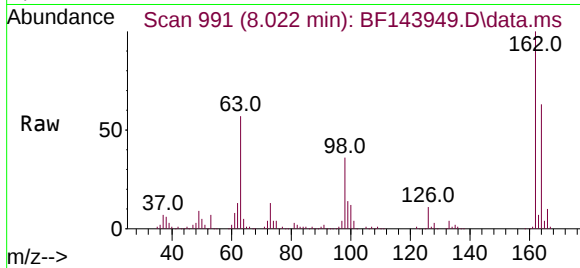
PB170055BS

Tgt Ion:	162	Resp:	300552
Ion Ratio	Lower	Upper	
162	100		
164	62.9	43.9	83.9
98	35.6	14.4	54.4

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#30

1,2,4-Trichlorobenzene

Concen: 44.730 ng

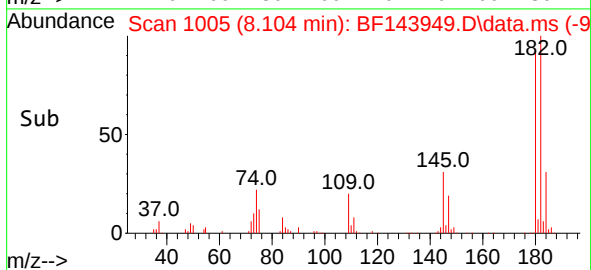
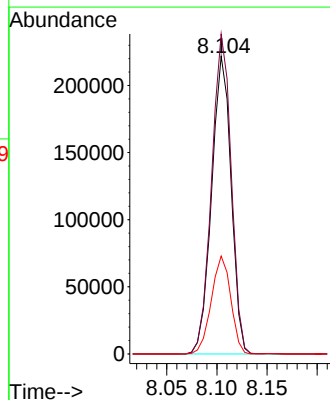
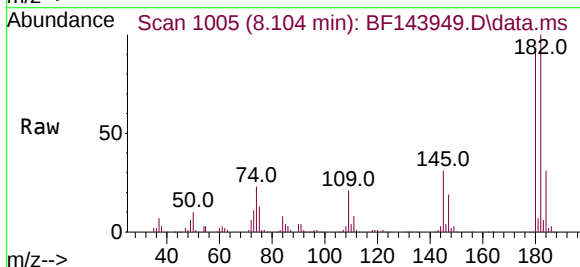
RT: 8.104 min Scan# 1005

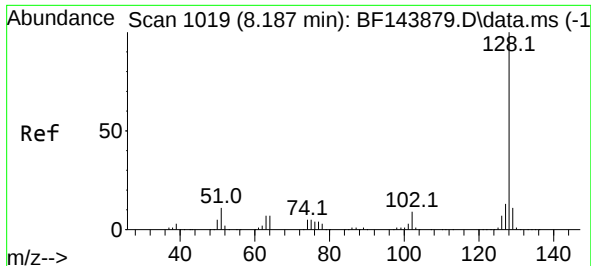
Delta R.T. -0.006 min

Lab File: BF143949.D

Acq: 14 Oct 2025 16:13

Tgt Ion:	180	Resp:	300386
Ion Ratio	Lower	Upper	
180	100		
182	107.4	85.4	128.0
145	32.8	26.3	39.5





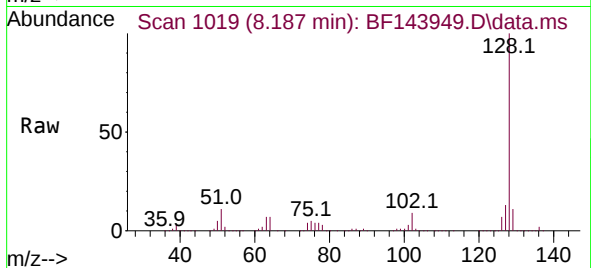
#31
Naphthalene
Concen: 42.827 ng
RT: 8.187 min Scan# 1019
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

PB170055BS

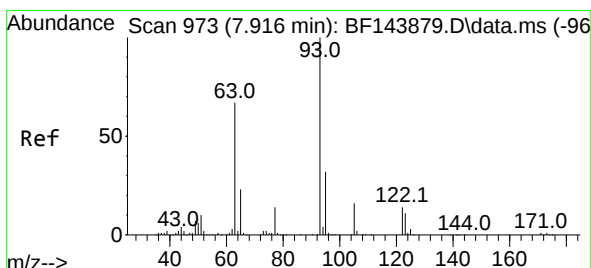
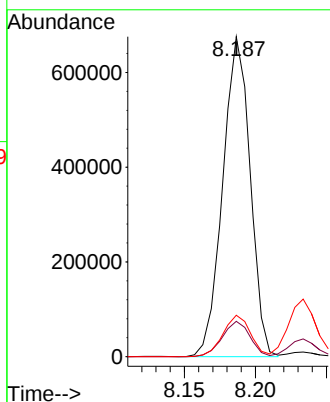
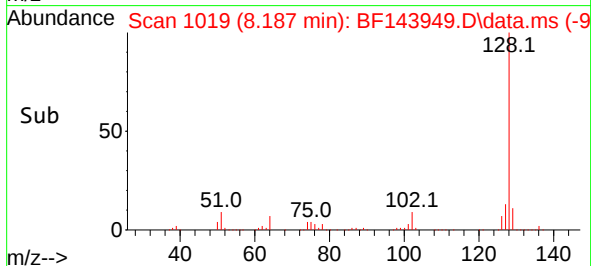


Tgt Ion:128 Resp: 905947
Ion Ratio Lower Upper
128 100
129 11.0 8.7 13.1
127 12.9 10.0 15.0

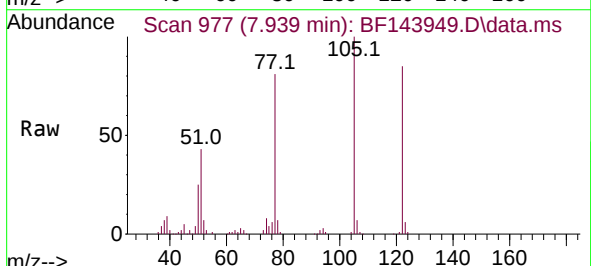
Manual Integrations

APPROVED

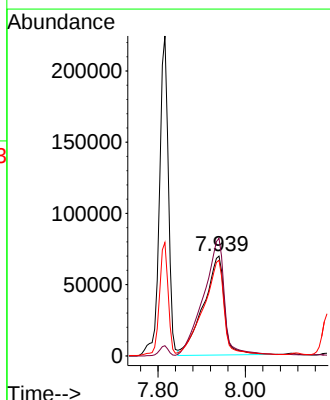
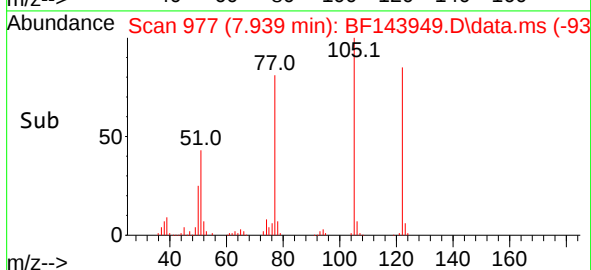
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

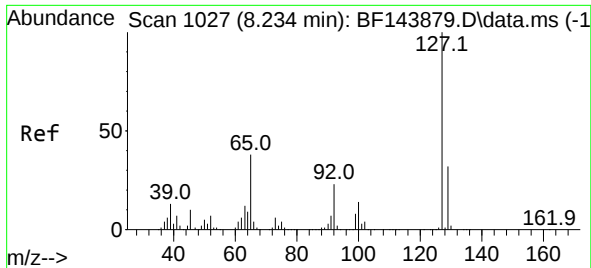


#32
Benzoic acid
Concen: 51.267 ng
RT: 7.939 min Scan# 977
Delta R.T. -0.023 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



Tgt Ion:122 Resp: 232590
Ion Ratio Lower Upper
122 100
105 117.9 93.5 133.5
77 95.8 76.3 116.3





#33
4-Chloroaniline
Concen: 21.248 ng
RT: 8.234 min Scan# 1027
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

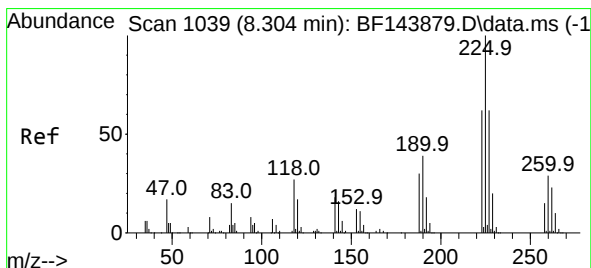
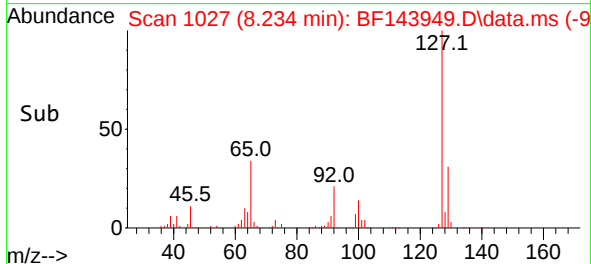
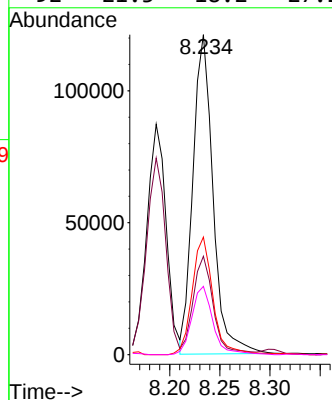
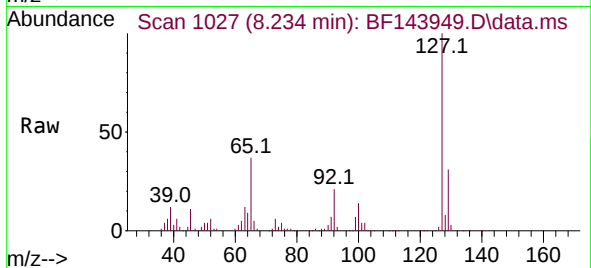
ClientSampleId :

PB170055BS

Tgt Ion:127 Resp: 168571
Ion Ratio Lower Upper
127 100
129 30.7 25.8 38.8
65 36.7 30.0 45.0
92 21.3 18.2 27.2

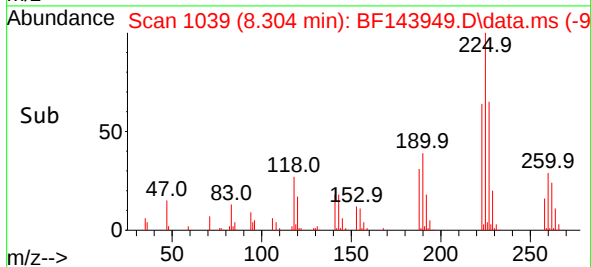
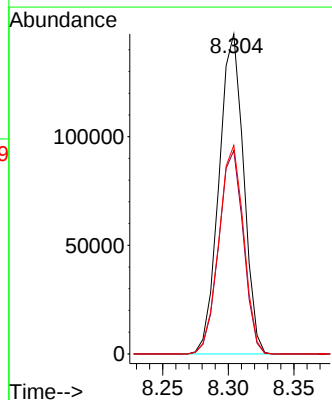
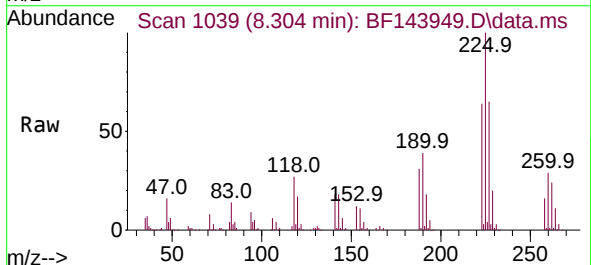
Manual Integrations
APPROVED

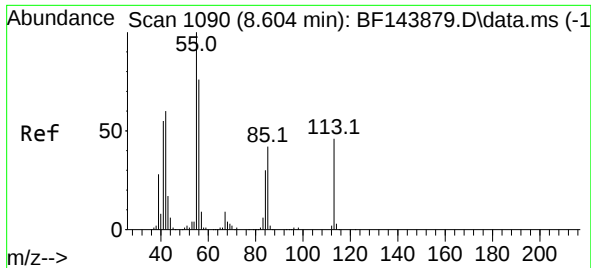
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#34
Hexachlorobutadiene
Concen: 41.250 ng
RT: 8.304 min Scan# 1039
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

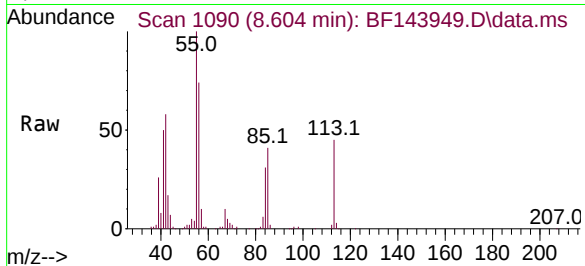
Tgt Ion:225 Resp: 192496
Ion Ratio Lower Upper
225 100
223 63.5 49.4 74.2
227 65.2 49.7 74.5





#35
Caprolactam
Concen: 47.132 ng m
RT: 8.604 min Scan# 1090
Delta R.T. -0.041 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

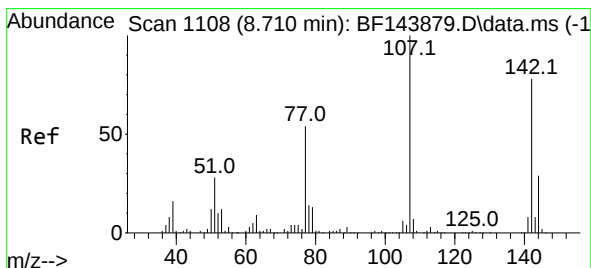
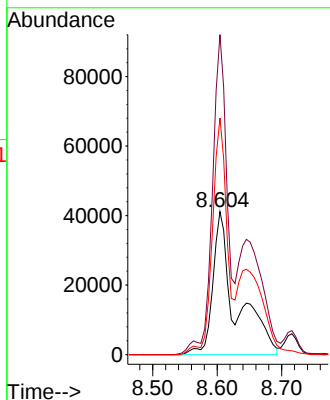
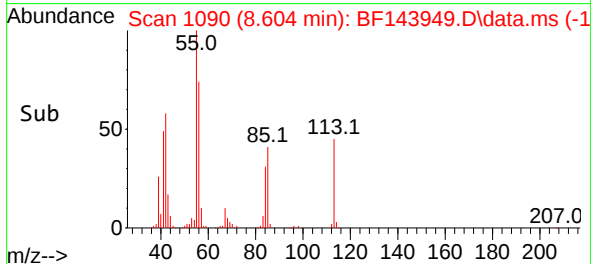
Instrument :
BNA_F
ClientSampleId :
PB170055BS



Tgt Ion:113 Resp: 102329
Ion Ratio Lower Upper
113 100
55 223.8 199.6 239.6
56 165.4 146.0 186.0

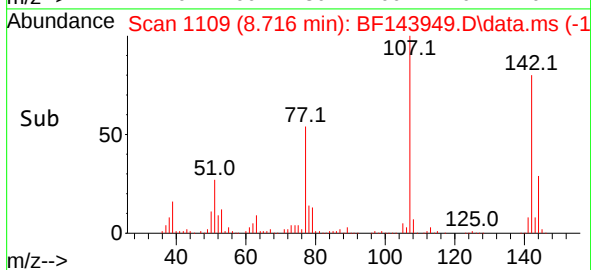
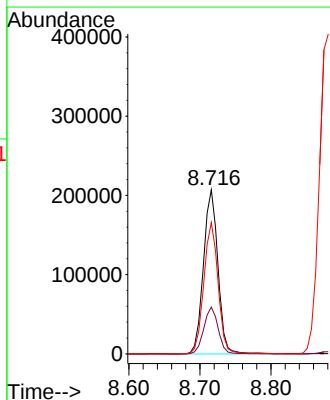
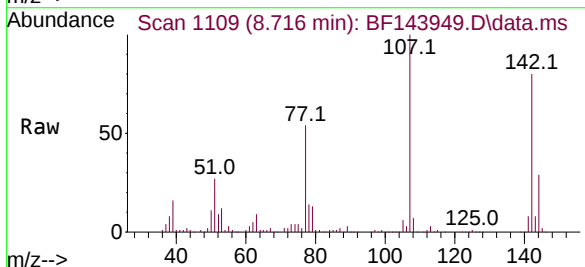
Manual Integrations
APPROVED

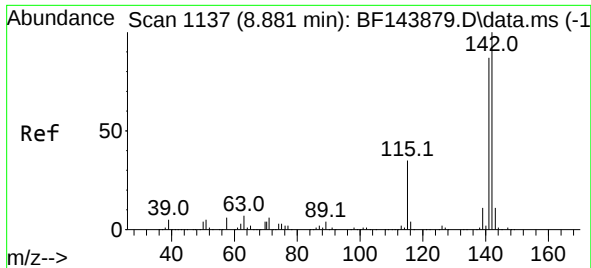
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#36
4-Chloro-3-methylphenol
Concen: 44.626 ng
RT: 8.716 min Scan# 1109
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:107 Resp: 292710
Ion Ratio Lower Upper
107 100
144 28.5 23.1 34.7
142 80.0 62.6 94.0





#37
2-Methylnaphthalene
Concen: 39.091 ng
RT: 8.881 min Scan# 1137
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

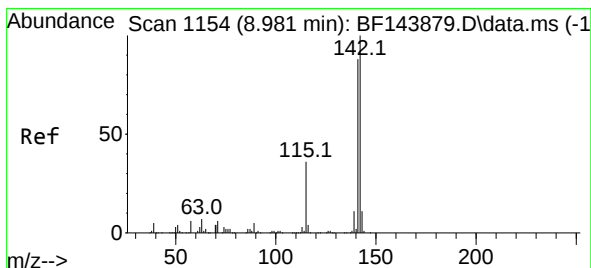
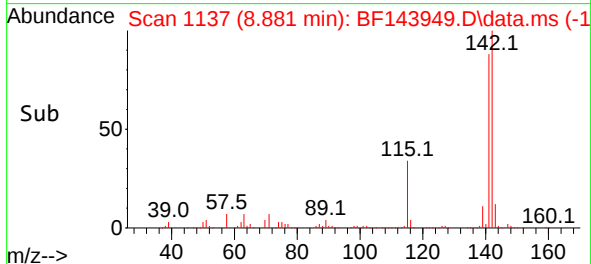
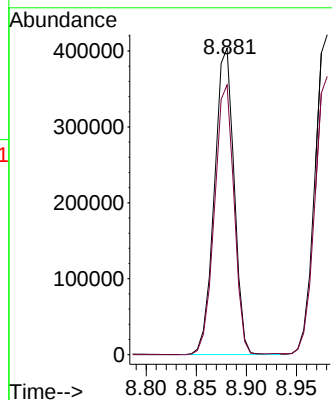
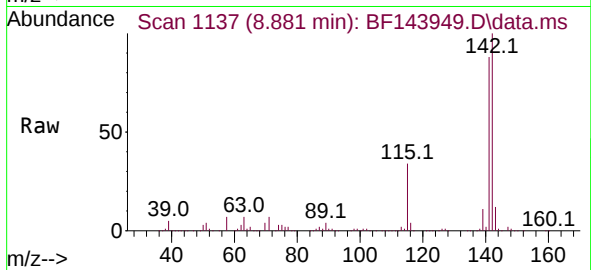
PB170055BS

Tgt Ion:142 Resp: 550824
Ion Ratio Lower Upper
142 100
141 88.0 69.2 103.8

Manual Integrations

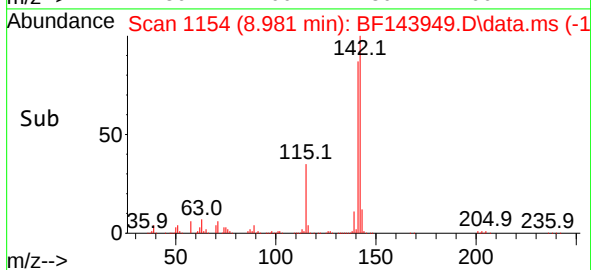
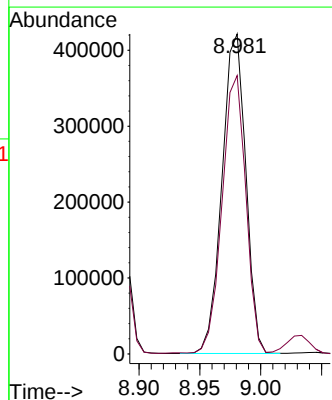
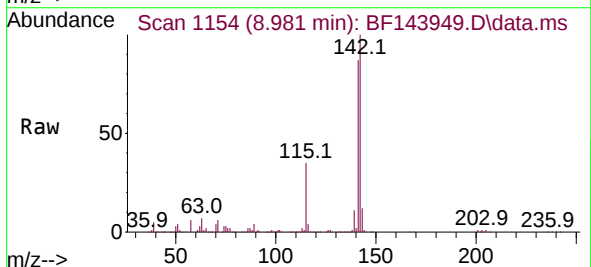
APPROVED

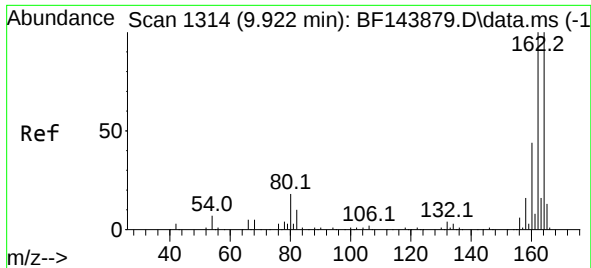
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#38
1-Methylnaphthalene
Concen: 41.830 ng
RT: 8.981 min Scan# 1154
Delta R.T. -0.005 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:142 Resp: 571719
Ion Ratio Lower Upper
142 100
141 87.0 70.8 106.2





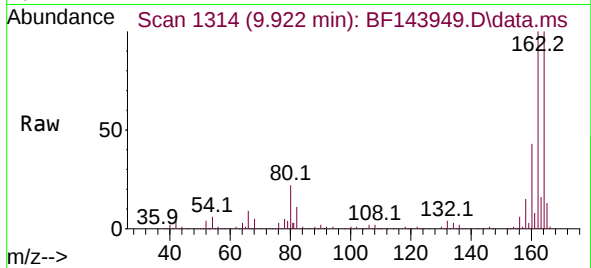
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1314
Delta R.T. -0.005 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

PB170055BS

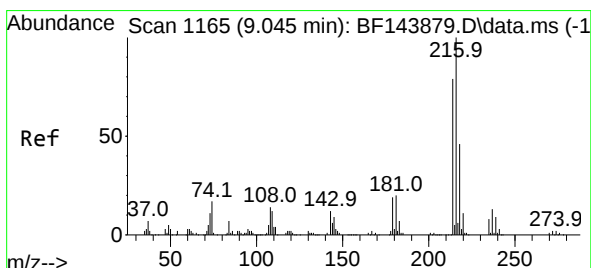
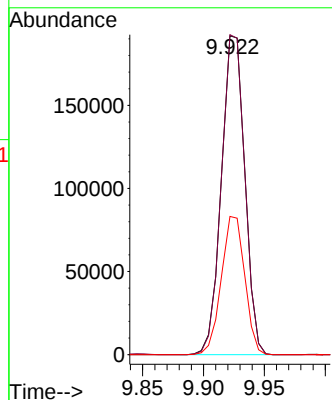
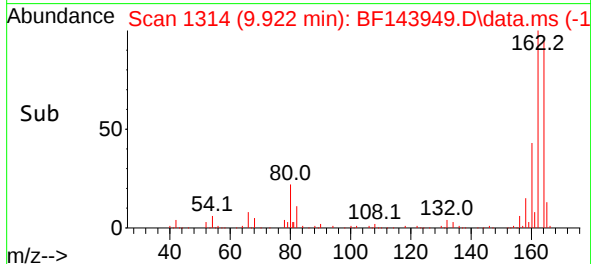


Tgt Ion:164 Resp: 256823
Ion Ratio Lower Upper
164 100
162 100.4 80.2 120.2
160 43.3 35.4 53.0

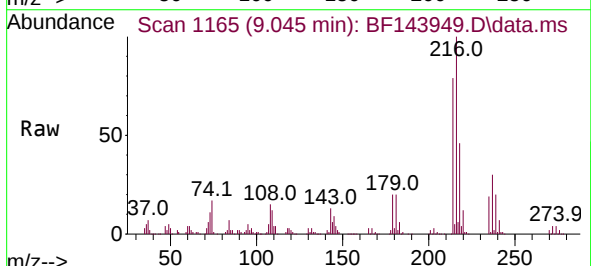
Manual Integrations

APPROVED

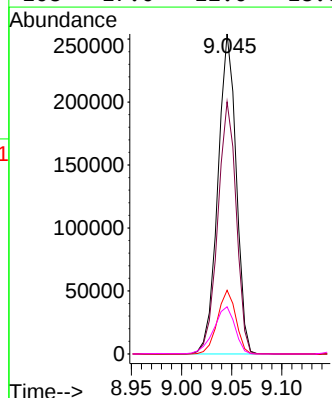
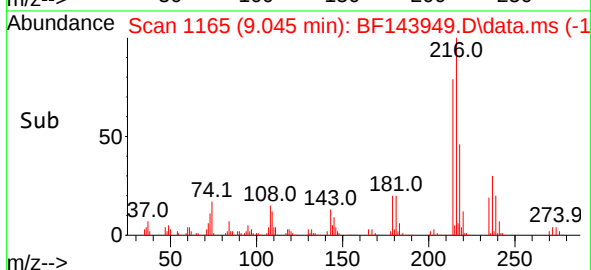
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

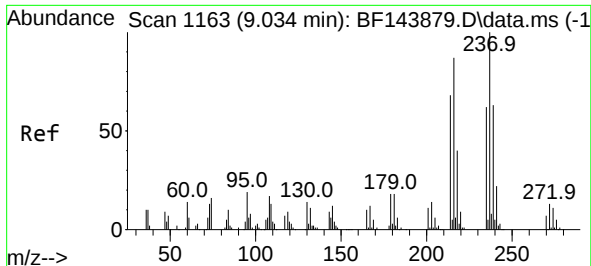


#40
1,2,4,5-Tetrachlorobenzene
Concen: 45.618 ng
RT: 9.045 min Scan# 1165
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



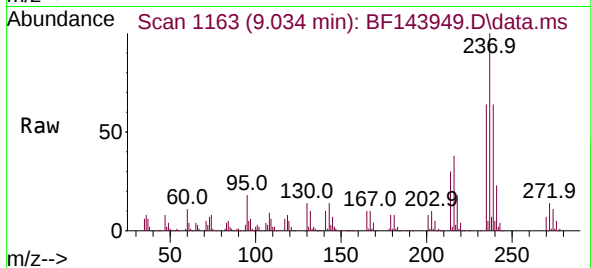
Tgt Ion:216 Resp: 323807
Ion Ratio Lower Upper
216 100
214 79.0 62.6 94.0
179 19.8 15.4 23.0
108 17.0 12.0 18.0





#41
Hexachlorocyclopentadiene
Concen: 108.649 ng
RT: 9.034 min Scan# 1163
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

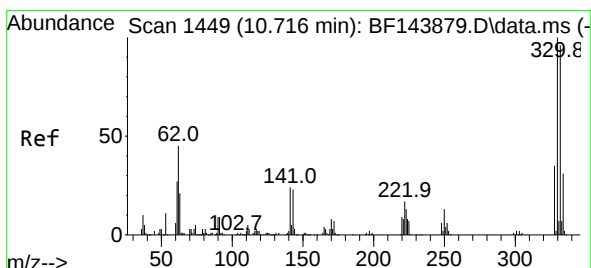
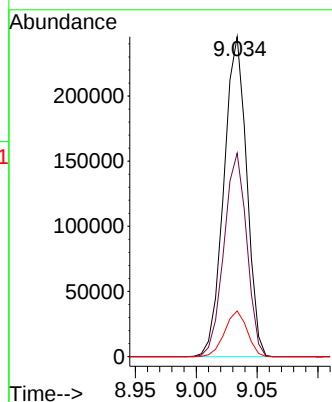
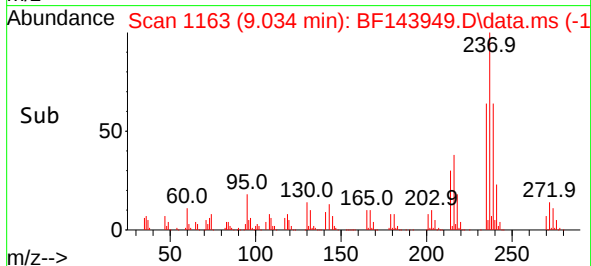
Instrument :
BNA_F
ClientSampleId :
PB170055BS



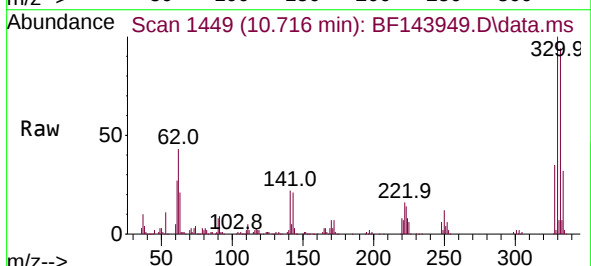
Tgt Ion: 237 Resp: 319945
Ion Ratio Lower Upper
237 100
235 63.6 42.3 82.3
272 14.3 0.0 33.1

Manual Integrations
APPROVED

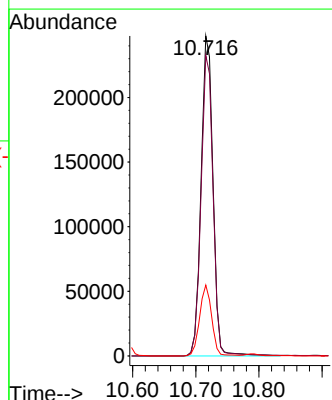
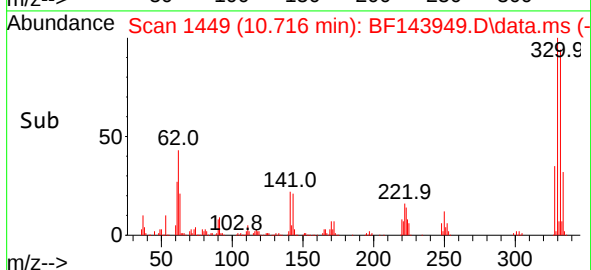
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

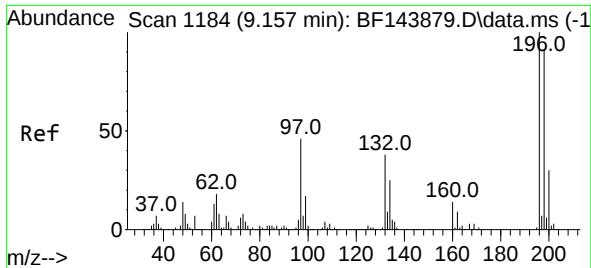


#42
2,4,6-Tribromophenol
Concen: 127.036 ng
RT: 10.716 min Scan# 1449
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



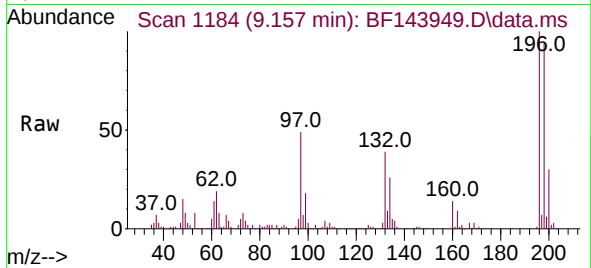
Tgt Ion: 330 Resp: 324960
Ion Ratio Lower Upper
330 100
332 94.5 76.9 115.3
141 22.4 20.2 30.4





#43
2,4,6-Trichlorophenol
Concen: 43.442 ng
RT: 9.157 min Scan# 1184
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

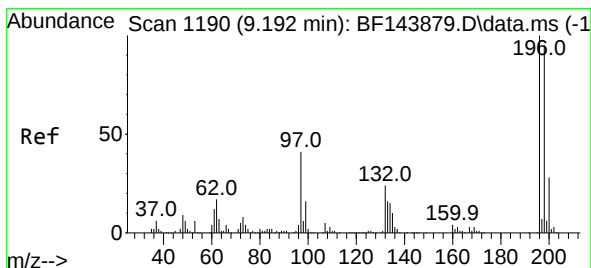
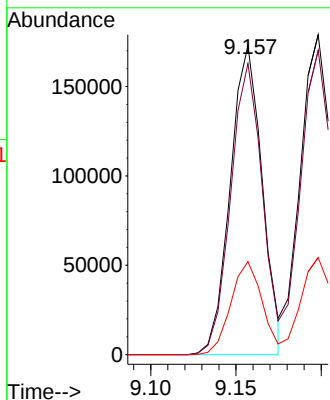
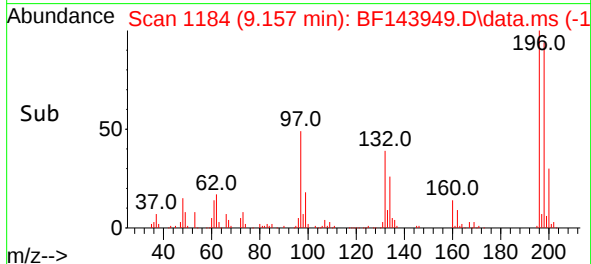
Instrument :
BNA_F
ClientSampleId :
PB170055BS



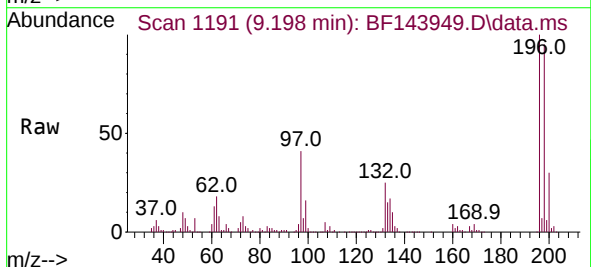
Tgt Ion:196 Resp: 225309
Ion Ratio Lower Upper
196 100
198 94.2 72.8 109.2
200 30.1 24.0 36.0

Manual Integrations
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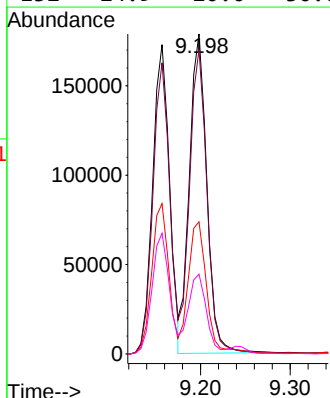
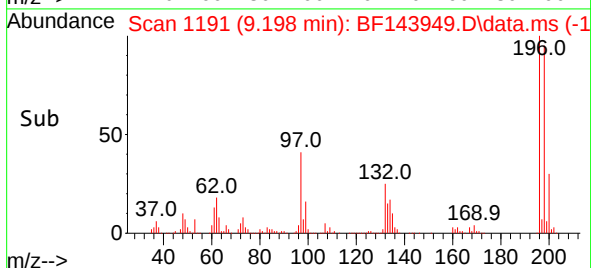
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

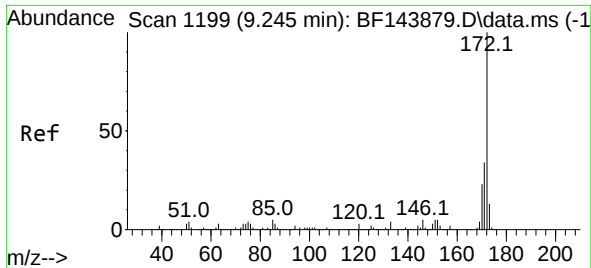


#44
2,4,5-Trichlorophenol
Concen: 44.031 ng
RT: 9.198 min Scan# 1191
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



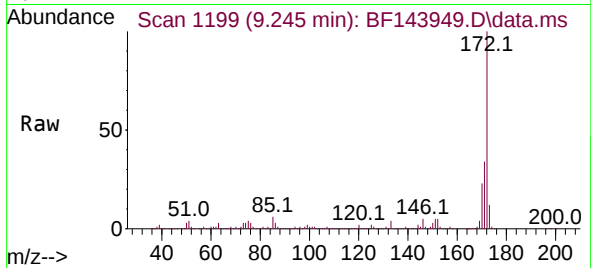
Tgt Ion:196 Resp: 241324
Ion Ratio Lower Upper
196 100
198 95.1 75.5 113.3
97 41.3 33.9 50.9
132 24.9 20.0 30.0





#45
2-Fluorobiphenyl
Concen: 77.208 ng
RT: 9.245 min Scan# 1199
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

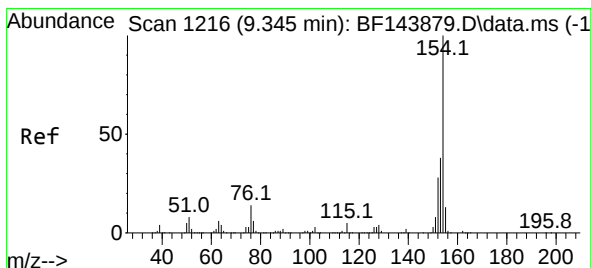
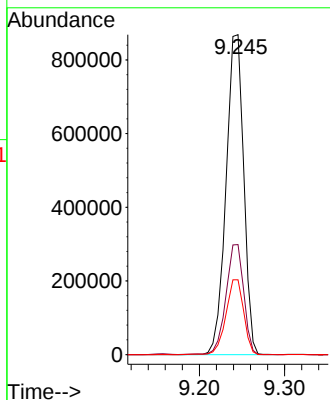
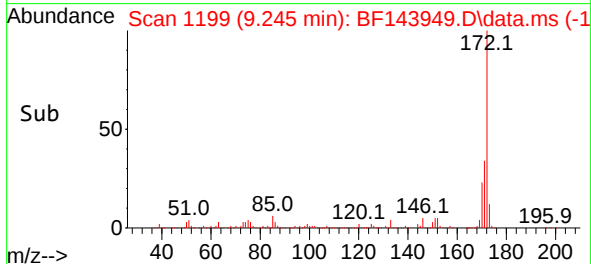
Instrument :
BNA_F
ClientSampleId :
PB170055BS



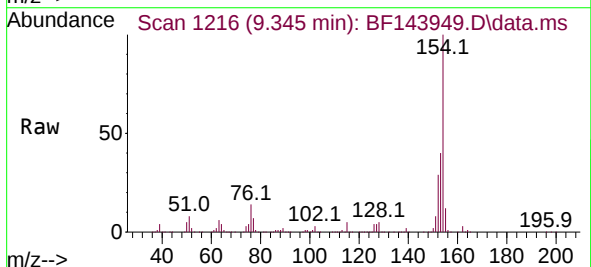
Tgt Ion:172 Resp: 1249663
Ion Ratio Lower Upper
172 100
171 34.4 27.4 41.0
170 23.4 18.6 28.0

Manual Integrations
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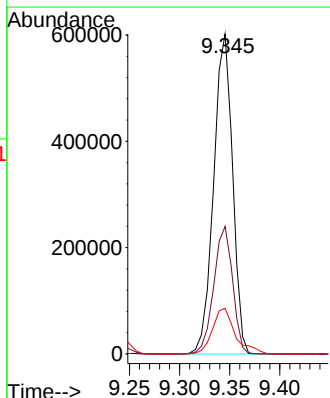
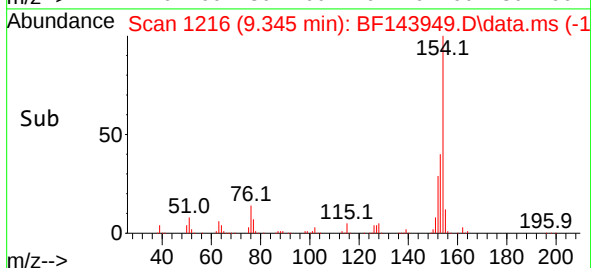
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

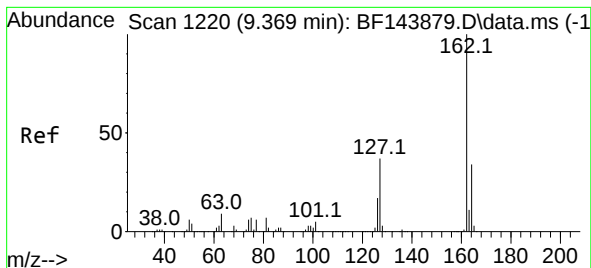


#46
1,1'-Biphenyl
Concen: 46.319 ng
RT: 9.345 min Scan# 1216
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



Tgt Ion:154 Resp: 787600
Ion Ratio Lower Upper
154 100
153 39.8 18.4 58.4
76 14.3 0.0 34.0





#47

2-Chloronaphthalene

Concen: 43.002 ng

RT: 9.369 min Scan# 1220

Delta R.T. -0.006 min

Lab File: BF143949.D

Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

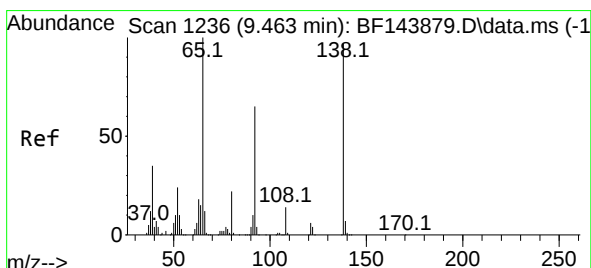
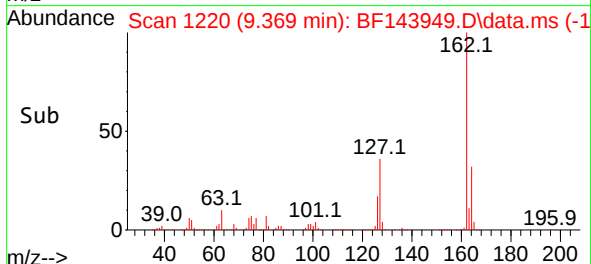
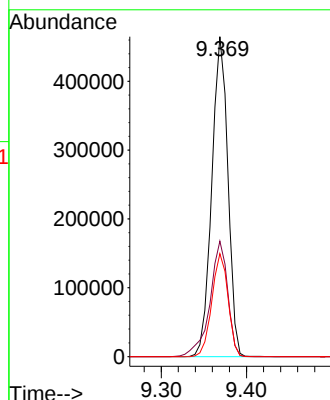
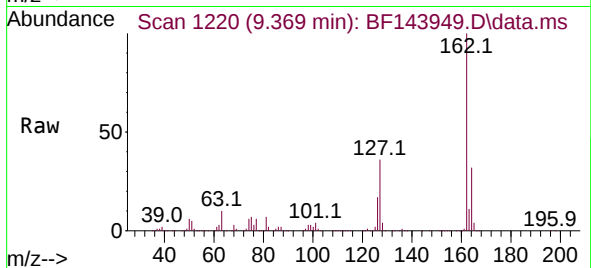
ClientSampleId :

PB170055BS

Tgt Ion:162 Resp: 609645
 Ion Ratio Lower Upper
 162 100
 127 36.1 30.2 45.2
 164 32.2 26.9 40.3

Manual Integrations
 APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
 Supervised By :mohammad ahmed 10/17/2025



#48

2-Nitroaniline

Concen: 49.132 ng

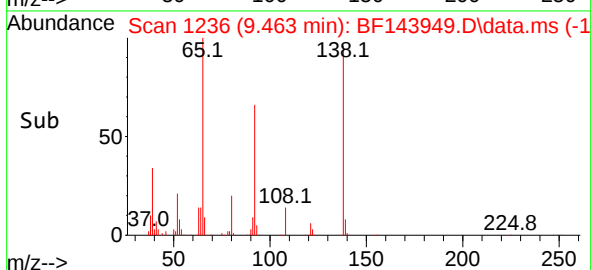
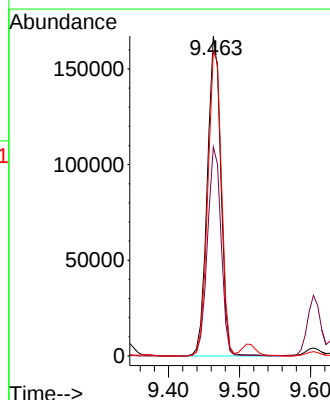
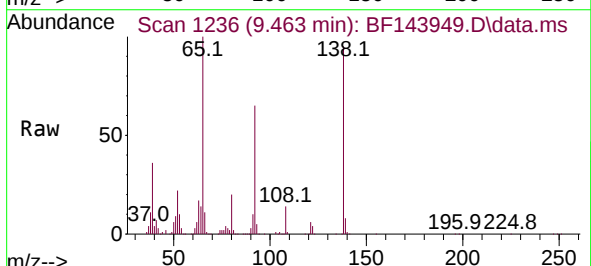
RT: 9.463 min Scan# 1236

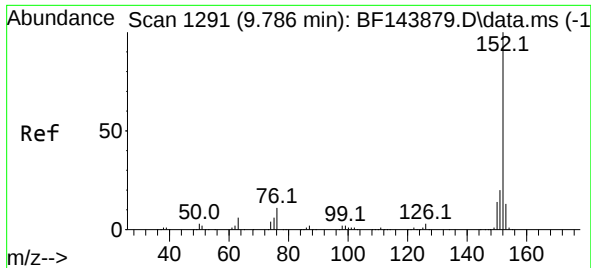
Delta R.T. -0.006 min

Lab File: BF143949.D

Acq: 14 Oct 2025 16:13

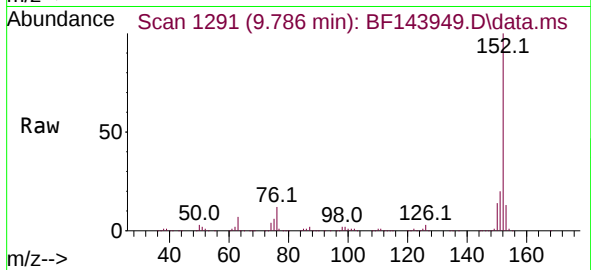
Tgt Ion: 65 Resp: 220218
 Ion Ratio Lower Upper
 65 100
 92 65.3 52.1 78.1
 138 95.1 77.4 116.2





#49
Acenaphthylene
Concen: 48.525 ng
RT: 9.786 min Scan# 1291
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

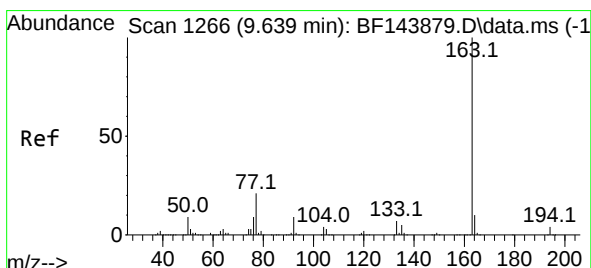
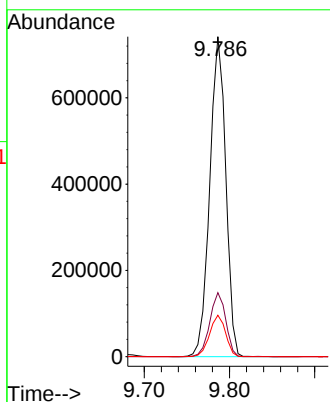
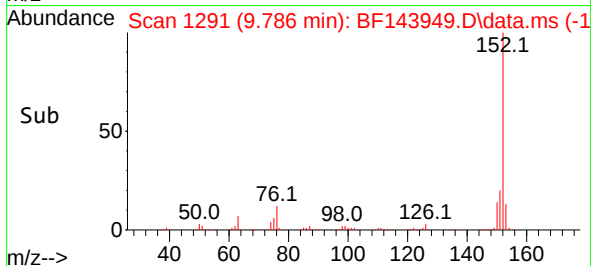
Instrument :
BNA_F
ClientSampleId :
PB170055BS



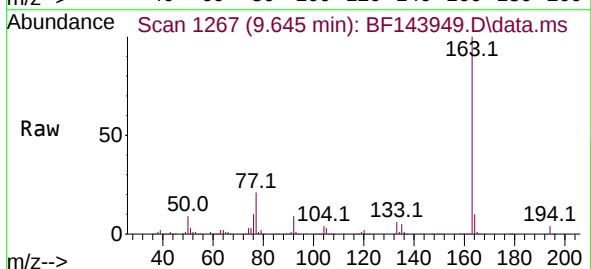
Tgt Ion:152 Resp: 967163
Ion Ratio Lower Upper
152 100
151 20.0 15.8 23.6
153 12.9 10.5 15.7

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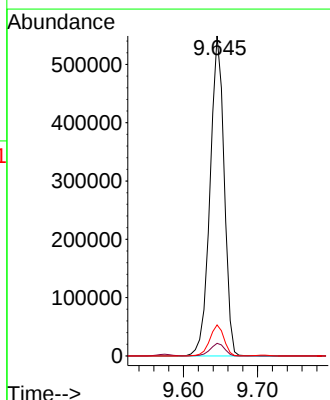
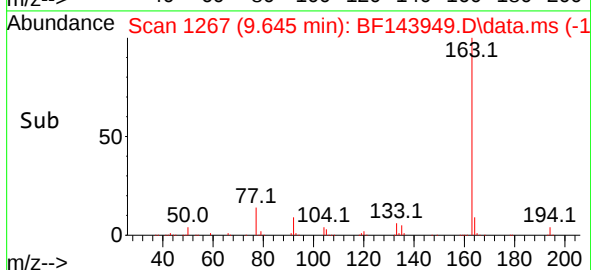
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

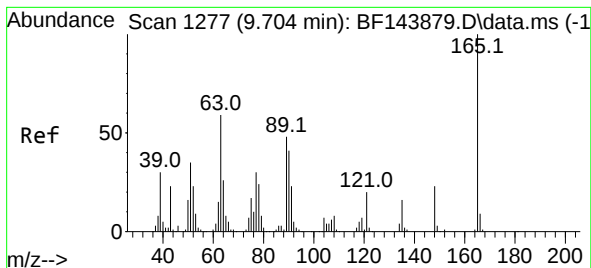


#50
Dimethylphthalate
Concen: 44.552 ng
RT: 9.645 min Scan# 1267
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



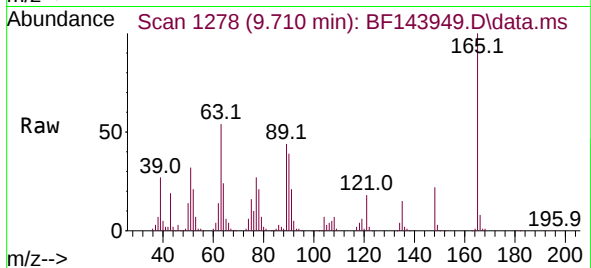
Tgt Ion:163 Resp: 726615
Ion Ratio Lower Upper
163 100
194 3.9 3.3 4.9
164 9.7 8.1 12.1





#51
2,6-Dinitrotoluene
Concen: 52.302 ng
RT: 9.710 min Scan# 1277
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

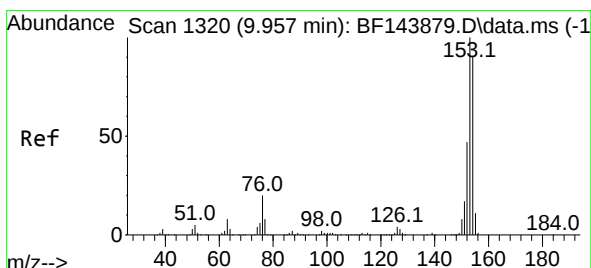
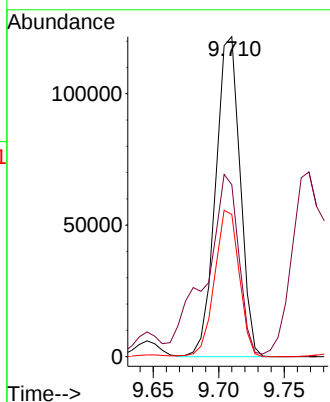
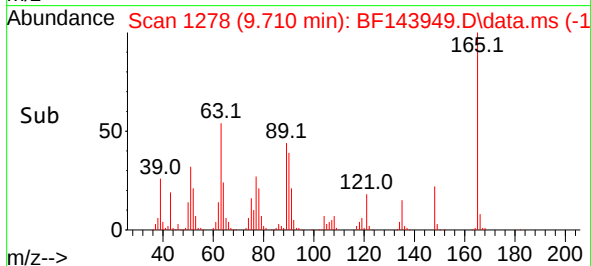
Instrument :
BNA_F
ClientSampleId :
PB170055BS



Tgt Ion:165 Resp: 158175
Ion Ratio Lower Upper
165 100
63 53.7 47.3 70.9
89 44.4 38.2 57.4

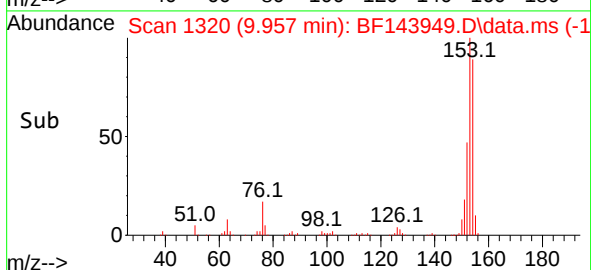
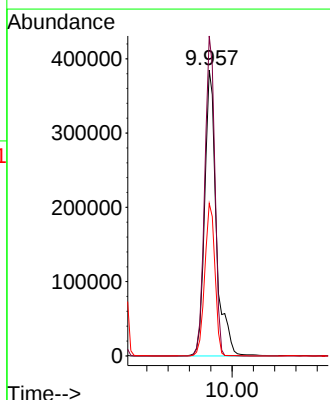
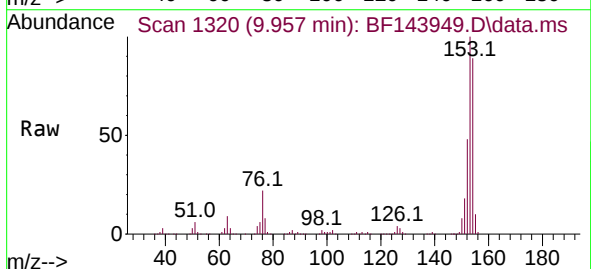
Manual Integrations
APPROVED

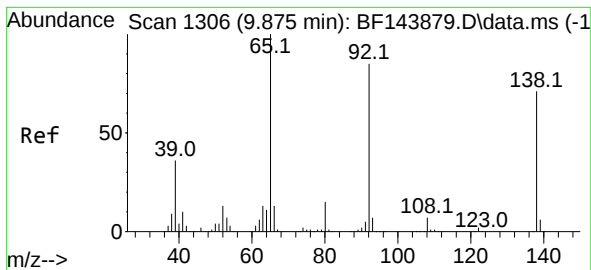
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#52
Acenaphthene
Concen: 44.870 ng
RT: 9.957 min Scan# 1320
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

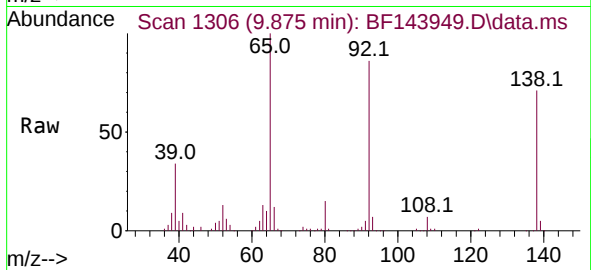
Tgt Ion:154 Resp: 585998
Ion Ratio Lower Upper
154 100
153 111.9 89.3 133.9
152 53.3 42.2 63.2





#53
3-Nitroaniline
Concen: 32.248 ng
RT: 9.875 min Scan# 1306
Delta R.T. -0.012 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

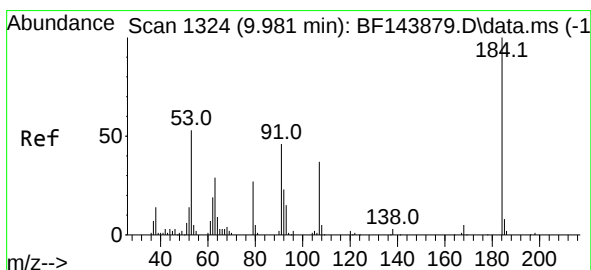
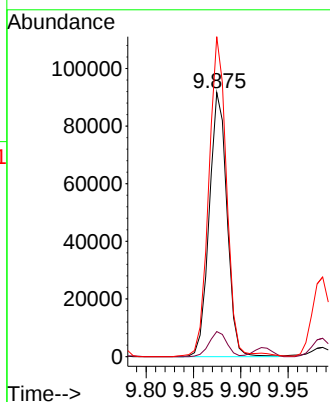
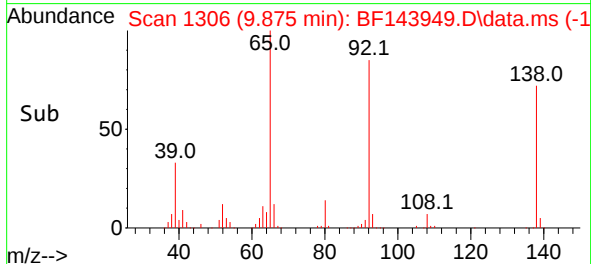
Instrument :
BNA_F
ClientSampleId :
PB170055BS



Tgt Ion:138 Resp: 119416
Ion Ratio Lower Upper
138 100
108 9.5 8.3 12.5
92 121.2 96.2 144.2

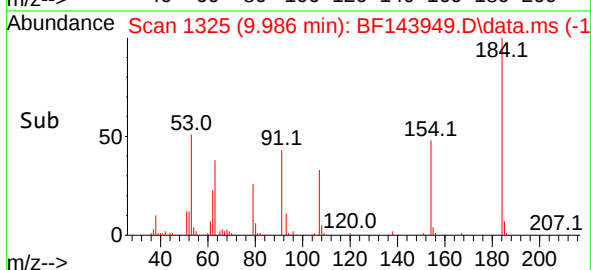
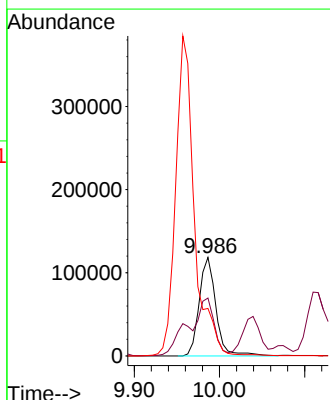
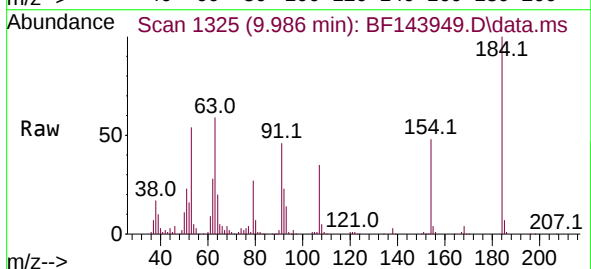
Manual Integrations
APPROVED

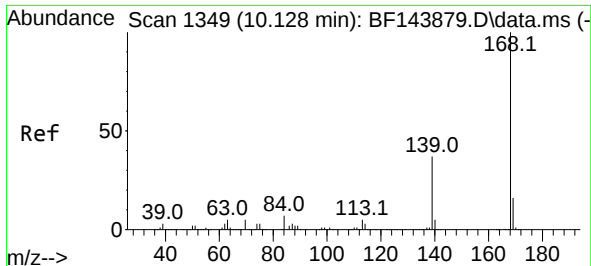
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#54
2,4-Dinitrophenol
Concen: 86.267 ng
RT: 9.986 min Scan# 1325
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

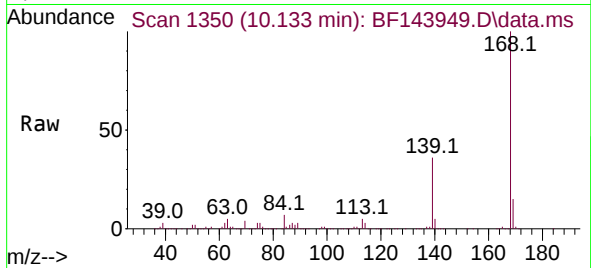
Tgt Ion:184 Resp: 162038
Ion Ratio Lower Upper
184 100
63 58.7 48.2 72.4
154 48.1 49.2 73.8#





#55
Dibenzenofuran
Concen: 42.984 ng
RT: 10.133 min Scan# 1350
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

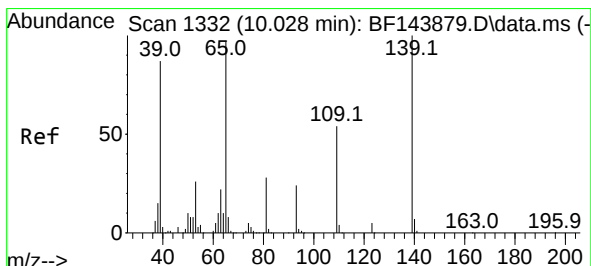
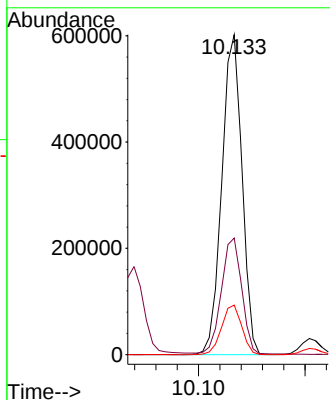
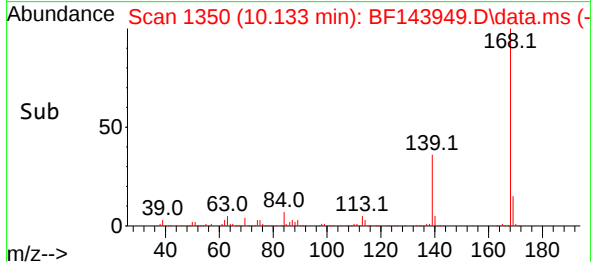
Instrument :
BNA_F
ClientSampleId :
PB170055BS



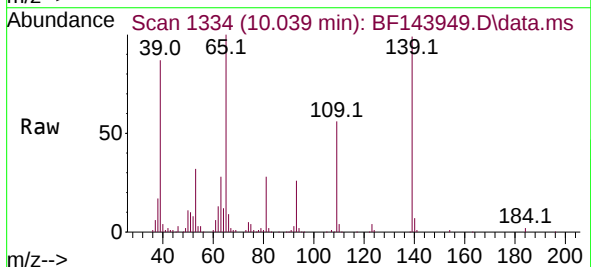
Tgt Ion:168 Resp: 792450
Ion Ratio Lower Upper
168 100
139 36.4 29.8 44.8
169 15.5 12.8 19.2

Manual Integrations
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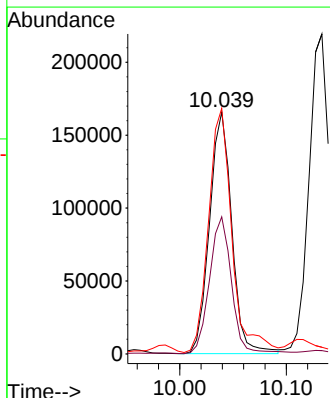
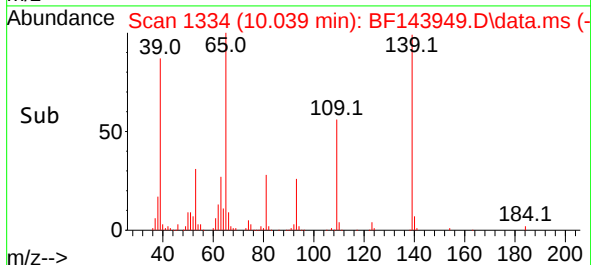
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

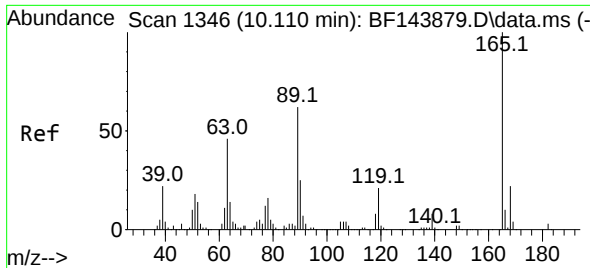


#56
4-Nitrophenol
Concen: 85.616 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



Tgt Ion:139 Resp: 240051
Ion Ratio Lower Upper
139 100
109 56.7 34.5 74.5
65 101.5 77.6 117.6





#57
2,4-Dinitrotoluene
Concen: 52.070 ng
RT: 10.110 min Scan# 1346
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

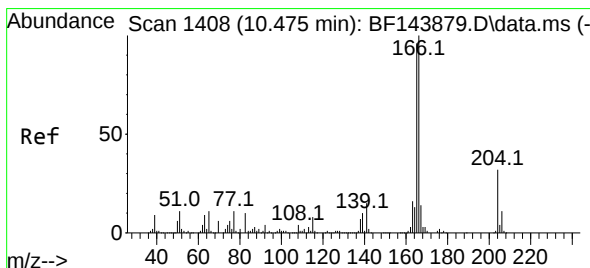
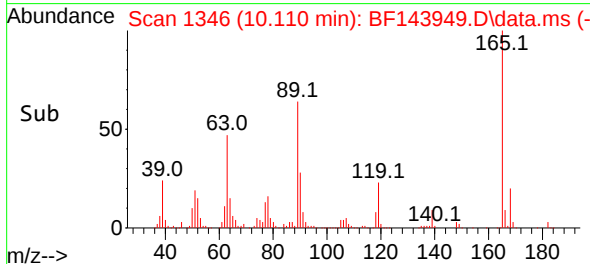
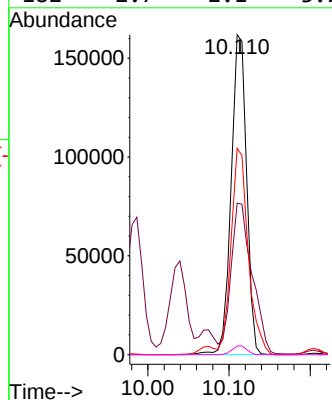
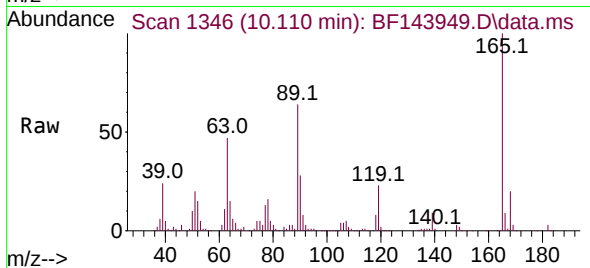
PB170055BS

Tgt Ion:165 Resp: 214262
Ion Ratio Lower Upper
165 100
63 47.3 37.2 55.8
89 64.4 49.4 74.2
182 2.7 2.1 3.1

Manual Integrations

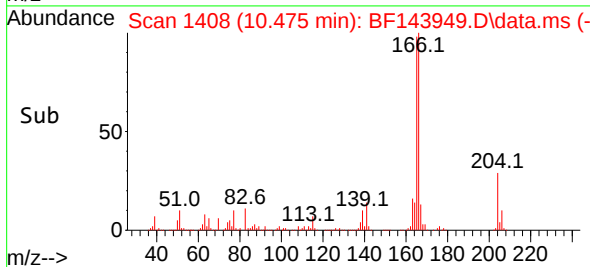
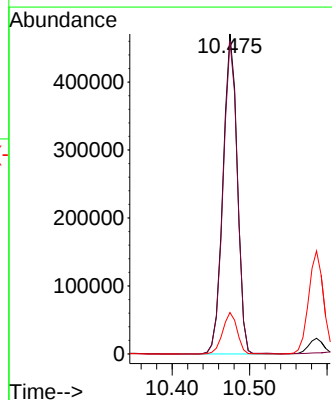
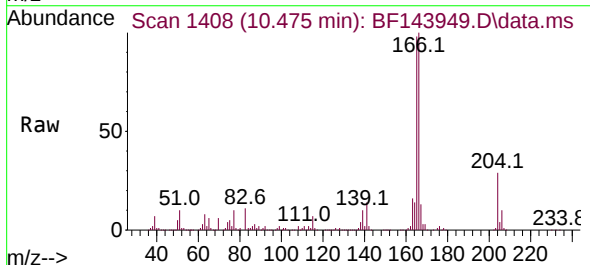
APPROVED

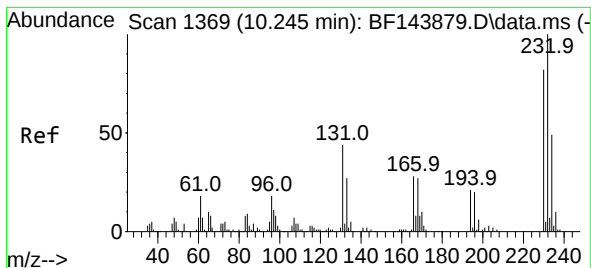
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#58
Fluorene
Concen: 43.328 ng
RT: 10.475 min Scan# 1408
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

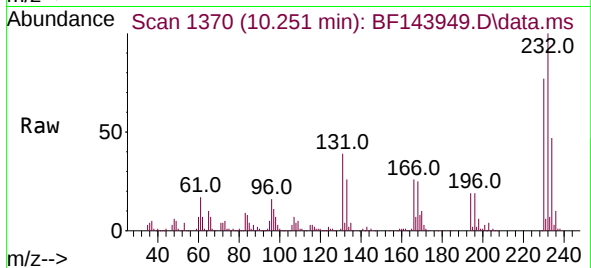
Tgt Ion:166 Resp: 602736
Ion Ratio Lower Upper
166 100
165 97.8 77.0 115.6
167 12.9 11.1 16.7





#59
2,3,4,6-Tetrachlorophenol
Concen: 47.176 ng m
RT: 10.251 min Scan# 1370
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

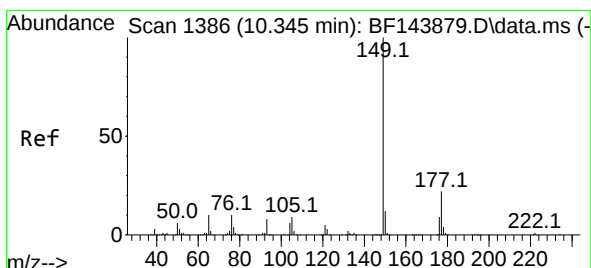
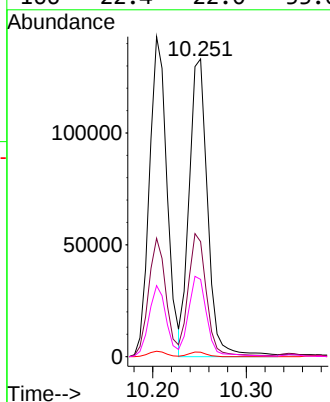
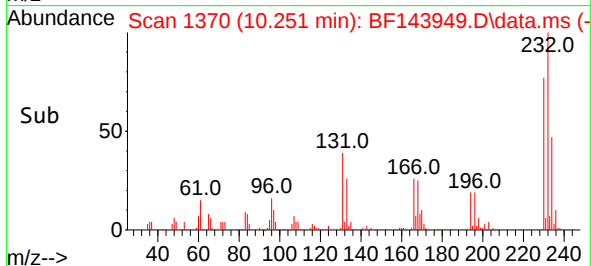
Instrument :
BNA_F
ClientSampleId :
PB170055BS



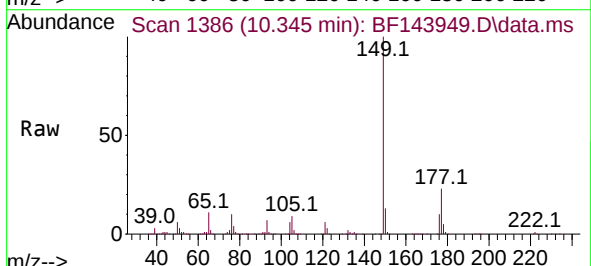
Tgt Ion:232 Resp: 183031
Ion Ratio Lower Upper
232 100
131 37.6 34.9 52.3
130 1.7 1.6 2.4
166 22.4 22.0 33.0

Manual Integrations
APPROVED

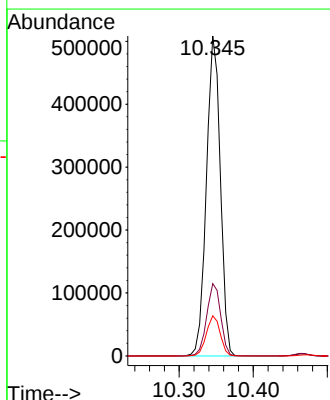
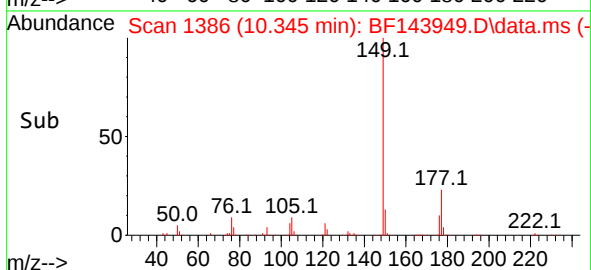
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

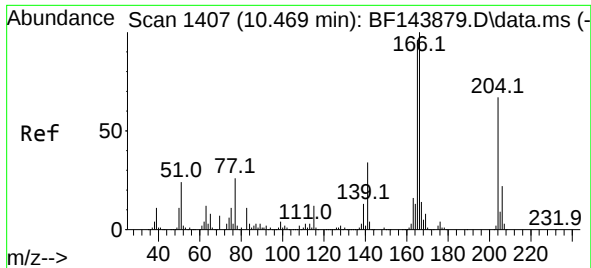


#60
Diethylphthalate
Concen: 43.636 ng
RT: 10.345 min Scan# 1386
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



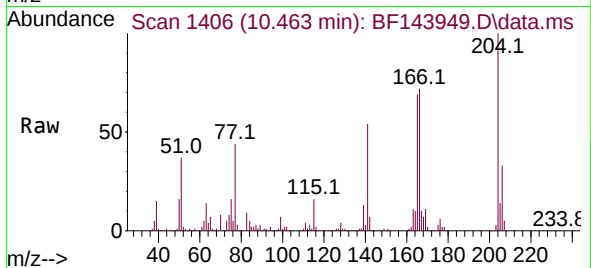
Tgt Ion:149 Resp: 661161
Ion Ratio Lower Upper
149 100
177 22.6 17.9 26.9
150 12.5 9.8 14.8





#61
4-Chlorophenyl-phenylether
Concen: 42.498 ng
RT: 10.463 min Scan# 1406
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

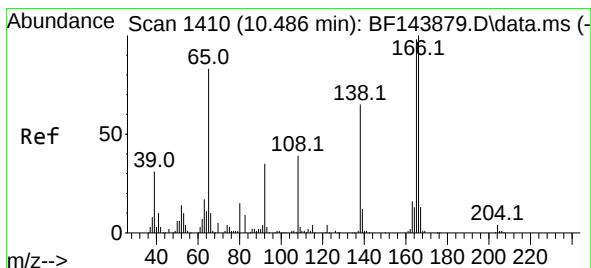
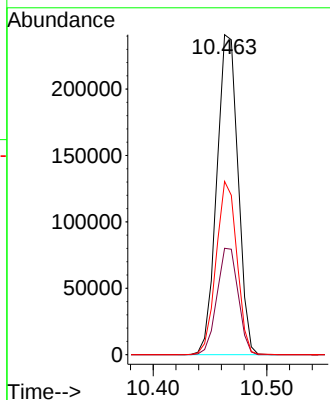
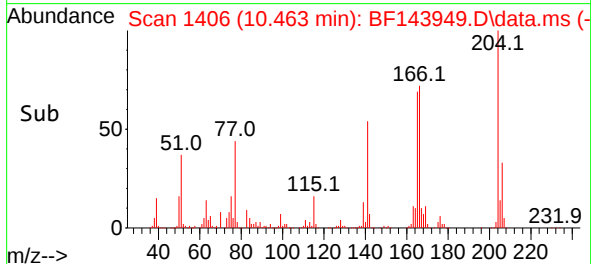
Instrument :
BNA_F
ClientSampleId :
PB170055BS



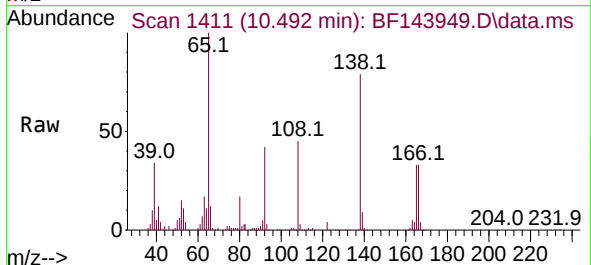
Tgt Ion:204 Resp: 312560
Ion Ratio Lower Upper
204 100
206 33.2 26.6 40.0
141 54.1 40.4 60.6

Manual Integrations
APPROVED

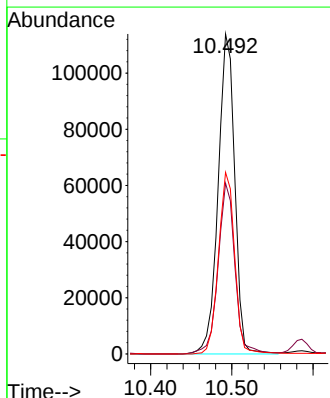
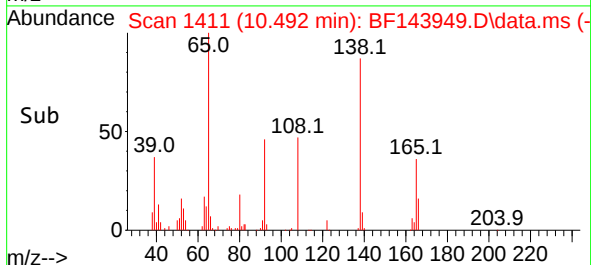
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

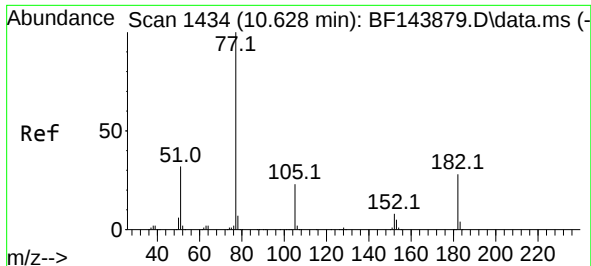


#62
4-Nitroaniline
Concen: 45.388 ng
RT: 10.492 min Scan# 1411
Delta R.T. -0.017 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



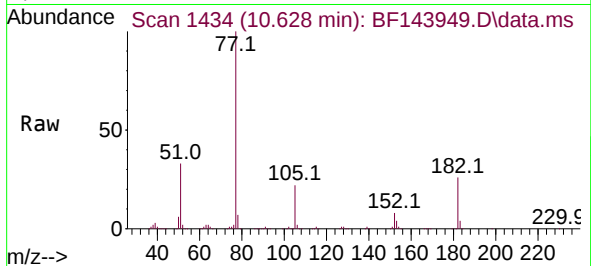
Tgt Ion:138 Resp: 161624
Ion Ratio Lower Upper
138 100
92 53.3 33.9 73.9
108 56.7 40.2 80.2





#63
Azobenzene
Concen: 46.187 ng
RT: 10.628 min Scan# 1434
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

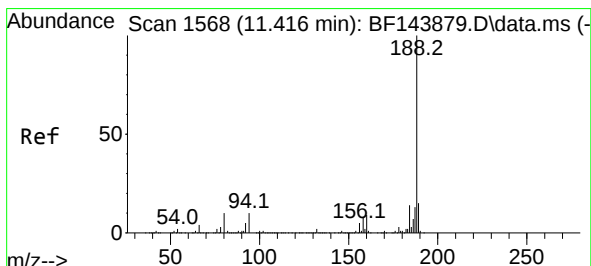
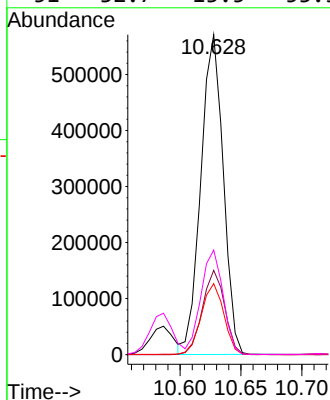
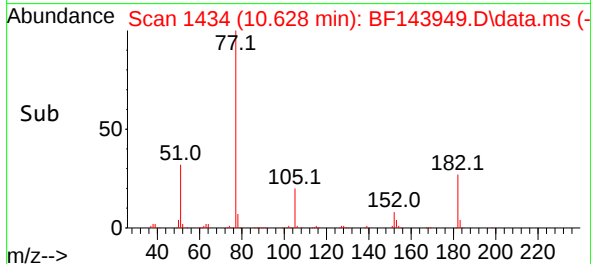
Instrument :
BNA_F
ClientSampleId :
PB170055BS



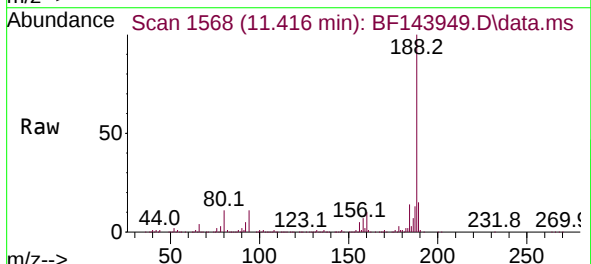
Tgt Ion: 77 Resp: 731390
Ion Ratio Lower Upper
77 100
182 26.3 7.3 47.3
105 22.2 3.0 43.0
51 32.7 13.5 53.5

Manual Integrations
APPROVED

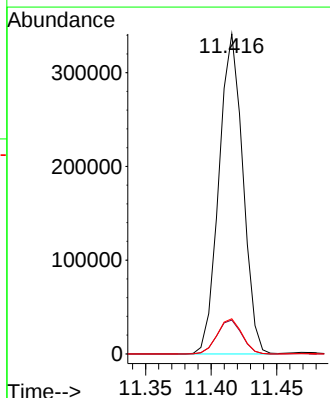
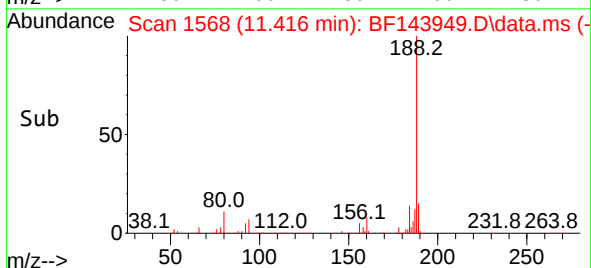
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

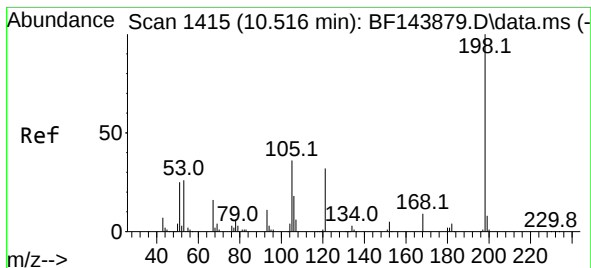


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.416 min Scan# 1568
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



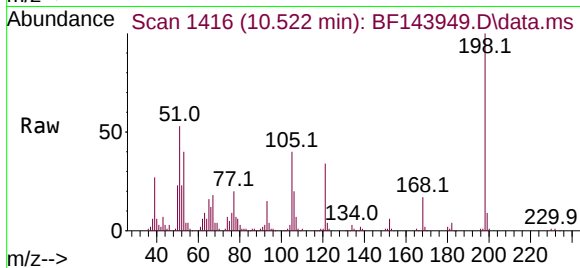
Tgt Ion:188 Resp: 433771
Ion Ratio Lower Upper
188 100
94 10.6 7.8 11.6
80 11.0 7.9 11.9





#65
4,6-Dinitro-2-methylphenol
Concen: 53.501 ng
RT: 10.522 min Scan# 1415
Delta R.T. -0.012 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

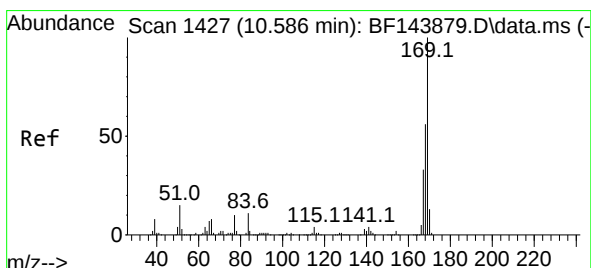
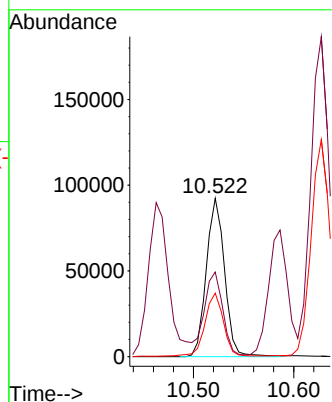
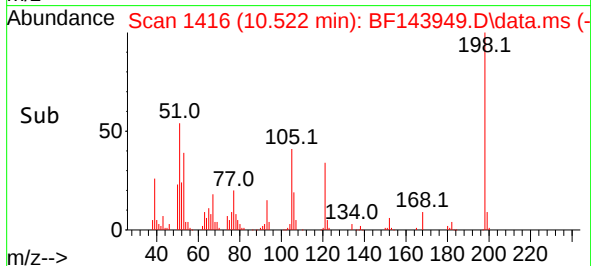
Instrument :
BNA_F
ClientSampleId :
PB170055BS



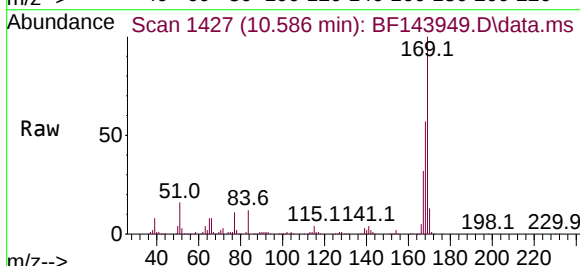
Tgt Ion:198 Resp: 116621
Ion Ratio Lower Upper
198 100
51 53.4 33.8 73.8
105 40.1 17.0 57.0

Manual Integrations
APPROVED

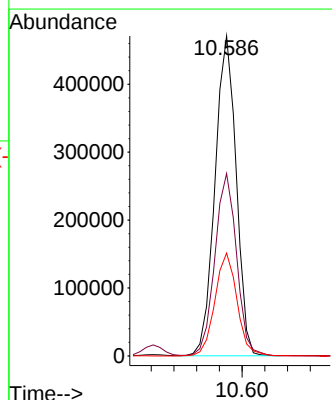
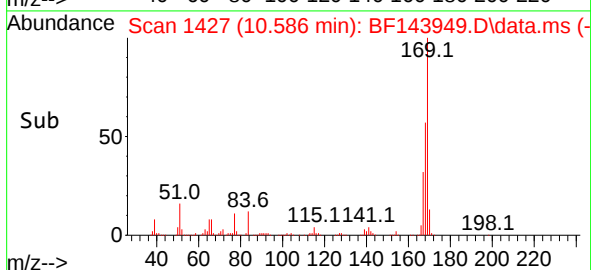
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

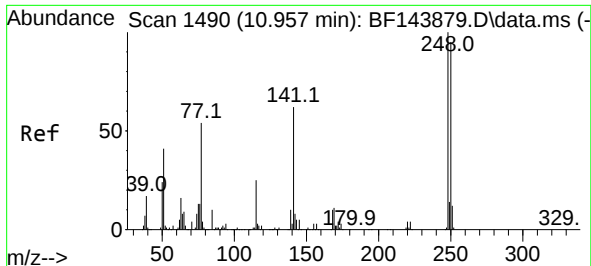


#66
n-Nitrosodiphenylamine
Concen: 44.786 ng
RT: 10.586 min Scan# 1427
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



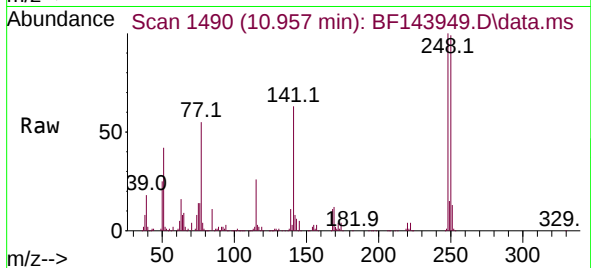
Tgt Ion:169 Resp: 609980
Ion Ratio Lower Upper
169 100
168 57.0 44.9 67.3
167 32.1 26.3 39.5





#67
4-Bromophenyl-phenylether
Concen: 42.559 ng
RT: 10.957 min Scan# 1490
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

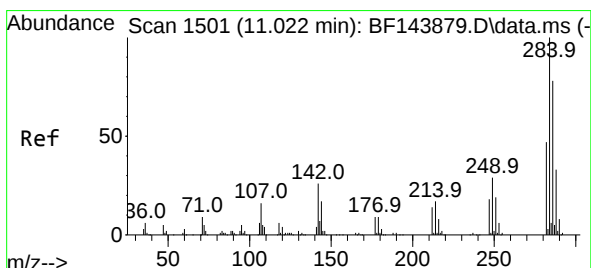
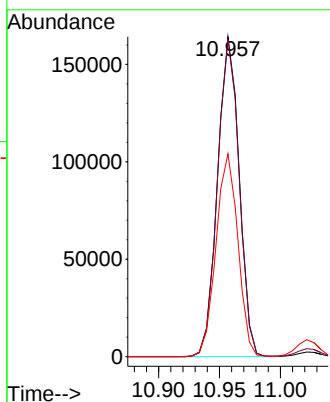
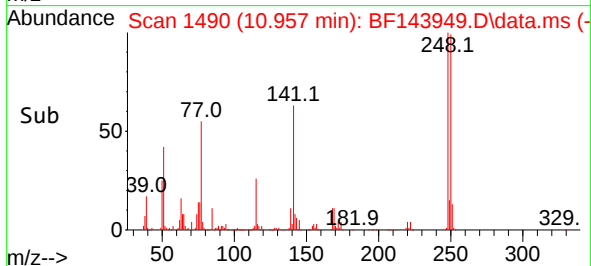
Instrument :
BNA_F
ClientSampleId :
PB170055BS



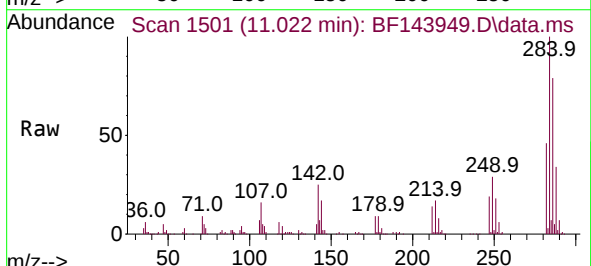
Tgt Ion:248 Resp: 204021
Ion Ratio Lower Upper
248 100
250 99.1 76.3 114.5
141 63.4 49.7 74.5

Manual Integrations
APPROVED

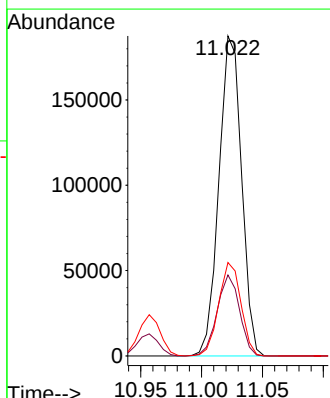
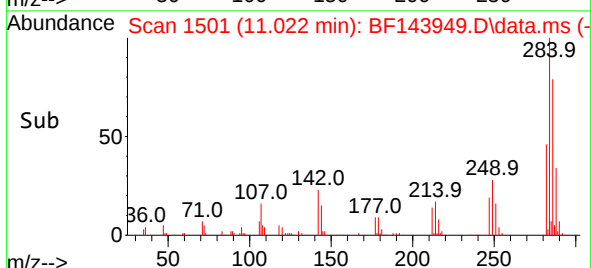
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

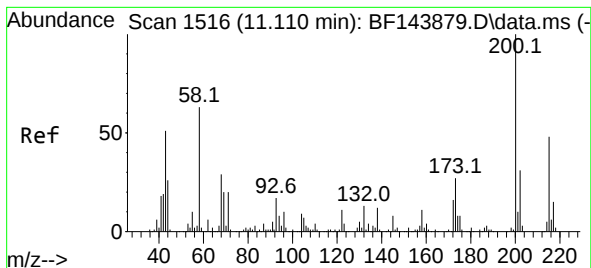


#68
Hexachlorobenzene
Concen: 43.720 ng
RT: 11.022 min Scan# 1501
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



Tgt Ion:284 Resp: 242638
Ion Ratio Lower Upper
284 100
142 25.3 20.6 30.8
249 29.2 23.2 34.8





#69

Atrazine

Concen: 47.715 ng

RT: 11.110 min Scan# 1516

Delta R.T. -0.012 min

Lab File: BF143949.D

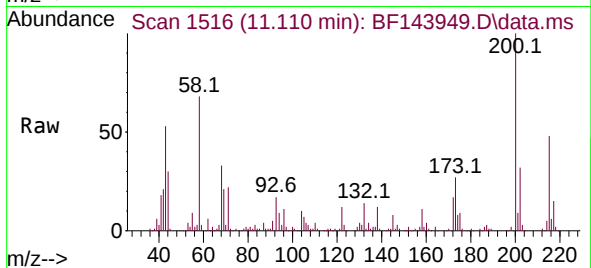
Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

PB170055BS



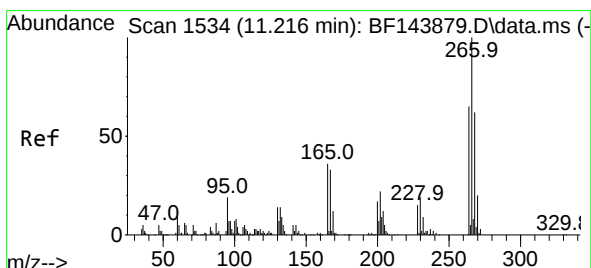
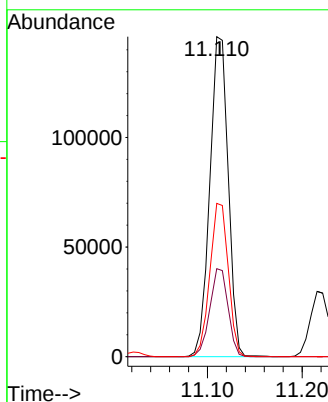
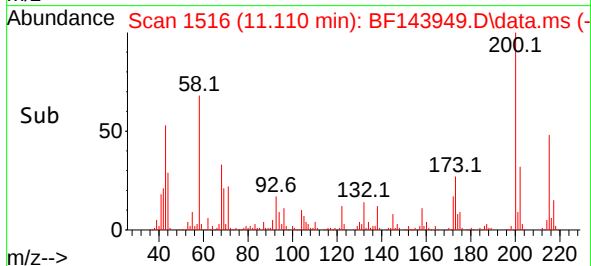
Tgt Ion:200 Resp: 196973

Ion	Ratio	Lower	Upper
200	100		
173	27.5	7.0	47.0
215	47.9	27.8	67.8

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#70

Pentachlorophenol

Concen: 81.419 ng

RT: 11.222 min Scan# 1535

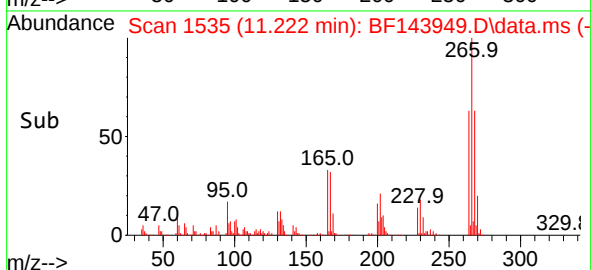
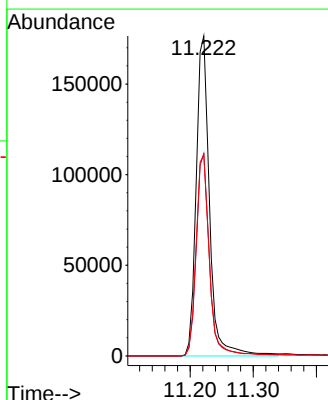
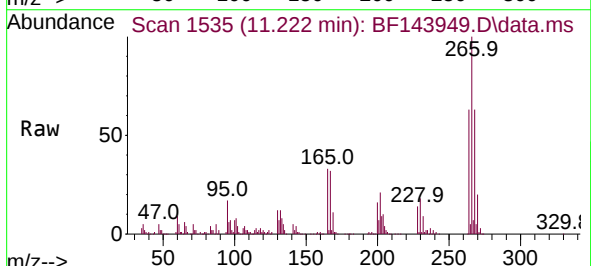
Delta R.T. 0.000 min

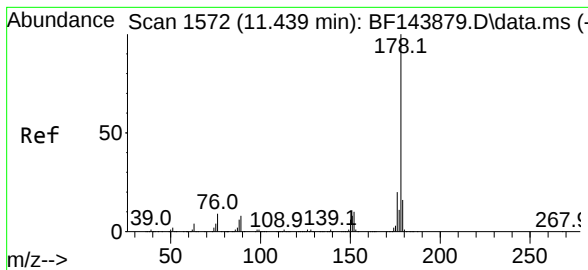
Lab File: BF143949.D

Acq: 14 Oct 2025 16:13

Tgt Ion:266 Resp: 259520

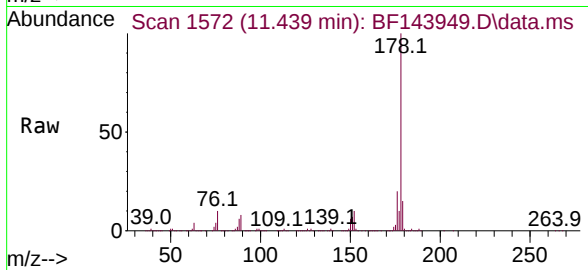
Ion	Ratio	Lower	Upper
266	100		
268	63.2	49.4	74.0
264	62.9	51.8	77.6





#71
Phenanthrene
Concen: 43.618 ng
RT: 11.439 min Scan# 1572
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

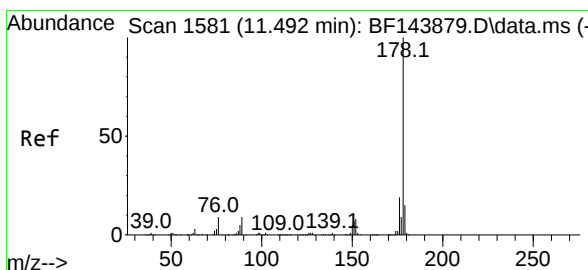
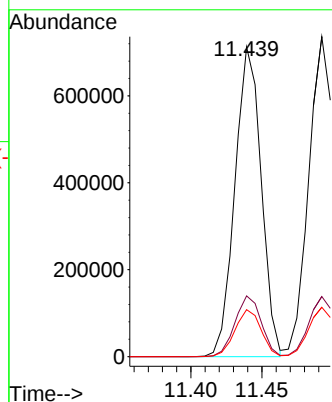
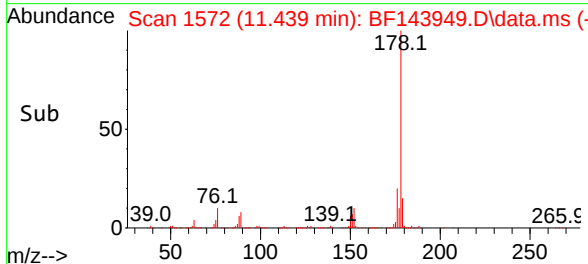
Instrument :
BNA_F
ClientSampleId :
PB170055BS



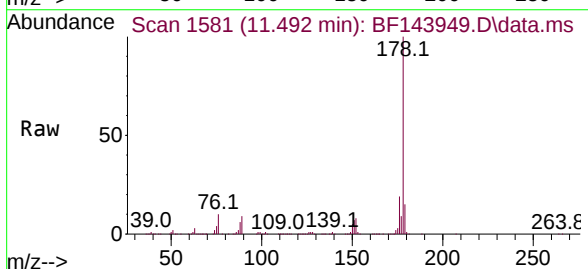
Tgt Ion:178 Resp: 917260
Ion Ratio Lower Upper
178 100
176 19.6 15.9 23.9
179 15.2 12.4 18.6

Manual Integrations
APPROVED

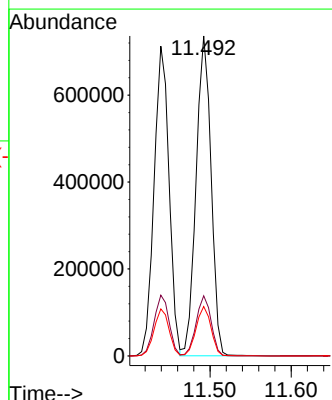
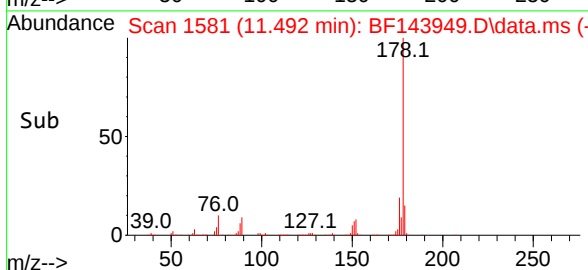
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

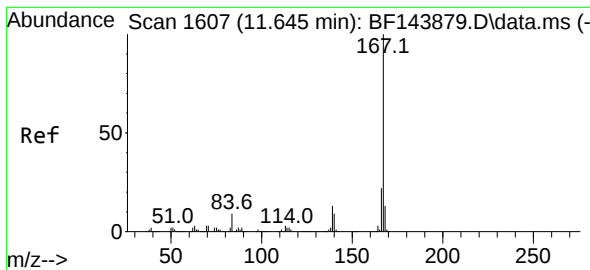


#72
Anthracene
Concen: 44.298 ng
RT: 11.492 min Scan# 1581
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



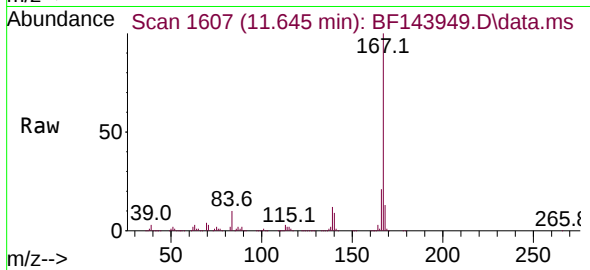
Tgt Ion:178 Resp: 941105
Ion Ratio Lower Upper
178 100
176 18.8 14.9 22.3
179 15.4 12.2 18.2





#73
 Carbazole
 Concen: 44.402 ng
 RT: 11.645 min Scan# 1607
 Delta R.T. -0.006 min
 Lab File: BF143949.D
 Acq: 14 Oct 2025 16:13

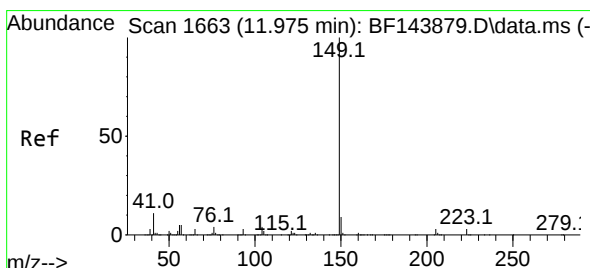
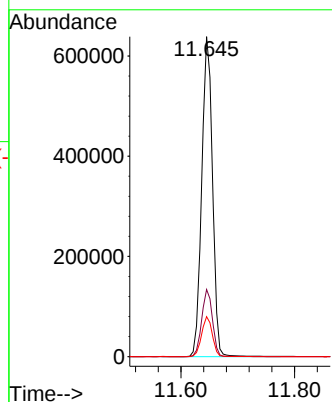
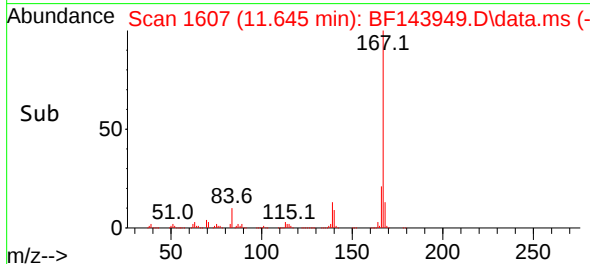
Instrument :
 BNA_F
 ClientSampleId :
 PB170055BS



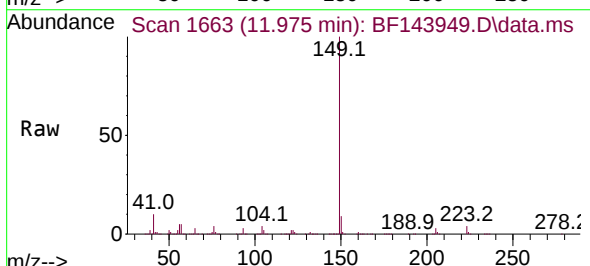
Tgt Ion:167 Resp: 835452
 Ion Ratio Lower Upper
 167 100
 166 21.0 17.2 25.8
 139 12.5 10.1 15.1

Manual Integrations
 APPROVED

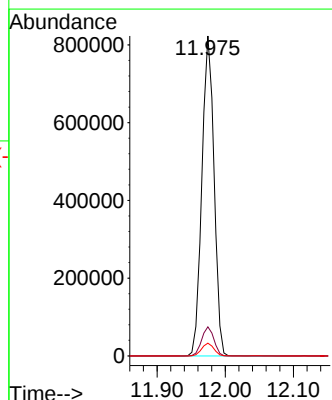
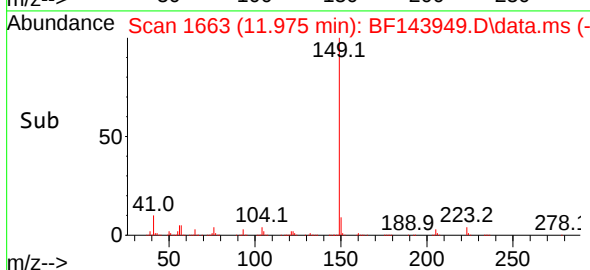
Reviewed By :Jagrut Upadhyay 10/14/2025
 Supervised By :mohammad ahmed 10/17/2025

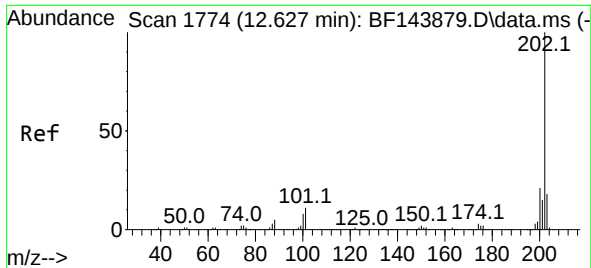


#74
 Di-n-butylphthalate
 Concen: 46.851 ng
 RT: 11.975 min Scan# 1663
 Delta R.T. -0.006 min
 Lab File: BF143949.D
 Acq: 14 Oct 2025 16:13



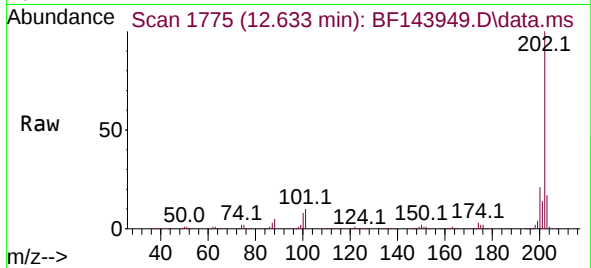
Tgt Ion:149 Resp: 1021669
 Ion Ratio Lower Upper
 149 100
 150 9.1 7.4 11.2
 104 4.0 3.4 5.2





#75
Fluoranthene
Concen: 44.399 ng
RT: 12.633 min Scan# 1775
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

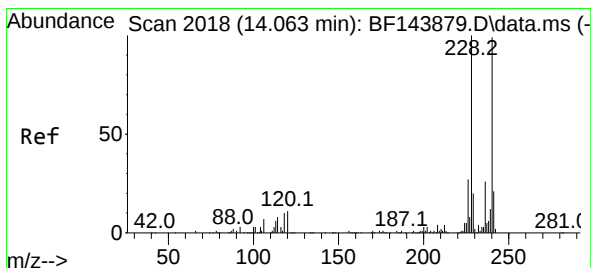
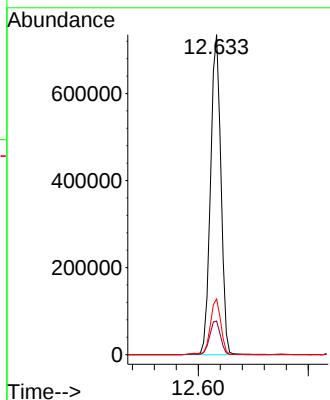
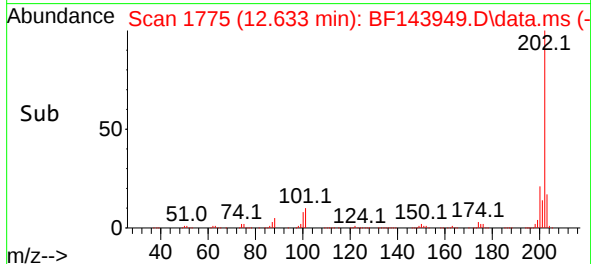
Instrument :
BNA_F
ClientSampleId :
PB170055BS



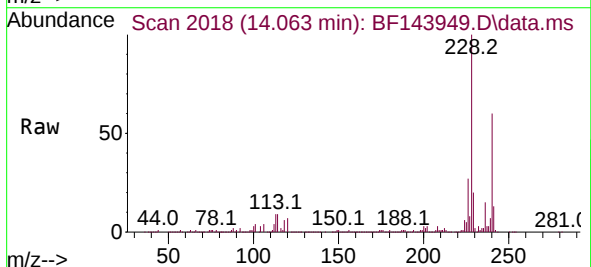
Tgt Ion:202 Resp: 964435
Ion Ratio Lower Upper
202 100
101 10.5 0.0 30.7
203 17.4 0.0 37.8

Manual Integrations
APPROVED

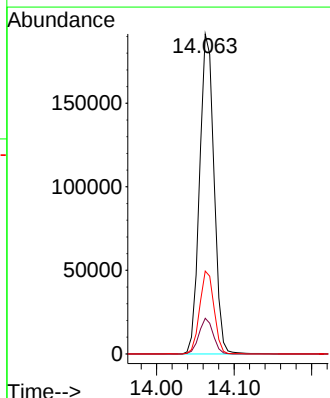
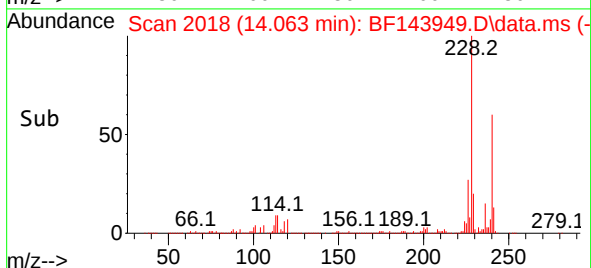
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

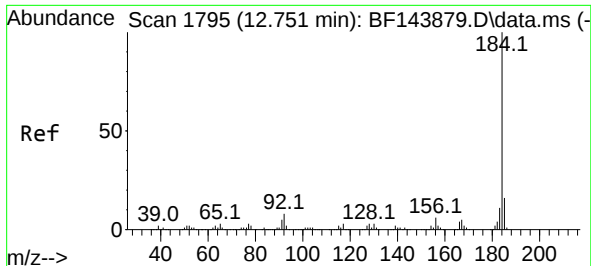


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.063 min Scan# 2018
Delta R.T. -0.005 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



Tgt Ion:240 Resp: 247361
Ion Ratio Lower Upper
240 100
120 11.1 8.6 13.0
236 25.9 21.1 31.7





#77
Benzidine
Concen: 40.064 ng
RT: 12.751 min Scan# 1795
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

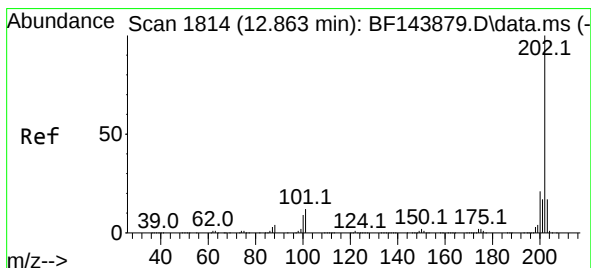
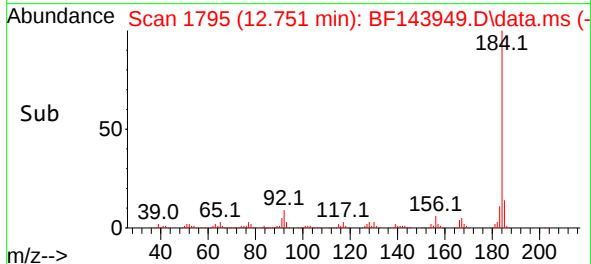
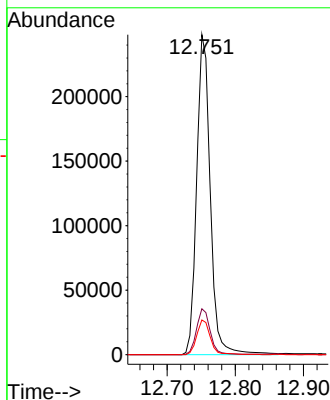
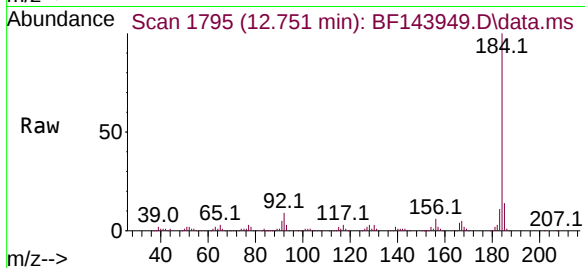
PB170055BS

Tgt Ion:184 Resp: 344111
Ion Ratio Lower Upper
184 100
185 14.3 12.6 18.8
183 10.8 8.8 13.2

Manual Integrations

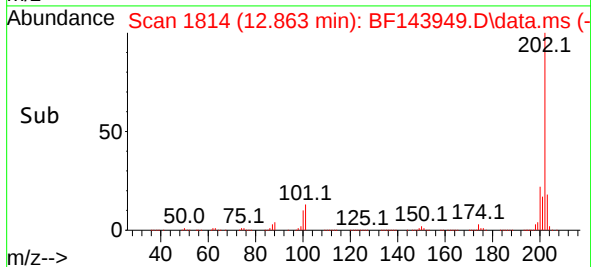
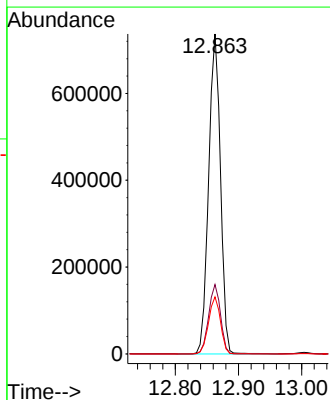
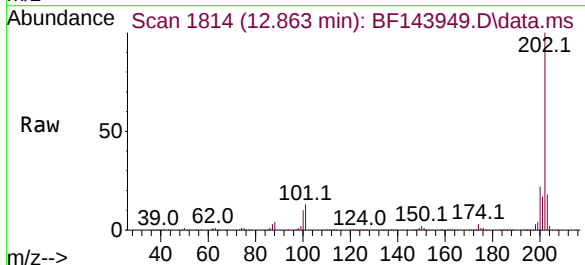
APPROVED

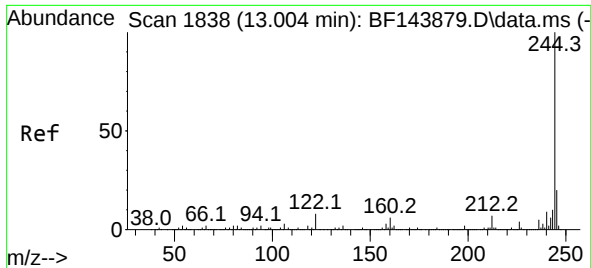
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#78
Pyrene
Concen: 46.431 ng
RT: 12.863 min Scan# 1814
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

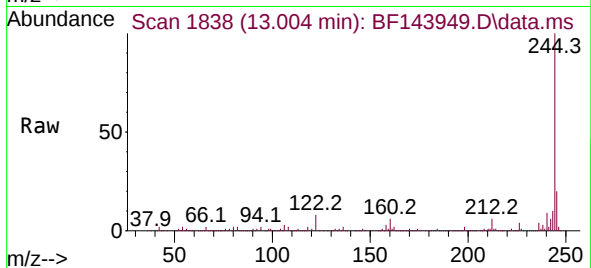
Tgt Ion:202 Resp: 957514
Ion Ratio Lower Upper
202 100
200 21.7 17.0 25.6
203 17.8 13.8 20.6





#79
 Terphenyl-d14
 Concen: 93.406 ng
 RT: 13.004 min Scan# 1838
 Delta R.T. -0.006 min
 Lab File: BF143949.D
 Acq: 14 Oct 2025 16:13

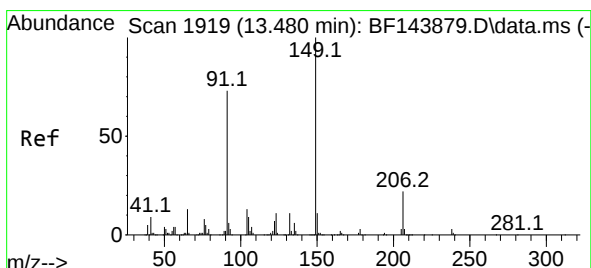
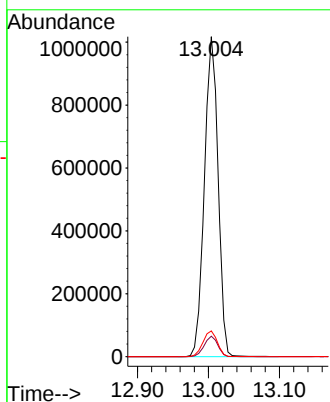
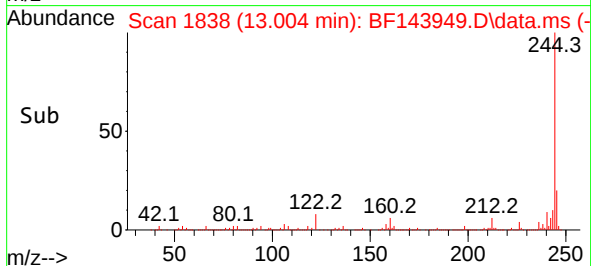
Instrument :
 BNA_F
 ClientSampleId :
 PB170055BS



Tgt Ion:244 Resp: 1351901
 Ion Ratio Lower Upper
 244 100
 212 6.4 5.4 8.0
 122 8.0 6.4 9.6

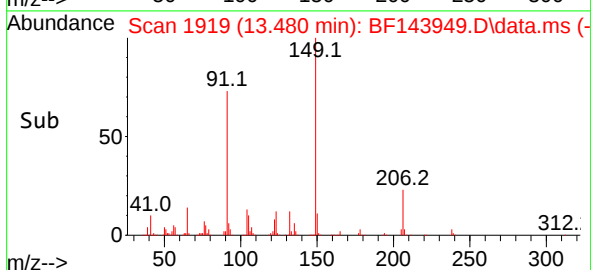
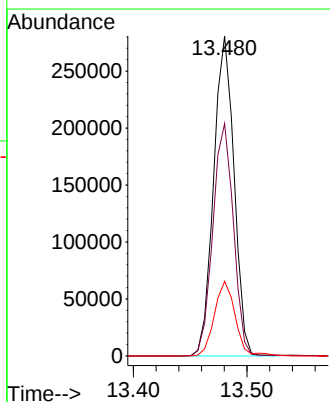
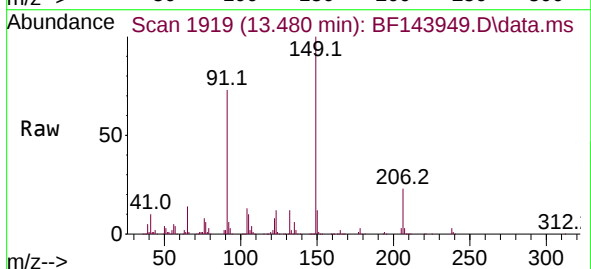
Manual Integrations
 APPROVED

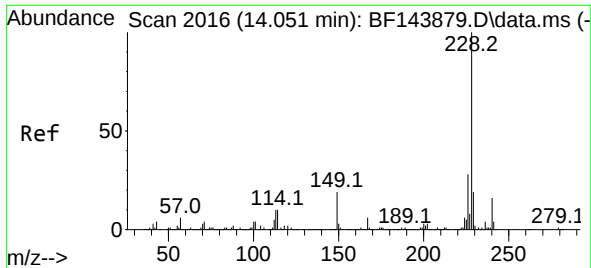
Reviewed By :Jagrut Upadhyay 10/14/2025
 Supervised By :mohammad ahmed 10/17/2025



#80
 Butylbenzylphthalate
 Concen: 52.386 ng
 RT: 13.480 min Scan# 1919
 Delta R.T. 0.000 min
 Lab File: BF143949.D
 Acq: 14 Oct 2025 16:13

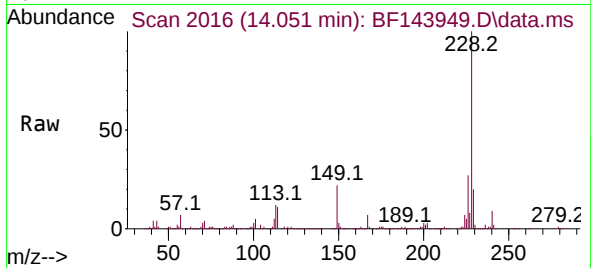
Tgt Ion:149 Resp: 350848
 Ion Ratio Lower Upper
 149 100
 91 72.6 58.2 87.2
 206 23.3 17.9 26.9





#81
Benzo(a)anthracene
Concen: 46.200 ng
RT: 14.051 min Scan# 2016
Delta R.T. -0.006 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

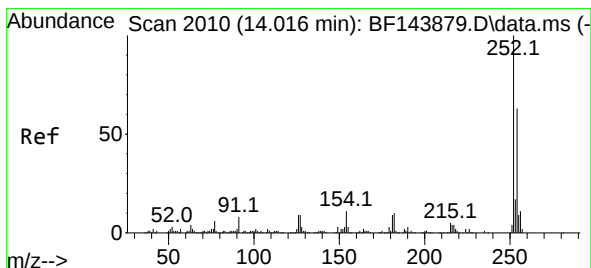
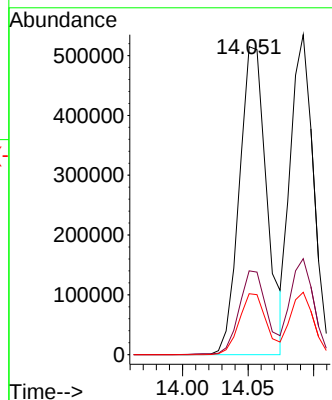
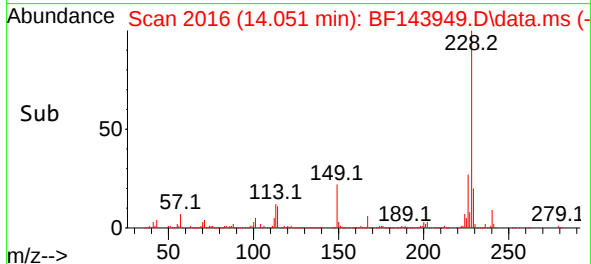
Instrument :
BNA_F
ClientSampleId :
PB170055BS



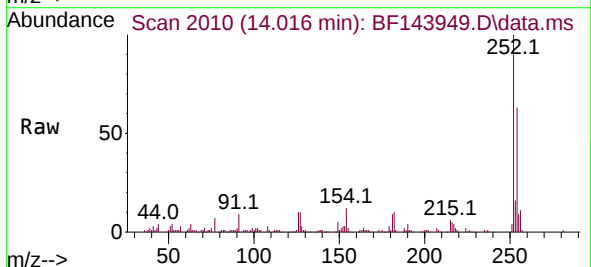
Tgt Ion:228 Resp: 747862
Ion Ratio Lower Upper
228 100
226 27.2 22.2 33.2
229 19.8 15.6 23.4

Manual Integrations
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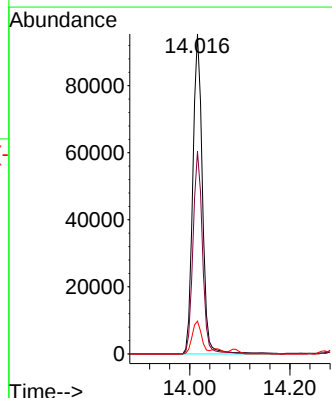
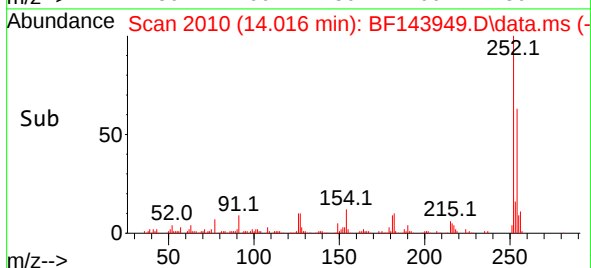
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

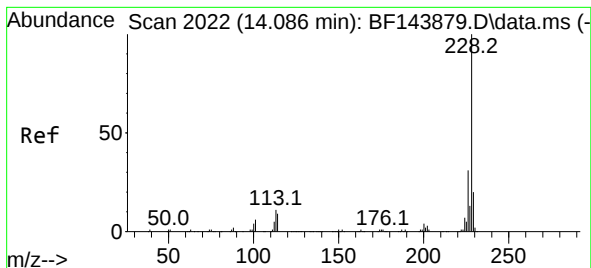


#82
3,3'-Dichlorobenzidine
Concen: 25.558 ng
RT: 14.016 min Scan# 2010
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



Tgt Ion:252 Resp: 126081
Ion Ratio Lower Upper
252 100
254 63.3 50.6 76.0
126 10.2 7.0 10.6





#83

Chrysene

Concen: 43.417 ng

RT: 14.092 min Scan# 2022

Delta R.T. 0.000 min

Lab File: BF143949.D

Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

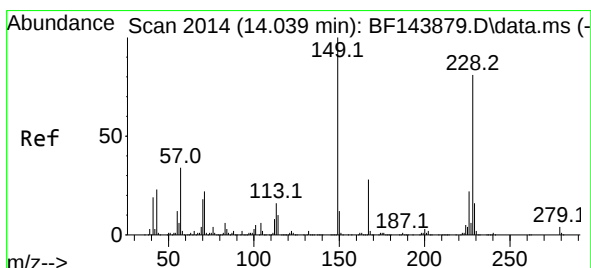
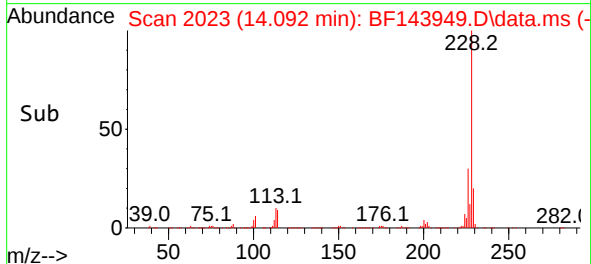
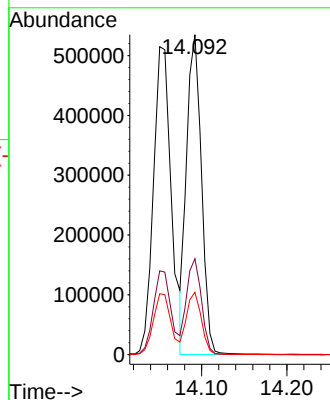
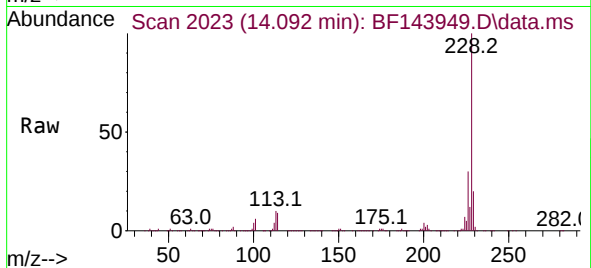
PB170055BS

Tgt Ion:	228	Resp:	650468
Ion Ratio	Lower	Upper	
228	100		
226	30.0	24.4	36.6
229	19.5	15.9	23.9

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#84

Bis(2-ethylhexyl)phthalate

Concen: 51.764 ng

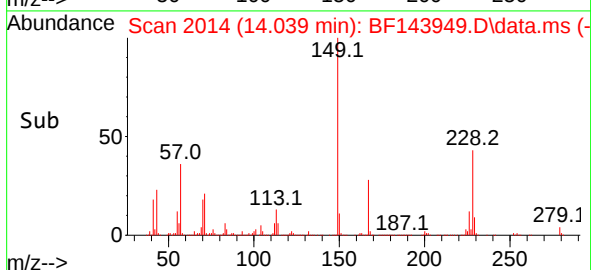
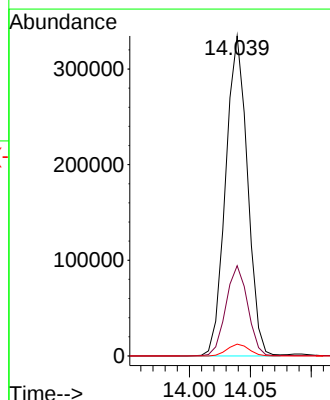
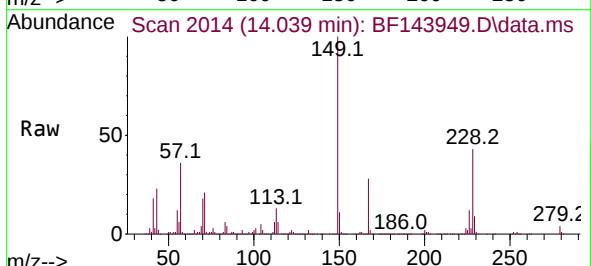
RT: 14.039 min Scan# 2014

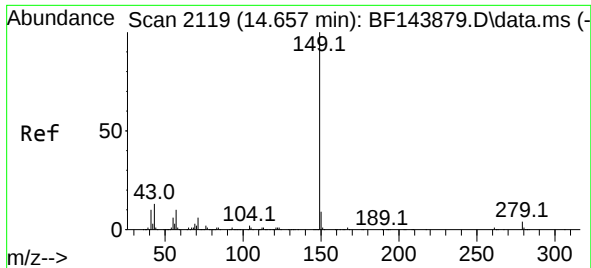
Delta R.T. 0.000 min

Lab File: BF143949.D

Acq: 14 Oct 2025 16:13

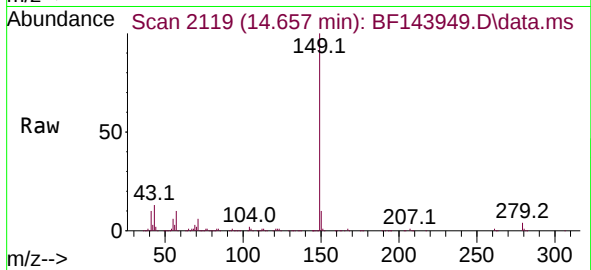
Tgt Ion:	149	Resp:	417913
Ion Ratio	Lower	Upper	
149	100		
167	28.2	22.2	33.4
279	3.7	3.1	4.7





#85
Di-n-octyl phthalate
Concen: 46.343 ng
RT: 14.657 min Scan# 2119
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

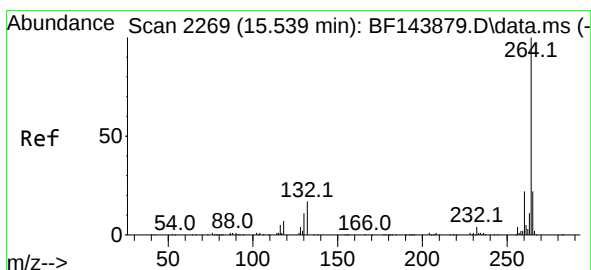
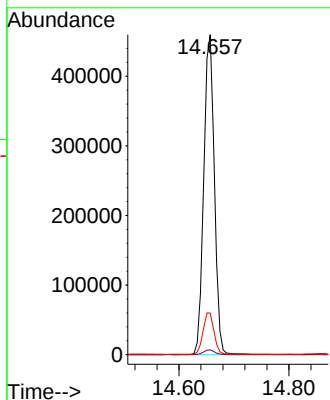
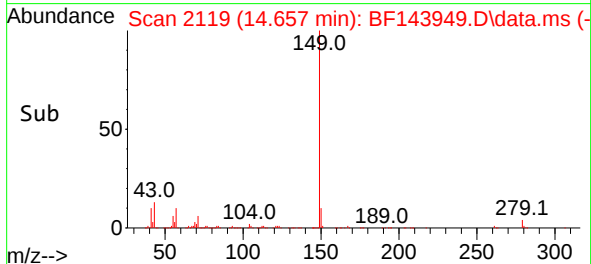
Instrument :
BNA_F
ClientSampleId :
PB170055BS



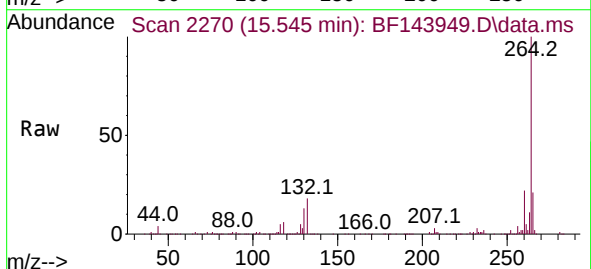
Tgt Ion:149 Resp: 614508
Ion Ratio Lower Upper
149 100
167 1.6 1.1 1.7
43 13.3 11.0 16.4

Manual Integrations
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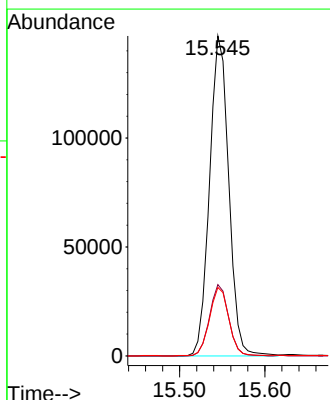
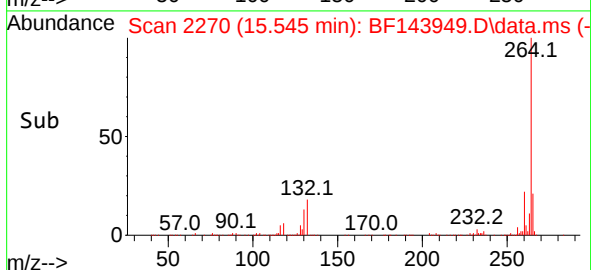
Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025

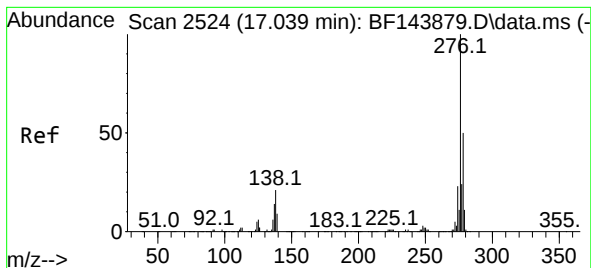


#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.000 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13



Tgt Ion:264 Resp: 229733
Ion Ratio Lower Upper
264 100
260 22.3 17.8 26.8
265 21.4 17.5 26.3





#87

Indeno(1,2,3-cd)pyrene

Concen: 50.773 ng

RT: 17.051 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF143949.D

Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

PB170055BS

Tgt Ion:276 Resp: 714723

Ion Ratio Lower Upper

276 100

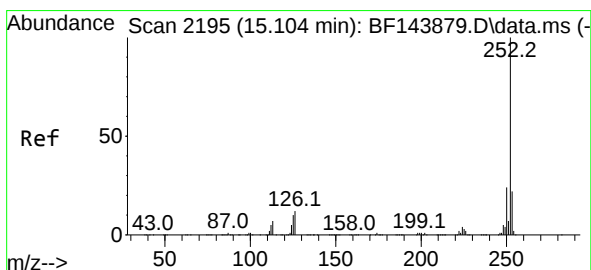
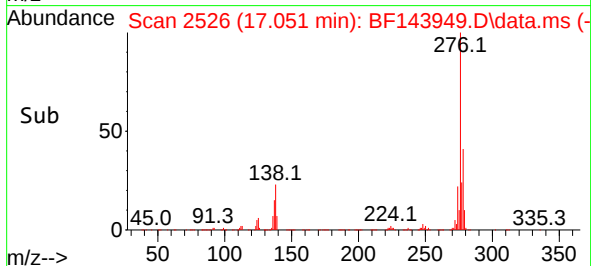
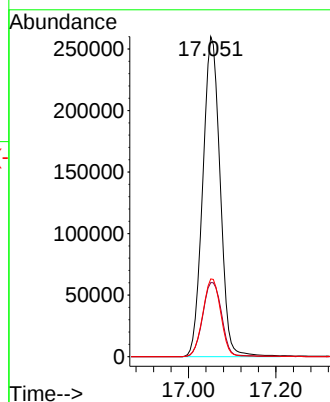
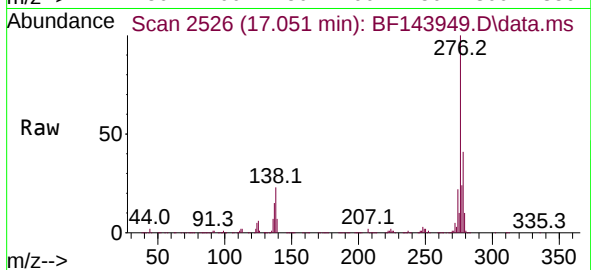
138 25.2 18.2 27.2

277 25.1 19.8 29.6

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#88

Benzo(b)fluoranthene

Concen: 46.591 ng

RT: 15.110 min Scan# 2196

Delta R.T. -0.006 min

Lab File: BF143949.D

Acq: 14 Oct 2025 16:13

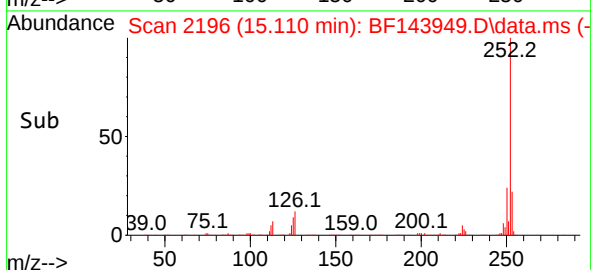
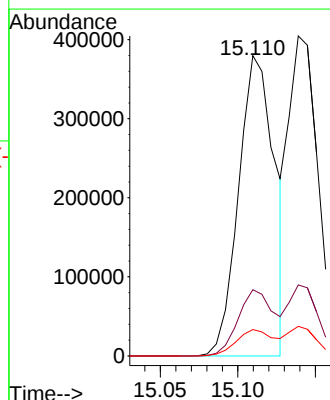
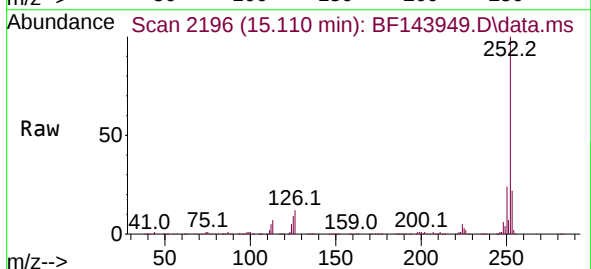
Tgt Ion:252 Resp: 614839

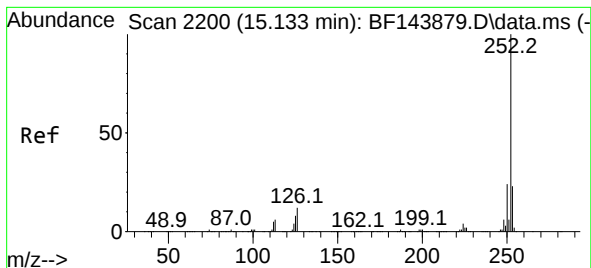
Ion Ratio Lower Upper

252 100

253 22.1 17.4 26.2

125 8.8 7.8 11.6





#89

Benzo(k)fluoranthene

Concen: 43.967 ng

RT: 15.139 min Scan# 21

Delta R.T. -0.006 min

Lab File: BF143949.D

Acq: 14 Oct 2025 16:13

Instrument :

BNA_F

ClientSampleId :

PB170055BS

Tgt Ion:252 Resp: 536880

Ion Ratio Lower Upper

252 100

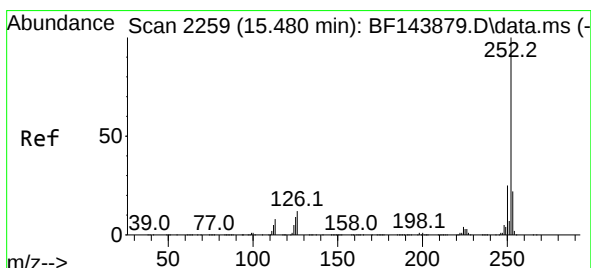
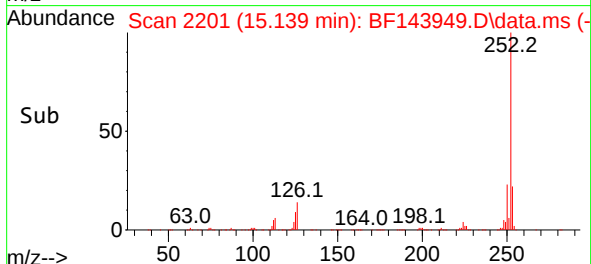
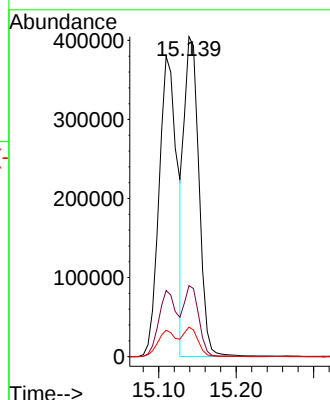
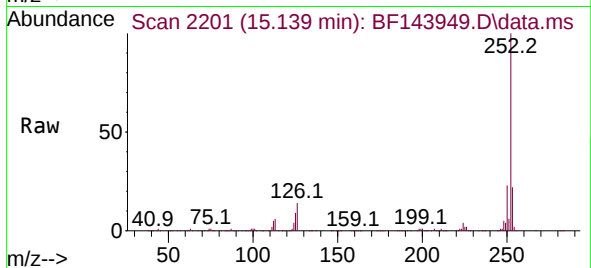
253 22.2 17.8 26.8

125 9.2 7.4 11.2

Manual Integrations

APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#90

Benzo(a)pyrene

Concen: 48.729 ng

RT: 15.486 min Scan# 2260

Delta R.T. 0.000 min

Lab File: BF143949.D

Acq: 14 Oct 2025 16:13

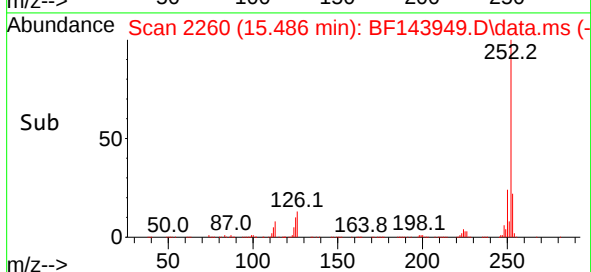
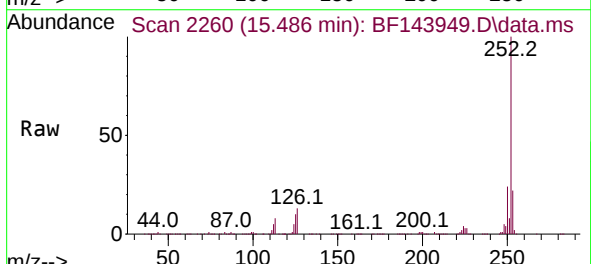
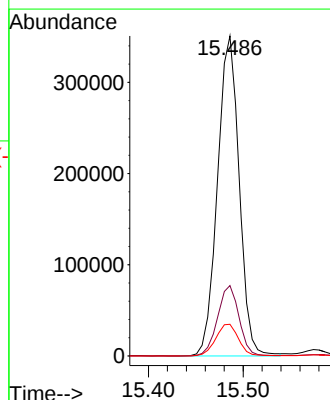
Tgt Ion:252 Resp: 557596

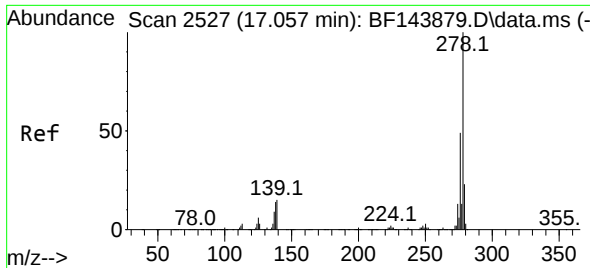
Ion Ratio Lower Upper

252 100

253 22.0 17.3 25.9

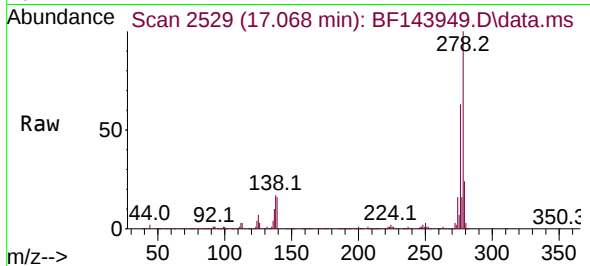
125 9.9 7.0 10.4





#91
Dibenzo(a,h)anthracene
Concen: 51.086 ng
RT: 17.068 min Scan# 2527
Delta R.T. -0.012 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

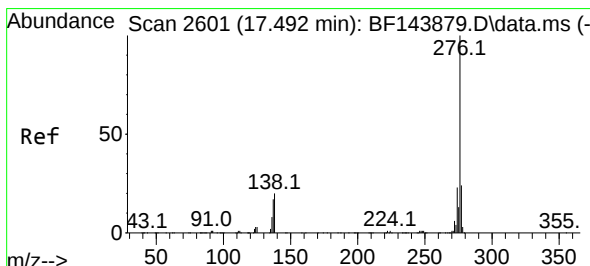
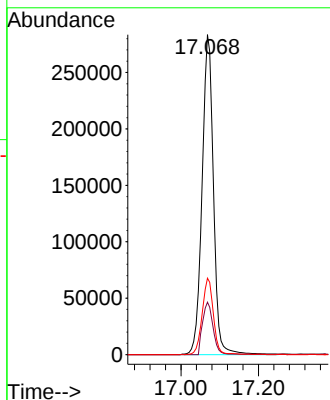
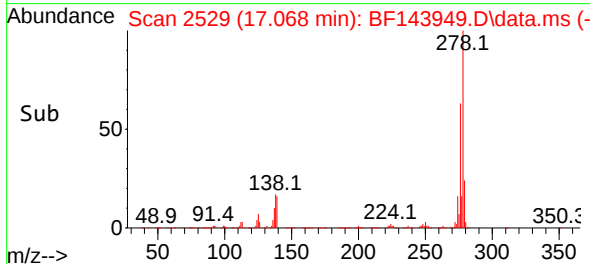
Instrument :
BNA_F
ClientSampleId :
PB170055BS



Tgt Ion:278 Resp: 578363
Ion Ratio Lower Upper
278 100
139 16.4 11.7 17.5
279 23.9 18.4 27.6

Manual Integrations
APPROVED

Reviewed By :Jagrut Upadhyay 10/14/2025
Supervised By :mohammad ahmed 10/17/2025



#92
Benzo(g,h,i)perylene
Concen: 51.912 ng
RT: 17.504 min Scan# 2603
Delta R.T. -0.012 min
Lab File: BF143949.D
Acq: 14 Oct 2025 16:13

Tgt Ion:276 Resp: 587725
Ion Ratio Lower Upper
276 100
277 24.2 19.0 28.6
138 22.4 16.1 24.1

