

Data Path : Z:\svoasrv\HPCHEM1\BNA_F\Data\BF102725\
 Data File : BF144076.D
 Acq On : 27 Oct 2025 11:27
 Operator : RC/JU
 Sample : PB170206BS
 Misc :
 ALS Vial : 4 Sample Multiplier: 1

Instrument :

BNA_F

ClientSampleId :

PB170206BS

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/28/2025

Supervised By :mohammad ahmed 10/30/2025

Quant Time: Oct 27 11:51:04 2025

Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M

Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION

QLast Update : Fri Oct 24 17:30:25 2025

Response via : Initial Calibration

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

Internal Standards						
1) 1,4-Dichlorobenzene-d4	6.881	152	61653	20.000	ng	0.00
21) Naphthalene-d8	8.163	136	230299	20.000	ng	0.00
39) Acenaphthene-d10	9.922	164	126935	20.000	ng	0.00
64) Phenanthrene-d10	11.410	188	219220	20.000	ng	0.00
76) Chrysene-d12	14.057	240	125508	20.000	ng	0.00
86) Perylene-d12	15.545	264	170803	20.000	ng	0.00
System Monitoring Compounds						
5) 2-Fluorophenol	5.504	112	420955	108.023	ng	0.01
7) Phenol-d6	6.510	99	483175	112.270	ng	0.00
23) Nitrobenzene-d5	7.446	82	329493	78.385	ng	0.00
42) 2,4,6-Tribromophenol	10.716	330	196142	121.307	ng	0.00
45) 2-Fluorobiphenyl	9.240	172	702060	77.831	ng	0.00
79) Terphenyl-d14	12.998	244	687311	95.737	ng	0.00
Target Compounds						Qvalue
2) 1,4-Dioxane	2.711	88	55486	32.950	ng	95
3) Pyridine	3.475	79	162952	36.146	ng	98
4) n-Nitrosodimethylamine	3.422	42	112032	40.443	ng	98
6) Aniline	6.546	93	197243	32.035	ng	98
8) 2-Chlorophenol	6.663	128	154526	40.266	ng	100
9) Benzaldehyde	6.434	77	83201	24.900	ng	98
10) Phenol	6.522	94	208508	39.271	ng	96
11) bis(2-Chloroethyl)ether	6.616	93	157180	40.968	ng	97
12) 1,3-Dichlorobenzene	6.822	146	194241	41.031	ng	99
13) 1,4-Dichlorobenzene	6.898	146	197064	42.240	ng	98
14) 1,2-Dichlorobenzene	7.051	146	188767	41.817	ng	100
15) Benzyl Alcohol	7.022	79	152455	43.566	ng	96
16) 2,2'-oxybis(1-Chloropr...	7.151	45	299293	41.507	ng	97
17) 2-Methylphenol	7.134	107	121478	41.157	ng	98
18) Hexachloroethane	7.393	117	66701	39.990	ng	99
19) n-Nitroso-di-n-propyla...	7.293	70	122621	44.060	ng	96
20) 3+4-Methylphenols	7.281	107	149120	42.737	ng	93
22) Acetophenone	7.287	105	234112	47.038	ng	100
24) Nitrobenzene	7.463	77	183540	41.276	ng	100
25) Isophorone	7.698	82	329004	44.768	ng	99
26) 2-Nitrophenol	7.781	139	92552	43.752	ng	94
27) 2,4-Dimethylphenol	7.810	122	149796	47.652	ng	100
28) bis(2-Chloroethoxy)met...	7.910	93	200900	43.835	ng	100
29) 2,4-Dichlorophenol	8.022	162	153673	42.036	ng	99
30) 1,2,4-Trichlorobenzene	8.104	180	166768	44.342	ng	97
31) Naphthalene	8.187	128	449660	41.369	ng	99
32) Benzoic acid	7.934	122	101741	51.023	ng	87
33) 4-Chloroaniline	8.234	127	87921	23.236	ng	97
34) Hexachlorobutadiene	8.298	225	124657	40.536	ng	98
35) Caprolactam	8.598	113	43523m	47.476	ng	
36) 4-Chloro-3-methylphenol	8.716	107	142318	44.115	ng	98
37) 2-Methylnaphthalene	8.875	142	277936	38.783	ng	96
38) 1-Methylnaphthalene	8.975	142	282025	41.538	ng	98
40) 1,2,4,5-Tetrachloroben...	9.045	216	193244	44.297	ng	99
41) Hexachlorocyclopentadiene	9.028	237	180317	133.824	ng	98
43) 2,4,6-Trichlorophenol	9.157	196	121463	42.835	ng	99

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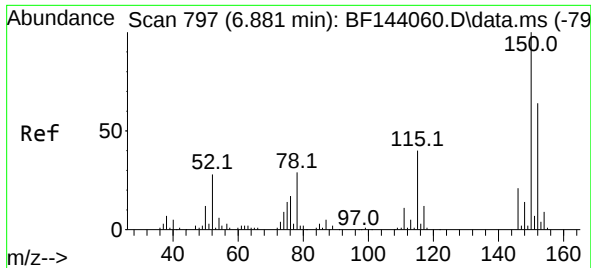
Manual Integrations
 APPROVED

Reviewed By :Rahul Chavli 10/28/2025
 Supervised By :mohammad ahmed 10/30/2025

Quant Time: Oct 27 11:51:04 2025
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_F\Methods\8270-BF102425.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Fri Oct 24 17:30:25 2025
 Response via : Initial Calibration

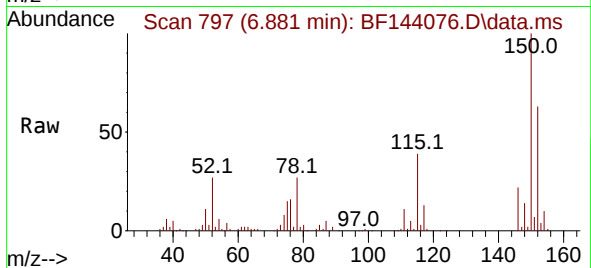
Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
44) 2,4,5-Trichlorophenol	9.198	196	131752	44.272	ng	94
46) 1,1'-Biphenyl	9.339	154	416023	45.784	ng	100
47) 2-Chloronaphthalene	9.369	162	317814	41.749	ng	97
48) 2-Nitroaniline	9.463	65	100849	44.613	ng	98
49) Acenaphthylene	9.781	152	488250	47.567	ng	99
50) Dimethylphthalate	9.639	163	365152	43.887	ng	100
51) 2,6-Dinitrotoluene	9.704	165	76797	46.689	ng	94
52) Acenaphthene	9.957	154	309791	45.192	ng	98
53) 3-Nitroaniline	9.875	138	53614	29.317	ng	99
54) 2,4-Dinitrophenol	9.987	184	84812	95.333	ng	96
55) Dibenzofuran	10.128	168	408424	42.917	ng	97
56) 4-Nitrophenol	10.039	139	103237	83.365	ng	95
57) 2,4-Dinitrotoluene	10.110	165	102869	46.338	ng	95
58) Fluorene	10.469	166	314278	43.341	ng	98
59) 2,3,4,6-Tetrachlorophenol	10.245	232	101160m	48.238	ng	
60) Diethylphthalate	10.339	149	344494	44.027	ng	99
61) 4-Chlorophenyl-phenyle...	10.463	204	176970	43.398	ng	98
62) 4-Nitroaniline	10.492	138	73871	42.632	ng	96
63) Azobenzene	10.622	77	318812	43.049	ng	99
65) 4,6-Dinitro-2-methylph...	10.522	198	60591	43.080	ng	96
66) n-Nitrosodiphenylamine	10.581	169	306085	43.700	ng	98
67) 4-Bromophenyl-phenylether	10.951	248	118355	43.120	ng	99
68) Hexachlorobenzene	11.022	284	147792	43.904	ng	97
69) Atrazine	11.110	200	98315	42.776	ng	99
70) Pentachlorophenol	11.216	266	143887	89.799	ng	97
71) Phenanthrene	11.439	178	457094	41.974	ng	98
72) Anthracene	11.486	178	467889	41.592	ng	99
73) Carbazole	11.645	167	388915	40.617	ng	98
74) Di-n-butylphthalate	11.969	149	470696	40.095	ng	100
75) Fluoranthene	12.628	202	448694	37.294	ng	99
77) Benzidine	12.751	184	125022	32.007	ng	99
78) Pyrene	12.857	202	459771	50.955	ng	99
80) Butylbenzylphthalate	13.475	149	154922	45.384	ng	99
81) Benzo(a)anthracene	14.051	228	391028	46.101	ng	99
82) 3,3'-Dichlorobenzidine	14.010	252	89667	30.369	ng	99
83) Chrysene	14.086	228	343256	43.126	ng	99
84) Bis(2-ethylhexyl)phtha...	14.033	149	197242	42.325	ng	98
85) Di-n-octyl phthalate	14.645	149	346250	43.204	ng	99
87) Indeno(1,2,3-cd)pyrene	17.057	276	537768	45.859	ng	99
88) Benzo(b)fluoranthene	15.110	252	421925	43.695	ng	99
89) Benzo(k)fluoranthene	15.139	252	387464	43.491	ng	99
90) Benzo(a)pyrene	15.480	252	403459	46.574	ng	98
91) Dibenzo(a,h)anthracene	17.068	278	430920	46.423	ng	99
92) Benzo(g,h,i)perylene	17.510	276	449738	48.190	ng	98

(#) = 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. -0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

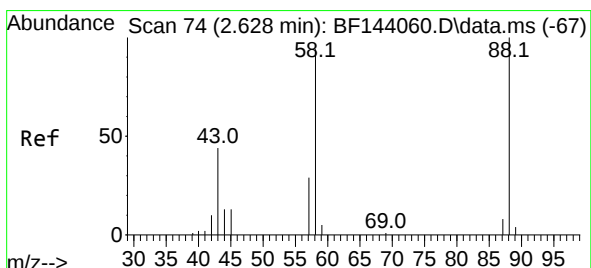
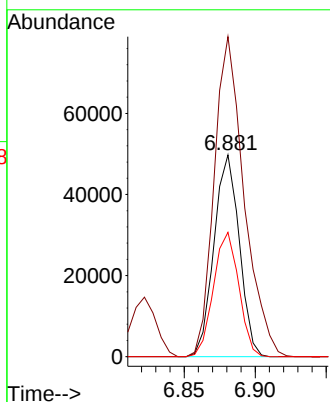
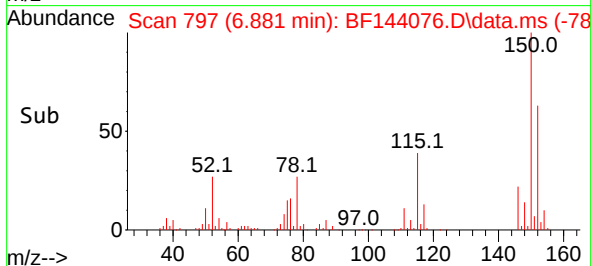
Instrument :
BNA_F
ClientSampleId :
PB170206BS



Tgt Ion:152 Resp: 6165
Ion Ratio Lower Upper
152 100
150 158.6 124.4 186.6
115 61.6 49.4 74.0

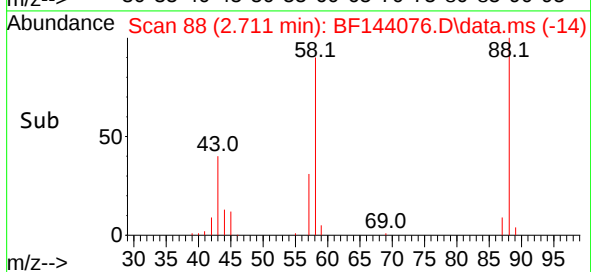
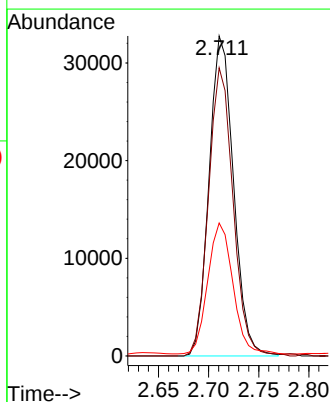
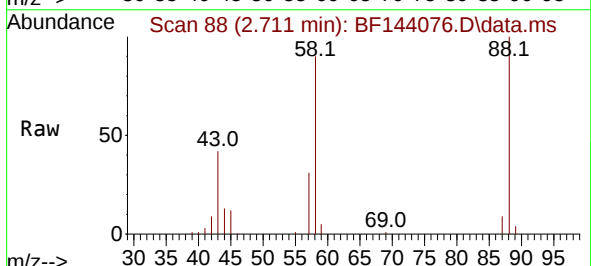
Manual Integrations
APPROVED

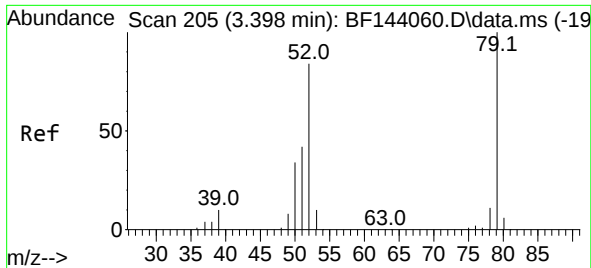
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025



#2
1,4-Dioxane
Concen: 32.950 ng
RT: 2.711 min Scan# 88
Delta R.T. 0.083 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

Tgt Ion: 88 Resp: 55486
Ion Ratio Lower Upper
88 100
58 90.6 76.5 114.7
43 42.1 35.3 52.9





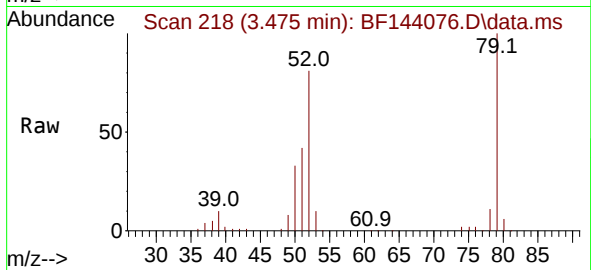
#3
Pyridine
Concen: 36.146 ng
RT: 3.475 min Scan# 21
Delta R.T. 0.077 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

Instrument :

BNA_F

ClientSampleId :

PB170206BS

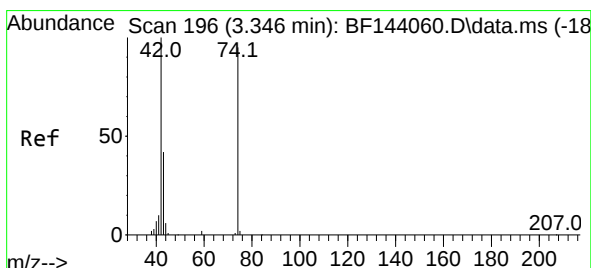
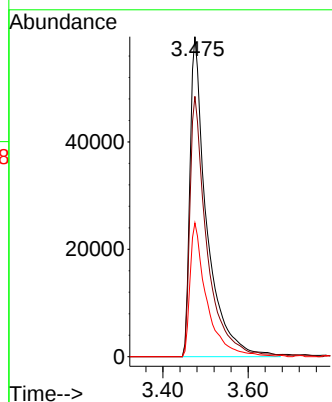
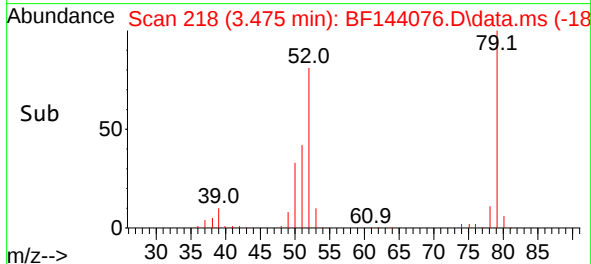


Tgt Ion: 79 Resp: 162952
Ion Ratio Lower Upper
79 100
52 81.4 67.5 101.3
51 41.8 33.6 50.4

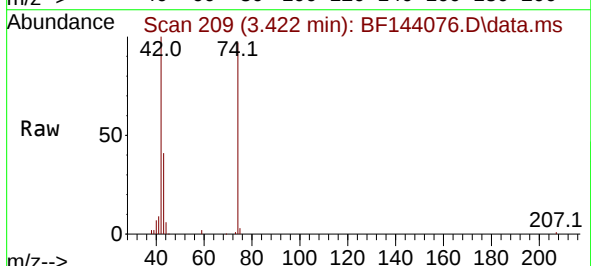
Manual Integrations

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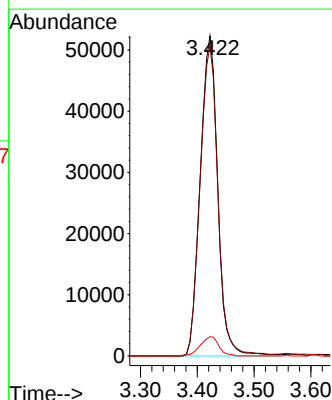
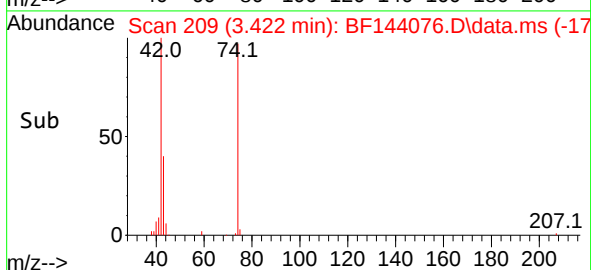
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Supervised By :mohammad ahmed 10/30/2025

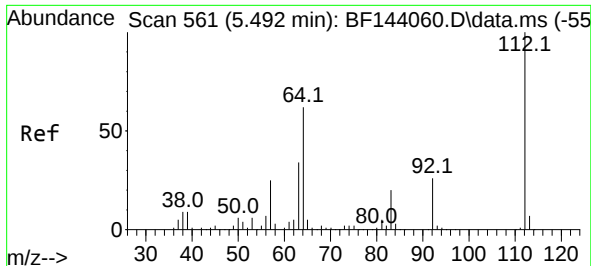


#4
n-Nitrosodimethylamine
Concen: 40.443 ng
RT: 3.422 min Scan# 209
Delta R.T. 0.077 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27



Tgt Ion: 42 Resp: 112032
Ion Ratio Lower Upper
42 100
74 97.0 76.4 114.6
44 6.0 5.2 7.8





#5
2-Fluorophenol
Concen: 108.023 ng
RT: 5.504 min Scan# 50
Delta R.T. 0.012 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

Instrument :

BNA_F

ClientSampleId :

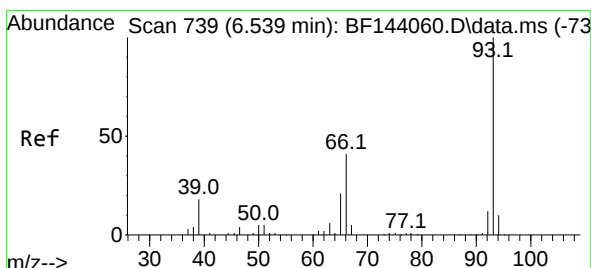
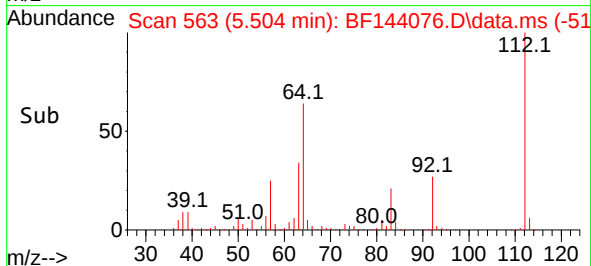
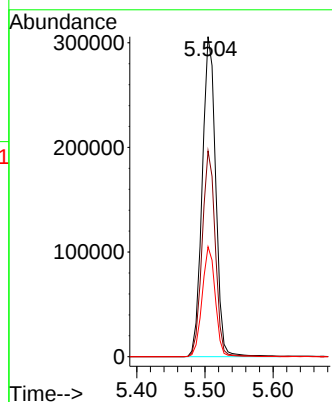
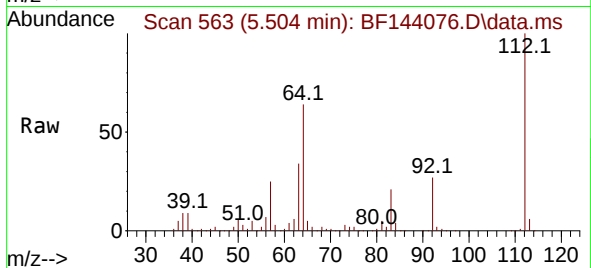
PB170206BS

Tgt Ion:112 Resp: 42095
Ion Ratio Lower Upper
112 100
64 64.3 49.8 74.8
63 34.3 27.4 41.2

Manual Integrations

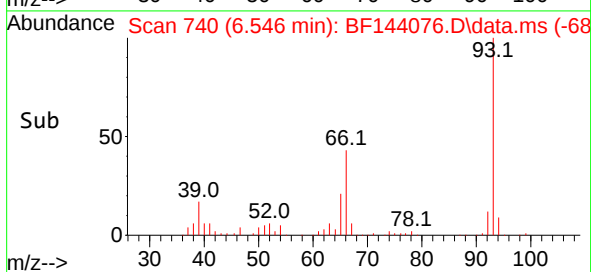
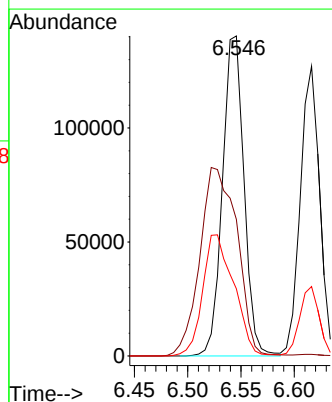
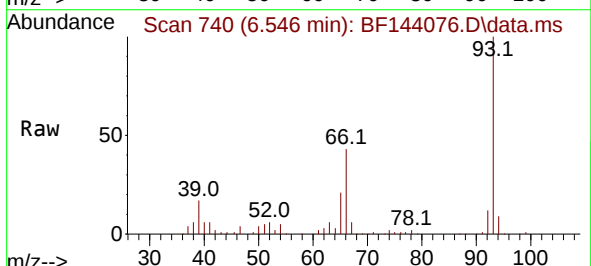
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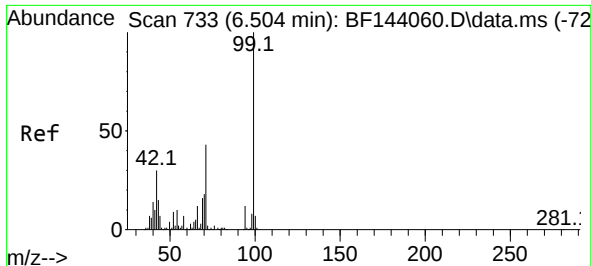
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025



#6
Aniline
Concen: 32.035 ng
RT: 6.546 min Scan# 740
Delta R.T. 0.006 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

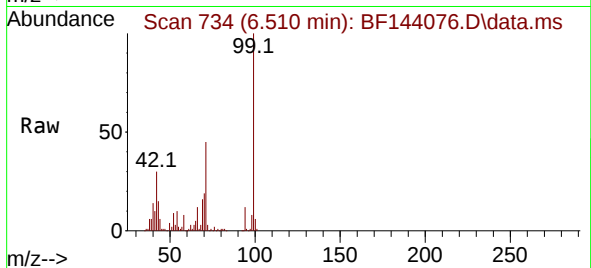
Tgt Ion: 93 Resp: 197243
Ion Ratio Lower Upper
93 100
66 42.7 35.7 53.5
65 21.0 17.0 25.6





#7
Phenol-d6
Concen: 112.270 ng
RT: 6.510 min Scan# 733
Delta R.T. 0.006 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

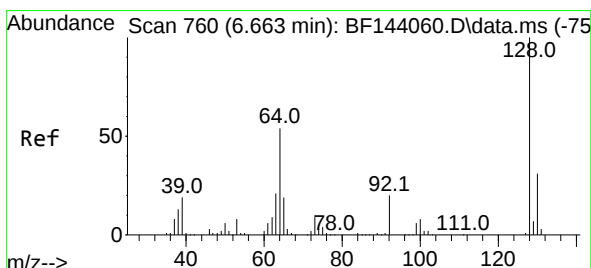
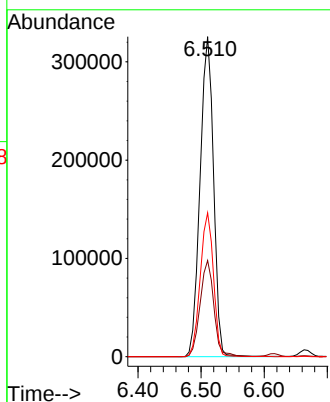
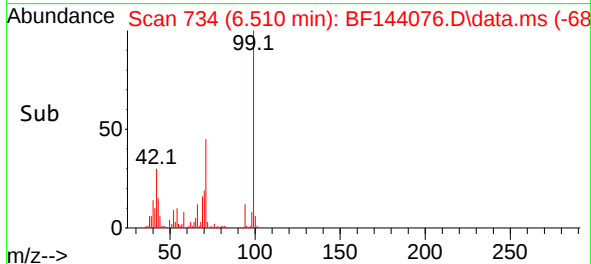
Instrument :
BNA_F
ClientSampleId :
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Tgt Ion: 99 Resp: 48317
Ion Ratio Lower Upper
99 100
42 30.0 23.9 35.9
71 45.0 34.4 51.6

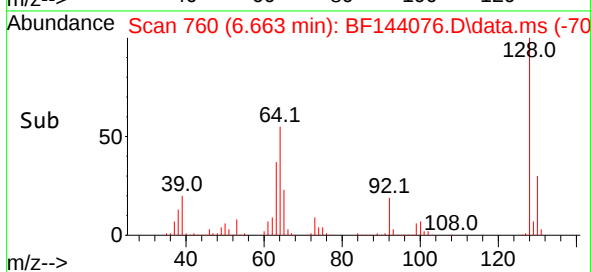
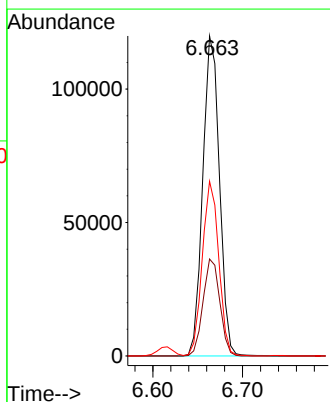
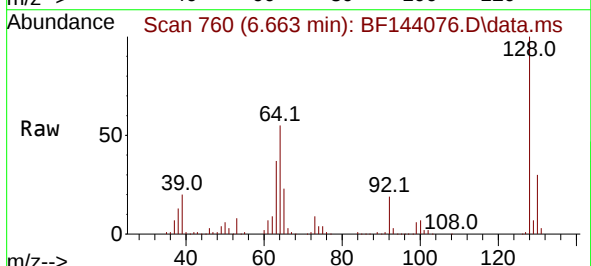
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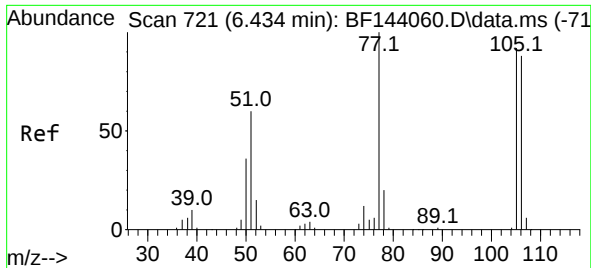
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025



#8
2-Chlorophenol
Concen: 40.266 ng
RT: 6.663 min Scan# 760
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

Tgt Ion:128 Resp: 154526
Ion Ratio Lower Upper
128 100
130 30.3 10.7 50.7
64 54.6 34.7 74.7





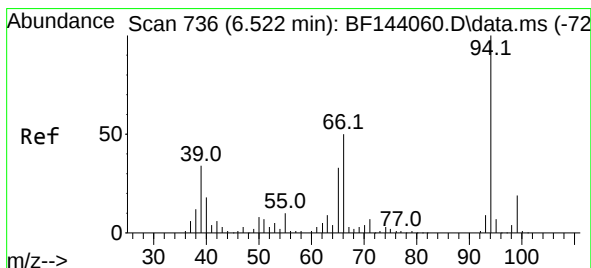
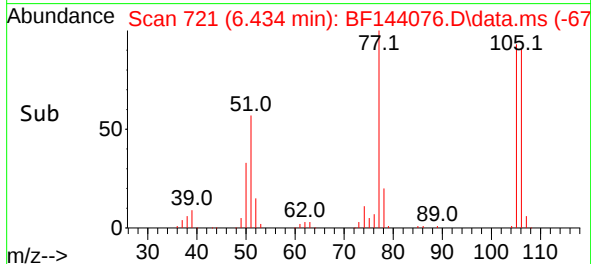
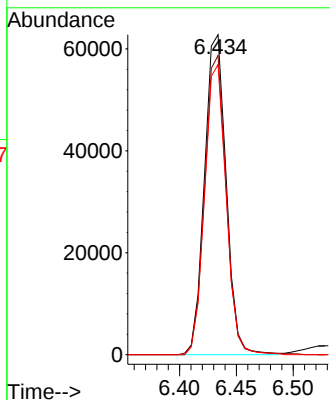
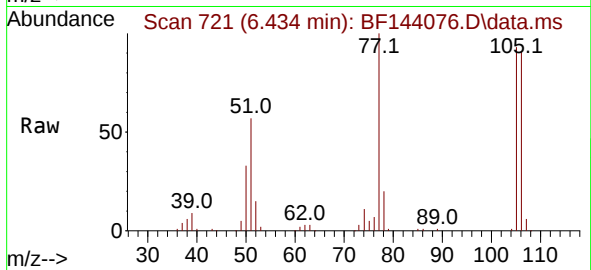
#9
Benzaldehyde
Concen: 24.900 ng
RT: 6.434 min Scan# 721
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

Instrument :
BNA_F
ClientSampleId :
PB170206BS

Tgt Ion: 77 Resp: 8320
Ion Ratio Lower Upper
77 100
105 93.5 72.2 112.2
106 90.7 67.9 107.9

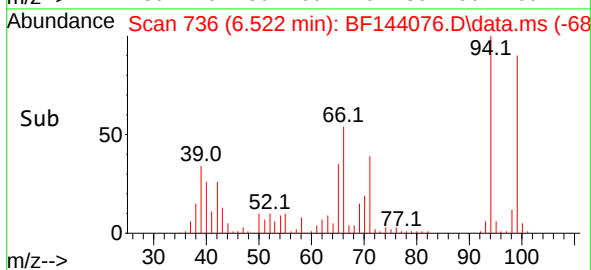
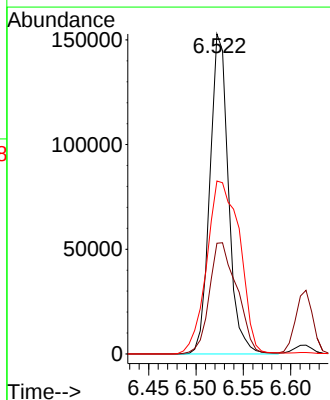
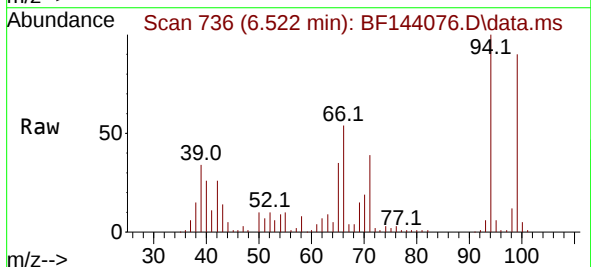
Manual Integrations
APPROVED

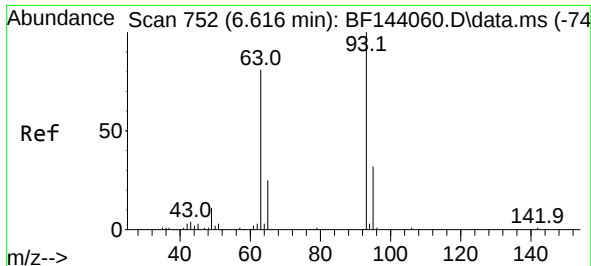
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025



#10
Phenol
Concen: 39.271 ng
RT: 6.522 min Scan# 736
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

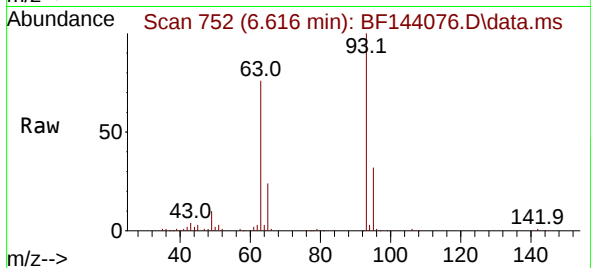
Tgt Ion: 94 Resp: 208508
Ion Ratio Lower Upper
94 100
65 34.6 13.1 53.1
66 54.1 30.6 70.6





#11
bis(2-Chloroethyl)ether
Concen: 40.968 ng
RT: 6.616 min Scan# 752
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

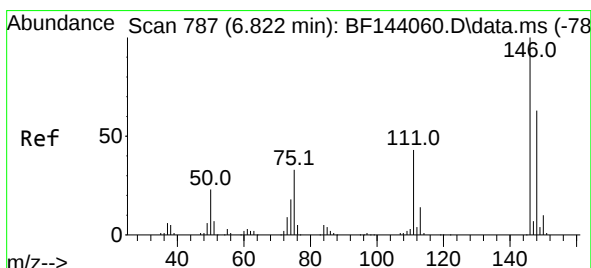
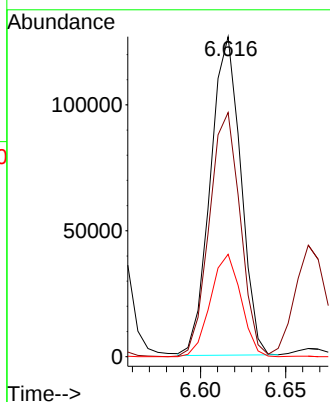
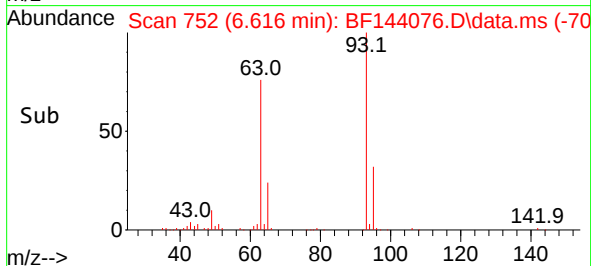
Instrument :
BNA_F
ClientSampleId :
PB170206BS



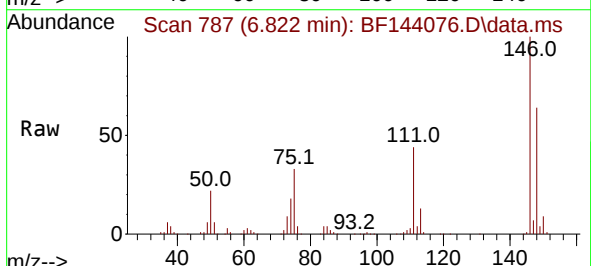
Tgt Ion: 93 Resp: 157180
Ion Ratio Lower Upper
93 100
63 76.3 60.2 100.2
95 32.0 12.4 52.4

Manual Integrations
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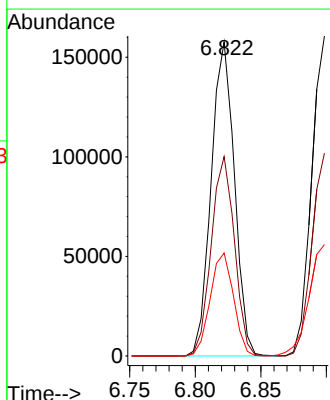
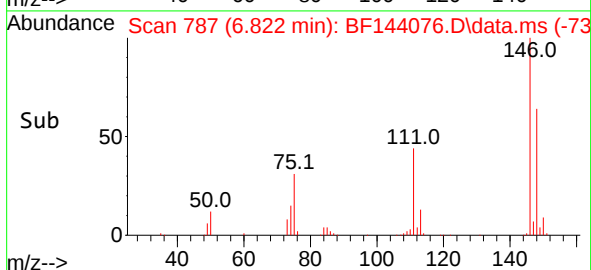
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025

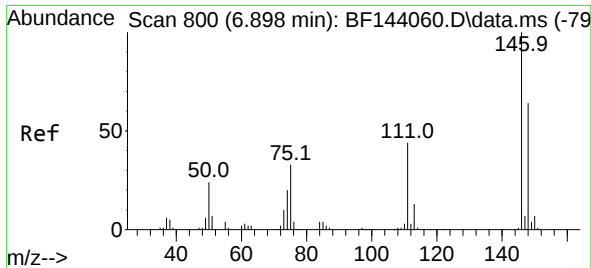


#12
1,3-Dichlorobenzene
Concen: 41.031 ng
RT: 6.822 min Scan# 787
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27



Tgt Ion:146 Resp: 194241
Ion Ratio Lower Upper
146 100
148 63.5 50.6 75.8
75 32.8 26.6 40.0





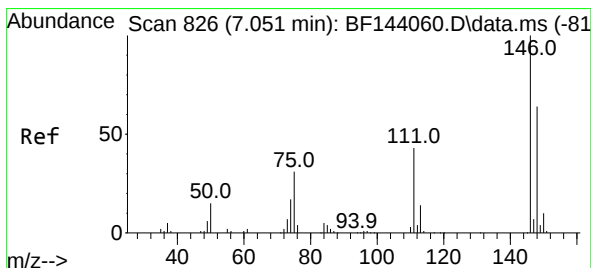
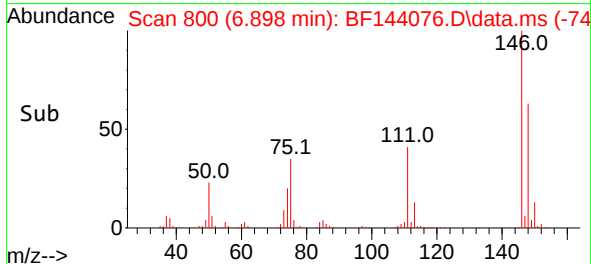
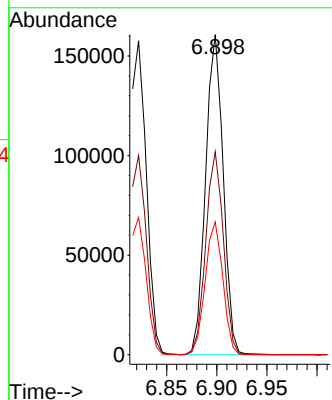
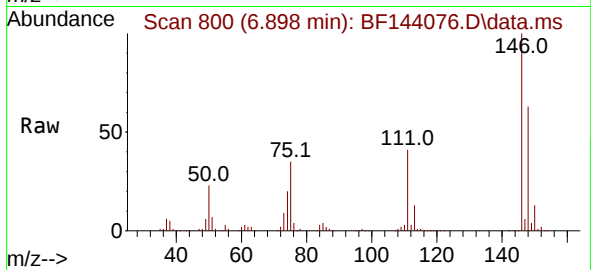
#13
1,4-Dichlorobenzene
Concen: 42.240 ng
RT: 6.898 min Scan# 800
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

Instrument :
BNA_F
ClientSampleId :
PB170206BS

Tgt Ion:146 Resp: 197064
Ion Ratio Lower Upper
146 100
148 63.4 51.0 76.6
111 41.5 35.0 52.6

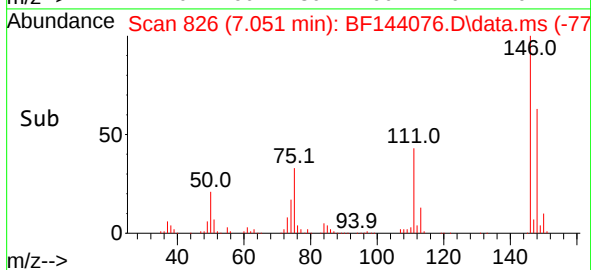
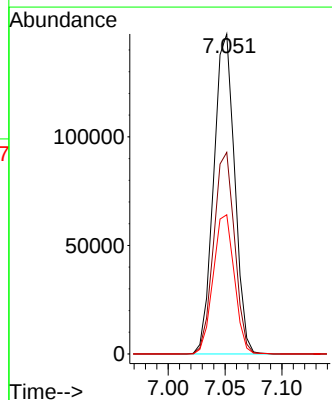
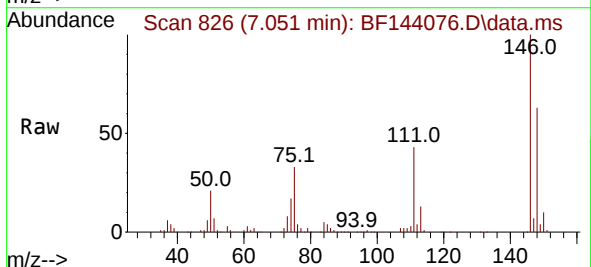
Manual Integrations
APPROVED

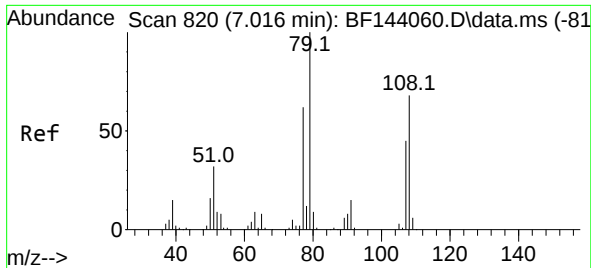
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025



#14
1,2-Dichlorobenzene
Concen: 41.817 ng
RT: 7.051 min Scan# 826
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

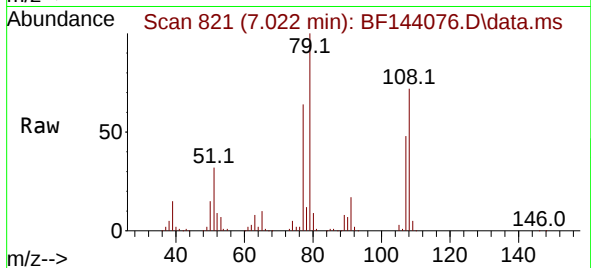
Tgt Ion:146 Resp: 188767
Ion Ratio Lower Upper
146 100
148 63.0 50.8 76.2
111 43.5 34.7 52.1





#15
Benzyl Alcohol
Concen: 43.566 ng
RT: 7.022 min Scan# 81
Delta R.T. 0.006 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

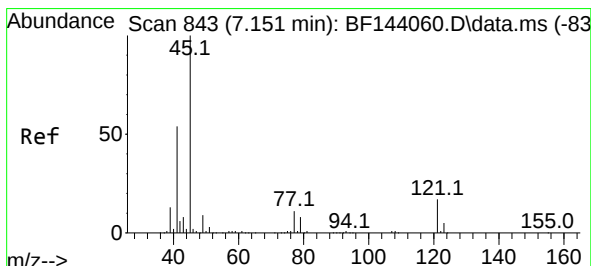
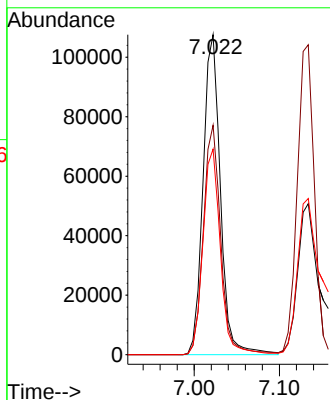
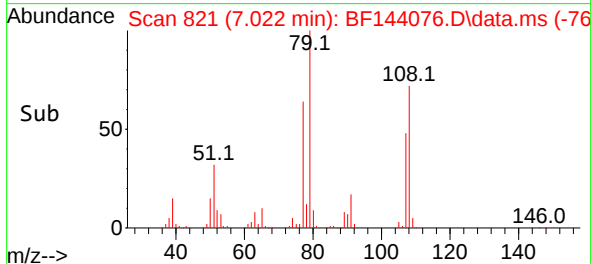
Instrument :
BNA_F
ClientSampleId :
PB170206BS



Tgt Ion: 79 Resp: 15245
Ion Ratio Lower Upper
79 100
108 71.7 54.8 82.2
77 64.3 49.4 74.0

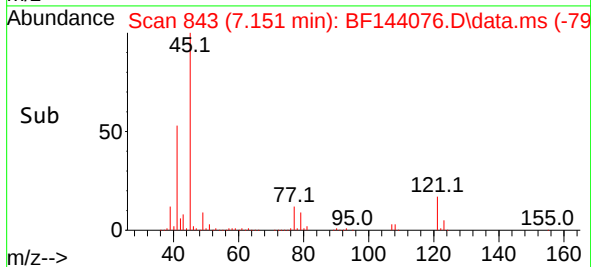
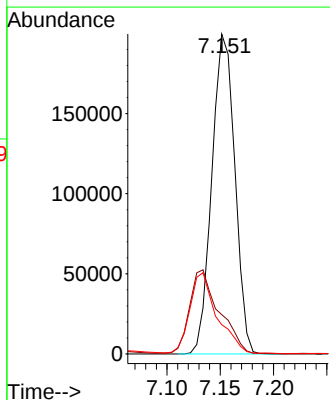
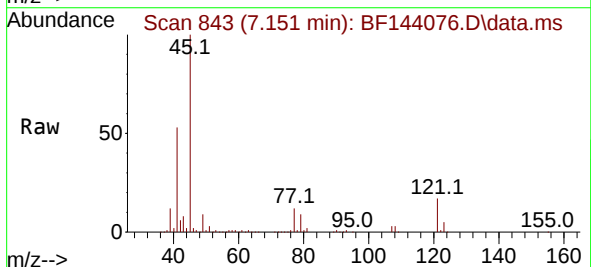
Manual Integrations
APPROVED

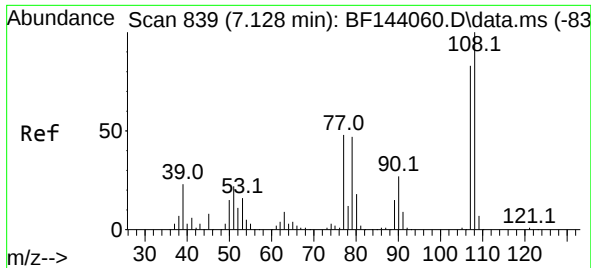
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025



#16
2,2'-oxybis(1-Chloropropane)
Concen: 41.507 ng
RT: 7.151 min Scan# 843
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

Tgt Ion: 45 Resp: 299293
Ion Ratio Lower Upper
45 100
77 12.3 0.0 30.9
79 9.2 0.0 28.2





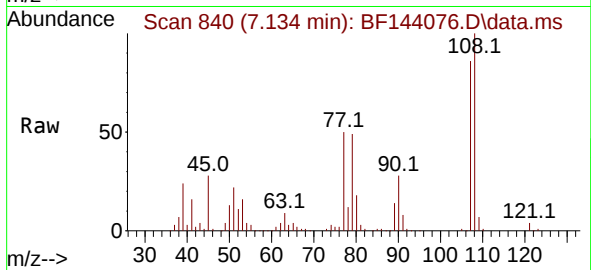
#17
2-Methylphenol
Concen: 41.157 ng
RT: 7.134 min Scan# 840
Delta R.T. 0.006 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

Instrument :

BNA_F

ClientSampleId :

PB170206BS

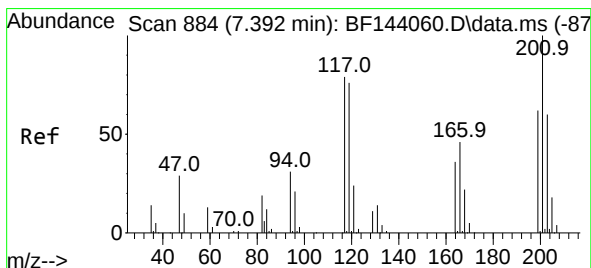
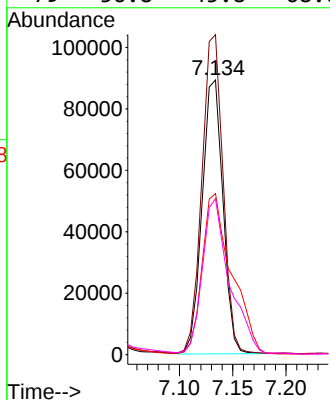
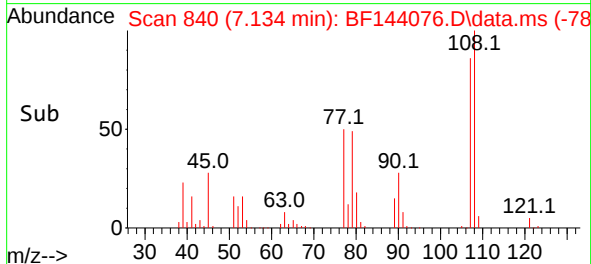


Tgt Ion:107 Resp: 121478
Ion Ratio Lower Upper
107 100
108 116.5 96.4 144.6
77 58.7 46.8 70.2
79 56.8 45.8 68.6

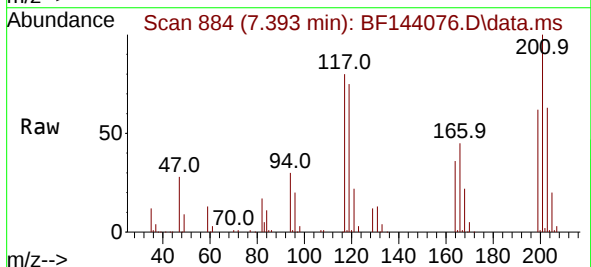
Manual Integrations

APPROVED

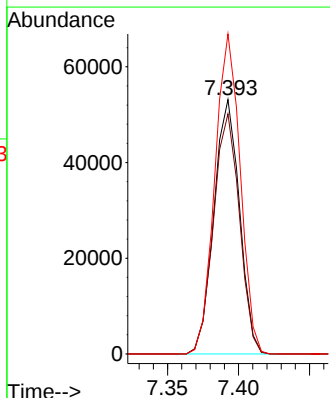
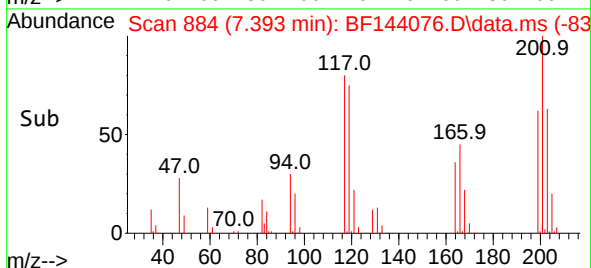
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025

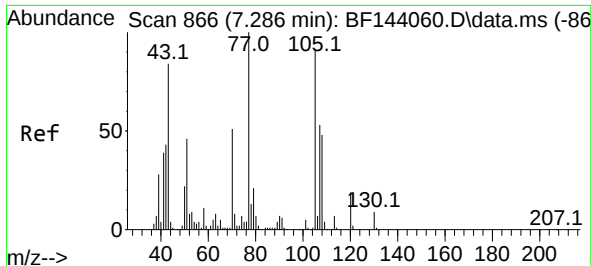


#18
Hexachloroethane
Concen: 39.990 ng
RT: 7.393 min Scan# 884
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27



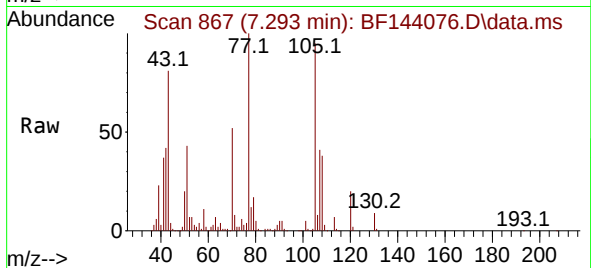
Tgt Ion:117 Resp: 66701
Ion Ratio Lower Upper
117 100
119 94.4 76.6 115.0
201 125.8 100.9 151.3





#19
n-Nitroso-di-n-propylamine
Concen: 44.060 ng
RT: 7.293 min Scan# 867
Delta R.T. 0.006 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

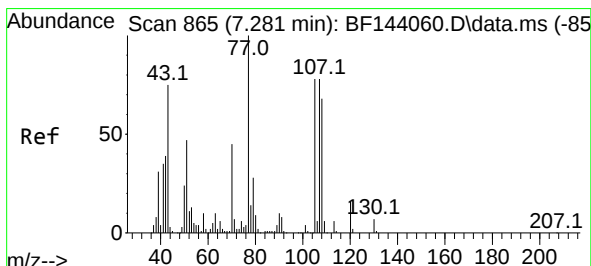
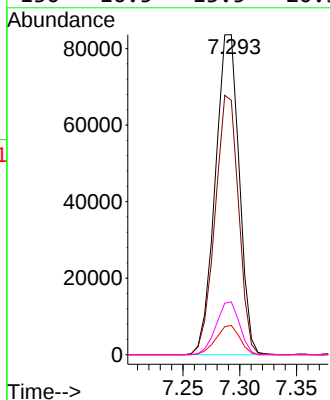
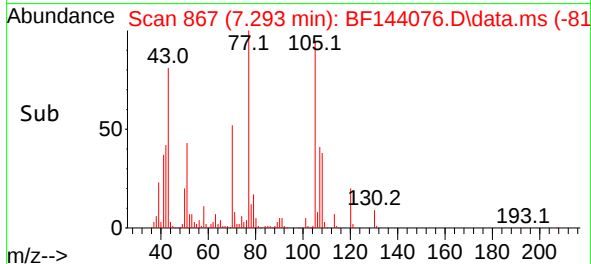
Instrument :
BNA_F
ClientSampleId :
PB170206BS



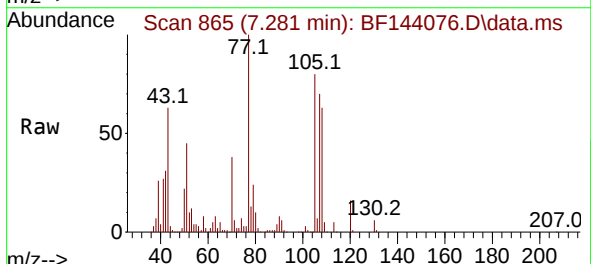
Tgt Ion: 70 Resp: 12262
Ion Ratio Lower Upper
70 100
42 79.5 67.4 101.0
101 9.1 7.1 10.7
130 16.5 13.5 20.3

Manual Integrations
APPROVED

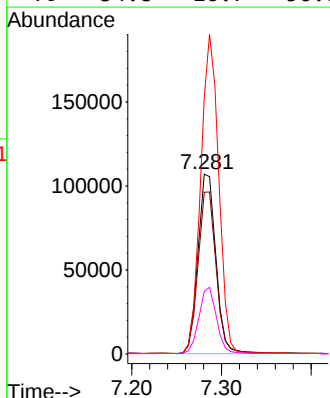
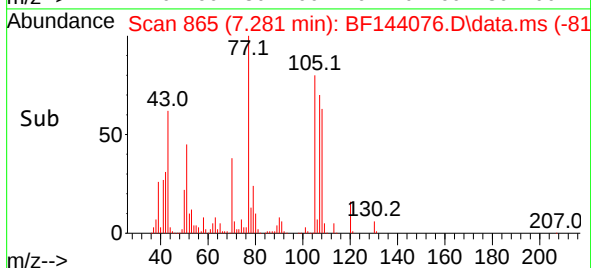
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025

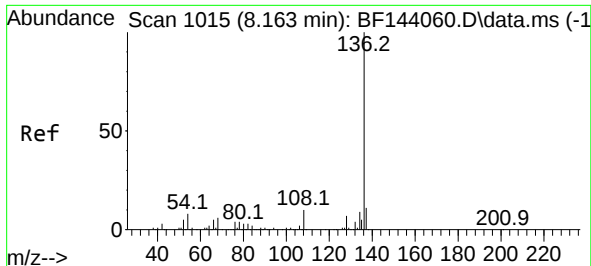


#20
3+4-Methylphenols
Concen: 42.737 ng
RT: 7.281 min Scan# 865
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27



Tgt Ion:107 Resp: 149120
Ion Ratio Lower Upper
107 100
108 89.9 68.0 108.0
77 142.8 108.7 148.7
79 34.8 16.7 56.7





#21
Naphthalene-d8
Concen: 20.000 ng
RT: 8.163 min Scan# 1015
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

Instrument :

BNA_F

ClientSampleId :

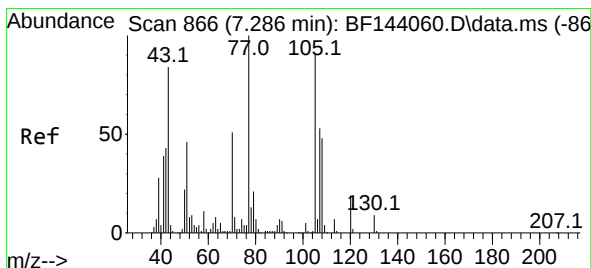
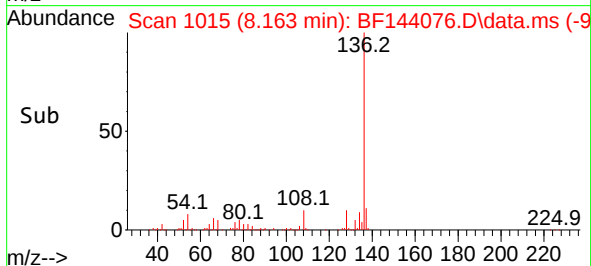
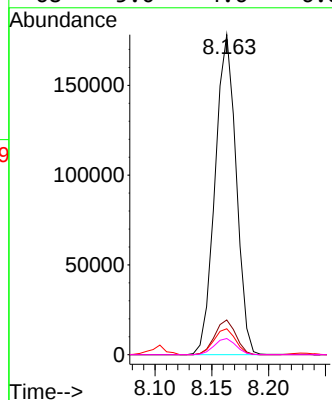
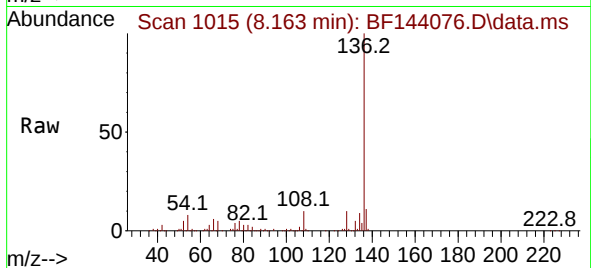
PB170206BS

Tgt Ion:136 Resp: 230295
Ion Ratio Lower Upper
136 100
137 10.9 8.6 13.0
54 8.1 6.6 9.8
68 5.0 4.6 6.8

Manual Integrations

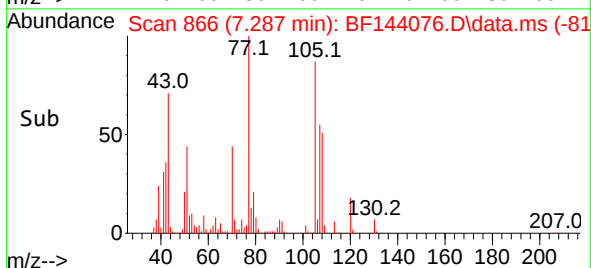
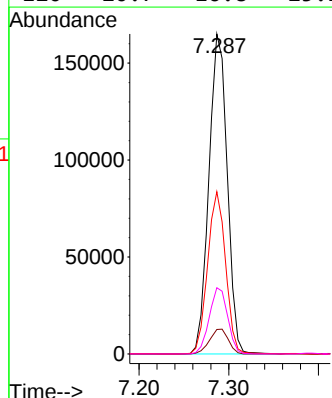
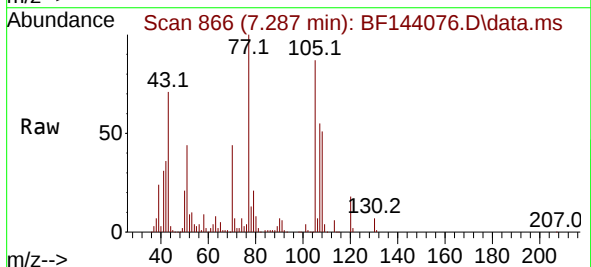
APPROVED

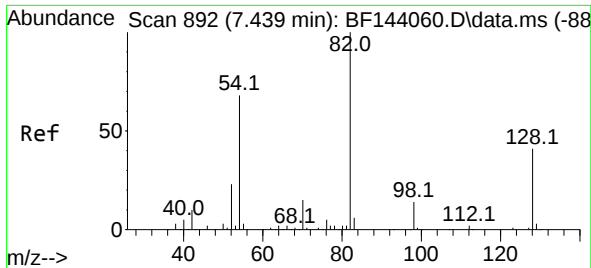
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025



#22
Acetophenone
Concen: 47.038 ng
RT: 7.287 min Scan# 866
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

Tgt Ion:105 Resp: 234112
Ion Ratio Lower Upper
105 100
71 7.6 6.9 10.3
51 50.7 40.6 60.8
120 20.7 16.8 25.2





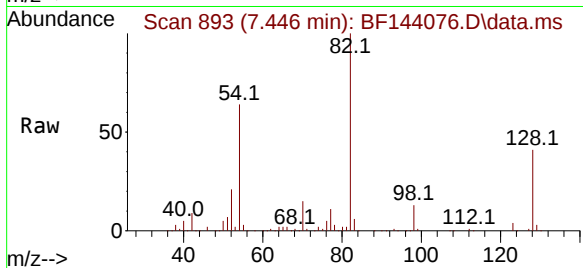
#23
Nitrobenzene-d5
Concen: 78.385 ng
RT: 7.446 min Scan# 892
Delta R.T. 0.006 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

Instrument :

BNA_F

ClientSampleId :

PB170206BS

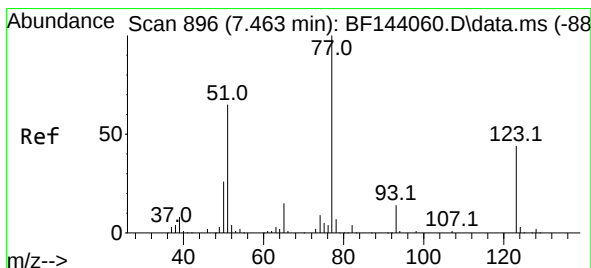
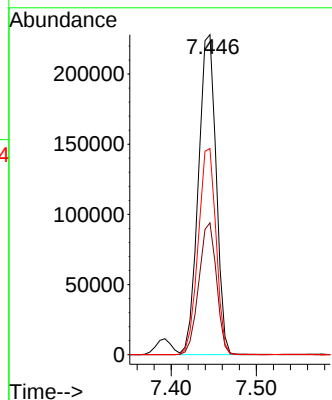
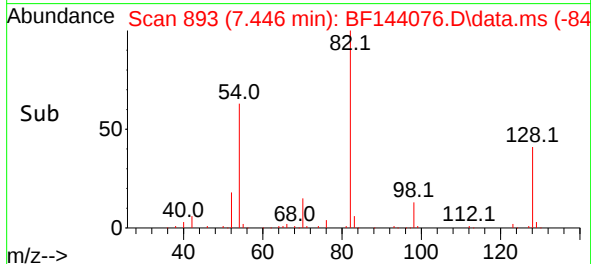


Tgt Ion: 82 Resp: 32949
Ion Ratio Lower Upper
82 100
128 41.2 32.4 48.6
54 64.4 54.0 81.0

Manual Integrations

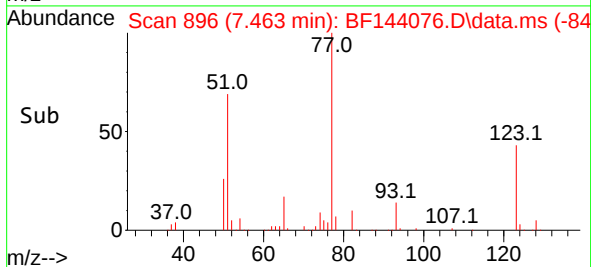
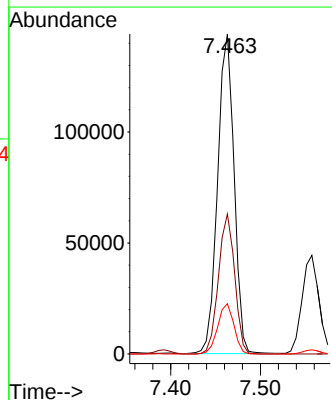
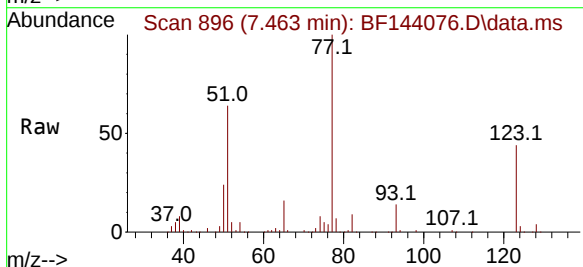
APPROVED

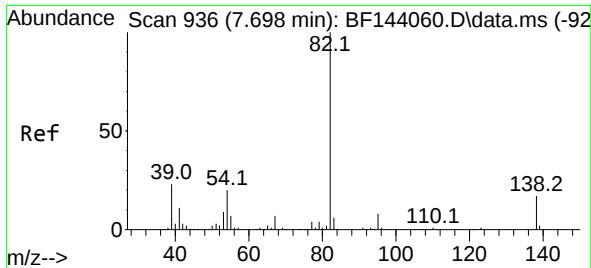
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025



#24
Nitrobenzene
Concen: 41.276 ng
RT: 7.463 min Scan# 896
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

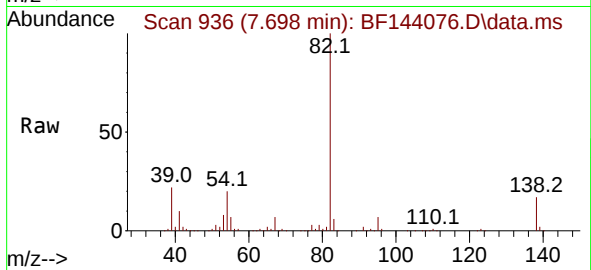
Tgt Ion: 77 Resp: 183540
Ion Ratio Lower Upper
77 100
123 43.7 35.0 52.6
65 15.7 12.2 18.2





#25
Isophorone
Concen: 44.768 ng
RT: 7.698 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

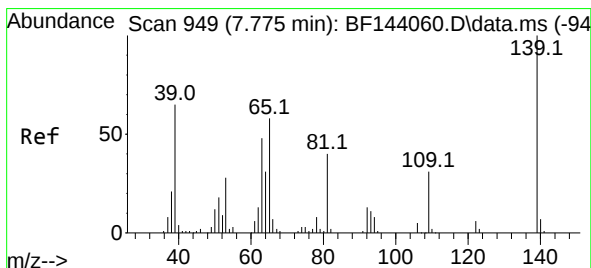
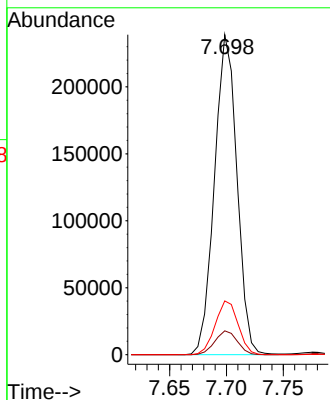
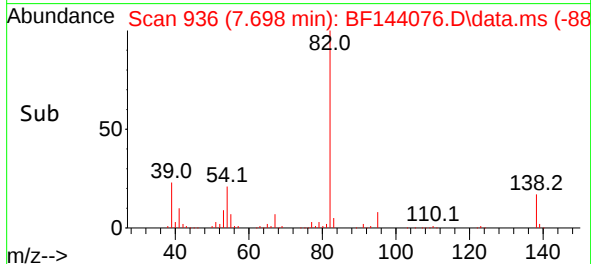
Instrument :
BNA_F
ClientSampleId :
PB170206BS



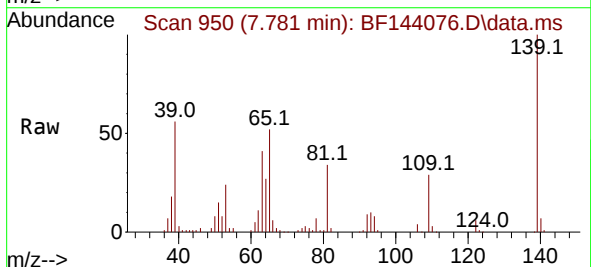
Tgt Ion: 82 Resp: 329004
Ion Ratio Lower Upper
82 100
95 7.4 6.6 9.8
138 16.8 13.8 20.8

Manual Integrations
APPROVED

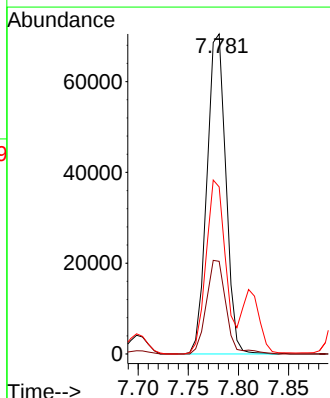
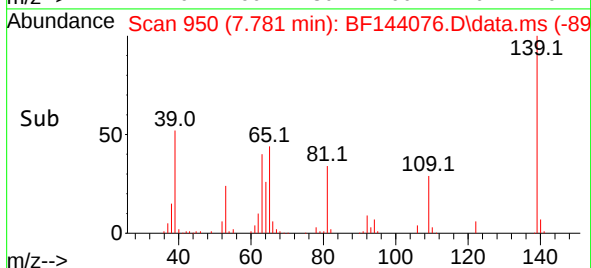
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025

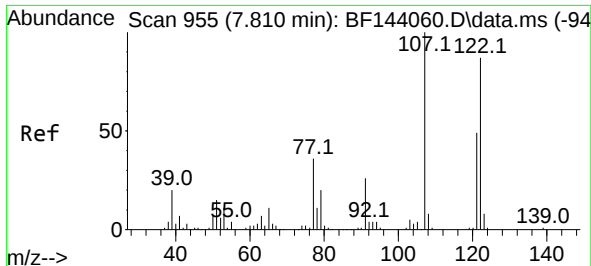


#26
2-Nitrophenol
Concen: 43.752 ng
RT: 7.781 min Scan# 950
Delta R.T. 0.006 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27



Tgt Ion:139 Resp: 92552
Ion Ratio Lower Upper
139 100
109 28.9 24.6 37.0
65 52.2 46.6 69.8





#27
2,4-Dimethylphenol
Concen: 47.652 ng
RT: 7.810 min Scan# 91
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

Instrument :

BNA_F

ClientSampleId :

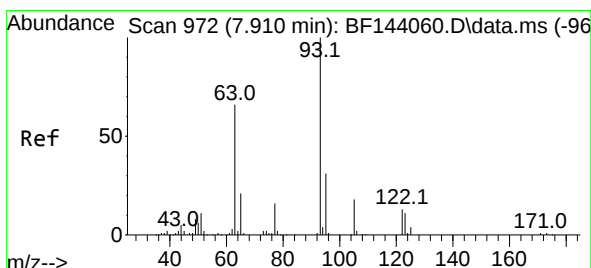
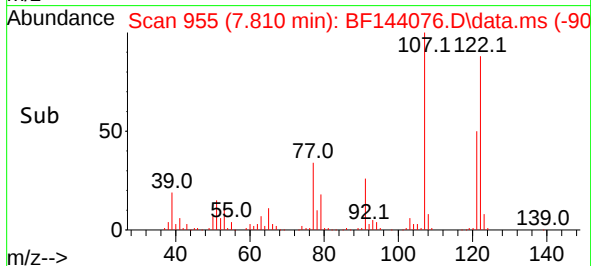
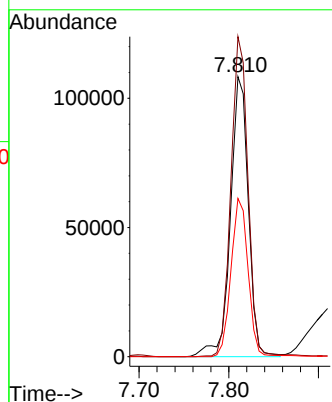
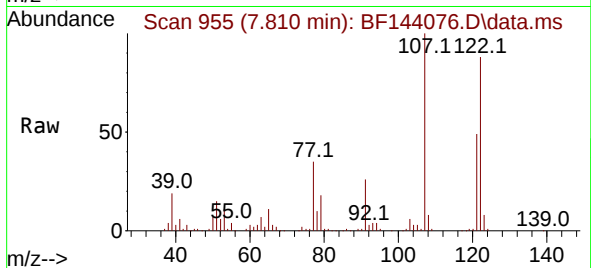
PB170206BS

Tgt Ion:122 Resp: 149790
Ion Ratio Lower Upper
122 100
107 114.3 91.8 137.8
121 56.5 45.2 67.8

Manual Integrations

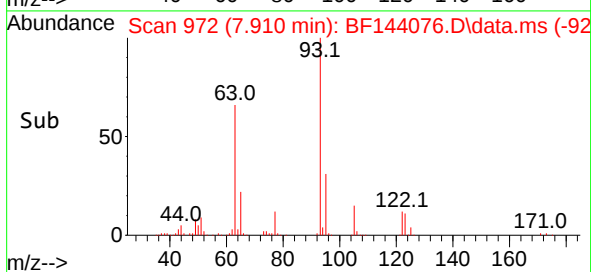
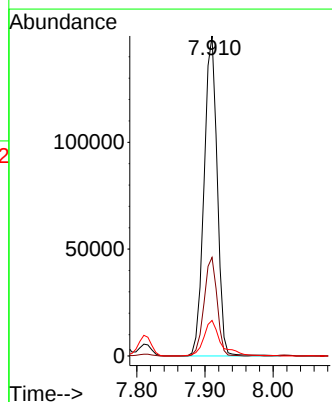
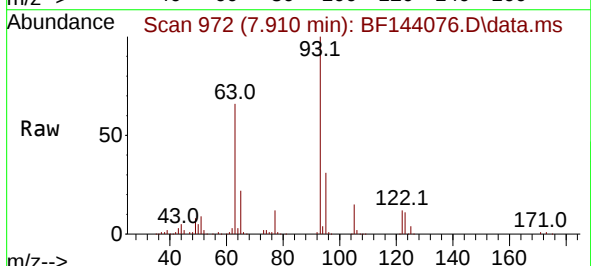
APPROVED

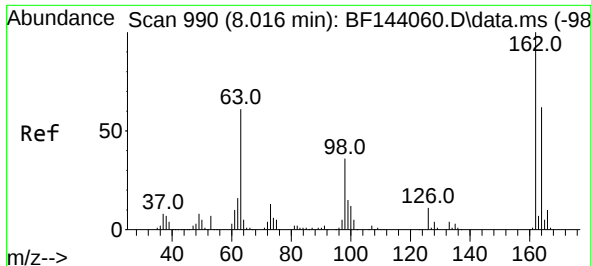
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025



#28
bis(2-Chloroethoxy)methane
Concen: 43.835 ng
RT: 7.910 min Scan# 972
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

Tgt Ion: 93 Resp: 200900
Ion Ratio Lower Upper
93 100
95 30.8 24.6 36.8
123 11.1 9.1 13.7





#29

2,4-Dichlorophenol

Concen: 42.036 ng

RT: 8.022 min Scan# 990

Delta R.T. 0.006 min

Lab File: BF144076.D

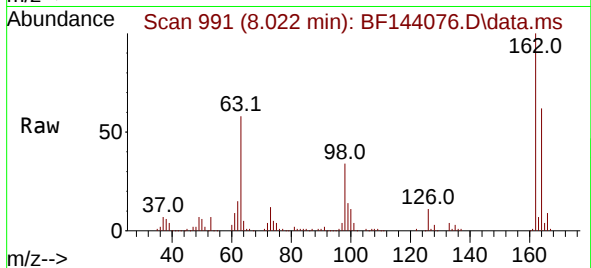
Acq: 27 Oct 2025 11:27

Instrument :

BNA_F

ClientSampleId :

PB170206BS



Tgt Ion:162 Resp: 15367

Ion Ratio Lower Upper

162 100

164 62.4 42.1 82.1

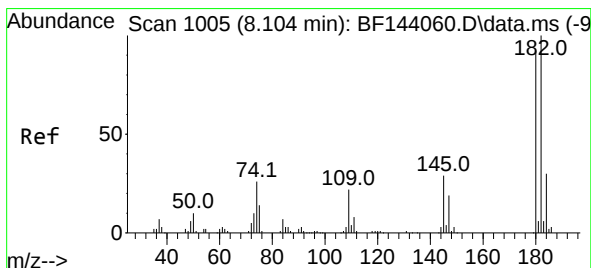
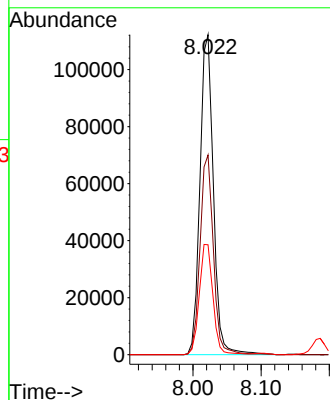
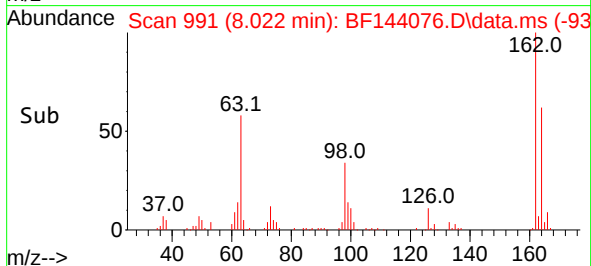
98 34.4 16.0 56.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/28/2025

Supervised By :mohammad ahmed 10/30/2025



#30

1,2,4-Trichlorobenzene

Concen: 44.342 ng

RT: 8.104 min Scan# 1005

Delta R.T. 0.000 min

Lab File: BF144076.D

Acq: 27 Oct 2025 11:27

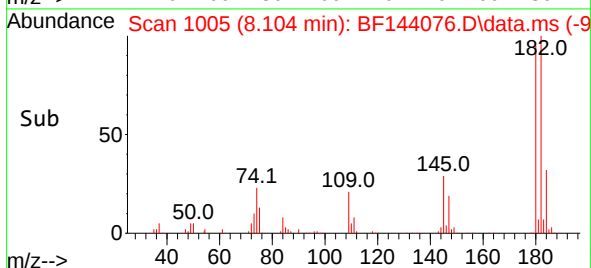
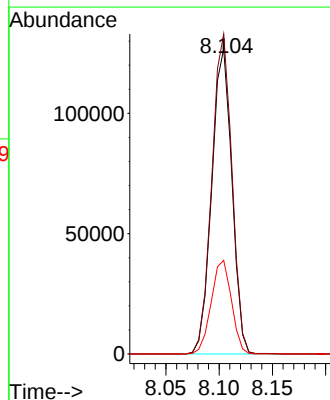
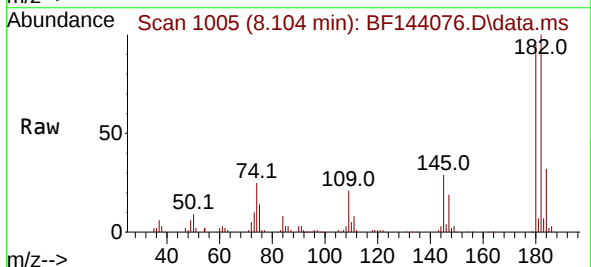
Tgt Ion:180 Resp: 166768

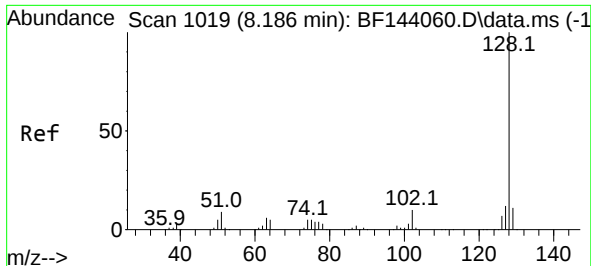
Ion Ratio Lower Upper

180 100

182 104.8 87.1 130.7

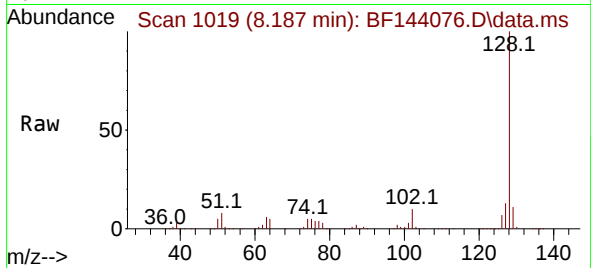
145 30.7 25.3 37.9





#31
Naphthalene
Concen: 41.369 ng
RT: 8.187 min Scan# 1019
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

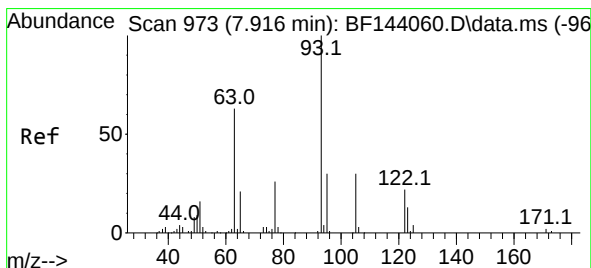
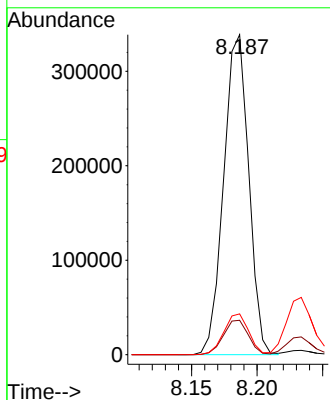
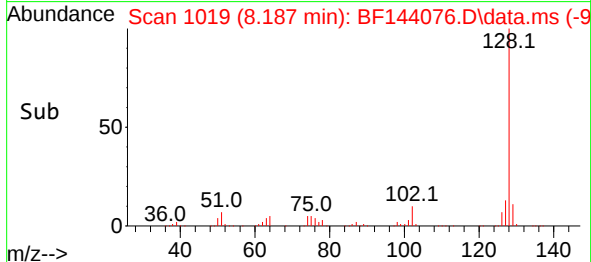
Instrument :
BNA_F
ClientSampleId :
PB170206BS



Tgt Ion:128 Resp: 449660
Ion Ratio Lower Upper
128 100
129 10.7 8.4 12.6
127 12.7 9.9 14.9

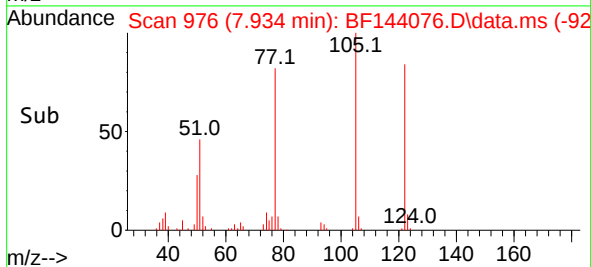
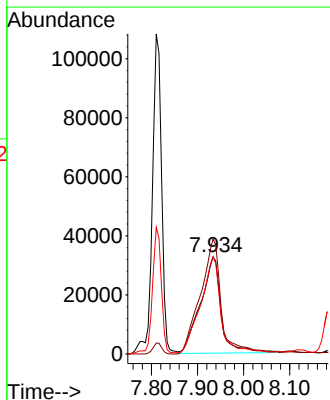
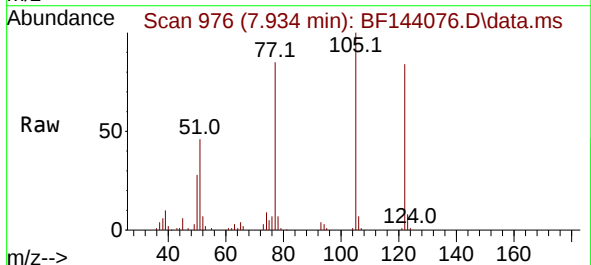
Manual Integrations
APPROVED

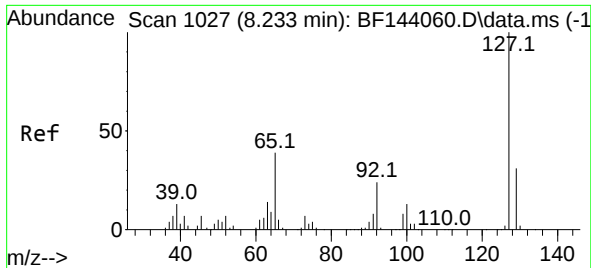
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025



#32
Benzoic acid
Concen: 51.023 ng
RT: 7.934 min Scan# 976
Delta R.T. 0.018 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

Tgt Ion:122 Resp: 101741
Ion Ratio Lower Upper
122 100
105 118.6 111.3 151.3
77 100.3 96.7 136.7





#33
4-Chloroaniline
Concen: 23.236 ng
RT: 8.234 min Scan# 1027
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

Instrument :

BNA_F

ClientSampleId :

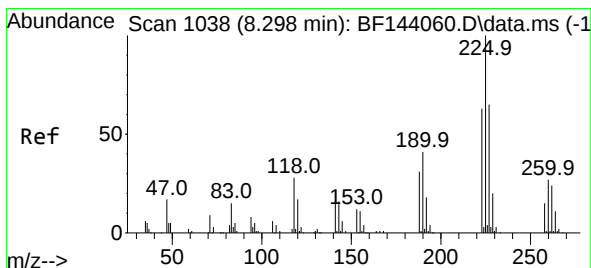
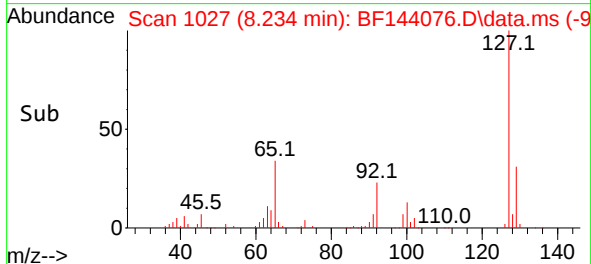
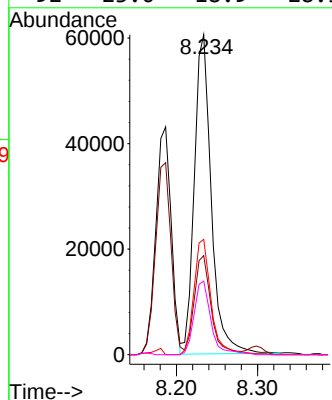
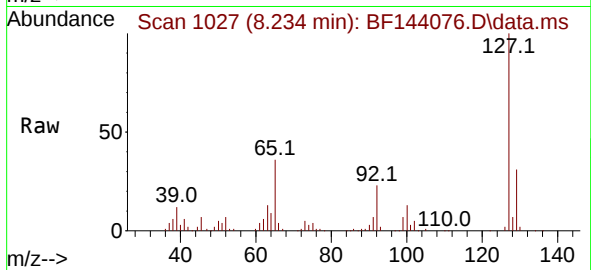
PB170206BS

Tgt Ion:127 Resp: 8792
Ion Ratio Lower Upper
127 100
129 31.0 25.6 38.4
65 36.1 30.9 46.3
92 23.0 18.9 28.3

Manual Integrations

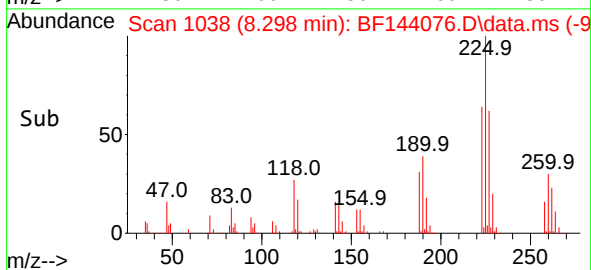
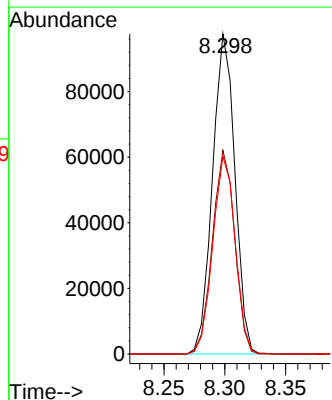
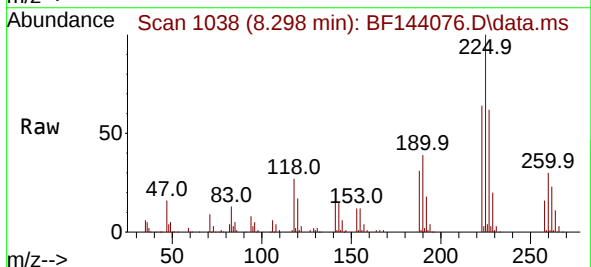
APPROVED

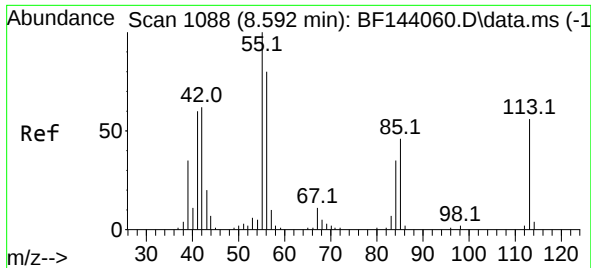
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025



#34
Hexachlorobutadiene
Concen: 40.536 ng
RT: 8.298 min Scan# 1038
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

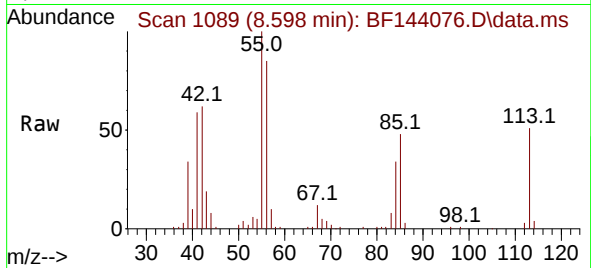
Tgt Ion:225 Resp: 124657
Ion Ratio Lower Upper
225 100
223 63.6 50.6 76.0
227 61.8 51.8 77.8





#35
 Caprolactam
 Concen: 47.476 ng m
 RT: 8.598 min Scan# 1109
 Delta R.T. 0.006 min
 Lab File: BF144076.D
 Acq: 27 Oct 2025 11:27

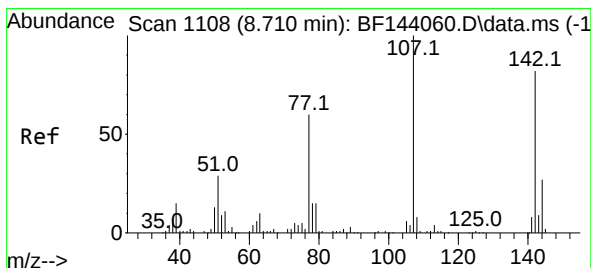
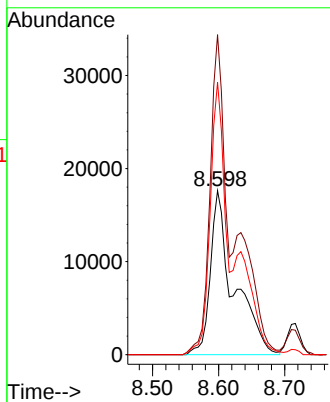
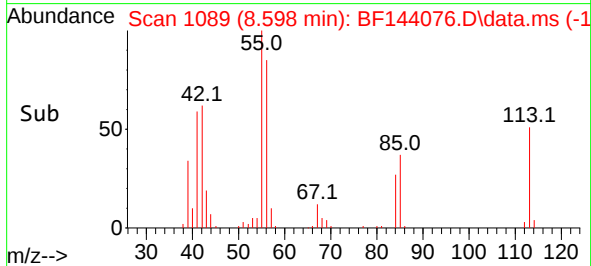
Instrument :
 BNA_F
 ClientSampleId :
 PB170206BS



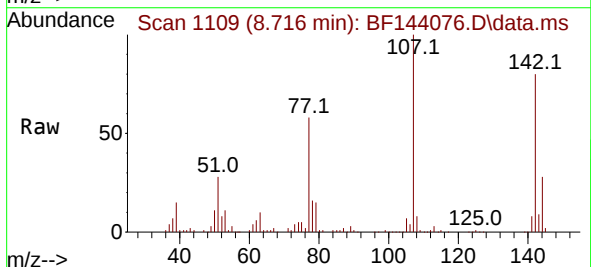
Tgt Ion:113 Resp: 4352
 Ion Ratio Lower Upper
 113 100
 55 195.1 160.1 200.1
 56 166.1 124.9 164.9

Manual Integrations
 APPROVED

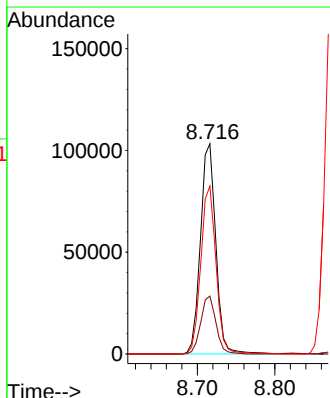
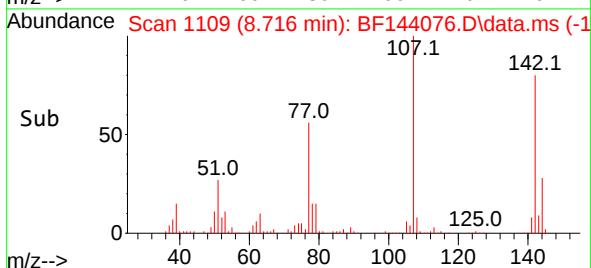
Reviewed By :Rahul Chavli 10/28/2025
 Supervised By :mohammad ahmed 10/30/2025

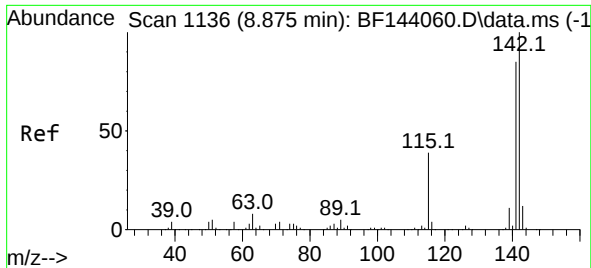


#36
 4-Chloro-3-methylphenol
 Concen: 44.115 ng
 RT: 8.716 min Scan# 1109
 Delta R.T. 0.006 min
 Lab File: BF144076.D
 Acq: 27 Oct 2025 11:27



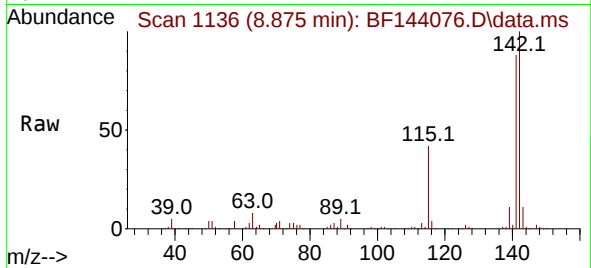
Tgt Ion:107 Resp: 142318
 Ion Ratio Lower Upper
 107 100
 144 27.6 21.6 32.4
 142 79.8 65.4 98.0





#37
2-Methylnaphthalene
Concen: 38.783 ng
RT: 8.875 min Scan# 1136
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

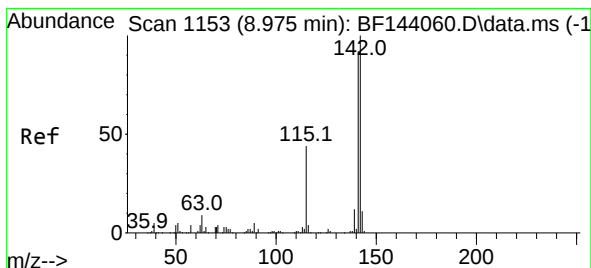
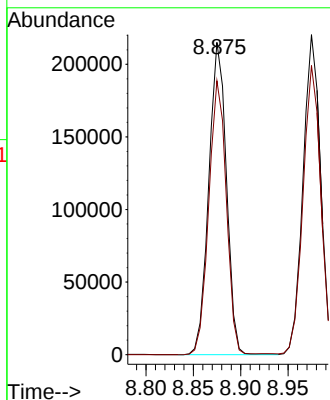
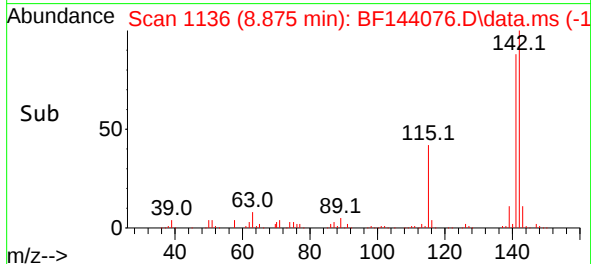
Instrument :
BNA_F
ClientSampleId :
PB170206BS



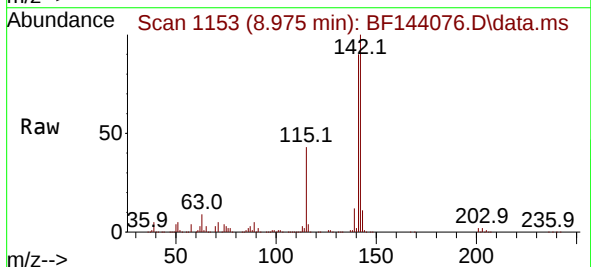
Tgt Ion:142 Resp: 277930
Ion Ratio Lower Upper
142 100
141 87.7 67.6 101.4

Manual Integrations
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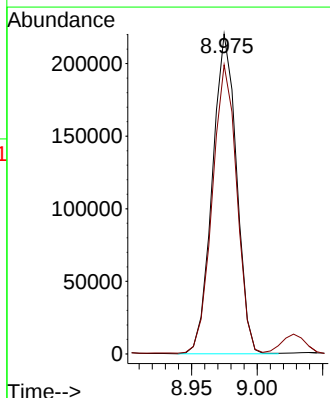
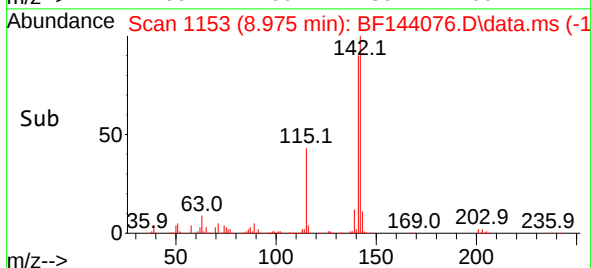
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025

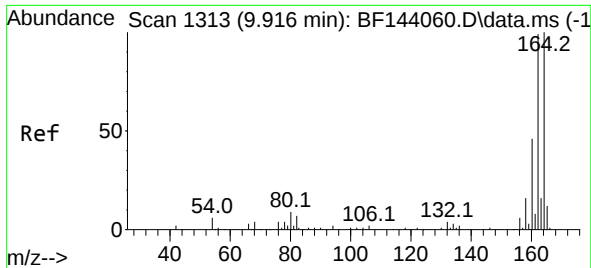


#38
1-Methylnaphthalene
Concen: 41.538 ng
RT: 8.975 min Scan# 1153
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27



Tgt Ion:142 Resp: 282025
Ion Ratio Lower Upper
142 100
141 90.4 73.4 110.2





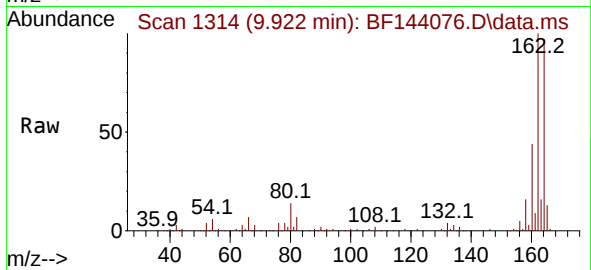
#39
Acenaphthene-d10
Concen: 20.000 ng
RT: 9.922 min Scan# 1165
Delta R.T. 0.006 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

Instrument :

BNA_F

ClientSampleId :

PB170206BS

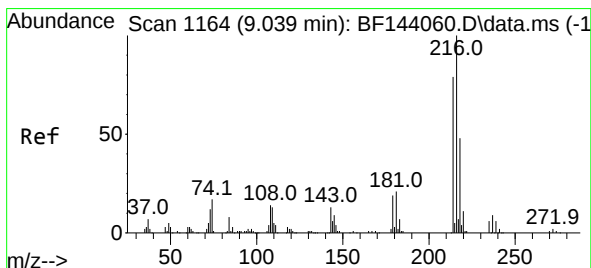
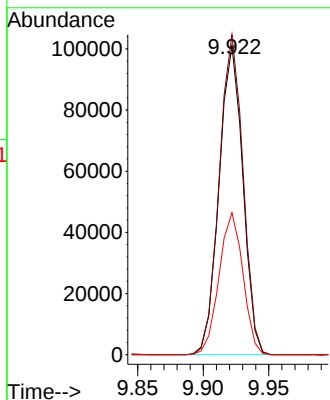
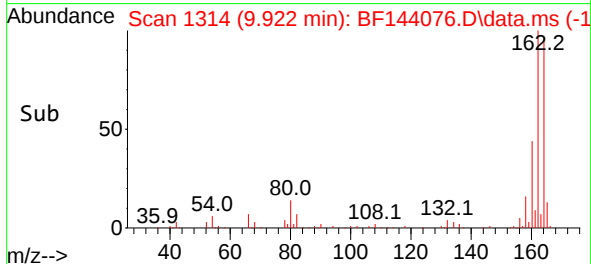


Tgt Ion:164 Resp: 126935
Ion Ratio Lower Upper
164 100
162 103.5 79.4 119.2
160 45.9 36.7 55.1

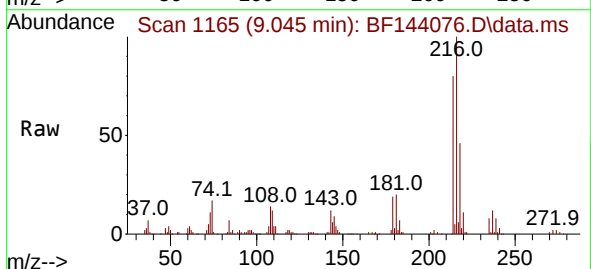
Manual Integrations

APPROVED

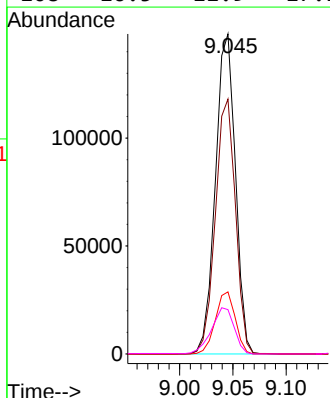
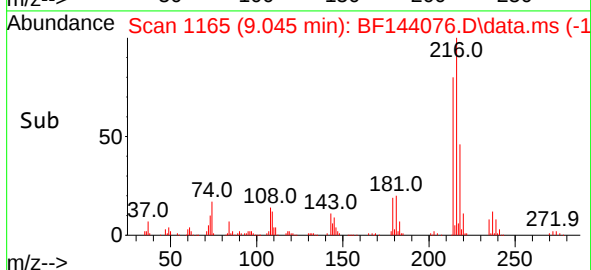
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025

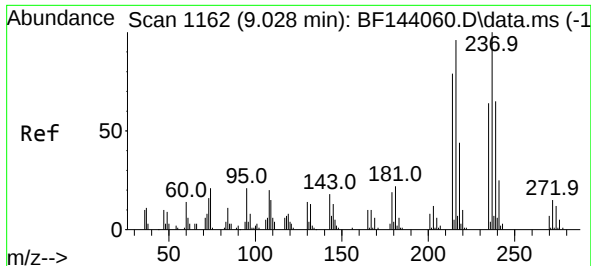


#40
1,2,4,5-Tetrachlorobenzene
Concen: 44.297 ng
RT: 9.045 min Scan# 1165
Delta R.T. 0.006 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27



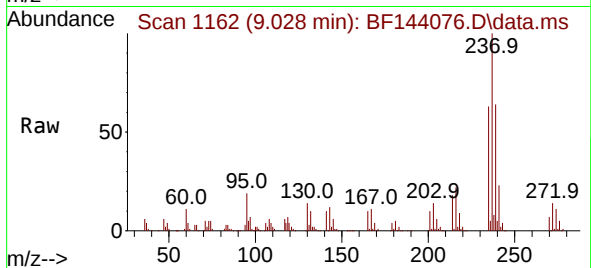
Tgt Ion:216 Resp: 193244
Ion Ratio Lower Upper
216 100
214 80.0 63.2 94.8
179 19.3 15.2 22.8
108 16.5 11.9 17.9





#41
Hexachlorocyclopentadiene
Concen: 133.824 ng
RT: 9.028 min Scan# 1162
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

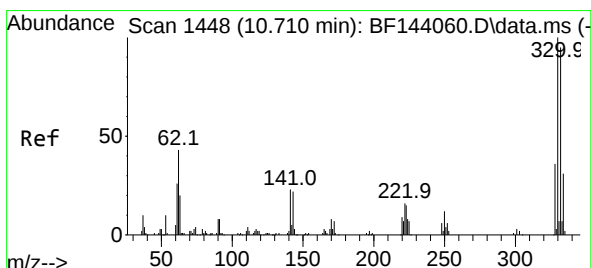
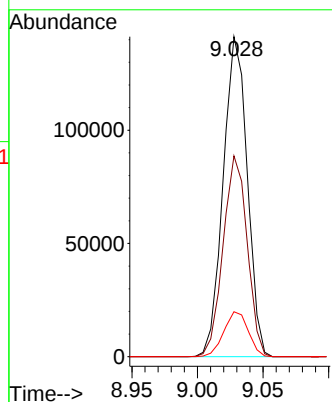
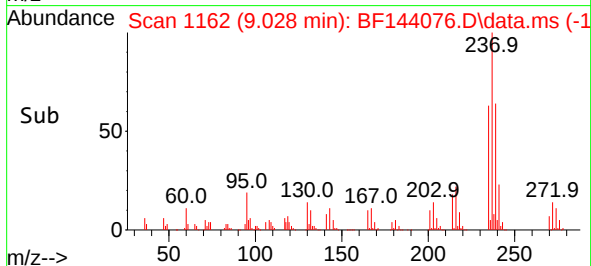
Instrument :
BNA_F
ClientSampleId :
PB170206BS



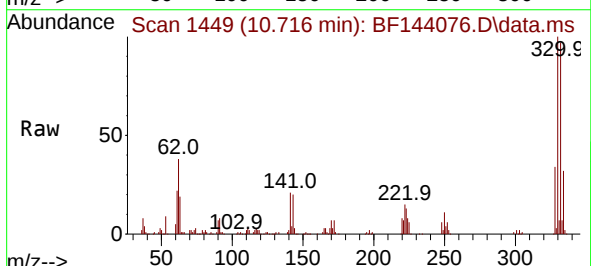
Tgt Ion:237 Resp: 180317
Ion Ratio Lower Upper
237 100
235 62.7 44.3 84.3
272 14.1 0.0 35.2

Manual Integrations
APPROVED

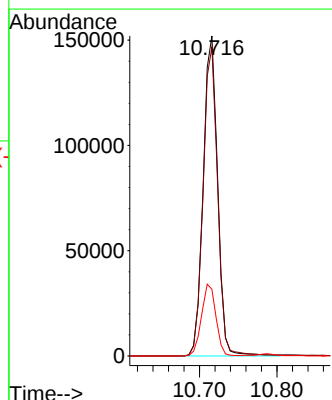
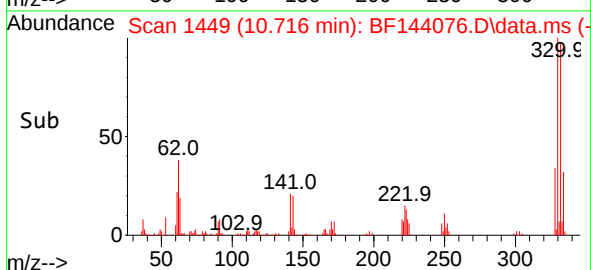
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025

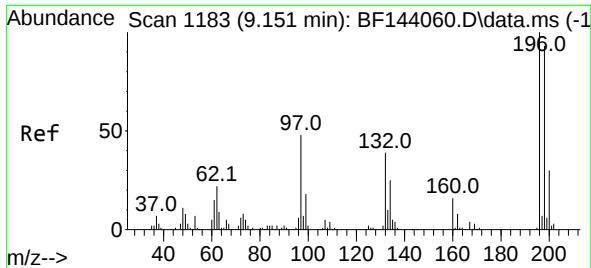


#42
2,4,6-Tribromophenol
Concen: 121.307 ng
RT: 10.716 min Scan# 1449
Delta R.T. 0.006 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27



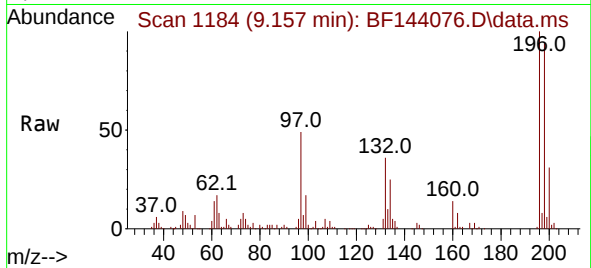
Tgt Ion:330 Resp: 196142
Ion Ratio Lower Upper
330 100
332 97.5 77.0 115.6
141 22.5 19.4 29.0





#43
2,4,6-Trichlorophenol
Concen: 42.835 ng
RT: 9.157 min Scan# 1183
Delta R.T. 0.006 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

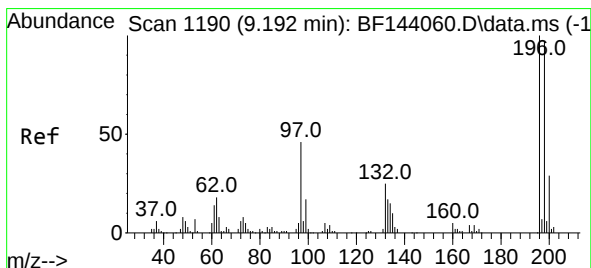
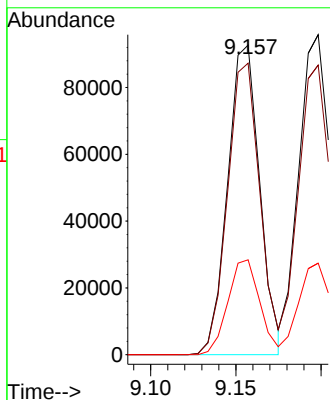
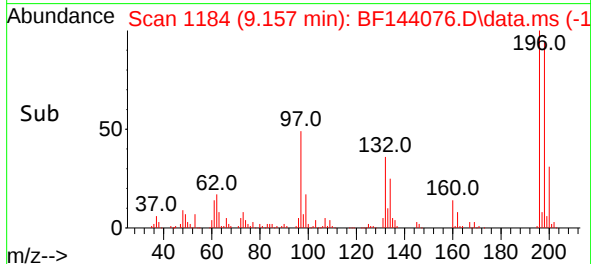
Instrument :
BNA_F
ClientSampleId :
PB170206BS



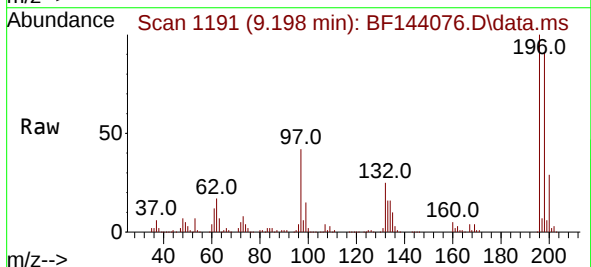
Tgt Ion:196 Resp: 121461
Ion Ratio Lower Upper
196 100
198 94.1 74.4 111.6
200 30.7 23.8 35.8

Manual Integrations
APPROVED

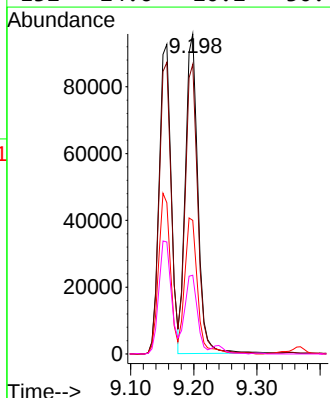
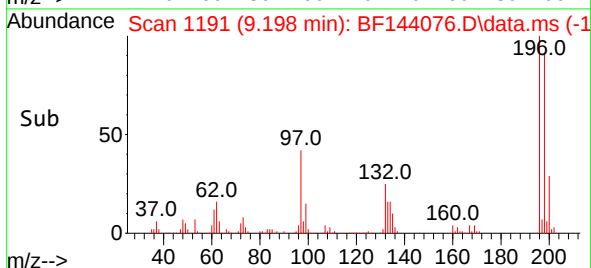
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025

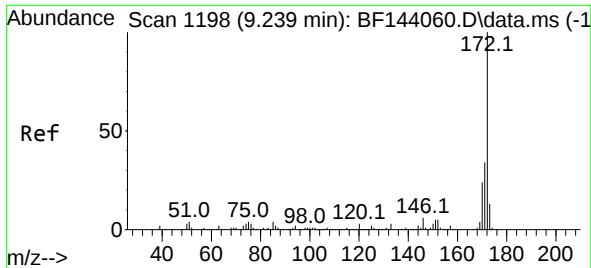


#44
2,4,5-Trichlorophenol
Concen: 44.272 ng
RT: 9.198 min Scan# 1191
Delta R.T. 0.006 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27



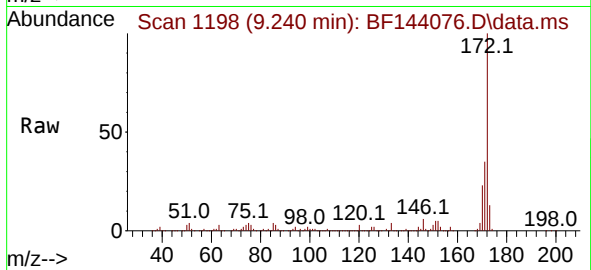
Tgt Ion:196 Resp: 131752
Ion Ratio Lower Upper
196 100
198 90.5 78.0 117.0
97 41.8 37.7 56.5
132 24.6 20.2 30.4





#45
2-Fluorobiphenyl
Concen: 77.831 ng
RT: 9.240 min Scan# 1198
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

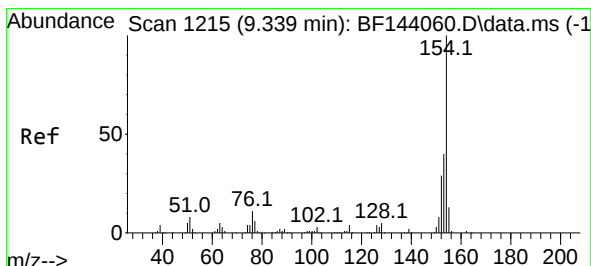
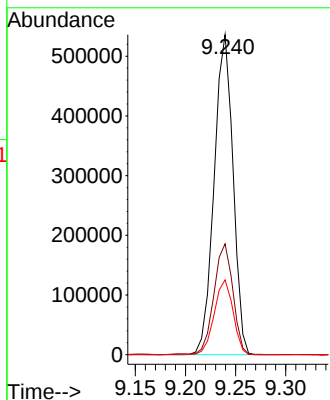
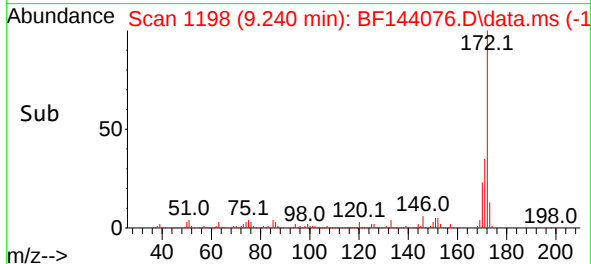
Instrument :
BNA_F
ClientSampleId :
PB170206BS



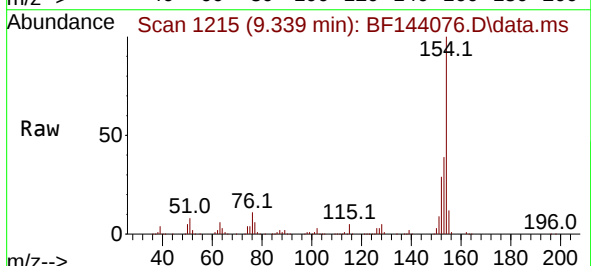
Tgt Ion:172 Resp: 702060
Ion Ratio Lower Upper
172 100
171 34.6 27.5 41.3
170 23.4 19.0 28.6

Manual Integrations
APPROVED

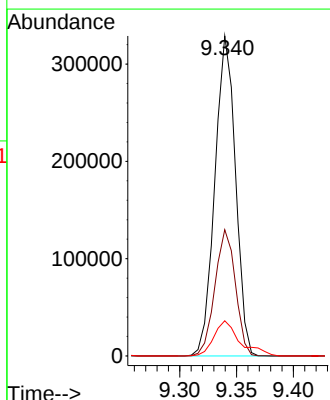
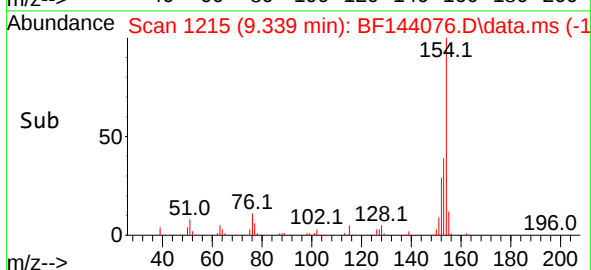
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025

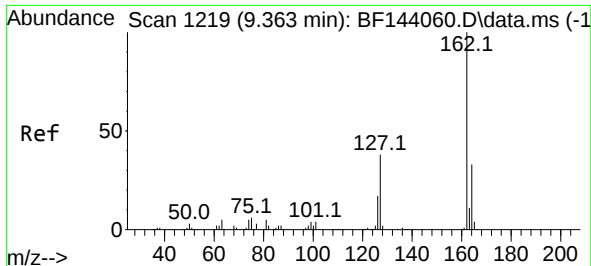


#46
1,1'-Biphenyl
Concen: 45.784 ng
RT: 9.339 min Scan# 1215
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27



Tgt Ion:154 Resp: 416023
Ion Ratio Lower Upper
154 100
153 39.4 19.7 59.7
76 11.0 0.0 31.1





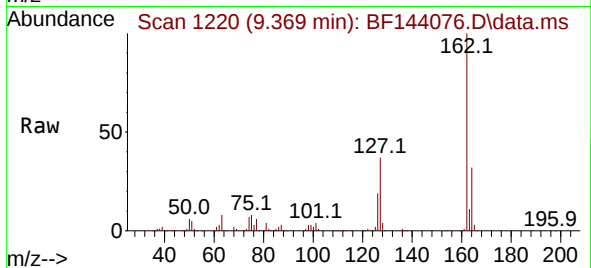
#47
2-Chloronaphthalene
Concen: 41.749 ng
RT: 9.369 min Scan# 1219
Delta R.T. 0.006 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

Instrument :

BNA_F

ClientSampleId :

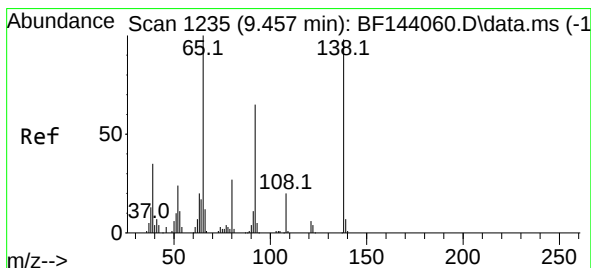
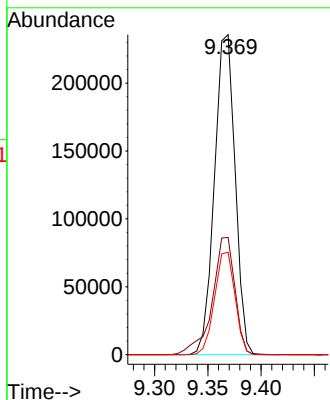
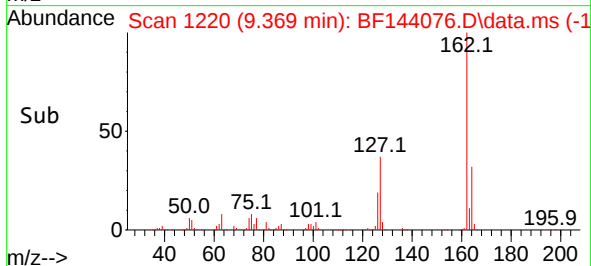
PB170206BS



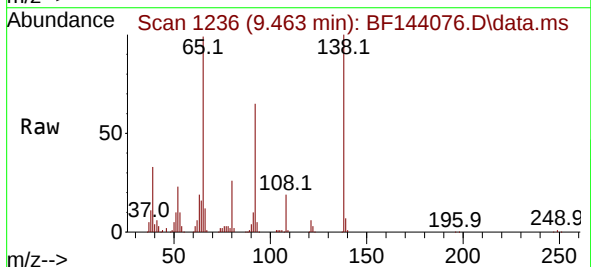
Tgt Ion:162 Resp: 317814
Ion Ratio Lower Upper
162 100
127 36.7 31.6 47.4
164 32.0 26.5 39.7

Manual Integrations
APPROVED

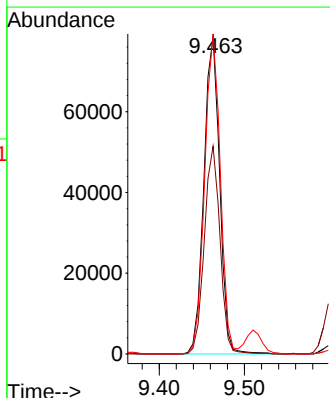
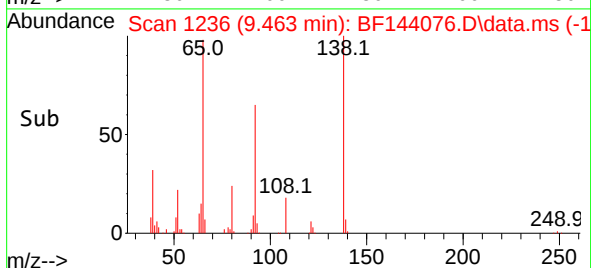
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025

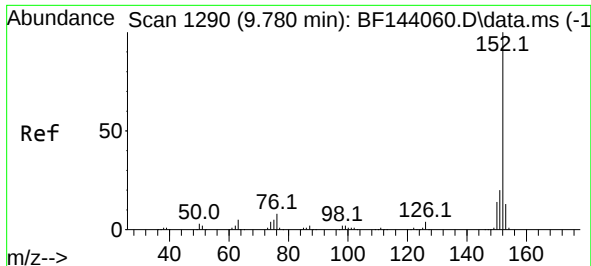


#48
2-Nitroaniline
Concen: 44.613 ng
RT: 9.463 min Scan# 1236
Delta R.T. 0.006 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27



Tgt Ion: 65 Resp: 100849
Ion Ratio Lower Upper
65 100
92 65.5 52.3 78.5
138 101.0 78.3 117.5





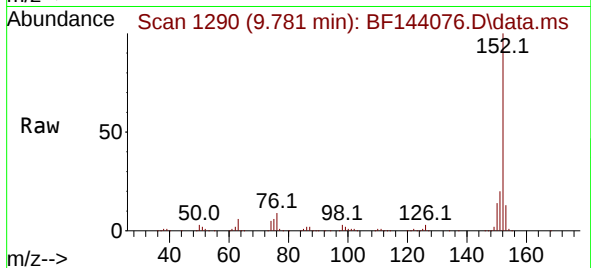
#49
Acenaphthylene
Concen: 47.567 ng
RT: 9.781 min Scan# 1290
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

Instrument :

BNA_F

ClientSampleId :

PB170206BS

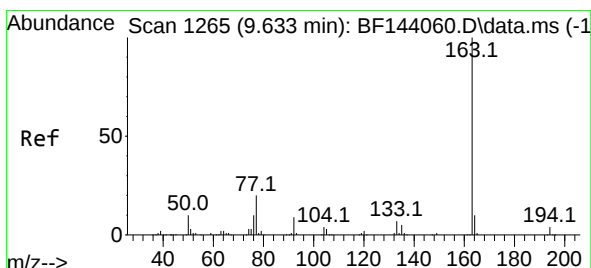
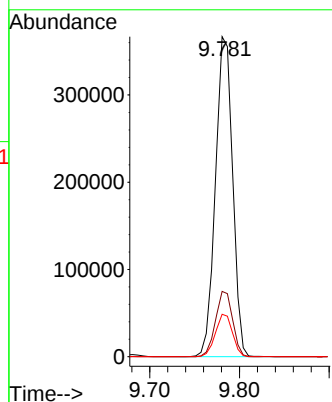
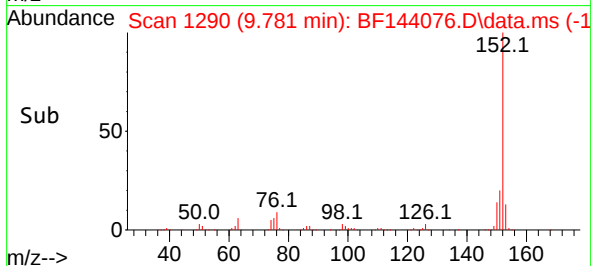


Tgt Ion:152 Resp: 488250
Ion Ratio Lower Upper
152 100
151 20.4 15.9 23.9
153 13.3 10.4 15.6

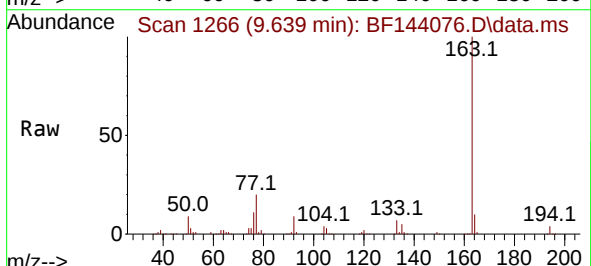
Manual Integrations

APPROVED

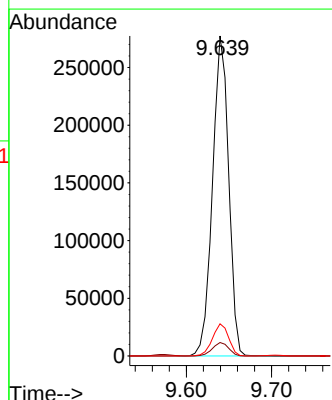
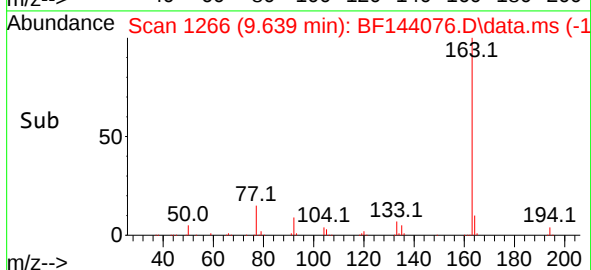
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025

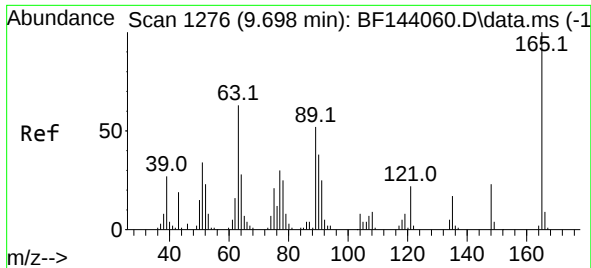


#50
Dimethylphthalate
Concen: 43.887 ng
RT: 9.639 min Scan# 1266
Delta R.T. 0.006 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27



Tgt Ion:163 Resp: 365152
Ion Ratio Lower Upper
163 100
194 4.2 3.4 5.0
164 10.0 7.8 11.8





#51
2,6-Dinitrotoluene
Concen: 46.689 ng
RT: 9.704 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

Instrument :

BNA_F

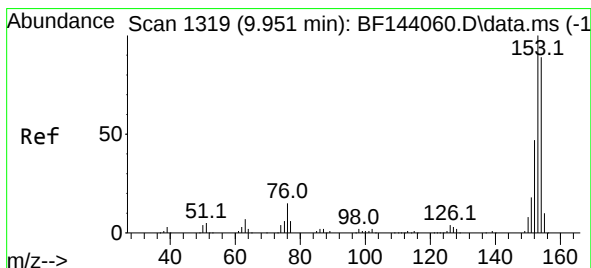
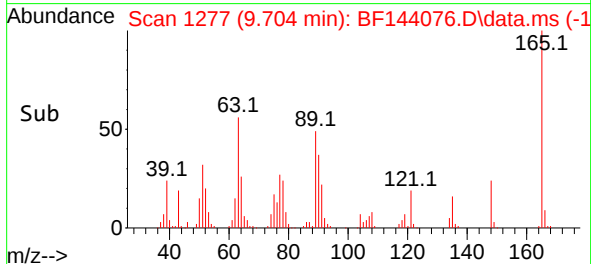
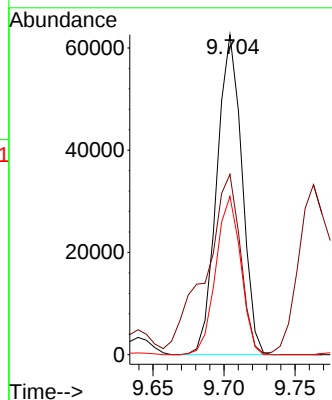
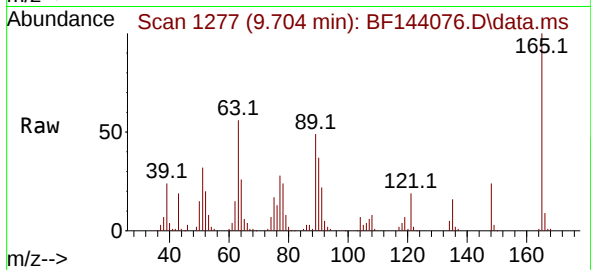
ClientSampleId :

PB170206BS

Tgt Ion:165 Resp: 7679
Ion Ratio Lower Upper
165 100
63 56.3 50.4 75.6
89 49.5 41.4 62.2

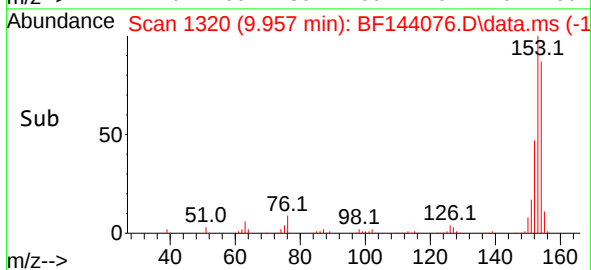
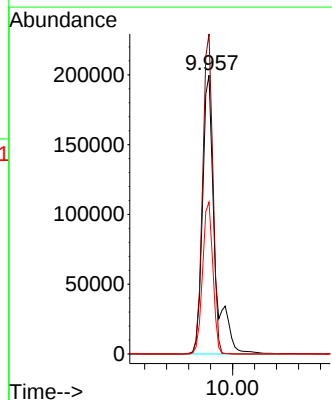
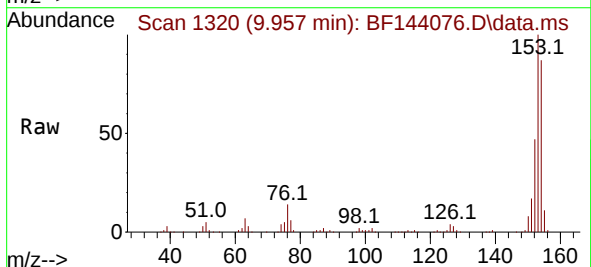
Manual Integrations
APPROVED

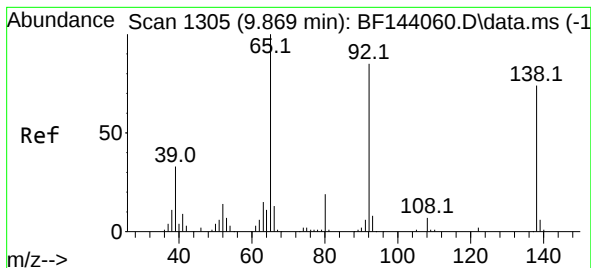
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025



#52
Acenaphthene
Concen: 45.192 ng
RT: 9.957 min Scan# 1320
Delta R.T. 0.006 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

Tgt Ion:154 Resp: 309791
Ion Ratio Lower Upper
154 100
153 114.8 89.9 134.9
152 54.5 42.0 63.0





#53
3-Nitroaniline
Concen: 29.317 ng
RT: 9.875 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

Instrument :

BNA_F

ClientSampleId :

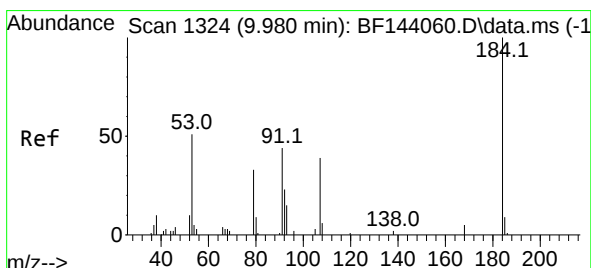
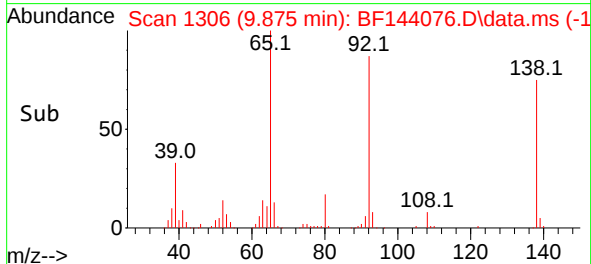
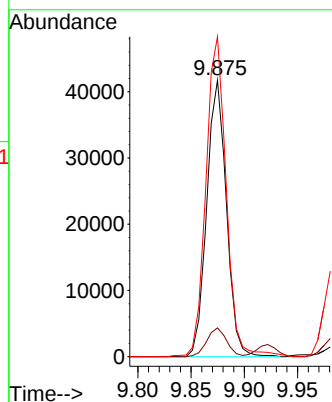
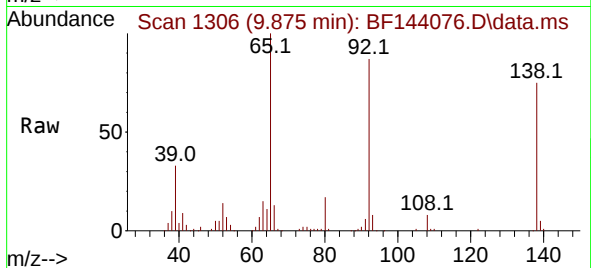
PB170206BS

Tgt Ion:138 Resp: 53614
Ion Ratio Lower Upper
138 100
108 10.5 7.9 11.9
92 115.8 92.0 138.0

Manual Integrations

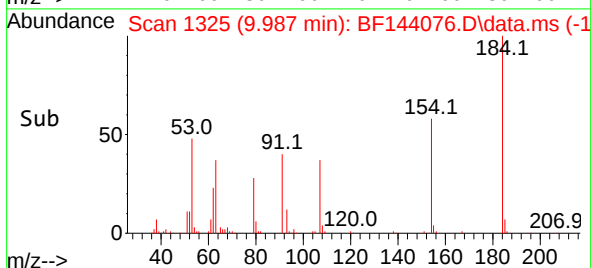
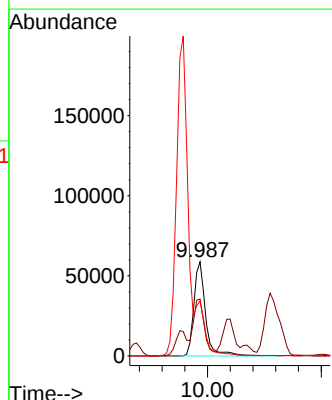
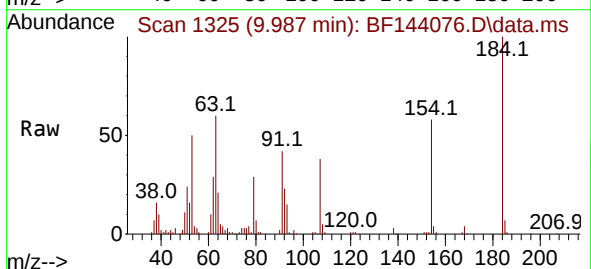
APPROVED

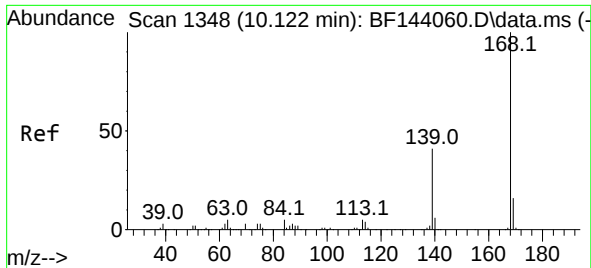
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025



#54
2,4-Dinitrophenol
Concen: 95.333 ng
RT: 9.987 min Scan# 1325
Delta R.T. 0.006 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

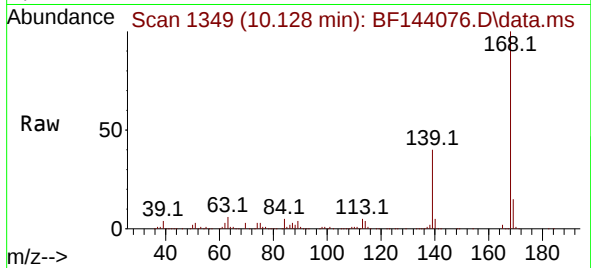
Tgt Ion:184 Resp: 84812
Ion Ratio Lower Upper
184 100
63 60.5 52.1 78.1
154 58.4 47.9 71.9





#55
Dibenzenofuran
Concen: 42.917 ng
RT: 10.128 min Scan# 11
Delta R.T. 0.006 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

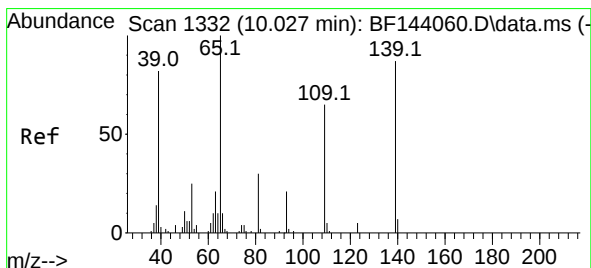
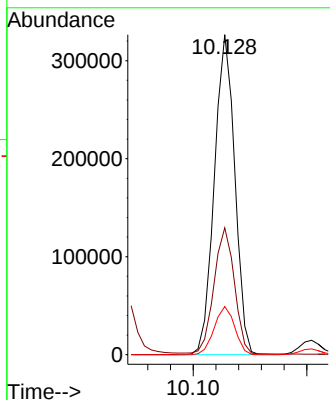
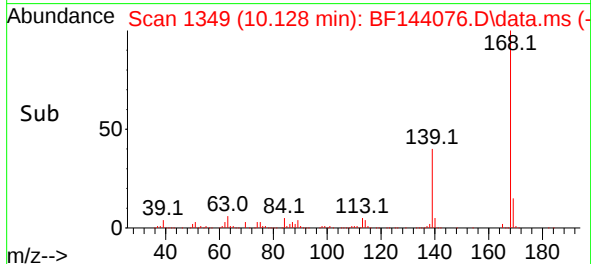
Instrument :
BNA_F
ClientSampleId :
PB170206BS



Tgt Ion:168 Resp: 408424
Ion Ratio Lower Upper
168 100
139 39.6 33.2 49.8
169 15.0 12.6 19.0

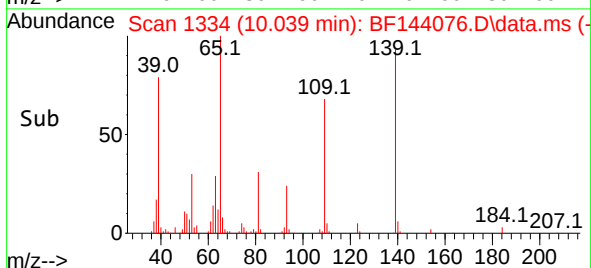
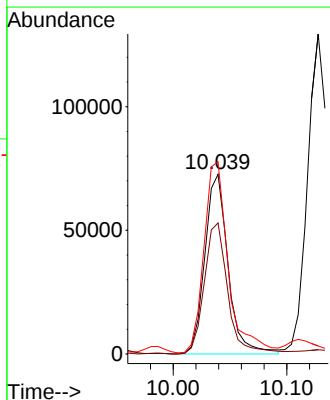
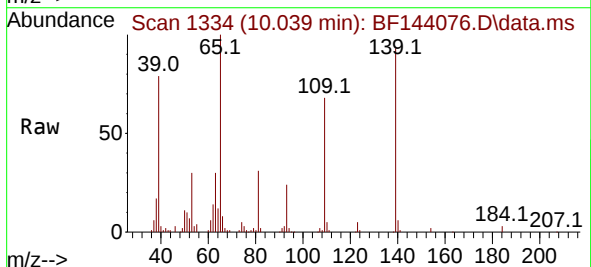
Manual Integrations
APPROVED

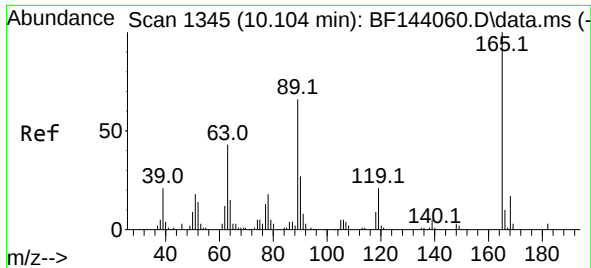
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025



#56
4-Nitrophenol
Concen: 83.365 ng
RT: 10.039 min Scan# 1334
Delta R.T. 0.012 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

Tgt Ion:139 Resp: 103237
Ion Ratio Lower Upper
139 100
109 72.9 53.8 93.8
65 107.0 95.9 135.9





#57
2,4-Dinitrotoluene
Concen: 46.338 ng
RT: 10.110 min Scan# 1346
Delta R.T. 0.006 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

Instrument :

BNA_F

ClientSampleId :

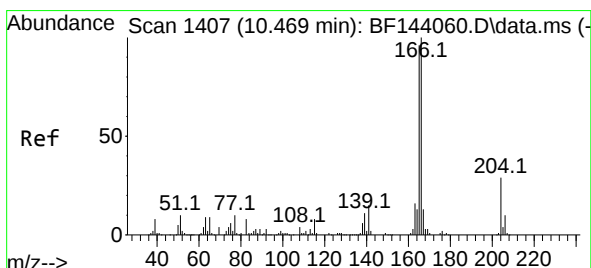
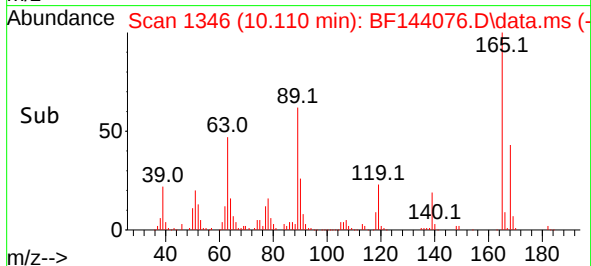
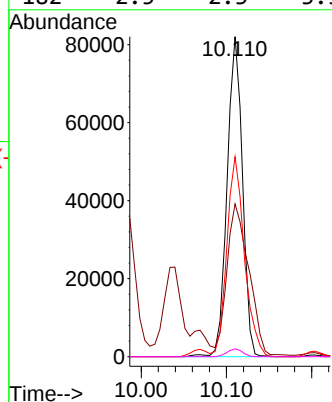
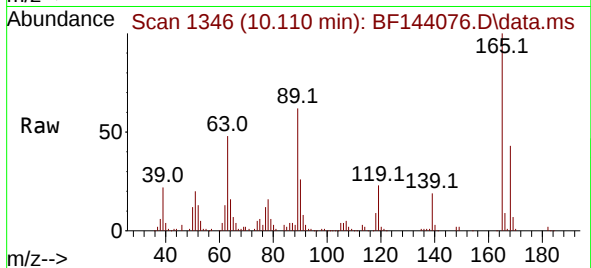
PB170206BS

Tgt Ion:165 Resp: 102869
Ion Ratio Lower Upper
165 100
63 47.8 35.4 53.2
89 62.4 52.7 79.1
182 2.5 2.3 3.5

Manual Integrations

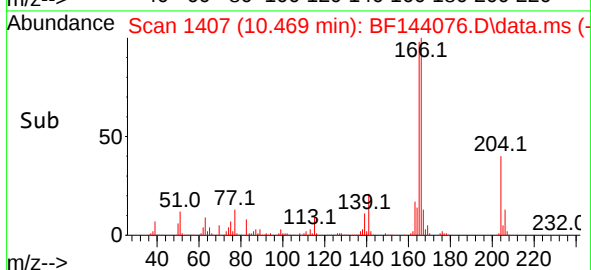
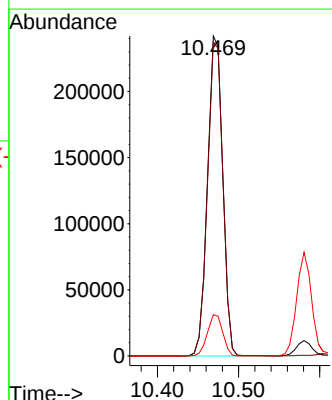
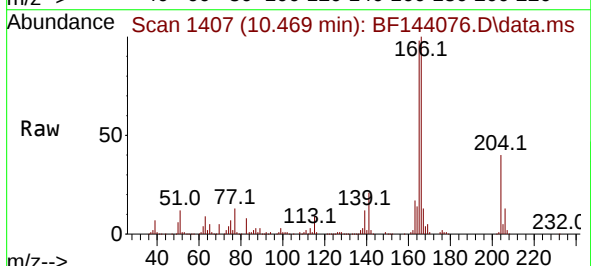
APPROVED

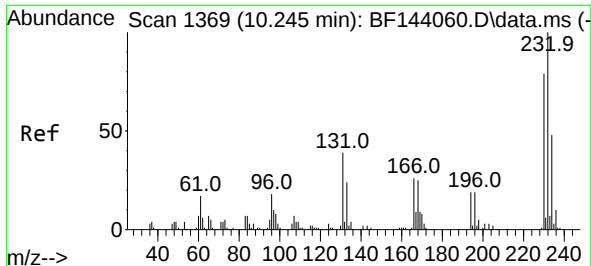
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025



#58
Fluorene
Concen: 43.341 ng
RT: 10.469 min Scan# 1407
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

Tgt Ion:166 Resp: 314278
Ion Ratio Lower Upper
166 100
165 98.1 77.0 115.4
167 12.9 10.2 15.4





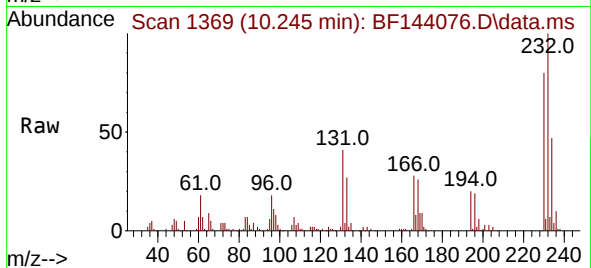
#59
2,3,4,6-Tetrachlorophenol
Concen: 48.238 ng m
RT: 10.245 min Scan# 1369
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

Instrument :

BNA_F

ClientSampleId :

PB170206BS

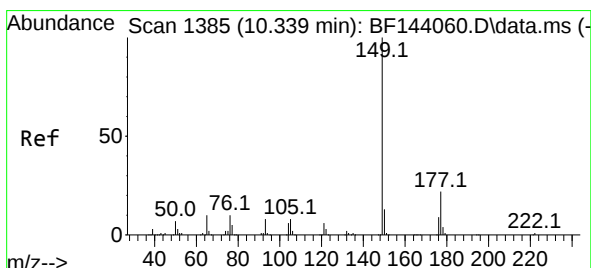
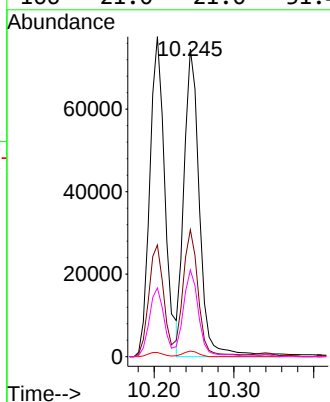
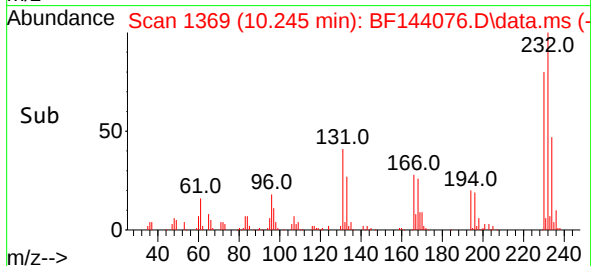


Tgt Ion:232 Resp: 101160
Ion Ratio Lower Upper
232 100
131 34.4 31.9 47.9
130 1.4 1.1 1.7
166 21.0 21.0 31.4

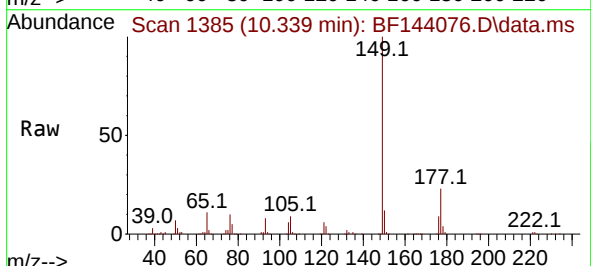
Manual Integrations

APPROVED

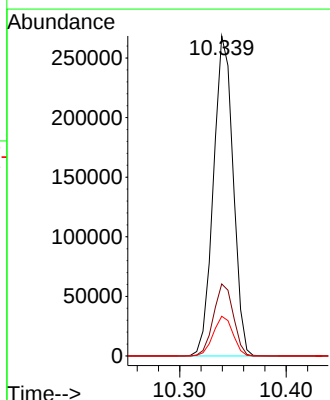
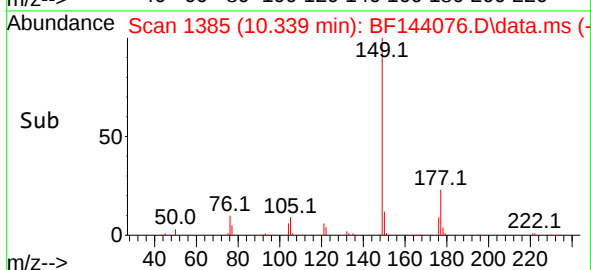
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025

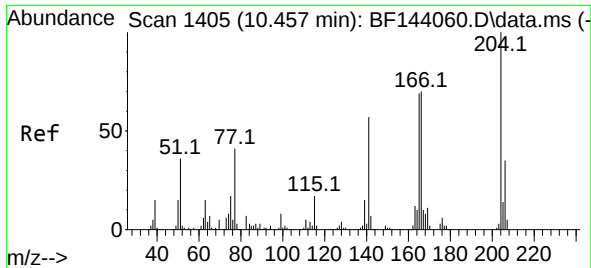


#60
Diethylphthalate
Concen: 44.027 ng
RT: 10.339 min Scan# 1385
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27



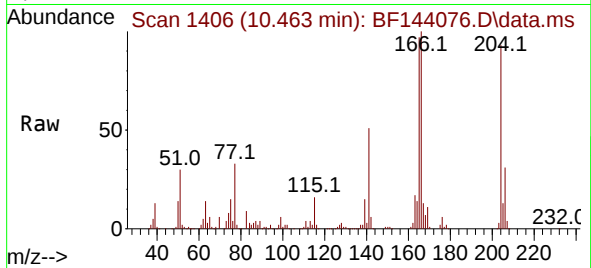
Tgt Ion:149 Resp: 344494
Ion Ratio Lower Upper
149 100
177 22.5 17.8 26.6
150 12.4 10.1 15.1





#61
4-Chlorophenyl-phenylether
Concen: 43.398 ng
RT: 10.463 min Scan# 1410
Delta R.T. 0.006 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

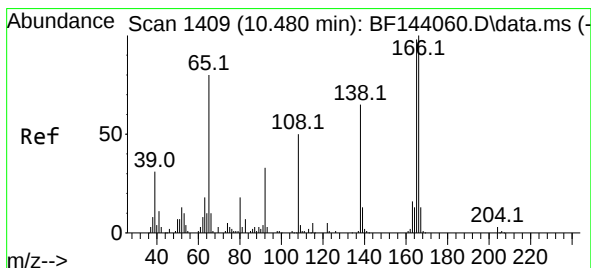
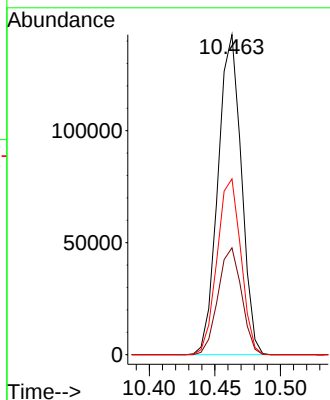
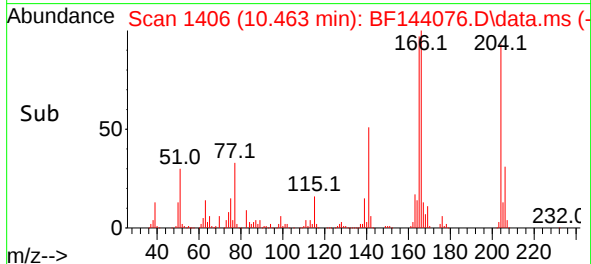
Instrument :
BNA_F
ClientSampleId :
PB170206BS



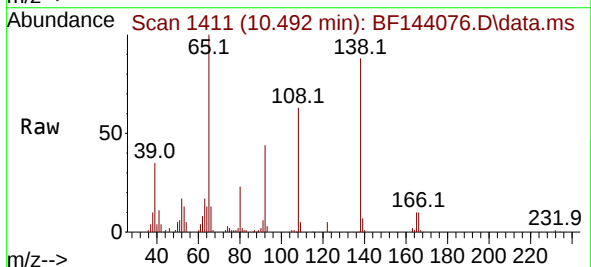
Tgt Ion:204 Resp: 176970
Ion Ratio Lower Upper
204 100
206 33.4 27.8 41.6
141 55.0 45.4 68.2

Manual Integrations
APPROVED

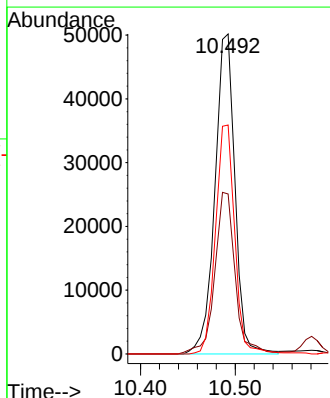
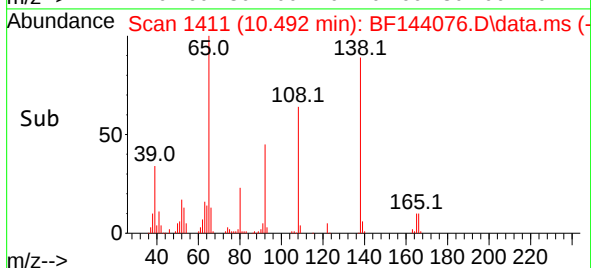
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025

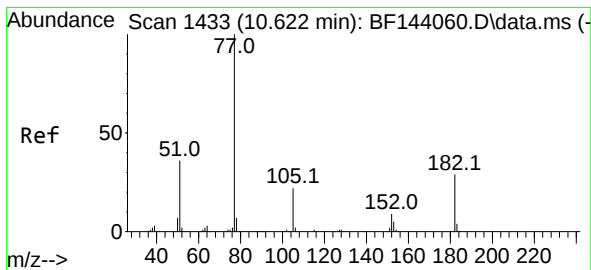


#62
4-Nitroaniline
Concen: 42.632 ng
RT: 10.492 min Scan# 1411
Delta R.T. 0.012 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27



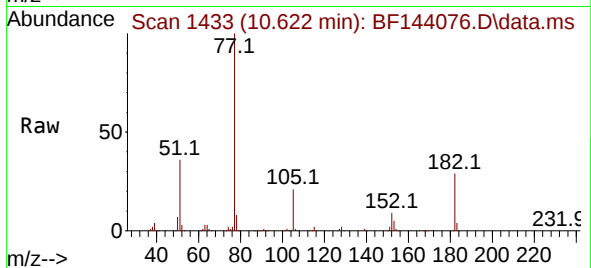
Tgt Ion:138 Resp: 73871
Ion Ratio Lower Upper
138 100
92 50.0 30.5 70.5
108 71.5 56.2 96.2





#63
Azobenzene
Concen: 43.049 ng
RT: 10.622 min Scan# 1433
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

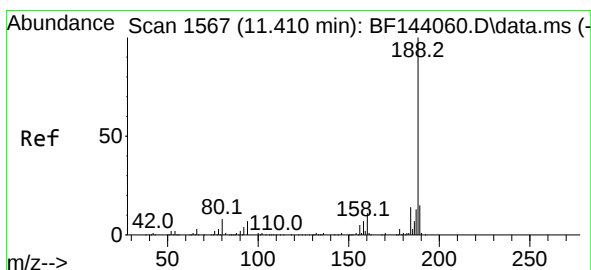
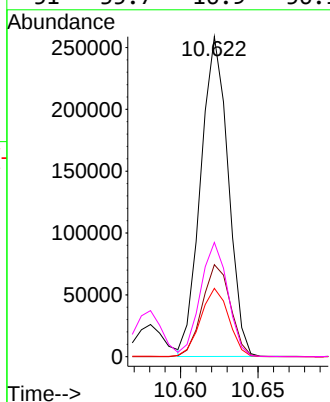
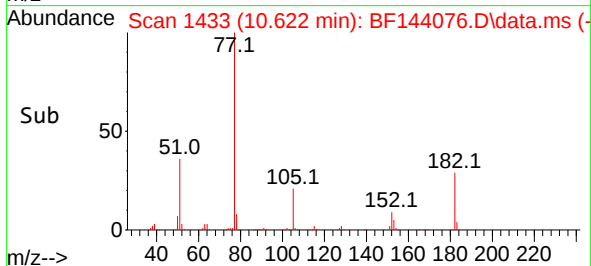
Instrument :
BNA_F
ClientSampleId :
PB170206BS



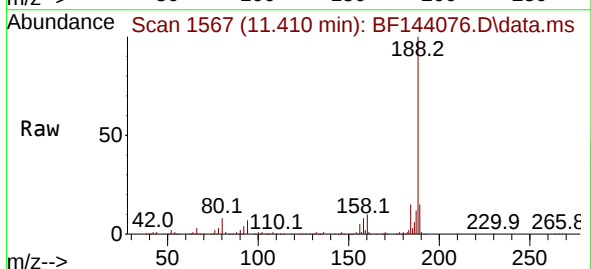
Tgt Ion: 77 Resp: 31881
Ion Ratio Lower Upper
77 100
182 28.7 9.0 49.0
105 21.3 1.4 41.4
51 35.7 16.9 56.9

Manual Integrations
APPROVED

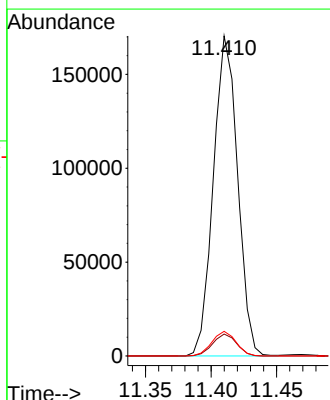
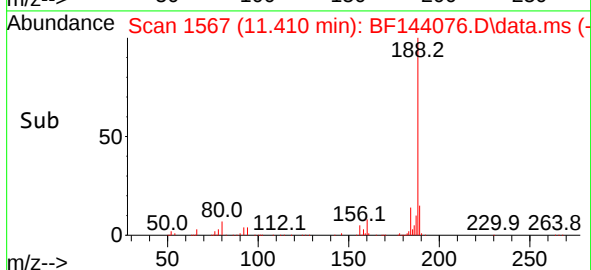
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025

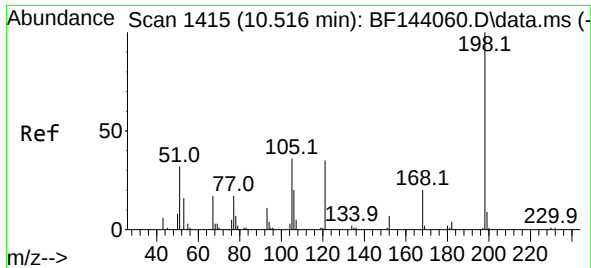


#64
Phenanthrene-d10
Concen: 20.000 ng
RT: 11.410 min Scan# 1567
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27



Tgt Ion:188 Resp: 219220
Ion Ratio Lower Upper
188 100
94 6.8 5.4 8.0
80 7.7 6.0 9.0





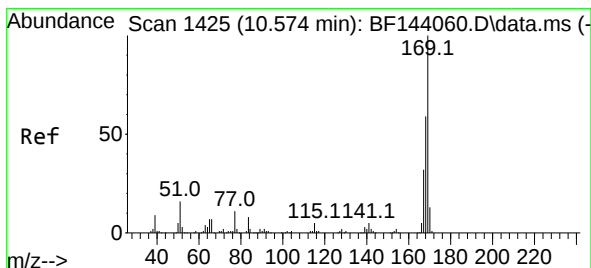
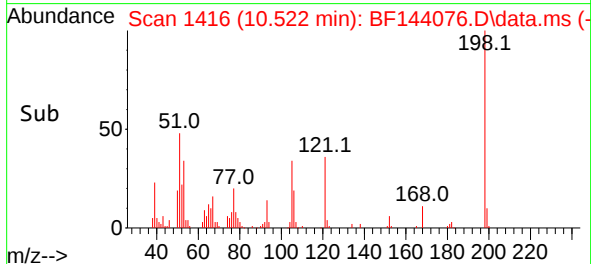
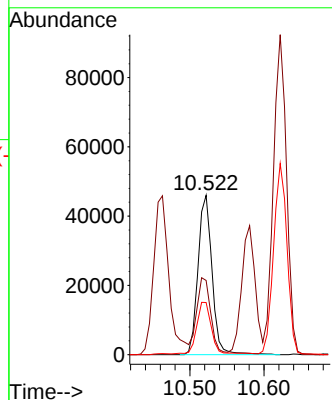
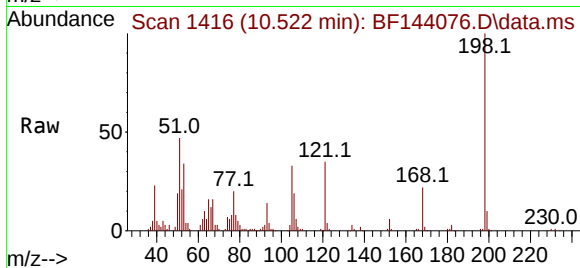
#65
4,6-Dinitro-2-methylphenol
Concen: 43.080 ng
RT: 10.522 min Scan# 1415
Delta R.T. 0.006 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

Instrument :
BNA_F
ClientSampleId :
PB170206BS

Tgt Ion:198 Resp: 60591
Ion Ratio Lower Upper
198 100
51 46.6 25.8 65.8
105 32.8 17.2 57.2

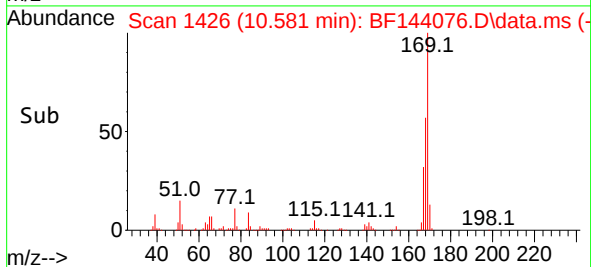
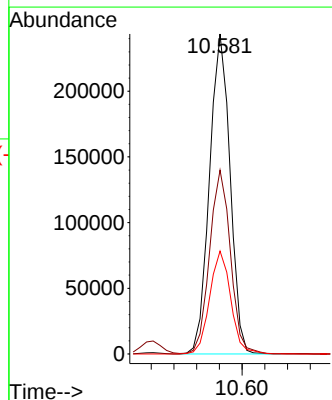
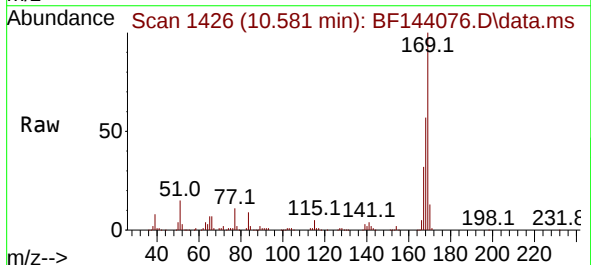
Manual Integrations
APPROVED

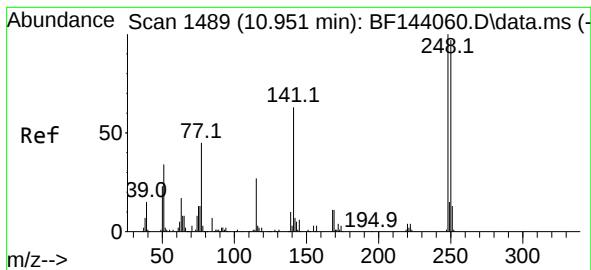
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025



#66
n-Nitrosodiphenylamine
Concen: 43.700 ng
RT: 10.581 min Scan# 1426
Delta R.T. 0.006 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

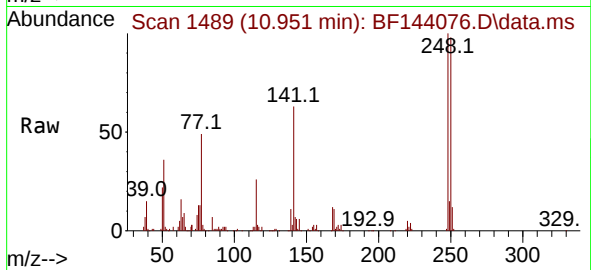
Tgt Ion:169 Resp: 306085
Ion Ratio Lower Upper
169 100
168 57.5 47.4 71.2
167 32.2 25.5 38.3





#67
4-Bromophenyl-phenylether
Concen: 43.120 ng
RT: 10.951 min Scan# 1489
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

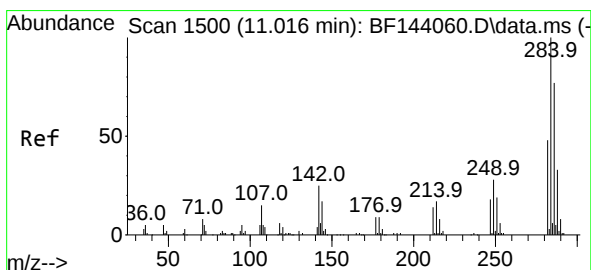
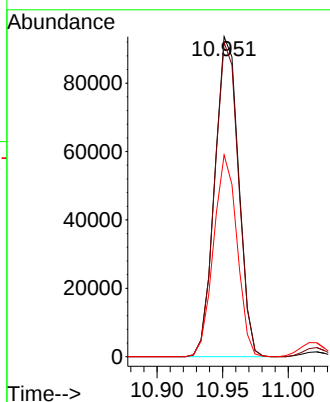
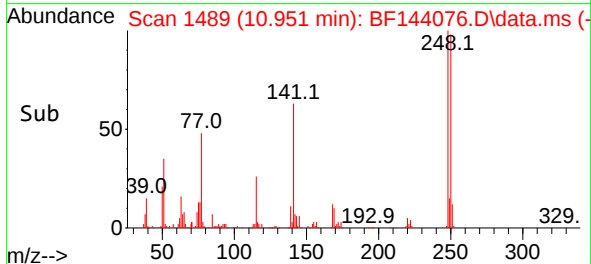
Instrument :
BNA_F
ClientSampleId :
PB170206BS



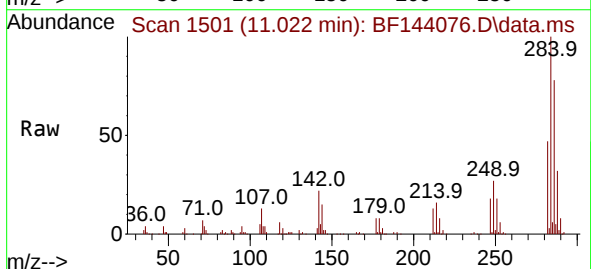
Tgt Ion:248 Resp: 11835
Ion Ratio Lower Upper
248 100
250 98.2 77.8 116.6
141 63.1 50.5 75.7

Manual Integrations
APPROVED

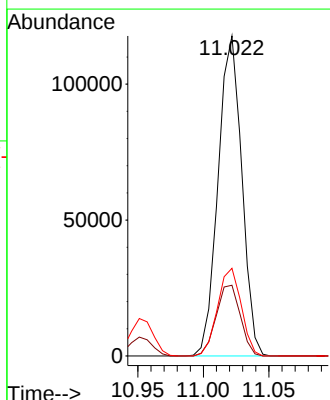
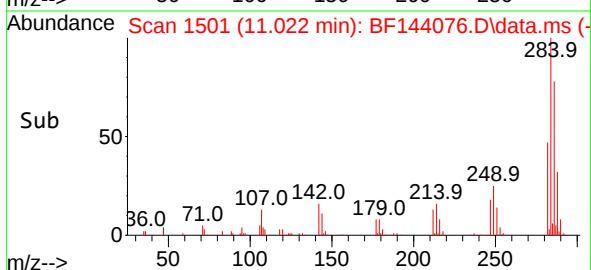
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025

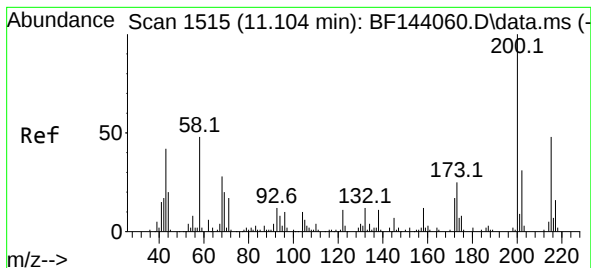


#68
Hexachlorobenzene
Concen: 43.904 ng
RT: 11.022 min Scan# 1501
Delta R.T. 0.006 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27



Tgt Ion:284 Resp: 147792
Ion Ratio Lower Upper
284 100
142 22.1 20.0 30.0
249 27.4 22.2 33.2





#69

Atrazine

Concen: 42.776 ng

RT: 11.110 min Scan# 11

Delta R.T. 0.006 min

Lab File: BF144076.D

Acq: 27 Oct 2025 11:27

Instrument :

BNA_F

ClientSampleId :

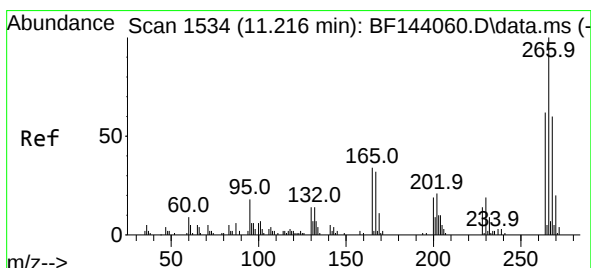
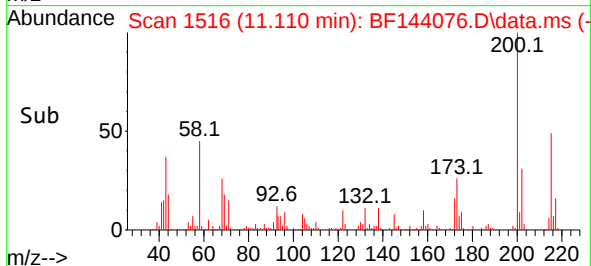
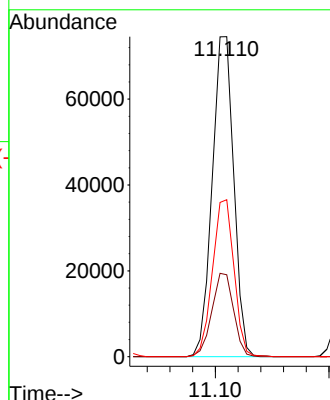
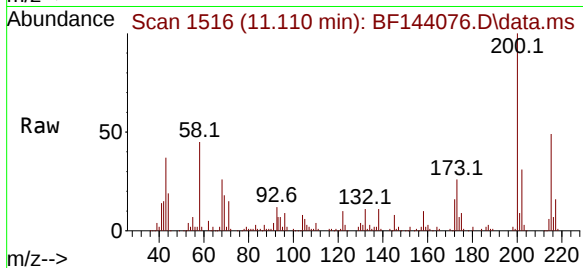
PB170206BS

Tgt Ion:200 Resp: 98315
 Ion Ratio Lower Upper
 200 100
 173 25.6 4.9 44.9
 215 49.0 28.2 68.2

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/28/2025
 Supervised By :mohammad ahmed 10/30/2025



#70

Pentachlorophenol

Concen: 89.799 ng

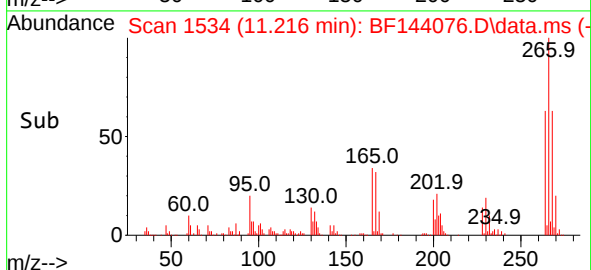
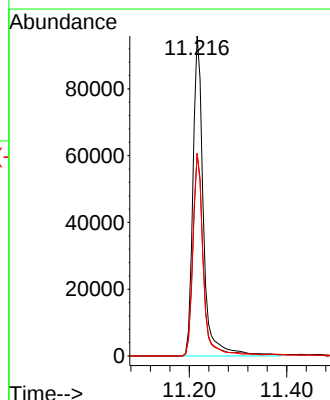
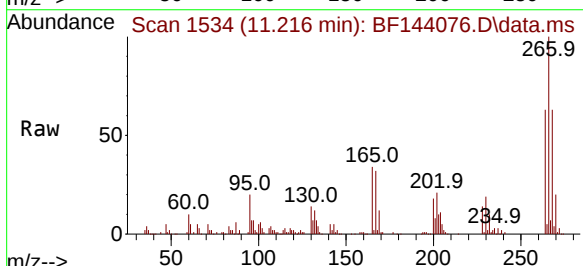
RT: 11.216 min Scan# 1534

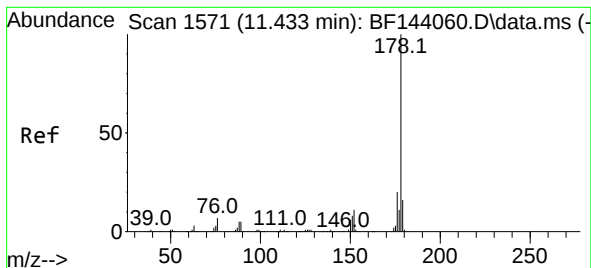
Delta R.T. 0.000 min

Lab File: BF144076.D

Acq: 27 Oct 2025 11:27

Tgt Ion:266 Resp: 143887
 Ion Ratio Lower Upper
 266 100
 268 63.3 48.2 72.4
 264 63.3 49.4 74.0





#71

Phenanthrene

Concen: 41.974 ng

RT: 11.439 min Scan# 1571

Delta R.T. 0.006 min

Lab File: BF144076.D

Acq: 27 Oct 2025 11:27

Instrument :

BNA_F

ClientSampleId :

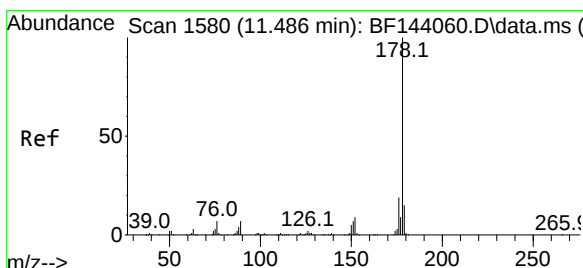
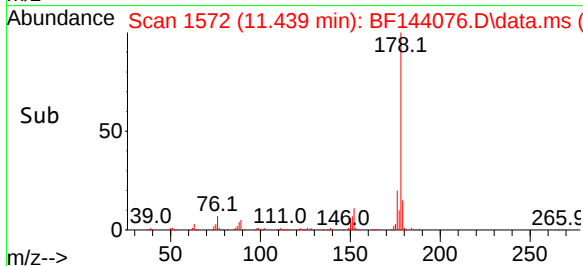
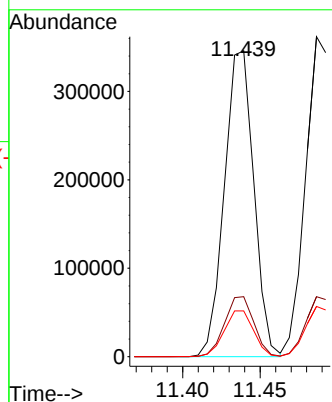
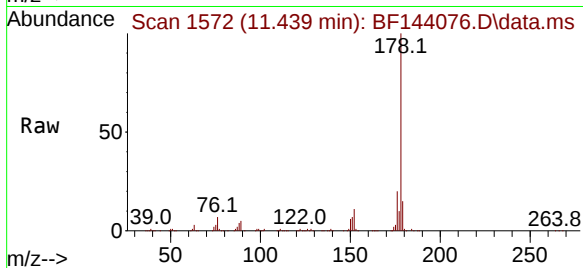
PB170206BS

Tgt Ion:178 Resp: 457094
 Ion Ratio Lower Upper
 178 100
 176 19.6 16.3 24.5
 179 15.0 12.6 18.8

Manual Integrations

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Reviewed By :Rahul Chavli 10/28/2025
 Supervised By :mohammad ahmed 10/30/2025



#72

Anthracene

Concen: 41.592 ng

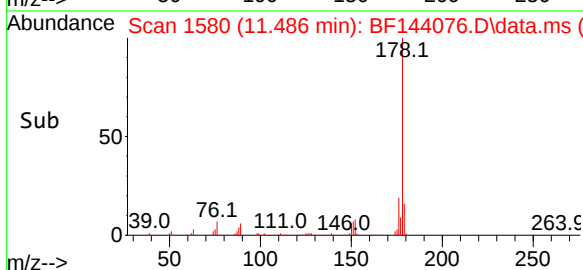
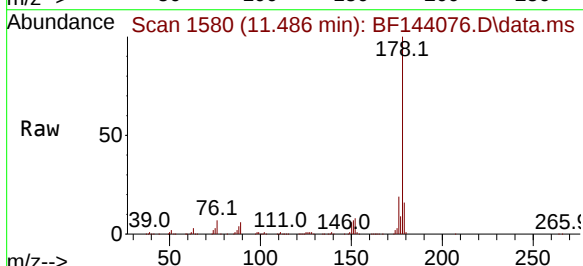
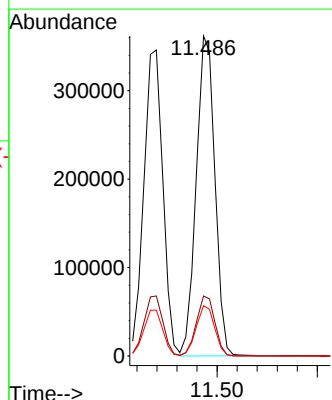
RT: 11.486 min Scan# 1580

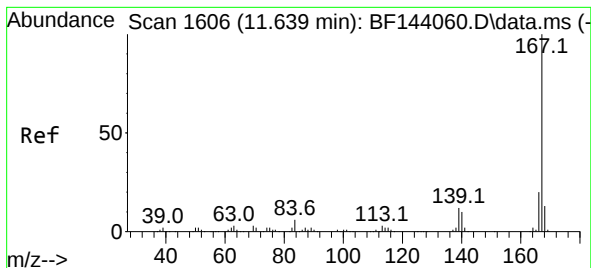
Delta R.T. 0.000 min

Lab File: BF144076.D

Acq: 27 Oct 2025 11:27

Tgt Ion:178 Resp: 467889
 Ion Ratio Lower Upper
 178 100
 176 18.7 15.0 22.4
 179 15.7 11.8 17.6





#73

Carbazole

Concen: 40.617 ng

RT: 11.645 min Scan# 1607

Delta R.T. 0.006 min

Lab File: BF144076.D

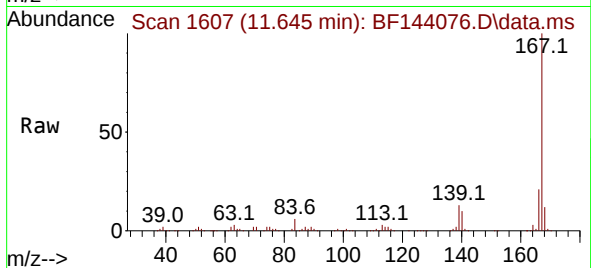
Acq: 27 Oct 2025 11:27

Instrument :

BNA_F

ClientSampleId :

PB170206BS



Tgt Ion:167 Resp: 38891

Ion Ratio Lower Upper

167 100

166 20.8 16.1 24.1

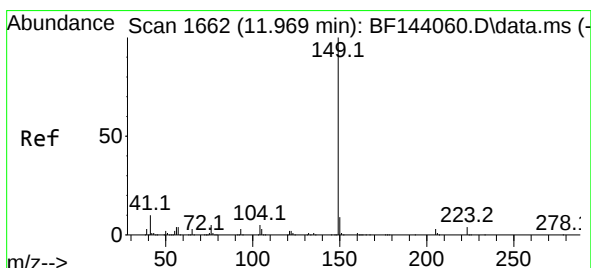
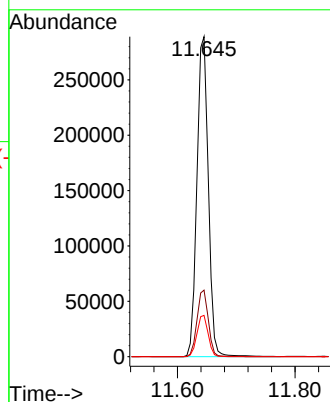
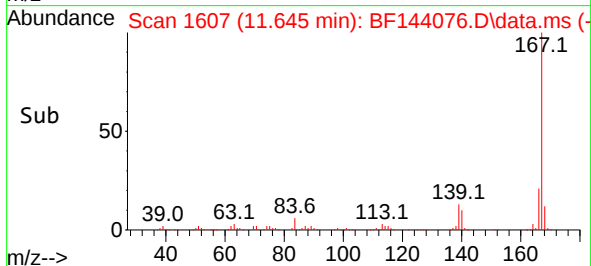
139 12.9 9.8 14.6

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/28/2025

Supervised By :mohammad ahmed 10/30/2025



#74

Di-n-butylphthalate

Concen: 40.095 ng

RT: 11.969 min Scan# 1662

Delta R.T. 0.000 min

Lab File: BF144076.D

Acq: 27 Oct 2025 11:27

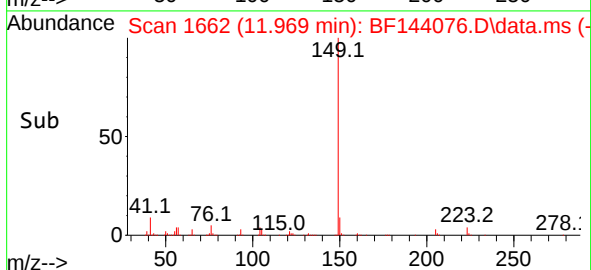
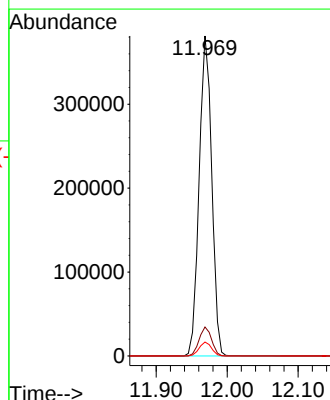
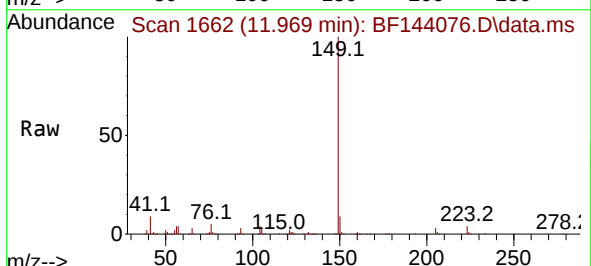
Tgt Ion:149 Resp: 470696

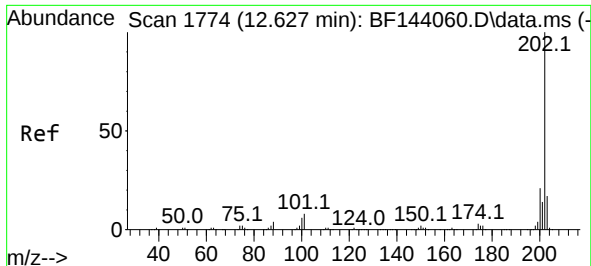
Ion Ratio Lower Upper

149 100

150 9.0 7.3 10.9

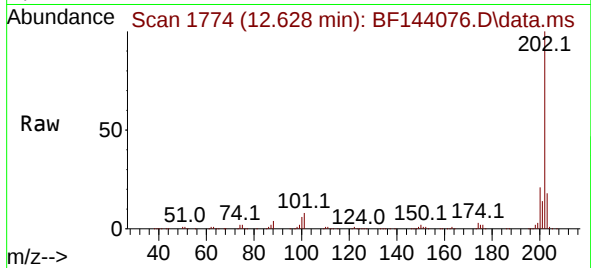
104 4.4 3.6 5.4





#75
Fluoranthene
Concen: 37.294 ng
RT: 12.628 min Scan# 11
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

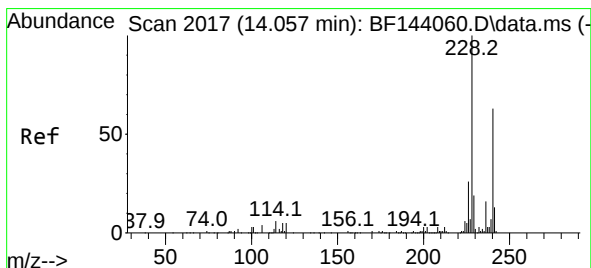
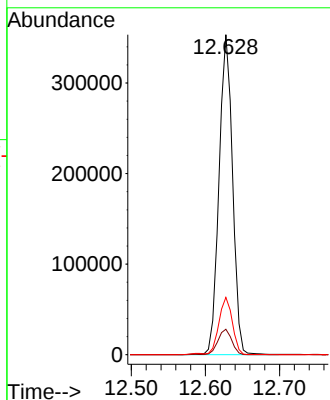
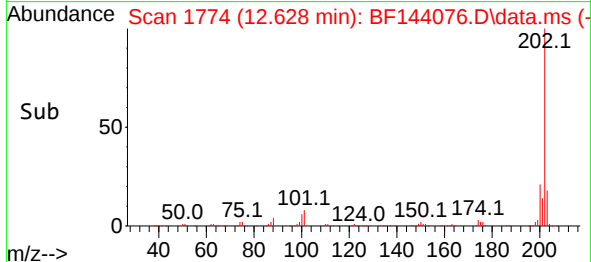
Instrument :
BNA_F
ClientSampleId :
PB170206BS



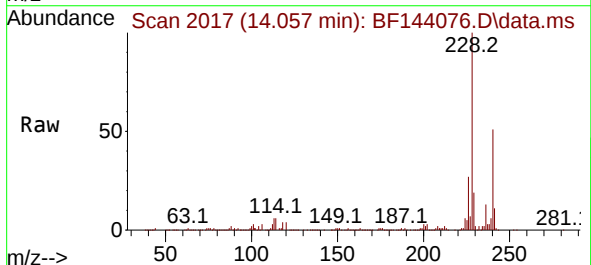
Tgt Ion:202 Resp: 448694
Ion Ratio Lower Upper
202 100
101 8.0 0.0 27.7
203 17.9 0.0 37.3

Manual Integrations
APPROVED

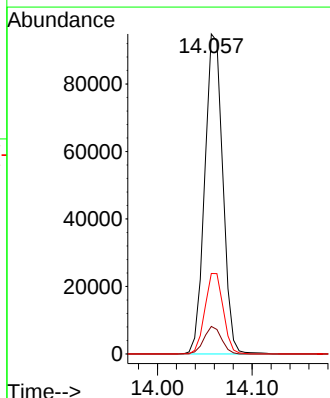
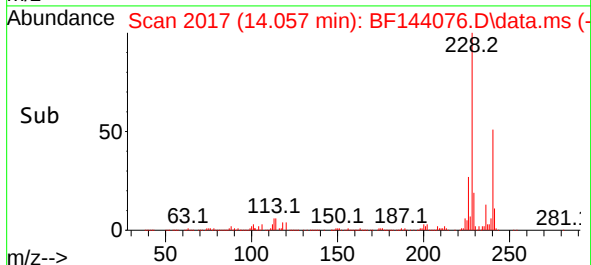
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025

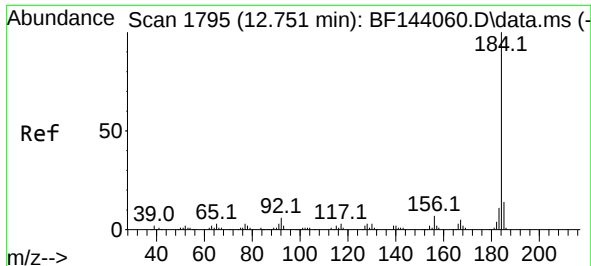


#76
Chrysene-d12
Concen: 20.000 ng
RT: 14.057 min Scan# 2017
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27



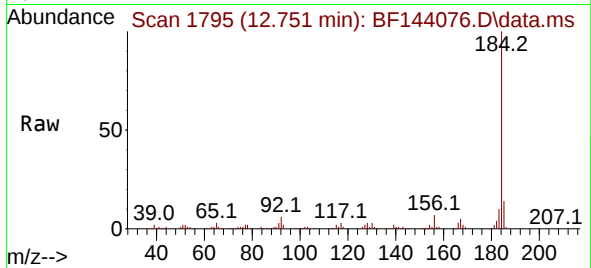
Tgt Ion:240 Resp: 125508
Ion Ratio Lower Upper
240 100
120 8.6 6.5 9.7
236 25.2 20.1 30.1





#77
Benzidine
Concen: 32.007 ng
RT: 12.751 min Scan# 1795
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

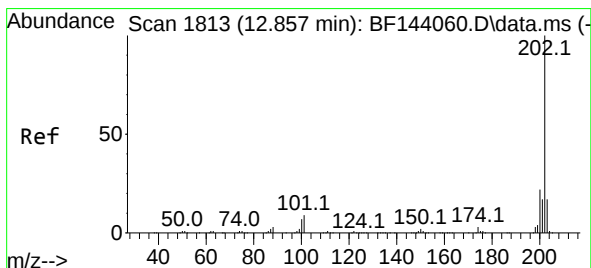
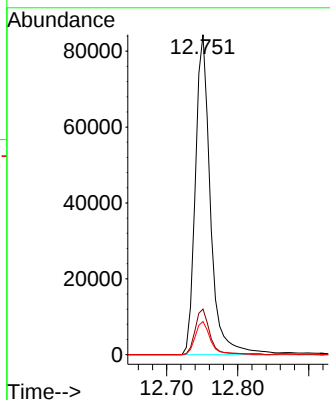
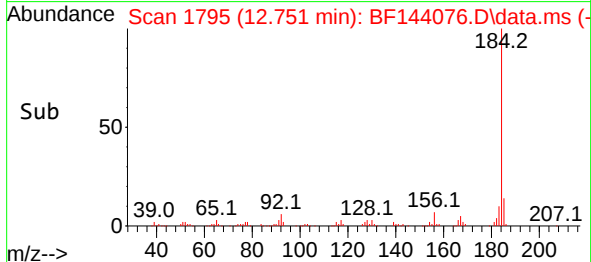
Instrument :
BNA_F
ClientSampleId :
PB170206BS



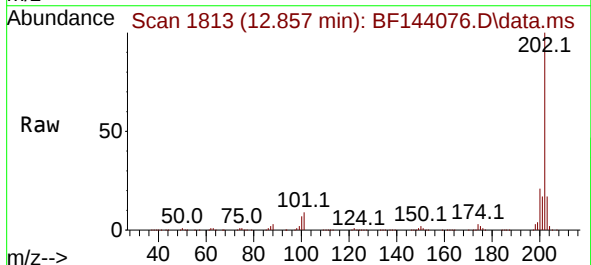
Tgt Ion:184 Resp: 12502
Ion Ratio Lower Upper
184 100
185 14.2 11.6 17.4
183 10.3 8.5 12.7

Manual Integrations
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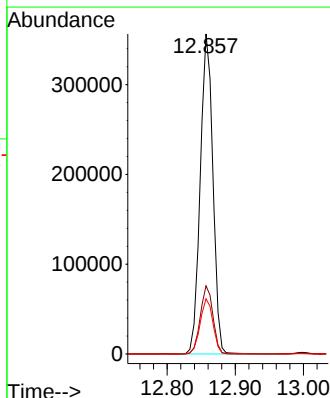
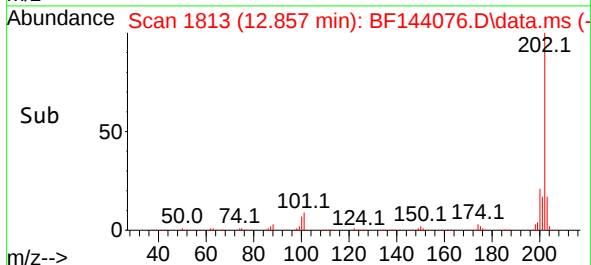
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025

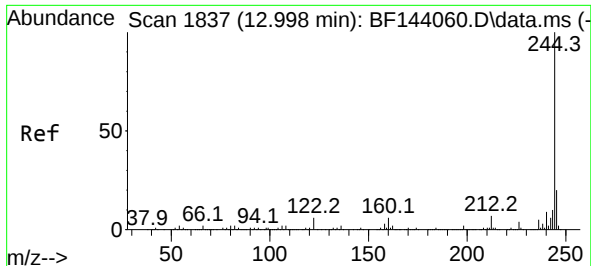


#78
Pyrene
Concen: 50.955 ng
RT: 12.857 min Scan# 1813
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27



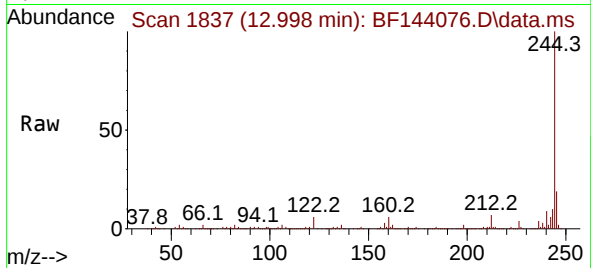
Tgt Ion:202 Resp: 459771
Ion Ratio Lower Upper
202 100
200 21.3 17.2 25.8
203 17.3 13.5 20.3





#79
 Terphenyl-d14
 Concen: 95.737 ng
 RT: 12.998 min Scan# 1837
 Delta R.T. 0.000 min
 Lab File: BF144076.D
 Acq: 27 Oct 2025 11:27

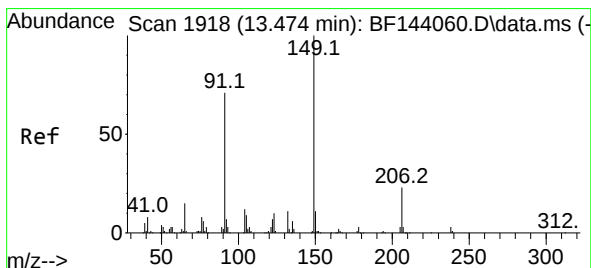
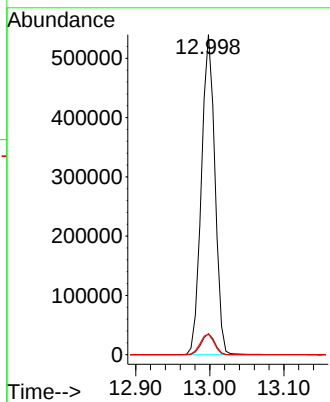
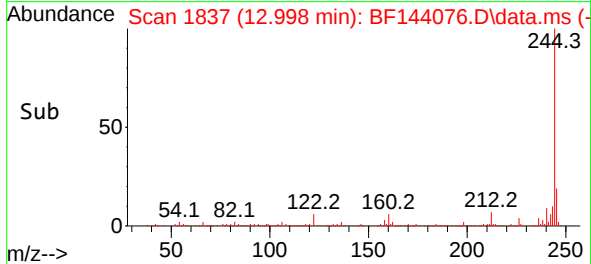
Instrument :
 BNA_F
 ClientSampleId :
 PB170206BS



Tgt Ion:244 Resp: 68731
 Ion Ratio Lower Upper
 244 100
 212 6.5 5.8 8.6
 122 6.4 4.9 7.3

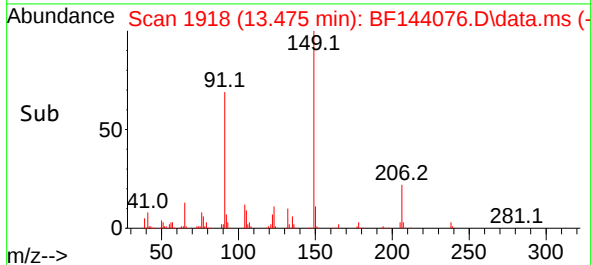
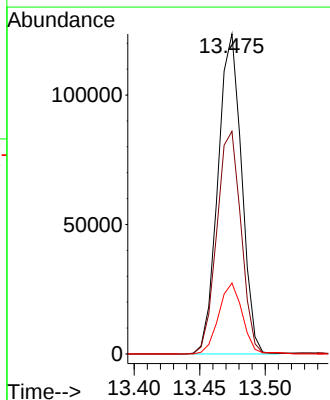
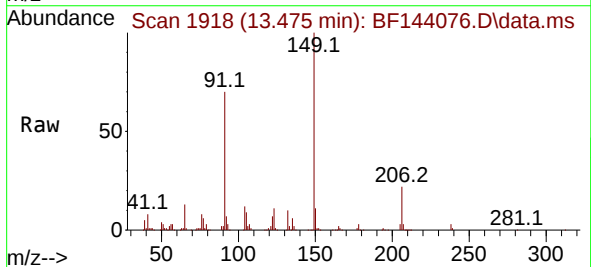
Manual Integrations
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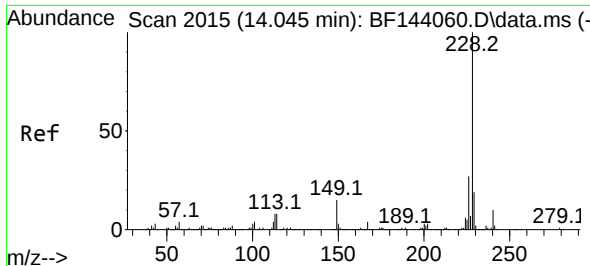
Reviewed By :Rahul Chavli 10/28/2025
 Supervised By :mohammad ahmed 10/30/2025



#80
 Butylbenzylphthalate
 Concen: 45.384 ng
 RT: 13.475 min Scan# 1918
 Delta R.T. 0.000 min
 Lab File: BF144076.D
 Acq: 27 Oct 2025 11:27

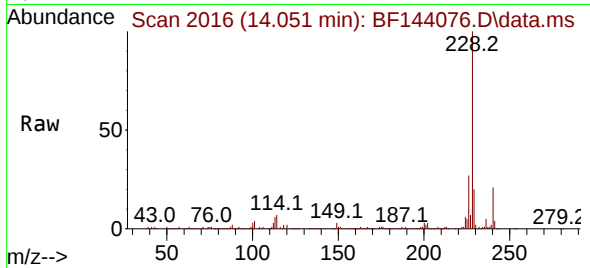
Tgt Ion:149 Resp: 154922
 Ion Ratio Lower Upper
 149 100
 91 69.6 56.6 84.8
 206 22.1 18.3 27.5





#81
Benzo(a)anthracene
Concen: 46.101 ng
RT: 14.051 min Scan# 2015
Delta R.T. 0.006 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

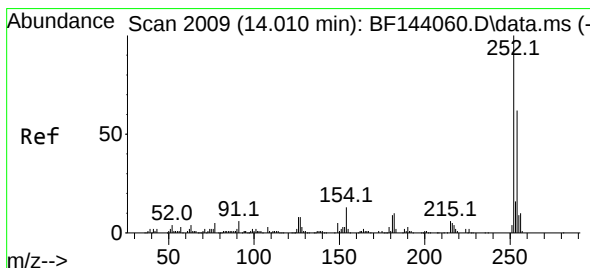
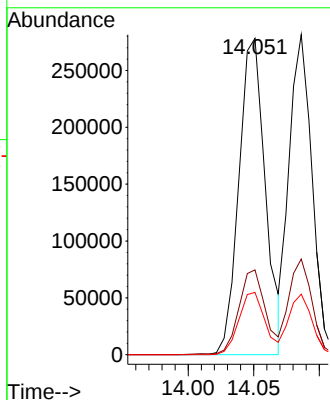
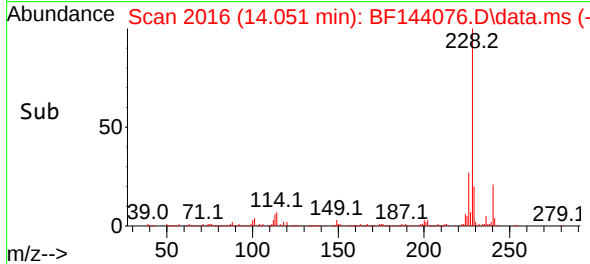
Instrument :
BNA_F
ClientSampleId :
PB170206BS



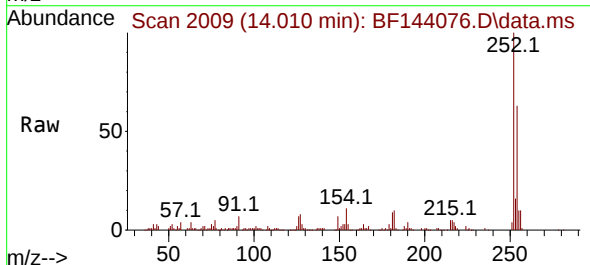
Tgt Ion:228 Resp: 391028
Ion Ratio Lower Upper
228 100
226 26.8 21.4 32.2
229 19.7 15.3 22.9

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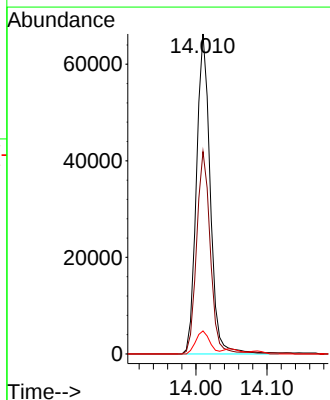
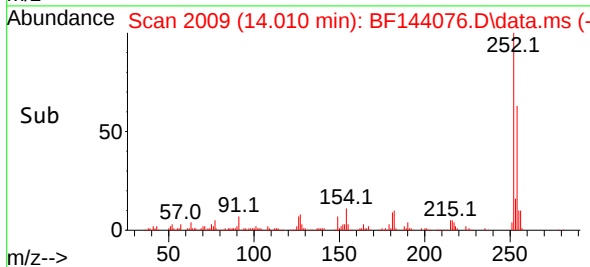
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025

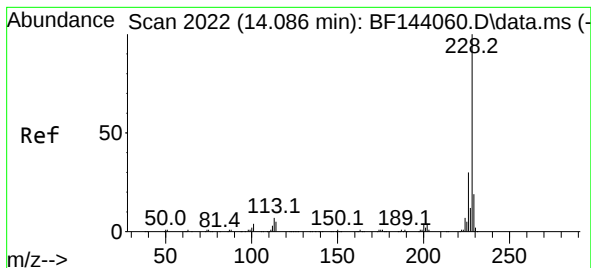


#82
3,3'-Dichlorobenzidine
Concen: 30.369 ng
RT: 14.010 min Scan# 2009
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27



Tgt Ion:252 Resp: 89667
Ion Ratio Lower Upper
252 100
254 63.3 49.9 74.9
126 7.2 6.5 9.7





#83

Chrysene

Concen: 43.126 ng

RT: 14.086 min Scan# 2022

Delta R.T. 0.000 min

Lab File: BF144076.D

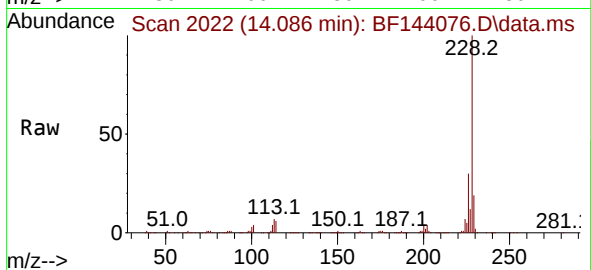
Acq: 27 Oct 2025 11:27

Instrument :

BNA_F

ClientSampleId :

PB170206BS



Tgt Ion:228 Resp: 343250

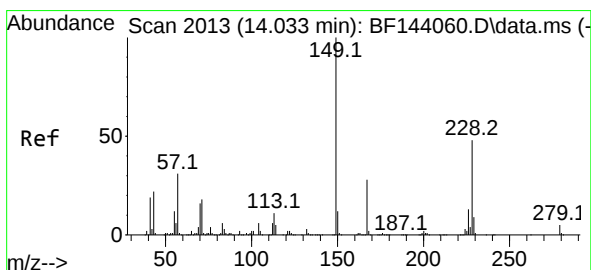
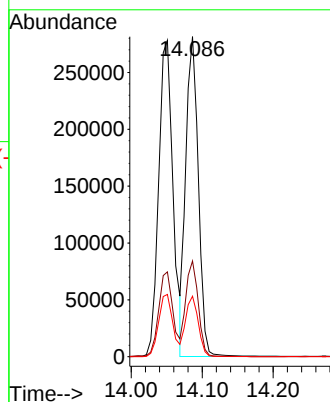
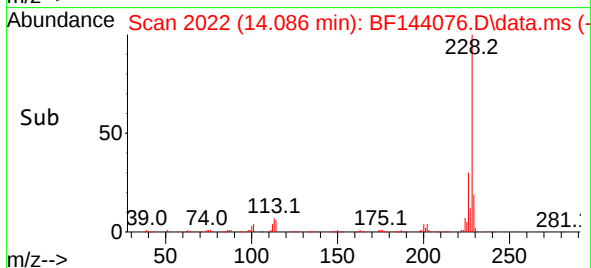
Ion	Ratio	Lower	Upper
228	100		
226	29.9	23.8	35.6
229	18.9	15.6	23.4

Manual Integrations

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Reviewed By :Rahul Chavli 10/28/2025

Supervised By :mohammad ahmed 10/30/2025



#84

Bis(2-ethylhexyl)phthalate

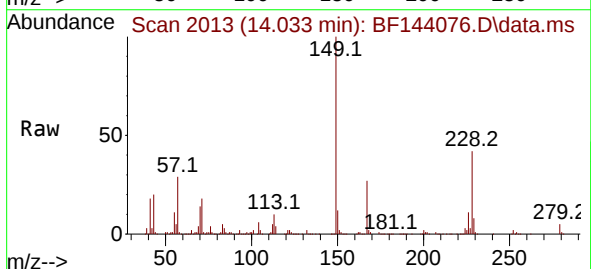
Concen: 42.325 ng

RT: 14.033 min Scan# 2013

Delta R.T. 0.000 min

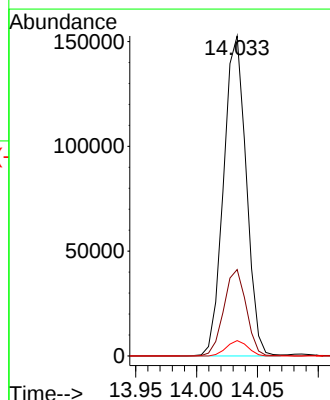
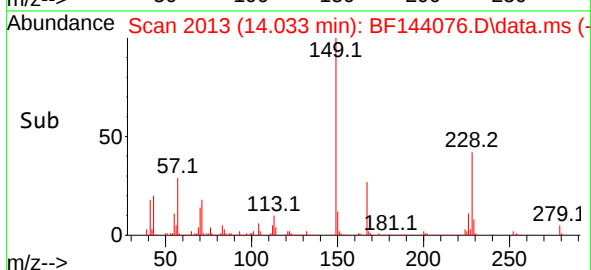
Lab File: BF144076.D

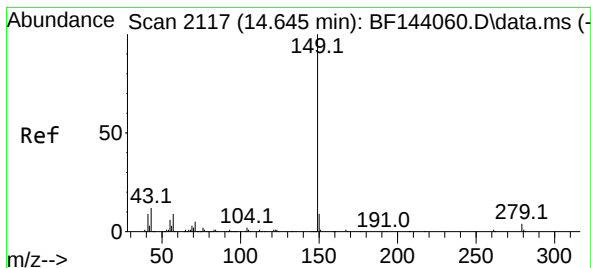
Acq: 27 Oct 2025 11:27



Tgt Ion:149 Resp: 197242

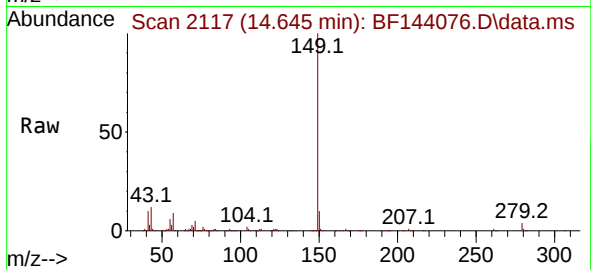
Ion	Ratio	Lower	Upper
149	100		
167	27.0	22.5	33.7
279	4.8	3.6	5.4





#85
Di-n-octyl phthalate
Concen: 43.204 ng
RT: 14.645 min Scan# 2117
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

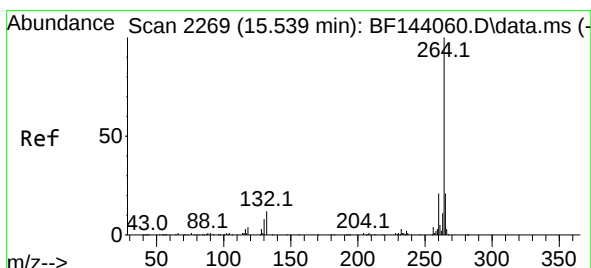
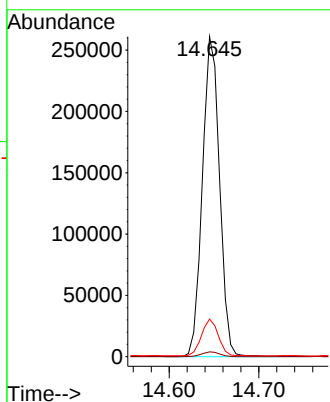
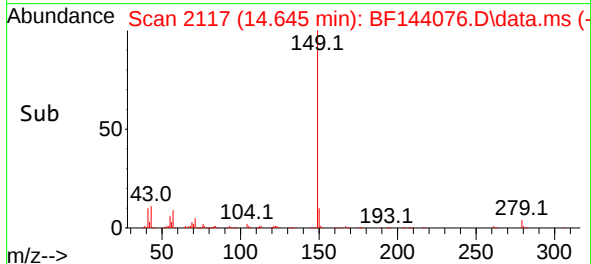
Instrument :
BNA_F
ClientSampleId :
PB170206BS



Tgt Ion:149 Resp: 346250
Ion Ratio Lower Upper
149 100
167 1.6 1.2 1.8
43 11.2 9.3 13.9

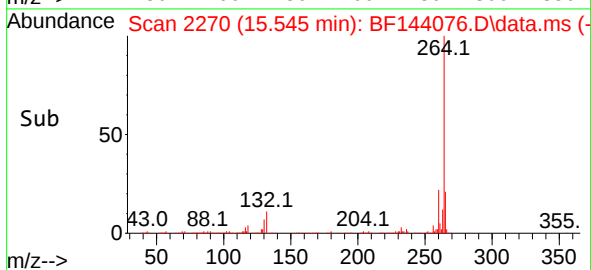
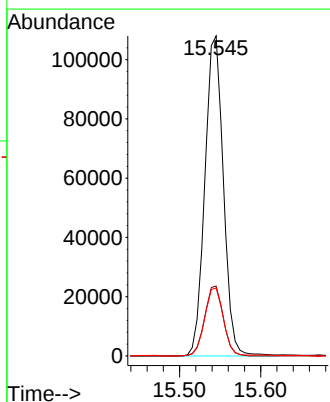
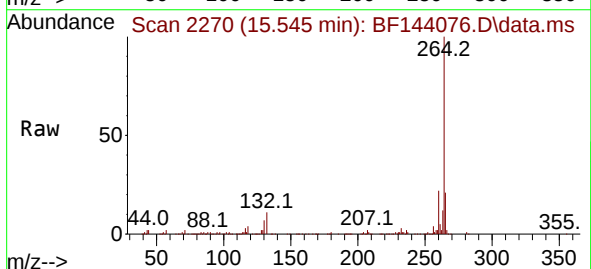
Manual Integrations
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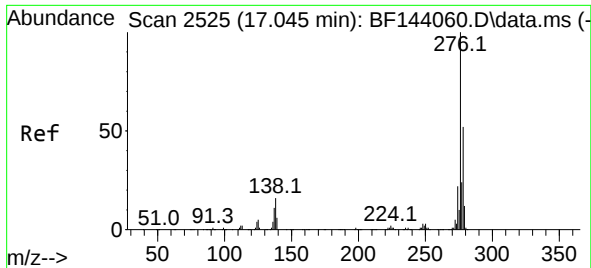
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025



#86
Perylene-d12
Concen: 20.000 ng
RT: 15.545 min Scan# 2270
Delta R.T. 0.006 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

Tgt Ion:264 Resp: 170803
Ion Ratio Lower Upper
264 100
260 21.8 17.0 25.4
265 21.2 16.6 24.8





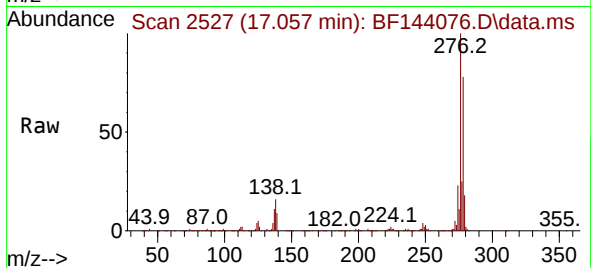
#87
Indeno(1,2,3-cd)pyrene
Concen: 45.859 ng
RT: 17.057 min Scan# 2196
Delta R.T. 0.012 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

Instrument :

BNA_F

ClientSampleId :

PB170206BS

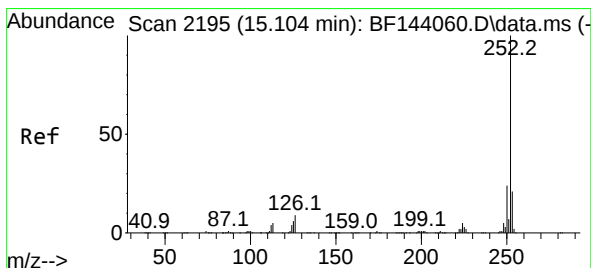
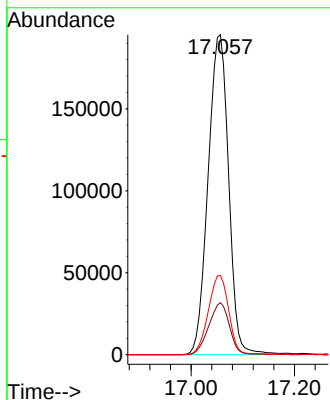
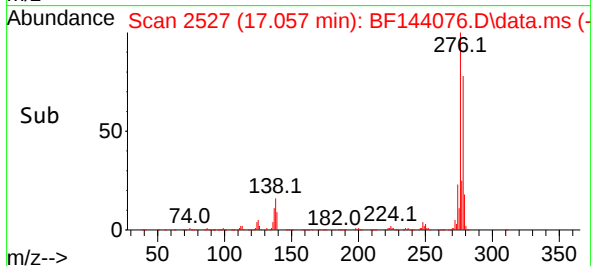


Tgt Ion:276 Resp: 537768
Ion Ratio Lower Upper
276 100
138 16.3 13.0 19.6
277 24.7 19.4 29.0

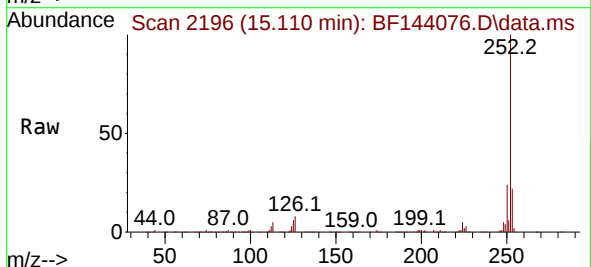
Manual Integrations

APPROVED

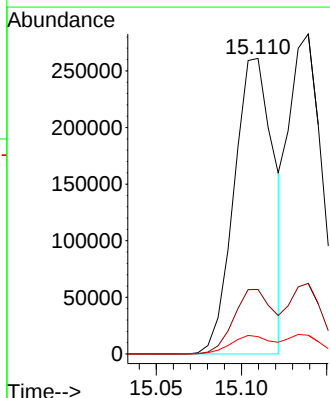
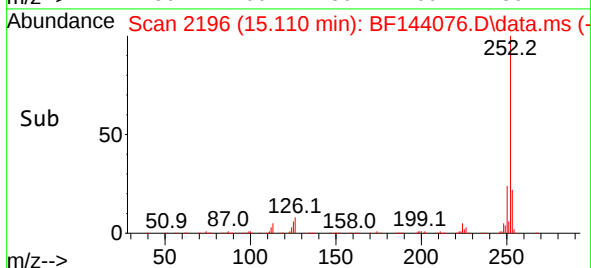
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025

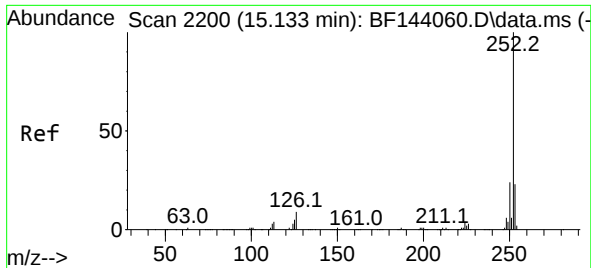


#88
Benzo(b)fluoranthene
Concen: 43.695 ng
RT: 15.110 min Scan# 2196
Delta R.T. 0.006 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27



Tgt Ion:252 Resp: 421925
Ion Ratio Lower Upper
252 100
253 21.8 17.2 25.8
125 5.9 5.0 7.6





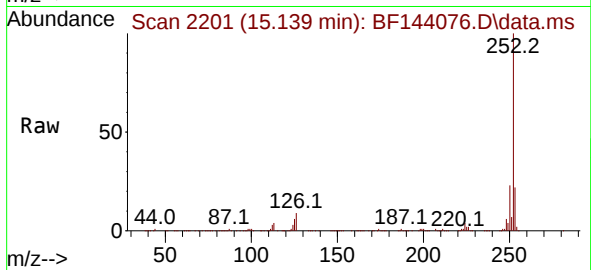
#89
Benzo(k)fluoranthene
Concen: 43.491 ng
RT: 15.139 min Scan# 21
Delta R.T. 0.006 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

Instrument :

BNA_F

ClientSampleId :

PB170206BS

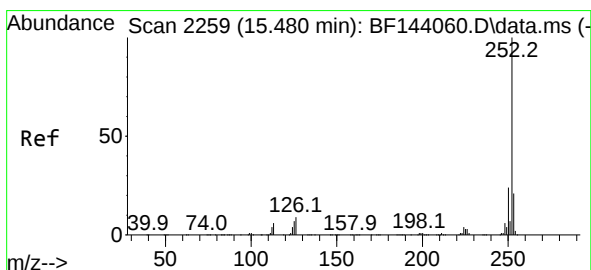
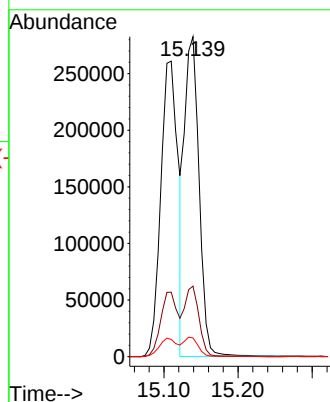
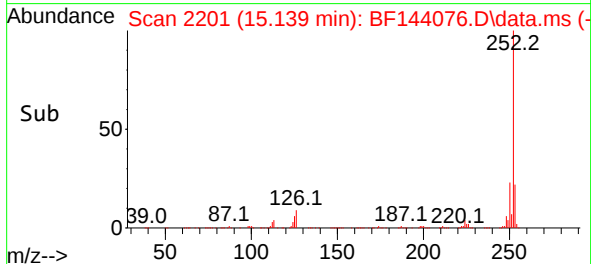


Tgt Ion:252 Resp: 387464
Ion Ratio Lower Upper
252 100
253 22.1 17.4 26.2
125 5.8 4.9 7.3

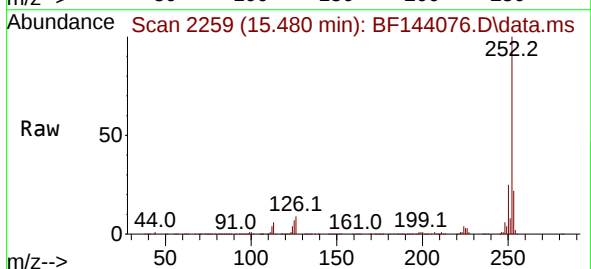
Manual Integrations

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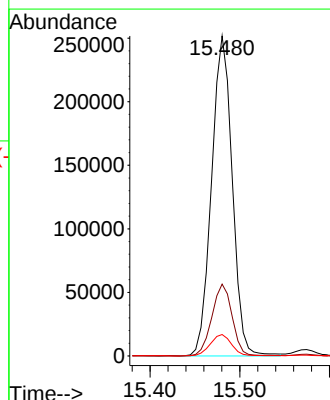
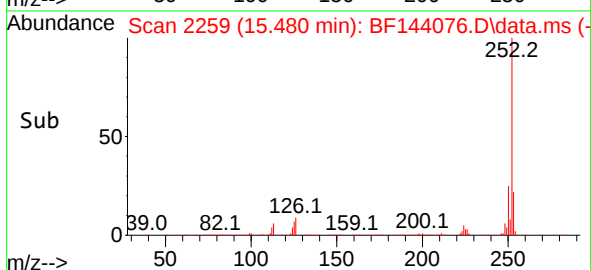
Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025

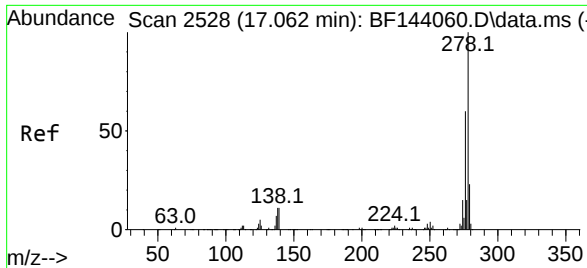


#90
Benzo(a)pyrene
Concen: 46.574 ng
RT: 15.480 min Scan# 2259
Delta R.T. 0.000 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27



Tgt Ion:252 Resp: 403459
Ion Ratio Lower Upper
252 100
253 22.4 17.1 25.7
125 6.7 5.4 8.2





#91
Dibenzo(a,h)anthracene
Concen: 46.423 ng
RT: 17.068 min Scan# 210
Delta R.T. 0.006 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

Instrument :

BNA_F

ClientSampleId :

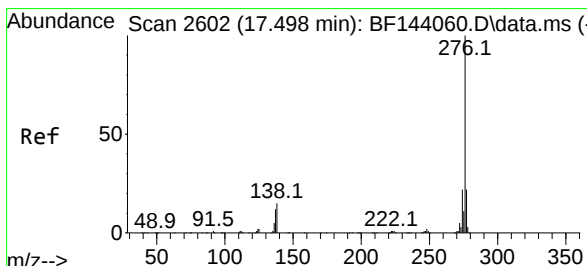
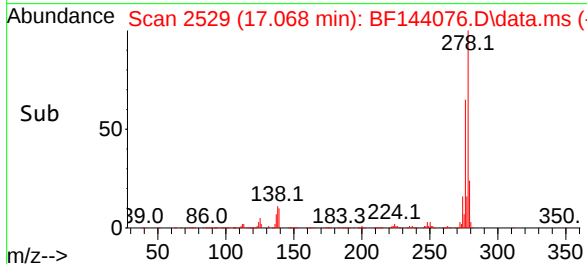
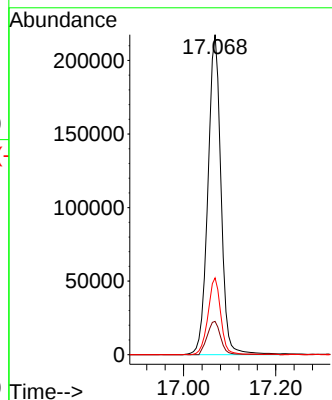
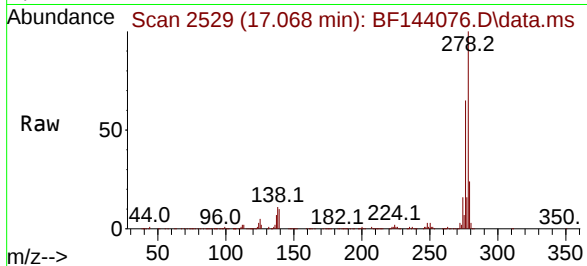
PB170206BS

Tgt Ion:278 Resp: 430920
Ion Ratio Lower Upper
278 100
139 10.4 8.5 12.7
279 24.0 18.6 28.0

Manual Integrations

APPROVED

Reviewed By :Rahul Chavli 10/28/2025
Supervised By :mohammad ahmed 10/30/2025



#92
Benzo(g,h,i)perylene
Concen: 48.190 ng
RT: 17.510 min Scan# 2604
Delta R.T. 0.012 min
Lab File: BF144076.D
Acq: 27 Oct 2025 11:27

Tgt Ion:276 Resp: 449738
Ion Ratio Lower Upper
276 100
277 24.1 17.9 26.9
138 14.6 12.0 18.0

